

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004200.D
 Acq On : 22 Aug 2018 15:57
 Operator : JC/MD
 Sample : VX0822WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:20 AM

Quant Time: Aug 23 06:49:33 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	341206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	474738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	431028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	215926	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	5.50	113	182165	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	8.71	98	682559	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	249036	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84917	21.49	ug/l	96
3) Chloromethane	1.32	50	85174	19.68	ug/l	99
4) Vinyl Chloride	1.40	62	89611	20.04	ug/l	99
5) Bromomethane	1.64	94	51341	22.17	ug/l	100
6) Chloroethane	1.72	64	56850	17.25	ug/l	97
7) Trichlorofluoromethane	1.93	101	120774	19.71	ug/l	97
8) Diethyl Ether	2.18	74	50620	19.30	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74580	19.44	ug/l	99
10) Methyl Iodide	2.51	142	62147	17.39	ug/l	99
11) Tert butyl alcohol	3.07	59	90079	95.02	ug/l	99
12) 1,1-Dichloroethene	2.37	96	69293	19.17	ug/l	98
13) Acrolein	2.29	56	21019	91.97	ug/l	97
14) Allyl chloride	2.73	41	126440	19.04	ug/l	100
15) Acrylonitrile	3.15	53	216101	92.05	ug/l	100
16) Acetone	2.44	43	179283	93.71	ug/l	99
17) Carbon Disulfide	2.57	76	189961	19.42	ug/l	100
18) Methyl Acetate	2.78	43	127880	19.38	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	228344	19.17	ug/l	96
20) Methylene Chloride	2.85	84	79022	18.46	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	75002	18.75	ug/l	97
22) Diisopropyl ether	3.87	45	225521	18.19	ug/l	95
23) Vinyl Acetate	3.82	43	954644	94.99	ug/l	99
24) 1,1-Dichloroethane	3.69	63	139152	19.26	ug/l	99
25) 2-Butanone	4.70	43	291623	96.11	ug/l	98
26) 2,2-Dichloropropane	4.58	77	110761	19.54	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	87312	19.24	ug/l	99
28) Bromochloromethane	5.01	49	63262	19.77	ug/l	100
29) Tetrahydrofuran	5.16	42	179186	93.78	ug/l	100
30) Chloroform	5.21	83	138398	19.10	ug/l	97
31) Cyclohexane	5.57	56	123285	19.77	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	117184	19.40	ug/l	99
36) 1,1-Dichloropropene	5.79	75	108573	20.34	ug/l	99
37) Ethyl Acetate	4.85	43	106102	20.21	ug/l	100
38) Carbon Tetrachloride	5.78	117	102183	20.35	ug/l	92

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Manual Integrations
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 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	120739	19.81	ug/l	98
40) Benzene	6.14	78	324258	20.33	ug/l	97
41) Methacrylonitrile	5.06	41	59790	19.65	ug/l	98
42) 1,2-Dichloroethane	6.20	62	109434	20.12	ug/l	100
43) Isopropyl Acetate	6.46	43	159023	19.72	ug/l	100
44) Trichloroethene	7.21	130	86583	19.61	ug/l	97
45) 1,2-Dichloropropane	7.51	63	81004	20.29	ug/l	99
46) Dibromomethane	7.66	93	51756	19.47	ug/l	99
47) Bromodichloromethane	7.90	83	97627	19.74	ug/l	99
48) Methyl methacrylate	7.77	41	84069	19.48	ug/l	99
49) 1,4-Dioxane	7.76	88	38646	394.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	544318	92.88	ug/l	99
52) Toluene	8.79	92	202206	20.26	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	107774	19.73	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	119988	20.17	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	80828	20.06	ug/l	98
56) Ethyl methacrylate	9.18	69	108406	19.76	ug/l	100
57) 1,3-Dichloropropane	9.37	76	134552	19.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	303563	108.00	ug/l	99
59) 2-Hexanone	9.50	43	411266	91.99	ug/l	99
60) Dibromochloromethane	9.59	129	76182	19.40	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83222	19.96	ug/l	99
64) Tetrachloroethene	9.34	164	82782	19.44	ug/l	99
65) Chlorobenzene	10.14	112	212088	19.61	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	73269	19.64	ug/l	96
67) Ethyl Benzene	10.26	91	342822	19.51	ug/l	99
68) m/p-Xylenes	10.36	106	278042	40.47	ug/l	98
69) o-Xylene	10.70	106	129217	19.89	ug/l	97
70) Styrene	10.71	104	208597	19.83	ug/l	97
71) Bromoform	10.86	173	54716	18.19	ug/l	100
73) Isopropylbenzene	11.02	105	367973	20.68	ug/l	100
74) N-amyl acetate	10.90	43	133734	19.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	121611	19.53	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	110963m	20.14	ug/l	
77) Bromobenzene	11.26	156	99373	19.91	ug/l	97
78) n-propylbenzene	11.36	91	430389	21.03	ug/l	100
79) 2-Chlorotoluene	11.42	91	250954	19.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	296410	20.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31026	18.27	ug/l	93
82) 4-Chlorotoluene	11.51	91	284734	19.21	ug/l	100
83) tert-Butylbenzene	11.77	119	302430	20.40	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	321707	21.27	ug/l	100
85) sec-Butylbenzene	11.94	105	355779	20.21	ug/l	100
86) p-Isopropyltoluene	12.07	119	337424	21.39	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187829	19.99	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	192437	19.42	ug/l	99
89) n-Butylbenzene	12.39	91	254265	19.82	ug/l	97
90) Hexachloroethane	12.60	117	43093	19.54	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	174350	20.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21205	19.33	ug/l	98

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VX0822WBS01

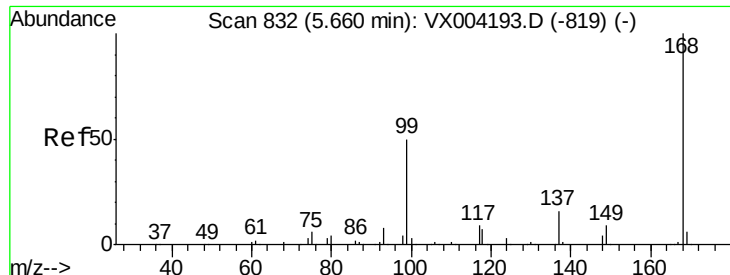
Manual Integrations
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Quant Time: Aug 23 06:49:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114507	18.32	ug/l	100
94) Hexachlorobutadiene	13.79	225	55908	19.14	ug/l	94
95) Naphthalene	13.83	128	341042	19.29	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131463	19.87	ug/l	96

(#) = 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: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion:168 Resp: 341206

Ion Ratio Lower Upper

168 100

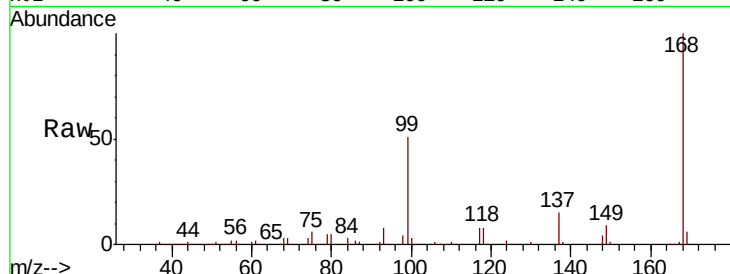
99 51.3 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

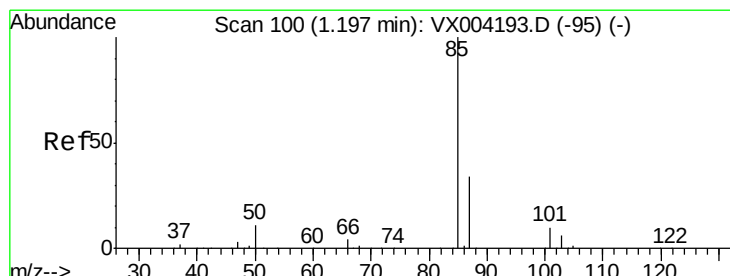
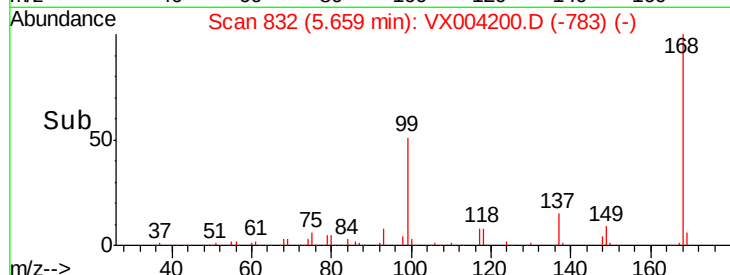
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.49 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004200.D

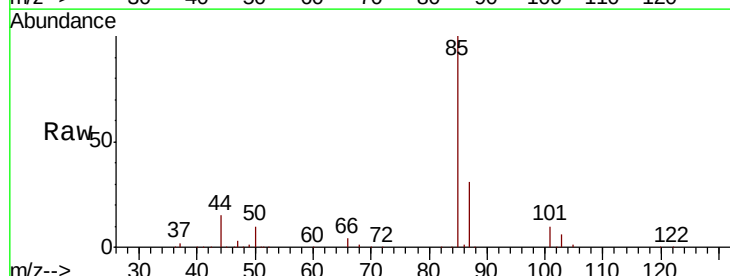
Acq: 22 Aug 2018 15:57

Tgt Ion: 85 Resp: 84917

Ion Ratio Lower Upper

85 100

87 31.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

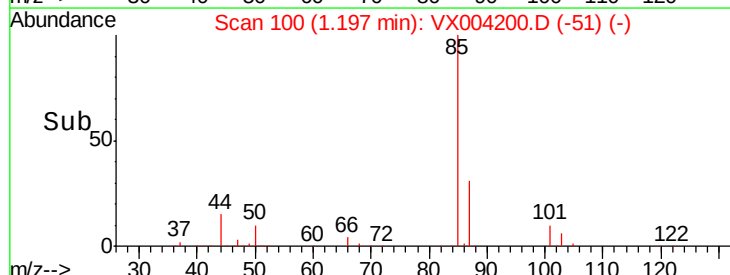
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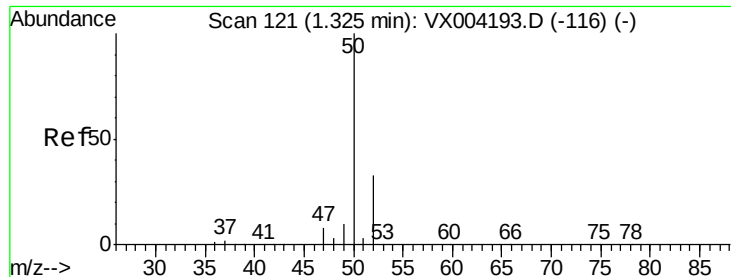
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.68 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion: 50 Resp: 85174

Ion Ratio Lower Upper

50 100

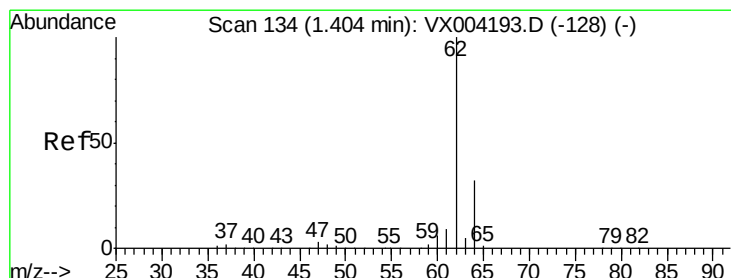
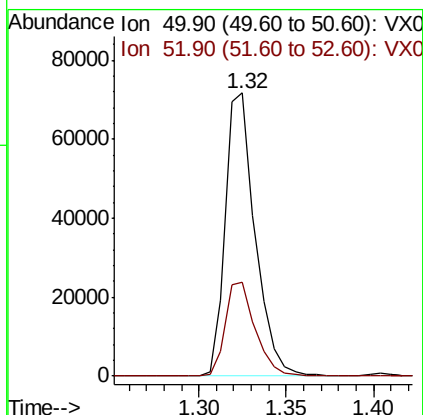
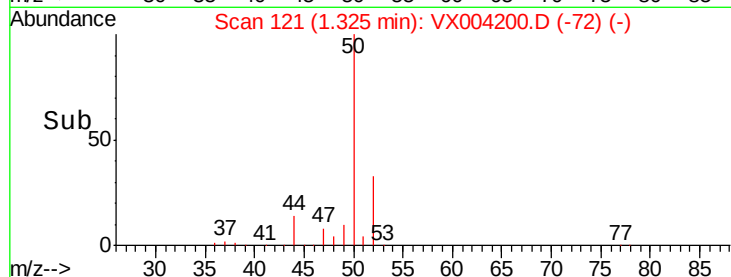
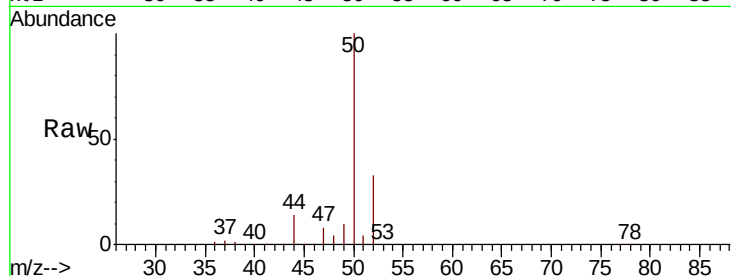
52 33.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.04 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004200.D

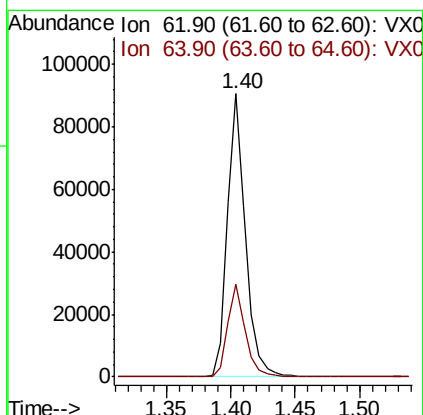
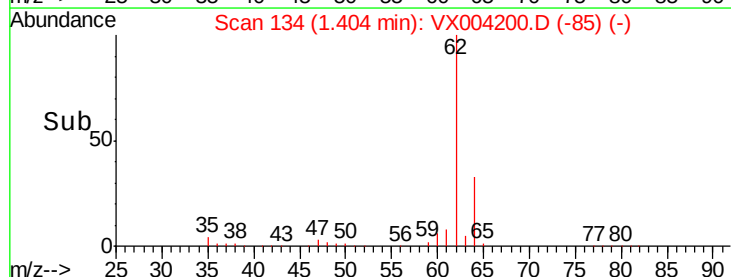
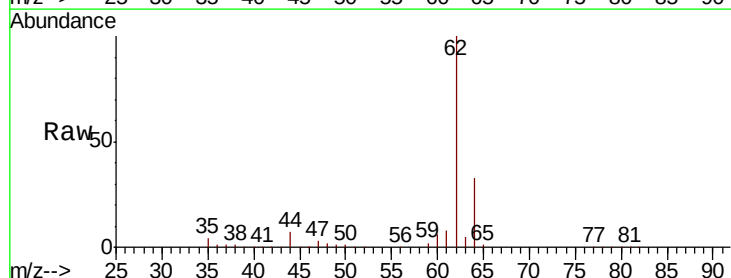
Acq: 22 Aug 2018 15:57

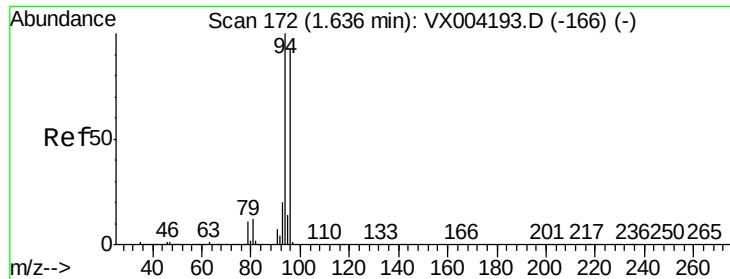
Tgt Ion: 62 Resp: 89611

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 22.17 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion: 94 Resp: 51341

Ion Ratio Lower Upper

94 100

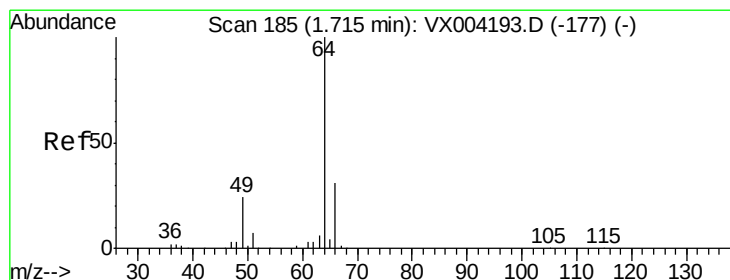
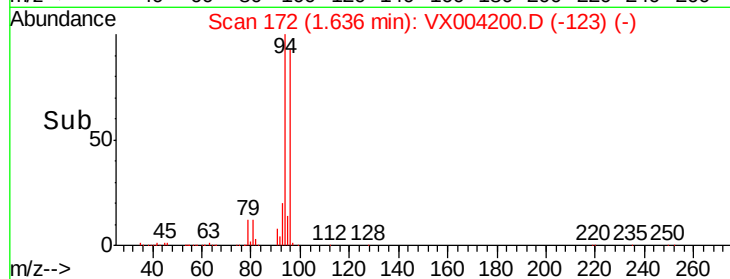
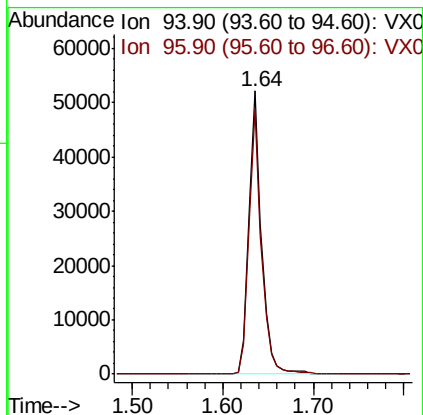
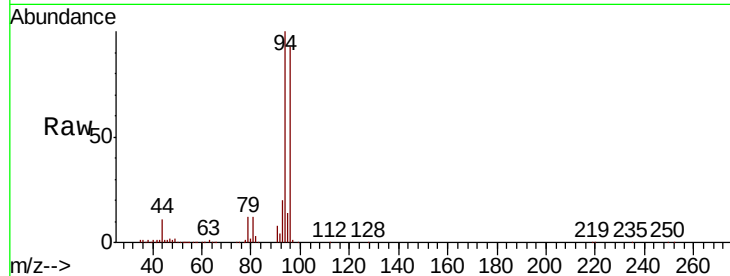
96 93.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 17.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004200.D

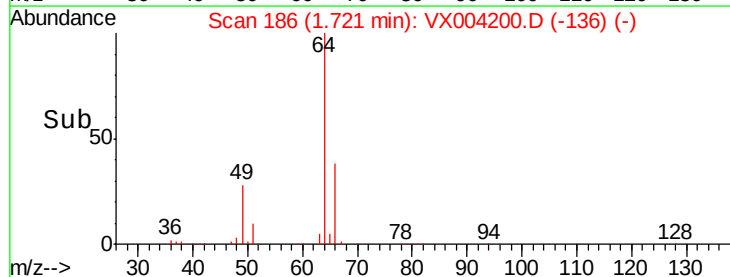
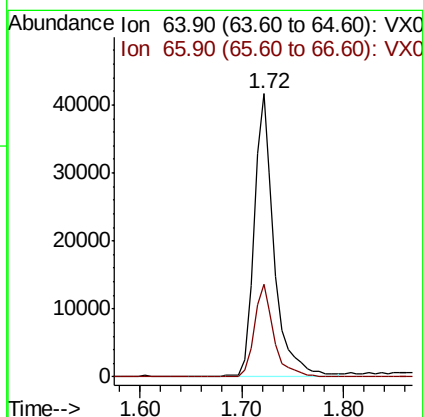
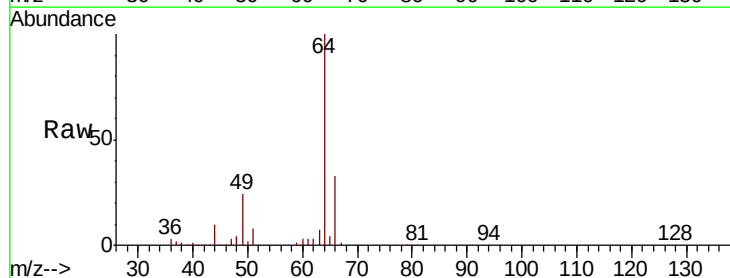
Acq: 22 Aug 2018 15:57

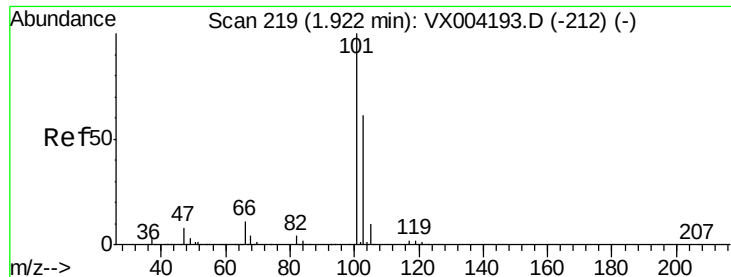
Tgt Ion: 64 Resp: 56850

Ion Ratio Lower Upper

64 100

66 32.6 24.6 36.8





#7

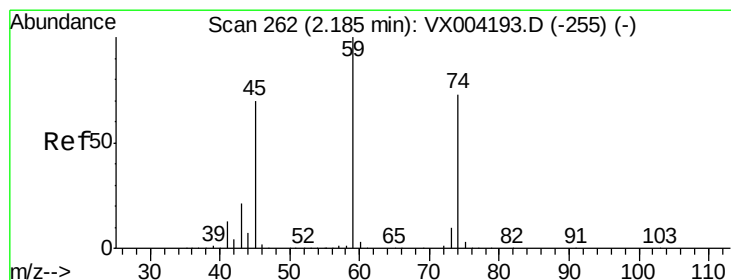
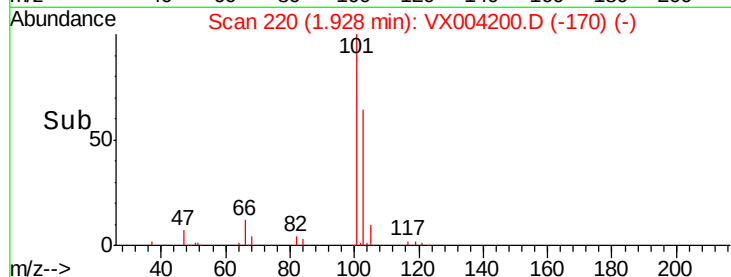
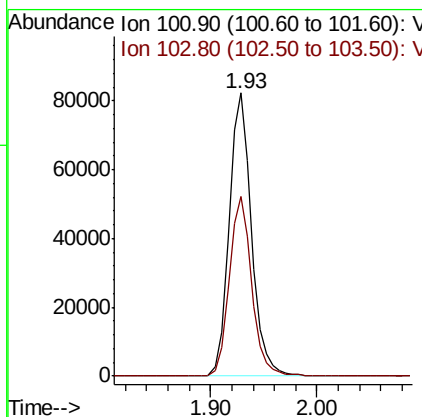
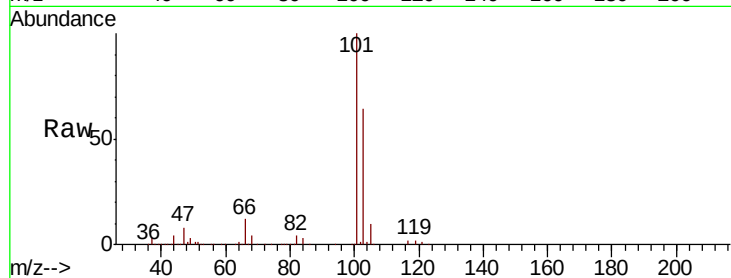
Trichlorofluoromethane
 Concen: 19.71 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	48.9	73.3

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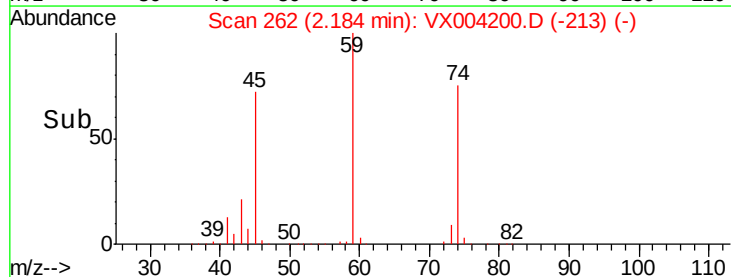
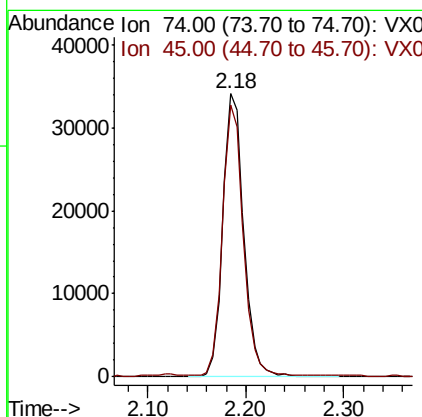
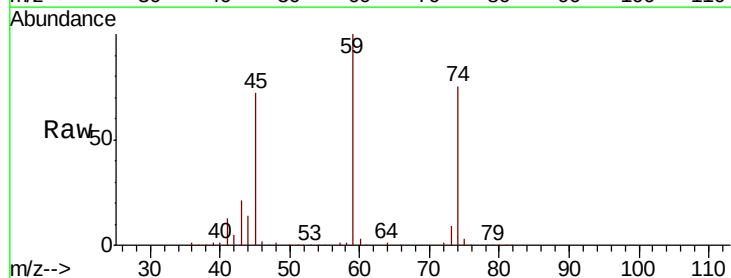
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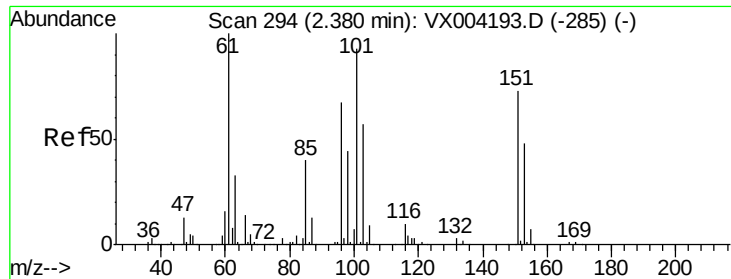


#8

Diethyl Ether
 Concen: 19.30 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.44 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

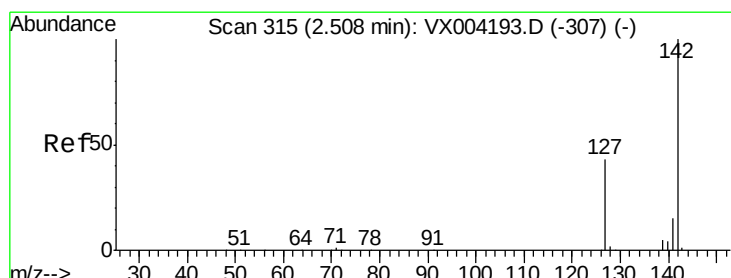
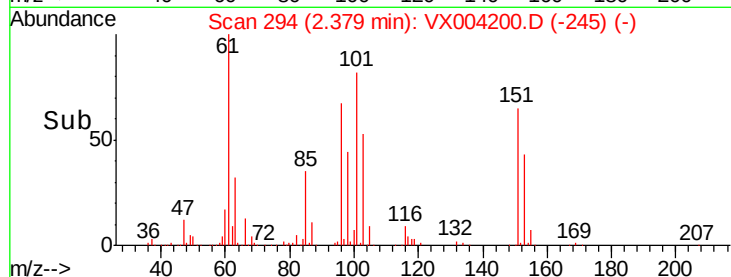
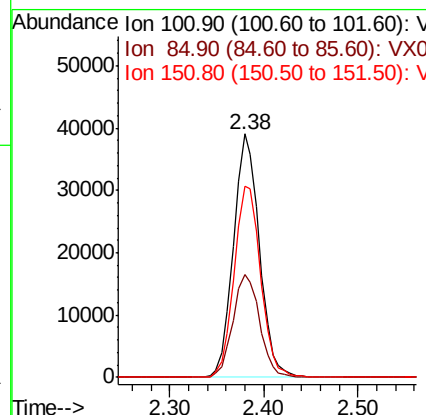
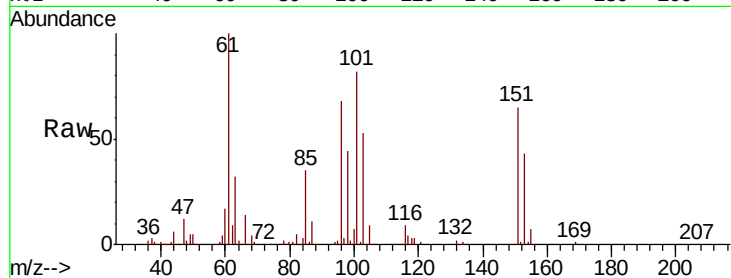
ClientSampleId :

VX0822WBS01

Tot Ion:	101	Resp:	74580
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	80.7	65.0	97.6

Manual Integrations
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8/23/2018 9:40:20 AM



#10

Methyl Iodide

Concen: 17.39 ug/l

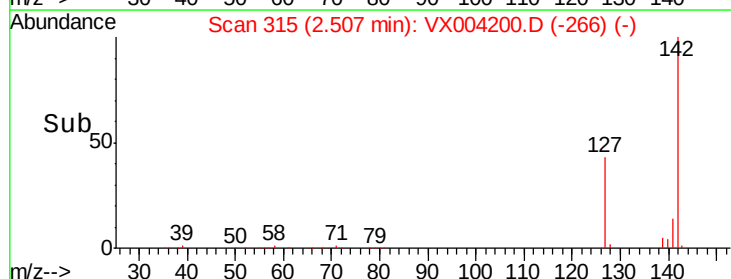
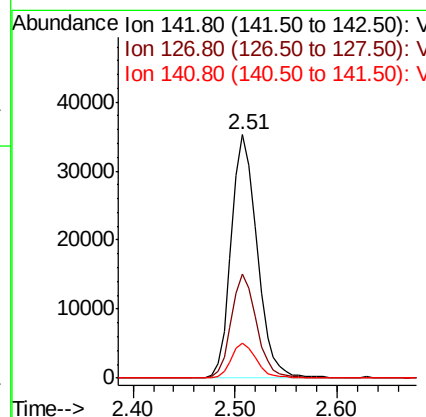
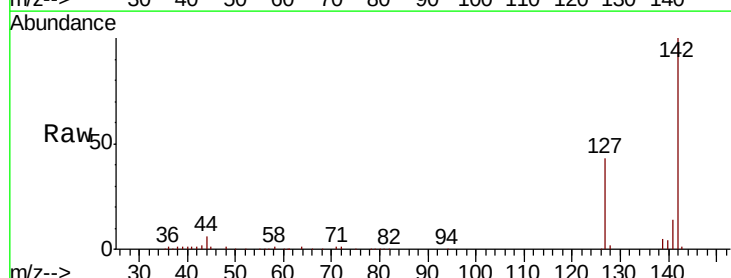
RT: 2.51 min Scan# 315

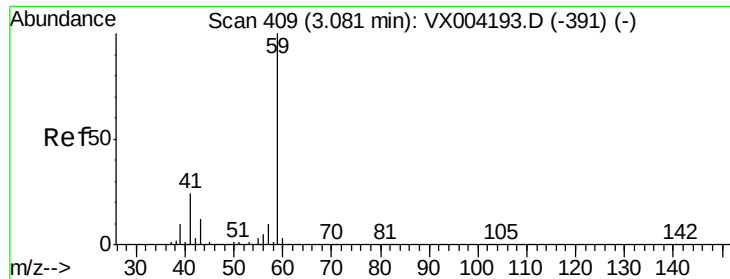
Delta R.T. 0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion:	142	Resp:	62147
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.8	50.6
141	13.9	11.4	17.0





