

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004166.D
 Acq On : 21 Aug 2018 10:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 22 00:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	342071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	481994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	459710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	281586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	212546	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
35) Dibromofluoromethane	5.50	113	181977	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.71	98	700544	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.13	95	257066	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	156265	46.93	ug/l	99
3) Chloromethane	1.32	50	187976	46.00	ug/l	100
4) Vinyl Chloride	1.40	62	203311	45.99	ug/l	100
5) Bromomethane	1.64	94	99503	44.39	ug/l	99
6) Chloroethane	1.72	64	140616	48.29	ug/l	98
7) Trichlorofluoromethane	1.93	101	290512	46.84	ug/l	99
8) Diethyl Ether	2.18	74	127552	47.11	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	184629	47.72	ug/l	100
10) Methyl Iodide	2.51	142	176968	43.54	ug/l	100
11) Tert butyl alcohol	3.06	59	207154	213.44	ug/l	100
12) 1,1-Dichloroethene	2.37	96	167160	46.45	ug/l	97
13) Acrolein	2.29	56	131571	202.01	ug/l	99
14) Allyl chloride	2.73	41	319611	46.68	ug/l	97
15) Acrylonitrile	3.15	53	540873	223.51	ug/l	100
16) Acetone	2.44	43	605385	241.59	ug/l	100
17) Carbon Disulfide	2.57	76	451015	44.19	ug/l	99
18) Methyl Acetate	2.78	43	273867	49.18	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	593150	46.78	ug/l	100
20) Methylene Chloride	2.86	84	199340	48.65	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	188252	46.06	ug/l	96
22) Diisopropyl ether	3.87	45	625558	46.62	ug/l	99
23) Vinyl Acetate	3.82	43	2626807	238.37	ug/l	100
24) 1,1-Dichloroethane	3.70	63	356144	46.86	ug/l	100
25) 2-Butanone	4.70	43	895849	219.72	ug/l	99
26) 2,2-Dichloropropane	4.58	77	290429	48.07	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	217817	47.40	ug/l	97
28) Bromochloromethane	5.01	49	173963	49.89	ug/l	99
29) Tetrahydrofuran	5.15	42	445158	213.70	ug/l	99
30) Chloroform	5.21	83	359058	48.41	ug/l	99
31) Cyclohexane	5.57	56	310593	46.62	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	304996	49.21	ug/l	99
36) 1,1-Dichloropropene	5.79	75	273176	49.81	ug/l	99
37) Ethyl Acetate	4.85	43	267785	44.83	ug/l	100
38) Carbon Tetrachloride	5.78	117	269381	50.55	ug/l	96

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 VSTDCCC050

Quant Time: Aug 22 00:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	327552	52.64	ug/l	99
40) Benzene	6.14	78	810378	49.21	ug/l	98
41) Methacrylonitrile	5.06	41	154403	46.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	279218	48.43	ug/l	100
43) Isopropyl Acetate	6.46	43	412130	46.81	ug/l	100
44) Trichloroethene	7.21	130	222779	49.83	ug/l	95
45) 1,2-Dichloropropane	7.51	63	211924	50.27	ug/l	100
46) Dibromomethane	7.66	93	134322	48.75	ug/l	99
47) Bromodichloromethane	7.90	83	270448	51.83	ug/l	98
48) Methyl methacrylate	7.77	41	222756	50.26	ug/l	97
49) 1,4-Dioxane	7.75	88	95428	956.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1787729	247.65	ug/l	100
52) Toluene	8.78	92	533246	51.20	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	309138	54.84	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	334256	53.54	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	212423	49.39	ug/l	99
56) Ethyl methacrylate	9.18	69	311251	53.21	ug/l	99
57) 1,3-Dichloropropane	9.37	76	356853	50.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	854857	287.02	ug/l	100
59) 2-Hexanone	9.49	43	1373426	252.80	ug/l	100
60) Dibromochloromethane	9.59	129	217244	52.48	ug/l	100
61) 1,2-Dibromoethane	9.67	107	220969	50.39	ug/l	100
64) Tetrachloroethene	9.34	164	211066	48.44	ug/l	94
65) Chlorobenzene	10.14	112	594696	50.08	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	209660	51.77	ug/l	98
67) Ethyl Benzene	10.25	91	1012895	53.87	ug/l	97
68) m/p-Xylenes	10.36	106	790830	107.40	ug/l	98
69) o-Xylene	10.70	106	369371	52.49	ug/l	98
70) Styrene	10.71	104	633759	53.51	ug/l	97
71) Bromoform	10.86	173	159593	49.69	ug/l	99
73) Isopropylbenzene	11.02	105	976401	51.24	ug/l	94
74) N-amyl acetate	6.46	43	412130	45.98	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	320339	48.14	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	374757	66.36	ug/l	84
77) Bromobenzene	11.26	156	263946	50.25	ug/l	98
78) n-propylbenzene	11.36	91	1166107	54.68	ug/l	99
79) 2-Chlorotoluene	11.42	91	648034	49.86	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	841818	53.95	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	95912	52.58	ug/l	96
82) 4-Chlorotoluene	11.51	91	777554	50.62	ug/l	99
83) tert-Butylbenzene	11.77	119	855887	54.40	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	897151	55.52	ug/l	99
85) sec-Butylbenzene	11.94	105	1029271	55.90	ug/l	99
86) p-Isopropyltoluene	12.07	119	919324	55.15	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	502646	50.17	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	507778	49.25	ug/l	99
89) n-Butylbenzene	12.39	91	842843	64.17	ug/l	99
90) Hexachloroethane	12.60	117	136270	54.64	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	513817	56.87	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60765	51.96	ug/l	98

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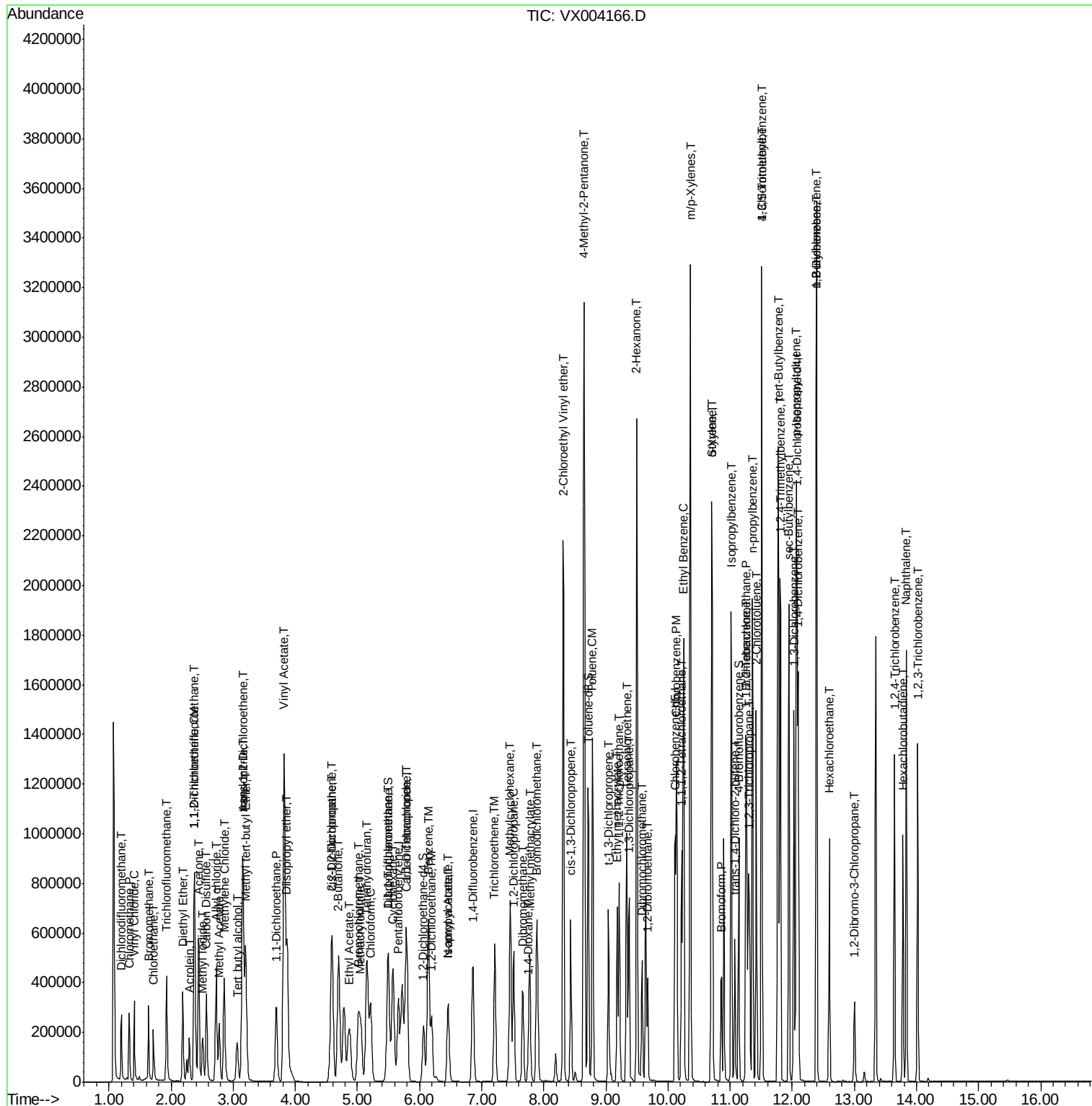
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

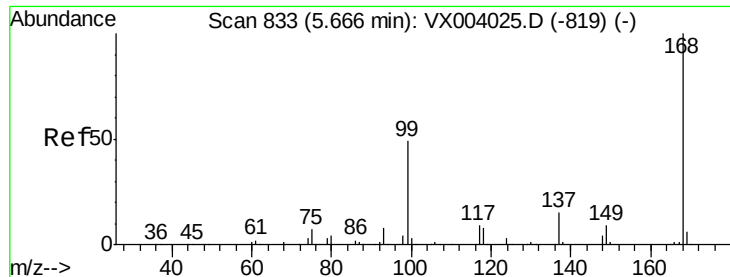
Quant Time: Aug 22 00:47:51 2018
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	339610	54.99	ug/l	99
94) Hexachlorobutadiene	13.79	225	165373	53.41	ug/l	99
95) Naphthalene	13.83	128	1021761	51.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	355887	52.84	ug/l	97

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

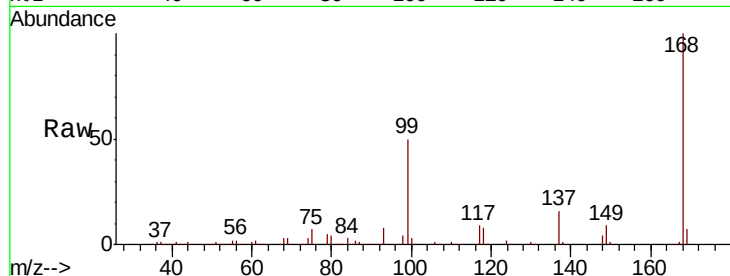
VSTDCCC050

Tot Ion:168 Resp: 342071

Ion Ratio Lower Upper

168 100

99 49.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

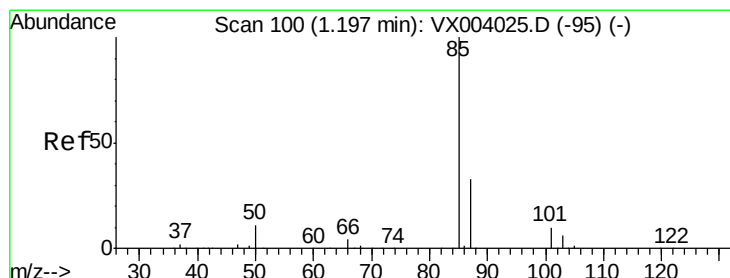
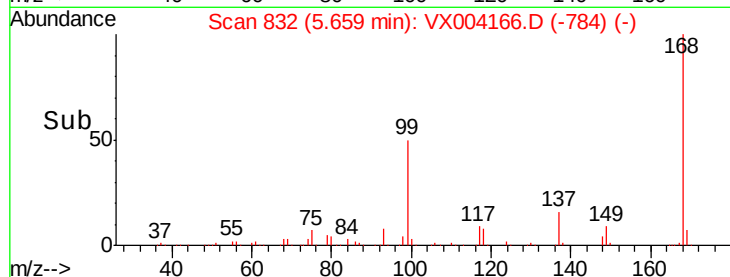
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.93 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004166.D

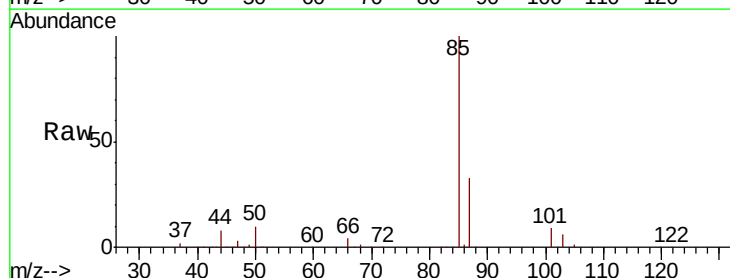
Acq: 21 Aug 2018 10:20

Tgt Ion: 85 Resp: 156265

Ion Ratio Lower Upper

85 100

87 32.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

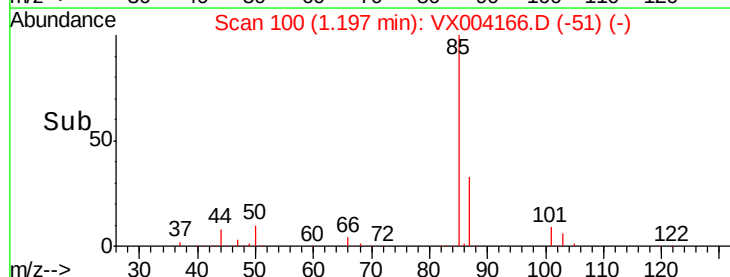
150000

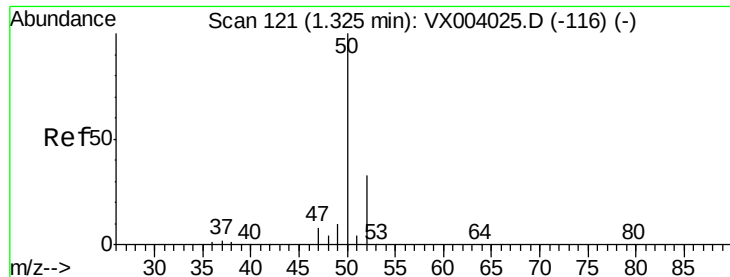
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

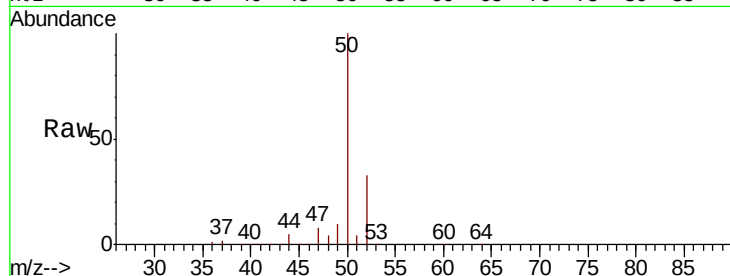
VSTDCCC050

Tot Ion: 50 Resp: 187976

Ion Ratio Lower Upper

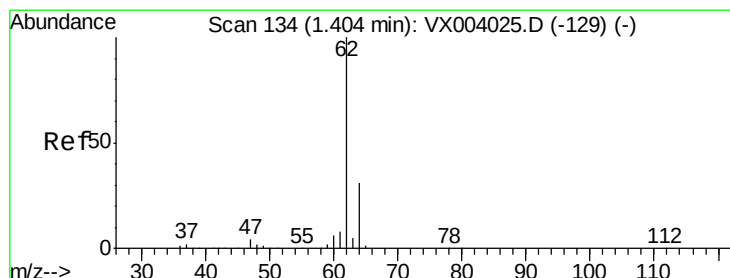
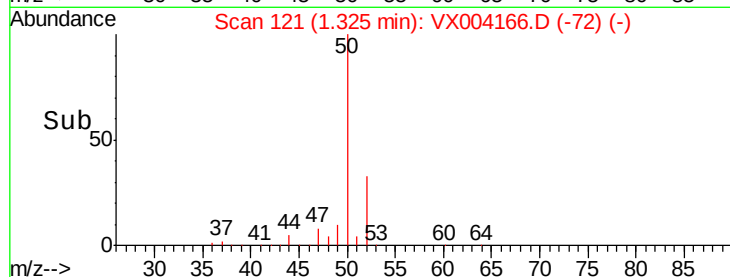
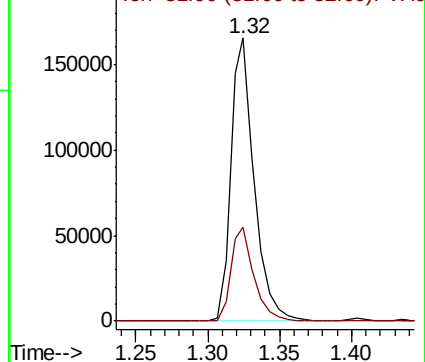
50 100

52 33.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004166.D

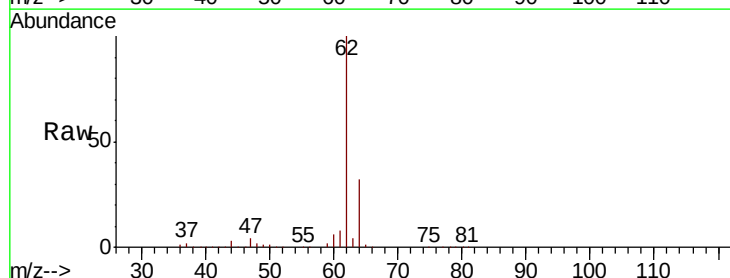
Acq: 21 Aug 2018 10:20

Tgt Ion: 62 Resp: 203311

Ion Ratio Lower Upper

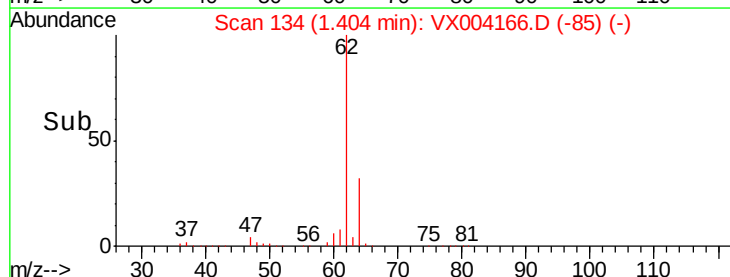
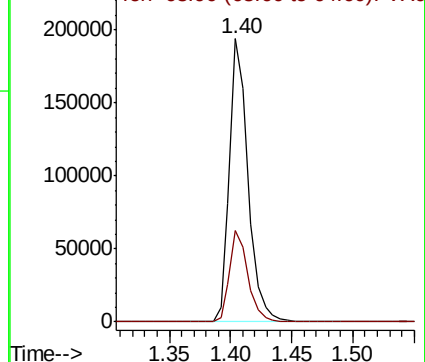
62 100

