

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051218\
 Data File : VX001678.D
 Acq On : 12 May 2018 20:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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 5/15/2018 6:31:52 PM

Quant Time: May 14 07:24:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	306778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	206404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	145789	42.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.24%	
35) Dibromofluoromethane	5.51	113	124516	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
50) Toluene-d8	8.72	98	436517	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	
62) 4-Bromofluorobenzene	11.14	95	162743	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	142623	44.52	ug/l	99
3) Chloromethane	1.32	50	139866	44.82	ug/l	98
4) Vinyl Chloride	1.40	62	149781	45.99	ug/l	98
5) Bromomethane	1.64	94	58177	38.22	ug/l	97
6) Chloroethane	1.72	64	101053	46.95	ug/l	99
7) Trichlorofluoromethane	1.93	101	233114	47.57	ug/l	100
8) Diethyl Ether	2.19	74	93144	48.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	138253	48.12	ug/l	100
10) Methyl Iodide	2.51	142	163980	39.55	ug/l	99
11) Tert butyl alcohol	3.08	59	175335	243.10	ug/l	100
12) 1,1-Dichloroethene	2.37	96	124831	47.40	ug/l	98
13) Acrolein	2.30	56	22813	156.07	ug/l	95
14) Allyl chloride	2.73	41	242366	49.36	ug/l	97
15) Acrylonitrile	3.15	53	402488	246.96	ug/l	99
16) Acetone	2.45	43	353750	227.74	ug/l	98
17) Carbon Disulfide	2.57	76	285631	42.62	ug/l	100
18) Methyl Acetate	2.78	43	225921	55.36	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	454902	49.61	ug/l	99
20) Methylene Chloride	2.86	84	145556	47.33	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	134162	45.65	ug/l	98
22) Diisopropyl ether	3.88	45	468491	51.06	ug/l	99
23) Vinyl Acetate	3.83	43	1907400	249.46	ug/l	100
24) 1,1-Dichloroethane	3.70	63	249057	48.60	ug/l	100
25) 2-Butanone	4.71	43	547041	243.63	ug/l	98
26) 2,2-Dichloropropane	4.59	77	183552	46.38	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	155859	49.79	ug/l	96
28) Bromochloromethane	5.03	49	116970	52.64	ug/l	99
29) Tetrahydrofuran	5.17	42	352545	245.40	ug/l	99
30) Chloroform	5.22	83	276622	52.40	ug/l	98
31) Cyclohexane	5.58	56	210131	47.74	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	242280	52.51	ug/l	100
36) 1,1-Dichloropropene	5.80	75	188018	48.18	ug/l	100
37) Ethyl Acetate	4.87	43	208223	48.68	ug/l	100
38) Carbon Tetrachloride	5.79	117	218069	52.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	217945	47.24	ug/l	99
40) Benzene	6.15	78	581659	51.03	ug/l	98
41) Methacrylonitrile	5.07	41	123512	50.47	ug/l	99
42) 1,2-Dichloroethane	6.20	62	221236	50.50	ug/l	100
43) Isopropyl Acetate	6.47	43	335325	51.06	ug/l	99
44) Trichloroethene	7.21	130	176220	50.58	ug/l	99
45) 1,2-Dichloropropane	7.52	63	147809	52.02	ug/l	100
46) Dibromomethane	7.67	93	101585	50.50	ug/l	99
47) Bromodichloromethane	7.90	83	203891	54.77	ug/l	100
48) Methyl methacrylate	7.79	41	181441	50.74	ug/l	98
49) 1,4-Dioxane	7.76	88	76394	988.89	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1137468	260.67	ug/l	99
52) Toluene	8.79	92	388462	52.12	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	229750	54.61	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	208644	48.06	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	154835	51.57	ug/l	97
56) Ethyl methacrylate	9.19	69	222718	51.46	ug/l	97
57) 1,3-Dichloropropane	9.38	76	253000	50.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	567497	267.32	ug/l	99
59) 2-Hexanone	9.51	43	830596	248.57	ug/l	99
60) Dibromochloromethane	9.59	129	167813	54.58	ug/l	100
61) 1,2-Dibromoethane	9.68	107	161477	51.22	ug/l	100
64) Tetrachloroethene	9.34	164	202092	50.24	ug/l	99
65) Chlorobenzene	10.15	112	431564	50.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	162371	53.63	ug/l	98
67) Ethyl Benzene	10.26	91	707276	50.98	ug/l	99
68) m/p-Xylenes	10.37	106	564854	103.04	ug/l	99
69) o-Xylene	10.71	106	276543	51.91	ug/l	100
70) Styrene	10.72	104	462047	53.39	ug/l	98
71) Bromoform	10.87	173	135607	46.82	ug/l	100
73) Isopropylbenzene	11.02	105	739824	51.78	ug/l	99
74) N-amyl acetate	6.47	43	335325	51.67	ug/l #	99
75) 1,1,1,2-Tetrachloroethane	11.27	83	221691	52.53	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	215427m	51.46	ug/l	
77) Bromobenzene	11.26	156	209266	50.37	ug/l	99
78) n-propylbenzene	11.37	91	820533	52.73	ug/l	99
79) 2-Chlorotoluene	11.43	91	492935	51.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	617629	51.92	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	58053	44.71	ug/l	98
82) 4-Chlorotoluene	11.52	91	568224	51.44	ug/l	99
83) tert-Butylbenzene	11.77	119	615347	51.98	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	637828	52.17	ug/l	99
85) sec-Butylbenzene	11.95	105	756231	53.23	ug/l	99
86) p-Isopropyltoluene	12.07	119	686756	52.69	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	377454	50.83	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	378086	49.92	ug/l	99
89) n-Butylbenzene	12.40	91	553772	51.28	ug/l	100
90) Hexachloroethane	12.60	117	111308	56.71	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	389555	51.56	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49549	53.44	ug/l	97

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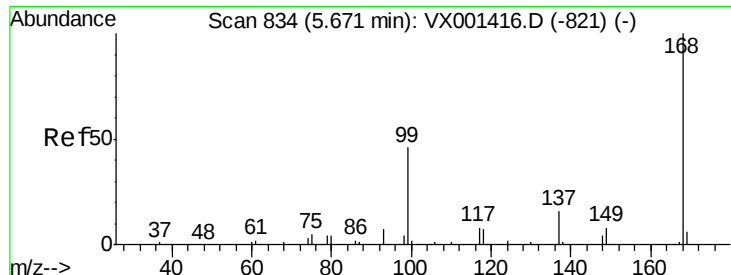
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	288655	52.21	ug/l	100
94) Hexachlorobutadiene	13.79	225	151462	50.07	ug/l	99
95) Naphthalene	13.84	128	831278	54.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	297450	52.43	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 238001

Ion Ratio Lower Upper

168 100

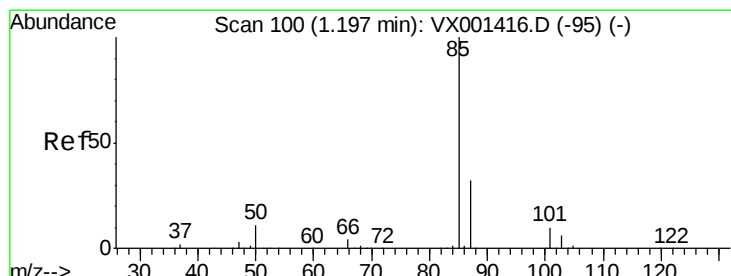
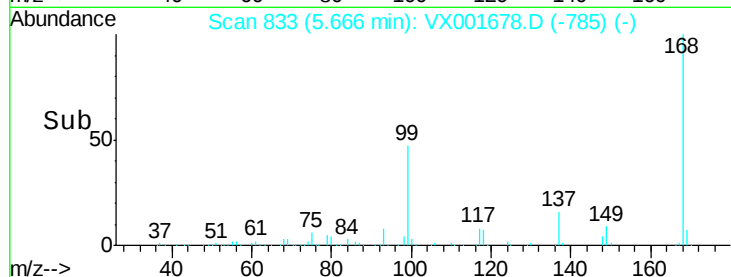
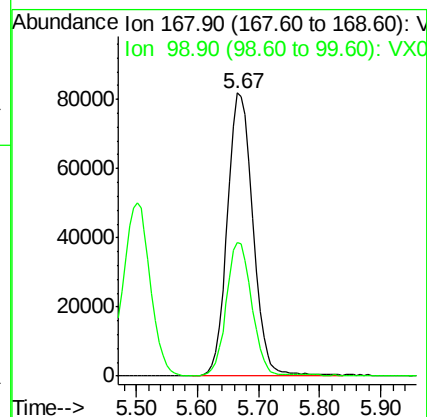
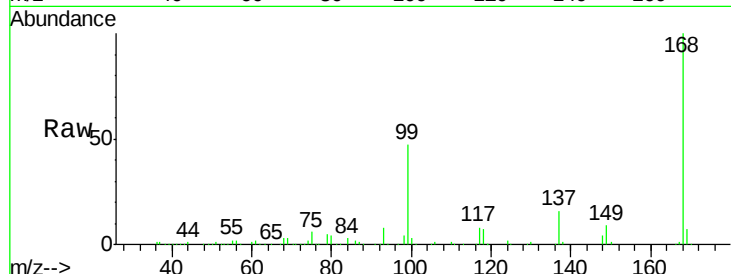
99 47.2 36.6 54.8

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#2

Dichlorodifluoromethane

Concen: 44.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001678.D

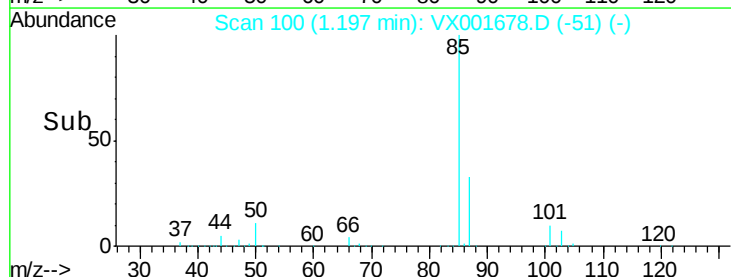
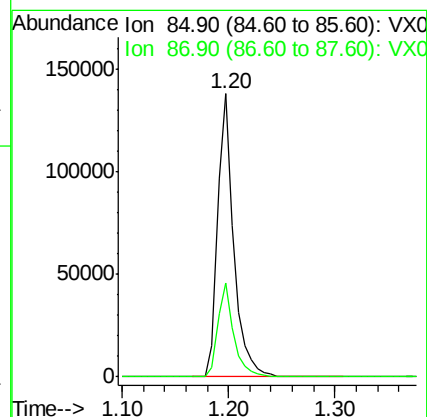
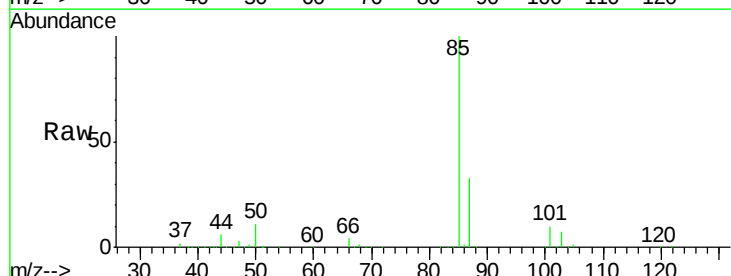
Acq: 12 May 2018 20:16

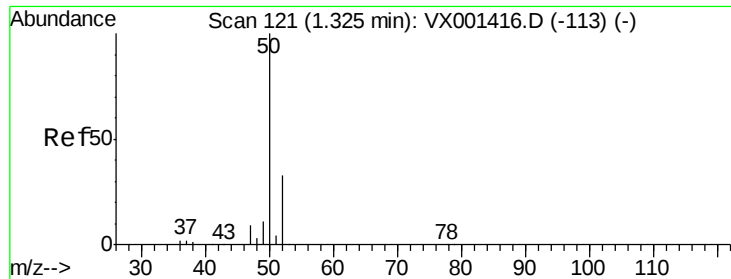
Tgt Ion: 85 Resp: 142623

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.6





#3

Chloromethane

Concen: 44.82 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 139866

Ion Ratio Lower Upper

50 100

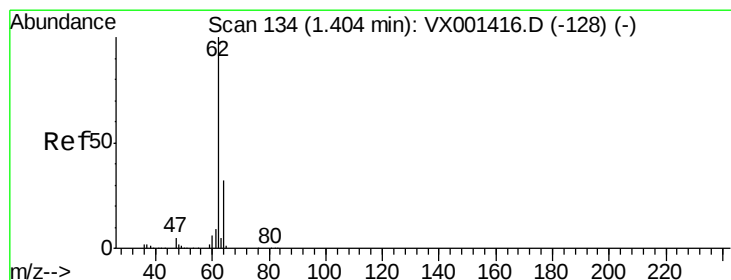
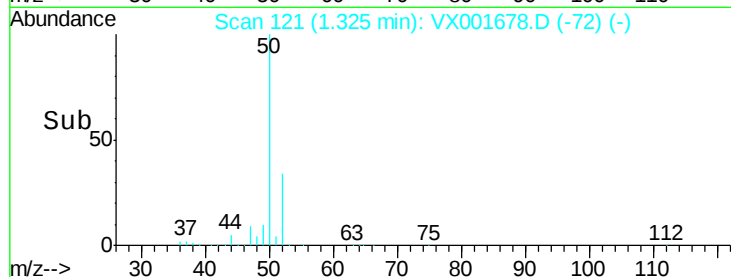
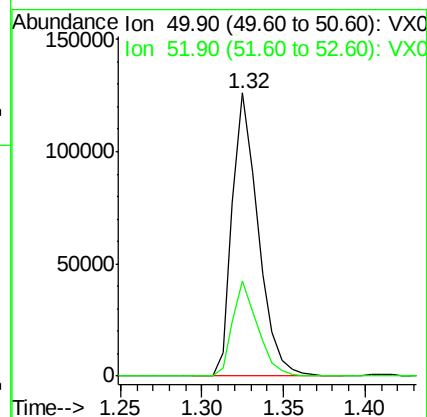
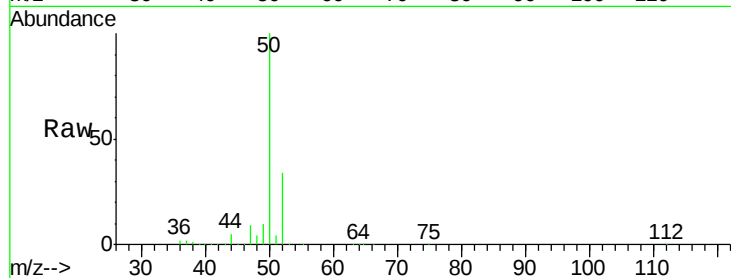
52 33.7 26.2 39.4

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#4

Vinyl Chloride

Concen: 45.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001678.D

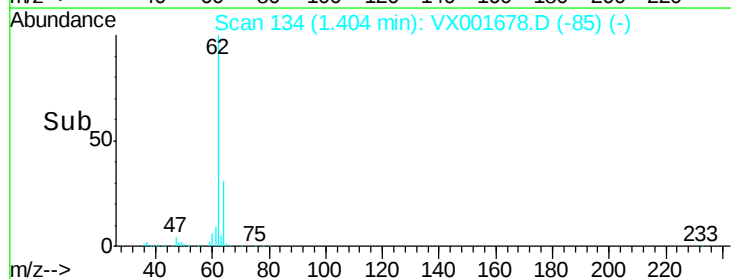
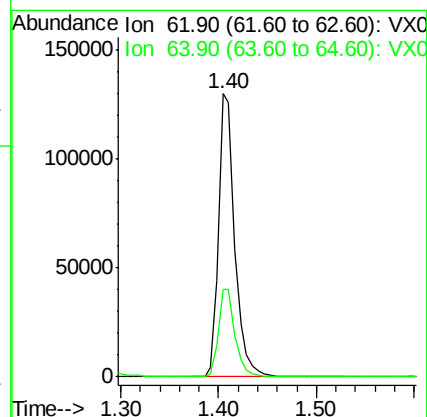
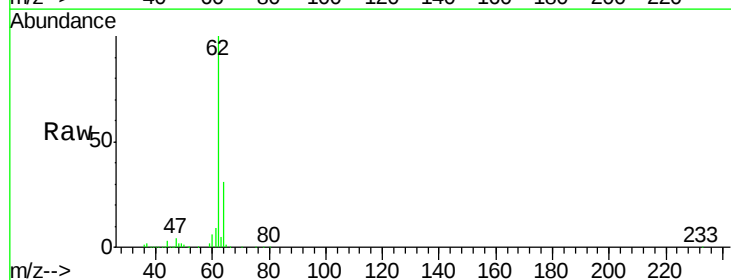
Acq: 12 May 2018 20:16

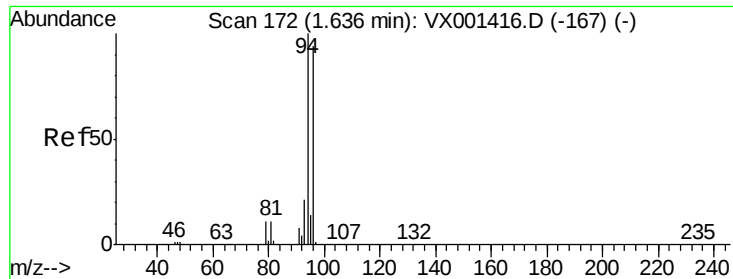
Tgt Ion: 62 Resp: 149781

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.6





#5

Bromomethane

Concen: 38.22 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58177

Ion Ratio Lower Upper

94 100

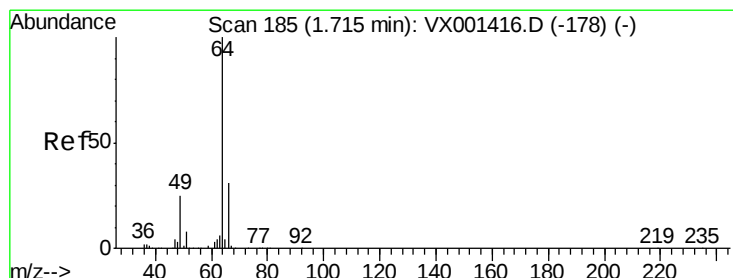
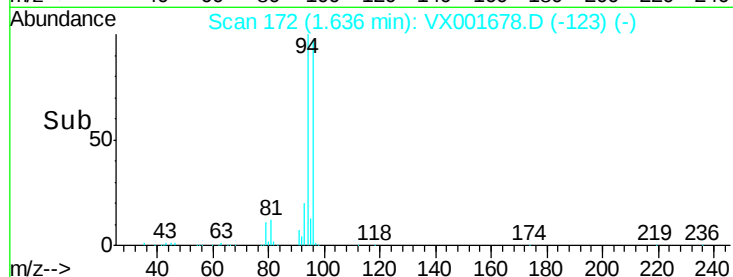
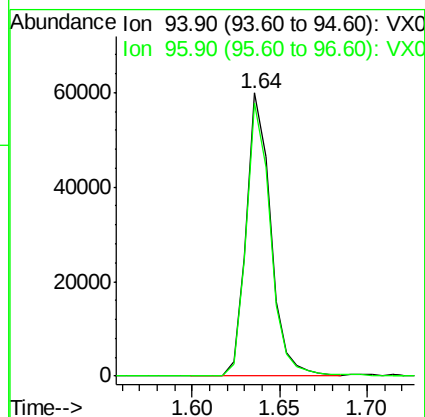
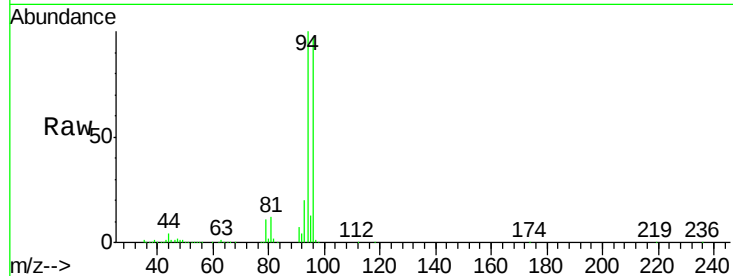
96 96.7 75.0 112.6

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#6

Chloroethane

Concen: 46.95 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001678.D

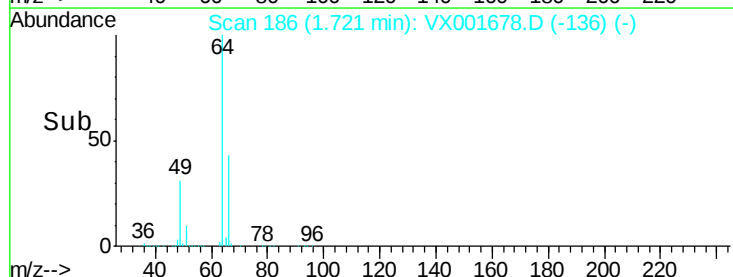
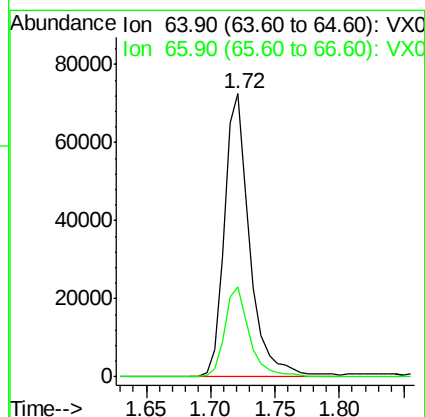
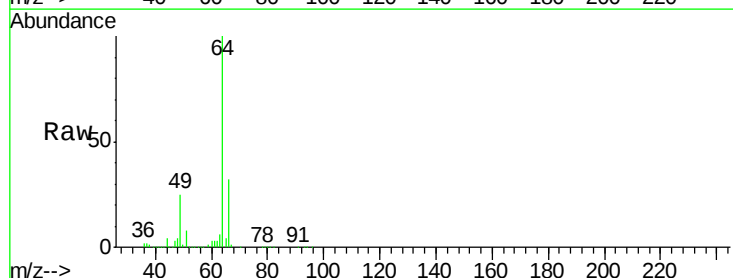
Acq: 12 May 2018 20:16

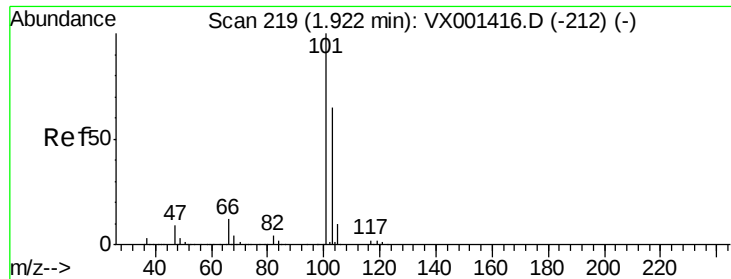
Tgt Ion: 64 Resp: 101053

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7





#7

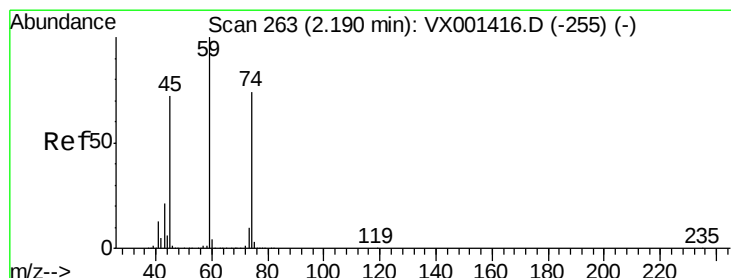
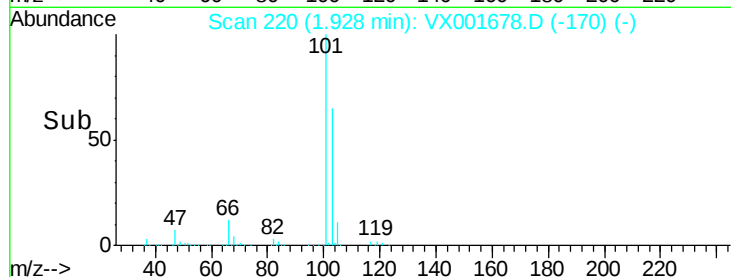
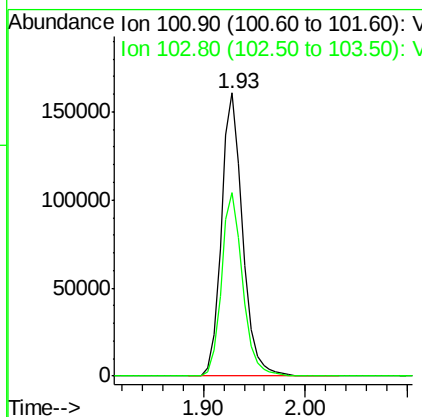
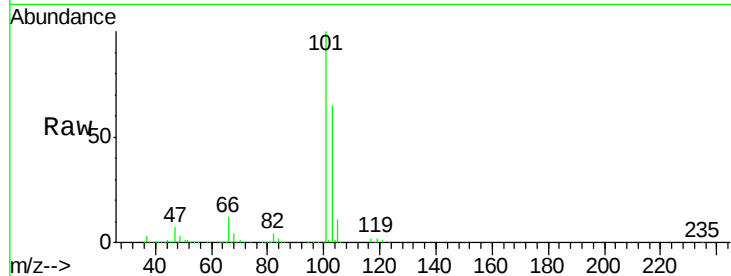
Trichlorofluoromethane
Concen: 47.57 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	233114		
103	64.8	52.0	78.0	

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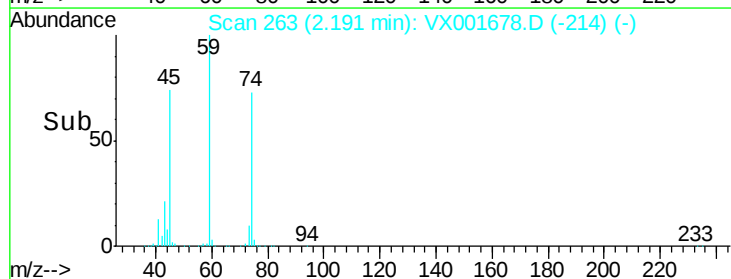
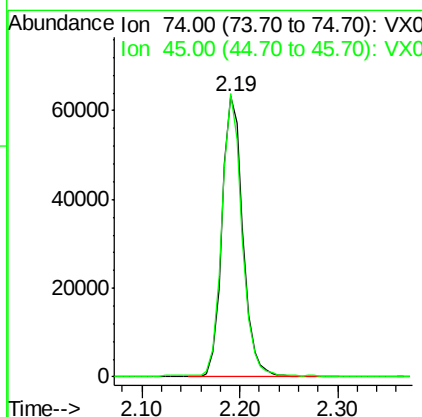
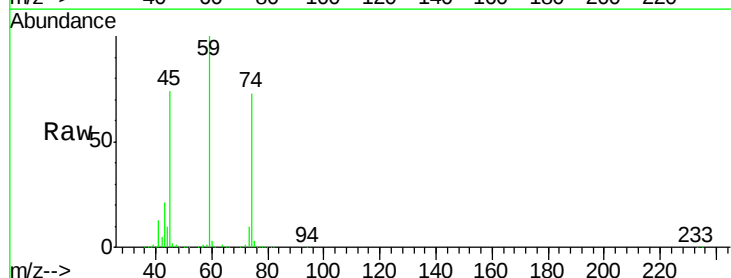
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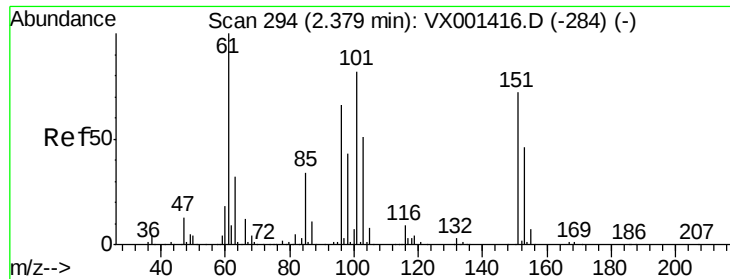


#8

Diethyl Ether
Concen: 48.49 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	93144		
45	97.3	47.9	143.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.12 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

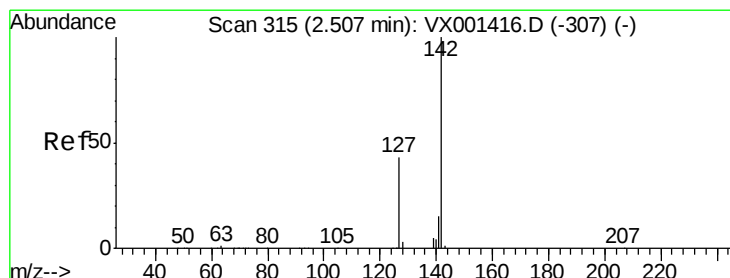
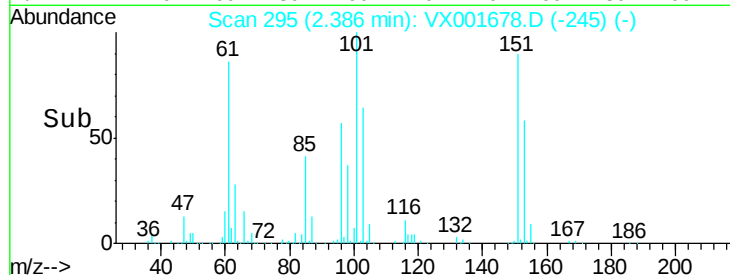
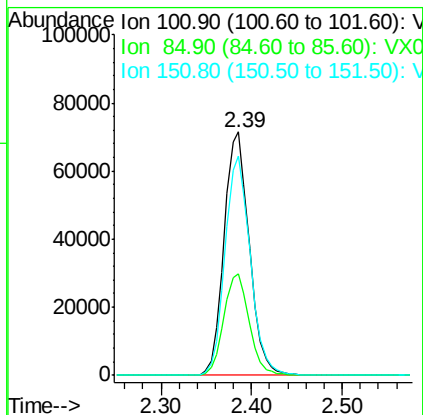
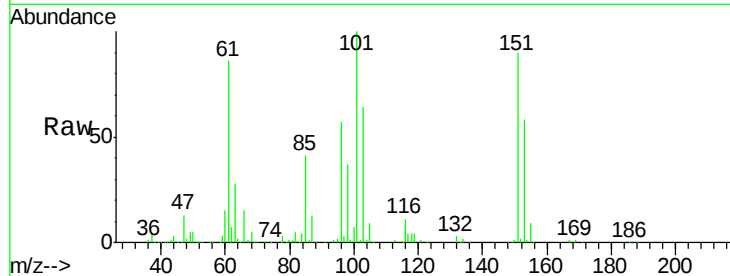
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	138253
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.7	50.5
151	90.1	72.3	108.5

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#10

Methyl Iodide

Concen: 39.55 ug/l

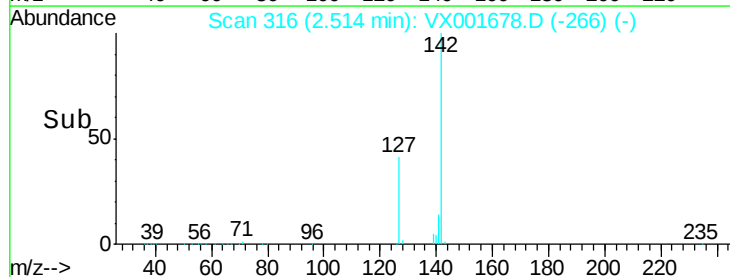
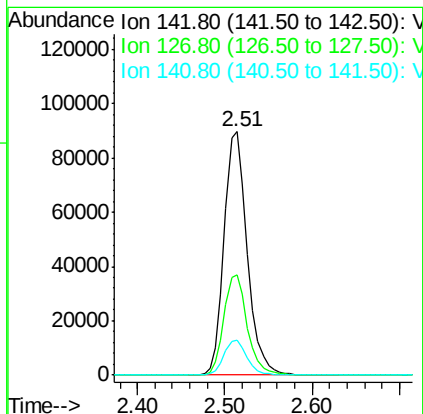
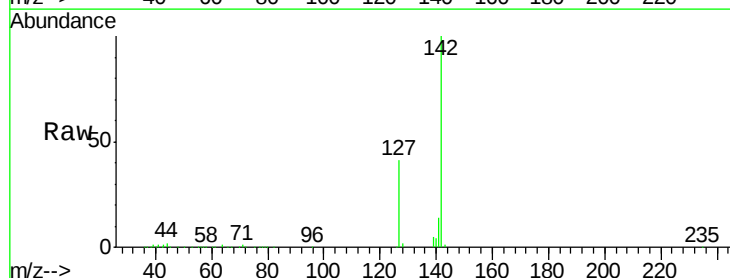
RT: 2.51 min Scan# 316