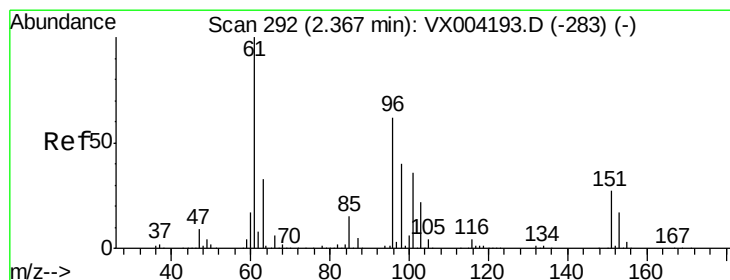
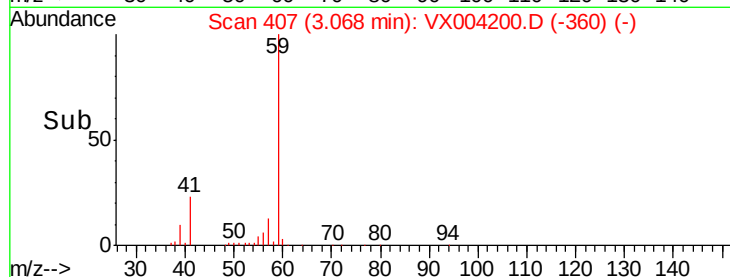
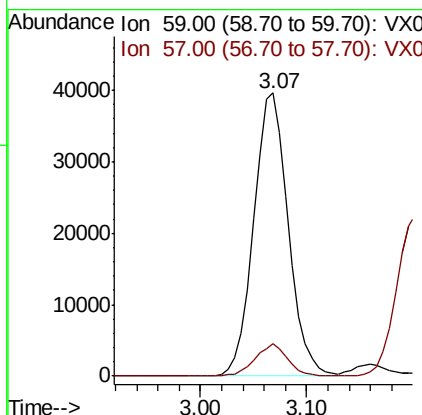
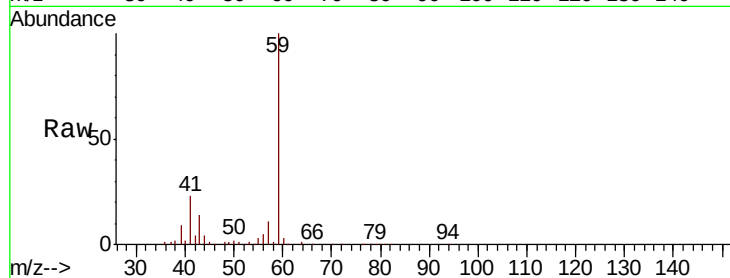
#11
Tert butyl alcohol
Concen: 95.02 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.4

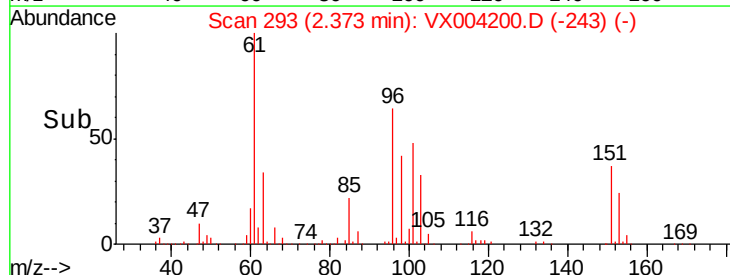
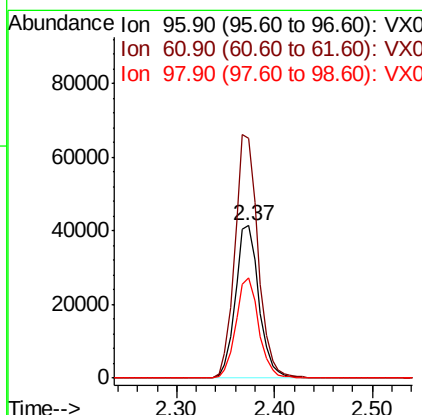
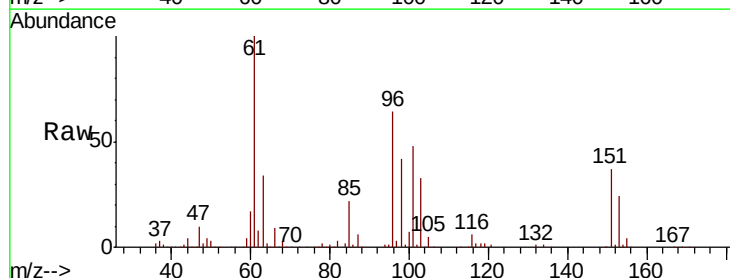
Manual Integrations
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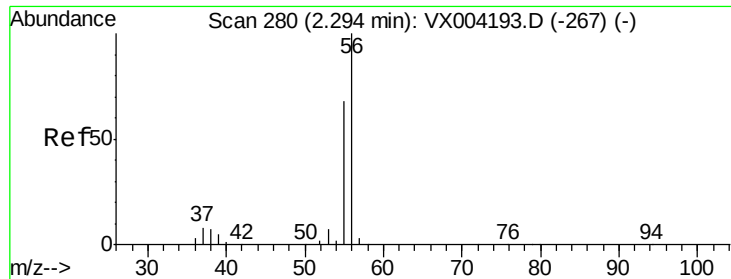
MMDadoda
8/23/2018 9:40:20 AM



#12
1,1-Dichloroethene
Concen: 19.17 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	128.8	193.2
98	65.5	52.2	78.2





#13

Acrolein

Concen: 91.97 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampled :

VX0822WBS01

Tot Ion: 56 Resp: 21019

Ion Ratio Lower Upper

56 100

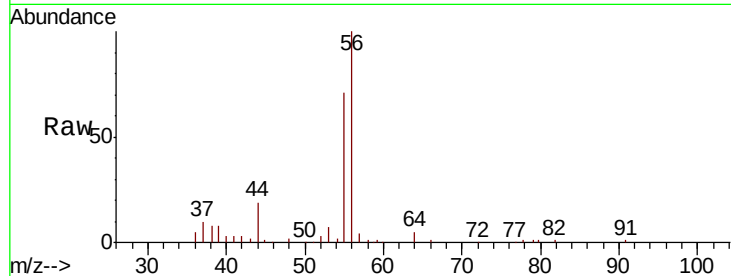
55 70.6 54.7 82.1

Manual Integrations

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MMDadoda

8/23/2018 9:40:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

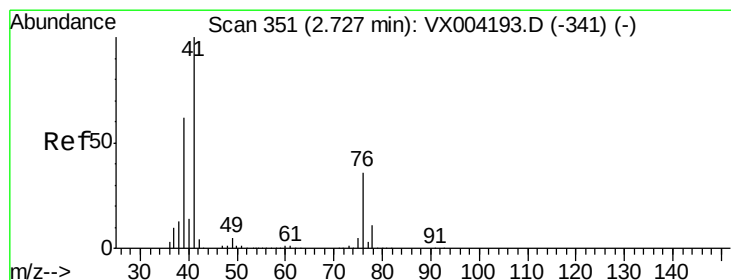
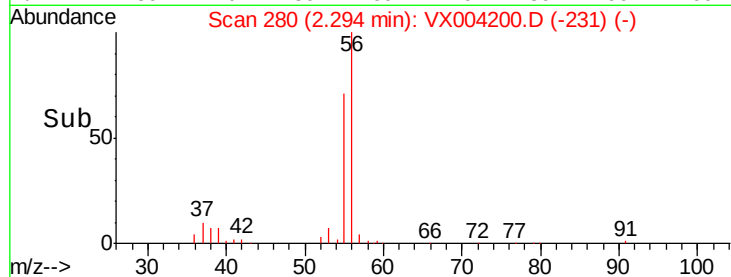
10000

5000

0

2.20 2.25 2.30 2.35

Time-->



#14

Allyl chloride

Concen: 19.04 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

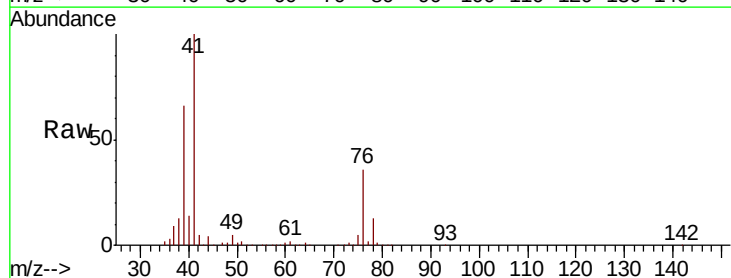
Tgt Ion: 41 Resp: 126440

Ion Ratio Lower Upper

41 100

39 61.4 48.9 73.3

76 33.2 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

150000

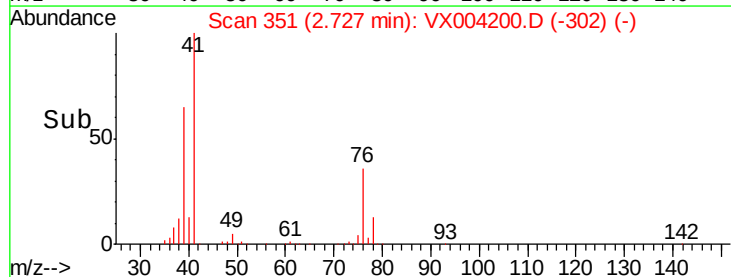
100000

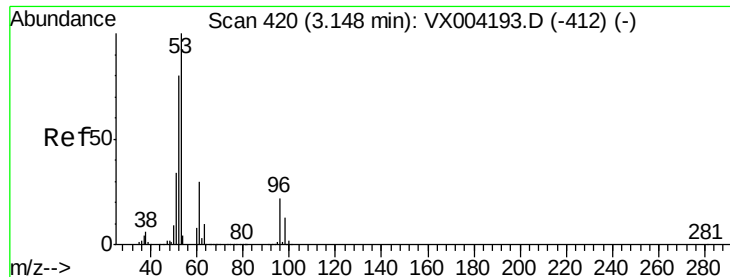
50000

0

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 92.05 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

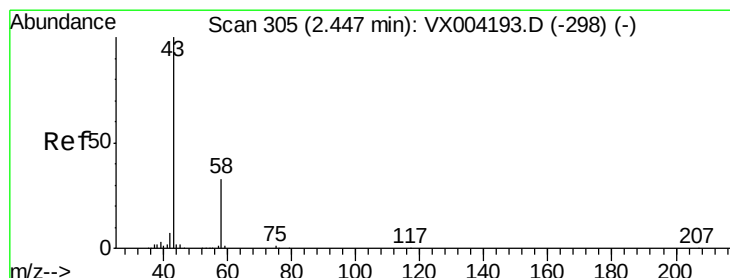
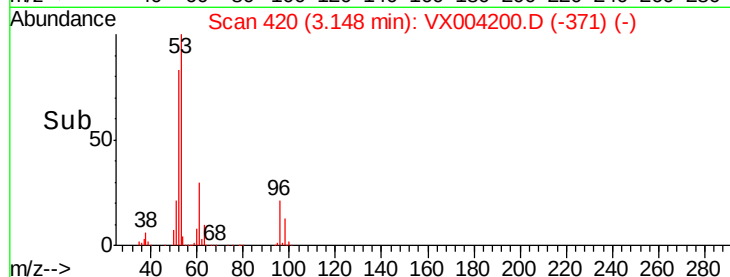
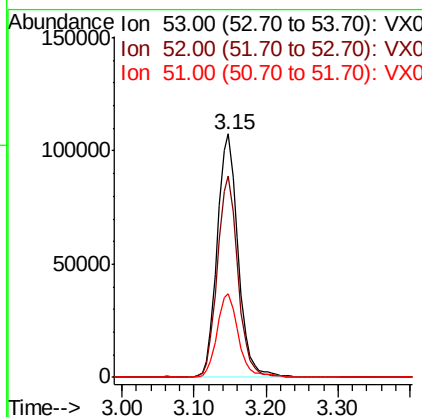
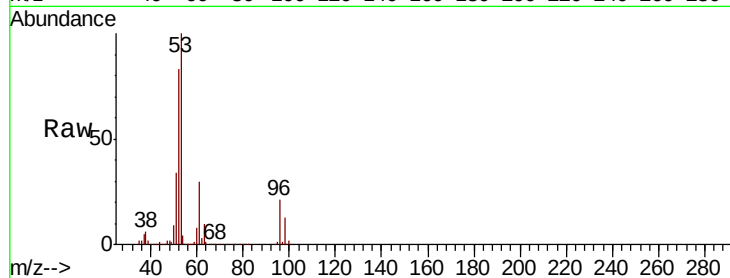
ClientSampleId :

VX0822WBS01

Tot Ion:	53	Resp:	216101
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.2	97.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 93.71 ug/l

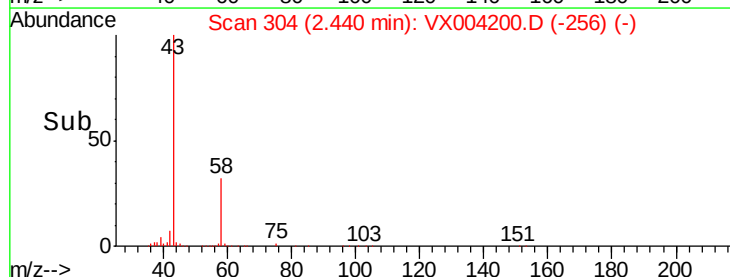
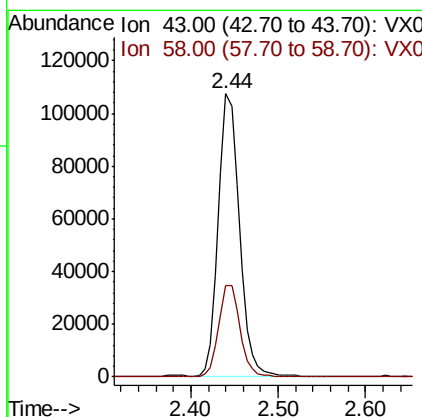
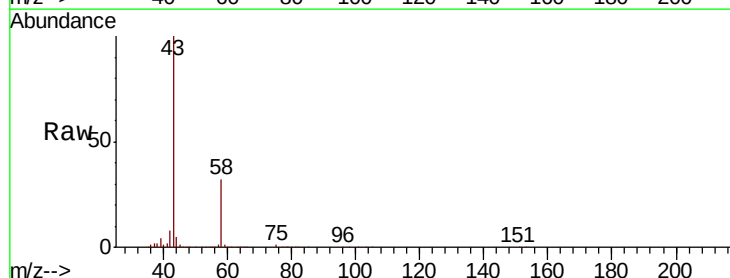
RT: 2.44 min Scan# 304

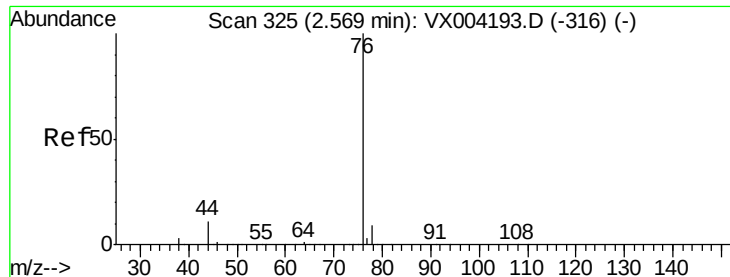
Delta R.T. -0.01 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion:	43	Resp:	179283
Ion Ratio	Lower	Upper	
43	100		
58	32.4	26.2	39.4





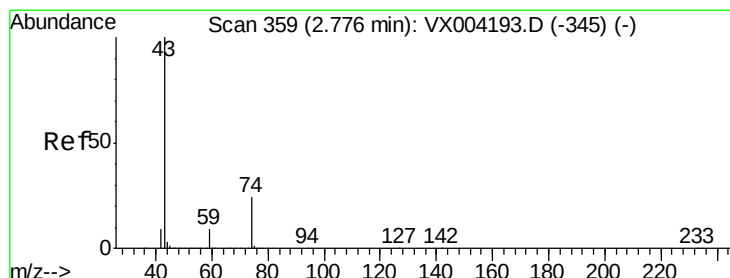
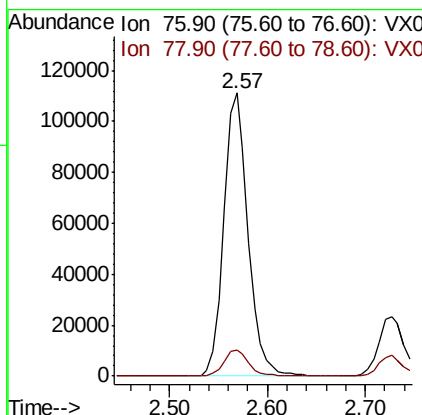
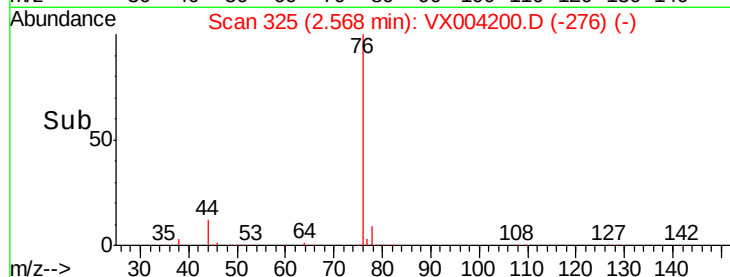
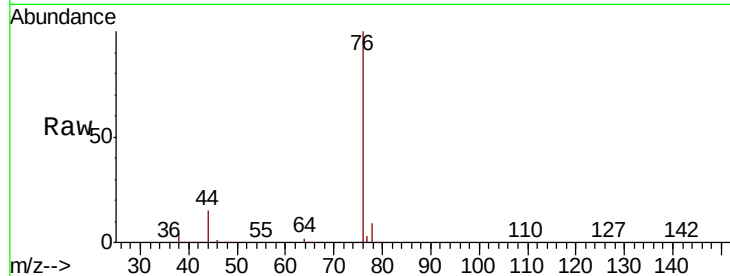
#17
Carbon Disulfide
Concen: 19.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

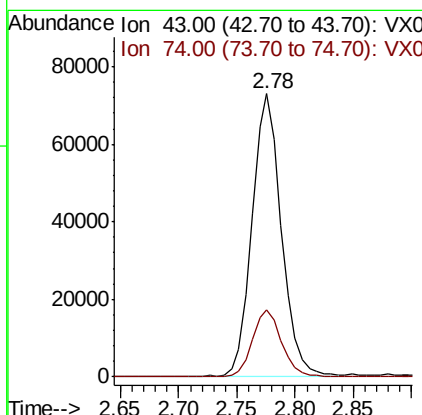
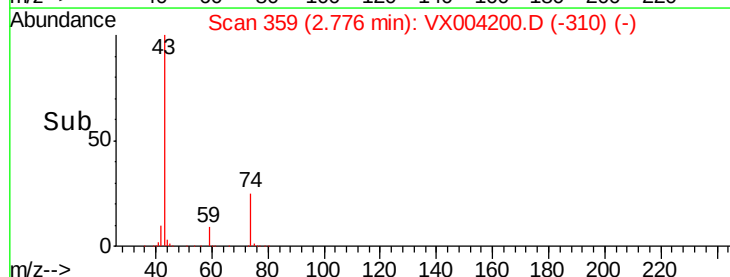
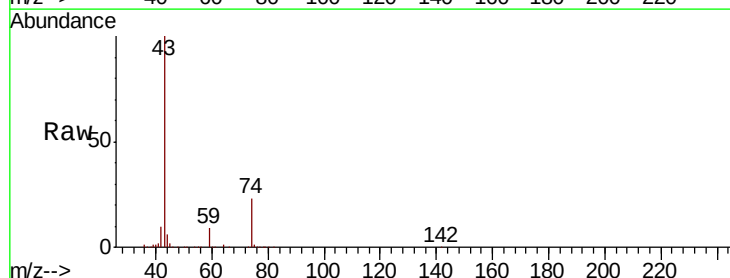
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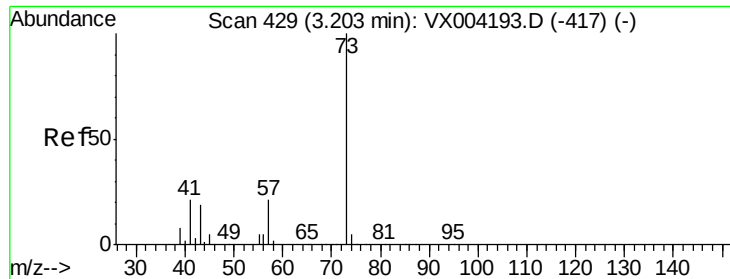
MMDadoda
8/23/2018 9:40:20 AM



#18
Methyl Acetate
Concen: 19.38 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





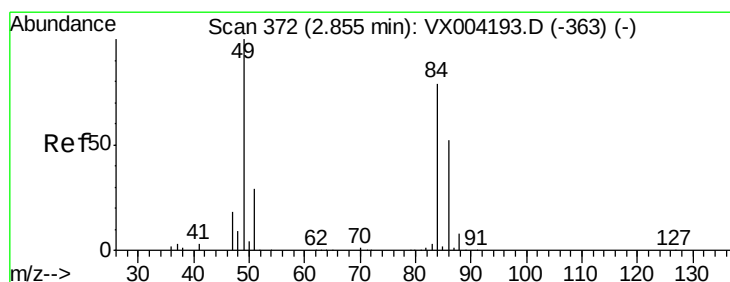
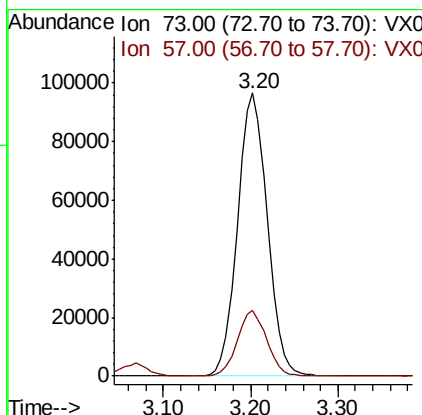
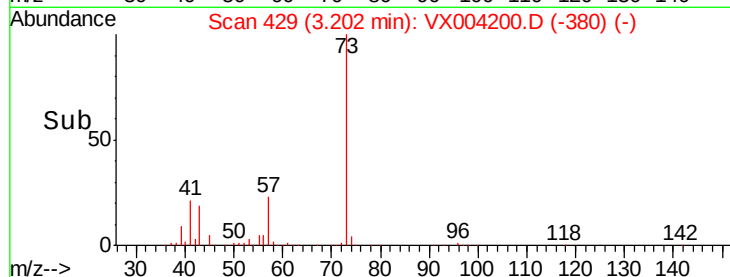
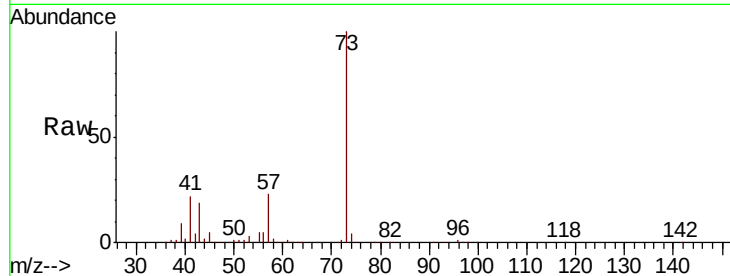
#19
Methyl tert-butyl Ether
Concen: 19.17 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion: 73 Resp: 228344
Ion Ratio Lower Upper
73 100
57 23.5 17.1 25.7

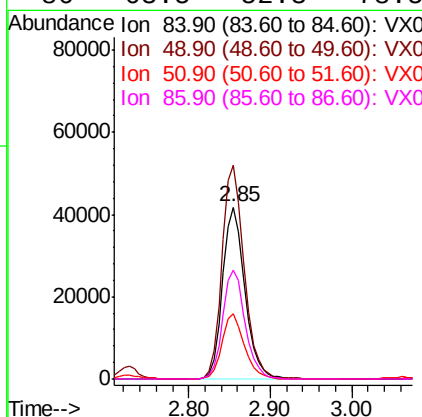
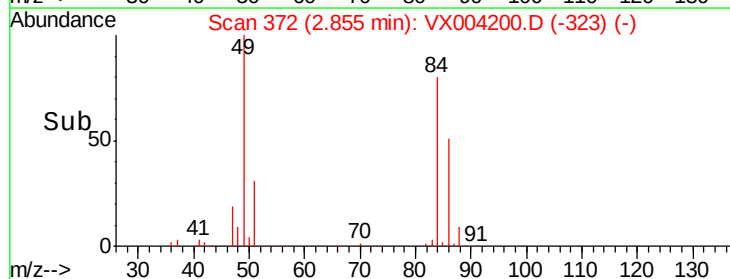
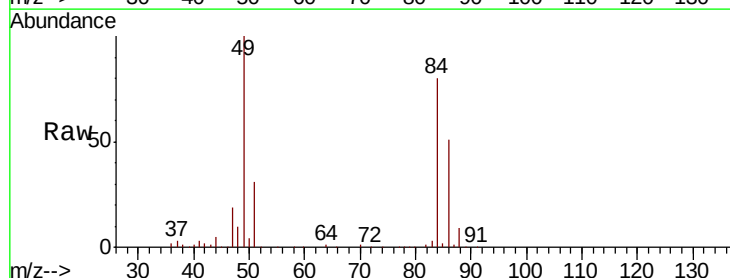
Manual Integrations
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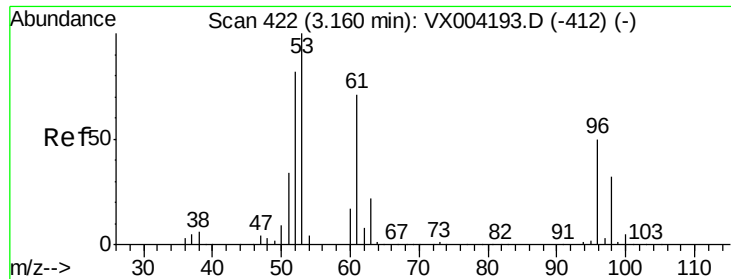
MMDadoda
8/23/2018 9:40:20 AM



#20
Methylene Chloride
Concen: 18.46 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion: 84 Resp: 79022
Ion Ratio Lower Upper
84 100
49 124.4 101.2 151.8
51 38.2 29.5 44.3
86 63.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.75 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion: 96 Resp: 75002

Ion Ratio Lower Upper

96 100

61 138.6 113.8 170.6

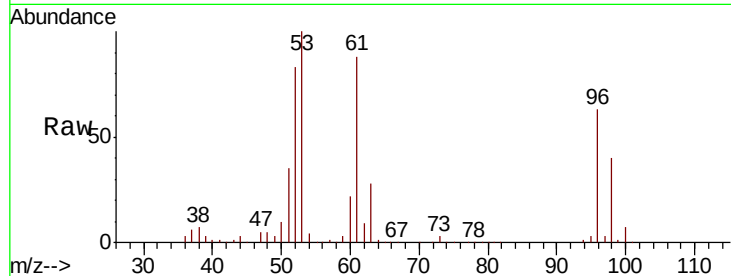
98 63.6 51.8 77.8

Manual Integrations

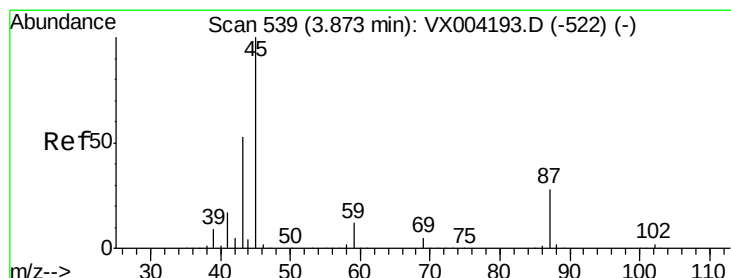
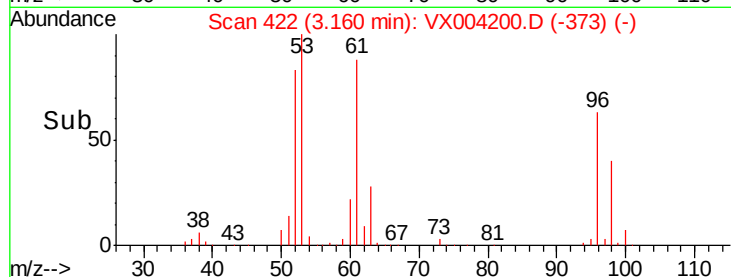
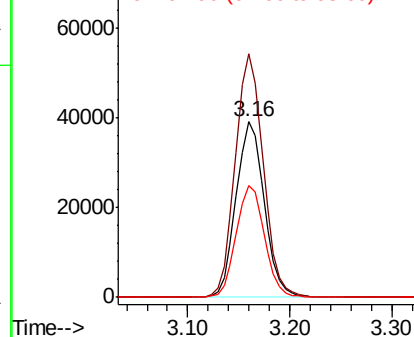
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8/23/2018 9:40:20 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.19 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion: 45 Resp: 225521

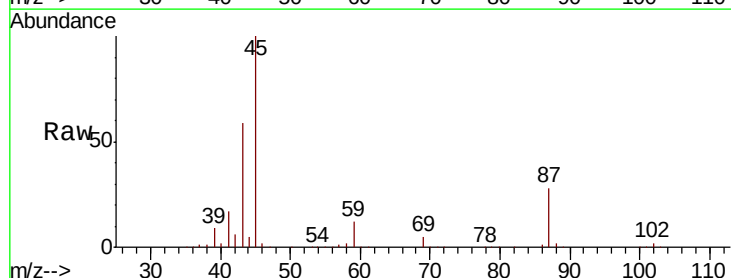
Ion Ratio Lower Upper

45 100

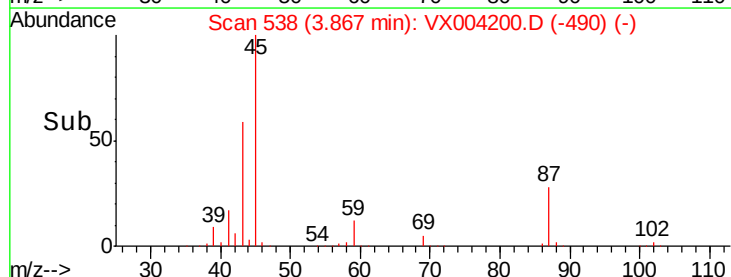
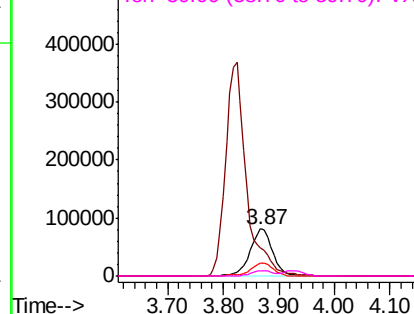
43 59.1 42.8 64.2

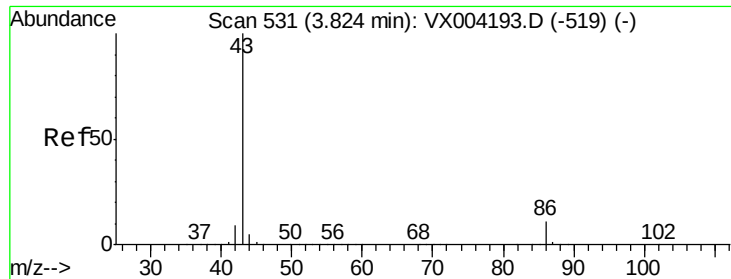
87 28.3 22.6 34.0

59 12.2 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.99 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion: 43 Resp: 954644

Ion Ratio Lower Upper

43 100

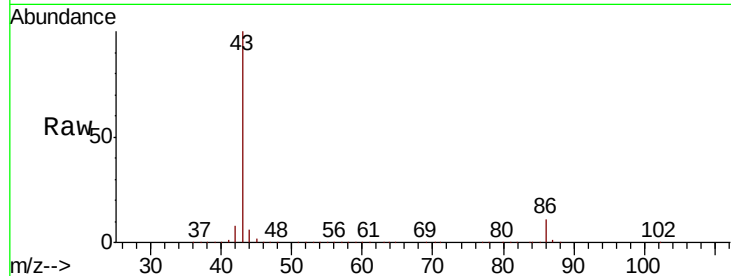
86 11.3 8.9 13.3

Manual Integrations

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8/23/2018 9:40:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

