

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004216.D
 Acq On : 23 Aug 2018 10:35
 Operator : JC/MD
 Sample : VX0823WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:35:00 AM

Quant Time: Aug 24 05:31:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	371818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	526911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	497409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290289	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	228193	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.18%		
35) Dibromofluoromethane	5.49	113	196933	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.48%		
50) Toluene-d8	8.71	98	747124	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.98%		
62) 4-Bromofluorobenzene	11.14	95	267603	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	91041	21.14	ug/l	98
3) Chloromethane	1.32	50	90199	19.13	ug/l	99
4) Vinyl Chloride	1.40	62	96008	19.71	ug/l	97
5) Bromomethane	1.64	94	53082	20.93	ug/l	98
6) Chloroethane	1.72	64	66188	18.41	ug/l	97
7) Trichlorofluoromethane	1.93	101	131743	19.73	ug/l	95
8) Diethyl Ether	2.18	74	55951	19.57	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81932	19.59	ug/l	98
10) Methyl Iodide	2.51	142	66847	17.22	ug/l	98
11) Tert butyl alcohol	3.06	59	96499	93.41	ug/l	100
12) 1,1-Dichloroethene	2.37	96	75555	19.18	ug/l	97
13) Acrolein	2.29	56	21875	87.83	ug/l	96
14) Allyl chloride	2.73	41	136376	18.84	ug/l	99
15) Acrylonitrile	3.14	53	224748	87.85	ug/l	100
16) Acetone	2.44	43	192582	92.25	ug/l	99
17) Carbon Disulfide	2.57	76	206709	19.39	ug/l	99
18) Methyl Acetate	2.78	43	134018	18.64	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	254154	19.58	ug/l	99
20) Methylene Chloride	2.86	84	86029	18.44	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	82445	18.91	ug/l	98
22) Diisopropyl ether	3.87	45	249083	18.43	ug/l	95
23) Vinyl Acetate	3.82	43	1018199	92.97	ug/l	99
24) 1,1-Dichloroethane	3.70	63	150136	19.07	ug/l	99
25) 2-Butanone	4.70	43	293099	88.42	ug/l	99
26) 2,2-Dichloropropane	4.58	77	119219	19.30	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	94599	19.13	ug/l	98
28) Bromochloromethane	5.01	49	71143	20.41	ug/l	98
29) Tetrahydrofuran	5.15	42	184194	88.46	ug/l	98
30) Chloroform	5.21	83	148975	18.87	ug/l	97
31) Cyclohexane	5.57	56	133453	19.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	126568	19.22	ug/l	99
36) 1,1-Dichloropropene	5.79	75	114270	19.29	ug/l	98
37) Ethyl Acetate	4.85	43	109558	18.81	ug/l	100
38) Carbon Tetrachloride	5.78	117	109446	19.64	ug/l	94

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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MMDadoda
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Quant Time: Aug 24 05:31:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	135494	20.03	ug/l	98
40) Benzene	6.14	78	343589	19.41	ug/l	99
41) Methacrylonitrile	5.06	41	62214	18.42	ug/l	98
42) 1,2-Dichloroethane	6.20	62	116056	19.22	ug/l	100
43) Isopropyl Acetate	6.46	43	169122	18.89	ug/l	99
44) Trichloroethene	7.21	130	94102	19.21	ug/l	98
45) 1,2-Dichloropropane	7.51	63	86498	19.53	ug/l	99
46) Dibromomethane	7.66	93	55121	18.69	ug/l	97
47) Bromodichloromethane	7.90	83	106410	19.39	ug/l	99
48) Methyl methacrylate	7.78	41	89781	18.74	ug/l	99
49) 1,4-Dioxane	7.75	88	41649	382.96	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	570989	87.79	ug/l	99
52) Toluene	8.78	92	221930	20.03	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	119137	19.65	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	131091	19.85	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	87181	19.49	ug/l	99
56) Ethyl methacrylate	9.18	69	119974	19.70	ug/l	99
57) 1,3-Dichloropropane	9.37	76	146787	19.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	328282	105.23	ug/l	100
59) 2-Hexanone	9.49	43	435987	87.86	ug/l	100
60) Dibromochloromethane	9.59	129	83727	19.21	ug/l	100
61) 1,2-Dibromoethane	9.67	107	90944	19.65	ug/l	98
64) Tetrachloroethene	9.34	164	91026	18.52	ug/l	99
65) Chlorobenzene	10.14	112	244793	19.61	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	81019	18.82	ug/l	99
67) Ethyl Benzene	10.25	91	388727	19.17	ug/l	97
68) m/p-Xylenes	10.36	106	313011	39.48	ug/l	99
69) o-Xylene	10.70	106	141523	18.87	ug/l	96
70) Styrene	10.71	104	240850	19.84	ug/l	99
71) Bromoform	10.86	173	59688	17.20	ug/l #	97
73) Isopropylbenzene	11.02	105	406720	21.33	ug/l	100
74) N-amyl acetate	10.90	43	142044	19.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	121250	18.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	115585m	19.58	ug/l	
77) Bromobenzene	11.26	156	102331	19.13	ug/l	97
78) n-propylbenzene	11.36	91	446174	20.35	ug/l	99
79) 2-Chlorotoluene	11.42	91	262196	19.43	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	316662	20.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	34254	18.82	ug/l	97
82) 4-Chlorotoluene	11.51	91	300803	18.94	ug/l	99
83) tert-Butylbenzene	11.77	119	318190	20.03	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	347045	21.41	ug/l	97
85) sec-Butylbenzene	11.95	105	401814	21.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	350764	20.75	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	194061	19.27	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	209614	19.74	ug/l	98
89) n-Butylbenzene	12.39	91	313829	22.83	ug/l	100
90) Hexachloroethane	12.60	117	50419	21.34	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	206031	22.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23934	20.37	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

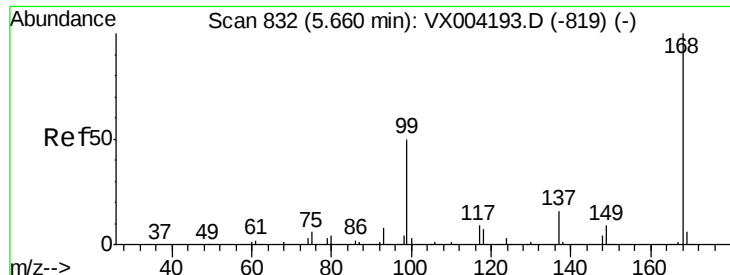
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131697	19.67	ug/l	97
94) Hexachlorobutadiene	13.79	225	62198	19.88	ug/l	94
95) Naphthalene	13.83	128	393078	20.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	140867	19.87	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



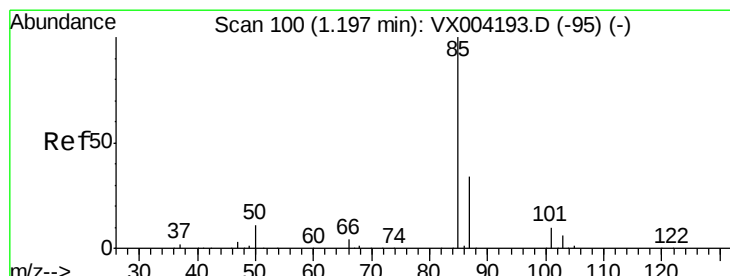
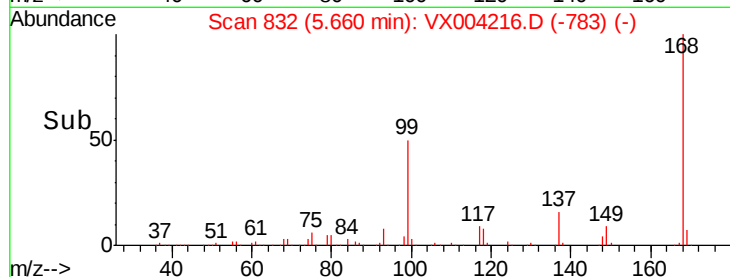
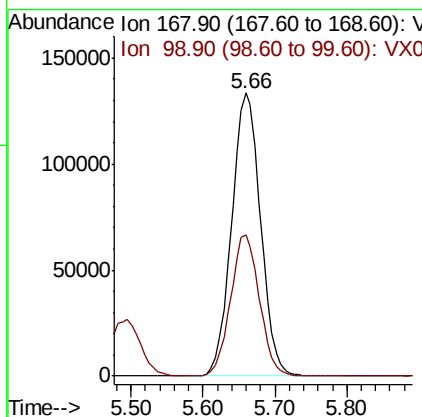
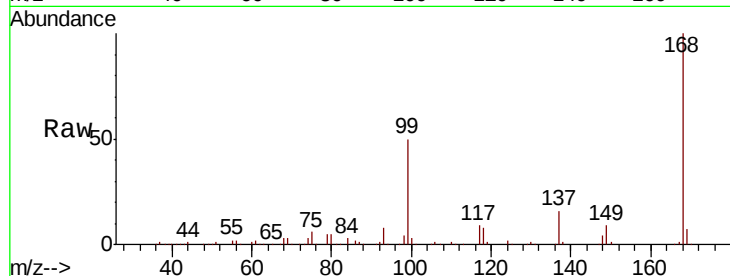
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.7	39.9	59.9

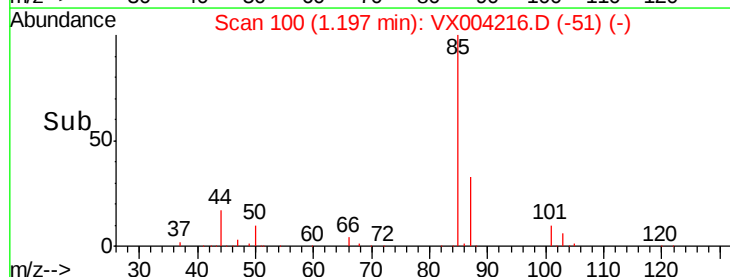
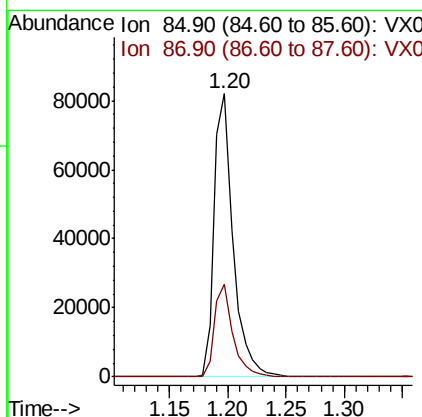
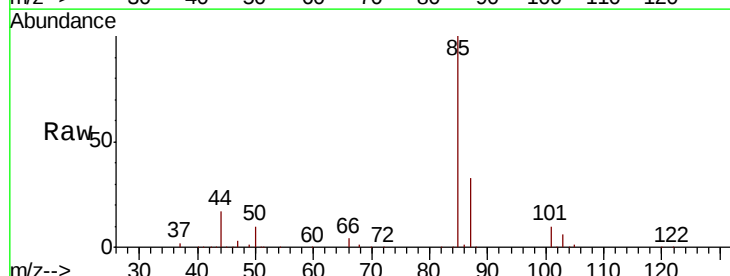
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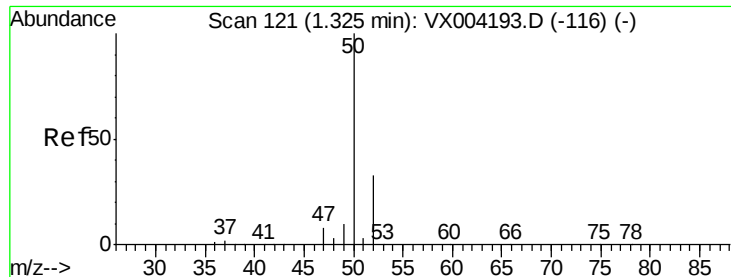
MMDadoda
8/24/2018 11:35:00 AM



#2
Dichlorodifluoromethane
Concen: 21.14 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	17.0	50.9





#3

Chloromethane

Concen: 19.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion: 50 Resp: 90199

Ion Ratio Lower Upper

50 100

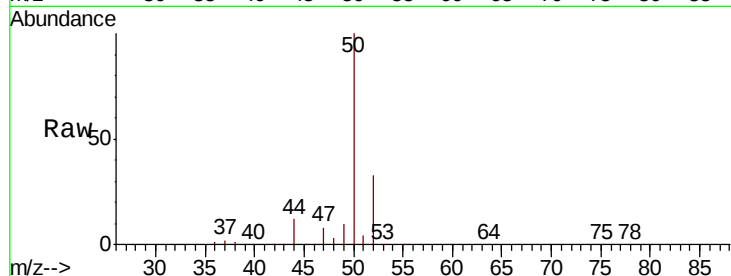
52 33.5 26.2 39.2

Manual Integrations

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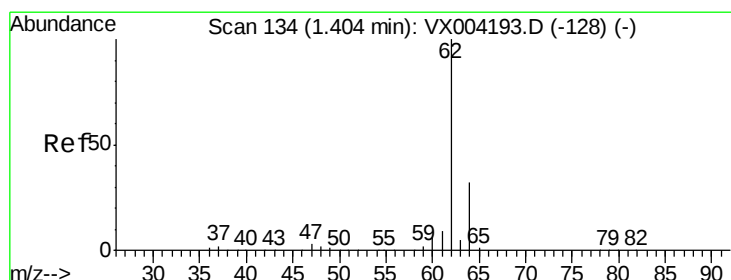
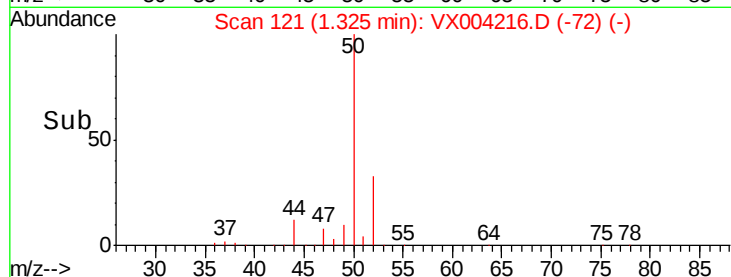
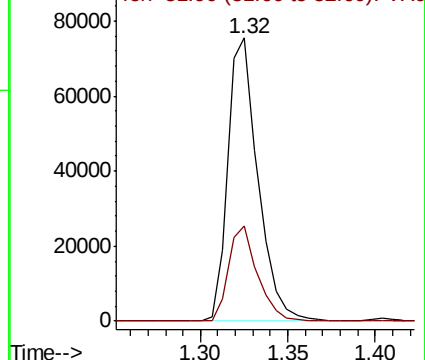
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004216.D

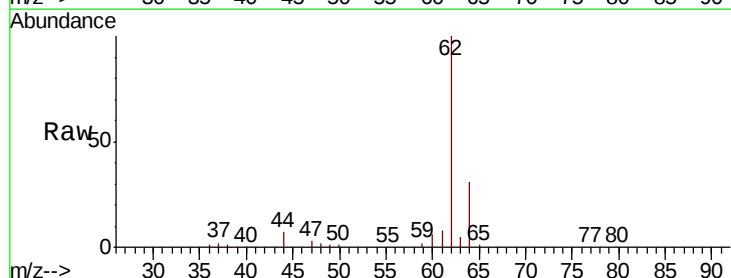
Acq: 23 Aug 2018 10:35

Tgt Ion: 62 Resp: 96008

Ion Ratio Lower Upper

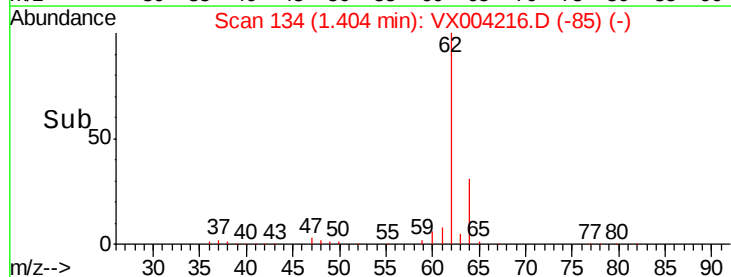
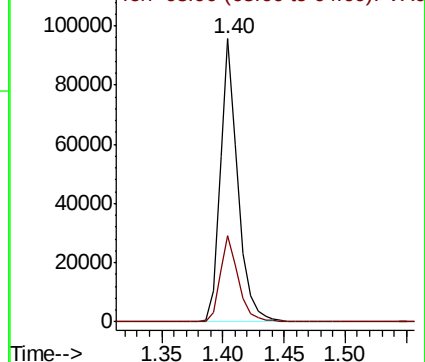
62 100

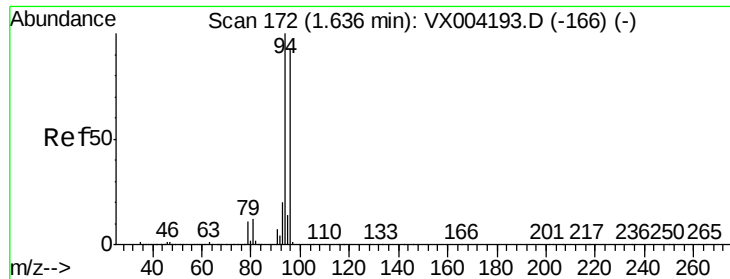
64 30.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.93 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion: 94 Resp: 53082

Ion Ratio Lower Upper

94 100

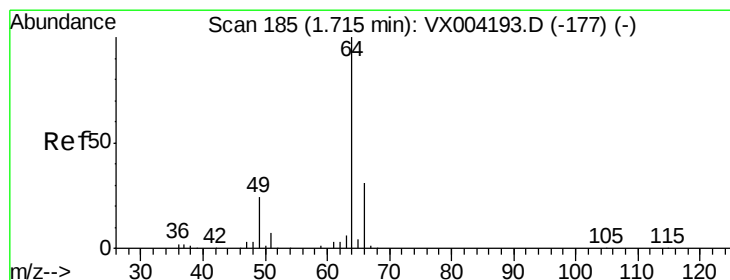
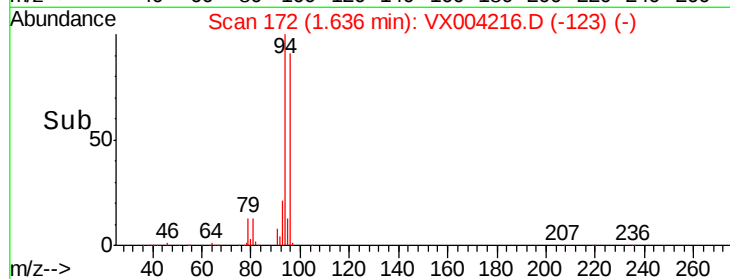
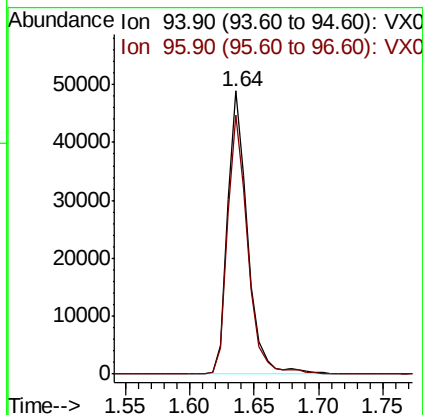
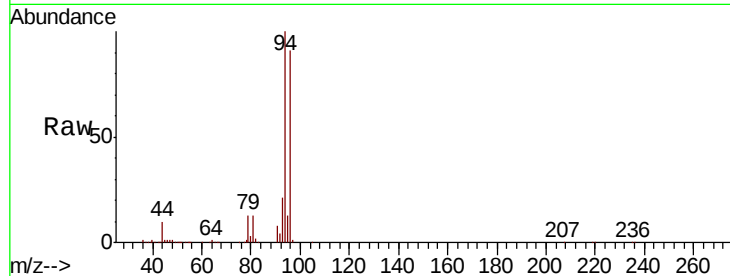
96 91.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 18.41 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004216.D

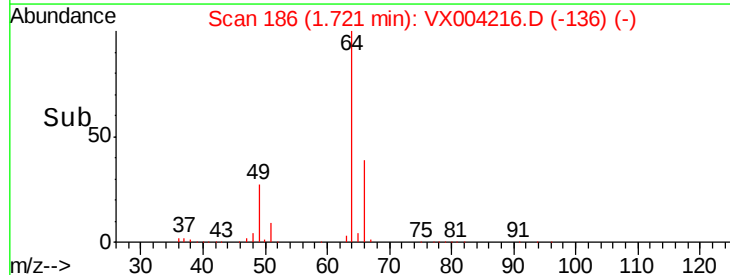
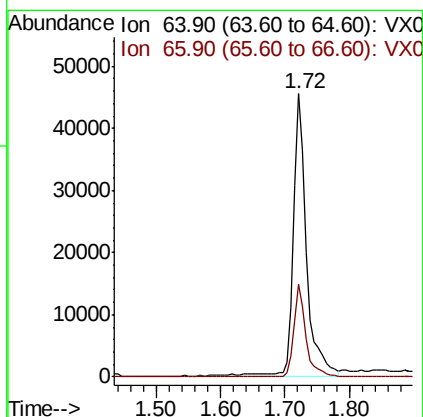
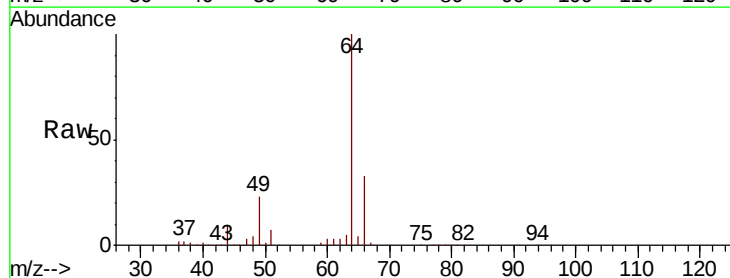
Acq: 23 Aug 2018 10:35

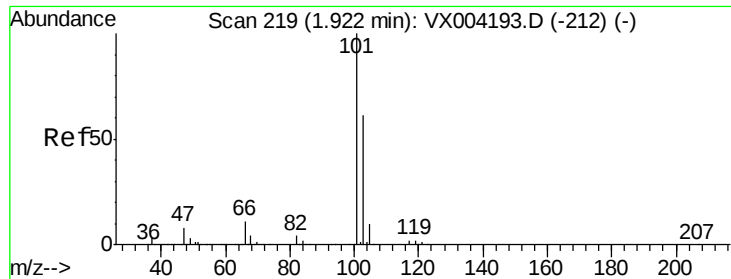
Tgt Ion: 64 Resp: 66188

Ion Ratio Lower Upper

64 100

66 32.6 24.6 36.8





#7

Trichlorofluoromethane

Concen: 19.73 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion:101 Resp: 131743

Ion Ratio Lower Upper

101 100

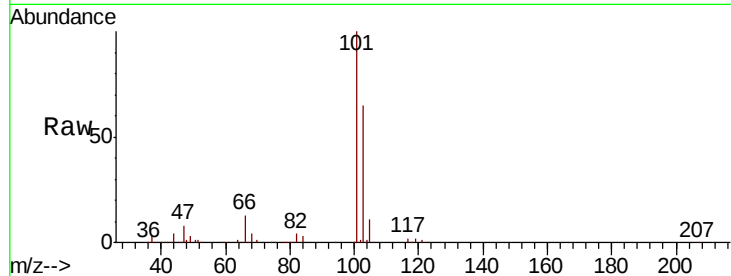
103 64.6 48.9 73.3

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8/24/2018 11:35:00 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

100000

80000

60000

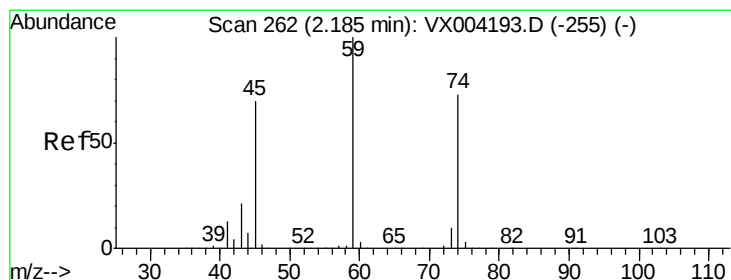
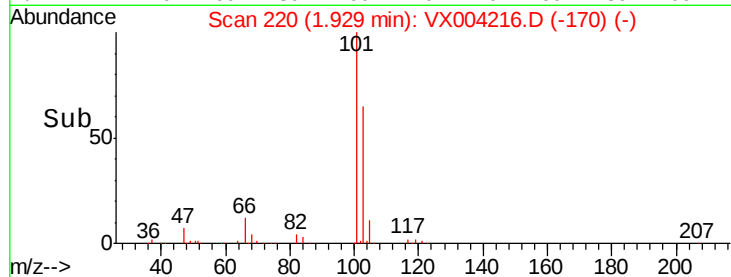
40000

20000

0

1.90 2.00

Time-->



#8

Diethyl Ether

Concen: 19.57 ug/l

RT: 2.18 min Scan# 262

Delta R.T. 0.00 min

Lab File: VX004216.D

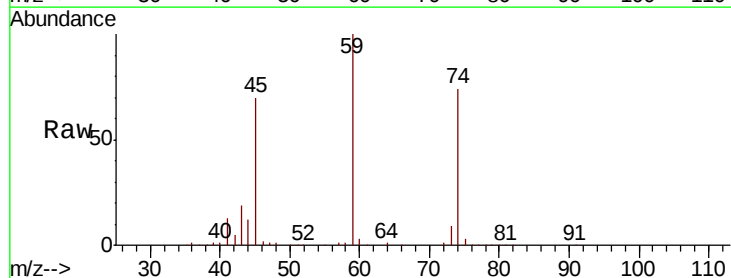
Acq: 23 Aug 2018 10:35

Tgt Ion: 74 Resp: 55951

Ion Ratio Lower Upper

74 100

45 91.9 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

40000

30000

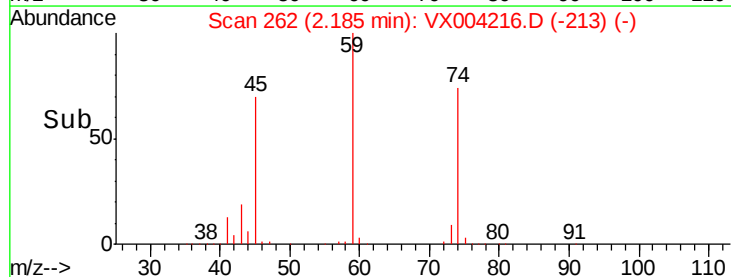
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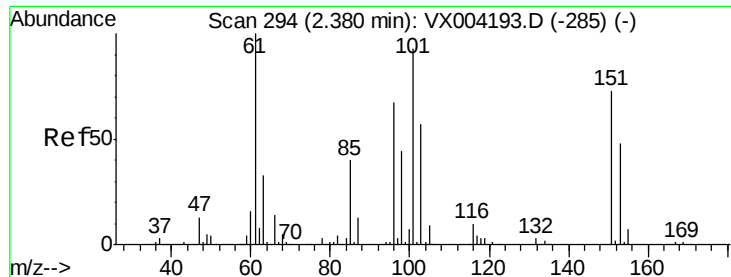
10000

0

2.10 2.20 2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.59 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

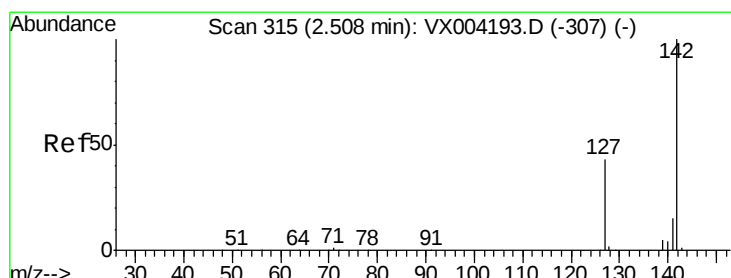
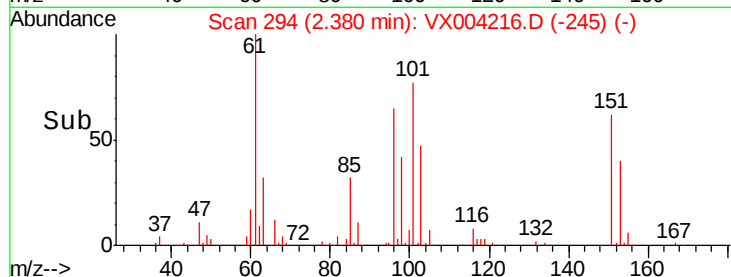
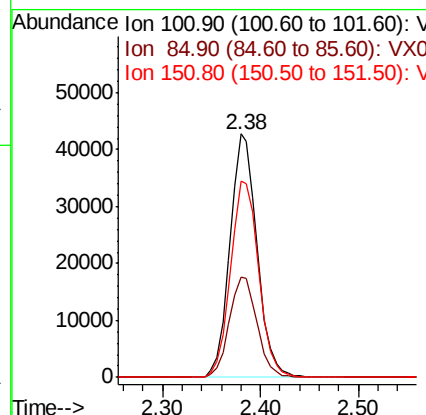
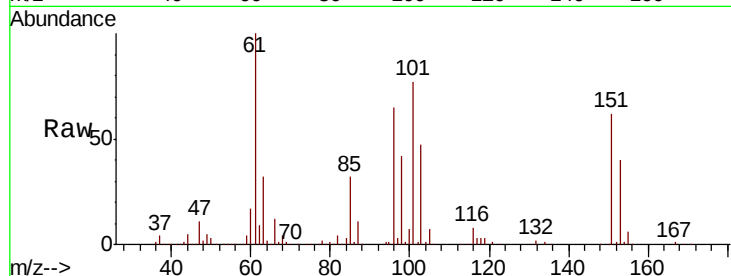
ClientSampleId :

VX0823WBS01

Tot Ion:	101	Resp:	81932
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	83.9	65.0	97.6

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#10

Methyl Iodide

Concen: 17.22 ug/l

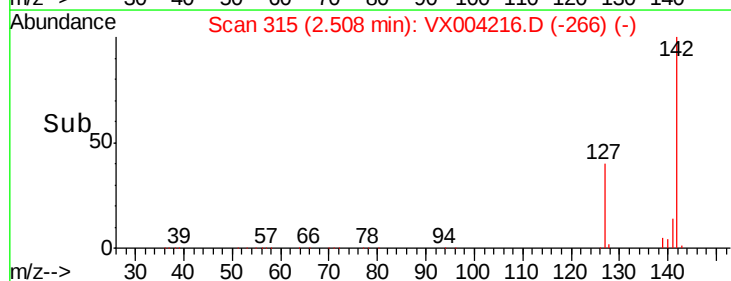
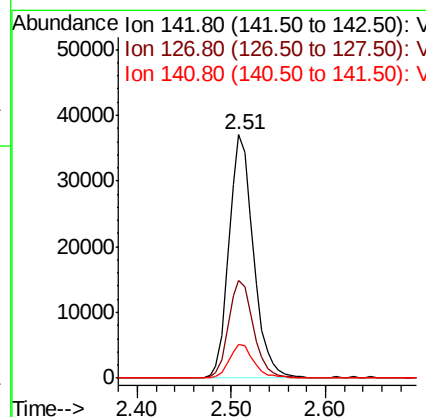
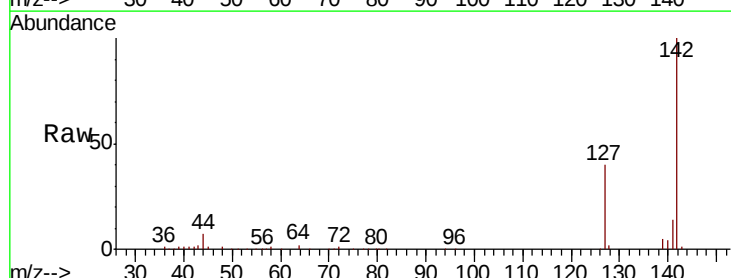
RT: 2.51 min Scan# 315

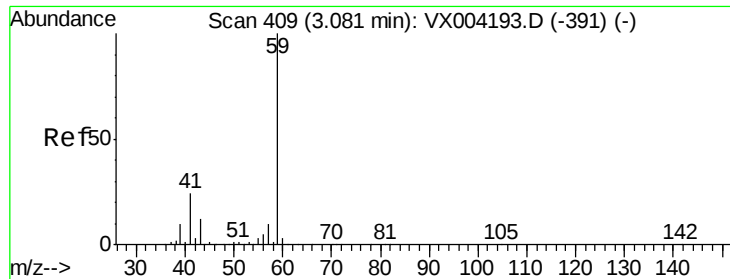
Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Tgt Ion:	142	Resp:	66847
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.8	50.6
141	13.8	11.4	17.0