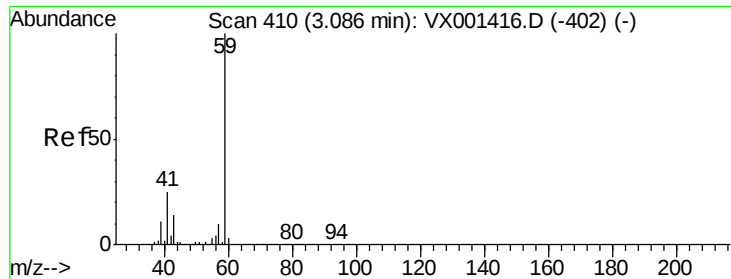
Delta R.T. 0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	142	Resp:	163980
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.6	50.4
141	14.3	11.4	17.2





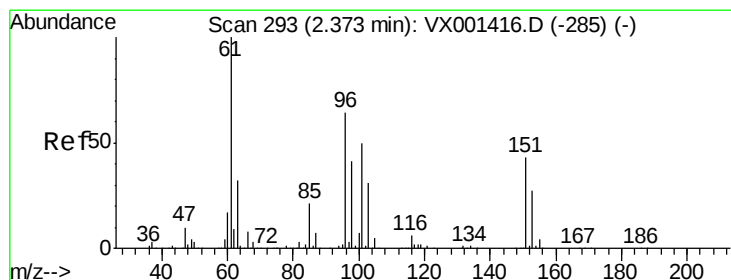
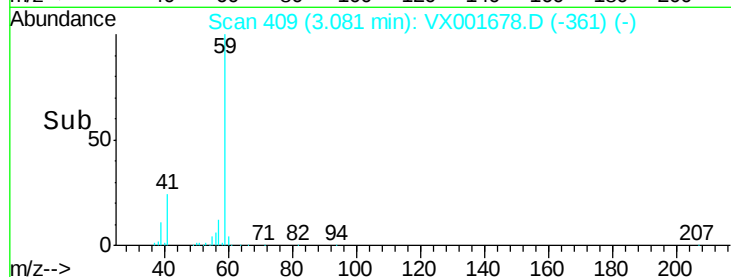
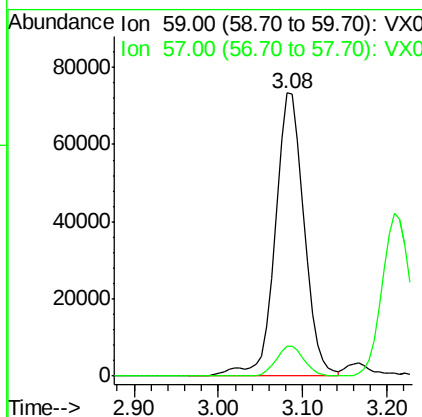
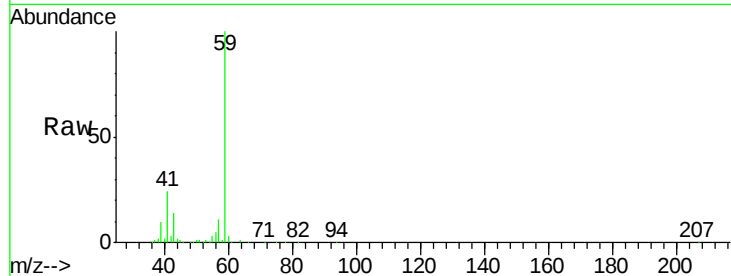
#11
Tert butyl alcohol
Concen: 243.10 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.5	Resp	175335	Lower	8.2	Upper	12.4
Ion											

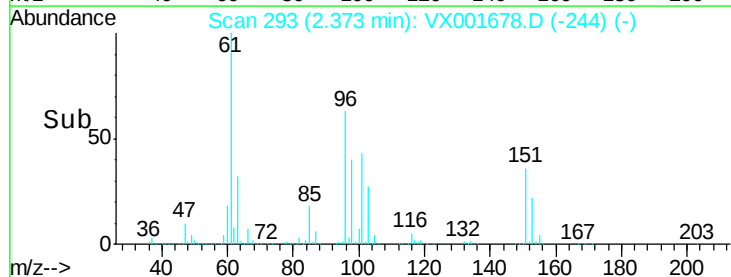
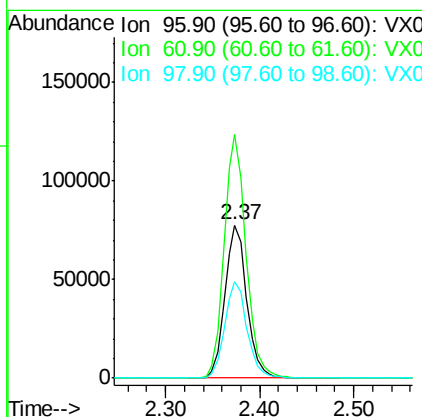
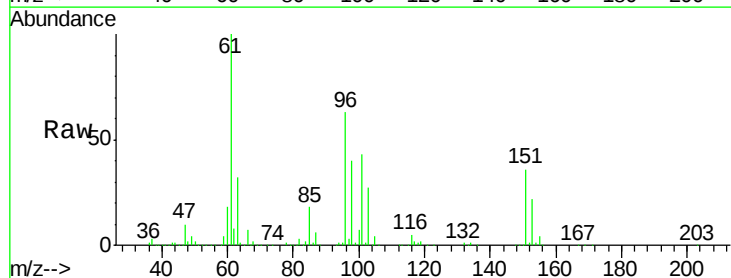
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 47.40 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	96	61	98	Ratio	100	159.1	63.3	Resp	124831	Lower	125.7	Upper	188.5	78.0
Ion														





#13

Acrolein

Concen: 156.07 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 22813

Ion Ratio Lower Upper

56 100

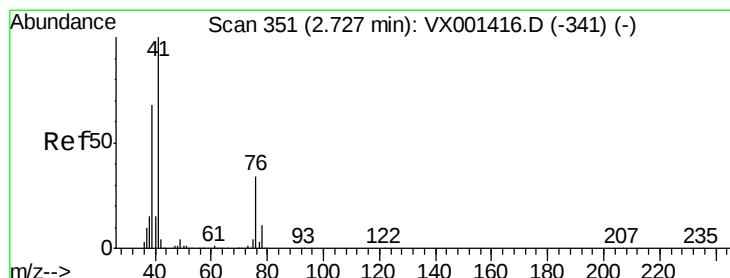
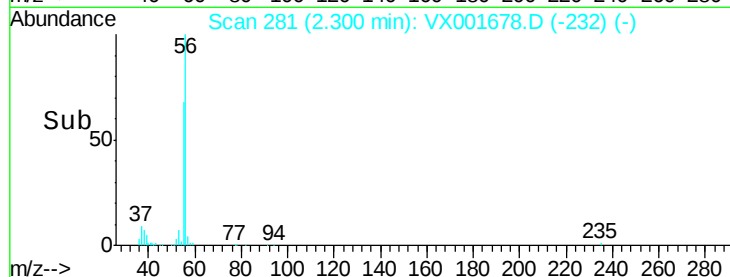
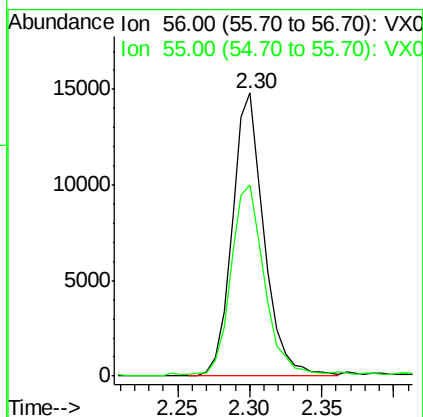
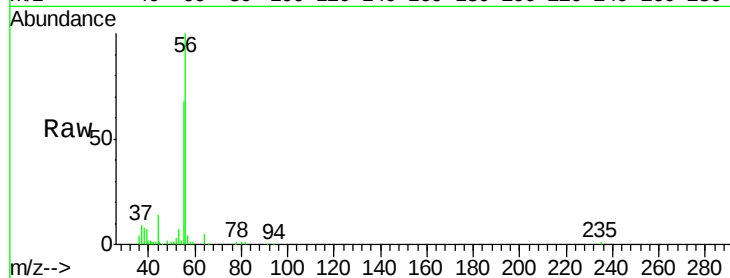
55 72.2 54.5 81.7

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#14

Allyl chloride

Concen: 49.36 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

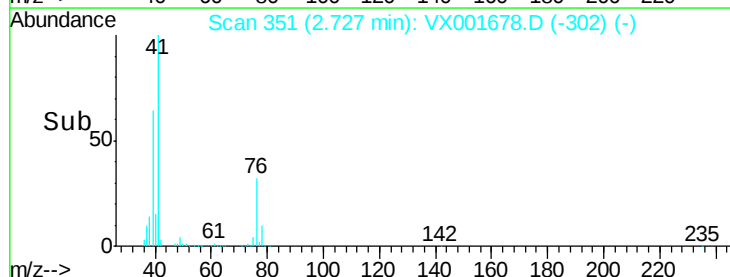
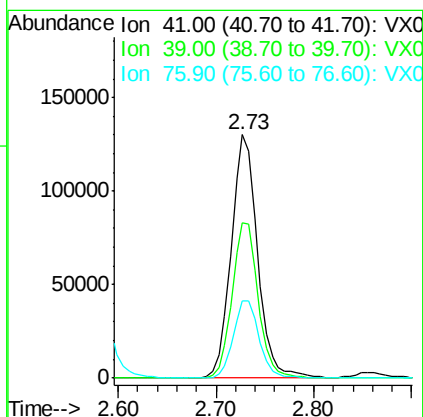
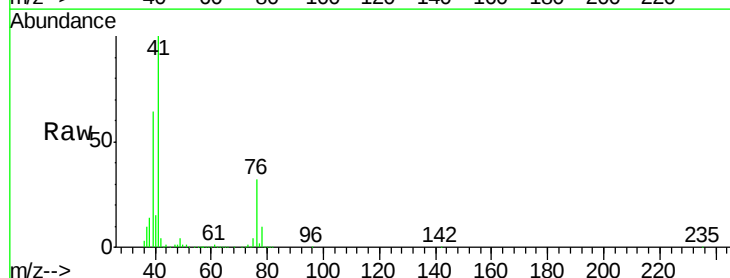
Tgt Ion: 41 Resp: 242366

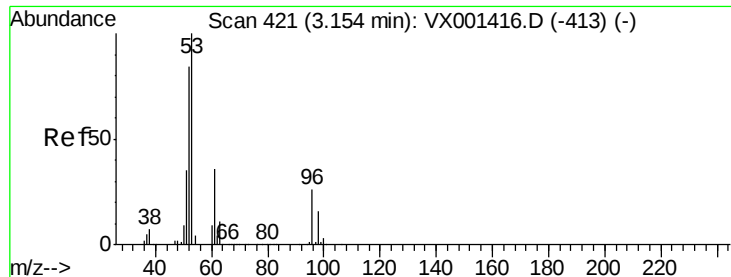
Ion Ratio Lower Upper

41 100

39 63.0 52.4 78.6

76 31.2 25.8 38.6





#15

Acrylonitrile

Concen: 246.96 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

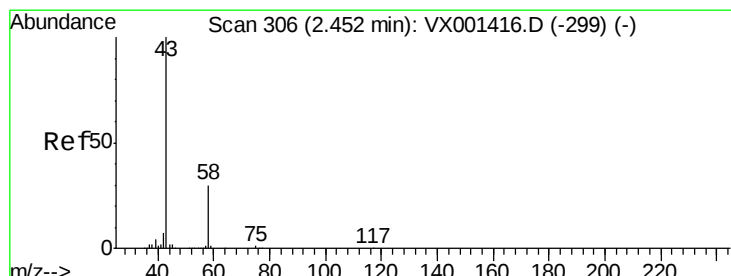
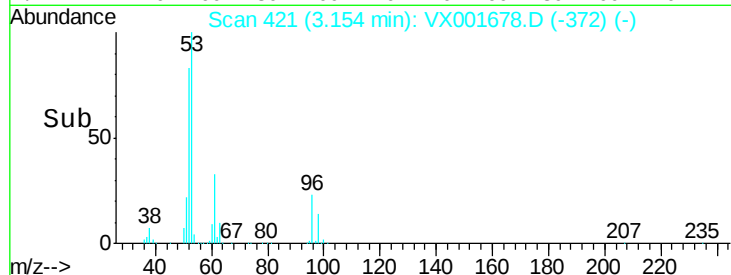
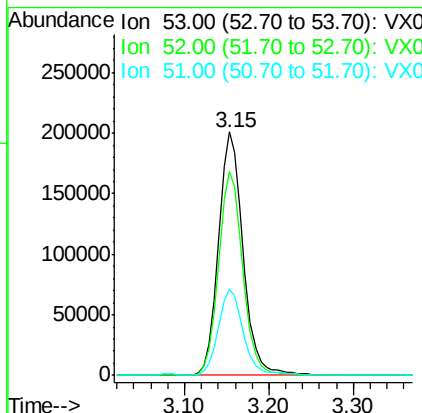
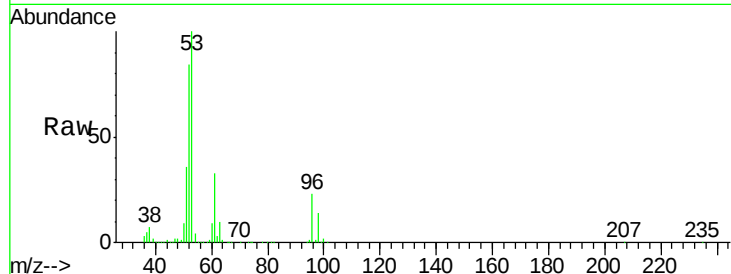
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	402488
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.2
51	36.1	28.6	43.0

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#16

Acetone

Concen: 227.74 ug/l

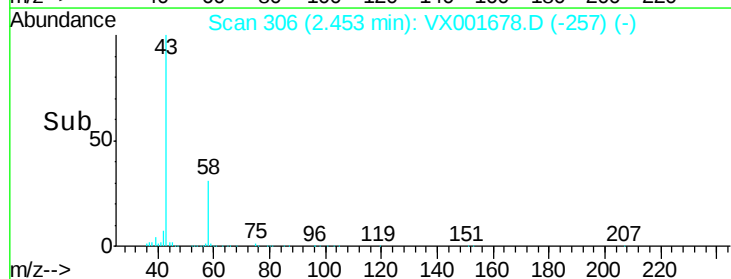
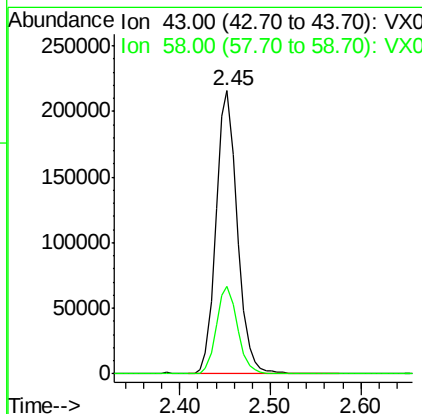
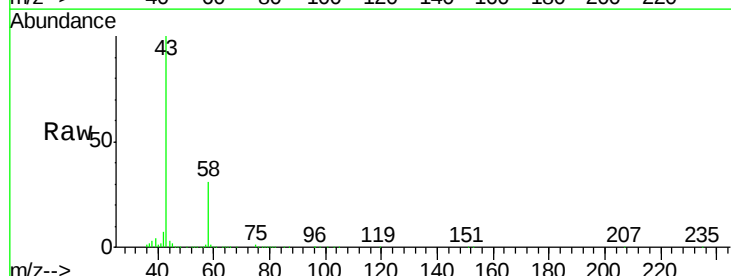
RT: 2.45 min Scan# 306

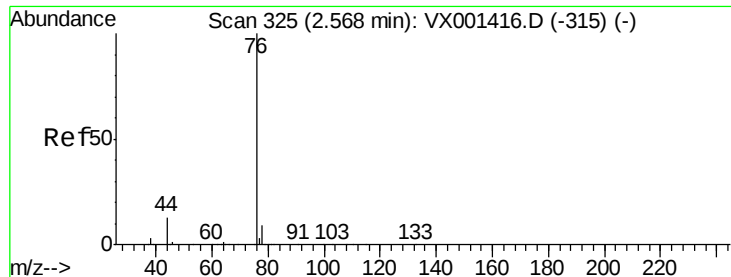
Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	43	Resp:	353750
Ion Ratio	Lower	Upper	
43	100		
58	30.8	23.8	35.8





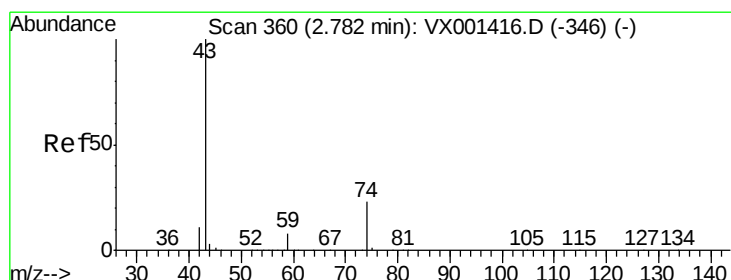
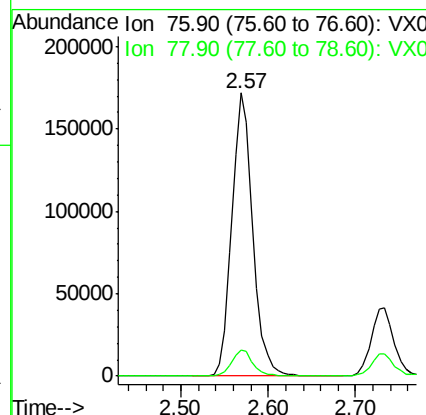
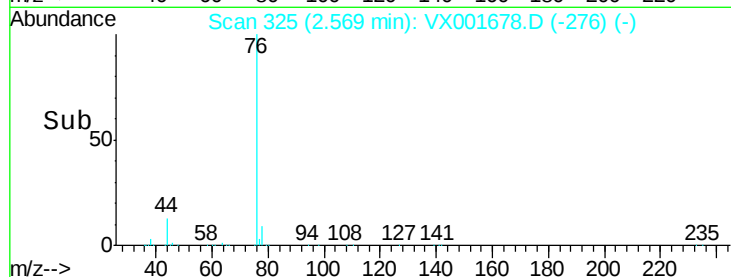
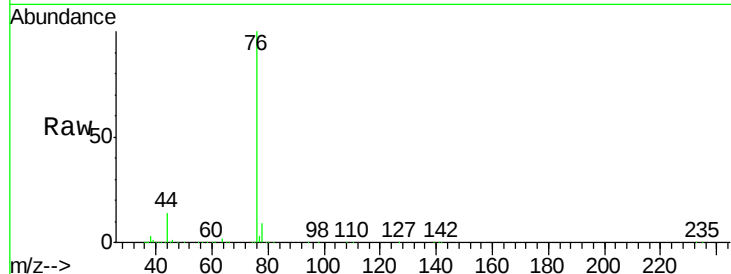
#17
Carbon Disulfide
Concen: 42.62 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

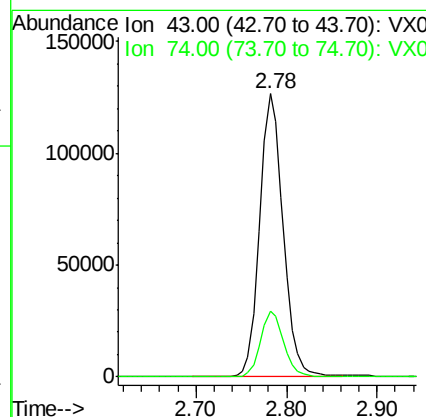
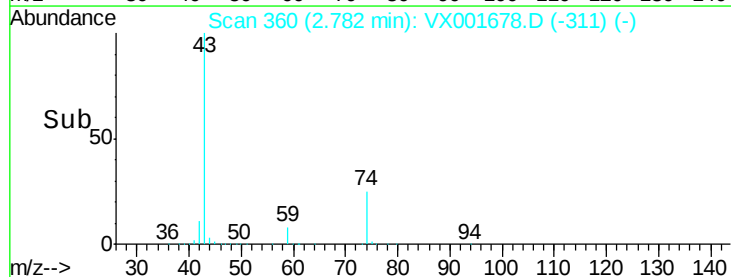
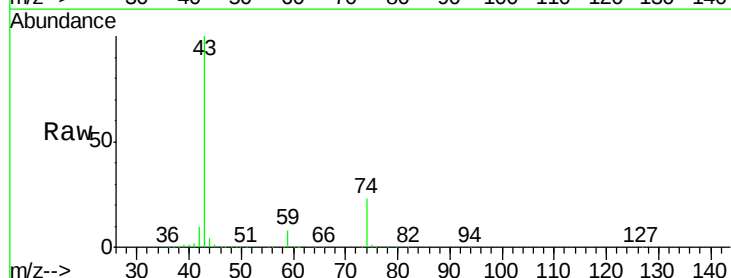
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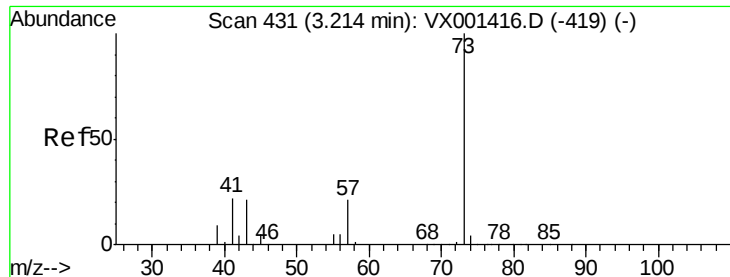
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#18
Methyl Acetate
Concen: 55.36 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	27.8





#19

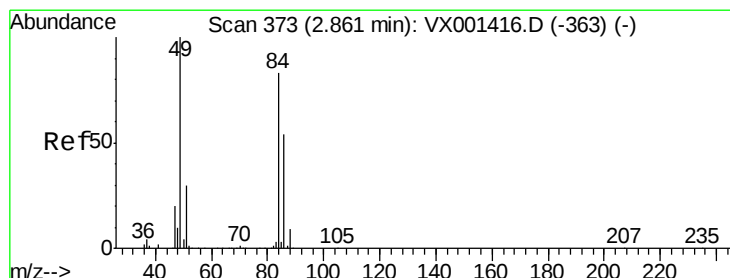
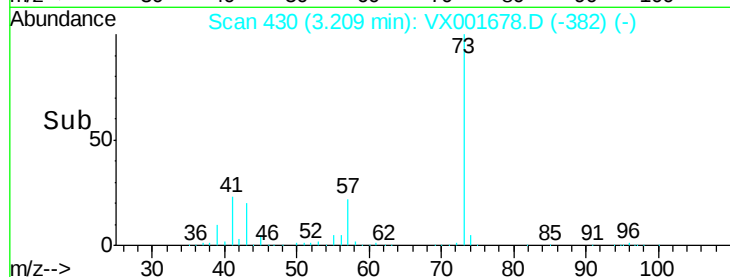
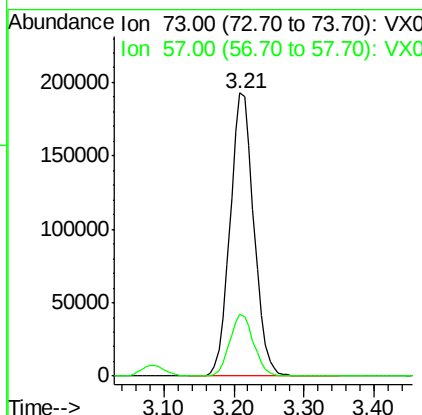
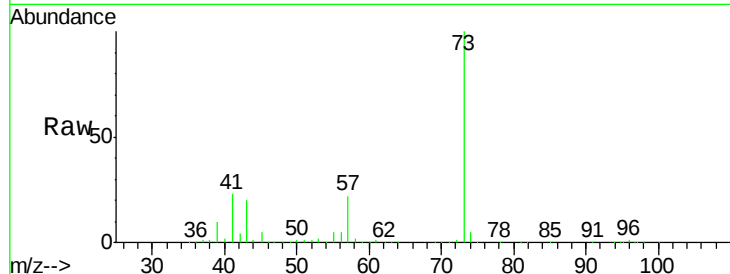
Methyl tert-butyl Ether
 Concen: 49.61 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.0	25.6

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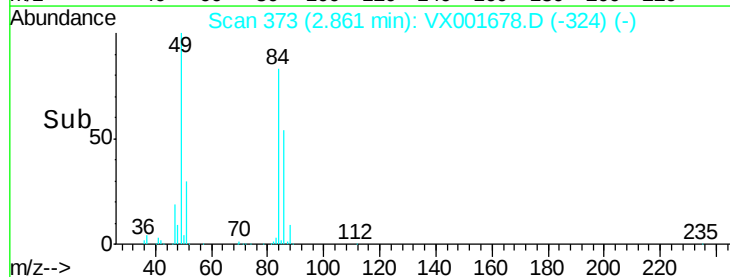
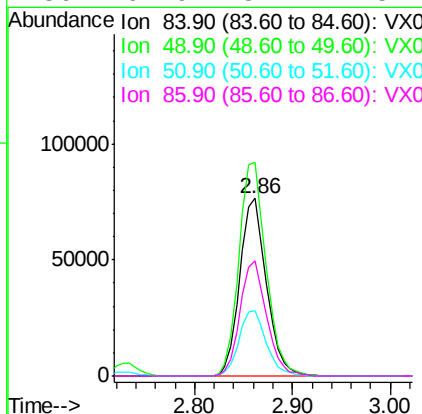
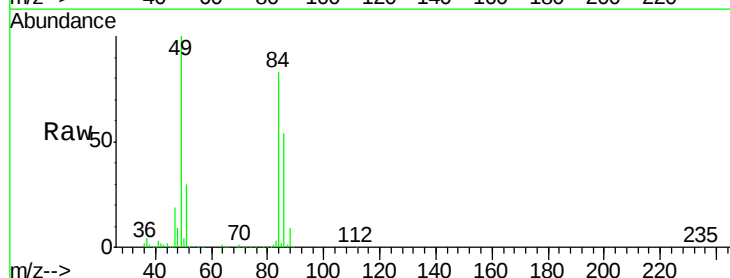
apatel
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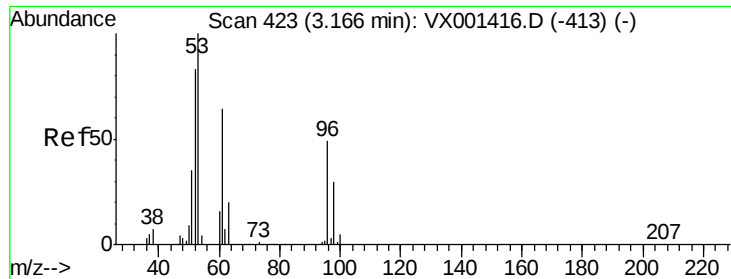


#20

Methylene Chloride
 Concen: 47.33 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	96.6	144.8
51	36.4	29.0	43.4
86	64.9	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 45.65 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

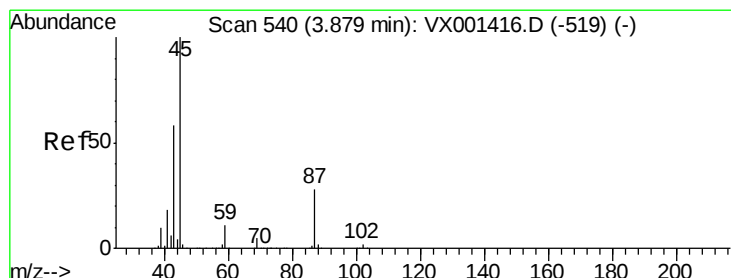
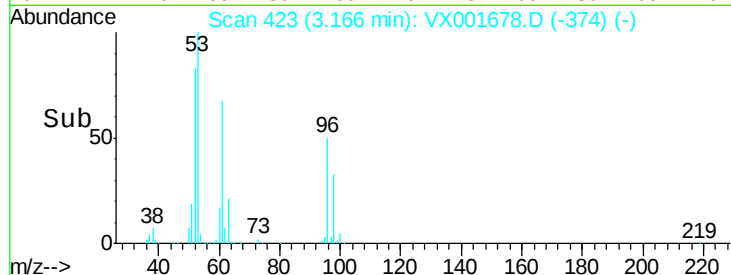
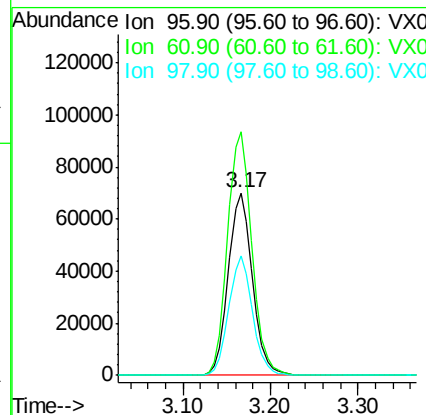
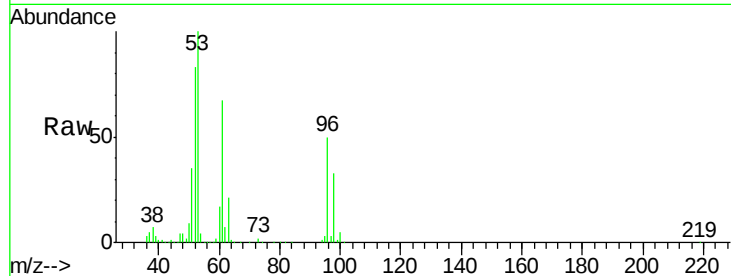
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	134162
Ion Ratio	Lower	Upper	
96	100		
61	133.2	105.0	157.4
98	65.4	49.9	74.9

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#22

Diisopropyl ether

Concen: 51.06 ug/l

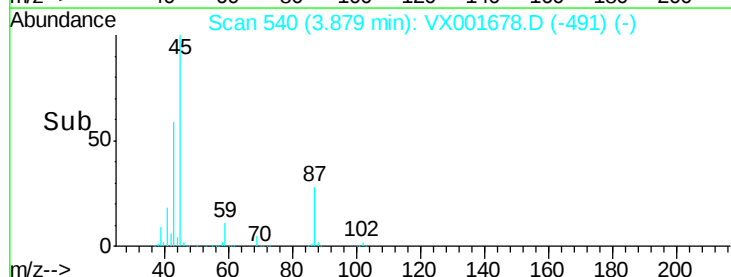
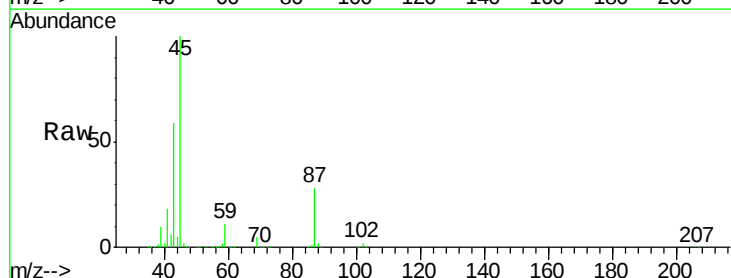
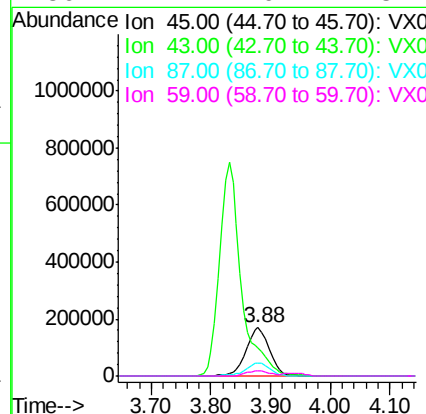
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	45	Resp:	468491
Ion Ratio	Lower	Upper	
45	100		
43	58.9	46.5	69.7
87	27.8	22.6	34.0
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 249.46 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1907400