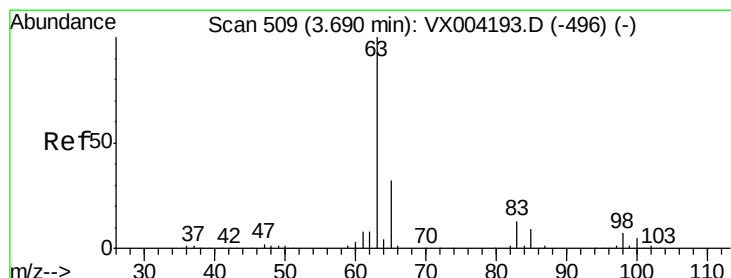
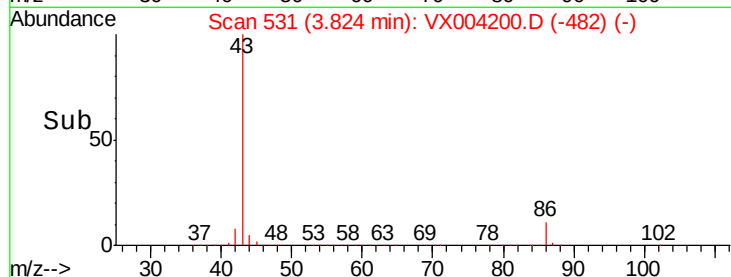
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 19.26 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

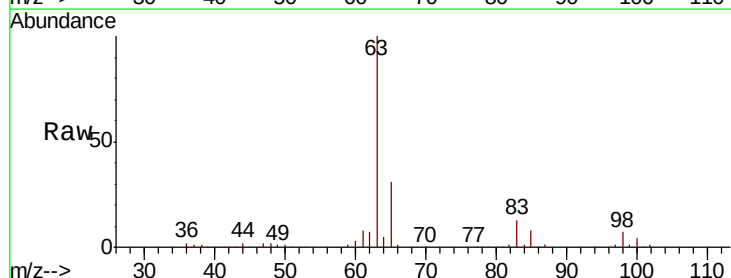
Tgt Ion: 63 Resp: 139152

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

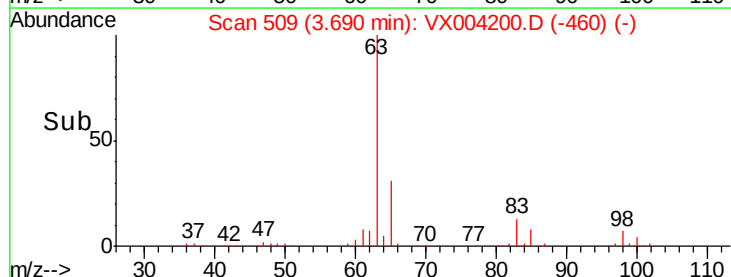
60000

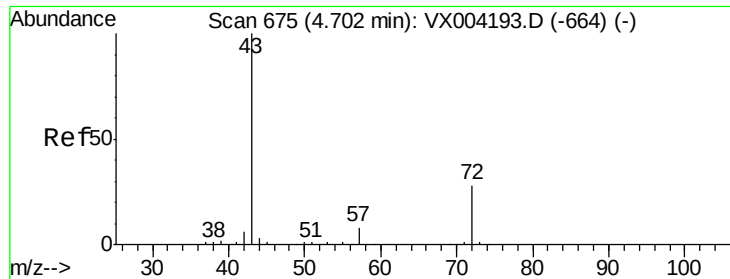
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 96.11 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion: 43 Resp: 291623

Ion Ratio Lower Upper

43 100

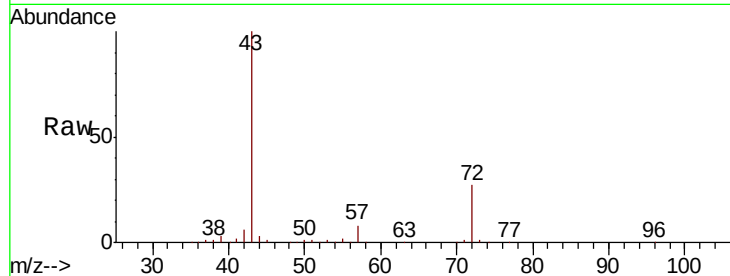
72 26.6 22.0 33.0

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

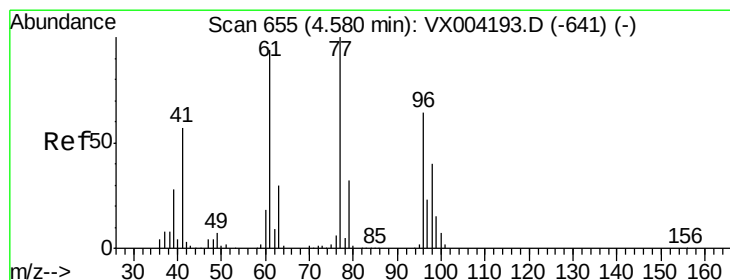
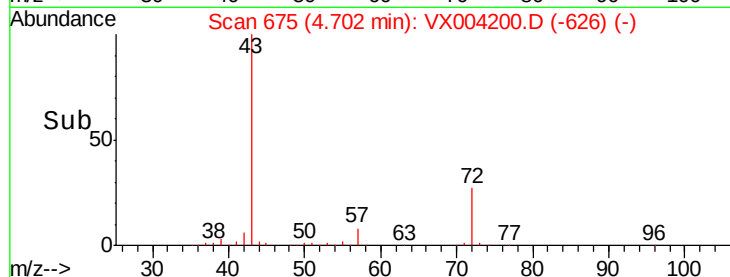
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.54 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004200.D

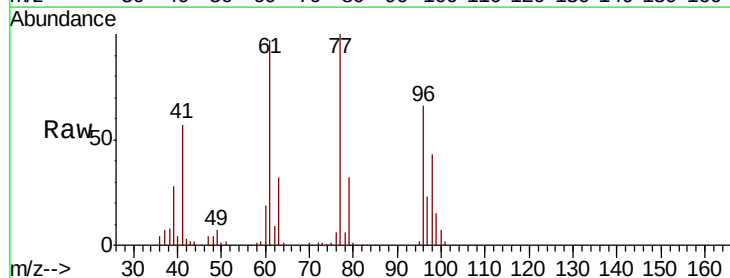
Acq: 22 Aug 2018 15:57

Tgt Ion: 77 Resp: 110761

Ion Ratio Lower Upper

77 100

97 23.9 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

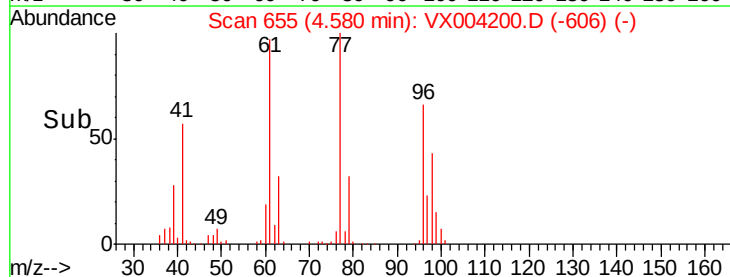
20000

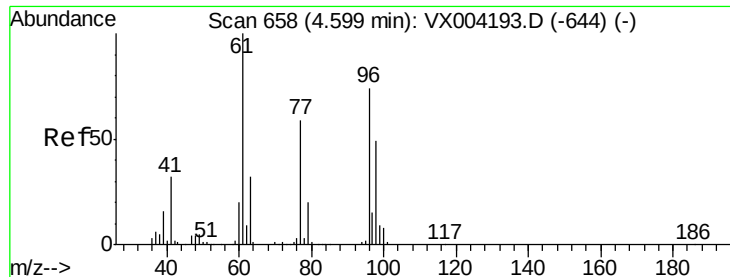
10000

0

4.50 4.60 4.70

Time-->





#27

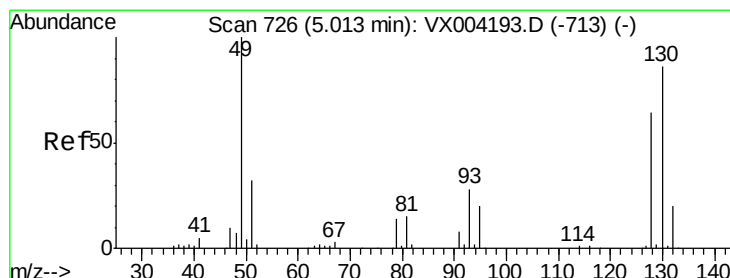
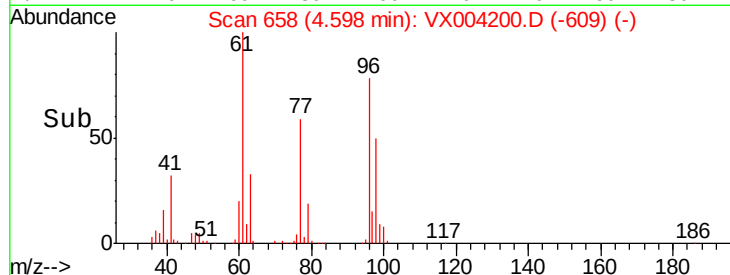
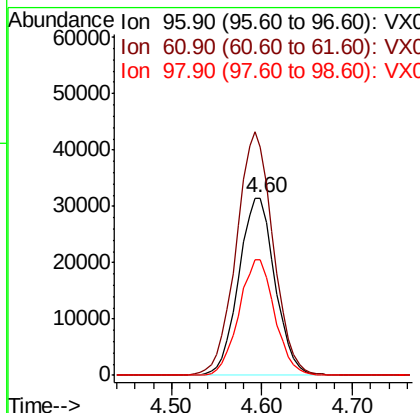
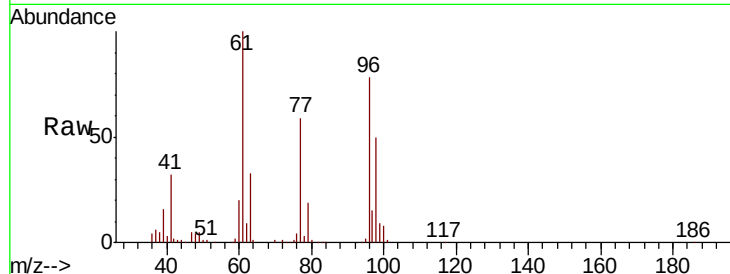
cis-1,2-Dichloroethene
 Concen: 19.24 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	87312		
61	139.9	0.0	282.6	
98	64.2	0.0	130.2	

Manual Integrations
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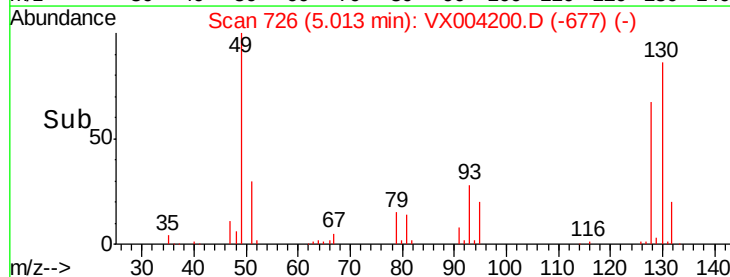
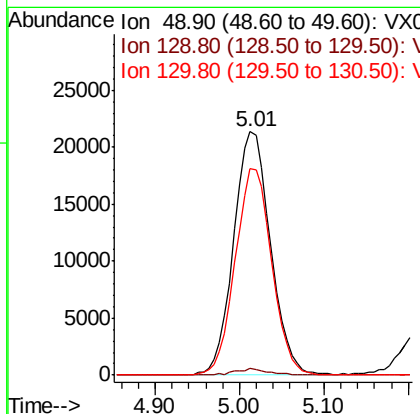
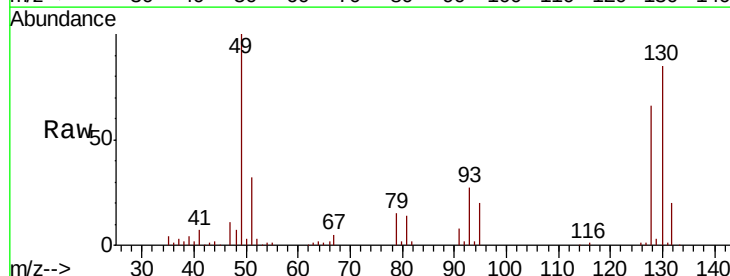
MMDadoda
 8/23/2018 9:40:20 AM

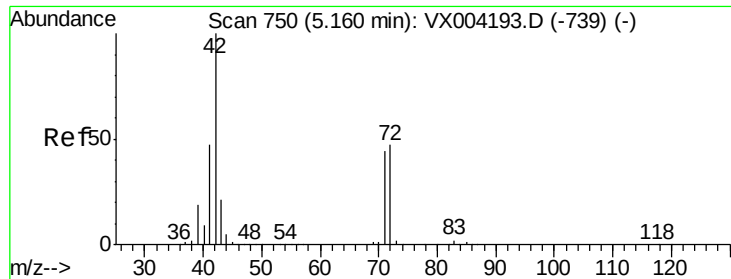


#28

Bromochloromethane
 Concen: 19.77 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63262		
129	2.3	0.0	4.2	
130	84.0	67.5	101.3	





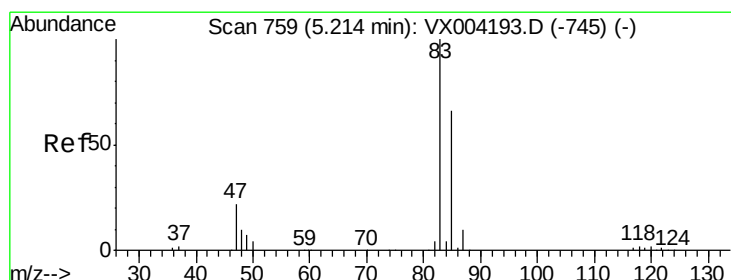
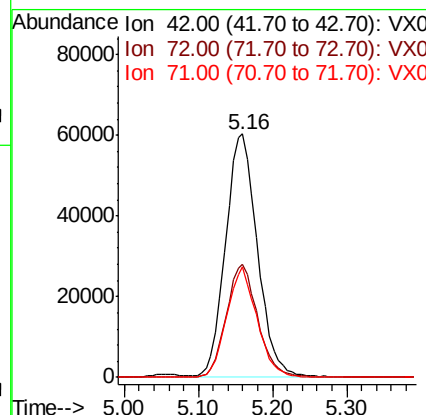
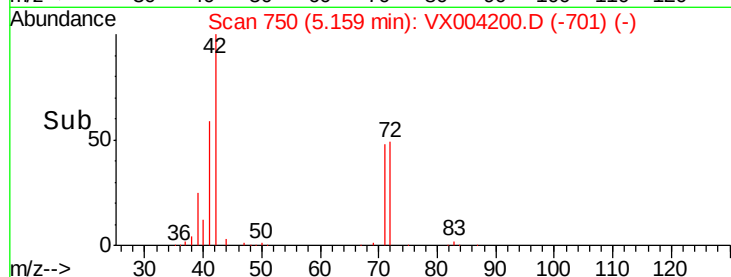
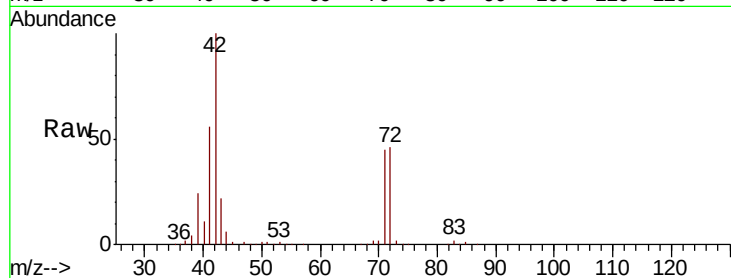
#29
Tetrahydrofuran
Concen: 93.78 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion:	42	Resp:	179186
Ion Ratio		Lower	Upper
42	100		
72	46.1	37.4	56.0
71	43.1	34.5	51.7

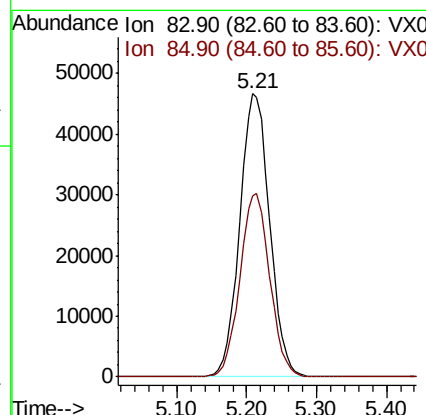
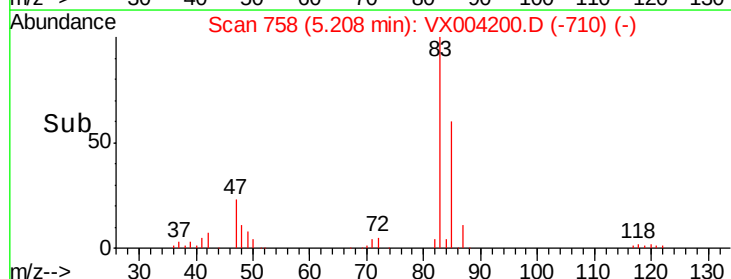
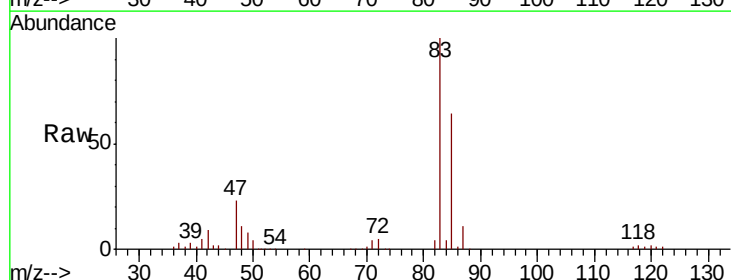
Manual Integrations
APPROVED

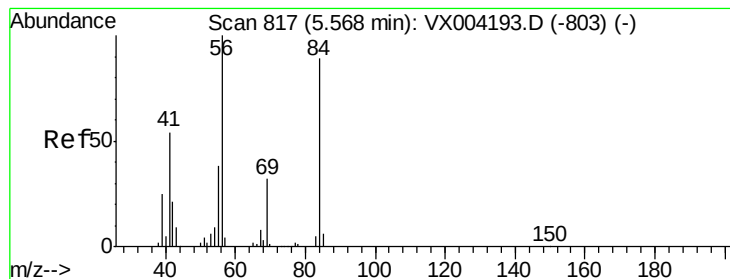
MMDadoda
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#30
Chloroform
Concen: 19.10 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion:	83	Resp:	138398
Ion Ratio		Lower	Upper
83	100		
85	63.8	52.6	79.0





#31

Cyclohexane

Concen: 19.77 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

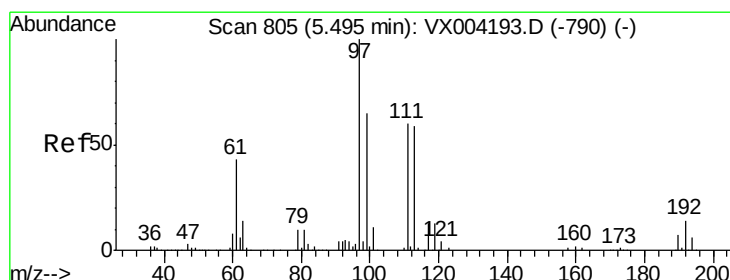
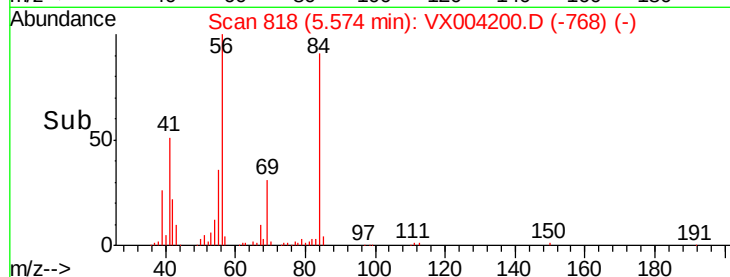
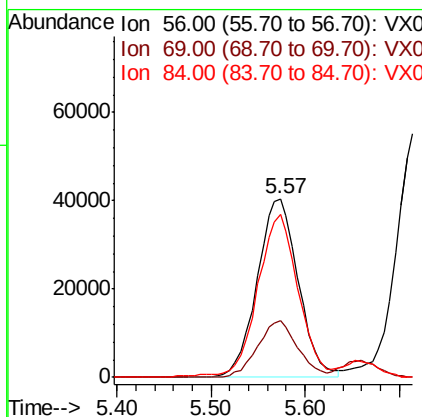
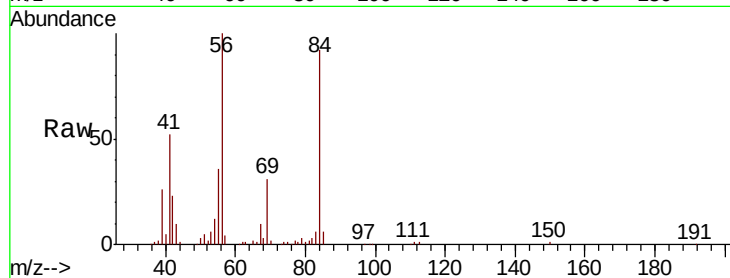
ClientSampleId :

VX0822WBS01

Tot Ion:	56	Resp:	123285
Ion Ratio	Lower	Upper	
56	100		
69	31.5	25.4	38.2
84	90.4	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.40 ug/l

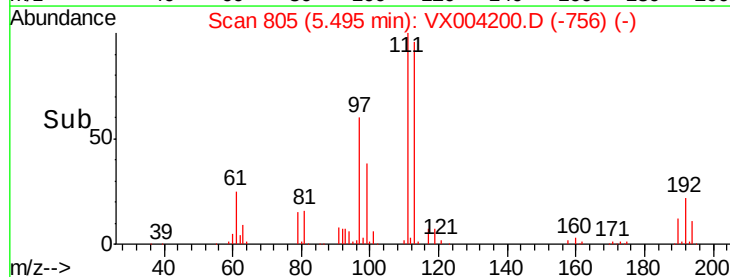
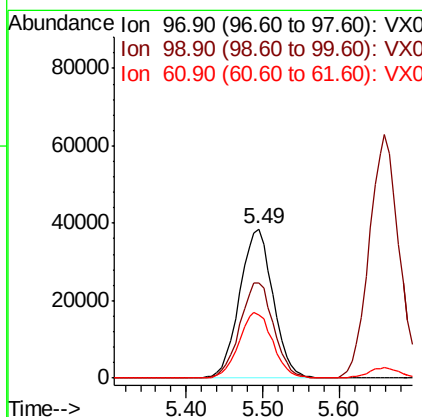
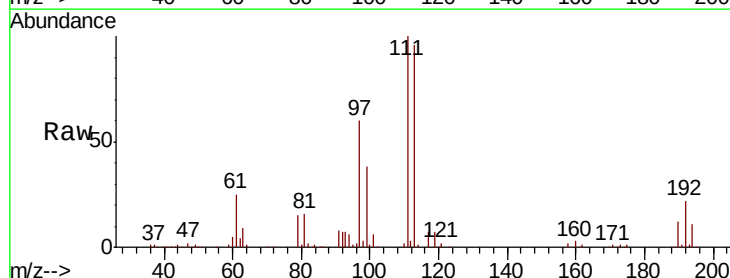
RT: 5.49 min Scan# 805

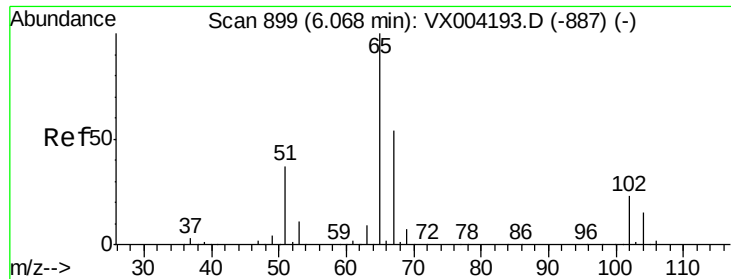
Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion:	97	Resp:	117184
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.0	78.0
61	44.6	34.9	52.3





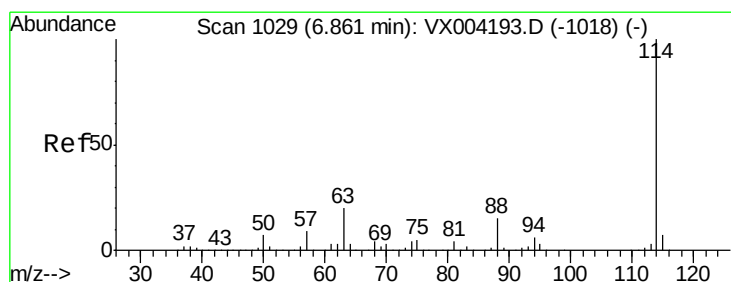
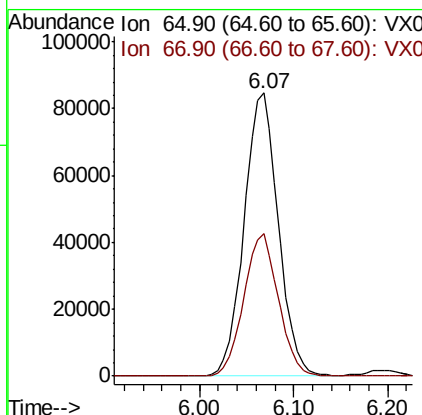
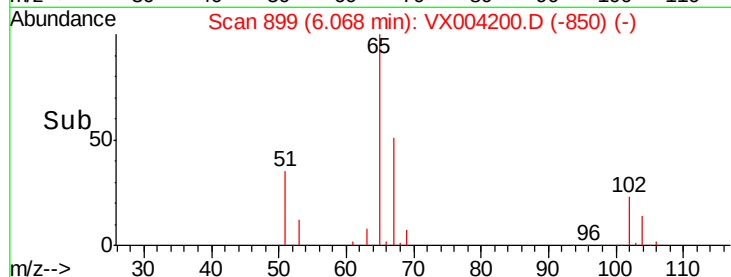
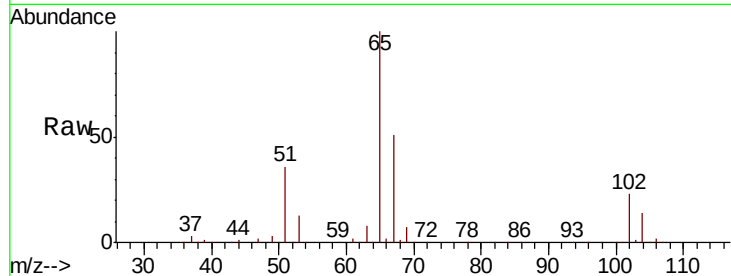
#33
 1,2-Dichloroethane-d4
 Concen: 48.55 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215926		
67	51.0		0.0	106.8

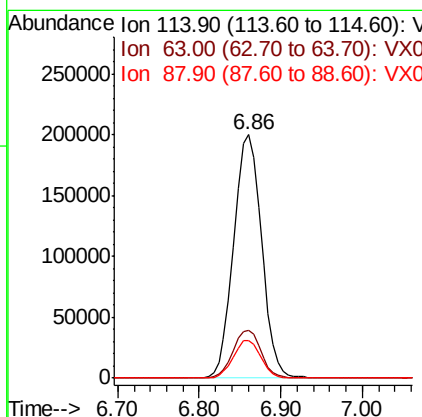
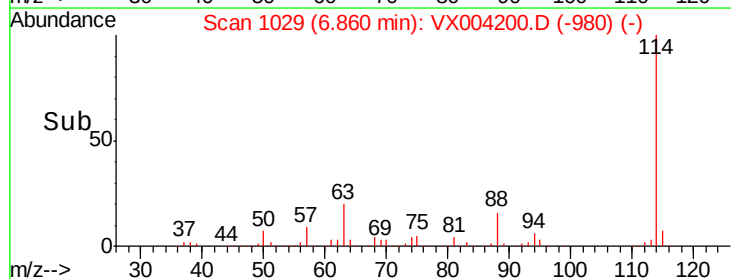
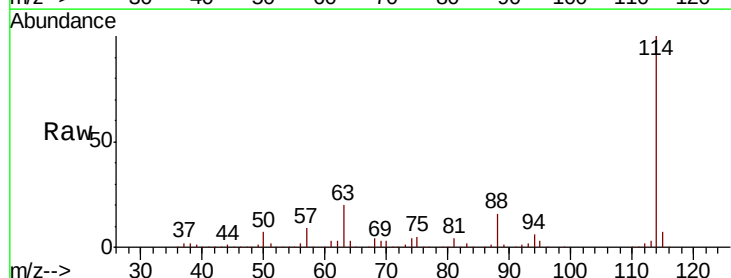
Manual Integrations
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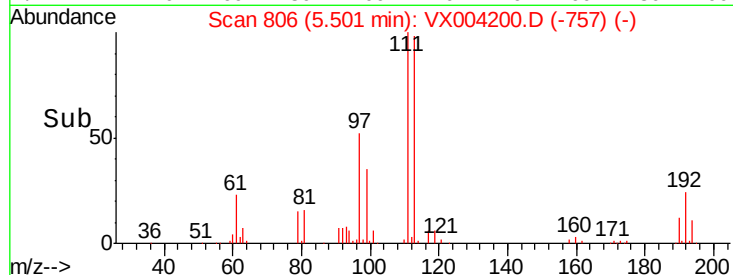
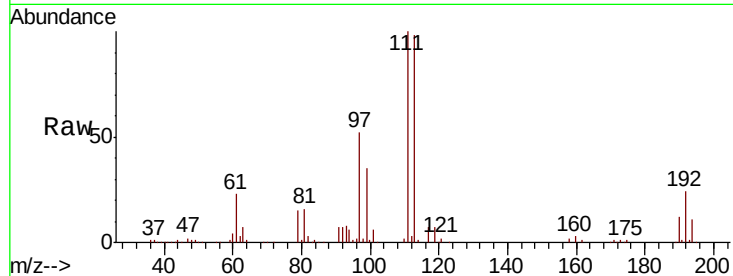
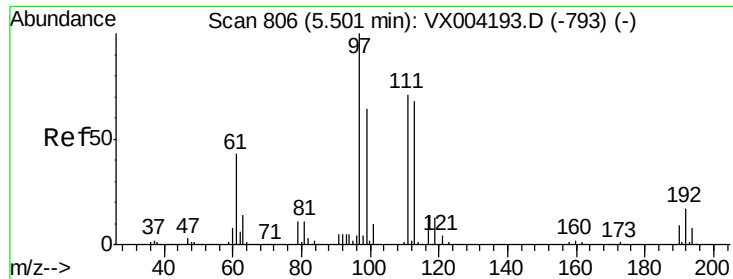
MMDadoda
 8/23/2018 9:40:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	474738		
63	19.7		0.0	39.0
88	15.5		0.0	30.4





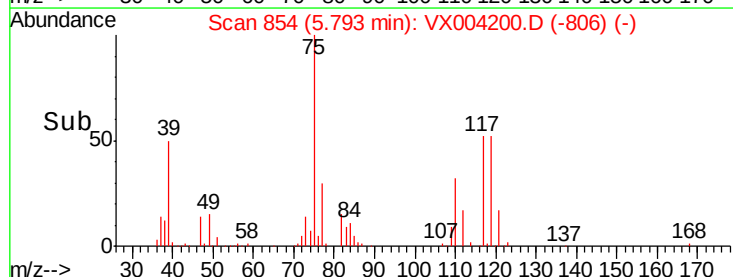
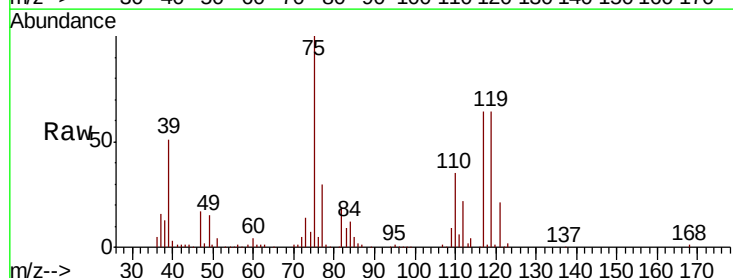
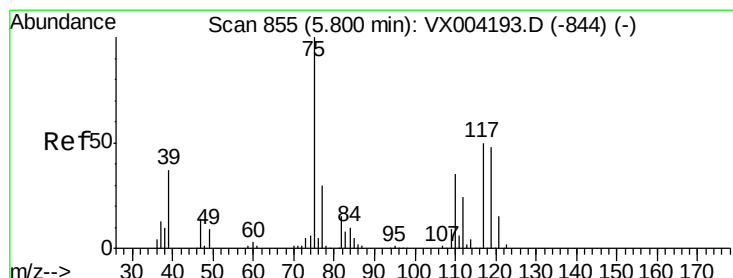
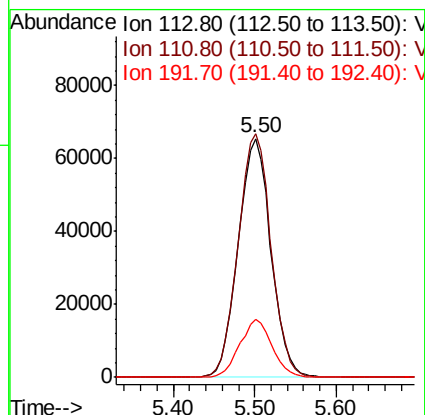
#35
Dibromofluoromethane
Concen: 51.58 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182165		
111	102.4	82.4	123.6	
192	23.8	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