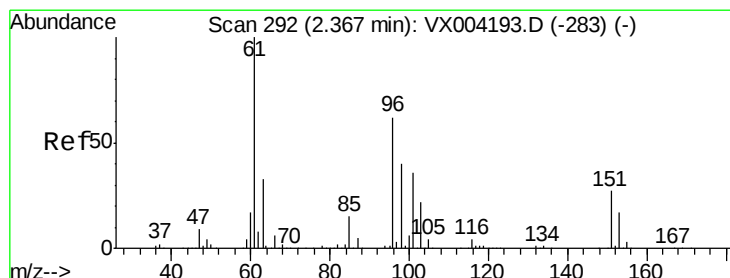
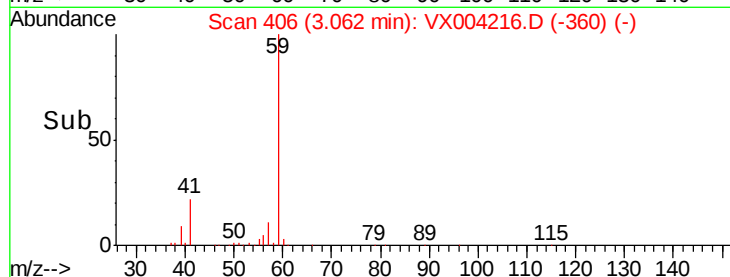
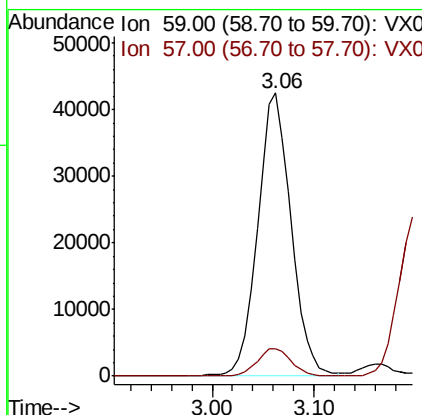
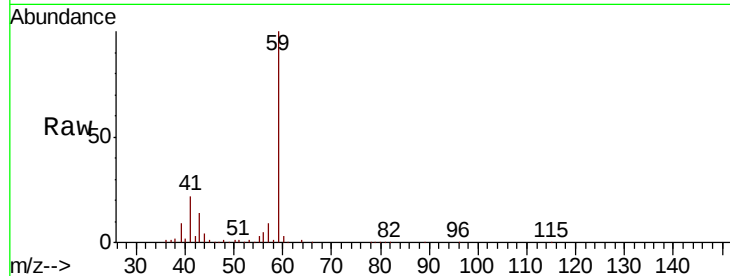
#11
Tert butyl alcohol
Concen: 93.41 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	59	Resp	96499
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

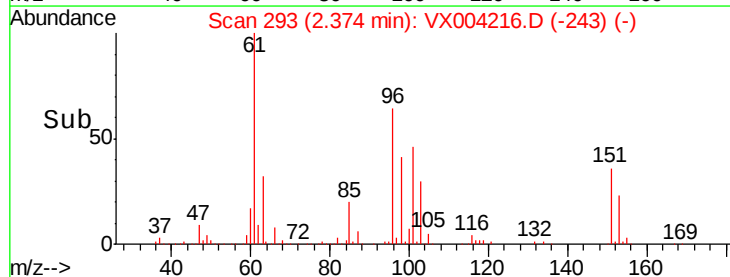
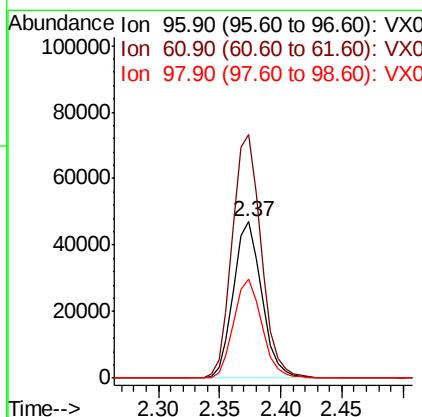
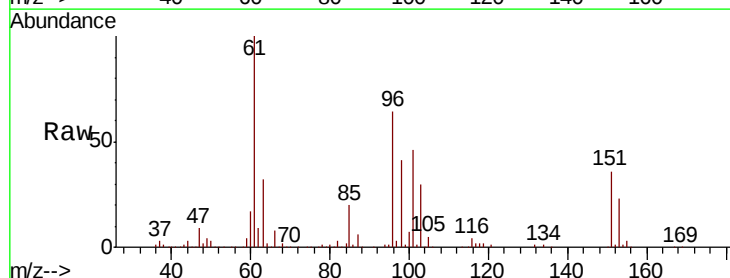
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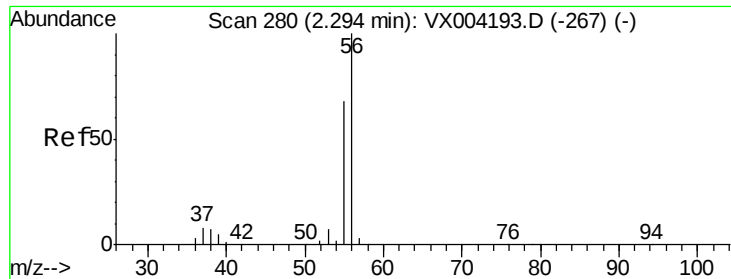
MMDadoda
8/24/2018 11:35:00 AM



#12
1,1-Dichloroethene
Concen: 19.18 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	96	Resp	75555
Ion Ratio	100	Lower	Upper
61	156.0	128.8	193.2
98	63.4	52.2	78.2





#13

Acrolein

Concen: 87.83 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

Tot Ion: 56 Resp: 21875

Ion Ratio Lower Upper

56 100

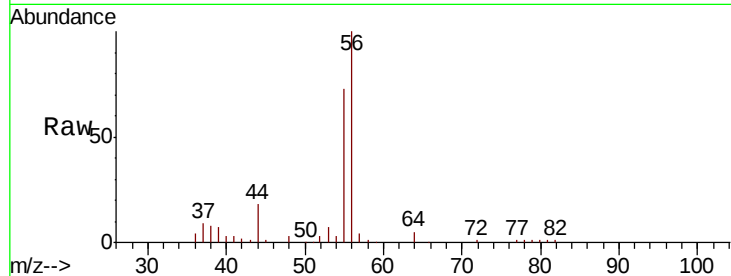
55 72.0 54.7 82.1

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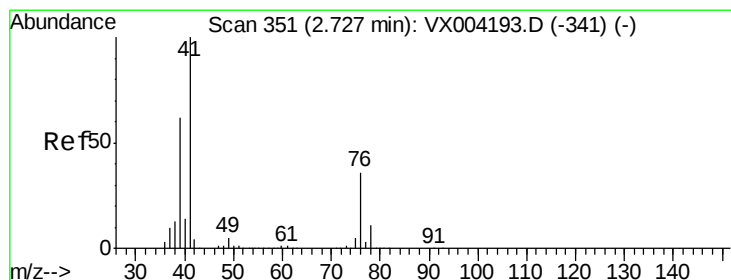
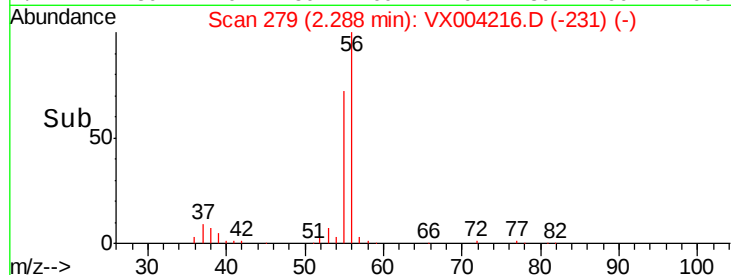
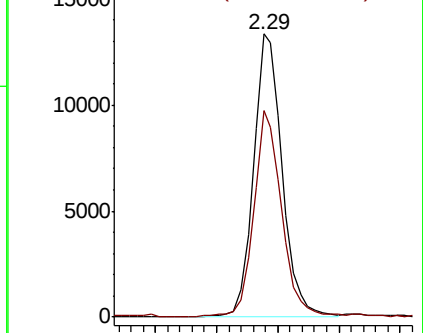
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.84 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

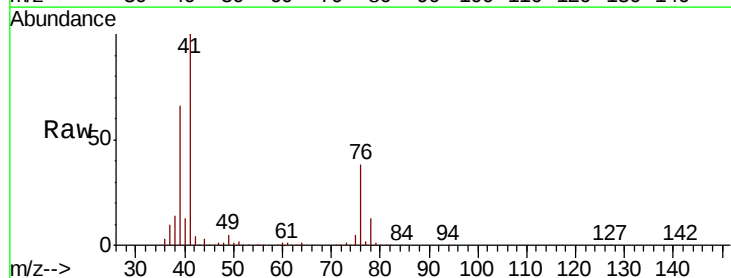
Tgt Ion: 41 Resp: 136376

Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

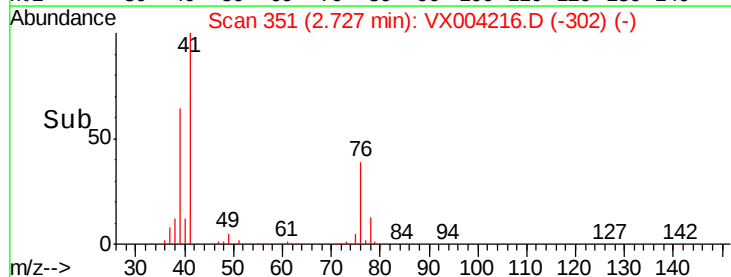
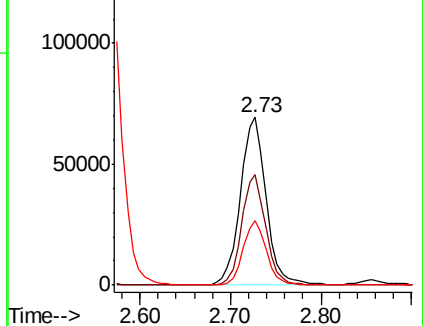
76 34.4 26.7 40.1

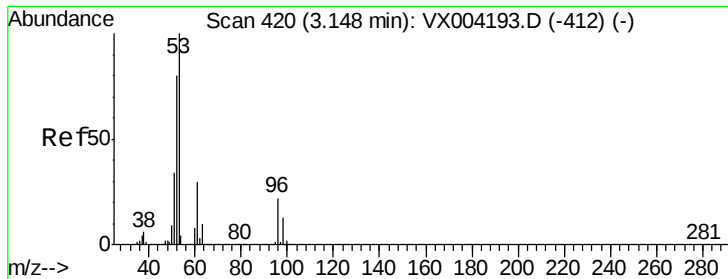


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 87.85 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

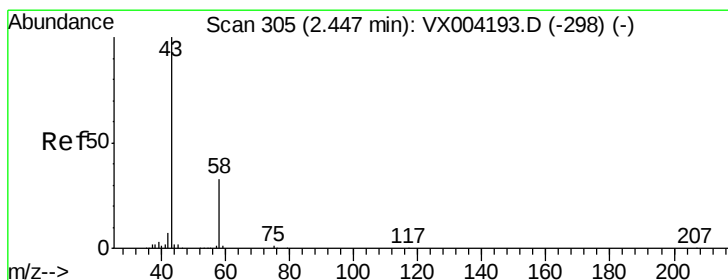
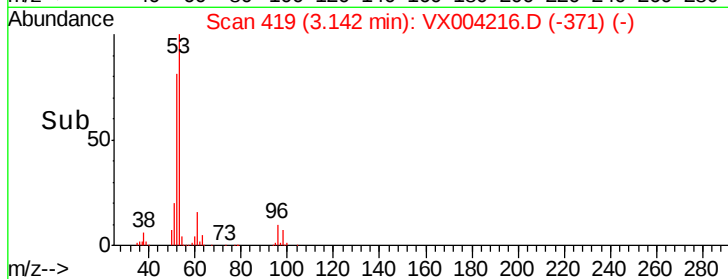
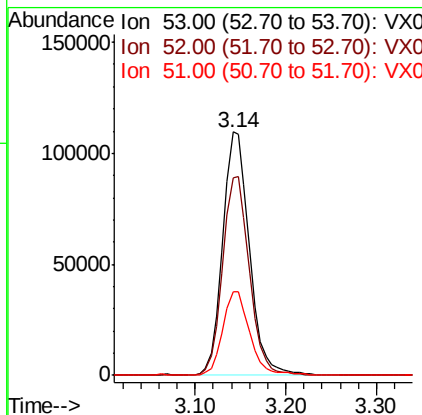
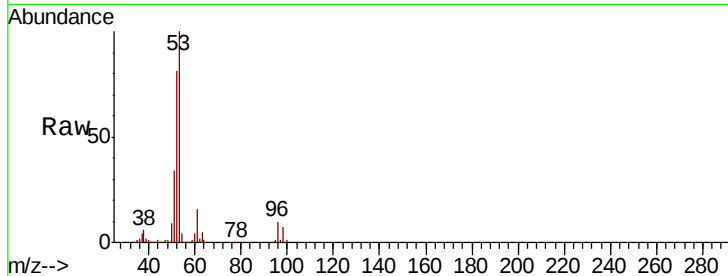
ClientSampled :

VX0823WBS01

Tot Ion:	53	Resp:	224748
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.2	97.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 92.25 ug/l

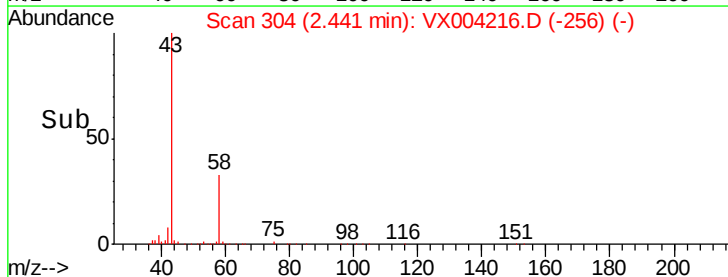
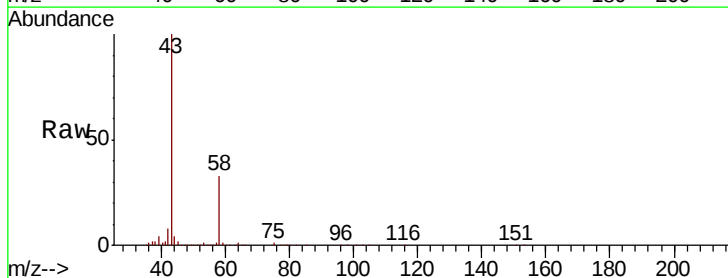
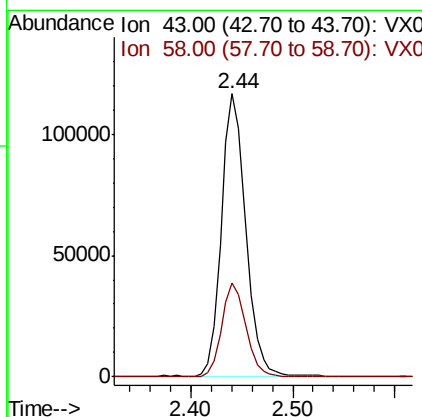
RT: 2.44 min Scan# 304

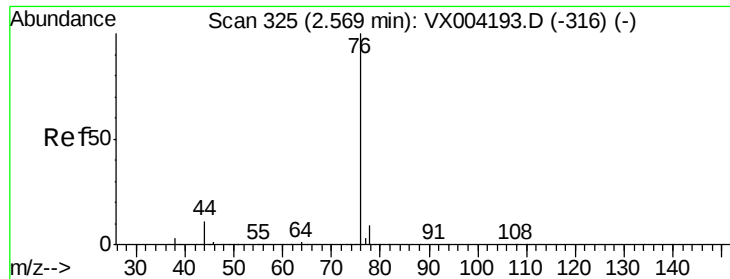
Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Tgt Ion:	43	Resp:	192582
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.2	39.4





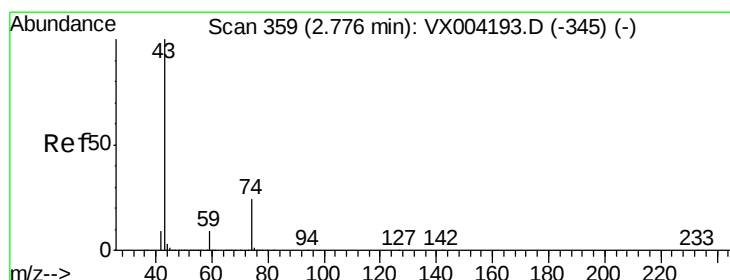
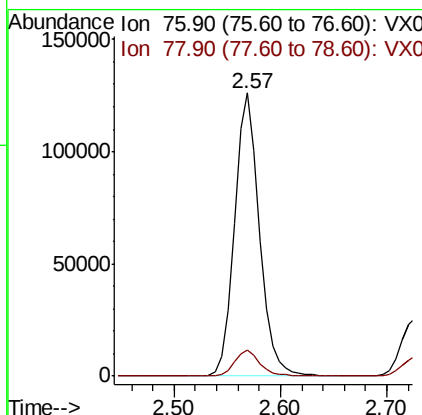
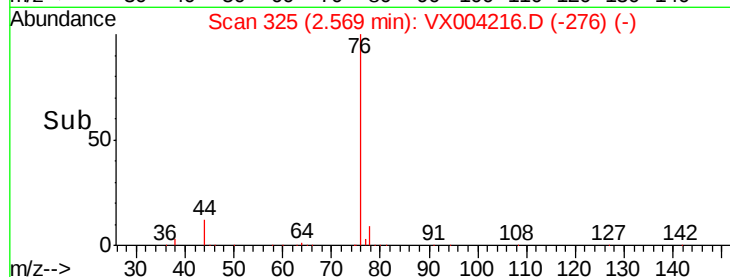
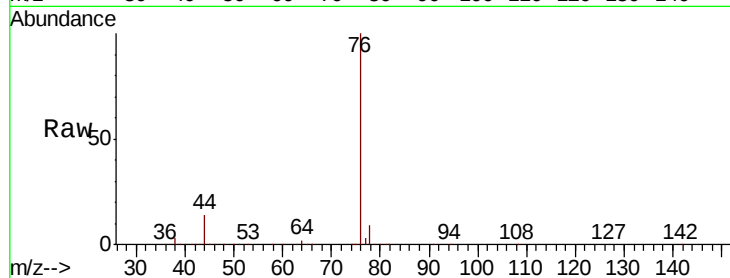
#17
Carbon Disulfide
Concen: 19.39 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

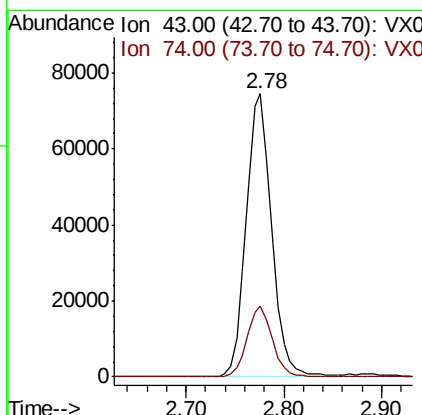
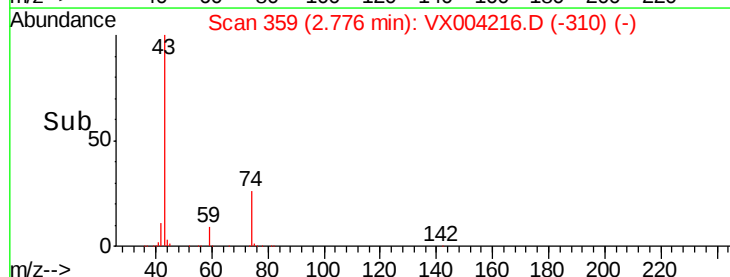
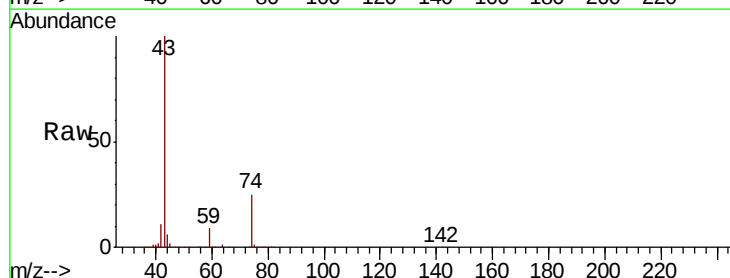
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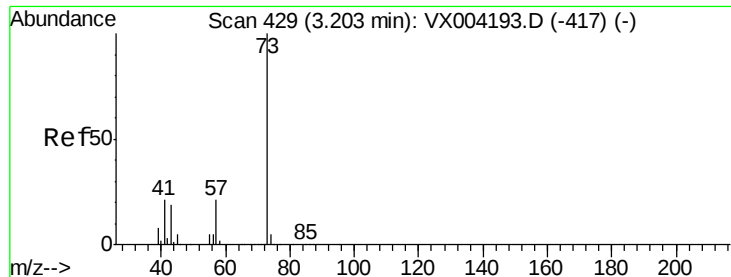
MMDadoda
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#18
Methyl Acetate
Concen: 18.64 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.2





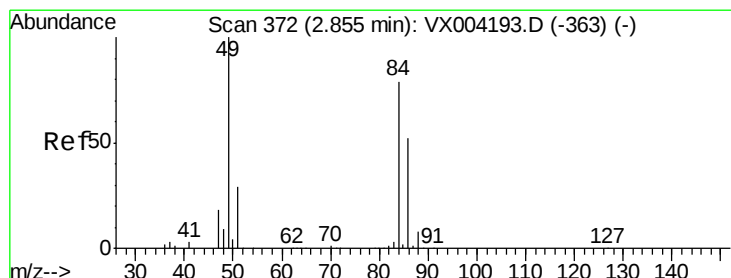
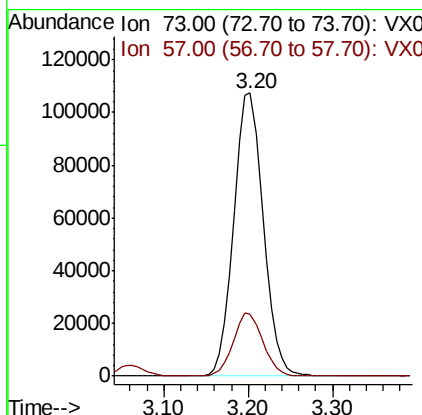
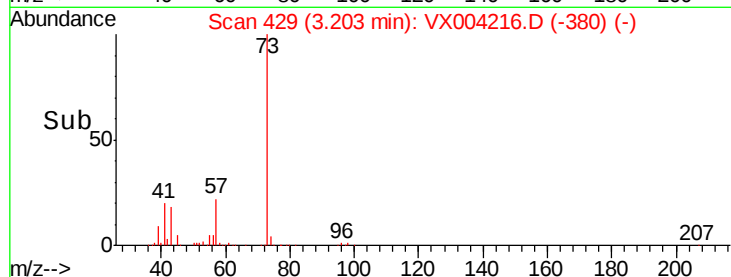
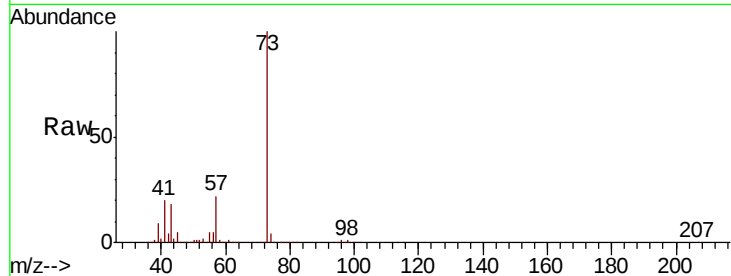
#19
Methvl tert-butvl Ether
Concen: 19.58 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion: 73 Resp: 254154
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7

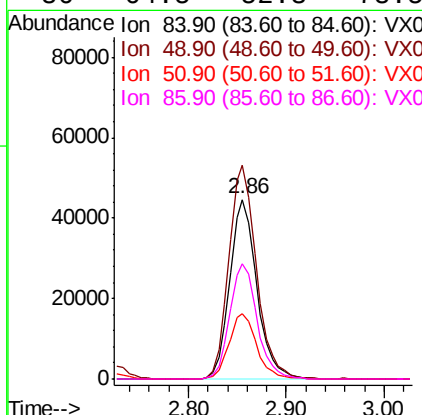
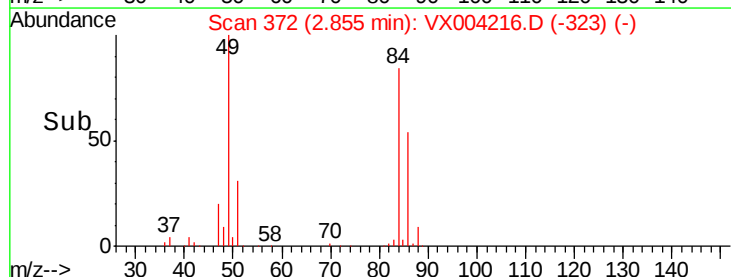
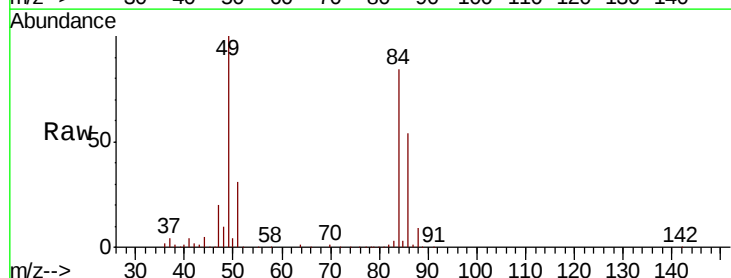
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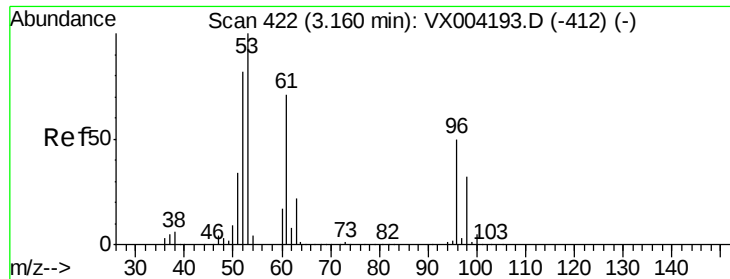
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#20
Methylene Chloride
Concen: 18.44 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 84 Resp: 86029
Ion Ratio Lower Upper
84 100
49 118.9 101.2 151.8
51 36.1 29.5 44.3
86 64.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.91 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

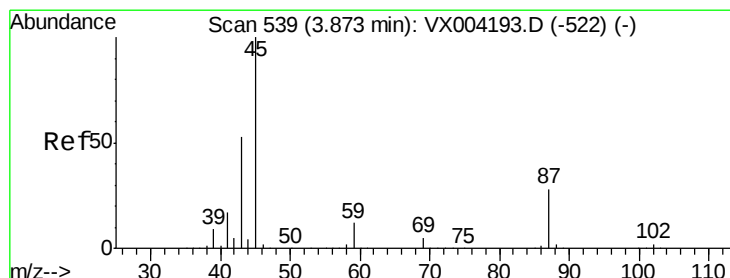
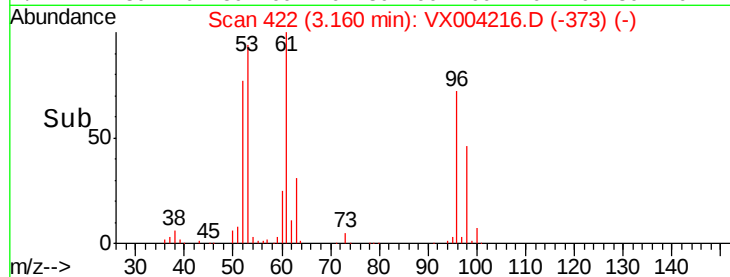
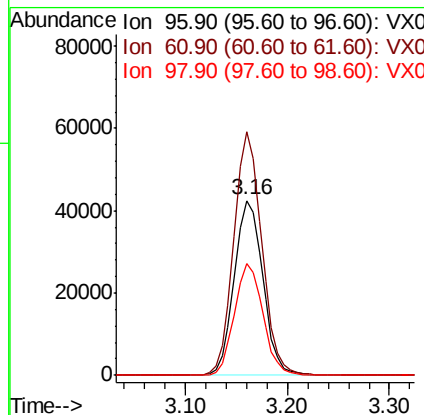
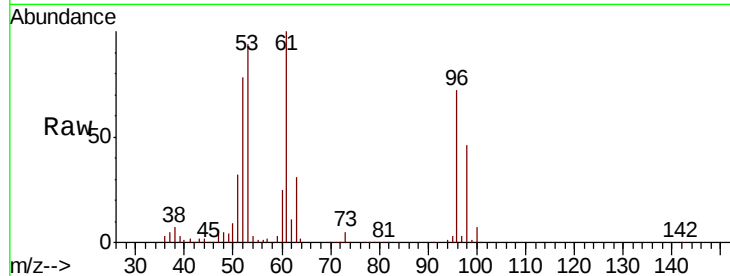
ClientSampleId :

VX0823WBS01

Tot Ion:	96	Resp:	82445
Ion	Ratio	Lower	Upper
96	100		
61	139.4	113.8	170.6
98	64.1	51.8	77.8

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#22

Diisopropyl ether

Concen: 18.43 ug/l

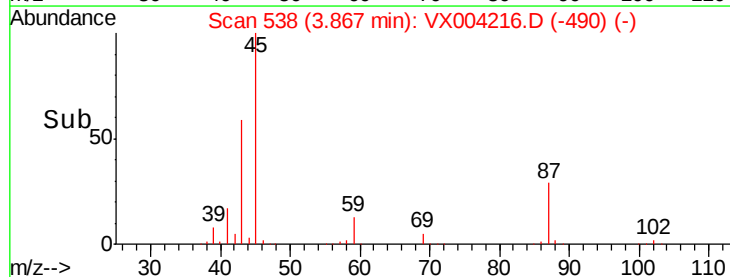
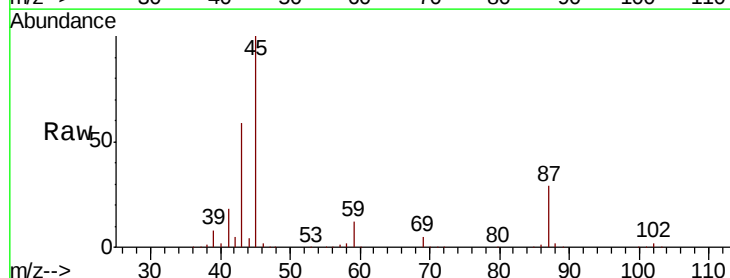
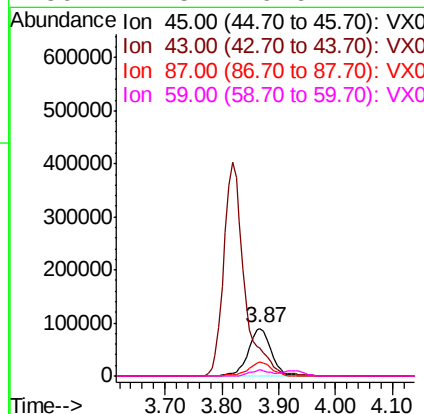
RT: 3.87 min Scan# 538

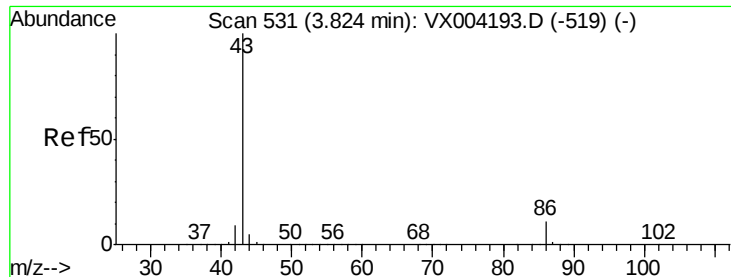
Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Tgt Ion:	45	Resp:	249083
Ion	Ratio	Lower	Upper
45	100		
43	59.0	42.8	64.2
87	28.6	22.6	34.0
59	12.5	9.6	14.4





