

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003670.D
 Acq On : 26 Jul 2018 12:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 27 05:34:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	126275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	182251	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	84351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	82304	44.00	ug/l	-0.01
Spiked Amount			Recovery	=	88.00%	
35) Dibromofluoromethane	5.51	113	68666	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	8.72	98	254304	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
62) 4-Bromofluorobenzene	11.14	95	78597	37.90	ug/l	0.00
Spiked Amount			Recovery	=	75.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	66500	46.24	ug/l	99
3) Chloromethane	1.32	50	87960	46.43	ug/l	95
4) Vinyl Chloride	1.40	62	94664	48.86	ug/l	94
5) Bromomethane	1.64	94	48607	51.95	ug/l	95
6) Chloroethane	1.72	64	58285	44.11	ug/l	96
7) Trichlorofluoromethane	1.93	101	116452	46.69	ug/l	99
8) Diethyl Ether	2.18	74	52320	47.87	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	77251	50.33	ug/l	98
10) Methyl Iodide	2.51	142	105398	50.88	ug/l	96
11) Tert butyl alcohol	3.07	59	92944	207.87	ug/l	99
12) 1,1-Dichloroethene	2.37	96	69529	47.60	ug/l	90
13) Acrolein	2.29	56	47047	208.77	ug/l	99
14) Allyl chloride	2.72	41	138514	45.49	ug/l	96
15) Acrylonitrile	3.15	53	235255	217.76	ug/l	98
16) Acetone	2.45	43	189642	215.81	ug/l	99
17) Carbon Disulfide	2.57	76	197217	46.94	ug/l	95
18) Methyl Acetate	2.78	43	118492	44.65	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	245943	47.68	ug/l	96
20) Methylene Chloride	2.86	84	80922	46.47	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	75454	48.04	ug/l	97
22) Diisopropyl ether	3.87	45	268282	48.26	ug/l	# 87
23) Vinyl Acetate	3.82	43	1151914	241.89	ug/l	99
24) 1,1-Dichloroethane	3.70	63	142280	45.41	ug/l	99
25) 2-Butanone	4.71	43	334127	246.13	ug/l	99
26) 2,2-Dichloropropane	4.58	77	120255	60.70	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	88319	51.79	ug/l	99
28) Bromochloromethane	5.03	49	52911	42.08	ug/l	97
29) Tetrahydrofuran	5.17	42	213466	241.56	ug/l	97
30) Chloroform	5.22	83	145304	51.13	ug/l	90
31) Cyclohexane	5.58	56	135974	54.07	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	123482	52.32	ug/l	98
36) 1,1-Dichloropropene	5.80	75	110875	52.05	ug/l	100
37) Ethyl Acetate	4.85	43	128727	50.25	ug/l	99
38) Carbon Tetrachloride	5.78	117	106902	52.06	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	128671	54.87	ug/l	95
40) Benzene	6.14	78	317291	50.33	ug/l	100
41) Methacrylonitrile	5.07	41	70254	49.53	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108228	48.78	ug/l	100
43) Isopropyl Acetate	6.47	43	193811	51.86	ug/l	98
44) Trichloroethene	7.21	130	86444	51.14	ug/l	98
45) 1,2-Dichloropropane	7.52	63	83330	51.14	ug/l	98
46) Dibromomethane	7.67	93	52001	49.67	ug/l	99
47) Bromodichloromethane	7.90	83	99766	50.83	ug/l	99
48) Methyl methacrylate	7.78	41	95811	50.53	ug/l	100
49) 1,4-Dioxane	7.76	88	40223	950.75	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	607544	240.96	ug/l	99
52) Toluene	8.79	92	194555	49.65	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	114822	52.84	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	124706	52.15	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	77236	48.22	ug/l	99
56) Ethyl methacrylate	9.18	69	122475	51.38	ug/l	99
57) 1,3-Dichloropropane	9.37	76	129413	48.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	334662	279.39	ug/l	100
59) 2-Hexanone	9.50	43	459257	237.45	ug/l	99
60) Dibromochloromethane	9.59	129	76198	50.15	ug/l	100
61) 1,2-Dibromoethane	9.68	107	78857	47.28	ug/l	100
64) Tetrachloroethene	9.34	164	73490	56.21	ug/l	98
65) Chlorobenzene	10.14	112	196613	54.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	68804	54.99	ug/l	100
67) Ethyl Benzene	10.26	91	336629	55.88	ug/l	100
68) m/p-Xylenes	10.36	106	250649	108.46	ug/l	100
69) o-Xylene	10.70	106	117355	52.75	ug/l	98
70) Styrene	10.71	104	201370	53.88	ug/l	99
71) Bromoform	10.86	173	50902	51.45	ug/l #	99
73) Isopropylbenzene	11.02	105	321609	55.80	ug/l	99
74) N-amyl acetate	6.47	43	193811	64.48	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	109075	51.25	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	126371	71.43	ug/l	82
77) Bromobenzene	11.26	156	81724	52.21	ug/l	98
78) n-propylbenzene	11.36	91	384996	57.85	ug/l	100
79) 2-Chlorotoluene	11.42	91	221578	54.78	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	277757	56.97	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	33152	58.06	ug/l	92
82) 4-Chlorotoluene	11.51	91	264858	55.59	ug/l	99
83) tert-Butylbenzene	11.77	119	269580	56.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	289450	57.76	ug/l	99
85) sec-Butylbenzene	11.95	105	338478	59.44	ug/l	100
86) p-Isopropyltoluene	12.07	119	303457	59.37	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	163176	55.98	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	163815	54.05	ug/l	99
89) n-Butylbenzene	12.39	91	272628	59.18	ug/l	99
90) Hexachloroethane	12.60	117	45364	58.61	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	156093	52.41	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23529	53.11	ug/l	97

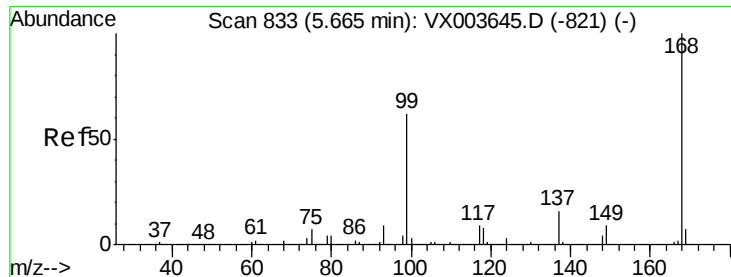
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115442	54.32	ug/l	99
94) Hexachlorobutadiene	13.79	225	53331	54.24	ug/l	99
95) Naphthalene	13.83	128	355125	55.25	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115745	53.62	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. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

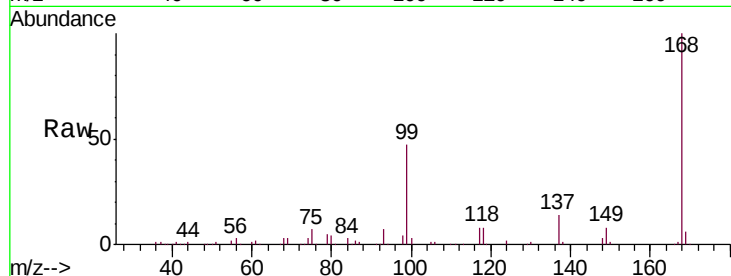
VSTDCCC050

Tot Ion:168 Resp: 126275

Ion Ratio Lower Upper

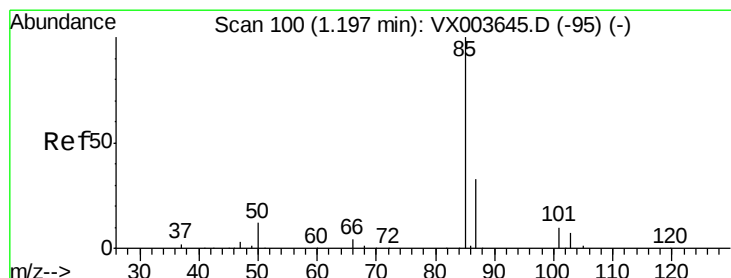
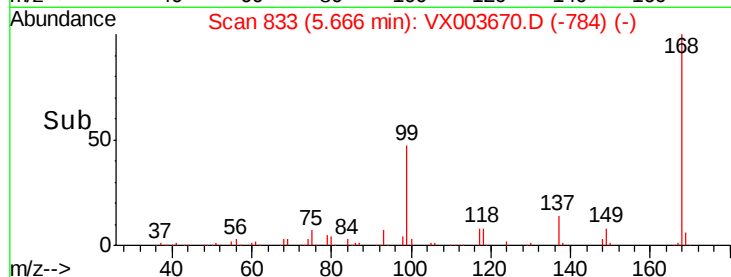
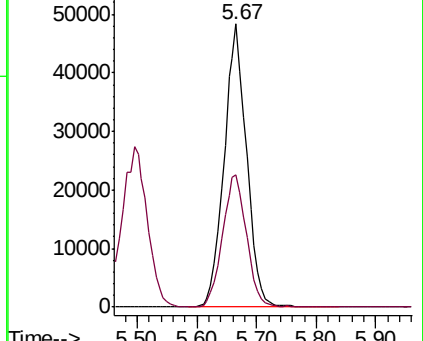
168 100

99 46.7 49.5 74.3#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.24 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003670.D

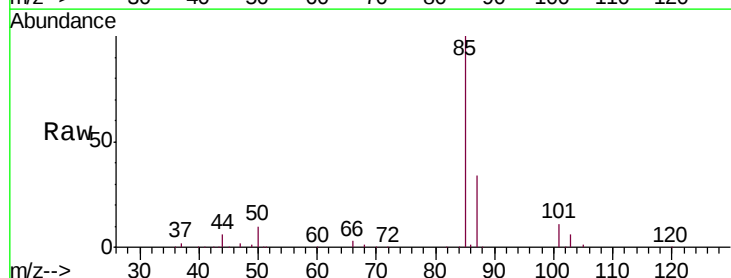
Acq: 26 Jul 2018 12:56

Tgt Ion: 85 Resp: 66500

Ion Ratio Lower Upper

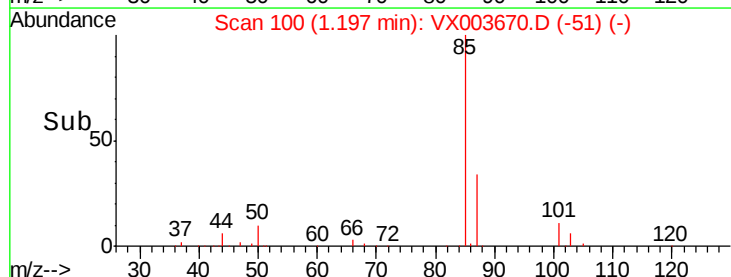
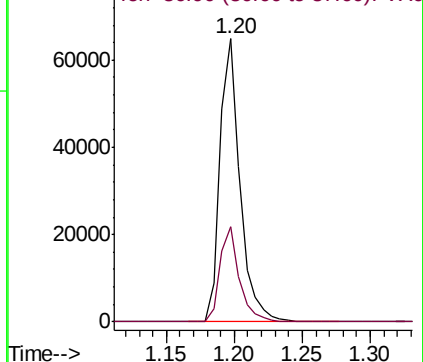
85 100

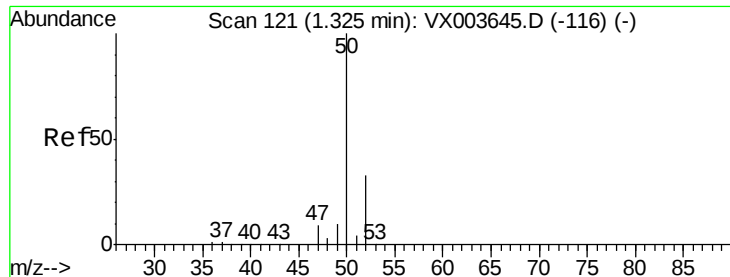
87 33.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.43 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

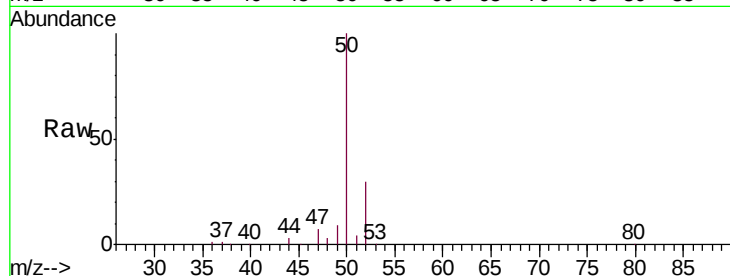
VSTDCCC050

Tot Ion: 50 Resp: 87960

Ion Ratio Lower Upper

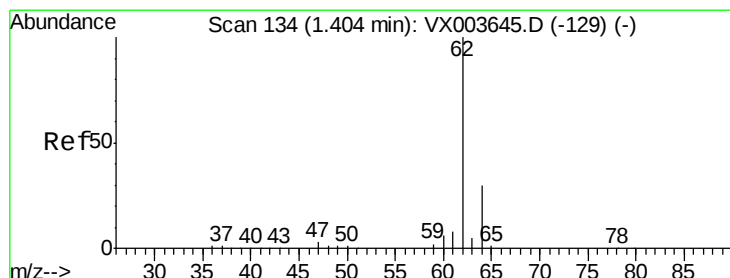
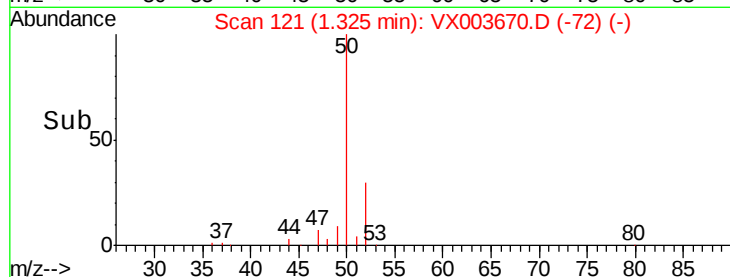
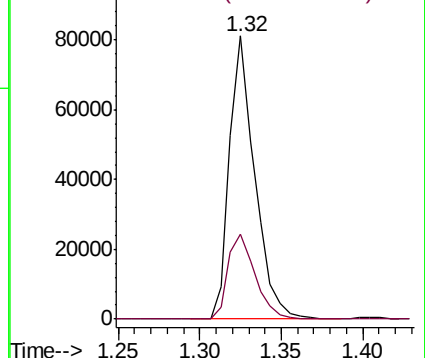
50 100

52 30.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.86 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003670.D

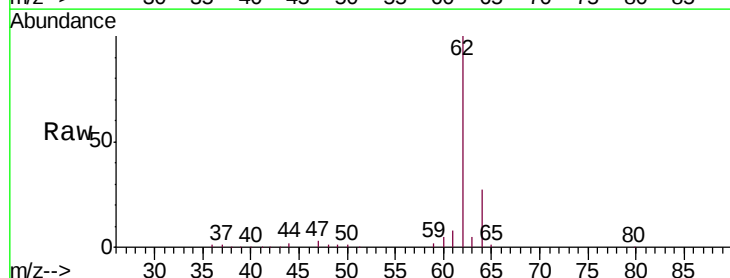
Acq: 26 Jul 2018 12:56

Tgt Ion: 62 Resp: 94664

Ion Ratio Lower Upper

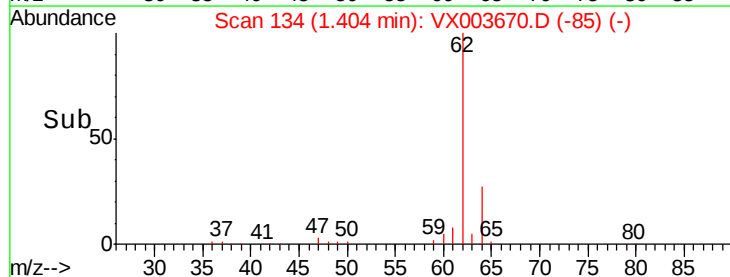
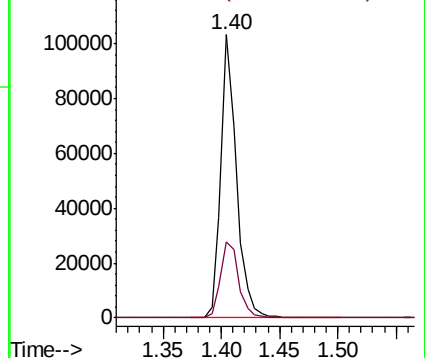
62 100

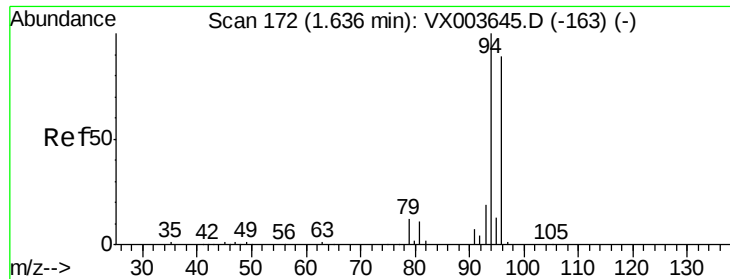
64 27.1 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.95 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

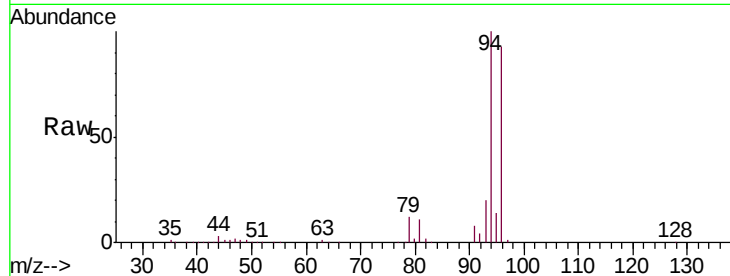
VSTDCCC050

Tot Ion: 94 Resp: 48607

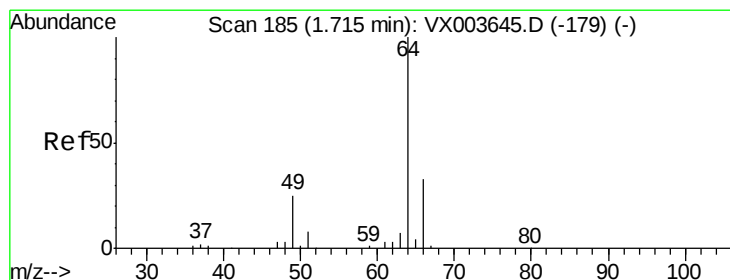
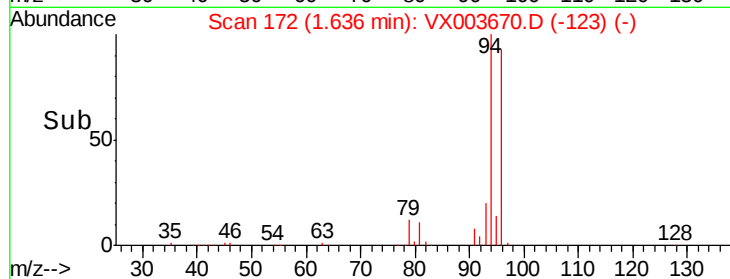
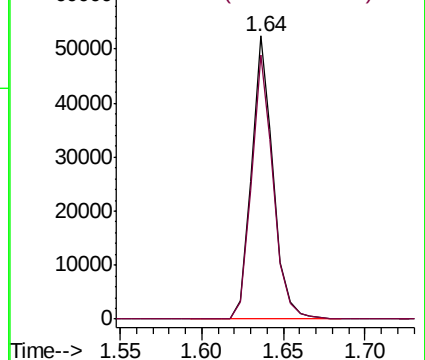
Ion Ratio Lower Upper

94 100

96 93.4 71.3 106.9



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.11 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003670.D

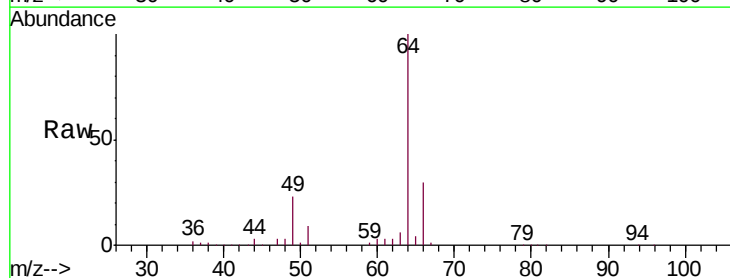
Acq: 26 Jul 2018 12:56

Tgt Ion: 64 Resp: 58285

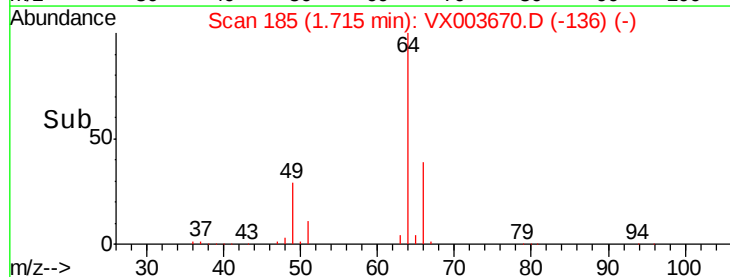
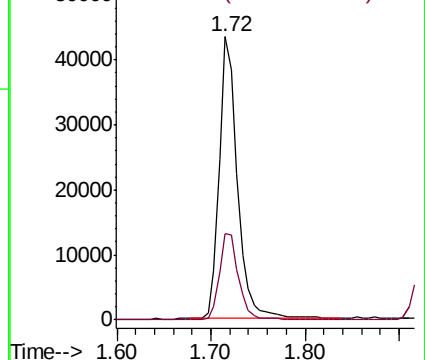
Ion Ratio Lower Upper

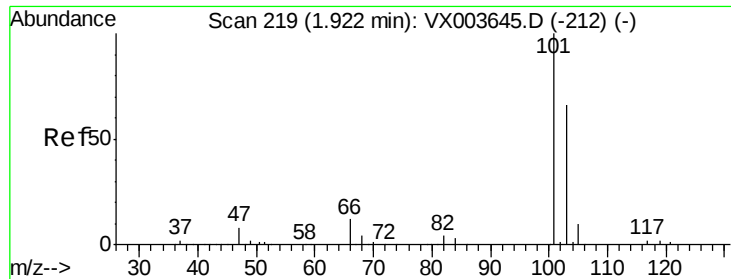
64 100

66 30.5 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



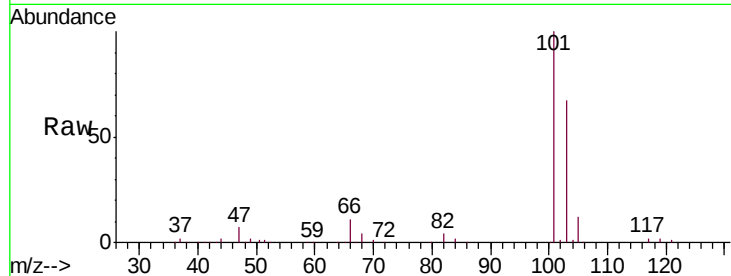


#7

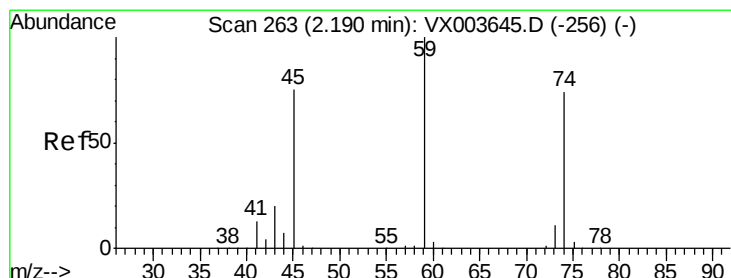
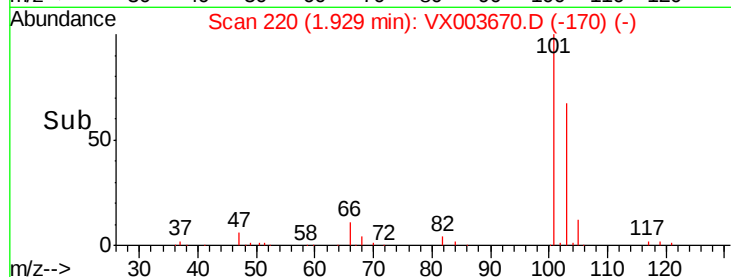
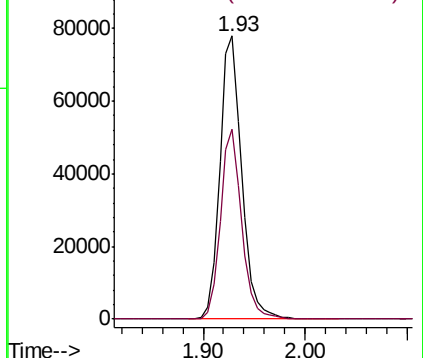
Trichlorofluoromethane
 Concen: 46.69 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 116452
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.2 79.8



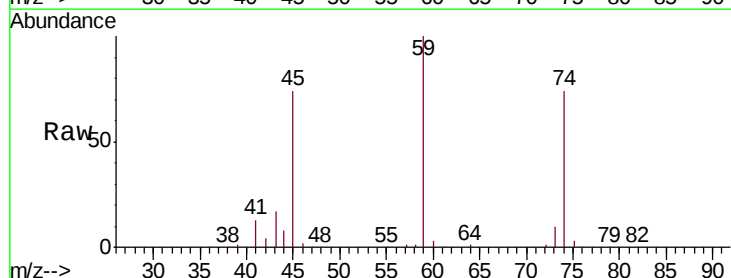
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



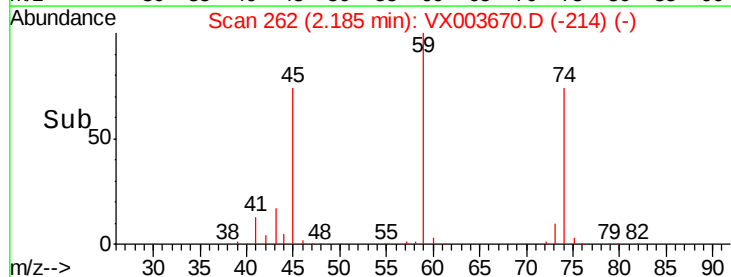
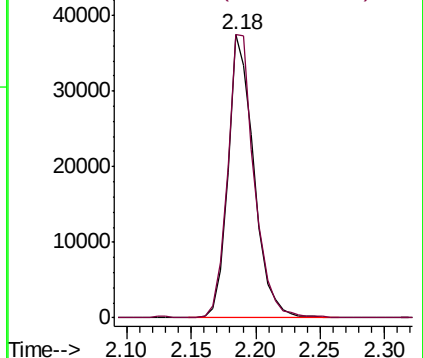
#8

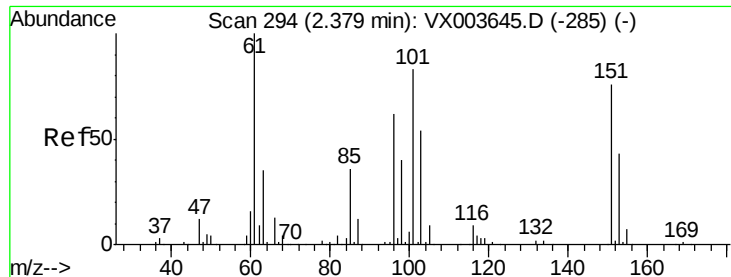
Diethyl Ether
 Concen: 47.87 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Tgt Ion: 74 Resp: 52320
 Ion Ratio Lower Upper
 74 100
 45 103.9 51.0 153.1



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.33 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

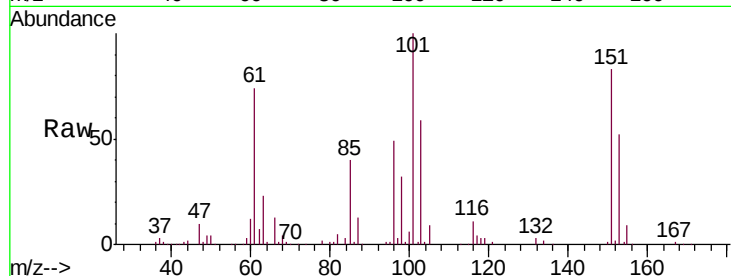
Tot Ion:101 Resp: 77251

Ion Ratio Lower Upper

101 100

85 42.1 34.6 52.0

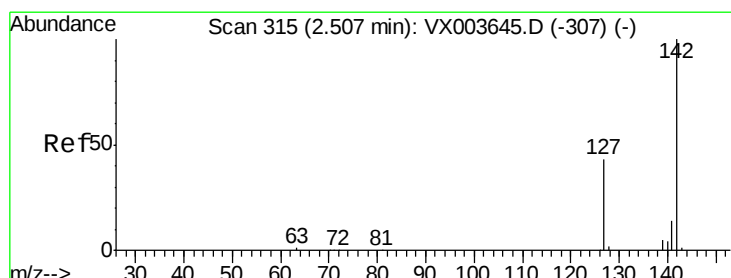
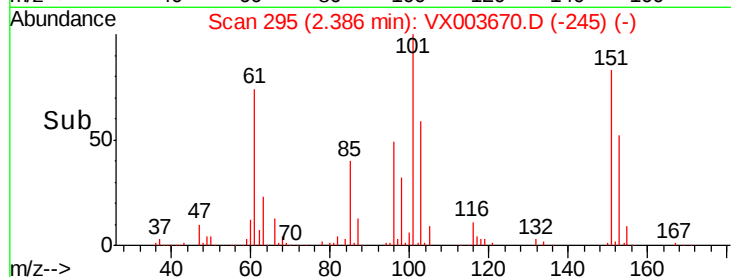
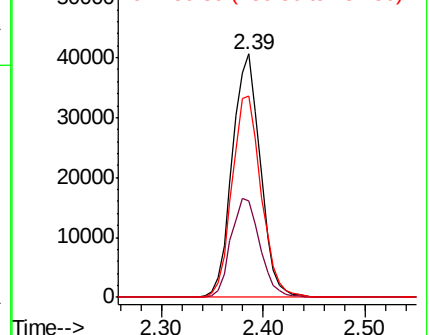
151 86.0 67.5 101.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.88 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

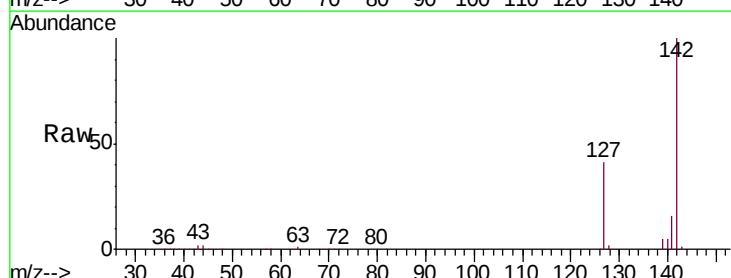
Tgt Ion:142 Resp: 105398

Ion Ratio Lower Upper

142 100

127 39.5 34.0 51.0

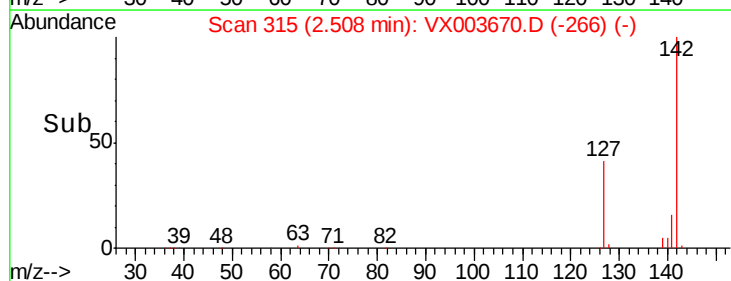
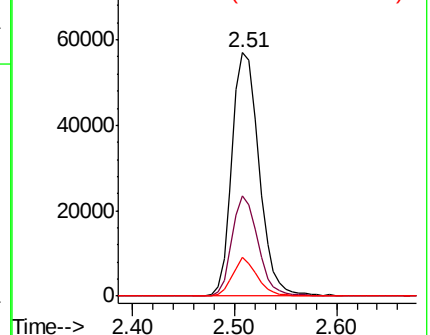
141 14.2 11.3 16.9