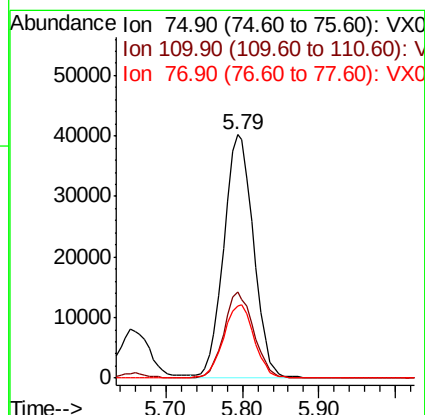
Manual Integrations
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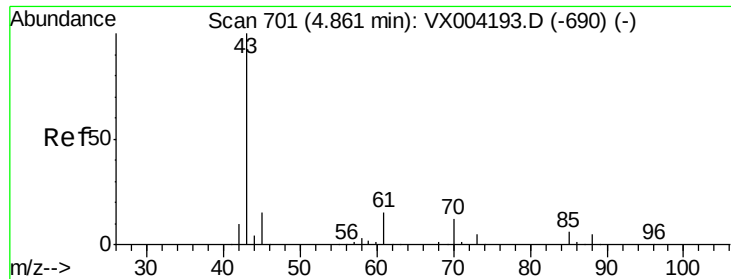
MMDadoda
8/23/2018 9:40:20 AM



#36
1,1-Dichloropropene
Concen: 20.34 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108573		
110	35.1	18.0	54.0	
77	31.0	24.6	36.8	





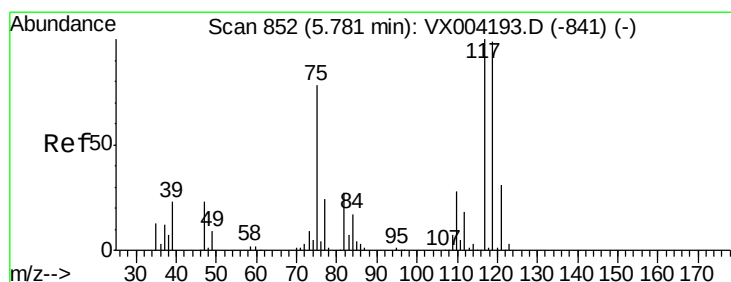
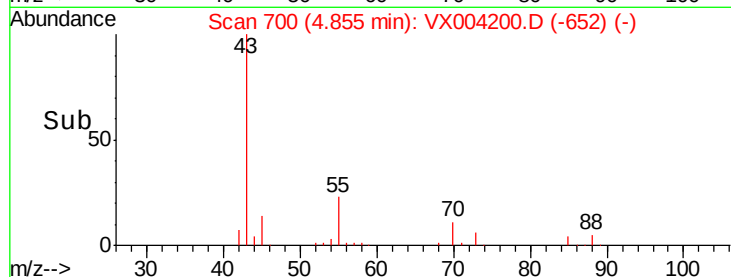
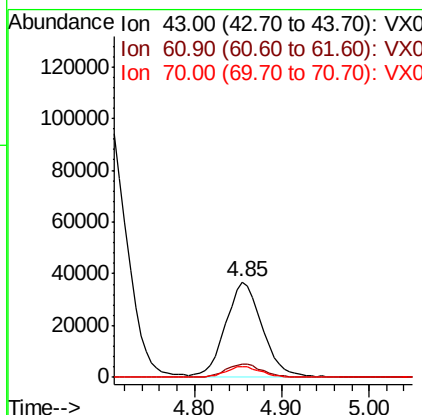
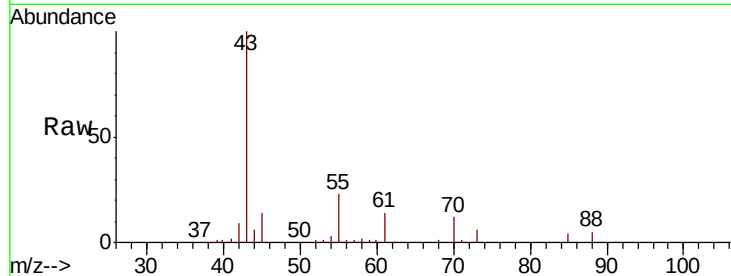
#37
Ethyl Acetate
Concen: 20.21 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.1	9.0	13.6

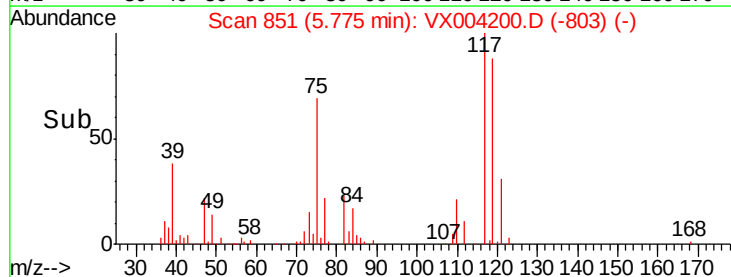
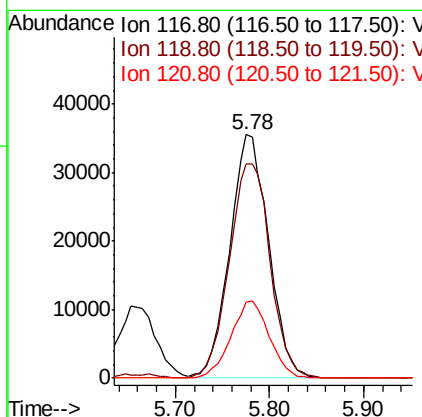
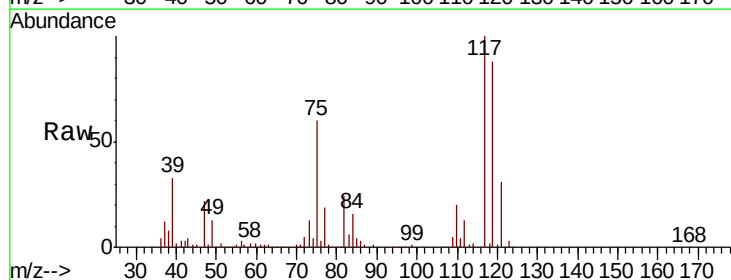
Manual Integrations
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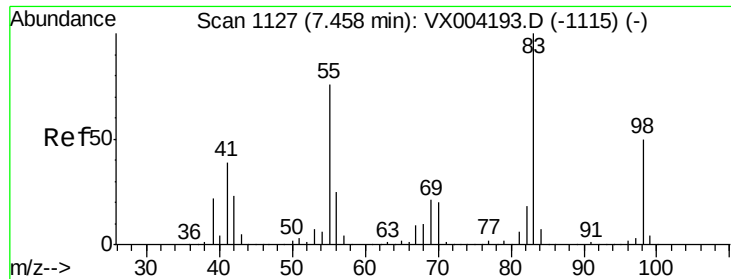
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#38
Carbon Tetrachloride
Concen: 20.35 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.9	78.8	118.2
121	31.0	24.9	37.3





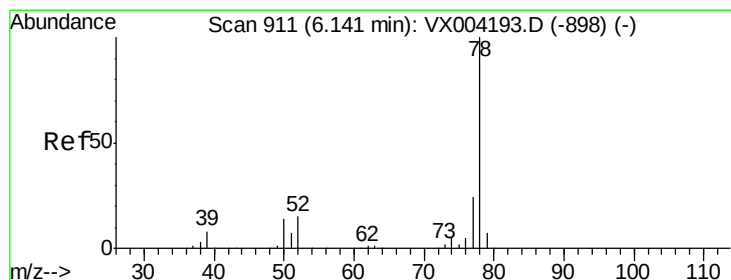
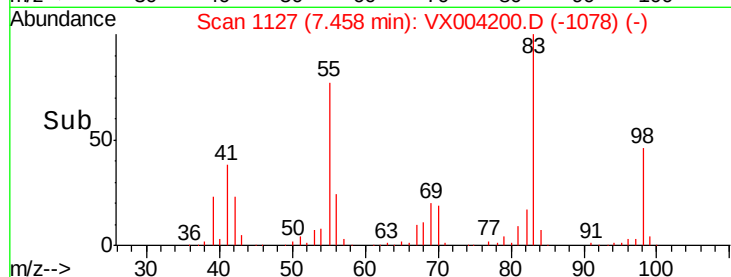
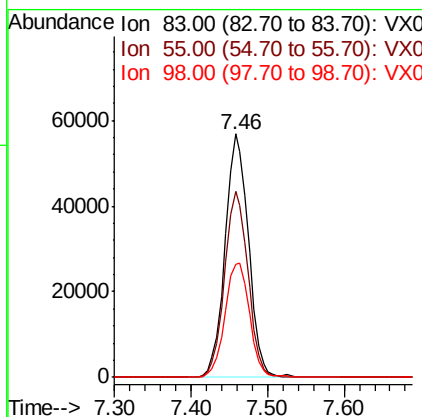
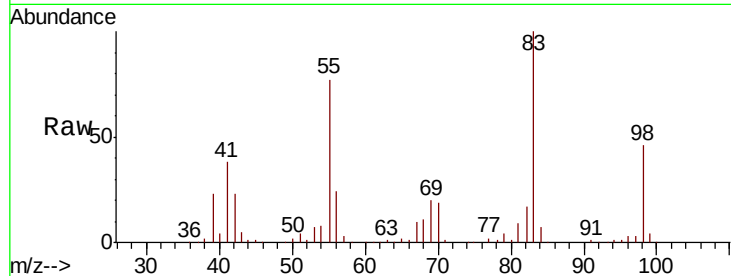
#39
Methylvlcyclohexane
Concen: 19.81 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.5	61.0	91.4	
98	46.4	39.6	59.4	

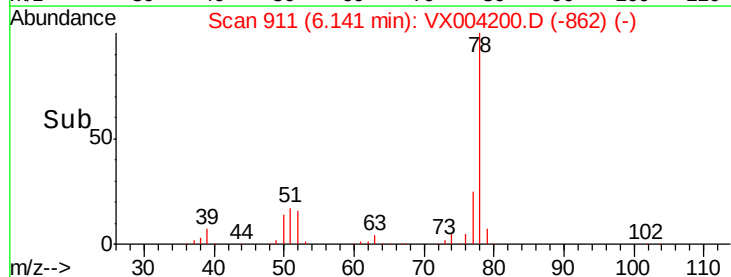
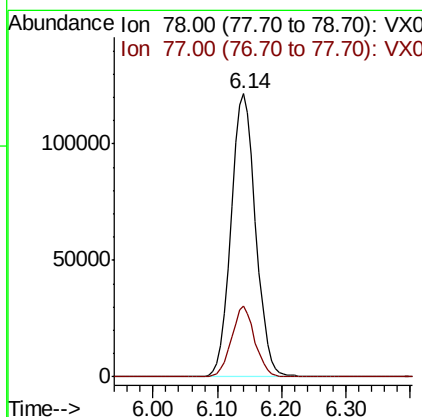
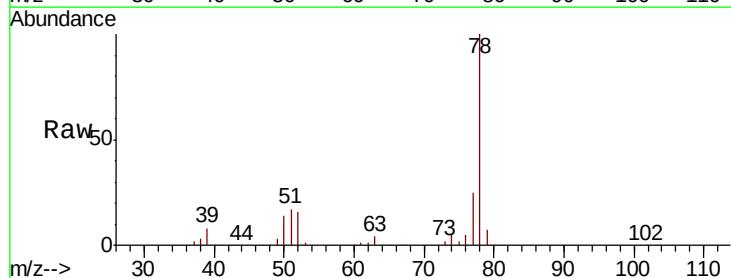
Manual Integrations
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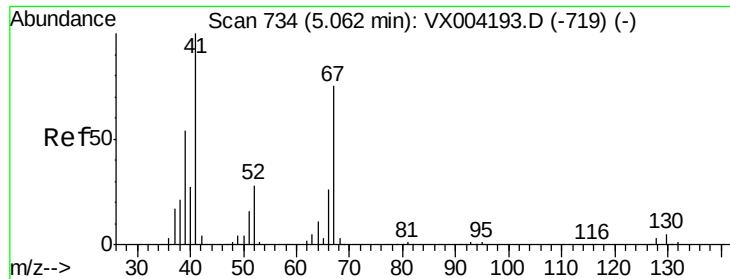
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#40
Benzene
Concen: 20.33 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.2	19.0	28.4	





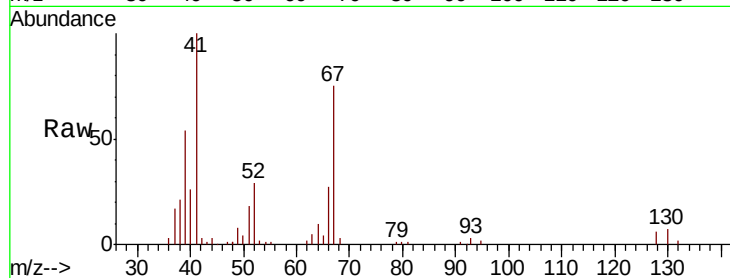
#41
Methacrylonitrile
Concen: 19.65 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.4	63.6	
67	74.6	59.2	88.8	
52	31.3	23.0	34.4	

Manual Integrations
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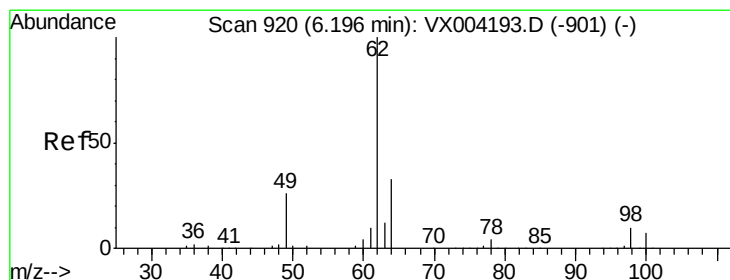
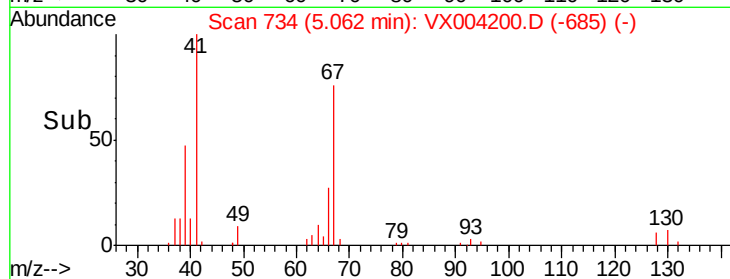
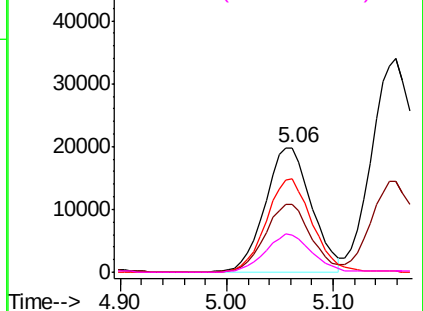
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

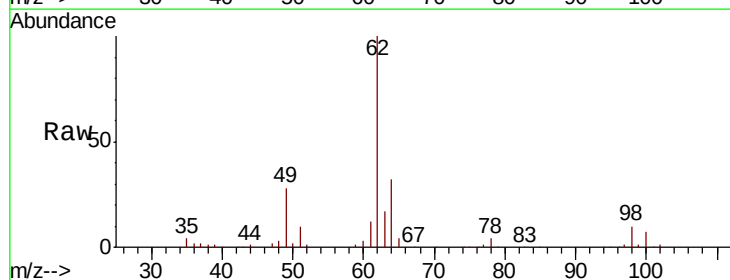
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 20.12 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

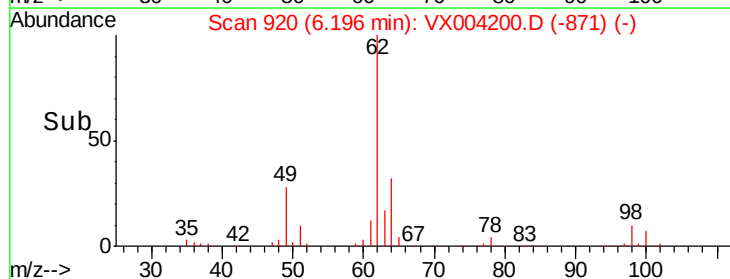
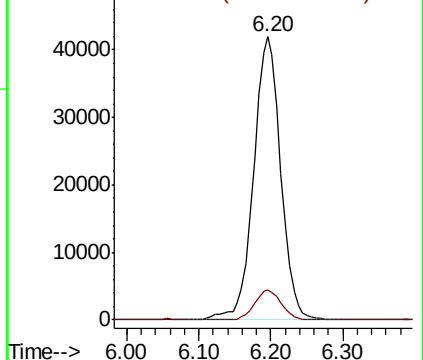
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	

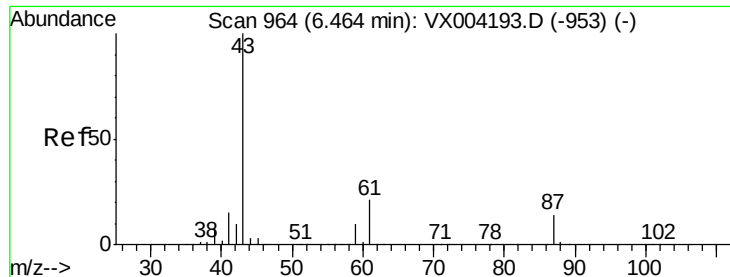


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.72 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

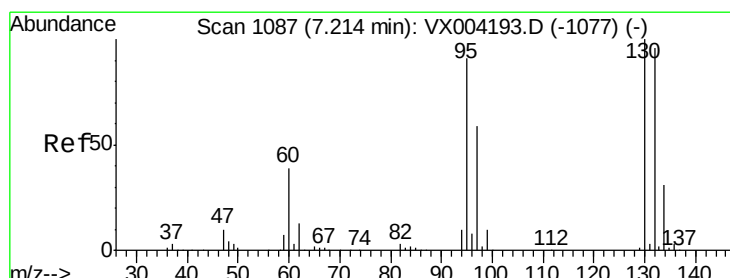
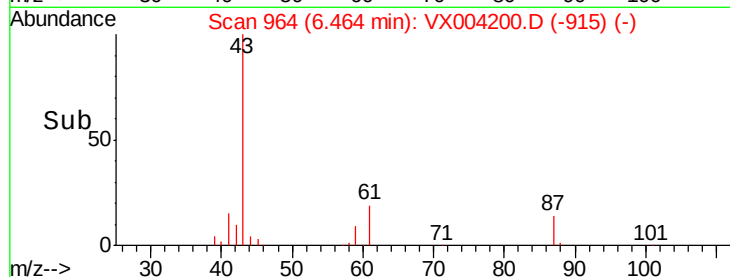
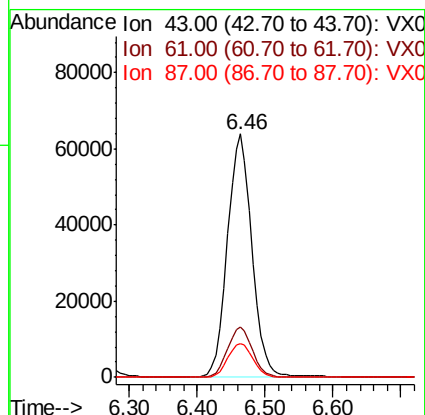
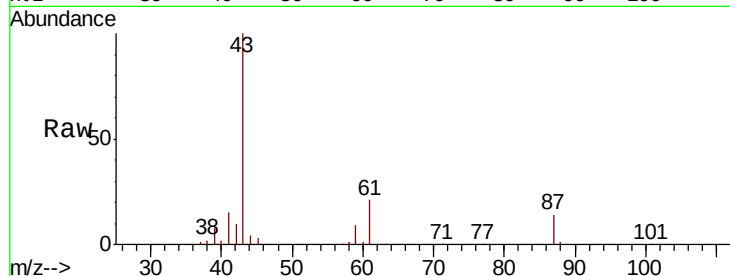
ClientSampleId :

VX0822WBS01

Tot Ion:	43	Resp:	159023
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	14.2	11.4	17.2

Manual Integrations
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8/23/2018 9:40:20 AM



#44

Trichloroethene

Concen: 19.61 ug/l

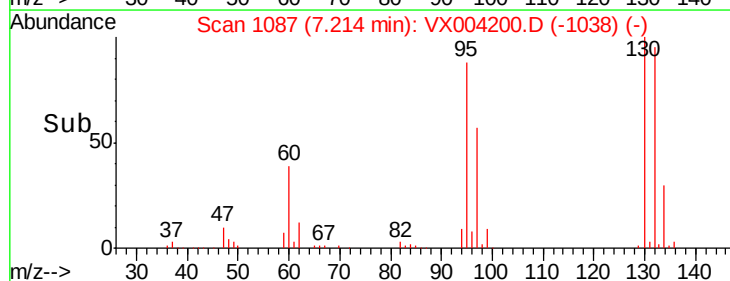
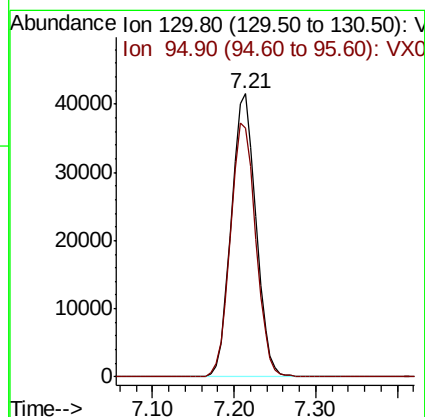
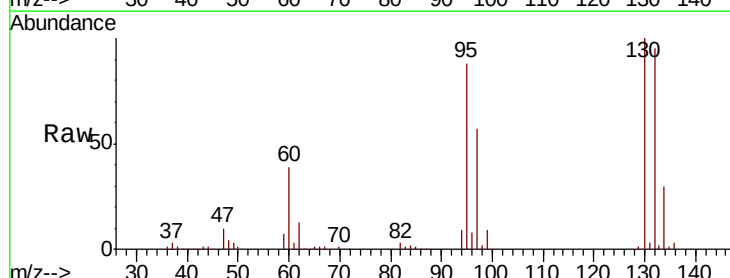
RT: 7.21 min Scan# 1087

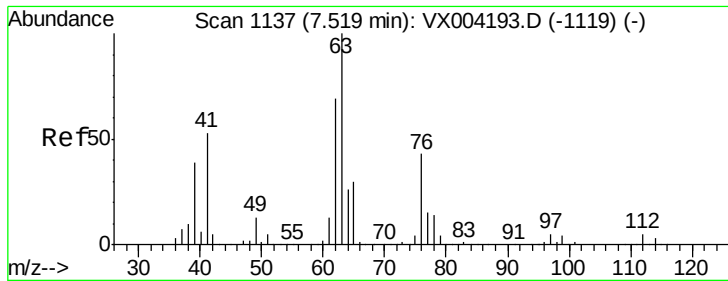
Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion:	130	Resp:	86583
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	181.6





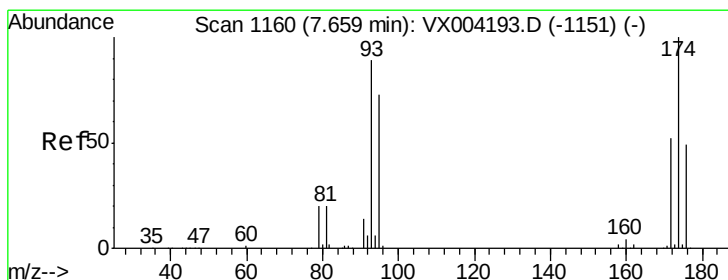
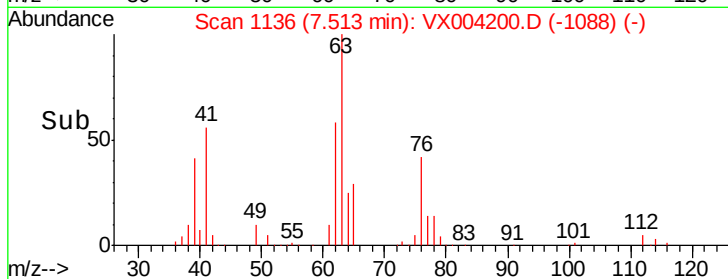
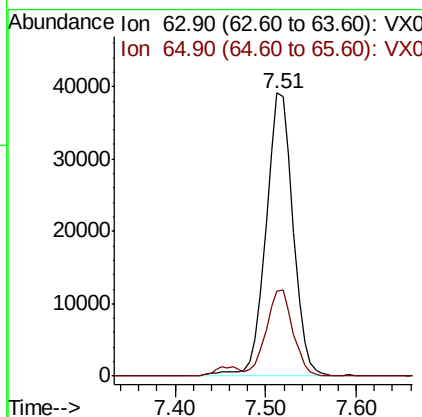
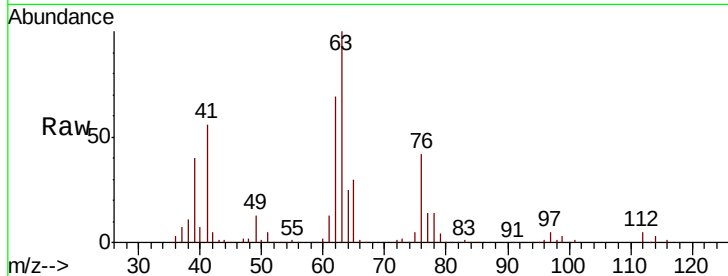
#45
 1,2-Dichloropropane
 Concen: 20.29 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.3	36.5

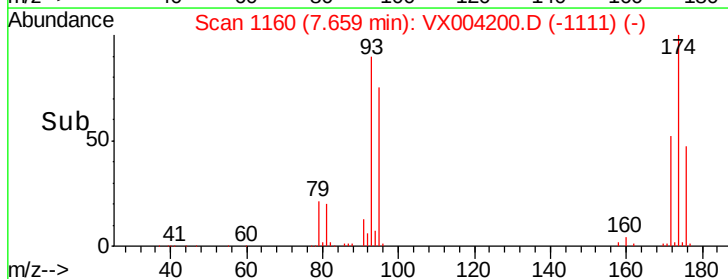
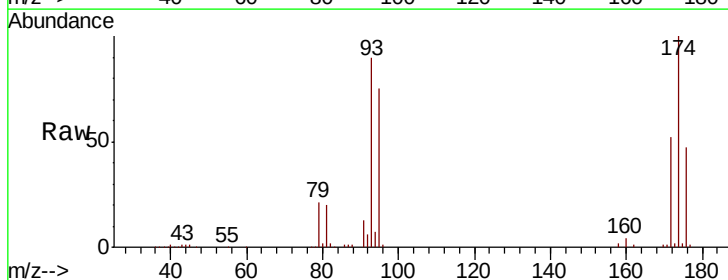
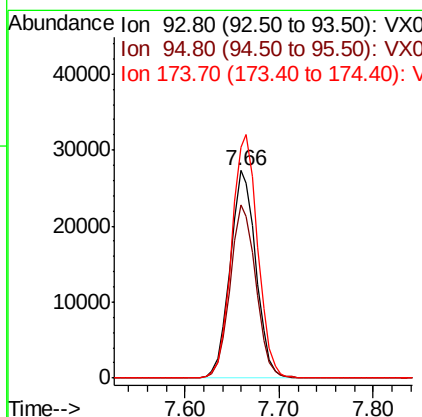
Manual Integrations
 APPROVED

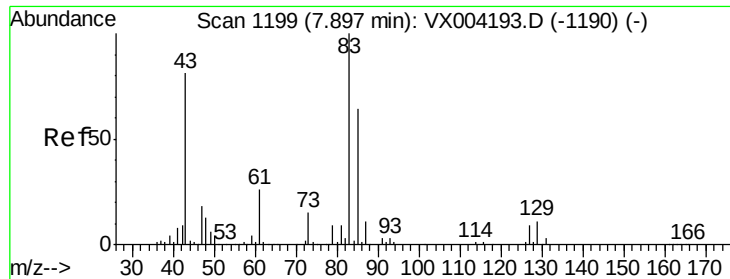
MMDadoda
 8/23/2018 9:40:20 AM



#46
 Dibromomethane
 Concen: 19.47 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.5	98.3
174	118.6	94.2	141.4





#47

Bromodichloromethane

Concen: 19.74 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

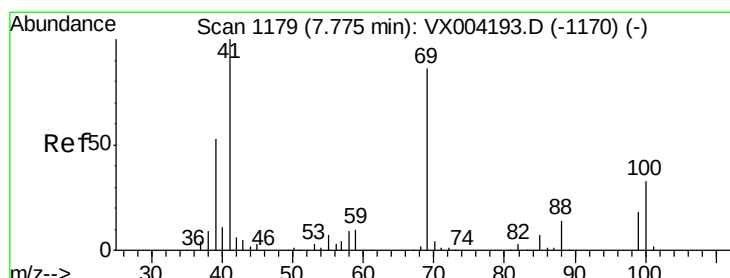
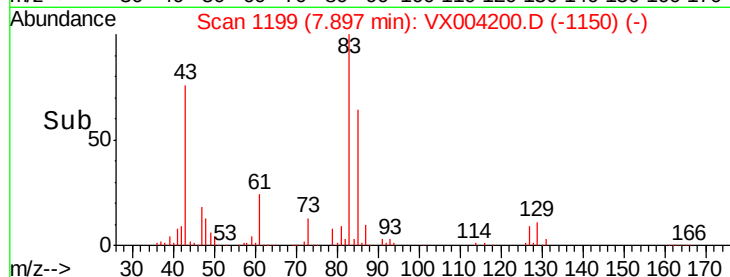
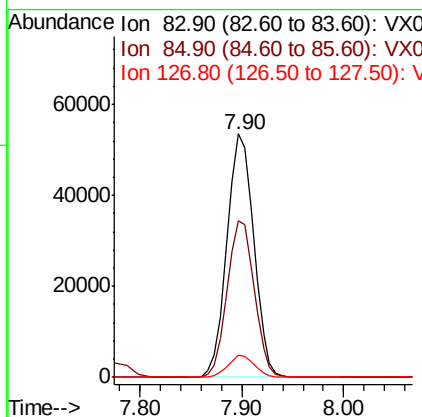
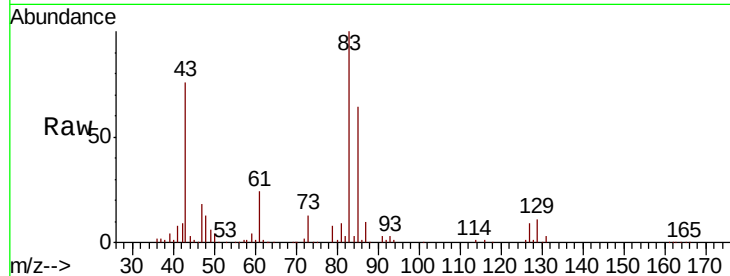
ClientSampleId :

VX0822WBS01

Tot Ion:	83	Resp:	97627
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/23/2018 9:40:20 AM