Ion Ratio Lower Upper

43 100

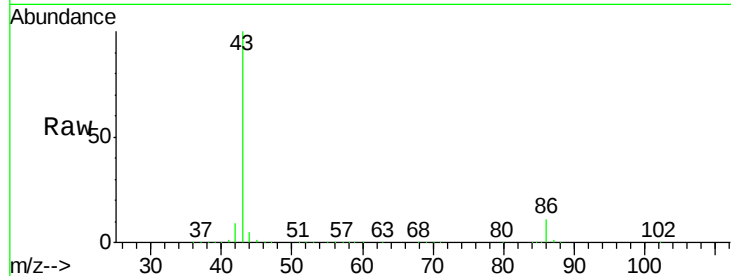
86 10.7 8.6 13.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

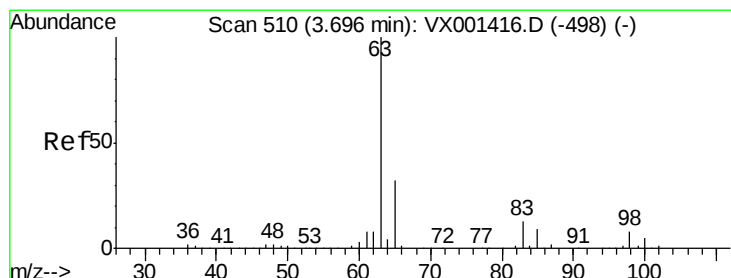
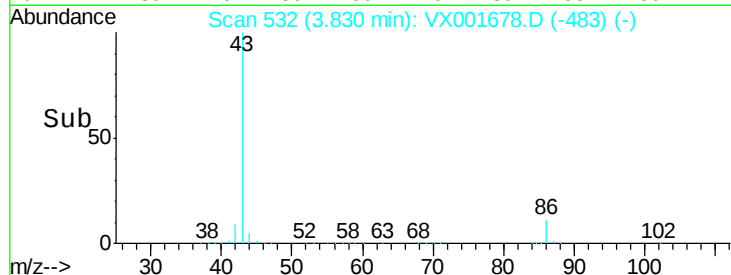
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.60 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

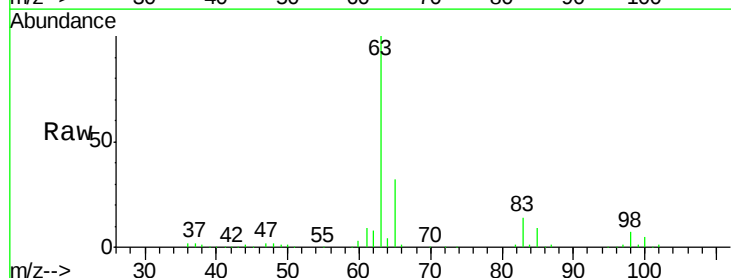
Tgt Ion: 63 Resp: 249057

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.8 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

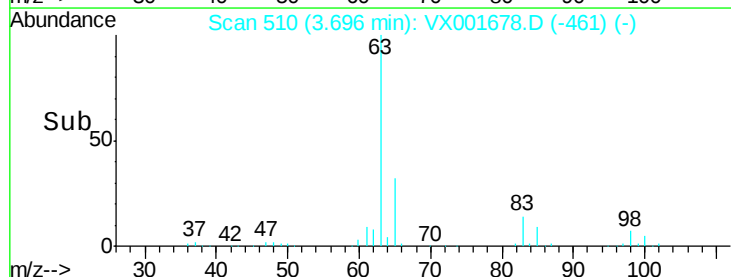
3.70

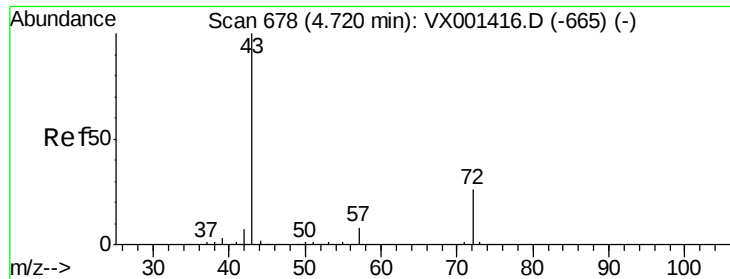
100000

50000

0

Time-->





#25

2-Butanone

Concen: 243.63 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 547041

Ion Ratio Lower Upper

43 100

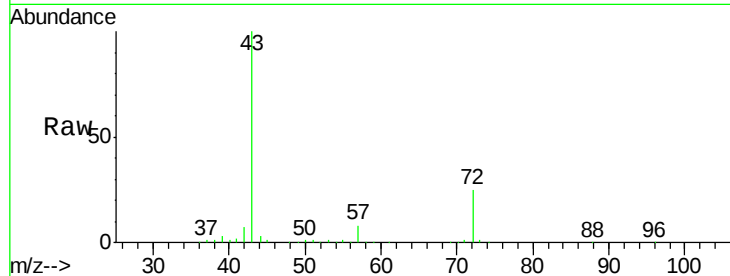
72 25.0 20.7 31.1

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

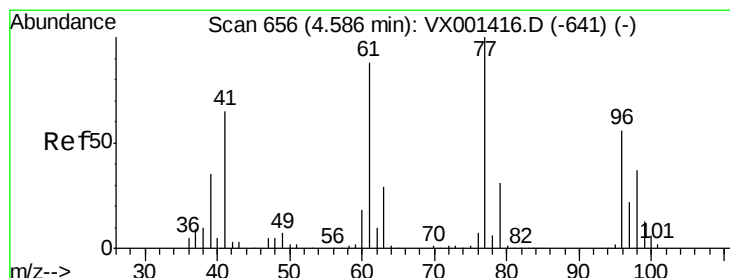
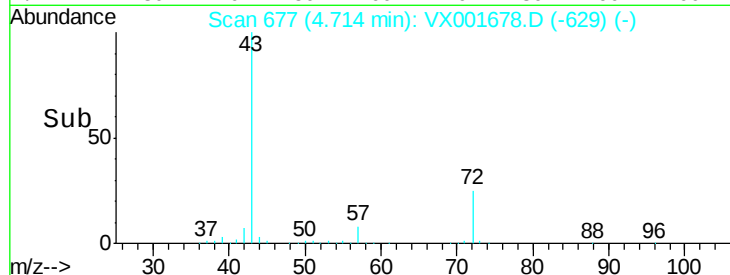
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.38 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001678.D

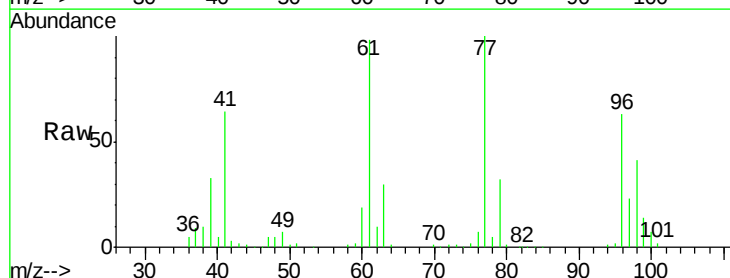
Acq: 12 May 2018 20:16

Tgt Ion: 77 Resp: 183552

Ion Ratio Lower Upper

77 100

97 23.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

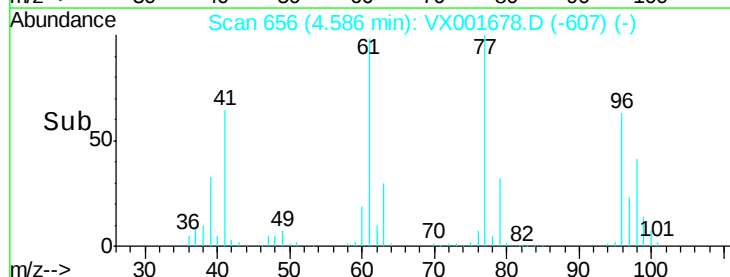
40000

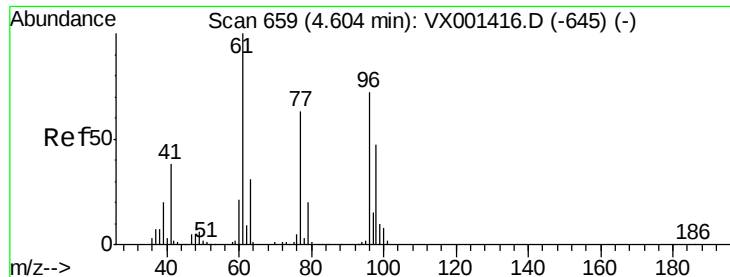
20000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

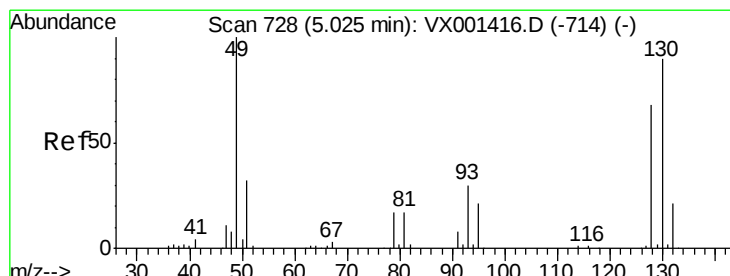
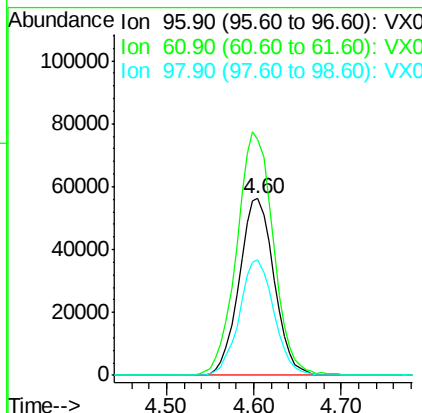
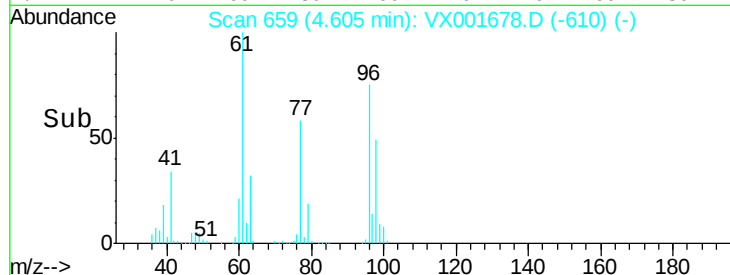
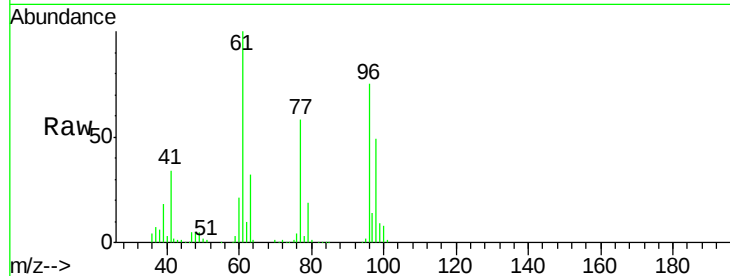
cis-1,2-Dichloroethene
Concen: 49.79 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	155859		
61	144.8	0.0	301.6	
98	65.0	0.0	131.6	

Manual Integrations
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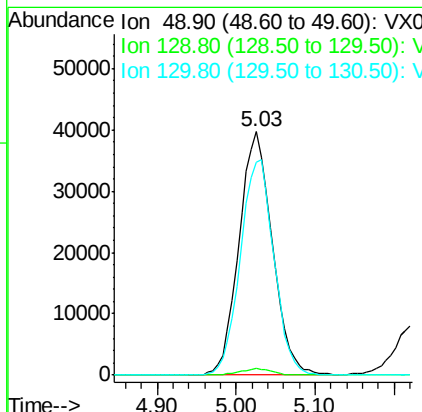
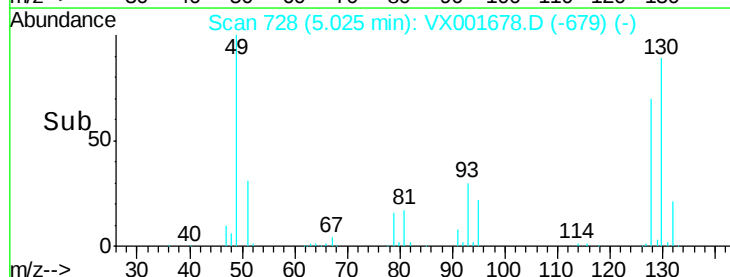
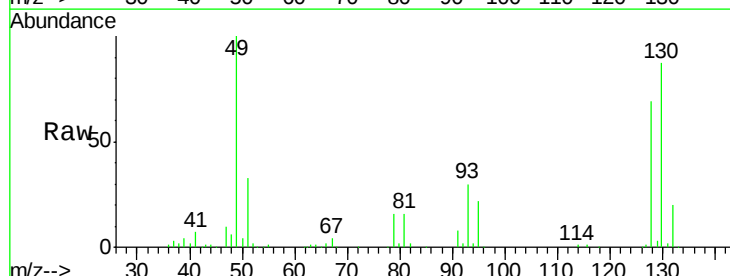
apatel
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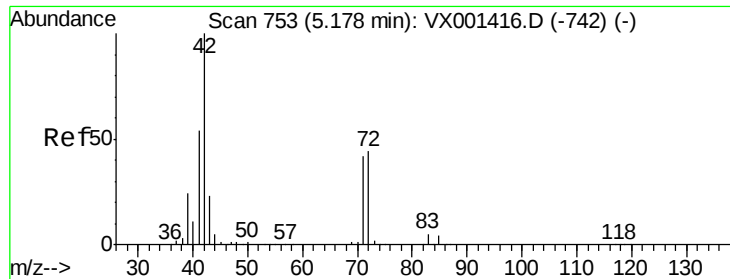


#28

Bromochloromethane
Concen: 52.64 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116970		
129	2.5	0.0	4.8	
130	89.1	71.9	107.9	





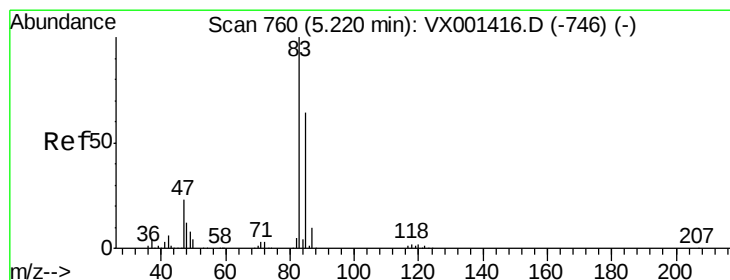
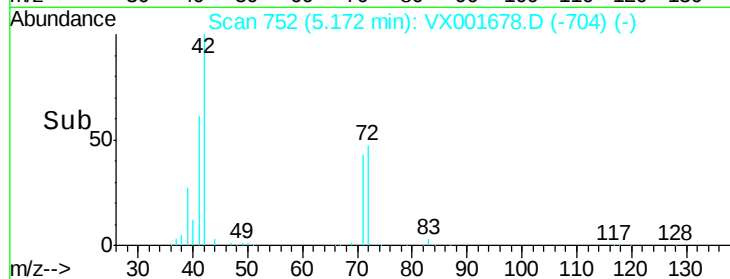
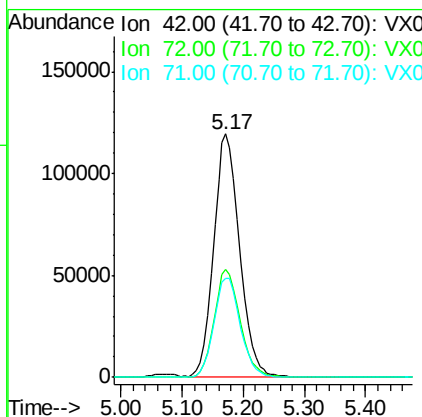
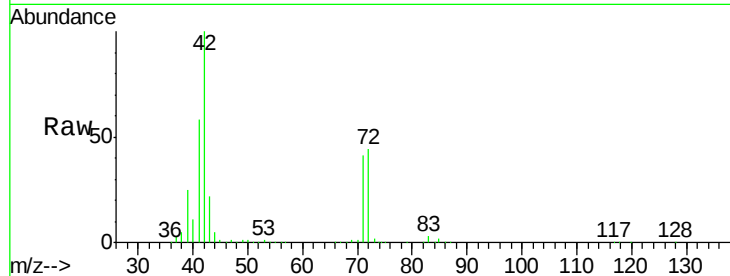
#29
Tetrahydrofuran
Concen: 245.40 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.4	53.2
71	41.9	33.0	49.4

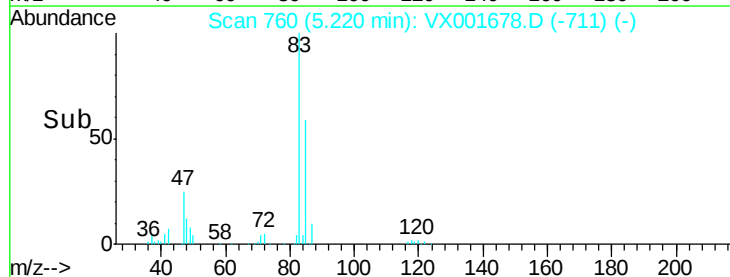
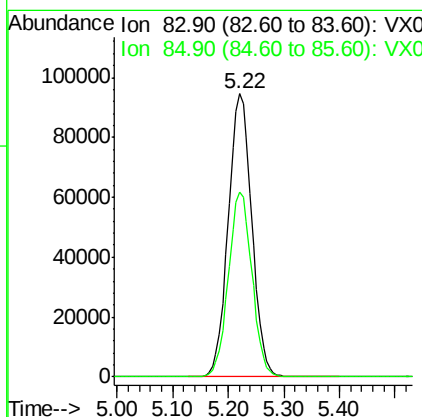
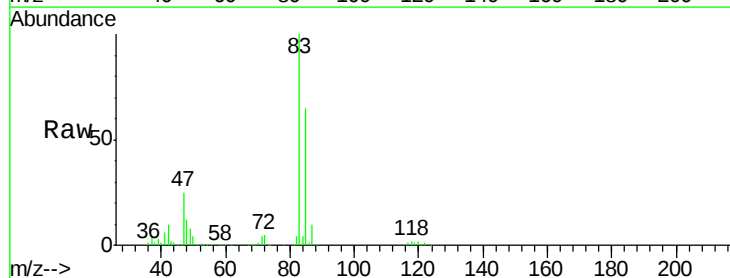
Manual Integrations
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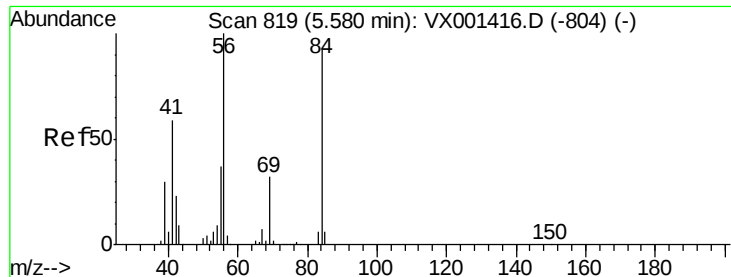
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#30
Chloroform
Concen: 52.40 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.4





#31

Cyclohexane

Concen: 47.74 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

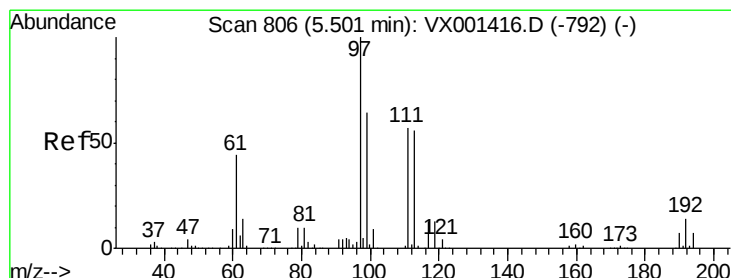
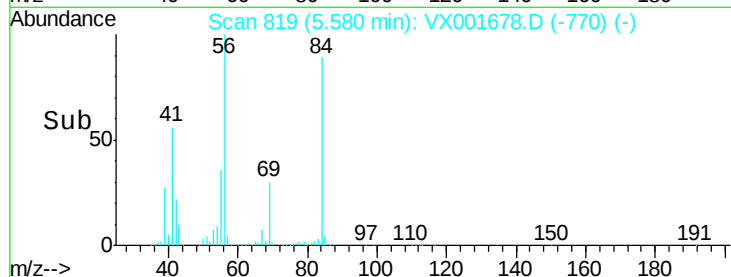
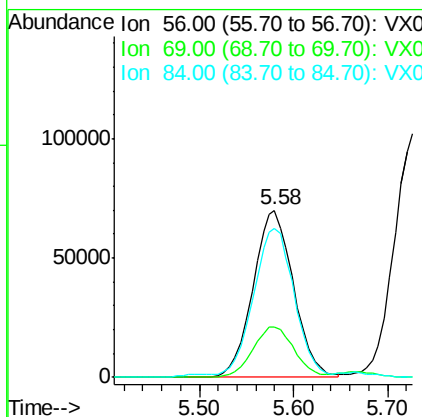
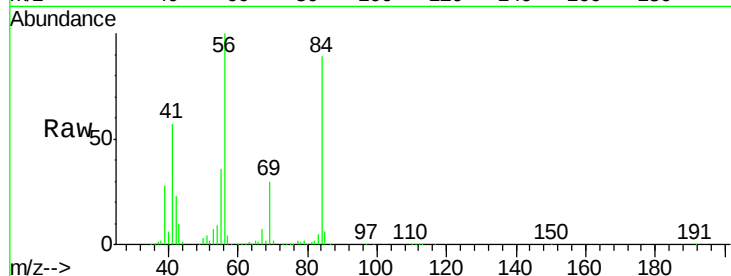
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	210131
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.4	38.0
84	87.9	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.51 ug/l

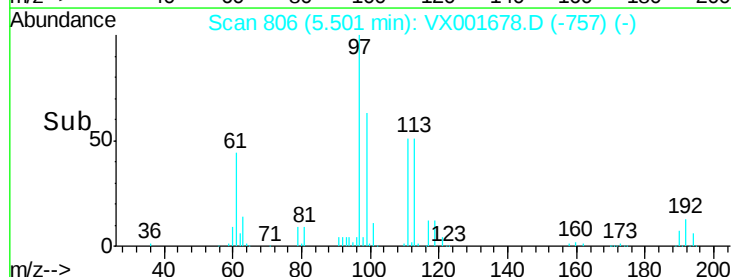
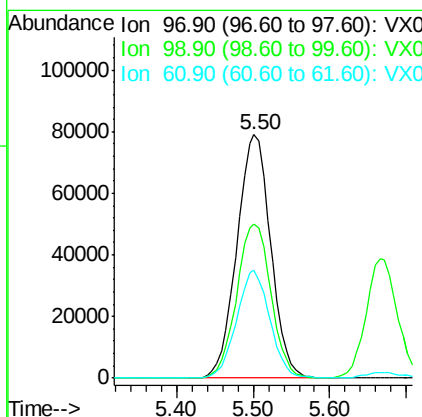
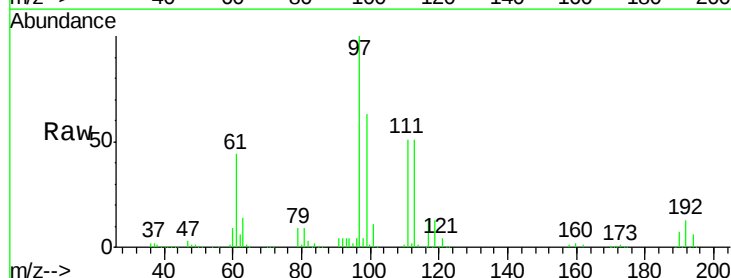
RT: 5.50 min Scan# 806

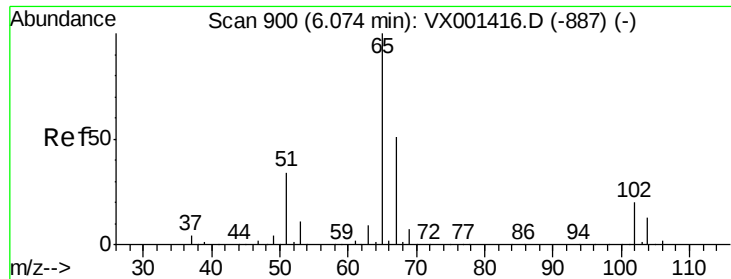
Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	97	Resp:	242280
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	43.5	34.8	52.2





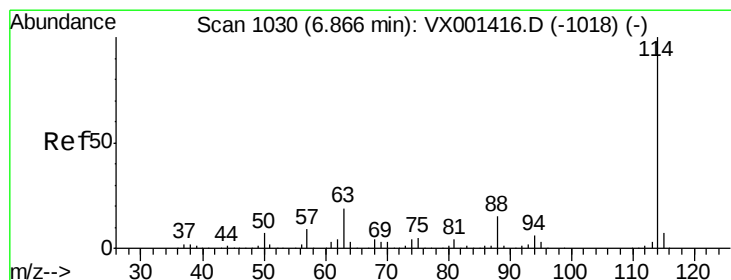
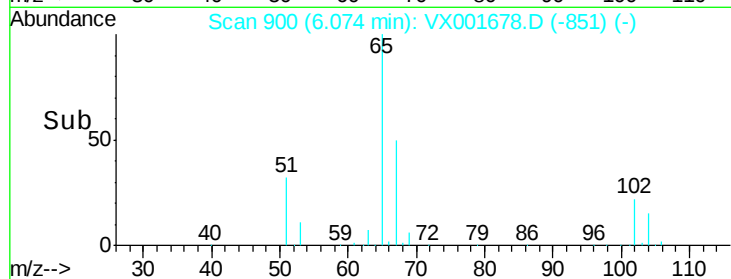
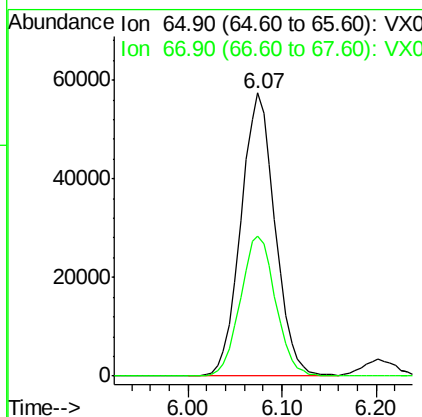
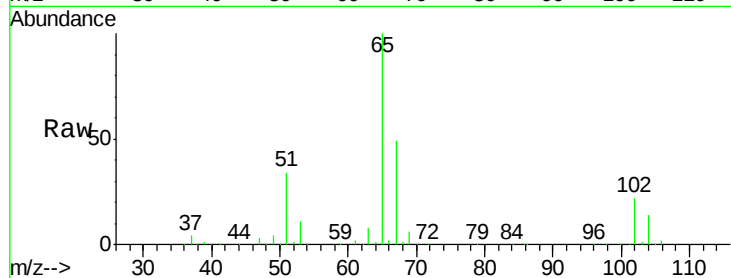
#33
 1,2-Dichloroethane-d4
 Concen: 42.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.8

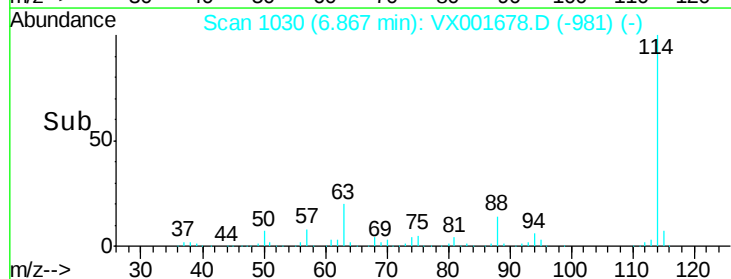
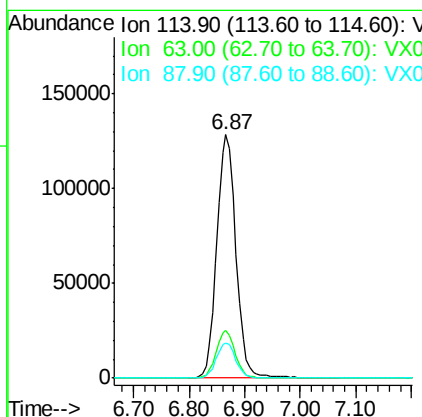
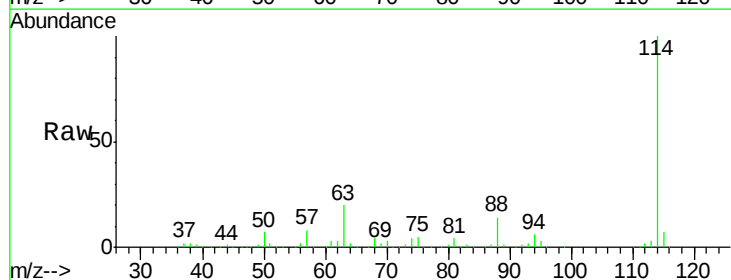
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.6
88	14.3	0.0	30.8





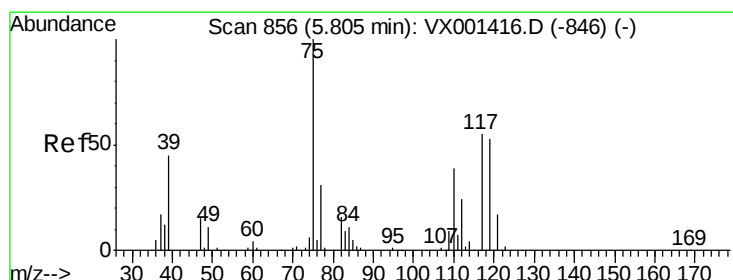
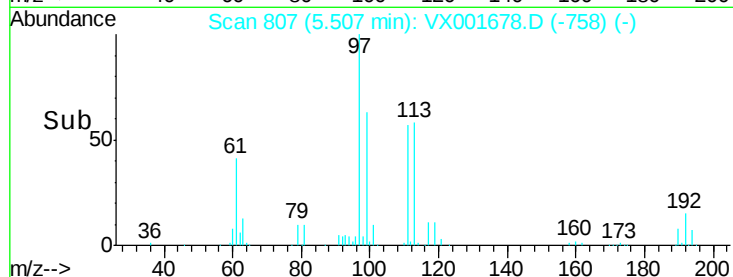
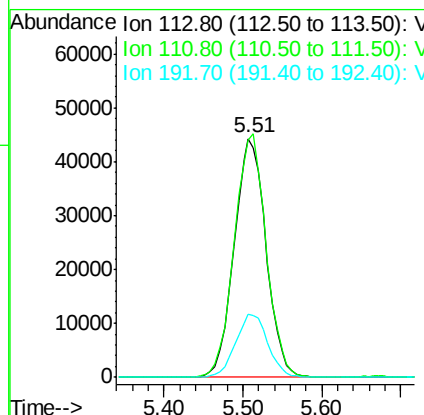
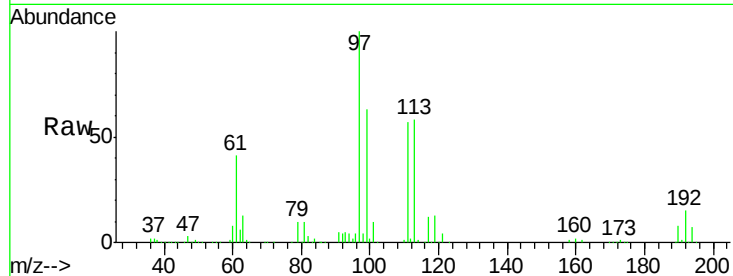
#35
 Dibromofluoromethane
 Concen: 45.63 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124516		
111	101.8	82.2	123.2	
192	26.7	21.4	32.0	

