

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004281.D
 Acq On : 29 Aug 2018 10:03
 Operator : JC/MD
 Sample : VX0829WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Manual Integrations
 APPROVED

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 8/30/2018 1:38:34 PM

Quant Time: Aug 30 03:43:45 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	333585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	478941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	424912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200639	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	5.50	113	173696	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	8.71	98	649609	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.14	95	242867	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	72290	18.71	ug/l	97
3) Chloromethane	1.32	50	78946	18.67	ug/l	99
4) Vinyl Chloride	1.40	62	82541	18.88	ug/l	100
5) Bromomethane	1.64	94	43880	19.11	ug/l	98
6) Chloroethane	1.72	64	57098	17.71	ug/l	98
7) Trichlorofluoromethane	1.93	101	113011	18.87	ug/l	95
8) Diethyl Ether	2.19	74	50567	19.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70825	18.88	ug/l	99
10) Methyl Iodide	2.51	142	66567	18.65	ug/l	97
11) Tert butyl alcohol	3.07	59	97105	104.77	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66335	18.77	ug/l	98
13) Acrolein	2.29	56	18679	83.60	ug/l	100
14) Allyl chloride	2.73	41	125038	19.26	ug/l	98
15) Acrylonitrile	3.15	53	223045	97.18	ug/l	100
16) Acetone	2.45	43	183545	98.52	ug/l	99
17) Carbon Disulfide	2.57	76	169982	17.84	ug/l	100
18) Methyl Acetate	2.78	43	147629	22.88	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	233662	20.06	ug/l	98
20) Methylene Chloride	2.85	84	79121	18.90	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	72304	18.48	ug/l	96
22) Diisopropyl ether	3.87	45	234149	19.31	ug/l	98
23) Vinyl Acetate	3.82	43	913593	92.98	ug/l	98
24) 1,1-Dichloroethane	3.70	63	138102	19.55	ug/l	99
25) 2-Butanone	4.71	43	288404	97.26	ug/l	99
26) 2,2-Dichloropropane	4.58	77	103313	18.64	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	83810	18.89	ug/l	99
28) Bromochloromethane	5.02	49	60183	19.24	ug/l	99
29) Tetrahydrofuran	5.16	42	182393	97.64	ug/l	99
30) Chloroform	5.21	83	135478	19.13	ug/l	97
31) Cyclohexane	5.57	56	111821	18.34	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	113569	19.23	ug/l	100
36) 1,1-Dichloropropene	5.80	75	99248	18.43	ug/l	97
37) Ethyl Acetate	4.86	43	103839	19.61	ug/l	99
38) Carbon Tetrachloride	5.78	117	97454	19.24	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	109705	17.85	ug/l	100
40) Benzene	6.14	78	311165	19.34	ug/l	100
41) Methacrylonitrile	5.06	41	59951	19.53	ug/l	98
42) 1,2-Dichloroethane	6.20	62	105836	19.28	ug/l	100
43) Isopropyl Acetate	6.46	43	160922	19.78	ug/l	99
44) Trichloroethene	7.21	130	84211	18.91	ug/l	98
45) 1,2-Dichloropropane	7.52	63	77823	19.33	ug/l	96
46) Dibromomethane	7.66	93	51288	19.13	ug/l	98
47) Bromodichloromethane	7.90	83	96471	19.34	ug/l	99
48) Methyl methacrylate	7.78	41	84342	19.37	ug/l	98
49) 1,4-Dioxane	7.76	88	40103	405.68	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	556612	94.15	ug/l	99
52) Toluene	8.79	92	199640	19.82	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	107033	19.42	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	118449	19.73	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	80546	19.81	ug/l	99
56) Ethyl methacrylate	9.18	69	111802	20.20	ug/l	99
57) 1,3-Dichloropropane	9.37	76	135663	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	287426	101.36	ug/l	100
59) 2-Hexanone	9.50	43	428721	95.05	ug/l	100
60) Dibromochloromethane	9.59	129	76277	19.26	ug/l	99
61) 1,2-Dibromoethane	9.67	107	82349	19.57	ug/l	100
64) Tetrachloroethene	9.34	164	85342	20.33	ug/l	99
65) Chlorobenzene	10.14	112	207829	19.49	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	74476	20.25	ug/l	97
67) Ethyl Benzene	10.25	91	350796	20.25	ug/l	97
68) m/p-Xylenes	10.36	106	277493	40.98	ug/l	97
69) o-Xylene	10.70	106	136528	21.31	ug/l	99
70) Styrene	10.71	104	228735	22.05	ug/l	99
71) Bromoform	10.86	173	58073	19.59	ug/l	98
73) Isopropylbenzene	11.02	105	374097	21.70	ug/l	100
74) N-amyl acetate	10.90	43	132937	20.03	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	124102	20.57	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	110458m	20.69	ug/l	
77) Bromobenzene	11.26	156	100569	20.80	ug/l	98
78) n-propylbenzene	11.36	91	422561	21.32	ug/l	100
79) 2-Chlorotoluene	11.42	91	256100	20.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	307068	21.51	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32711	19.88	ug/l	98
82) 4-Chlorotoluene	11.51	91	296773	20.67	ug/l	99
83) tert-Butylbenzene	11.77	119	300870	20.95	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	319838	21.83	ug/l	99
85) sec-Butylbenzene	11.94	105	364196	21.36	ug/l	100
86) p-Isopropyltoluene	12.07	119	324116	21.21	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	183873	20.20	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183288	19.10	ug/l	100
89) n-Butylbenzene	12.39	91	235441	18.95	ug/l	99
90) Hexachloroethane	12.60	117	42125	19.72	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	167084	20.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21061	19.82	ug/l	96

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

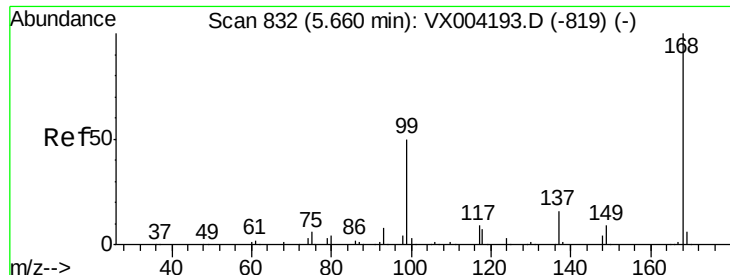
Manual Integrations
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QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121031	19.99	ug/l	96
94) Hexachlorobutadiene	13.79	225	59123	20.91	ug/l	99
95) Naphthalene	13.83	128	383100	22.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	132671	20.70	ug/l	99

(#) = 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: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion:168 Resp: 333585

Ion Ratio Lower Upper

168 100

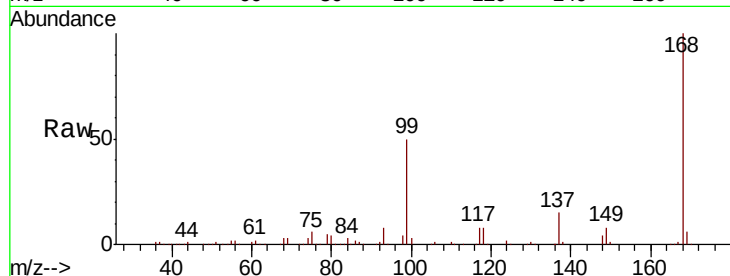
99 50.2 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

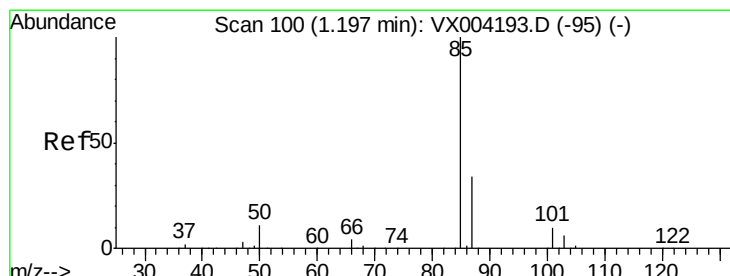
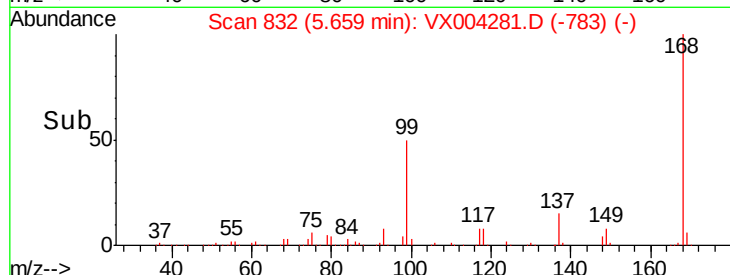
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.71 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004281.D

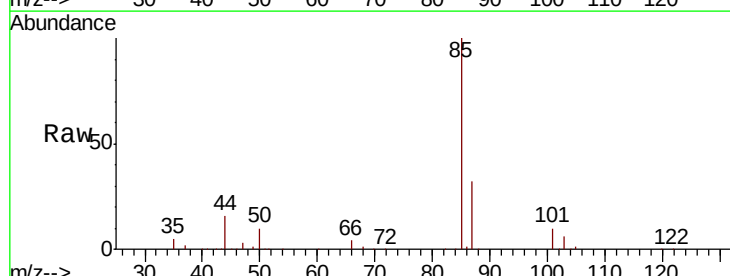
Acq: 29 Aug 2018 10:03

Tgt Ion: 85 Resp: 72290

Ion Ratio Lower Upper

85 100

87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

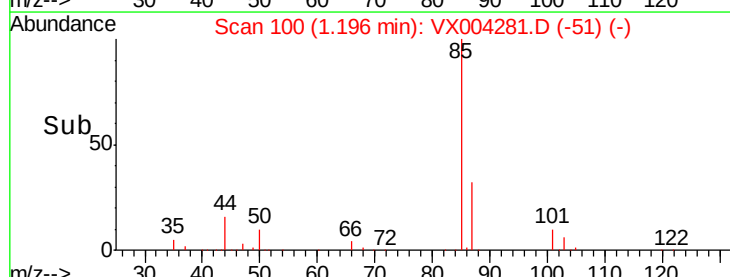
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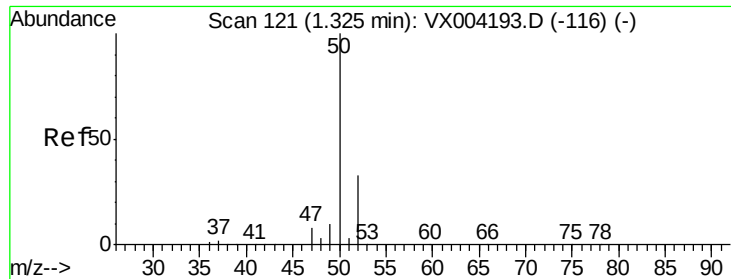
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.67 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion: 50 Resp: 78946

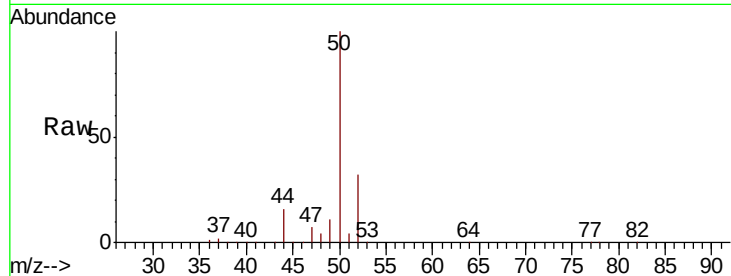
Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.2

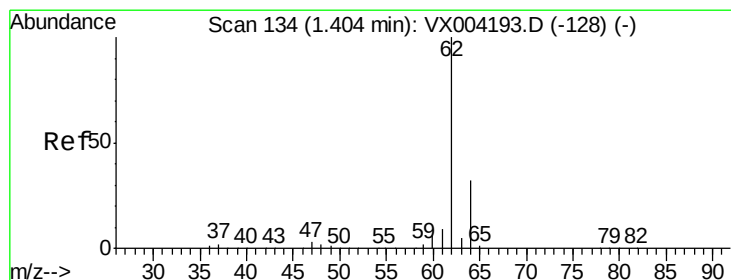
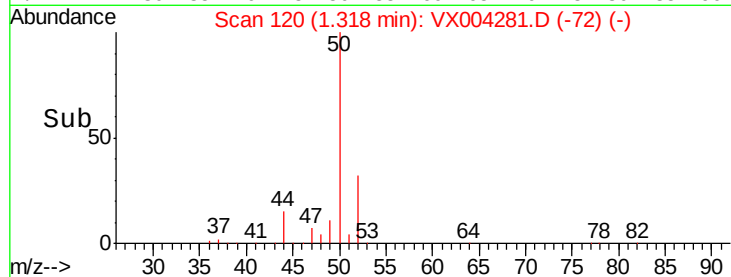
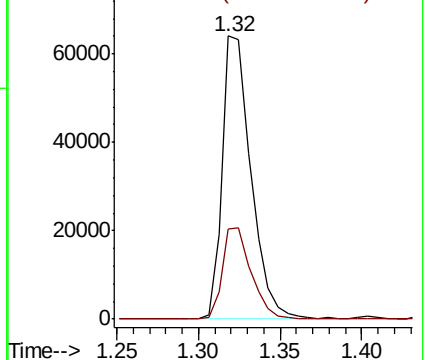
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.88 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004281.D

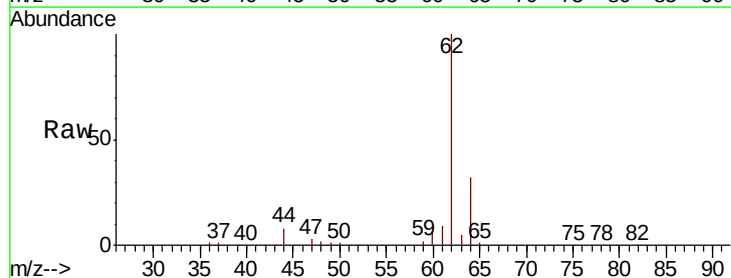
Acq: 29 Aug 2018 10:03

Tgt Ion: 62 Resp: 82541

Ion Ratio Lower Upper

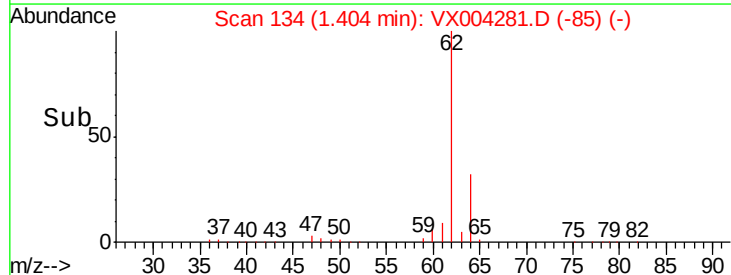
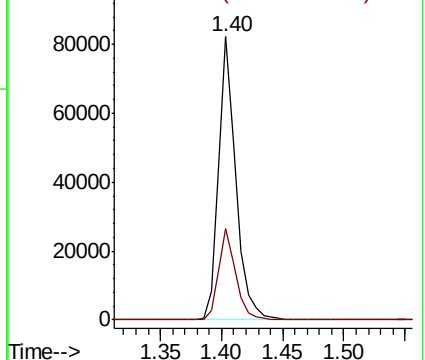
62 100

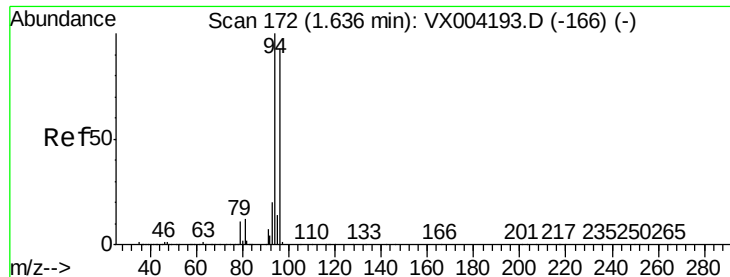
64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.11 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion: 94 Resp: 43880

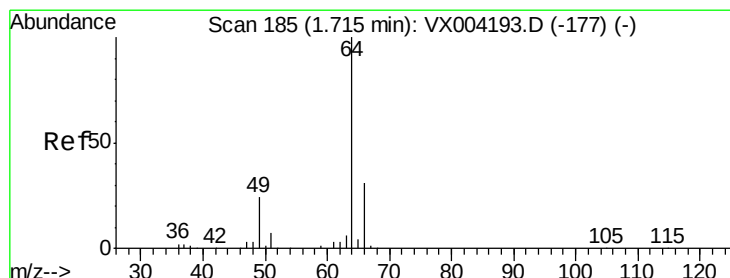
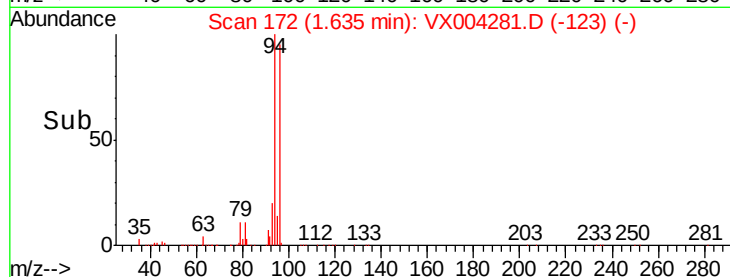
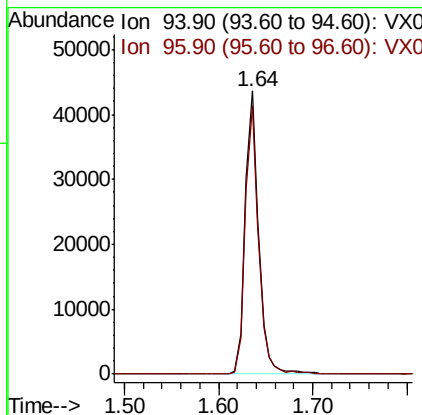
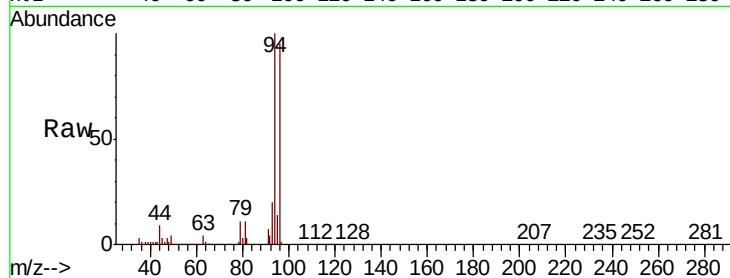
Ion Ratio Lower Upper

94 100

96 94.8 74.5 111.7

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#6

Chloroethane

Concen: 17.71 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004281.D

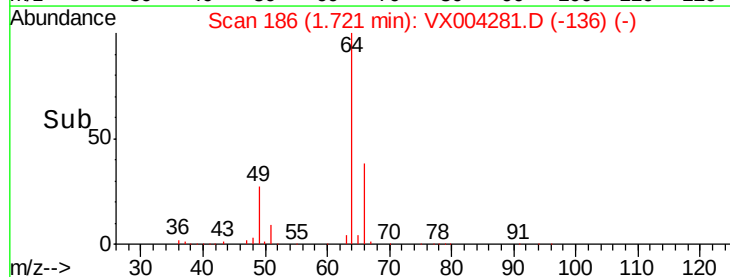
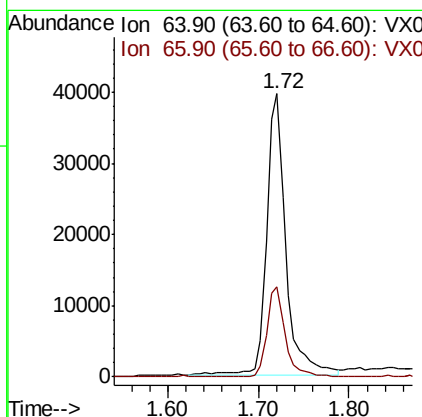
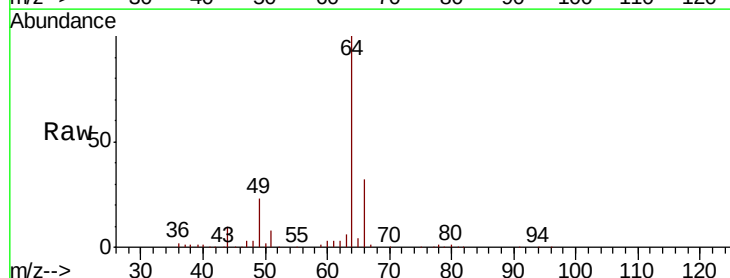
Acq: 29 Aug 2018 10:03

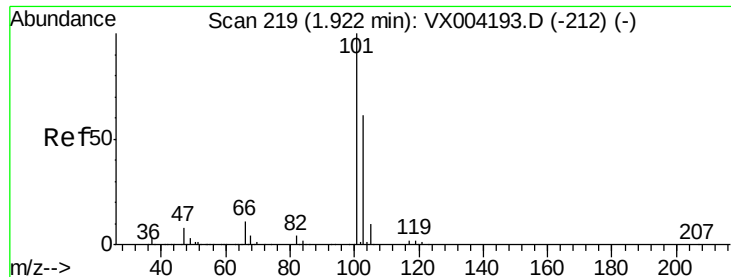
Tgt Ion: 64 Resp: 57098

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8





#7

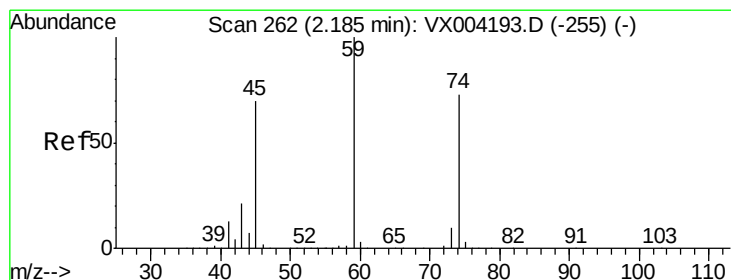
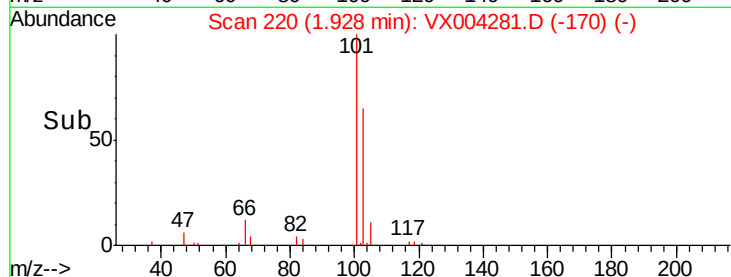
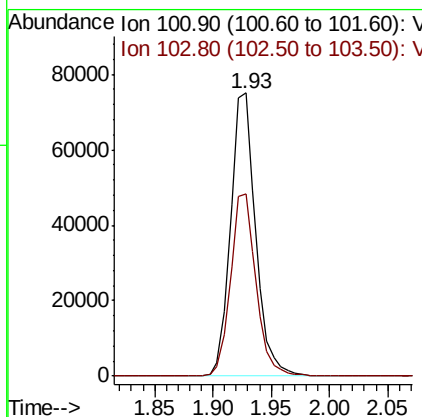
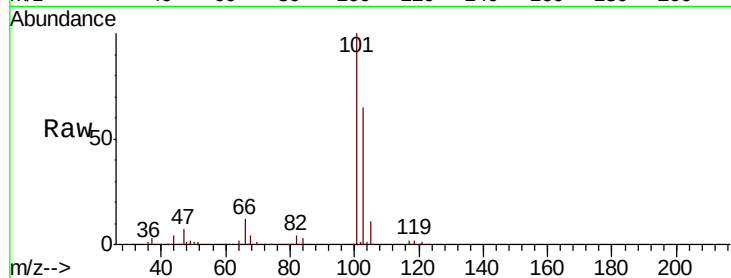
Trichlorofluoromethane
 Concen: 18.87 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
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 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	48.9	73.3

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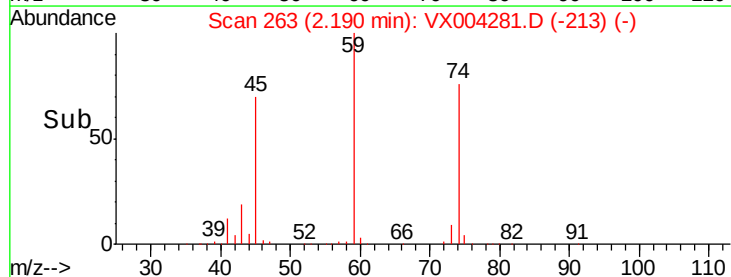
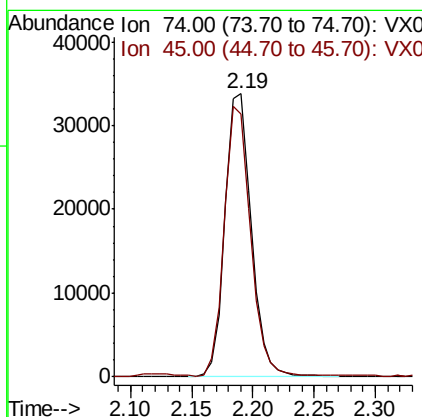
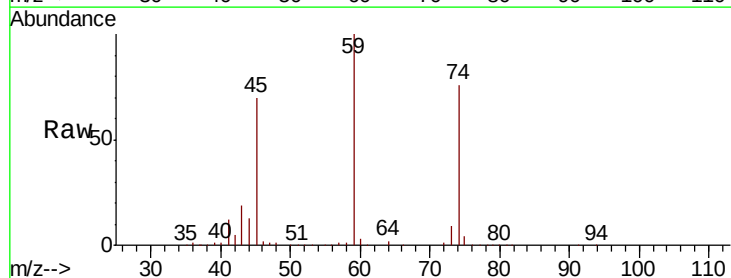
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 8/30/2018 1:38:34 PM

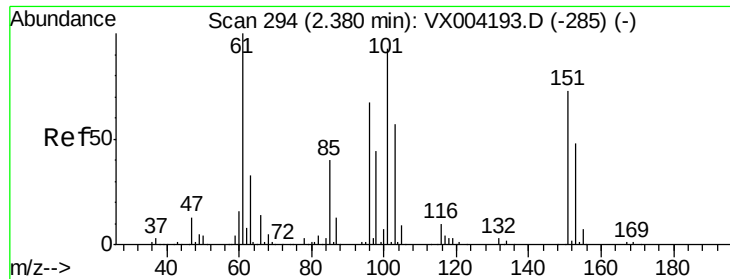


#8

Diethyl Ether
 Concen: 19.72 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.88 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

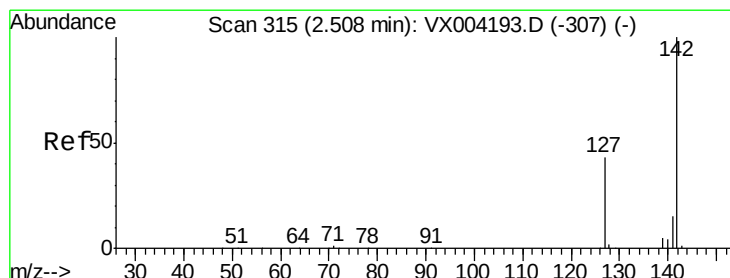
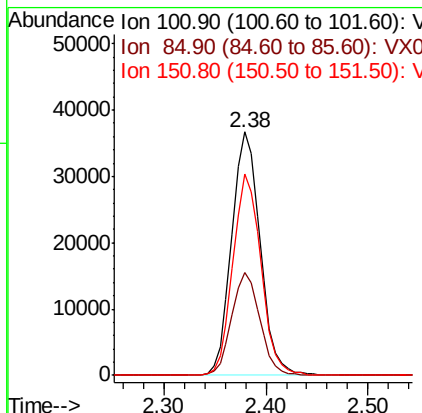
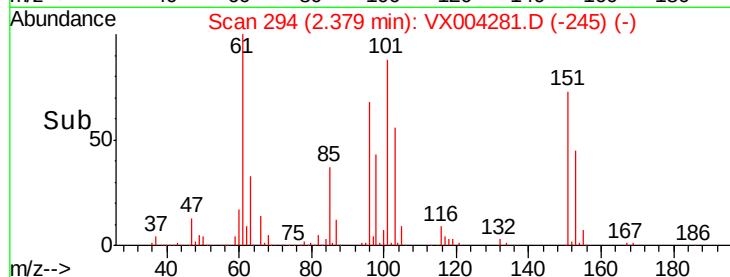
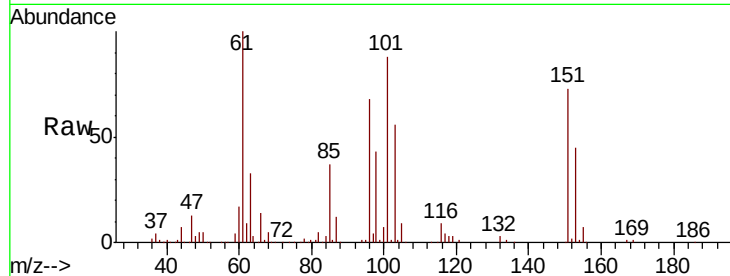
ClientSampleId :

VX0829WBSD01

Tot Ion:	101	Resp:	70825
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	81.8	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.65 ug/l

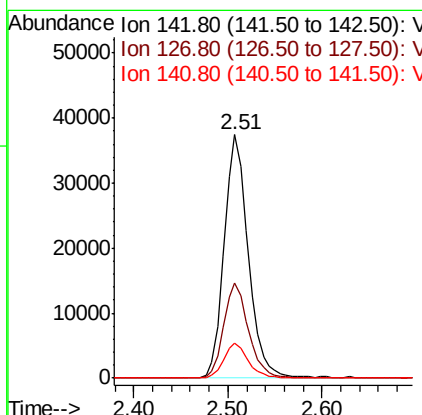
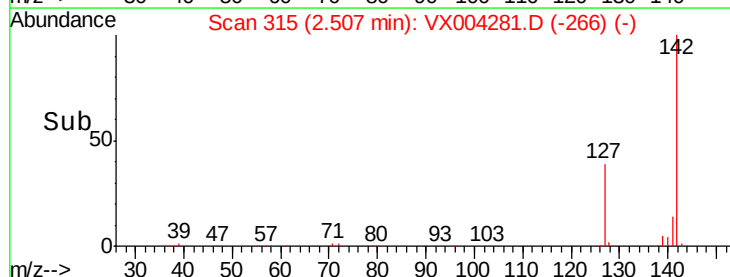
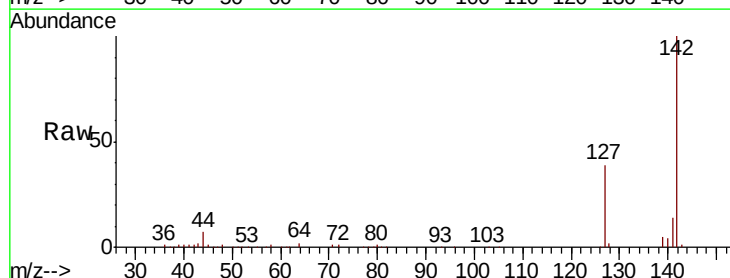
RT: 2.51 min Scan# 315

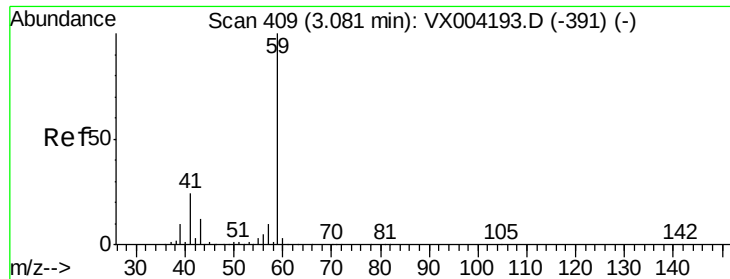
Delta R.T. 0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion:	142	Resp:	66567
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.8	50.6
141	14.1	11.4	17.0