#48

Methyl methacrylate

Concen: 19.48 ug/l

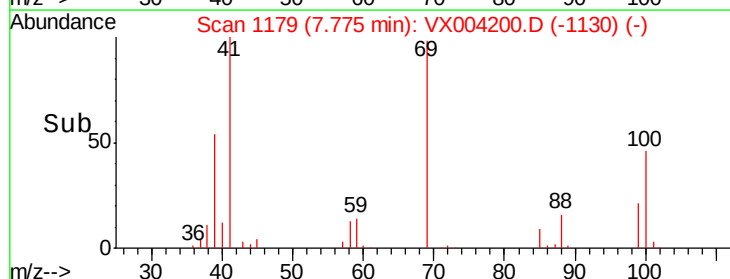
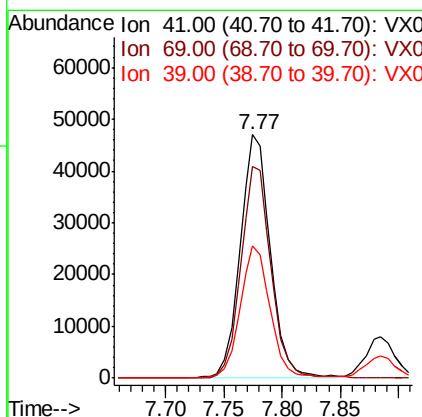
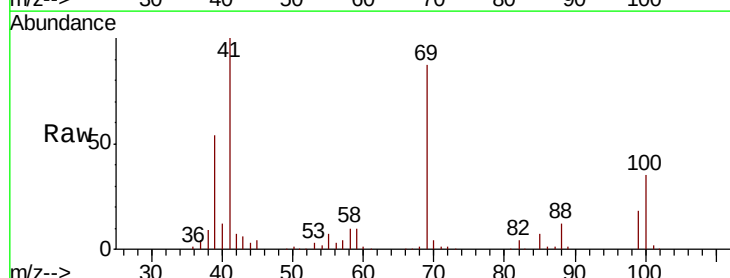
RT: 7.77 min Scan# 1179

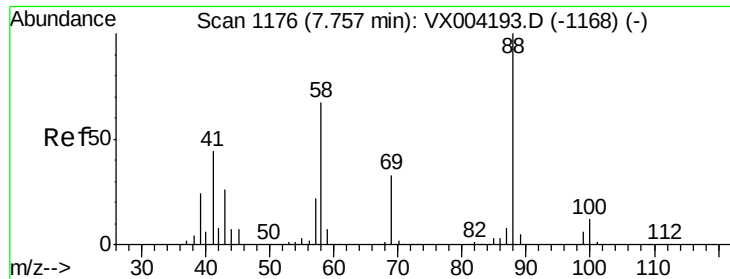
Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion:	41	Resp:	84069
Ion	Ratio	Lower	Upper
41	100		
69	88.2	70.2	105.4
39	54.6	42.7	64.1





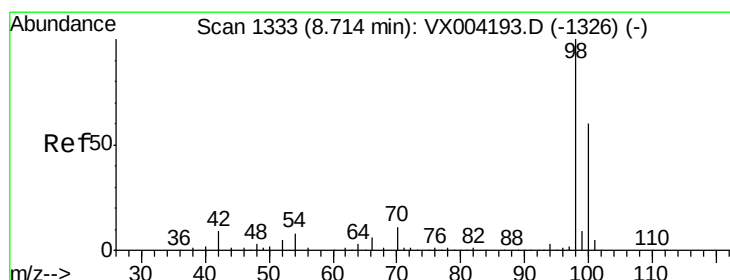
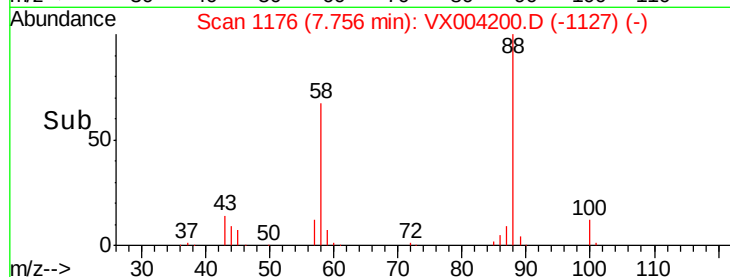
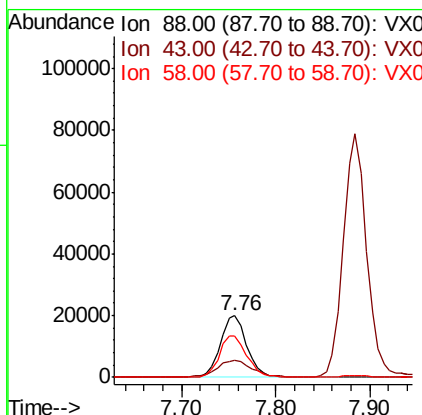
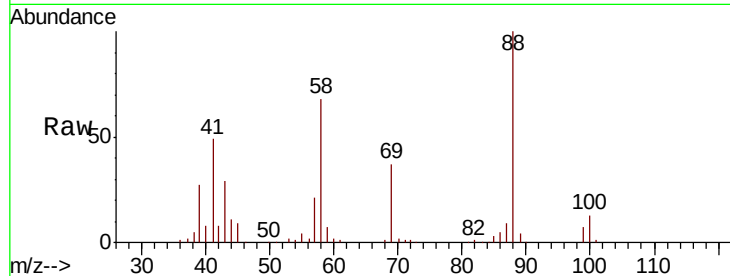
#49
1,4-Dioxane
Concen: 394.40 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampled :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	24.7	37.1
58	70.3	55.3	82.9

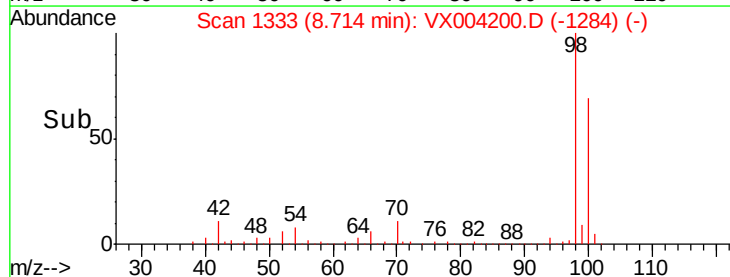
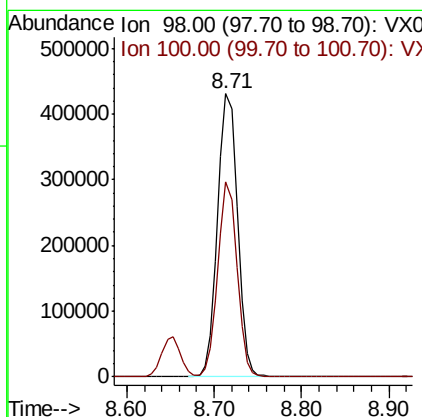
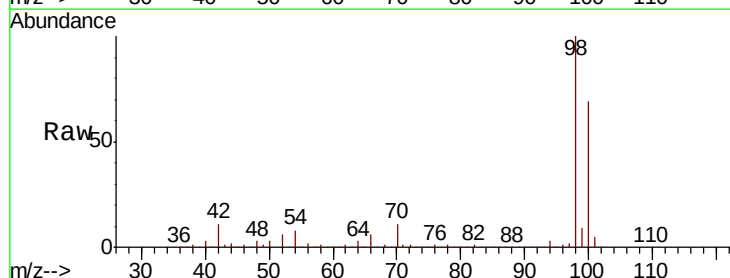
Manual Integrations
APPROVED

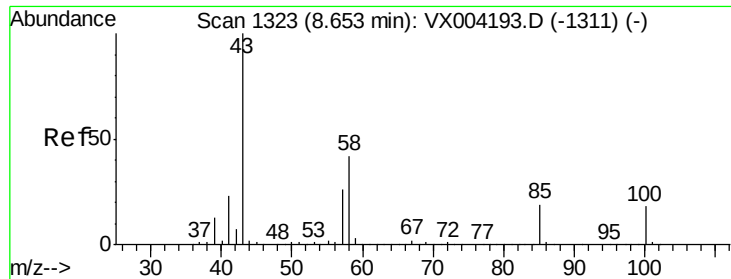
MMDadoda
8/23/2018 9:40:20 AM



#50
Toluene-d8
Concen: 51.20 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 92.88 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion: 43 Resp: 544318

Ion Ratio Lower Upper

43 100

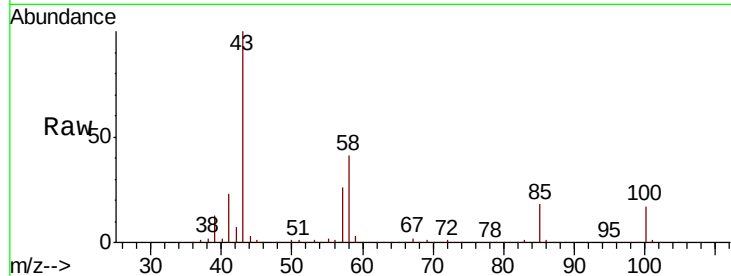
58 41.0 33.1 49.7

Manual Integrations

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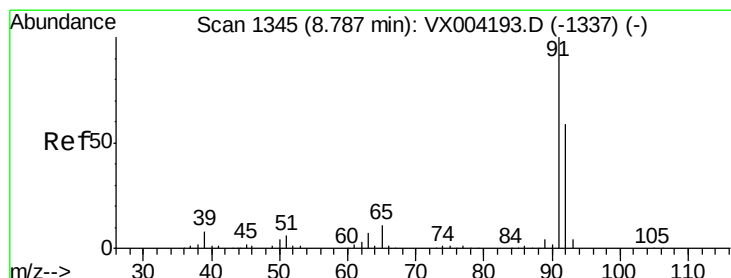
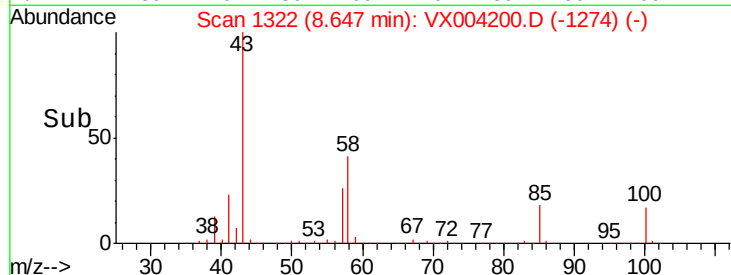
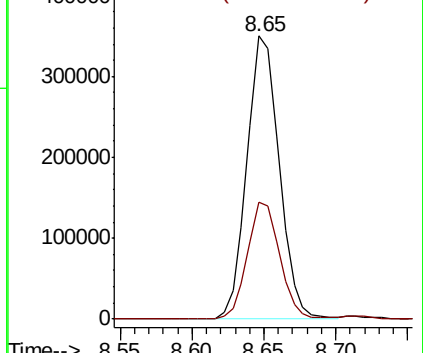
MMDadoda

8/23/2018 9:40:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.26 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004200.D

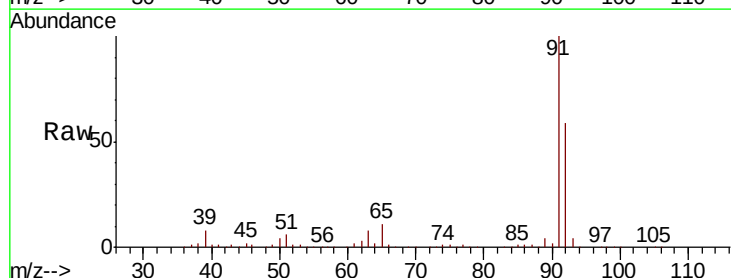
Acq: 22 Aug 2018 15:57

Tgt Ion: 92 Resp: 202206

Ion Ratio Lower Upper

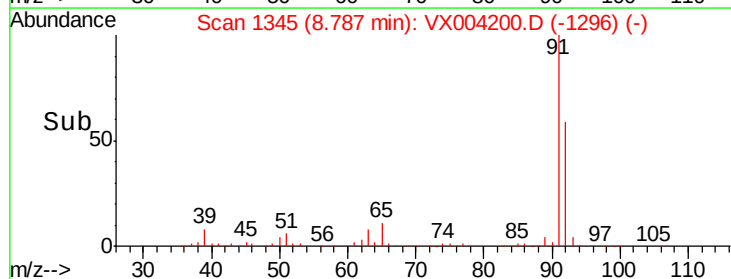
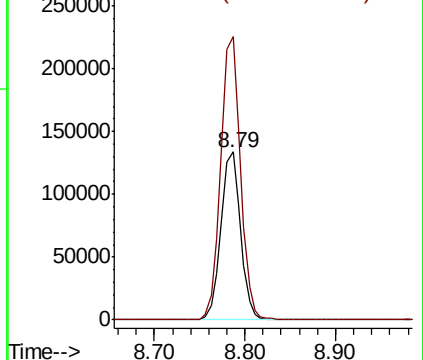
92 100

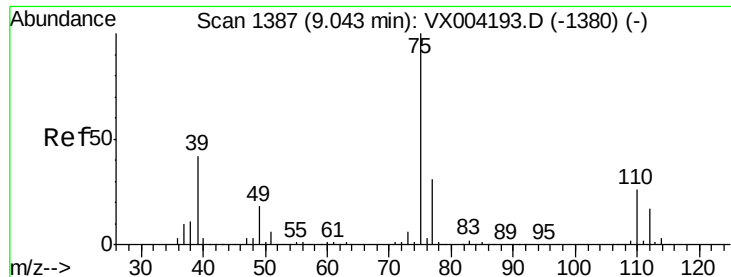
91 170.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





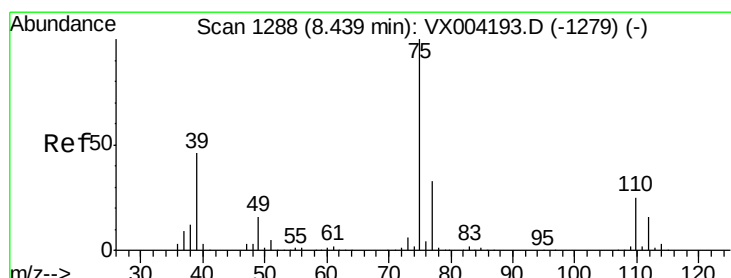
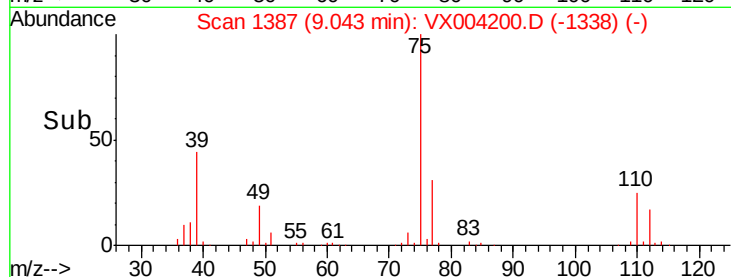
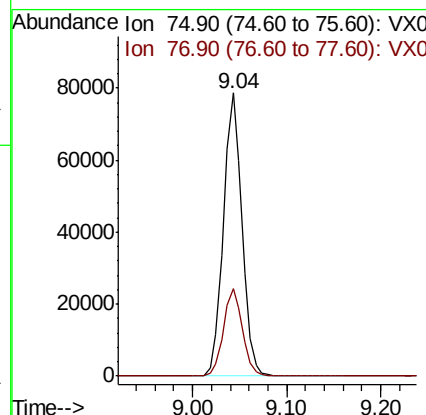
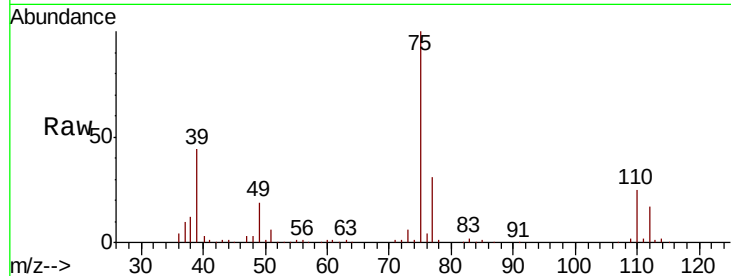
#53
 t-1,3-Dichloropropene
 Concen: 19.73 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion: 75 Resp: 107774
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0

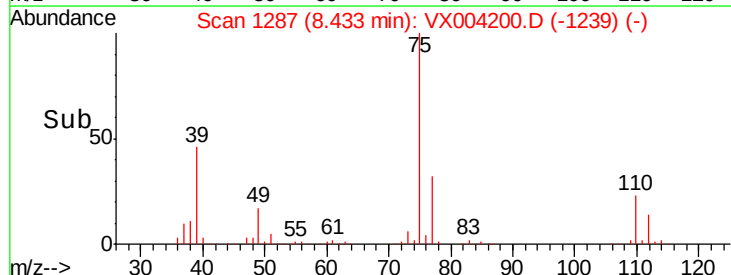
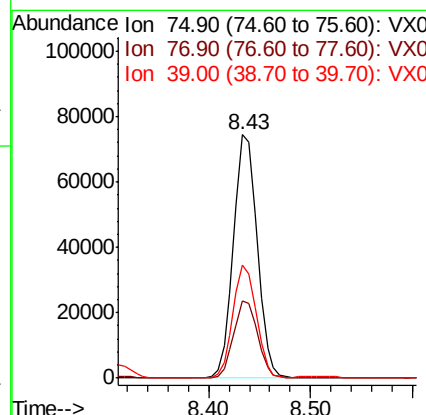
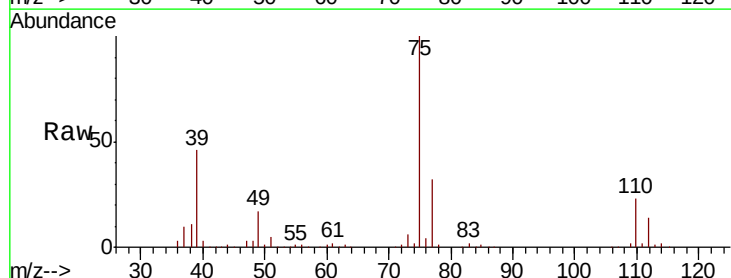
Manual Integrations
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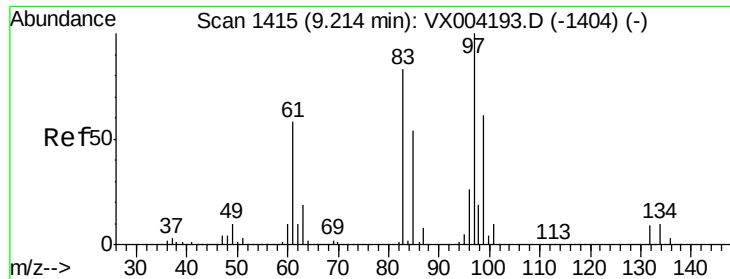
MMDadoda
 8/23/2018 9:40:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.17 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion: 75 Resp: 119988
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.2
 39 46.3 36.4 54.6





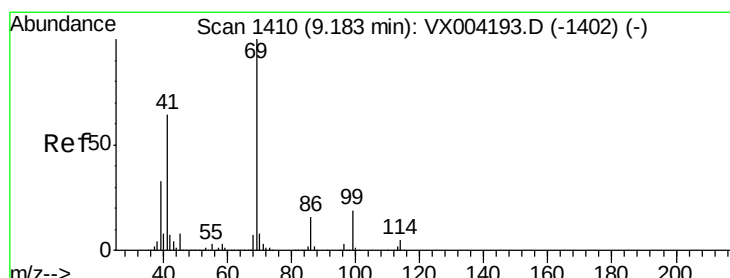
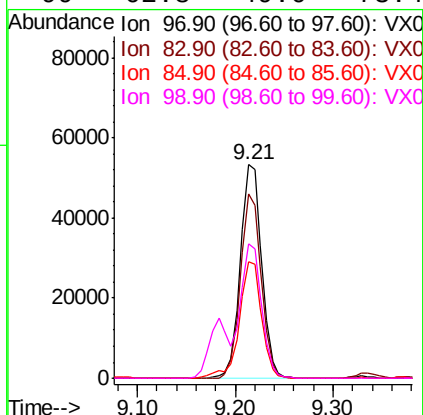
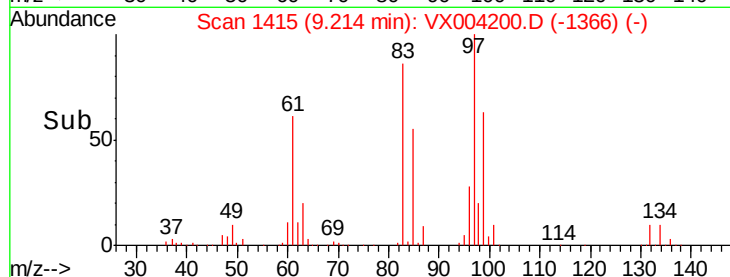
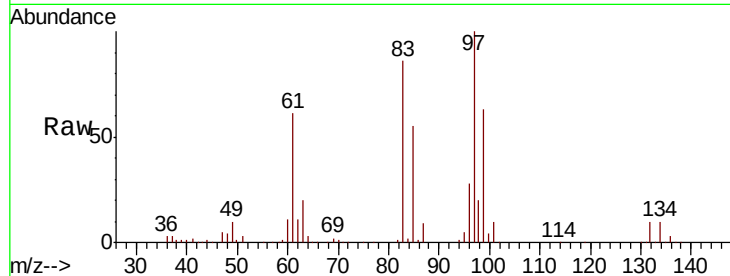
#55
 1,1,2-Trichloroethane
 Concen: 20.06 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80828		
83	86.2	66.4	99.6		
85	54.7	43.3	64.9		
99	62.8	49.0	73.4		

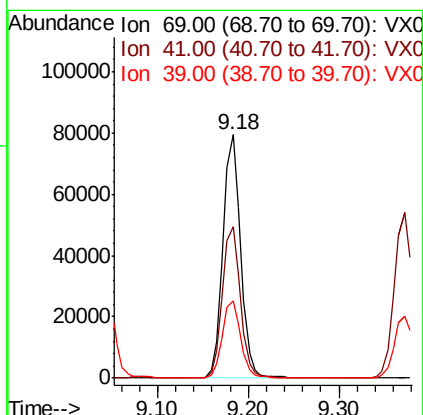
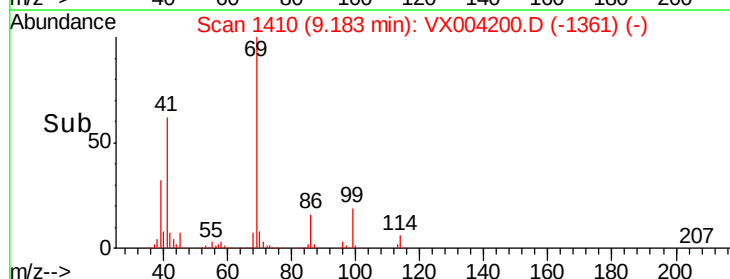
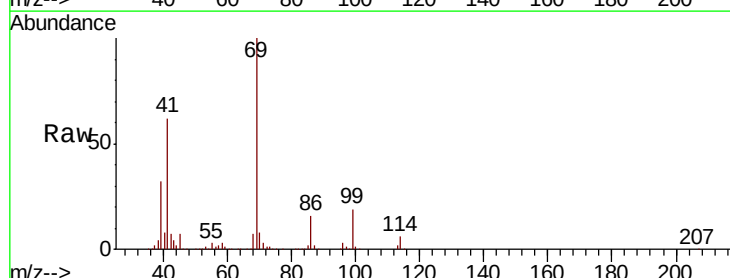
Manual Integrations
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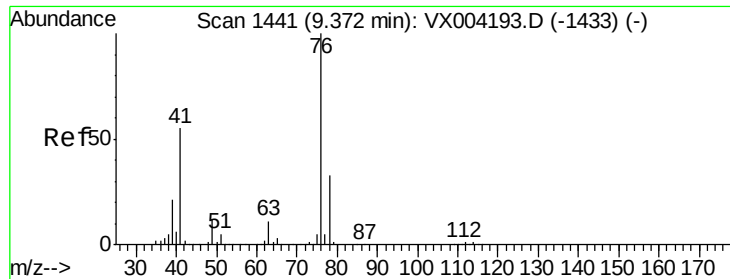
MMDadoda
 8/23/2018 9:40:20 AM



#56
 Ethyl methacrylate
 Concen: 19.76 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		108406		
41	63.4	51.0	76.4		
39	32.5	26.1	39.1		





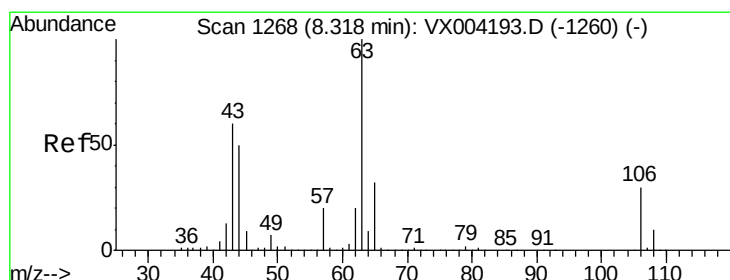
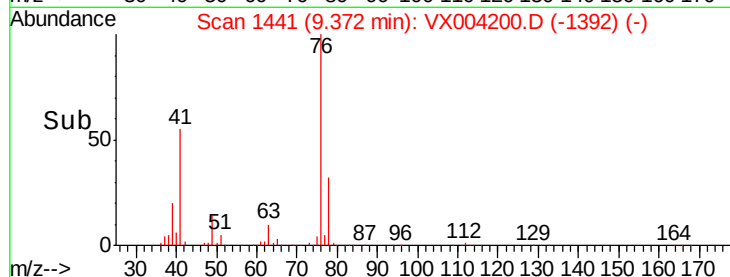
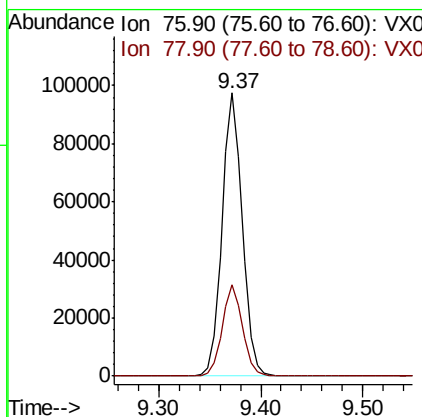
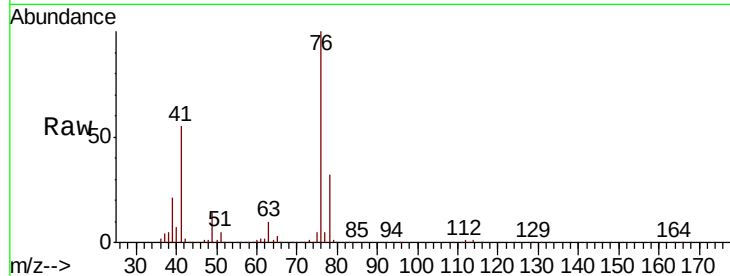
#57
 1,3-Dichloropropane
 Concen: 19.81 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

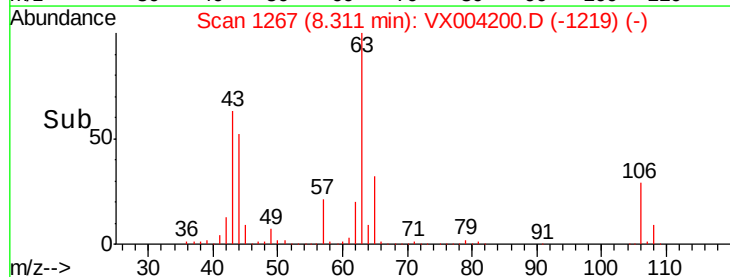
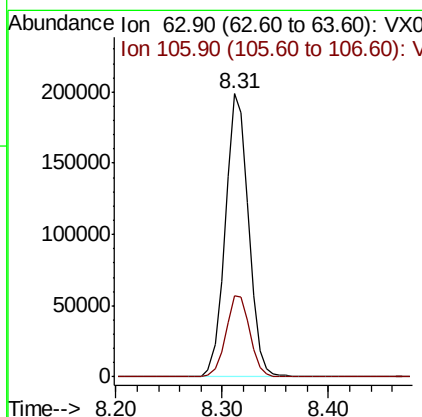
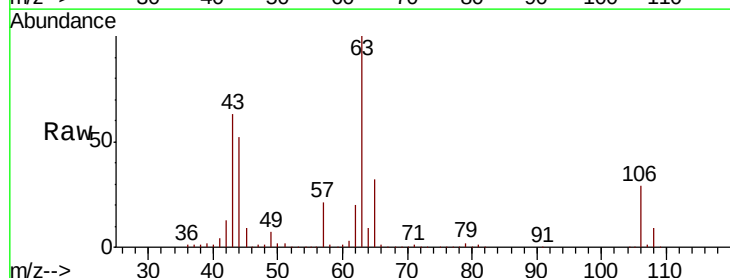
Manual Integrations
 APPROVED

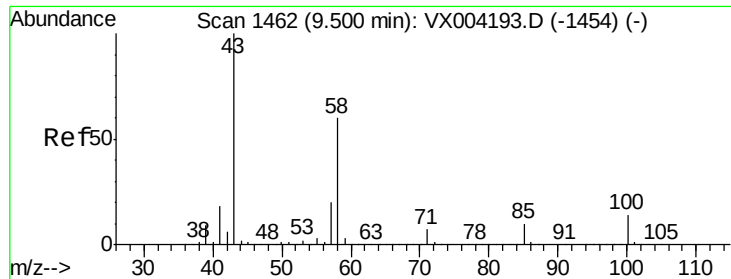
MMDadoda
 8/23/2018 9:40:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.00 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.9	35.9





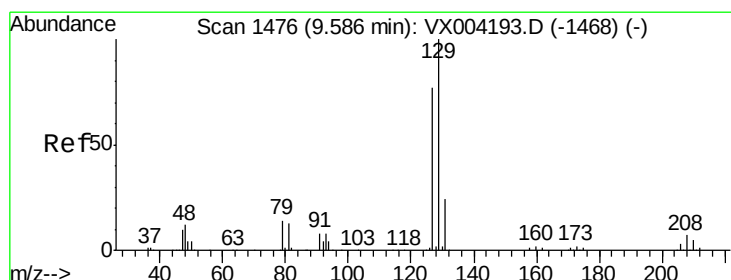
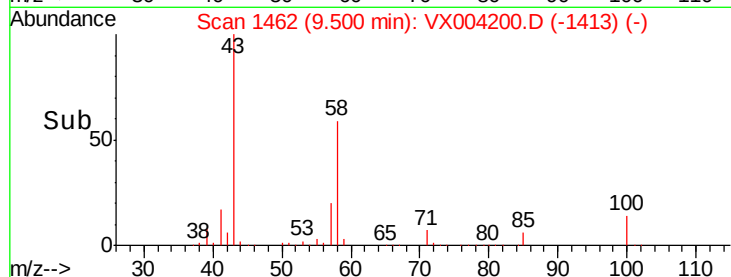
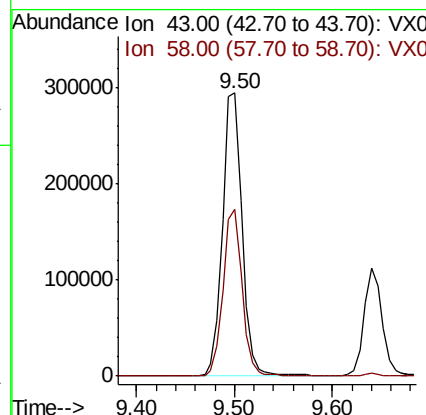
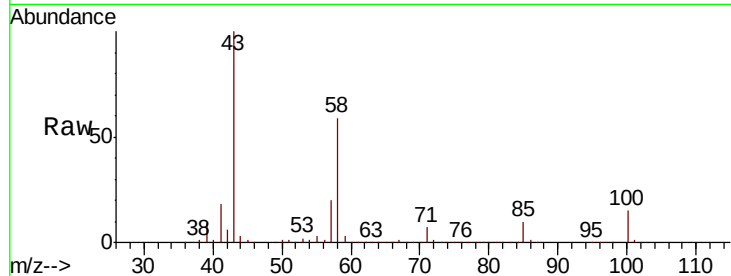
#59
 2-Hexanone
 Concen: 91.99 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.5	29.0	87.0