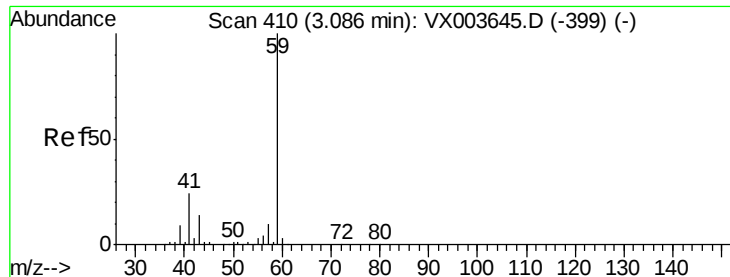


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



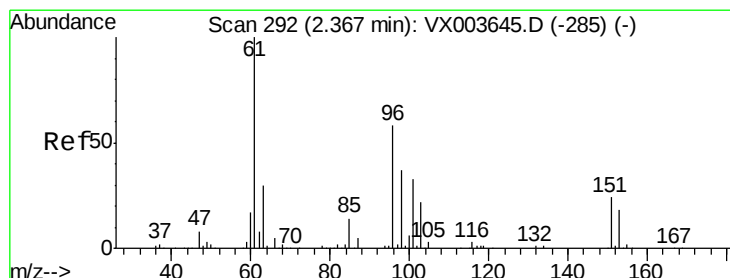
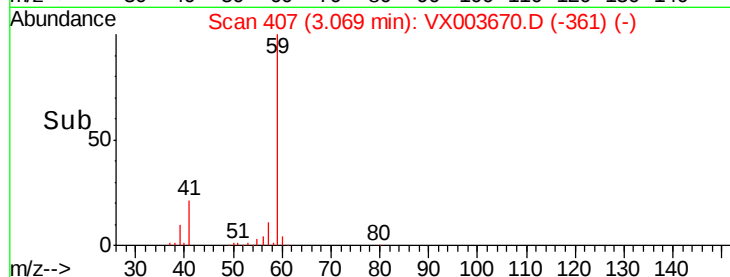
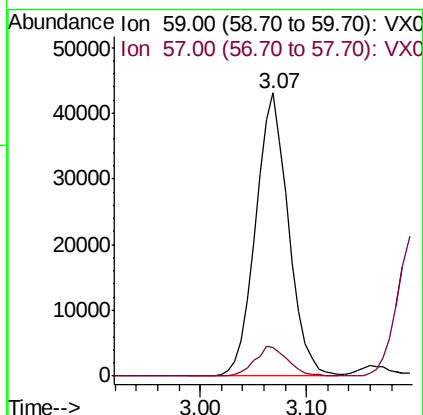
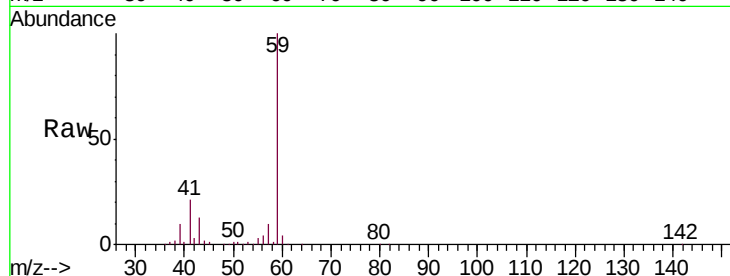


#11

Tert butyl alcohol
Concen: 207.87 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

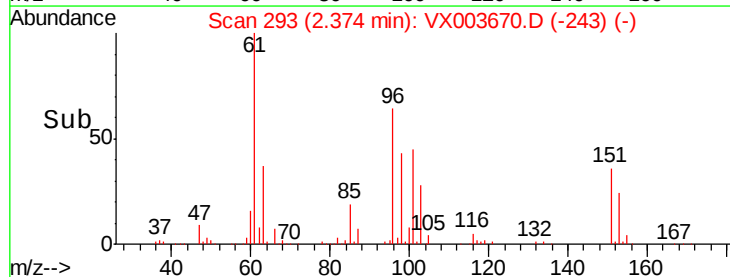
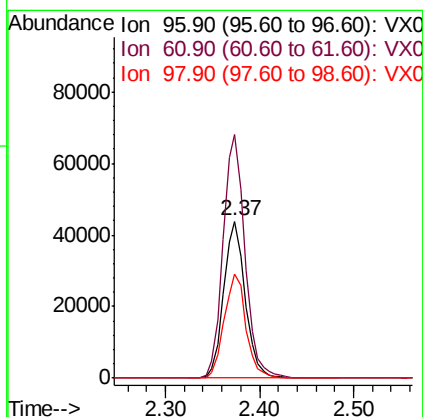
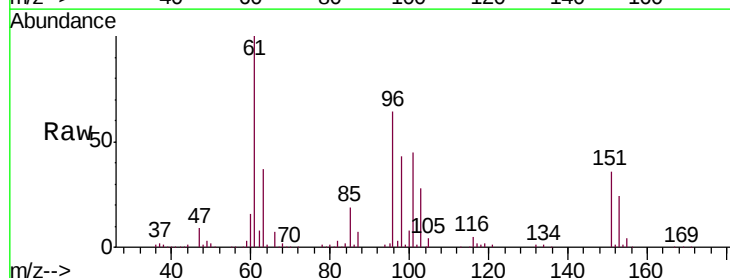
Tot Ion: 59 Resp: 92944
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

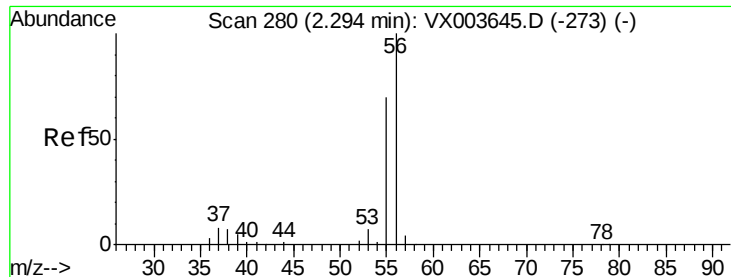


#12

1,1-Dichloroethene
Concen: 47.60 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 96 Resp: 69529
Ion Ratio Lower Upper
96 100
61 155.4 138.8 208.2
98 66.7 51.4 77.2





#13

Acrolein

Concen: 208.77 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

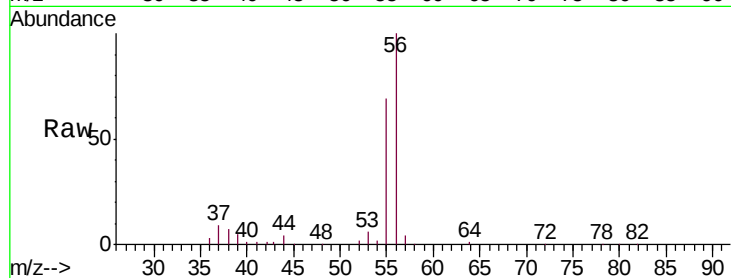
VSTDCCC050

Tot Ion: 56 Resp: 47047

Ion Ratio Lower Upper

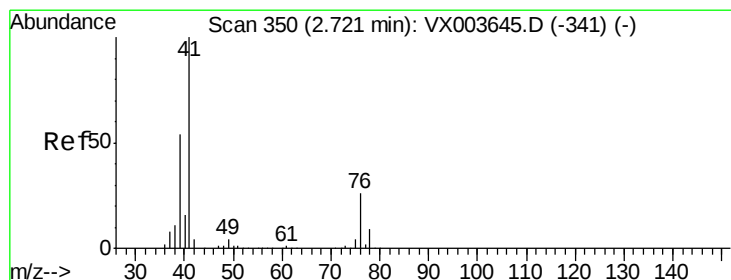
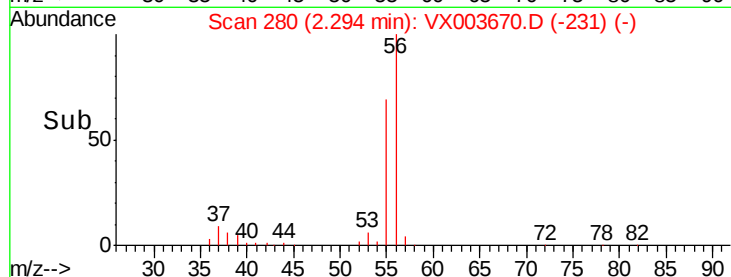
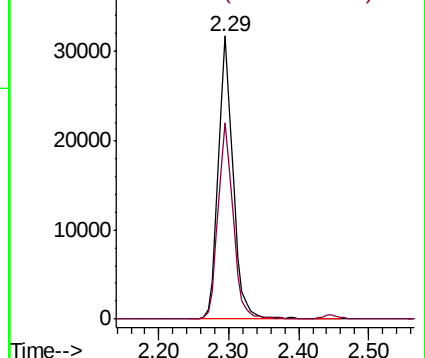
56 100

55 70.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.49 ug/l

RT: 2.72 min Scan# 350

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

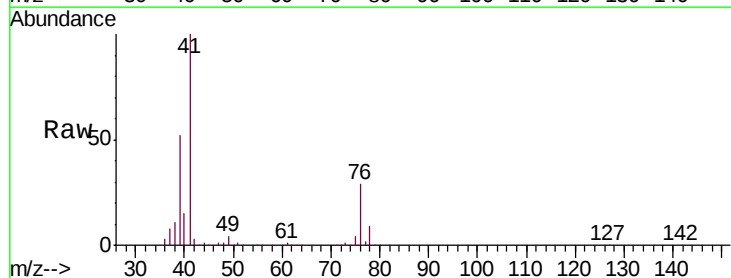
Tgt Ion: 41 Resp: 138514

Ion Ratio Lower Upper

41 100

39 55.4 45.3 67.9

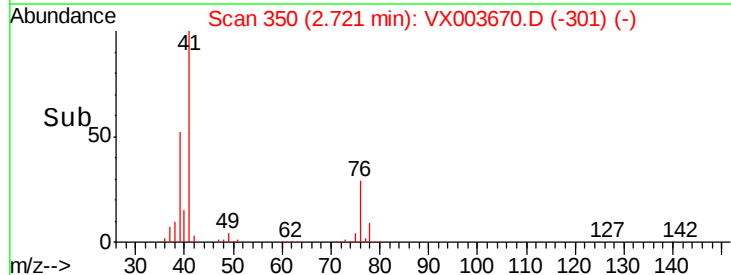
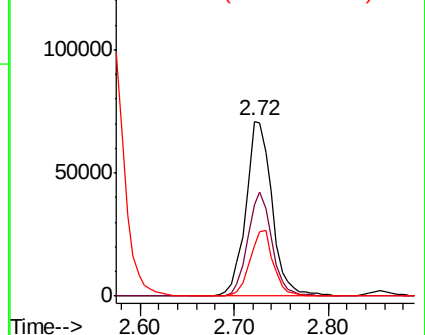
76 33.6 23.8 35.6

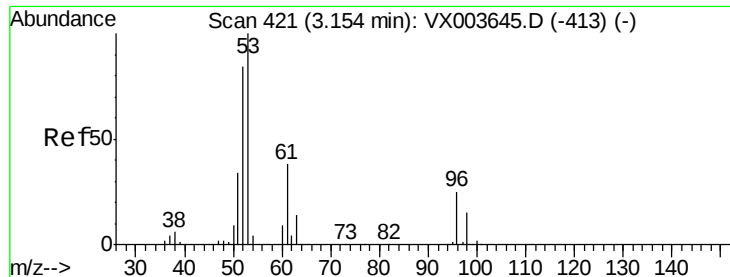


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 217.76 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

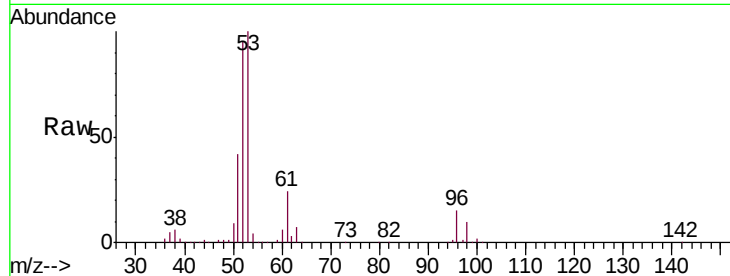
Tot Ion: 53 Resp: 235255

Ion Ratio Lower Upper

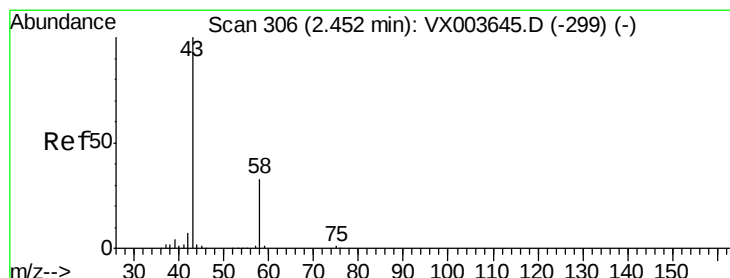
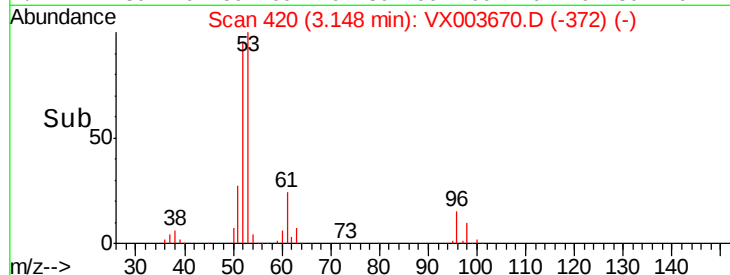
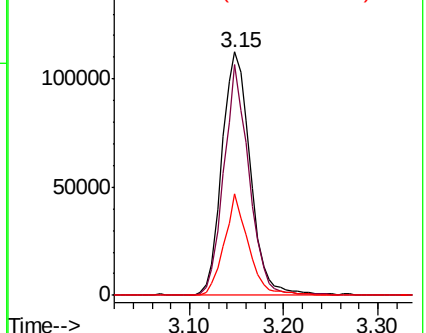
53 100

52 85.2 66.1 99.1

51 35.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 215.81 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003670.D

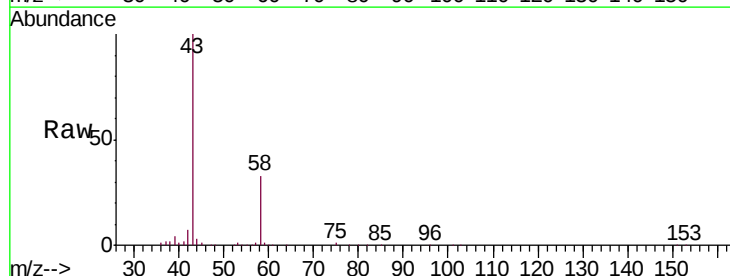
Acq: 26 Jul 2018 12:56

Tgt Ion: 43 Resp: 189642

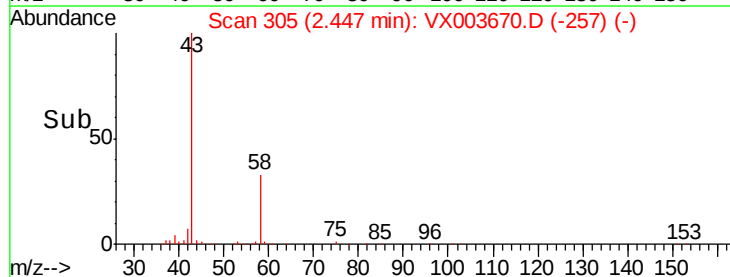
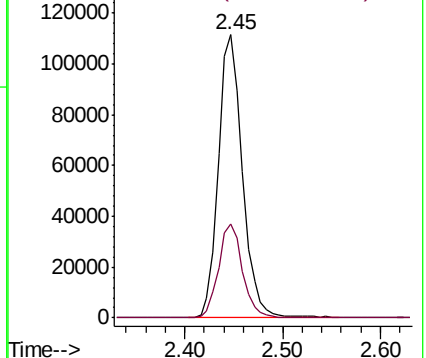
Ion Ratio Lower Upper

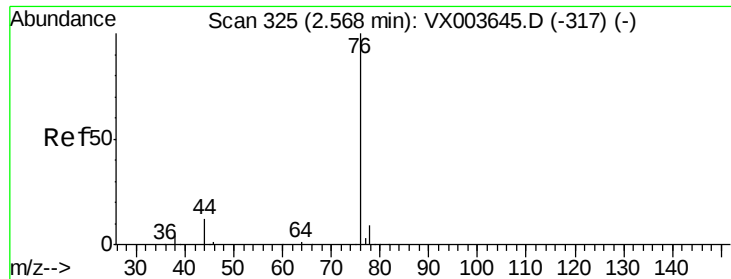
43 100

58 33.2 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

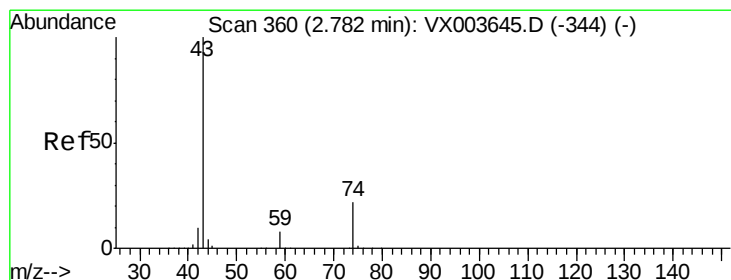
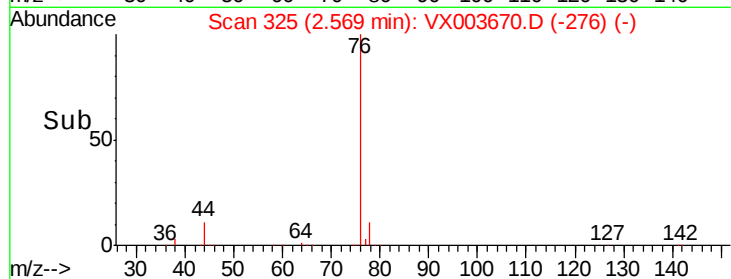
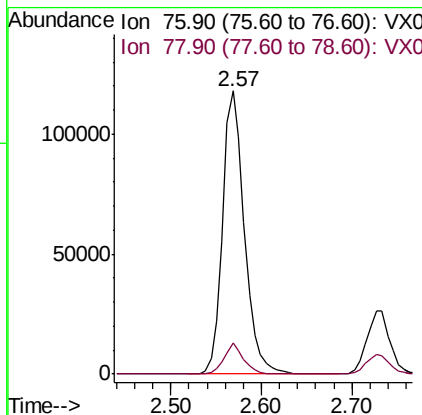
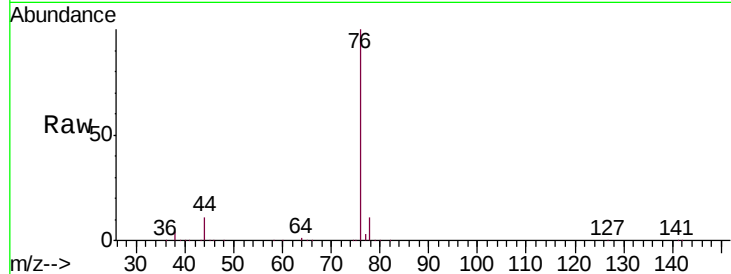




#17
Carbon Disulfide
Concen: 46.94 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

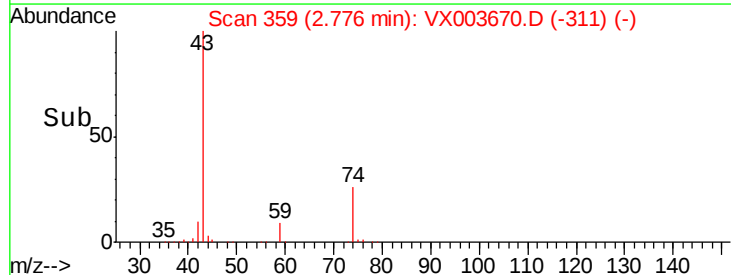
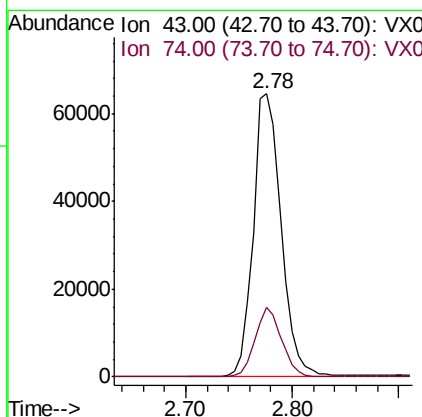
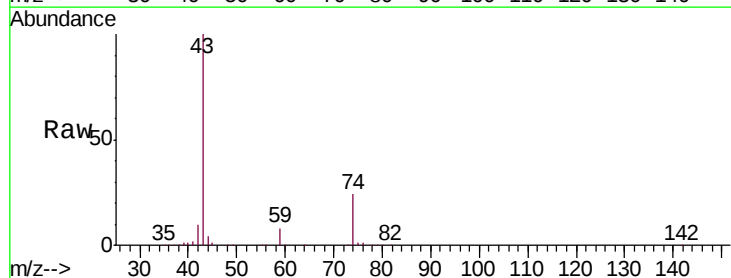
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

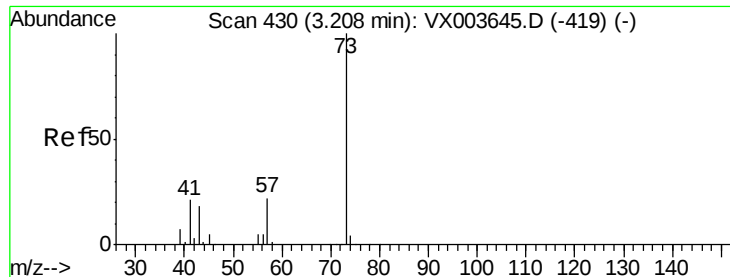
Tot Ion: 76 Resp: 197217
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.0



#18
Methyl Acetate
Concen: 44.65 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 43 Resp: 118492
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.8

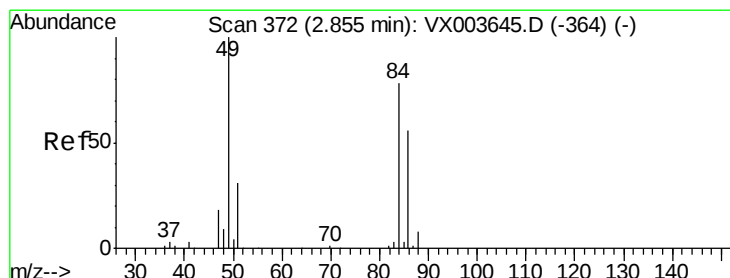
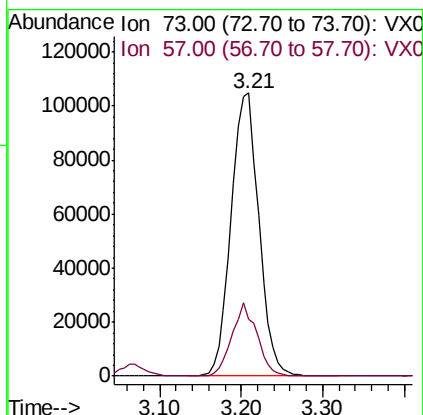
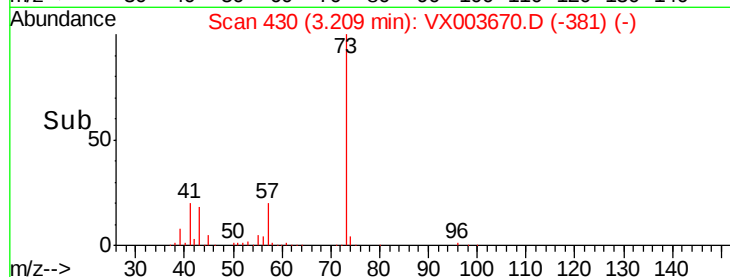
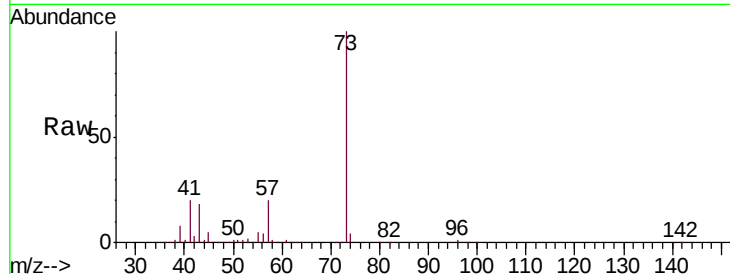




#19
Methyl tert-butyl Ether
Concen: 47.68 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

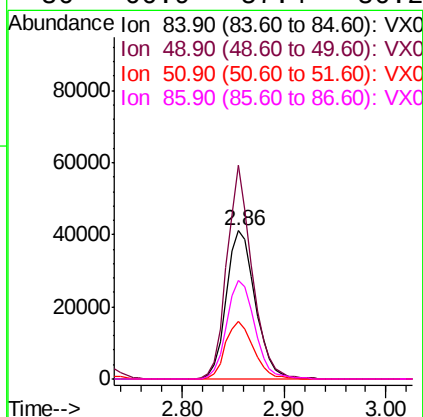
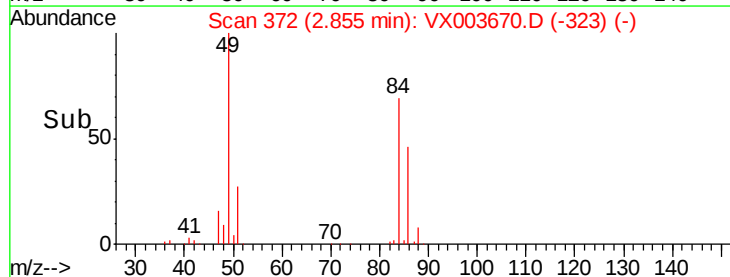
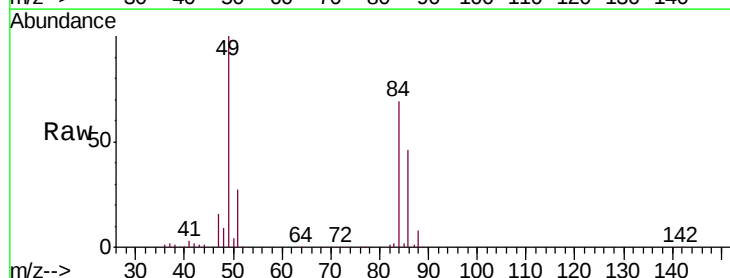
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

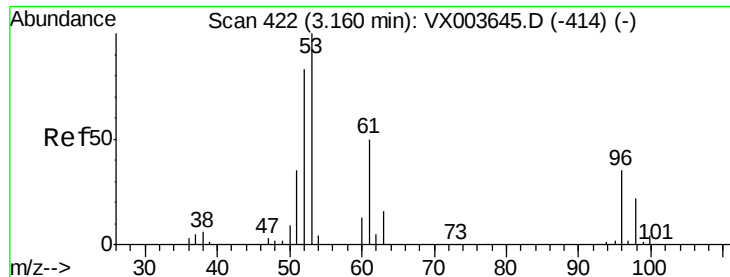
Tot Ion: 73 Resp: 245943
Ion Ratio Lower Upper
73 100
57 19.9 17.4 26.2



#20
Methylene Chloride
Concen: 46.47 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 84 Resp: 80922
Ion Ratio Lower Upper
84 100
49 144.2 102.3 153.5
51 38.9 31.8 47.8
86 66.9 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 48.04 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

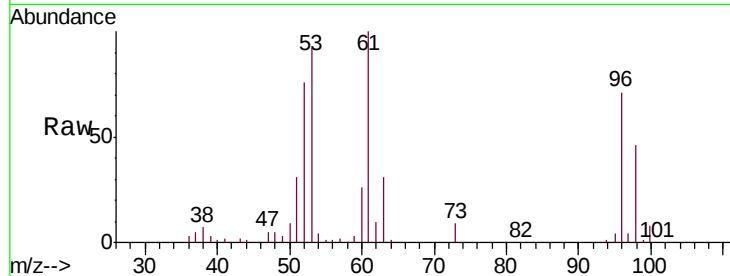
Tot Ion: 96 Resp: 75454

Ion Ratio Lower Upper

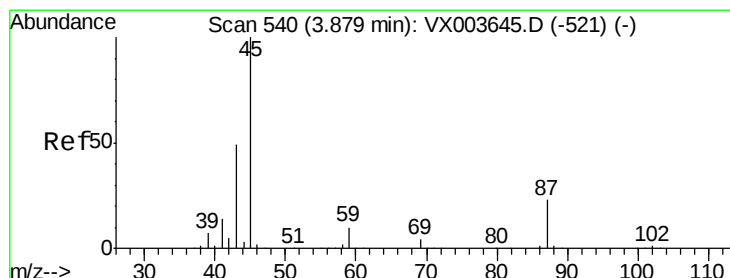
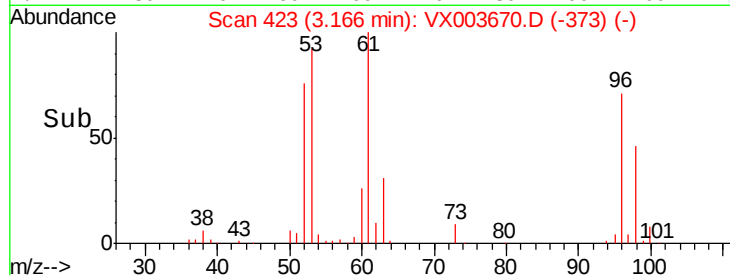
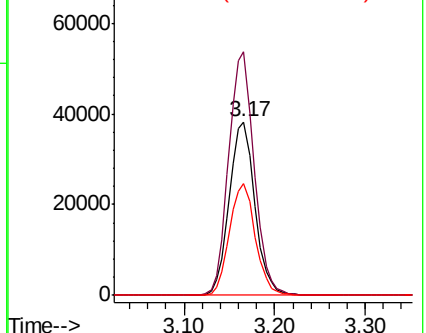
96 100

61 140.3 115.0 172.4

98 64.5 49.7 74.5



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



#22

Diisopropyl ether

Concen: 48.26 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Tgt Ion: 45 Resp: 268282

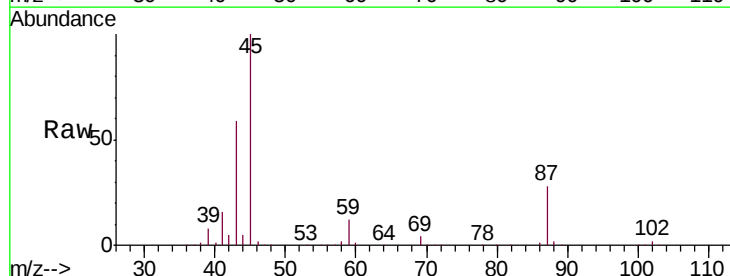
Ion Ratio Lower Upper

45 100

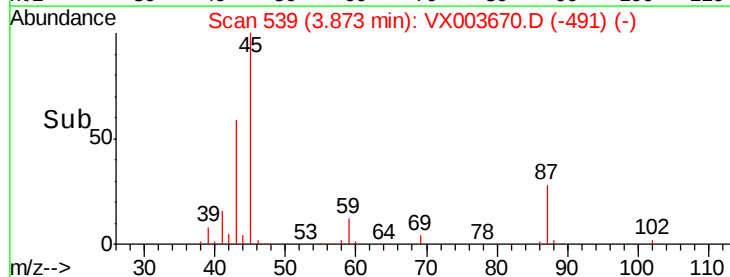
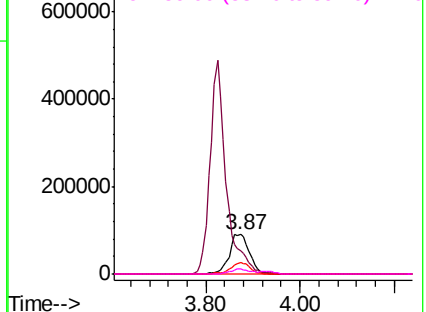
43 58.9 39.0 58.4#