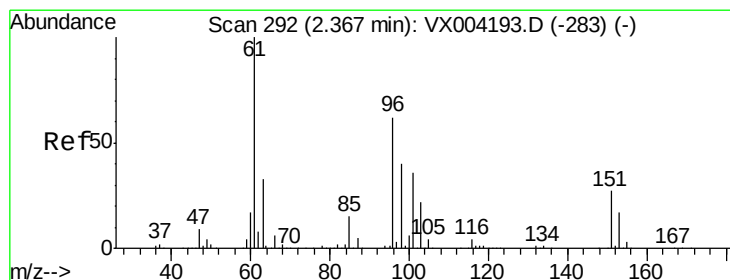
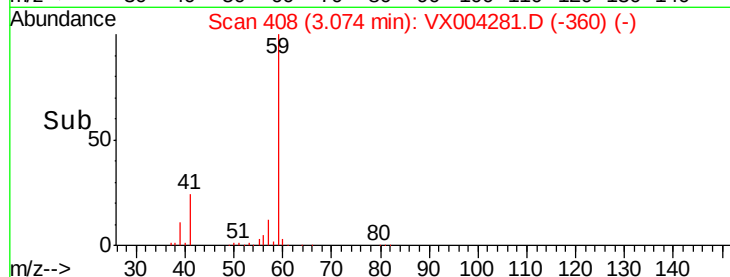
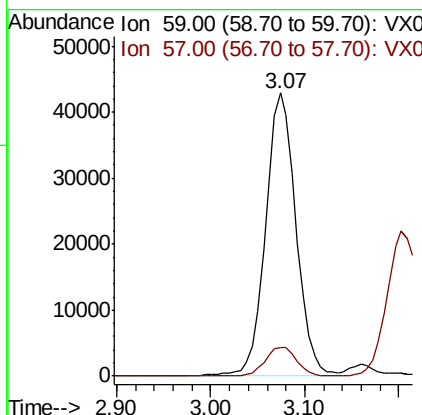
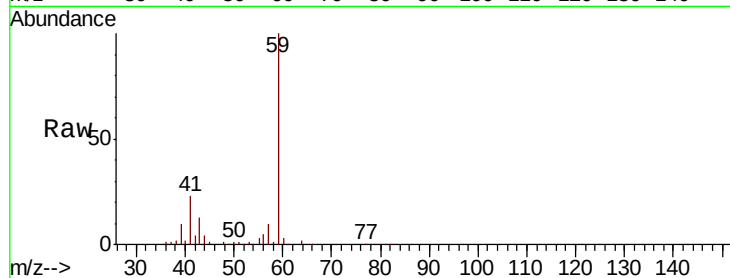
#11
Tert butyl alcohol
Concen: 104.77 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.4

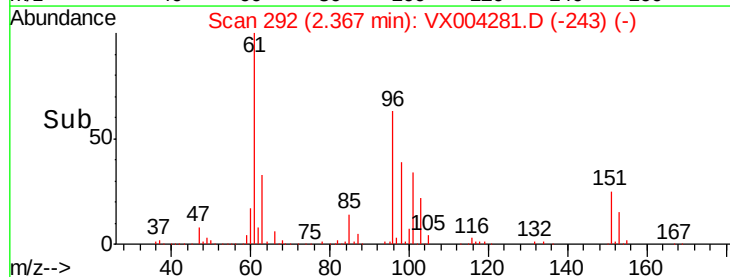
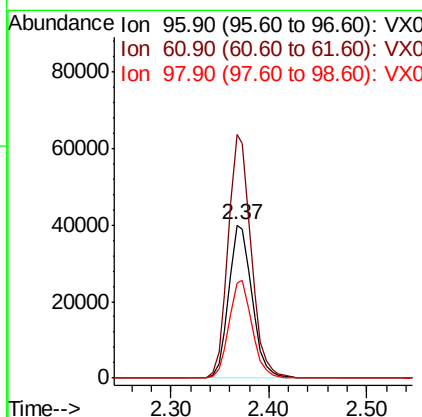
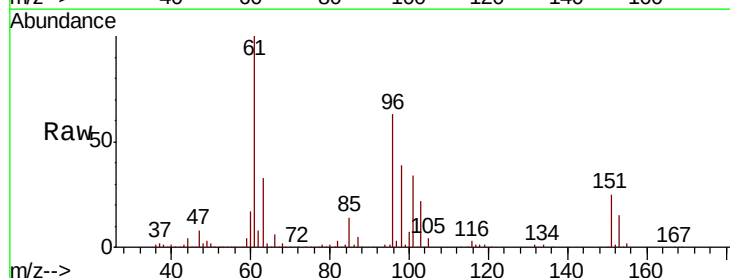
Manual Integrations
APPROVED

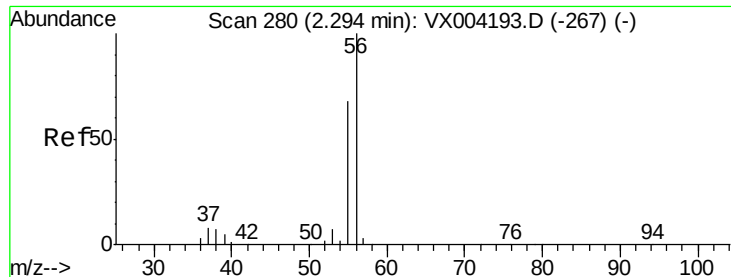
MMDadoda
8/30/2018 1:38:34 PM



#12
1,1-Dichloroethene
Concen: 18.77 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	128.8	193.2
98	61.8	52.2	78.2





#13

Acrolein

Concen: 83.60 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion: 56 Resp: 18679

Ion Ratio Lower Upper

56 100

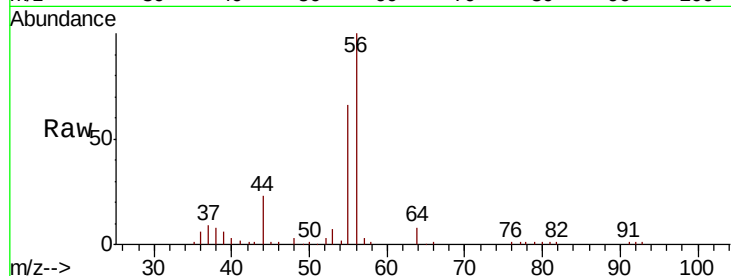
55 68.3 54.7 82.1

Manual Integrations

APPROVED

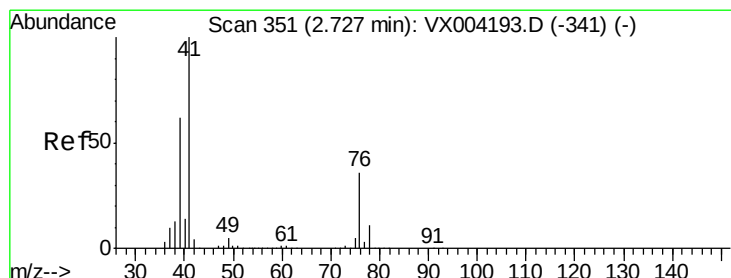
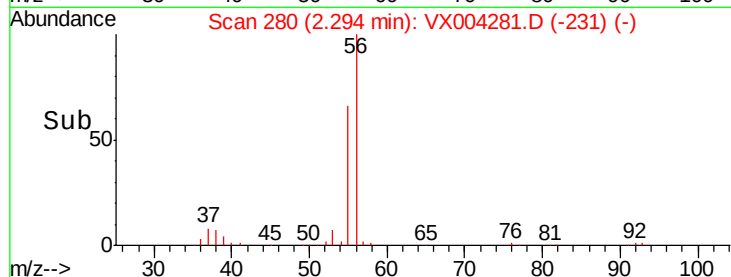
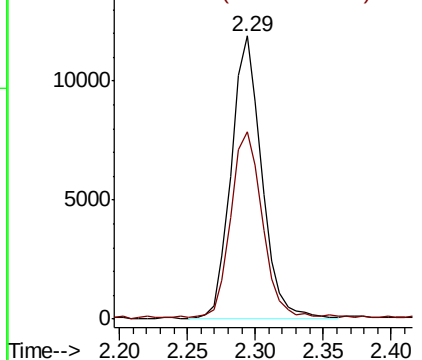
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

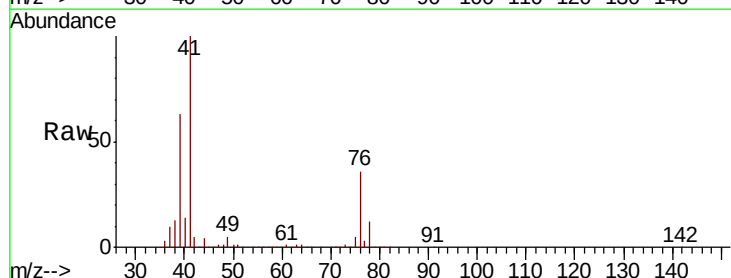
Tgt Ion: 41 Resp: 125038

Ion Ratio Lower Upper

41 100

39 59.1 48.9 73.3

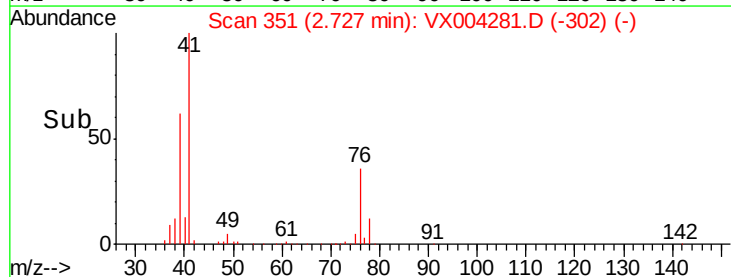
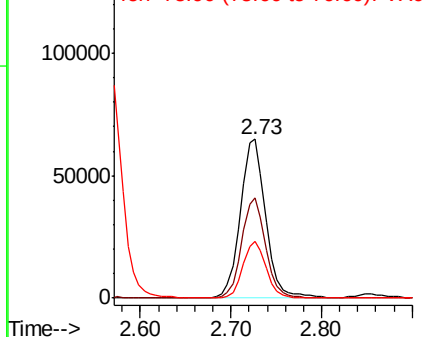
76 33.2 26.7 40.1

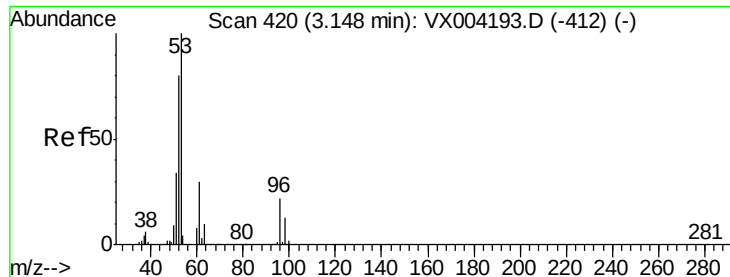


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 97.18 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

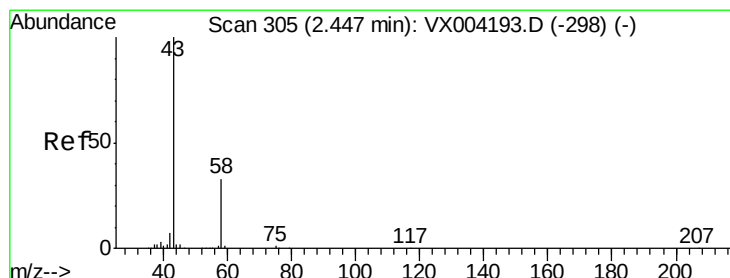
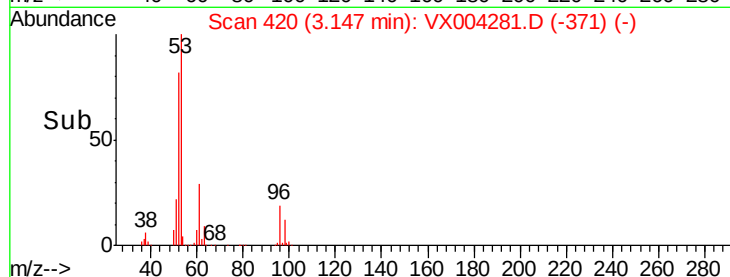
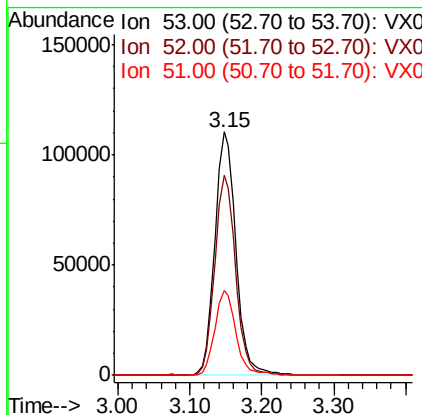
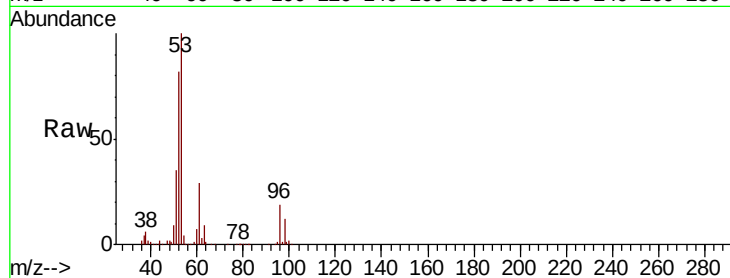
ClientSampleId :

VX0829WBSD01

Tot Ion:	53	Resp:	223045
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.2	97.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 98.52 ug/l

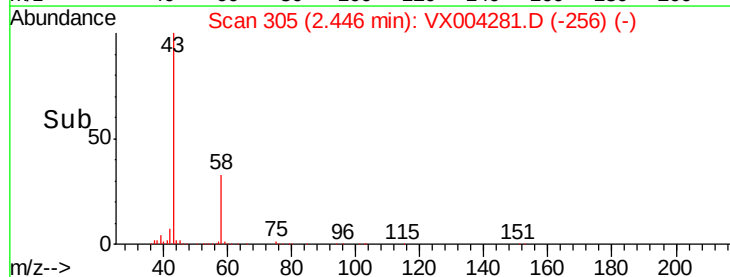
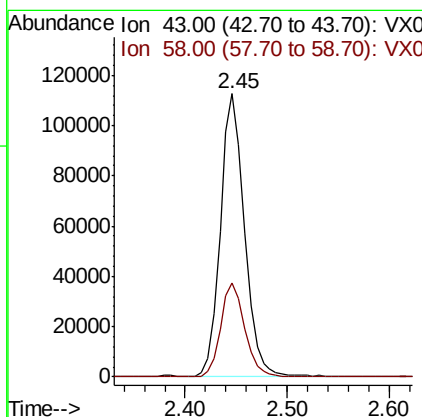
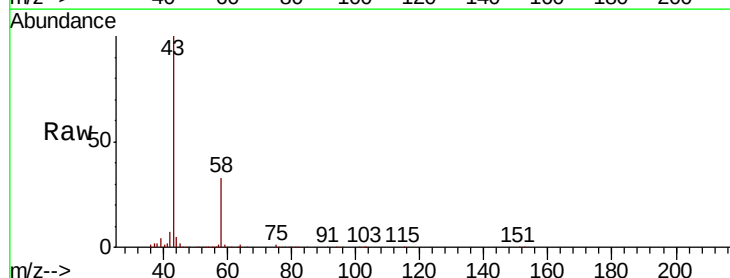
RT: 2.45 min Scan# 305

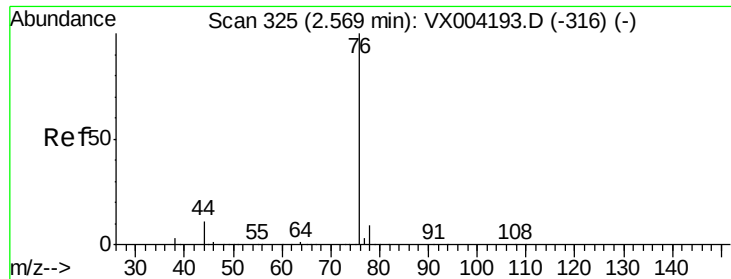
Delta R.T. 0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion:	43	Resp:	183545
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.2	39.4





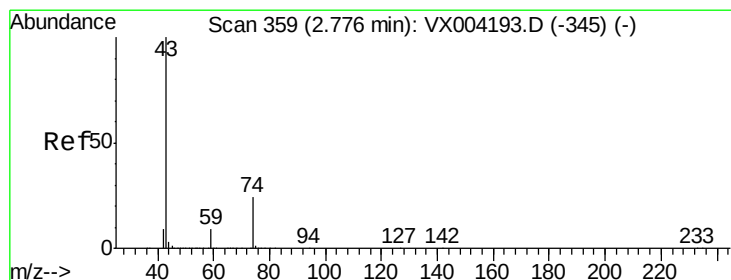
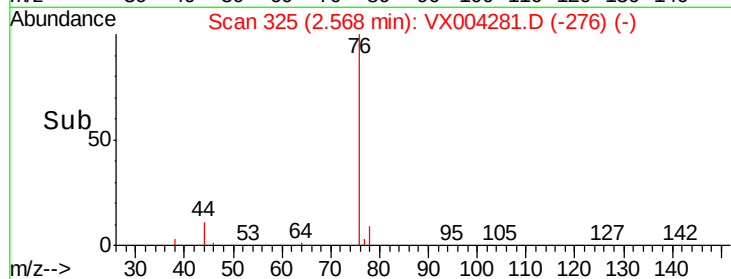
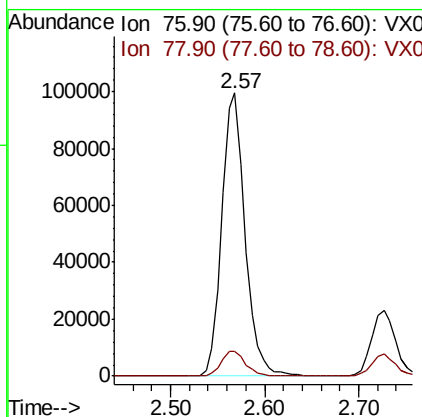
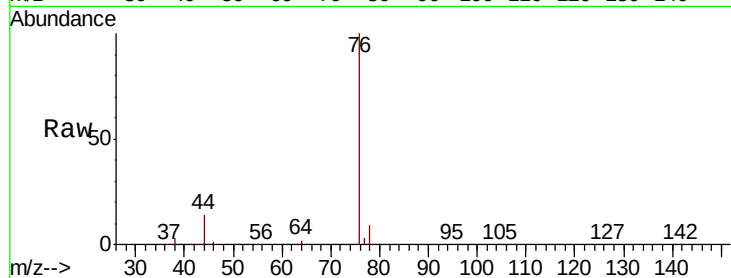
#17
Carbon Disulfide
Concen: 17.84 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

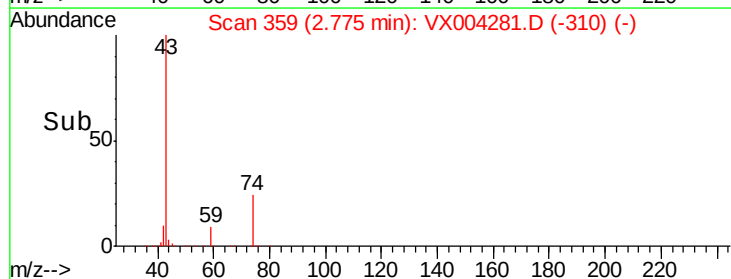
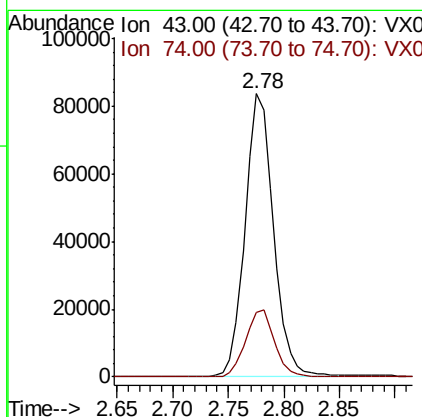
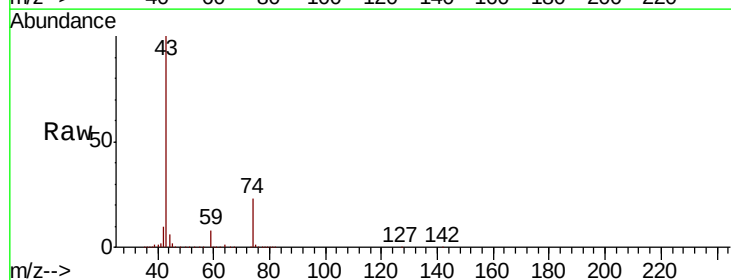
Manual Integrations
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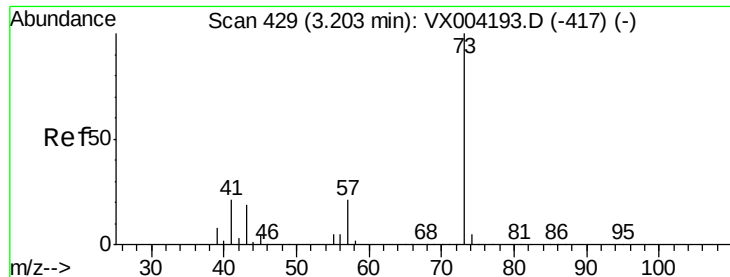
MMDadoda
8/30/2018 1:38:34 PM



#18
Methyl Acetate
Concen: 22.88 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





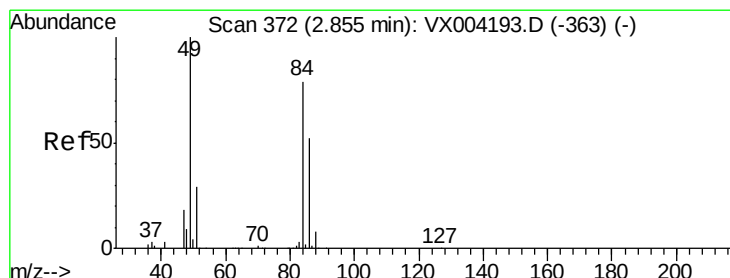
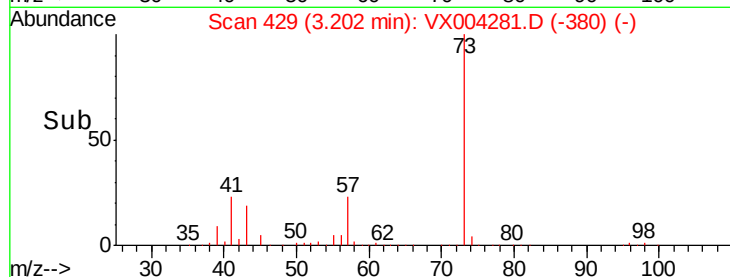
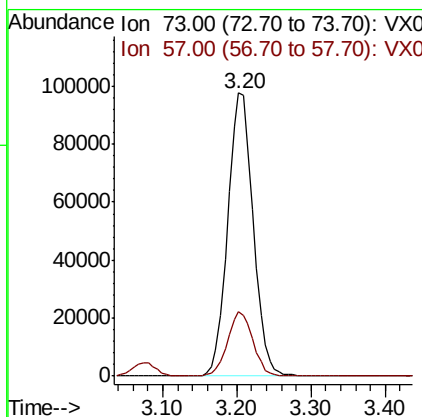
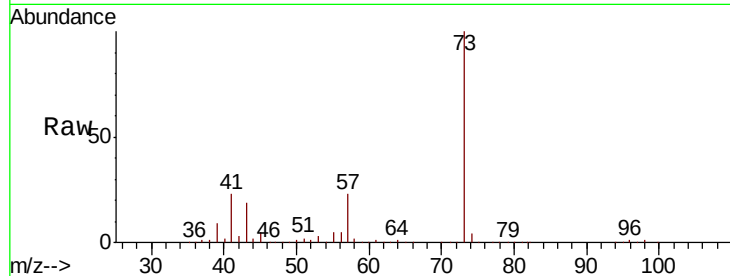
#19
Methyl tert-butyl Ether
Concen: 20.06 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion: 73 Resp: 233662
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

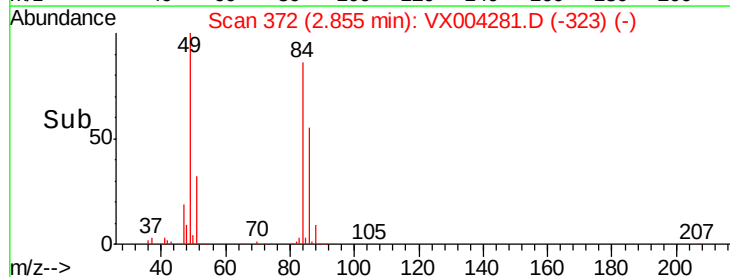
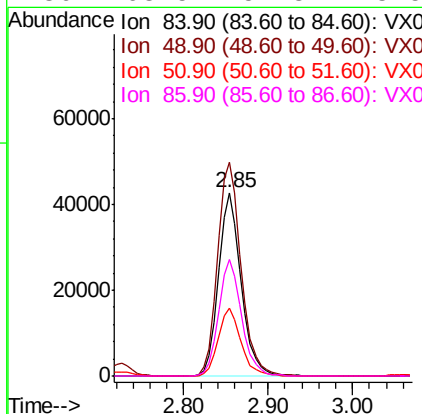
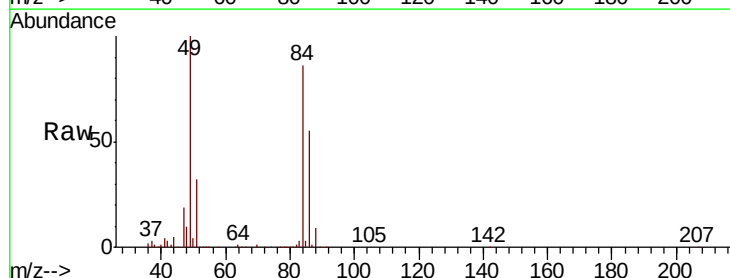
Manual Integrations
APPROVED

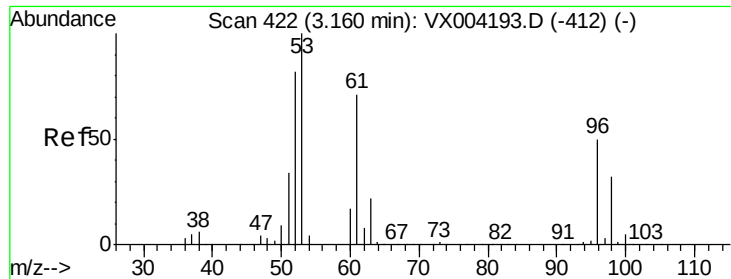
MMDadoda
8/30/2018 1:38:34 PM



#20
Methylene Chloride
Concen: 18.90 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion: 84 Resp: 79121
Ion Ratio Lower Upper
84 100
49 116.3 101.2 151.8
51 37.0 29.5 44.3
86 63.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.48 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

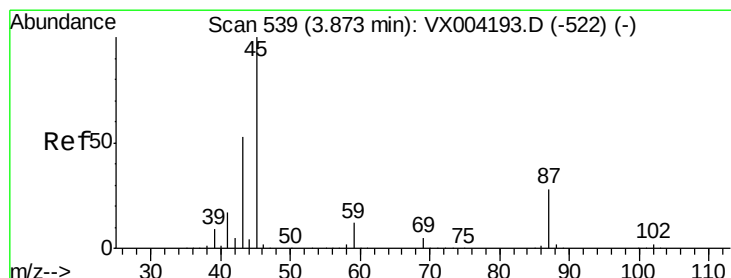
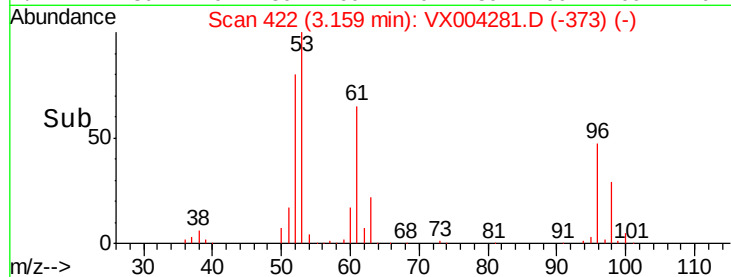
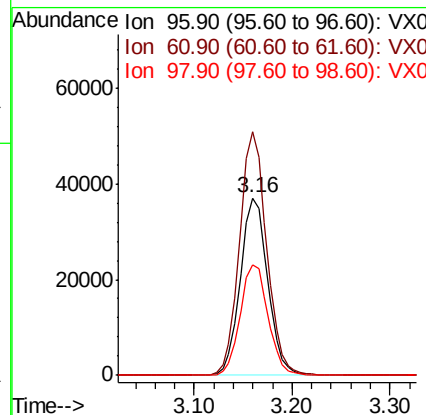
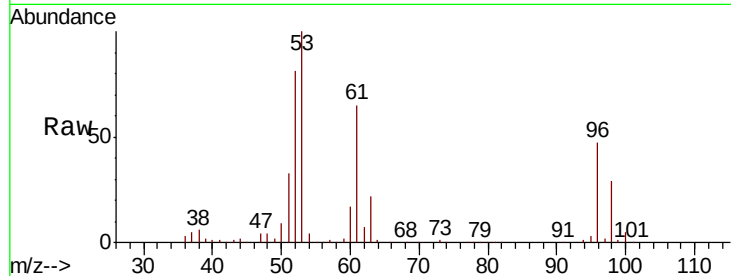
ClientSampleId :

VX0829WBSD01

Tot Ion:	96	Resp:	72304
Ion	Ratio	Lower	Upper
96	100		
61	136.9	113.8	170.6
98	62.6	51.8	77.8

Manual Integrations
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8/30/2018 1:38:34 PM



#22

Diisopropyl ether

Concen: 19.31 ug/l

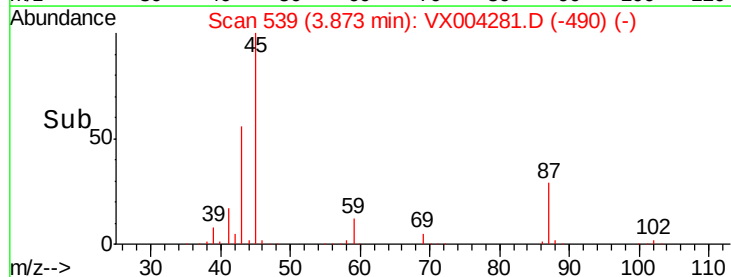
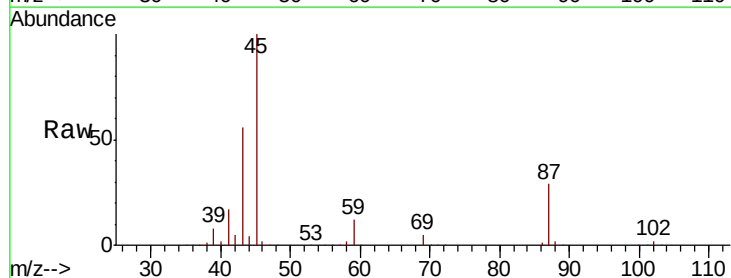
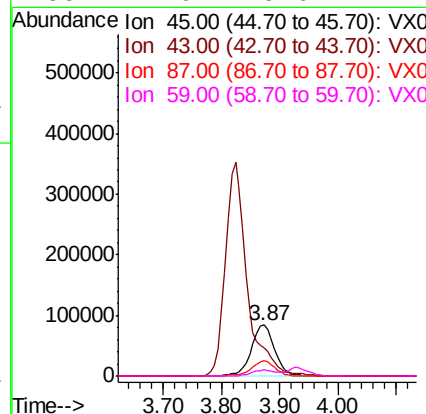
RT: 3.87 min Scan# 539

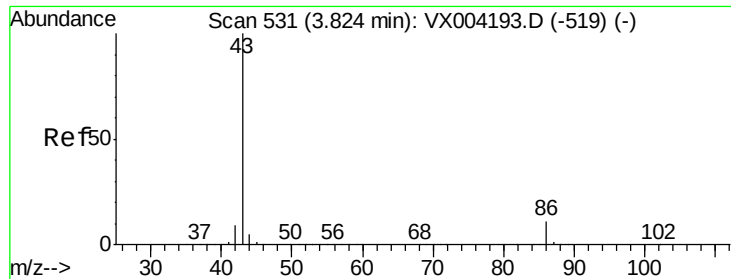
Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion:	45	Resp:	234149
Ion	Ratio	Lower	Upper
45	100		
43	55.9	42.8	64.2
87	29.1	22.6	34.0
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 92.98 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion: 43 Resp: 913593