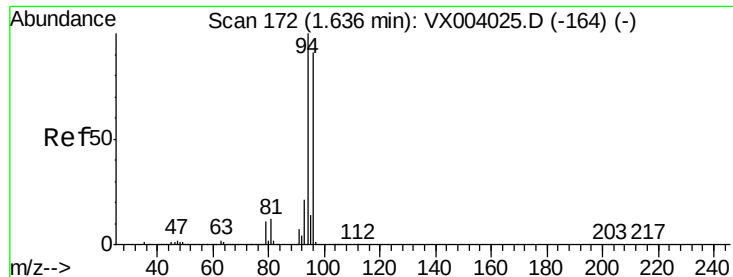
64 32.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

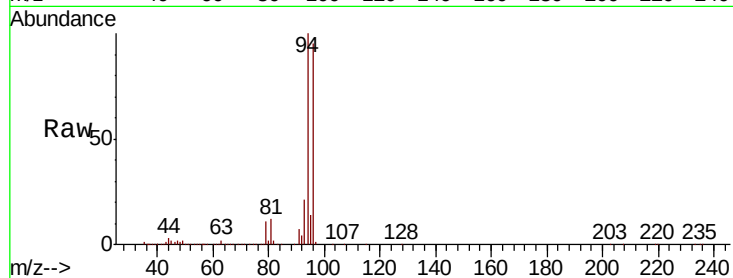
VSTDCCC050

Tot Ion: 94 Resp: 99503

Ion Ratio Lower Upper

94 100

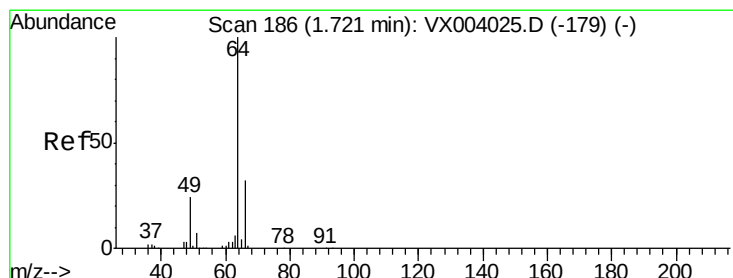
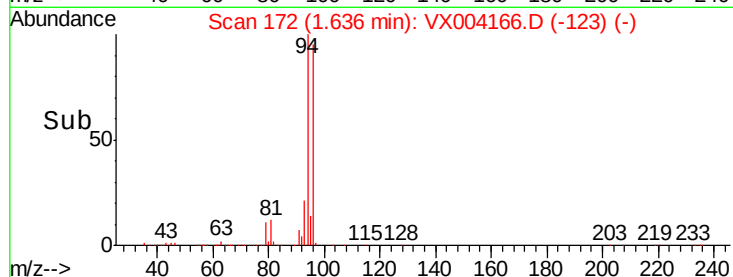
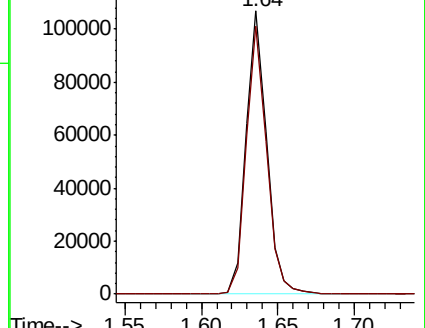
96 94.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64



#6

Chloroethane

Concen: 48.29 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004166.D

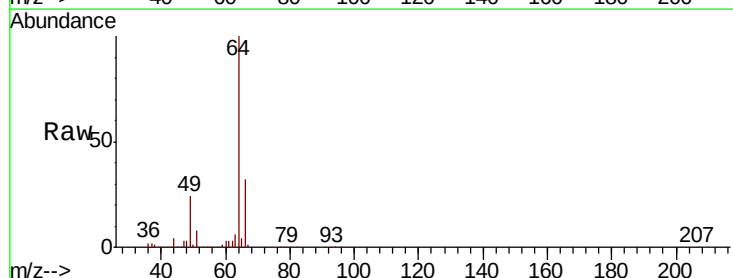
Acq: 21 Aug 2018 10:20

Tgt Ion: 64 Resp: 140616

Ion Ratio Lower Upper

64 100

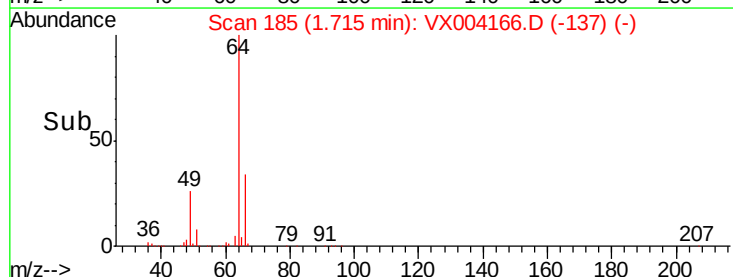
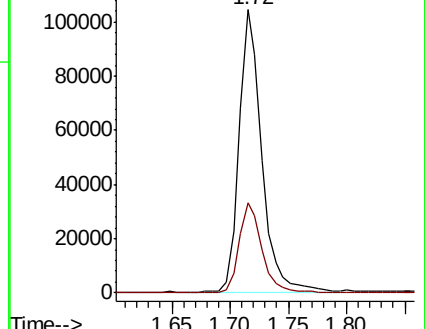
66 31.8 26.5 39.7

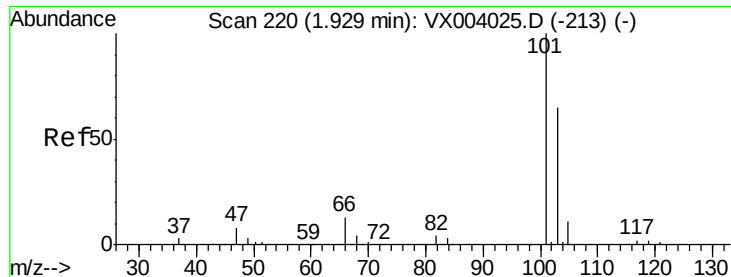


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72



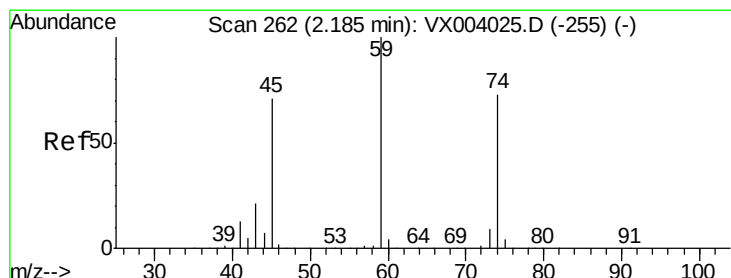
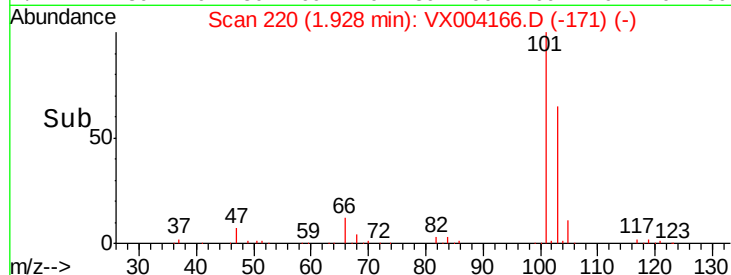
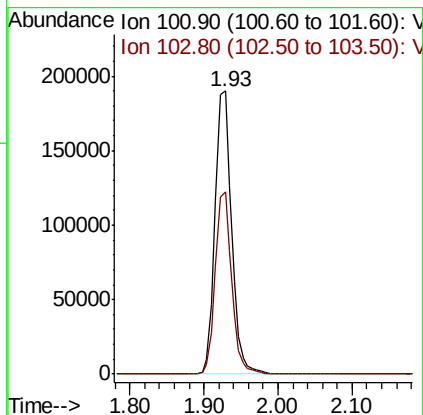
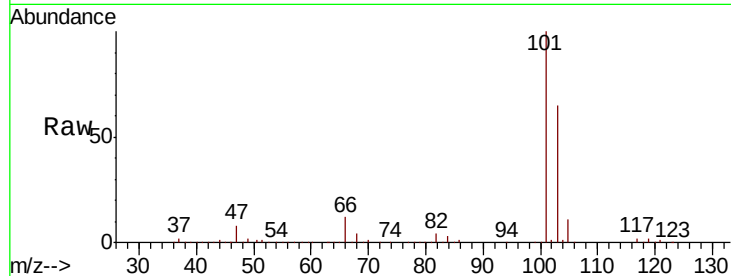


#7

Trichlorofluoromethane
 Concen: 46.84 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
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 VSTDCCC050

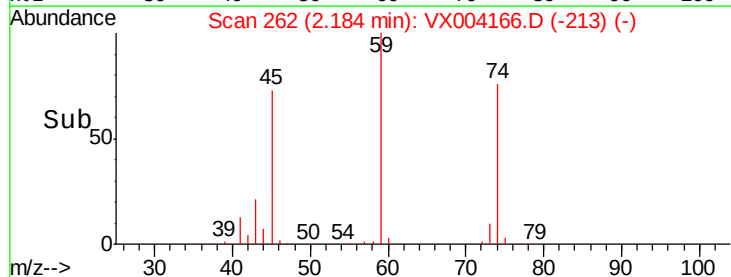
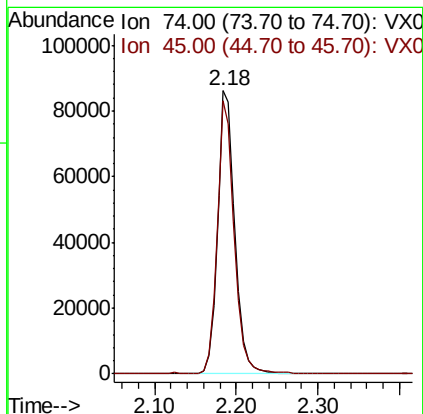
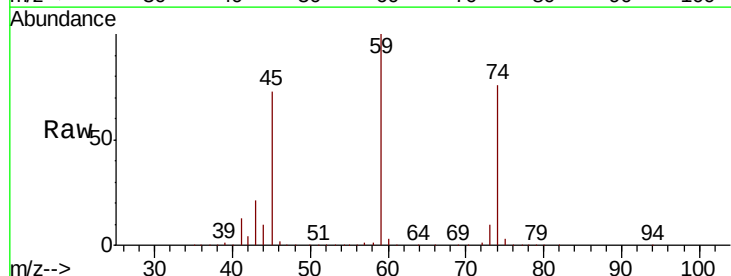
Tot Ion:101 Resp: 290512
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.3 78.5

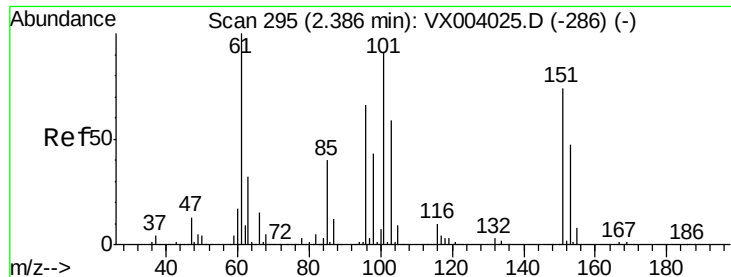


#8

Diethyl Ether
 Concen: 47.11 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 74 Resp: 127552
 Ion Ratio Lower Upper
 74 100
 45 94.7 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.72 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

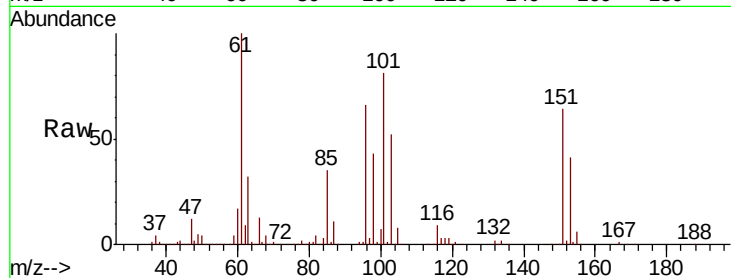
Tot Ion:101 Resp: 184629

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

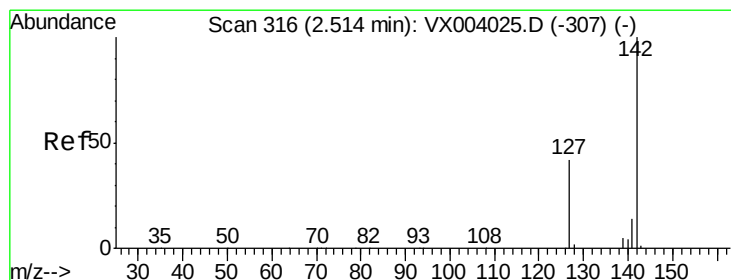
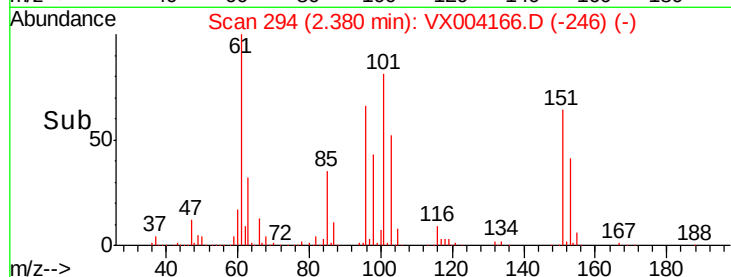
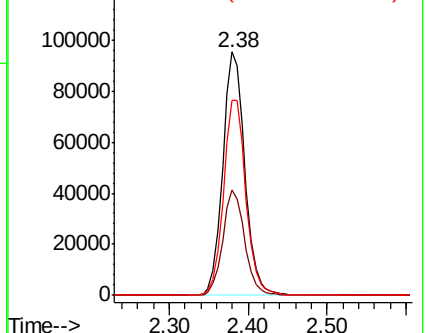
151 81.5 65.0 97.4



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: 43.54 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

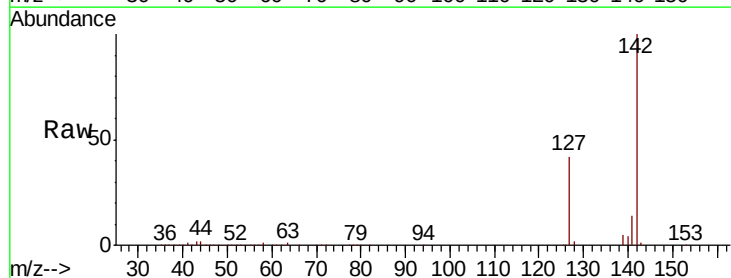
Tgt Ion:142 Resp: 176968

Ion Ratio Lower Upper

142 100

127 41.6 33.1 49.7

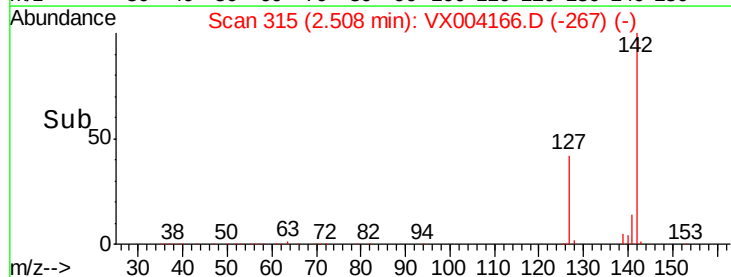
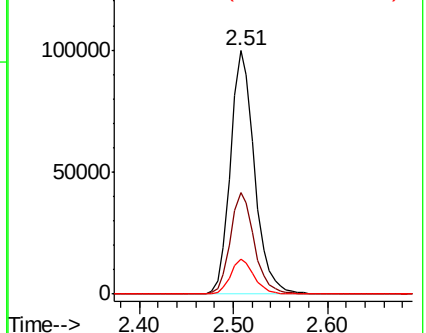
141 14.3 11.1 16.7

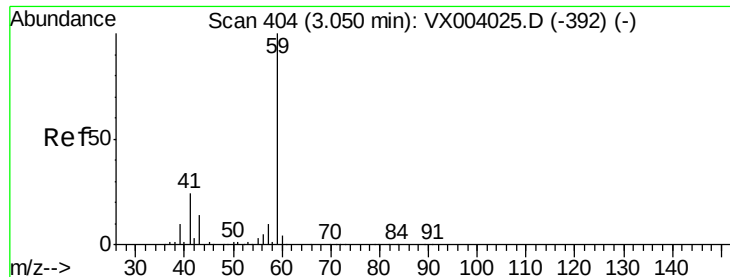


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



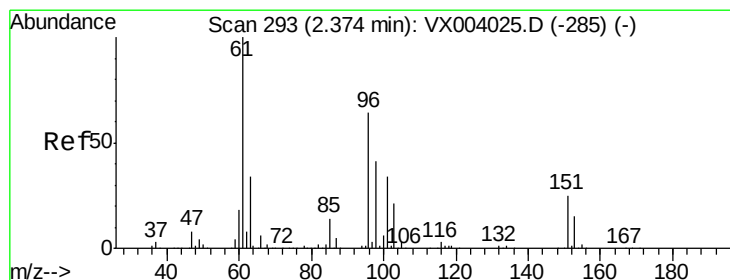
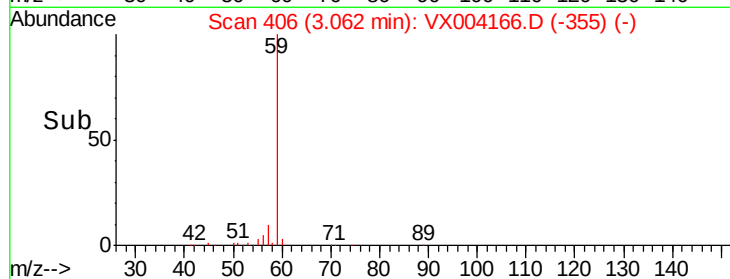
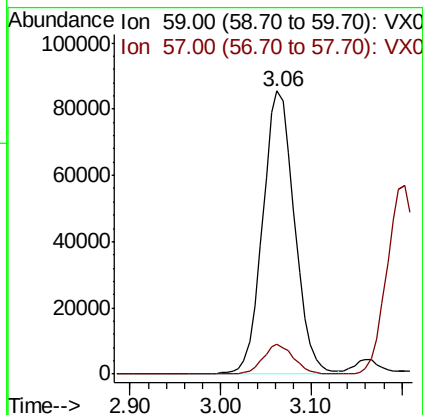
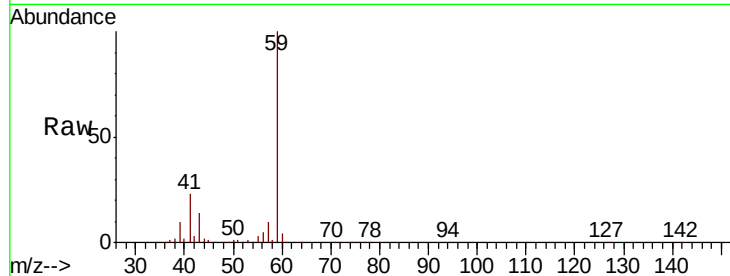