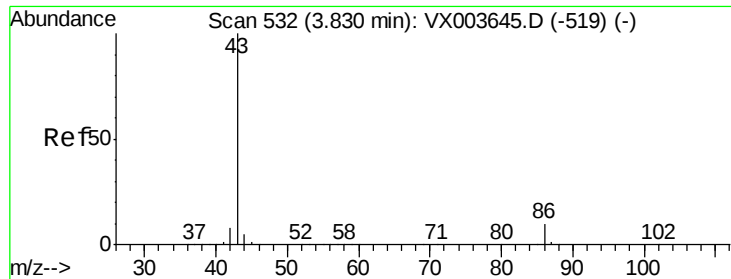
87 27.9 18.4 27.6#

59 12.1 7.8 11.8#



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





#23

Vinyl Acetate

Concen: 241.89 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

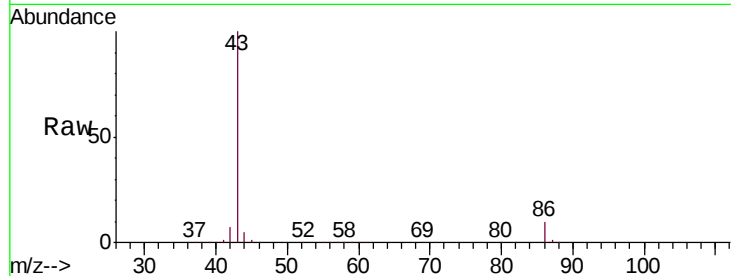
VSTDCCC050

Tot Ion: 43 Resp: 1151914

Ion Ratio Lower Upper

43 100

86 9.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX003670.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VX003670.D (-483) (-)

3.82

500000

400000

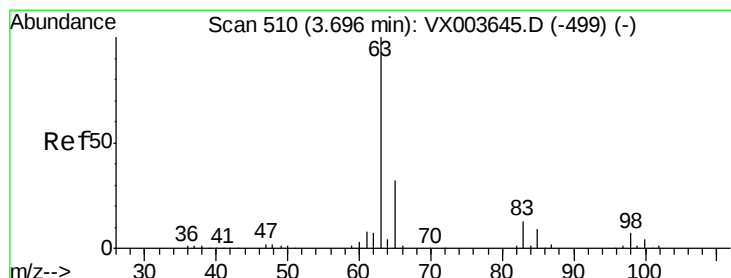
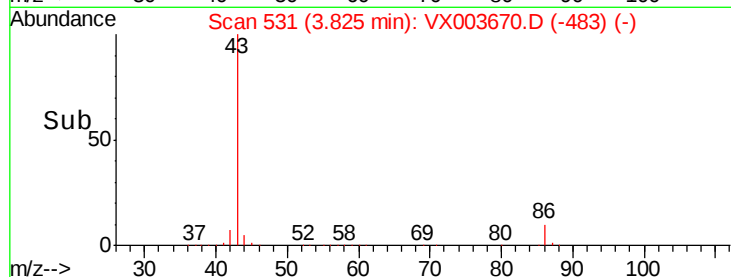
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 45.41 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

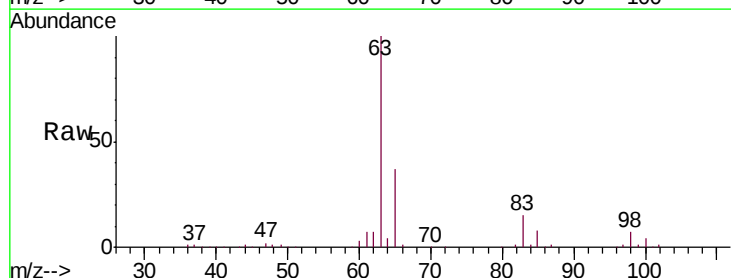
Tgt Ion: 63 Resp: 142280

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX003670.D (-461) (-)

Ion 97.90 (97.60 to 98.60): VX003670.D (-461) (-)

Ion 99.90 (99.60 to 100.60): VX003670.D (-461) (-)

3.70

80000

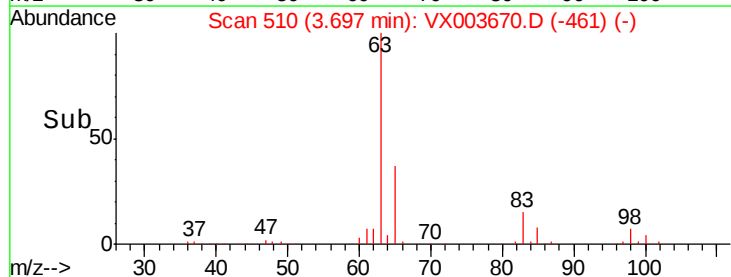
60000

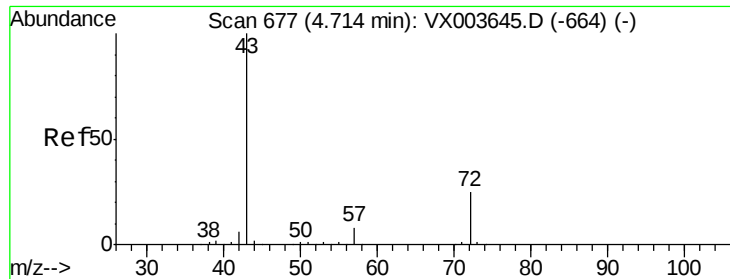
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 246.13 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

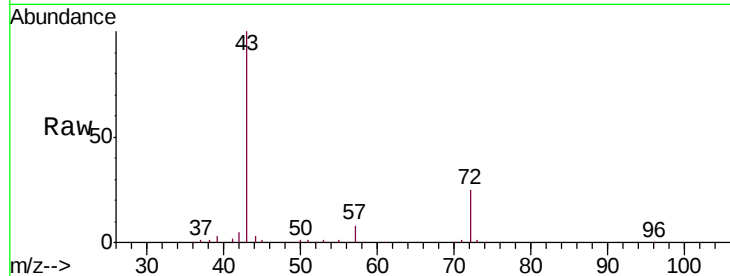
VSTDCCC050

Tot Ion: 43 Resp: 334127

Ion Ratio Lower Upper

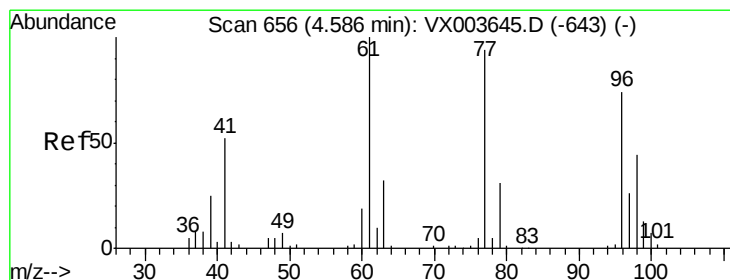
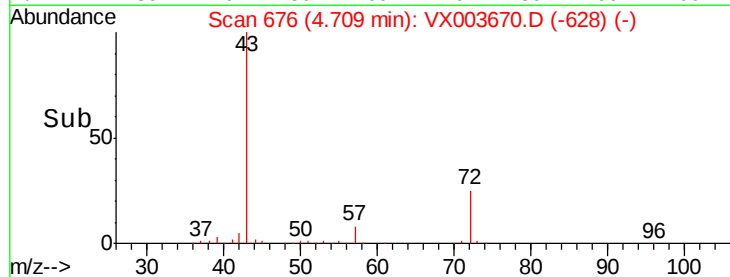
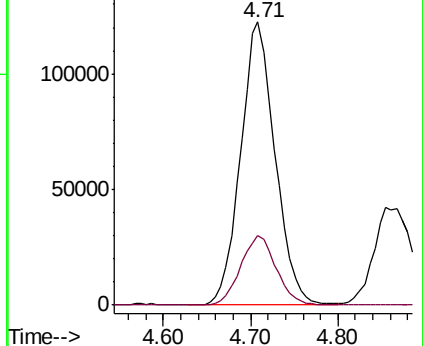
43 100

72 24.6 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 60.70 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003670.D

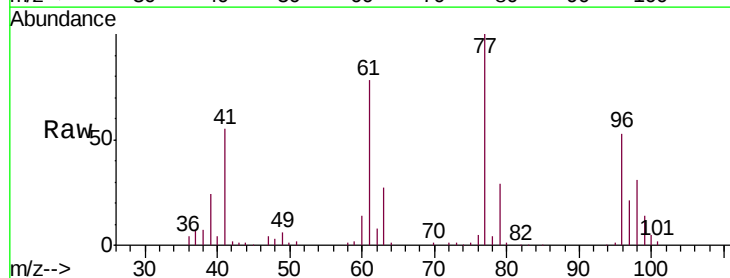
Acq: 26 Jul 2018 12:56

Tgt Ion: 77 Resp: 120255

Ion Ratio Lower Upper

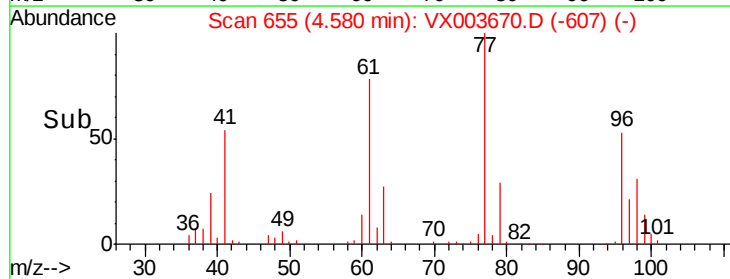
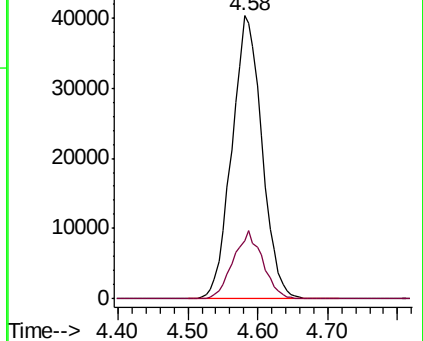
77 100

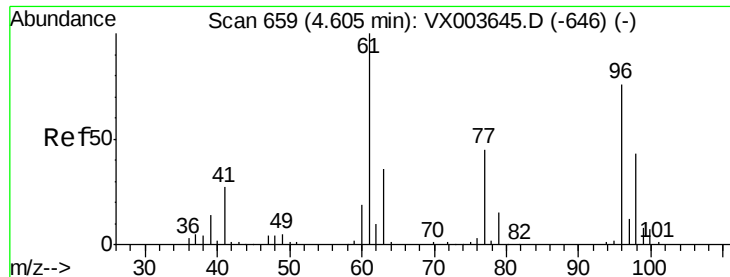
97 23.6 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 51.79 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

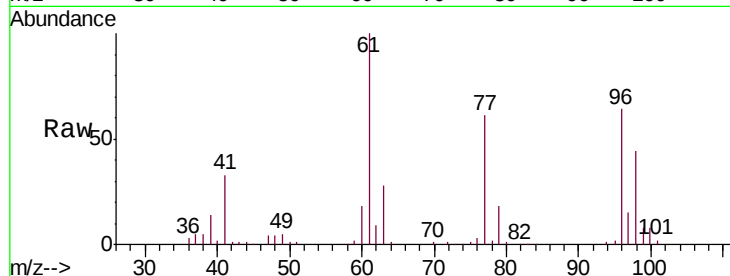
Tot Ion: 96 Resp: 88319

Ion Ratio Lower Upper

96 100

61 156.2 0.0 313.6

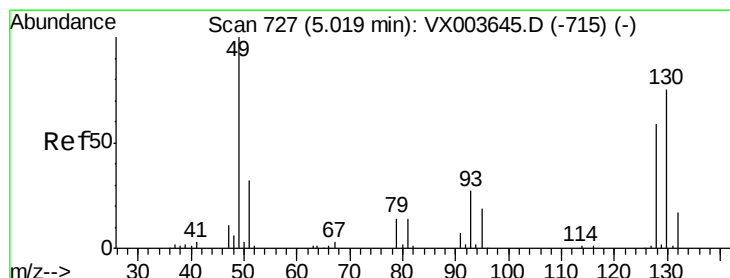
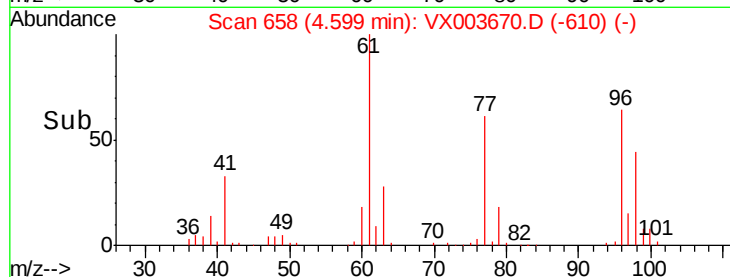
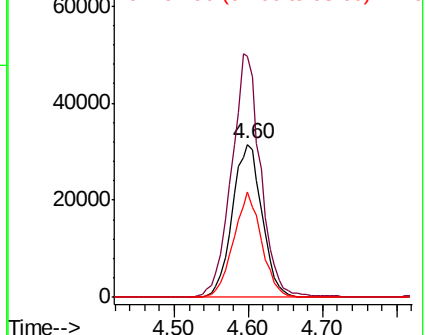
98 64.4 0.0 125.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 42.08 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

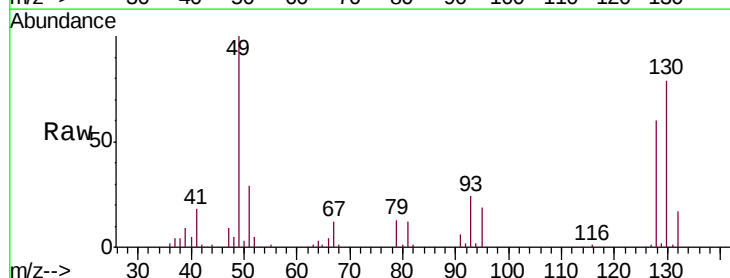
Tgt Ion: 49 Resp: 52911

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

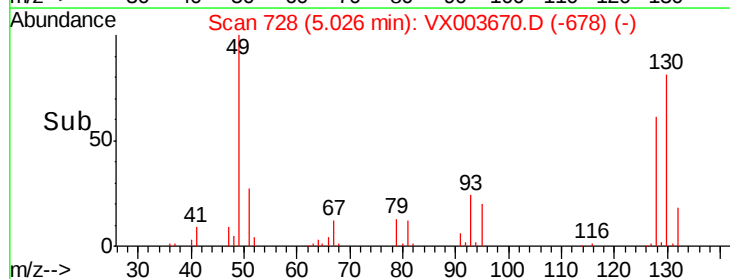
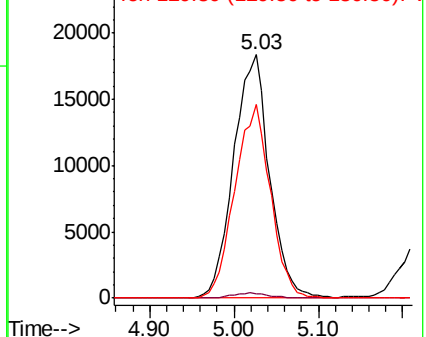
130 78.6 61.0 91.6

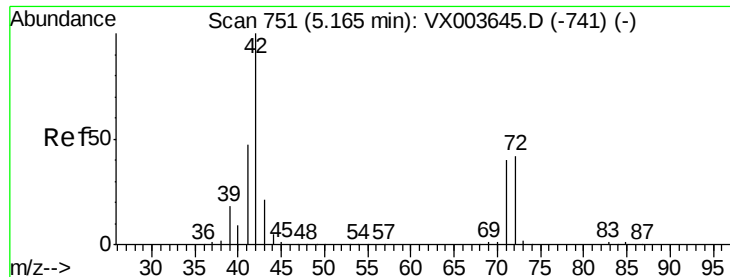


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

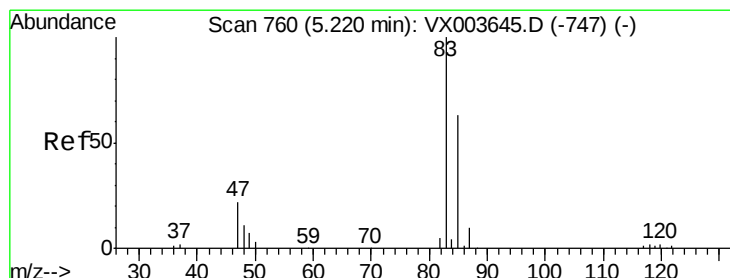
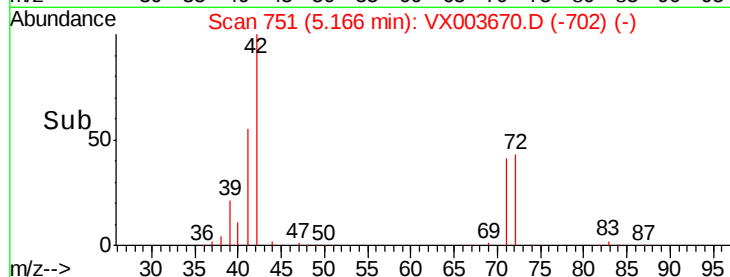
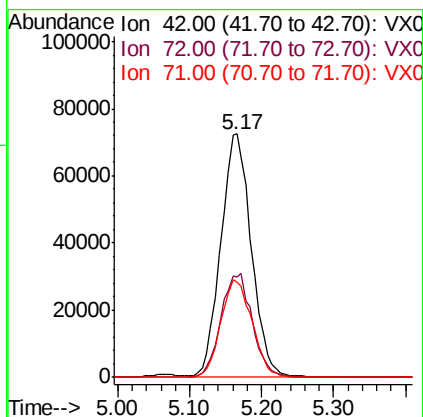
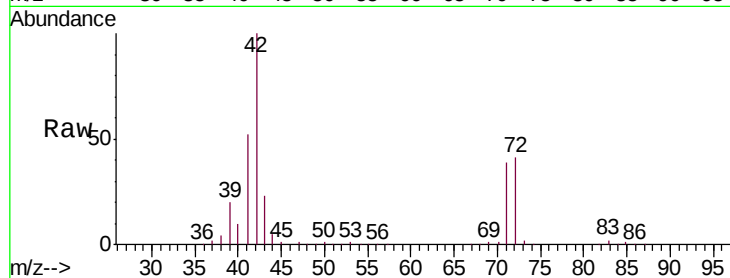




#29
Tetrahydrofuran
Concen: 241.56 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

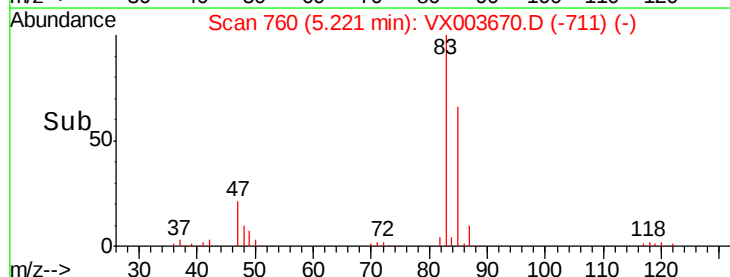
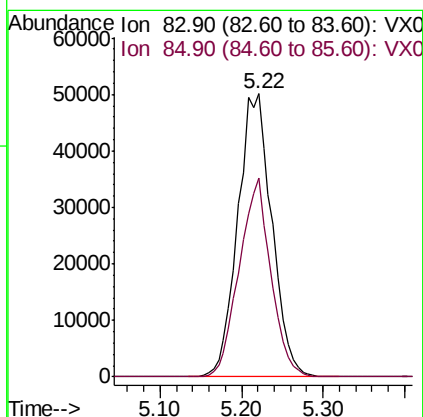
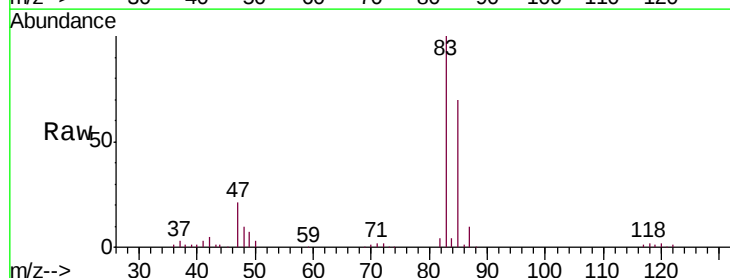
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

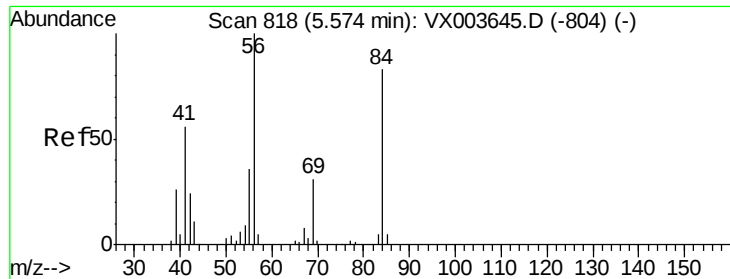
Tot Ion: 42 Resp: 213466
Ion Ratio Lower Upper
42 100
72 43.6 33.4 50.0
71 41.0 31.0 46.6



#30
Chloroform
Concen: 51.13 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 83 Resp: 145304
Ion Ratio Lower Upper
83 100
85 70.2 50.2 75.4





#31

Cyclohexane

Concen: 54.07 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

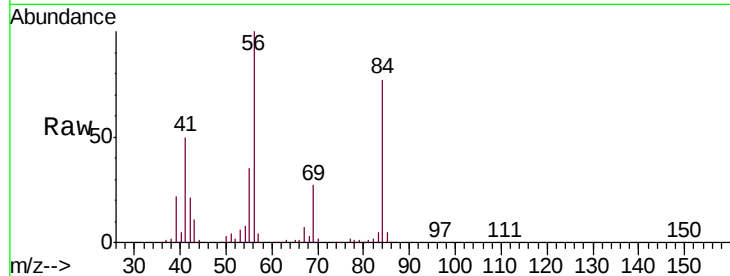
Tot Ion: 56 Resp: 135974

Ion Ratio Lower Upper

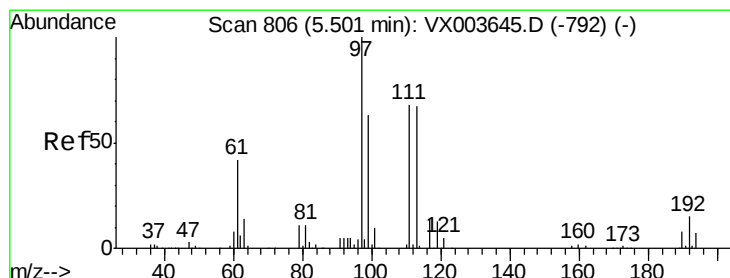
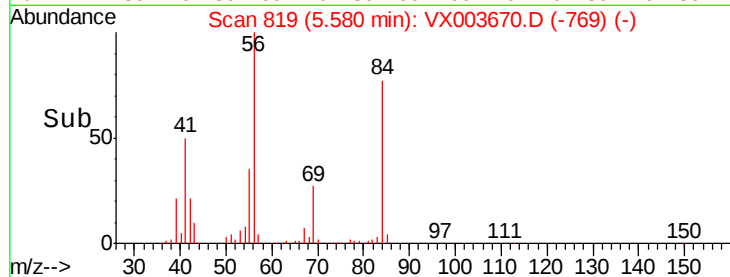
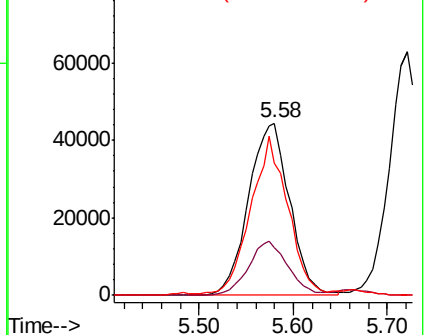
56 100

69 27.4 25.0 37.6

84 75.6 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.32 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

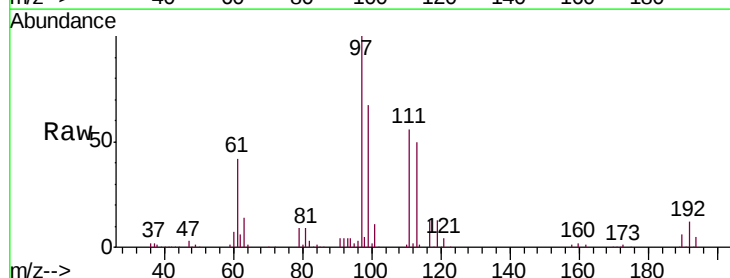
Tgt Ion: 97 Resp: 123482

Ion Ratio Lower Upper

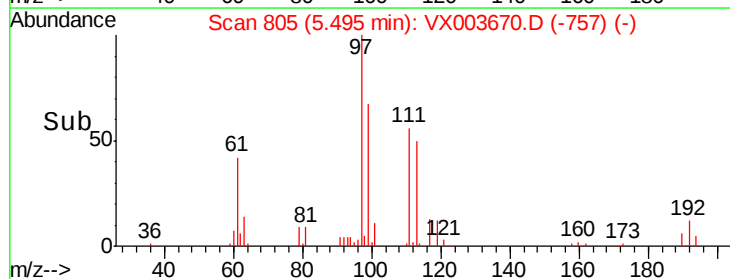
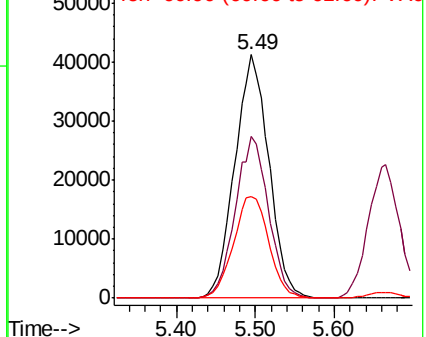
97 100

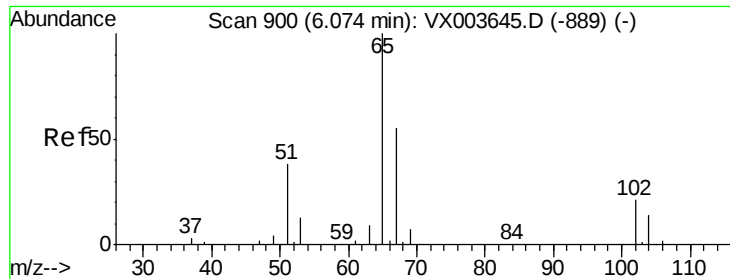
99 64.9 50.4 75.6

61 43.6 34.5 51.7



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

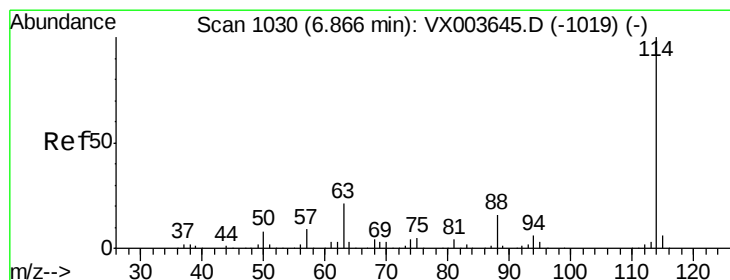
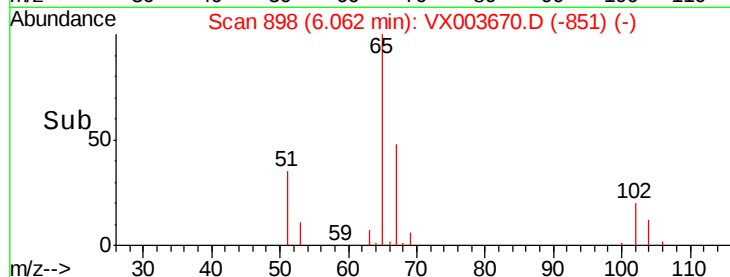
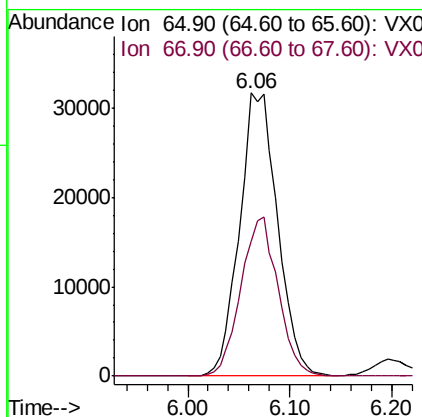
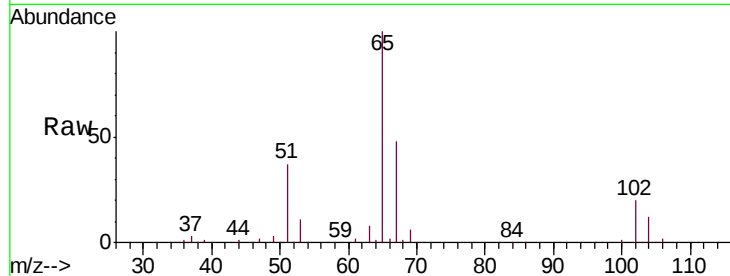




#33
 1,2-Dichloroethane-d4
 Concen: 44.00 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

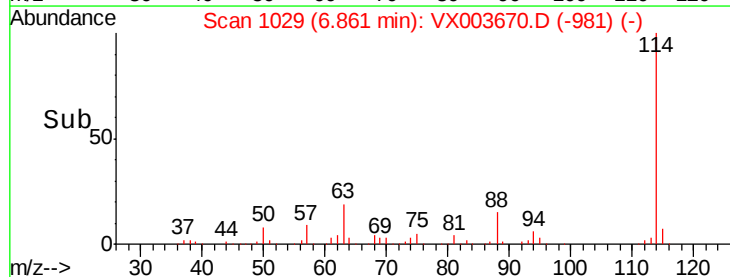
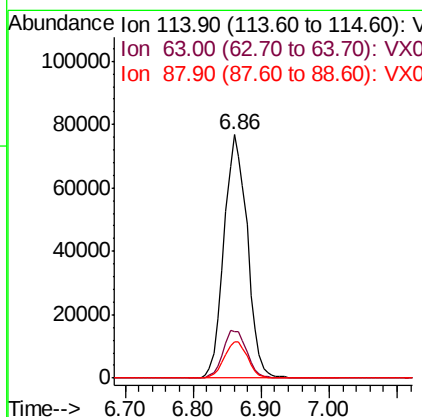
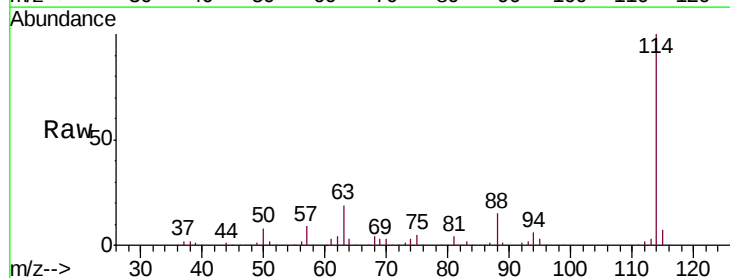
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

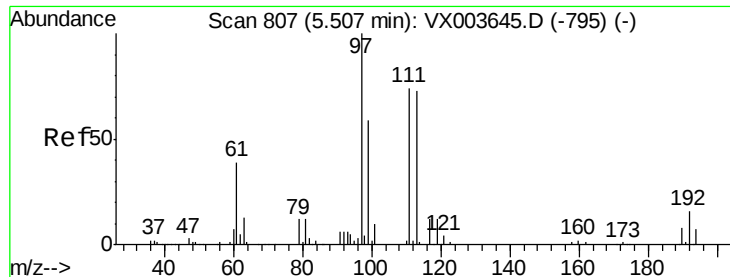
Tot Ion: 65 Resp: 82304
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Tgt Ion: 114 Resp: 182251
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.0
 88 14.8 0.0 31.8