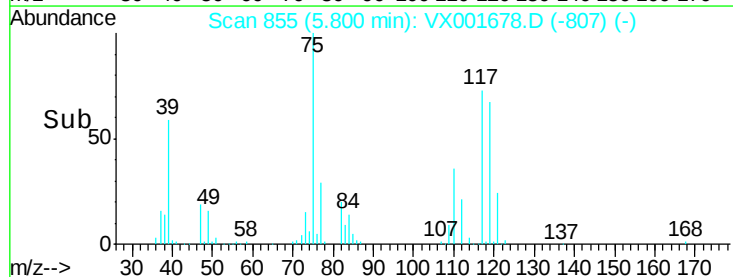
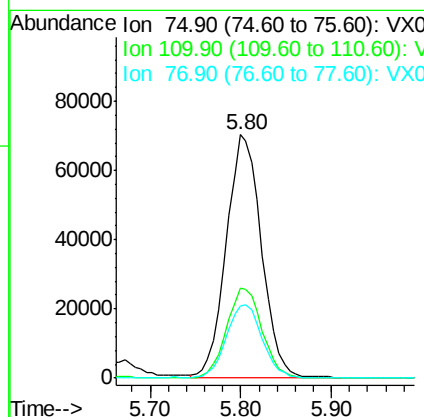
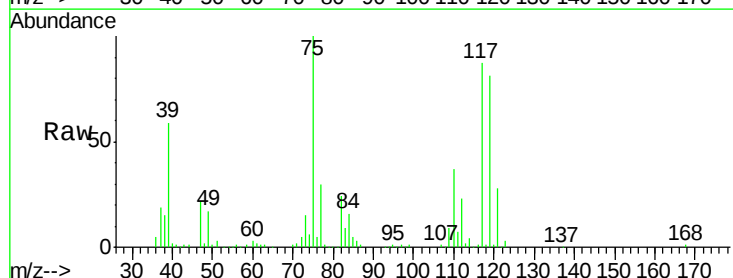
Manual Integrations
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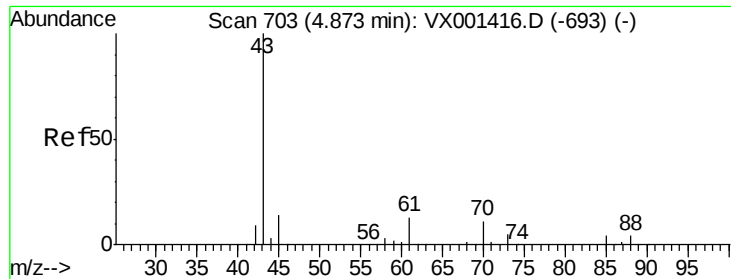
apatel
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#36
 1,1-Dichloropropene
 Concen: 48.18 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	188018		
110	37.6	18.9	56.7	
77	31.0	24.9	37.3	





#37

Ethyl Acetate

Concen: 48.68 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

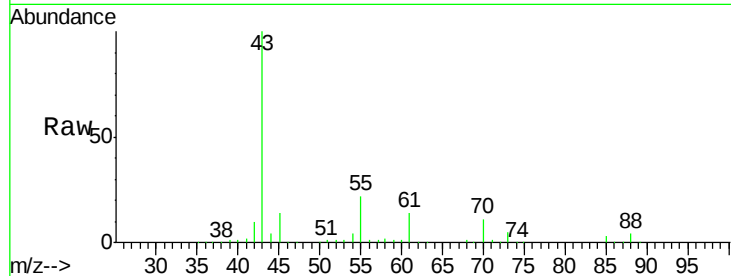
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	208223
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.8	8.4	12.6

Manual Integrations
APPROVED

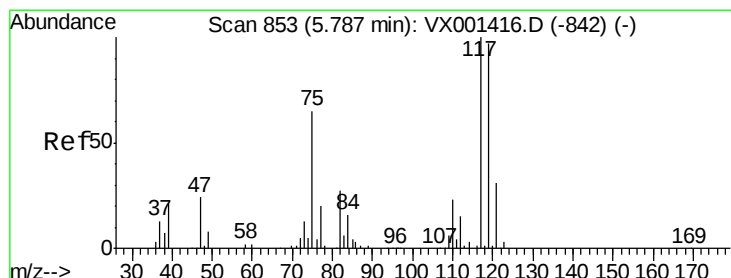
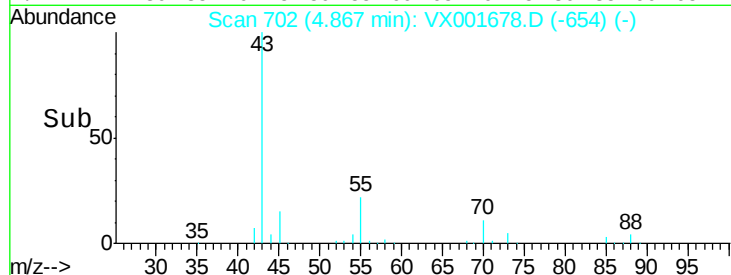
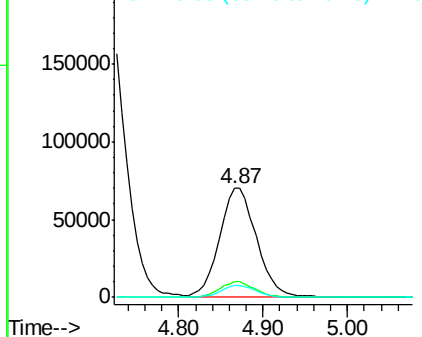
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Abundance Ion 43.00 (42.70 to 43.70): VX001416.D (-693) (-)

Ion 60.90 (60.60 to 61.60): VX001416.D (-693) (-)

Ion 70.00 (69.70 to 70.70): VX001416.D (-693) (-)



#38

Carbon Tetrachloride

Concen: 52.40 ug/l

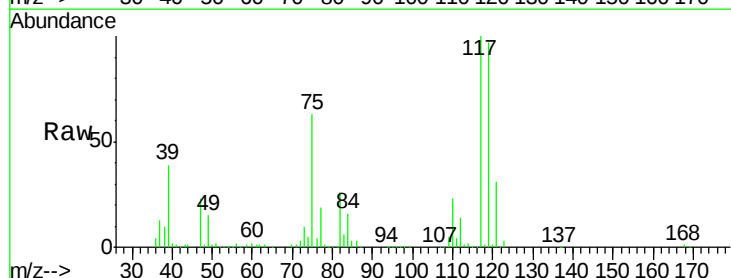
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

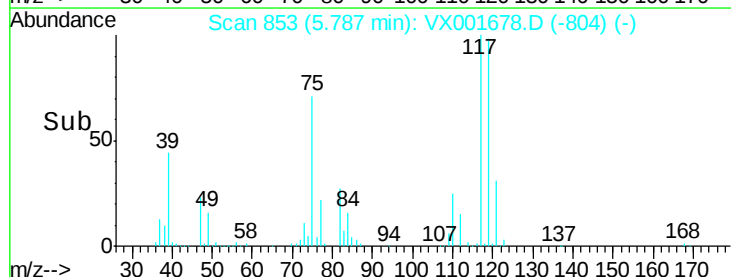
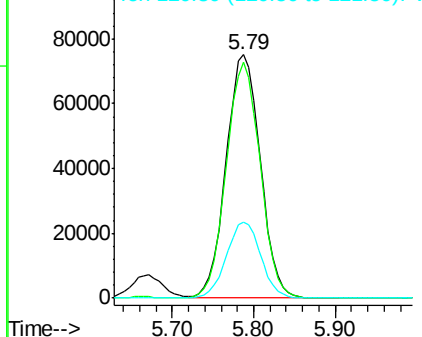
Tgt Ion:	117	Resp:	218069
Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.6
121	30.9	25.1	37.7

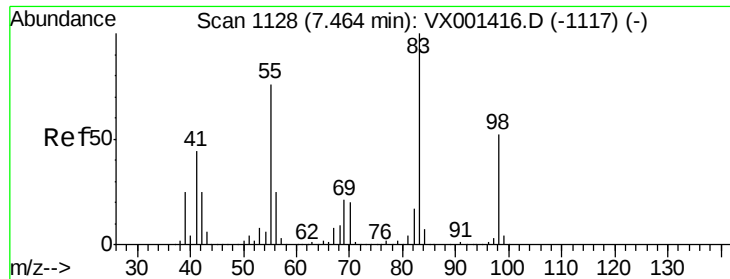


Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001416.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001416.D (-842) (-)





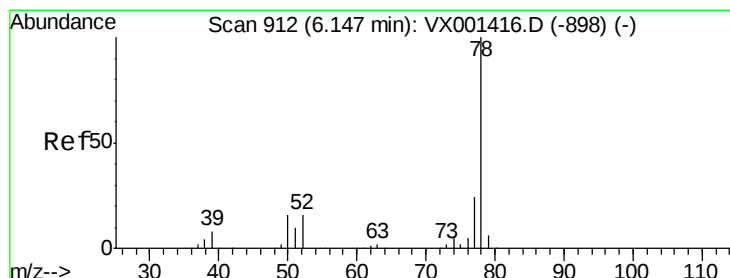
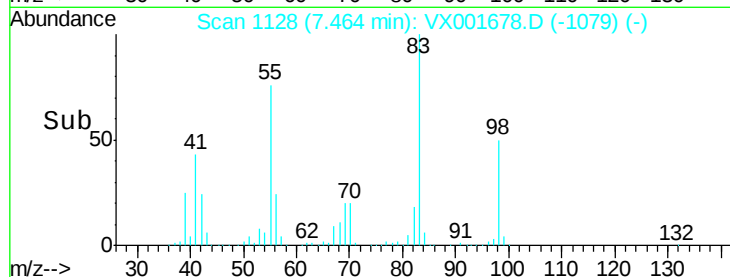
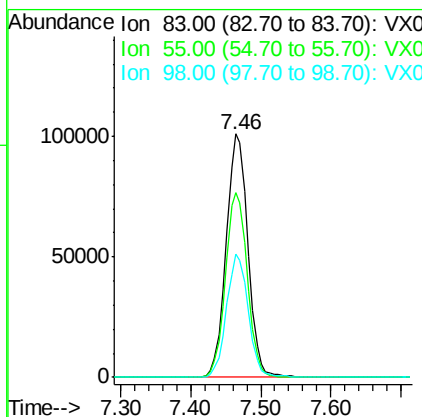
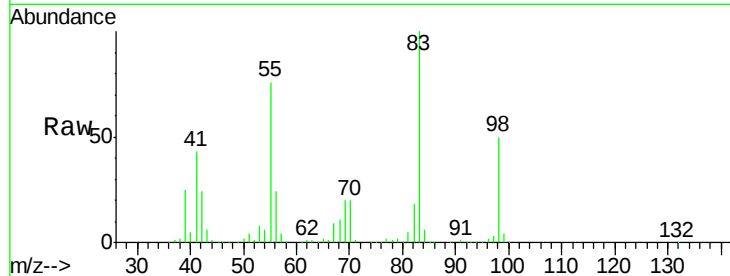
#39
Methvlcvclohexane
Concen: 47.24 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	217945		
55	75.9	60.9	91.3	
98	50.5	41.9	62.9	

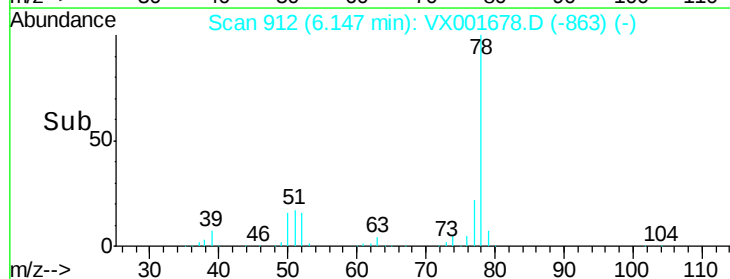
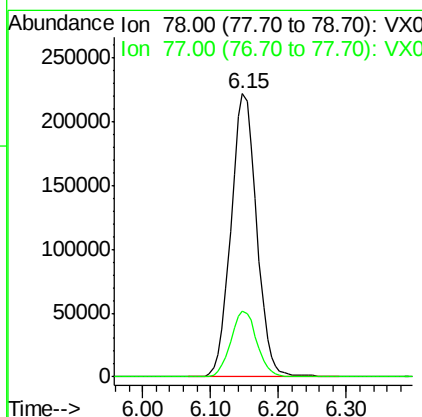
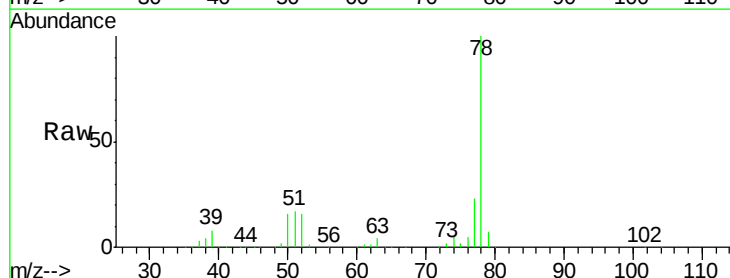
Manual Integrations
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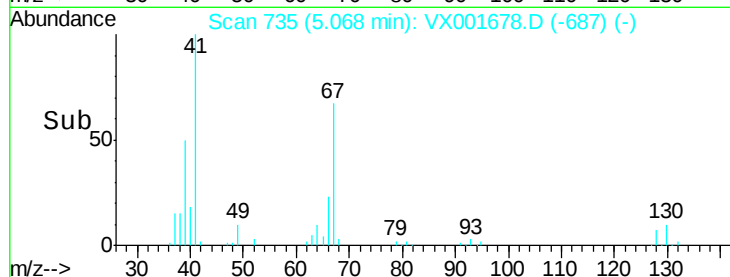
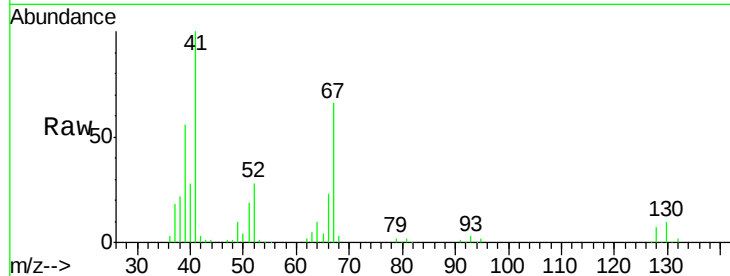
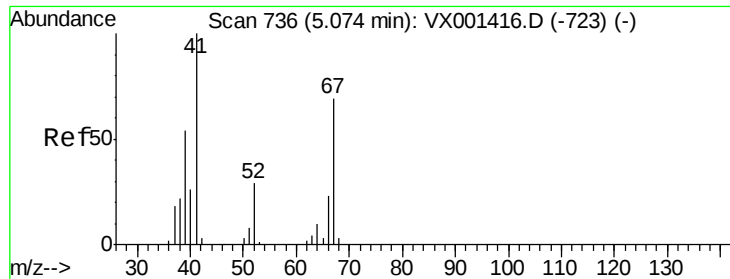
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#40
Benzene
Concen: 51.03 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	581659		
77	23.1	19.4	29.2	





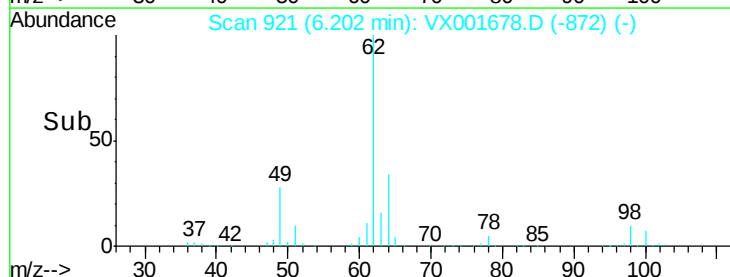
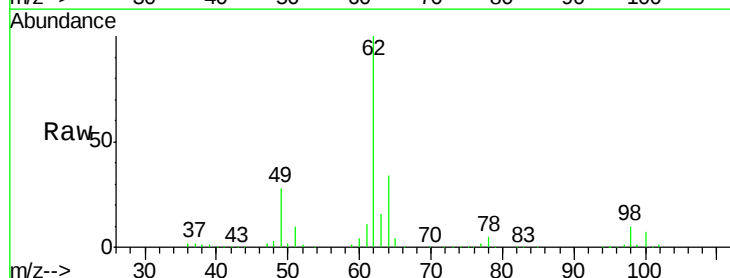
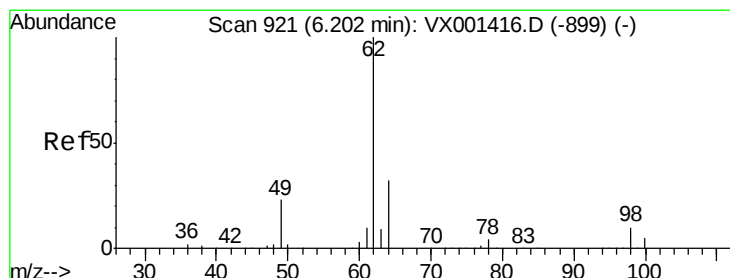
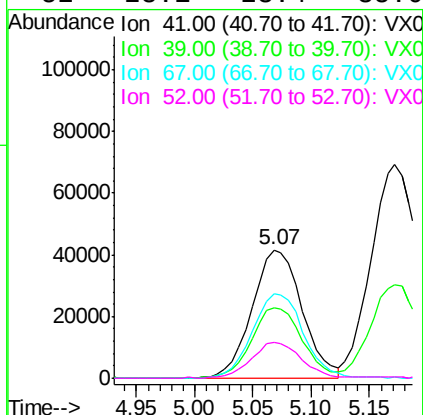
#41
Methacrylonitrile
Concen: 50.47 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tot Ion	41	Resp	123512
Ion Ratio	Lower	Upper	
41	100		
39	55.5	45.0	67.6
67	67.8	55.0	82.6
52	28.1	23.4	35.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

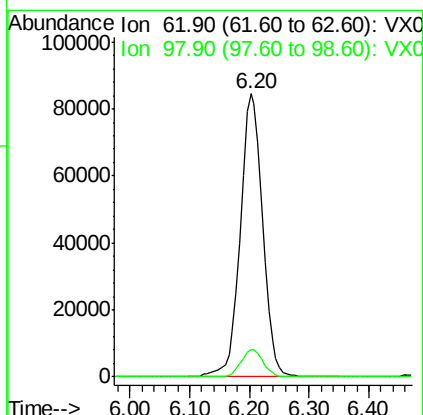
Manual Integrations
APPROVED

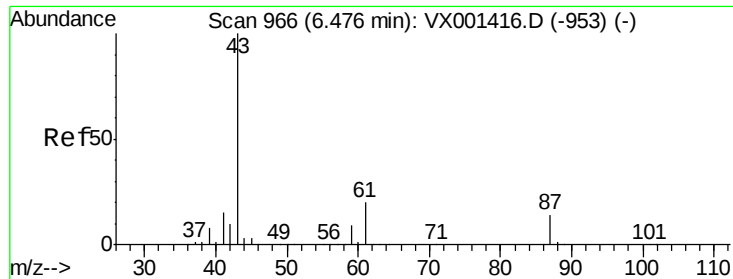
apatel
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#42
1,2-Dichloroethane
Concen: 50.50 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	62	Resp	221236
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	19.0





#43

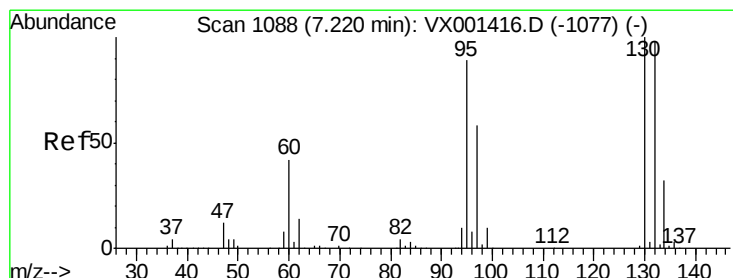
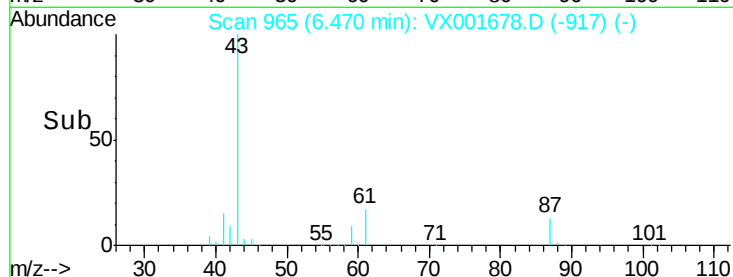
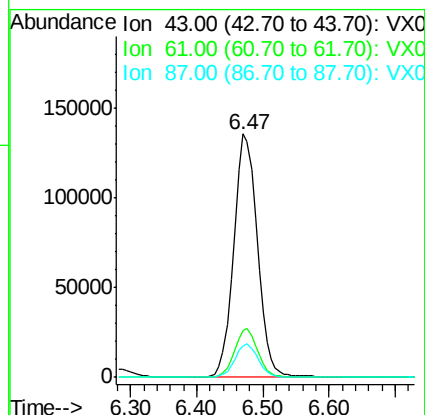
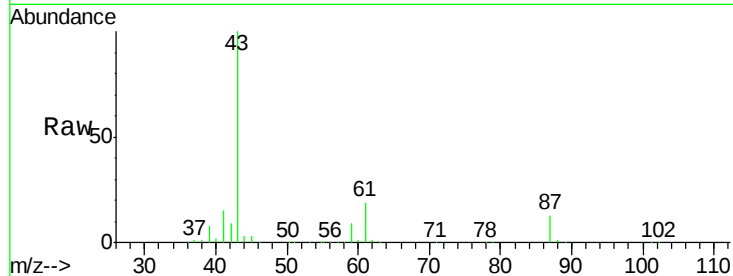
Isopropyl Acetate
 Concen: 51.06 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.0
87	13.4	10.8	16.2

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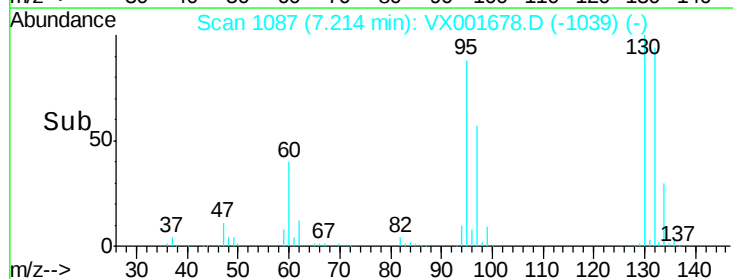
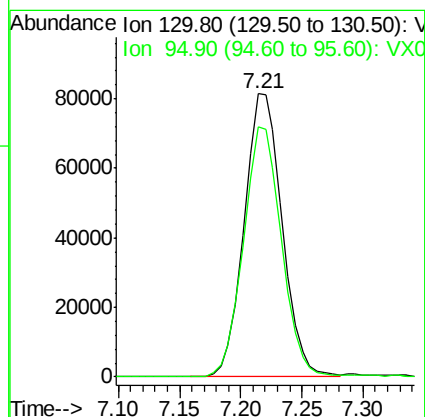
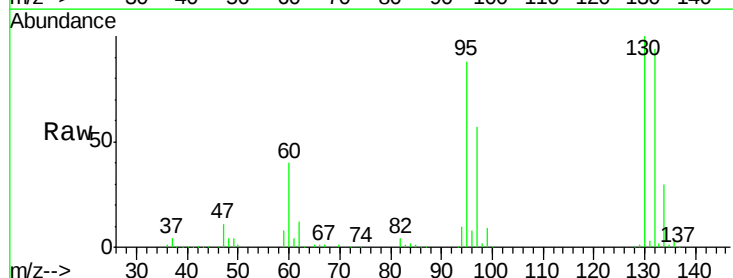
apatel
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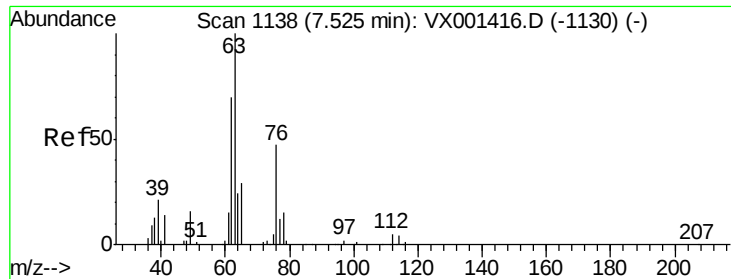


#44

Trichloroethene
 Concen: 50.58 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	178.4





#45

1,2-Dichloropropane

Concen: 52.02 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 147809

Ion Ratio Lower Upper

63 100

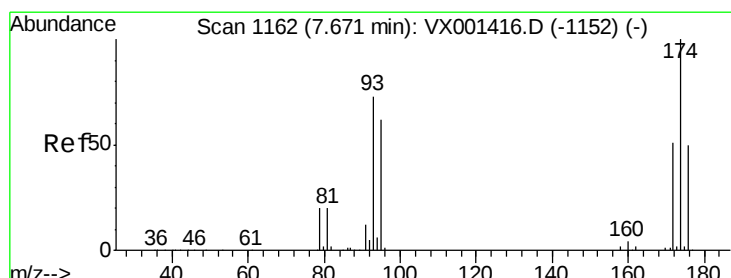
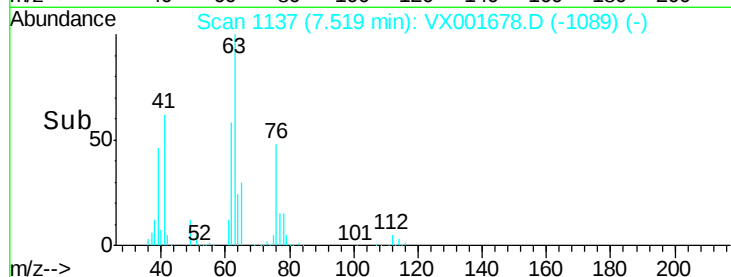
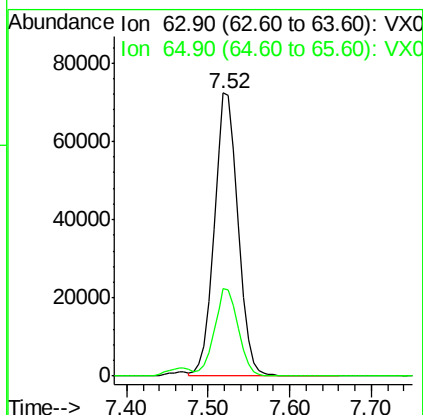
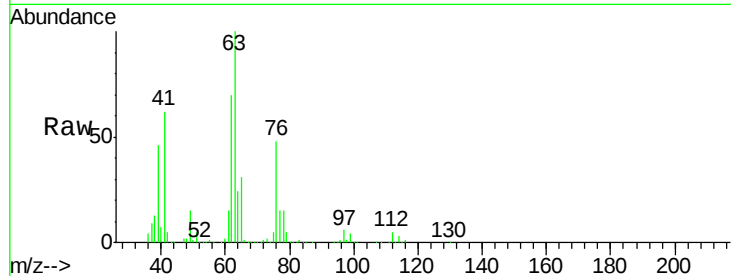
65 30.8 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 50.50 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

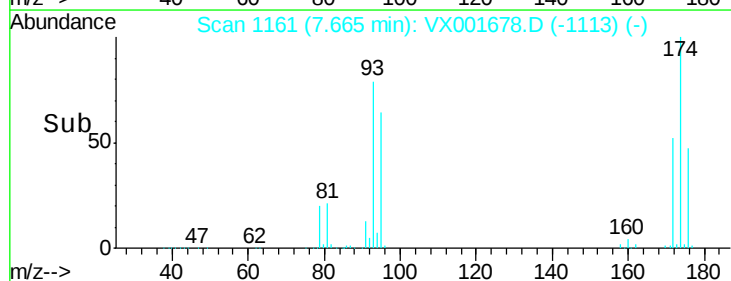
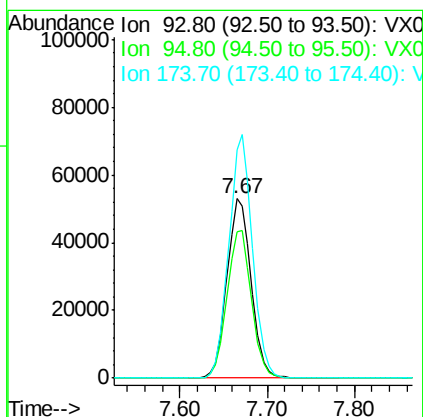
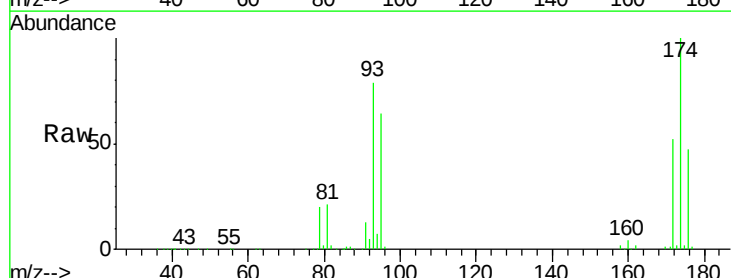
Tgt Ion: 93 Resp: 101585

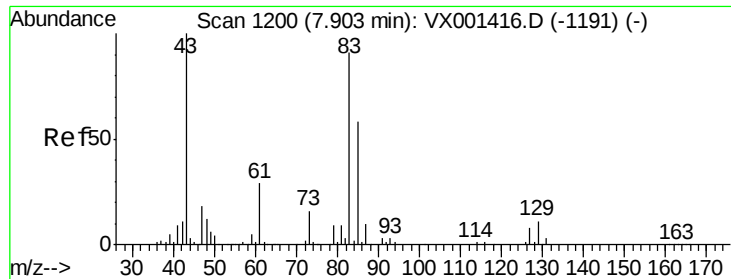
Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.4

174 133.0 104.5 156.7





#47

Bromodichloromethane

Concen: 54.77 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

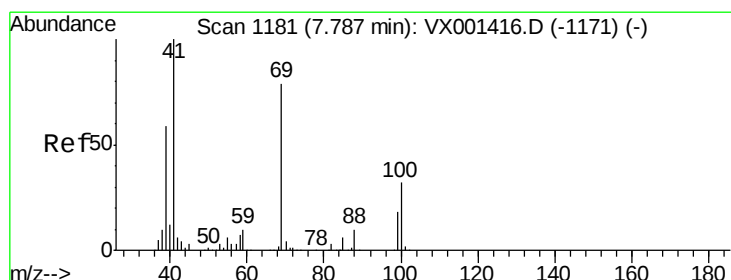
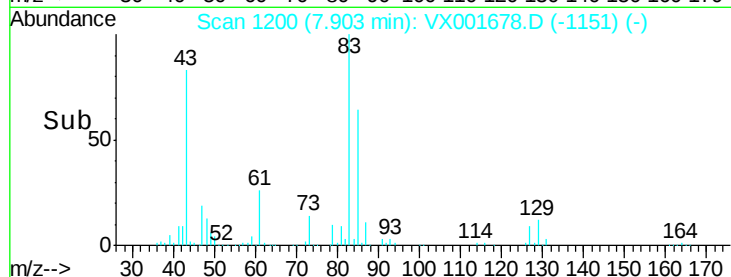
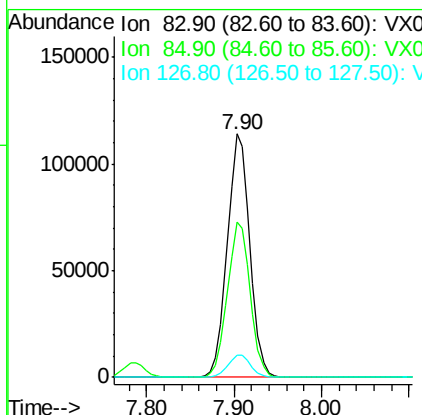
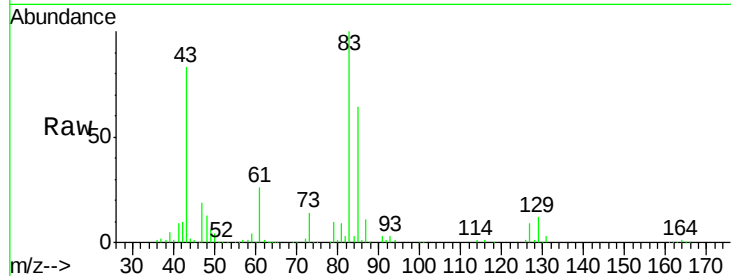
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	203891
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.0	76.6
127	9.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.74 ug/l