Ion Ratio Lower Upper

43 100

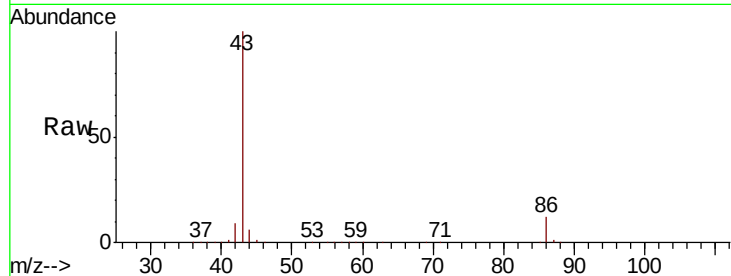
86 11.8 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

300000

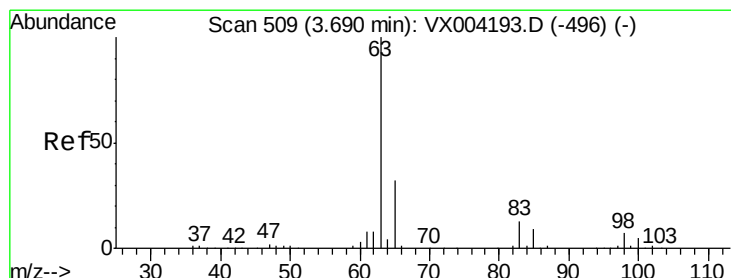
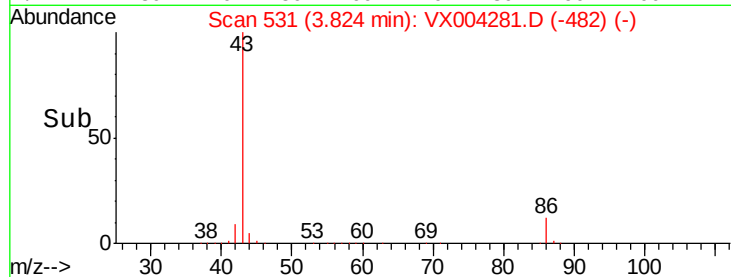
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.55 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

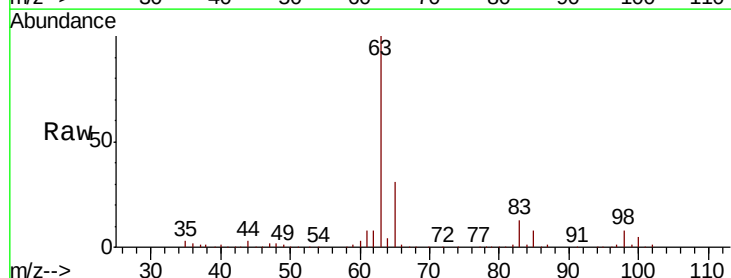
Tgt Ion: 63 Resp: 138102

Ion Ratio Lower Upper

63 100

98 7.5 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

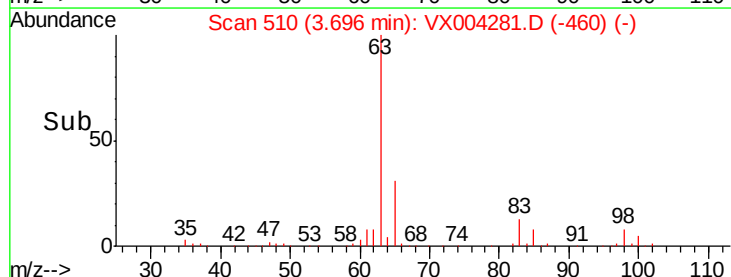
40000

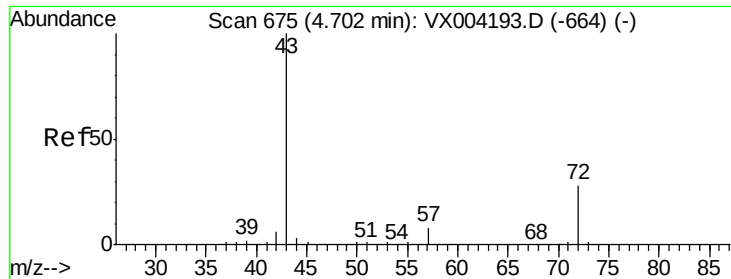
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 97.26 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion: 43 Resp: 288404

Ion Ratio Lower Upper

43 100

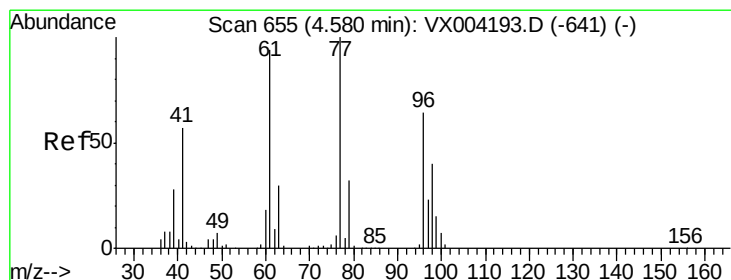
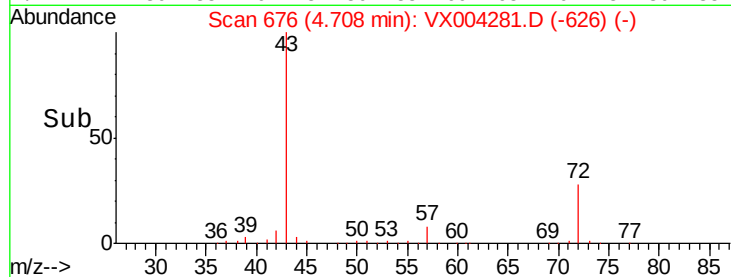
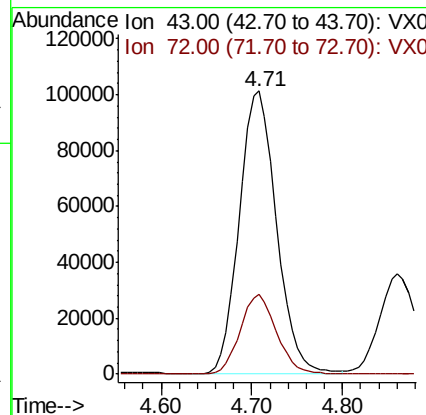
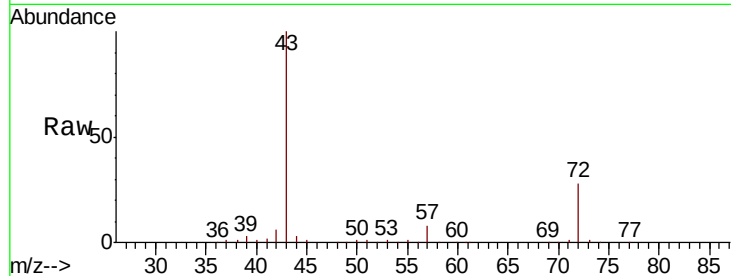
72 28.1 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

8/30/2018 1:38:34 PM



#26

2,2-Dichloropropane

Concen: 18.64 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004281.D

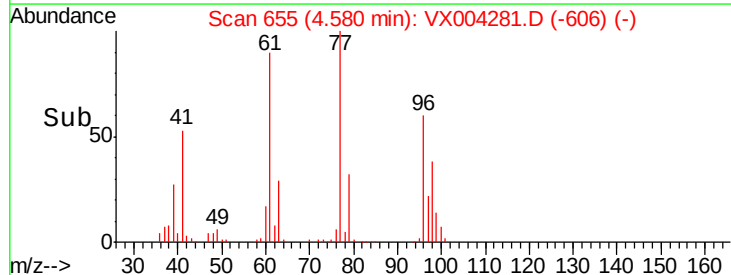
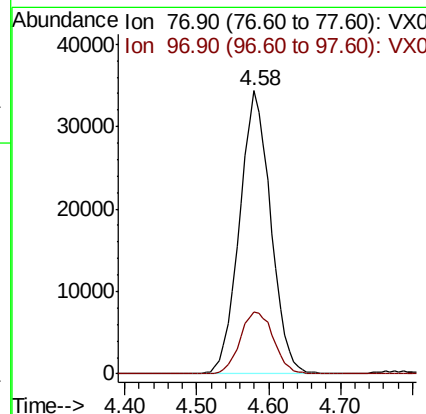
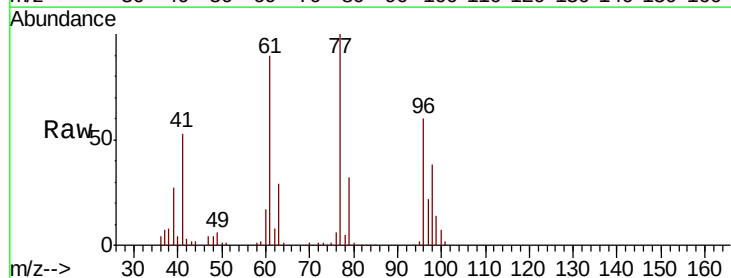
Acq: 29 Aug 2018 10:03

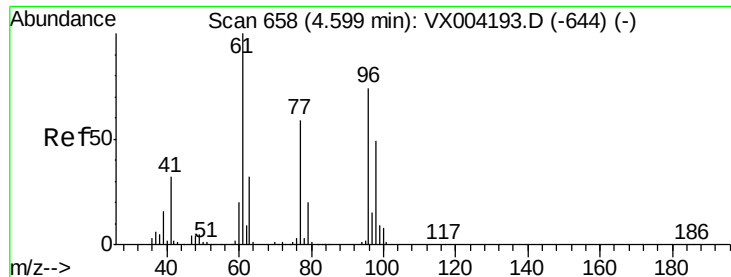
Tgt Ion: 77 Resp: 103313

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 18.89 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion: 96 Resp: 83810

Ion Ratio Lower Upper

96 100

61 139.7 0.0 282.6

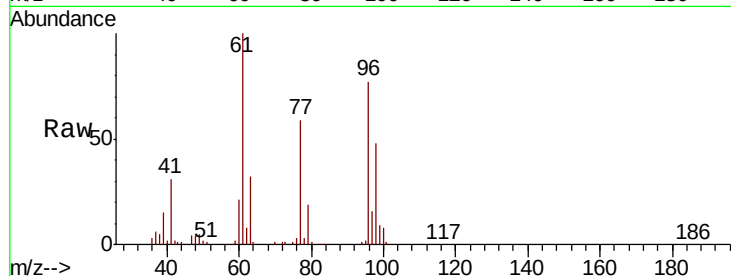
98 64.7 0.0 130.2

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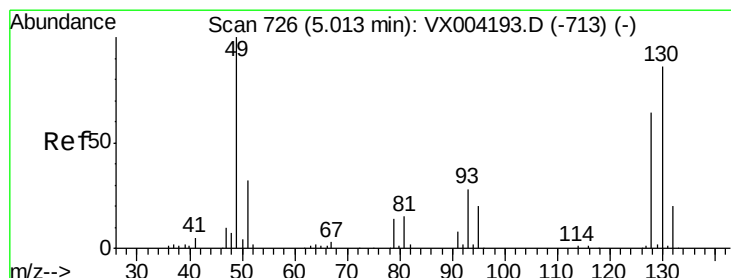
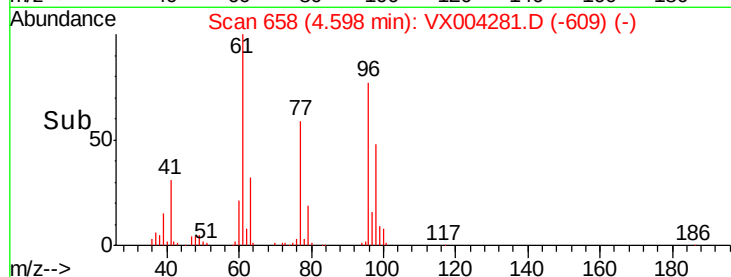
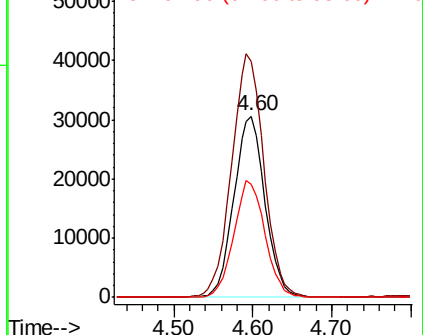


Abundance

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



#28

Bromochloromethane

Concen: 19.24 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

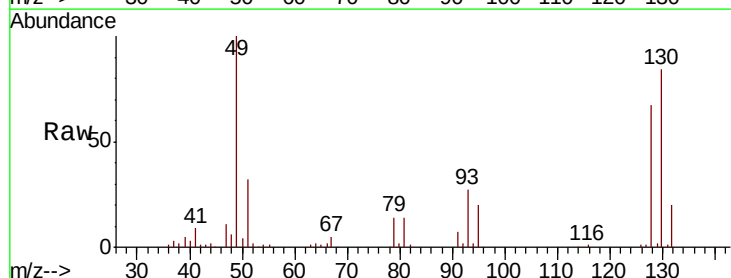
Tgt Ion: 49 Resp: 60183

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 85.7 67.5 101.3

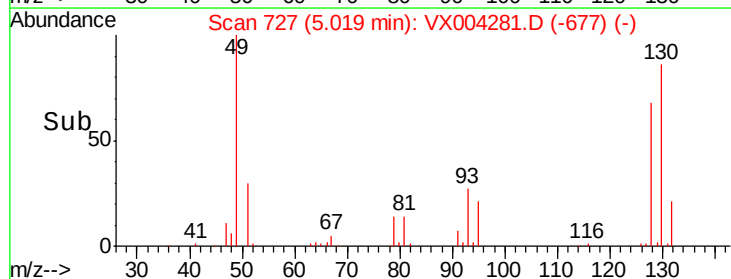
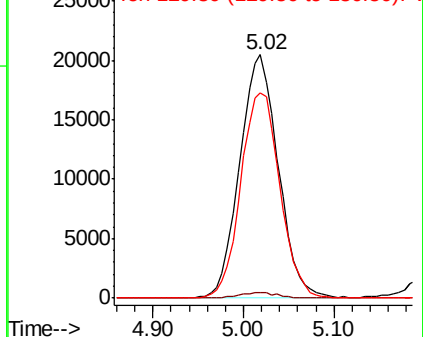


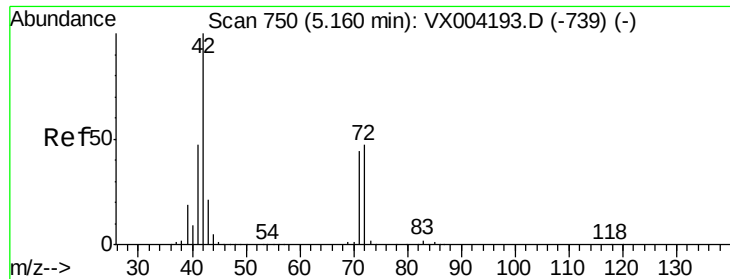
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





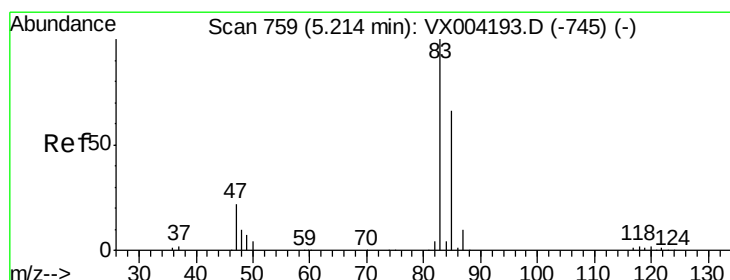
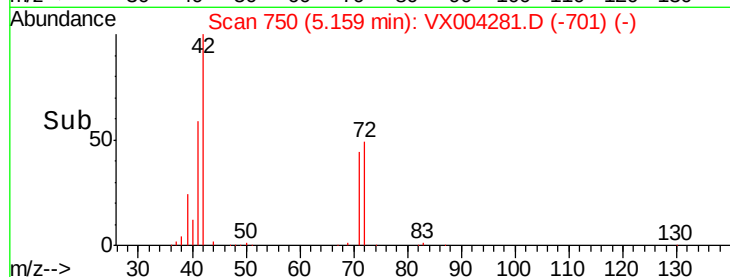
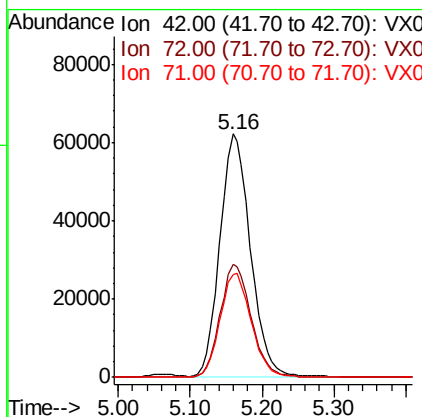
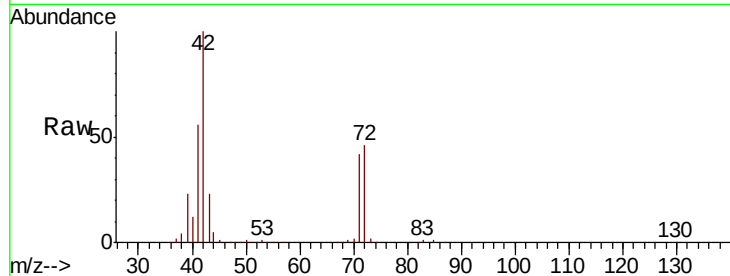
#29
Tetrahydrofuran
Concen: 97.64 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.0
71	43.7	34.5	51.7

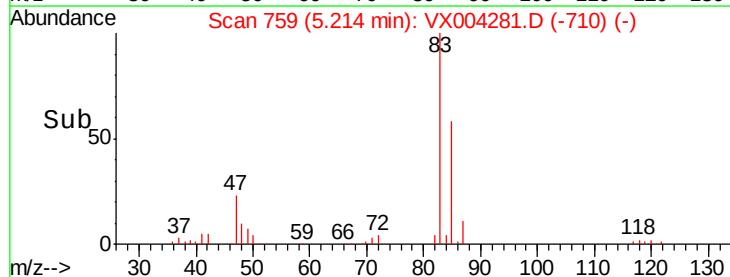
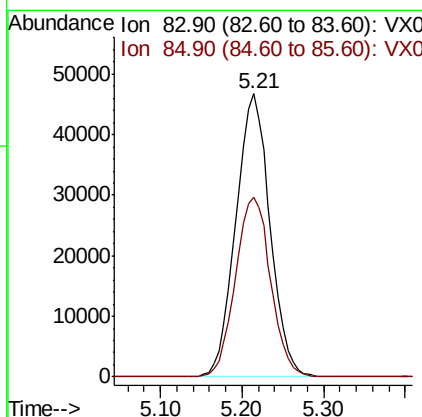
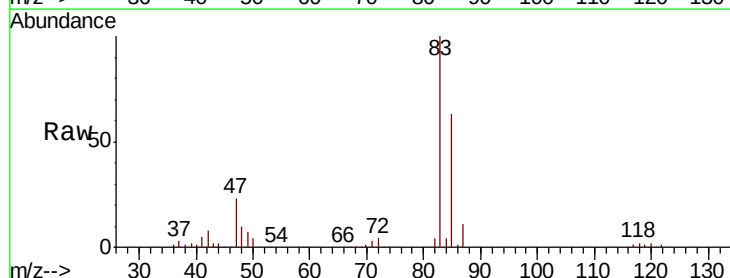
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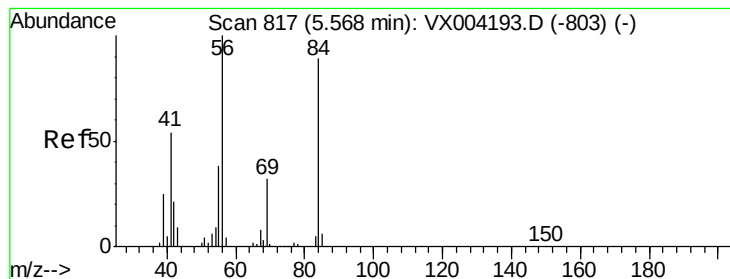
MMDadoda
8/30/2018 1:38:34 PM



#30
Chloroform
Concen: 19.13 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0





#31

Cyclohexane

Concen: 18.34 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

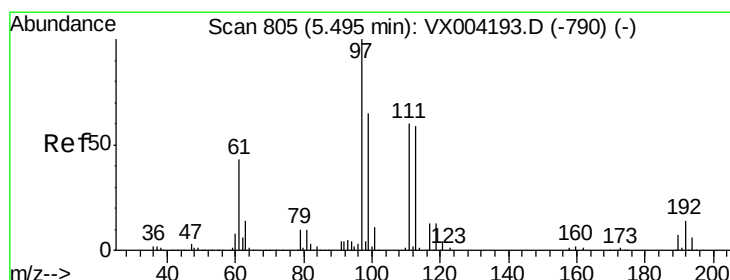
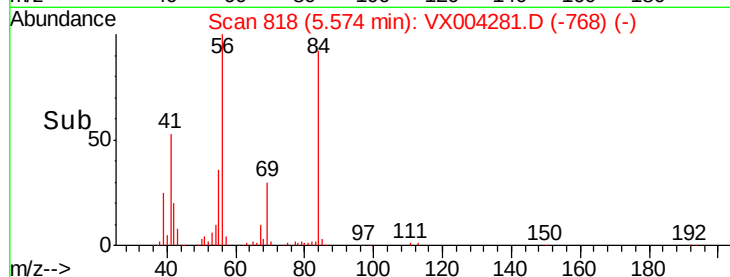
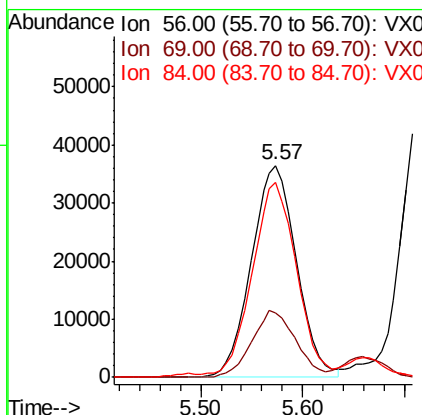
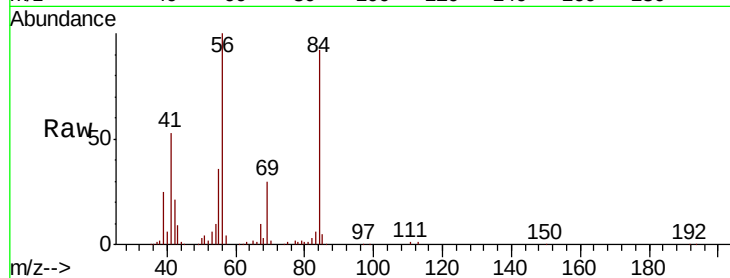
ClientSampleId :

VX0829WBSD01

Tot Ion:	56	Resp:	111821
Ion Ratio	Lower	Upper	
56	100		
69	30.1	25.4	38.2
84	90.0	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.23 ug/l

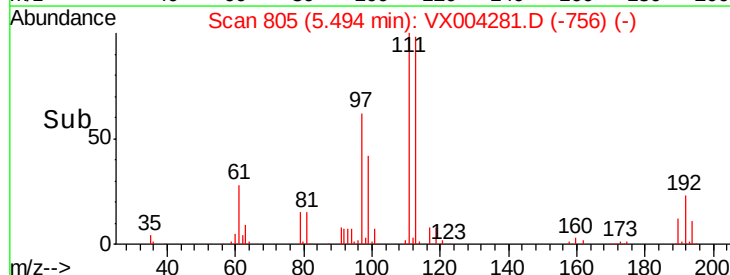
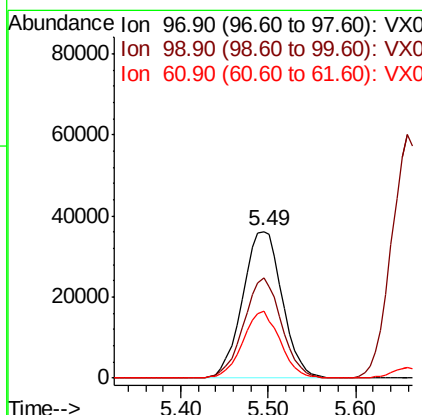
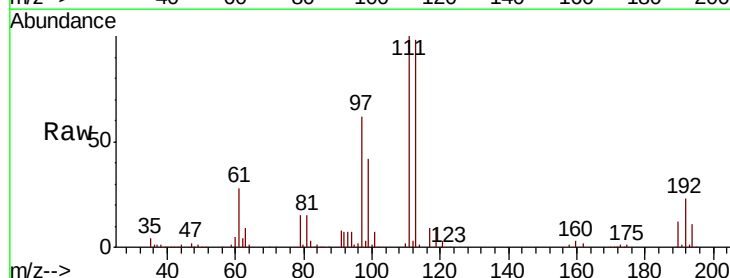
RT: 5.49 min Scan# 805

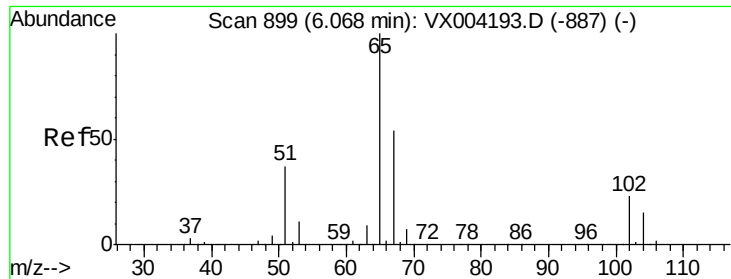
Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion:	97	Resp:	113569
Ion Ratio	Lower	Upper	
97	100		
99	65.0	52.0	78.0
61	43.2	34.9	52.3





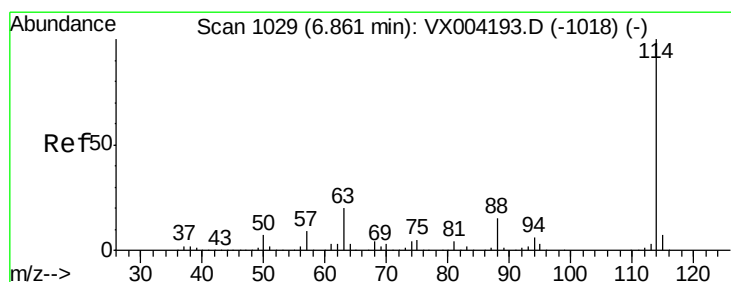
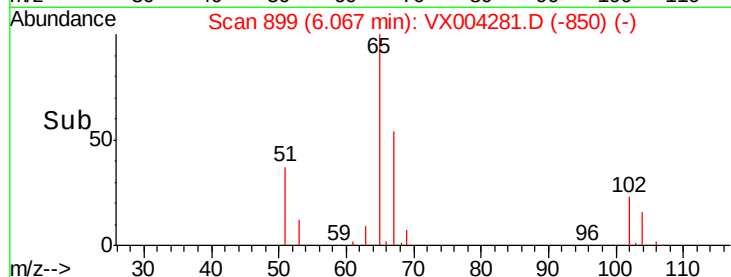
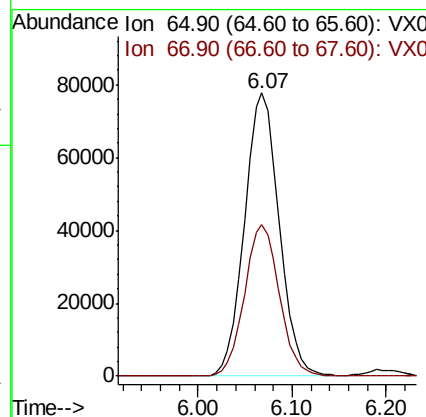
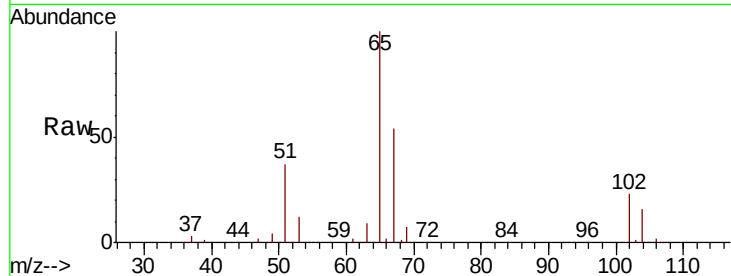
#33
 1,2-Dichloroethane-d4
 Concen: 46.15 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200639		
67	53.6		0.0	106.8

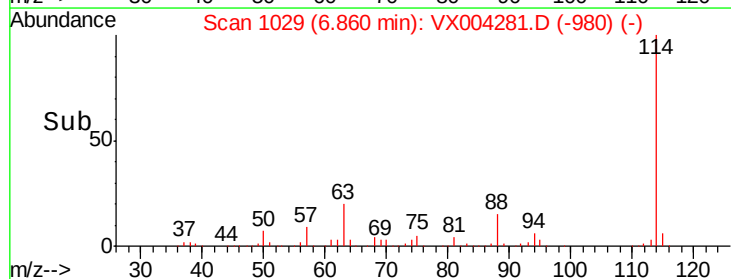
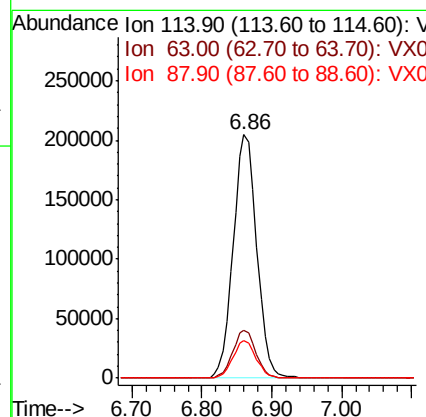
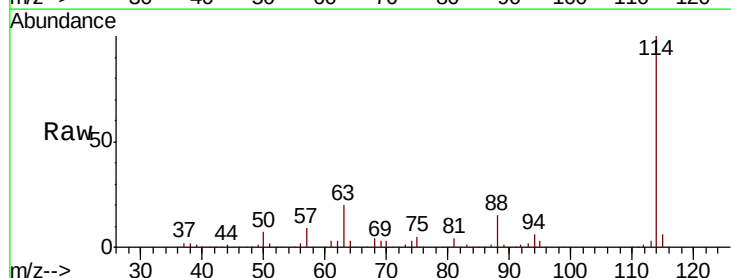
Manual Integrations
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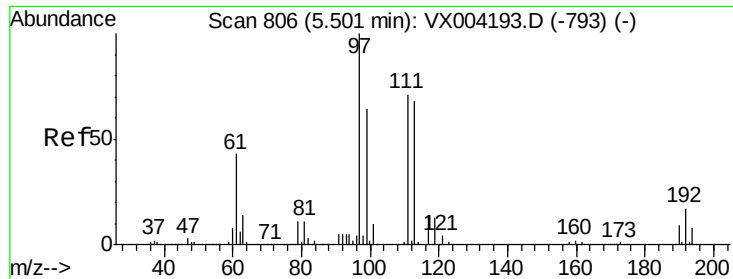
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478941		
63	19.7		0.0	39.0
88	15.3		0.0	30.4