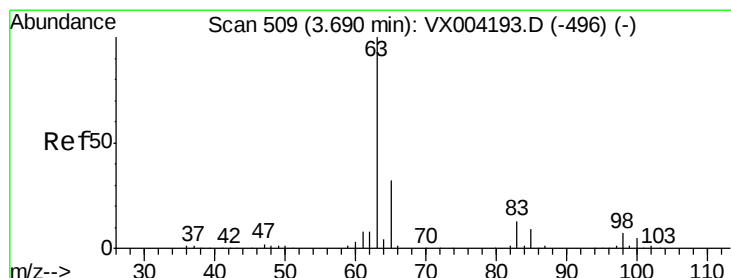
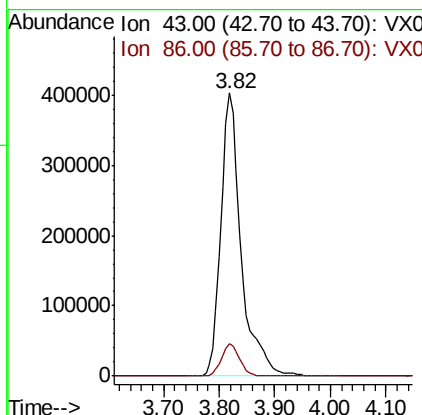
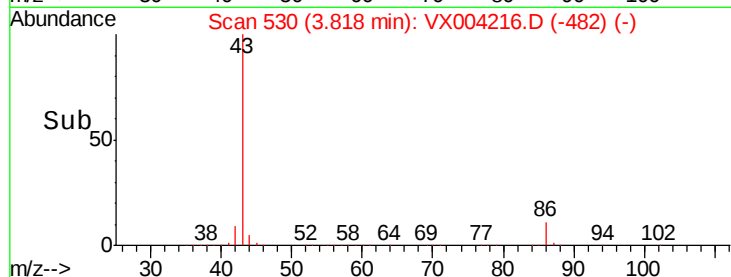
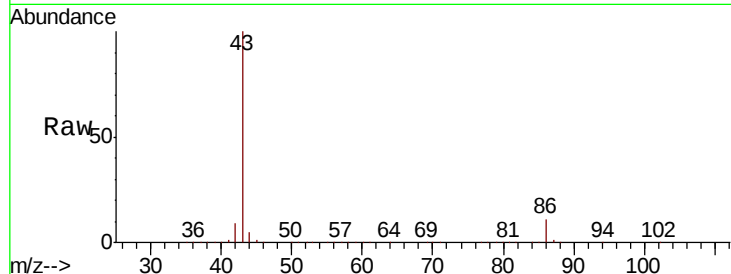
#23
 Vinyl Acetate
 Concen: 92.97 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion: 43 Resp: 1018199
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.9 13.3

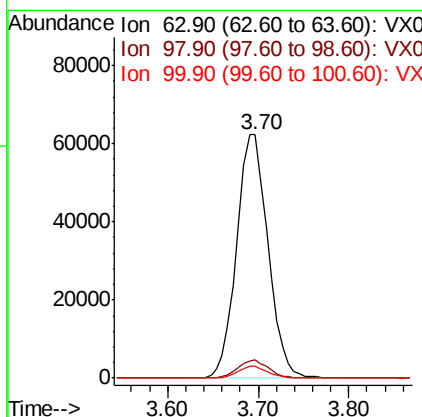
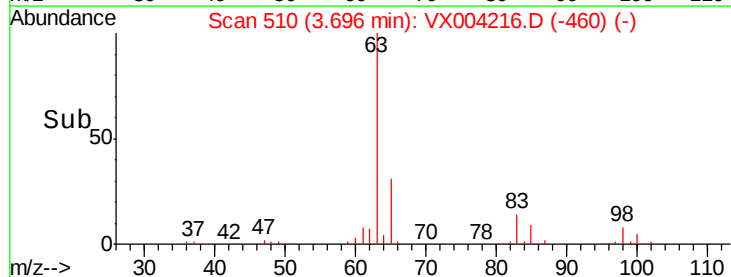
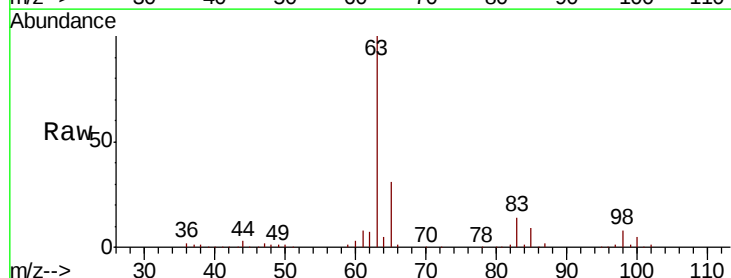
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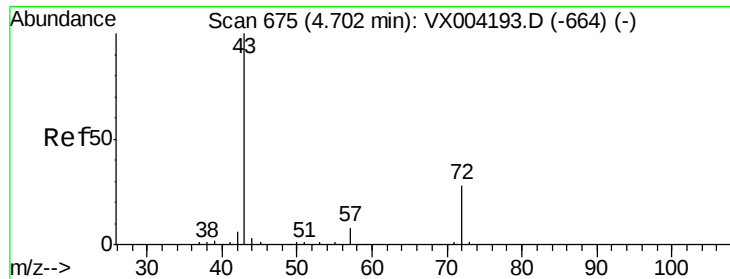
MMDadoda
 8/24/2018 11:35:00 AM



#24
 1,1-Dichloroethane
 Concen: 19.07 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 63 Resp: 150136
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.4
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 88.42 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion: 43 Resp: 293099

Ion Ratio Lower Upper

43 100

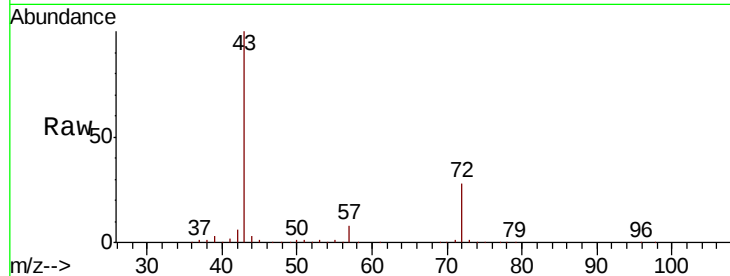
72 27.8 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

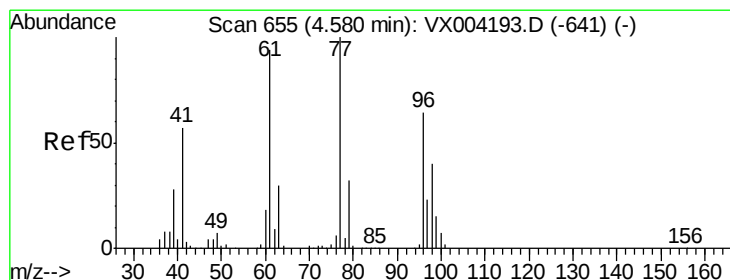
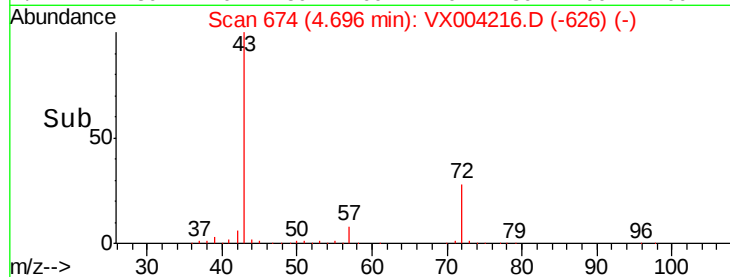
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.30 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004216.D

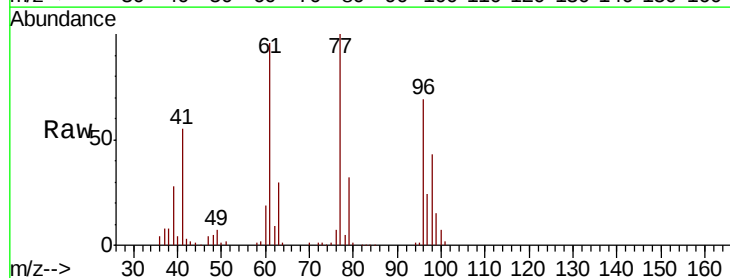
Acq: 23 Aug 2018 10:35

Tgt Ion: 77 Resp: 119219

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

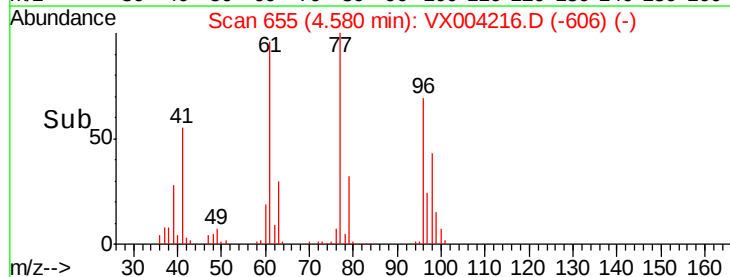
30000

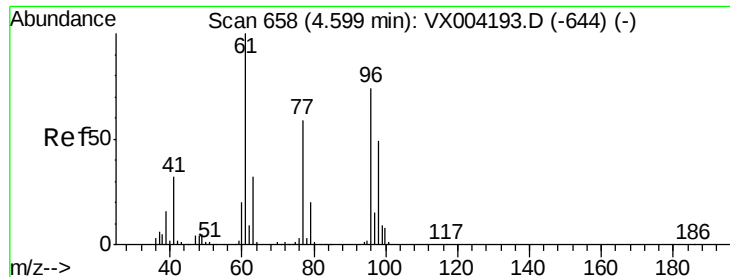
20000

10000

0

Time-->





#27

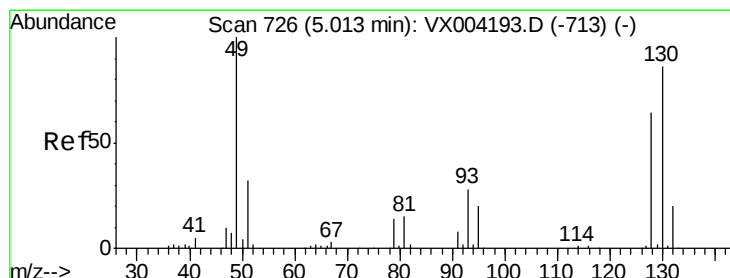
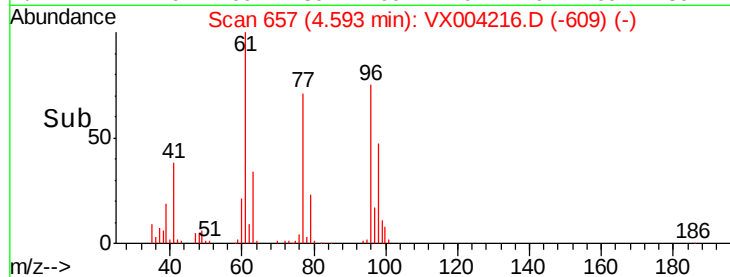
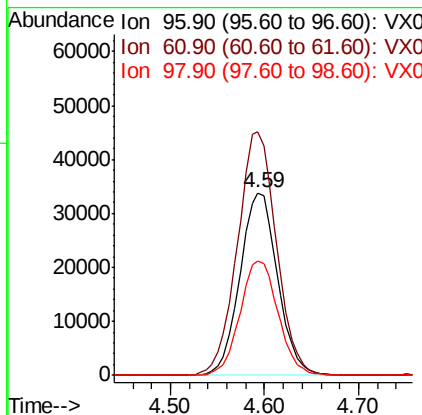
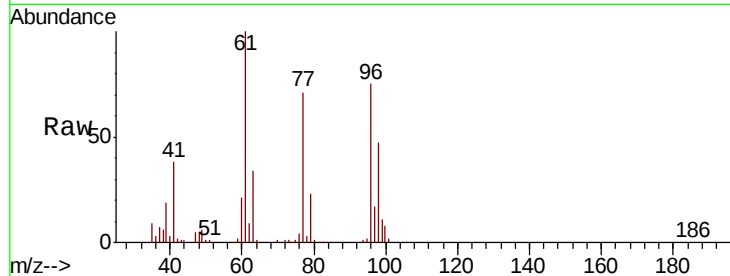
cis-1,2-Dichloroethene
Concen: 19.13 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.4	0.0	282.6	
98	63.4	0.0	130.2	

Manual Integrations
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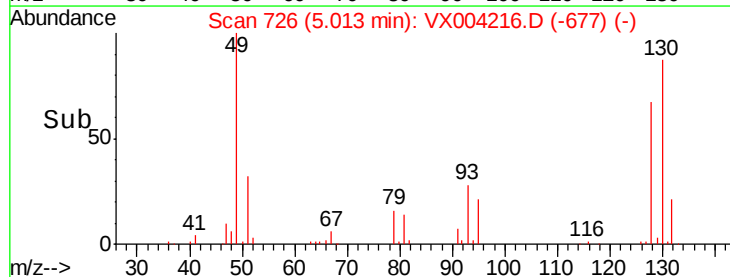
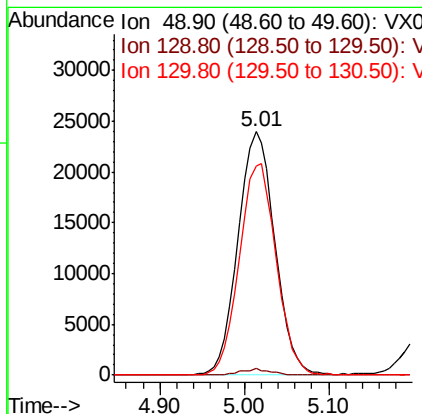
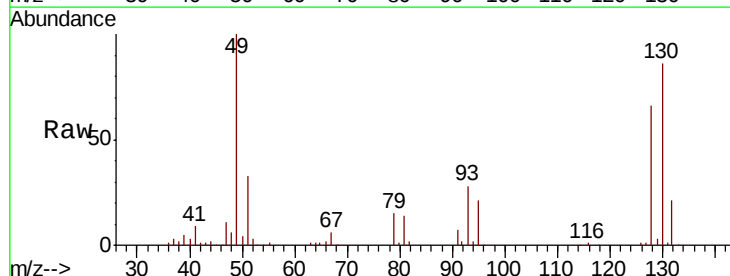
MMDadoda
8/24/2018 11:35:00 AM

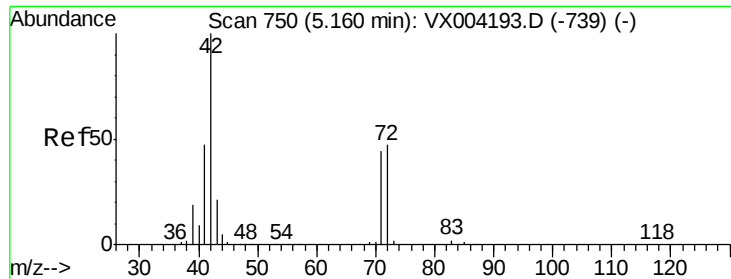


#28

Bromochloromethane
Concen: 20.41 ug/l
RT: 5.01 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	86.6	67.5	101.3	





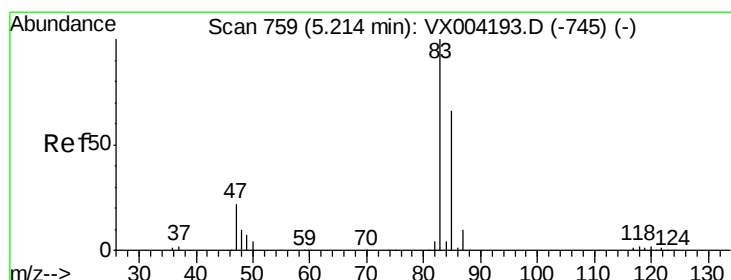
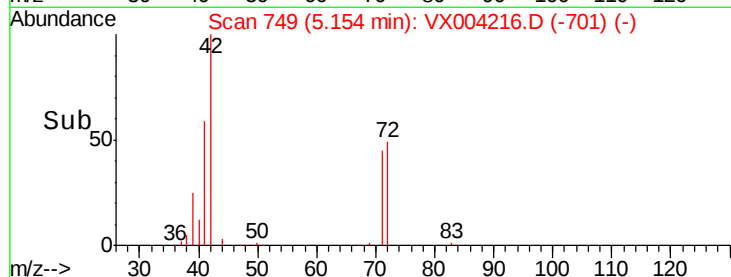
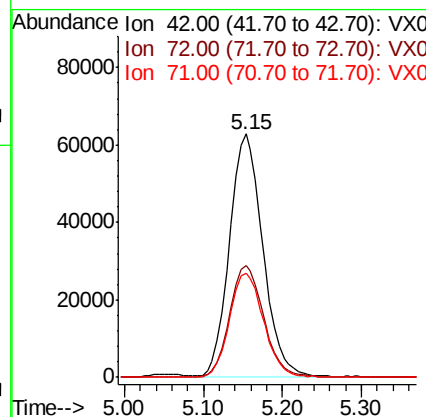
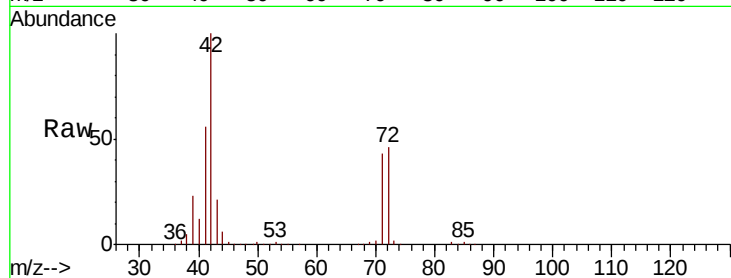
#29
Tetrahydrofuran
Concen: 88.46 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.4	56.0
71	44.3	34.5	51.7

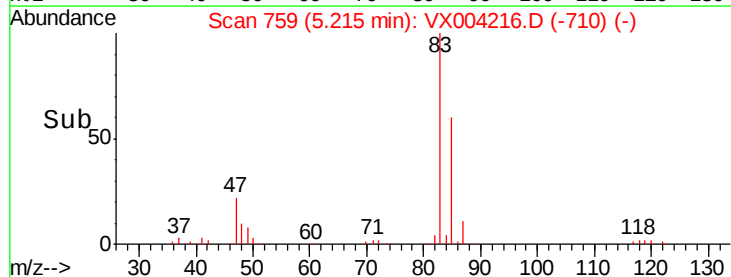
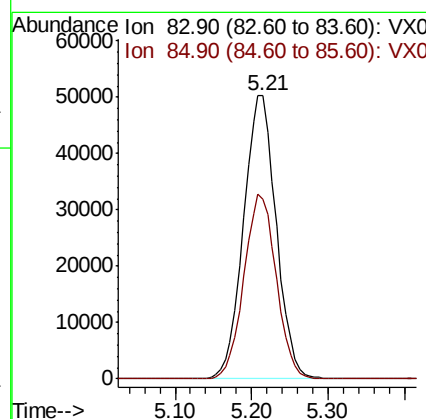
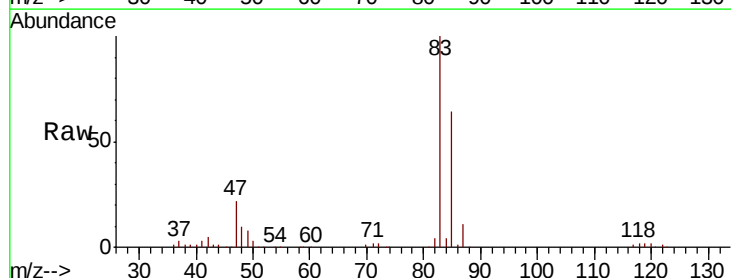
Manual Integrations
APPROVED

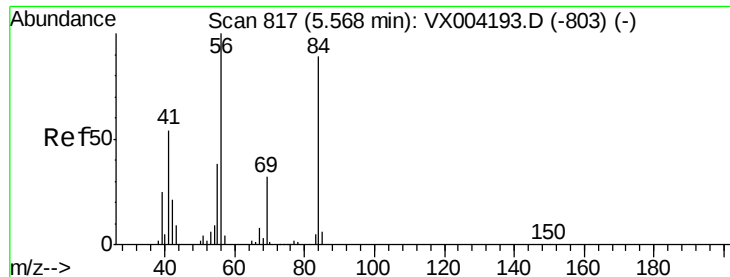
MMDadoda
8/24/2018 11:35:00 AM



#30
Chloroform
Concen: 18.87 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	79.0





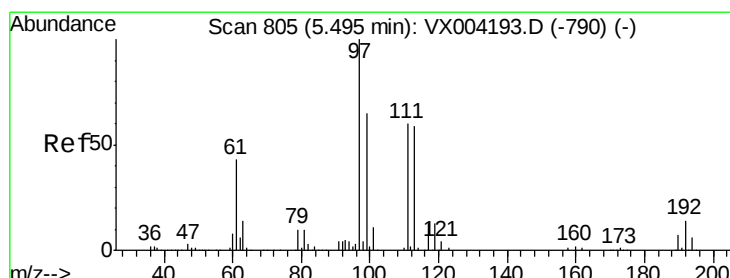
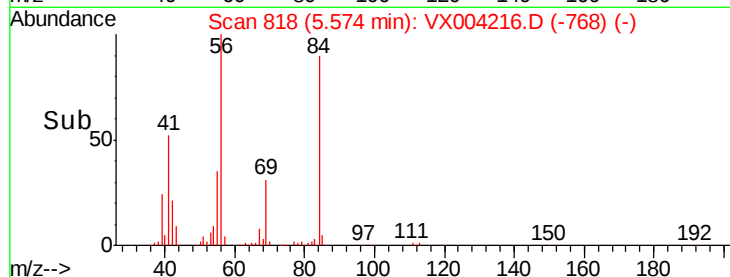
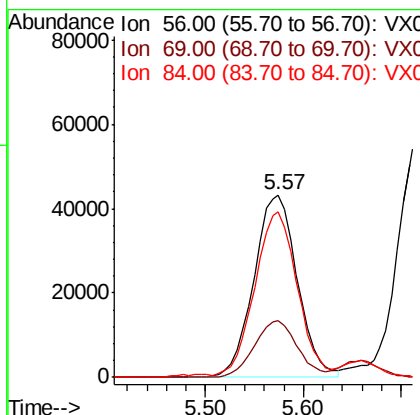
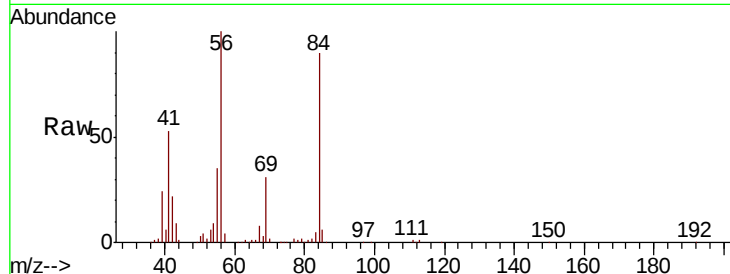
#31
Cyclohexane
Concen: 19.64 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.4	38.2
84	89.3	71.4	107.2

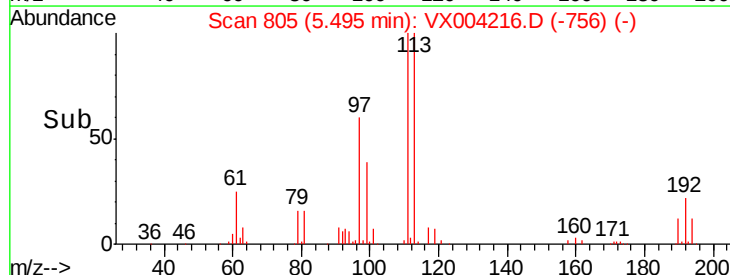
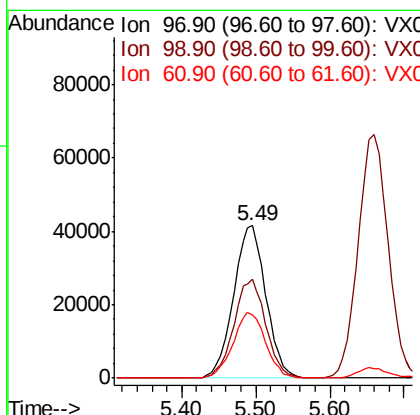
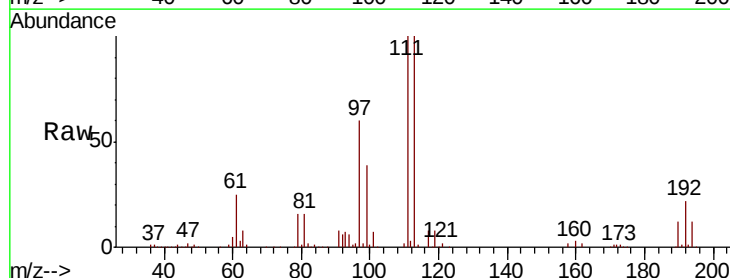
Manual Integrations
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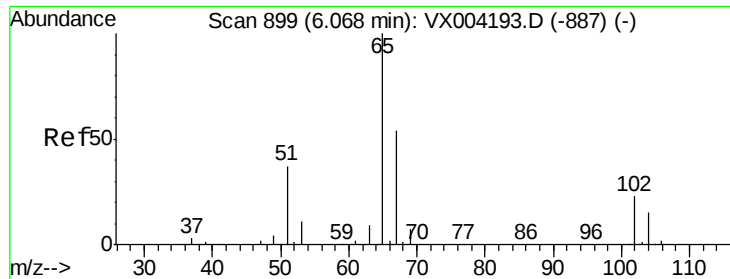
MMDadoda
8/24/2018 11:35:00 AM



#32
1,1,1-Trichloroethane
Concen: 19.22 ug/l
RT: 5.49 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	43.5	34.9	52.3





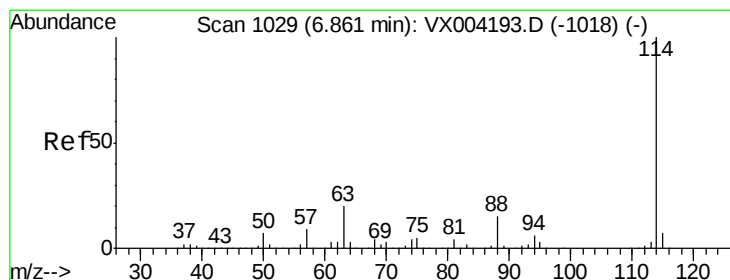
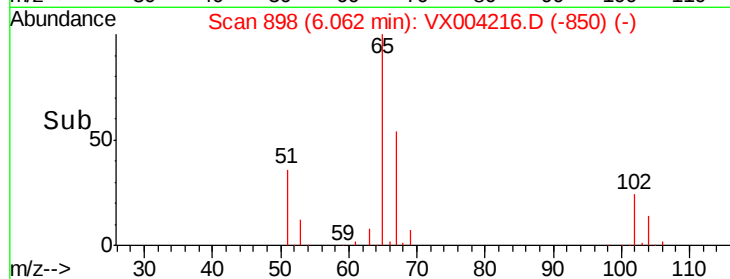
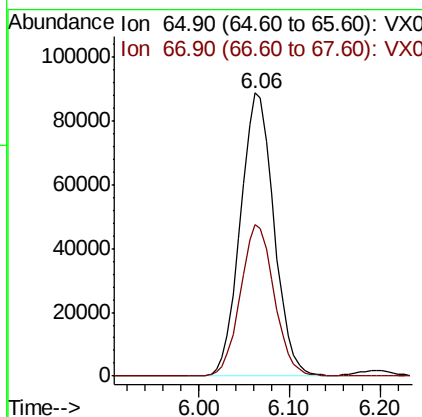
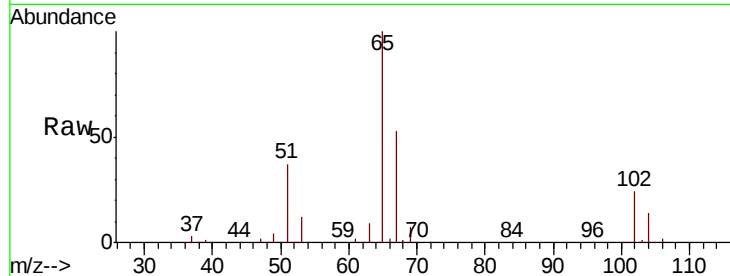
#33
 1,2-Dichloroethane-d4
 Concen: 47.09 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.8

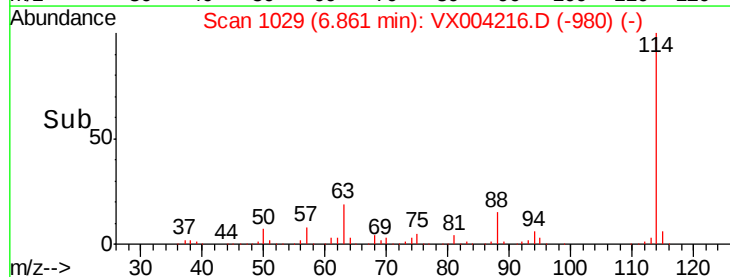
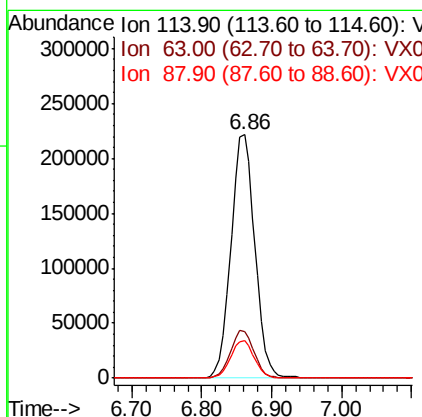
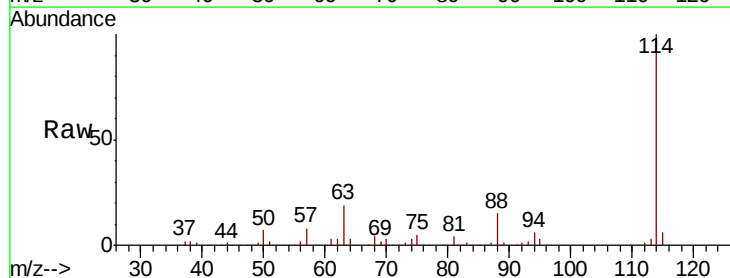
Manual Integrations
 APPROVED

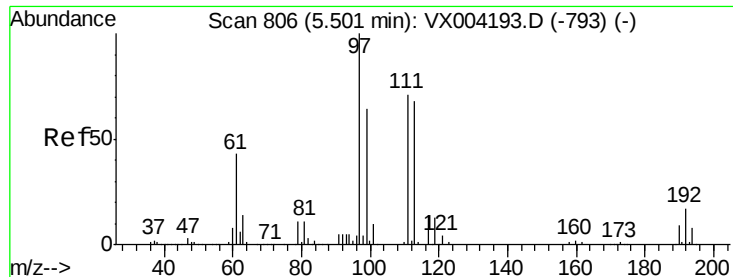
MMDadoda
 8/24/2018 11:35:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	15.3	0.0	30.4





#35

Dibromofluoromethane

Concen: 50.24 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

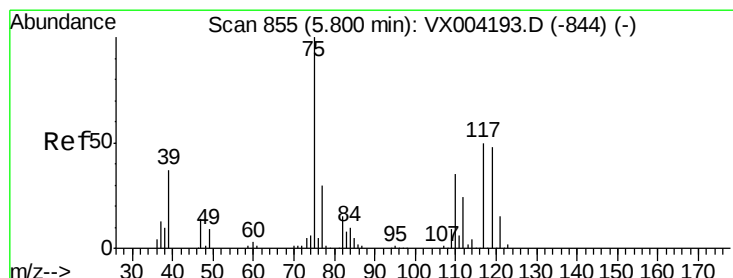
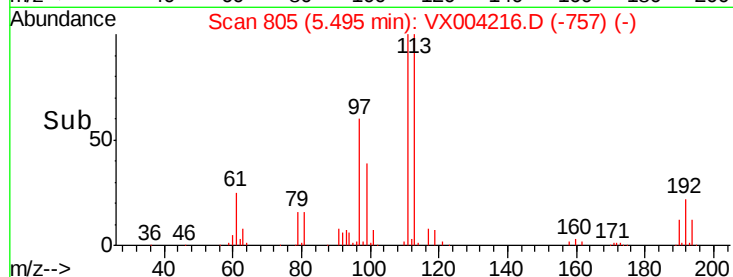
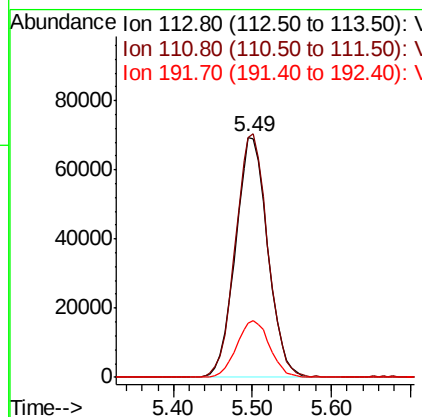
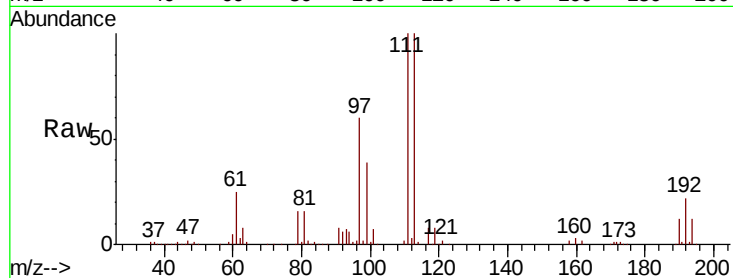
ClientSampleId :