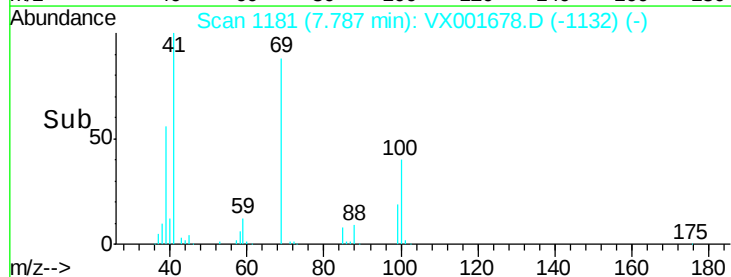
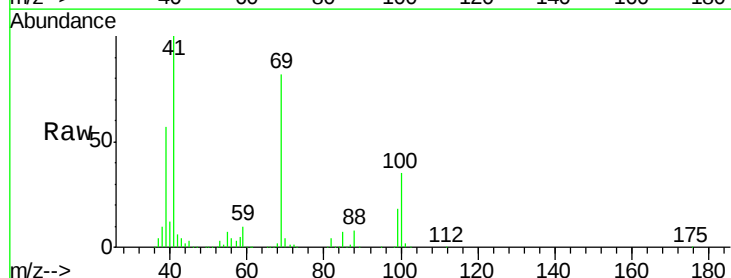
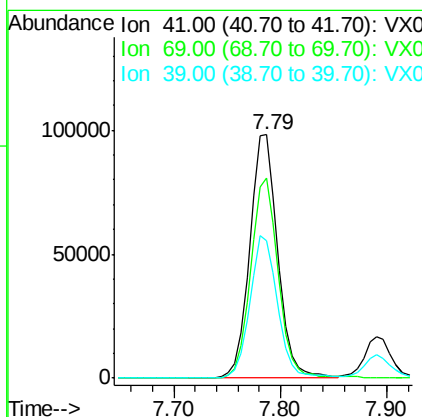
RT: 7.79 min Scan# 1181

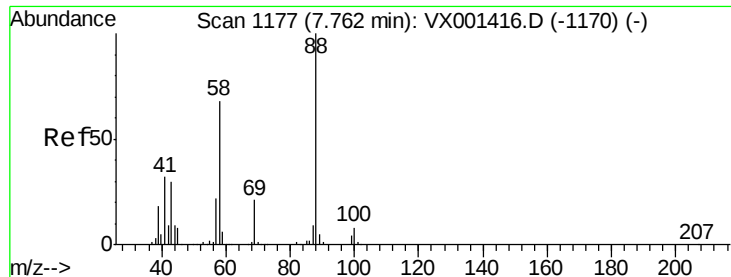
Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	41	Resp:	181441
Ion Ratio	Lower	Upper	
41	100		
69	81.2	63.4	95.2
39	57.6	47.0	70.4





#49

1,4-Dioxane

Concen: 988.89 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

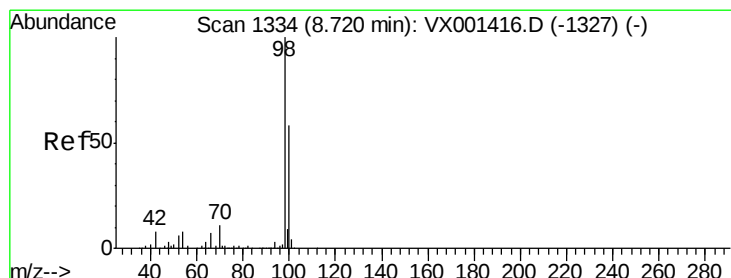
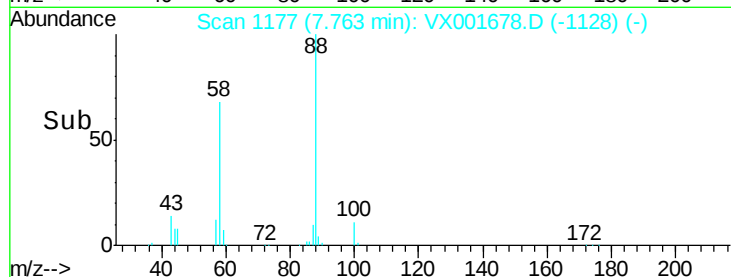
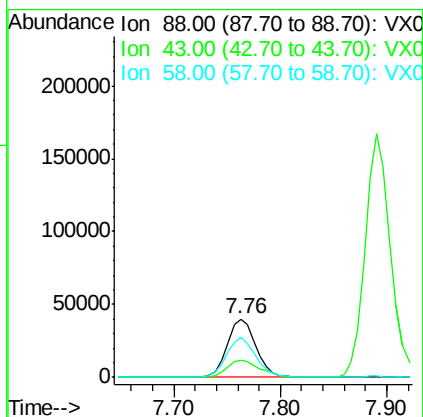
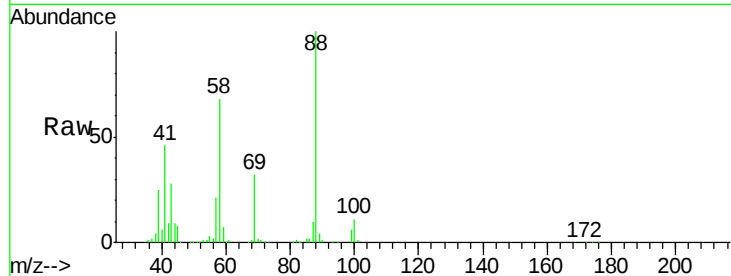
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	76394
Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.4	39.6
58	69.7	54.1	81.1

Manual Integrations
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#50

Toluene-d8

Concen: 43.83 ug/l

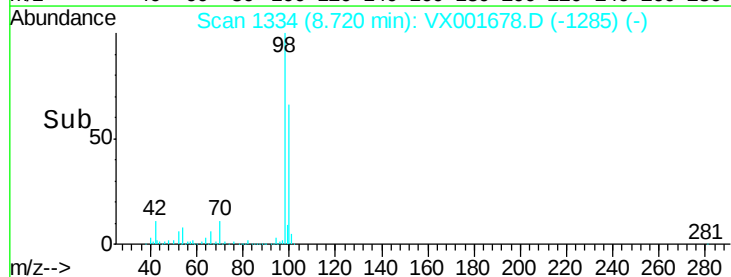
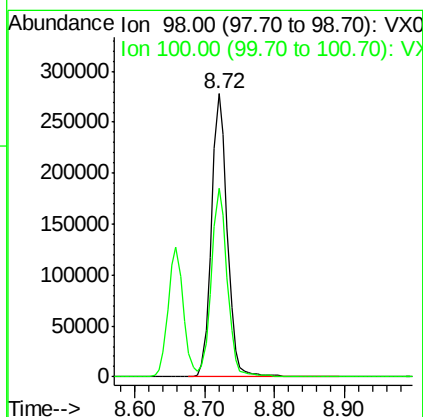
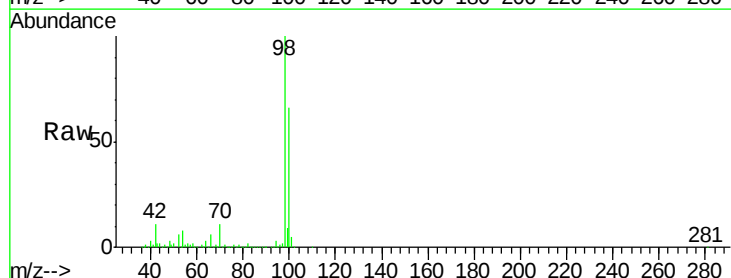
RT: 8.72 min Scan# 1334

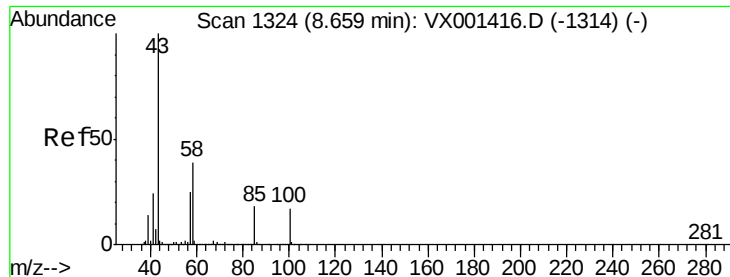
Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	98	Resp:	436517
Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 260.67 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1137468

Ion Ratio Lower Upper

43 100

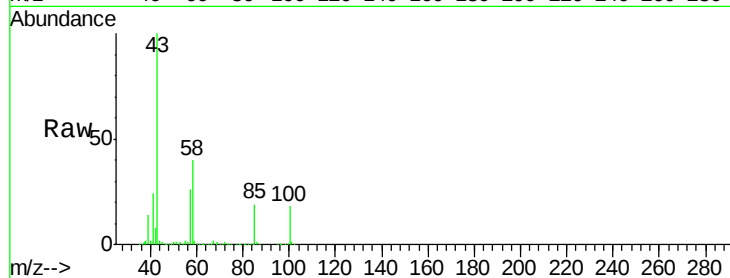
58 38.8 30.8 46.2

Manual Integrations

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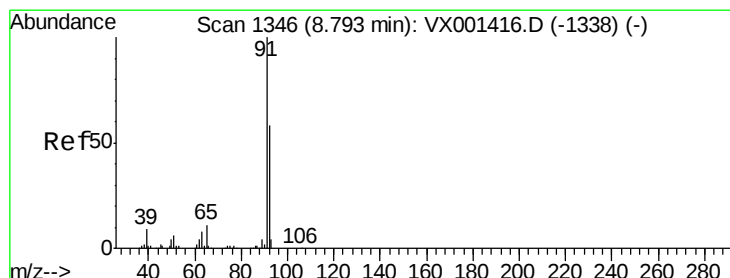
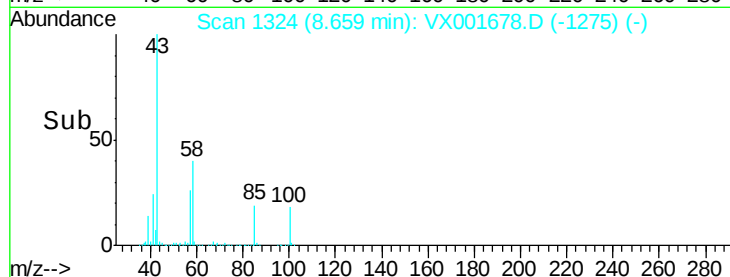
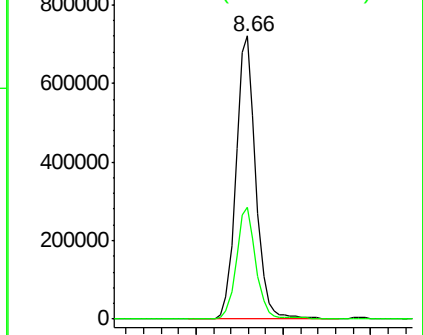
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001678.D

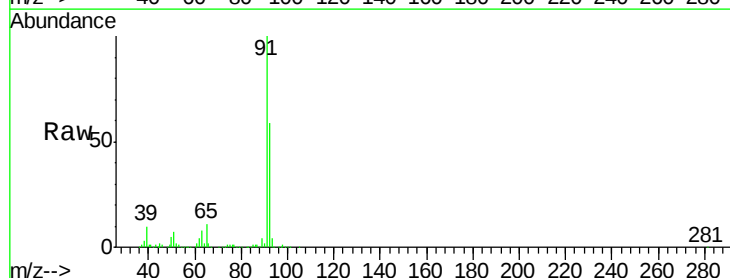
Acq: 12 May 2018 20:16

Tgt Ion: 92 Resp: 388462

Ion Ratio Lower Upper

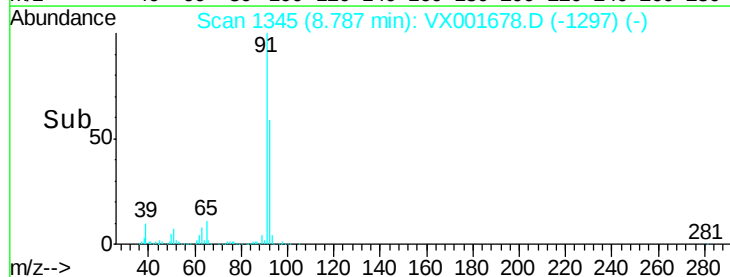
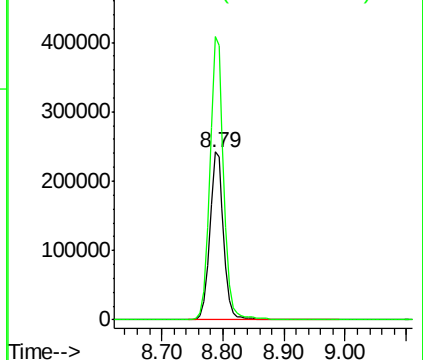
92 100

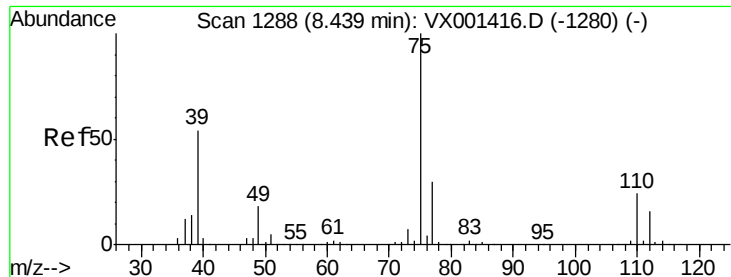
91 168.8 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





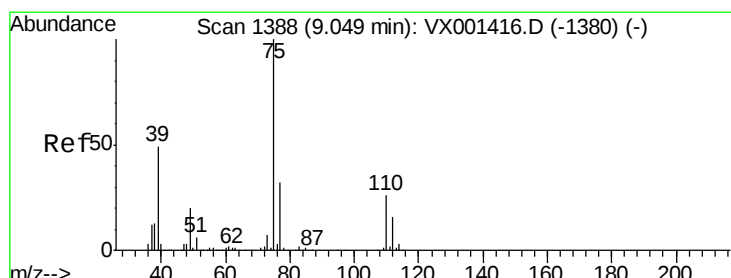
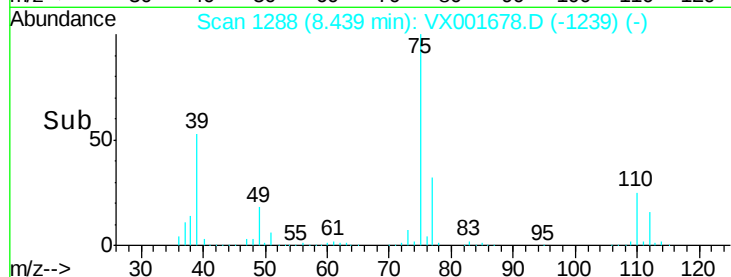
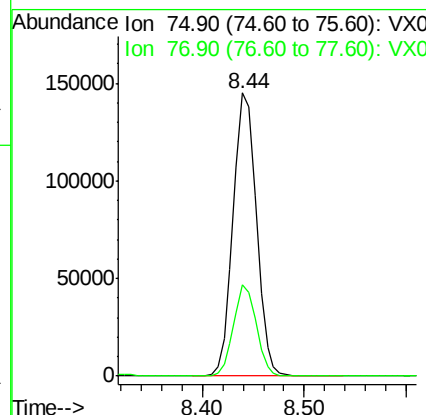
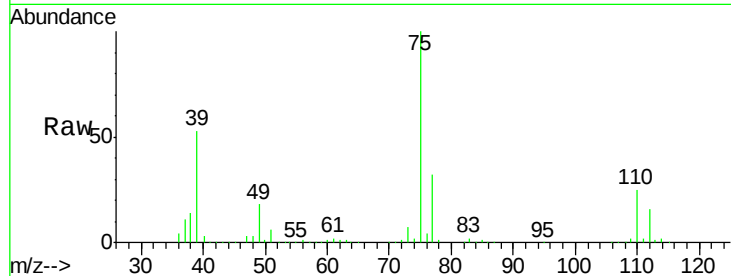
#53
t-1,3-Dichloropropene
Concen: 54.61 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100	229750		
77	32.4	24.2	36.4	

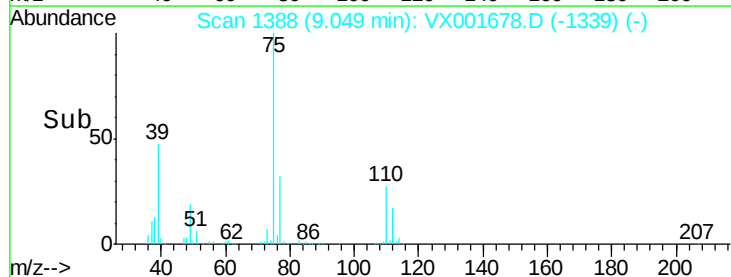
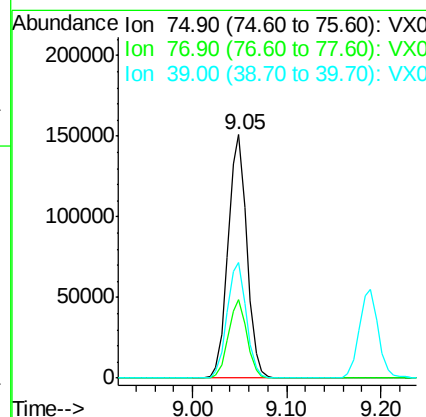
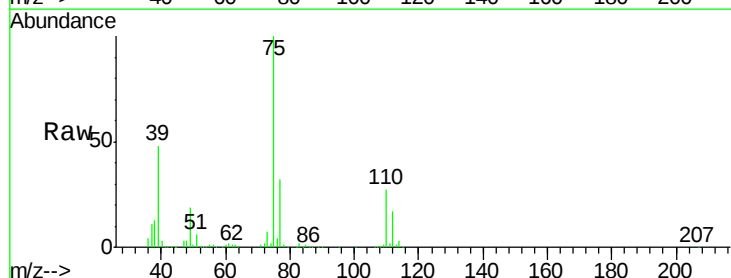
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#54
cis-1,3-Dichloropropene
Concen: 48.06 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	208644		
77	32.5	25.5	38.3	
39	47.7	38.9	58.3	





#55

1,1,2-Trichloroethane

Concen: 51.57 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

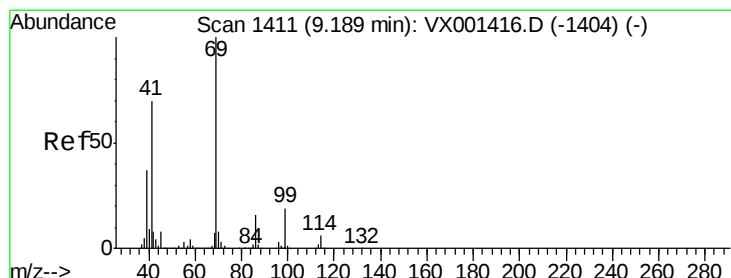
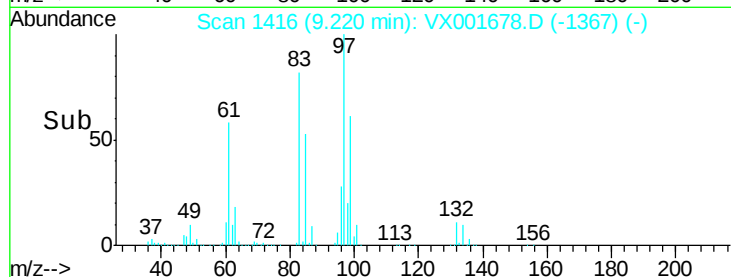
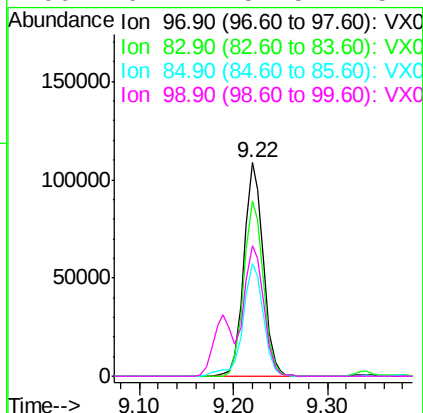
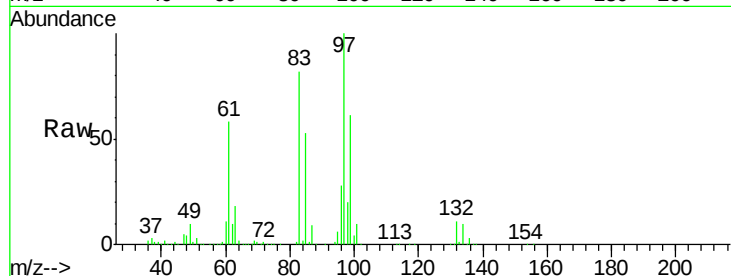
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	154835
Ion Ratio	Lower	Upper	
97	100		
83	82.4	67.4	101.0
85	52.7	43.3	64.9
99	61.2	52.5	78.7

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#56

Ethyl methacrylate

Concen: 51.46 ug/l

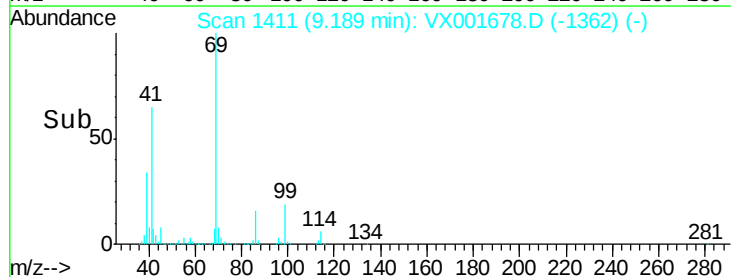
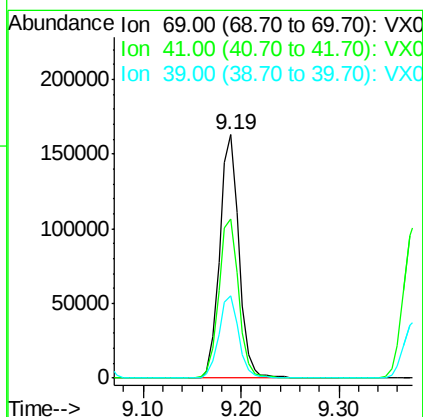
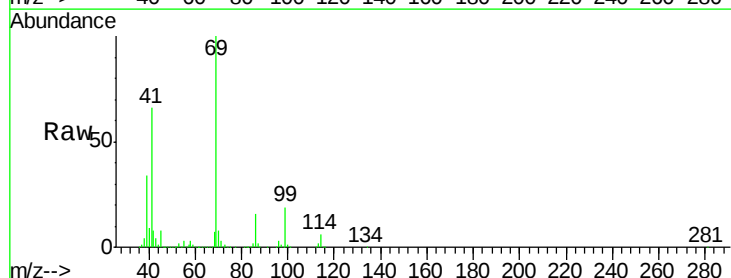
RT: 9.19 min Scan# 1411

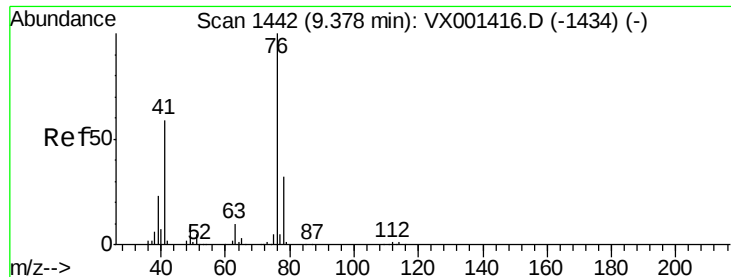
Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	69	Resp:	222718
Ion Ratio	Lower	Upper	
69	100		
41	67.1	55.1	82.7
39	34.7	29.9	44.9





#57

1,3-Dichloropropane

Concen: 50.96 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 253000

Ion Ratio Lower Upper

76 100

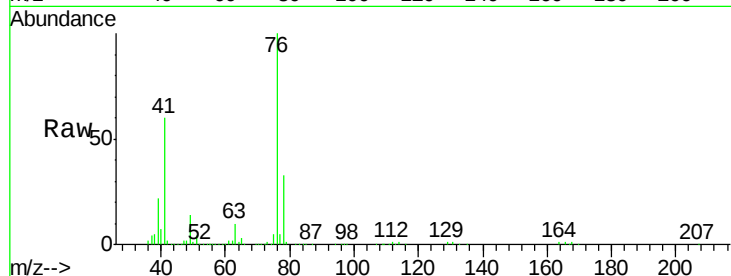
78 32.2 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

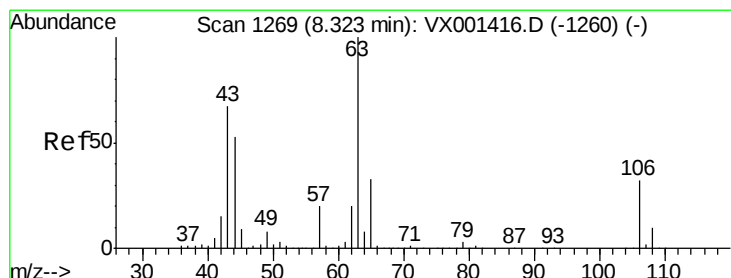
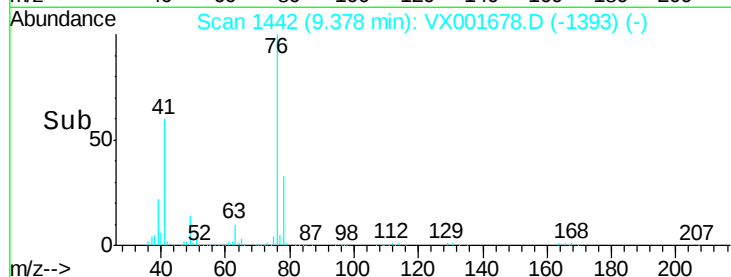
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 267.32 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001678.D

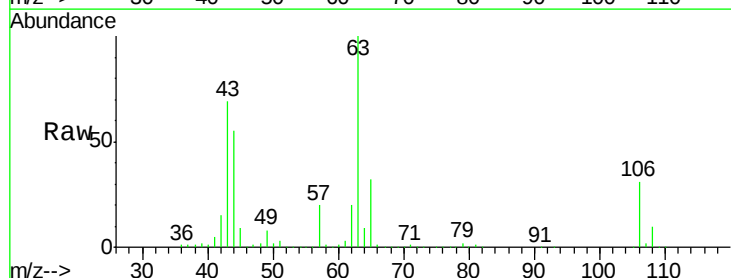
Acq: 12 May 2018 20:16

Tgt Ion: 63 Resp: 567497

Ion Ratio Lower Upper

63 100

106 31.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

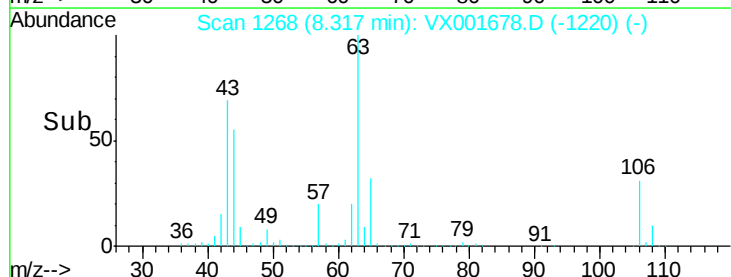
300000

200000

100000

0

Time-->





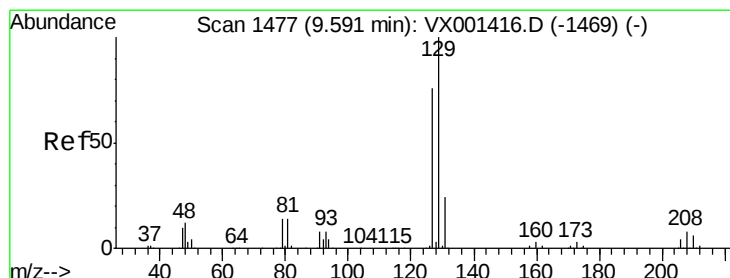
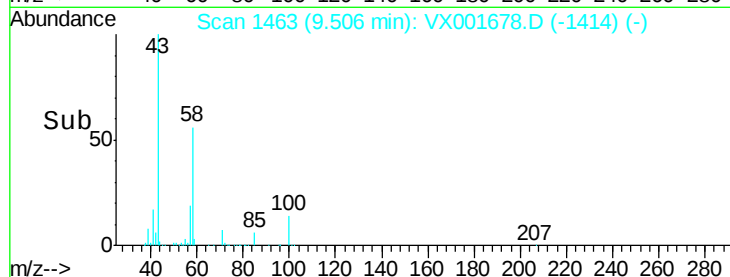
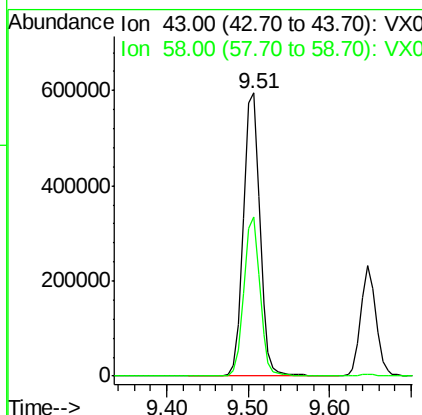
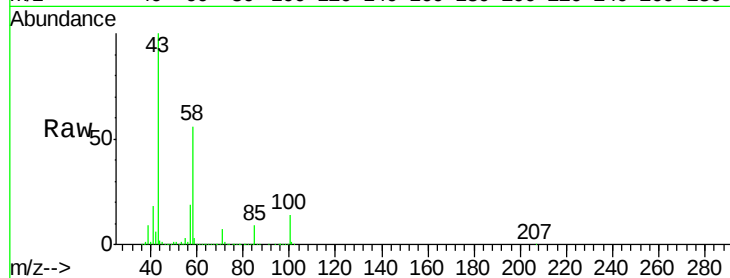
#59
2-Hexanone
Concen: 248.57 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 830596
Ion Ratio Lower Upper
43 100
58 54.9 27.1 81.2