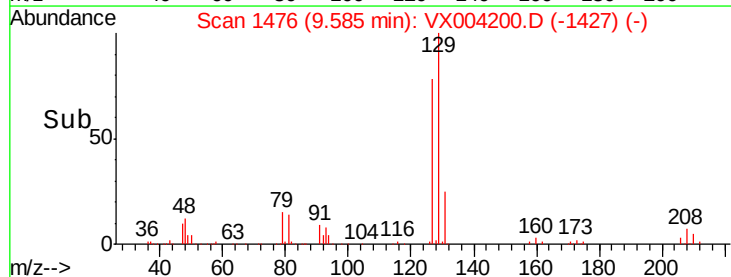
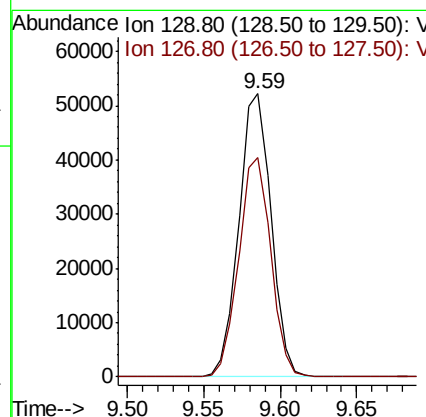
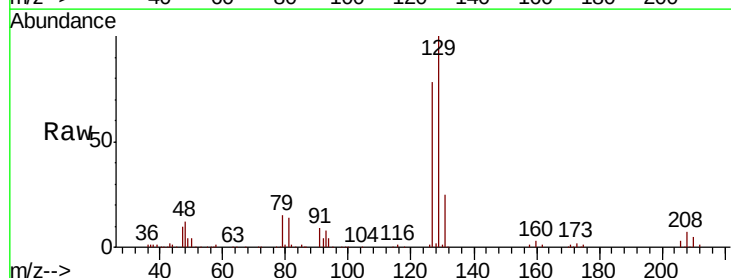
Manual Integrations
 APPROVED

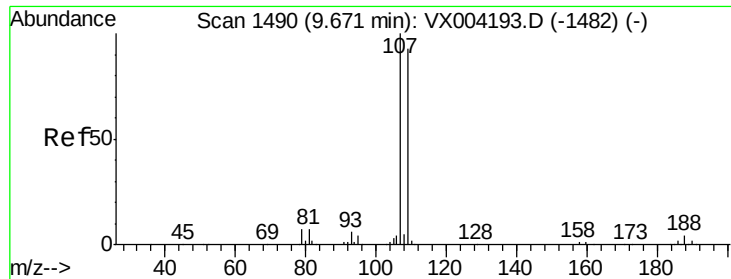
MMDadoda
 8/23/2018 9:40:20 AM



#60
 Dibromochloromethane
 Concen: 19.40 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.96 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion:107 Resp: 83222

Ion Ratio Lower Upper

107 100

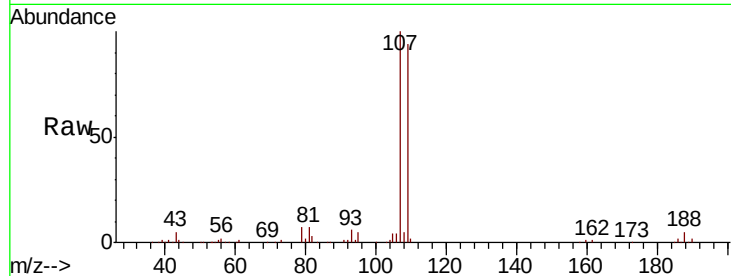
109 93.6 76.0 114.0

Manual Integrations

APPROVED

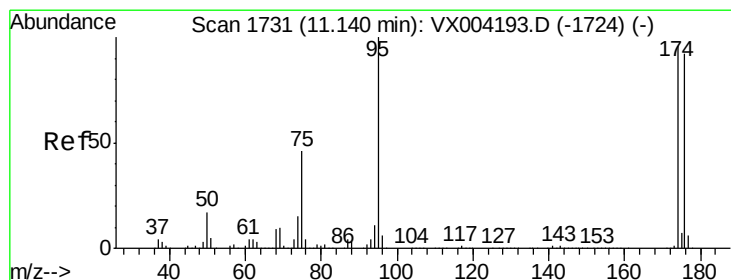
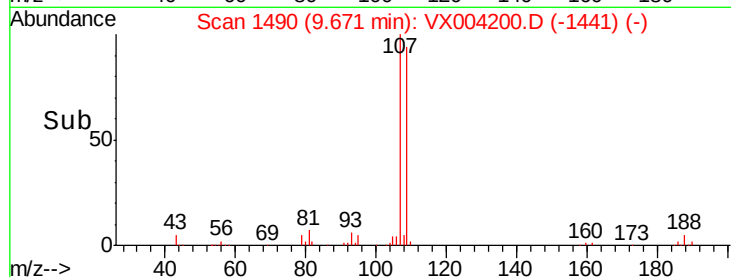
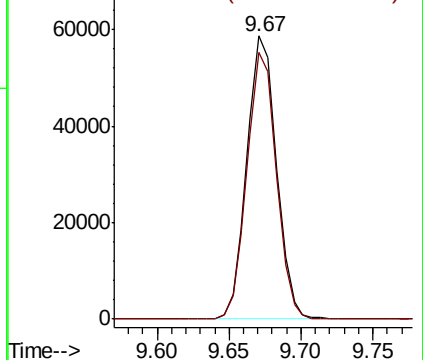
MMDadoda

8/23/2018 9:40:20 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

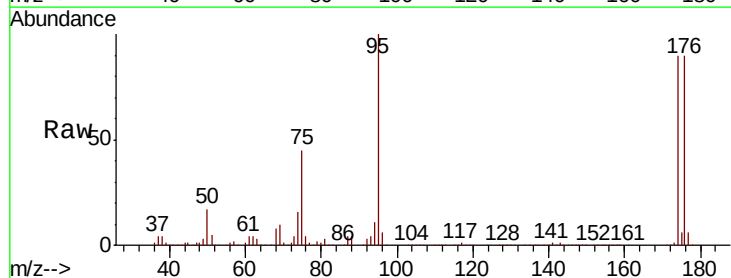
Tgt Ion: 95 Resp: 249036

Ion Ratio Lower Upper

95 100

174 90.3 0.0 185.2

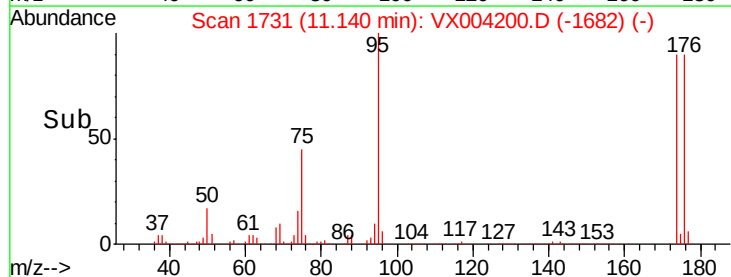
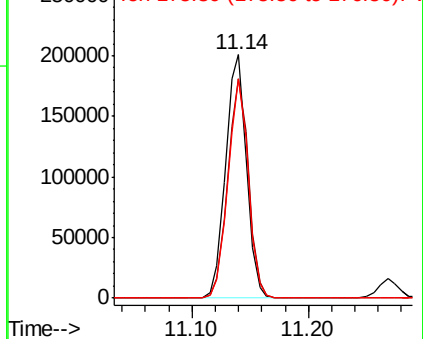
176 87.7 0.0 178.6

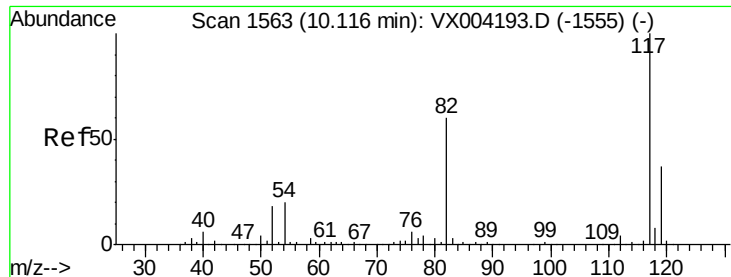


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





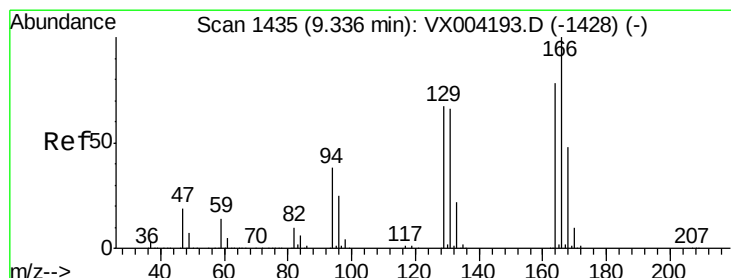
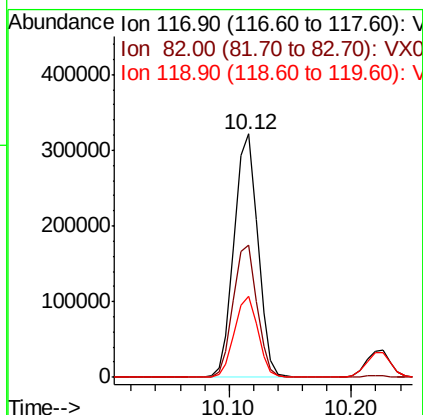
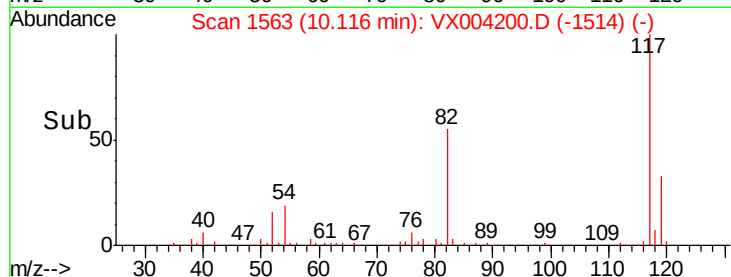
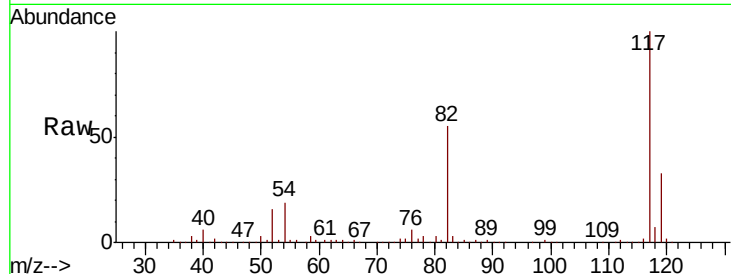
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	47.8	71.6
119	33.4	29.3	43.9

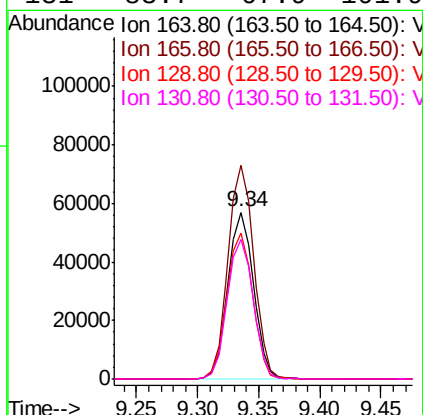
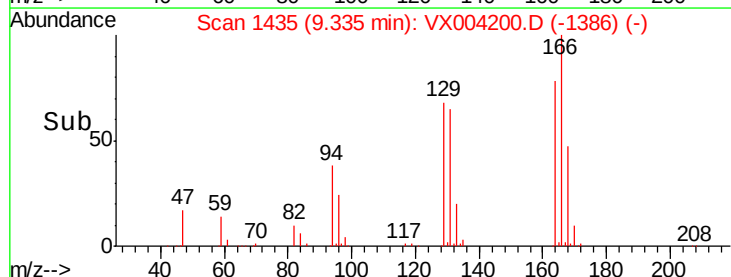
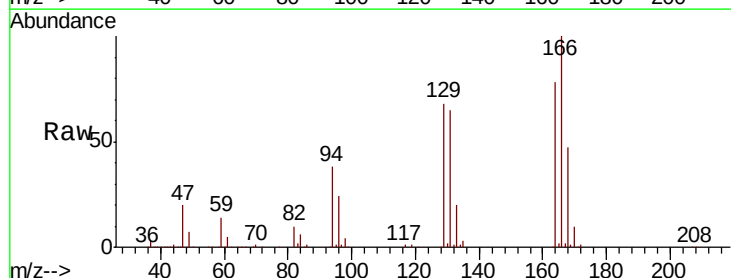
Manual Integrations
APPROVED

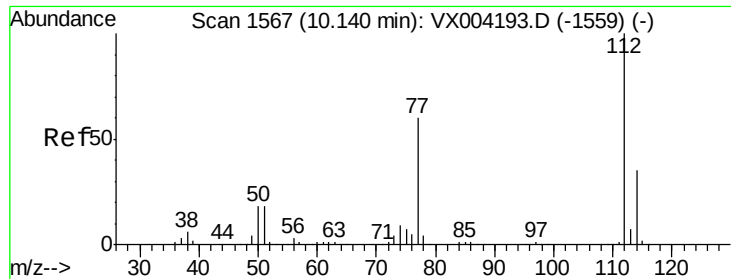
MMDadoda
8/23/2018 9:40:20 AM



#64
Tetrachloroethene
Concen: 19.44 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.8	154.2
129	87.7	69.4	104.0
131	83.7	67.9	101.9





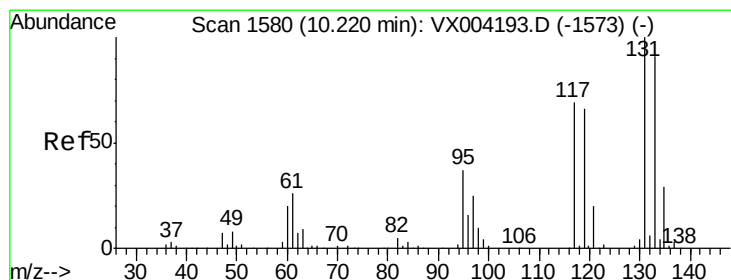
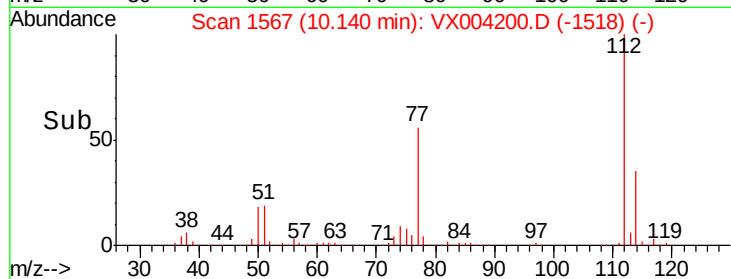
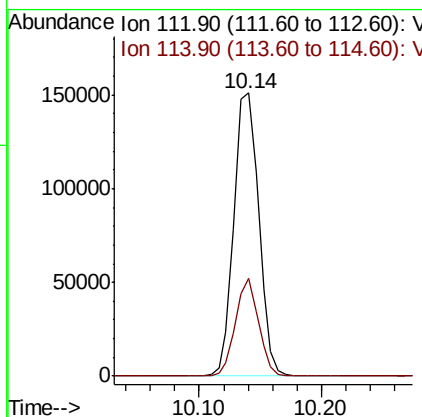
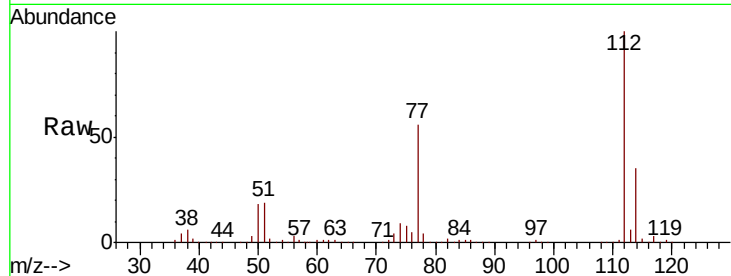
#65
Chlorobenzene
Concen: 19.61 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.6	27.8	41.8

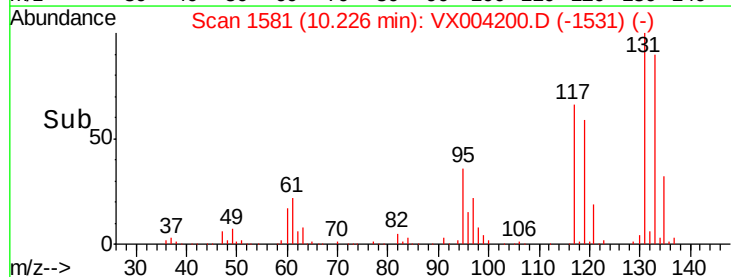
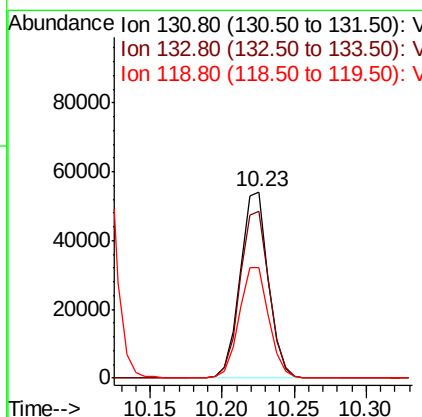
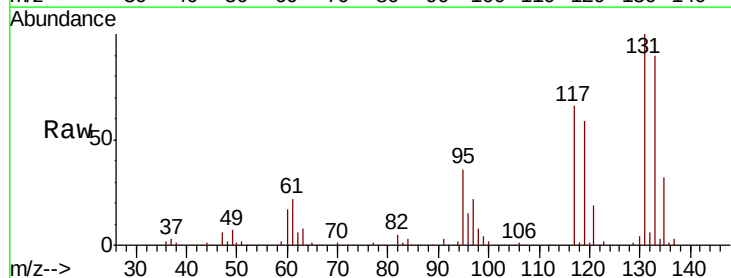
Manual Integrations
APPROVED

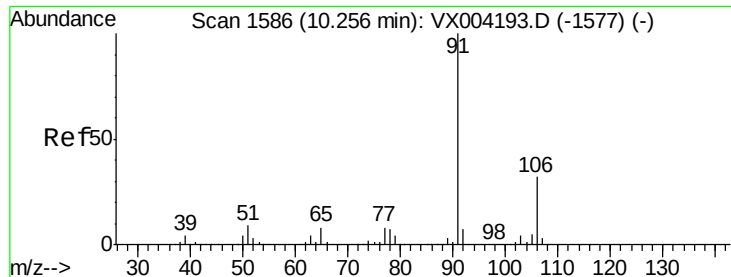
MMDadoda
8/23/2018 9:40:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.1	144.4
119	62.6	32.9	98.6





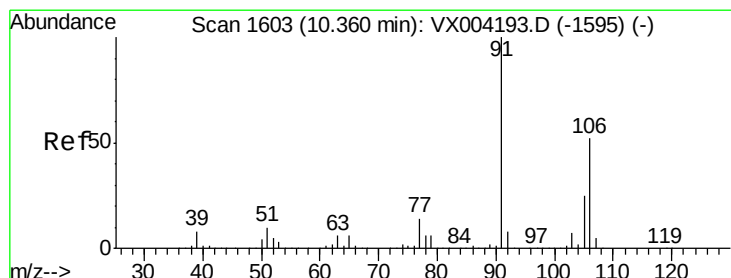
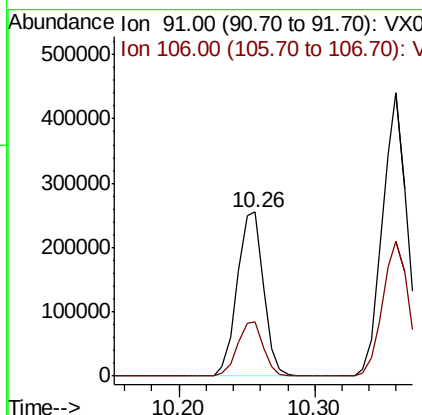
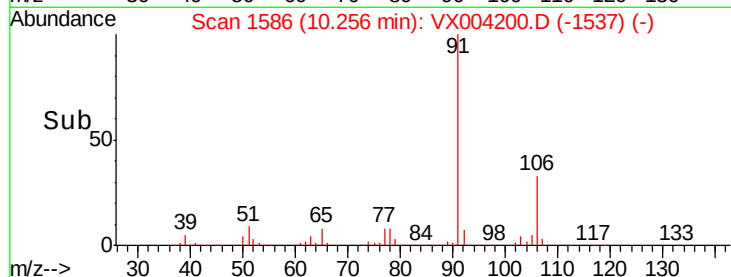
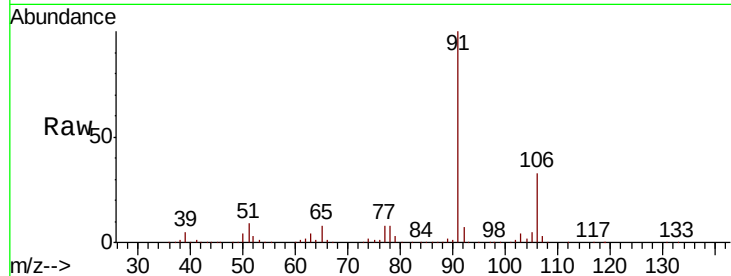
#67
Ethyl Benzene
Concen: 19.51 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion: 91 Resp: 342822
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9

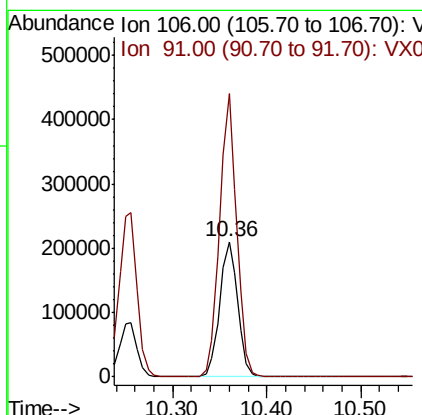
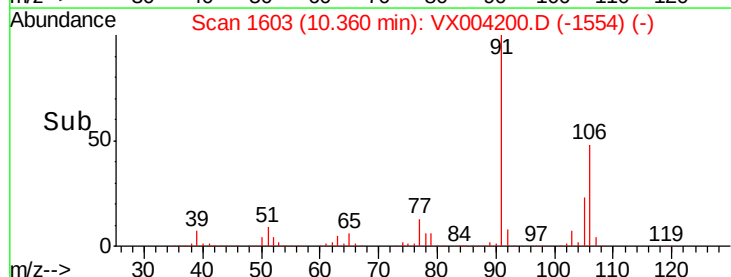
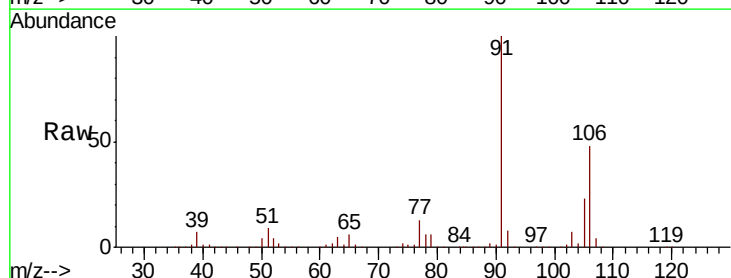
Manual Integrations
APPROVED

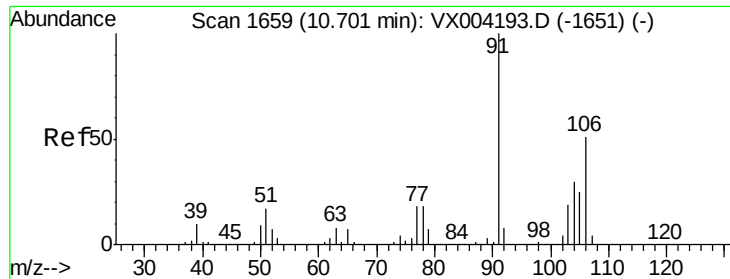
MMDadoda
8/23/2018 9:40:20 AM



#68
m/p-Xylenes
Concen: 40.47 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion: 106 Resp: 278042
Ion Ratio Lower Upper
106 100
91 199.5 157.1 235.7





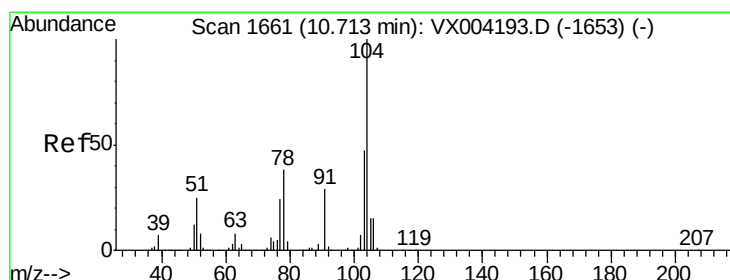
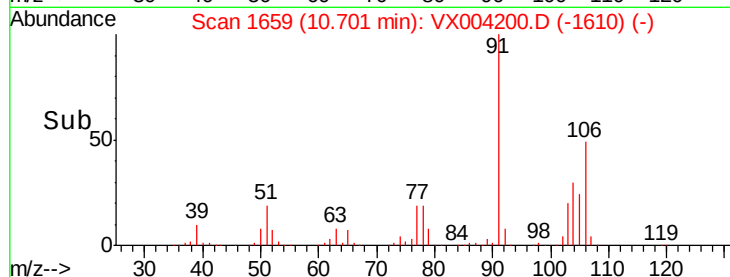
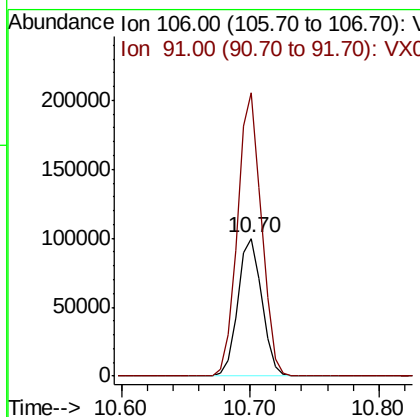
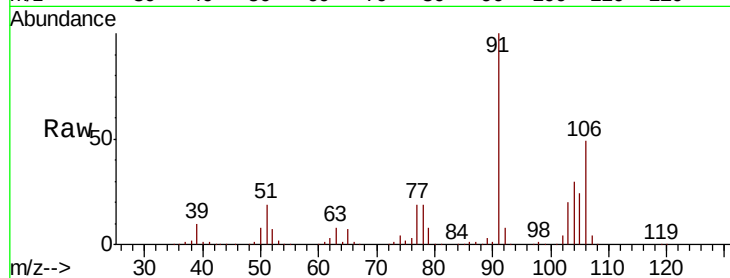
#69
o-Xylene
Concen: 19.89 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampled :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.5	105.1	315.1

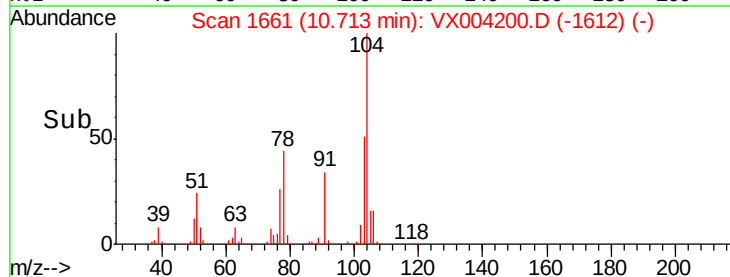
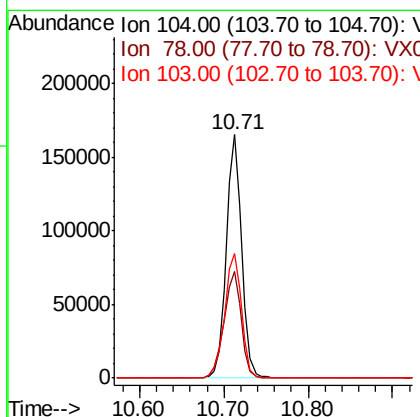
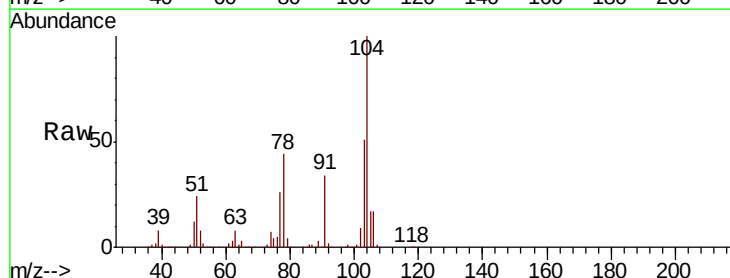
Manual Integrations
APPROVED

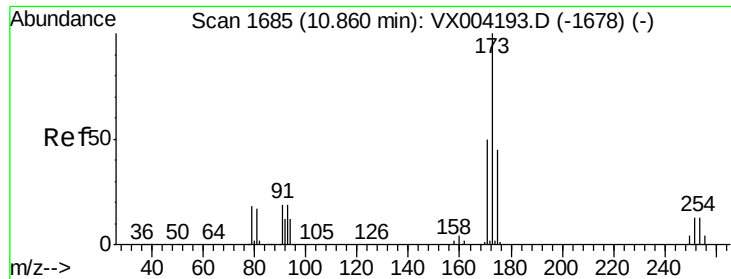
MMDadoda
8/23/2018 9:40:20 AM



#70
Styrene
Concen: 19.83 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	37.4	56.0
103	56.8	43.8	65.6





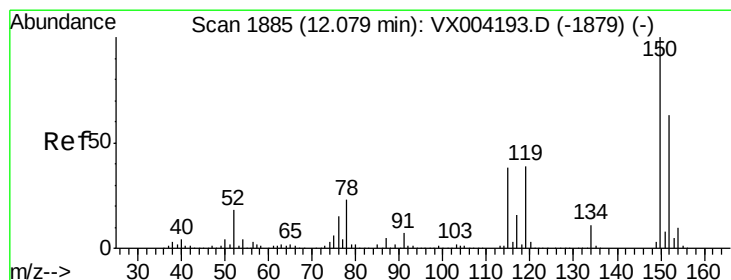
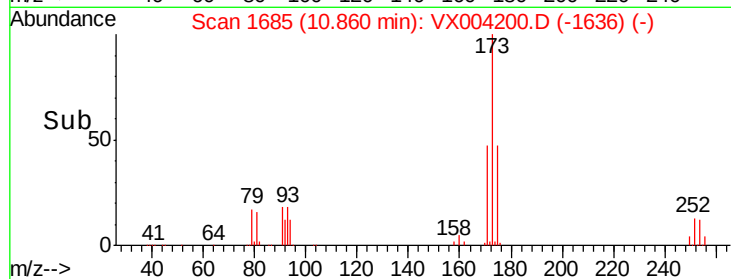
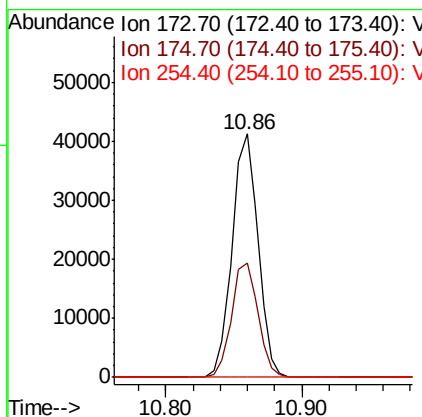
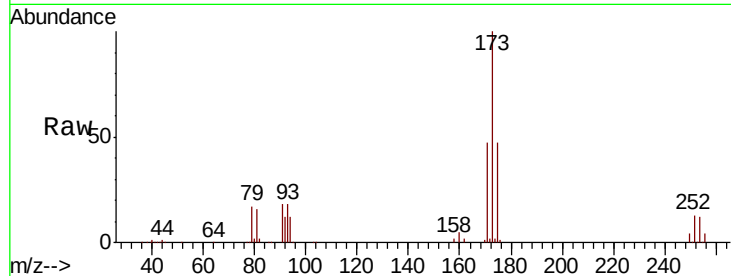
#71
Bromoform
Concen: 18.19 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.3
254	0.2	0.2	0.2