VX0823WBS01

Tot Ion:	113	Resp:	196933
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.4	123.6
192	24.0	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.29 ug/l

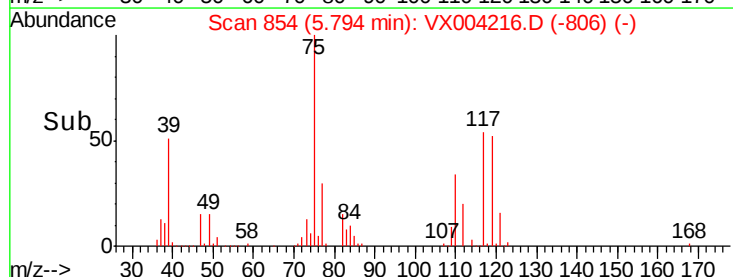
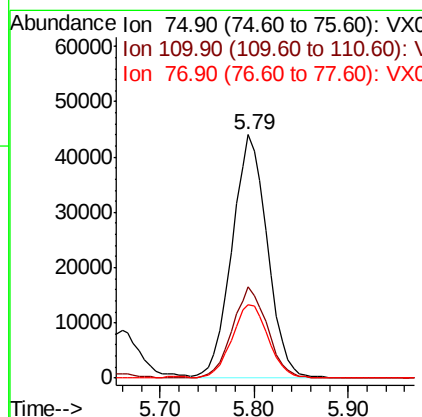
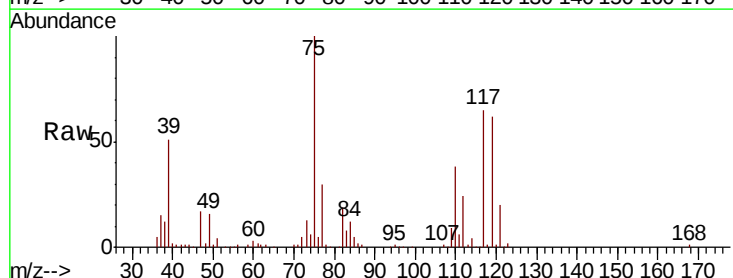
RT: 5.79 min Scan# 854

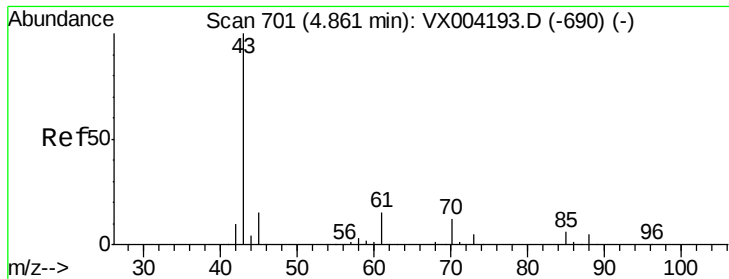
Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Tgt Ion:	75	Resp:	114270
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.0	54.0
77	31.4	24.6	36.8





#37

Ethyl Acetate

Concen: 18.81 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

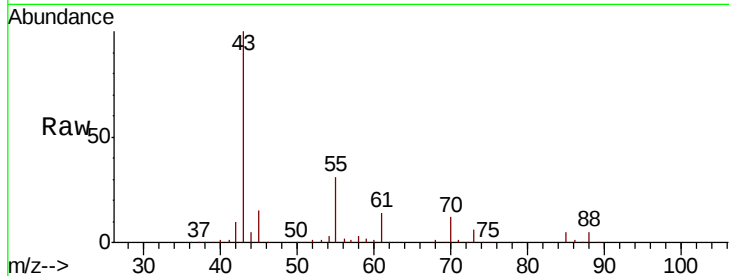
ClientSampleId :

VX0823WBS01

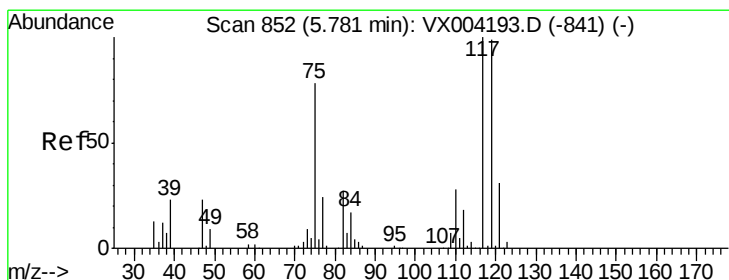
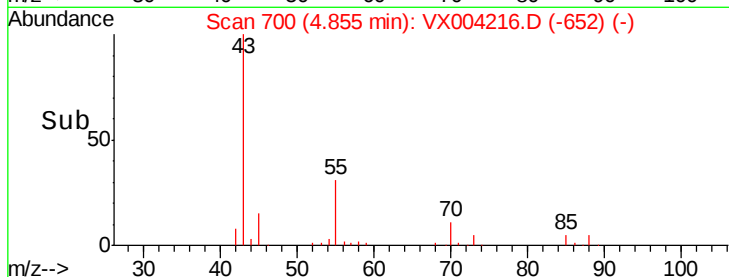
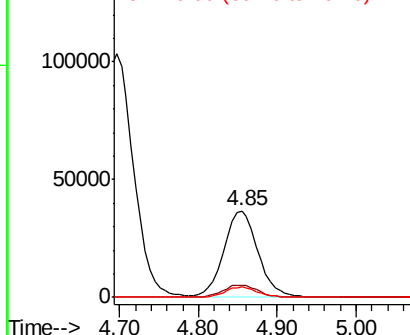
Tot Ion:	43	Resp:	109558
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.5	17.3
70	11.5	9.0	13.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.64 ug/l

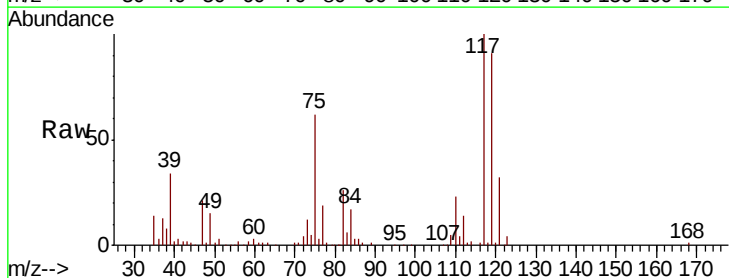
RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

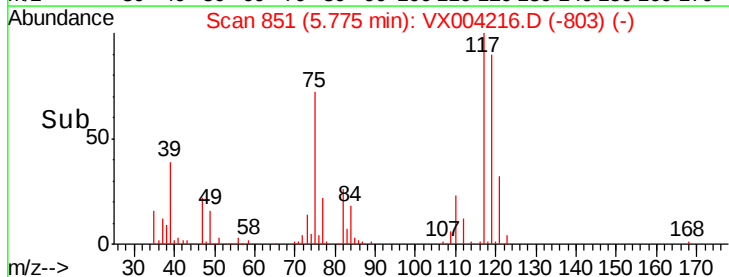
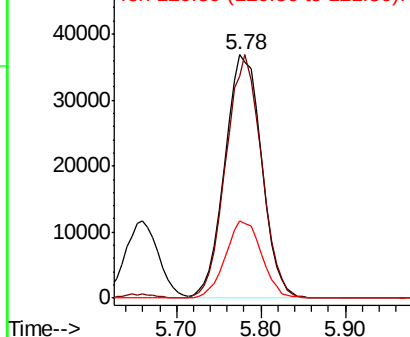
Lab File: VX004216.D

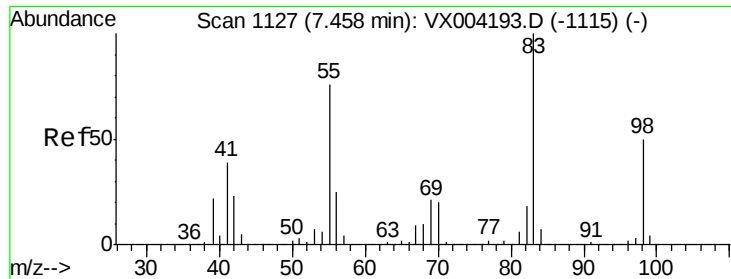
Acq: 23 Aug 2018 10:35

Tgt Ion:	117	Resp:	109446
Ion Ratio	Lower	Upper	
117	100		
119	91.2	78.8	118.2
121	31.5	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





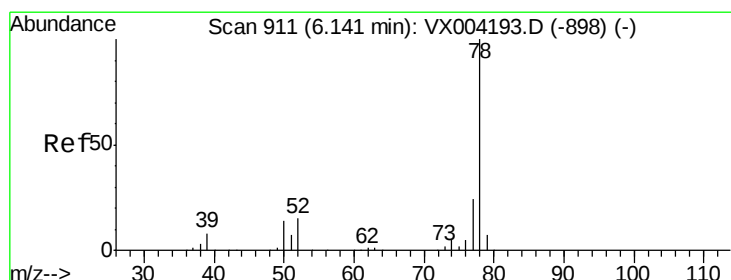
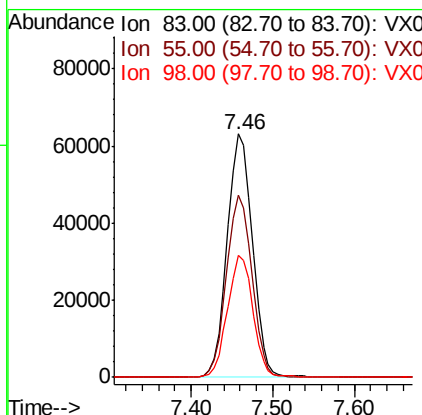
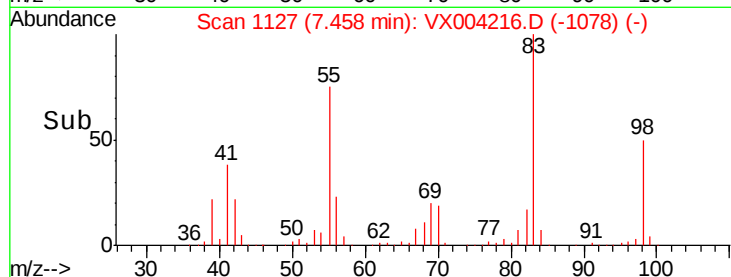
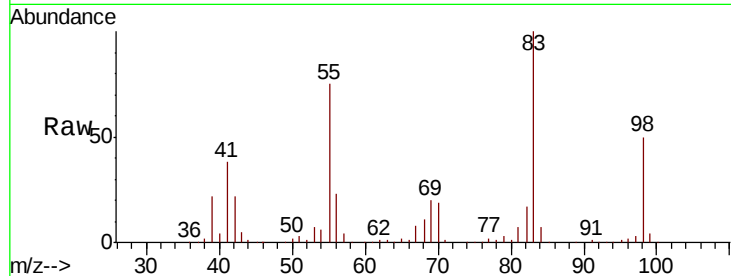
#39
Methvlcvclohexane
Concen: 20.03 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampled :
VX0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.7	61.0	91.4	
98	50.3	39.6	59.4	

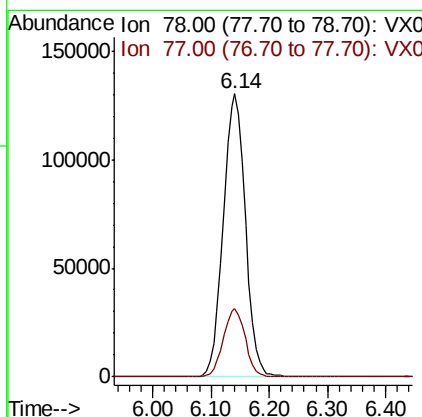
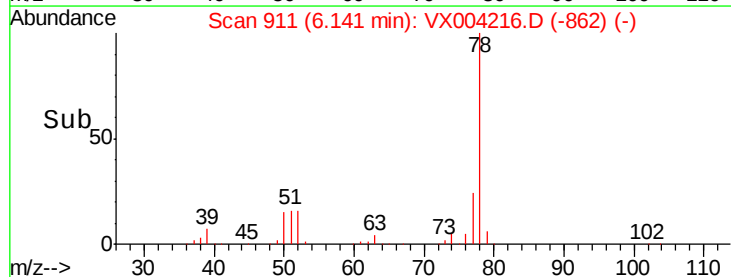
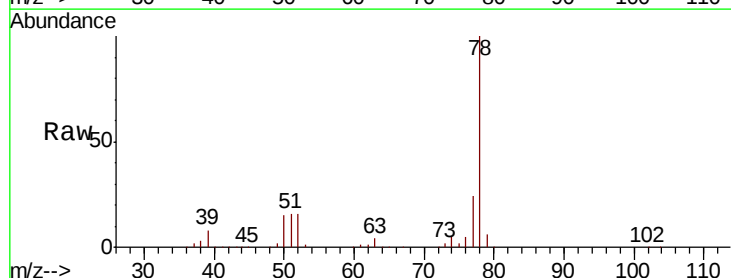
Manual Integrations
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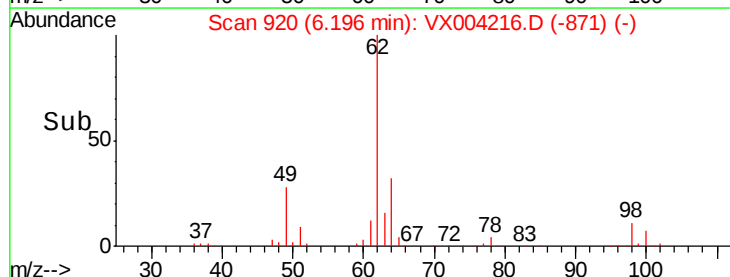
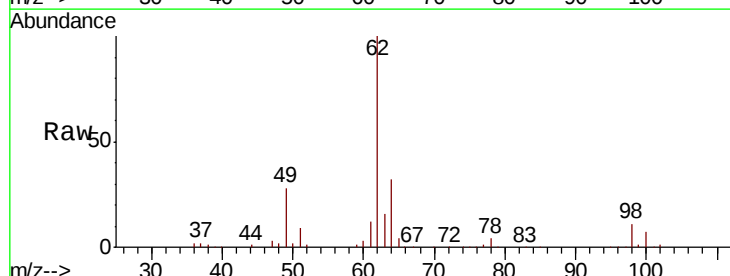
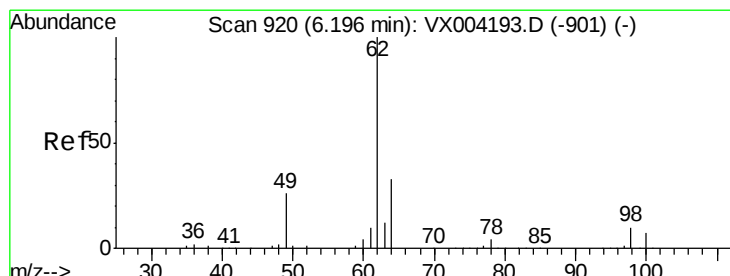
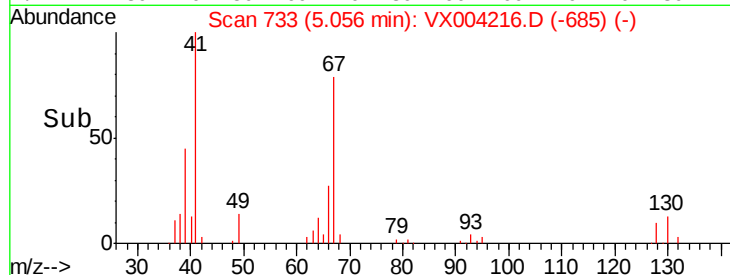
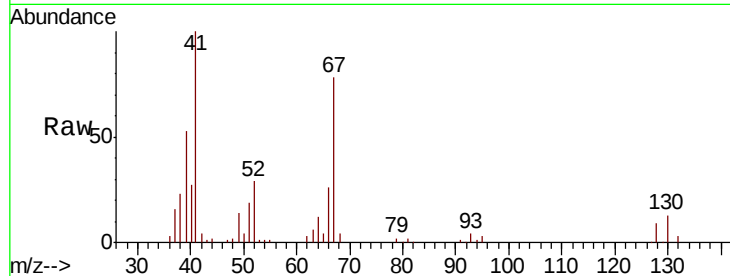
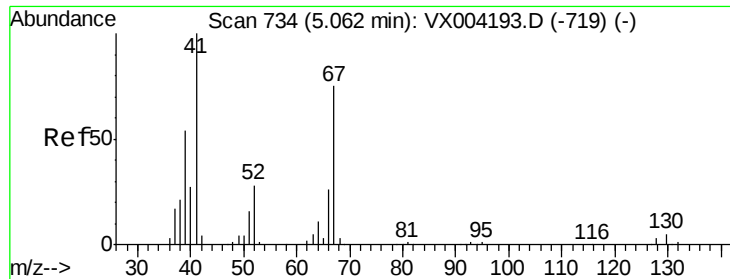
MMDadoda
8/24/2018 11:35:00 AM



#40
Benzene
Concen: 19.41 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

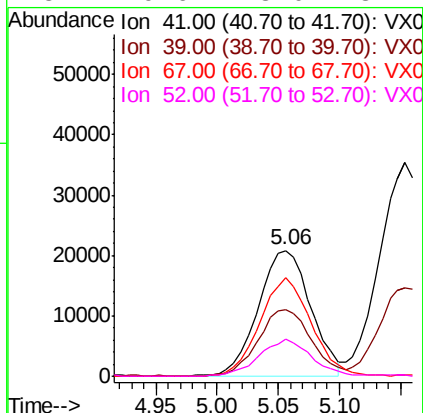
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.0	28.4	





#41
Methacrylonitrile
Concen: 18.42 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.4	63.6	
67	76.9	59.2	88.8	
52	29.6	23.0	34.4	



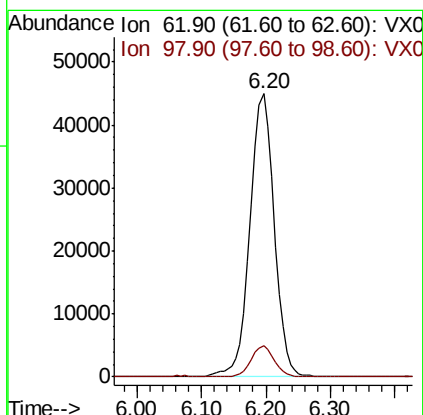
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

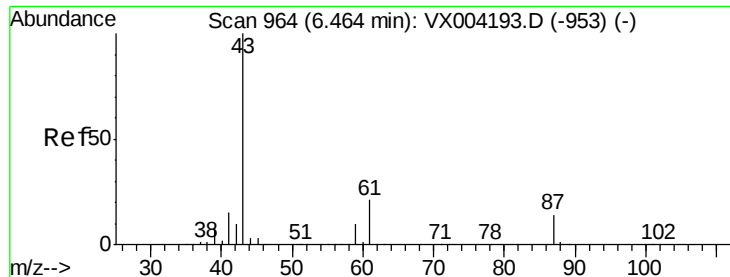
Manual Integrations
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8/24/2018 11:35:00 AM

#42
1,2-Dichloroethane
Concen: 19.22 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.6	





#43

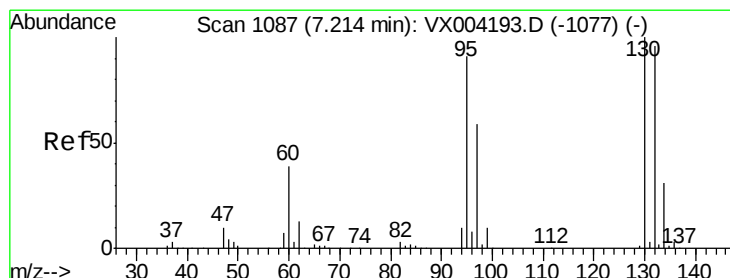
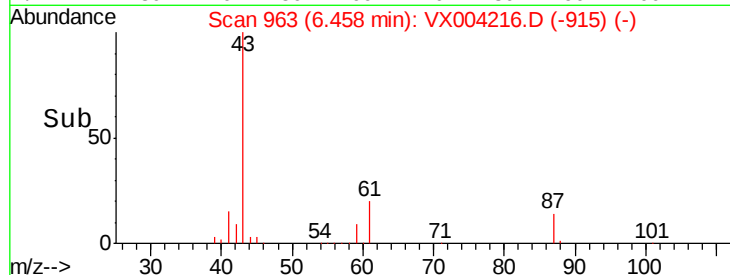
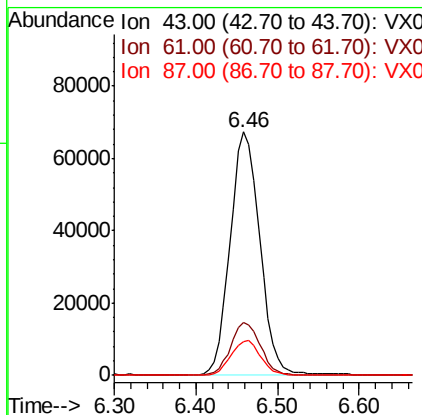
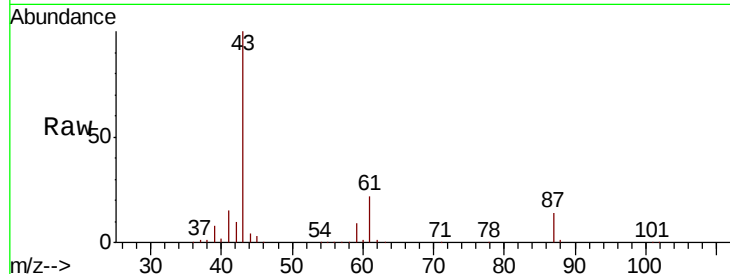
Isopropyl Acetate
 Concen: 18.89 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.0	25.4
87	14.3	11.4	17.2

Manual Integrations
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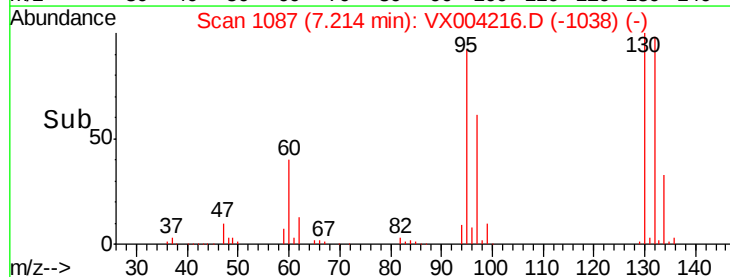
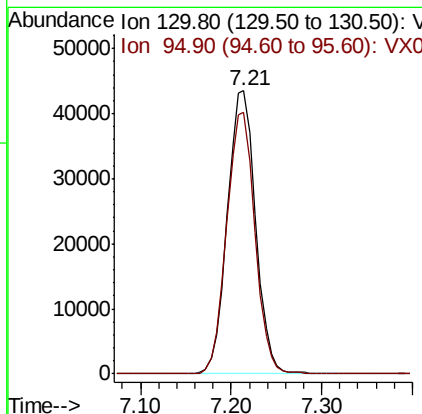
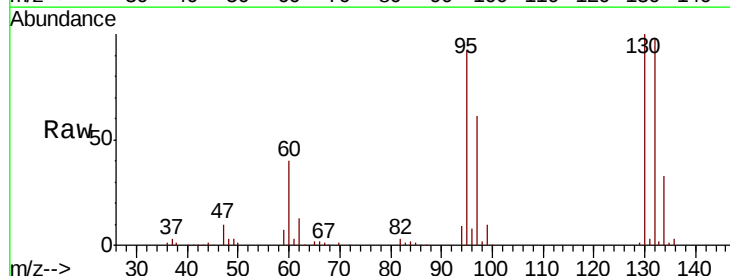
MMDadoda
 8/24/2018 11:35:00 AM

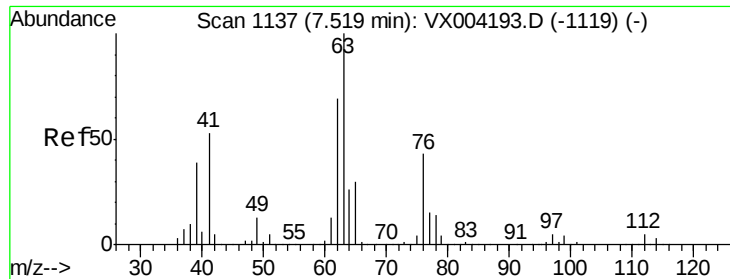


#44

Trichloroethene
 Concen: 19.21 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.53 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

Tot Ion: 63 Resp: 86498

Ion Ratio Lower Upper

63 100

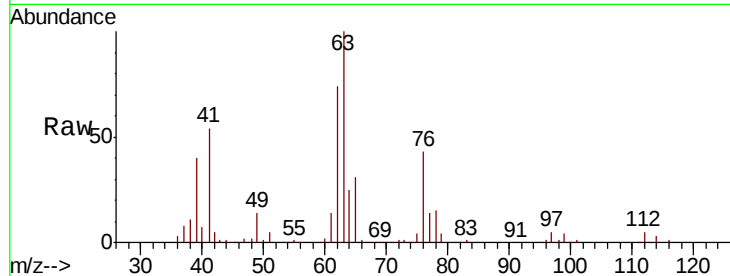
65 30.9 24.3 36.5

Manual Integrations

APPROVED

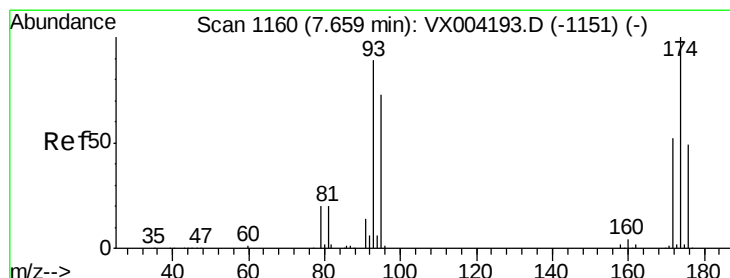
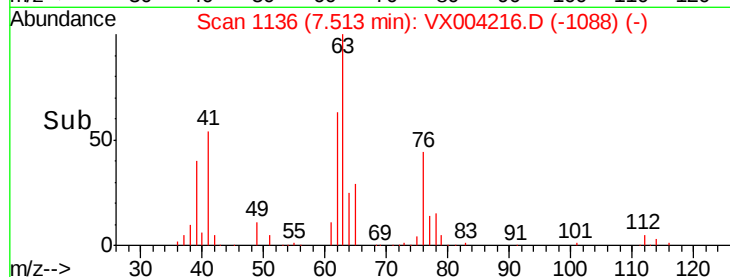
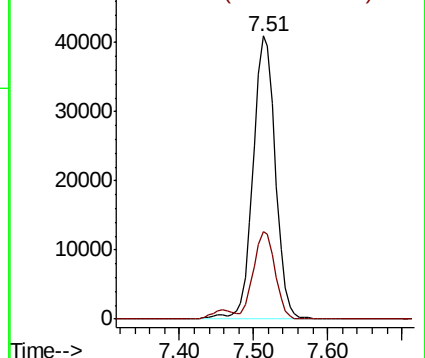
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.69 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

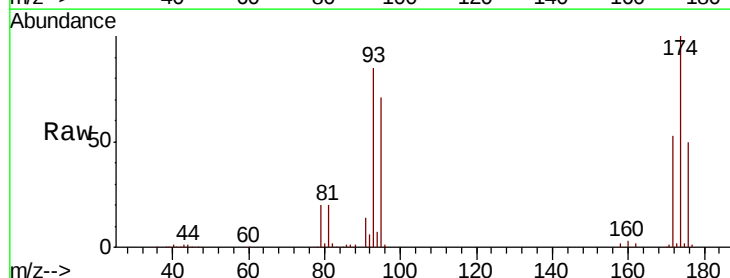
Tgt Ion: 93 Resp: 55121

Ion Ratio Lower Upper

93 100

95 84.6 65.5 98.3

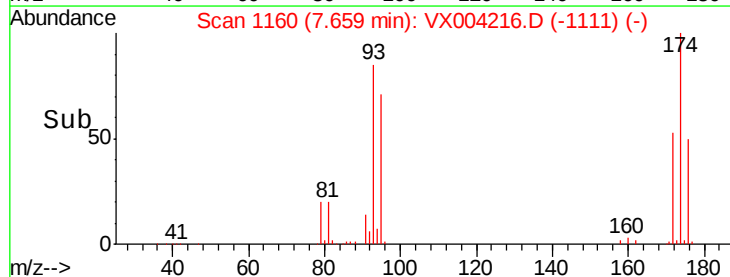
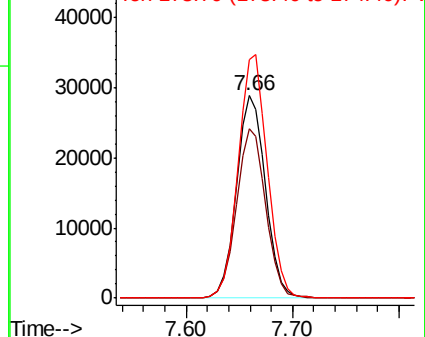
174 120.9 94.2 141.4

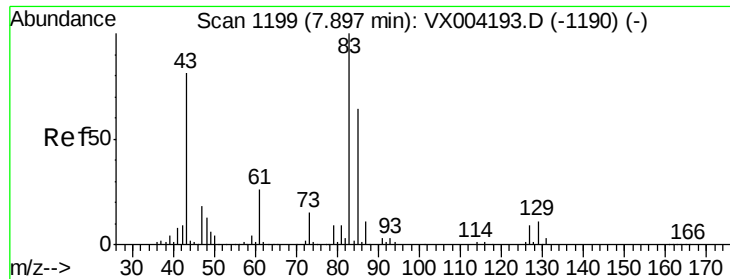


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.39 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

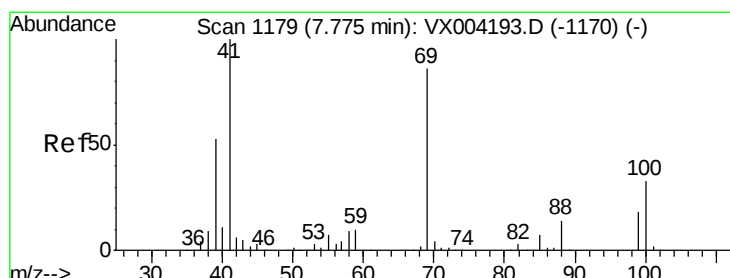
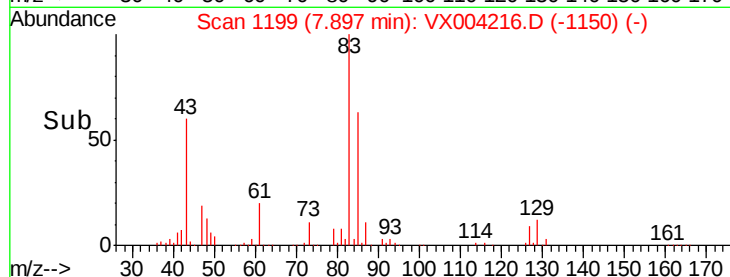
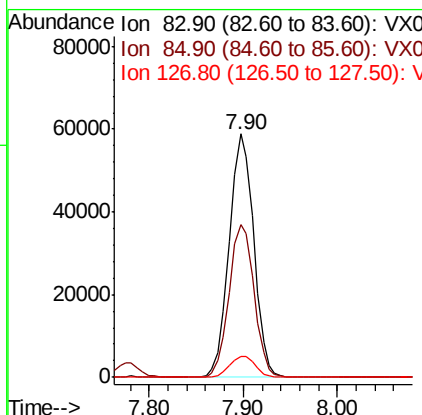
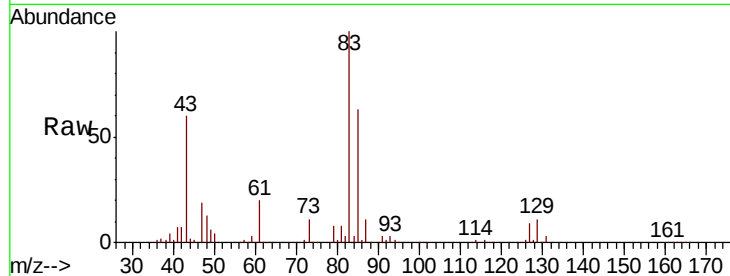
ClientSampleId :