#11

Tert butyl alcohol
 Concen: 213.44 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

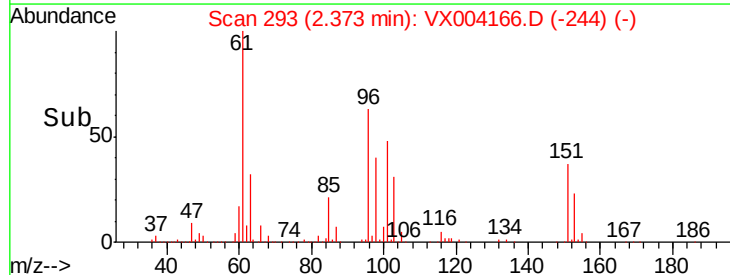
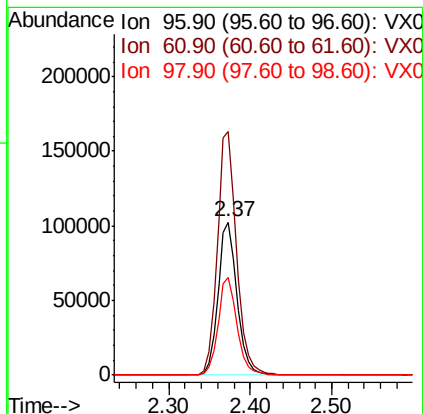
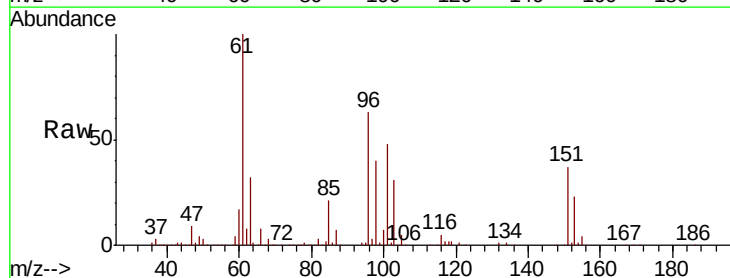
Tot Ion: 59 Resp: 207154
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

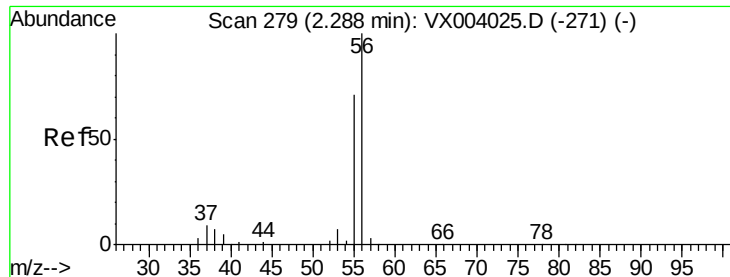


#12

1,1-Dichloroethene
 Concen: 46.45 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 96 Resp: 167160
 Ion Ratio Lower Upper
 96 100
 61 159.4 131.3 196.9
 98 64.1 51.8 77.6





#13

Acrolein

Concen: 202.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

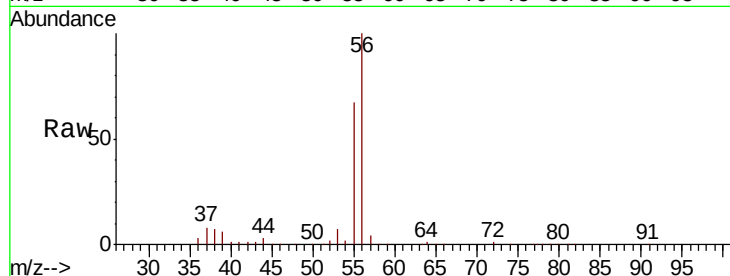
VSTDCCC050

Tot Ion: 56 Resp: 131571

Ion Ratio Lower Upper

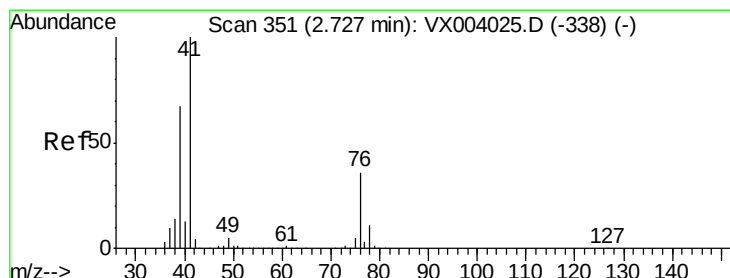
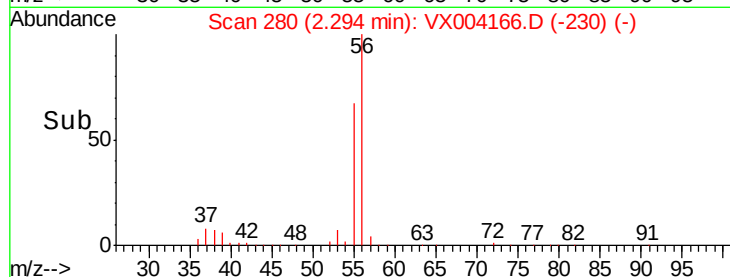
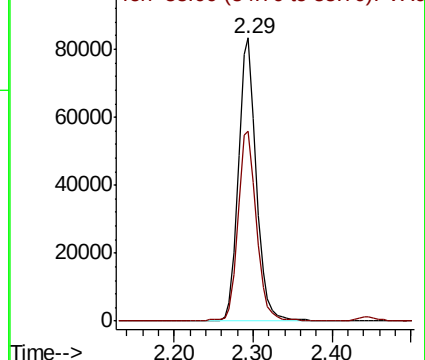
56 100

55 69.0 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.68 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

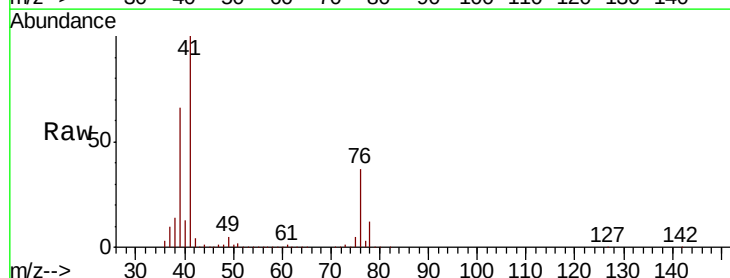
Tgt Ion: 41 Resp: 319611

Ion Ratio Lower Upper

41 100

39 61.9 47.4 71.0

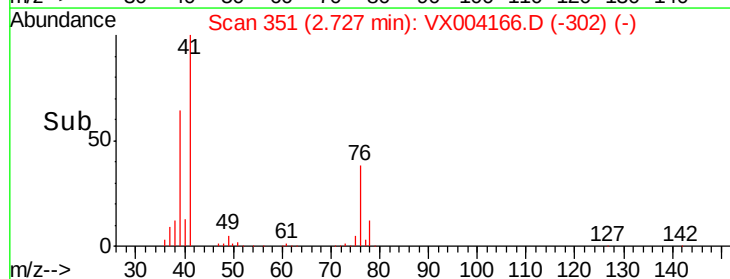
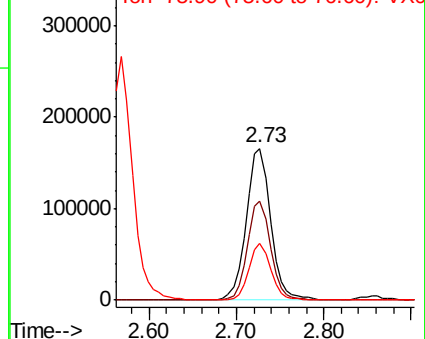
76 33.5 26.0 39.0

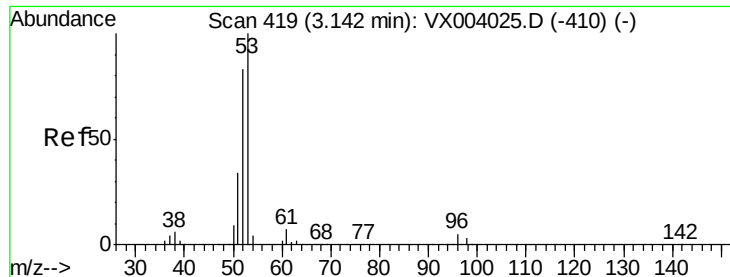


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 223.51 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

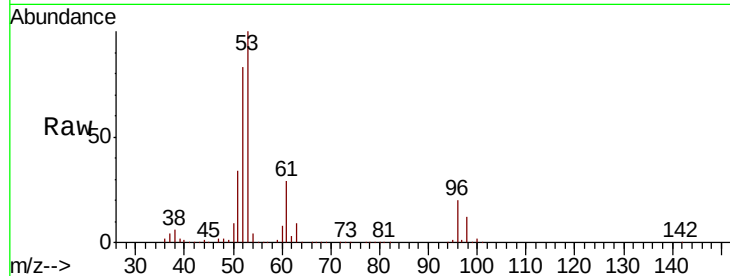
Tot Ion: 53 Resp: 540873

Ion Ratio Lower Upper

53 100

52 81.9 65.3 97.9

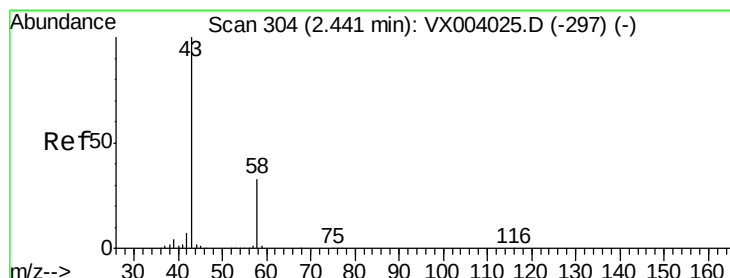
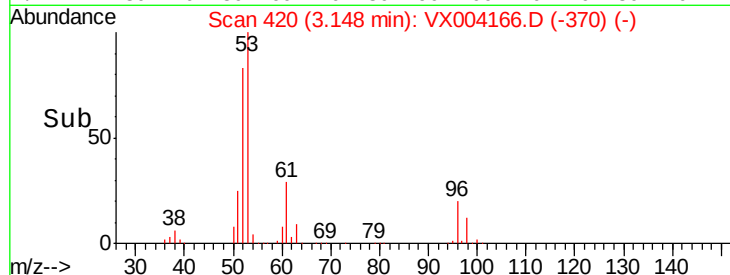
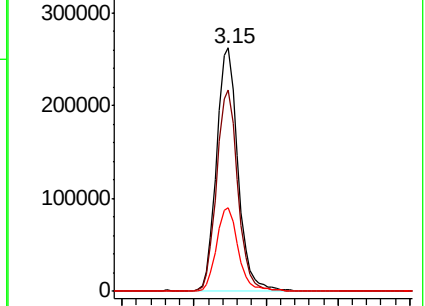
51 34.9 27.9 41.9



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: 241.59 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004166.D

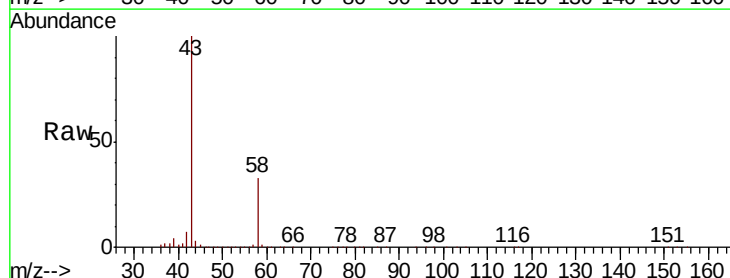
Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 605385

Ion Ratio Lower Upper

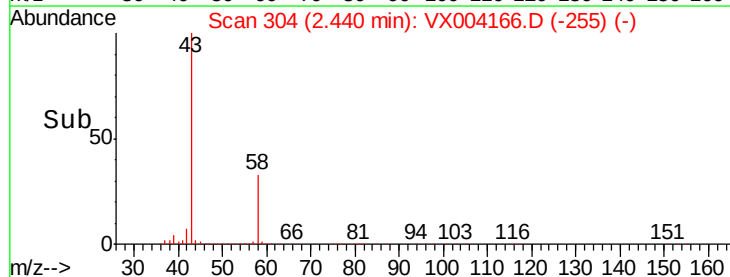
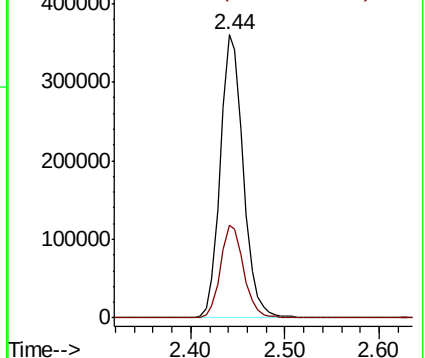
43 100

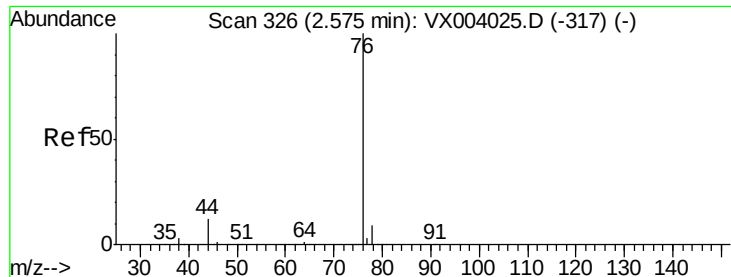
58 32.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.19 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

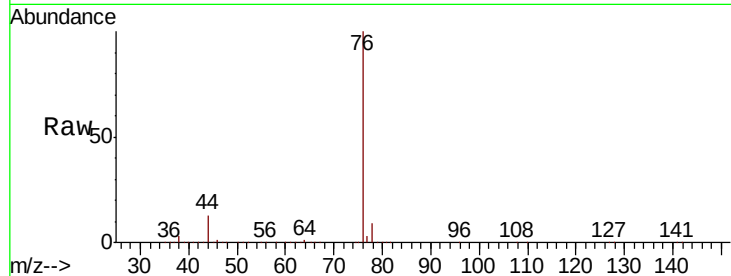
VSTDCCC050

Tot Ion: 76 Resp: 451015

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300000

250000

200000

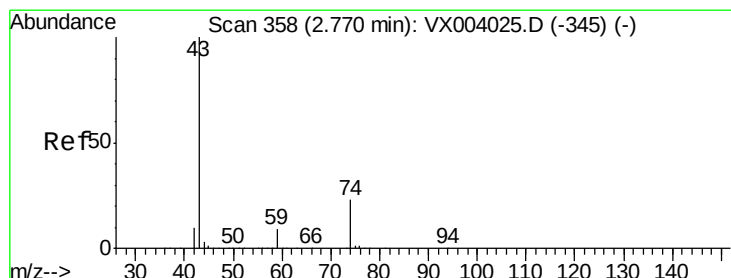
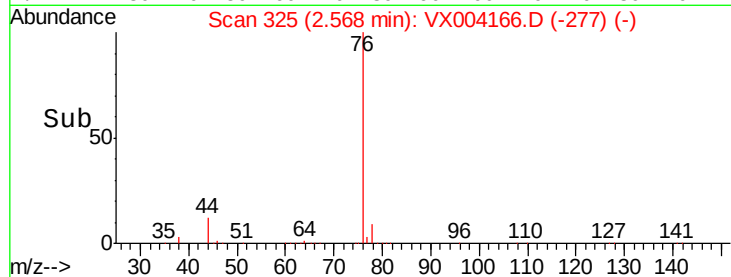
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.18 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004166.D

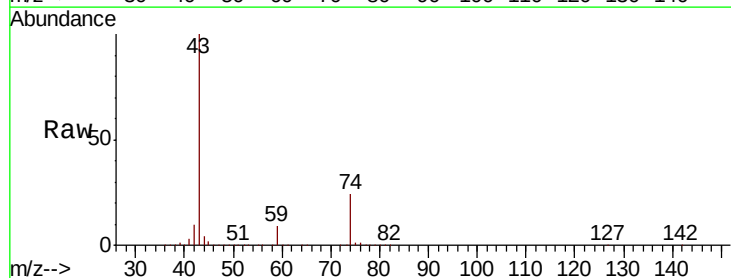
Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 273867

Ion Ratio Lower Upper

43 100

74 24.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

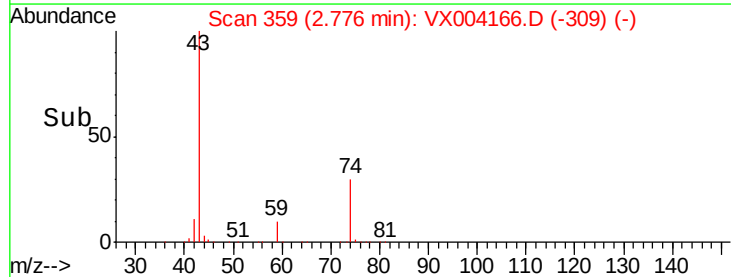
150000

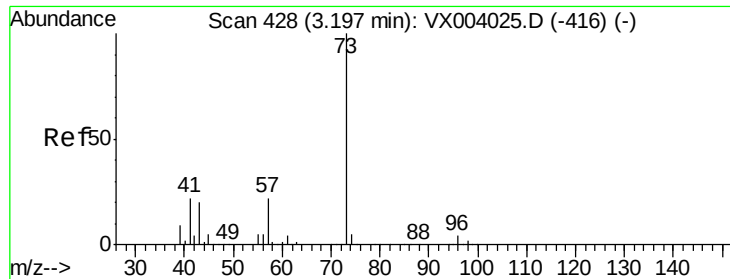
100000

50000

0

Time-->

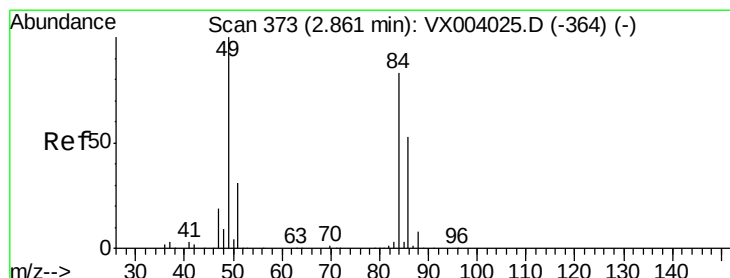
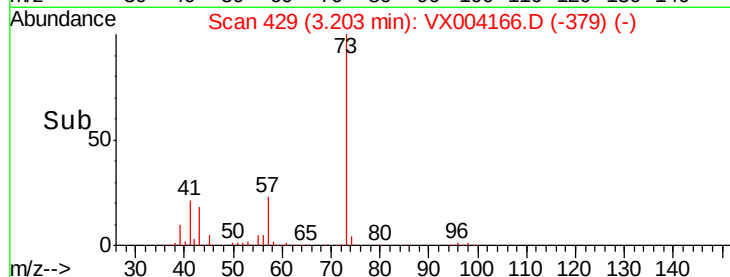
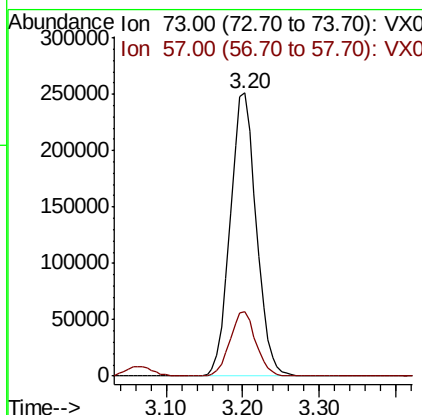
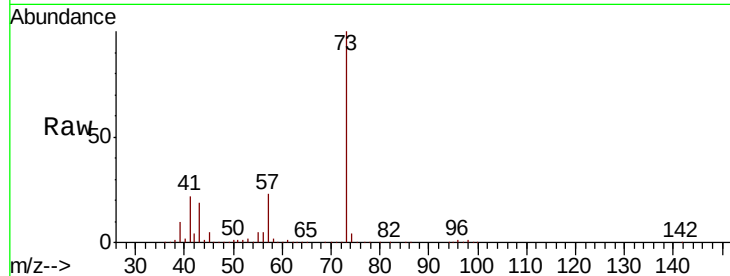