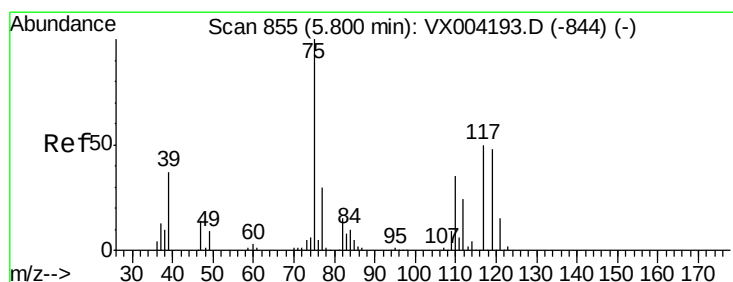
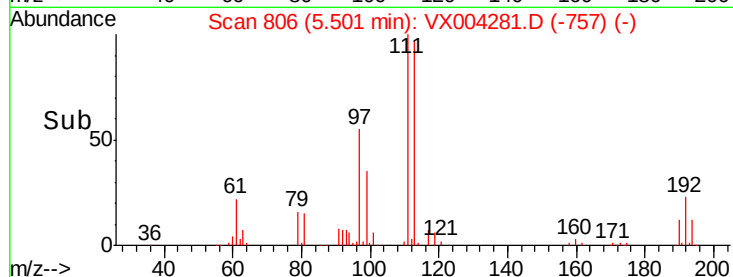
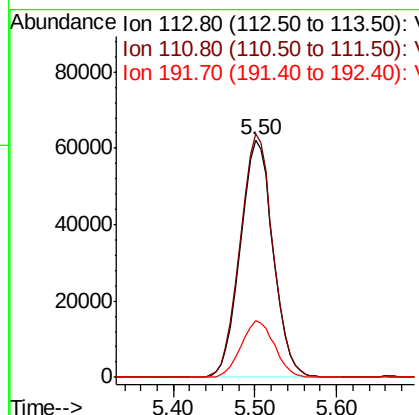
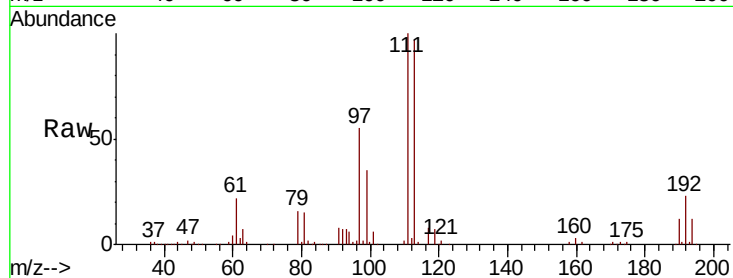
#35
 Dibromofluoromethane
 Concen: 48.75 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173696		
111	102.7	82.4	123.6	
192	24.2	19.4	29.2	

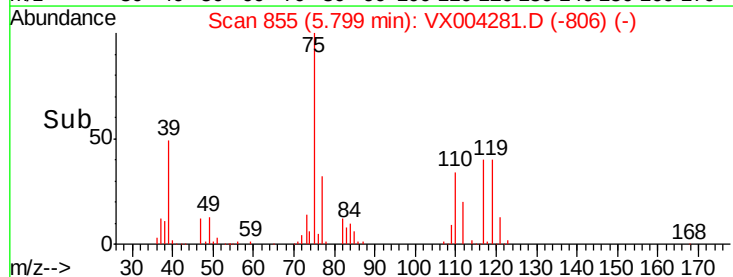
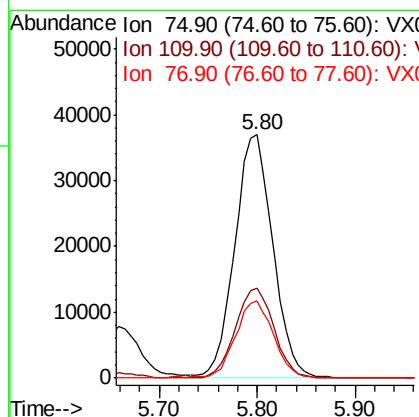
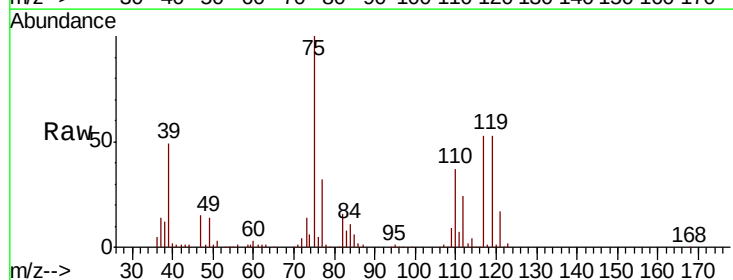
Manual Integrations
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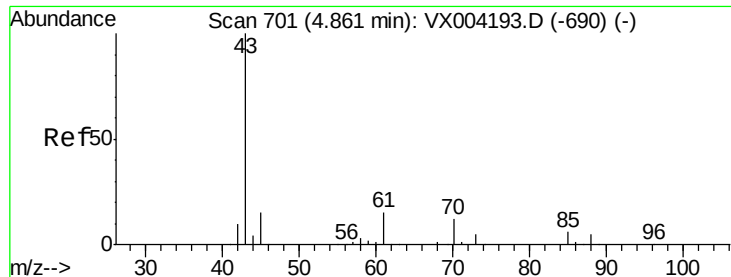
MMDadoda
 8/30/2018 1:38:34 PM



#36
 1,1-Dichloropropene
 Concen: 18.43 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99248		
110	37.6	18.0	54.0	
77	32.5	24.6	36.8	





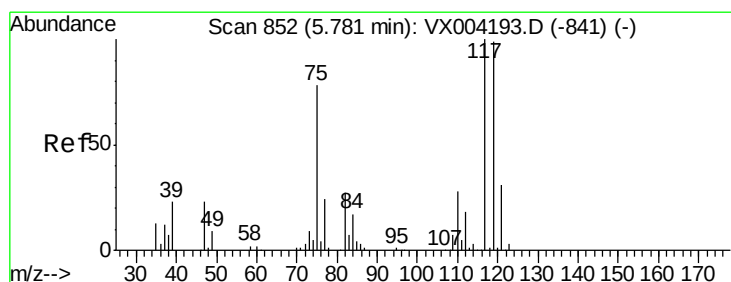
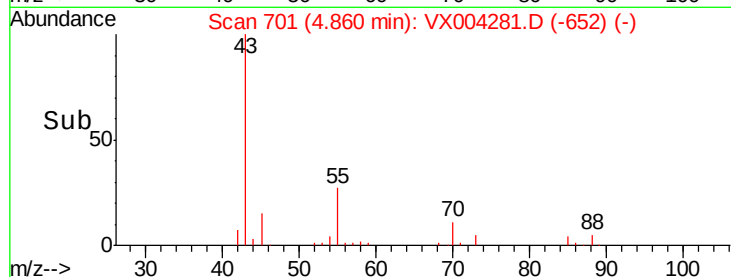
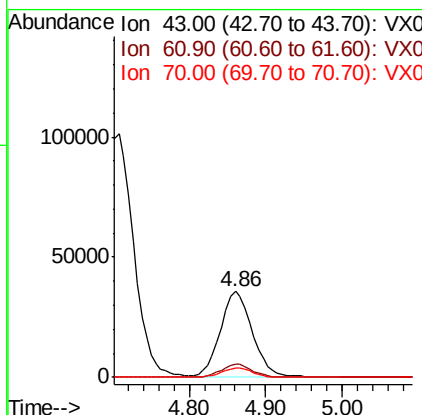
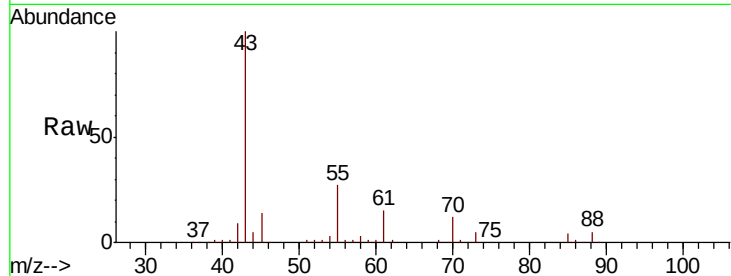
#37
Ethyl Acetate
Concen: 19.61 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.2	9.0	13.6

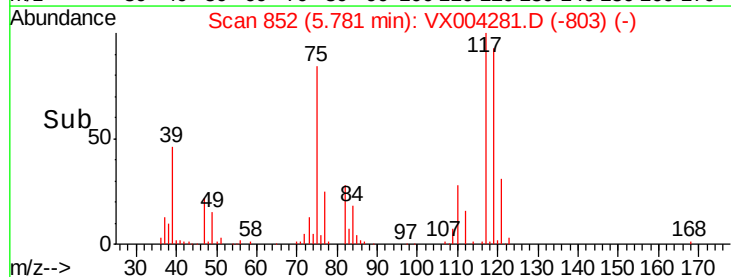
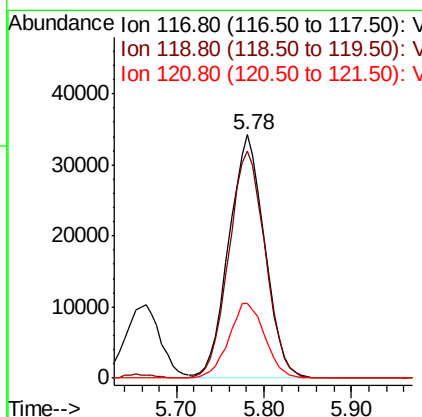
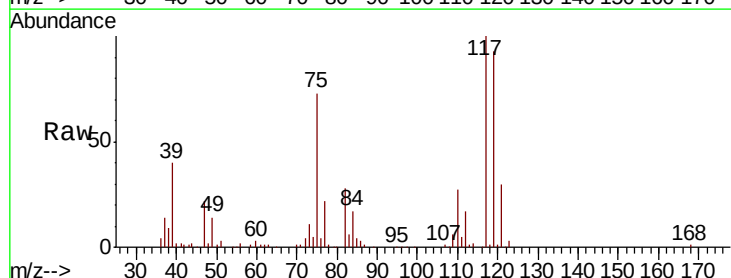
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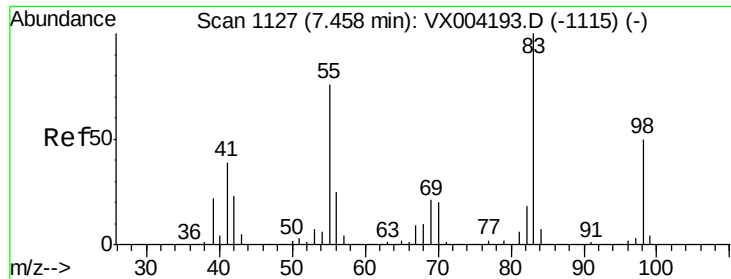
MMDadoda
8/30/2018 1:38:34 PM



#38
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.8	118.2
121	30.4	24.9	37.3





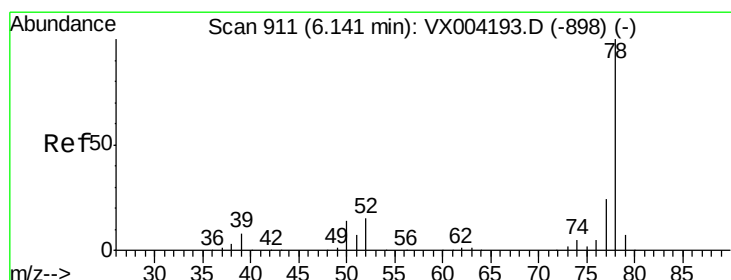
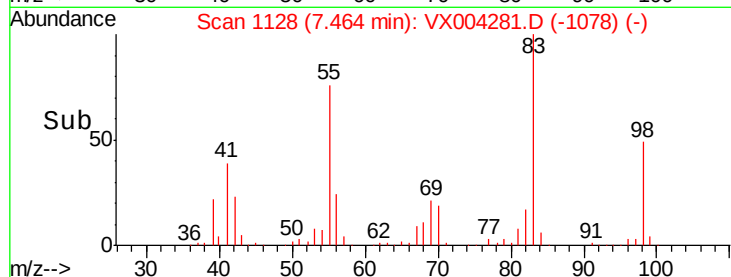
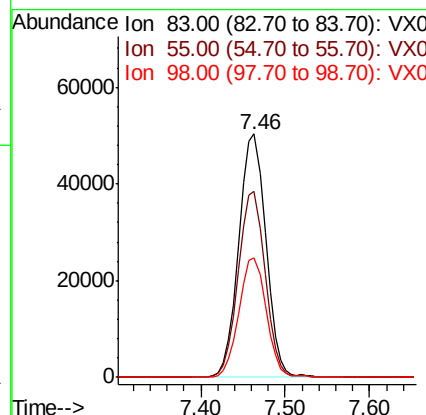
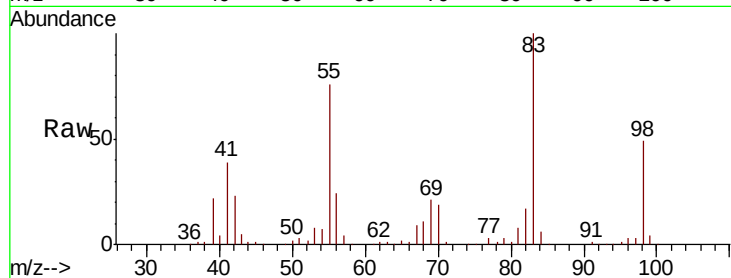
#39
Methylvlcyclohexane
Concen: 17.85 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.5	61.0	91.4	
98	49.2	39.6	59.4	

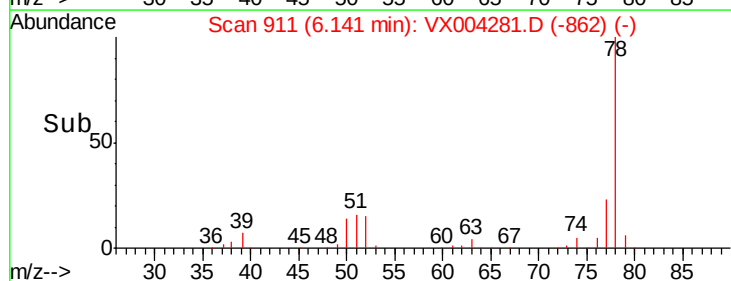
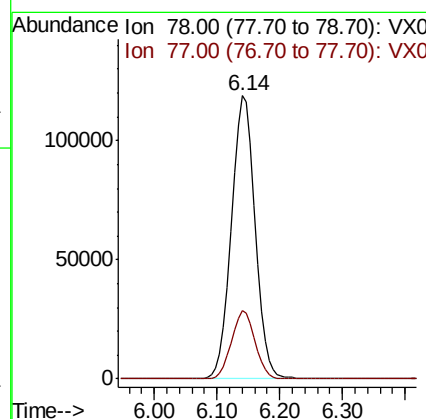
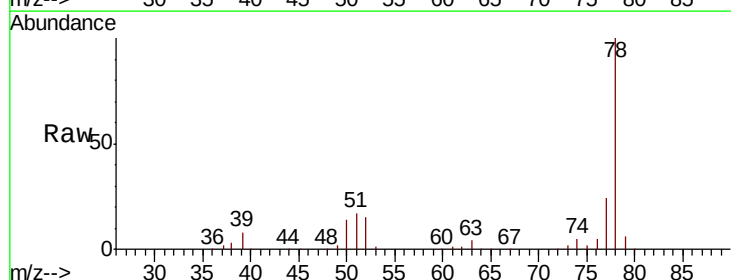
Manual Integrations
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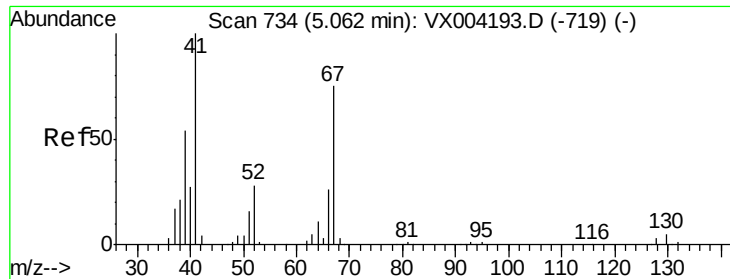
MMDadoda
8/30/2018 1:38:34 PM



#40
Benzene
Concen: 19.34 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.4	





#41

Methacrylonitrile

Concen: 19.53 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

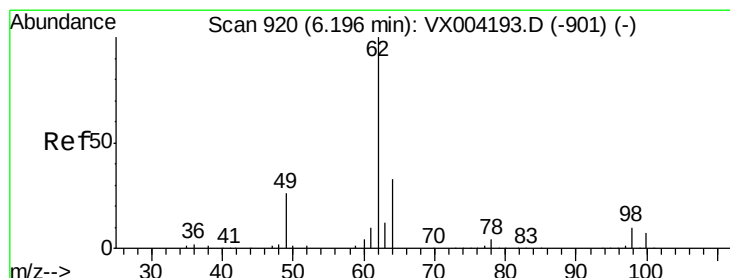
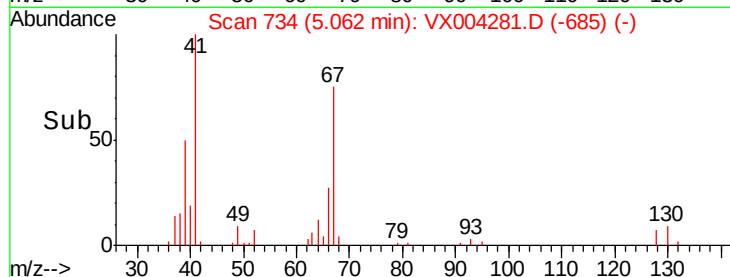
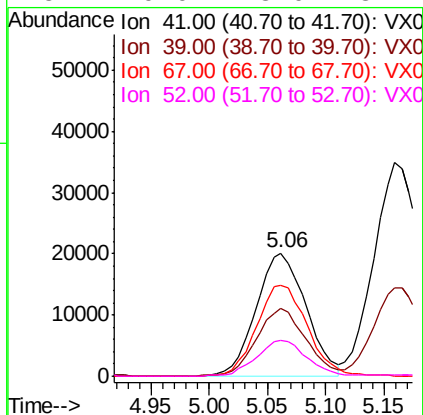
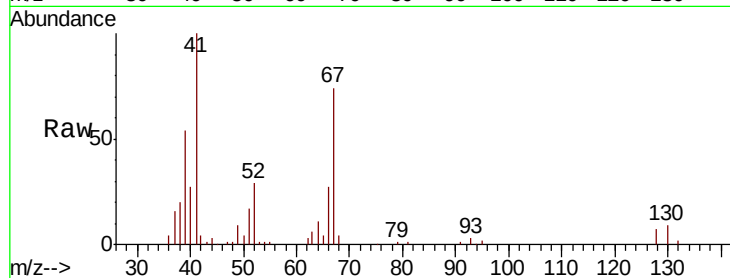
ClientSampleId :

VX0829WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	42.4	63.6	
67	75.6	59.2	88.8	
52	29.0	23.0	34.4	

Manual Integrations
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8/30/2018 1:38:34 PM



#42

1,2-Dichloroethane

Concen: 19.28 ug/l

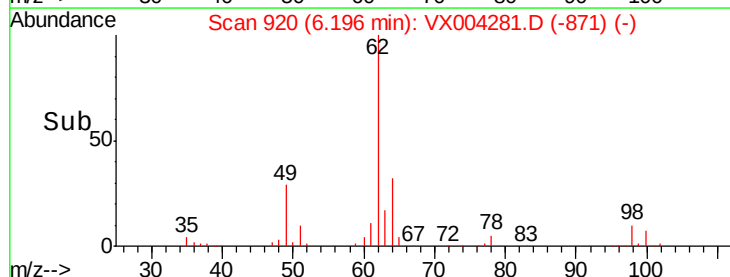
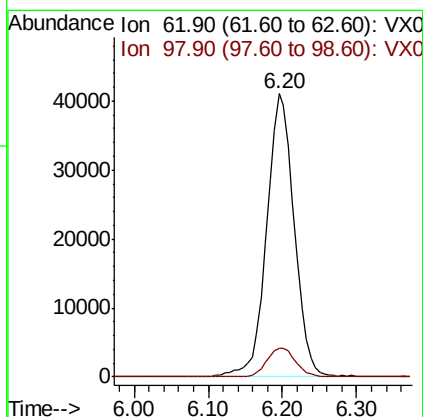
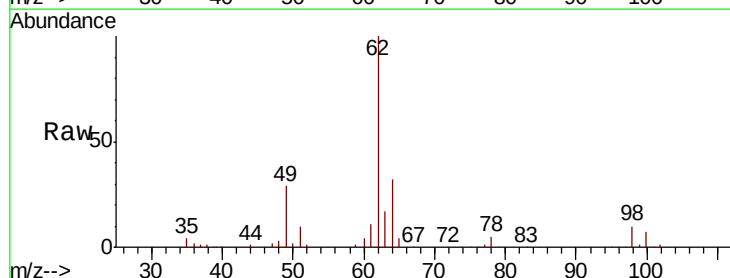
RT: 6.20 min Scan# 920

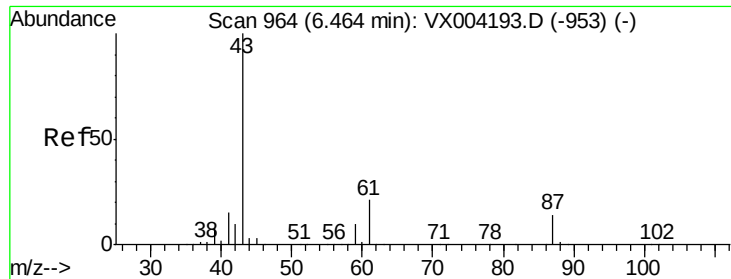
Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.6	





#43

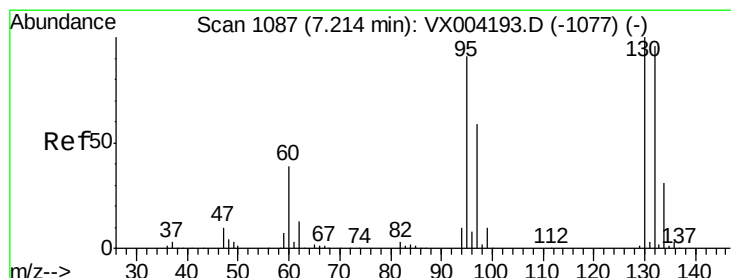
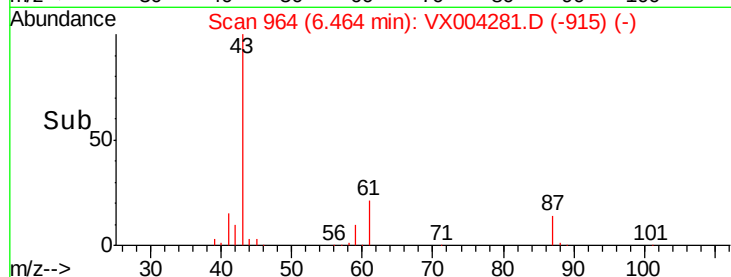
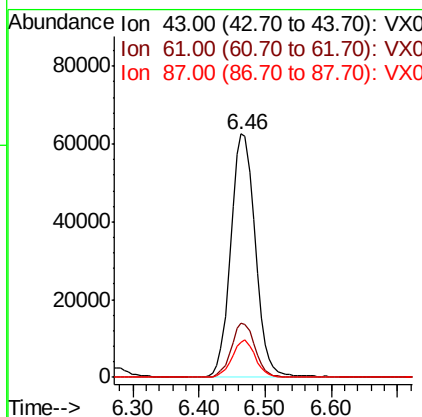
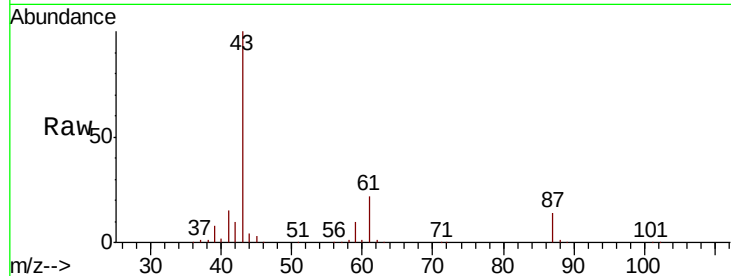
Isopropyl Acetate
 Concen: 19.78 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.0	25.4
87	14.4	11.4	17.2

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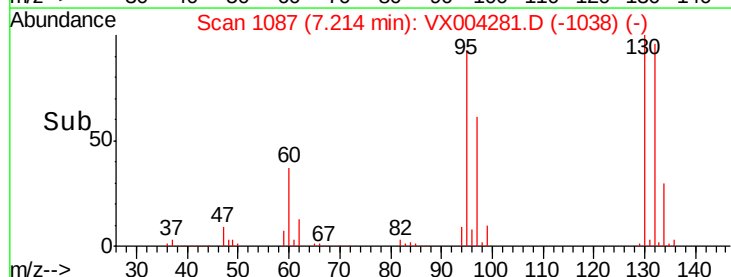
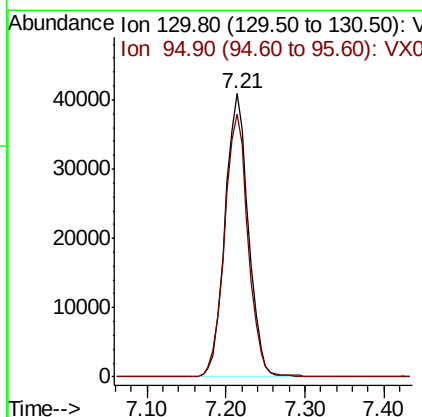
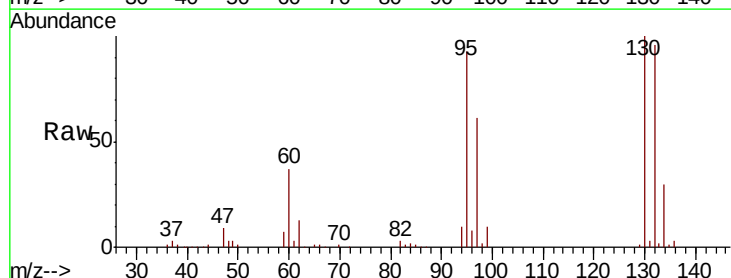
MMDadoda
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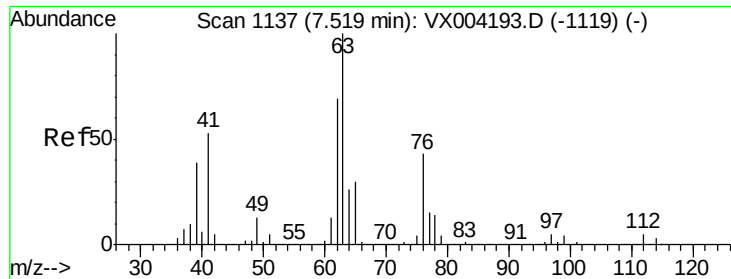


#44

Trichloroethene
 Concen: 18.91 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	181.6





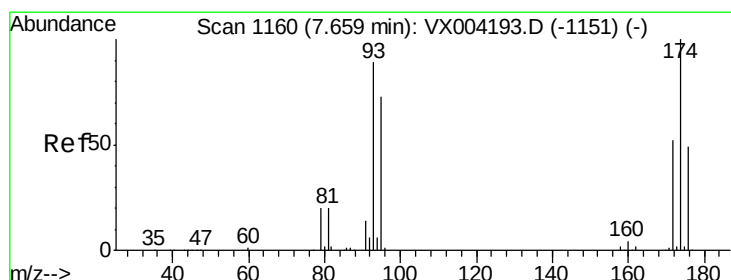
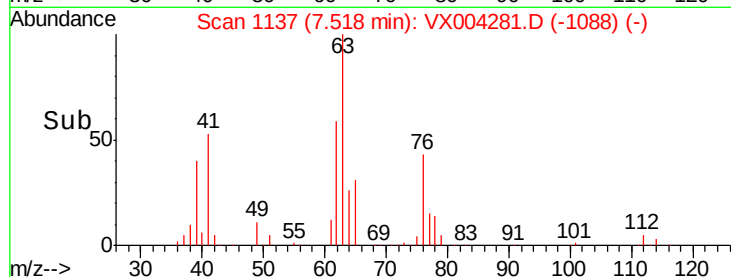
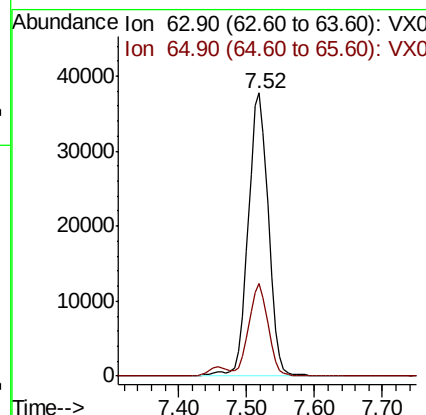
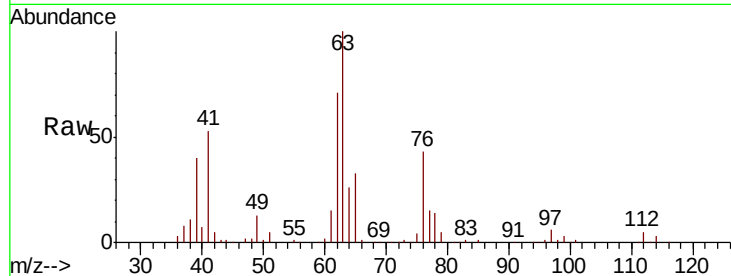
#45
 1,2-Dichloropropane
 Concen: 19.33 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.3	36.5

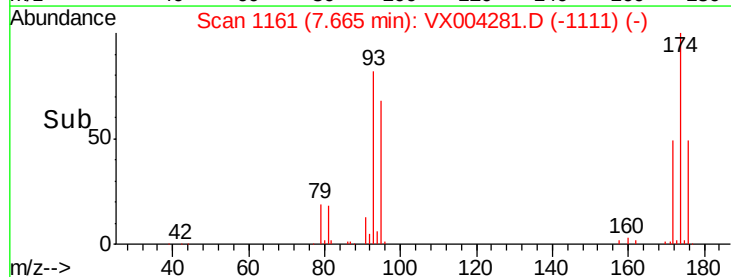
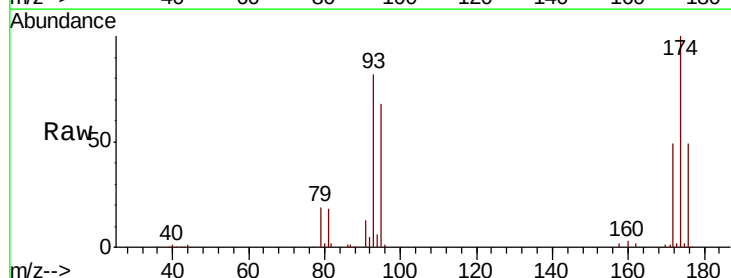
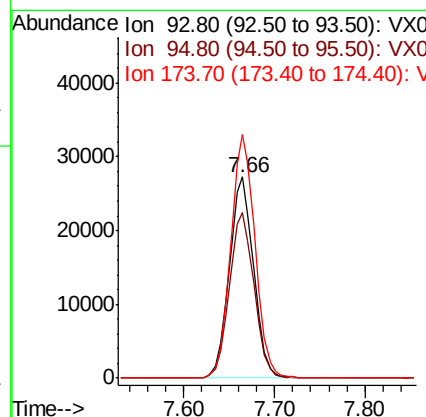
Manual Integrations
 APPROVED

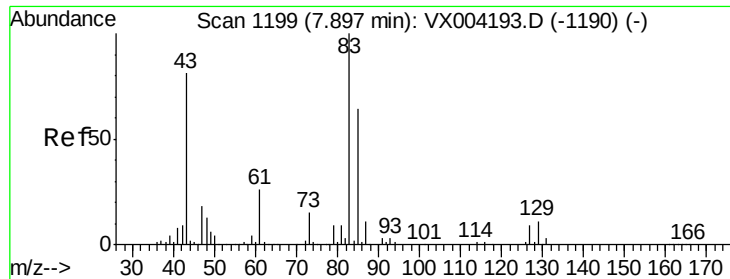
MMDadoda
 8/30/2018 1:38:34 PM



#46
 Dibromomethane
 Concen: 19.13 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.5	98.3
174	120.9	94.2	141.4