VX0823WBS01

Tot Ion:	83	Resp:	106410
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.74 ug/l

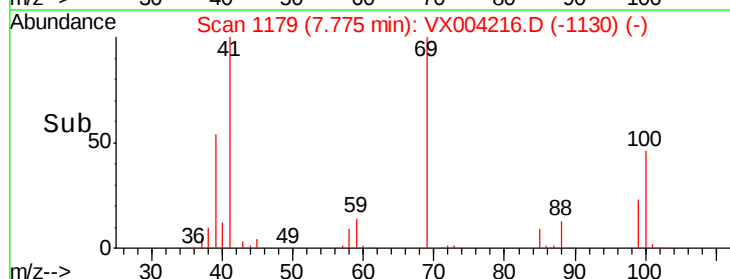
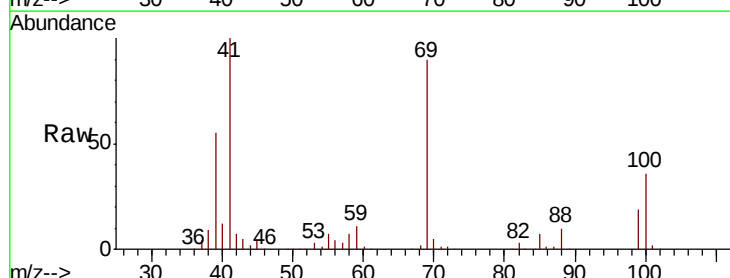
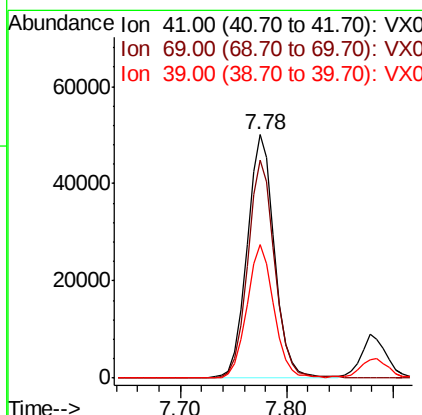
RT: 7.78 min Scan# 1179

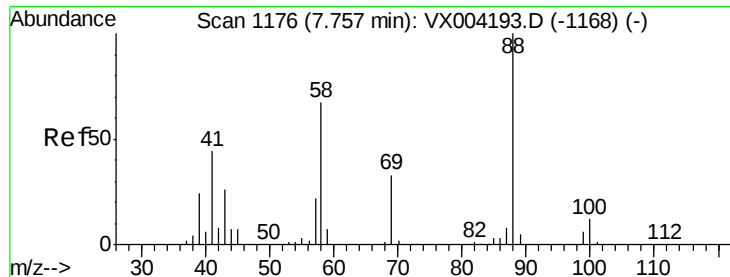
Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Tgt Ion:	41	Resp:	89781
Ion	Ratio	Lower	Upper
41	100		
69	89.2	70.2	105.4
39	54.0	42.7	64.1





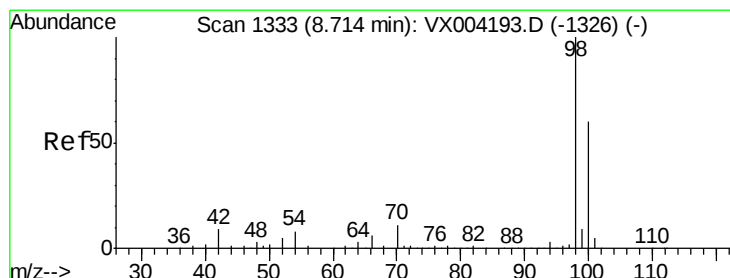
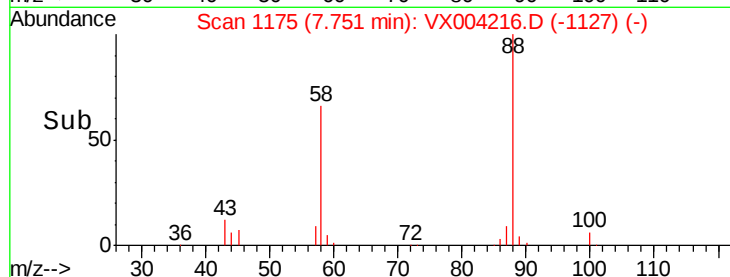
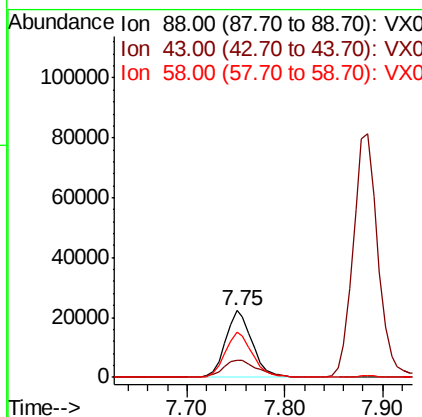
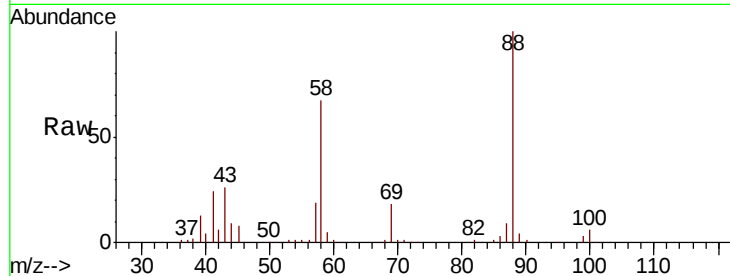
#49
1,4-Dioxane
Concen: 382.96 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	88	Resp	41649
Ion Ratio	100	Lower	Upper
88	100		
43	32.4	24.7	37.1
58	69.4	55.3	82.9

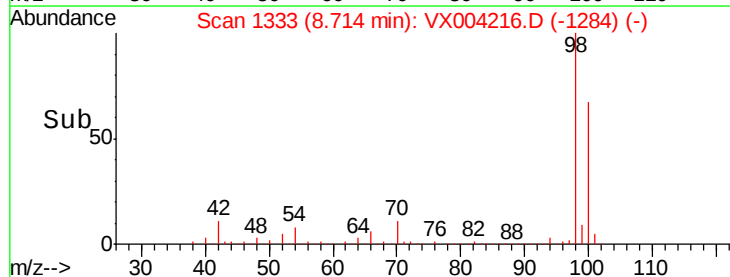
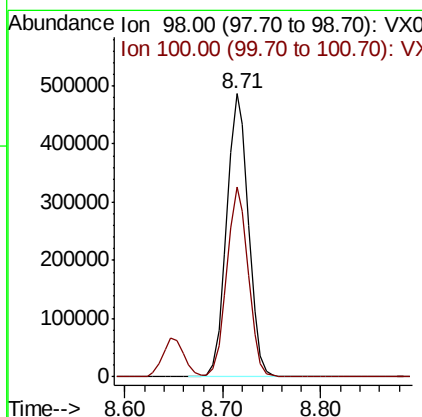
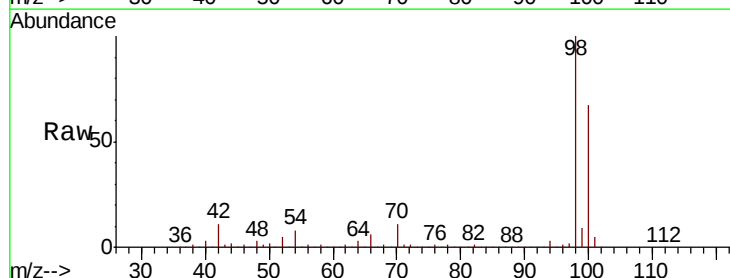
Manual Integrations
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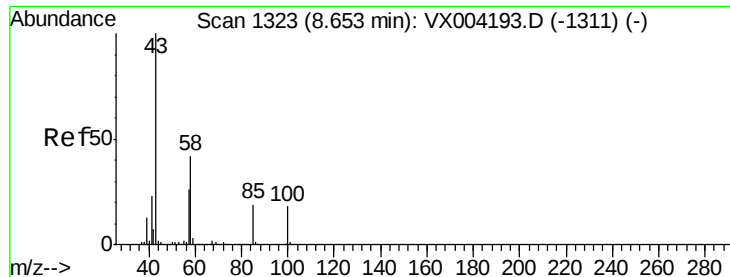
MMDadoda
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#50
Toluene-d8
Concen: 50.49 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	98	Resp	747124
Ion Ratio	100	Lower	Upper
98	100		
100	66.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 87.79 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion: 43 Resp: 570989

Ion Ratio Lower Upper

43 100

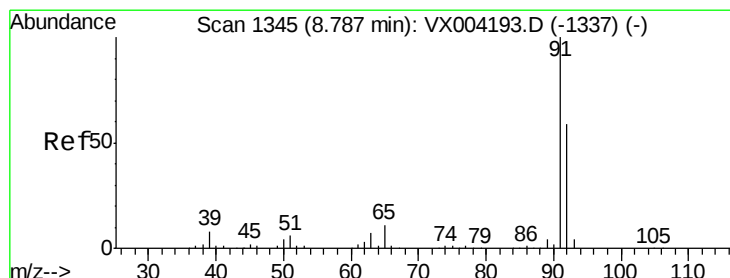
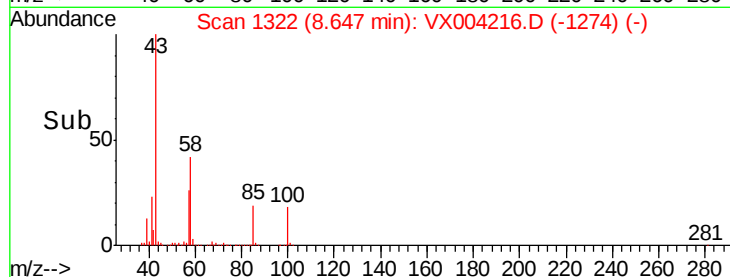
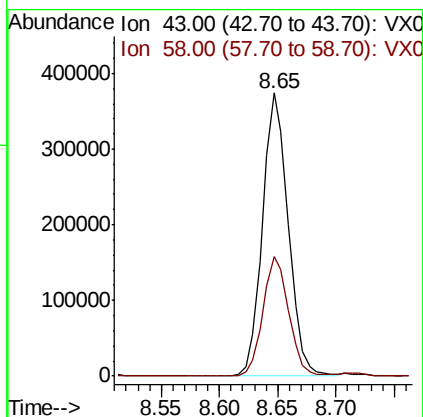
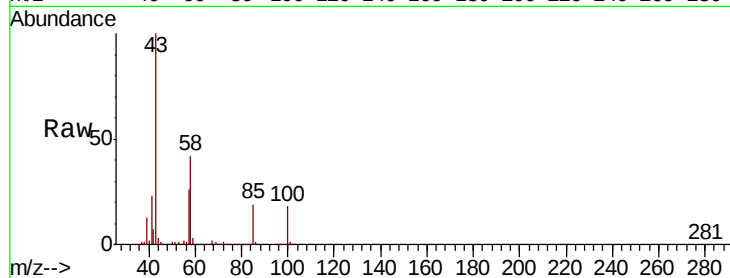
58 42.0 33.1 49.7

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#52

Toluene

Concen: 20.03 ug/l

RT: 8.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VX004216.D

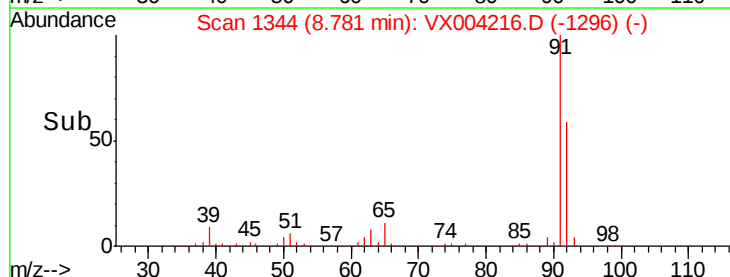
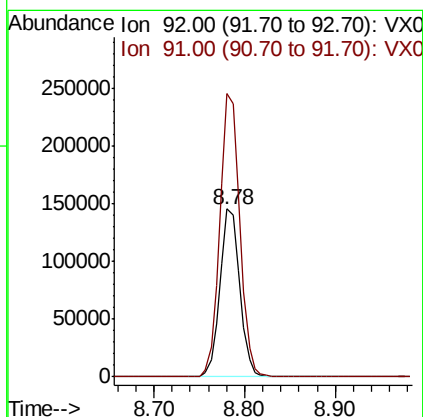
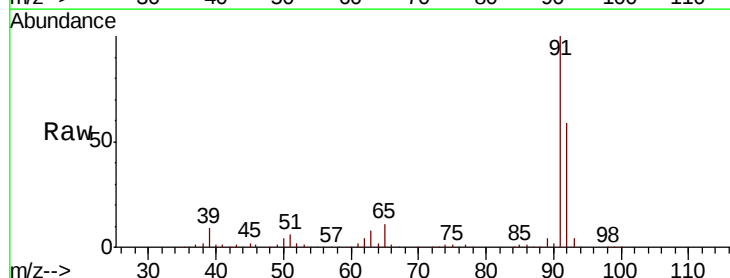
Acq: 23 Aug 2018 10:35

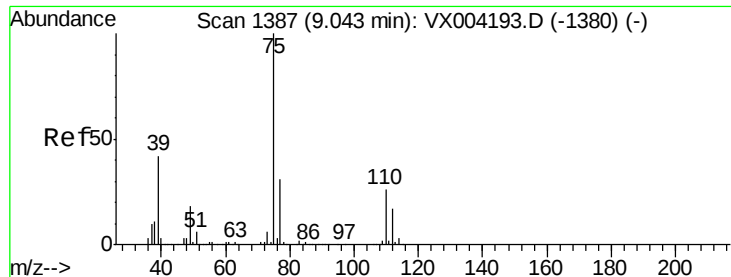
Tgt Ion: 92 Resp: 221930

Ion Ratio Lower Upper

92 100

91 169.7 136.4 204.6





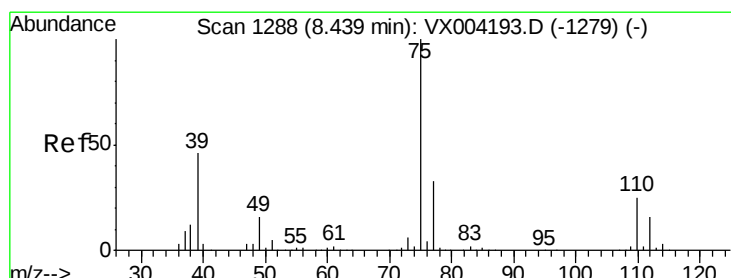
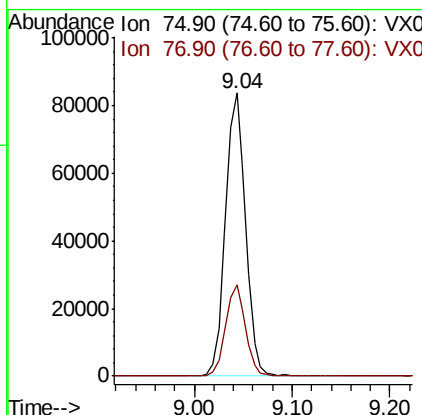
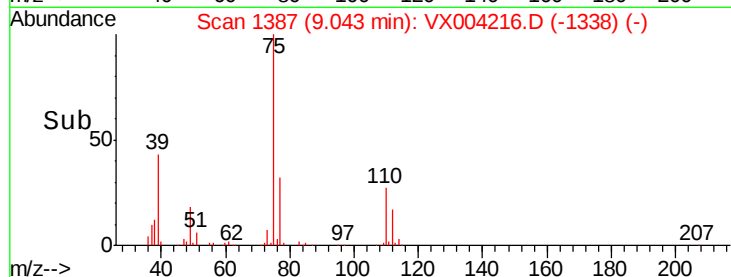
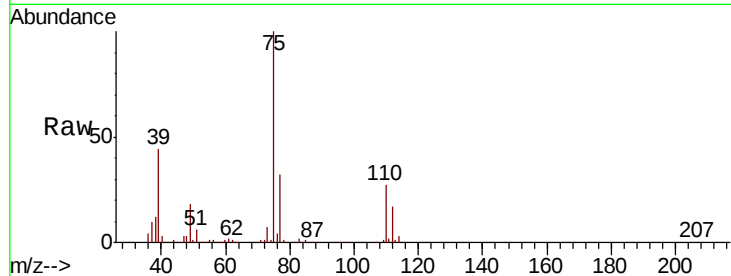
#53
t-1,3-Dichloropropene
Concen: 19.65 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion: 75 Resp: 119137
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0

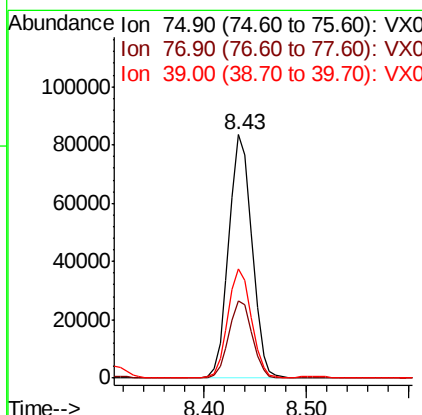
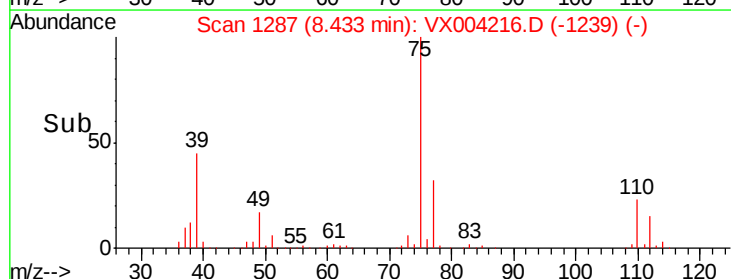
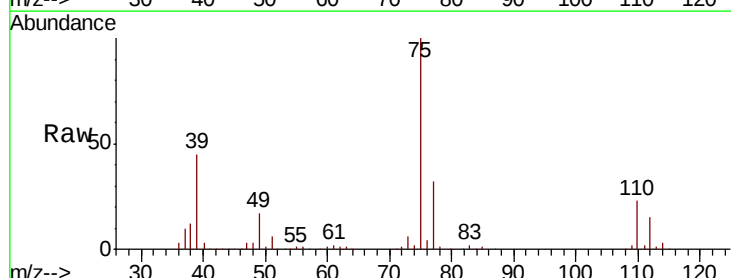
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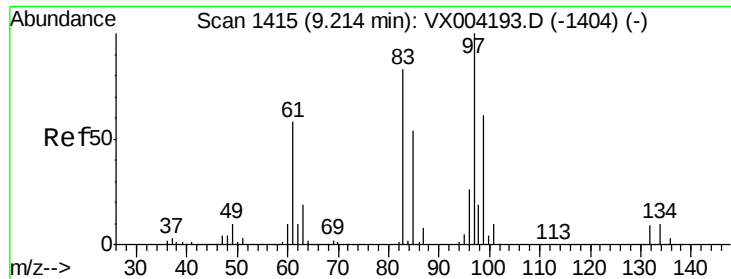
MMDadoda
8/24/2018 11:35:00 AM



#54
cis-1,3-Dichloropropene
Concen: 19.85 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 75 Resp: 131091
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2
39 44.9 36.4 54.6





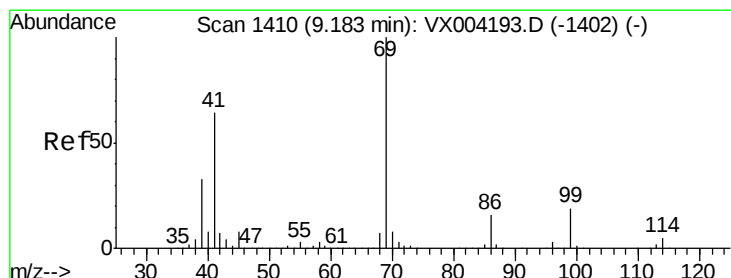
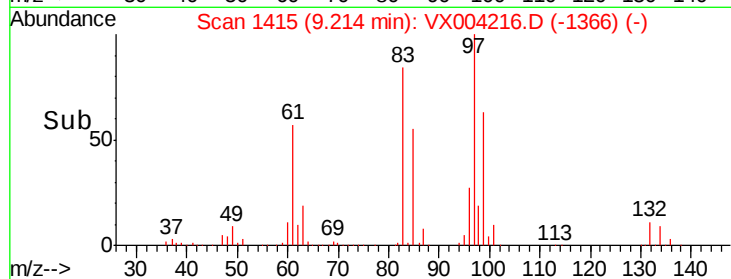
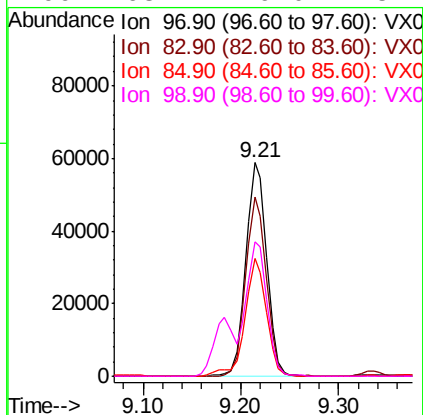
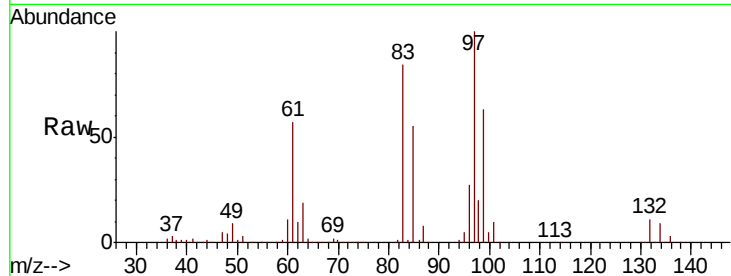
#55
 1,1,2-Trichloroethane
 Concen: 19.49 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion:	97	Resp:	87181
Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.4	99.6
85	54.9	43.3	64.9
99	63.1	49.0	73.4

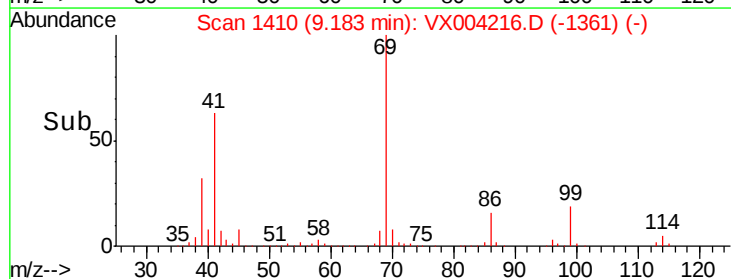
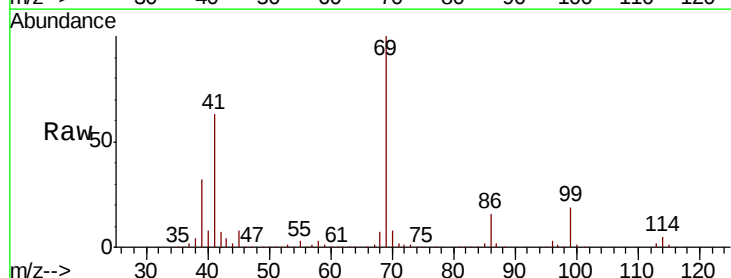
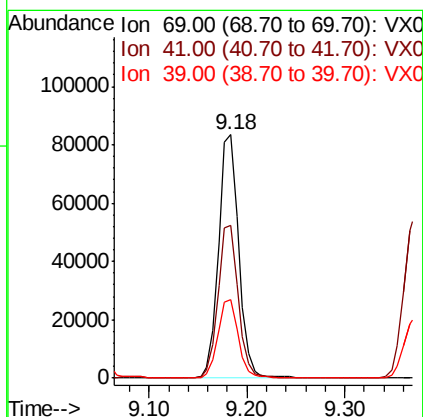
Manual Integrations
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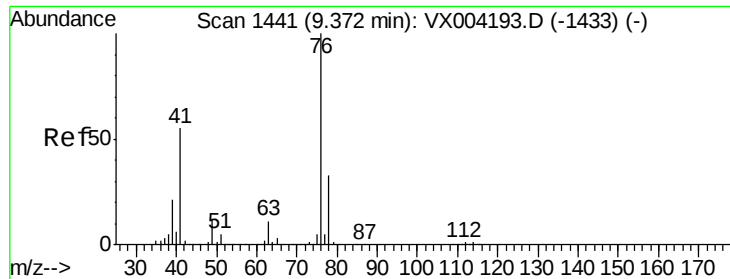
MMDadoda
 8/24/2018 11:35:00 AM



#56
 Ethyl methacrylate
 Concen: 19.70 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion:	69	Resp:	119974
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	32.2	26.1	39.1





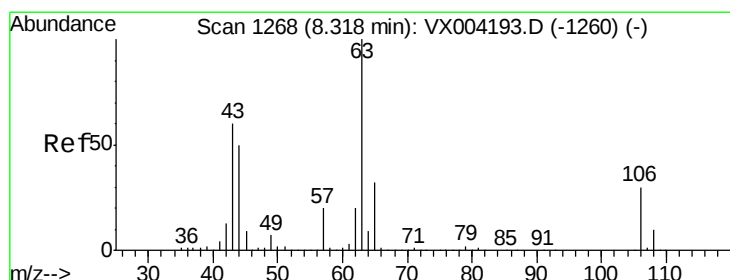
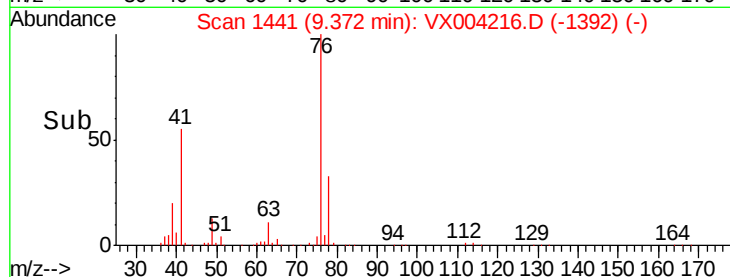
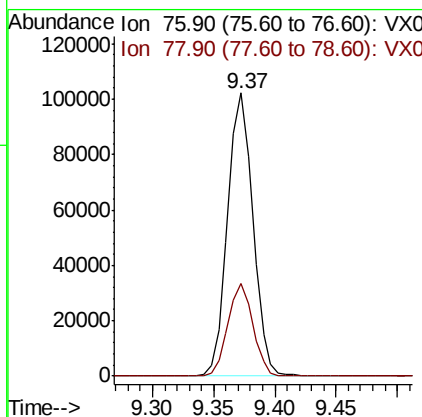
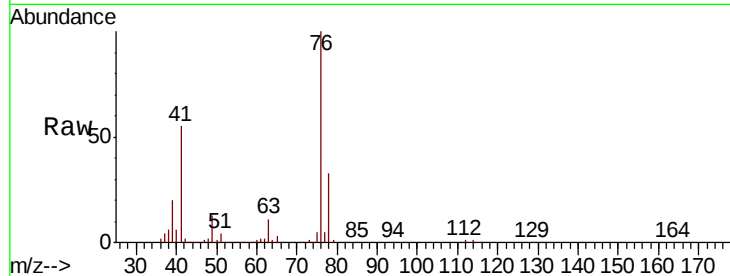
#57
 1,3-Dichloropropane
 Concen: 19.47 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion: 76 Resp: 146787
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

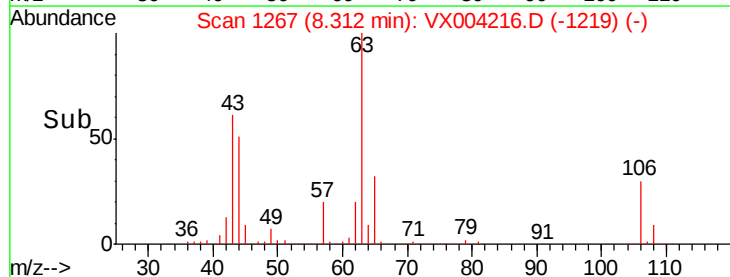
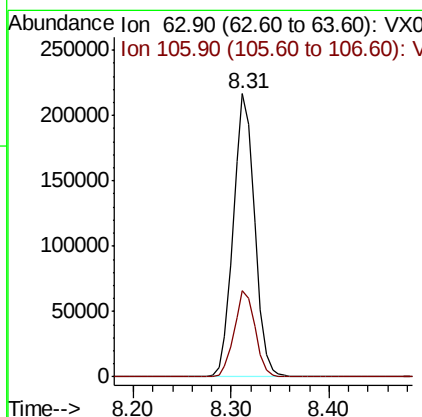
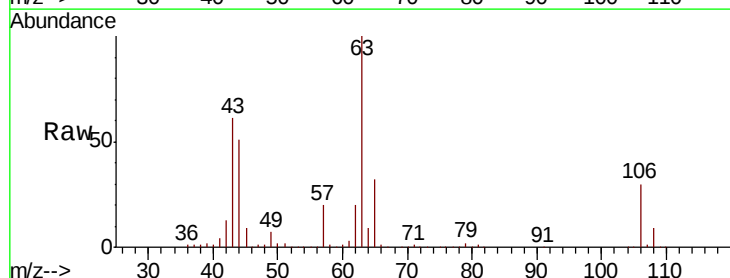
Manual Integrations
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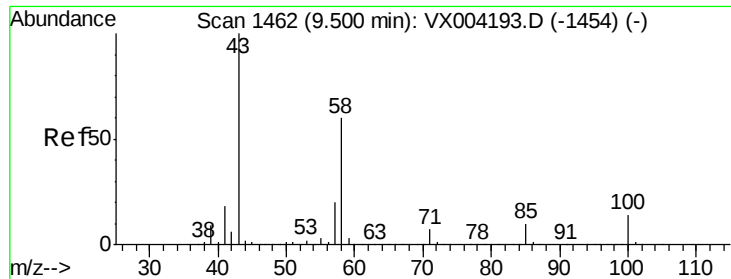
MMDadoda
 8/24/2018 11:35:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.23 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion: 63 Resp: 328282
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.9 35.9





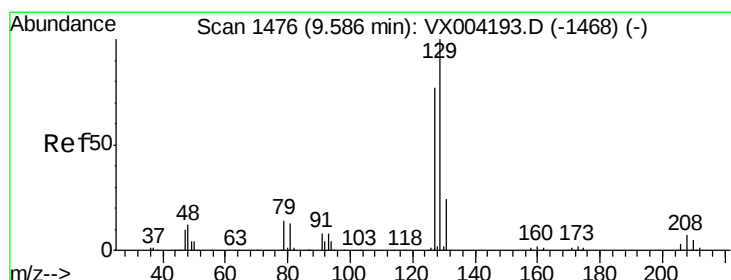
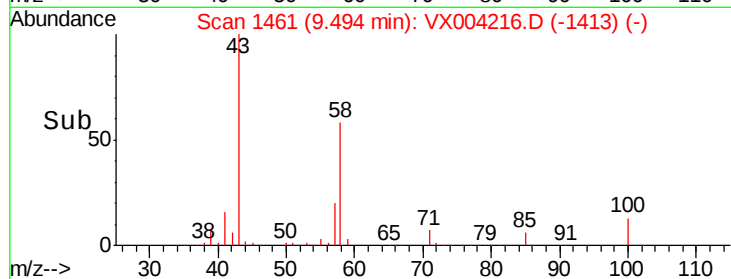
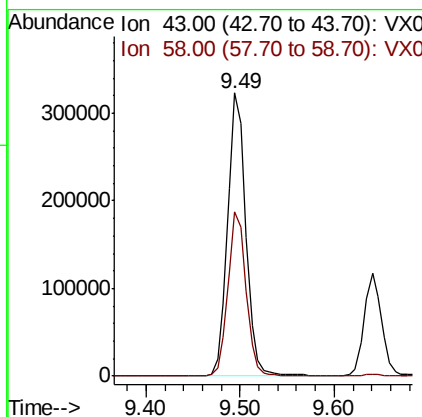
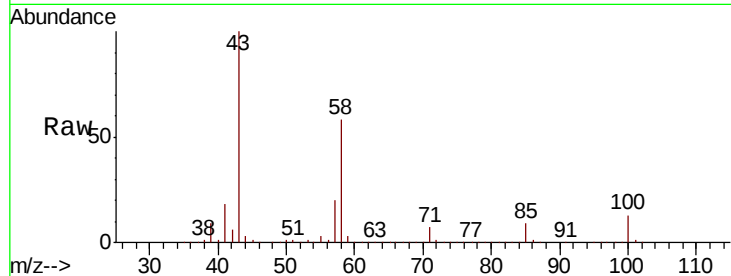
#59
2-Hexanone
Concen: 87.86 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion: 43 Resp: 435987
Ion Ratio Lower Upper
43 100
58 58.0 29.0 87.0