#19
Methyl tert-butyl Ether
Concen: 46.78 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

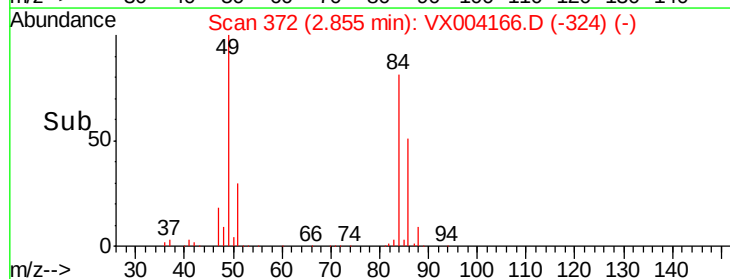
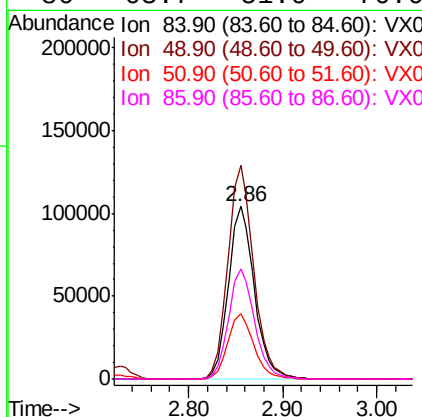
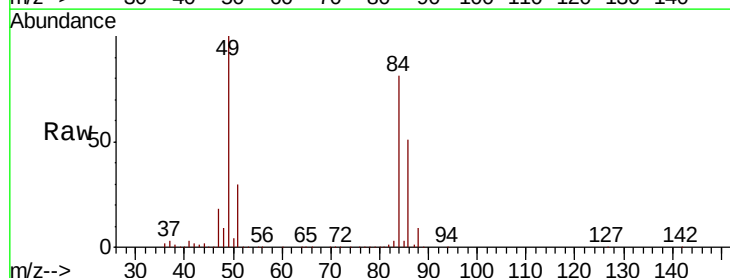
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

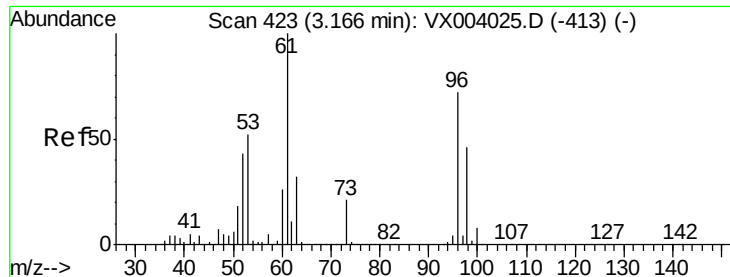
Tot Ion: 73 Resp: 593150
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0



#20
Methylene Chloride
Concen: 48.65 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 84 Resp: 199340
Ion Ratio Lower Upper
84 100
49 123.9 98.9 148.3
51 37.5 29.9 44.9
86 63.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.06 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

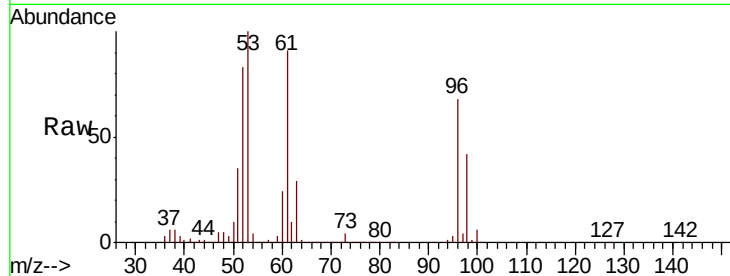
Tot Ion: 96 Resp: 188252

Ion Ratio Lower Upper

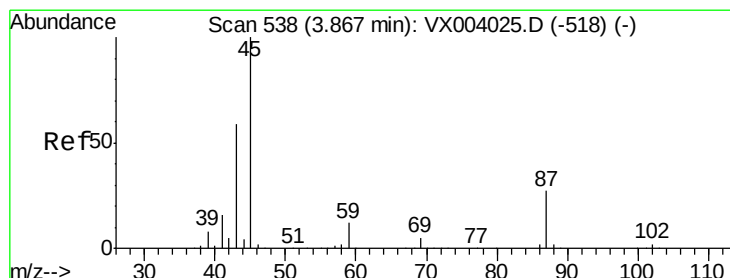
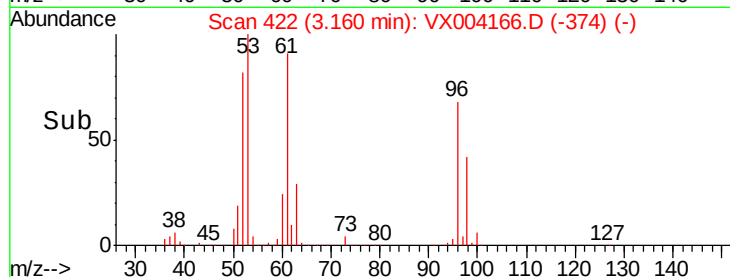
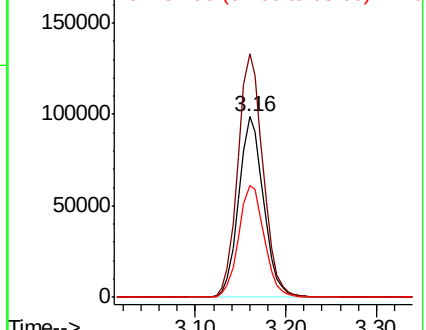
96 100

61 134.9 111.8 167.6

98 62.3 51.8 77.6



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



#22

Diisopropyl ether

Concen: 46.62 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion: 45 Resp: 625558

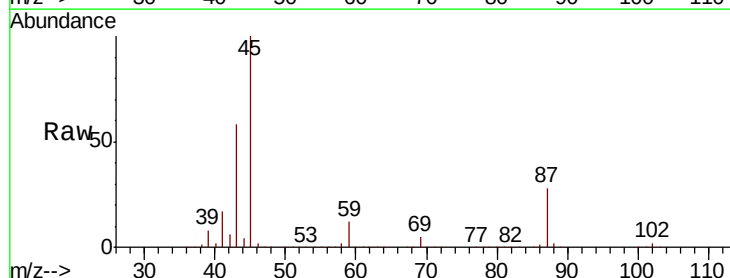
Ion Ratio Lower Upper

45 100

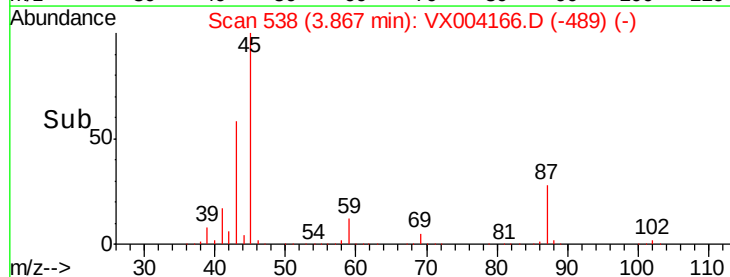
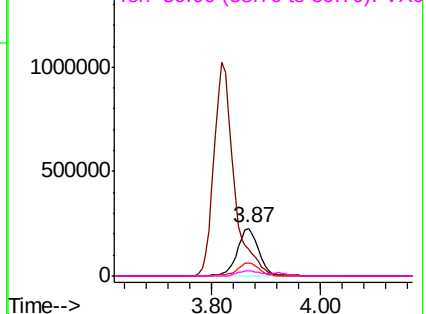
43 57.7 45.3 67.9

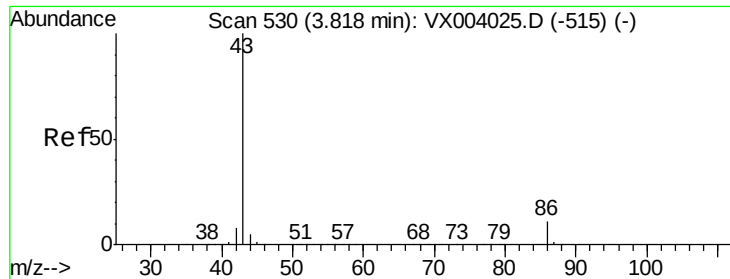
87 27.5 22.7 34.1

59 11.9 9.6 14.4



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





#23

Vinyl Acetate

Concen: 238.37 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

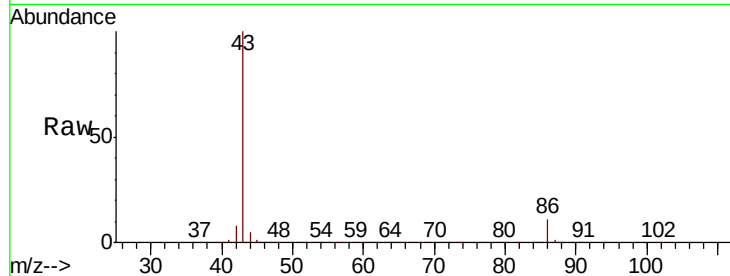
VSTDCCC050

Tot Ion: 43 Resp: 2626807

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1200000

1000000

800000

600000

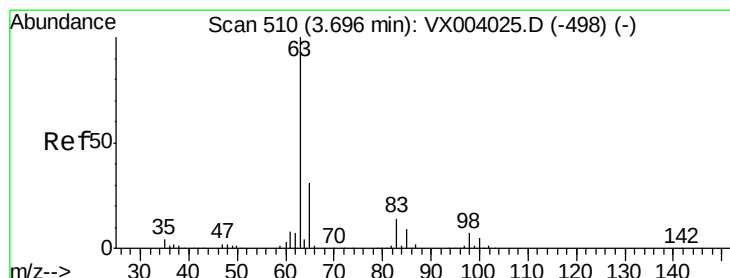
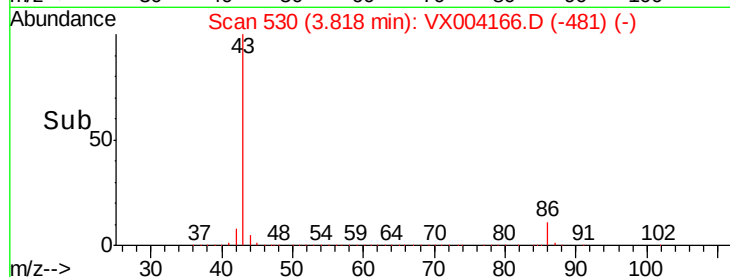
400000

200000

0

3.82

Time-->



#24

1,1-Dichloroethane

Concen: 46.86 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

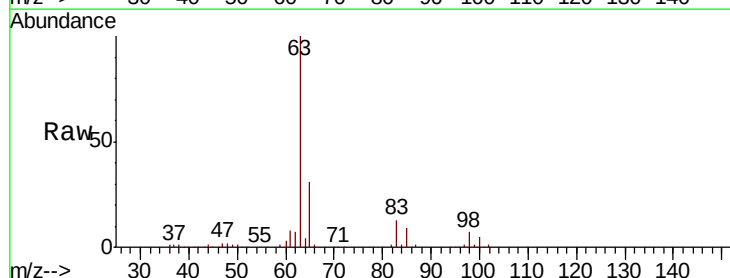
Tgt Ion: 63 Resp: 356144

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

200000

150000

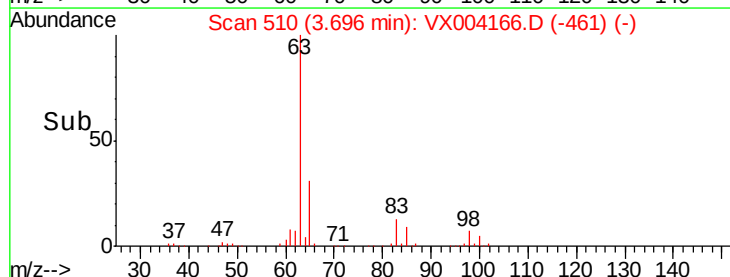
100000

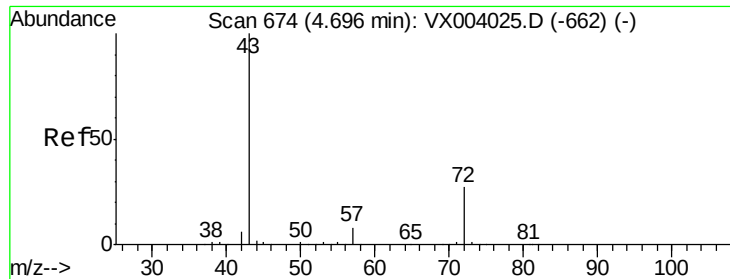
50000

0

3.70

Time-->





#25

2-Butanone

Concen: 219.72 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

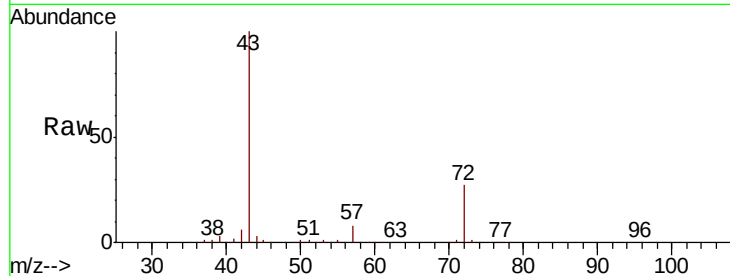
VSTDCCC050

Tot Ion: 43 Resp: 895849

Ion Ratio Lower Upper

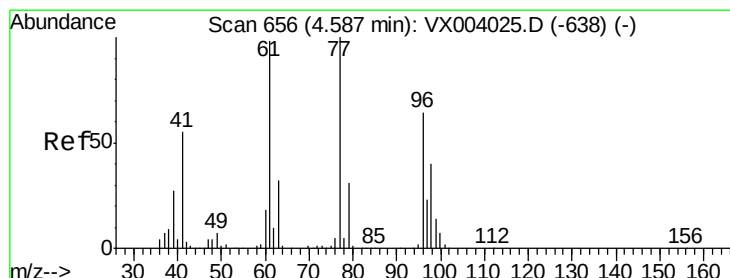
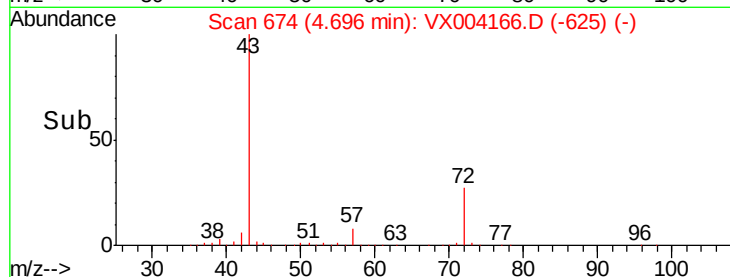
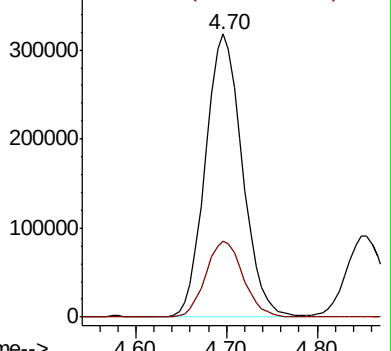
43 100

72 27.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.07 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004166.D

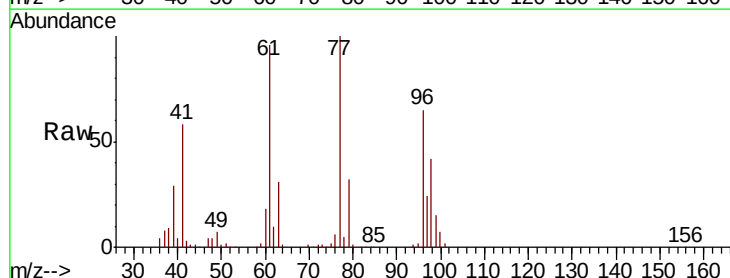
Acq: 21 Aug 2018 10:20

Tgt Ion: 77 Resp: 290429

Ion Ratio Lower Upper

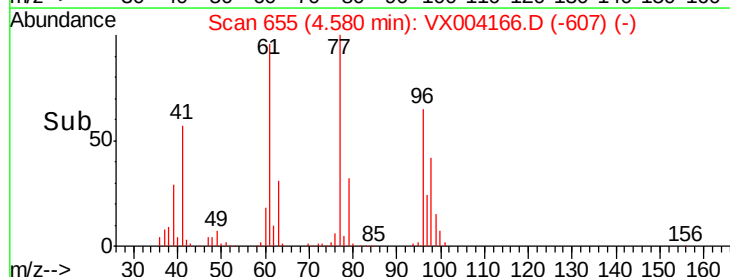
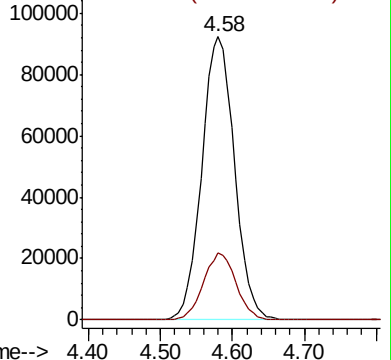
77 100

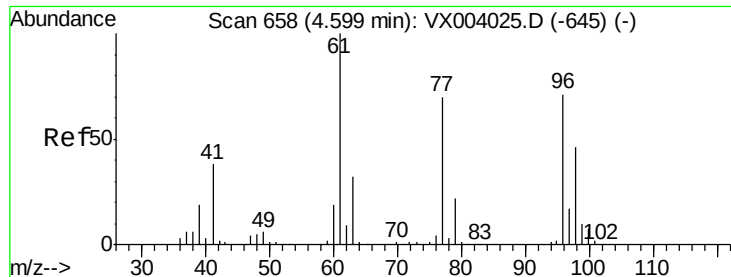
97 23.5 11.9 35.9



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: 47.40 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