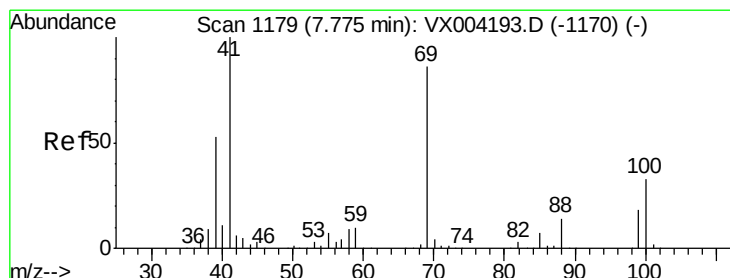
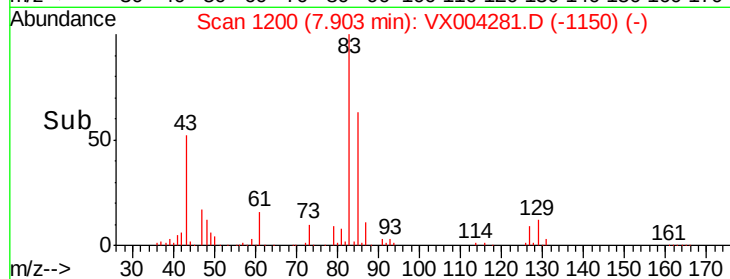
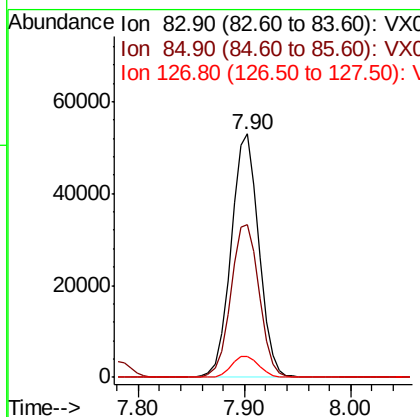
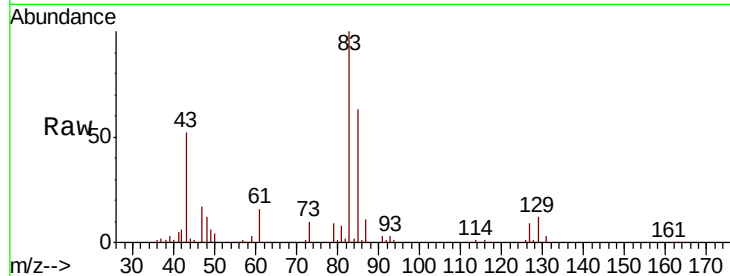
#47
 Bromodichloromethane
 Concen: 19.34 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	83	Resp	96471
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	50.9	76.3
127	8.7	7.3	10.9

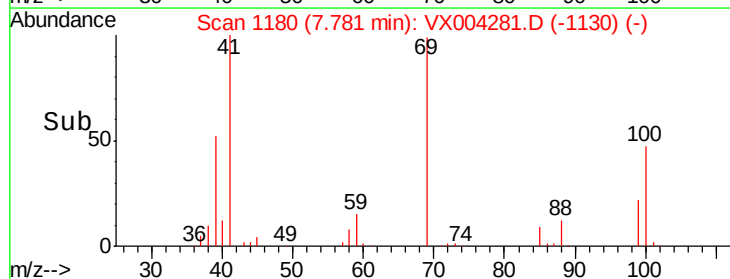
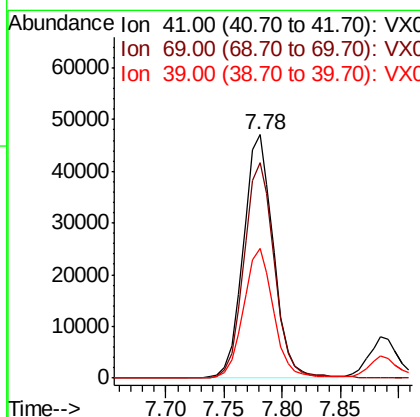
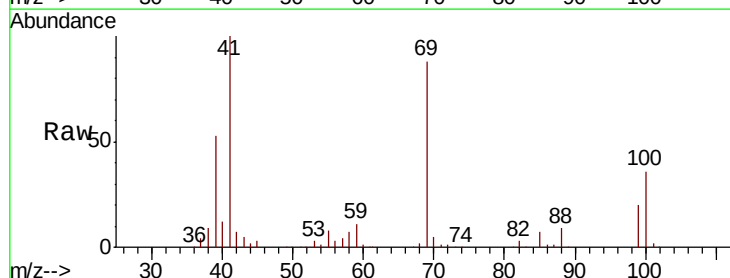
Manual Integrations
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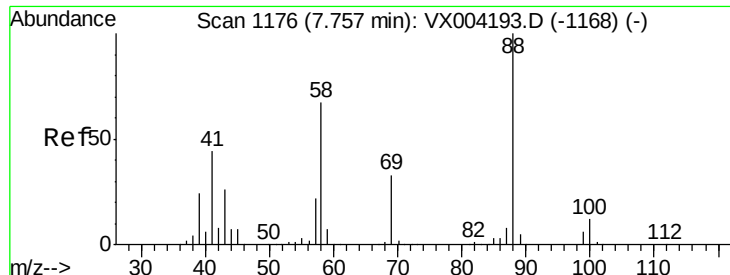
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 8/30/2018 1:38:34 PM



#48
 Methyl methacrylate
 Concen: 19.37 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	41	Resp	84342
Ion Ratio	100	Lower	Upper
41	100		
69	90.1	70.2	105.4
39	53.7	42.7	64.1





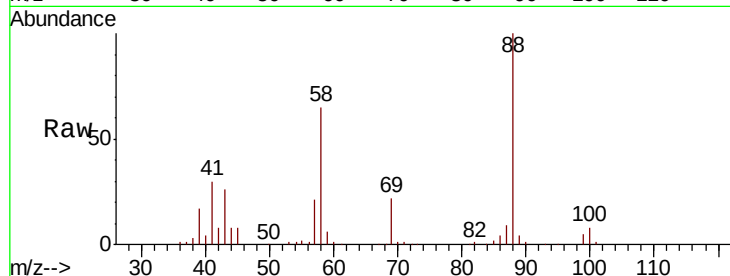
#49
1,4-Dioxane
Concen: 405.68 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	24.7	37.1
58	69.8	55.3	82.9

Manual Integrations
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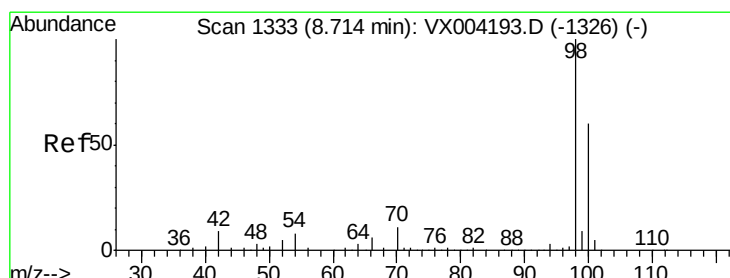
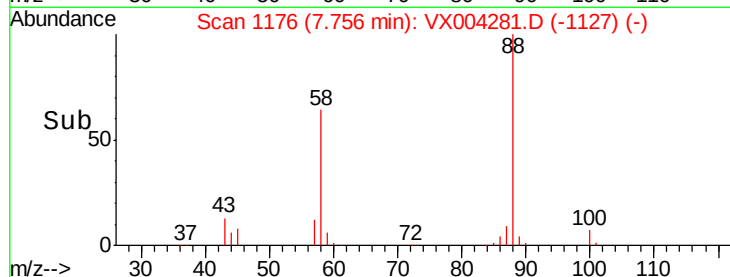
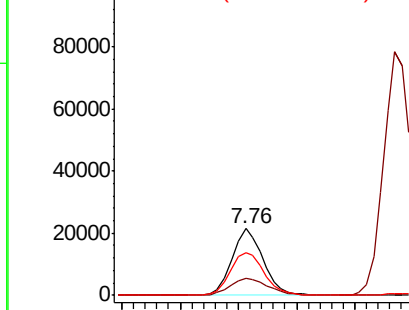


Abundance

Ion 88.00 (87.70 to 88.70): VX0

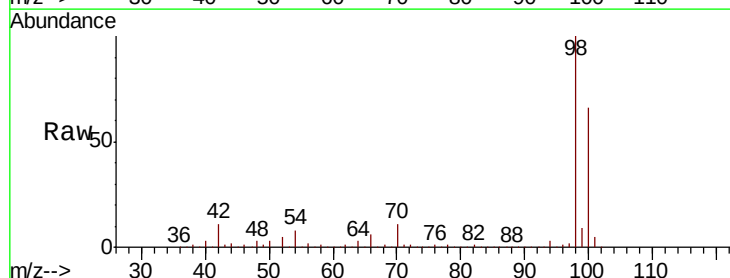
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.30 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

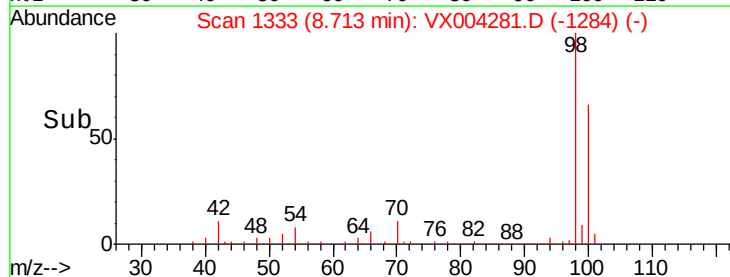
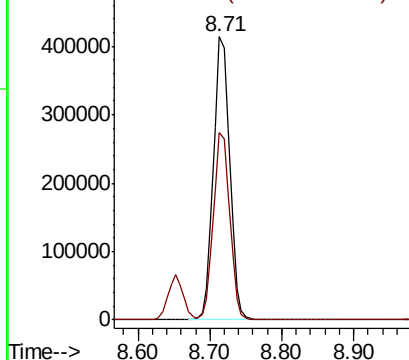
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3

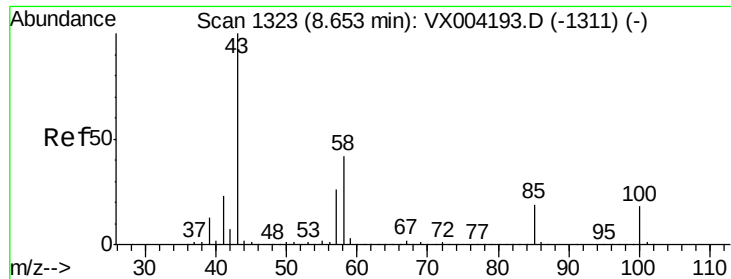


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 94.15 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion: 43 Resp: 556612

Ion Ratio Lower Upper

43 100

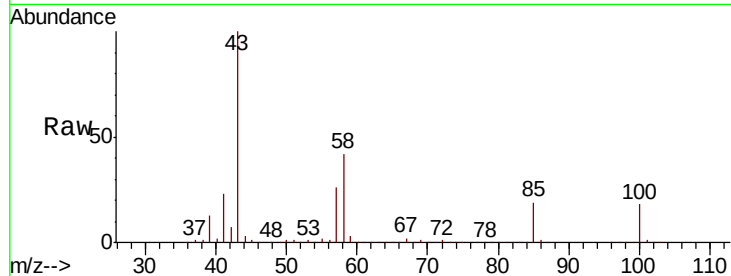
58 41.8 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

400000

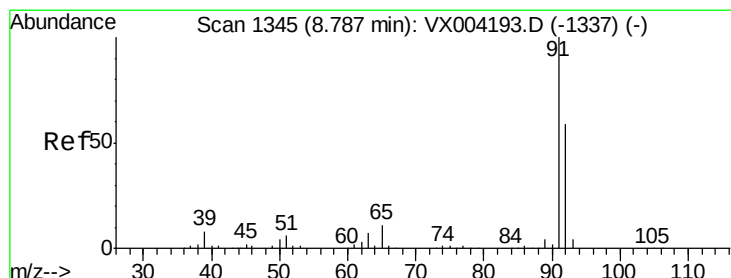
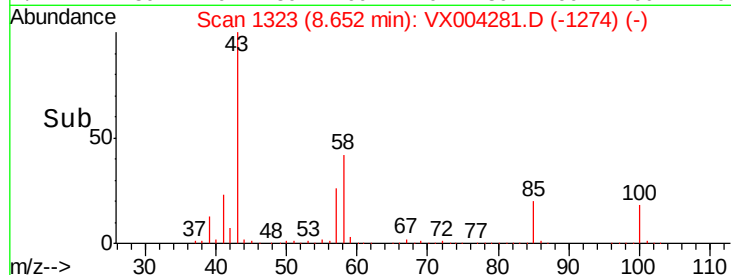
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 19.82 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004281.D

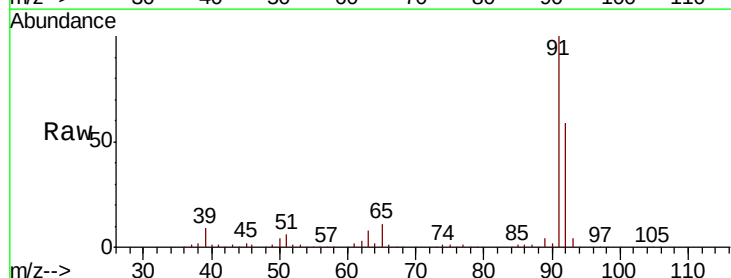
Acq: 29 Aug 2018 10:03

Tgt Ion: 92 Resp: 199640

Ion Ratio Lower Upper

92 100

91 168.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

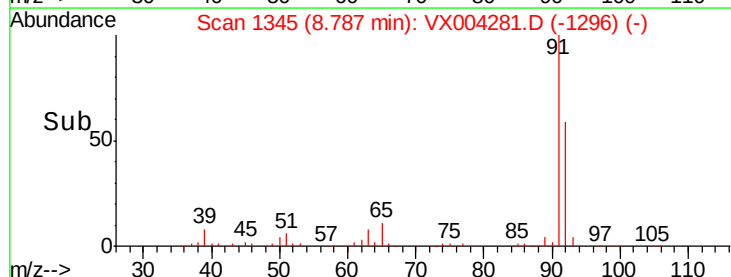
150000

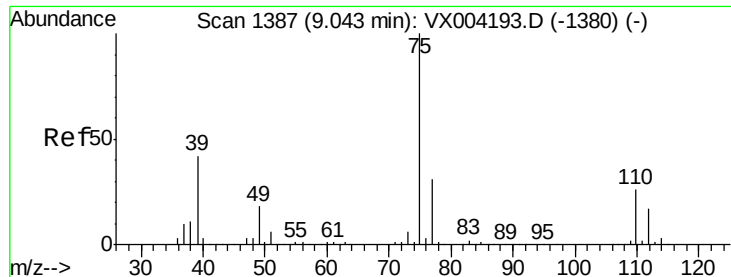
100000

50000

0

Time--> 8.70 8.80 8.90





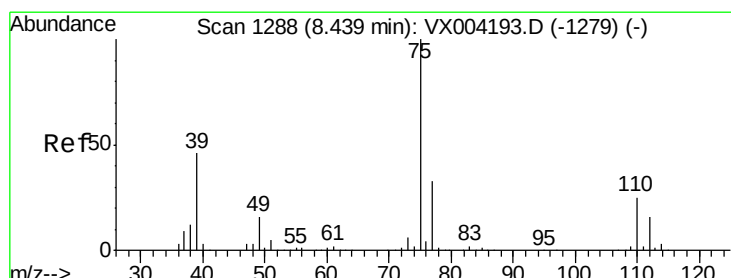
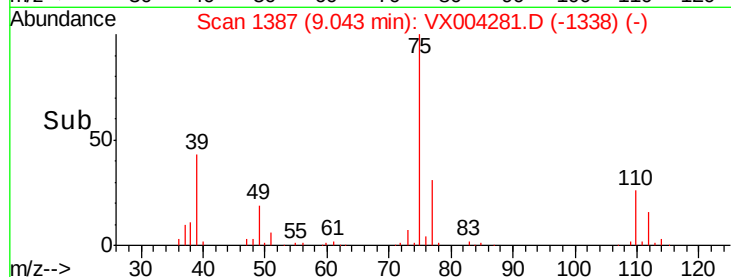
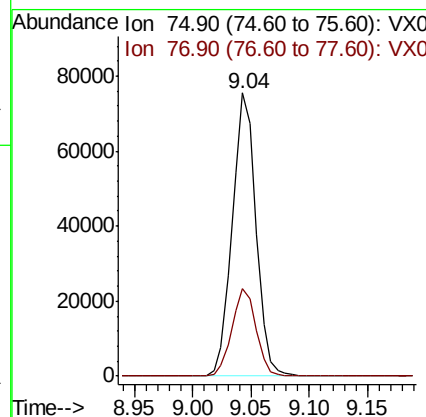
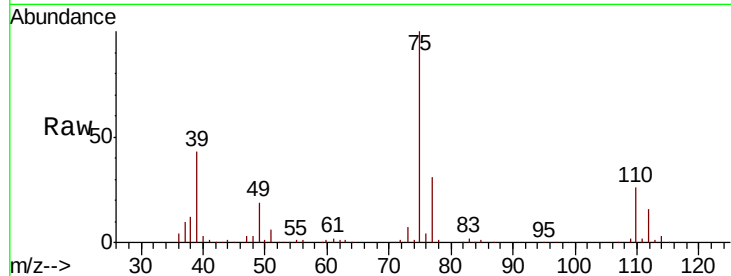
#53
 t-1,3-Dichloropropene
 Concen: 19.42 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0

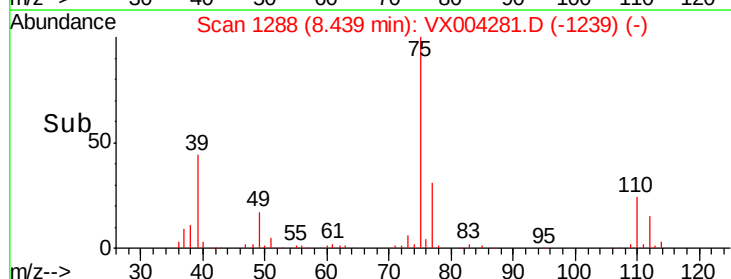
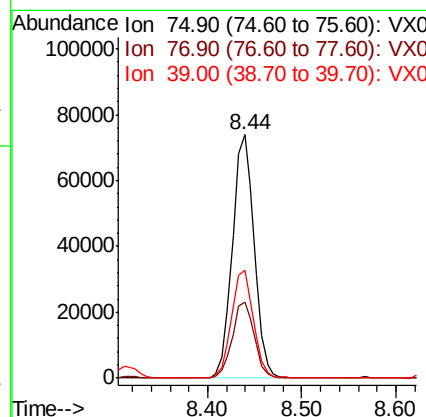
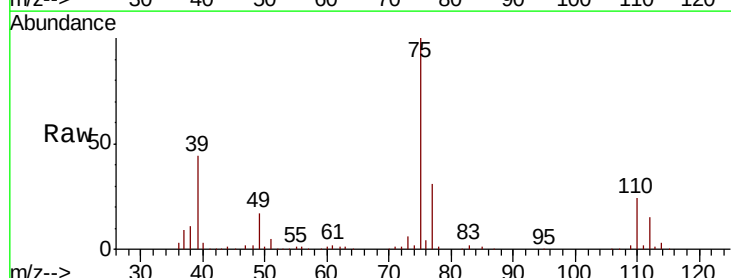
Manual Integrations
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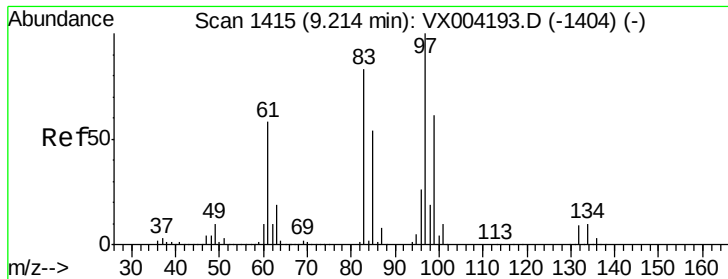
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#54
 cis-1,3-Dichloropropene
 Concen: 19.73 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.2
39	44.1	36.4	54.6





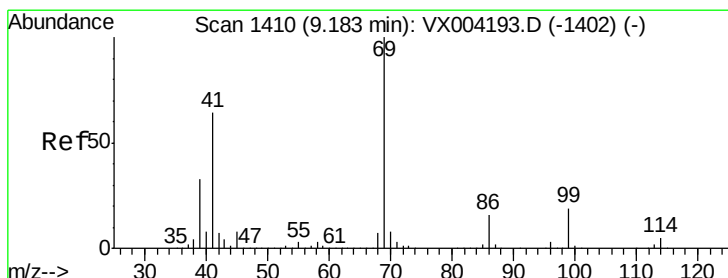
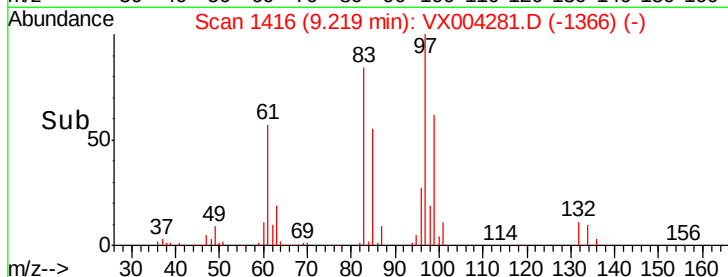
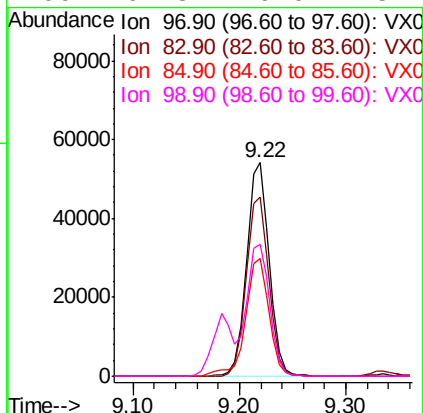
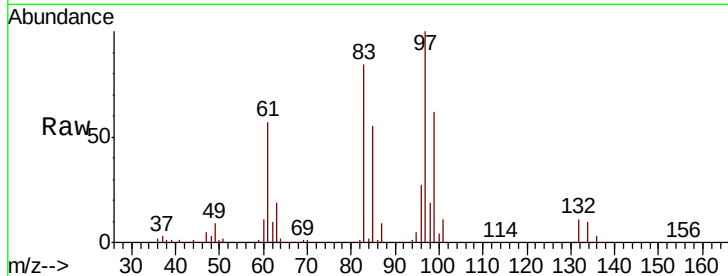
#55
 1,1,2-Trichloroethane
 Concen: 19.81 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80546		
83	83.6	66.4	99.6		
85	55.0	43.3	64.9		
99	61.8	49.0	73.4		

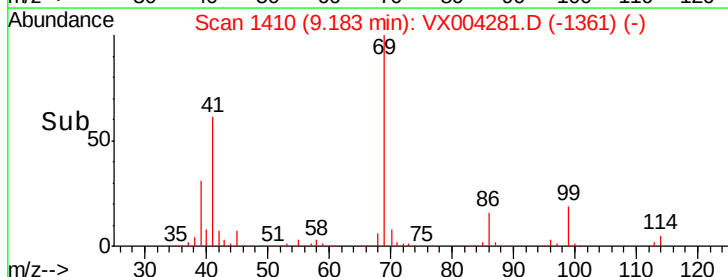
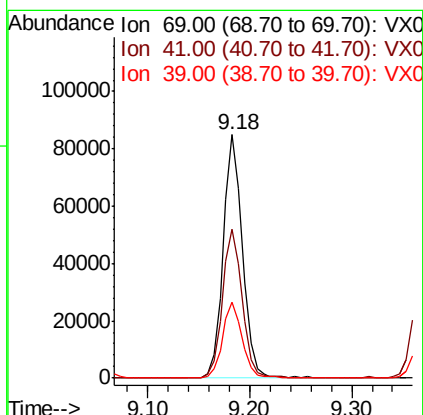
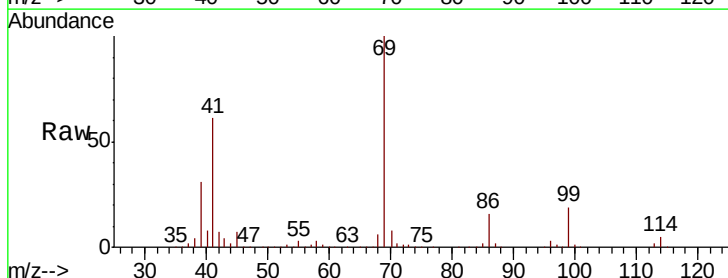
Manual Integrations
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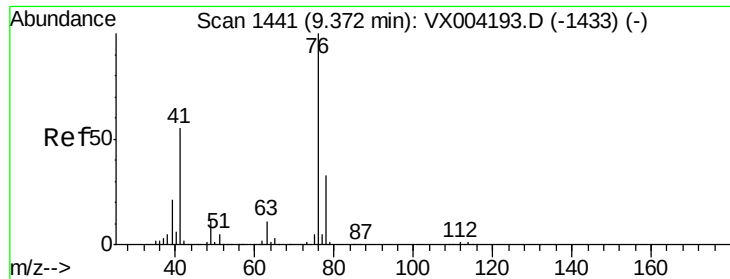
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#56
 Ethyl methacrylate
 Concen: 20.20 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		111802		
41	62.5	51.0	76.4		
39	31.9	26.1	39.1		





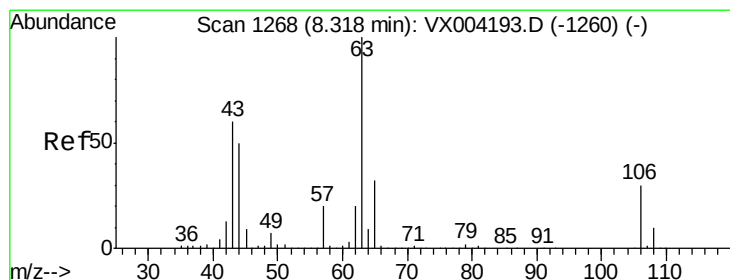
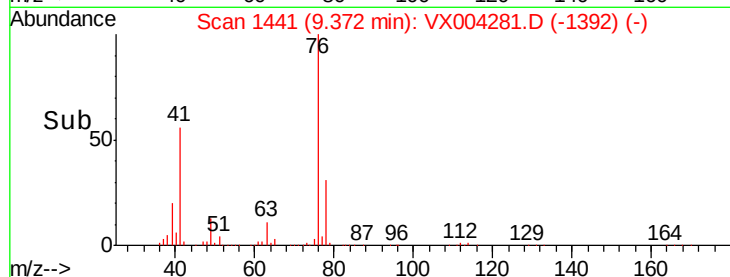
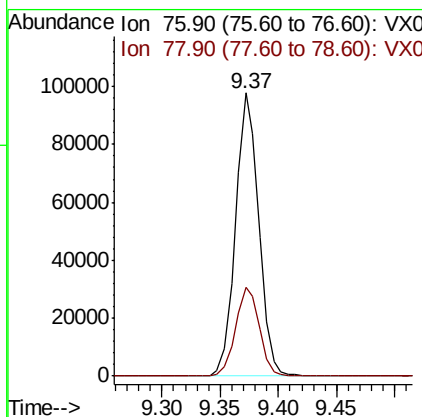
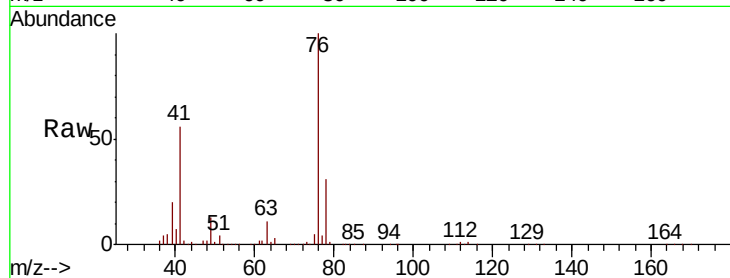
#57
 1,3-Dichloropropane
 Concen: 19.80 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

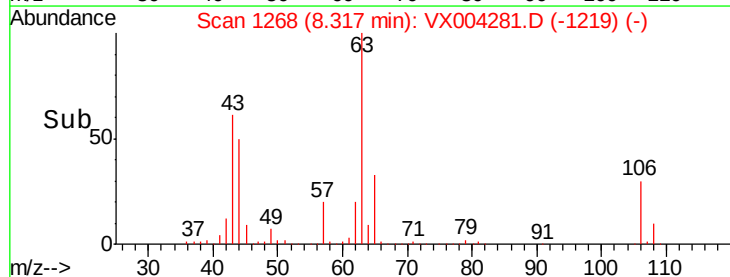
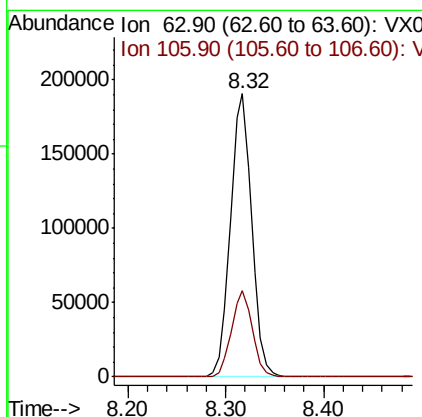
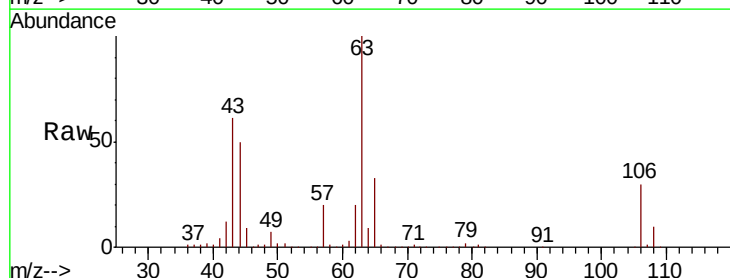
Manual Integrations
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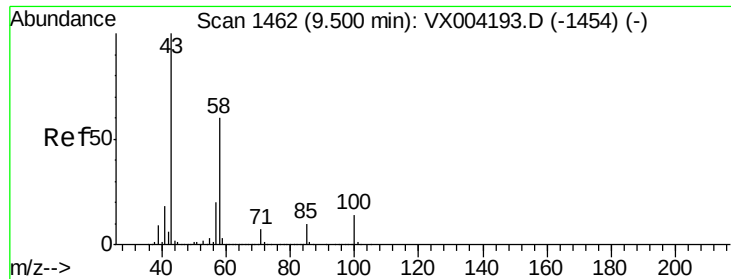
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 8/30/2018 1:38:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.36 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.9	35.9





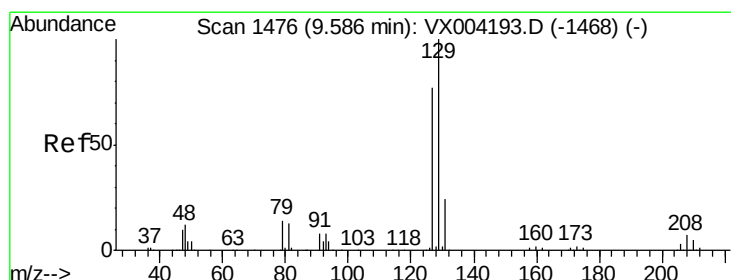
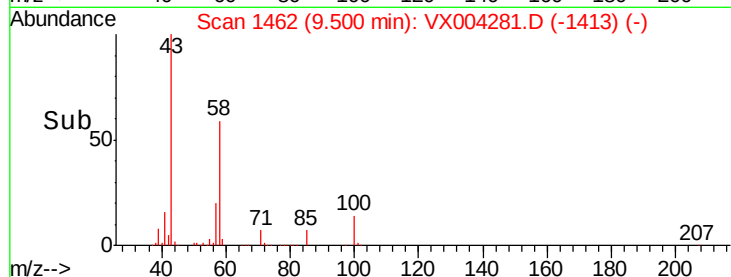
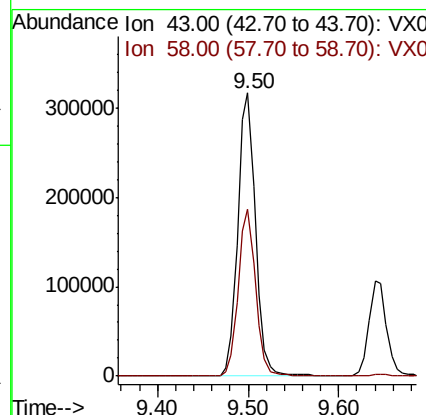
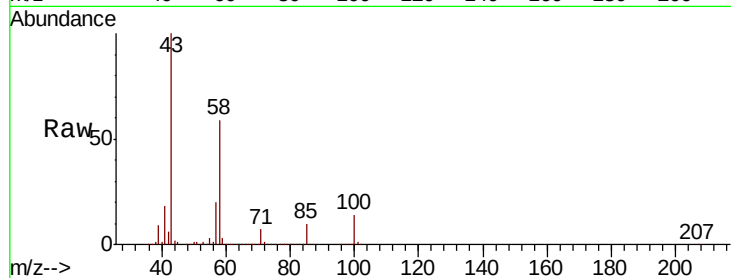
#59
2-Hexanone
Concen: 95.05 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampled :
VX0829WBSD01