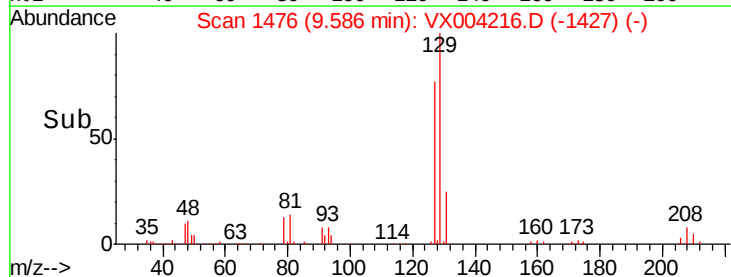
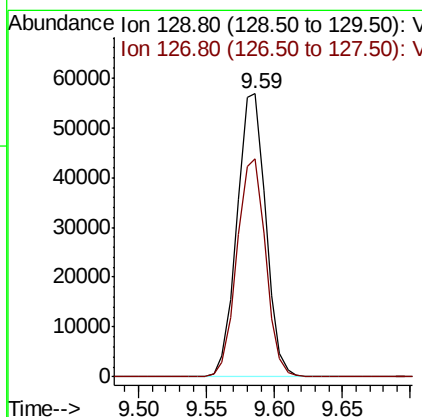
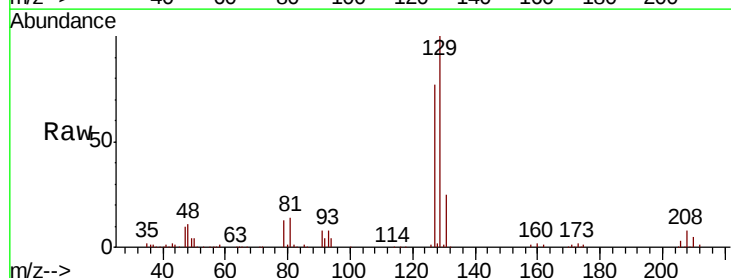
Manual Integrations
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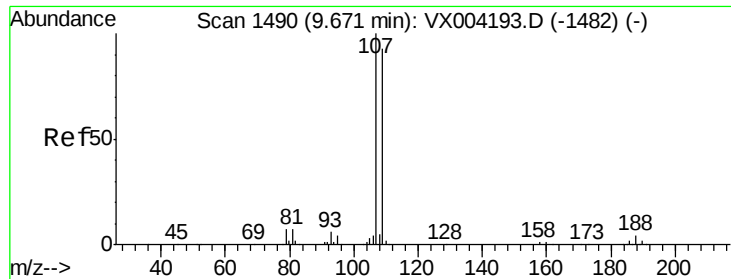
MMDadoda
8/24/2018 11:35:00 AM



#60
Dibromochloromethane
Concen: 19.21 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 129 Resp: 83727
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.65 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion:107 Resp: 90944

Ion Ratio Lower Upper

107 100

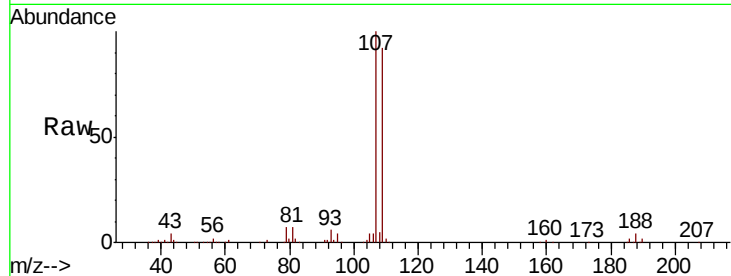
109 93.4 76.0 114.0

Manual Integrations

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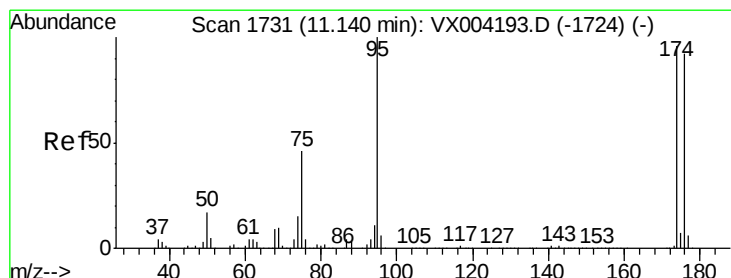
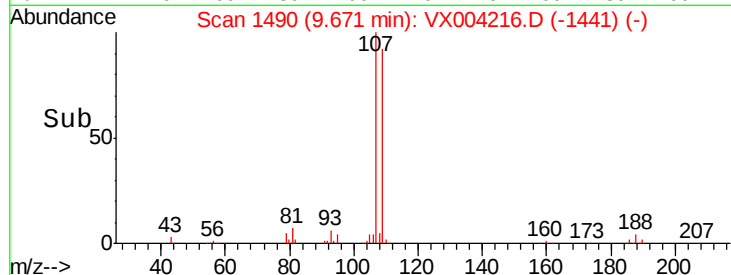
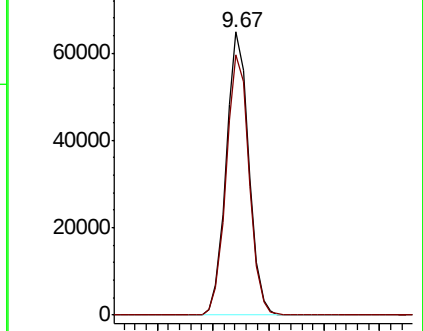
MMDadoda

8/24/2018 11:35:00 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

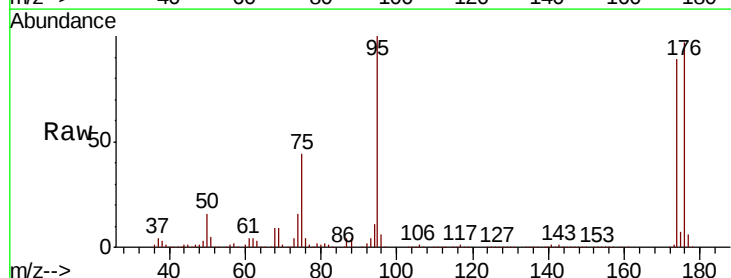
Tgt Ion: 95 Resp: 267603

Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.2

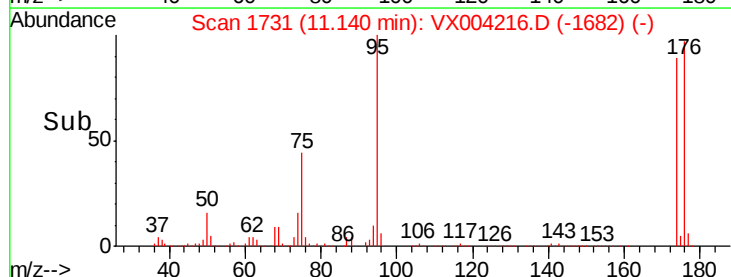
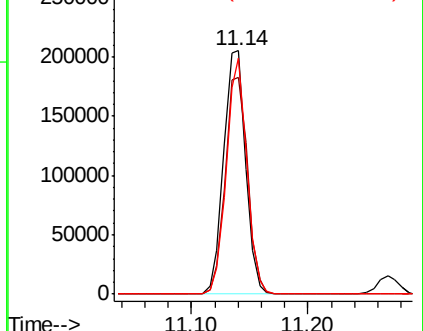
176 90.4 0.0 178.6

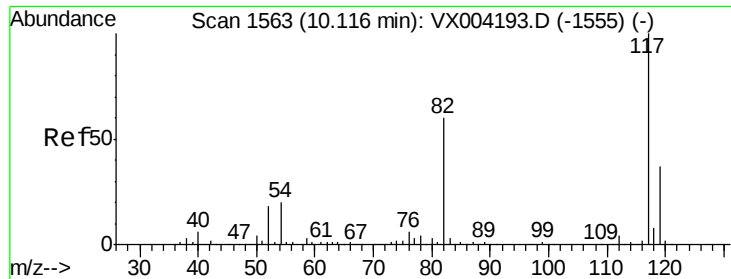


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





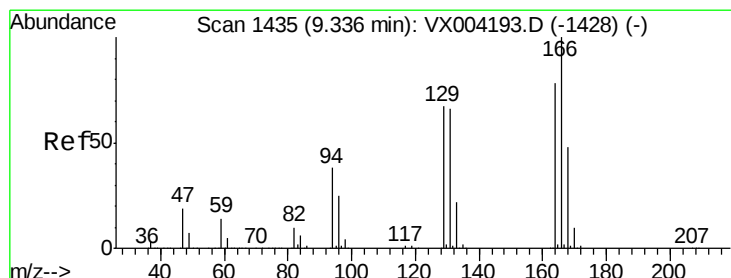
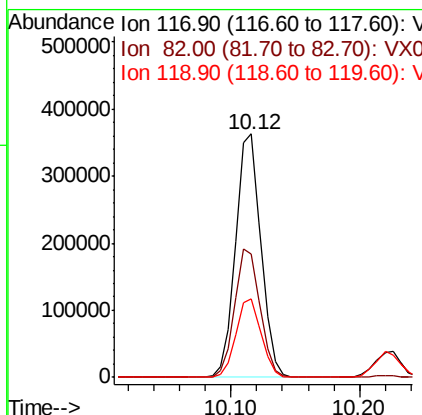
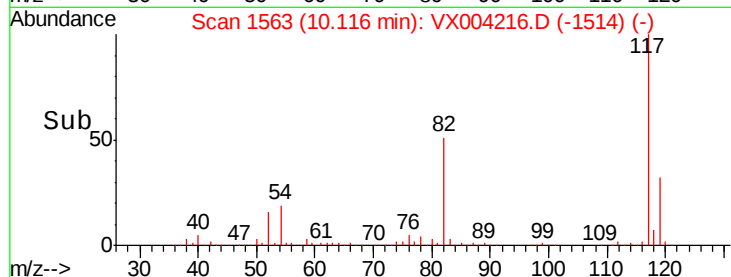
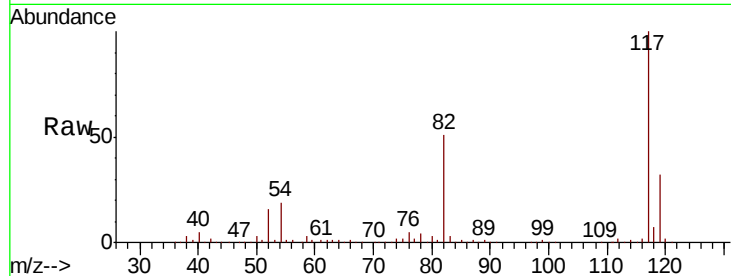
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	47.8	71.6
119	32.5	29.3	43.9

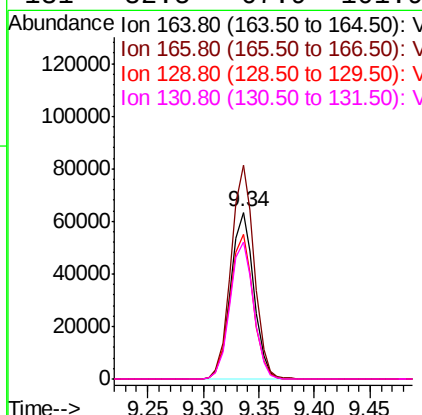
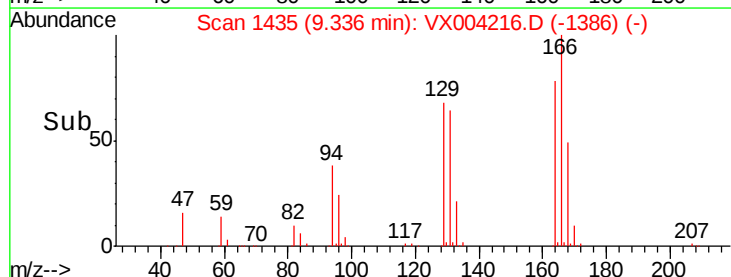
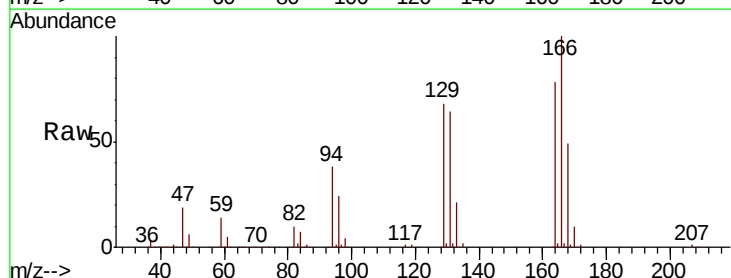
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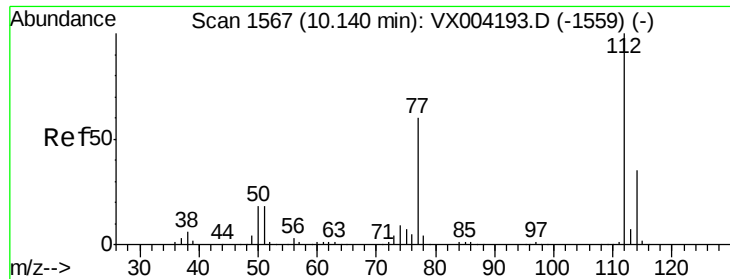
MMDadoda
8/24/2018 11:35:00 AM



#64
Tetrachloroethene
Concen: 18.52 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.8	154.2
129	87.2	69.4	104.0
131	82.5	67.9	101.9





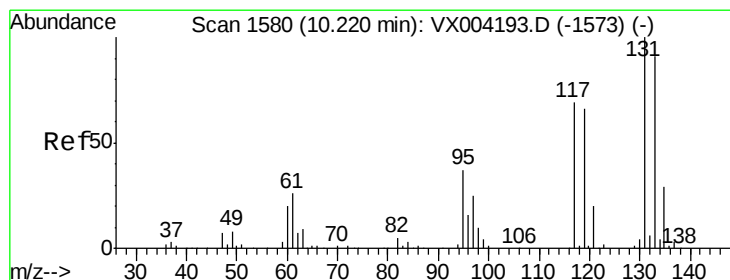
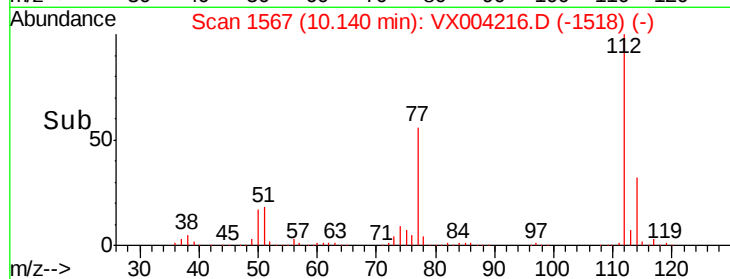
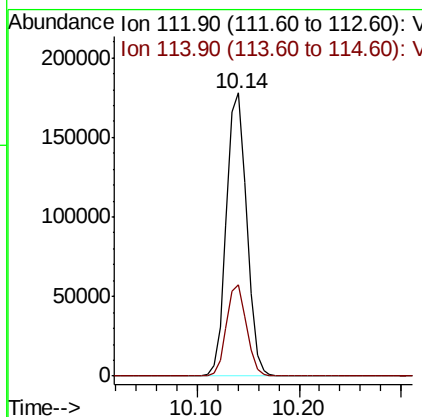
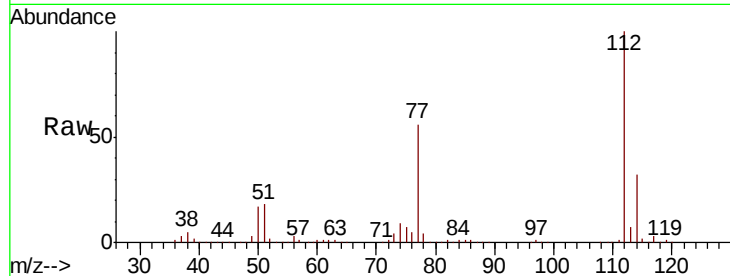
#65
Chlorobenzene
Concen: 19.61 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampled :
VX0823WBS01

Tot Ion:112 Resp: 244793
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

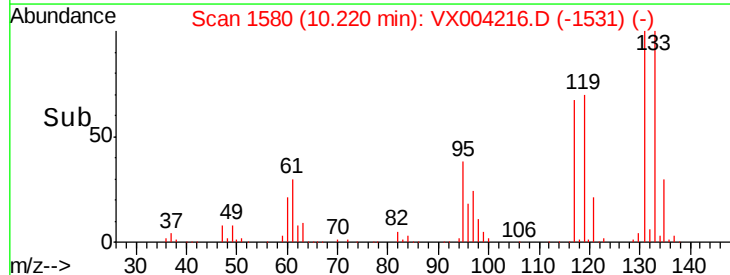
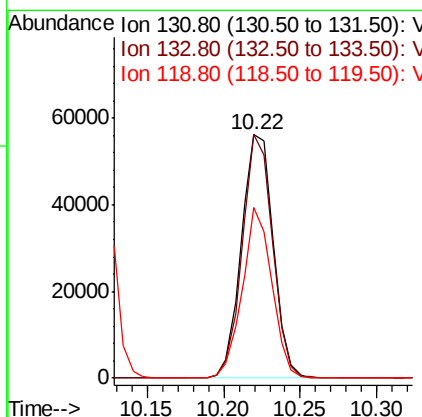
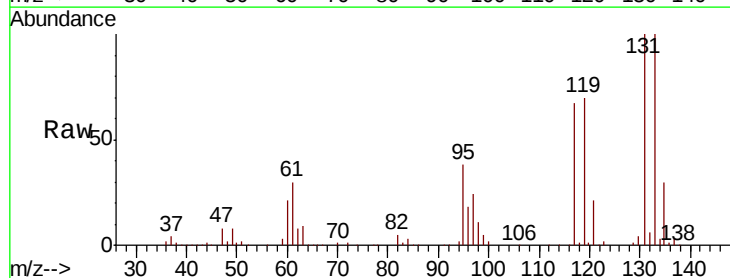
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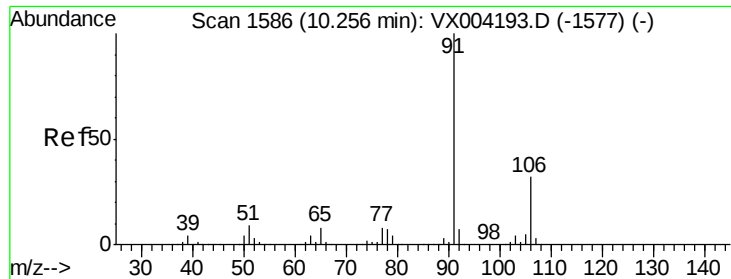
MMDadoda
8/24/2018 11:35:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.82 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion:131 Resp: 81019
Ion Ratio Lower Upper
131 100
133 95.0 48.1 144.4
119 64.9 32.9 98.6





#67

Ethyl Benzene

Concen: 19.17 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion: 91 Resp: 388727

Ion Ratio Lower Upper

91 100

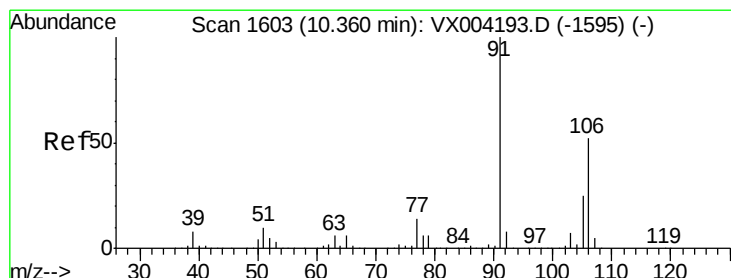
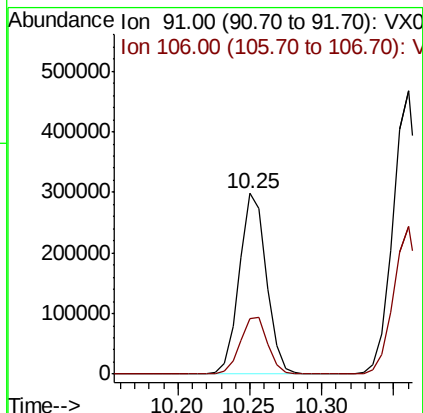
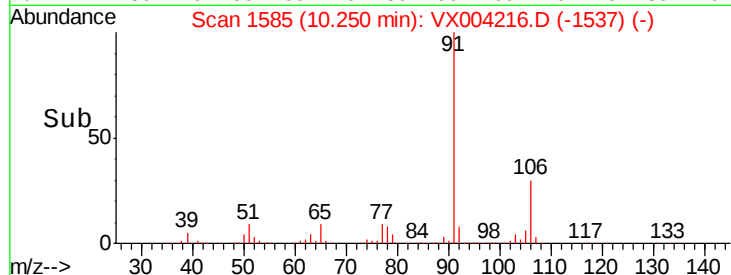
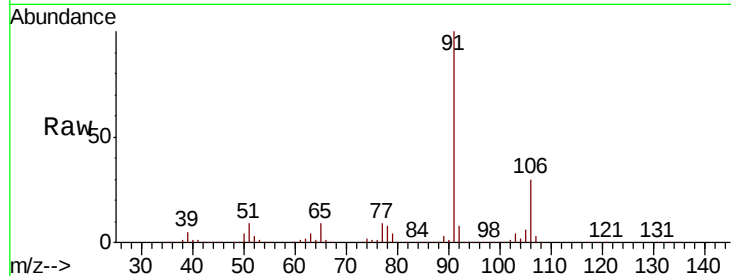
106 30.5 25.9 38.9

Manual Integrations

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MMDadoda

8/24/2018 11:35:00 AM



#68

m/p-Xylenes

Concen: 39.48 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004216.D

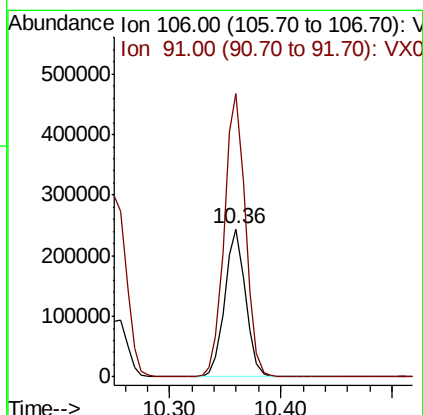
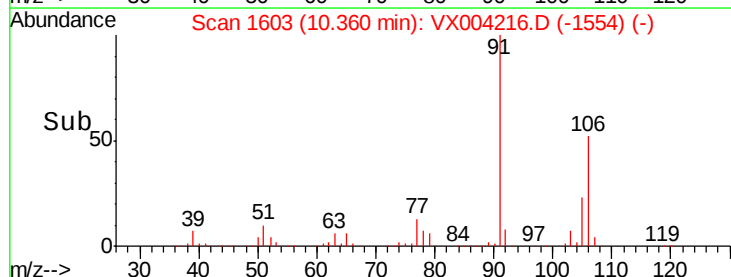
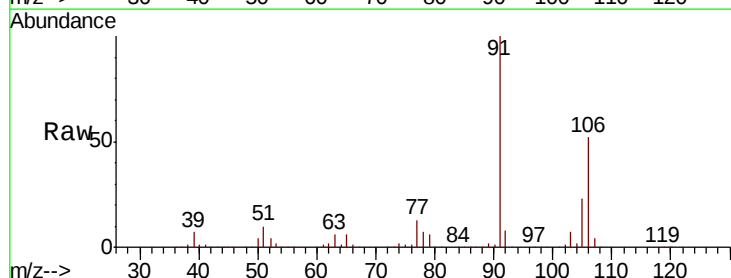
Acq: 23 Aug 2018 10:35

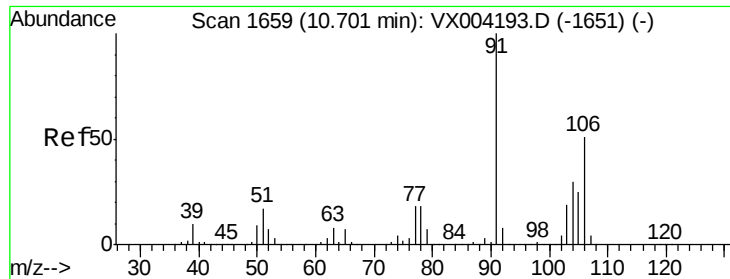
Tgt Ion: 106 Resp: 313011

Ion Ratio Lower Upper

106 100

91 195.5 157.1 235.7





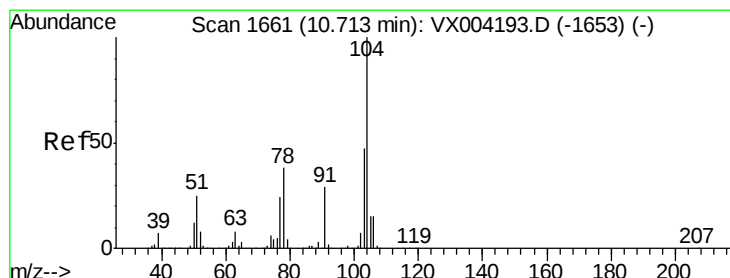
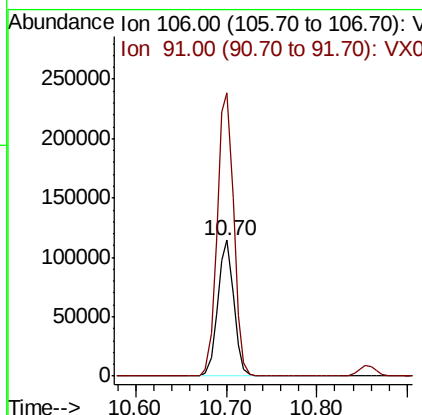
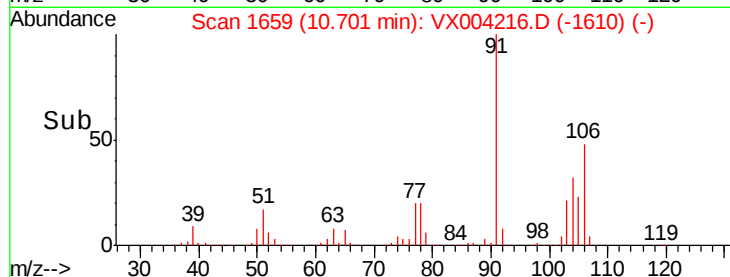
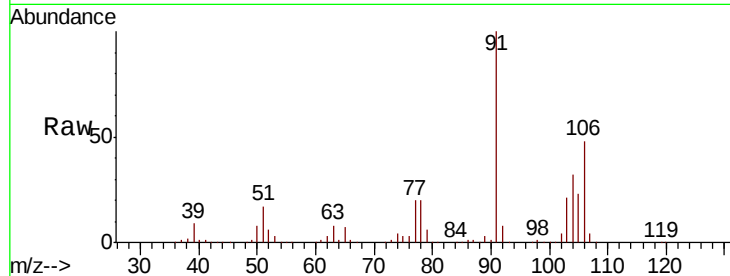
#69
o-Xylene
Concen: 18.87 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampled :
VX0823WBS01

Tot Ion:106 Resp: 141523
Ion Ratio Lower Upper
106 100
91 216.4 105.1 315.1

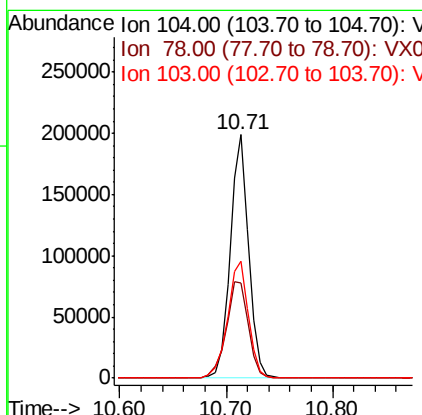
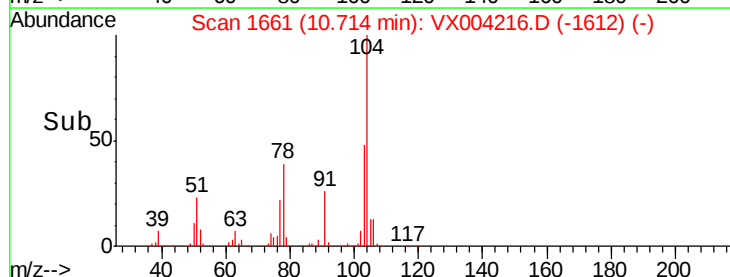
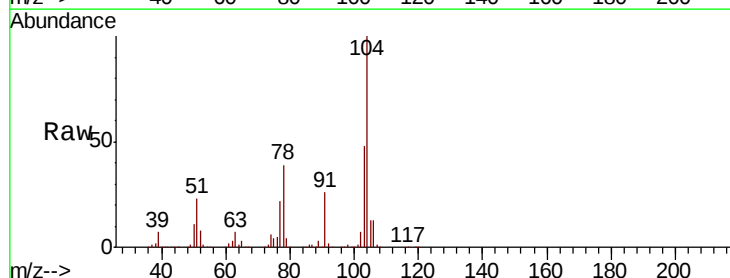
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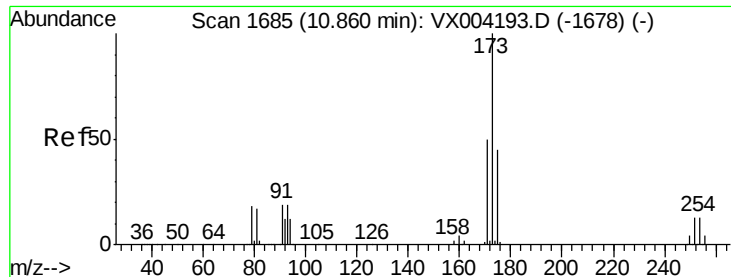
MMDadoda
8/24/2018 11:35:00 AM



#70
Styrene
Concen: 19.84 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion:104 Resp: 240850
Ion Ratio Lower Upper
104 100
78 47.5 37.4 56.0
103 54.1 43.8 65.6





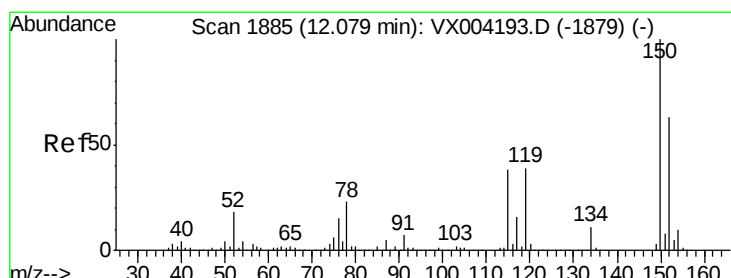
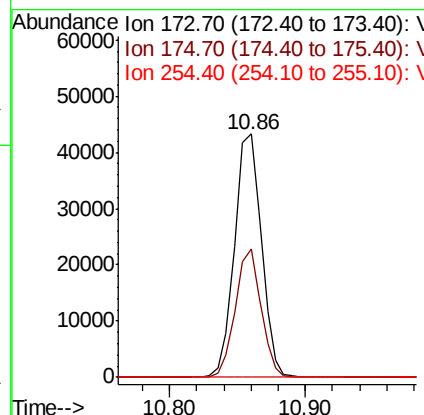
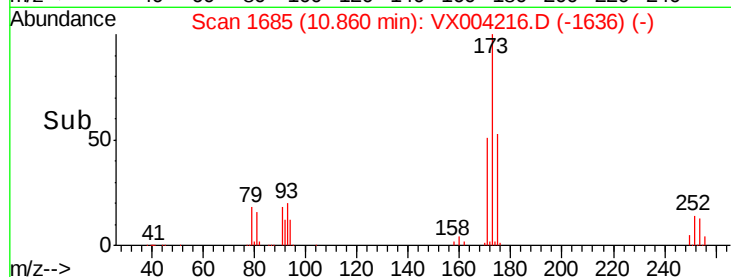
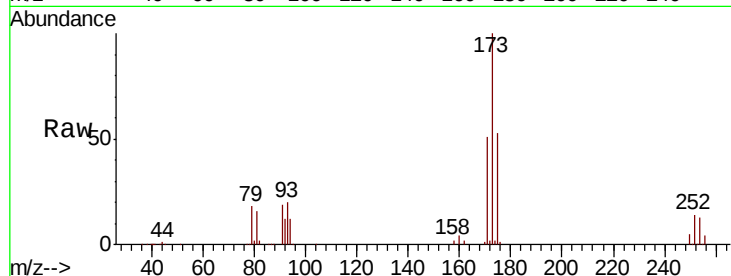
#71
Bromoform
Concen: 17.20 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.1	72.3
254	0.1	0.2	0.2#