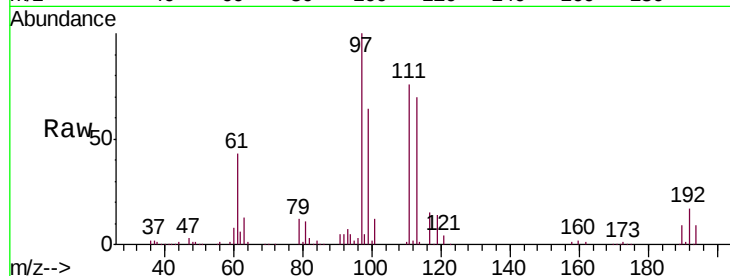




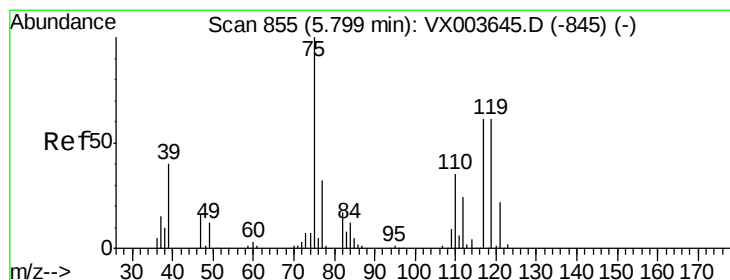
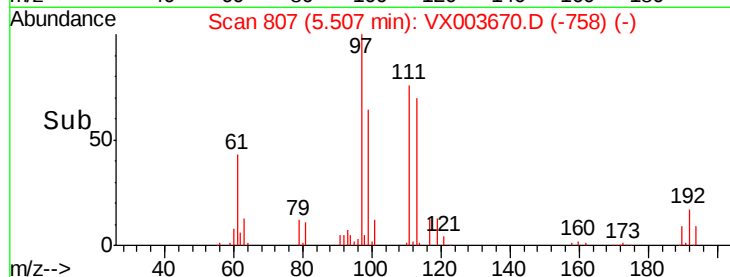
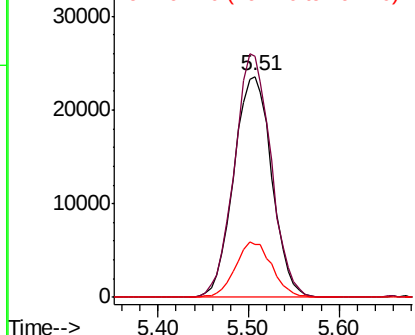
#35
Dibromofluoromethane
Concen: 46.09 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 68666
Ion Ratio Lower Upper
113 100
111 106.4 81.2 121.8
192 24.1 18.2 27.4

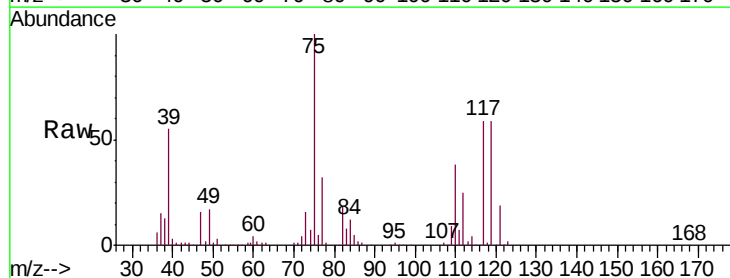


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

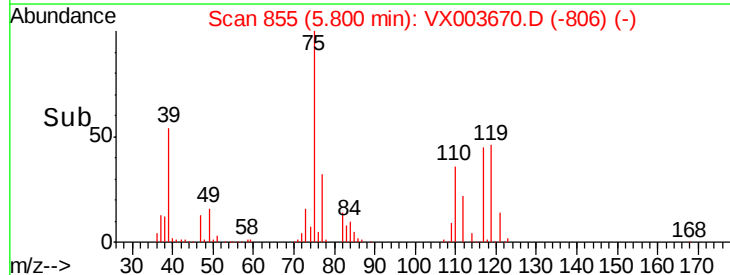
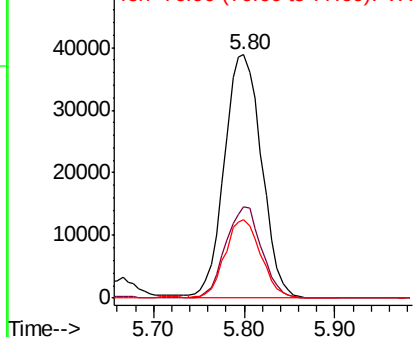


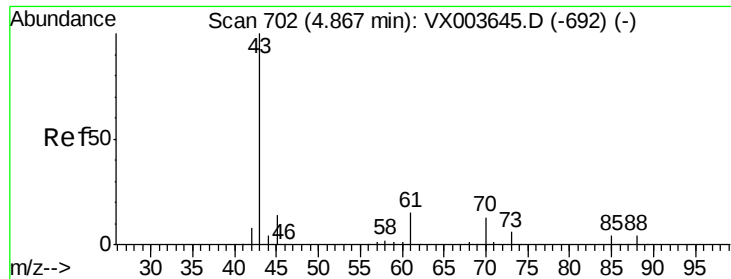
#36
1,1-Dichloropropene
Concen: 52.05 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 75 Resp: 110875
Ion Ratio Lower Upper
75 100
110 36.2 18.1 54.1
77 31.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

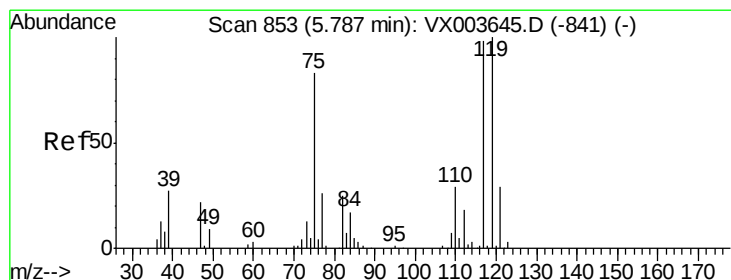
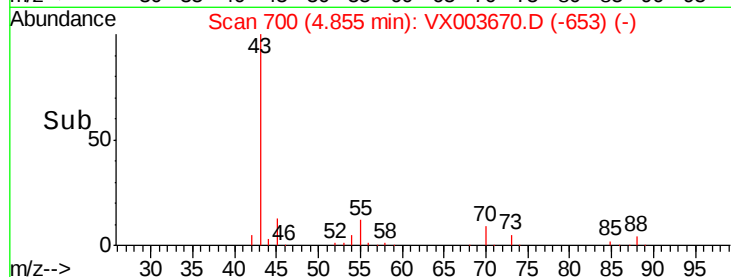
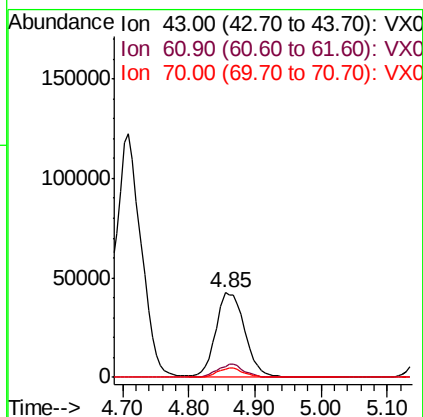
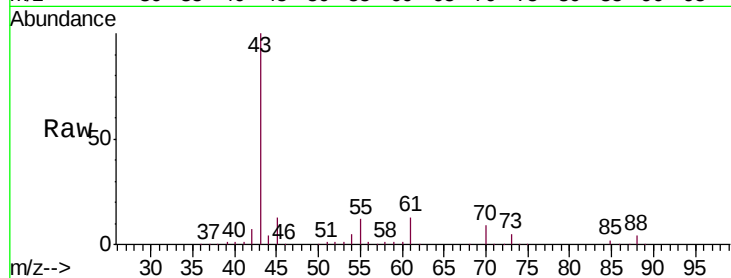




#37
Ethyl Acetate
Concen: 50.25 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

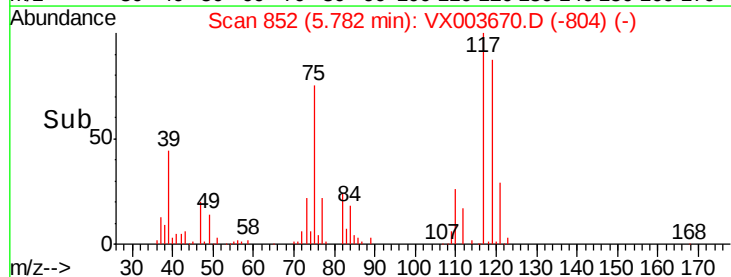
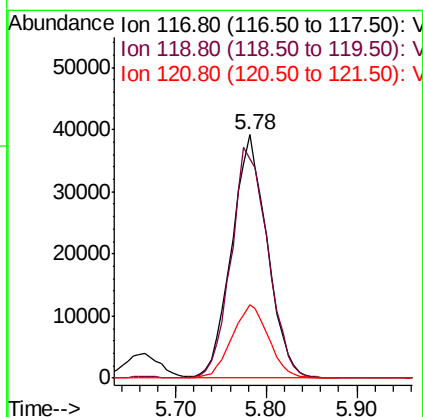
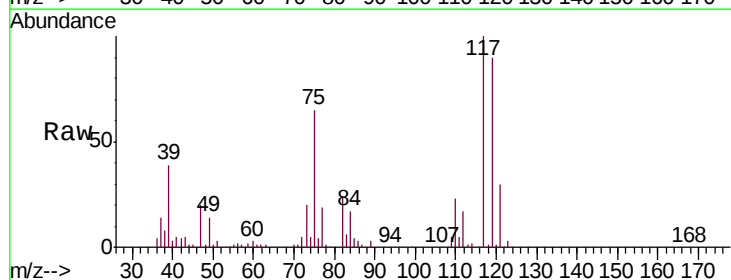
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

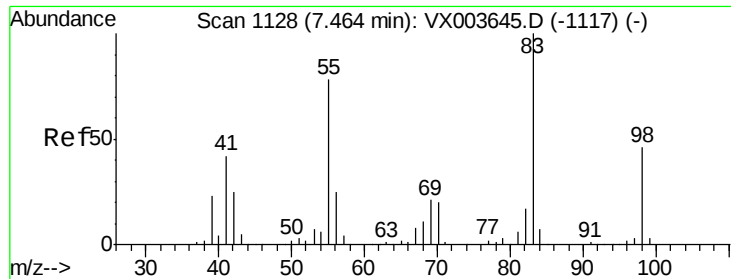
Tot Ion: 43 Resp: 128727
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 10.3 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.06 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 117 Resp: 106902
Ion Ratio Lower Upper
117 100
119 89.9 81.0 121.4
121 29.9 23.7 35.5

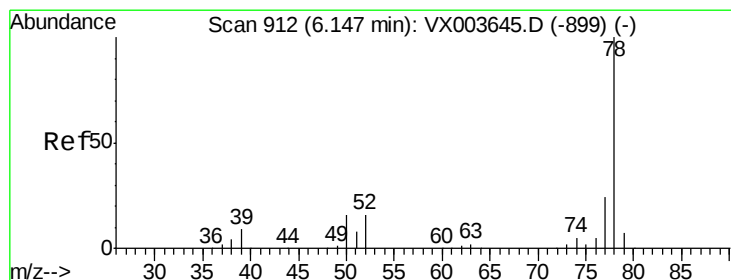
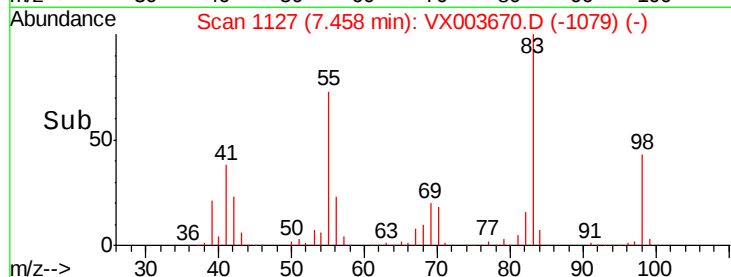
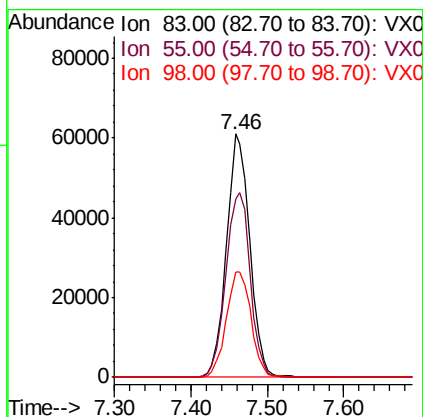
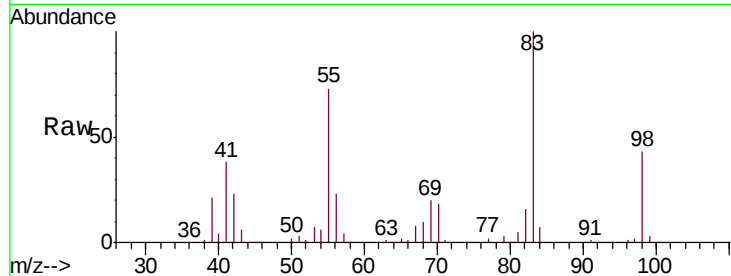




#39
Methvlcvclohexane
Concen: 54.87 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

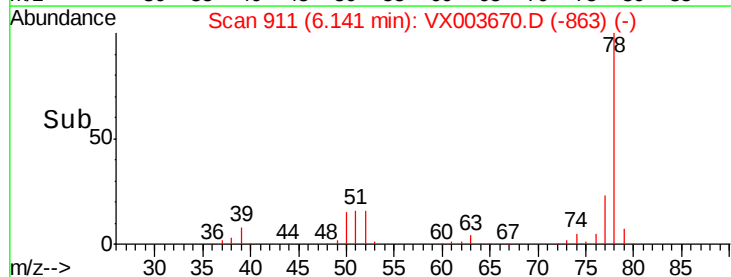
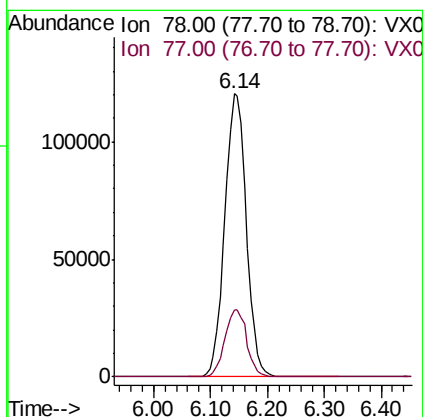
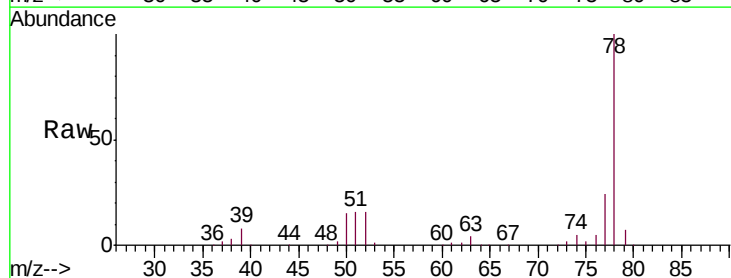
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

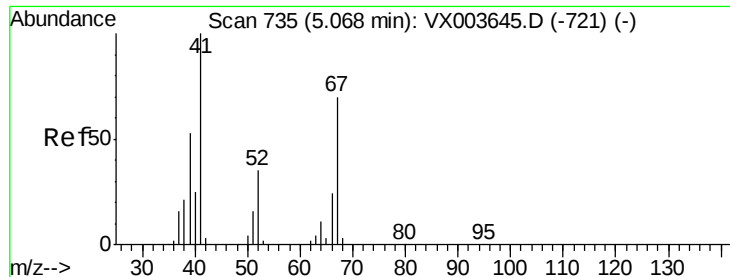
Tot Ion: 83 Resp: 128671
Ion Ratio Lower Upper
83 100
55 73.3 62.6 93.8
98 43.3 36.6 55.0



#40
Benzene
Concen: 50.33 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 78 Resp: 317291
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

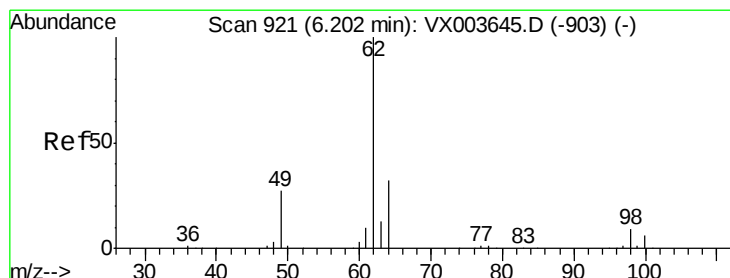
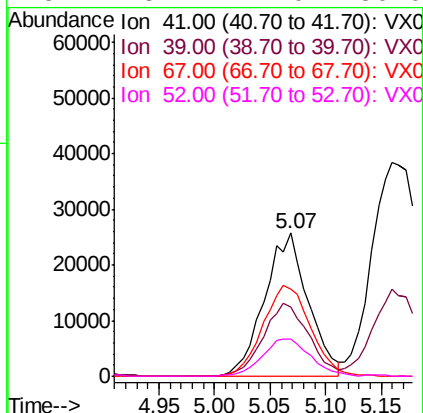
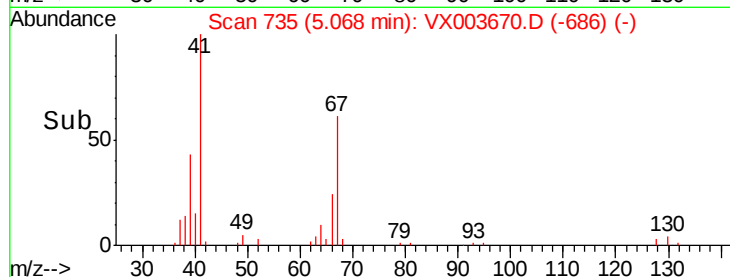
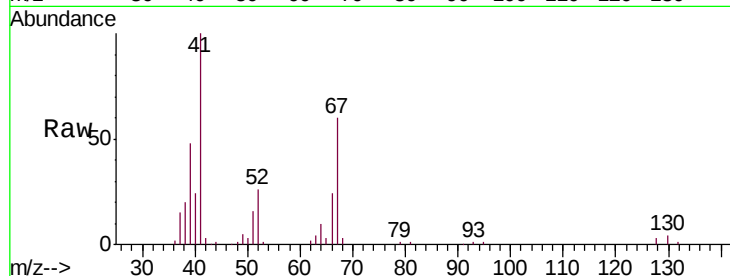




#41
Methacrylonitrile
Concen: 49.53 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

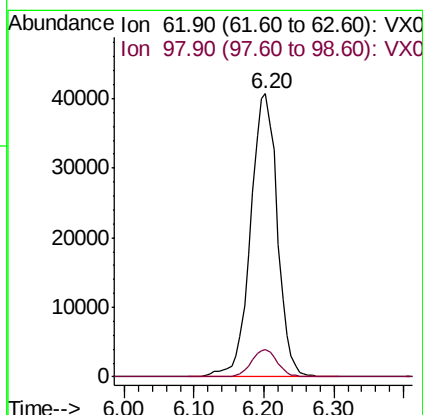
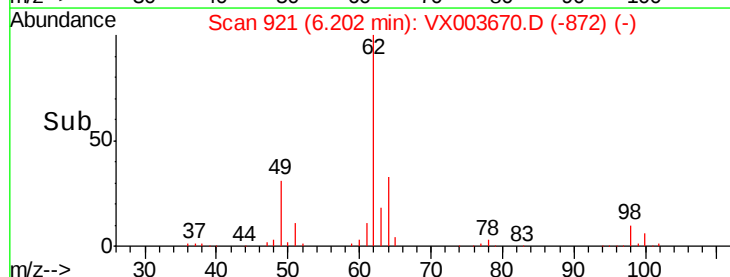
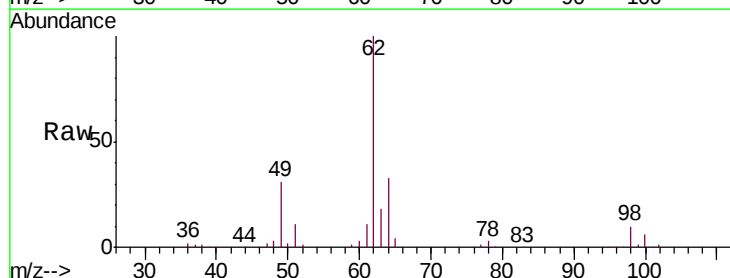
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

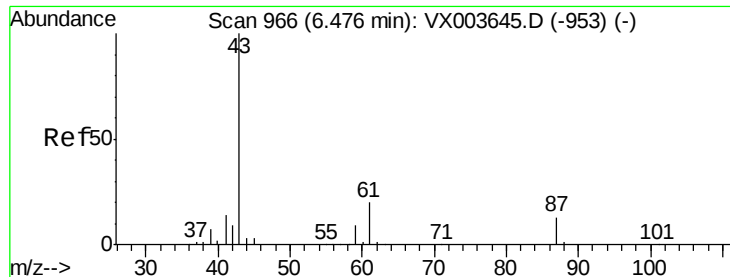
Tot Ion:	41	Resp:	70254
Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.2	63.4
67	69.2	56.6	84.8
52	28.7	24.0	36.0



#42
1,2-Dichloroethane
Concen: 48.78 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion:	62	Resp:	108228
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 51.86 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

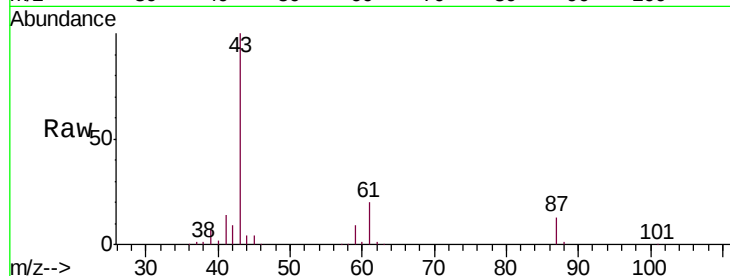
Tot Ion: 43 Resp: 193811

Ion Ratio Lower Upper

43 100

61 20.6 15.9 23.9

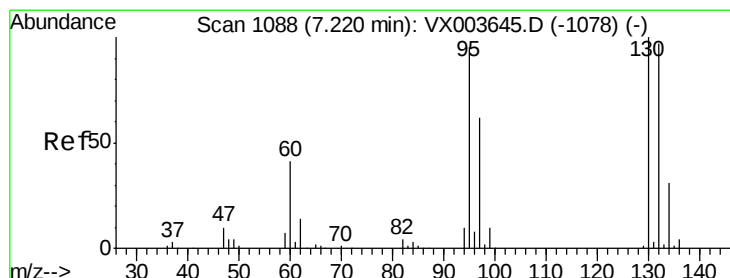
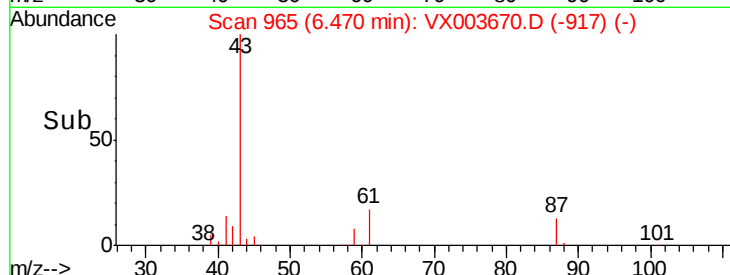
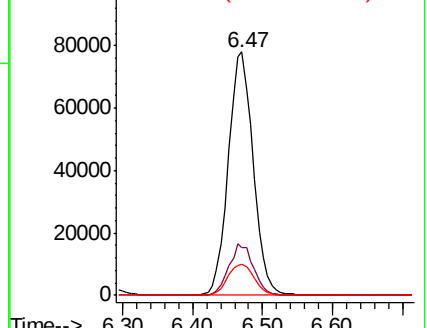
87 13.4 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 51.14 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003670.D

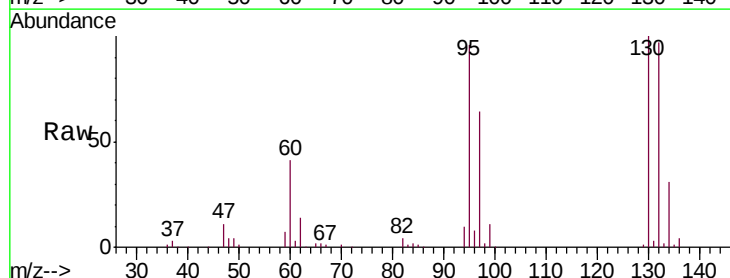
Acq: 26 Jul 2018 12:56

Tgt Ion:130 Resp: 86444

Ion Ratio Lower Upper

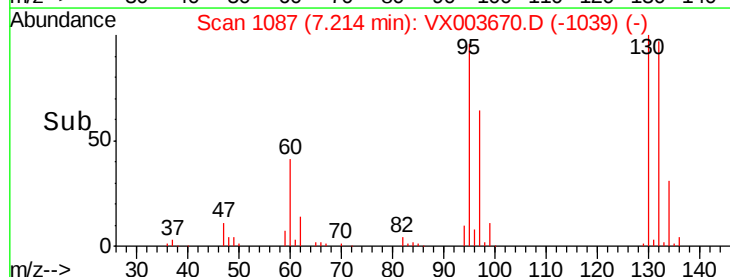
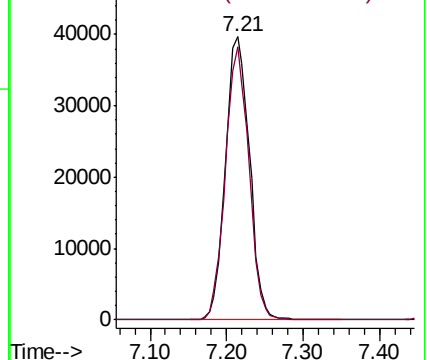
130 100

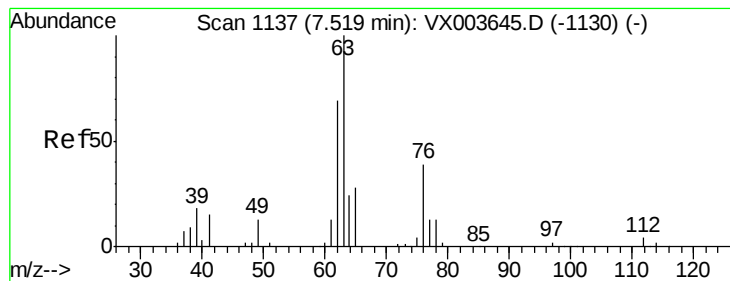
95 96.5 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.14 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

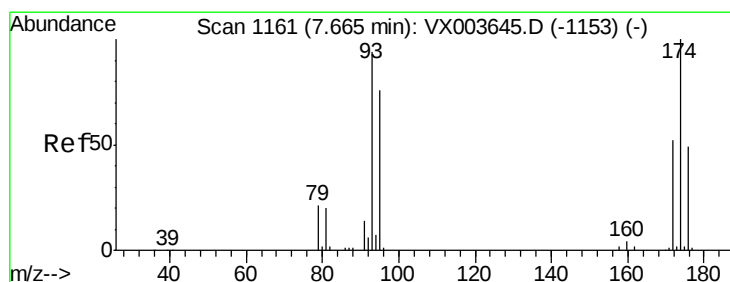
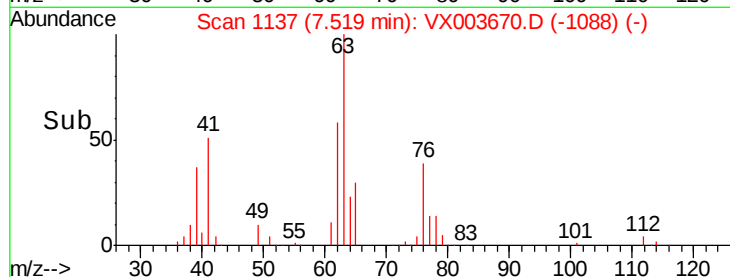
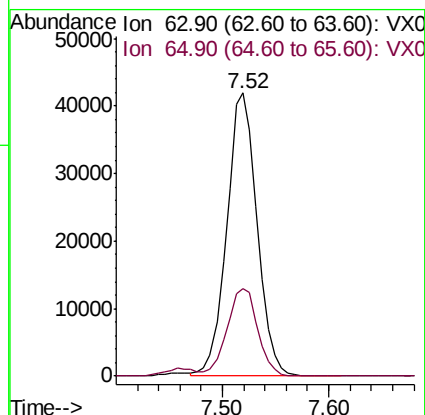
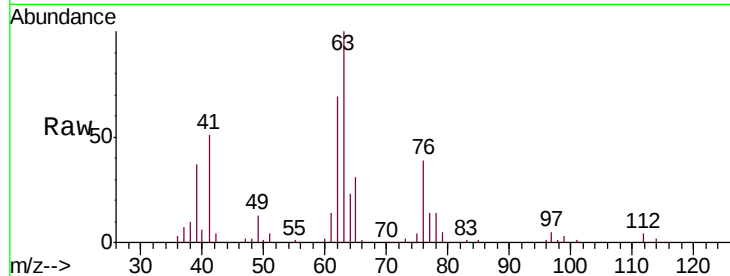
VSTDCCC050

Tot Ion: 63 Resp: 83330

Ion Ratio Lower Upper

63 100

65 31.1 24.0 36.0



#46

Dibromomethane

Concen: 49.67 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

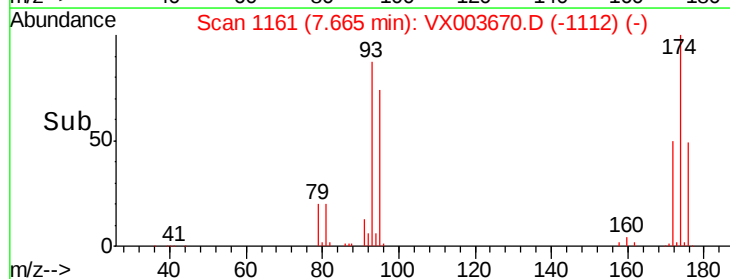
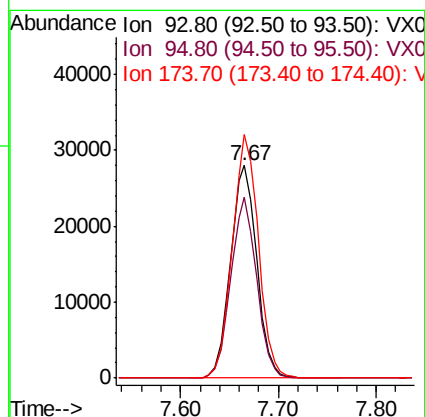
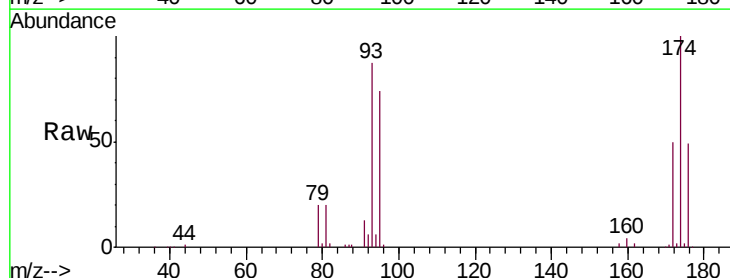
Tgt Ion: 93 Resp: 52001

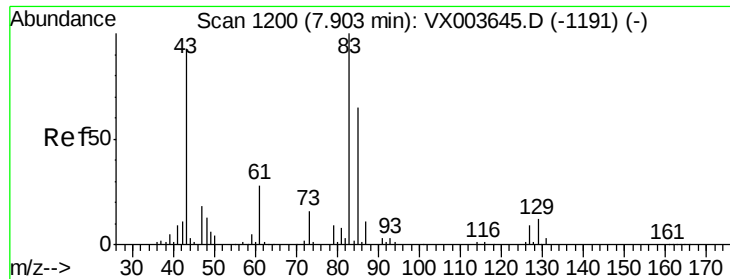
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 113.9 89.6 134.4