Tot Ion: 43 Resp: 428721
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

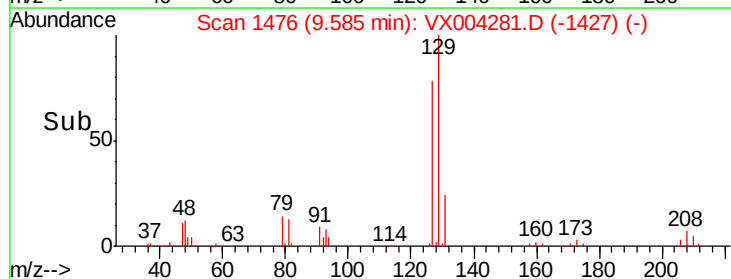
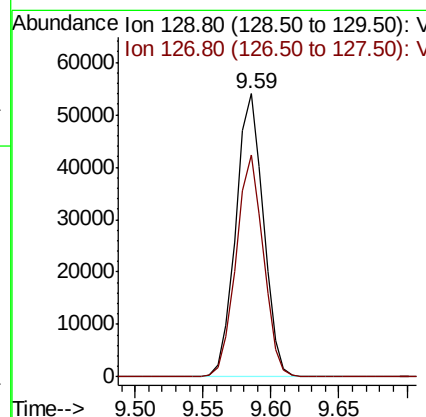
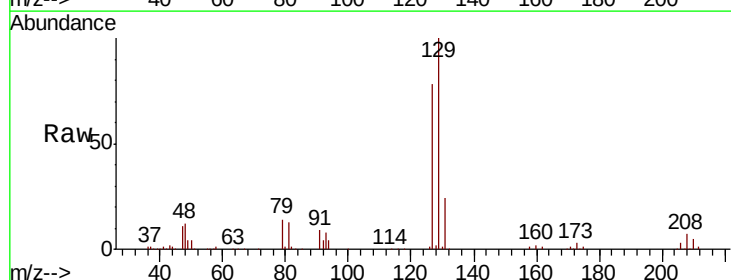
Manual Integrations
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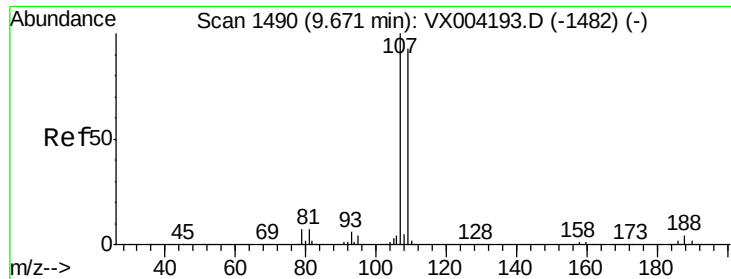
MMDadoda
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#60
Dibromochloromethane
Concen: 19.26 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion: 129 Resp: 76277
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.57 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion:107 Resp: 82349

Ion Ratio Lower Upper

107 100

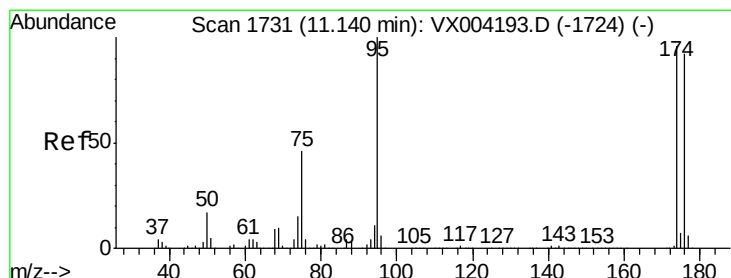
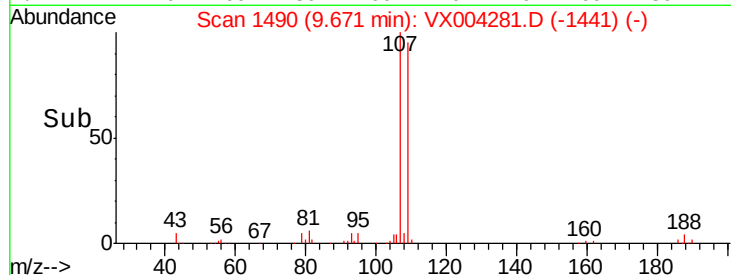
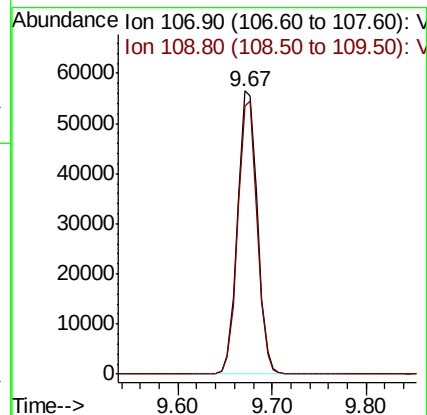
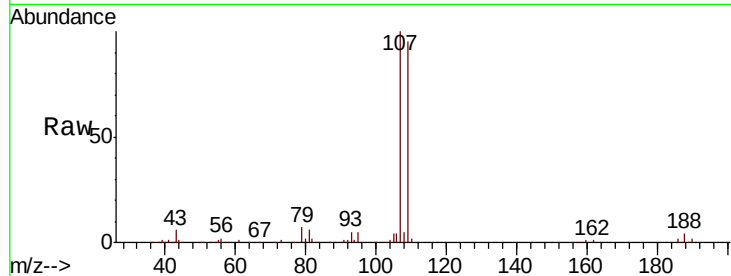
109 94.7 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 48.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

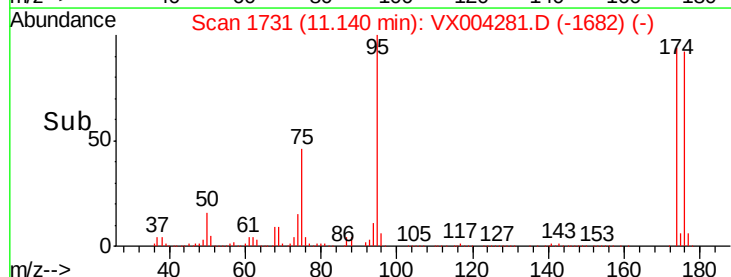
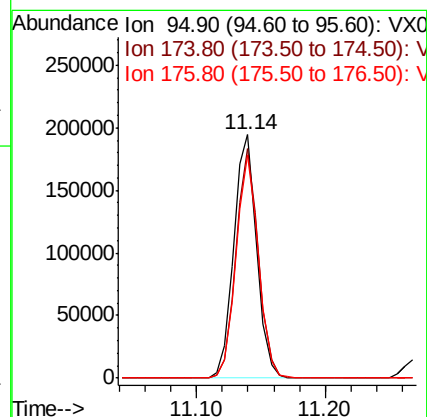
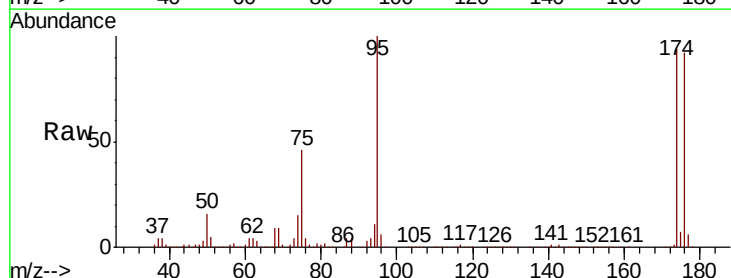
Tgt Ion: 95 Resp: 242867

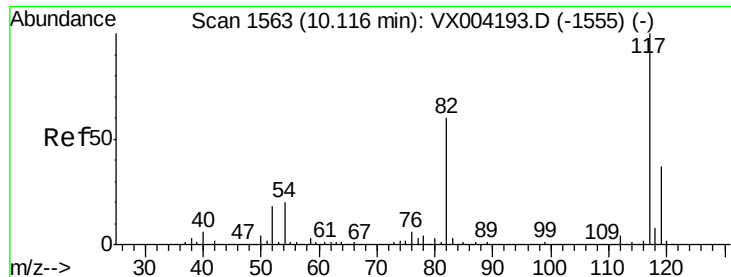
Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.2

176 89.8 0.0 178.6





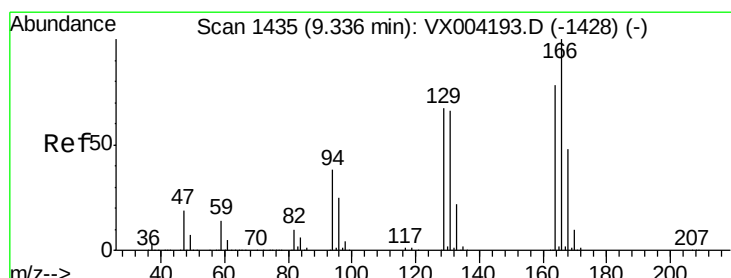
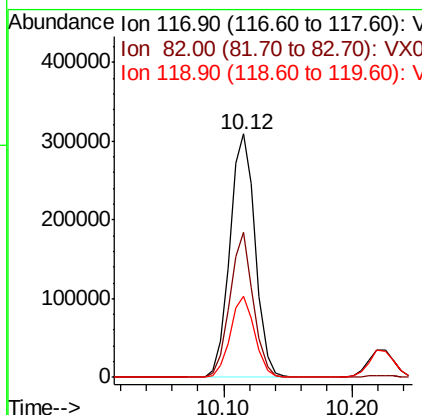
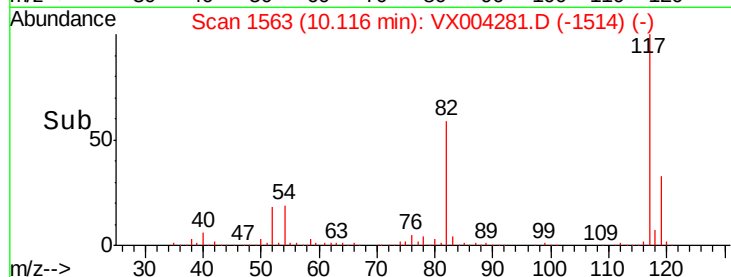
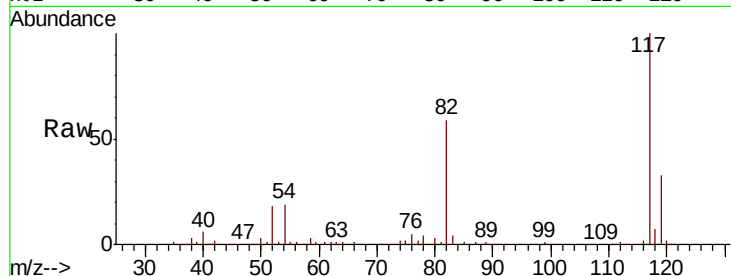
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.8	71.6
119	33.3	29.3	43.9

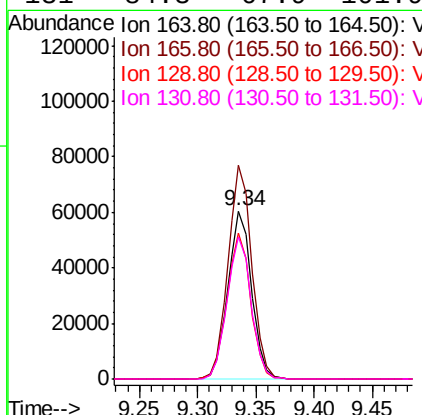
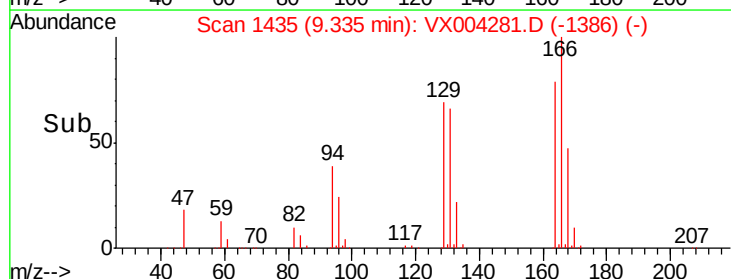
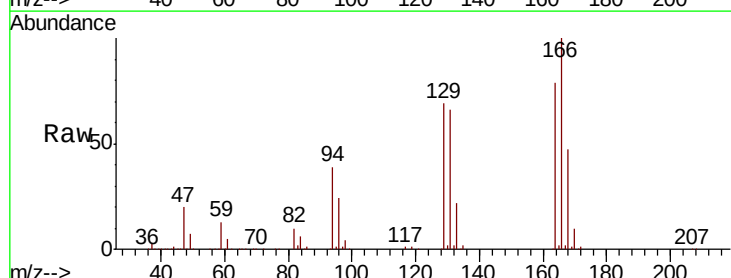
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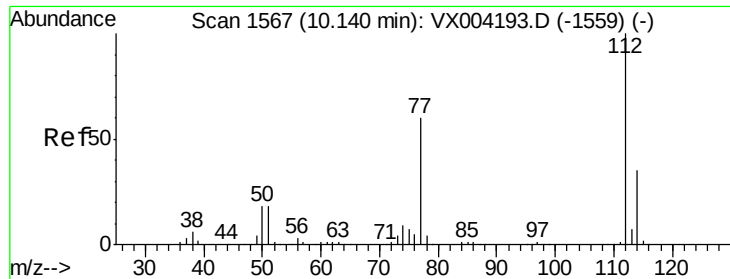
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#64
Tetrachloroethene
Concen: 20.33 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.8	154.2
129	87.1	69.4	104.0
131	84.3	67.9	101.9





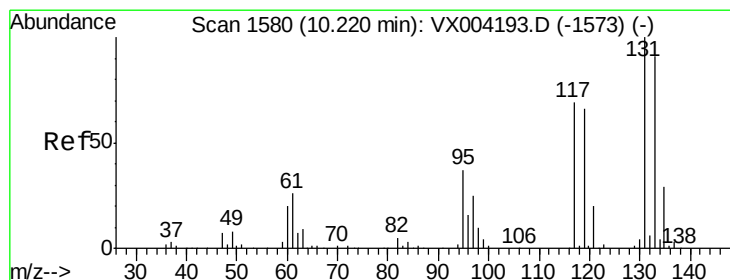
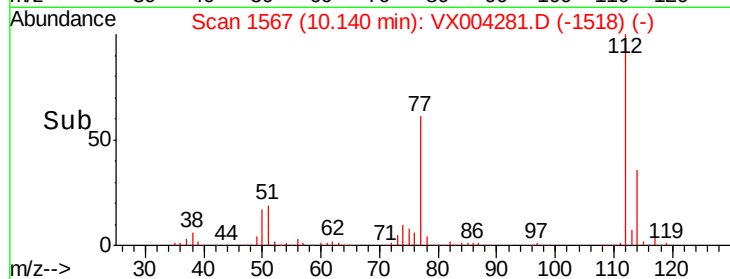
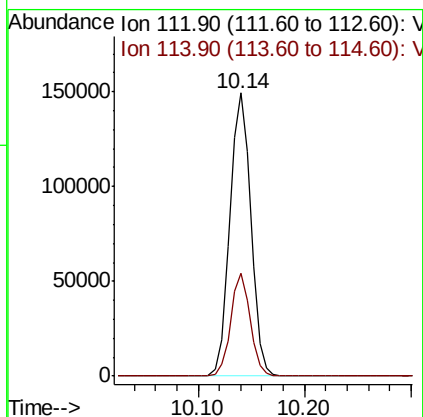
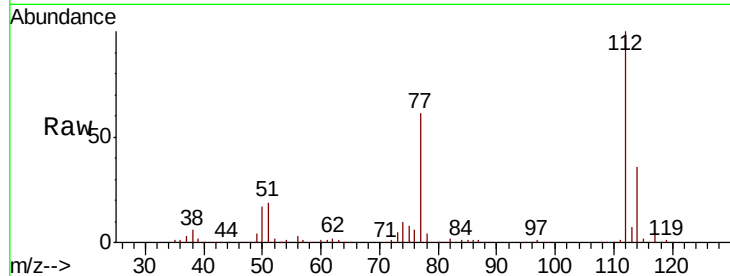
#65
Chlorobenzene
Concen: 19.49 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion:112 Resp: 207829
Ion Ratio Lower Upper
112 100
114 36.4 27.8 41.8

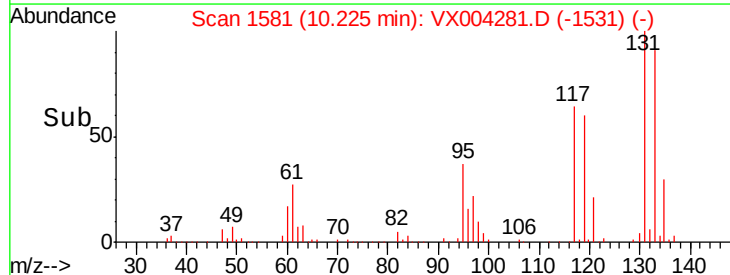
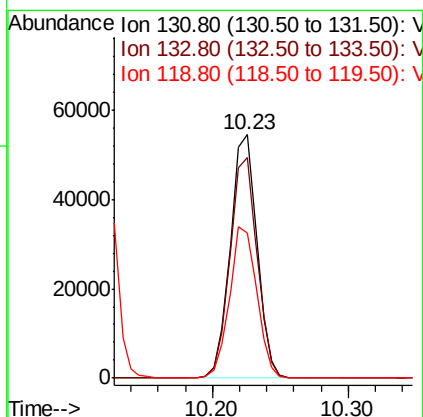
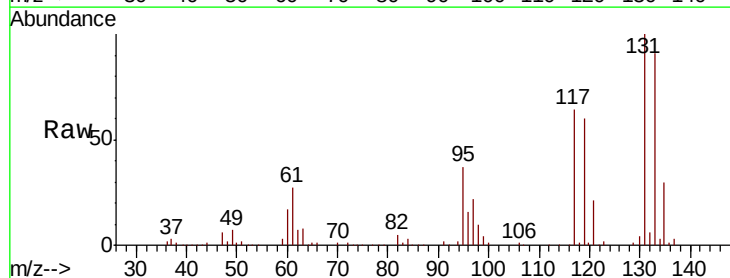
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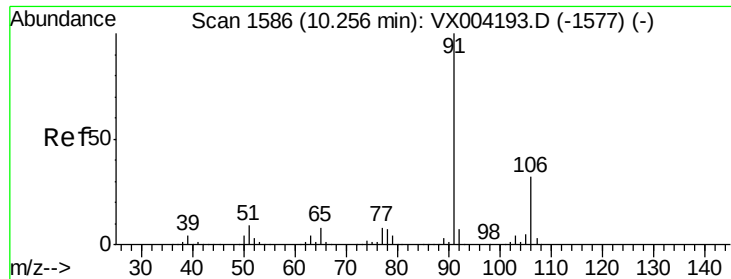
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.25 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion:131 Resp: 74476
Ion Ratio Lower Upper
131 100
133 92.2 48.1 144.4
119 63.8 32.9 98.6





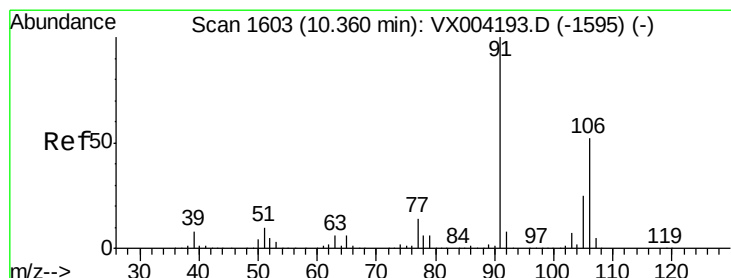
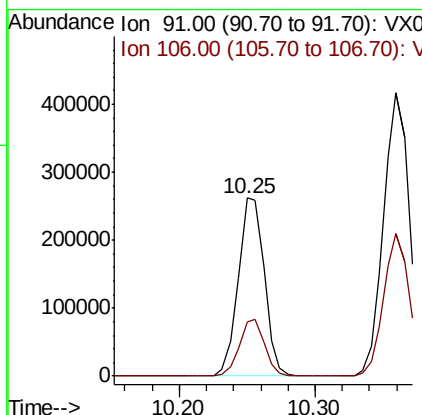
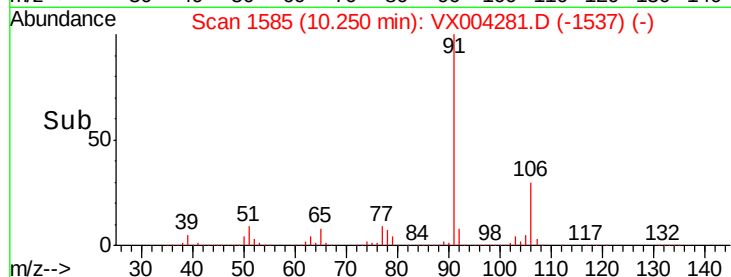
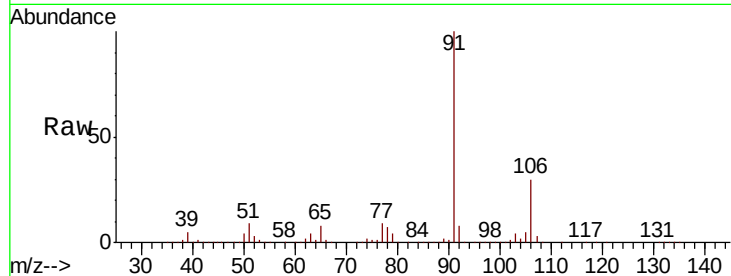
#67
Ethyl Benzene
Concen: 20.25 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion: 91 Resp: 350796
Ion Ratio Lower Upper
91 100
106 30.5 25.9 38.9

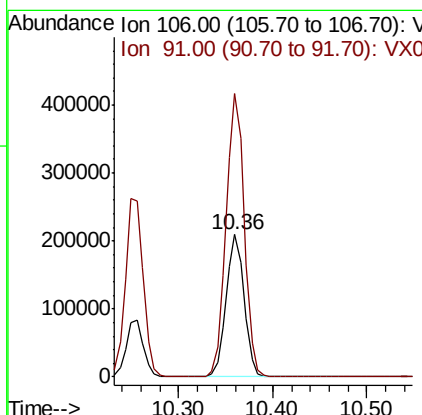
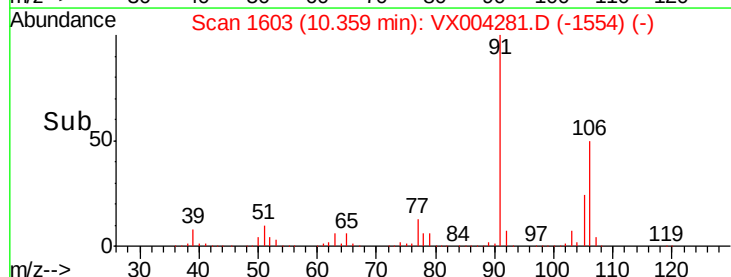
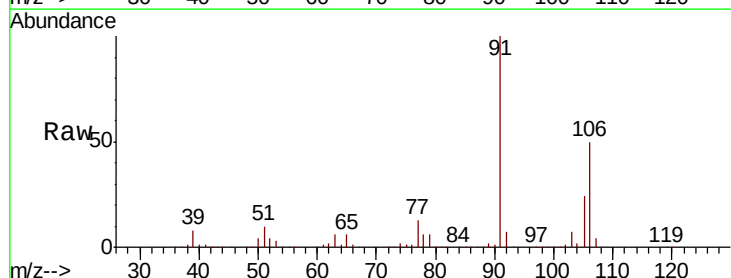
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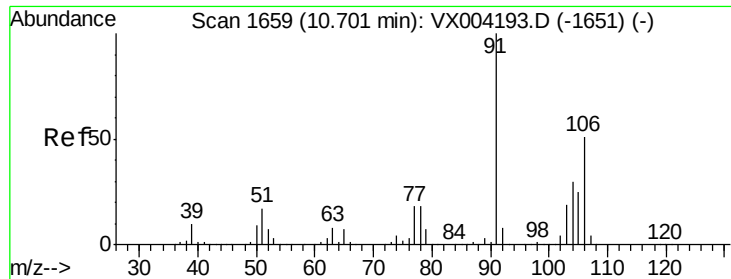
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#68
m/p-Xylenes
Concen: 40.98 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion: 106 Resp: 277493
Ion Ratio Lower Upper
106 100
91 200.7 157.1 235.7





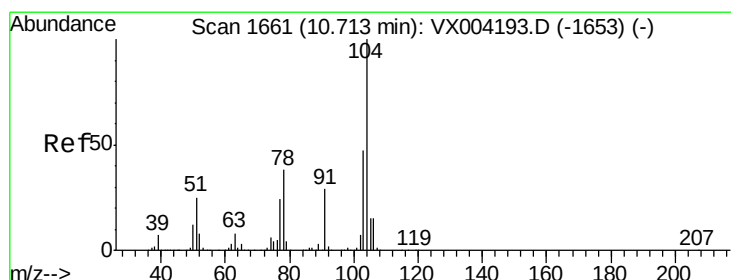
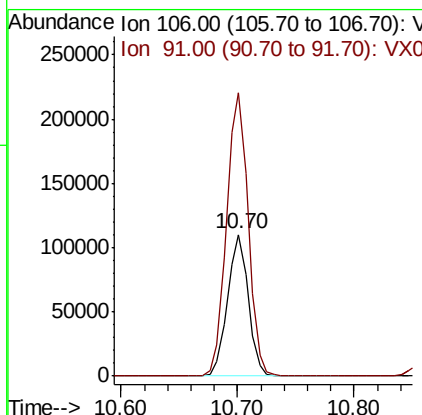
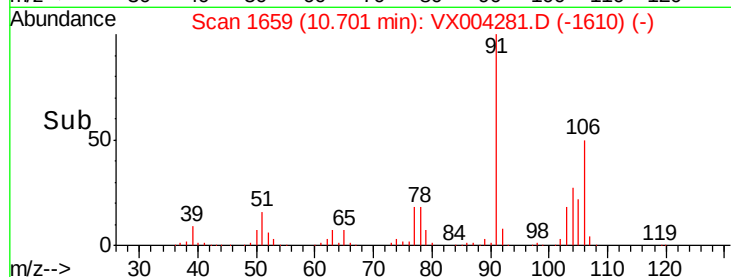
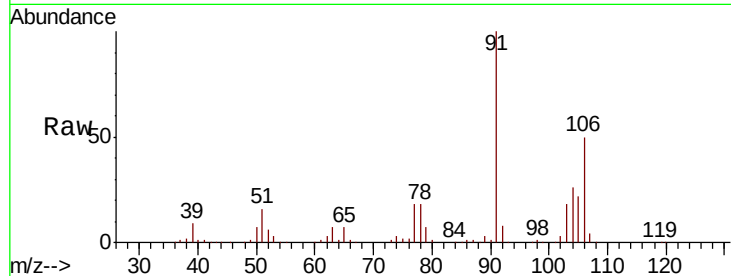
#69
o-Xylene
Concen: 21.31 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.4	105.1	315.1

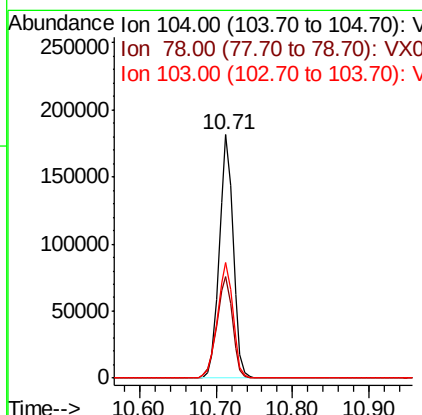
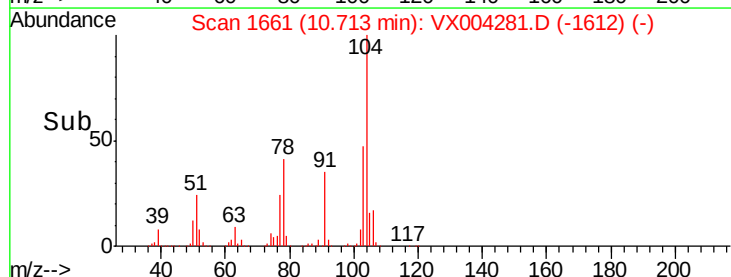
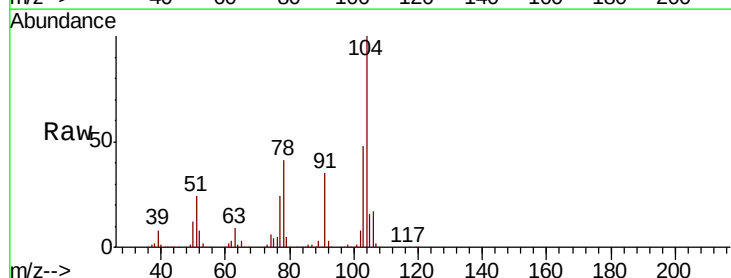
Manual Integrations
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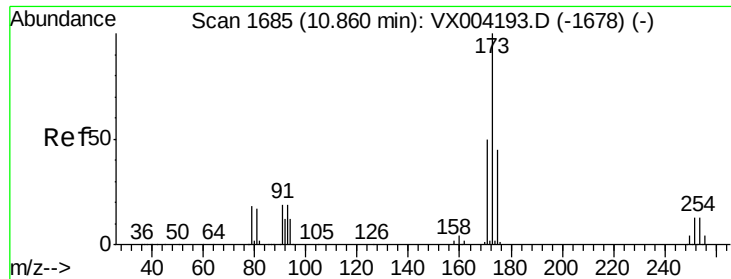
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#70
Styrene
Concen: 22.05 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.4	56.0
103	53.3	43.8	65.6





#71

Bromoform

Concen: 19.59 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

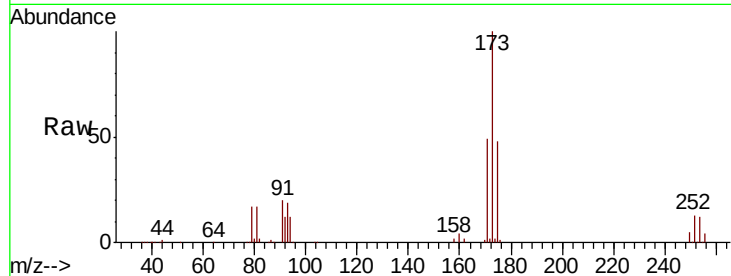
ClientSampleId :

VX0829WBSD01

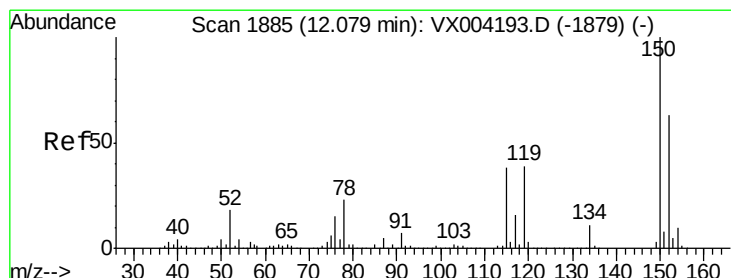
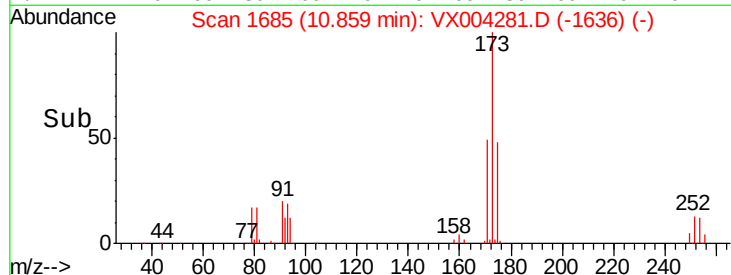
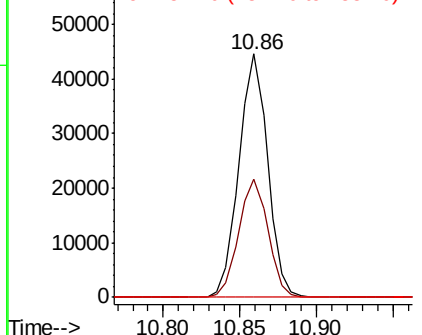
Tot Ion:	173	Resp:	58073
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