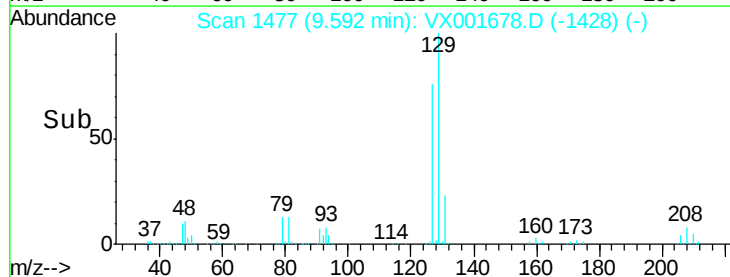
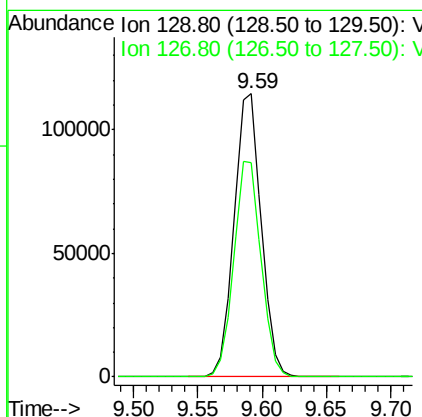
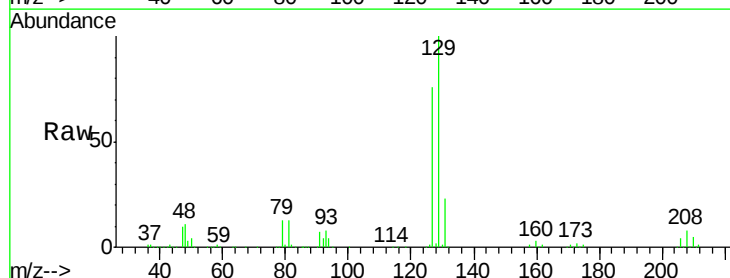
Manual Integrations
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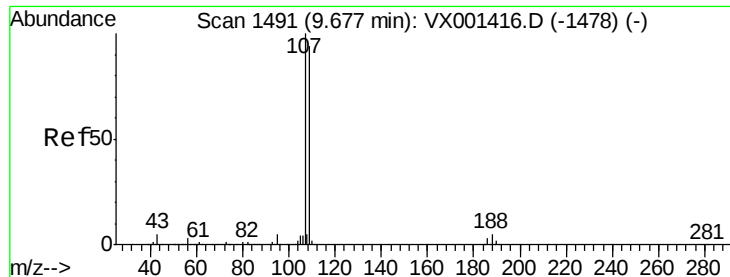
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#60
Dibromochloromethane
Concen: 54.58 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion: 129 Resp: 167813
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 51.22 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 161477

Ion Ratio Lower Upper

107 100

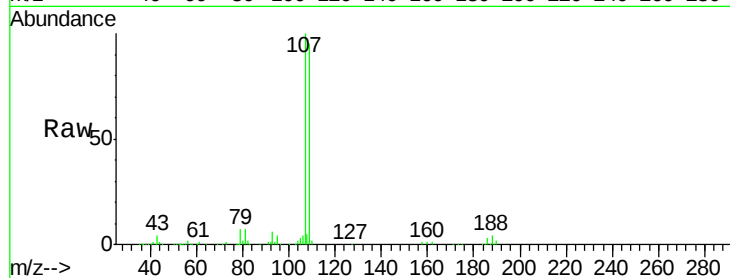
109 94.8 75.5 113.3

Manual Integrations

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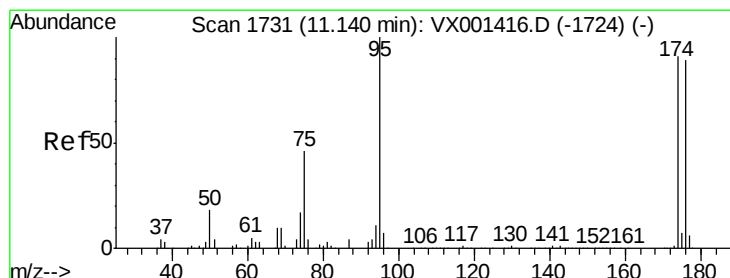
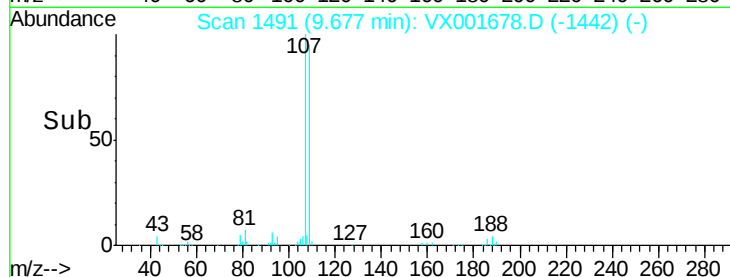
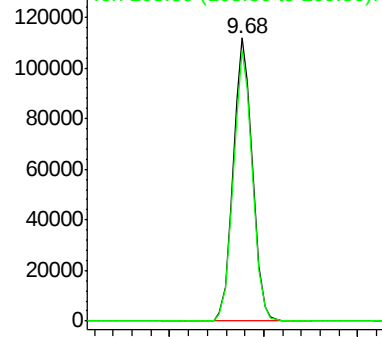
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

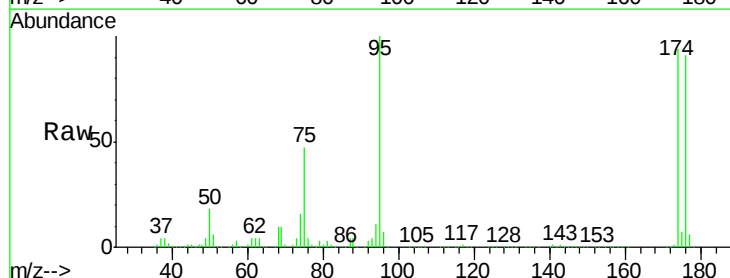
Tgt Ion: 95 Resp: 162743

Ion Ratio Lower Upper

95 100

174 101.6 0.0 202.0

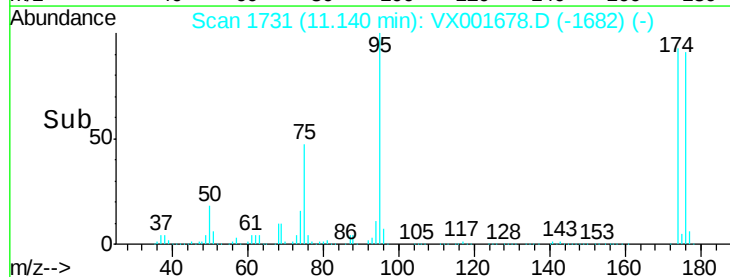
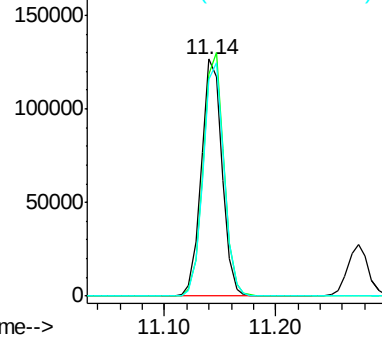
176 98.9 0.0 197.4

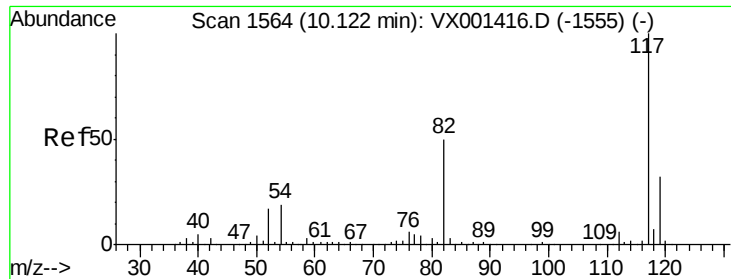


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





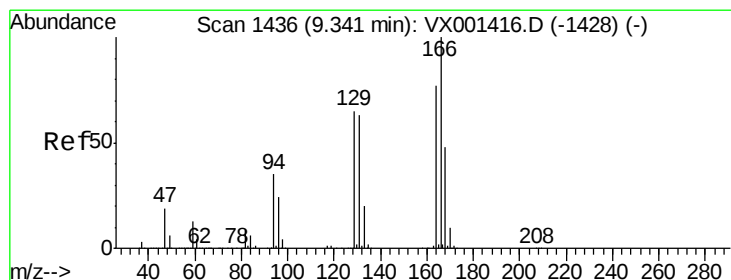
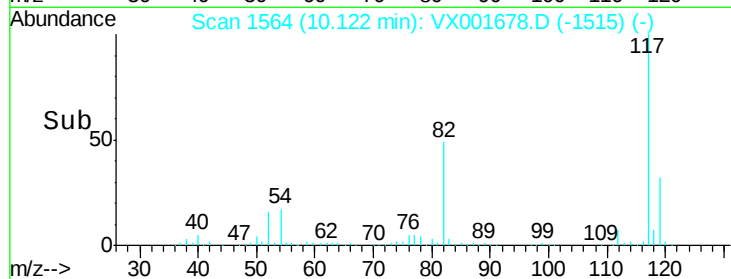
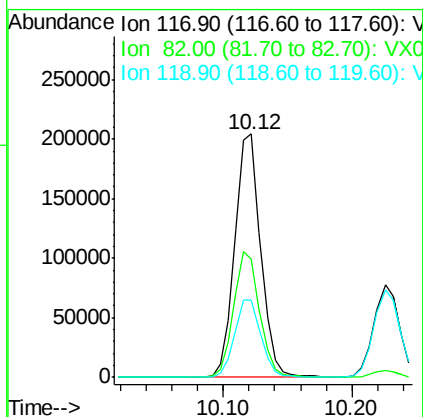
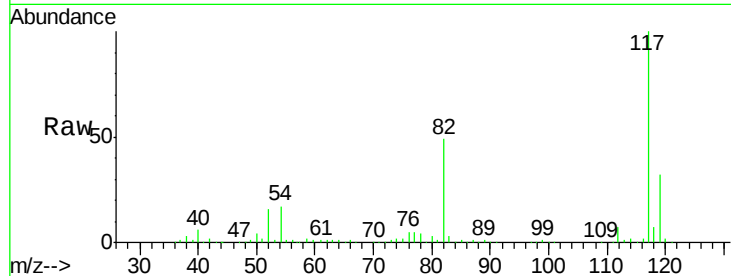
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	40.0	60.0
119	31.7	25.8	38.8

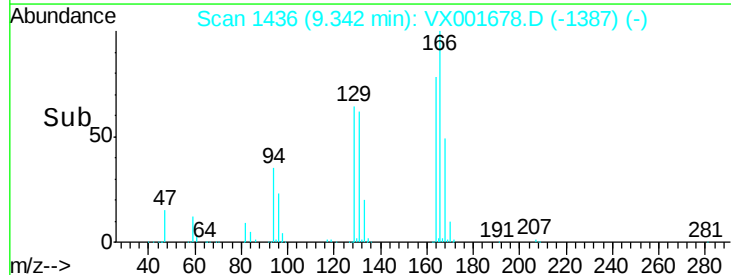
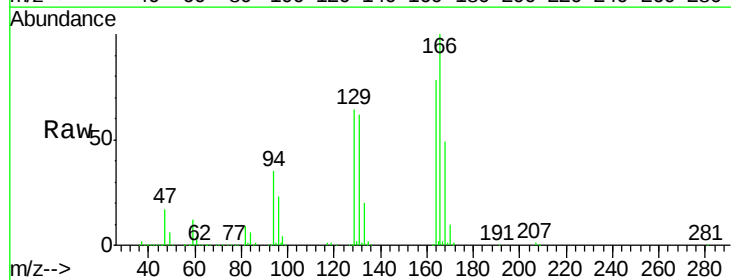
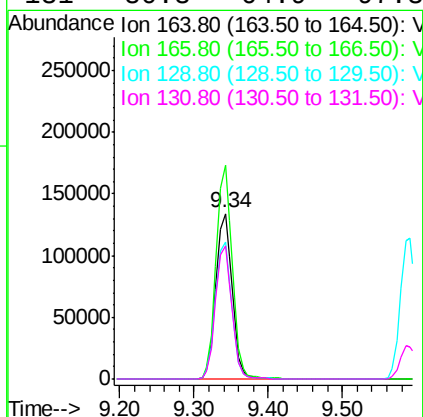
Manual Integrations
APPROVED

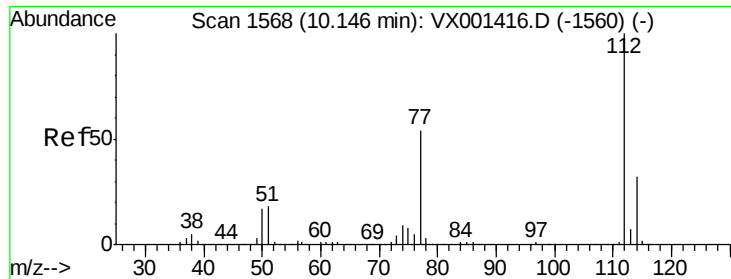
apatel
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#64
Tetrachloroethene
Concen: 50.24 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.5	155.3
129	82.6	66.7	100.1
131	80.3	64.9	97.3





#65

Chlorobenzene

Concen: 50.99 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 431564

Ion Ratio Lower Upper

112 100

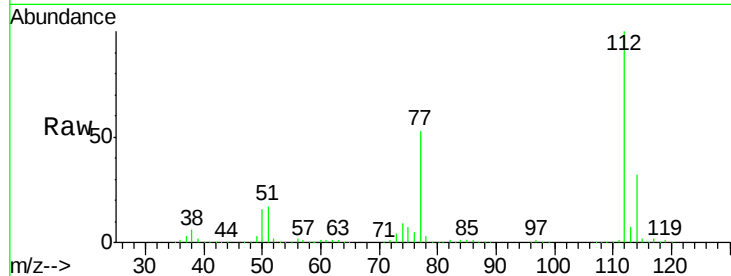
114 32.4 26.0 39.0

Manual Integrations

APPROVED

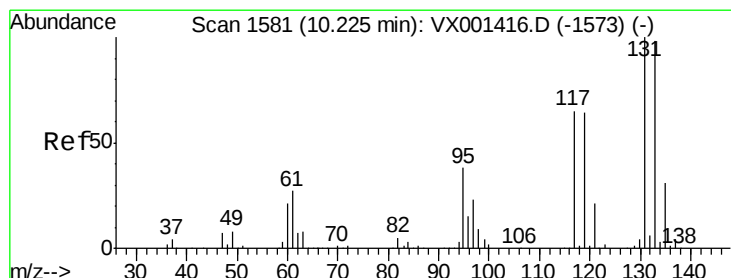
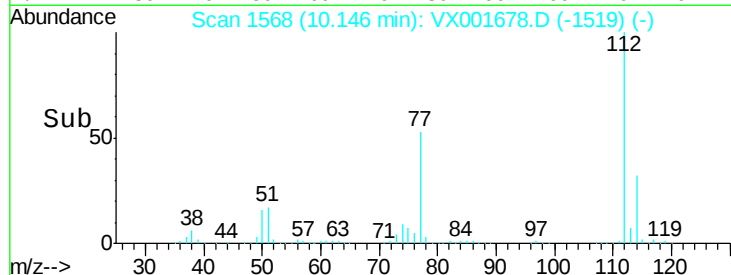
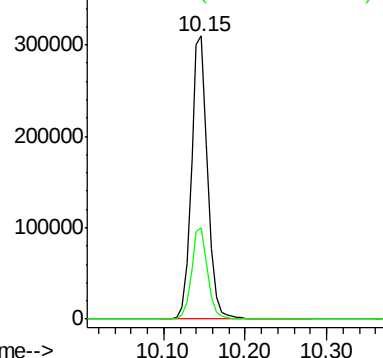
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.63 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

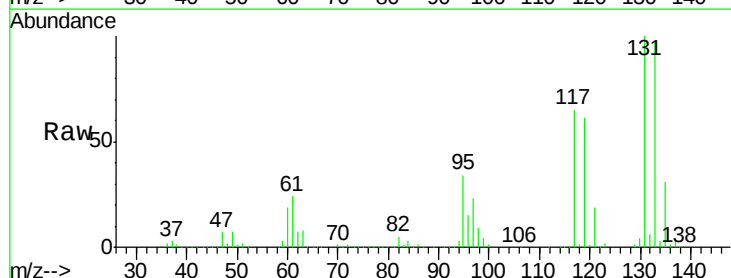
Tgt Ion:131 Resp: 162371

Ion Ratio Lower Upper

131 100

133 97.9 47.9 143.8

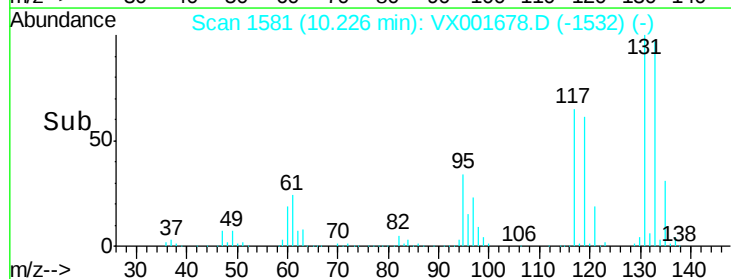
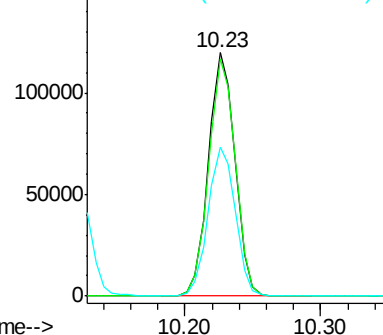
119 63.0 31.1 93.3

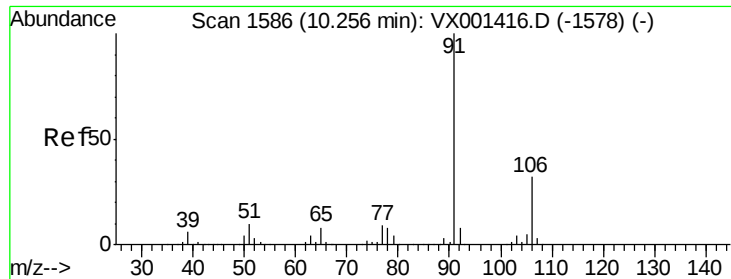


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





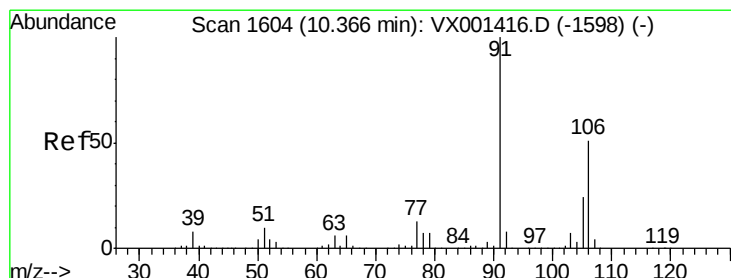
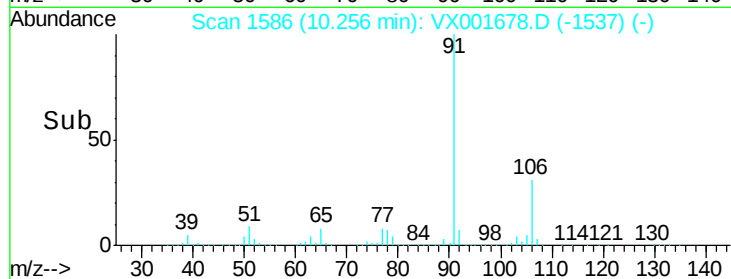
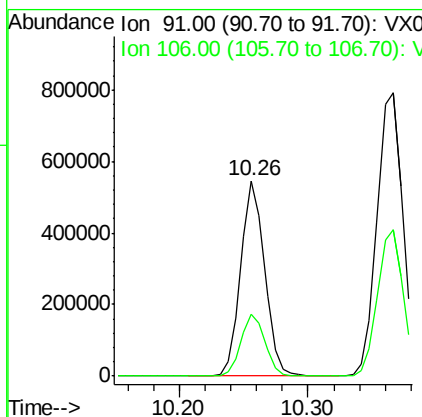
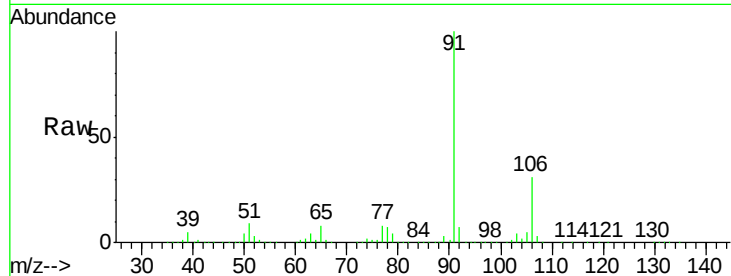
#67
Ethyl Benzene
Concen: 50.98 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 707276
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

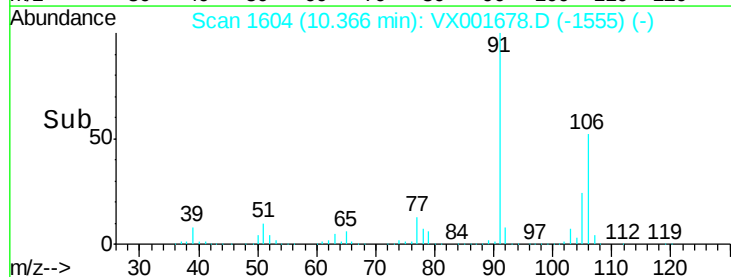
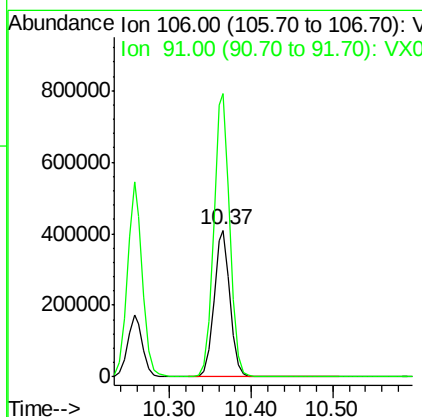
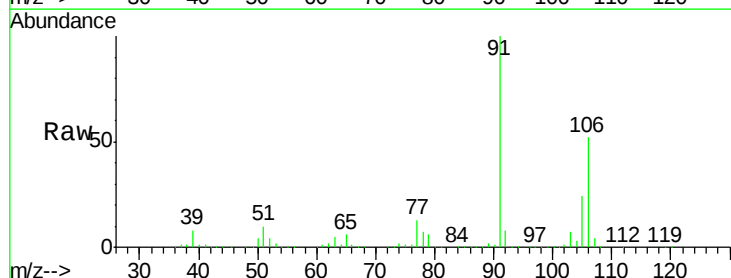
Manual Integrations
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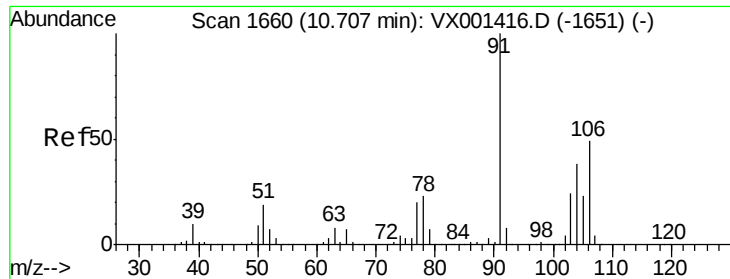
apatel
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#68
m/p-Xylenes
Concen: 103.04 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion: 106 Resp: 564854
Ion Ratio Lower Upper
106 100
91 195.2 157.5 236.3





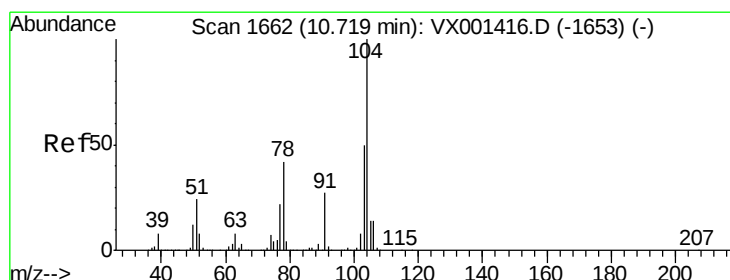
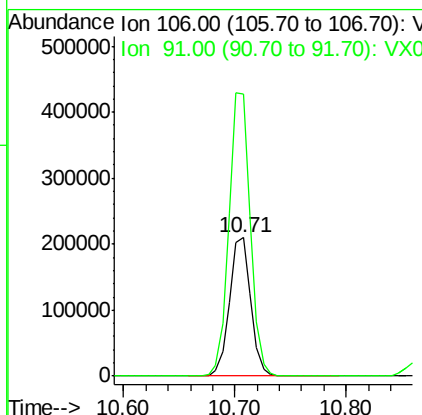
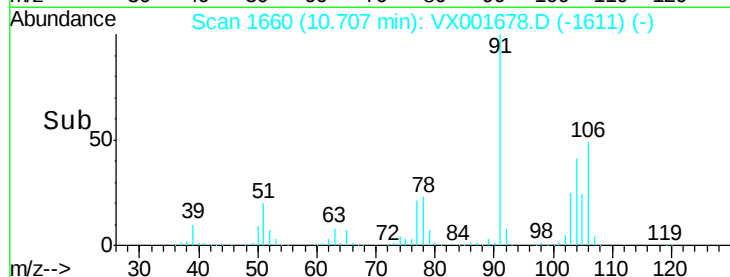
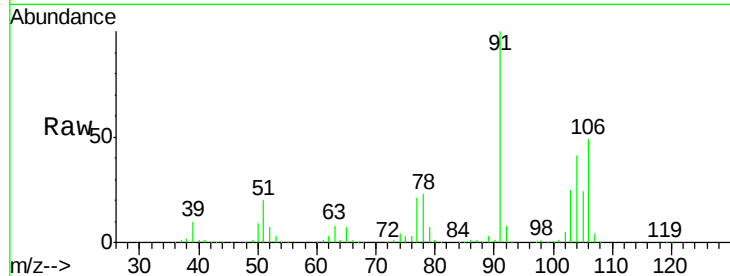
#69
o-Xylene
Concen: 51.91 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 276543
Ion Ratio Lower Upper
106 100
91 205.8 103.1 309.1

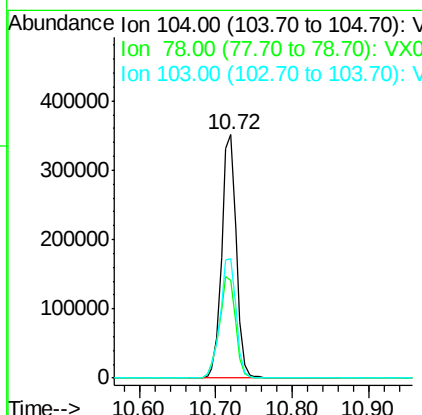
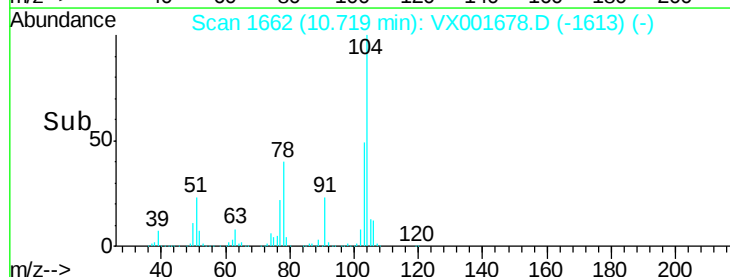
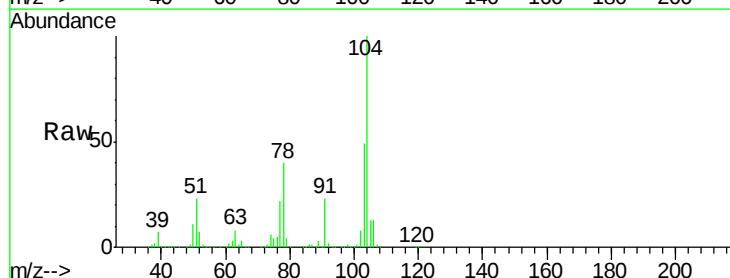
Manual Integrations
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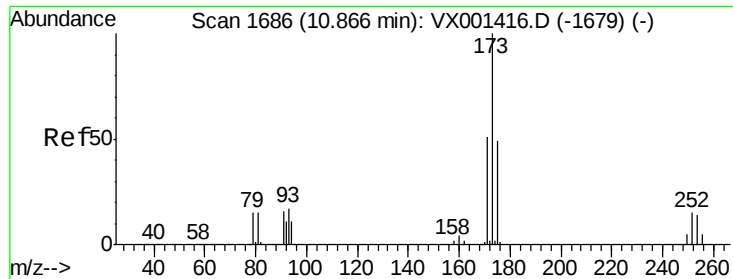
apatel
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#70
Styrene
Concen: 53.39 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion:104 Resp: 462047
Ion Ratio Lower Upper
104 100
78 46.7 38.6 58.0
103 54.1 44.0 66.0





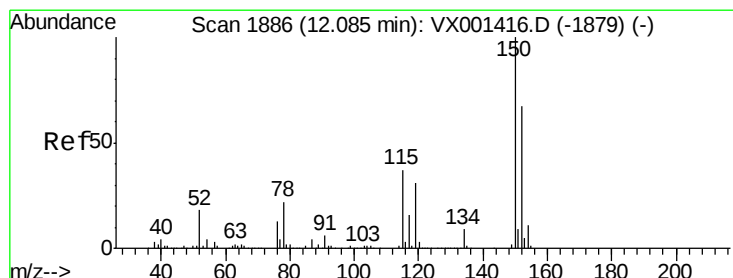
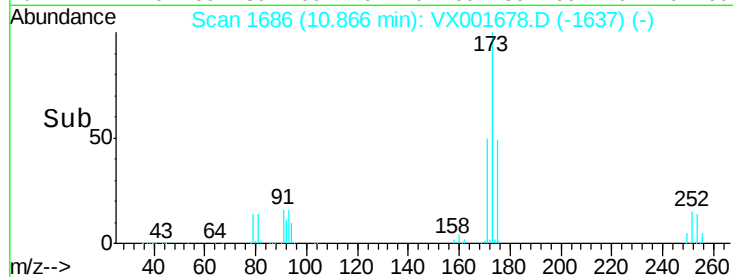
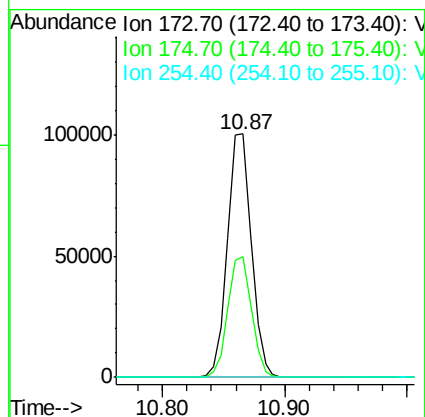
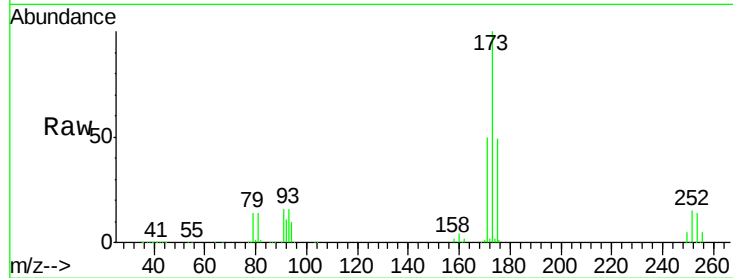
#71
Bromoform
Concen: 46.82 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.5	73.5
254	0.2	0.2	0.2