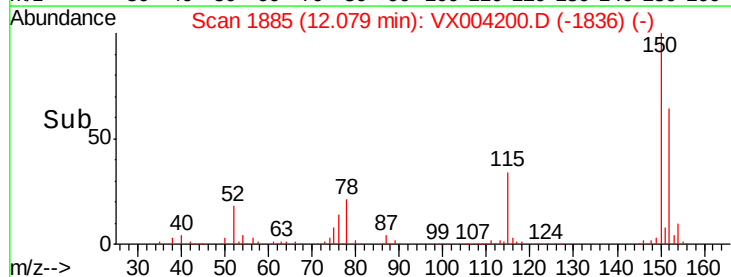
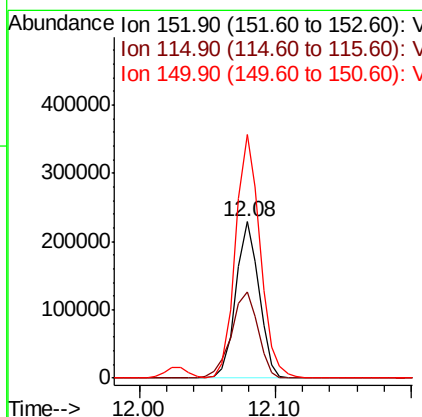
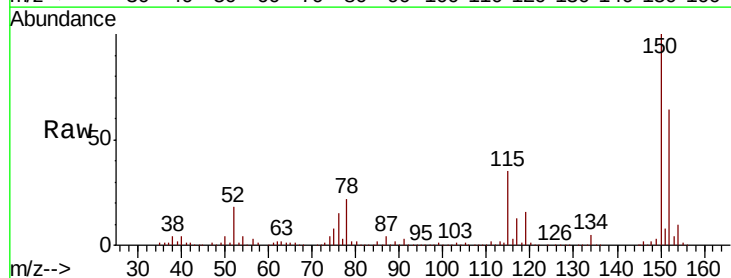
Manual Integrations
APPROVED

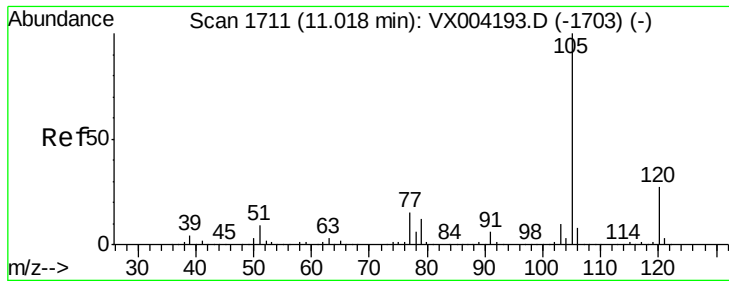
MMDadoda
8/23/2018 9:40:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	39.0	117.0
150	165.2	0.0	351.0





#73

Isopropylbenzene

Concen: 20.68 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBS01

Tot Ion: 105 Resp: 367973

Ion Ratio Lower Upper

105 100

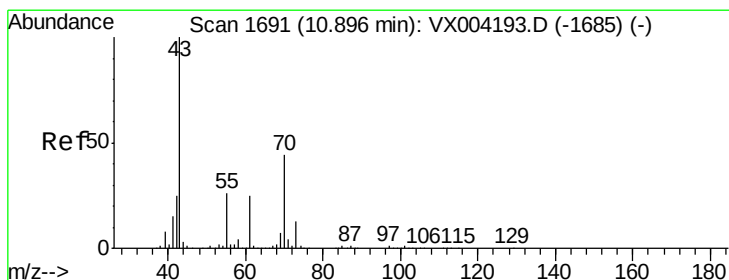
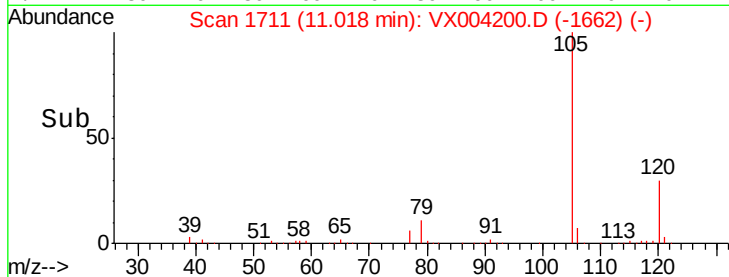
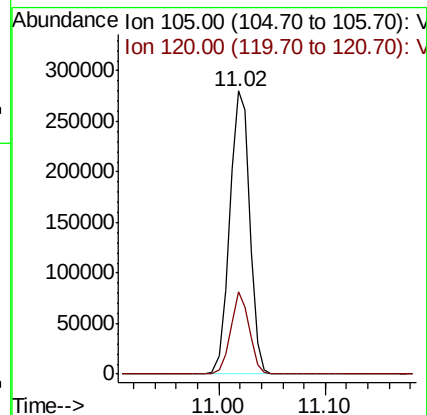
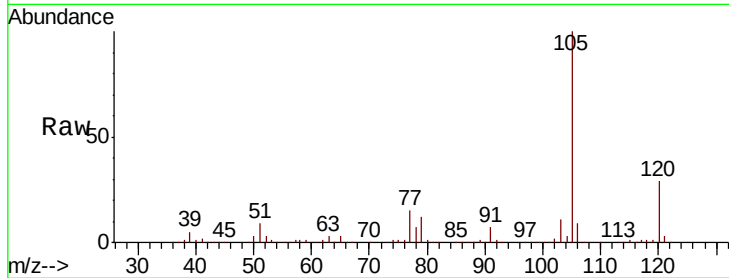
120 26.8 13.5 40.4

Manual Integrations

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MMDadoda

8/23/2018 9:40:20 AM



#74

N-ethyl acetate

Concen: 19.52 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion: 43 Resp: 133734

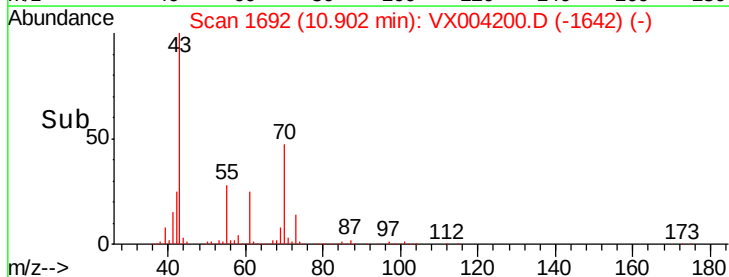
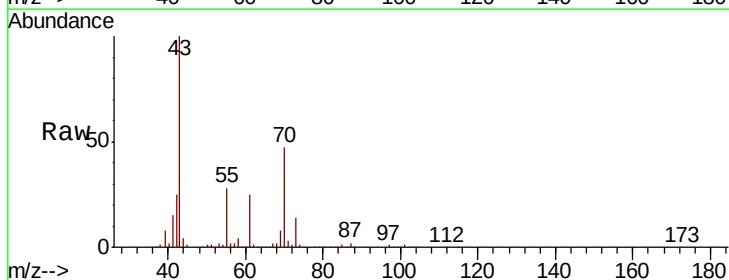
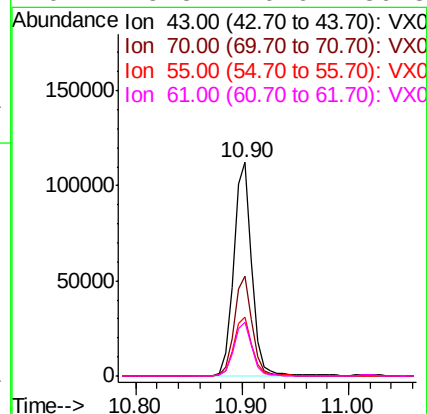
Ion Ratio Lower Upper

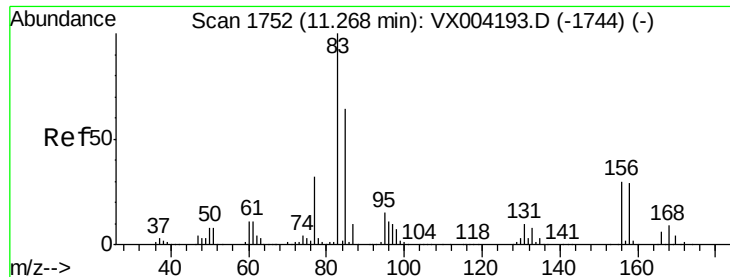
43 100

70 46.4 37.4 56.0

55 28.1 21.8 32.8

61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.53 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

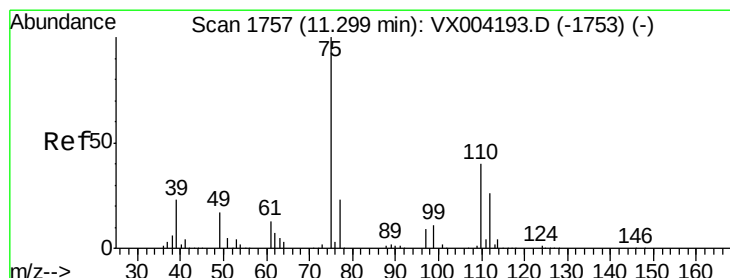
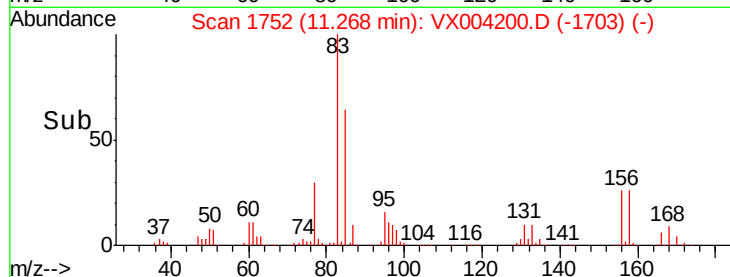
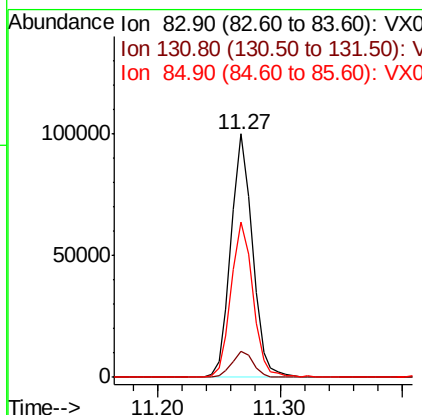
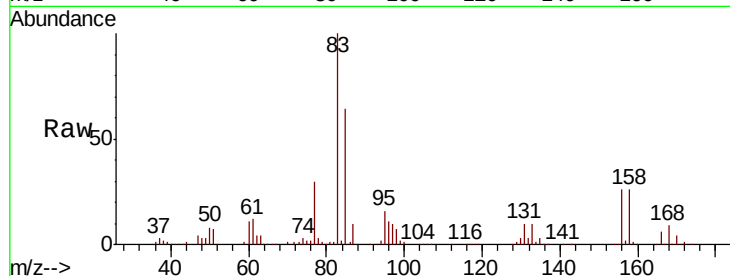
ClientSampleId :

VX0822WBS01

Tot Ion:	83	Resp:	121611
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	65.0	32.3	96.8

Manual Integrations
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MMDadoda
8/23/2018 9:40:20 AM



#76

1,2,3-Trichloropropane

Concen: 20.14 ug/l m

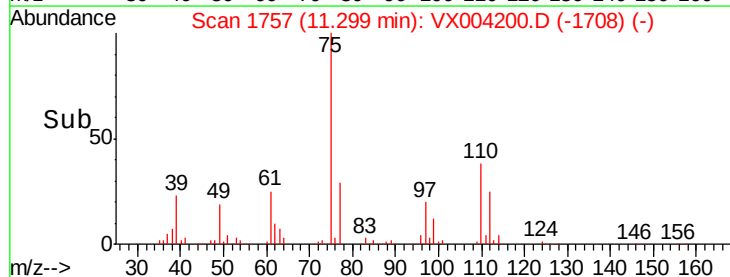
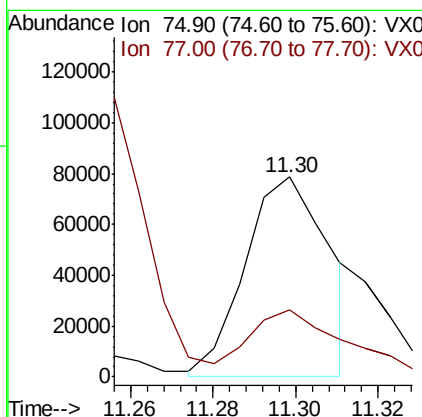
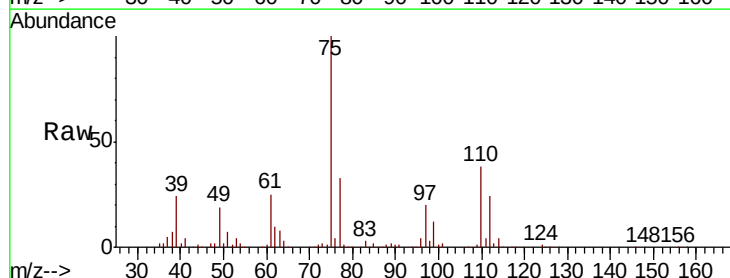
RT: 11.30 min Scan# 1757

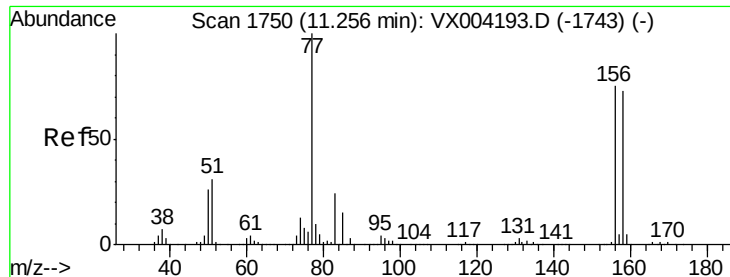
Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion:	75	Resp:	110963
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.2	60.6





#77

Bromobenzene

Concen: 19.91 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

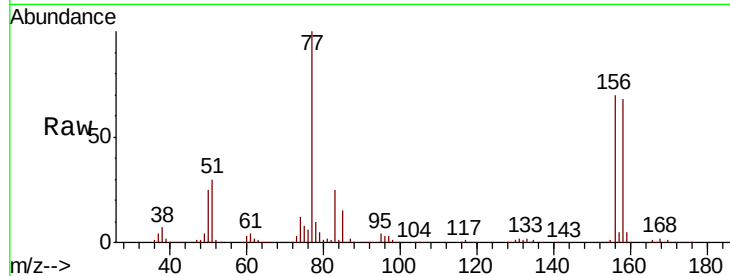
ClientSampleId :

VX0822WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	148.0		71.5	214.3	
158	96.9		48.9	146.8	

Manual Integrations
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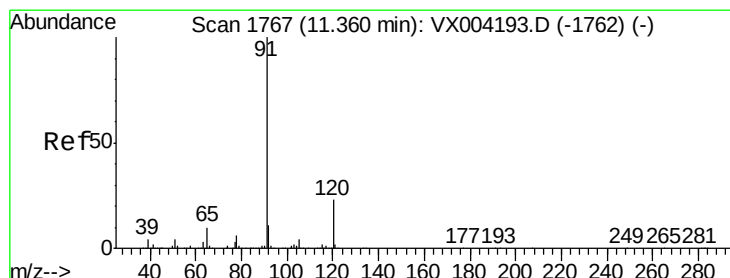
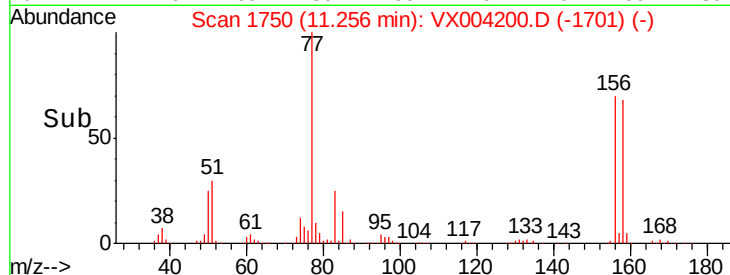
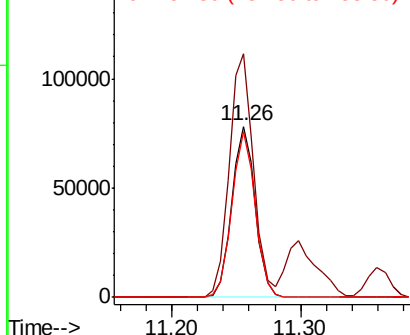
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.03 ug/l

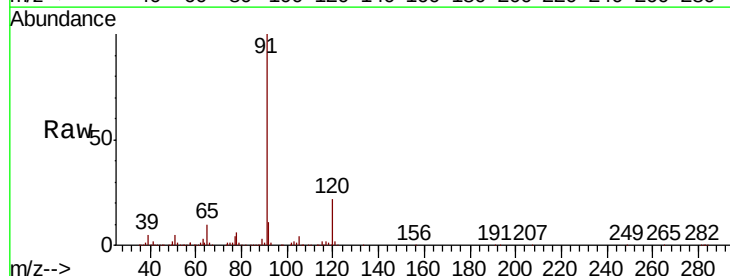
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004200.D

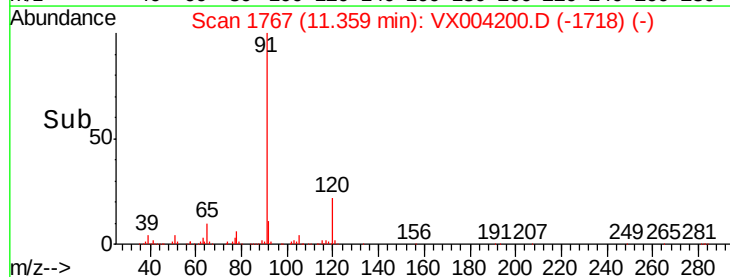
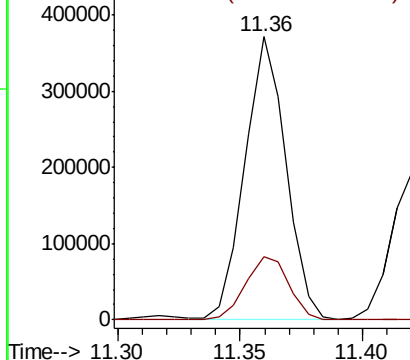
Acq: 22 Aug 2018 15:57

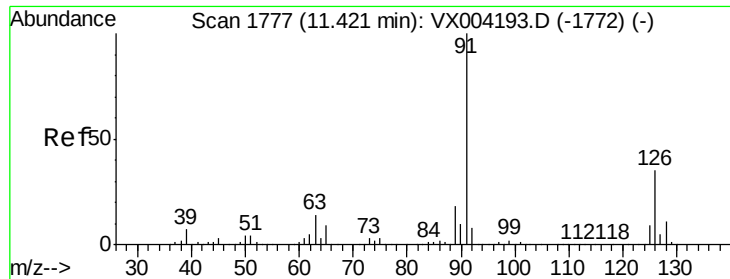
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.9		11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.92 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampled :

VX0822WBS01

Tot Ion: 91 Resp: 250954

Ion Ratio Lower Upper

91 100

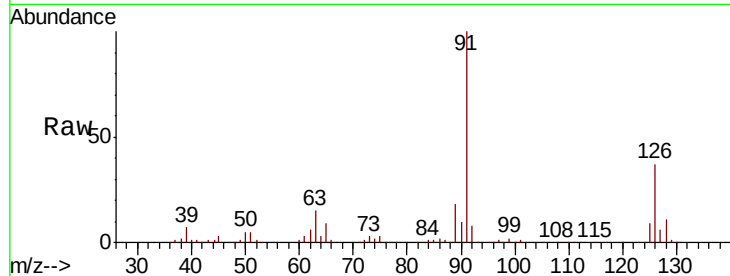
126 34.5 17.9 53.7

Manual Integrations

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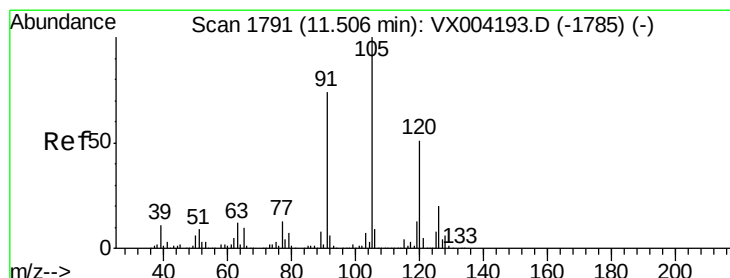
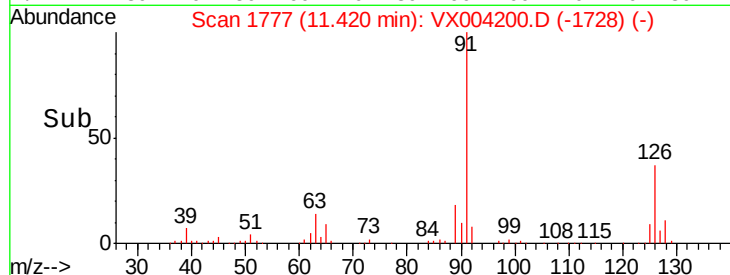
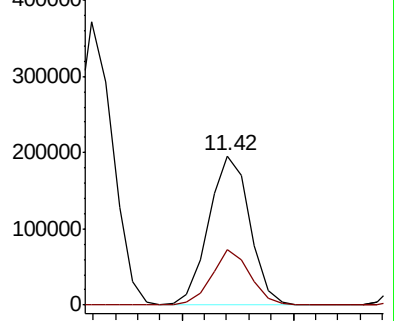
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.11 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004200.D

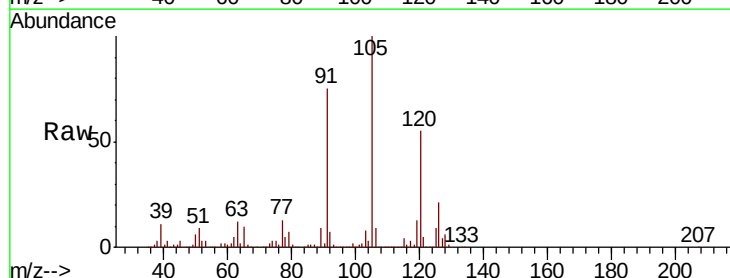
Acq: 22 Aug 2018 15:57

Tgt Ion:105 Resp: 296410

Ion Ratio Lower Upper

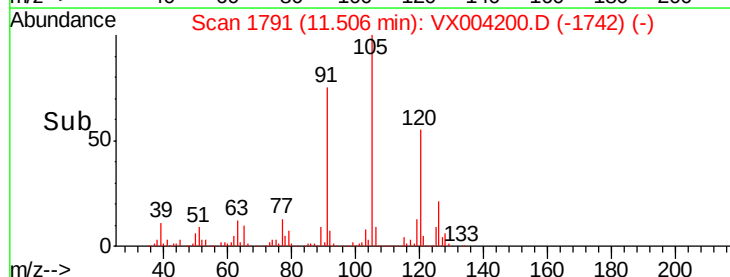
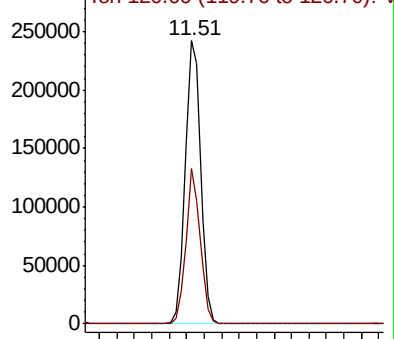
105 100

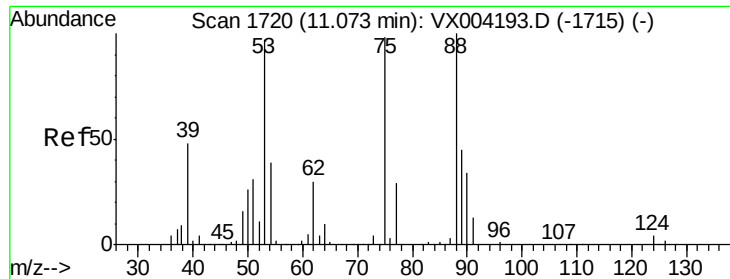
120 50.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





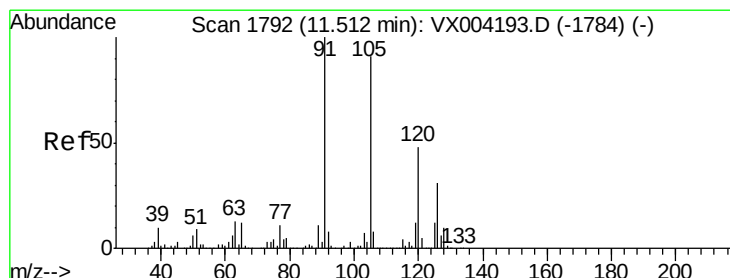
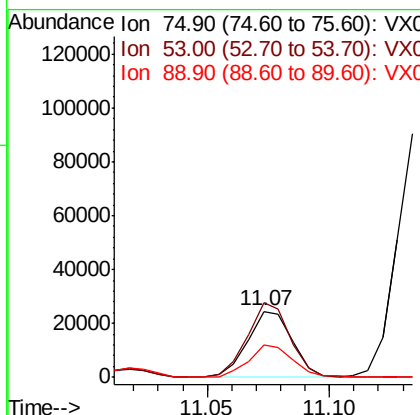
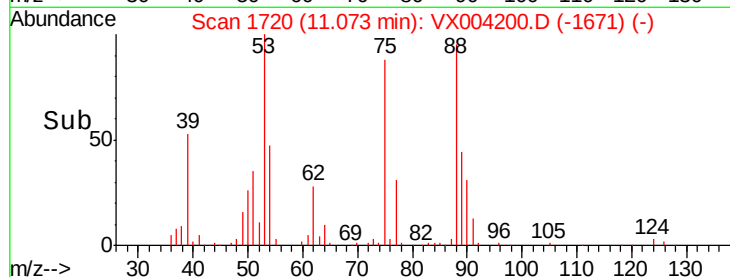
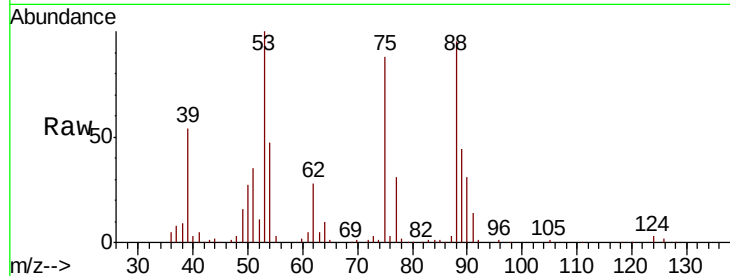
#81
trans-1,4-Dichloro-2-butene
Concen: 18.27 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.9	80.1	120.1
89	49.5	37.2	55.8

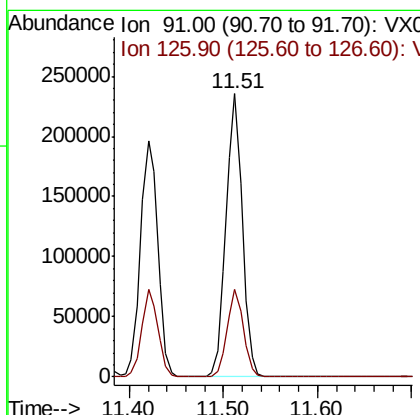
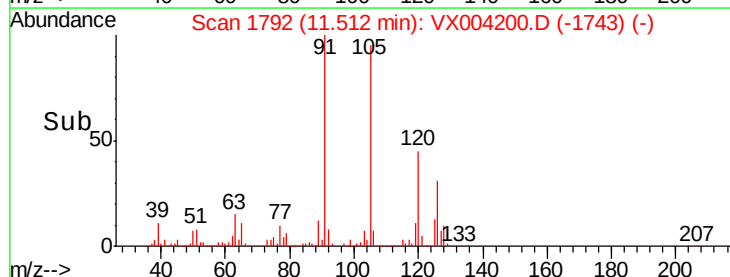
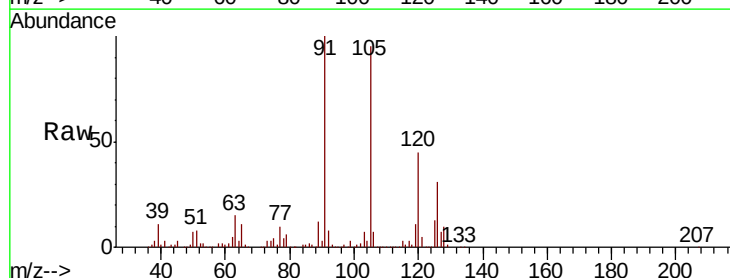
Manual Integrations
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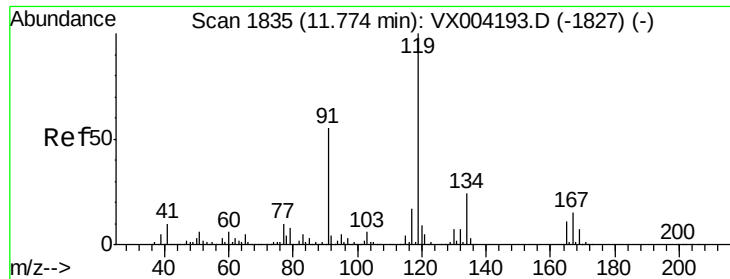
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#82
4-Chlorotoluene
Concen: 19.21 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.5	46.5





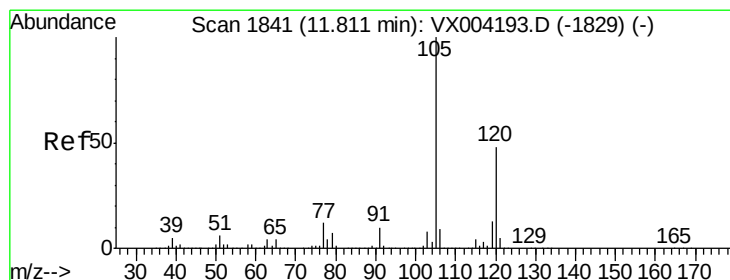
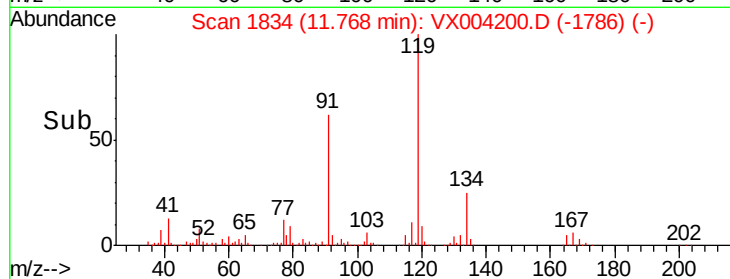
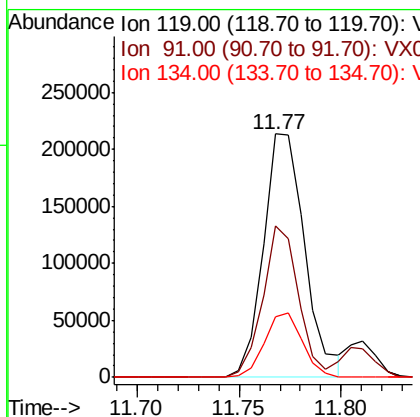
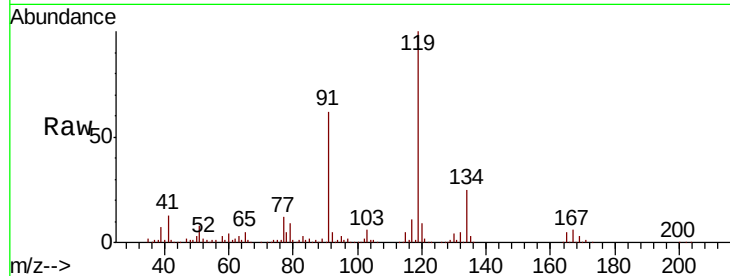
#83
 tert-Butylbenzene
 Concen: 20.40 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	302430		
91	53.6		27.0	81.0
134	24.3		11.7	35.1