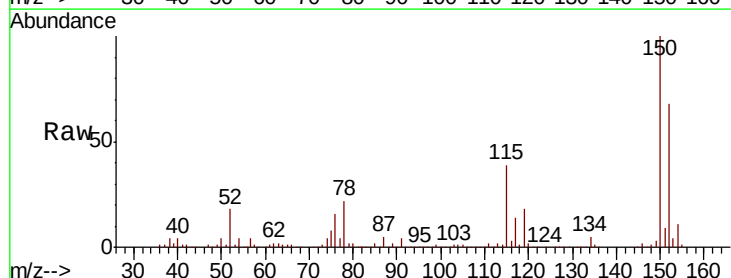
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

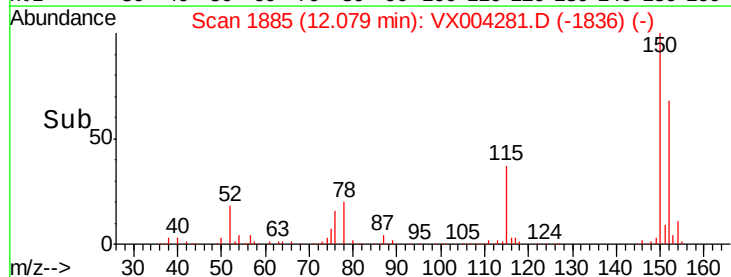
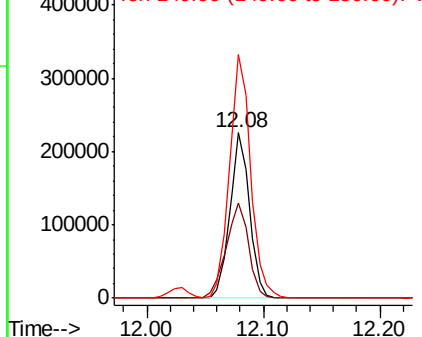
Lab File: VX004281.D

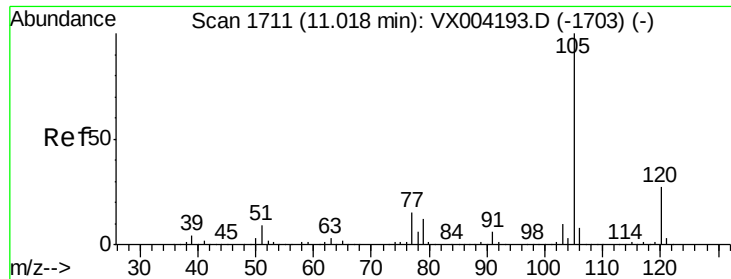
Acq: 29 Aug 2018 10:03

Tgt Ion:	152	Resp:	262438
Ion Ratio	Lower	Upper	
152	100		
115	65.8	39.0	117.0
150	159.5	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.70 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampled :

VX0829WBSD01

Tot Ion:105 Resp: 374097

Ion Ratio Lower Upper

105 100

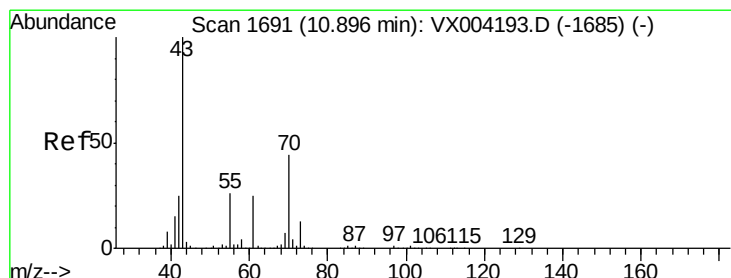
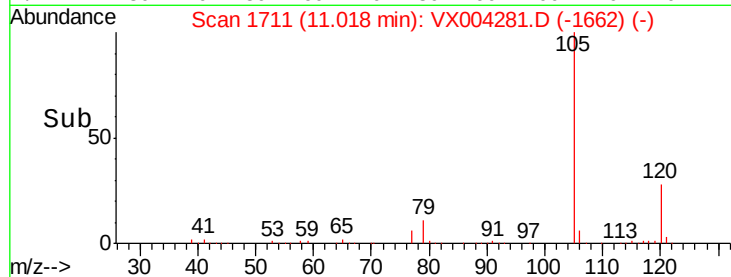
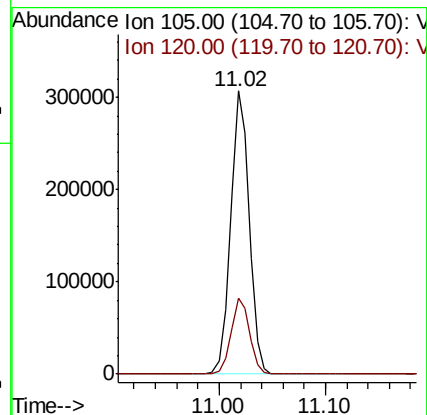
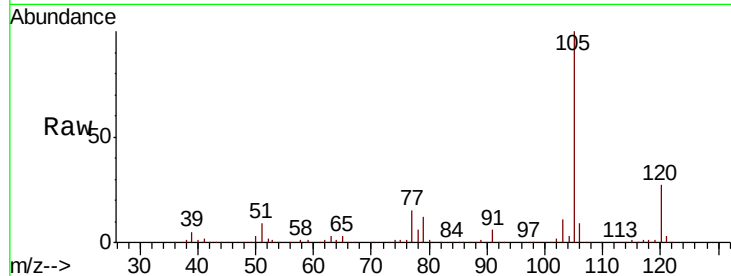
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.03 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion: 43 Resp: 132937

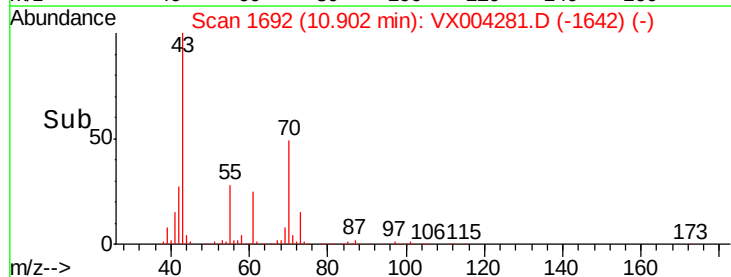
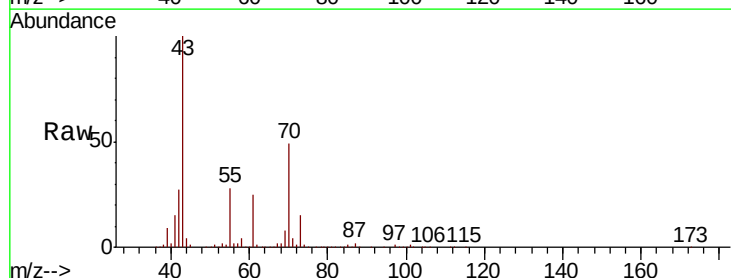
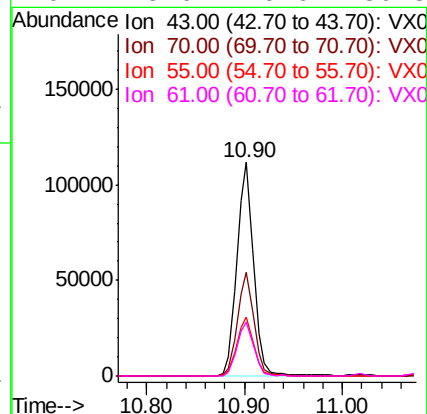
Ion Ratio Lower Upper

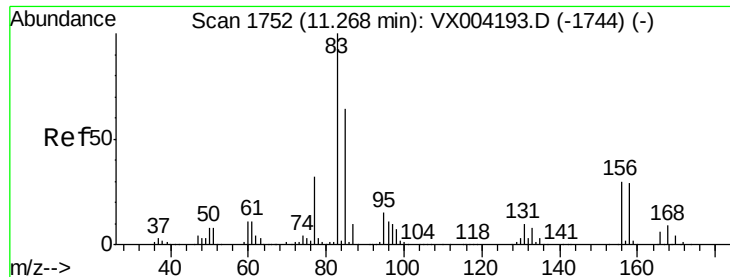
43 100

70 48.3 37.4 56.0

55 28.2 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.57 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

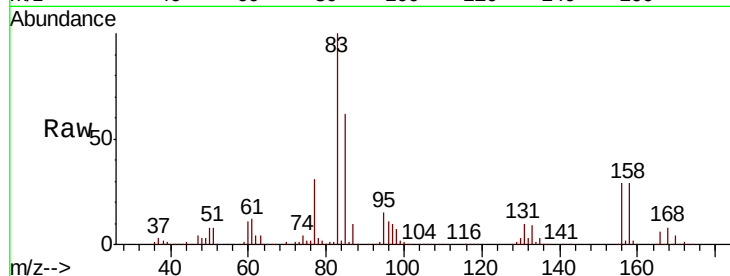
ClientSampleID :

VX0829WBSD01

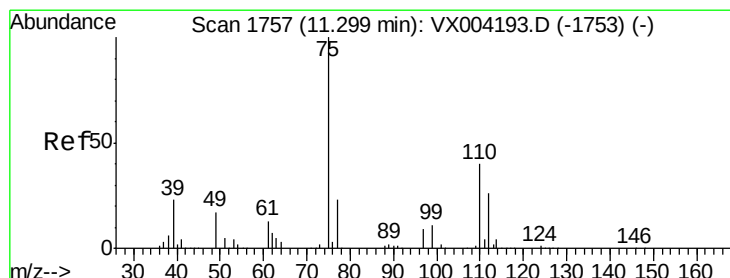
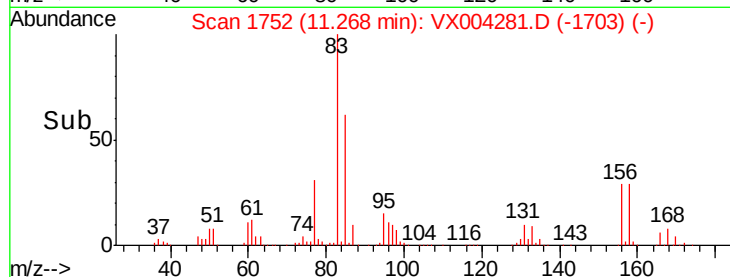
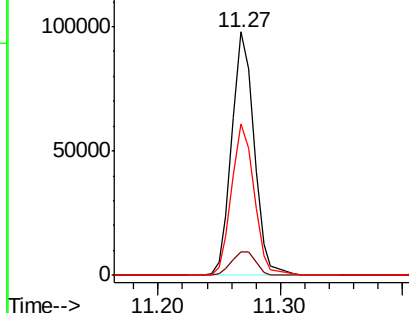
Tot Ion:	83	Resp:	124102
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	62.9	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.69 ug/l m

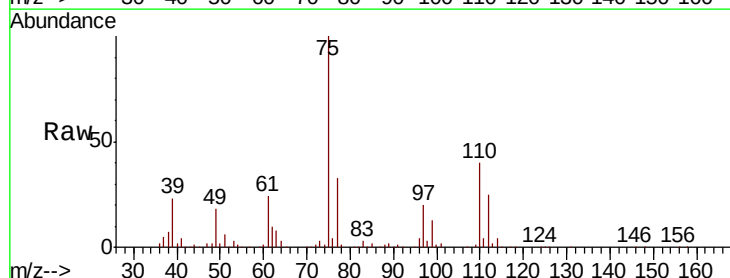
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

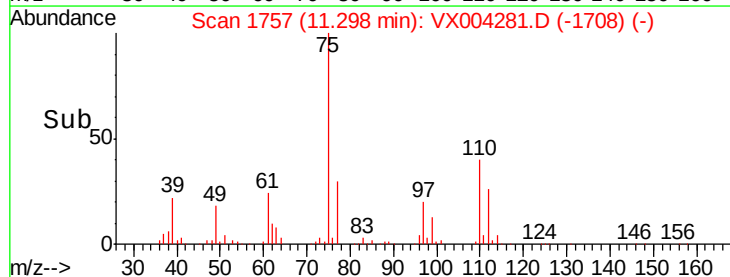
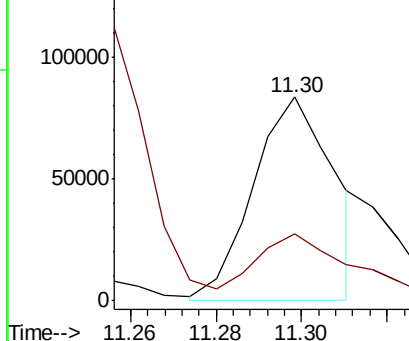
Lab File: VX004281.D

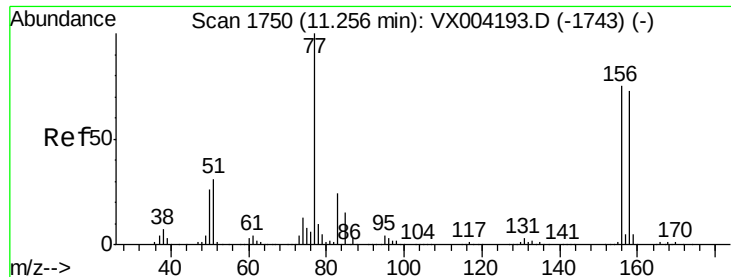
Acq: 29 Aug 2018 10:03

Tgt Ion:	75	Resp:	110458
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.80 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

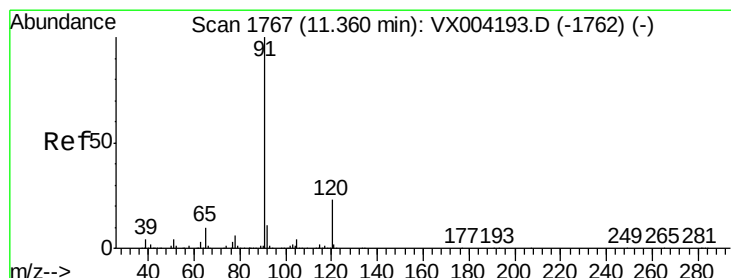
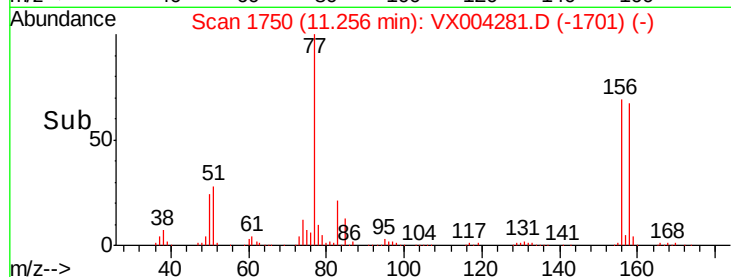
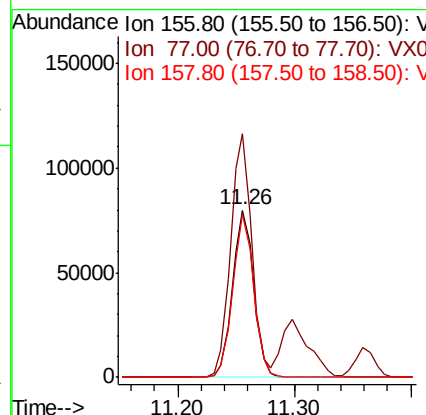
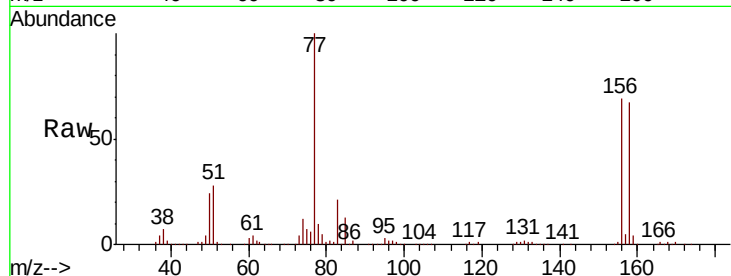
ClientSampleId :

VX0829WBSD01

Tot Ion:	156	Resp:	100569
Ion Ratio	Lower	Upper	
156	100		
77	145.5	71.5	214.3
158	96.6	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.32 ug/l

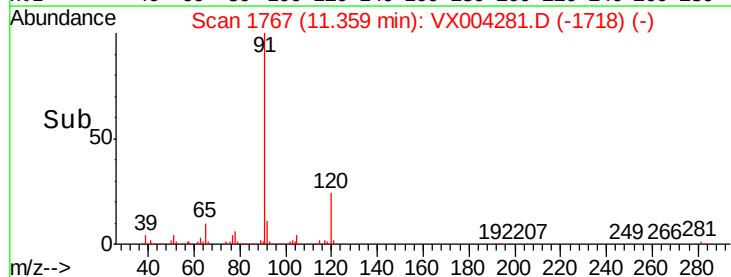
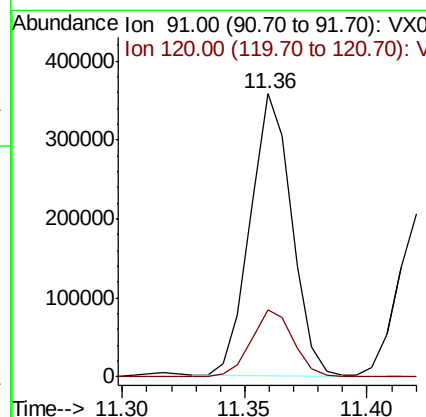
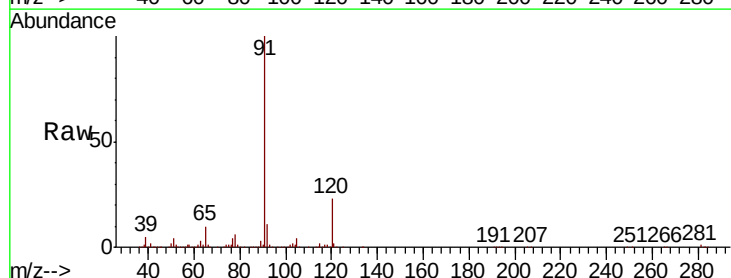
RT: 11.36 min Scan# 1767

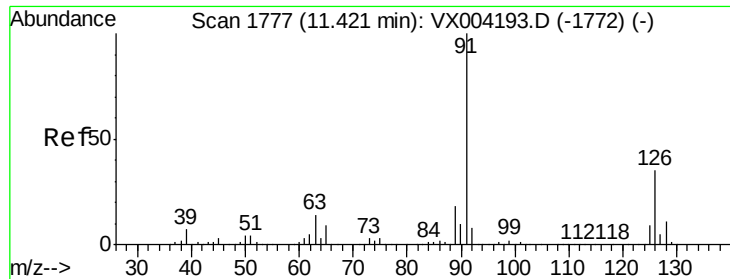
Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion:	91	Resp:	422561
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.9





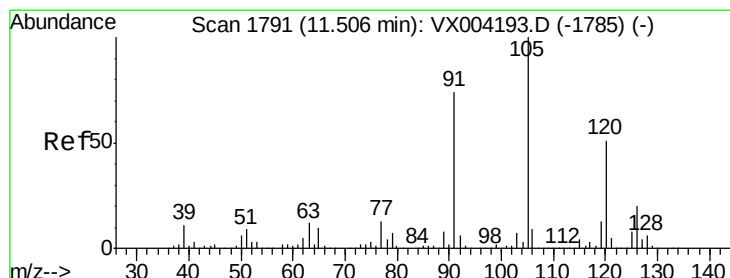
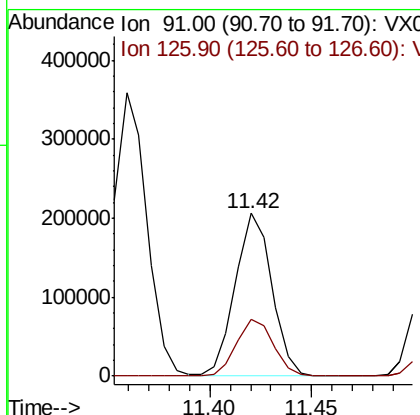
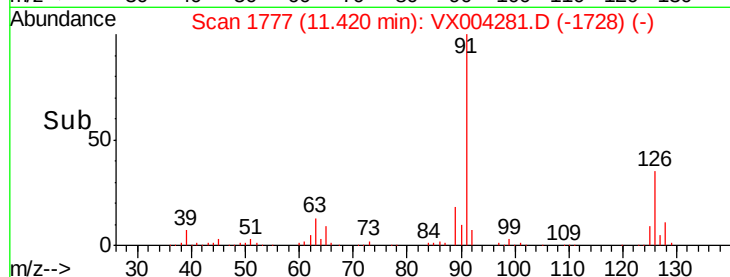
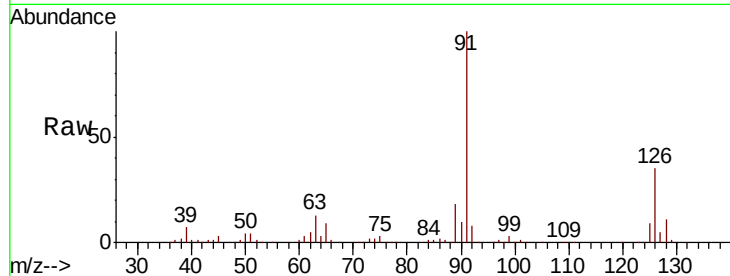
#79
 2-Chlorotoluene
 Concen: 20.99 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion: 91 Resp: 256100
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7

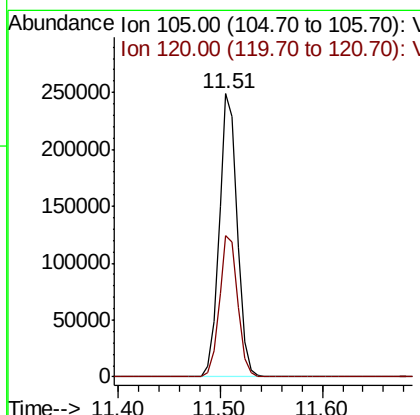
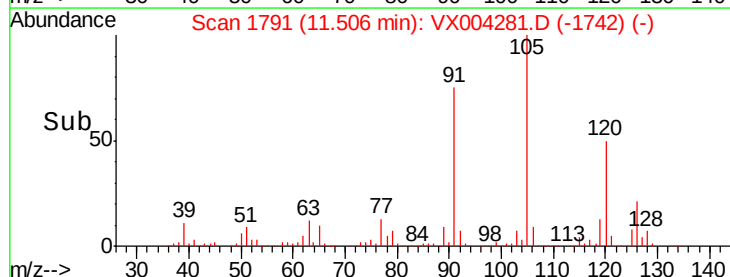
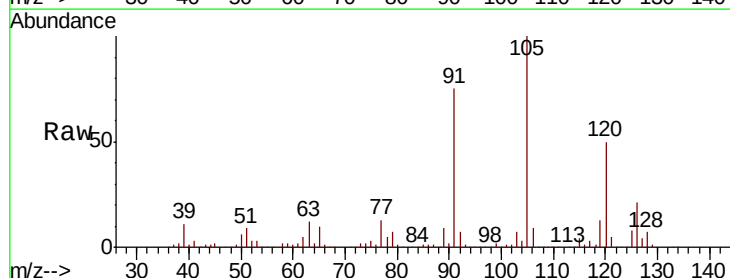
Manual Integrations
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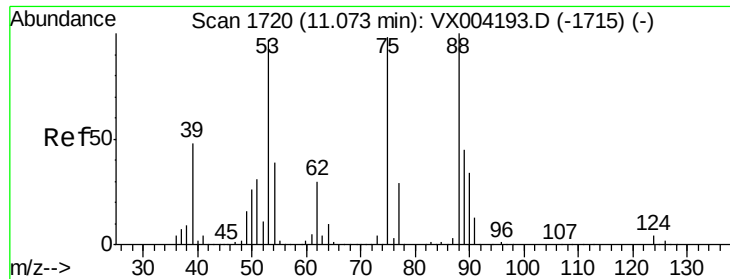
MMDadoda
 8/30/2018 1:38:34 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.51 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion: 105 Resp: 307068
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.6 76.8





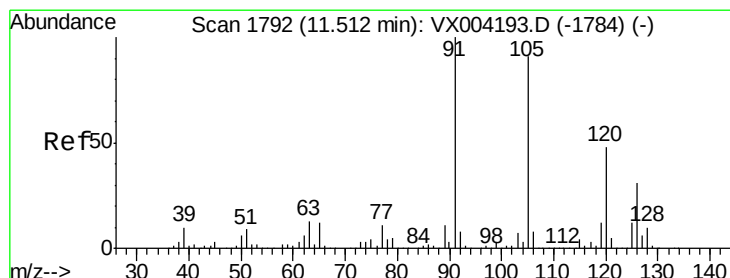
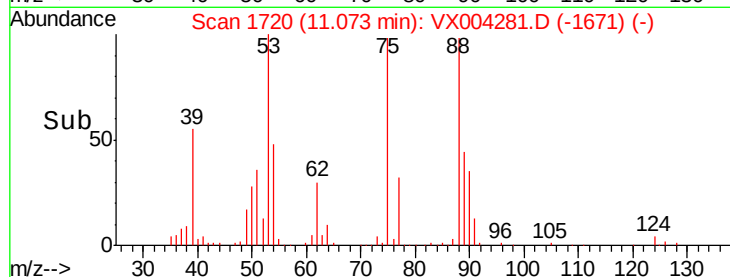
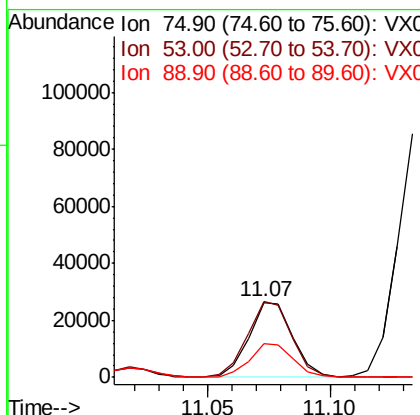
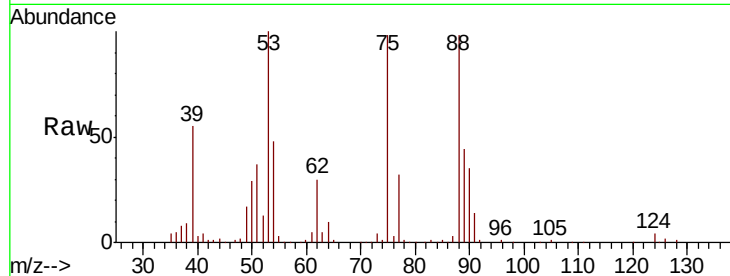
#81
trans-1,4-Dichloro-2-butene
Concen: 19.88 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	80.1	120.1
89	45.3	37.2	55.8

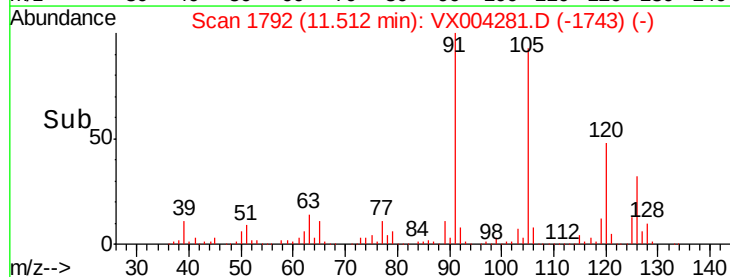
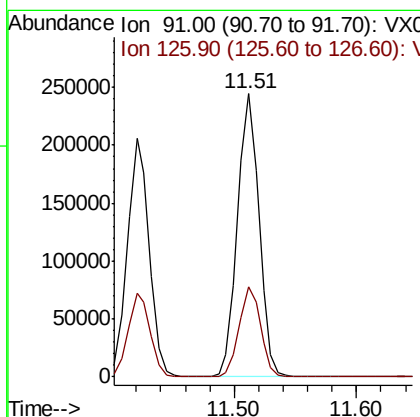
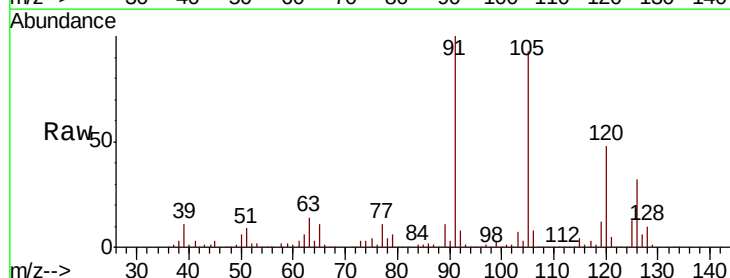
Manual Integrations
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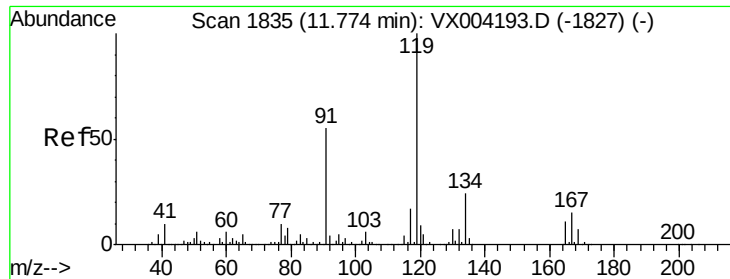
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.67 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.5	46.5





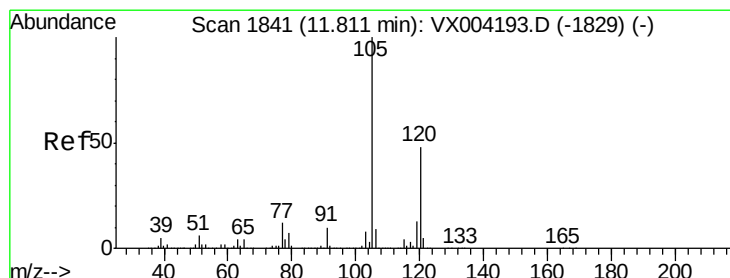
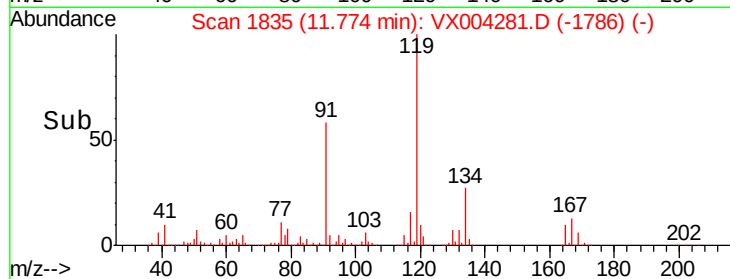
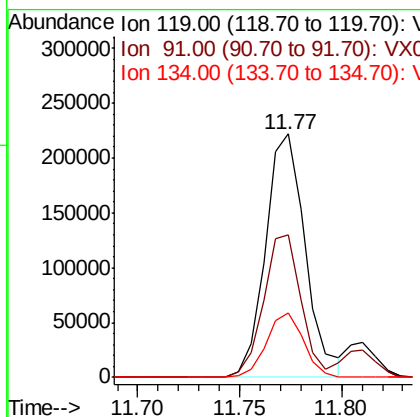
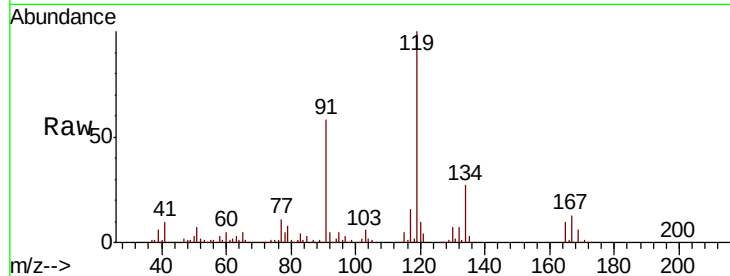
#83
 tert-Butylbenzene
 Concen: 20.95 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.0	81.0
134	24.8	11.7	35.1