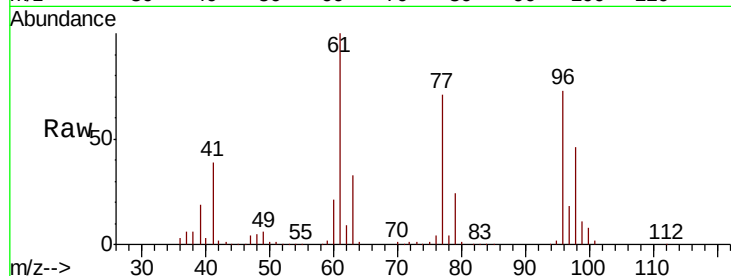
Tot Ion: 96 Resp: 217817

Ion Ratio Lower Upper

96 100

61 141.9 0.0 293.0

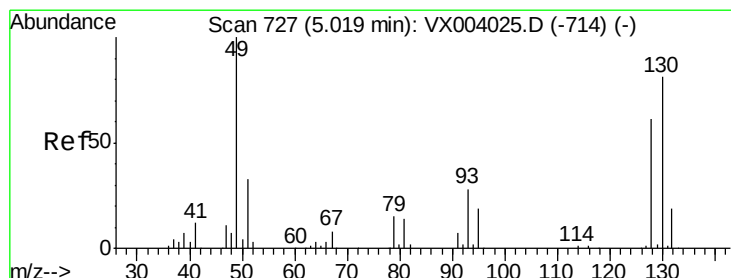
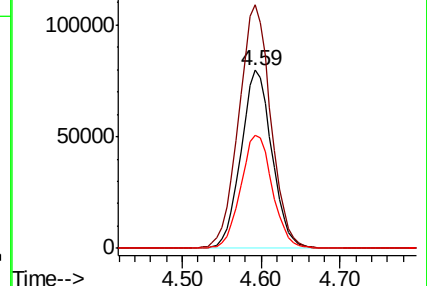
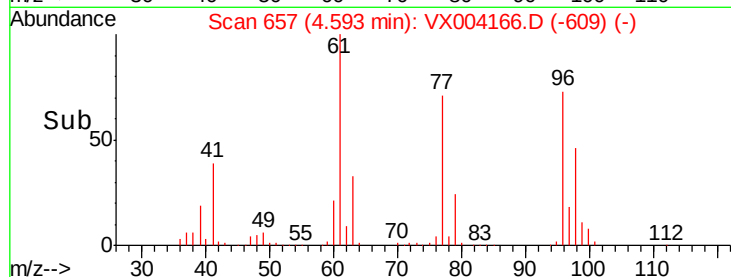
98 64.8 0.0 131.8



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: 49.89 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

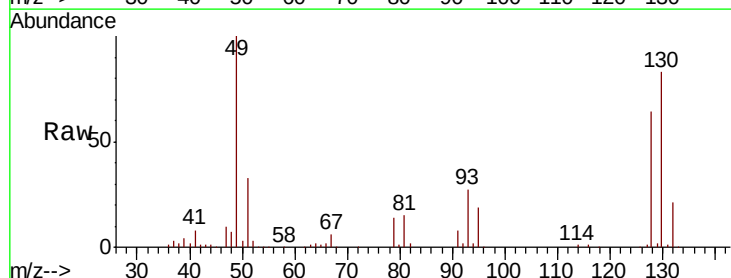
Tgt Ion: 49 Resp: 173963

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

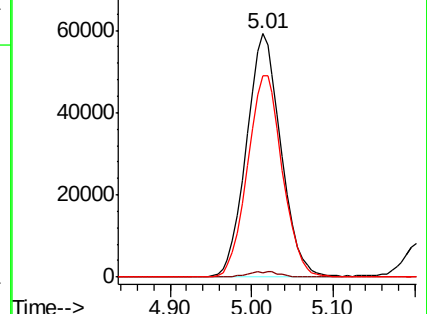
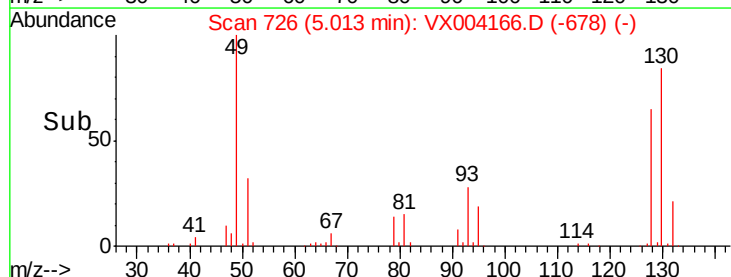
130 83.9 66.5 99.7

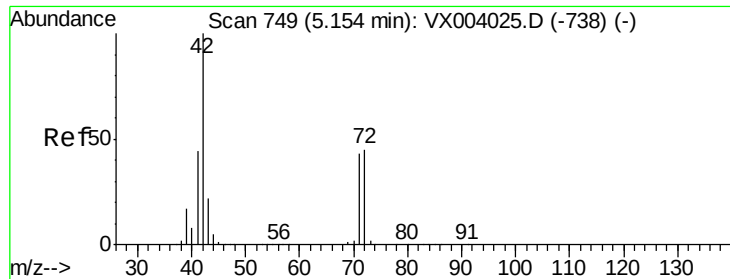


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

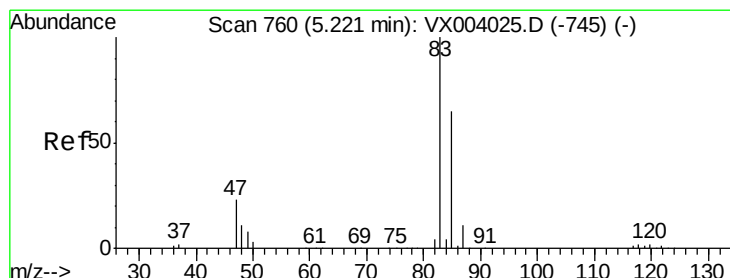
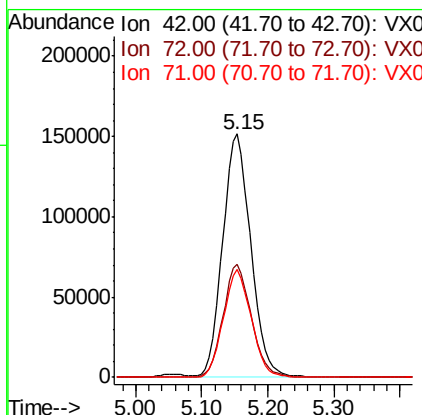
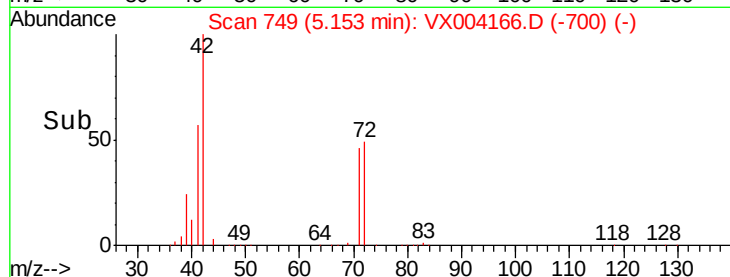
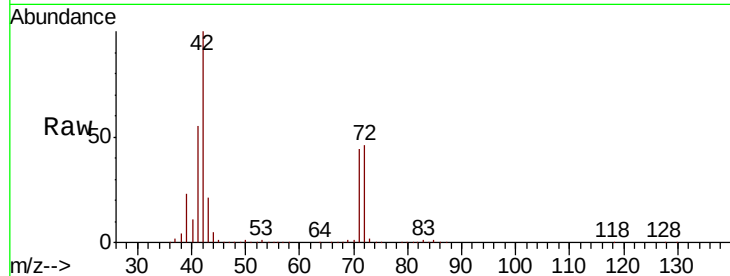




#29
Tetrahydrofuran
Concen: 213.70 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

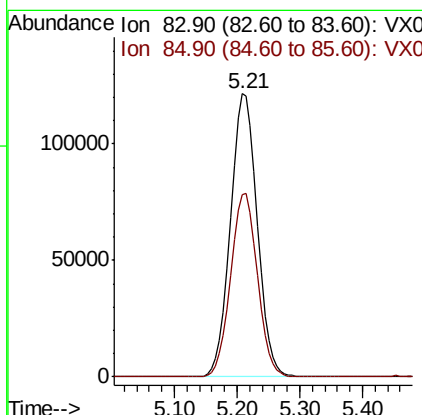
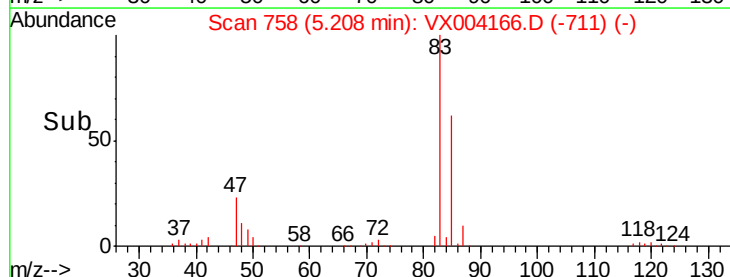
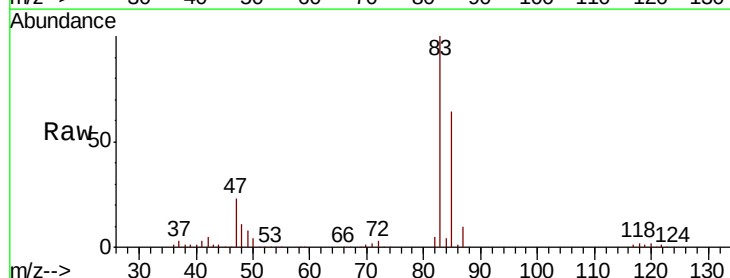
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

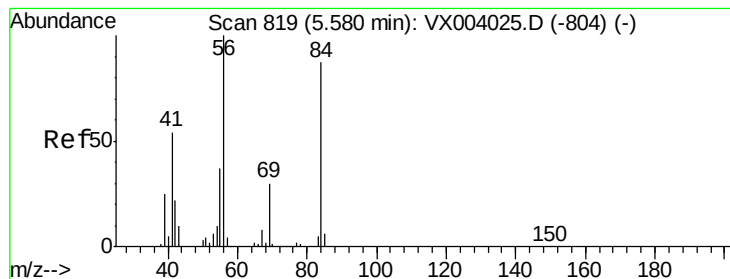
Tot Ion: 42 Resp: 445158
Ion Ratio Lower Upper
42 100
72 46.6 37.7 56.5
71 44.0 35.0 52.6



#30
Chloroform
Concen: 48.41 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 83 Resp: 359058
Ion Ratio Lower Upper
83 100
85 64.2 50.7 76.1





#31

Cyclohexane

Concen: 46.62 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

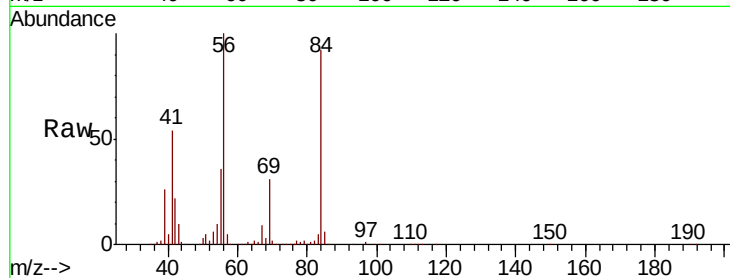
Tot Ion: 56 Resp: 310593

Ion Ratio Lower Upper

56 100

69 31.1 24.9 37.3

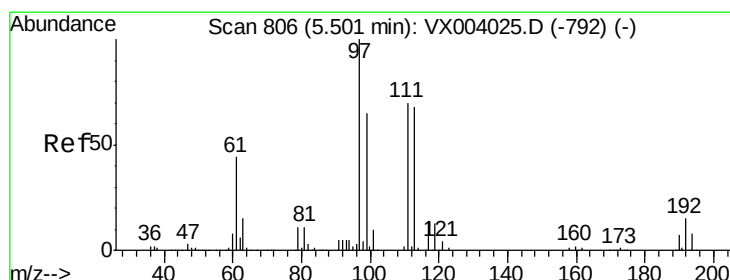
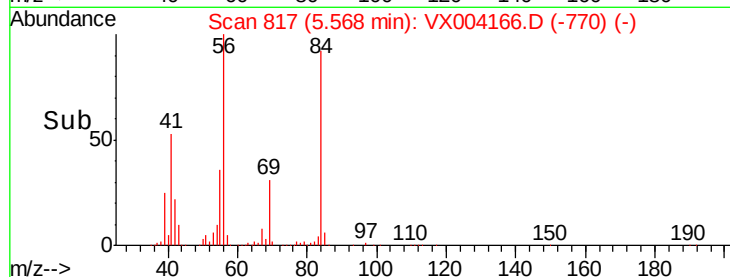
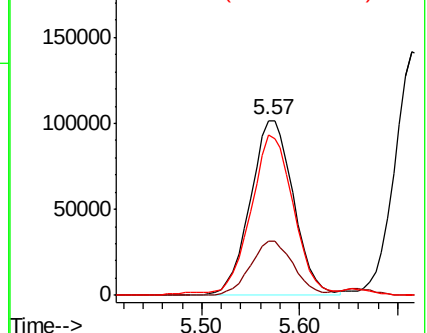
84 90.2 71.7 107.5



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: 49.21 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

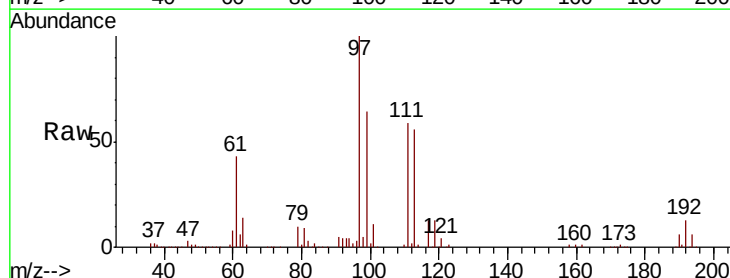
Tgt Ion: 97 Resp: 304996

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

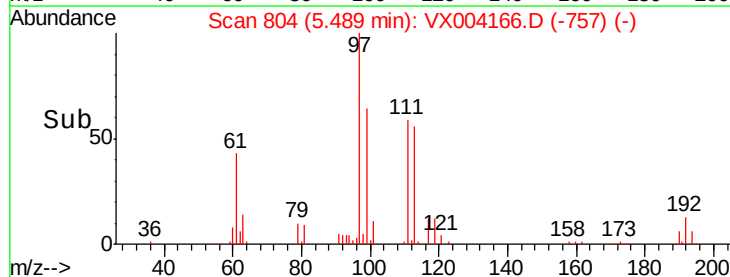
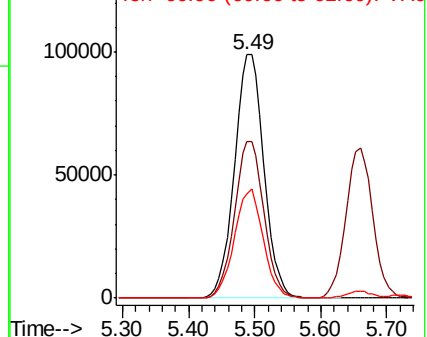
61 44.0 34.4 51.6

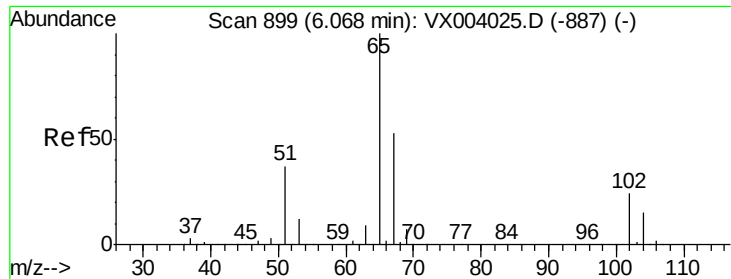


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

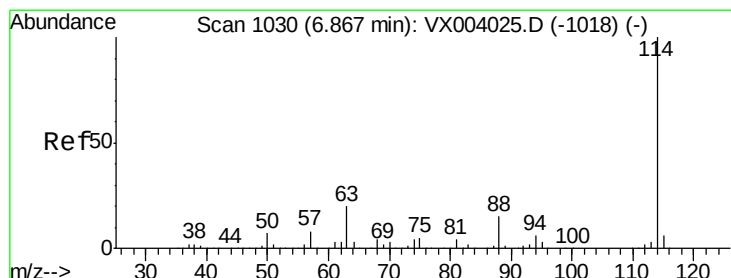
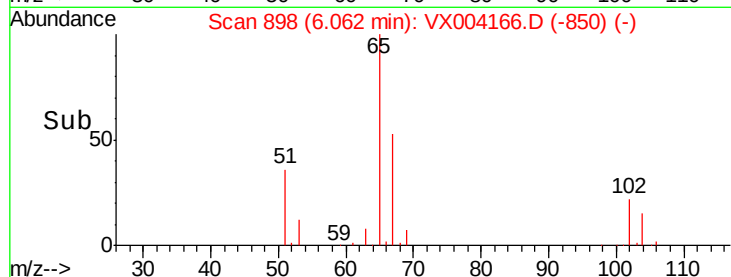
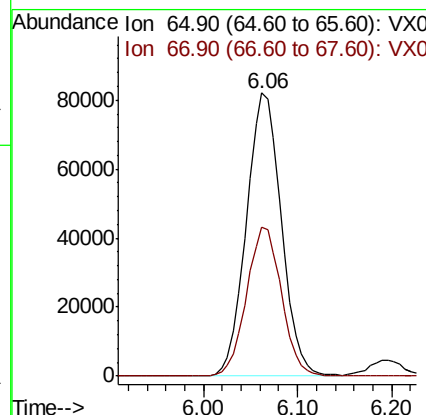
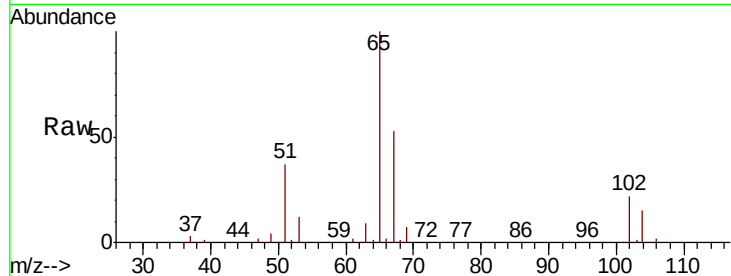




#33
 1,2-Dichloroethane-d4
 Concen: 44.10 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