#47

Bromodichloromethane

Concen: 50.83 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

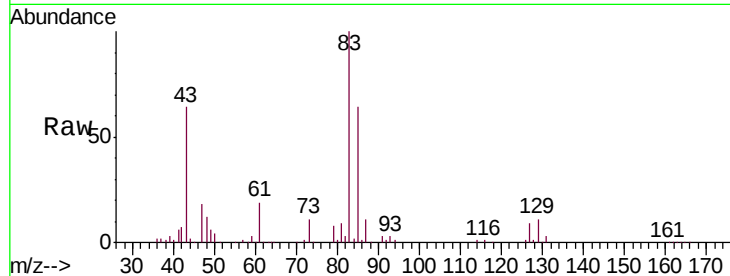
Tot Ion: 83 Resp: 99766

Ion Ratio Lower Upper

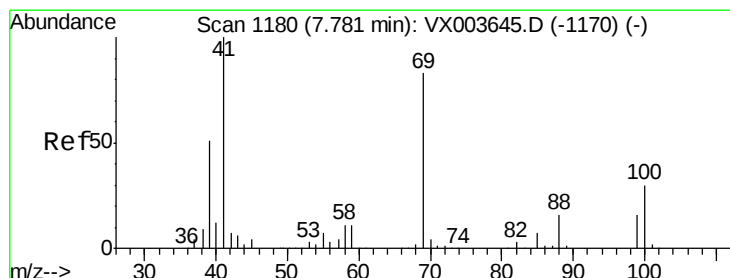
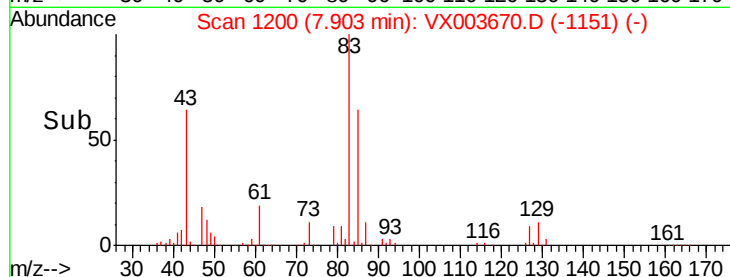
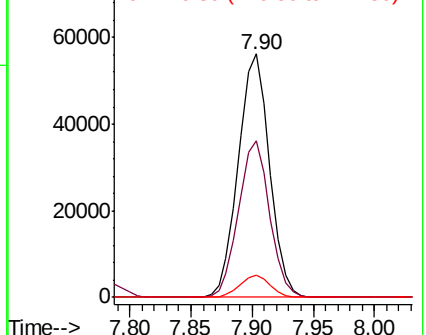
83 100

85 64.1 51.8 77.6

127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.53 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

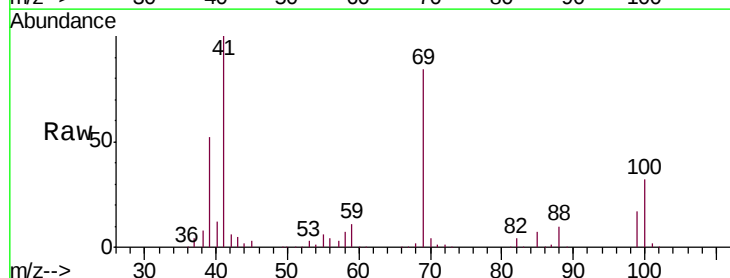
Tgt Ion: 41 Resp: 95811

Ion Ratio Lower Upper

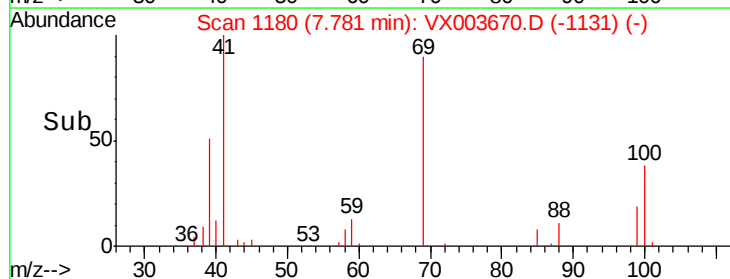
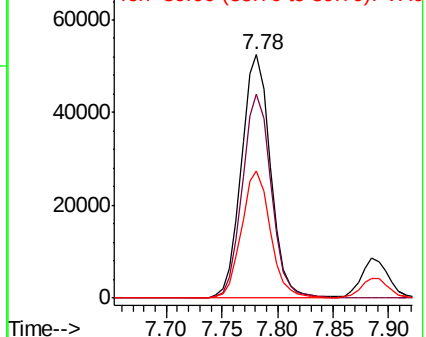
41 100

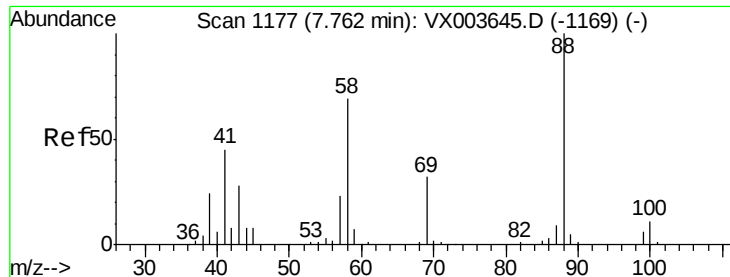
69 83.5 66.9 100.3

39 51.7 41.2 61.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

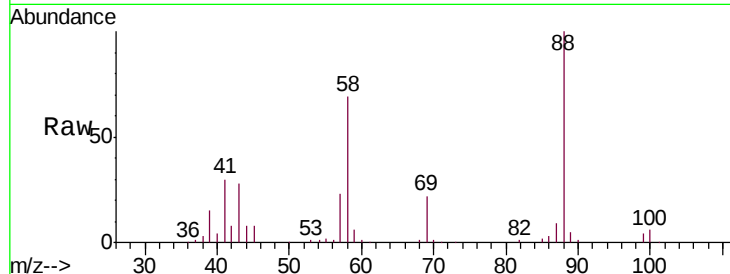




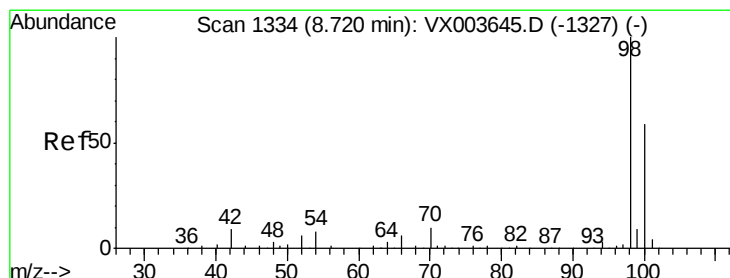
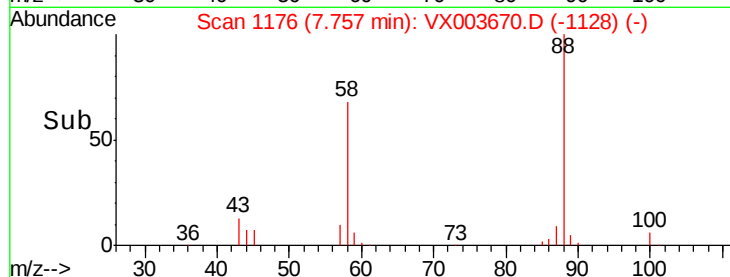
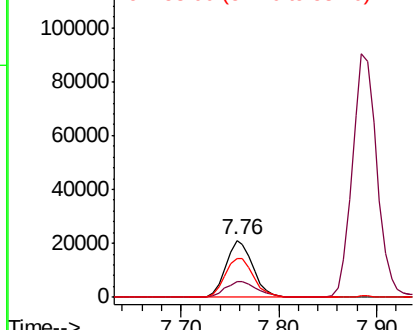
#49
1,4-Dioxane
Concen: 950.75 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 40223
Ion Ratio Lower Upper
88 100
43 33.0 25.8 38.6
58 73.1 58.3 87.5

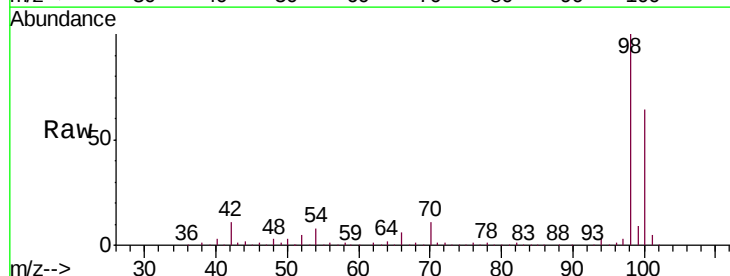


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

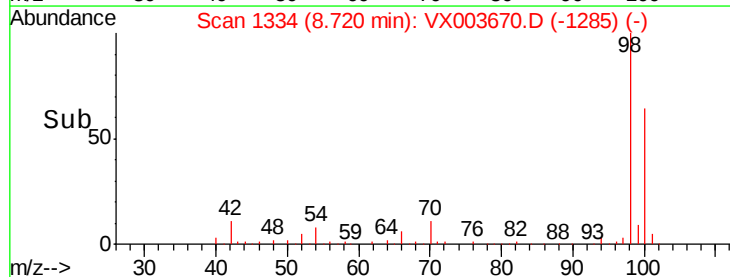
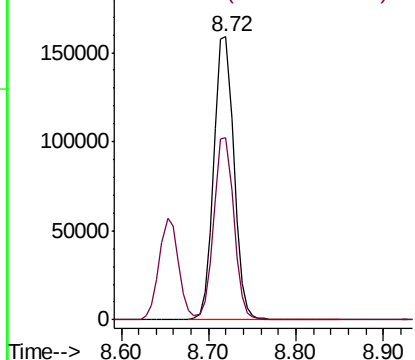


#50
Toluene-d8
Concen: 44.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 98 Resp: 254304
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 240.96 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

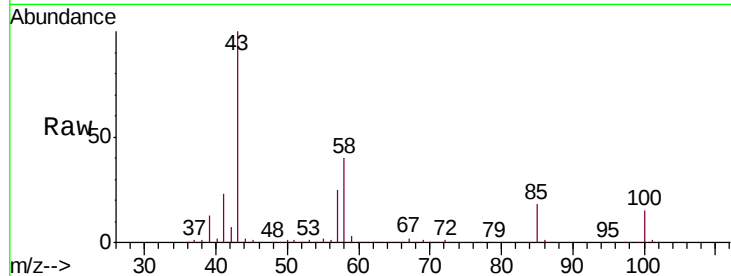
VSTDCCC050

Tot Ion: 43 Resp: 607544

Ion Ratio Lower Upper

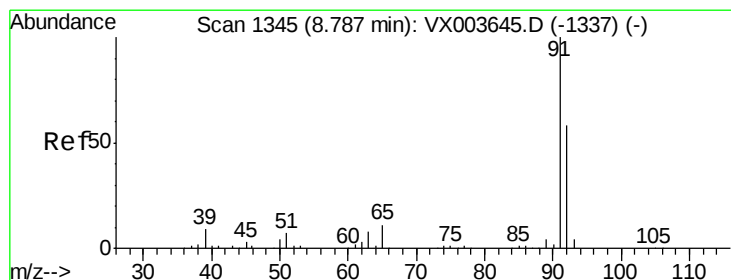
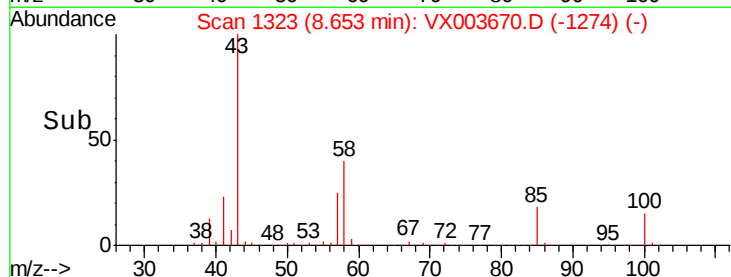
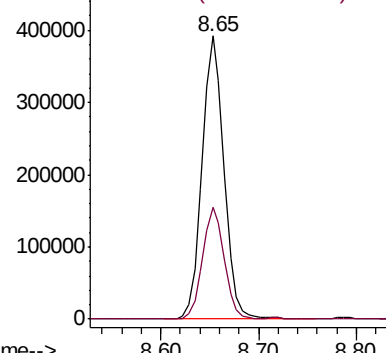
43 100

58 39.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.65 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003670.D

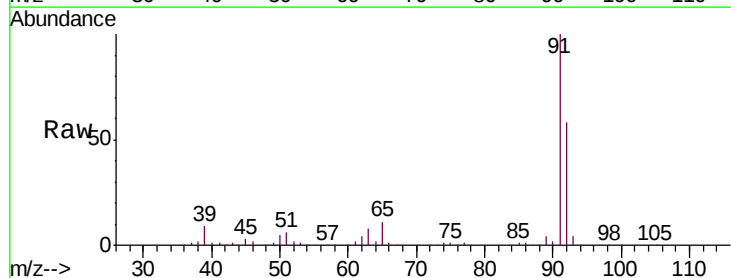
Acq: 26 Jul 2018 12:56

Tgt Ion: 92 Resp: 194555

Ion Ratio Lower Upper

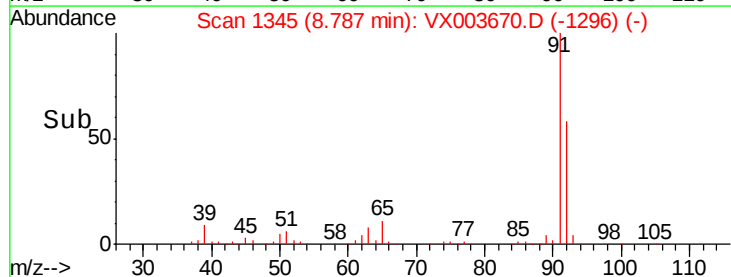
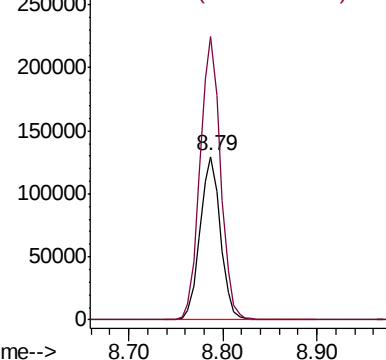
92 100

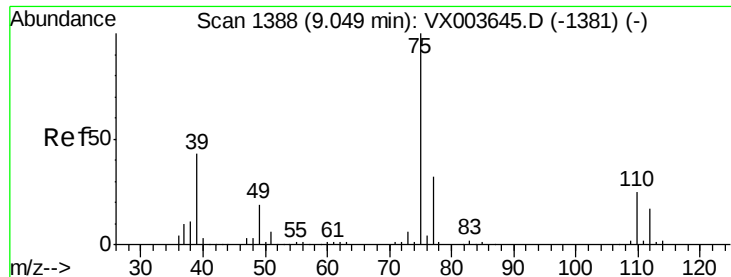
91 174.4 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.84 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

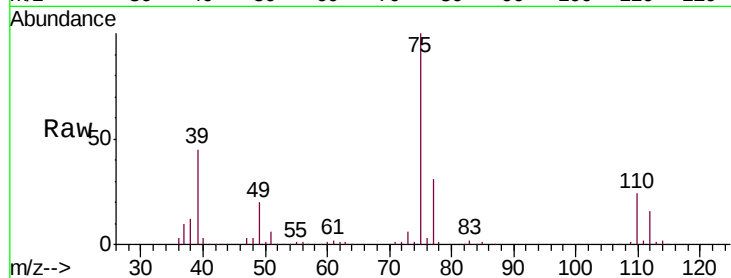
VSTDCCC050

Tot Ion: 75 Resp: 114822

Ion Ratio Lower Upper

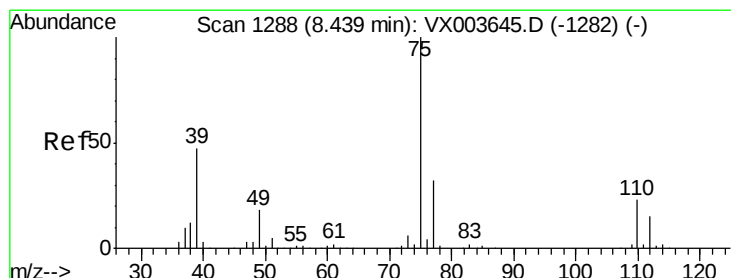
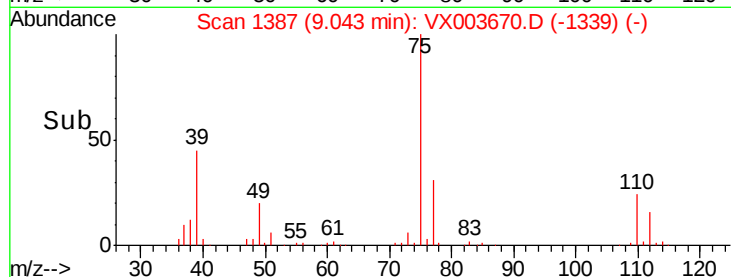
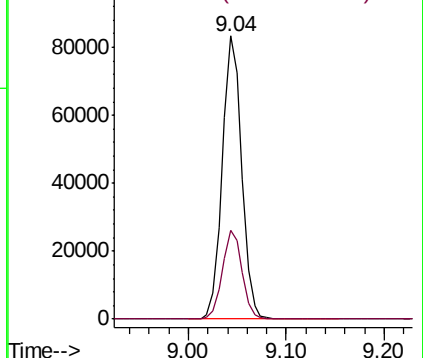
75 100

77 31.4 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.15 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

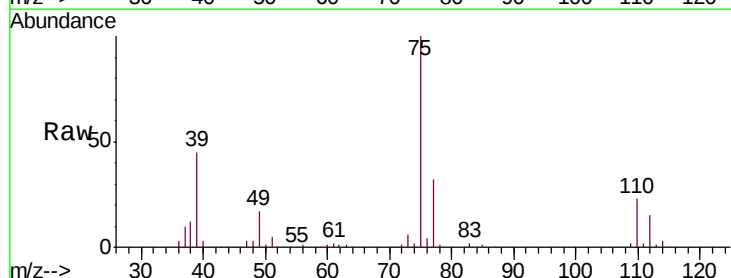
Tgt Ion: 75 Resp: 124706

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

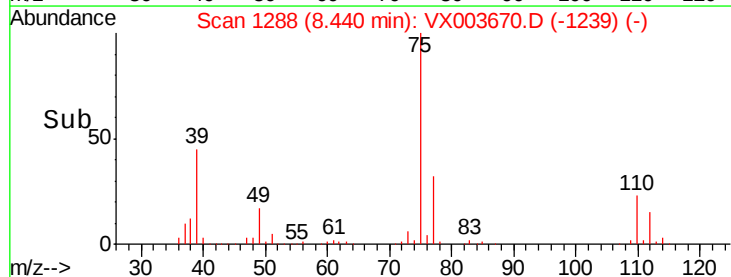
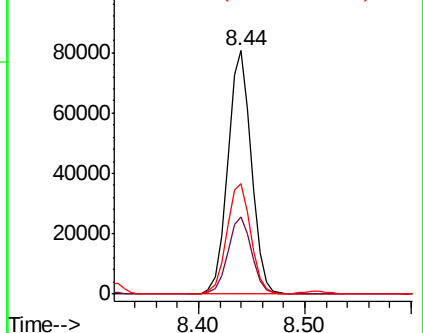
39 45.3 38.0 57.0

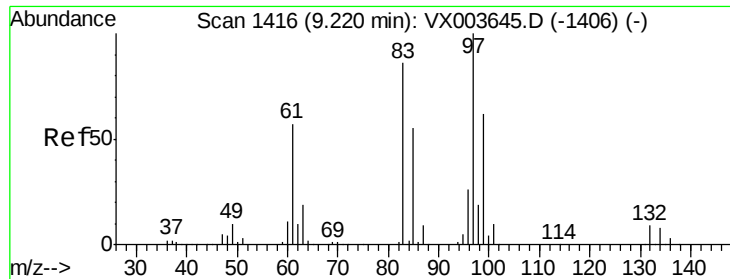


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

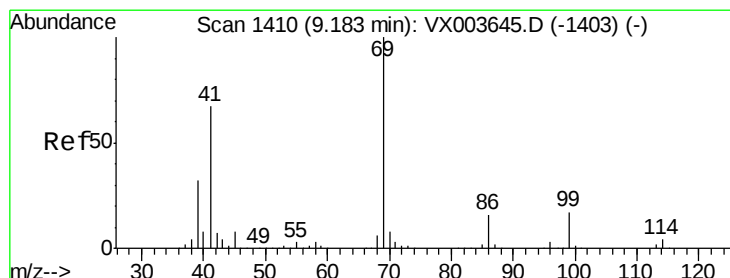
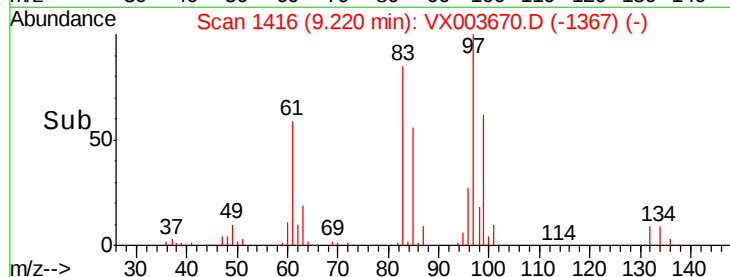
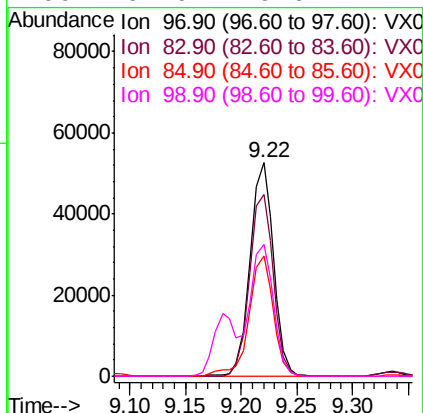
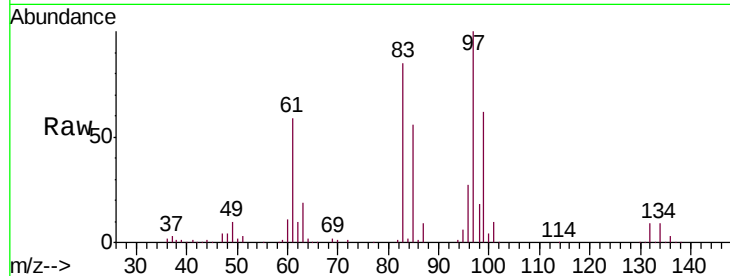




#55
 1,1,2-Trichloroethane
 Concen: 48.22 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

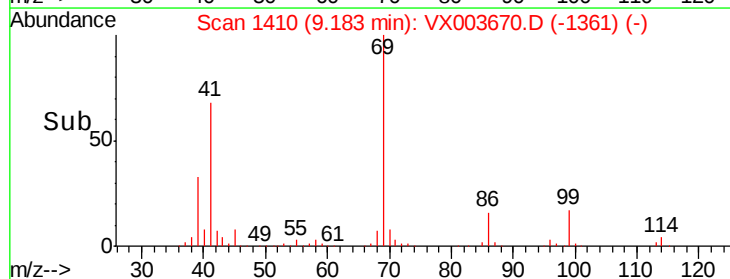
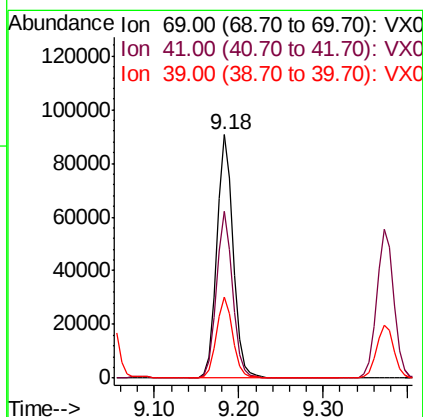
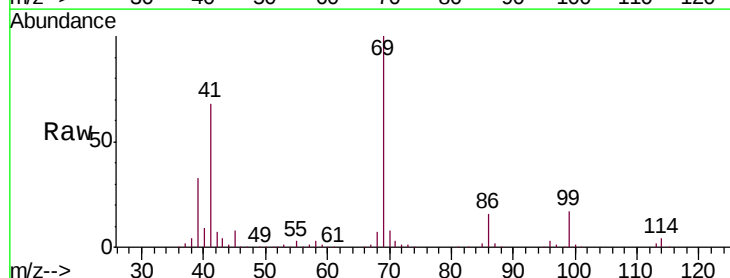
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

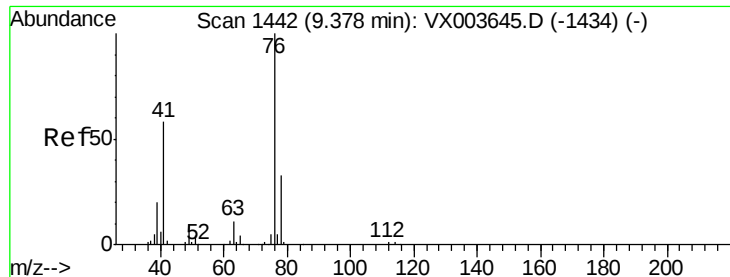
Tot Ion: 97 Resp: 77236
 Ion Ratio Lower Upper
 97 100
 83 85.3 68.7 103.1
 85 56.3 43.7 65.5
 99 61.9 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 51.38 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Tgt Ion: 69 Resp: 122475
 Ion Ratio Lower Upper
 69 100
 41 67.4 53.8 80.6
 39 33.7 25.8 38.8





#57

1,3-Dichloropropane

Concen: 48.12 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

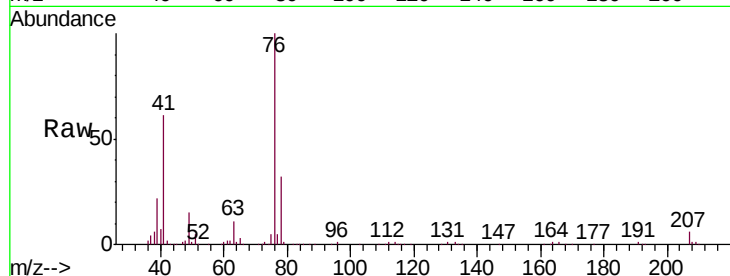
VSTDCCC050

Tot Ion: 76 Resp: 129413

Ion Ratio Lower Upper

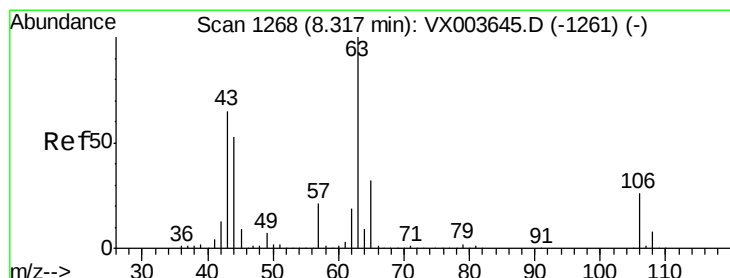
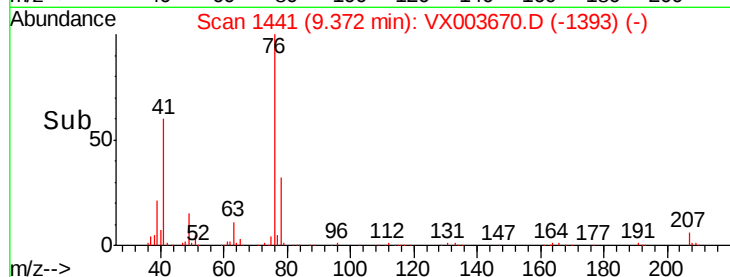
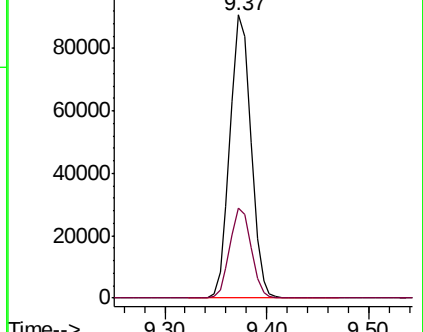
76 100

78 31.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 279.39 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003670.D

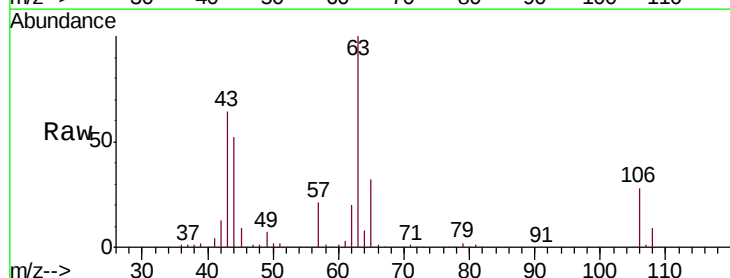
Acq: 26 Jul 2018 12:56

Tgt Ion: 63 Resp: 334662

Ion Ratio Lower Upper

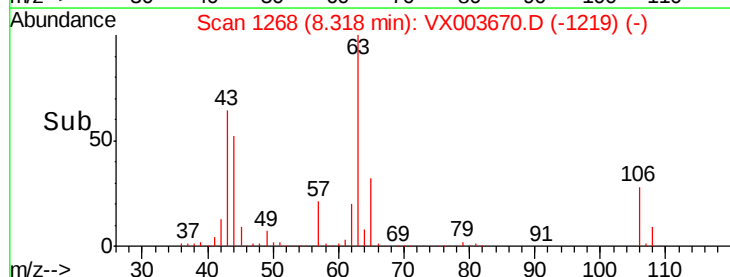
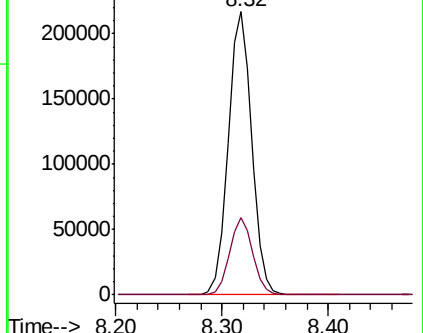
63 100

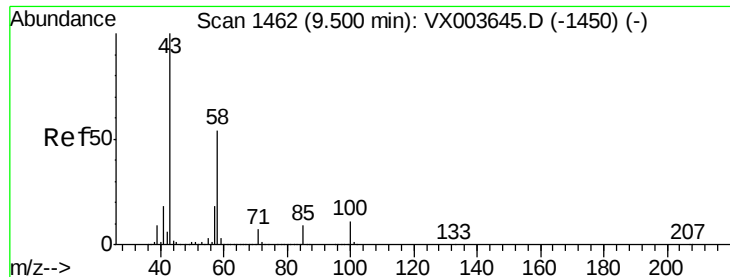
106 27.0 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

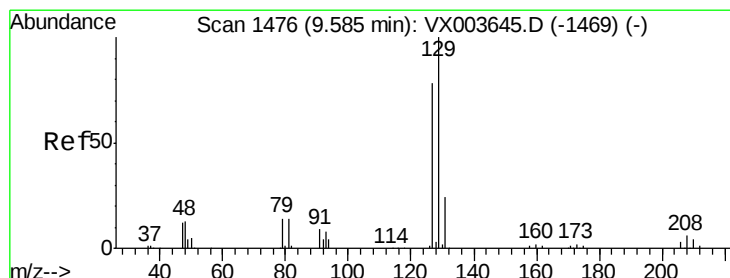
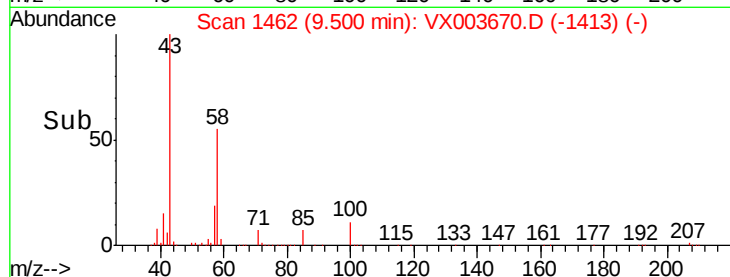
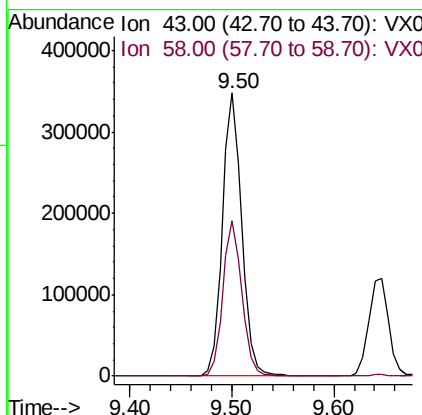
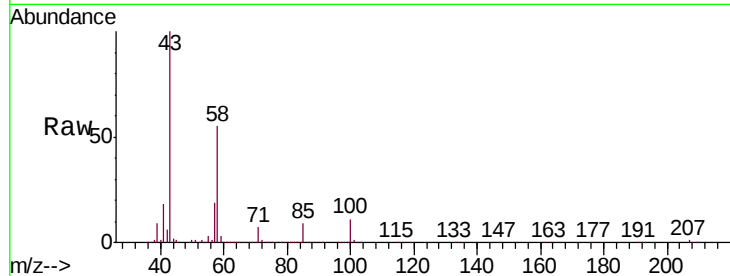