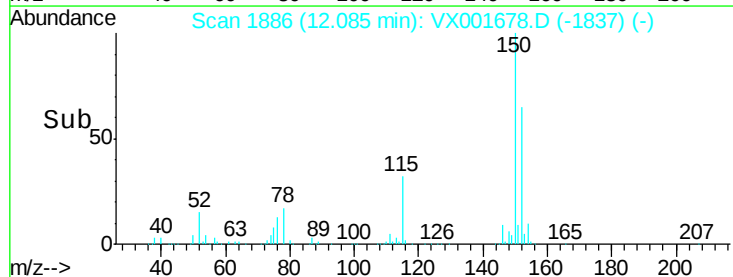
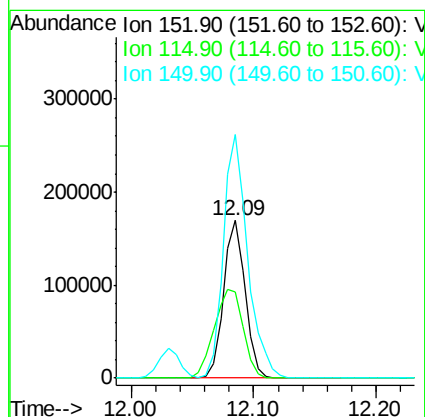
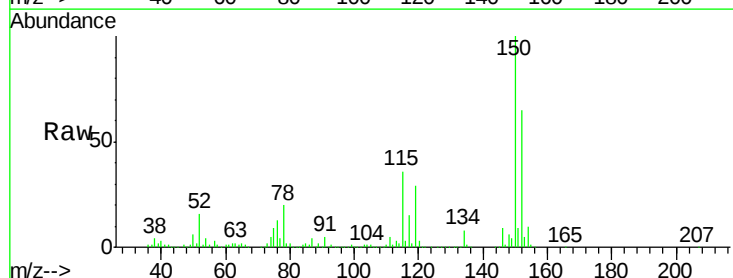
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.7	37.7	113.1
150	174.6	0.0	349.4





#73

Isopropylbenzene

Concen: 51.78 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 739824

Ion Ratio Lower Upper

105 100

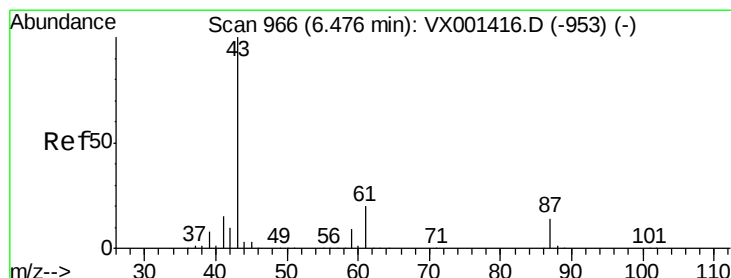
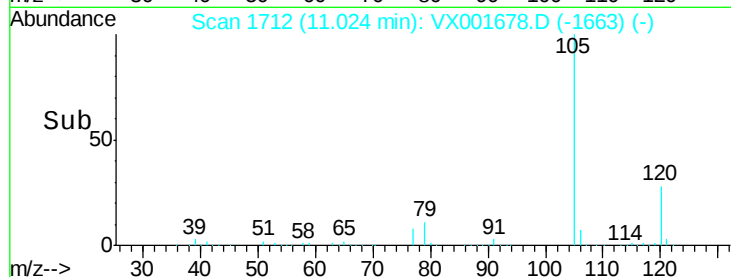
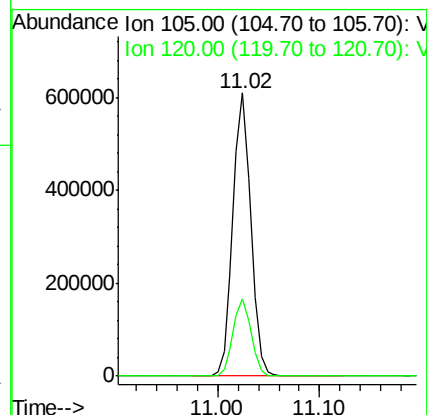
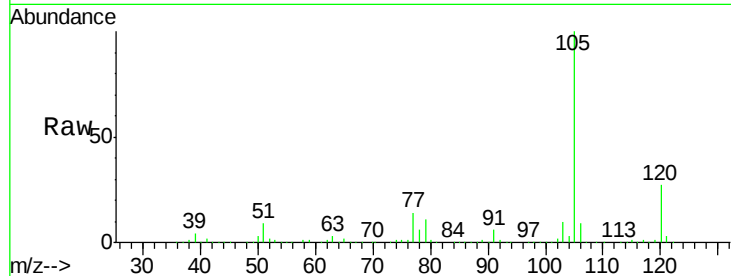
120 27.6 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.67 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion: 43 Resp: 335325

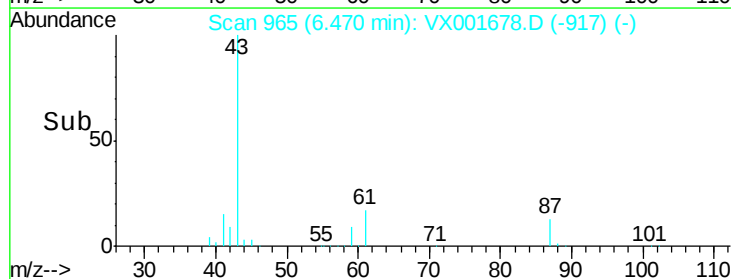
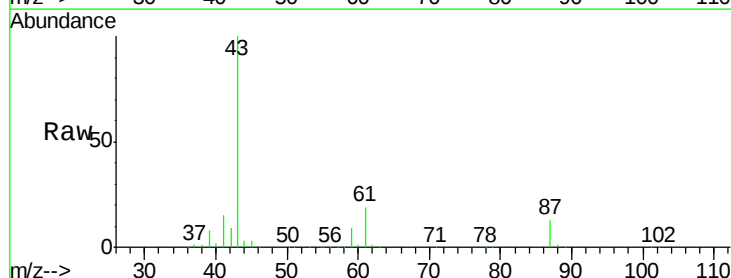
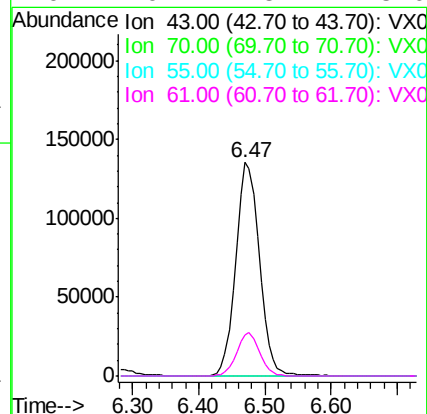
Ion Ratio Lower Upper

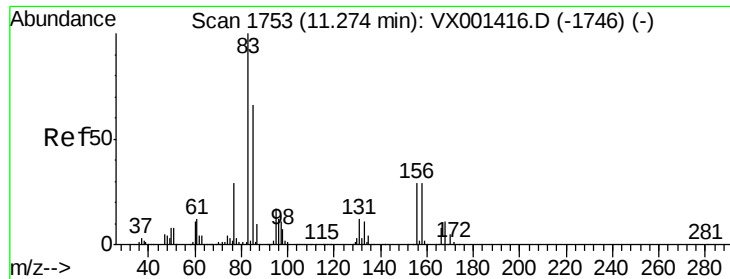
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 19.7 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.53 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

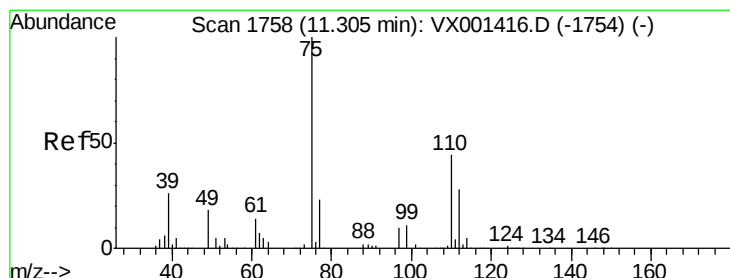
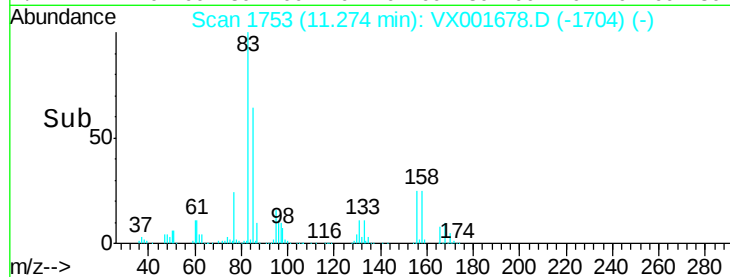
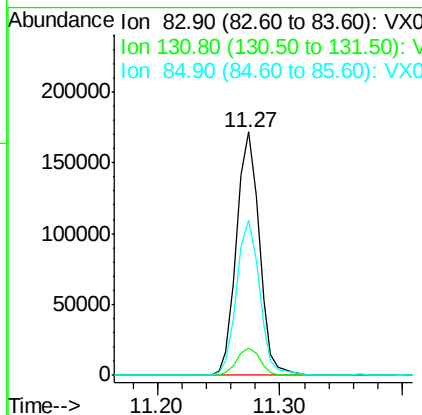
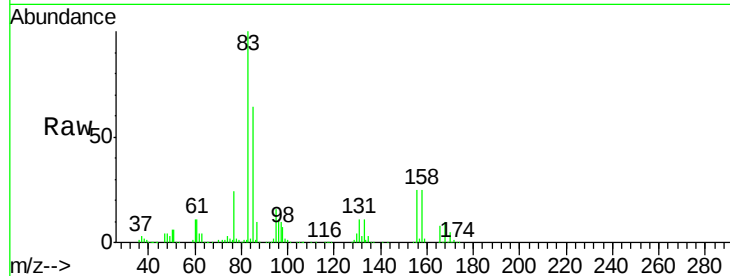
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	221691
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	64.1	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.46 ug/l m

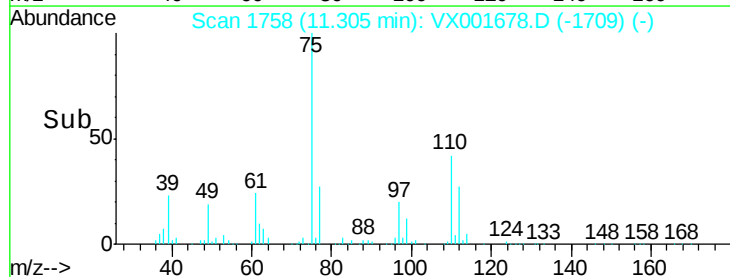
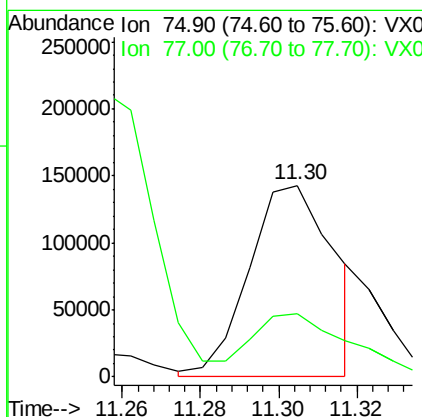
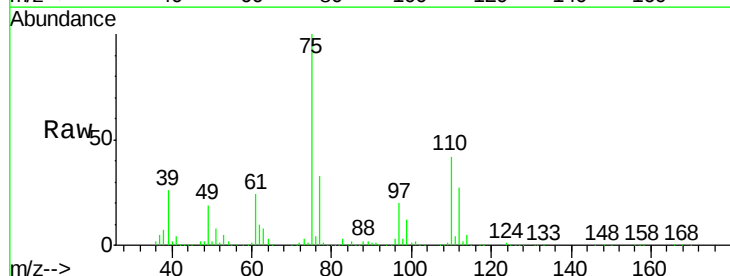
RT: 11.30 min Scan# 1758

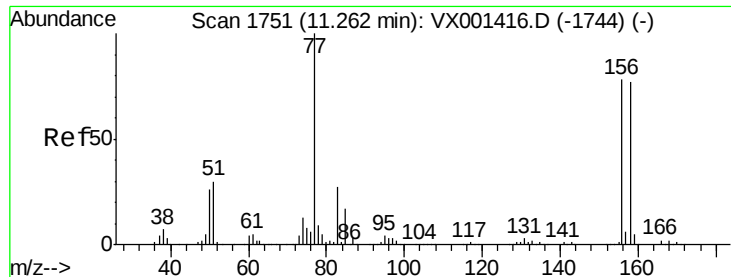
Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	75	Resp:	215427
Ion Ratio	Lower	Upper	
75	100		
77	37.4	19.6	58.7





#77

Bromobenzene

Concen: 50.37 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

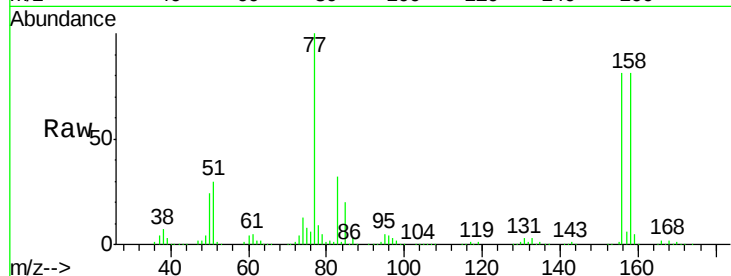
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	209266
Ion Ratio	Lower	Upper	
156	100		
77	133.3	66.0	198.2
158	98.9	49.4	148.2

Manual Integrations
APPROVED

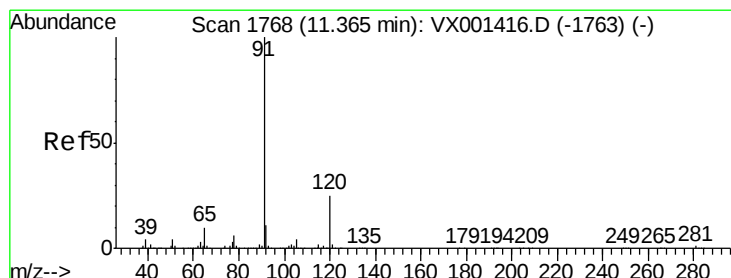
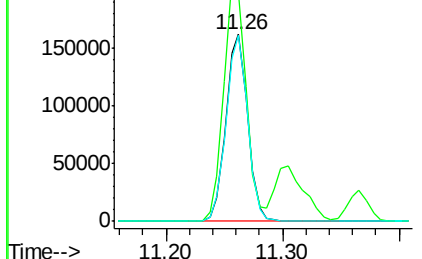
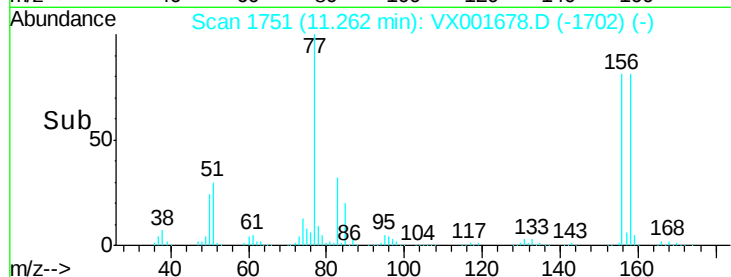
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.73 ug/l

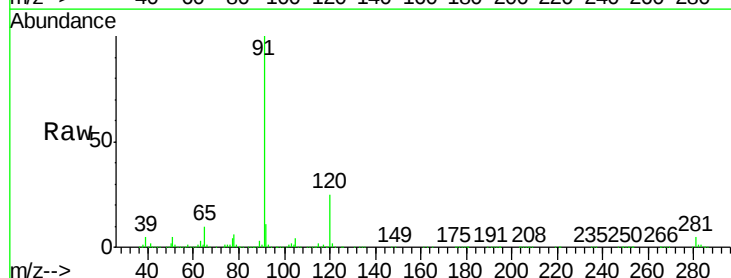
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001678.D

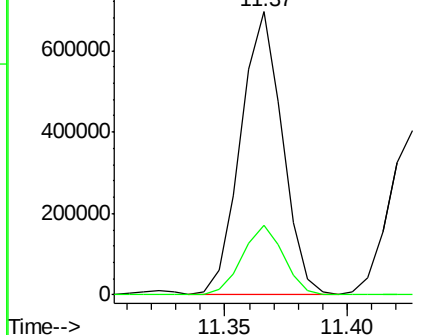
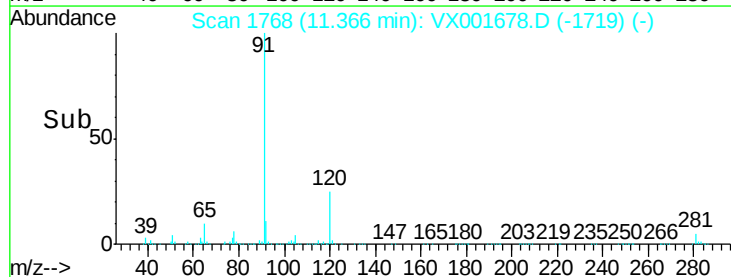
Acq: 12 May 2018 20:16

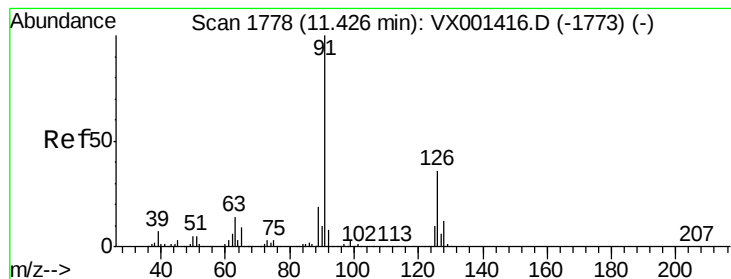
Tgt Ion:	91	Resp:	820533
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





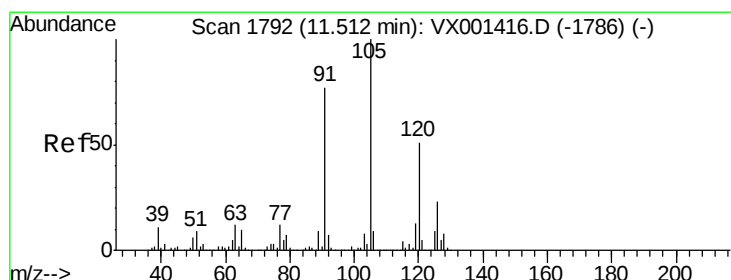
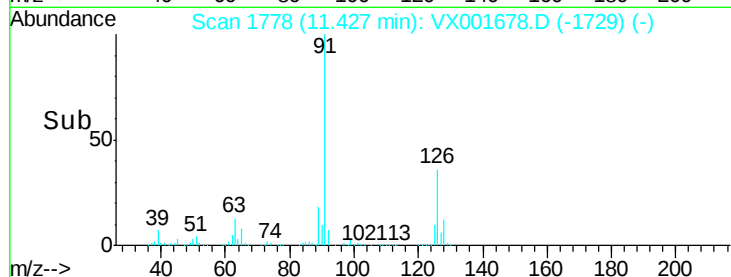
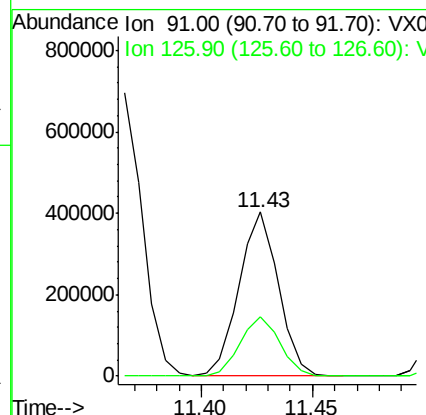
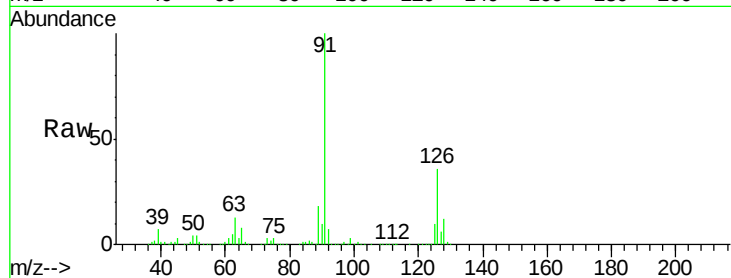
#79
 2-Chlorotoluene
 Concen: 51.48 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 492935
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.1 54.4

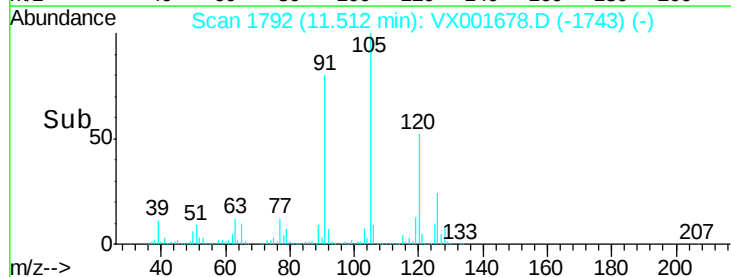
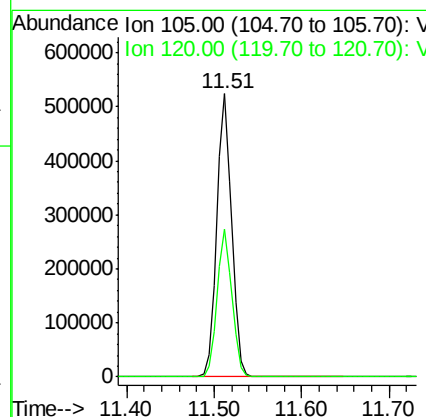
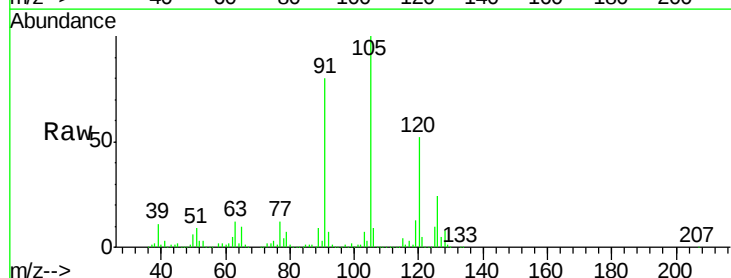
Manual Integrations
 APPROVED

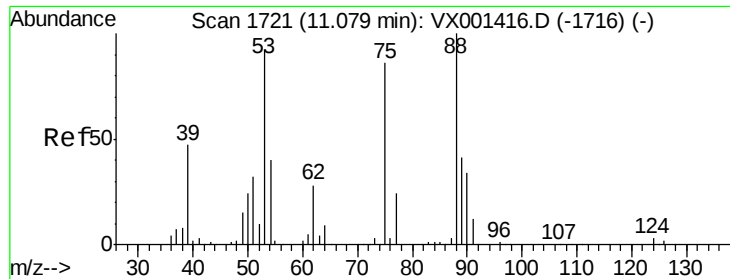
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.92 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion: 105 Resp: 617629
 Ion Ratio Lower Upper
 105 100
 120 51.9 25.7 77.1





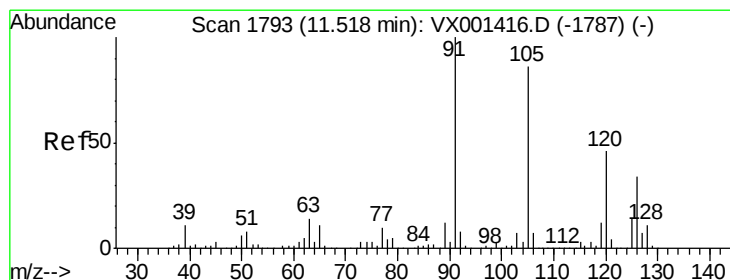
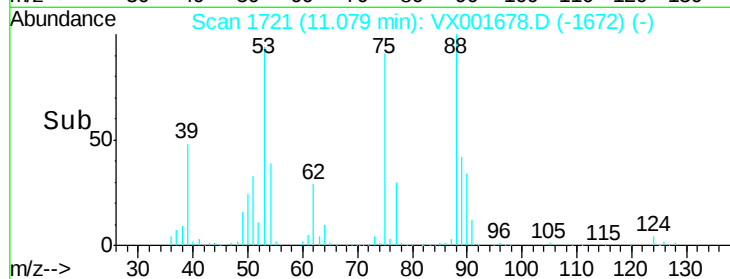
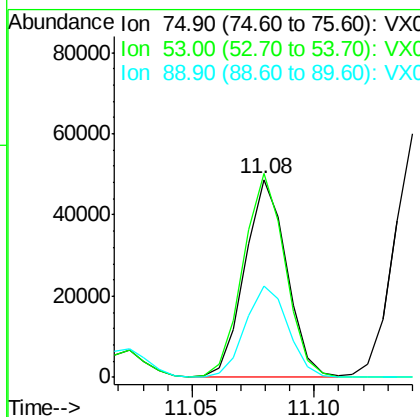
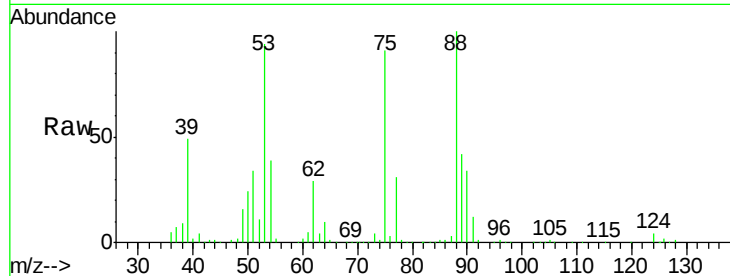
#81
trans-1,4-Dichloro-2-butene
Concen: 44.71 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.9	84.5	126.7
89	47.4	39.5	59.3

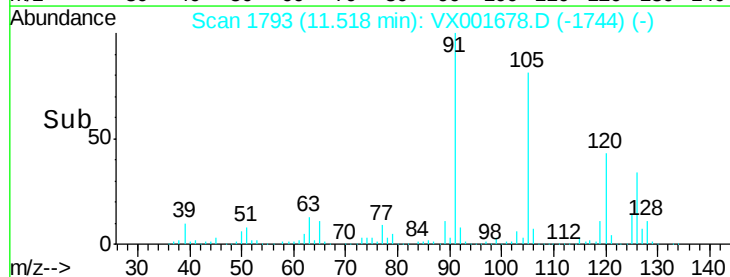
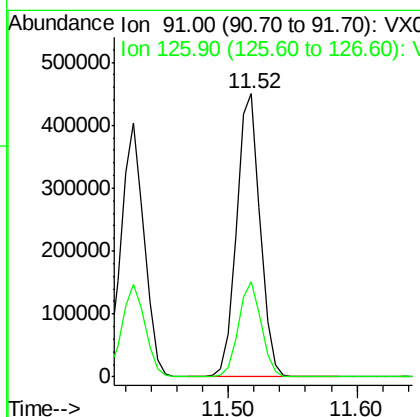
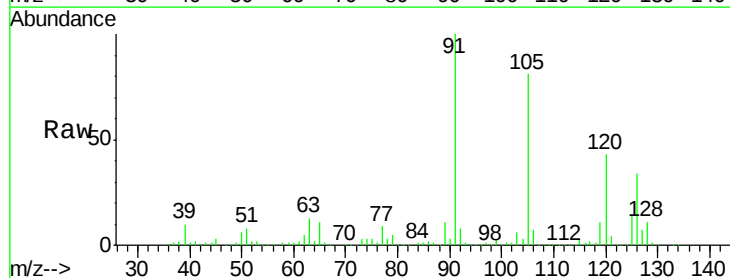
Manual Integrations
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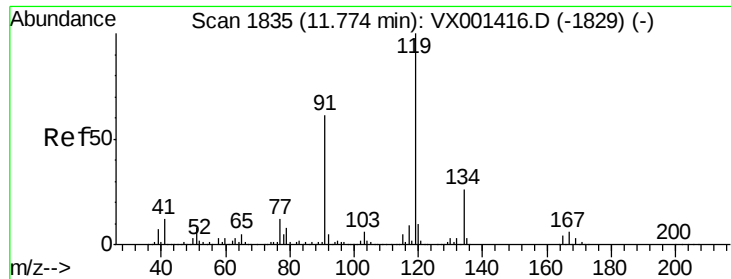
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#82
4-Chlorotoluene
Concen: 51.44 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5





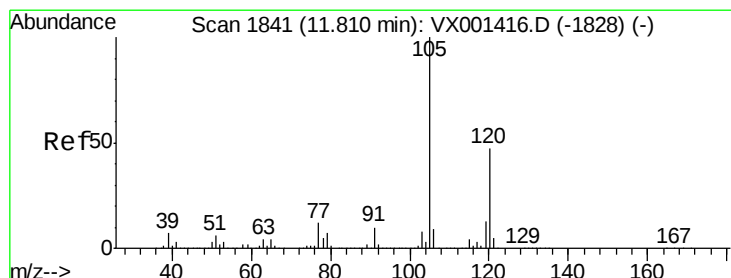
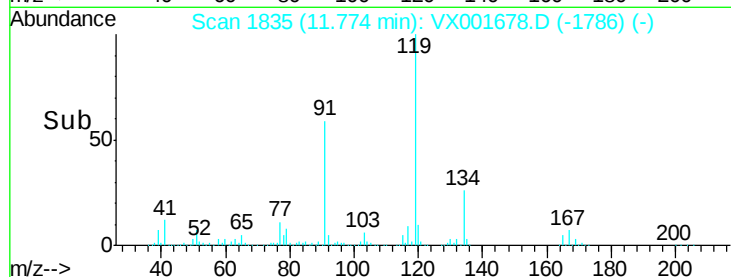
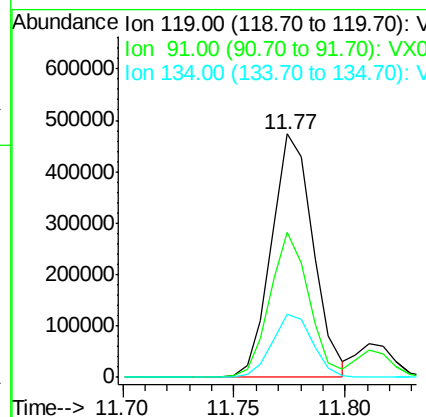
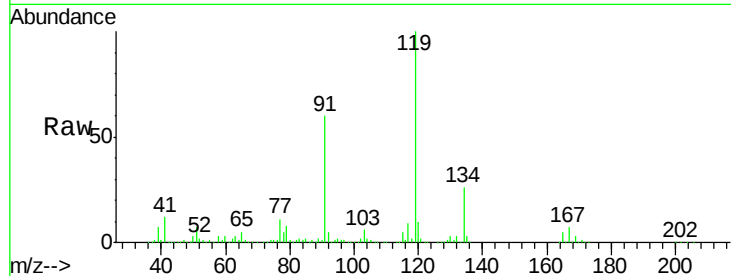
#83
 tert-Butylbenzene
 Concen: 51.98 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.0	27.8	83.3
134	25.3	12.4	37.0

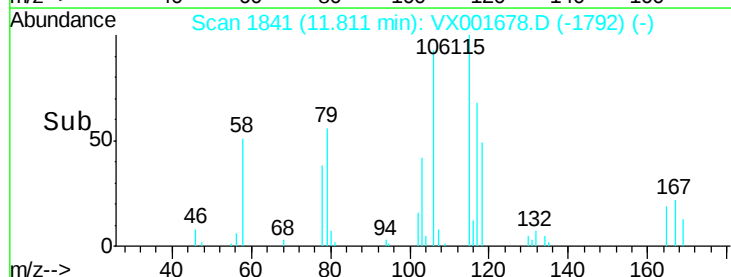
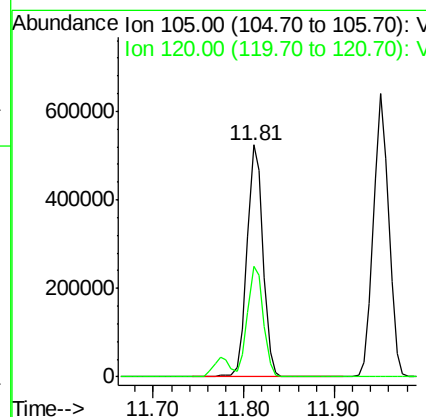
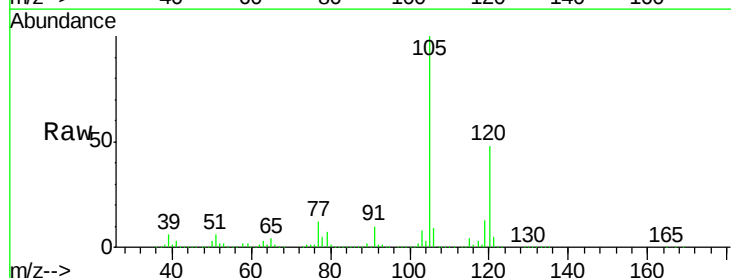
Manual Integrations
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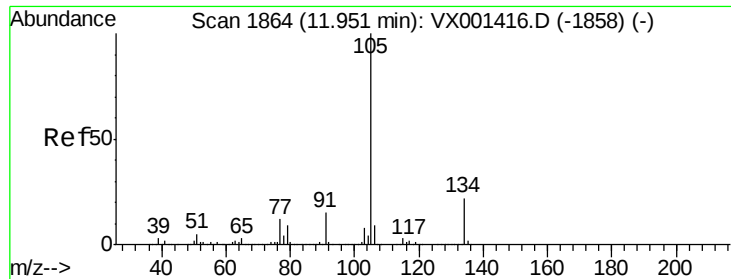
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.17 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.2