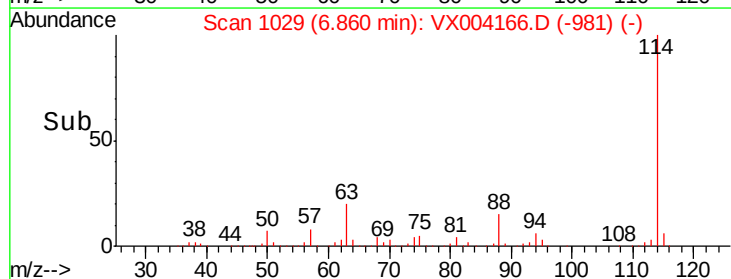
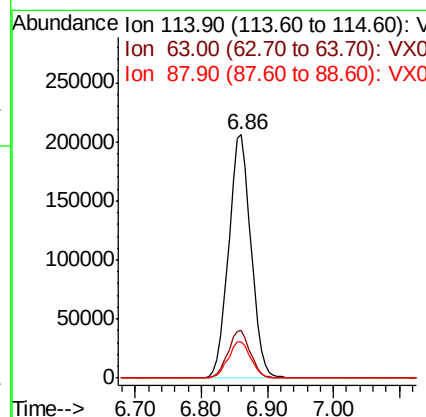
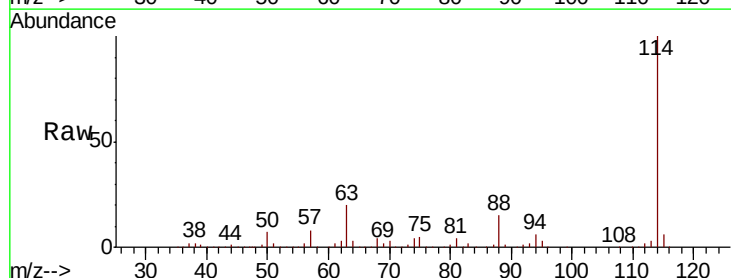
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

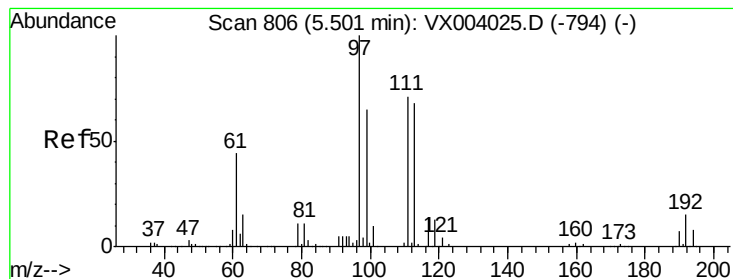
Tot Ion: 65 Resp: 212546
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 114 Resp: 481994
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.45 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

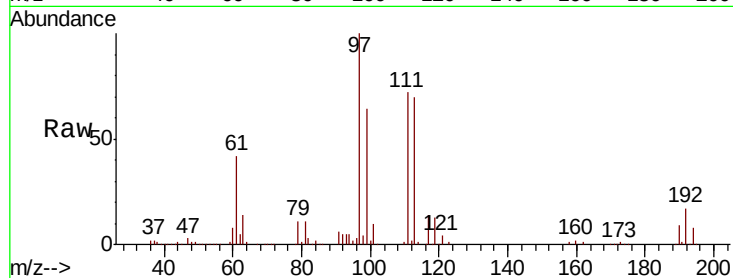
Tot Ion:113 Resp: 181977

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

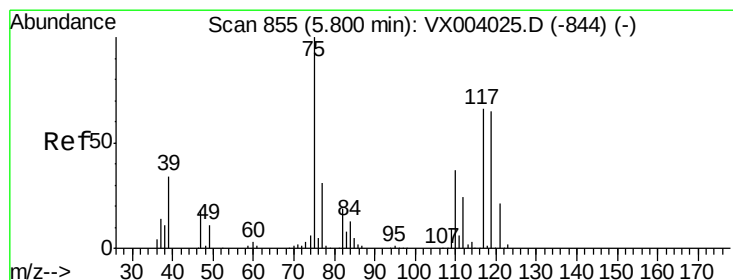
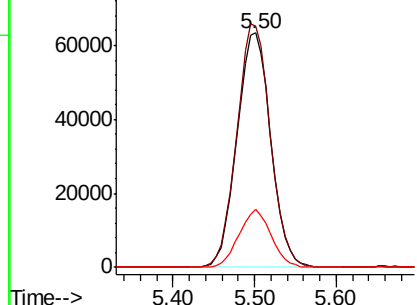
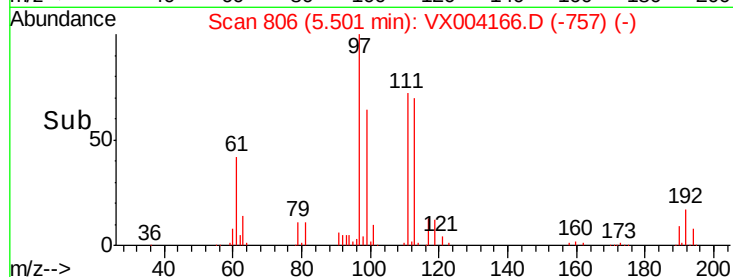
192 23.6 19.0 28.4



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: 49.81 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

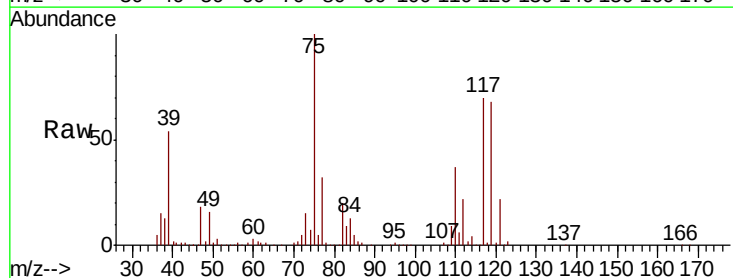
Tgt Ion: 75 Resp: 273176

Ion Ratio Lower Upper

75 100

110 36.9 18.2 54.6

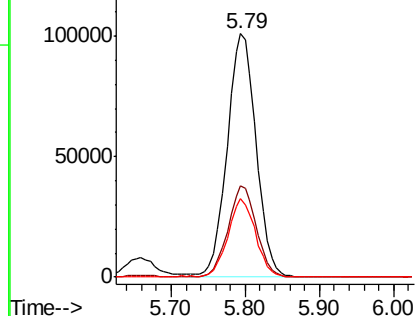
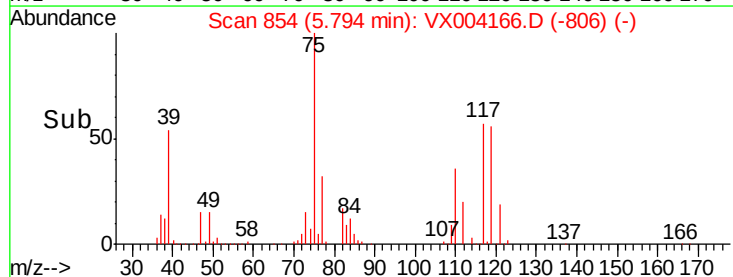
77 31.1 25.0 37.4

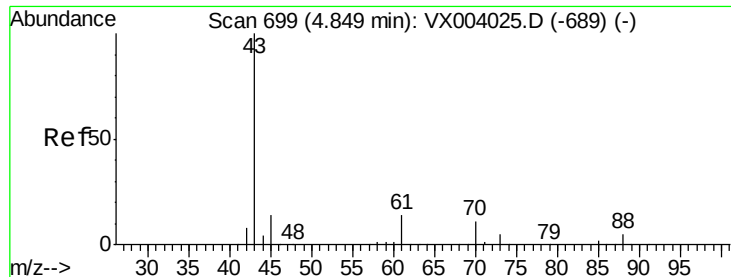


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 44.83 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

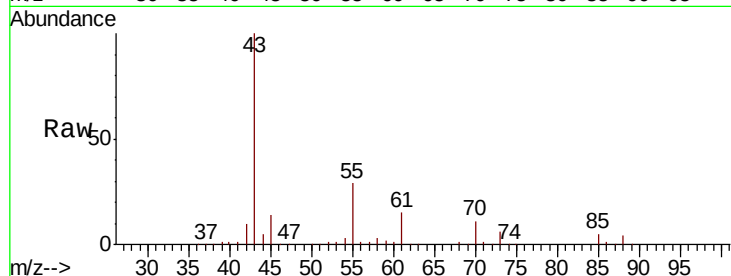
Tot Ion: 43 Resp: 267785

Ion Ratio Lower Upper

43 100

61 14.2 11.5 17.3

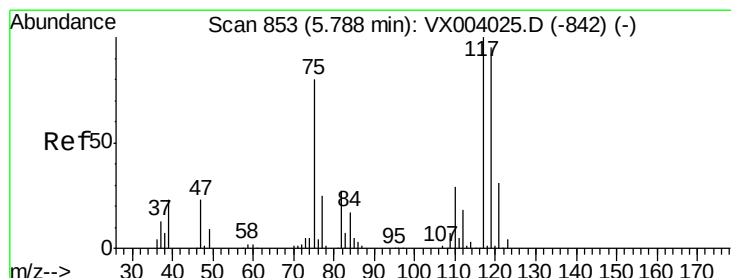
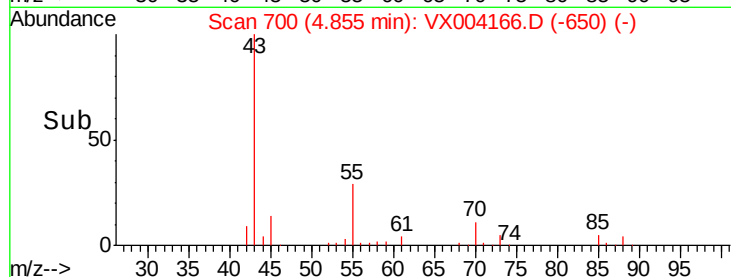
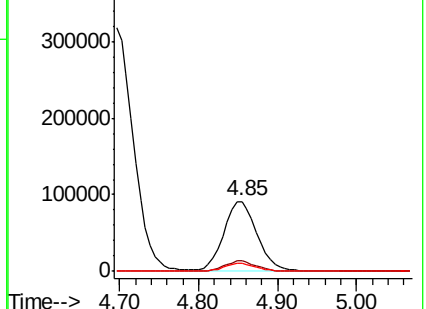
70 11.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX004025.D (-689) (-)

Ion 60.90 (60.60 to 61.60): VX004025.D (-689) (-)

Ion 70.00 (69.70 to 70.70): VX004025.D (-689) (-)



#38

Carbon Tetrachloride

Concen: 50.55 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

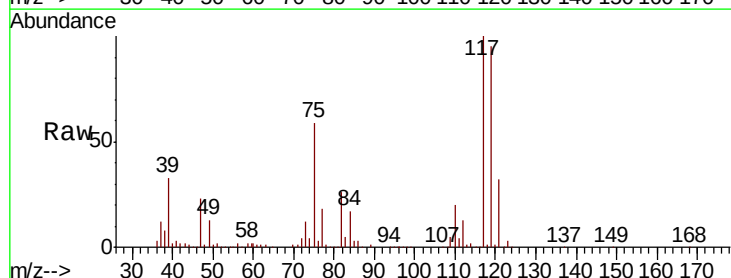
Tgt Ion: 117 Resp: 269381

Ion Ratio Lower Upper

117 100

119 94.7 79.5 119.3

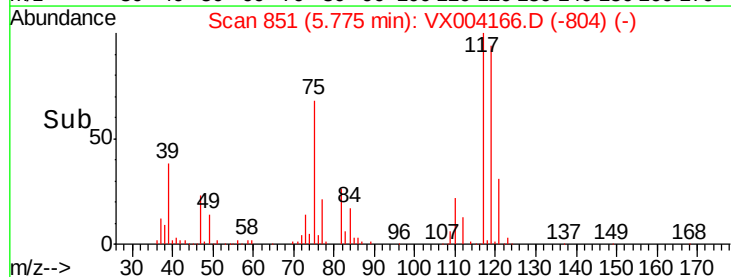
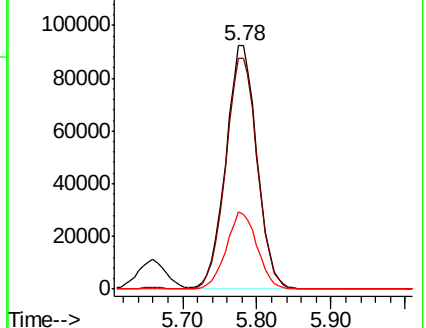
121 31.6 25.0 37.4

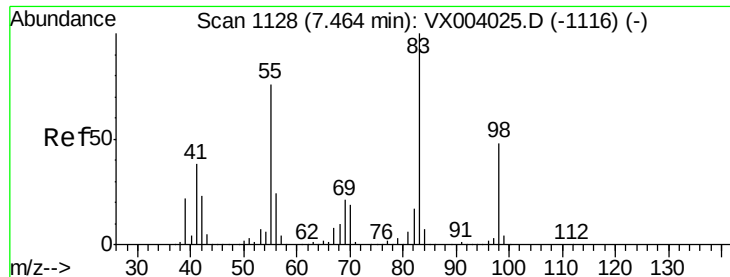


Abundance Ion 116.80 (116.50 to 117.50): VX004025.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX004025.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX004025.D (-842) (-)

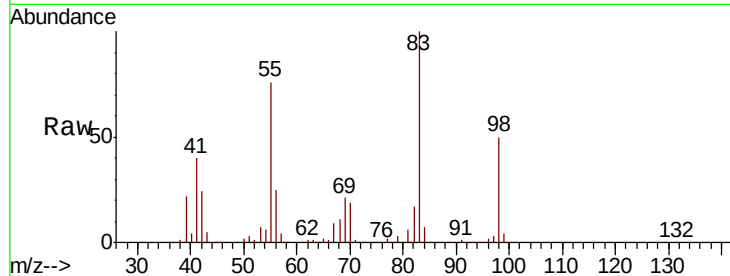




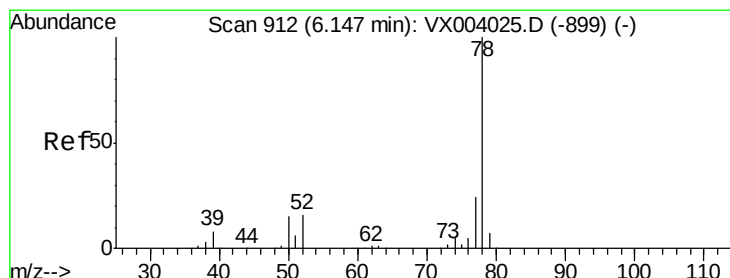
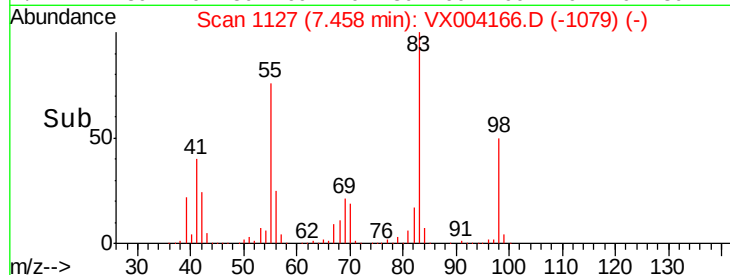
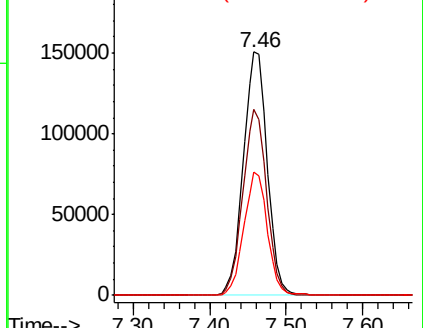
#39
Methylvlcyclohexane
Concen: 52.64 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.6
98	50.4	38.6	57.8

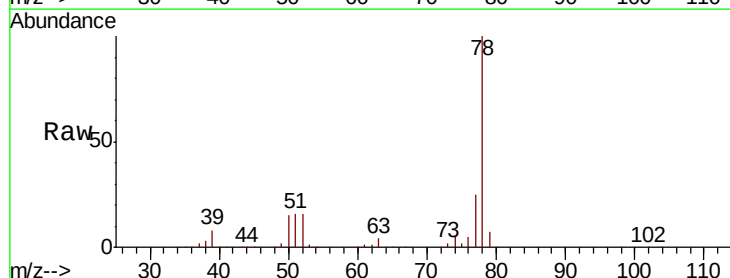


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

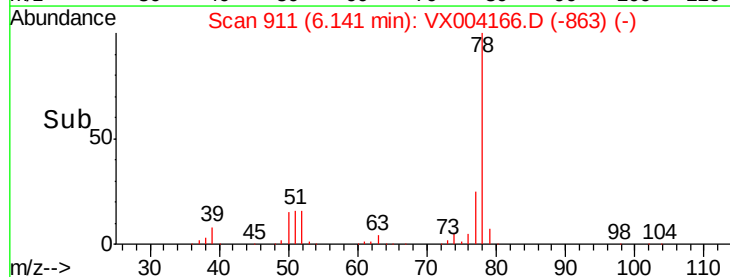
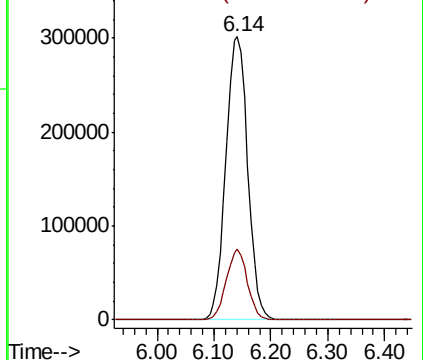


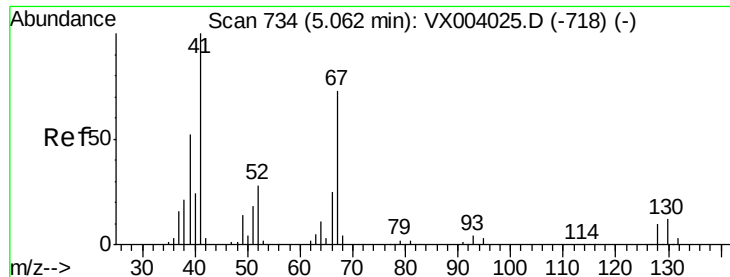
#40
Benzene
Concen: 49.21 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

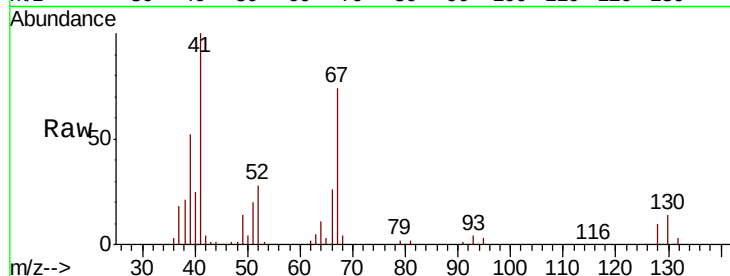




#41
Methacrylonitrile
Concen: 46.16 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	154403
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.7	64.1
67	74.0	58.9	88.3
52	28.8	22.6	33.8