#59
2-Hexanone
Concen: 237.45 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

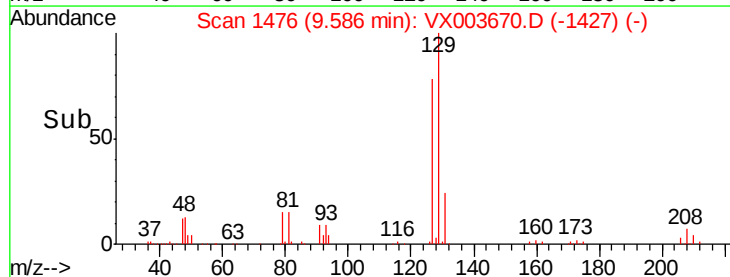
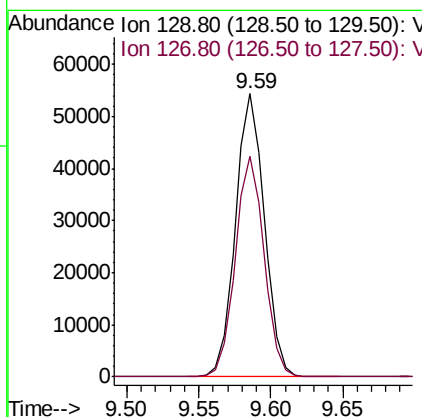
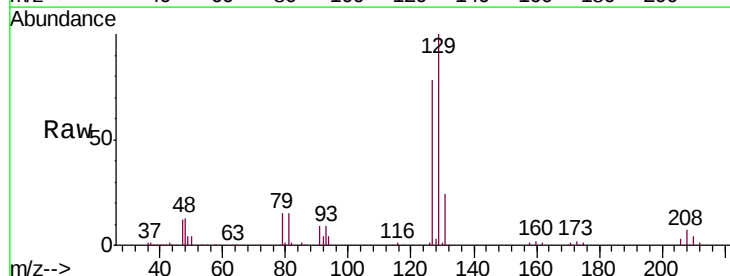
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

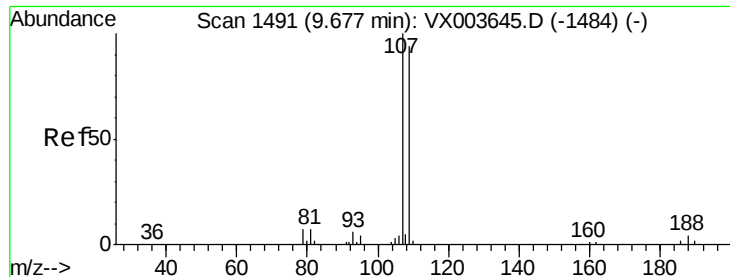
Tot Ion: 43 Resp: 459257
Ion Ratio Lower Upper
43 100
58 54.0 27.3 81.9



#60
Dibromochloromethane
Concen: 50.15 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion: 129 Resp: 76198
Ion Ratio Lower Upper
129 100
127 77.3 38.7 116.1





#61

1,2-Dibromoethane

Concen: 47.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

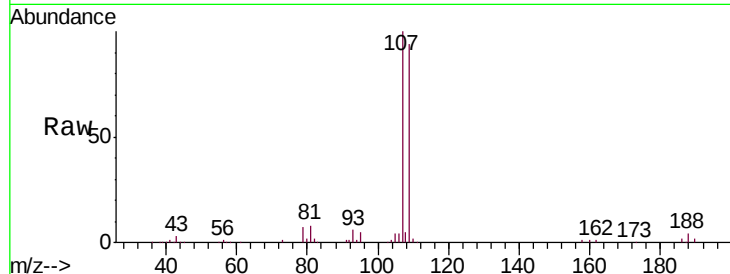
VSTDCCC050

Tot Ion:107 Resp: 78857

Ion Ratio Lower Upper

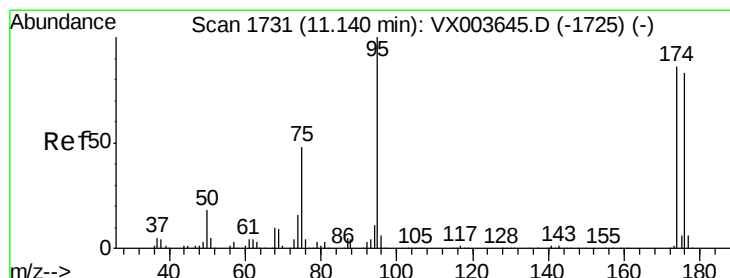
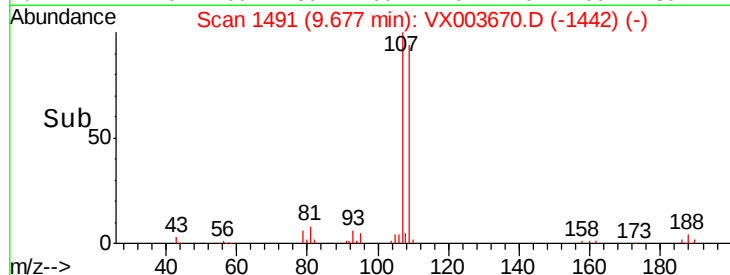
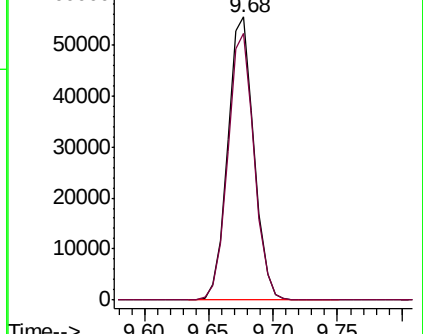
107 100

109 94.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 37.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

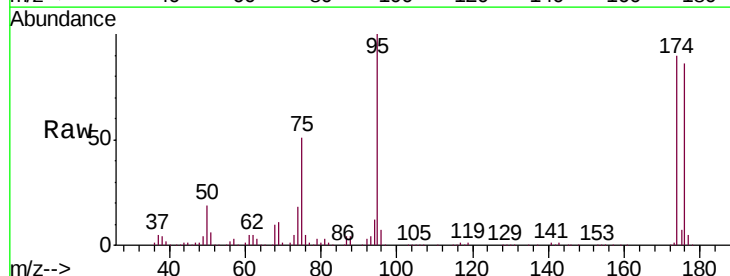
Tgt Ion: 95 Resp: 78597

Ion Ratio Lower Upper

95 100

174 87.7 0.0 179.0

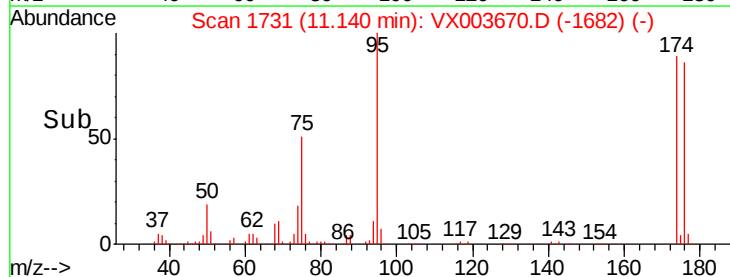
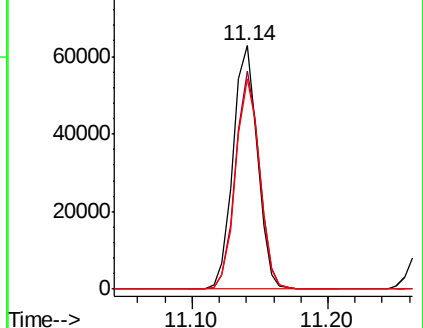
176 85.2 0.0 173.0

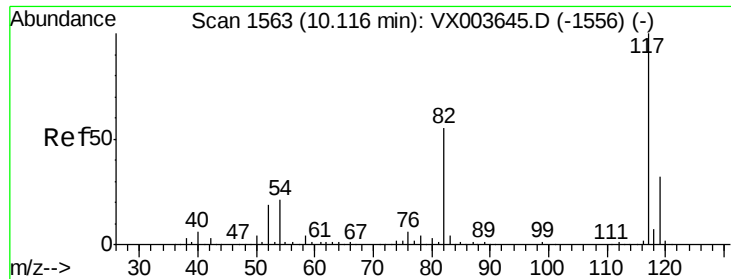


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

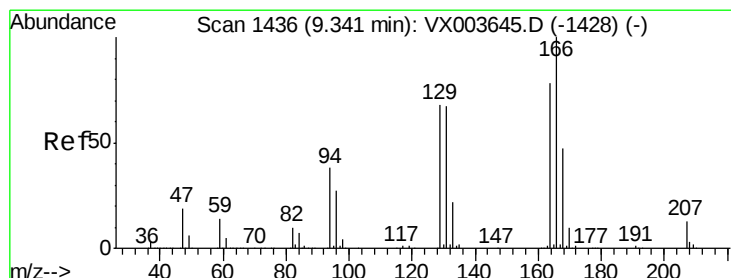
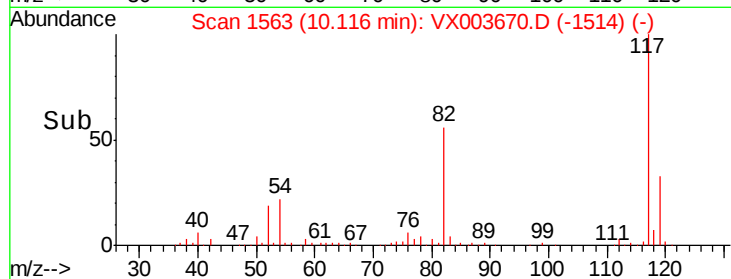
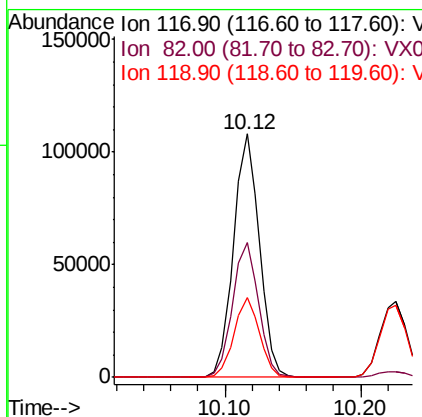
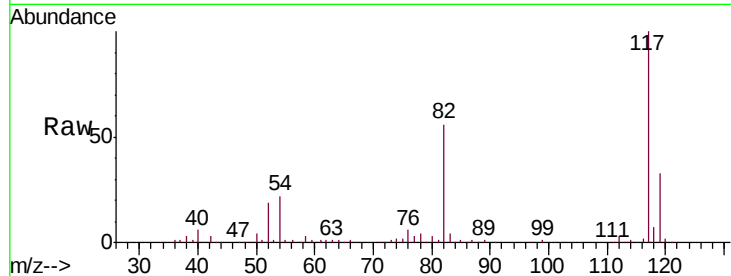




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

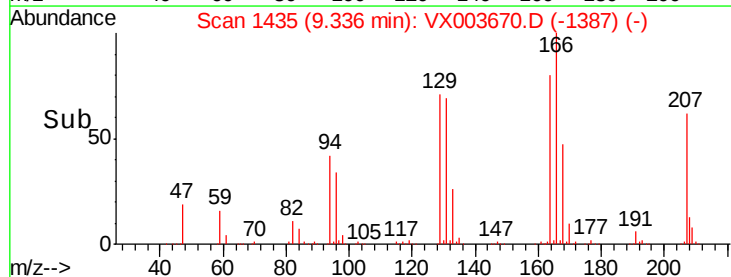
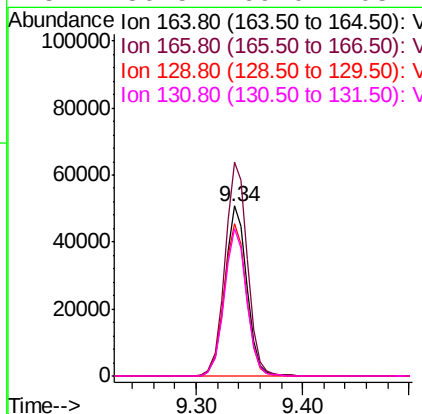
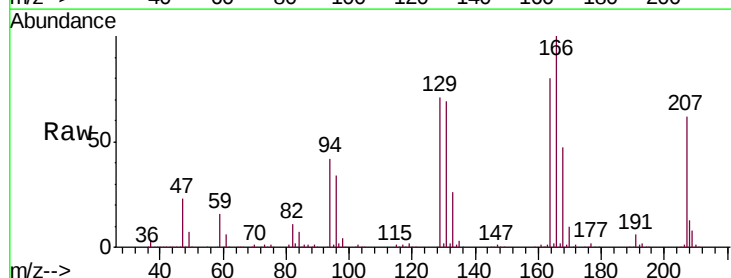
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

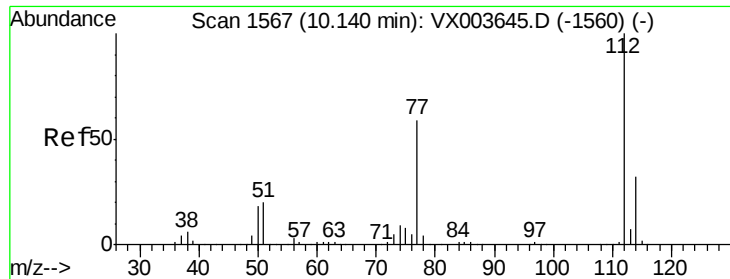
Tot Ion:117 Resp: 142999
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: 56.21 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion:164 Resp: 73490
Ion Ratio Lower Upper
164 100
166 125.8 102.4 153.6
129 89.8 69.6 104.4
131 86.5 69.0 103.4

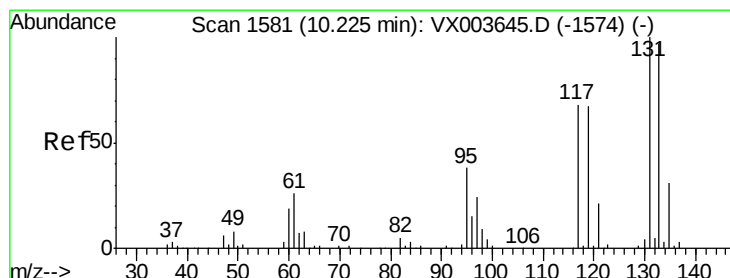
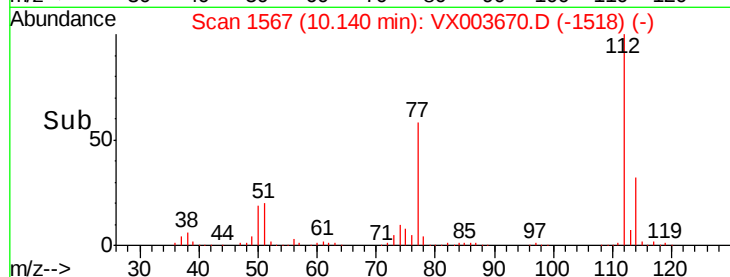
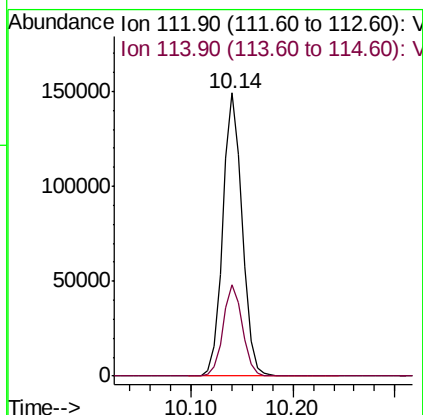
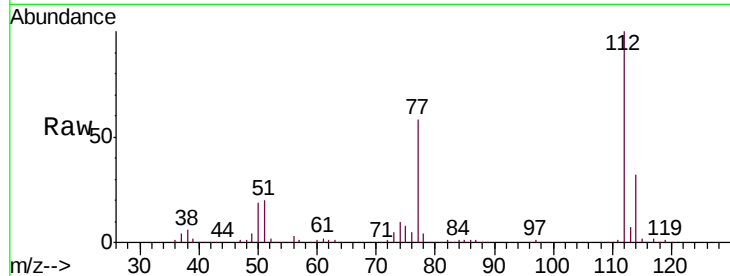




#65
Chlorobenzene
Concen: 54.63 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

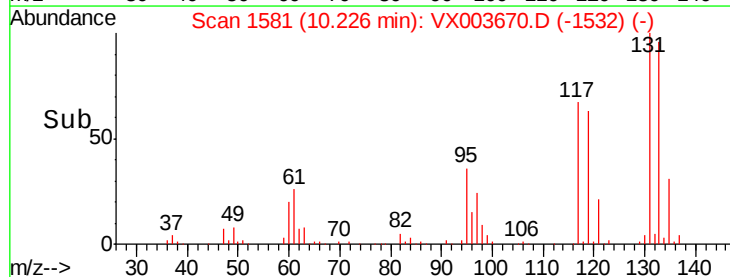
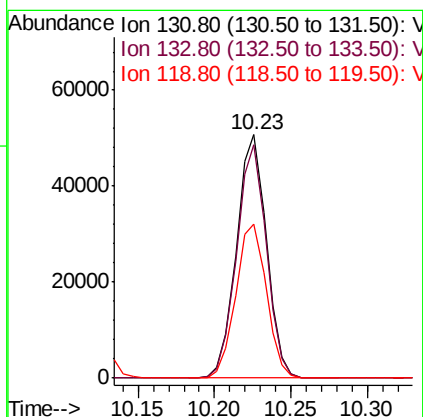
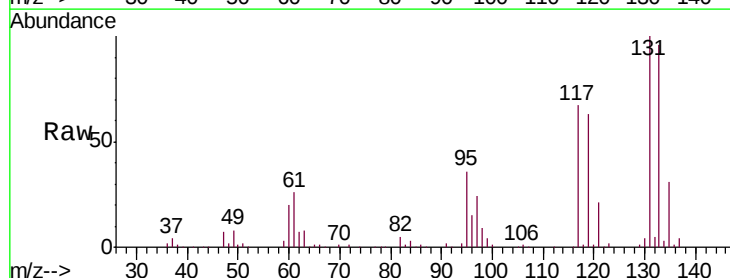
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

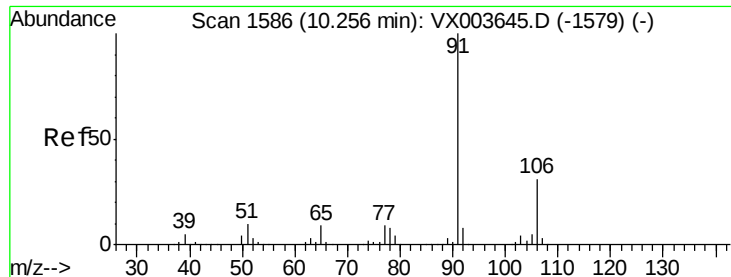
Tot Ion:112 Resp: 196613
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.99 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion:131 Resp: 68804
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 65.0 32.8 98.4

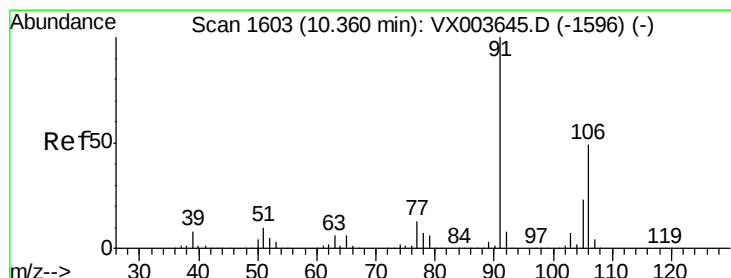
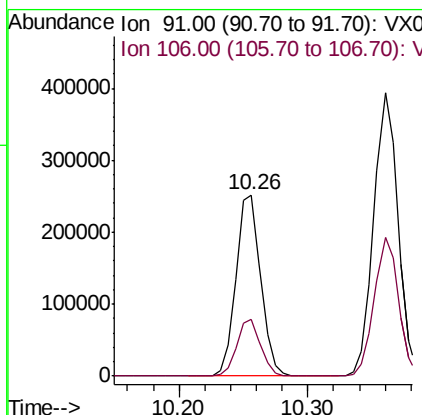
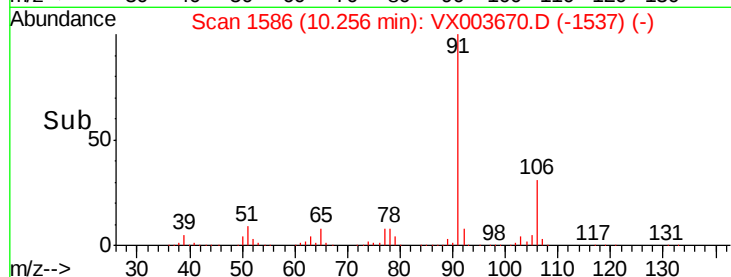
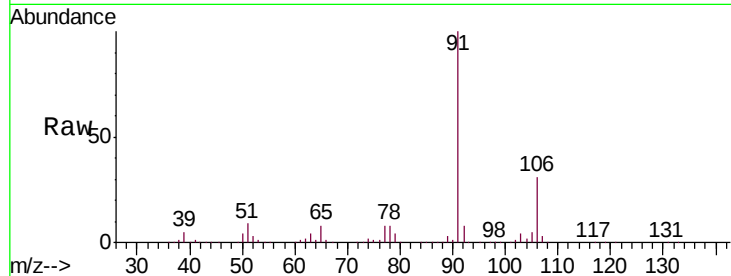




#67
Ethvl Benzene
Concen: 55.88 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

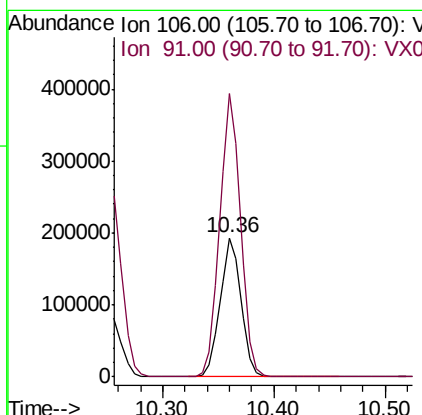
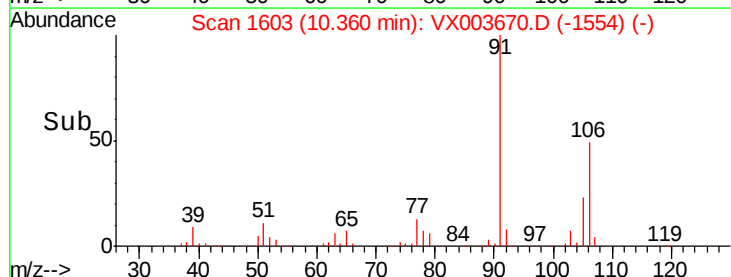
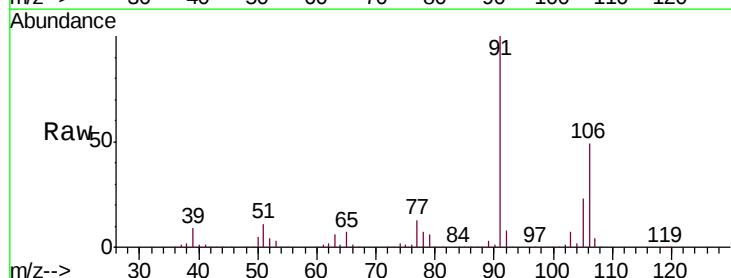
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

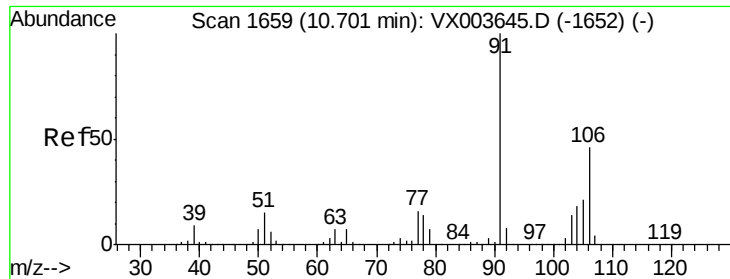
Tot Ion: 91 Resp: 336629
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 108.46 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion:106 Resp: 250649
Ion Ratio Lower Upper
106 100
91 203.4 162.2 243.2

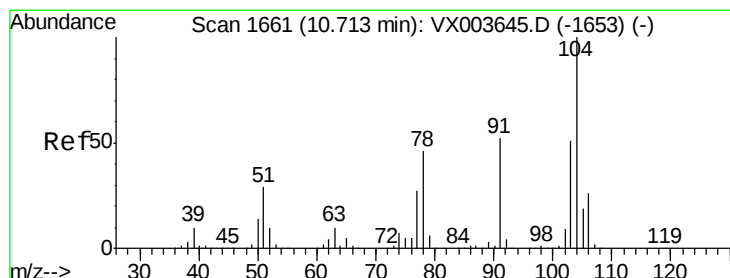
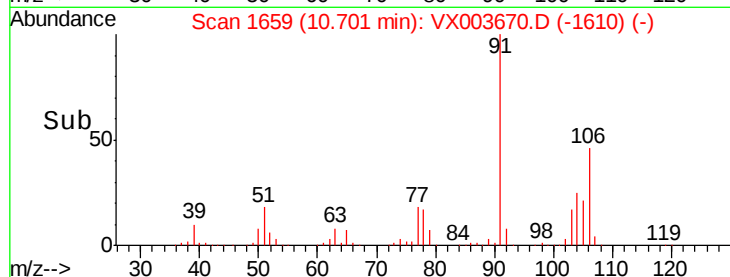
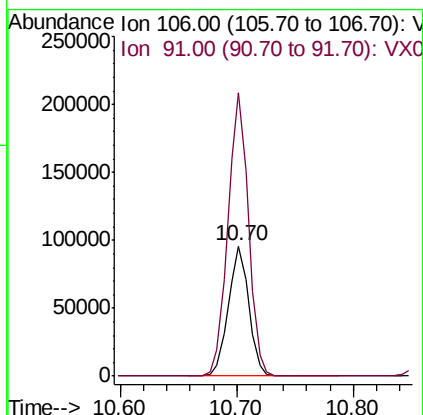
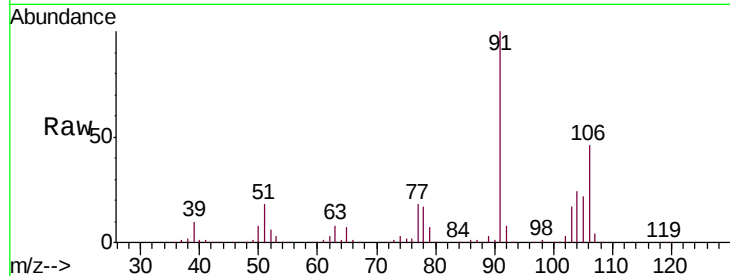




#69
o-Xylene
Concen: 52.75 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

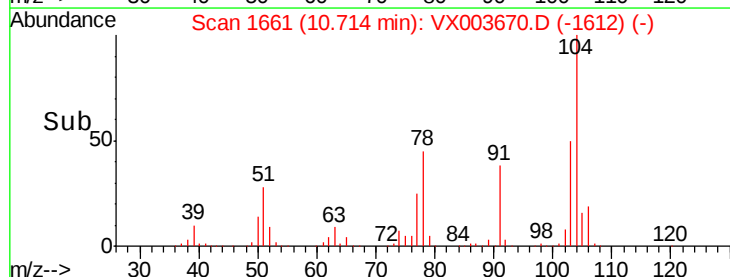
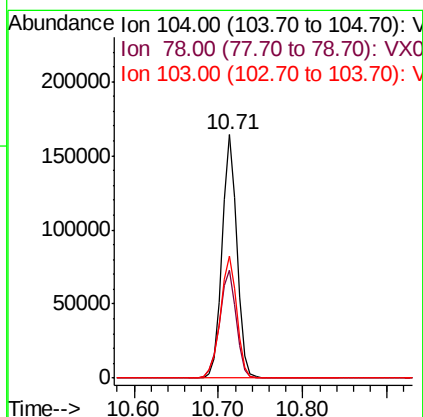
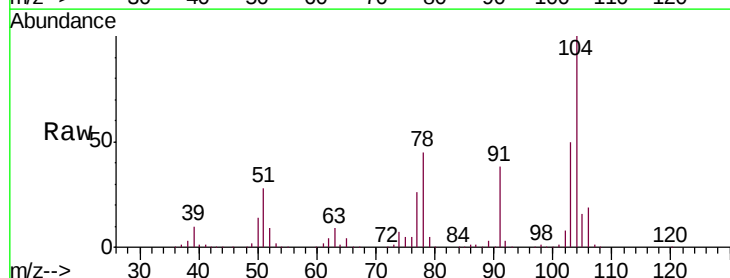
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 117355
Ion Ratio Lower Upper
106 100
91 217.4 107.1 321.1



#70
Styrene
Concen: 53.88 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003670.D
Acq: 26 Jul 2018 12:56

Tgt Ion:104 Resp: 201370
Ion Ratio Lower Upper
104 100
78 50.0 39.2 58.8
103 55.3 44.2 66.4





#71

Bromoform

Concen: 51.45 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

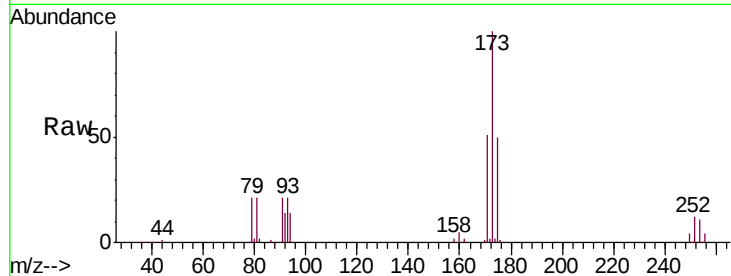
Tot Ion:173 Resp: 50902

Ion Ratio Lower Upper

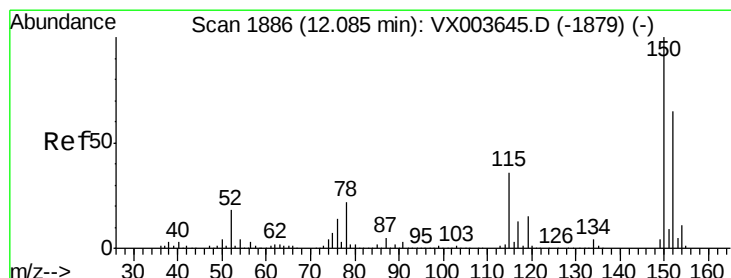
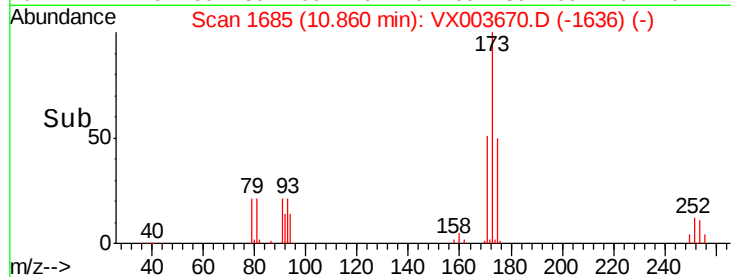
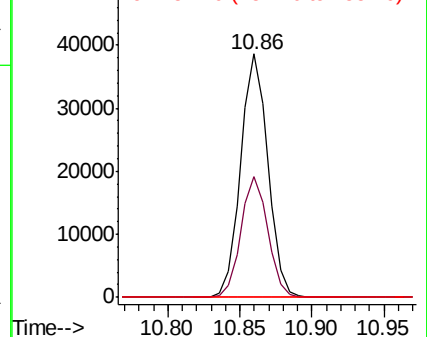
173 100