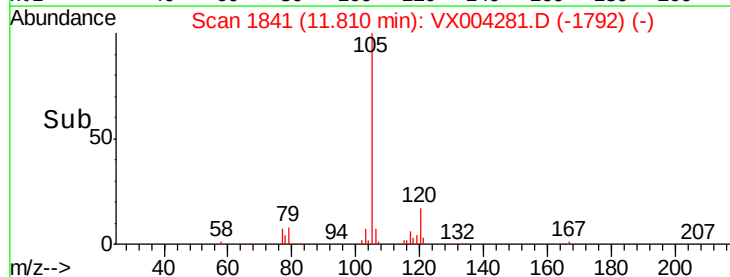
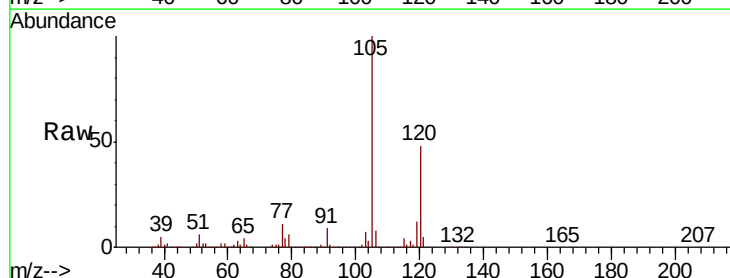
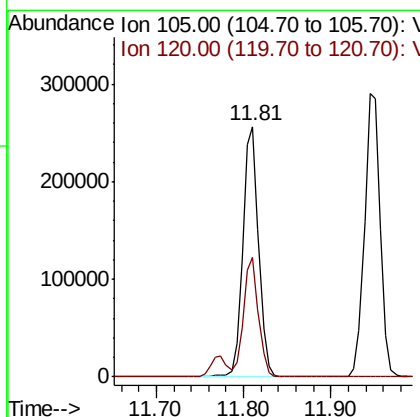
Manual Integrations
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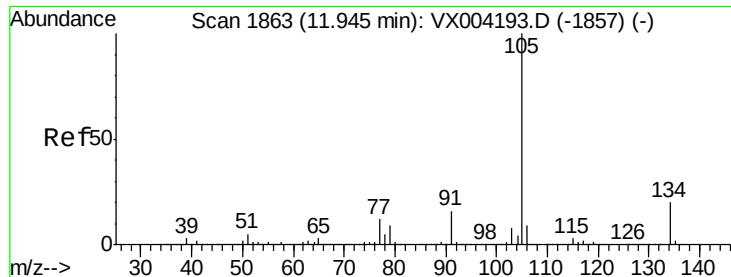
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.83 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 21.36 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD01

Tot Ion:105 Resp: 364196

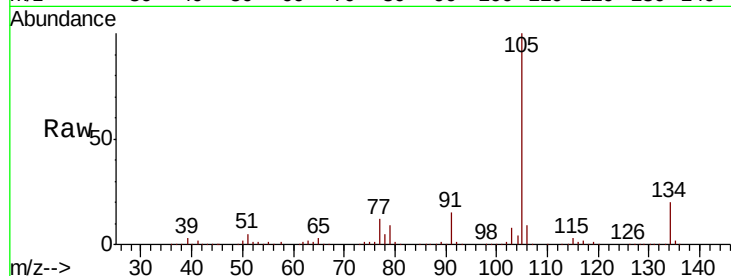
Ion Ratio Lower Upper

105 100

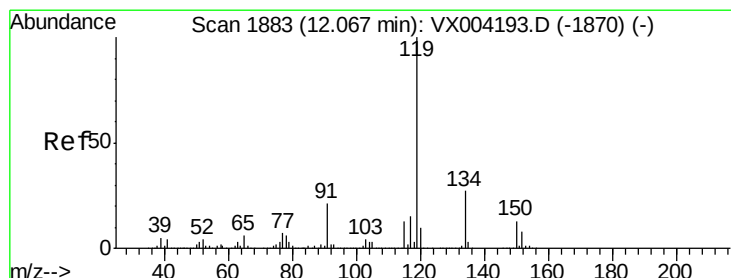
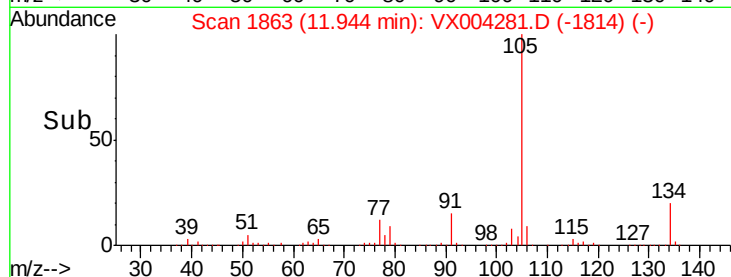
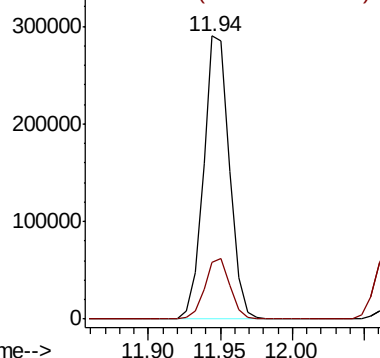
134 21.0 10.5 31.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.21 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

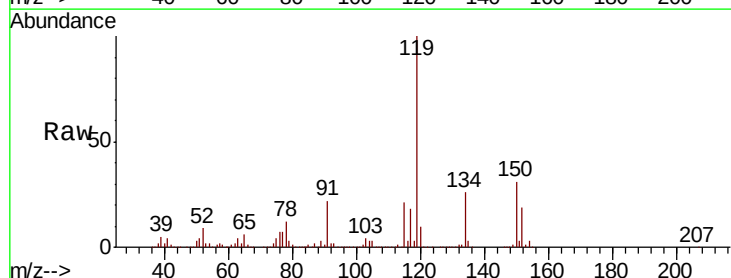
Tgt Ion:119 Resp: 324116

Ion Ratio Lower Upper

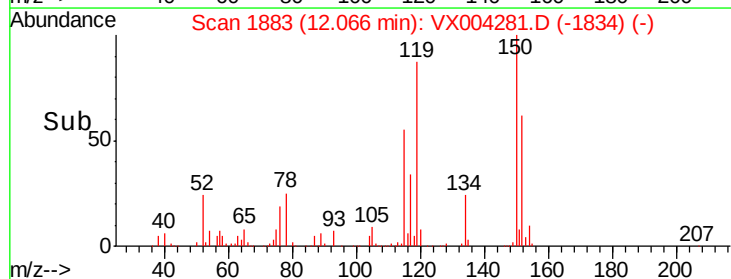
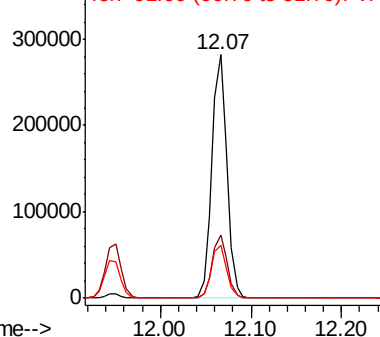
119 100

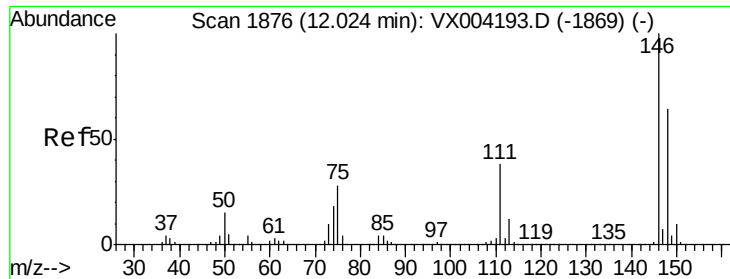
134 25.9 13.4 40.2

91 22.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VX0





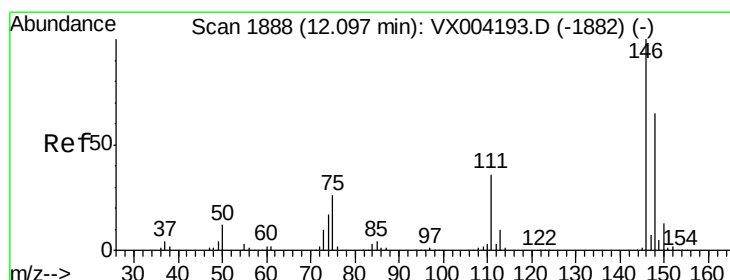
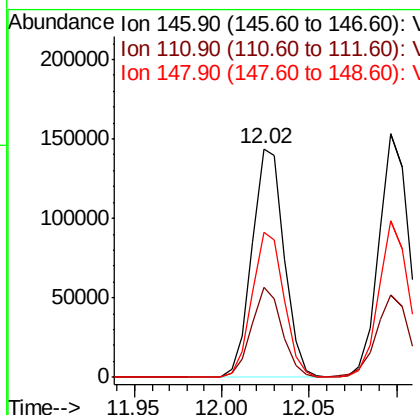
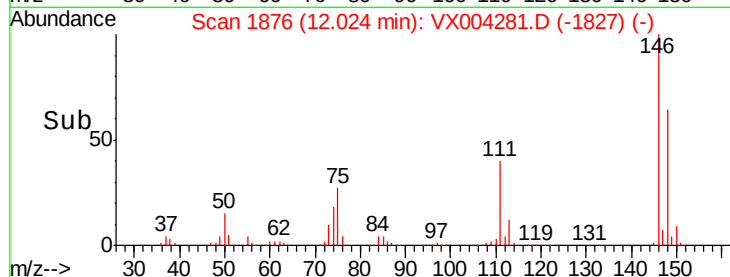
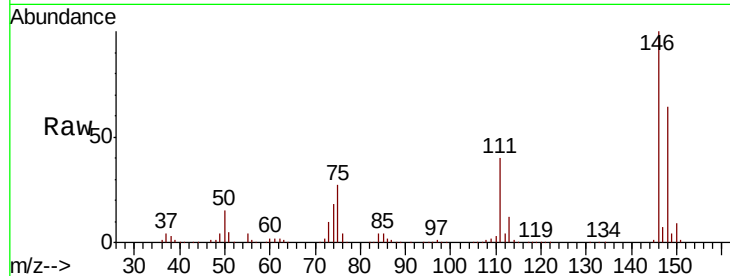
#87
 1,3-Dichlorobenzene
 Concen: 20.20 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	63.1	32.1	96.5

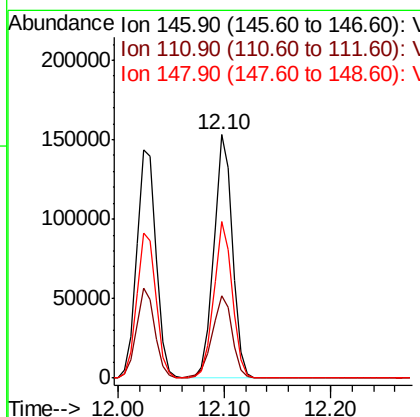
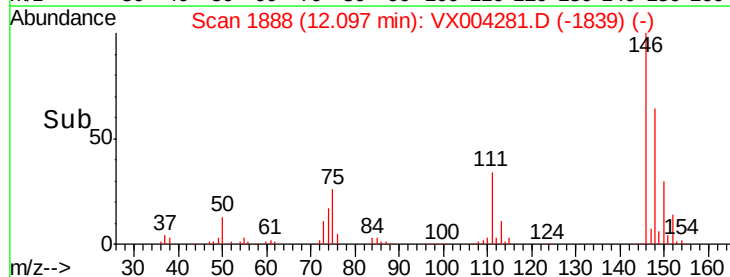
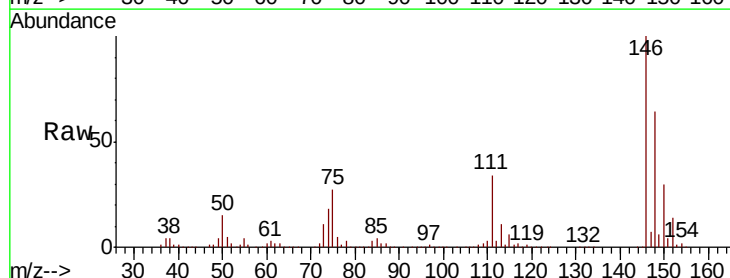
Manual Integrations
 APPROVED

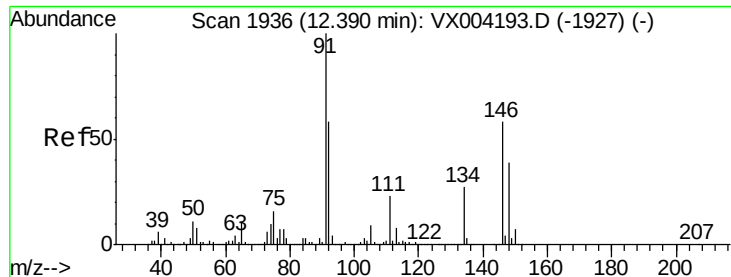
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#88
 1,4-Dichlorobenzene
 Concen: 19.10 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.8	32.0	96.0





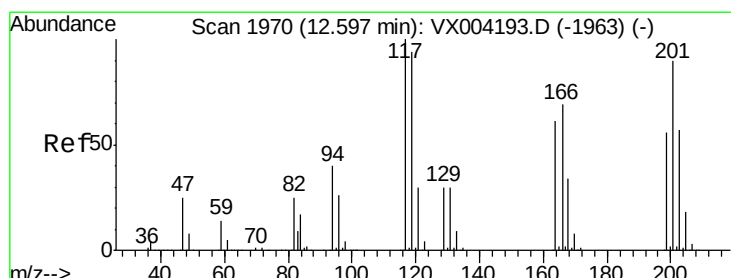
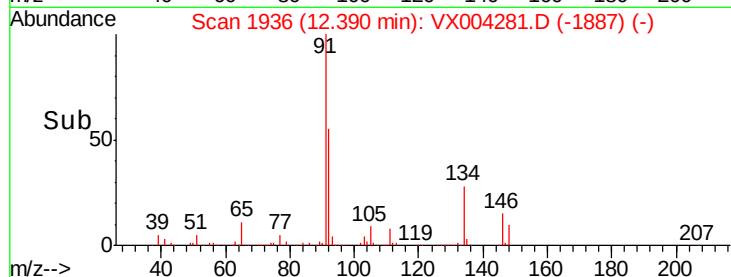
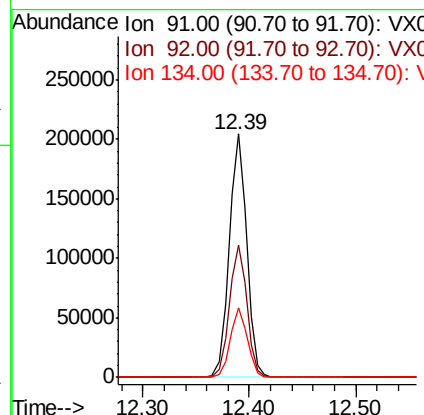
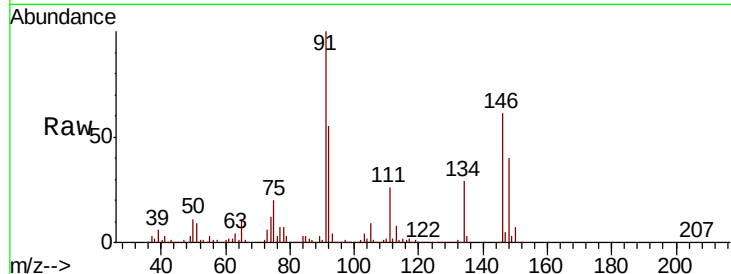
#89
n-Butylbenzene
Concen: 18.95 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.3	81.9	
134	28.0	13.6	40.7	

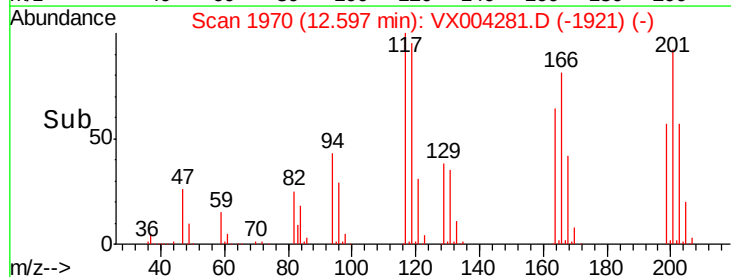
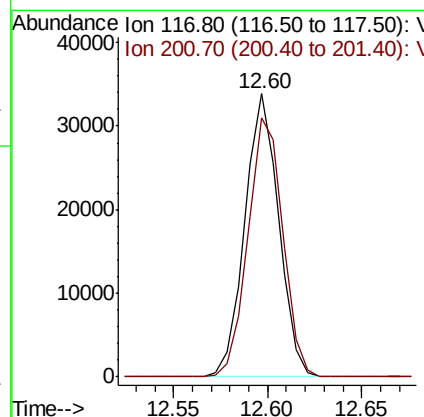
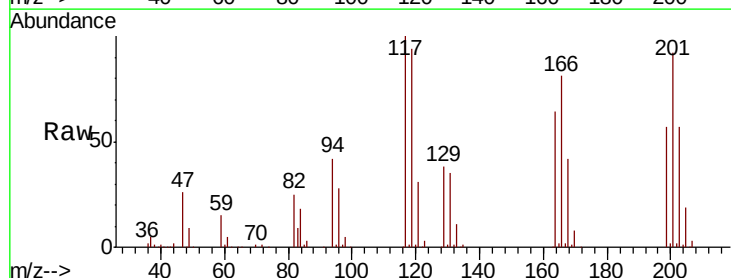
Manual Integrations
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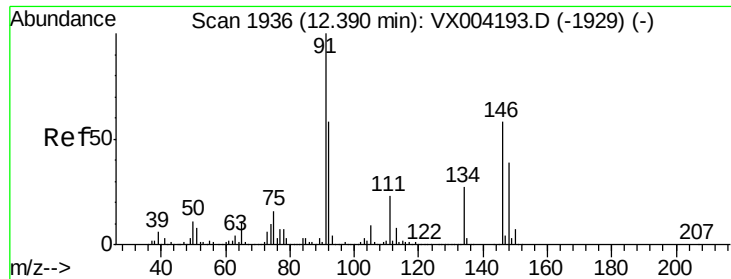
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#90
Hexachloroethane
Concen: 19.72 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004281.D
Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	94.2	46.9	140.6	





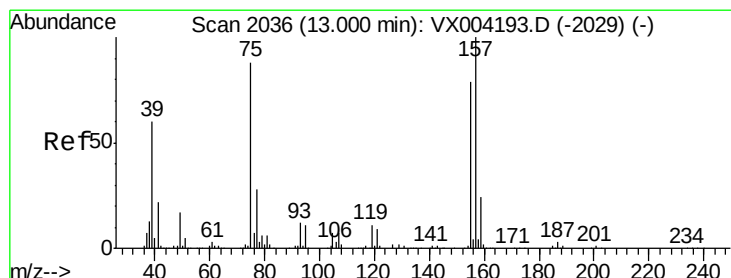
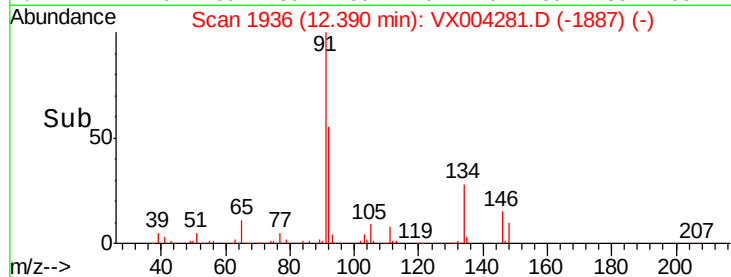
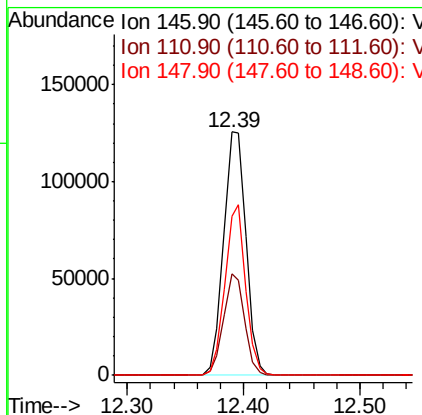
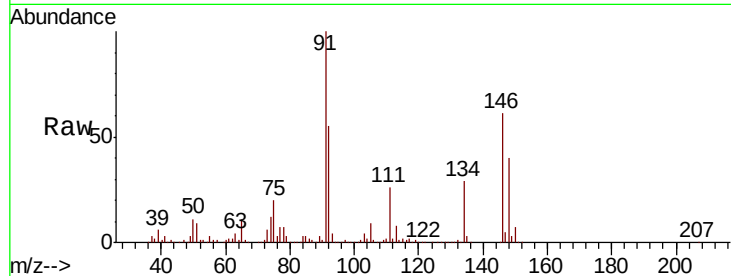
#91
 1,2-Dichlorobenzene
 Concen: 20.08 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167084		
111	39.1	19.4	58.1	
148	64.7	32.8	98.3	

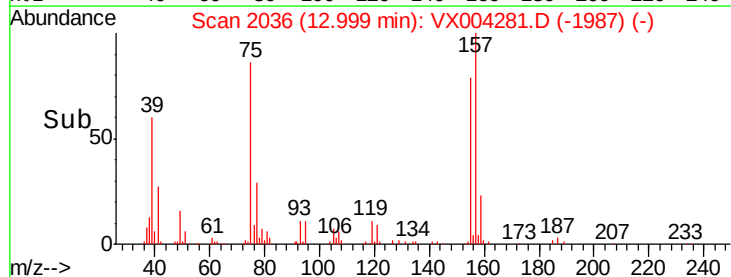
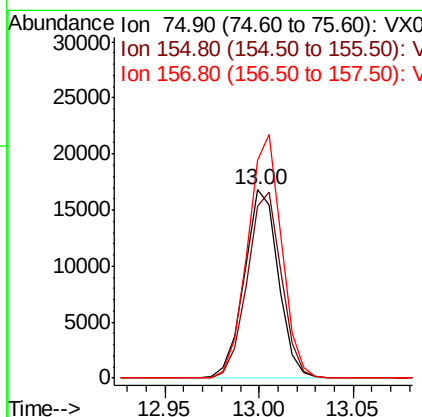
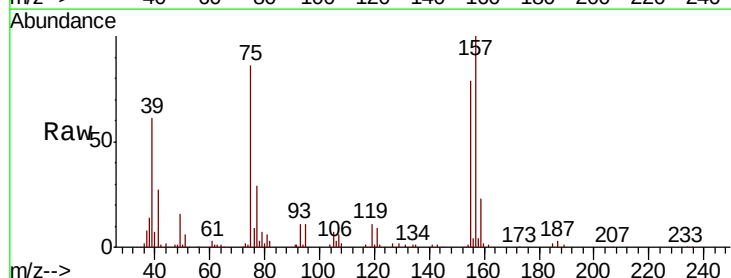
Manual Integrations
 APPROVED

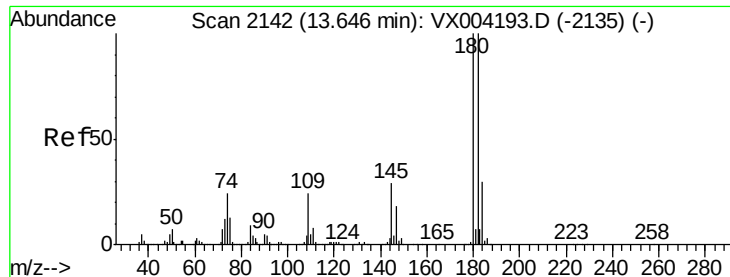
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 8/30/2018 1:38:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.82 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21061		
155	98.9	48.0	144.2	
157	128.5	61.4	184.1	





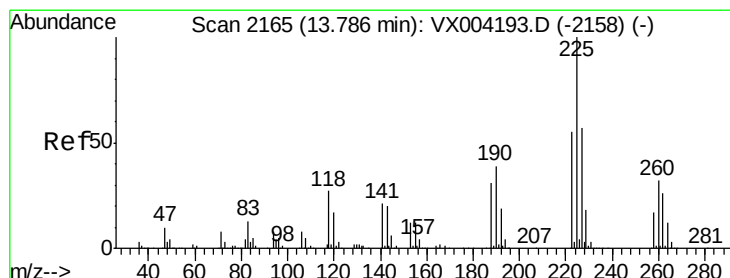
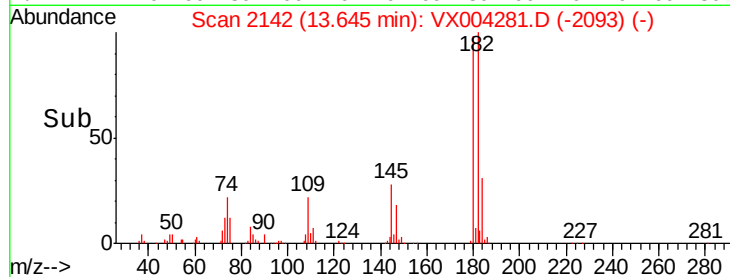
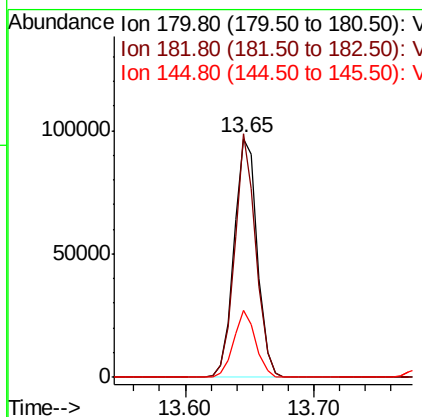
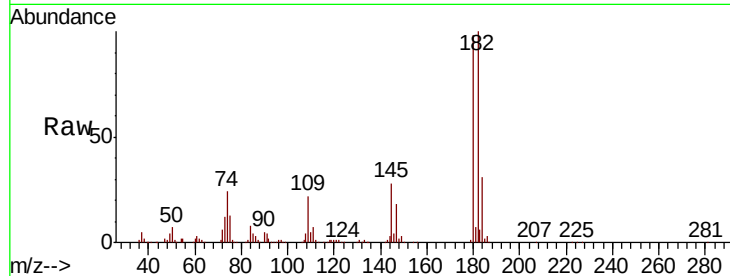
#93
 1,2,4-Trichlorobenzene
 Concen: 19.99 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX0829WBSD01

Tot Ion:	180	Resp:	121031
Ion Ratio	Lower	Upper	
180	100		
182	93.1	48.4	145.0
145	26.7	14.3	42.9

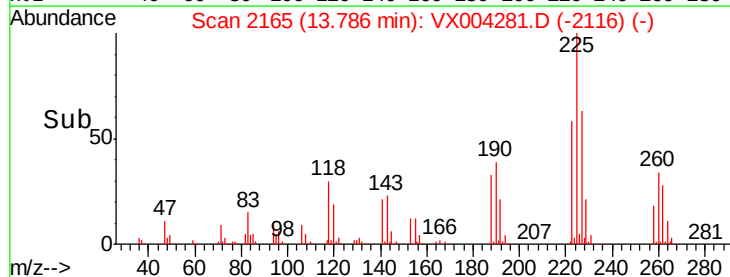
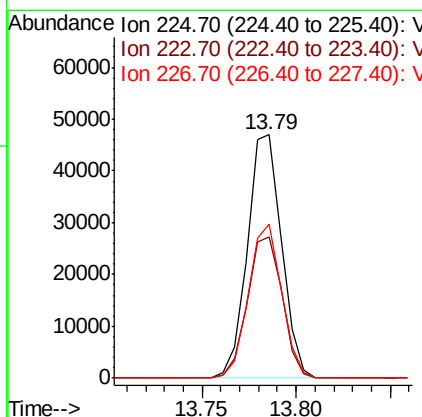
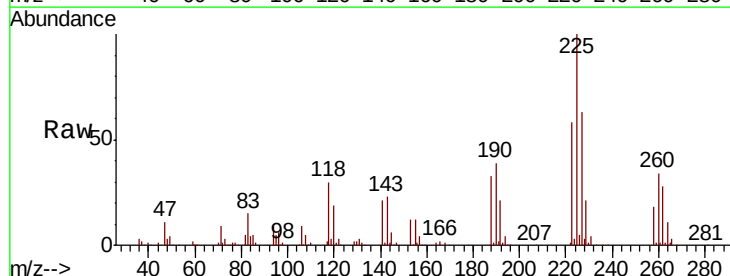
Manual Integrations
 APPROVED

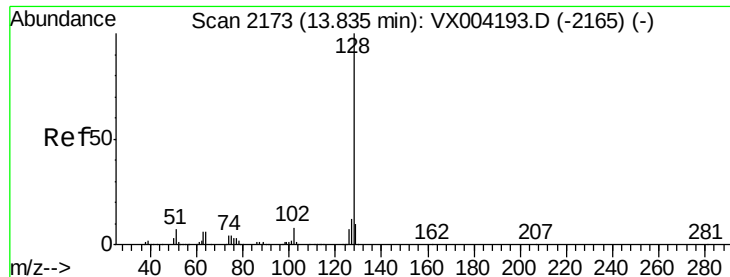
MMDadoda
 8/30/2018 1:38:34 PM



#94
 Hexachlorobutadiene
 Concen: 20.91 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004281.D
 Acq: 29 Aug 2018 10:03

Tgt Ion:	225	Resp:	59123
Ion Ratio	Lower	Upper	
225	100		
223	59.4	30.1	90.5
227	61.7	30.8	92.4





#95

Naphthalene

Concen: 22.37 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Instrument :

MSVOA_X

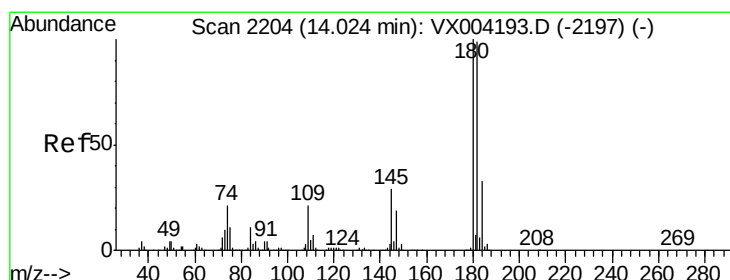
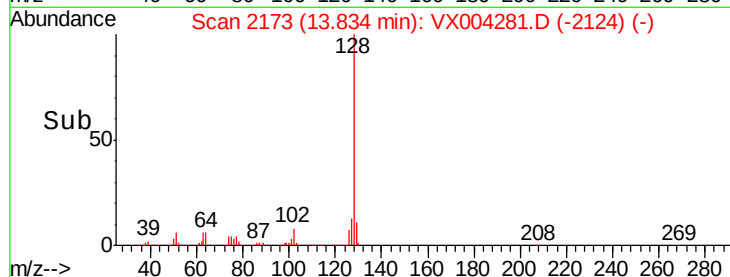
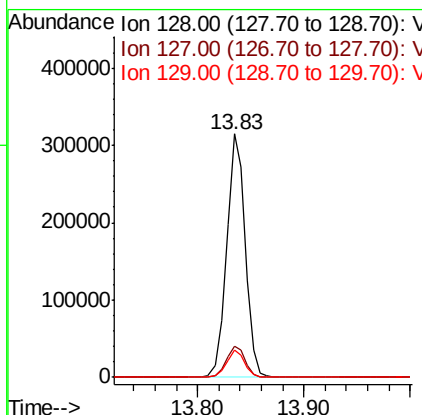
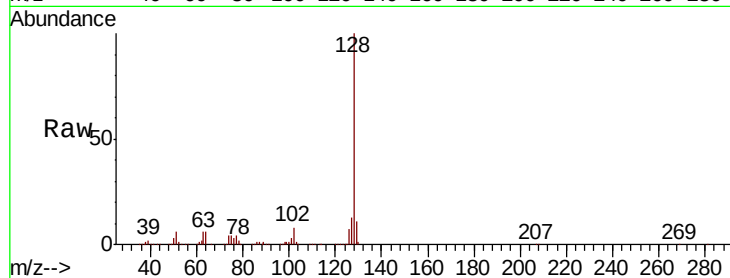
ClientSampleId :

VX0829WBSD01

Tot Ion:	128	Resp:	383100
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/30/2018 1:38:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.70 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004281.D

Acq: 29 Aug 2018 10:03

Tgt Ion:	180	Resp:	132671
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.5	145.6
145	30.0	14.9	44.9