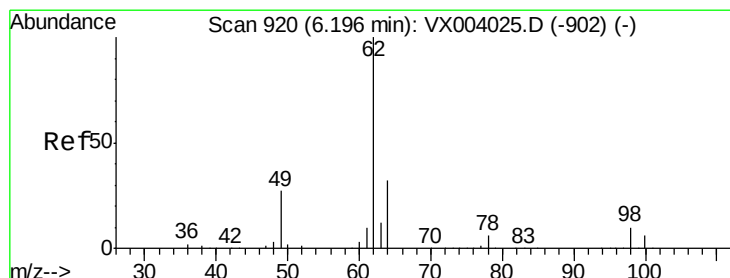
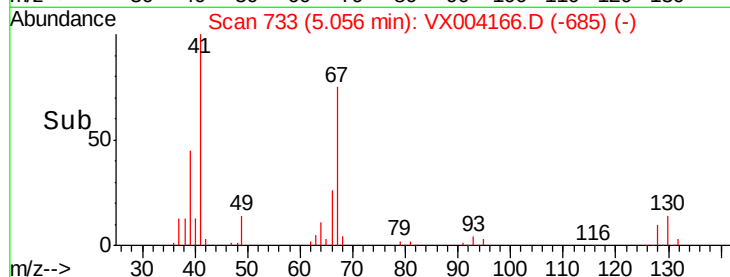
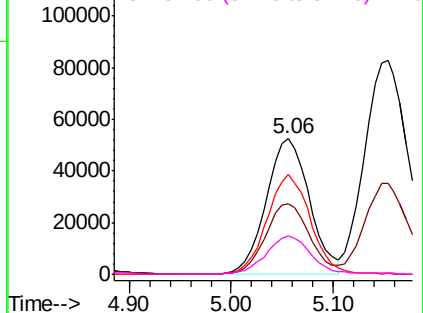
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

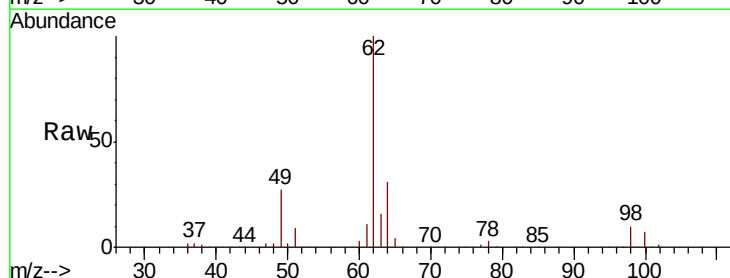
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 48.43 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

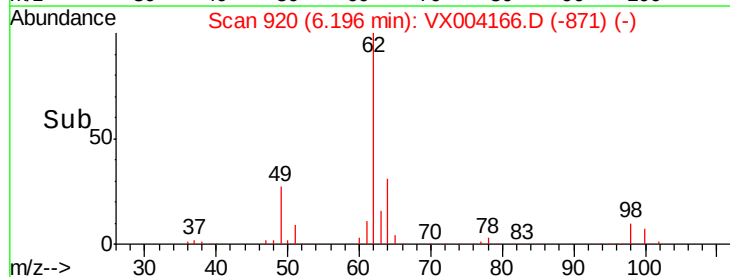
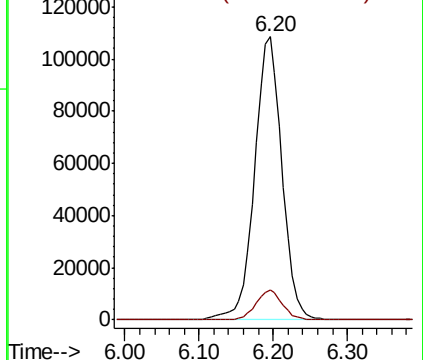
Tgt Ion:	62	Resp:	279218
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4

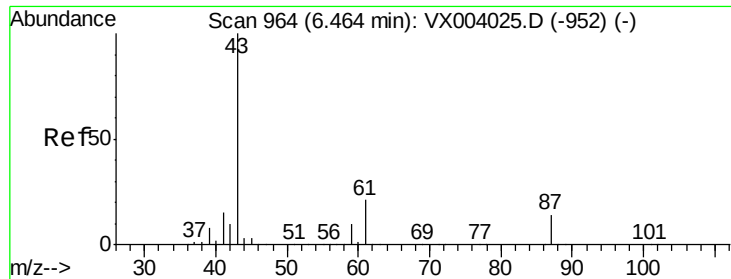


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.81 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

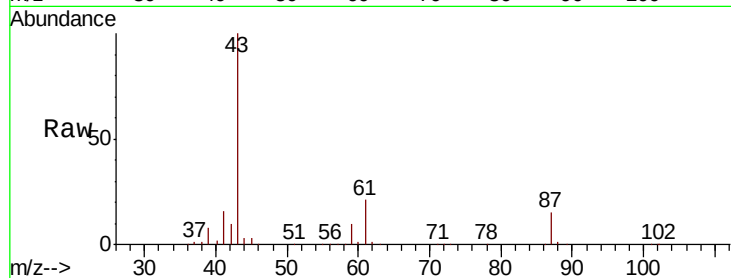
Tot Ion: 43 Resp: 412130

Ion Ratio Lower Upper

43 100

61 21.1 16.9 25.3

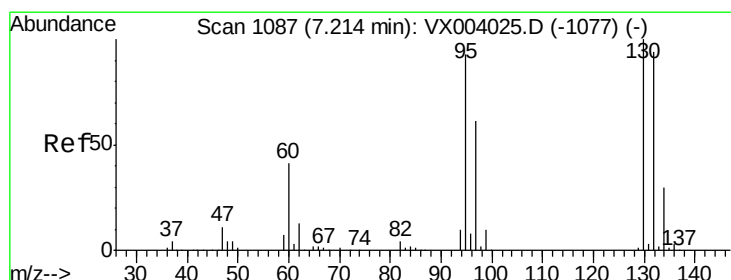
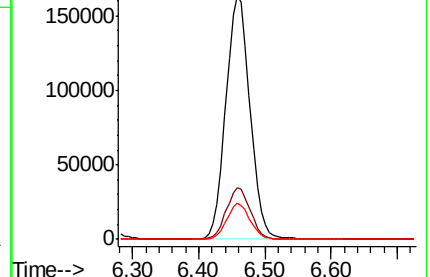
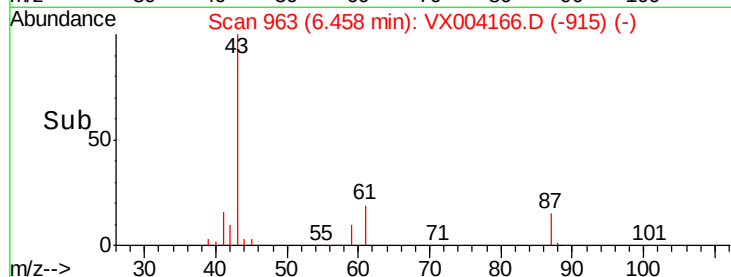
87 14.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX004025.D (-952) (-)

Ion 61.00 (60.70 to 61.70): VX004025.D (-952) (-)

Ion 87.00 (86.70 to 87.70): VX004025.D (-952) (-)



#44

Trichloroethene

Concen: 49.83 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004166.D

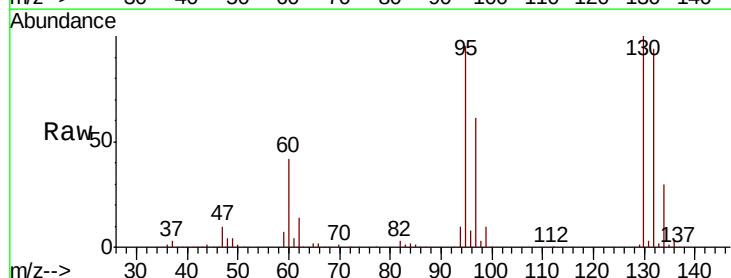
Acq: 21 Aug 2018 10:20

Tgt Ion:130 Resp: 222779

Ion Ratio Lower Upper

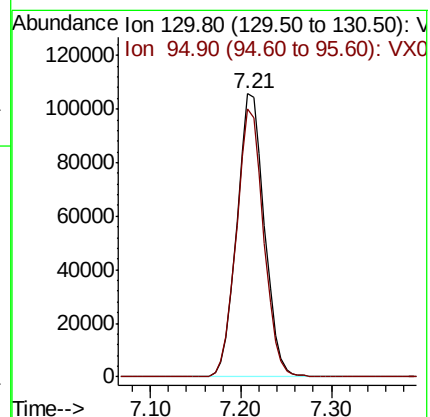
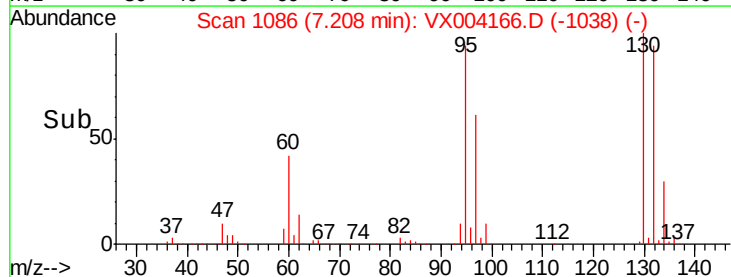
130 100

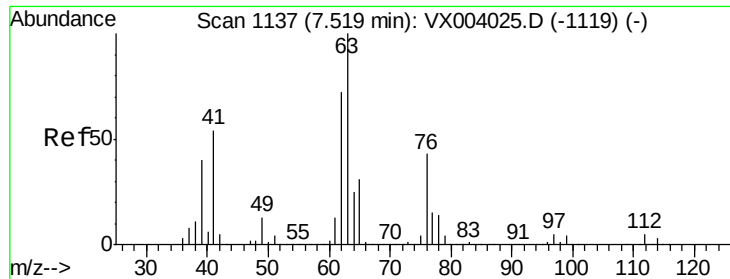
95 94.6 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VX004025.D (-1077) (-)

Ion 94.90 (94.60 to 95.60): VX004025.D (-1077) (-)

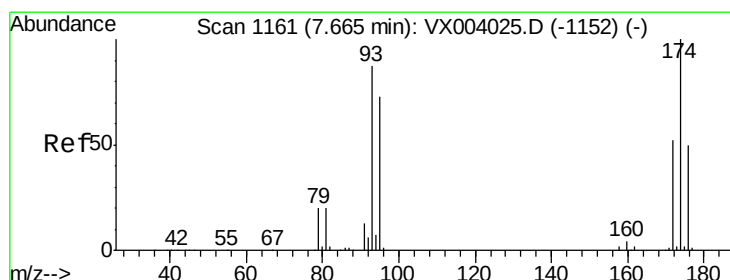
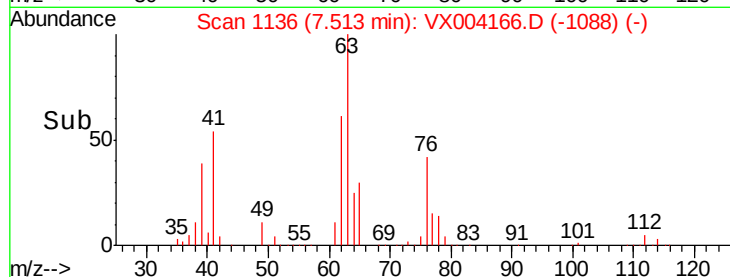
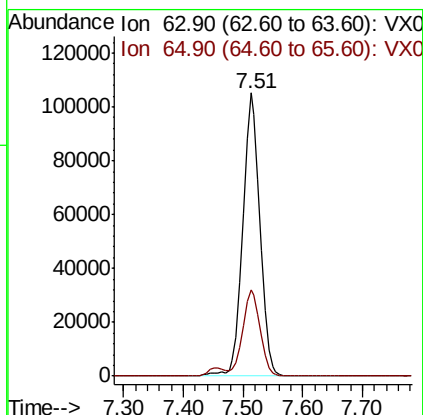
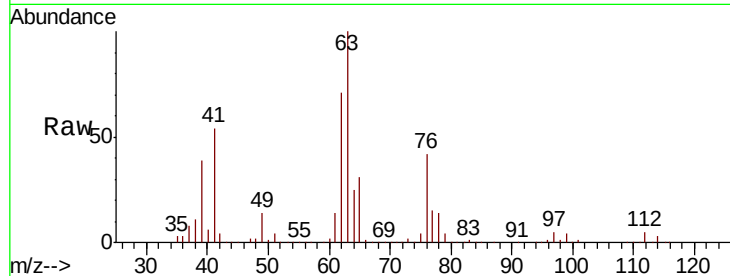




#45
 1,2-Dichloropropane
 Concen: 50.27 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

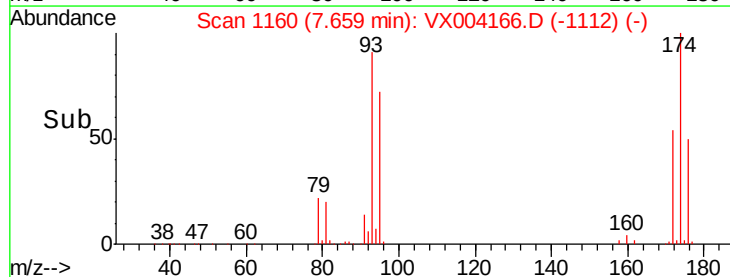
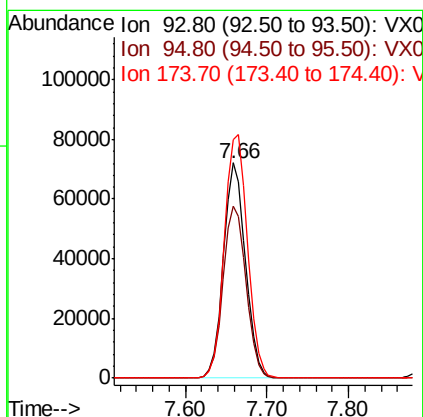
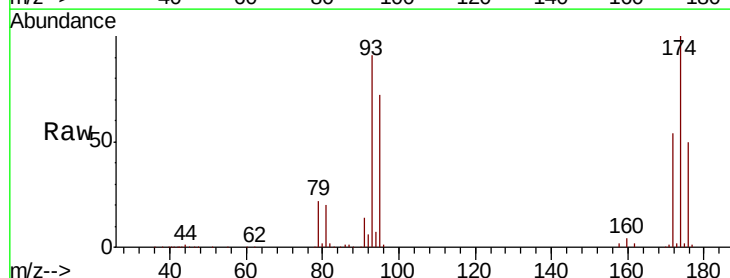
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

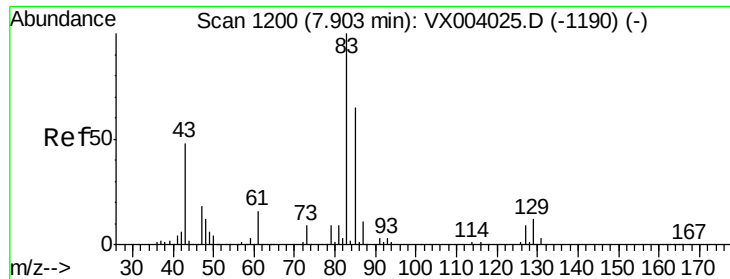
Tot Ion: 63 Resp: 211924
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8



#46
 Dibromomethane
 Concen: 48.75 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 93 Resp: 134322
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.4 99.6
 174 118.6 94.3 141.5





#47

Bromodichloromethane

Concen: 51.83 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

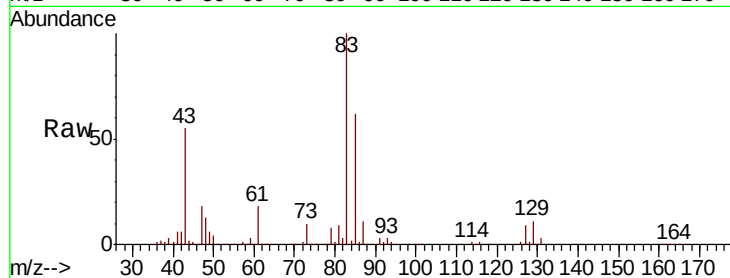
Tot Ion: 83 Resp: 270448

Ion Ratio Lower Upper

83 100

85 62.2 51.2 76.8

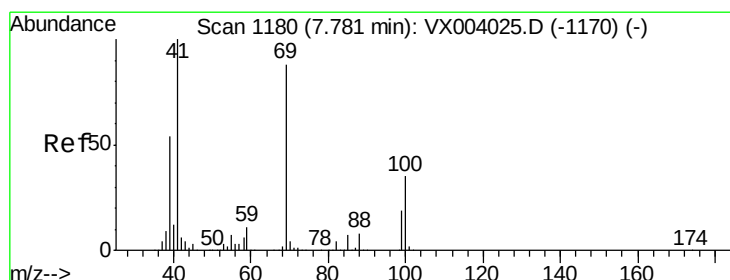
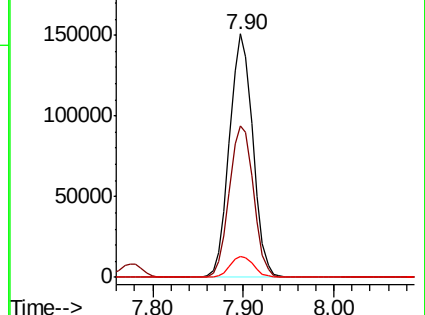
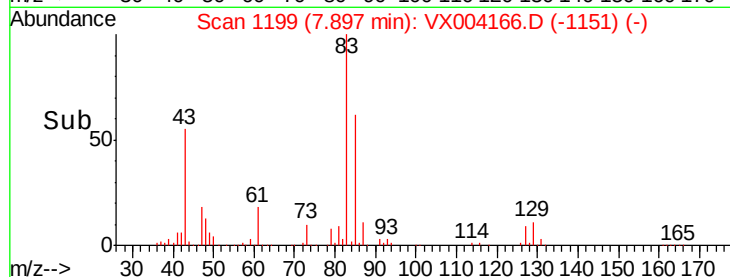
127 8.7 7.2 10.8



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: 50.26 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

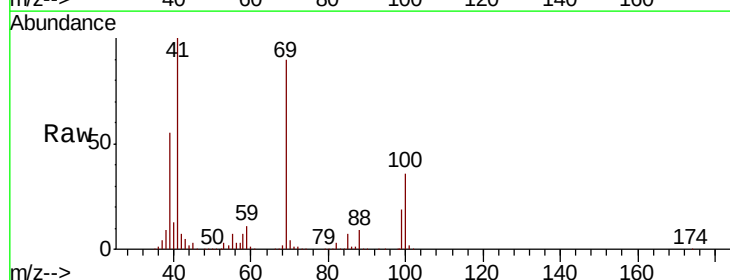
Tgt Ion: 41 Resp: 222756

Ion Ratio Lower Upper

41 100

69 88.7 68.8 103.2

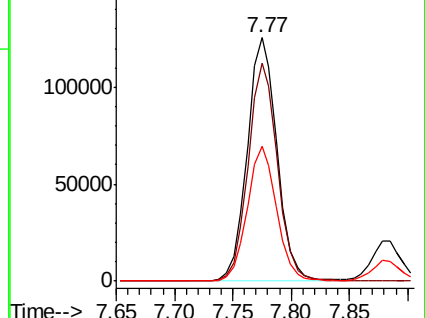
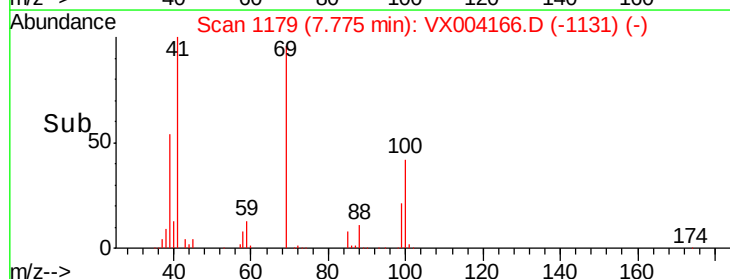
39 54.6 42.3 63.5