175 48.8 24.1 72.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

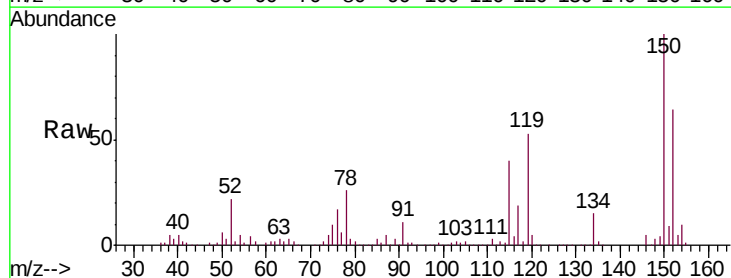
Tgt Ion:152 Resp: 84351

Ion Ratio Lower Upper

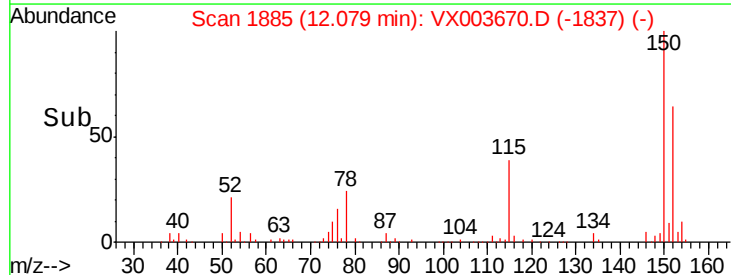
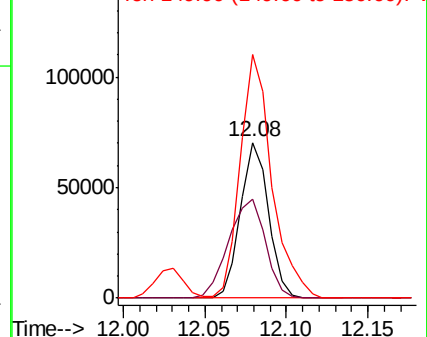
152 100

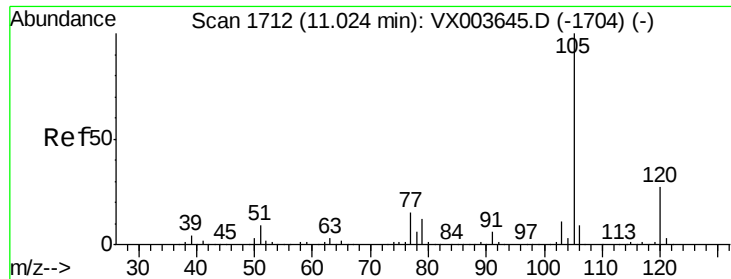
115 83.7 40.0 119.9

150 176.2 0.0 348.4



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





#73

Isopropylbenzene

Concen: 55.80 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

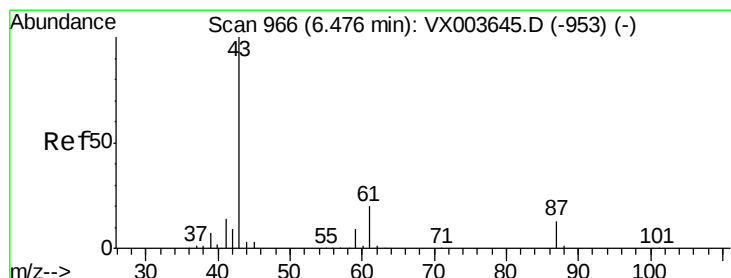
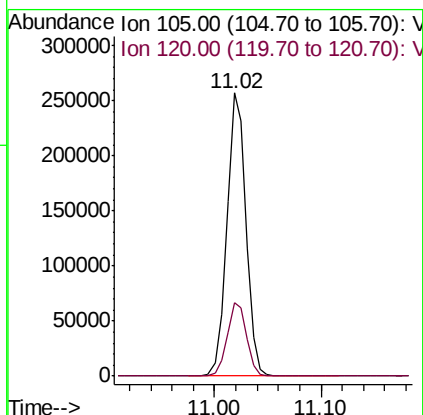
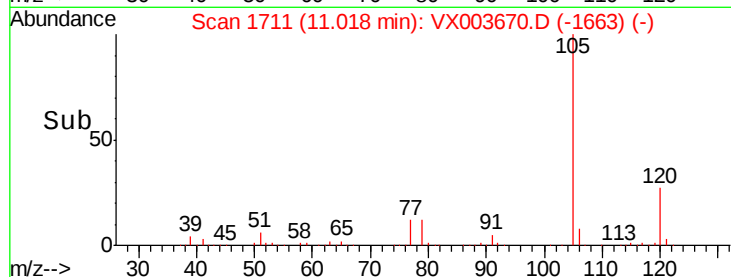
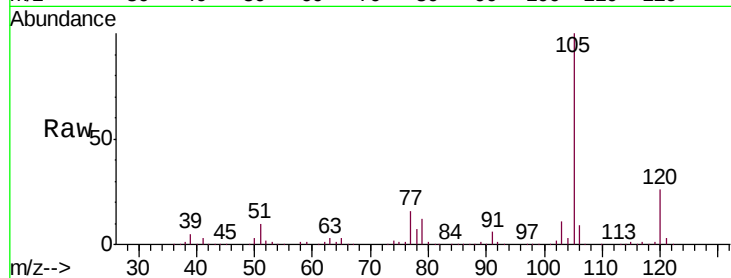
VSTDCCC050

Tot Ion:105 Resp: 321609

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#74

N-ethyl acetate

Concen: 64.48 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Tgt Ion: 43 Resp: 193811

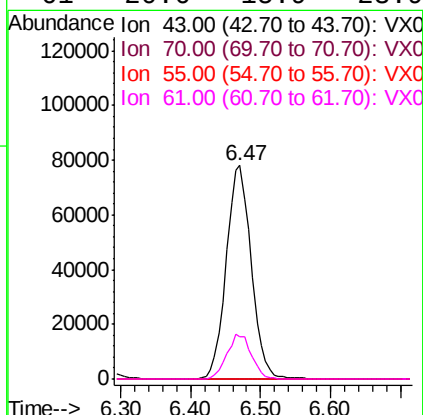
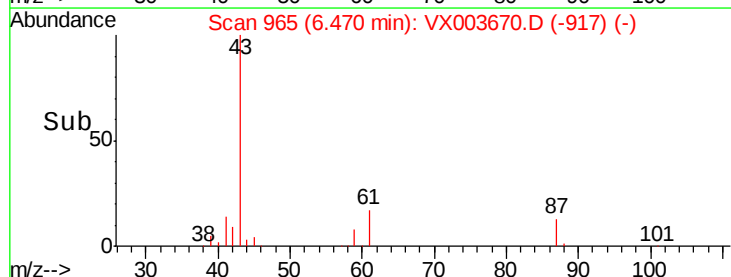
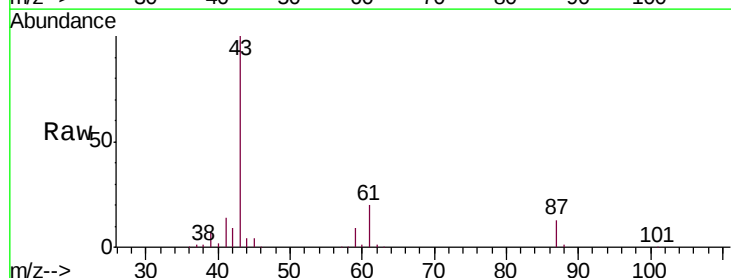
Ion Ratio Lower Upper

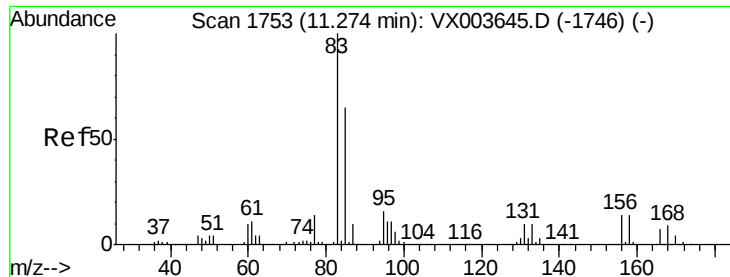
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.6 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.25 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

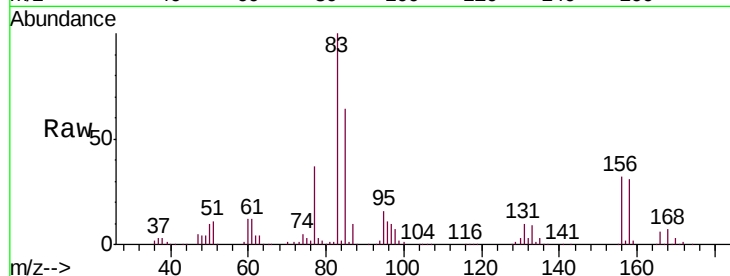
Tot Ion: 83 Resp: 109075

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.4

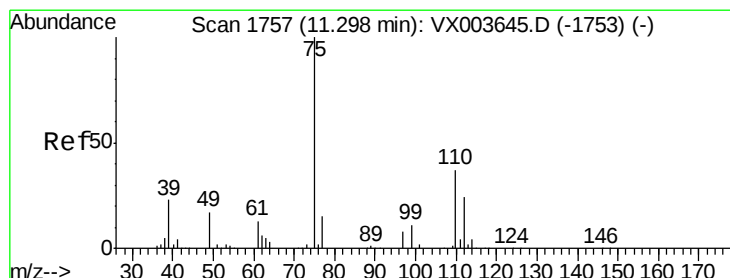
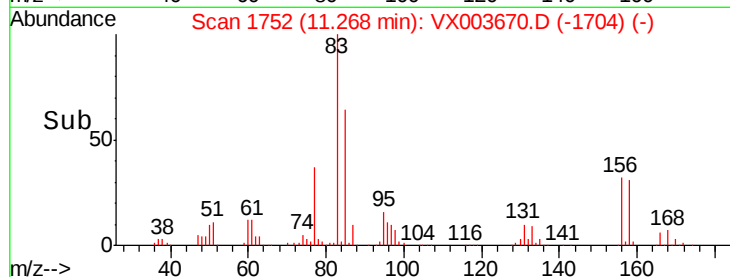
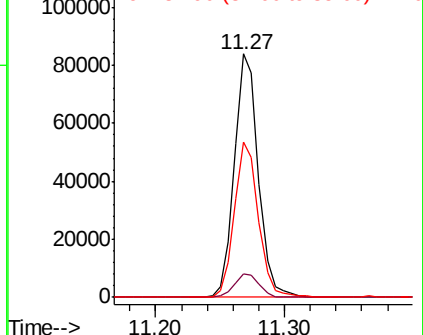
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 71.43 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003670.D

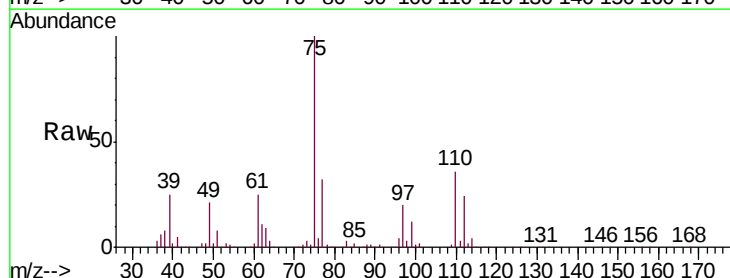
Acq: 26 Jul 2018 12:56

Tgt Ion: 75 Resp: 126371

Ion Ratio Lower Upper

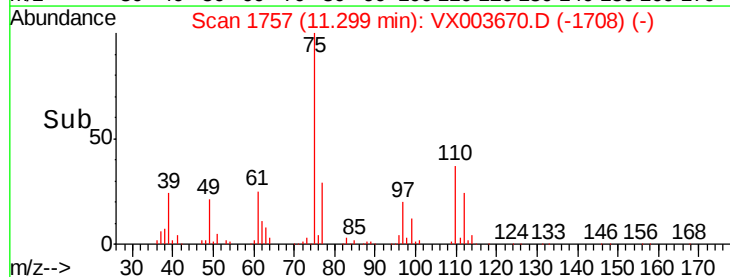
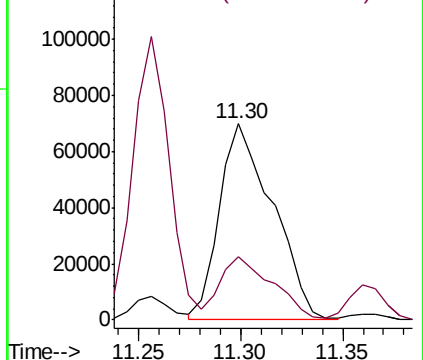
75 100

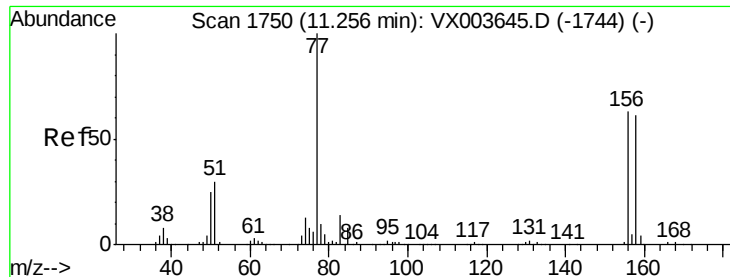
77 31.6 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.21 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

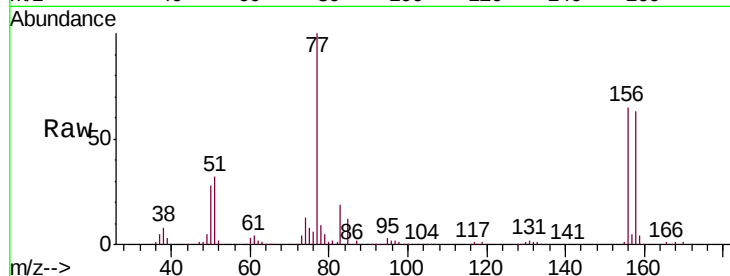
Tot Ion:156 Resp: 81724

Ion Ratio Lower Upper

156 100

77 153.7 74.9 224.6

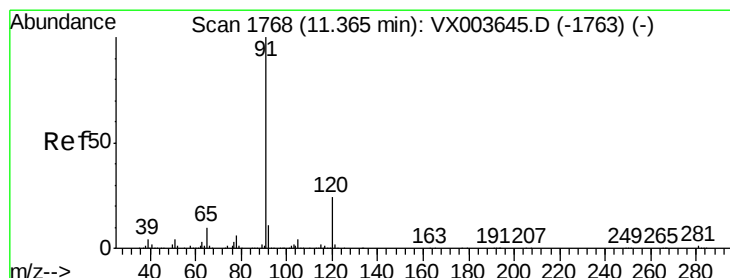
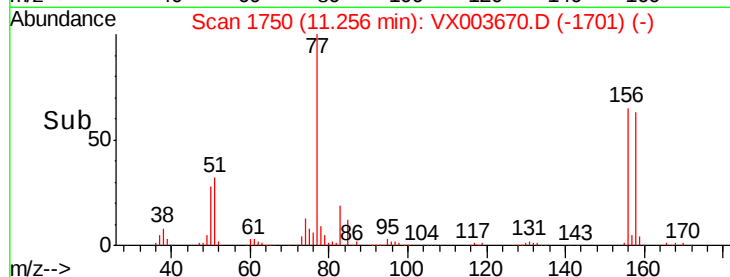
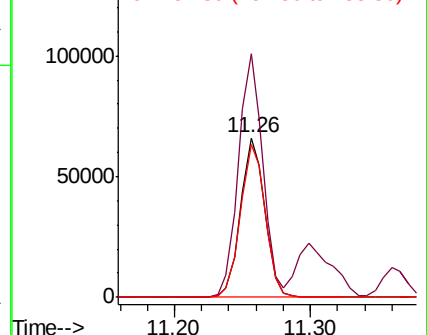
158 97.7 48.4 145.2



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: 57.85 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003670.D

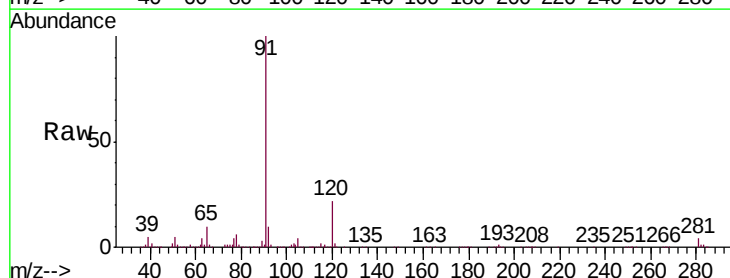
Acq: 26 Jul 2018 12:56

Tgt Ion: 91 Resp: 384996

Ion Ratio Lower Upper

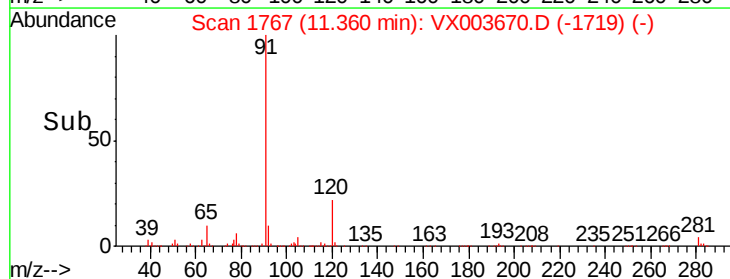
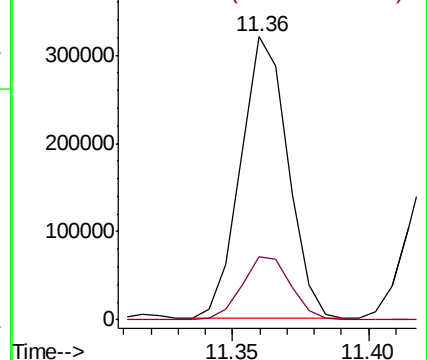
91 100

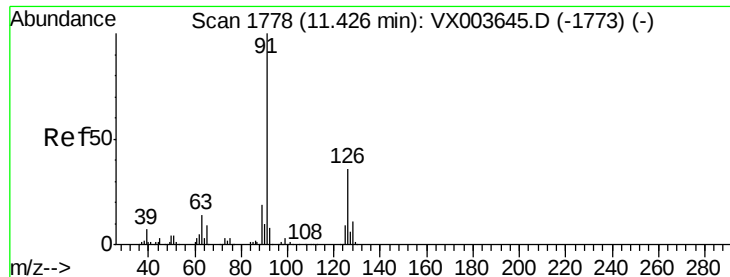
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.78 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

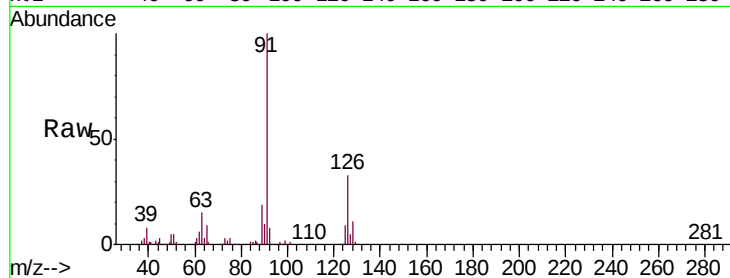
VSTDCCC050

Tot Ion: 91 Resp: 221578

Ion Ratio Lower Upper

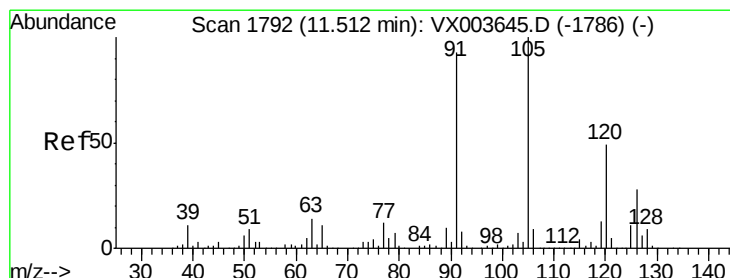
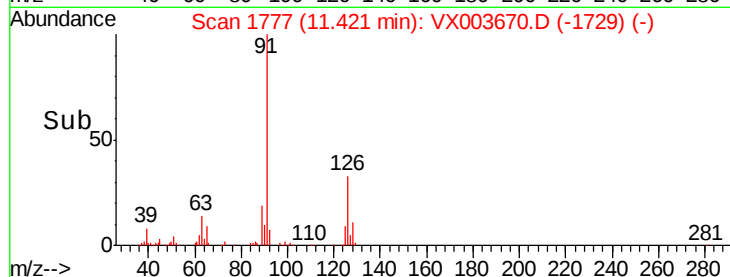
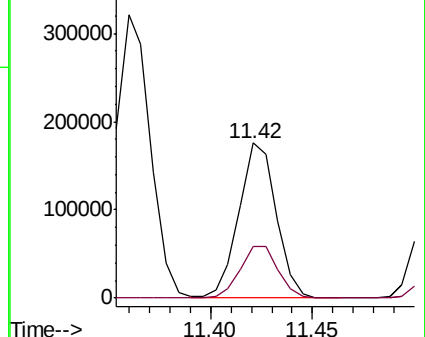
91 100

126 34.4 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.97 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003670.D

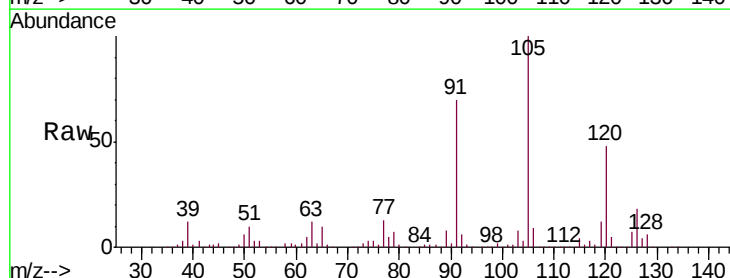
Acq: 26 Jul 2018 12:56

Tgt Ion:105 Resp: 277757

Ion Ratio Lower Upper

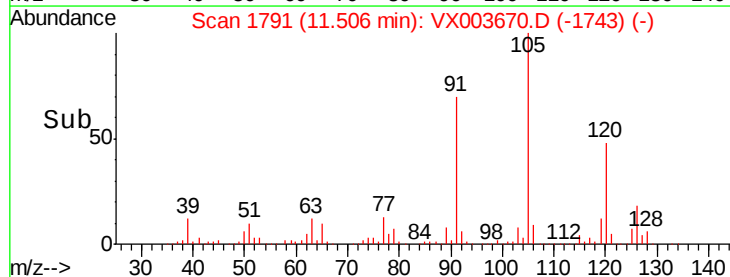
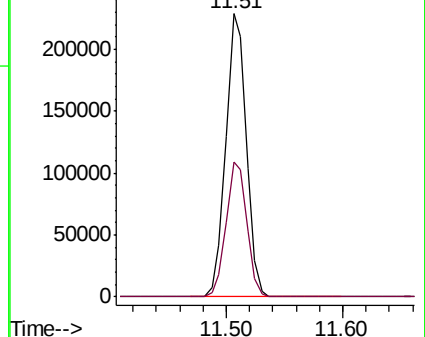
105 100

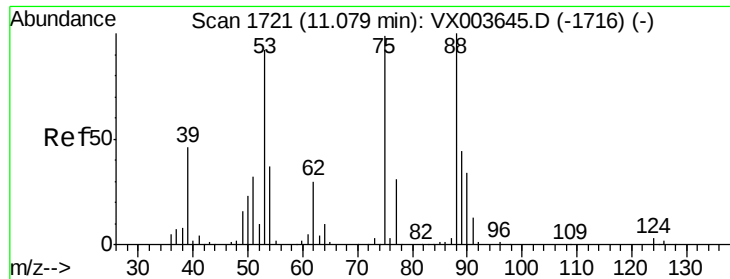
120 48.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.06 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

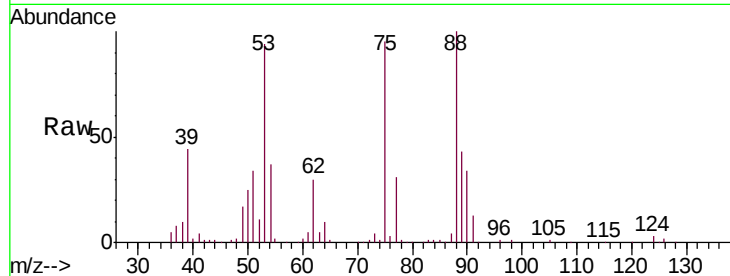
Tot Ion: 75 Resp: 33152

Ion Ratio Lower Upper

75 100

53 104.2 77.8 116.8

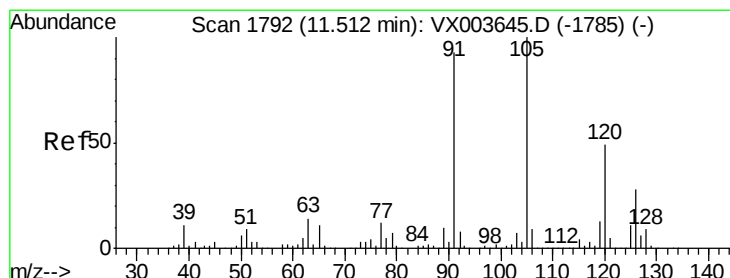
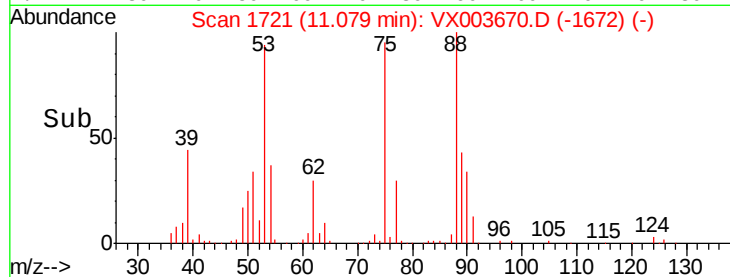
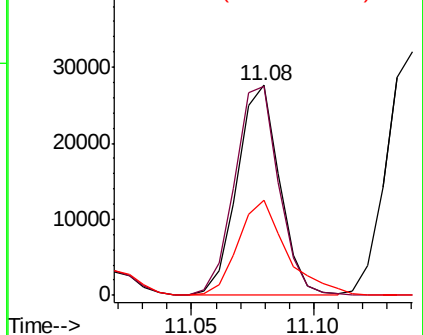
89 52.2 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 55.59 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003670.D

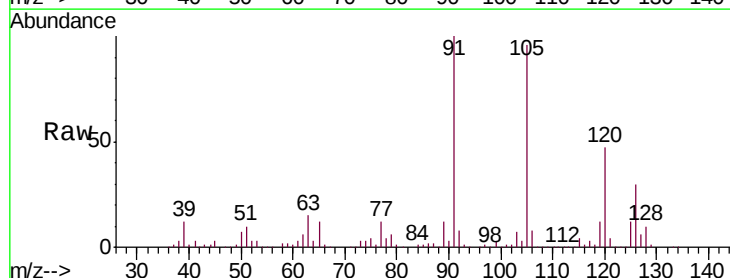
Acq: 26 Jul 2018 12:56

Tgt Ion: 91 Resp: 264858

Ion Ratio Lower Upper

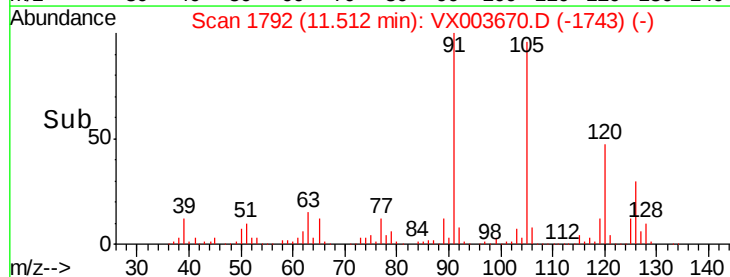
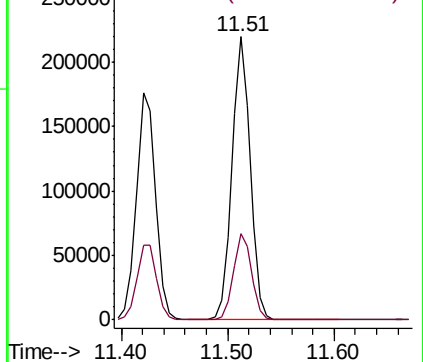
91 100

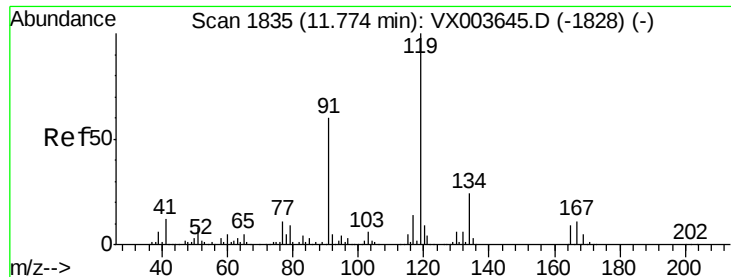
126 30.3 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

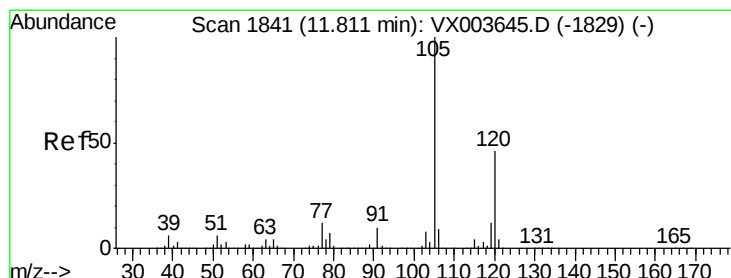
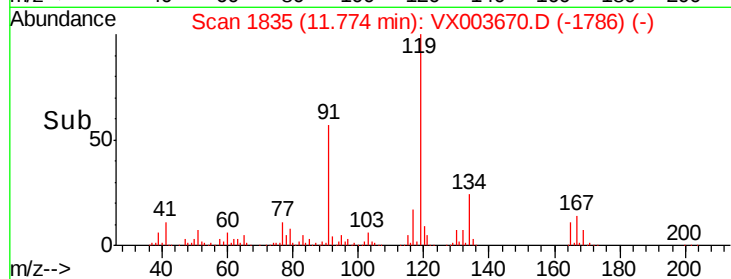
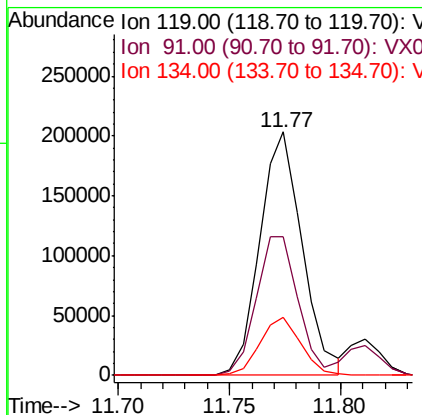
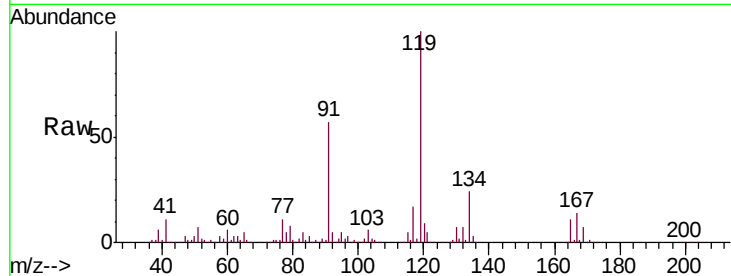




#83
 tert-Butylbenzene
 Concen: 56.50 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