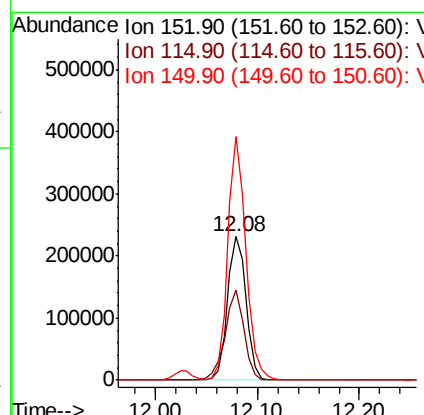
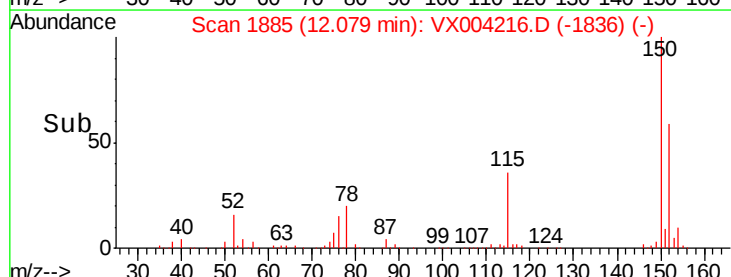
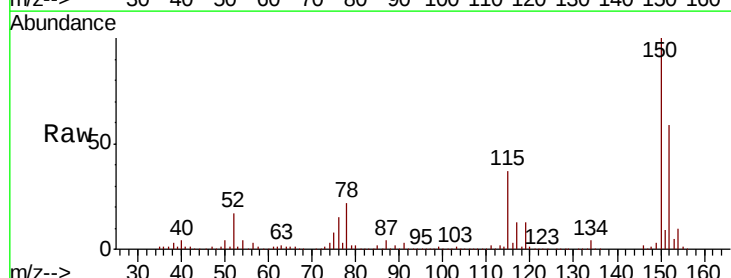
Manual Integrations
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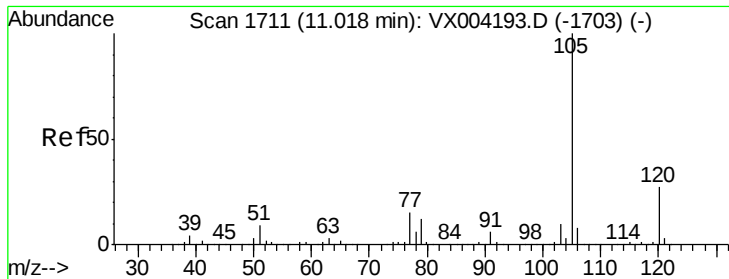
MMDadoda
8/24/2018 11:35:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	39.0	117.0
150	166.3	0.0	351.0





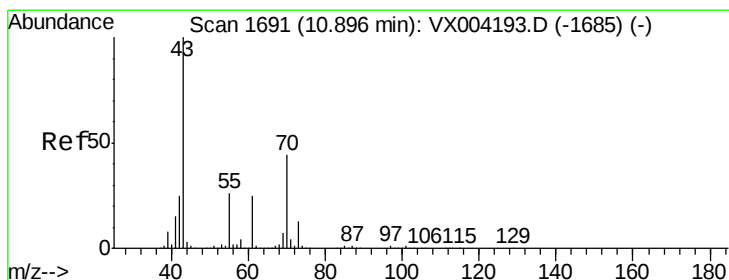
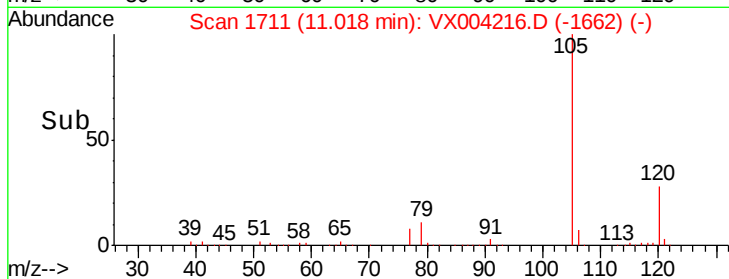
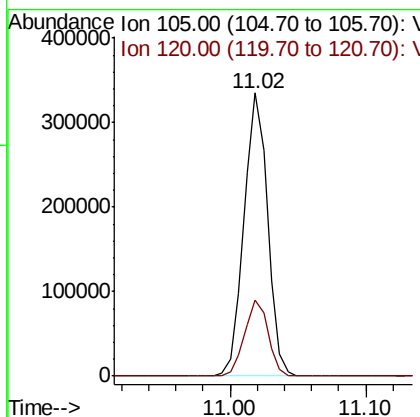
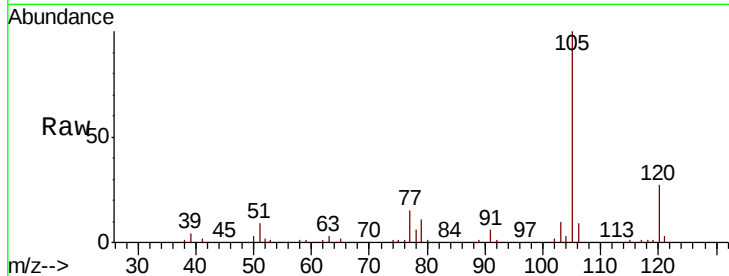
#73
Isopropylbenzene
Concen: 21.33 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion: 105 Resp: 406720
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

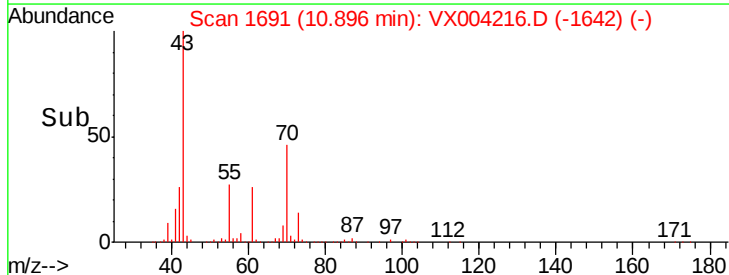
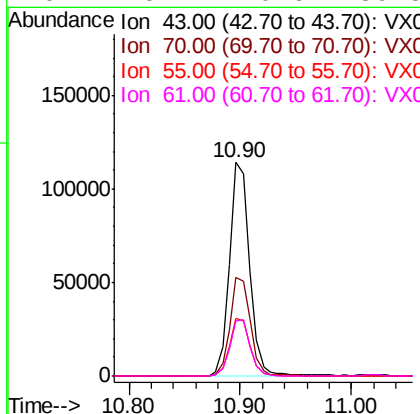
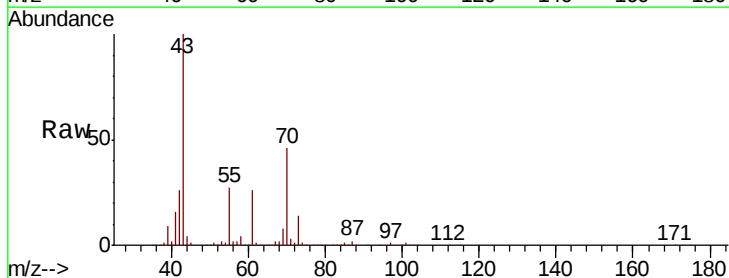
Manual Integrations
APPROVED

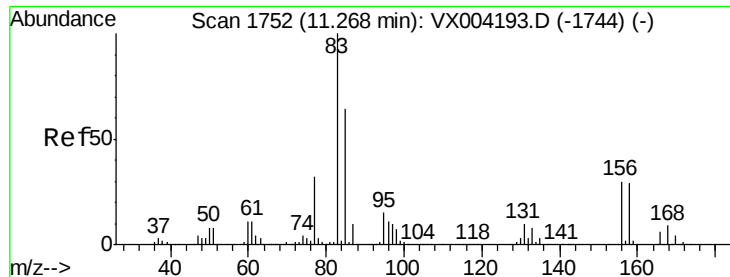
MMDadoda
8/24/2018 11:35:00 AM



#74
N-ethyl acetate
Concen: 19.35 ug/l
RT: 10.90 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion: 43 Resp: 142044
Ion Ratio Lower Upper
43 100
70 47.3 37.4 56.0
55 27.6 21.8 32.8
61 26.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.17 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion: 83 Resp: 121250
Ion Ratio Lower Upper

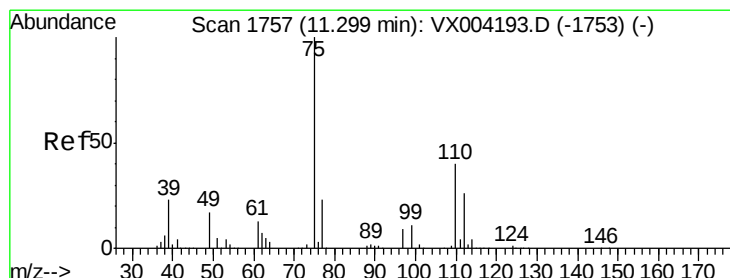
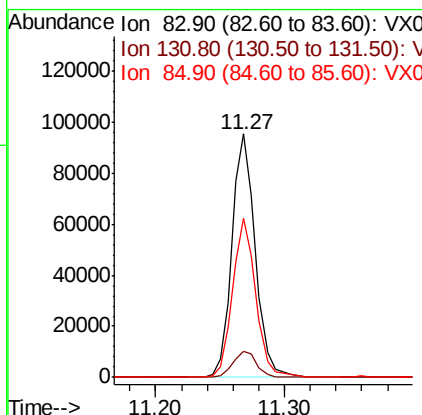
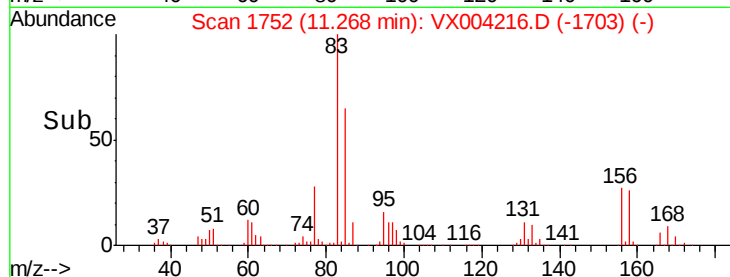
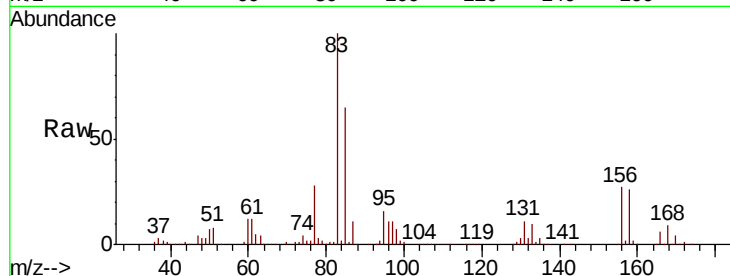
83 100

131 10.9 5.2 15.6

85 64.5 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.58 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

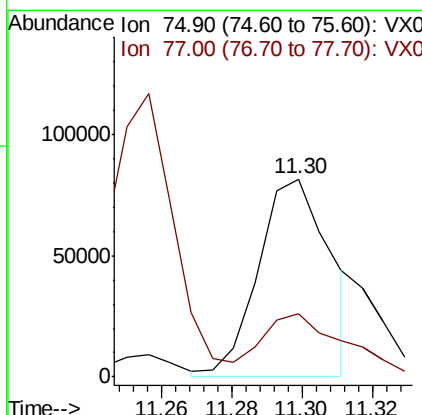
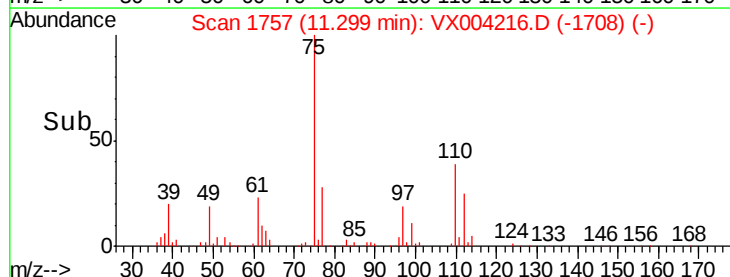
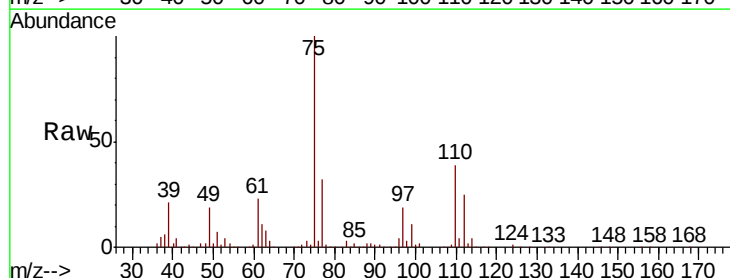
Lab File: VX004216.D

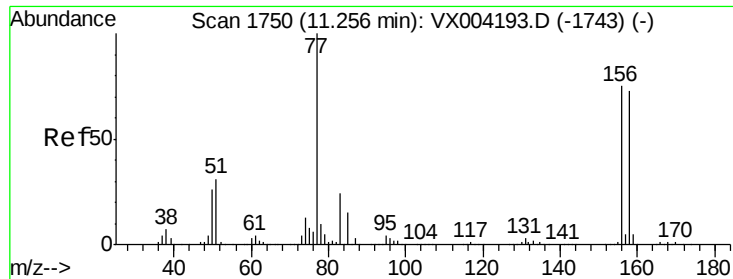
Acq: 23 Aug 2018 10:35

Tgt Ion: 75 Resp: 115585
Ion Ratio Lower Upper

75 100

77 37.0 20.2 60.6





#77

Bromobenzene

Concen: 19.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

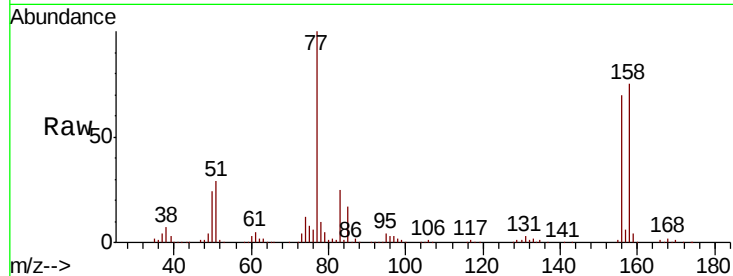
ClientSampleId :

VX0823WBS01

Tot Ion:	156	Resp:	102331
Ion Ratio	Lower	Upper	
156	100		
77	147.0	71.5	214.3
158	100.0	48.9	146.8

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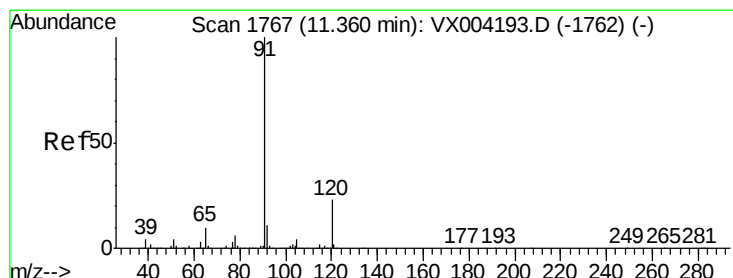
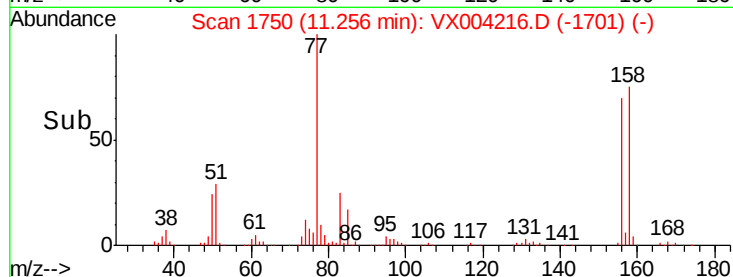
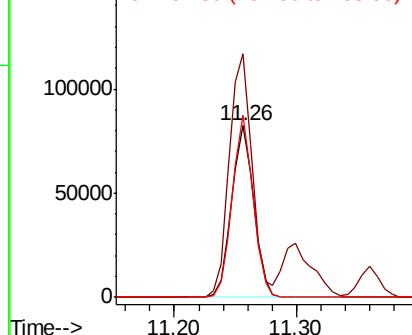


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.35 ug/l

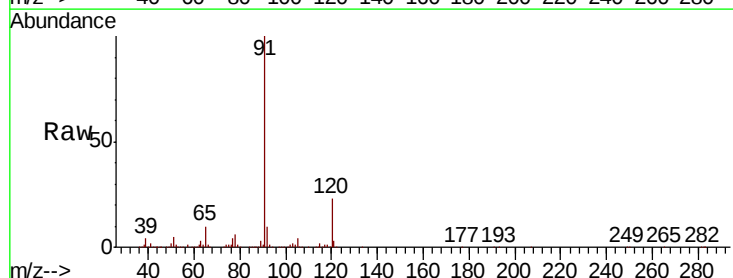
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

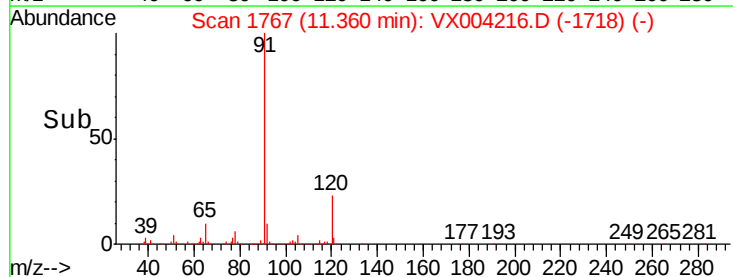
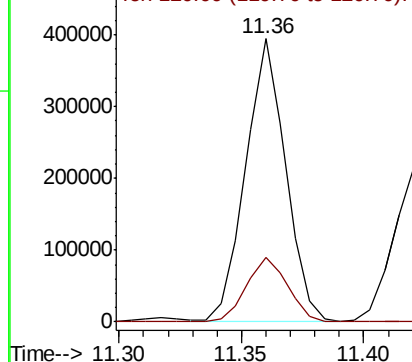
Tgt Ion:	91	Resp:	446174
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9

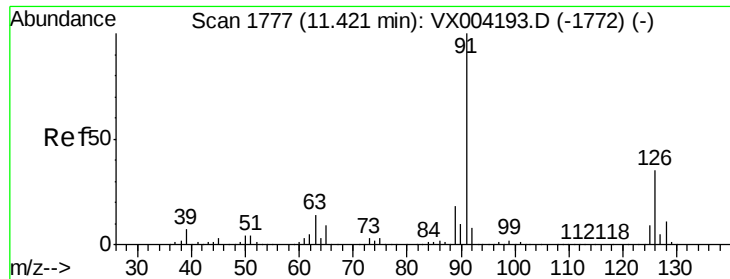


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.43 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

Tot Ion: 91 Resp: 262196

Ion Ratio Lower Upper

91 100

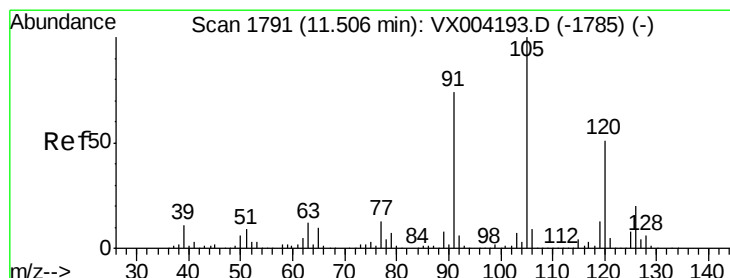
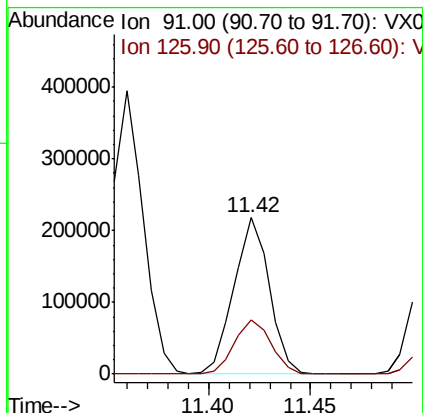
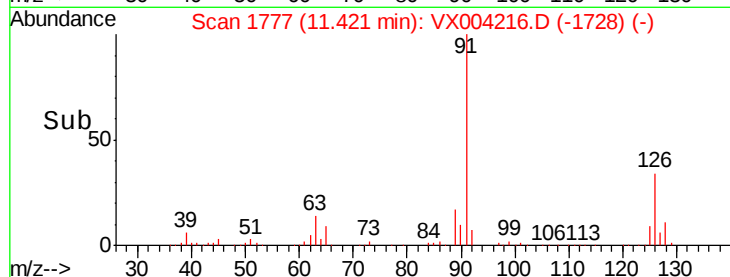
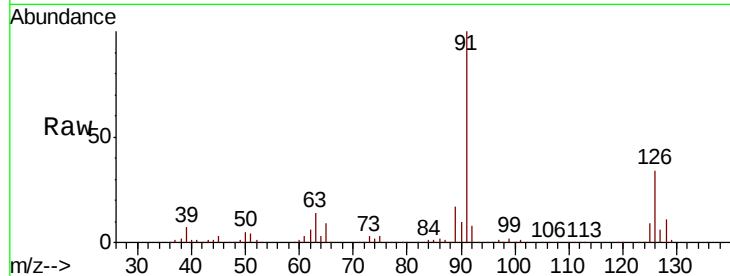
126 36.0 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.06 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004216.D

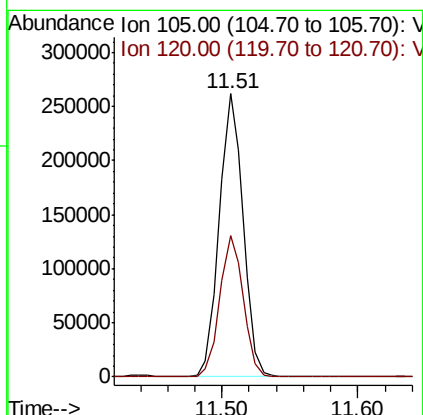
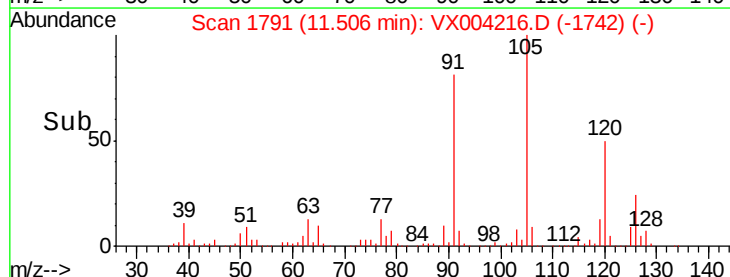
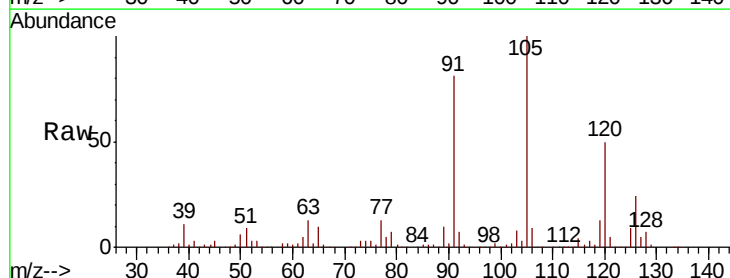
Acq: 23 Aug 2018 10:35

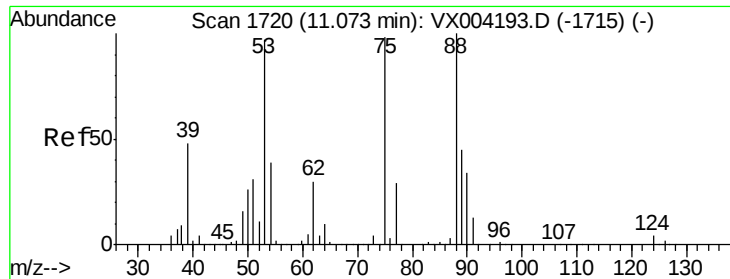
Tgt Ion: 105 Resp: 316662

Ion Ratio Lower Upper

105 100

120 49.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.82 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBS01

Tot Ion: 75 Resp: 34254

Ion Ratio Lower Upper

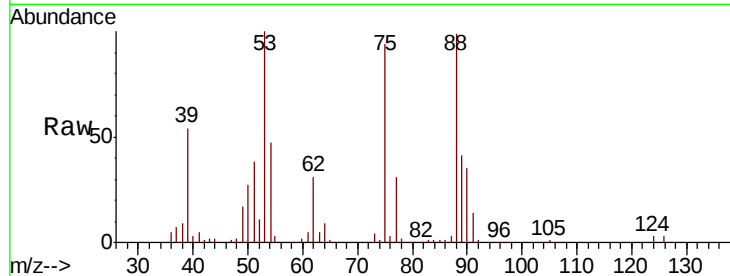
75 100

53 103.3 80.1 120.1

89 45.2 37.2 55.8

Manual Integrations
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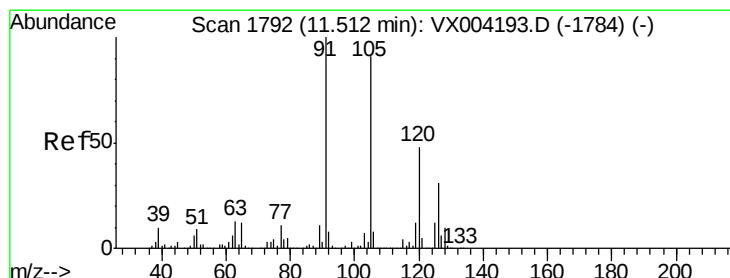
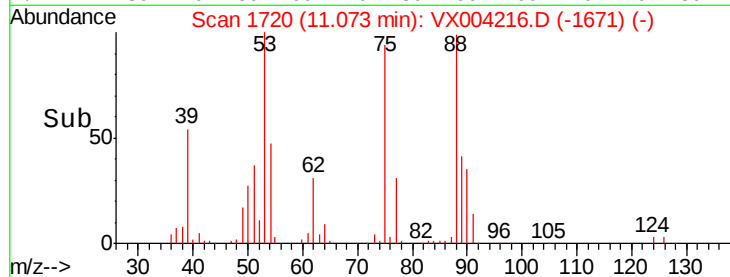
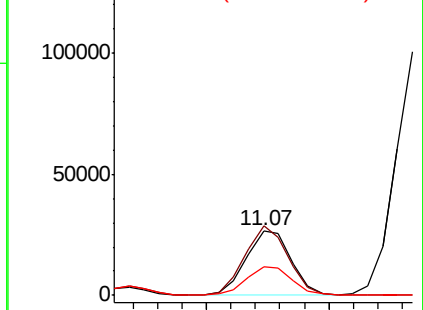
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8/24/2018 11:35:00 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.94 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004216.D

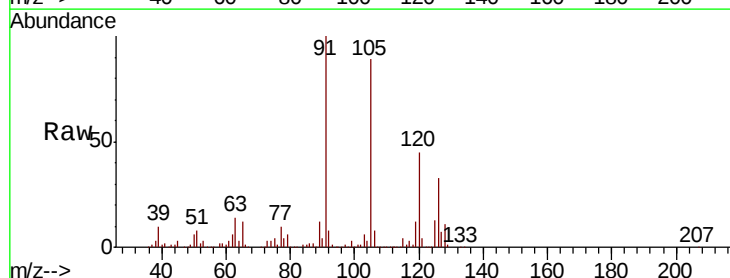
Acq: 23 Aug 2018 10:35

Tgt Ion: 91 Resp: 300803

Ion Ratio Lower Upper

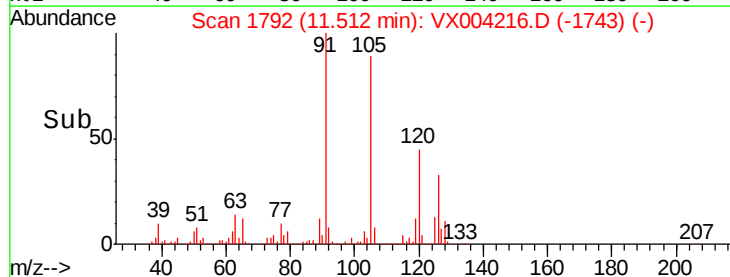
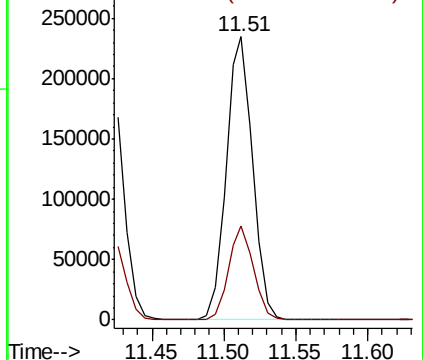
91 100

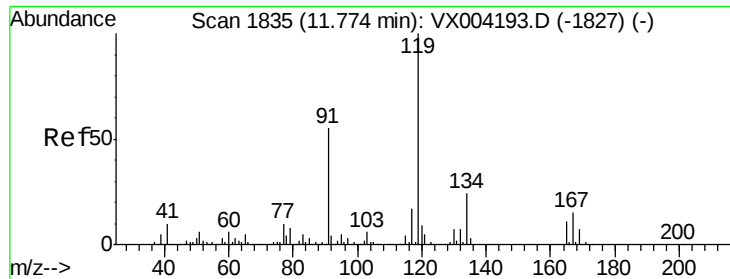
126 31.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





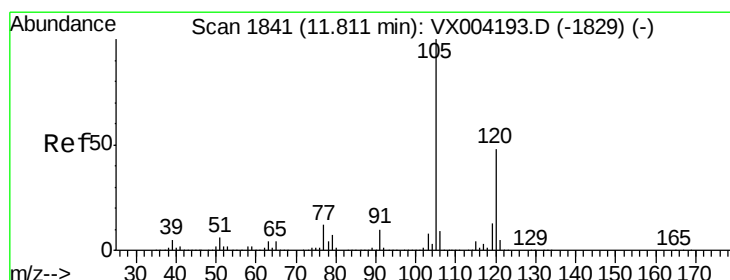
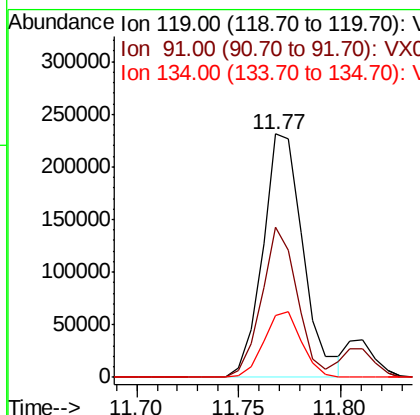
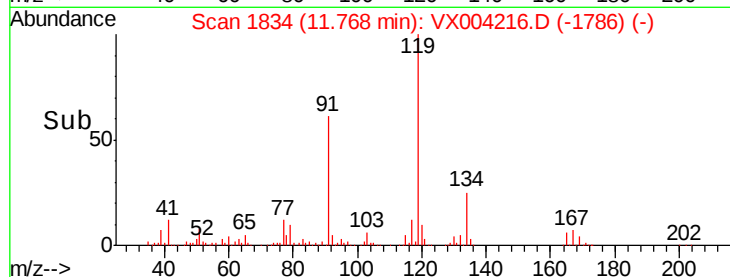
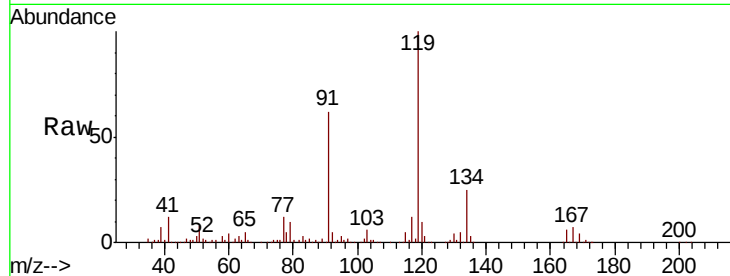
#83
tert-Butylbenzene
Concen: 20.03 ug/l
RT: 11.77 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	318190		
91	54.7	27.0	81.0	
134	25.4	11.7	35.1	