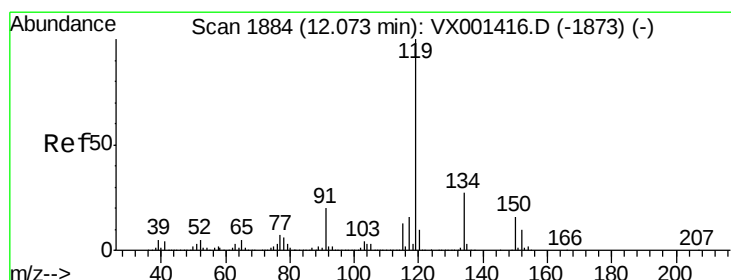
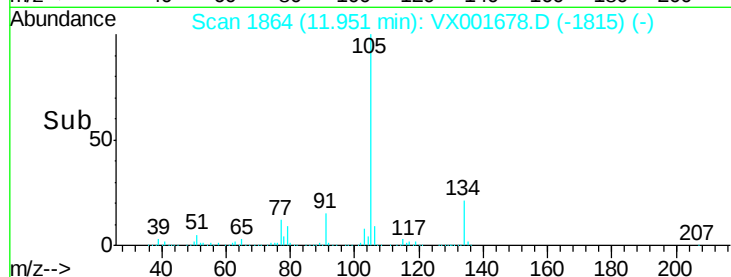
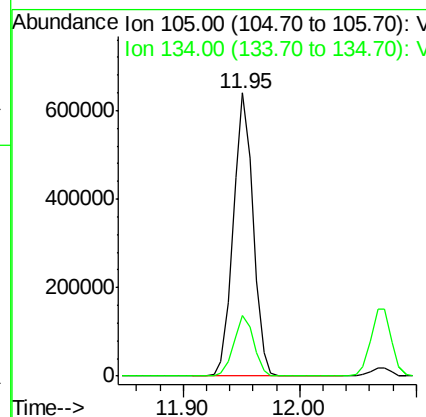
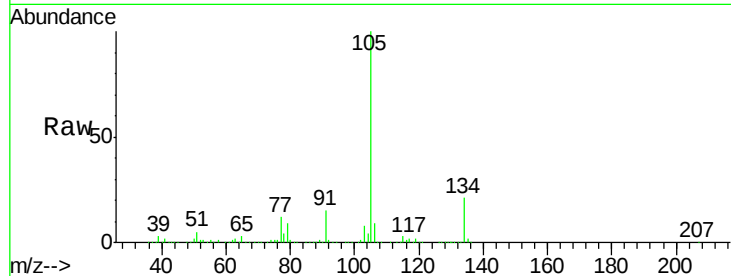
#85
 sec-Butylbenzene
 Concen: 53.23 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.9	32.9

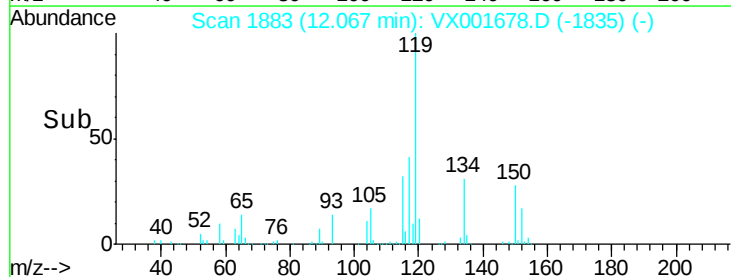
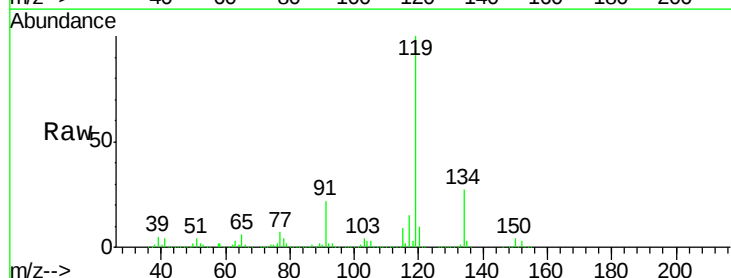
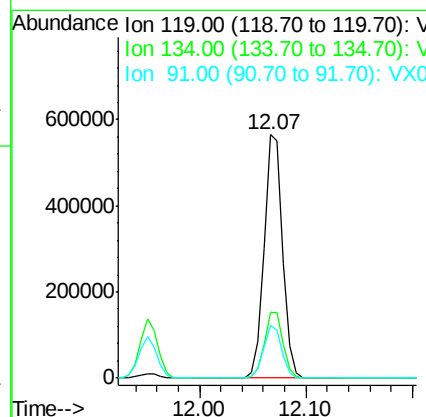
Manual Integrations
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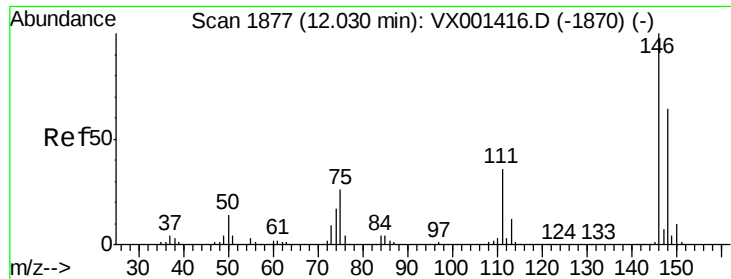
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#86
 p-Isopropyltoluene
 Concen: 52.69 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.8
91	21.3	10.8	32.3





#87

1,3-Dichlorobenzene

Concen: 50.83 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

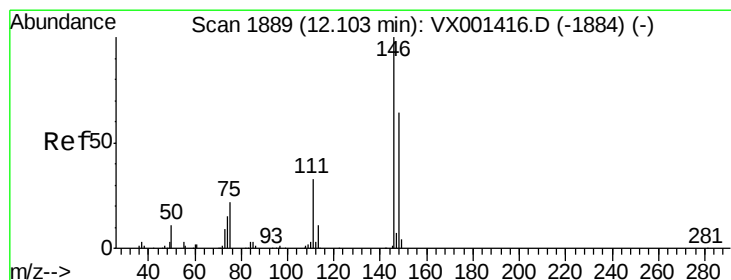
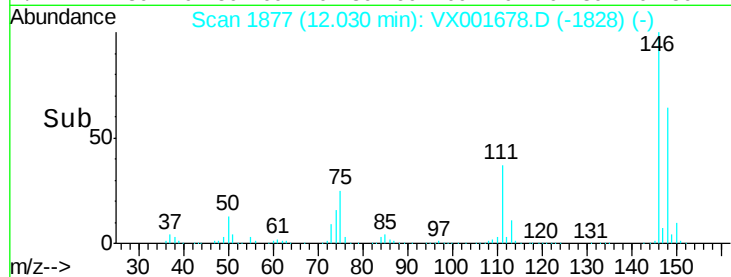
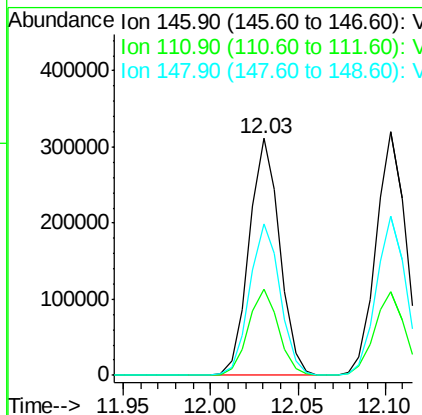
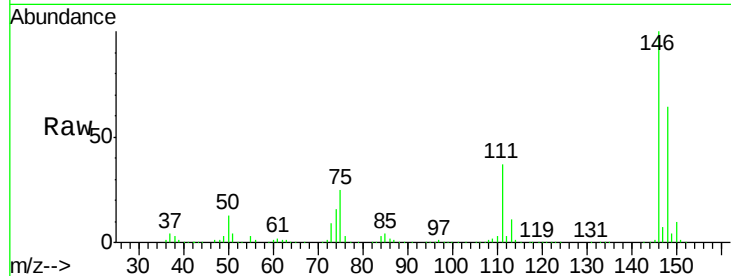
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	377454
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.1	54.1
148	64.1	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.92 ug/l

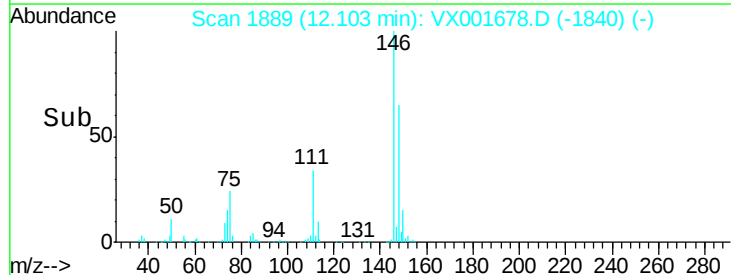
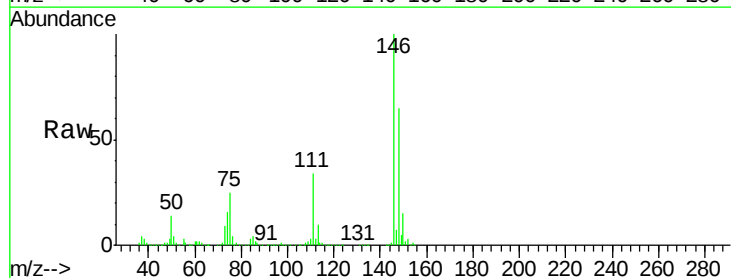
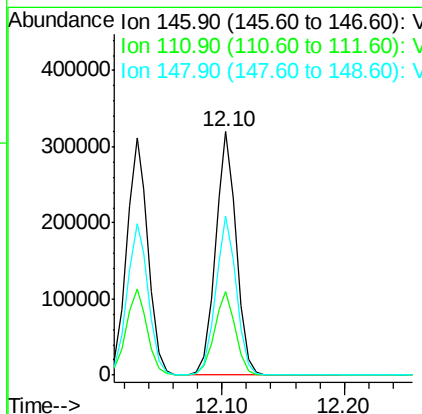
RT: 12.10 min Scan# 1889

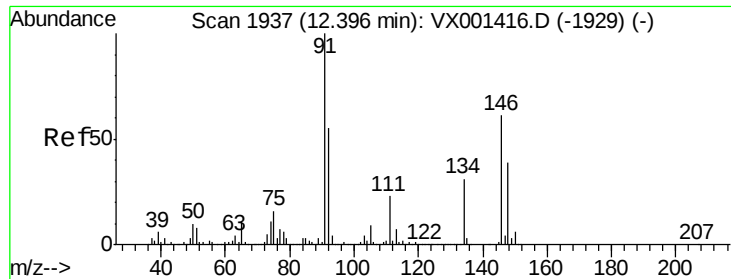
Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Tgt Ion:	146	Resp:	378086
Ion Ratio	Lower	Upper	
146	100		
111	34.8	17.4	52.3
148	65.0	32.2	96.6





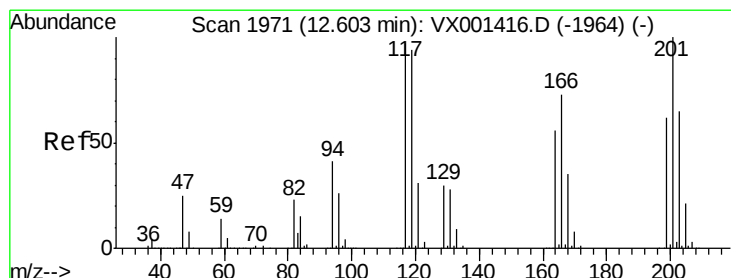
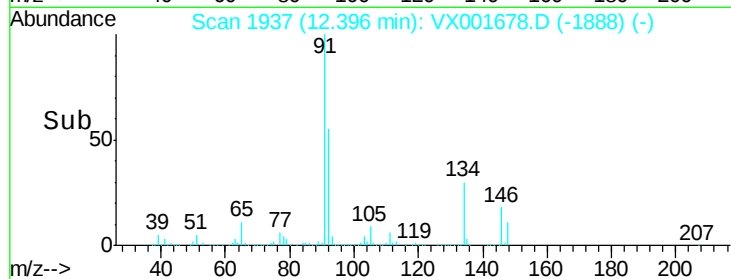
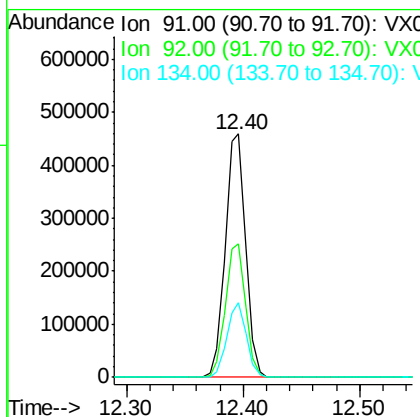
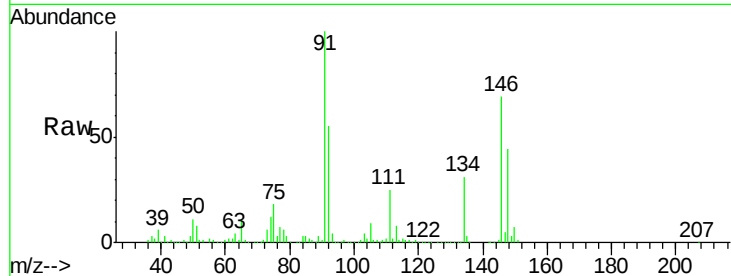
#89
n-Butylbenzene
Concen: 51.28 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.5
134	29.3	14.6	44.0

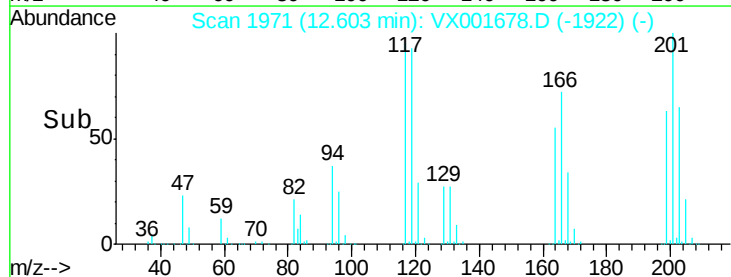
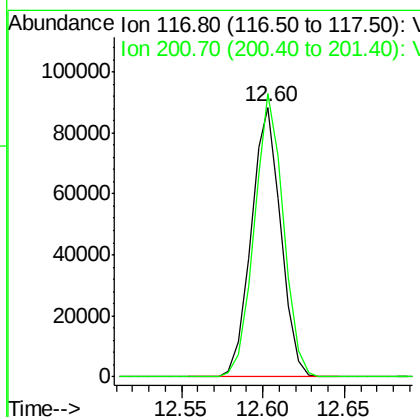
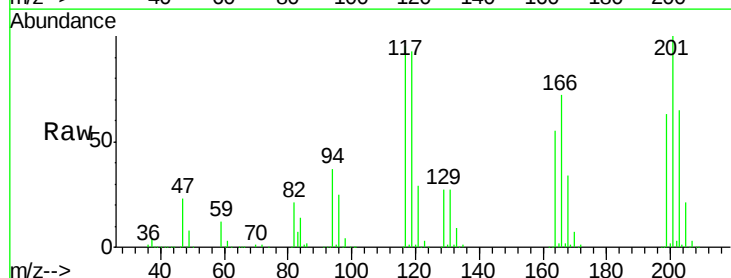
Manual Integrations
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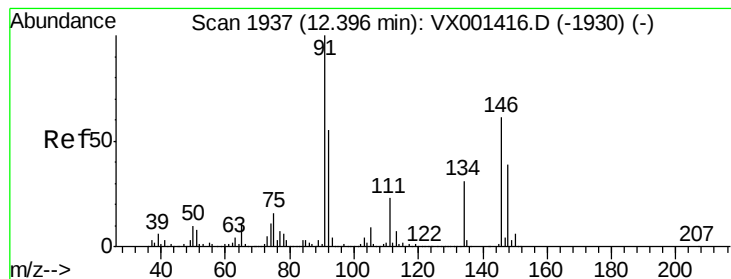
apatel
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#90
Hexachloroethane
Concen: 56.71 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001678.D
Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.6	51.5	154.5





#91

1,2-Dichlorobenzene

Concen: 51.56 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 146 Resp: 389555

Ion Ratio Lower Upper

146 100

111 36.7 18.6 55.8

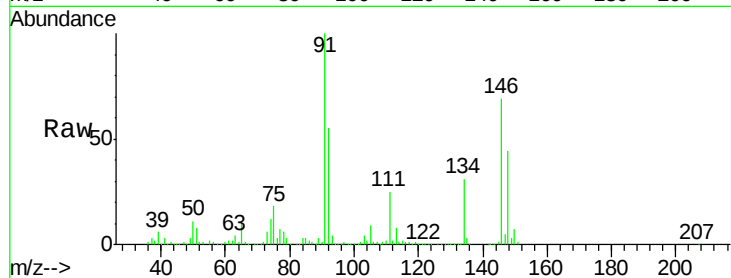
148 64.3 32.1 96.5

Manual Integrations

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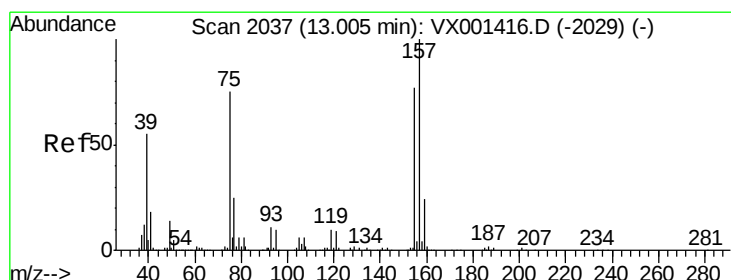
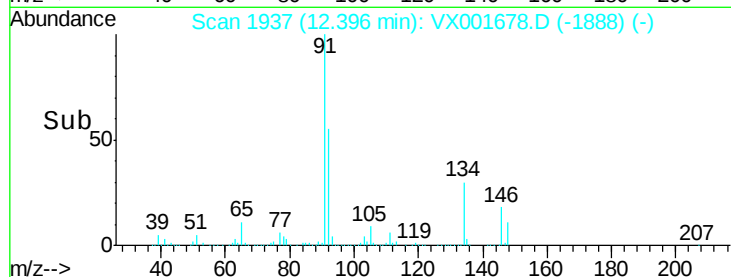
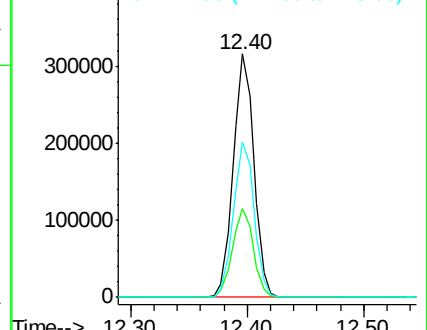
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.44 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

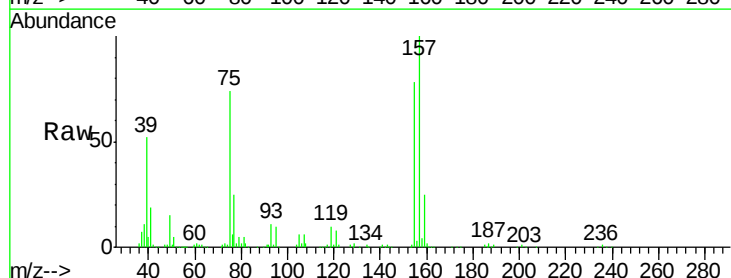
Tgt Ion: 75 Resp: 49549

Ion Ratio Lower Upper

75 100

155 109.8 53.4 160.2

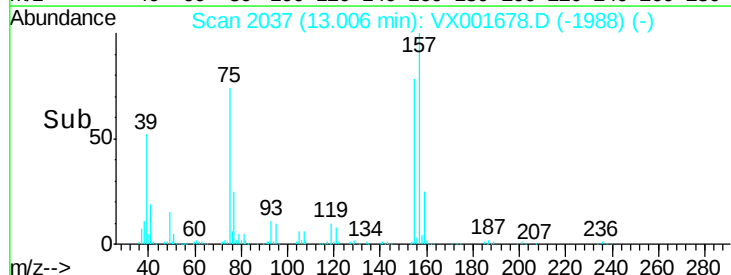
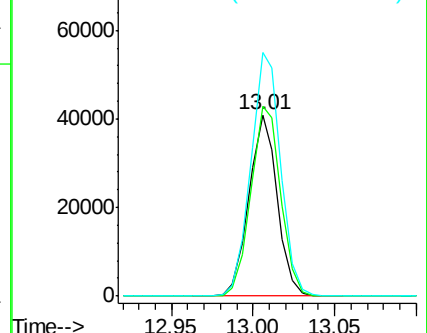
157 140.9 68.3 204.8

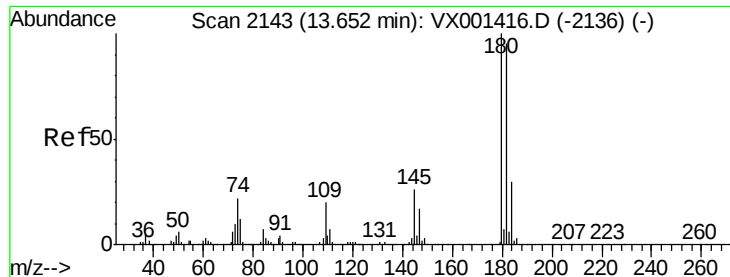


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





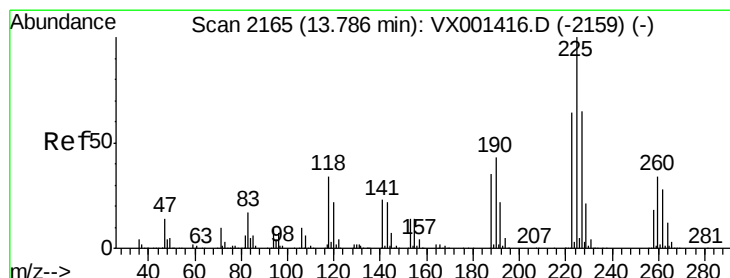
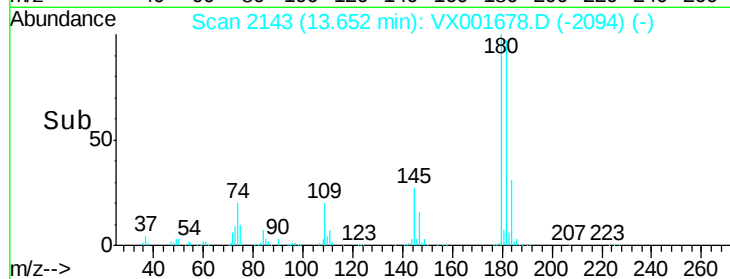
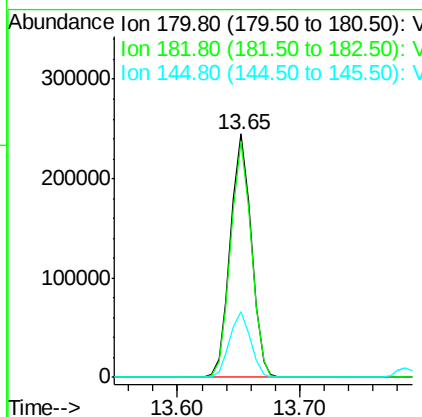
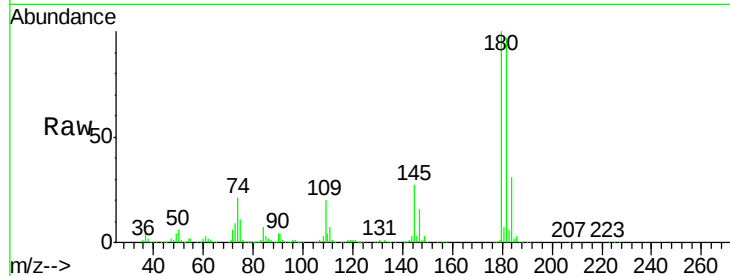
#93
 1,2,4-Trichlorobenzene
 Concen: 52.21 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288655		
182	95.7	47.8	143.4	
145	26.7	13.3	39.9	

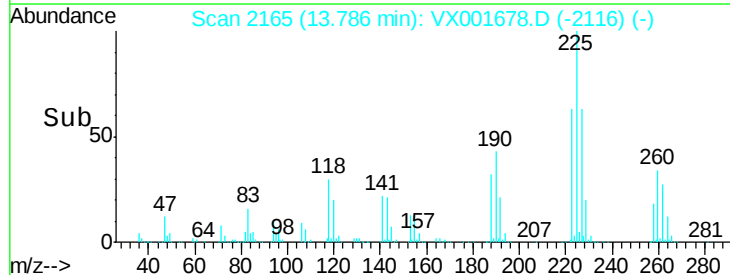
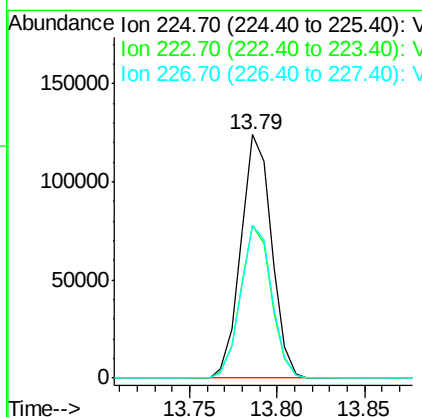
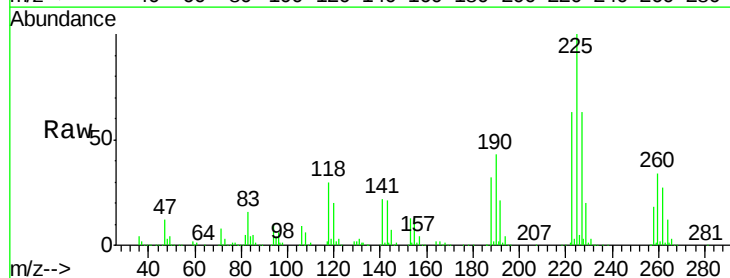
Manual Integrations
 APPROVED

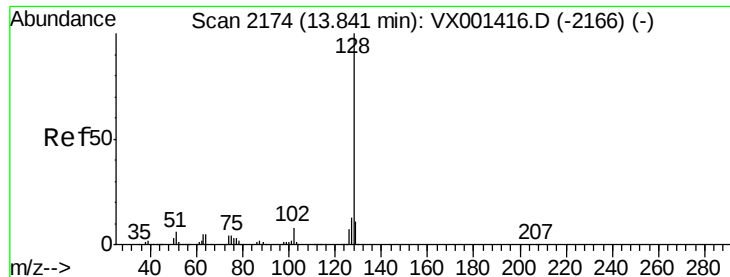
apatel
 5/15/2018 6:31:52 PM



#94
 Hexachlorobutadiene
 Concen: 50.07 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001678.D
 Acq: 12 May 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151462		
223	62.8	31.3	93.9	
227	63.6	32.4	97.2	





#95

Naphthalene

Concen: 54.37 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 831278

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

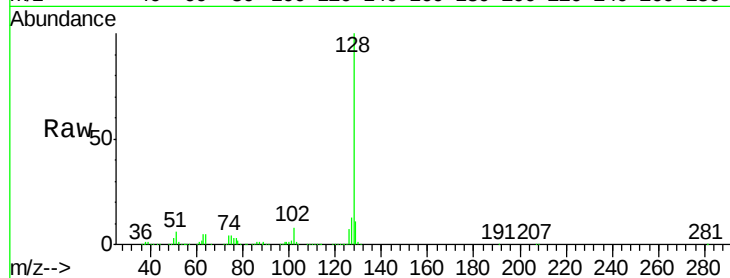
129 11.0 8.7 13.1

Manual Integrations

APPROVED

apatel

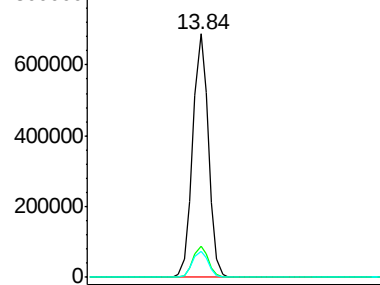
5/15/2018 6:31:52 PM



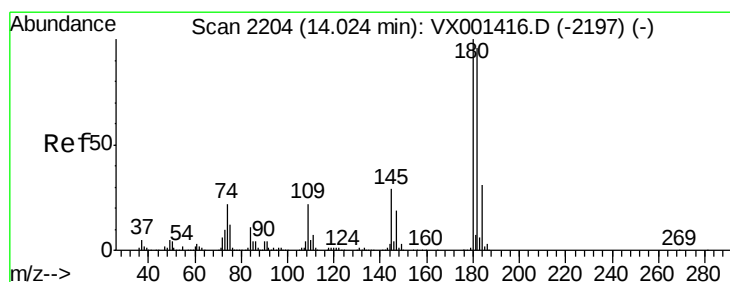
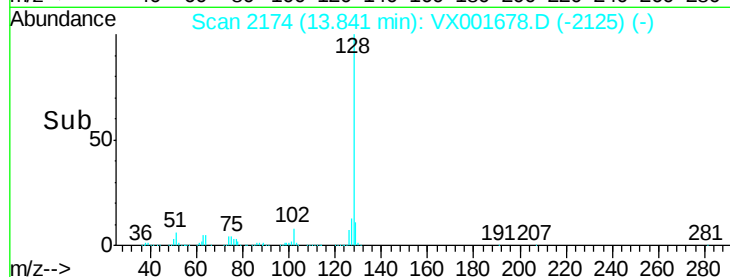
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 52.43 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001678.D

Acq: 12 May 2018 20:16

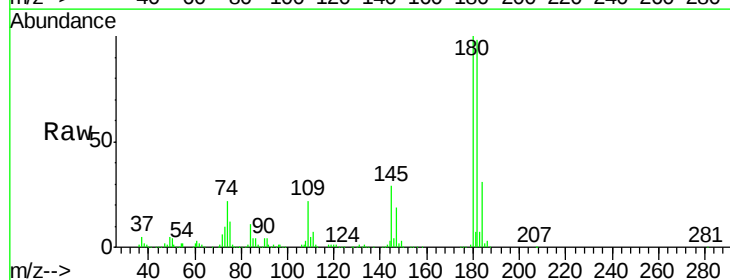
Tgt Ion:180 Resp: 297450

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.2

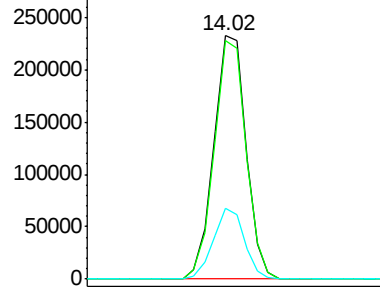
145 28.2 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