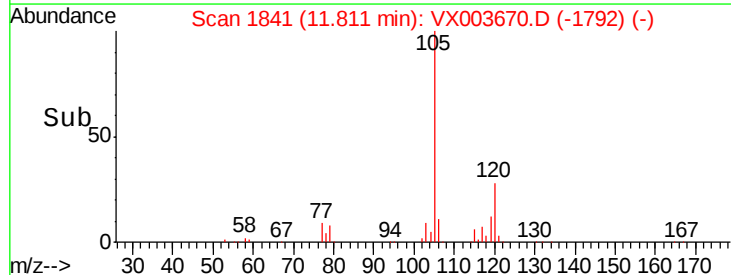
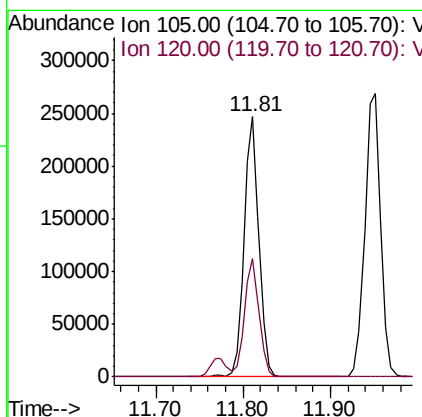
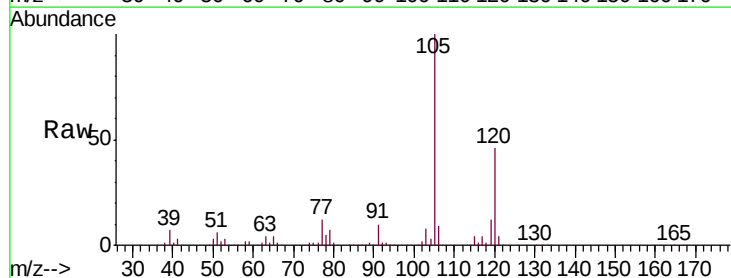
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

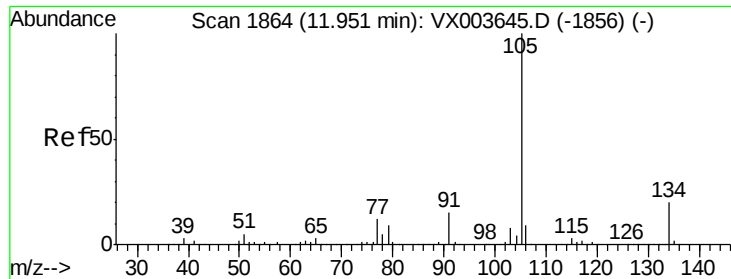
Tot Ion:119 Resp: 269580
 Ion Ratio Lower Upper
 119 100
 91 56.2 28.4 85.2
 134 22.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 57.76 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Tgt Ion:105 Resp: 289450
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.8

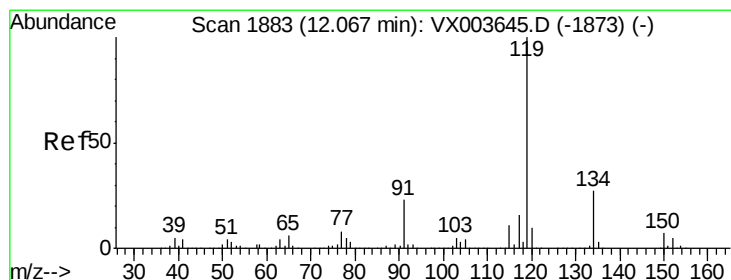
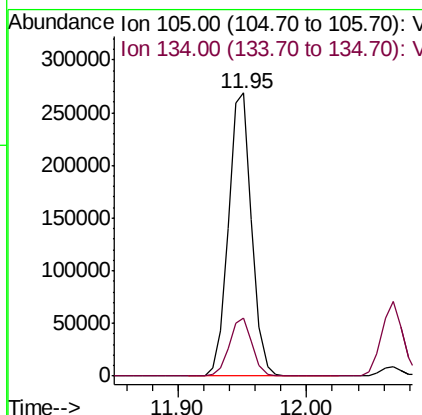
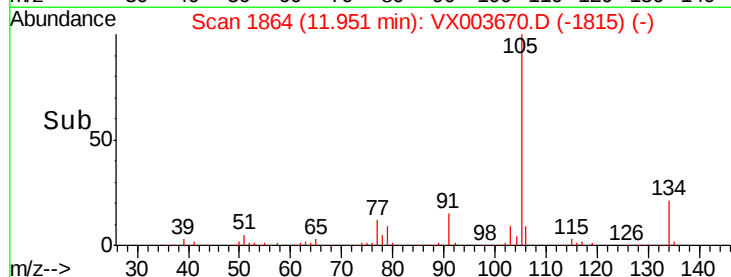
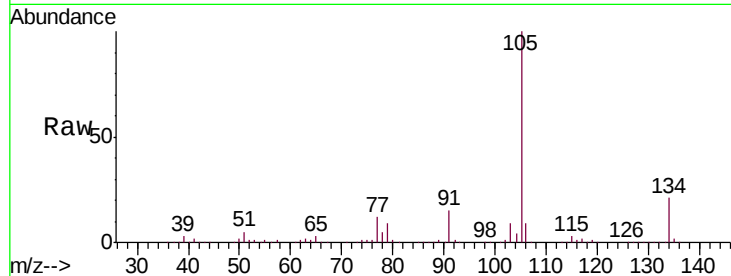




#85
 sec-Butylbenzene
 Concen: 59.44 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

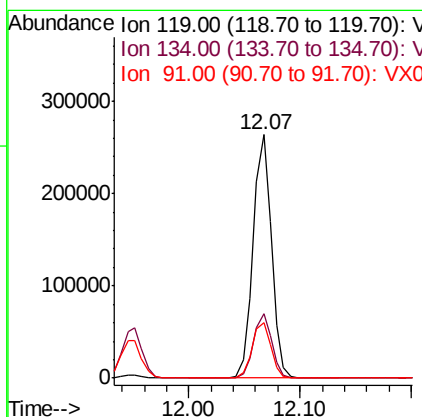
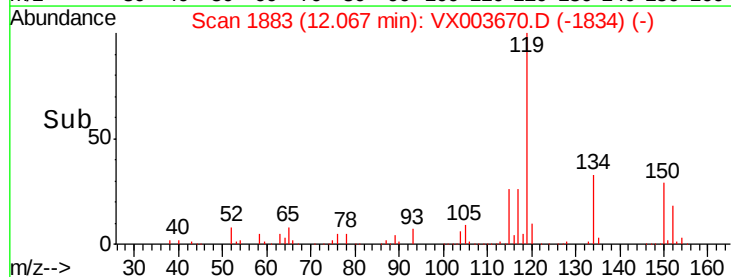
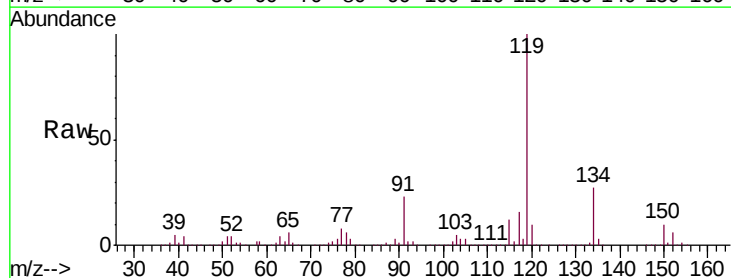
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

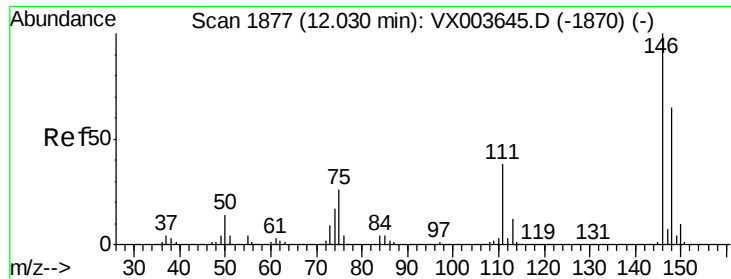
Tot Ion:105 Resp: 338478
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 59.37 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Tgt Ion:119 Resp: 303457
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 23.3 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 55.98 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

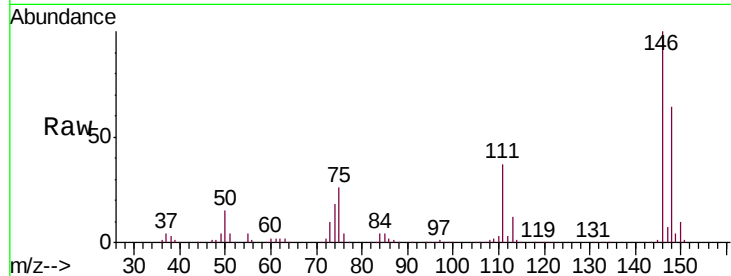
Tot Ion:146 Resp: 163176

Ion Ratio Lower Upper

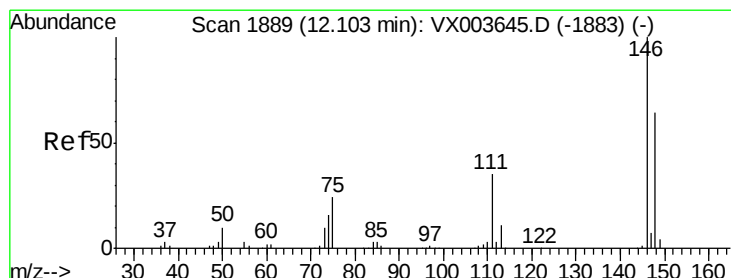
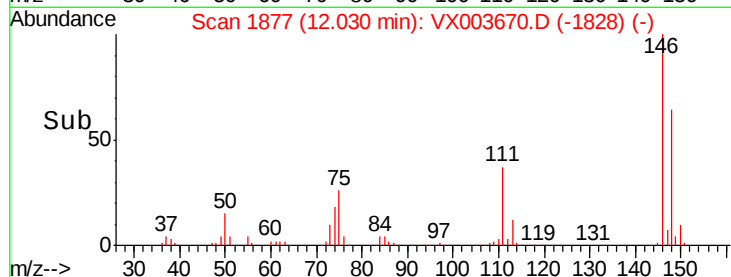
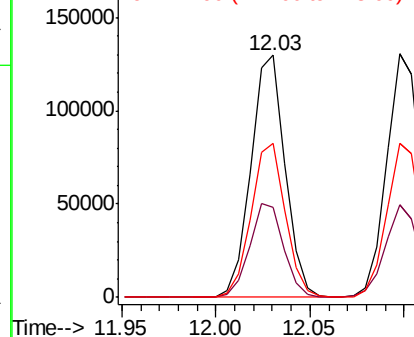
146 100

111 38.6 19.4 58.2

148 63.7 32.4 97.0



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



#88

1,4-Dichlorobenzene

Concen: 54.05 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

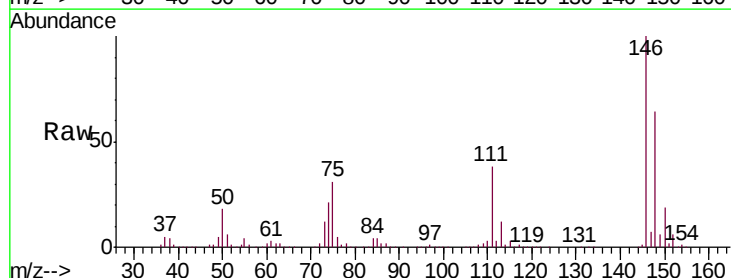
Tgt Ion:146 Resp: 163815

Ion Ratio Lower Upper

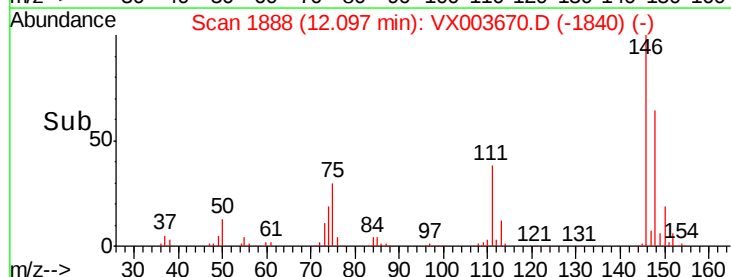
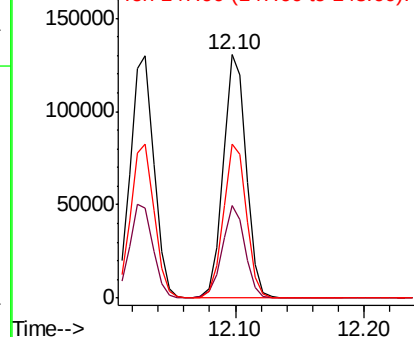
146 100

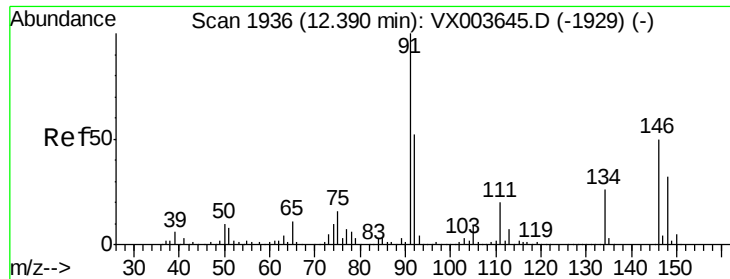
111 37.7 18.6 55.6

148 63.7 32.0 96.2



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





#89

n-Butylbenzene

Concen: 59.18 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

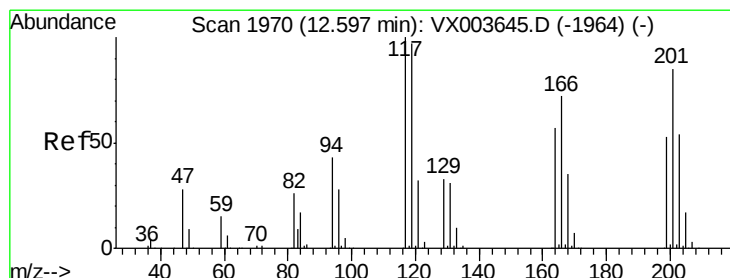
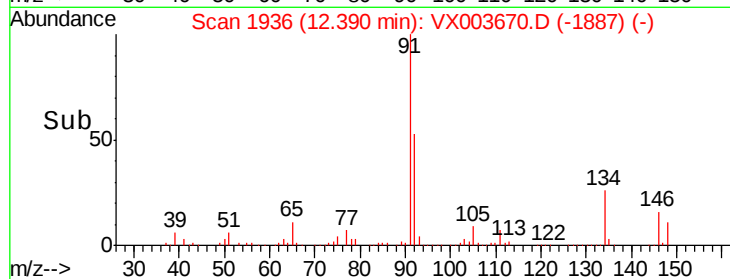
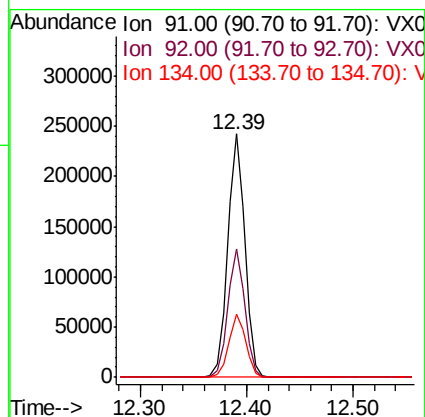
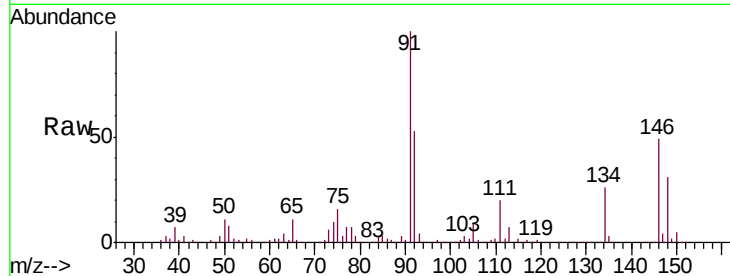
Tot Ion: 91 Resp: 272628

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.9

134 25.7 13.3 39.8



#90

Hexachloroethane

Concen: 58.61 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003670.D

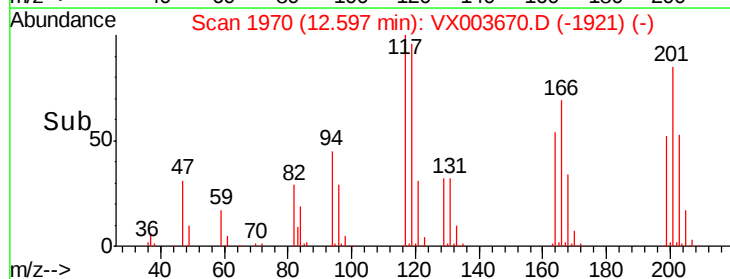
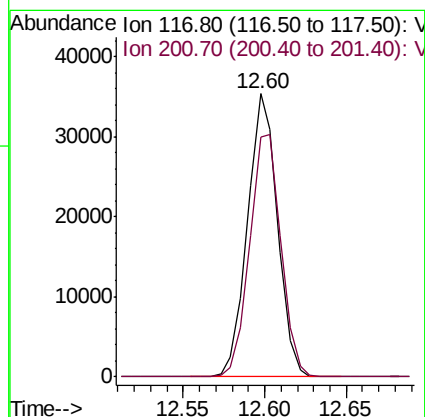
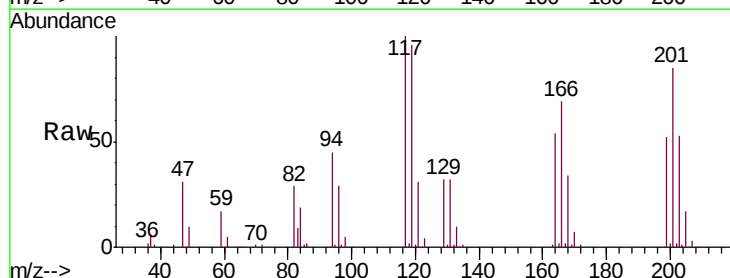
Acq: 26 Jul 2018 12:56

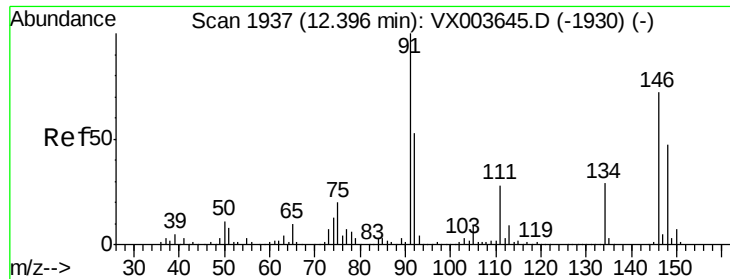
Tgt Ion: 117 Resp: 45364

Ion Ratio Lower Upper

117 100

201 89.2 46.2 138.5

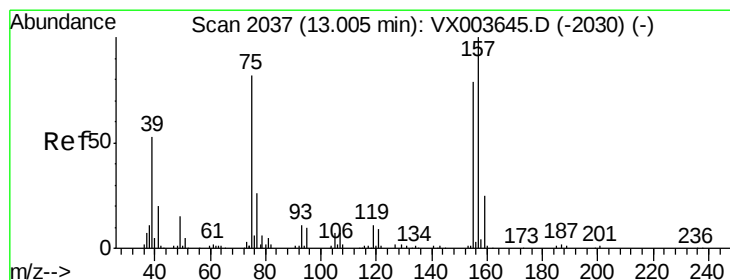
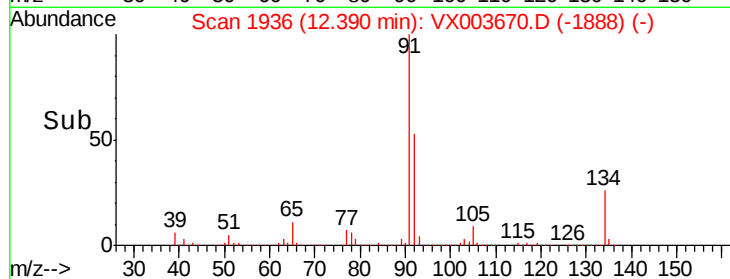
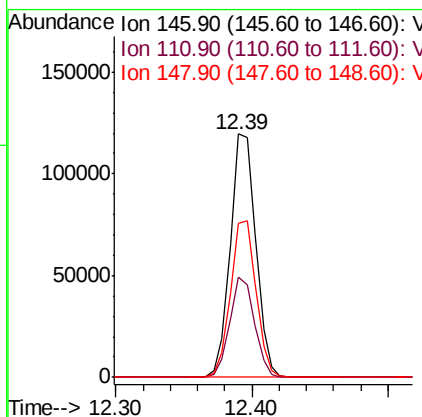
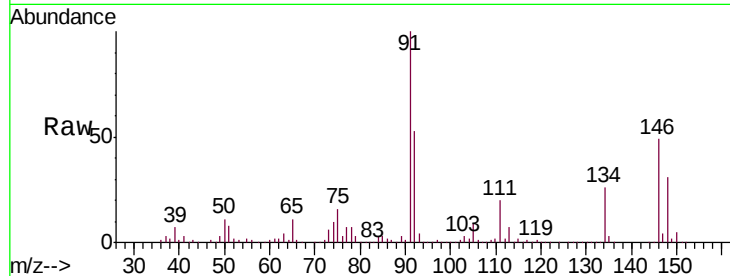




#91
 1,2-Dichlorobenzene
 Concen: 52.41 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

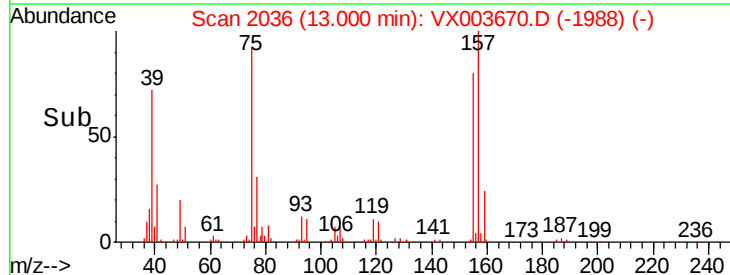
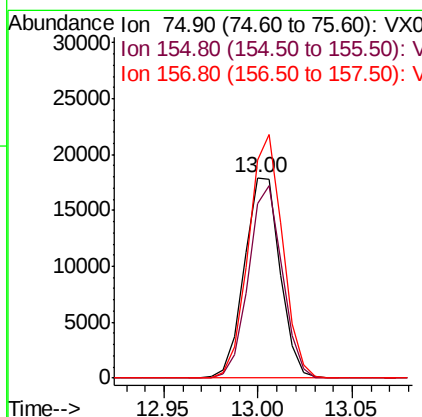
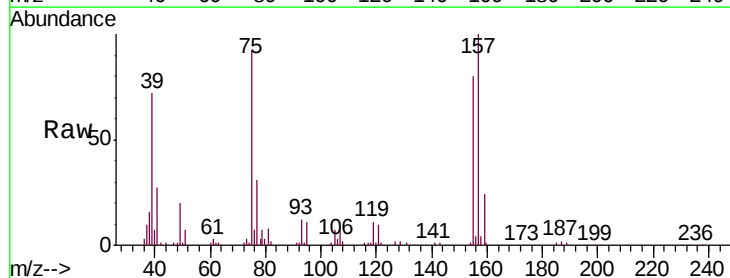
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

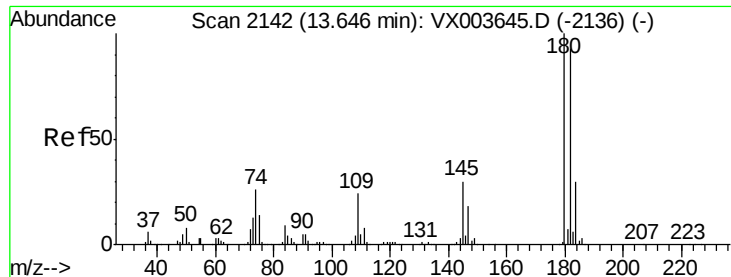
Tot Ion:146 Resp: 156093
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.8 59.4
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.11 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Tgt Ion: 75 Resp: 23529
 Ion Ratio Lower Upper
 75 100
 155 90.5 46.1 138.3
 157 115.8 59.7 179.0

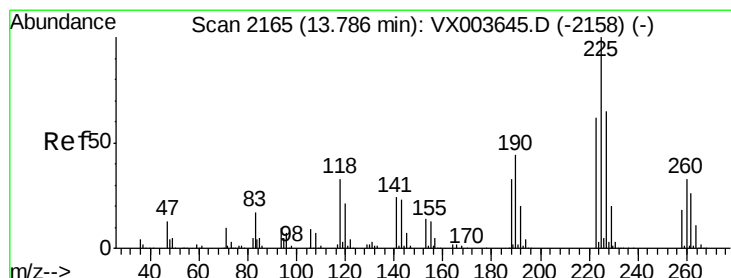
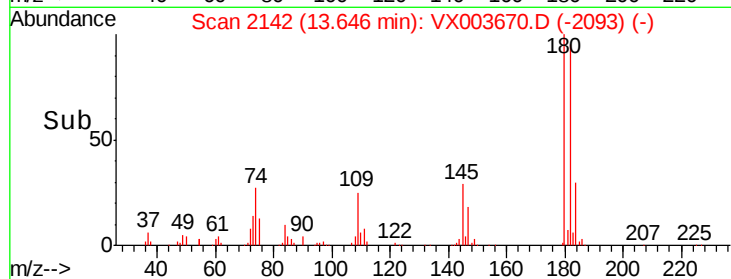
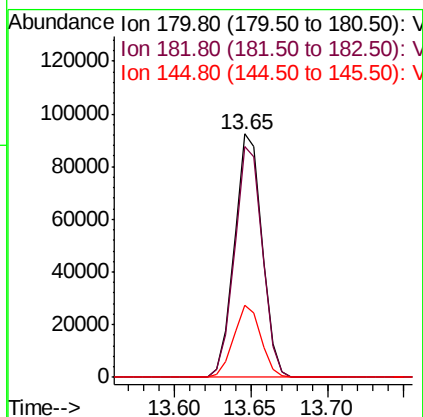
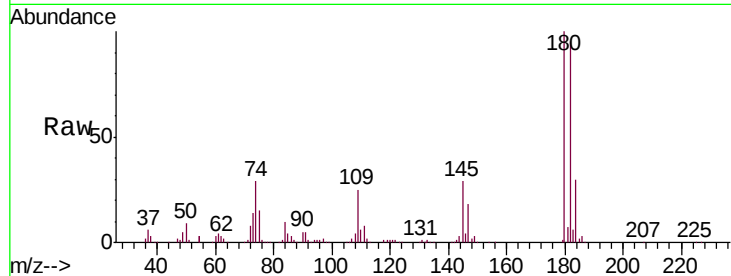




#93
 1,2,4-Trichlorobenzene
 Concen: 54.32 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

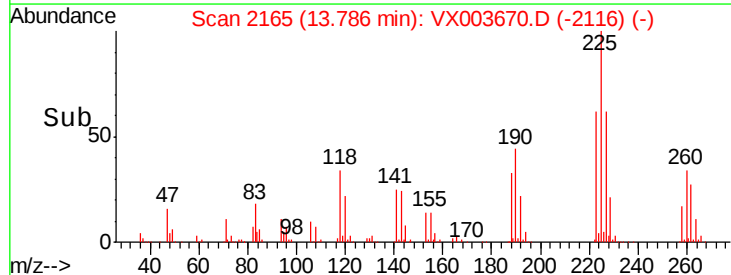
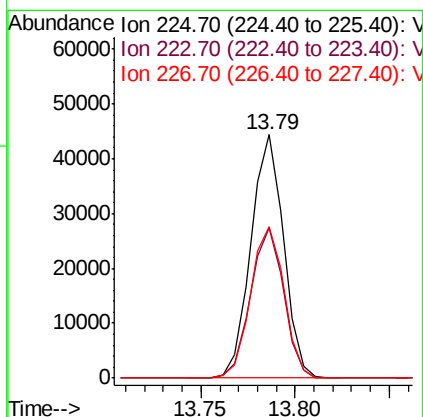
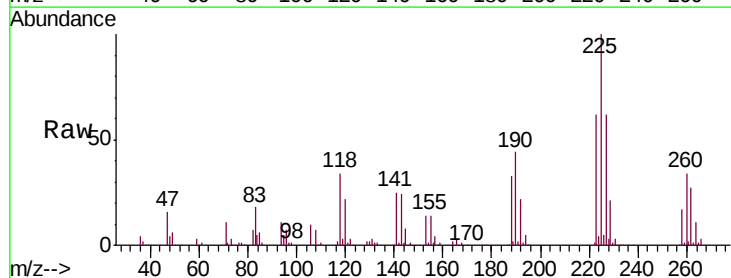
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

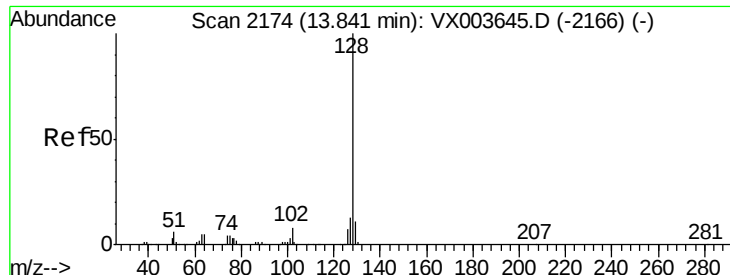
Tot Ion:180 Resp: 115442
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.8
 145 29.0 14.4 43.2



#94
 Hexachlorobutadiene
 Concen: 54.24 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003670.D
 Acq: 26 Jul 2018 12:56

Tgt Ion:225 Resp: 53331
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.5
 227 63.7 31.9 95.7





#95

Naphthalene

Concen: 55.25 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

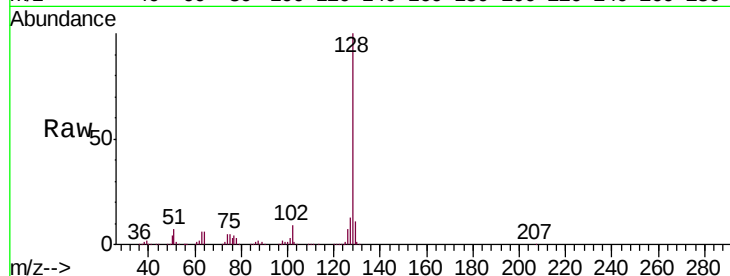
Tot Ion:128 Resp: 355125

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 8.7 13.1

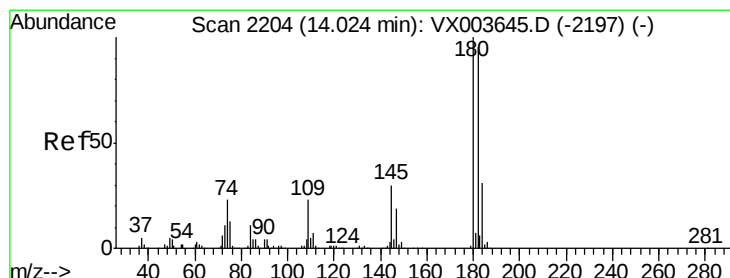
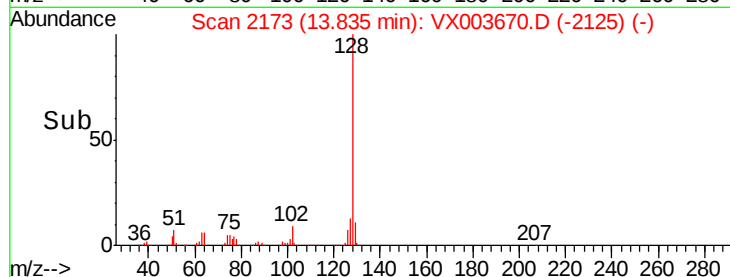
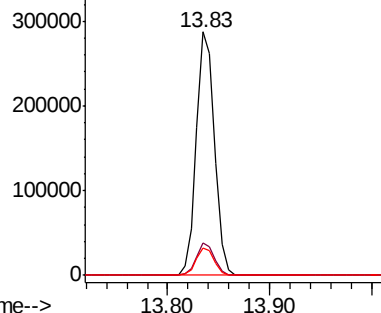


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 53.62 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003670.D

Acq: 26 Jul 2018 12:56

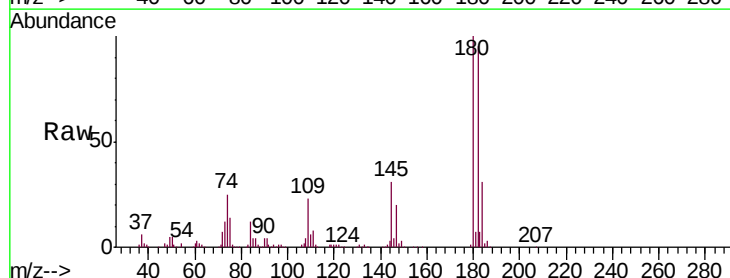
Tgt Ion:180 Resp: 115745

Ion Ratio Lower Upper

180 100

182 96.0 47.6 142.8

145 30.8 15.0 45.1



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