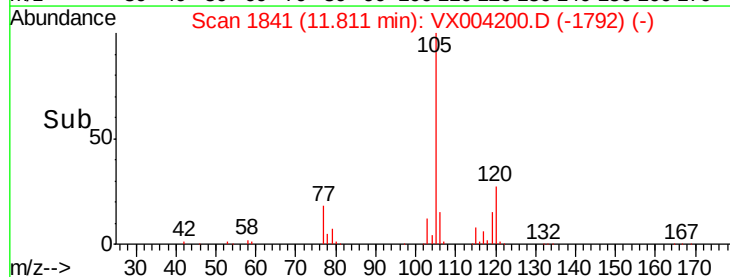
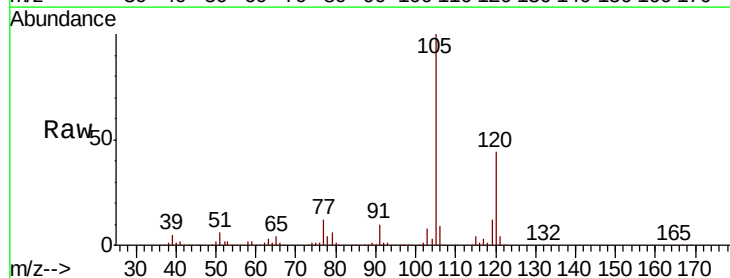
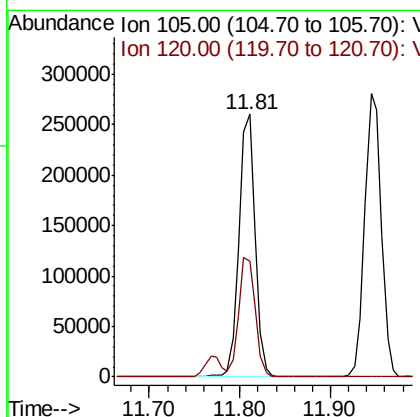
Manual Integrations
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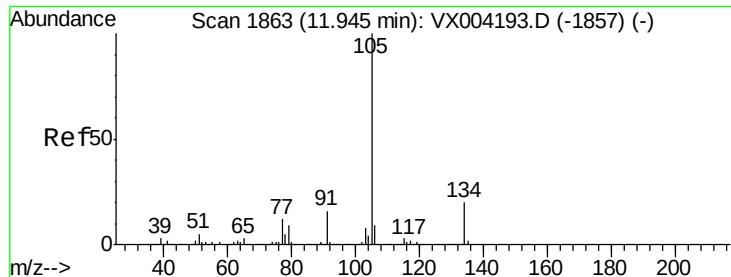
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 8/23/2018 9:40:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.27 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321707		
120	46.3		23.2	69.6





#85

sec-Butylbenzene

Concen: 20.21 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

ClientSampled :

VX0822WBS01

Tot Ion:105 Resp: 355779

Ion Ratio Lower Upper

105 100

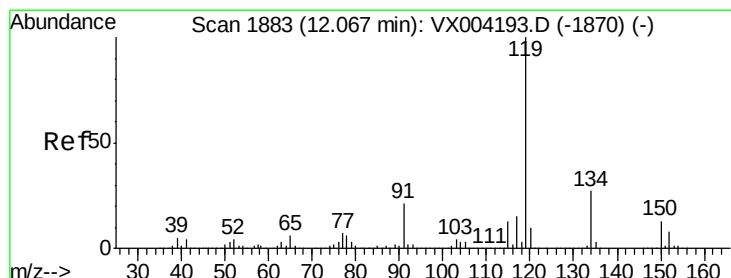
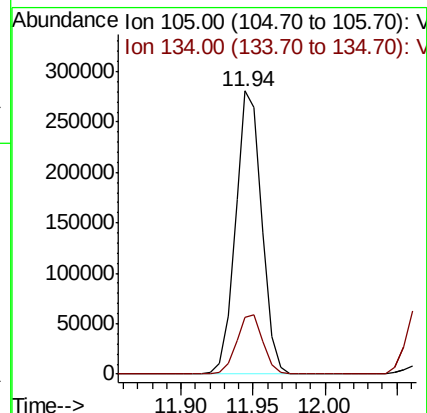
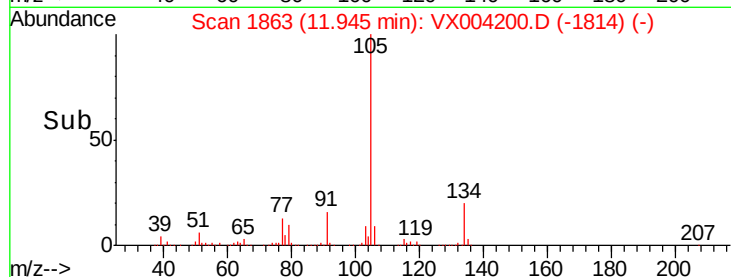
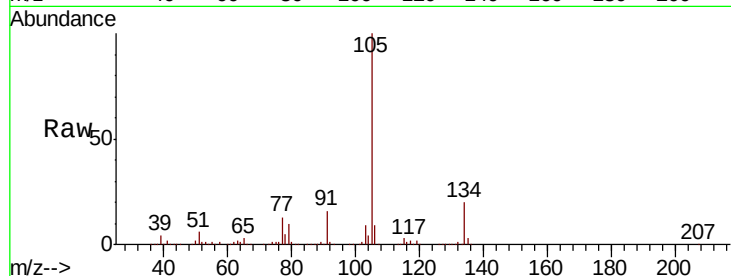
134 21.1 10.5 31.5

Manual Integrations

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8/23/2018 9:40:20 AM



#86

p-Isopropyltoluene

Concen: 21.39 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

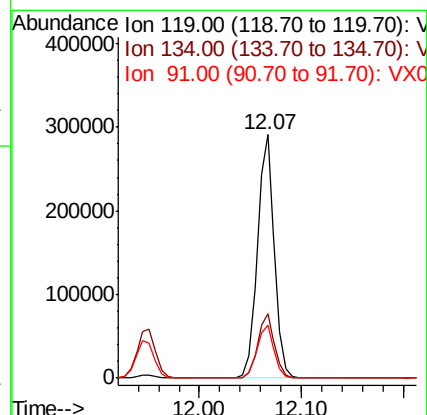
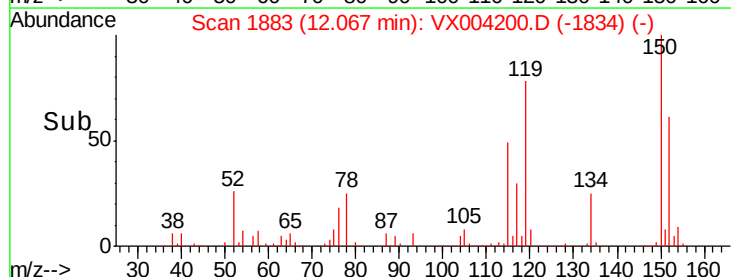
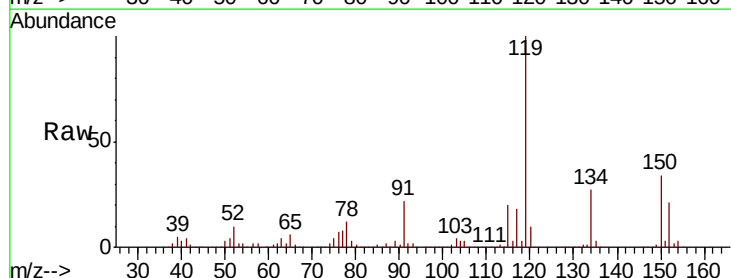
Tgt Ion:119 Resp: 337424

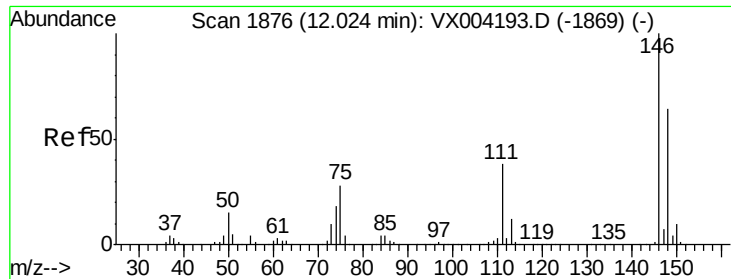
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.0 10.9 32.7





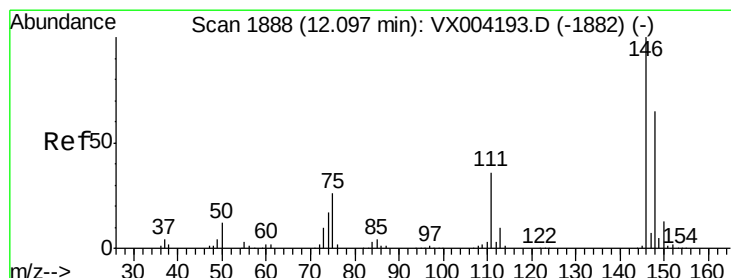
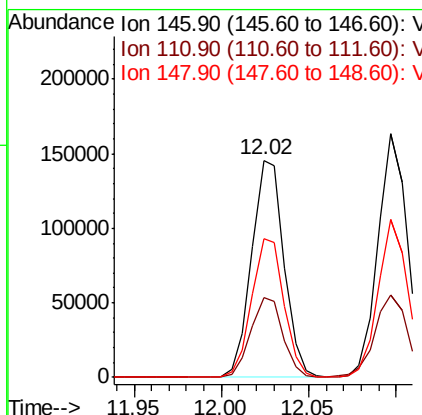
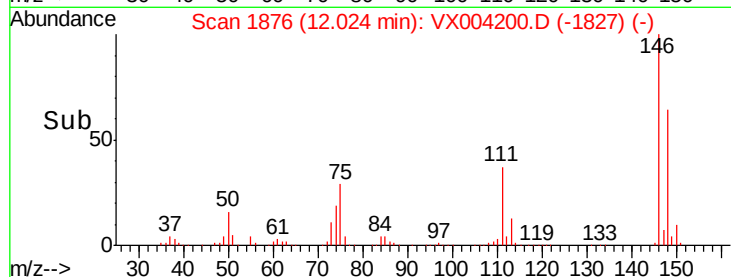
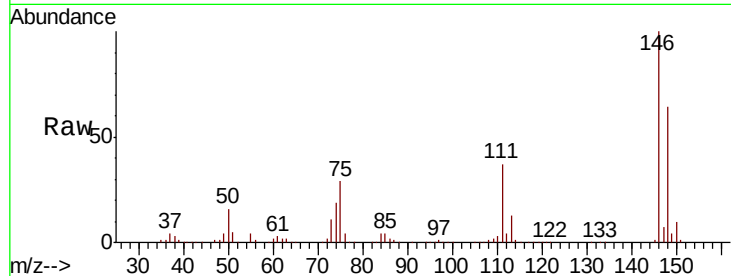
#87
 1,3-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	63.7	32.1	96.5

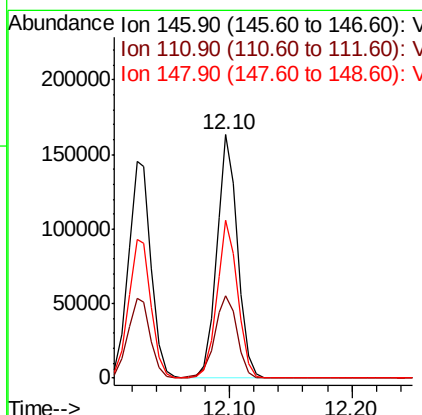
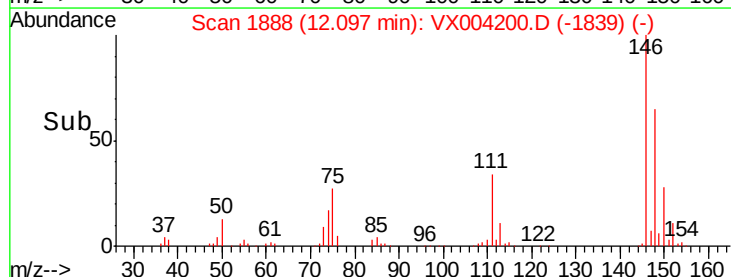
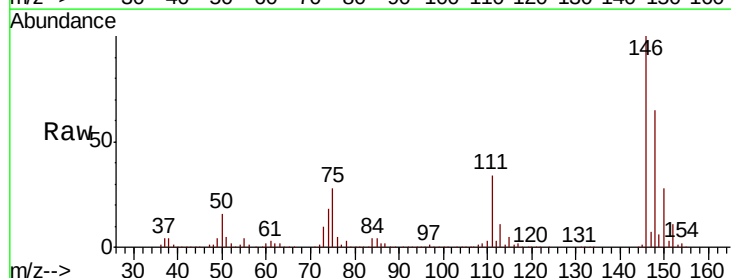
Manual Integrations
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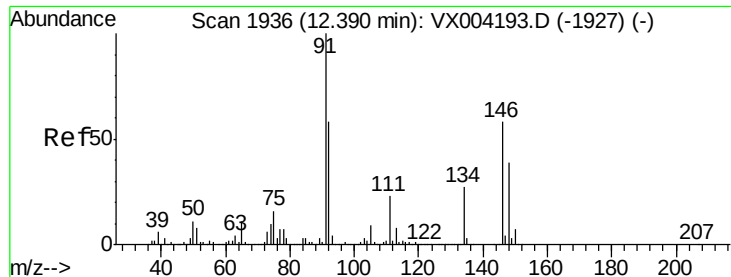
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#88
 1,4-Dichlorobenzene
 Concen: 19.42 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.7	32.0	96.0





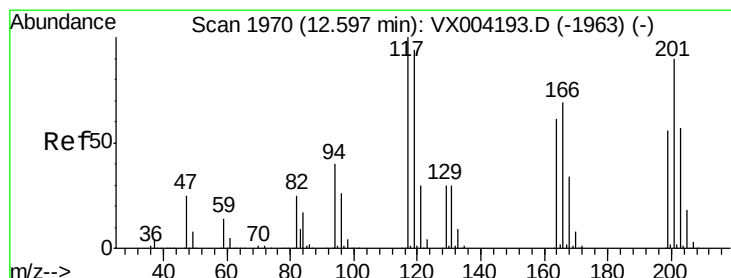
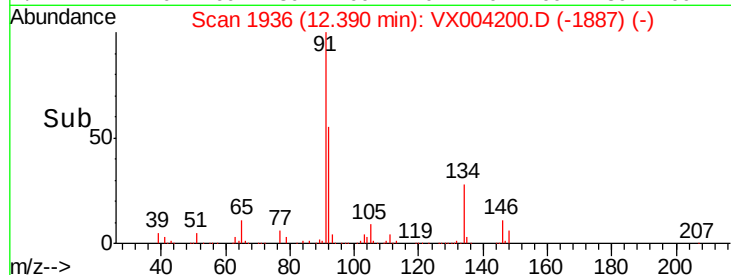
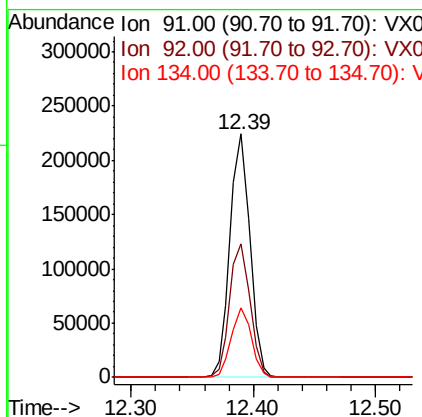
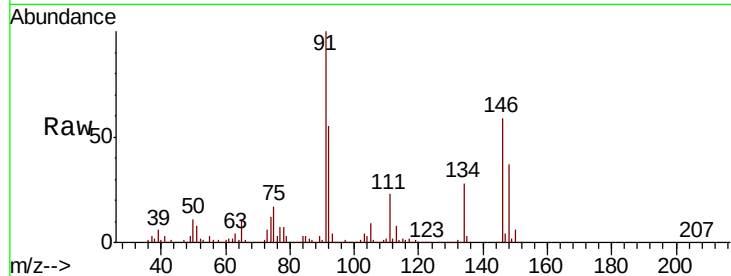
#89
n-Butylbenzene
Concen: 19.82 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.3	27.3	81.9	
134	28.6	13.6	40.7	

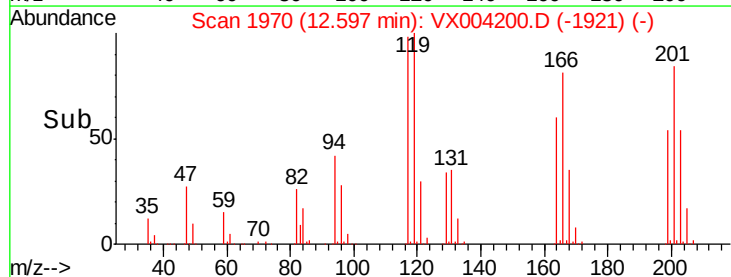
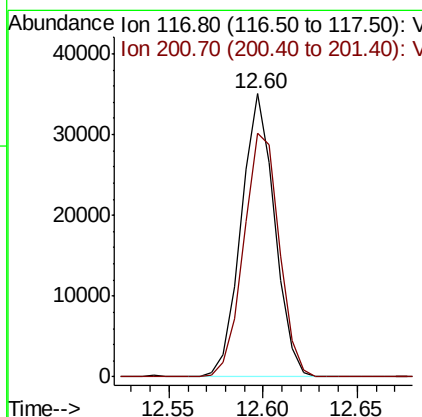
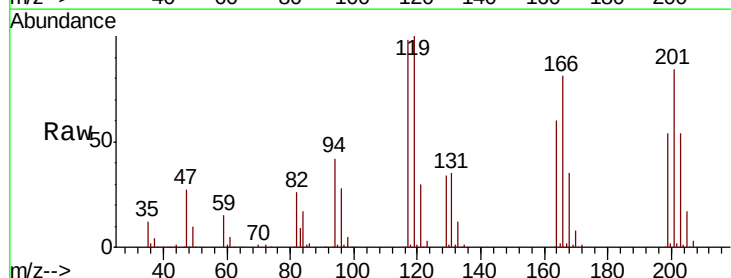
Manual Integrations
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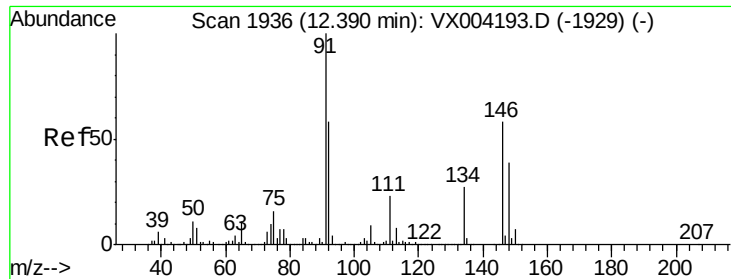
MMDadoda
8/23/2018 9:40:20 AM



#90
Hexachloroethane
Concen: 19.54 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004200.D
Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.5	46.9	140.6	





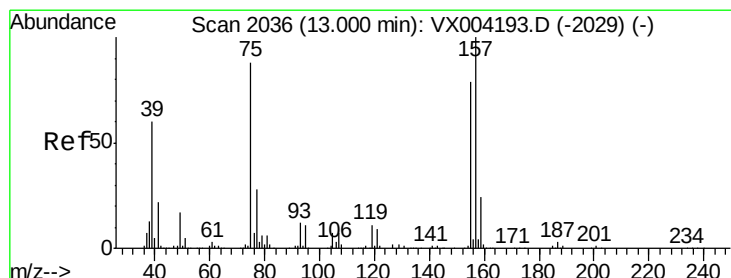
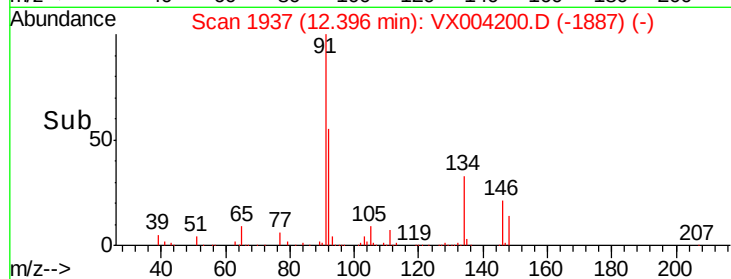
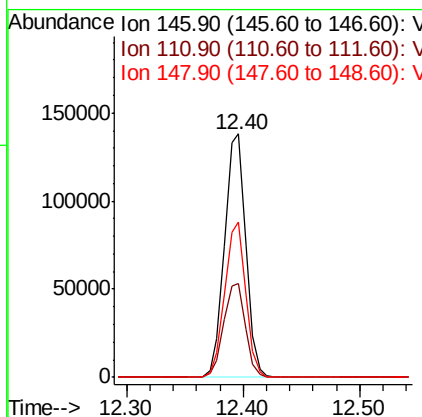
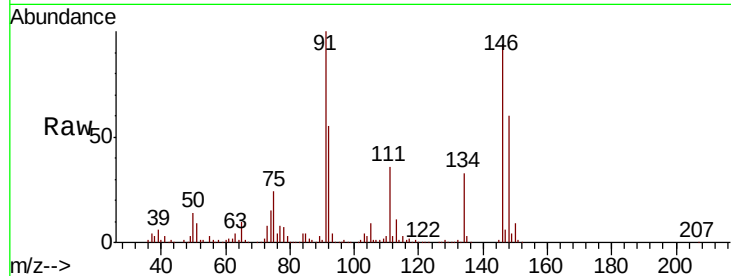
#91
 1,2-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	62.8	32.8	98.3

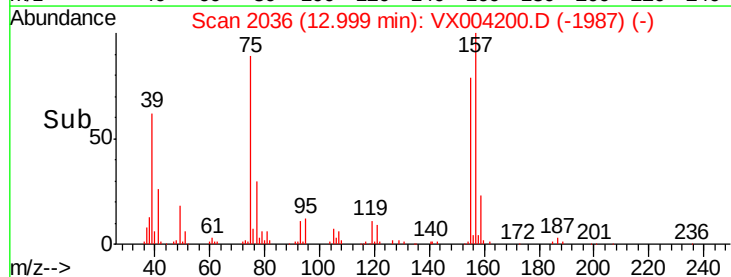
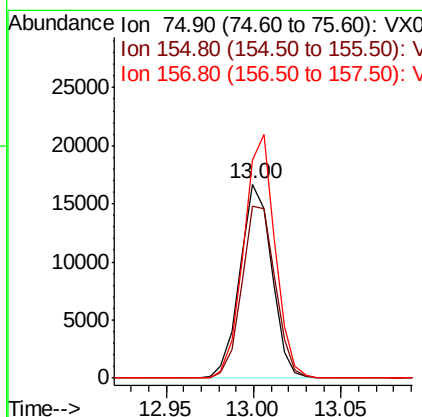
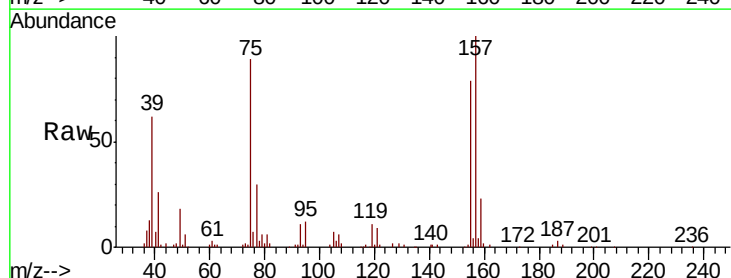
Manual Integrations
 APPROVED

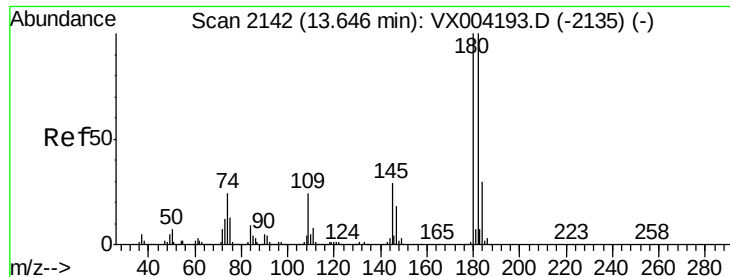
MMDadoda
 8/23/2018 9:40:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.33 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	48.0	144.2
157	123.4	61.4	184.1





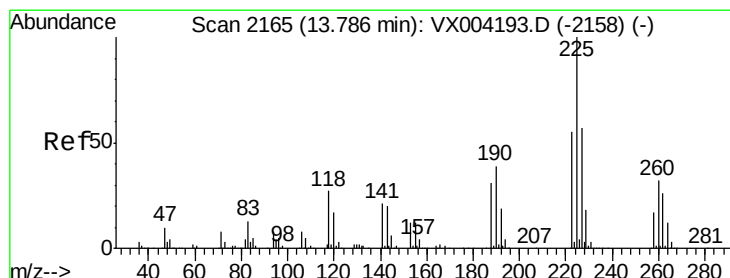
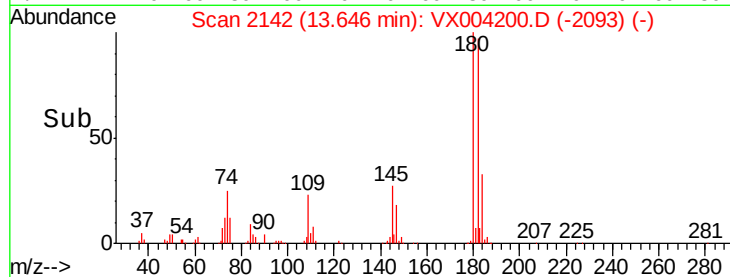
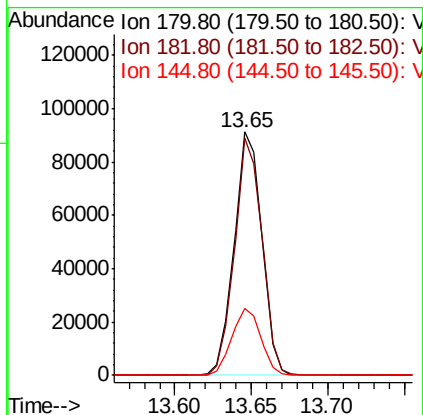
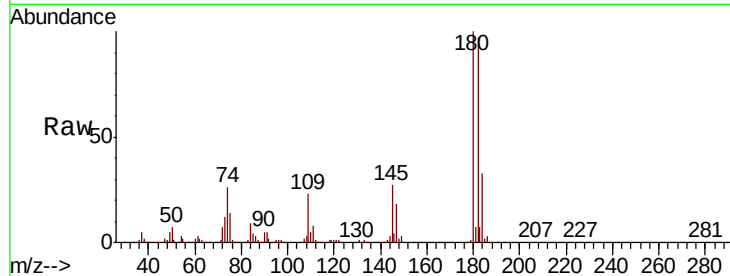
#93
 1,2,4-Trichlorobenzene
 Concen: 18.32 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114507		
182	96.5	48.4	145.0	
145	28.6	14.3	42.9	

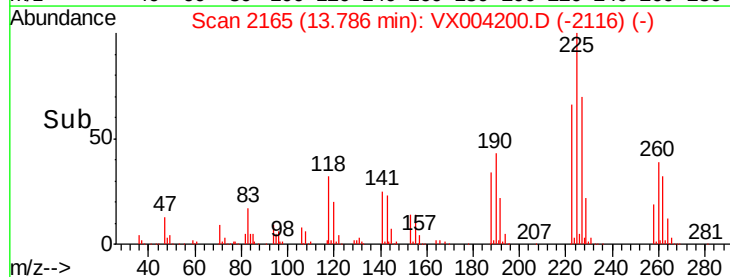
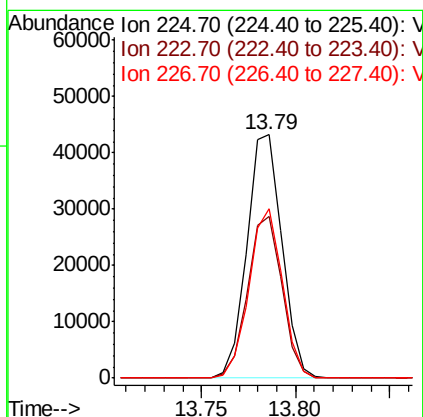
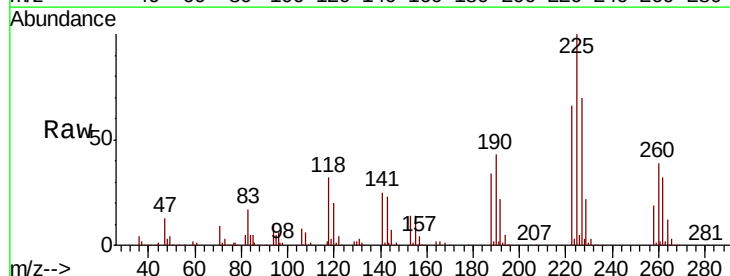
Manual Integrations
 APPROVED

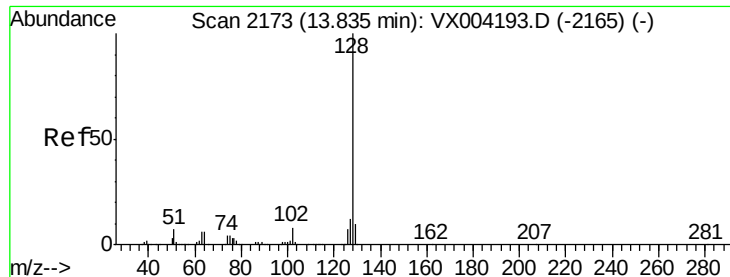
MMDadoda
 8/23/2018 9:40:20 AM



#94
 Hexachlorobutadiene
 Concen: 19.14 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004200.D
 Acq: 22 Aug 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55908		
223	64.9	30.1	90.5	
227	66.1	30.8	92.4	





#95

Naphthalene

Concen: 19.29 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Instrument :

MSVOA_X

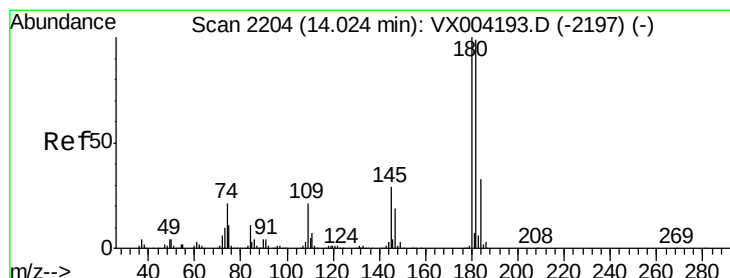
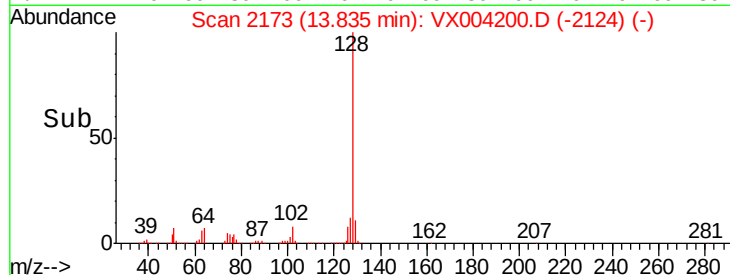
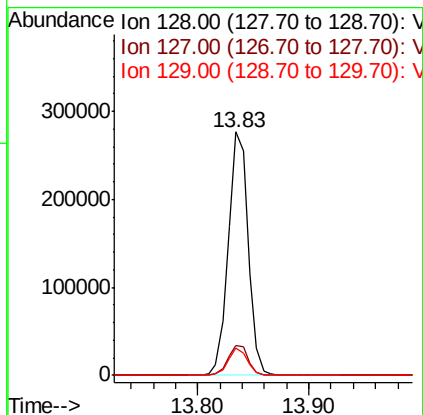
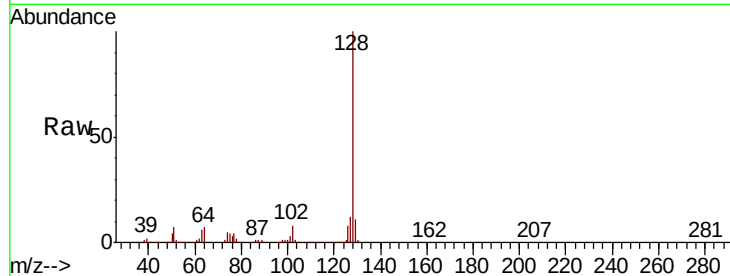
ClientSampleId :

VX0822WBS01

Tot Ion:	128	Resp:	341042
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/23/2018 9:40:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.87 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004200.D

Acq: 22 Aug 2018 15:57

Tgt Ion:	180	Resp:	131463
Ion Ratio	Lower	Upper	
180	100		
182	92.1	48.5	145.6
145	28.7	14.9	44.9