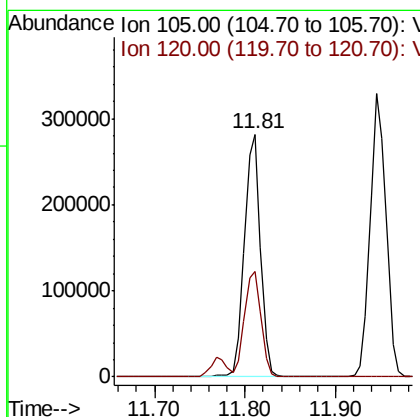
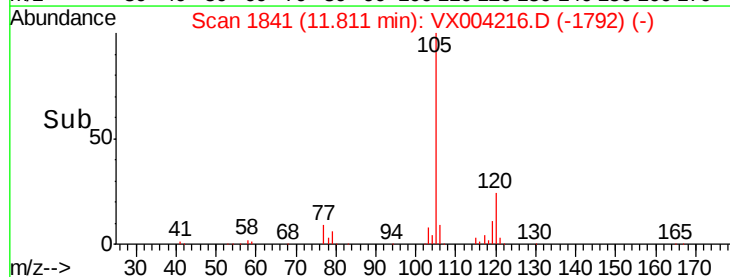
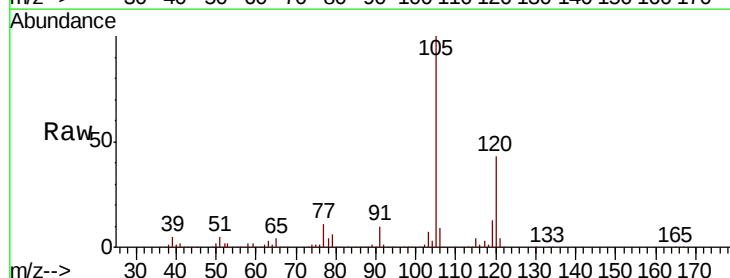
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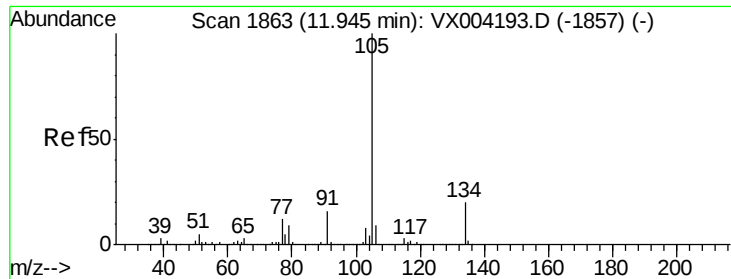
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.41 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	347045		
120	44.7	23.2	69.6	





#85

sec-Butylbenzene

Concen: 21.30 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0823WBS01

Tot Ion:105 Resp: 401814

Ion Ratio Lower Upper

105 100

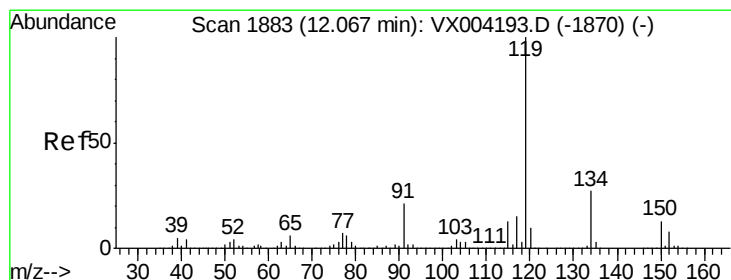
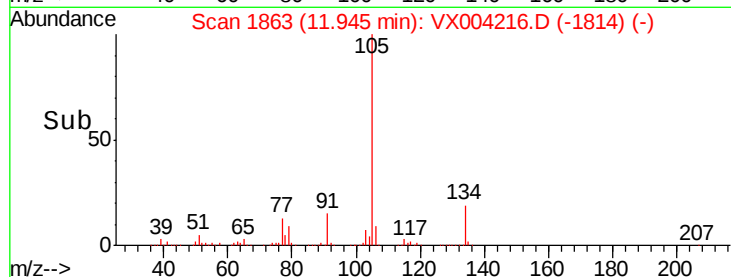
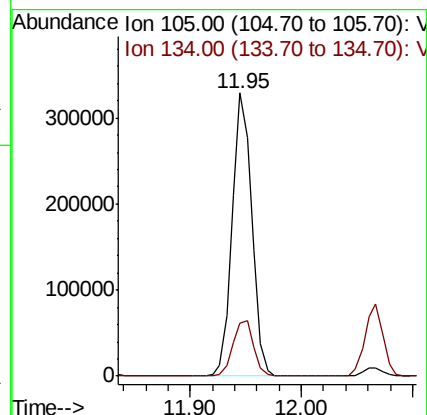
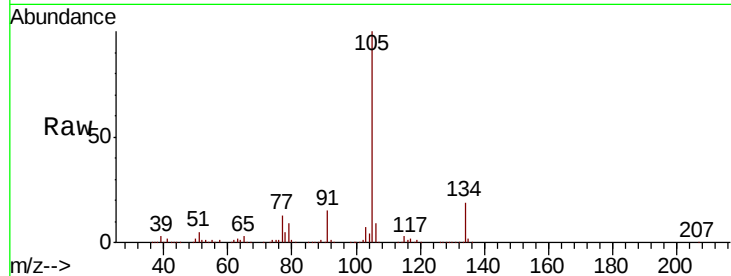
134 20.6 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.75 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

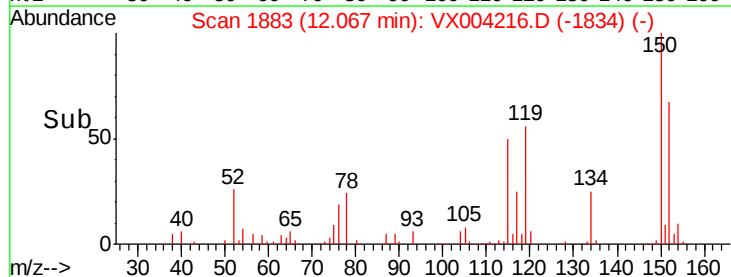
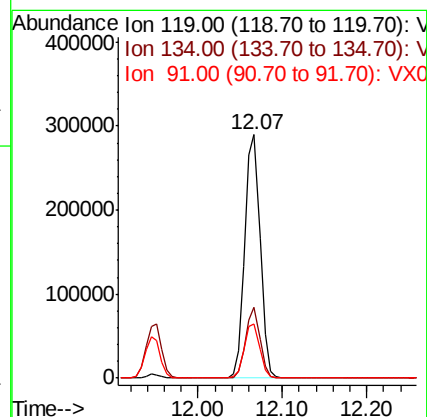
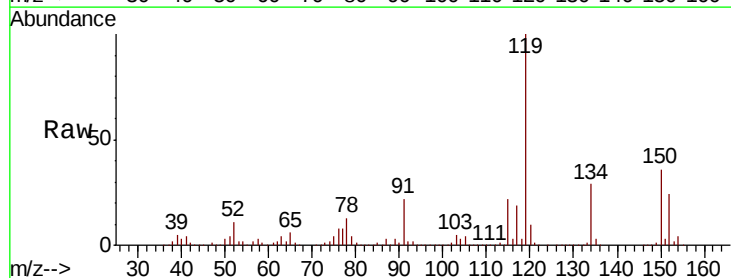
Tgt Ion:119 Resp: 350764

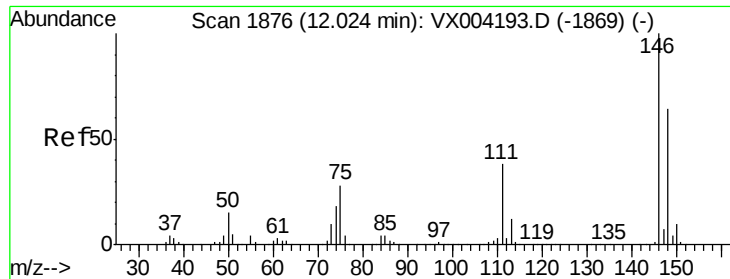
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.6 10.9 32.7





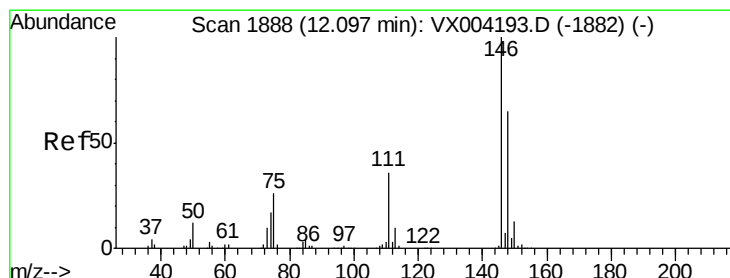
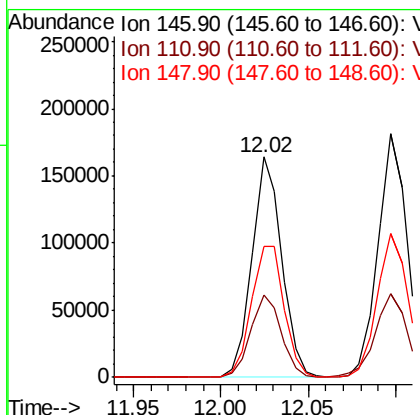
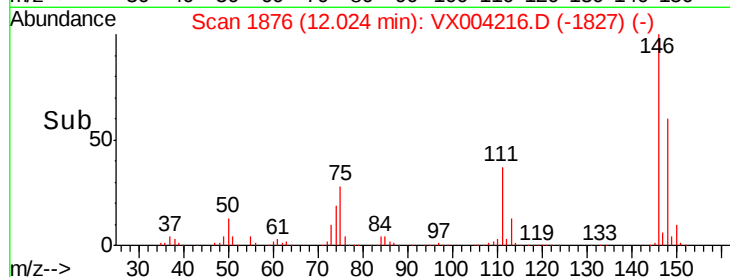
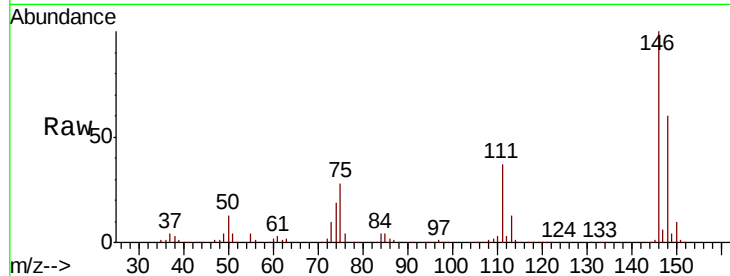
#87
 1,3-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	65.4	32.1	96.5

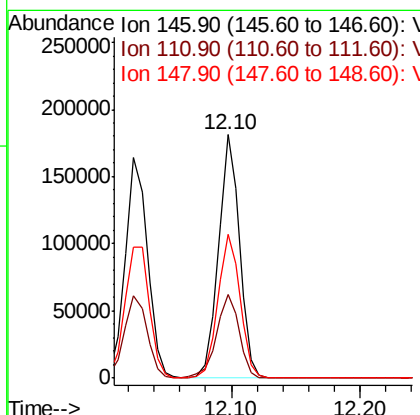
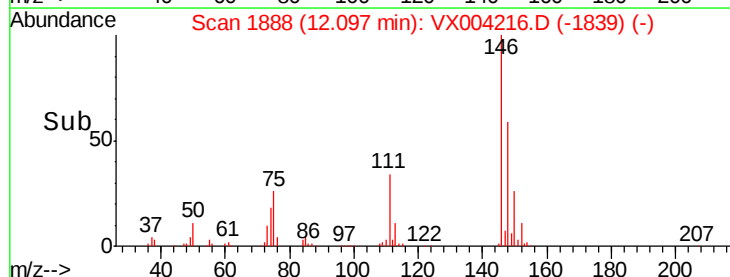
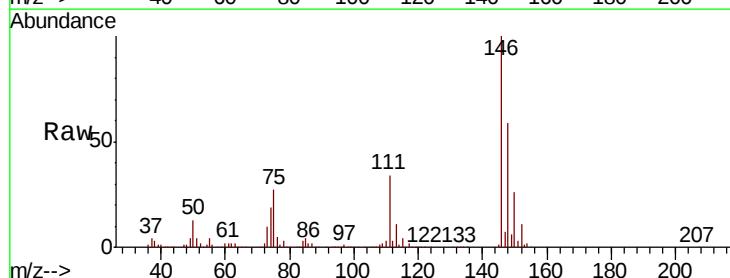
Manual Integrations
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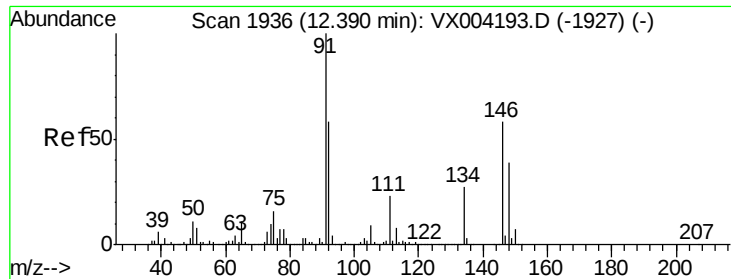
MMDadoda
 8/24/2018 11:35:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	62.2	32.0	96.0





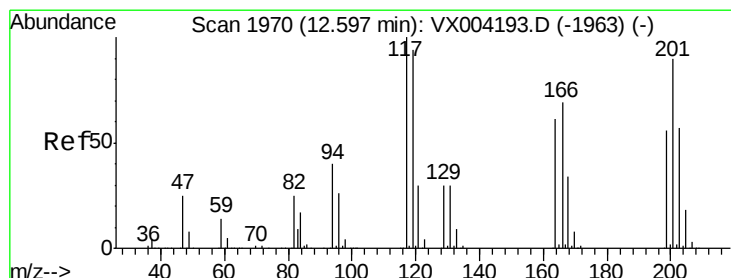
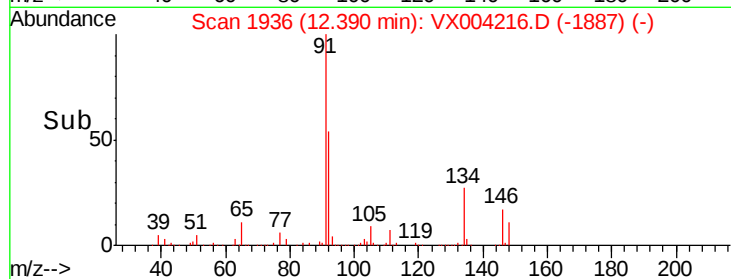
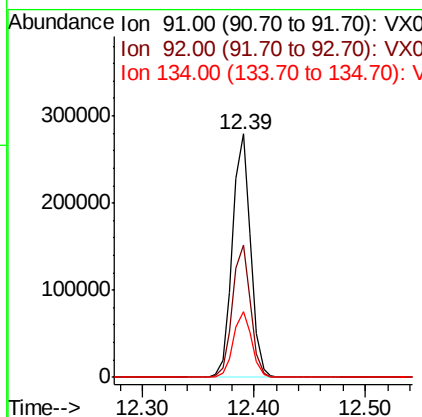
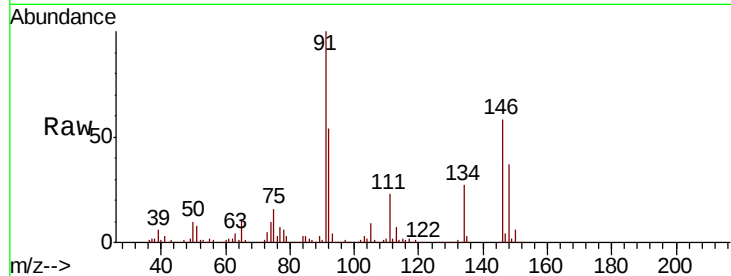
#89
n-Butylbenzene
Concen: 22.83 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.3	27.3	81.9	
134	27.0	13.6	40.7	

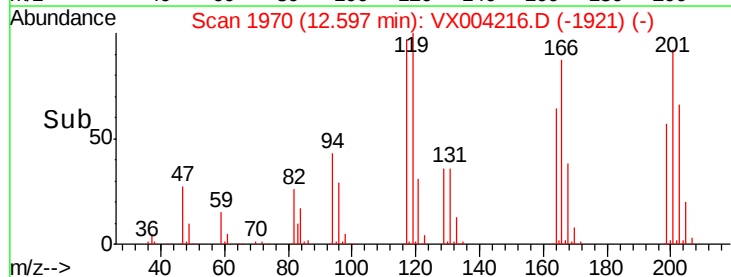
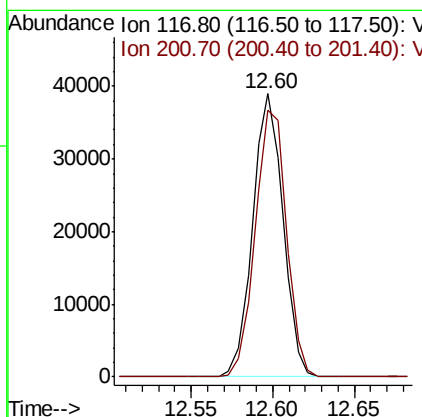
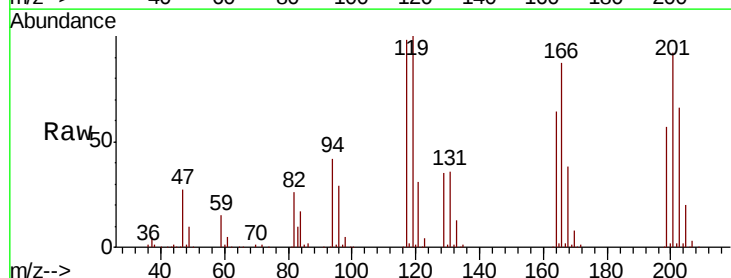
Manual Integrations
APPROVED

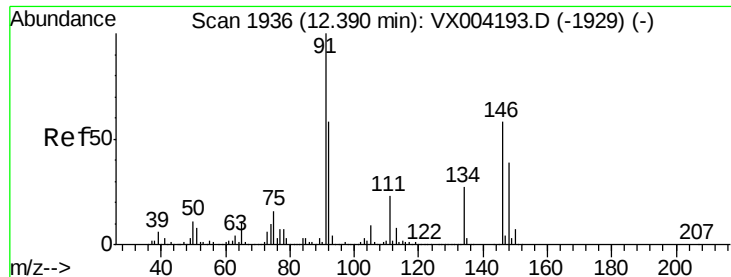
MMDadoda
8/24/2018 11:35:00 AM



#90
Hexachloroethane
Concen: 21.34 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	97.4	46.9	140.6	





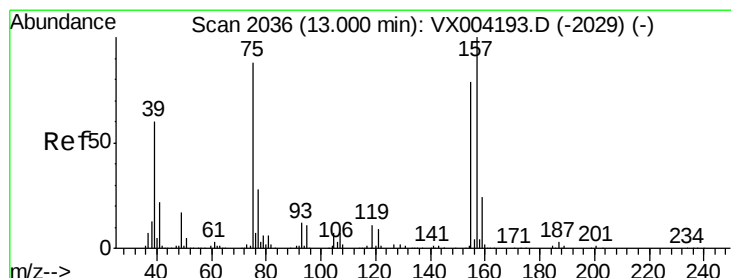
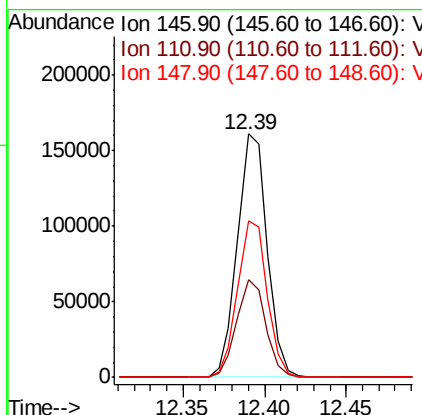
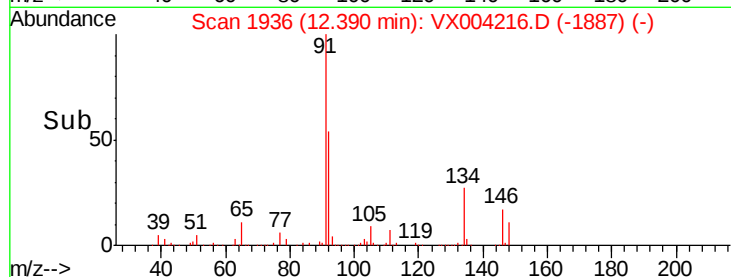
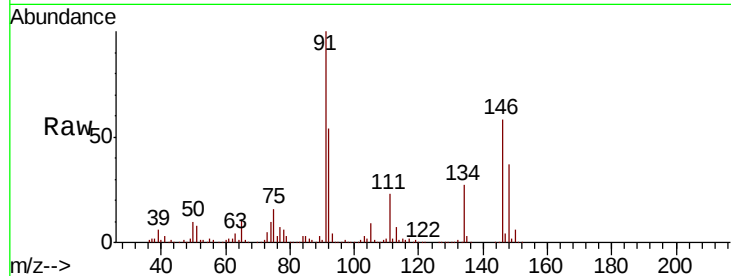
#91
 1,2-Dichlorobenzene
 Concen: 22.39 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	64.1	32.8	98.3

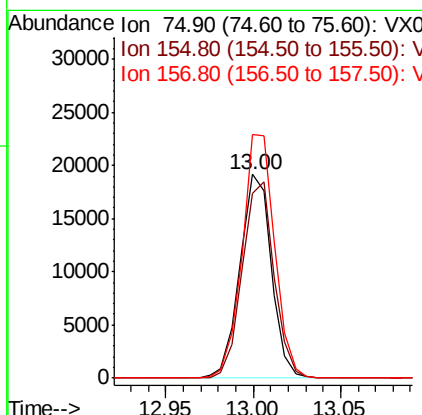
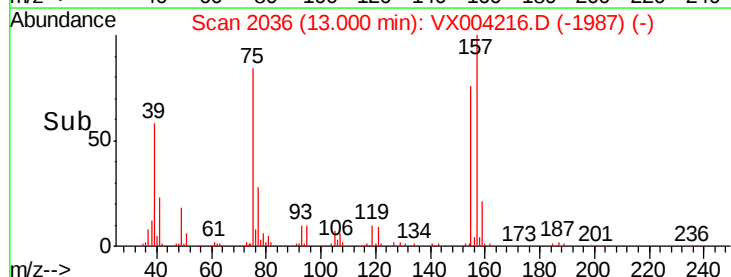
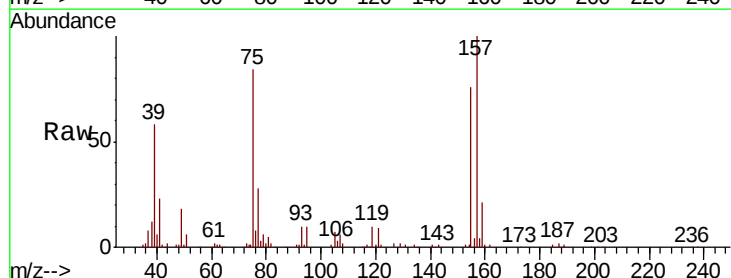
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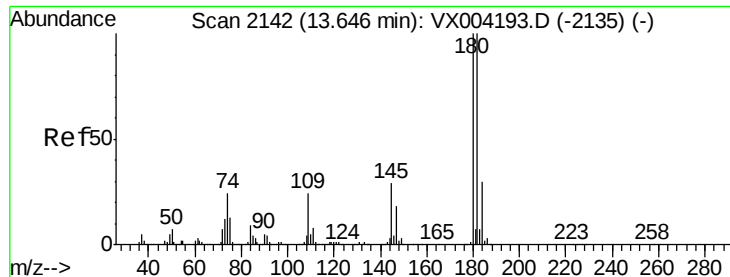
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.37 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004216.D
 Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	48.0	144.2
157	123.1	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 19.67 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VX004216.D

Acq: 23 Aug 2018 10:35

Instrument :

MSVOA_X

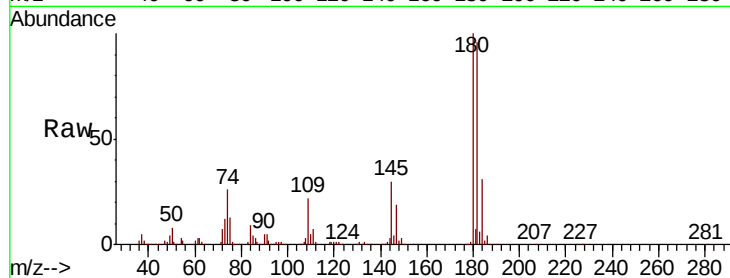
ClientSampleId :

VX0823WBS01

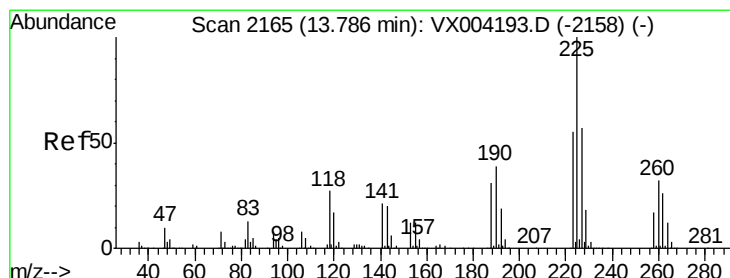
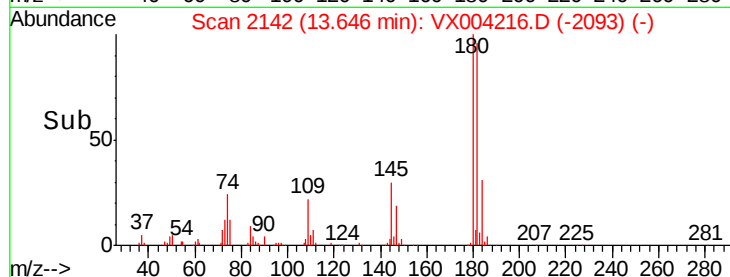
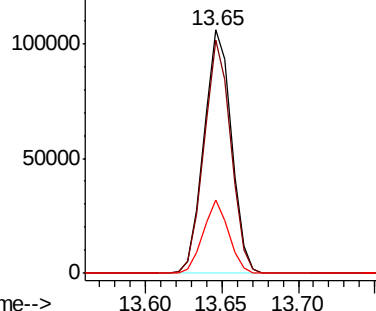
Tot Ion:	180	Resp:	131697
Ion Ratio	Lower	Upper	
180	100		
182	93.2	48.4	145.0
145	28.1	14.3	42.9

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.88 ug/l

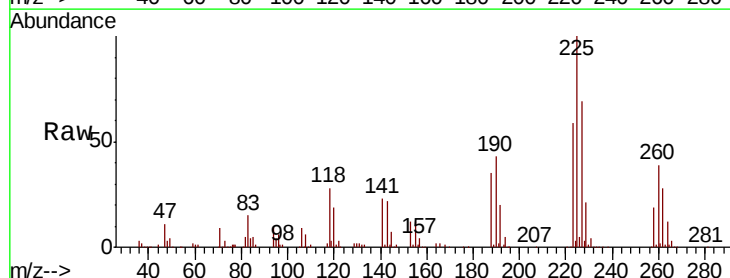
RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

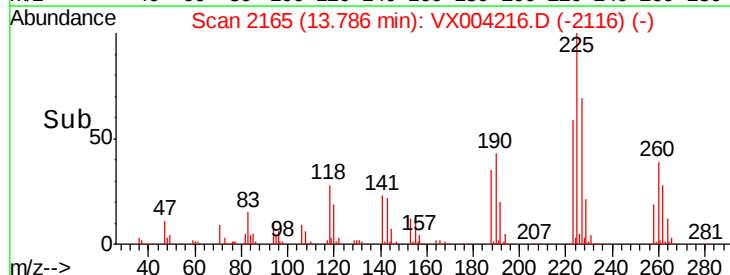
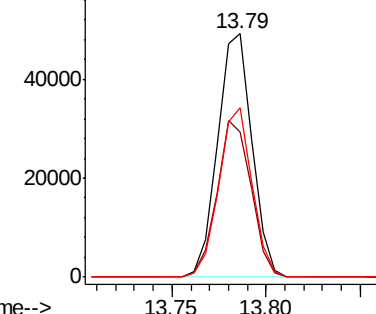
Lab File: VX004216.D

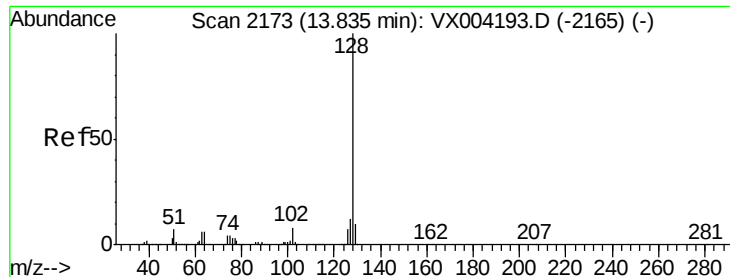
Acq: 23 Aug 2018 10:35

Tgt Ion:	225	Resp:	62198
Ion Ratio	Lower	Upper	
225	100		
223	63.7	30.1	90.5
227	67.4	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





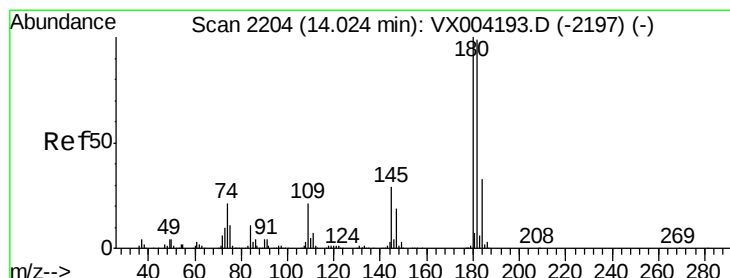
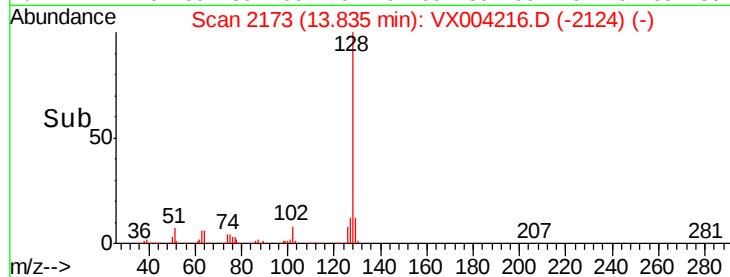
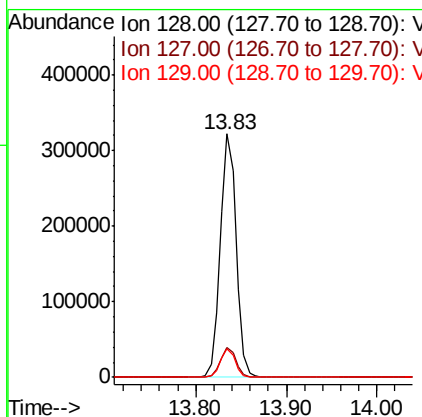
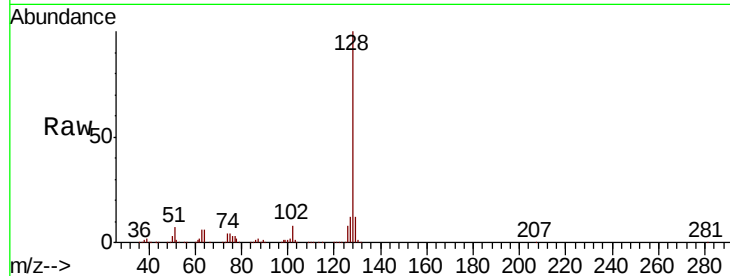
#95
Naphthalene
Concen: 20.75 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	11.1	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 19.87 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX004216.D
Acq: 23 Aug 2018 10:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.5	145.6
145	30.3	14.9	44.9