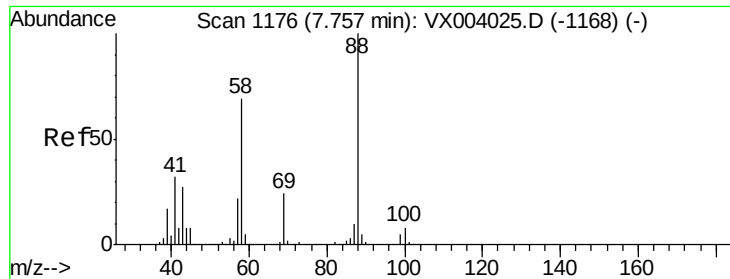


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

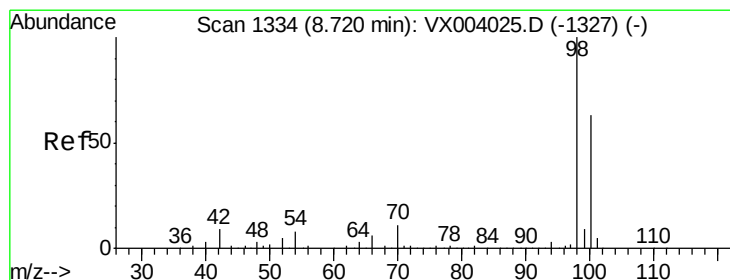
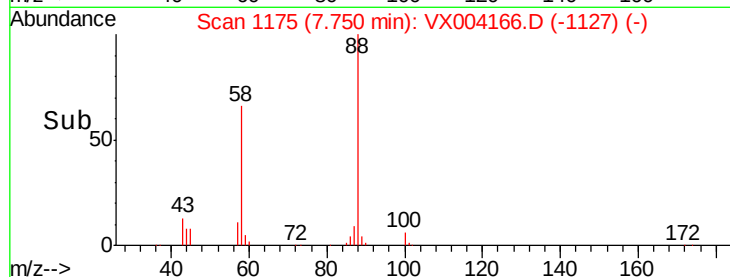
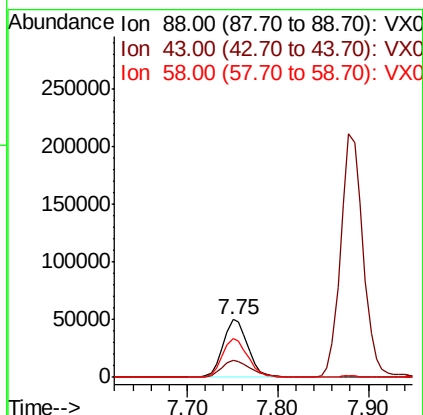
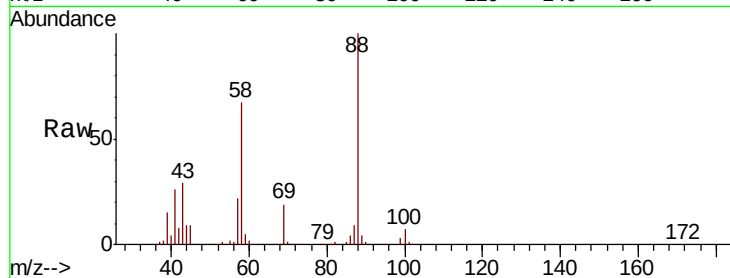




#49
 1,4-Dioxane
 Concen: 956.40 ug/l
 RT: 7.75 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

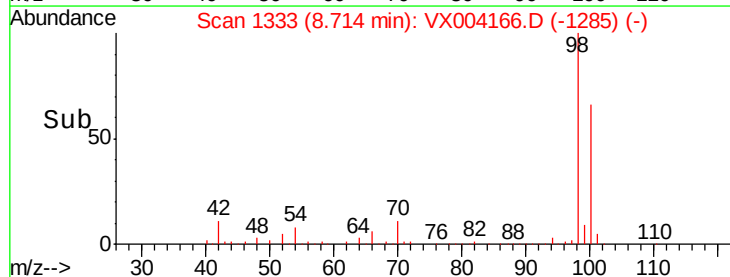
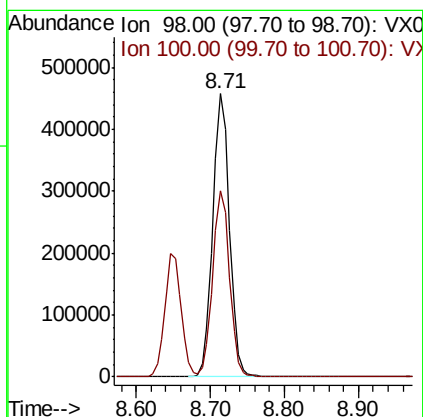
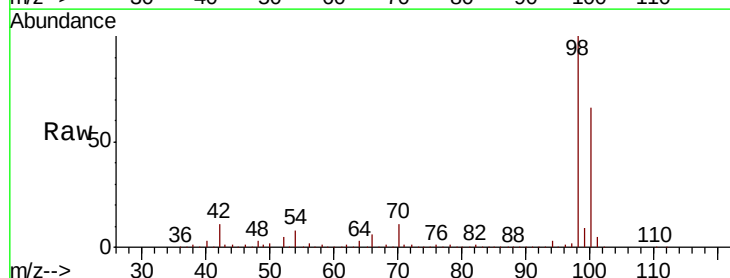
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

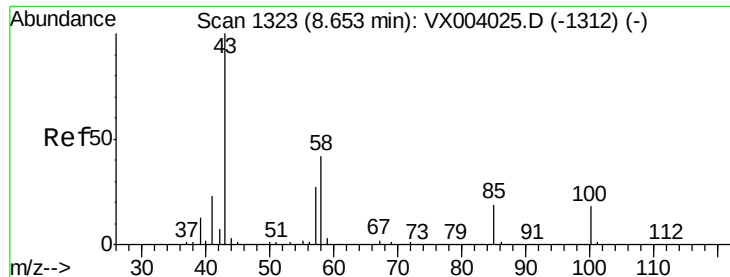
Tot Ion: 88 Resp: 95428
 Ion Ratio Lower Upper
 88 100
 43 34.0 23.8 35.8
 58 69.6 55.4 83.0



#50
 Toluene-d8
 Concen: 47.90 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 98 Resp: 700544
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.3 79.9

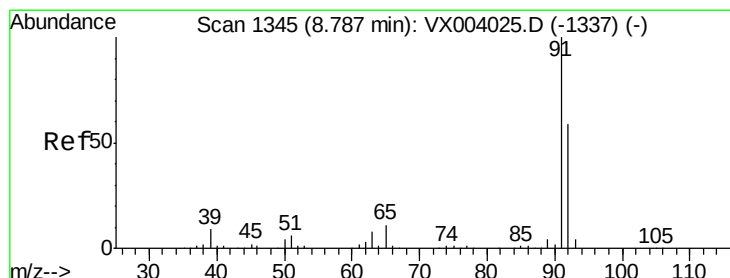
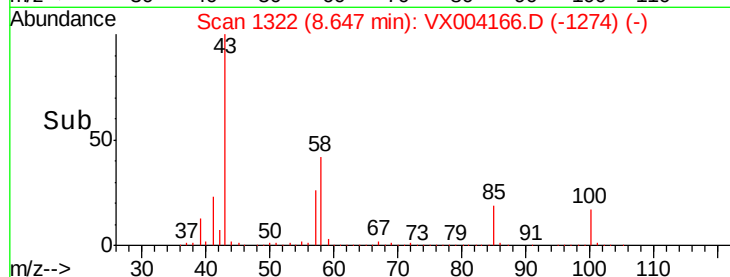
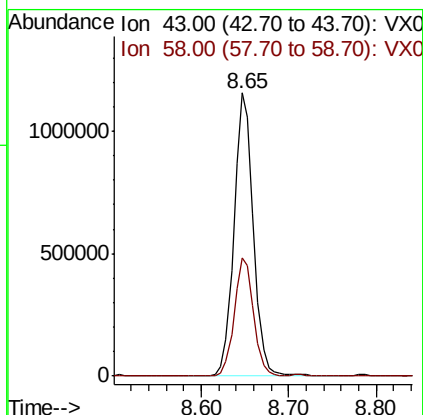
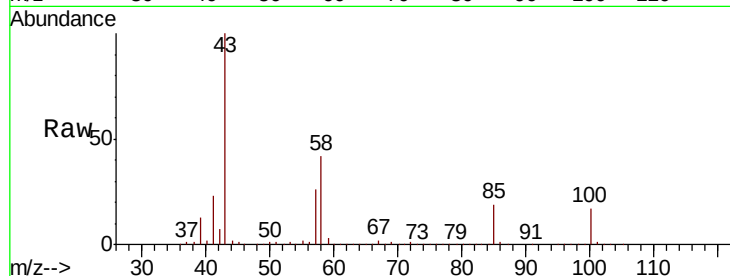




#51
4-Methyl-2-Pentanone
Concen: 247.65 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

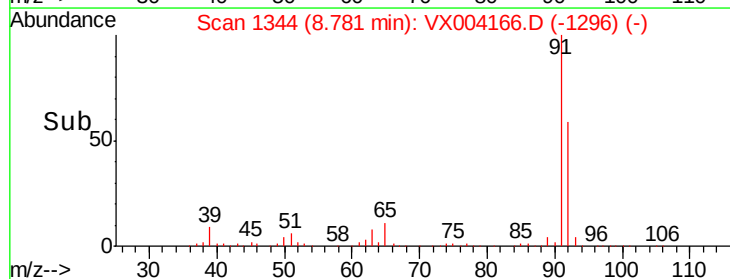
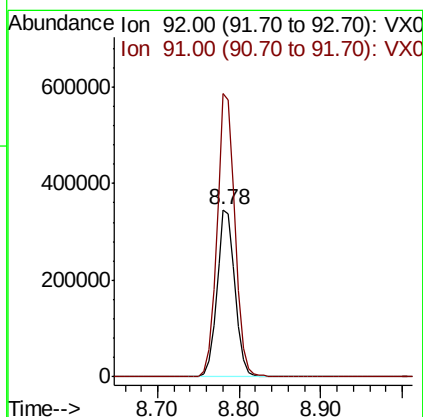
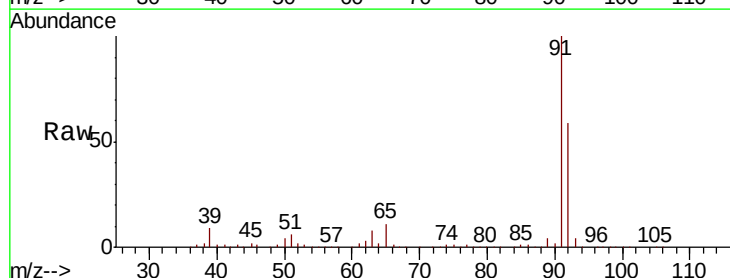
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

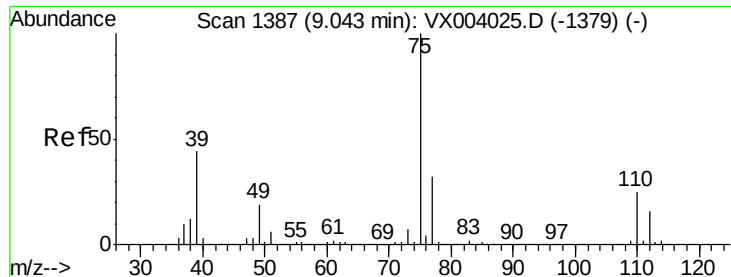
Tot Ion: 43 Resp: 1787729
Ion Ratio Lower Upper
43 100
58 41.5 33.0 49.6



#52
Toluene
Concen: 51.20 ug/l
RT: 8.78 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 92 Resp: 533246
Ion Ratio Lower Upper
92 100
91 169.9 136.1 204.1

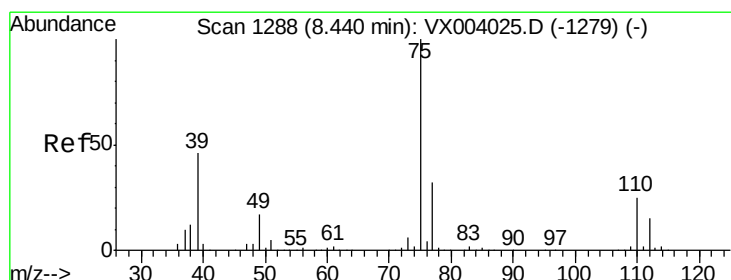
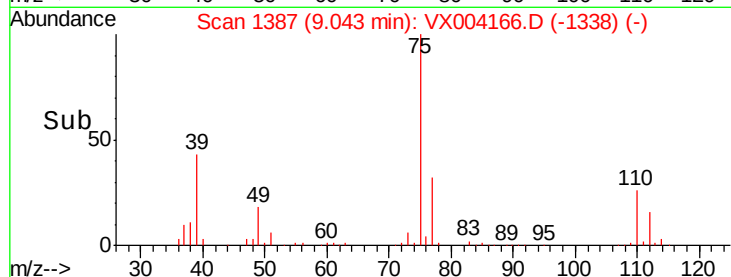
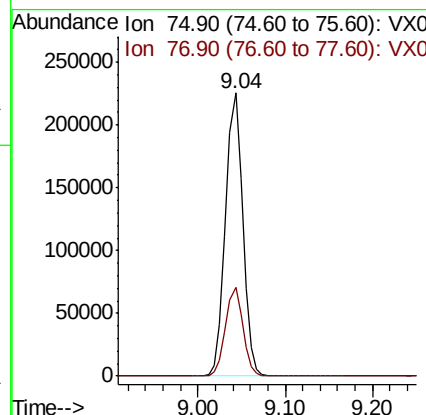
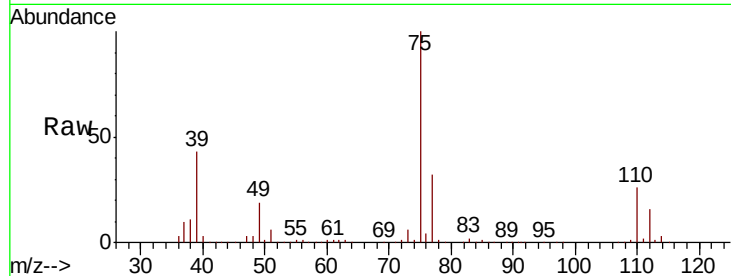




#53
 t-1,3-Dichloropropene
 Concen: 54.84 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

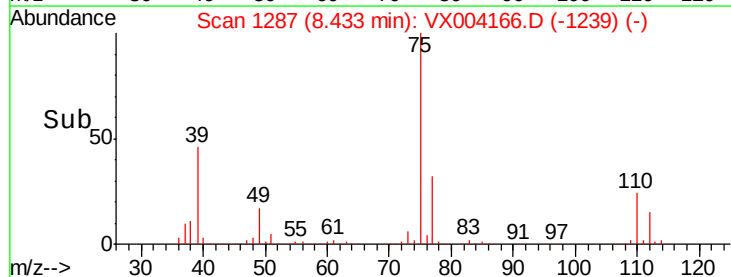
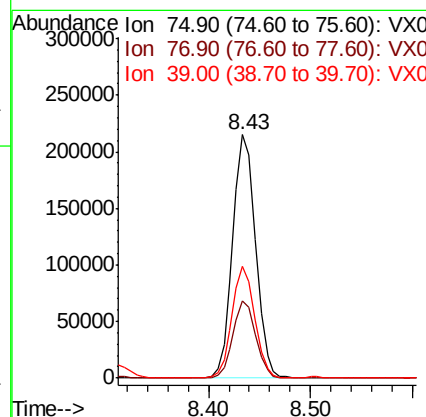
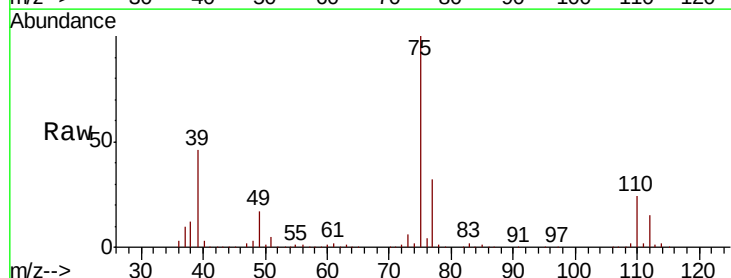
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

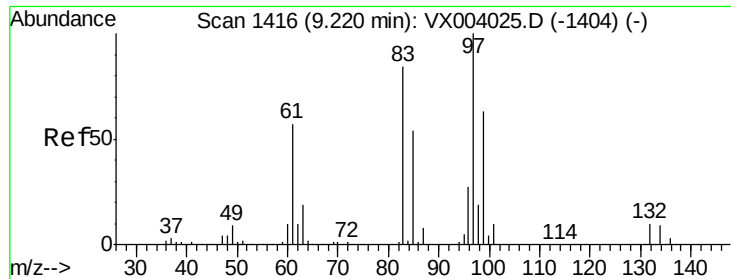
Tot Ion: 75 Resp: 309138
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 53.54 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 75 Resp: 334256
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.3 37.9
 39 46.0 36.2 54.2

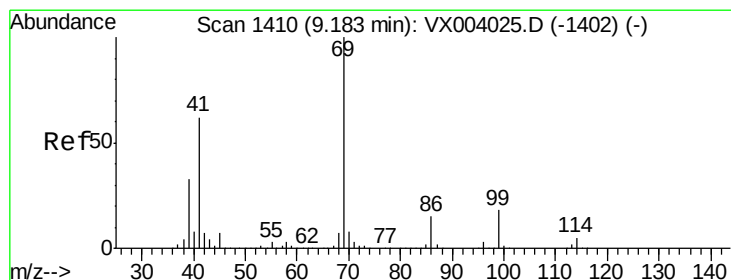
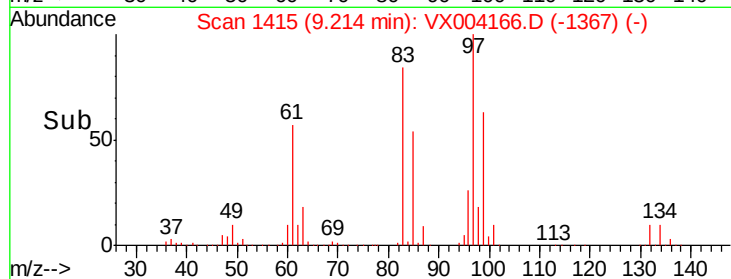
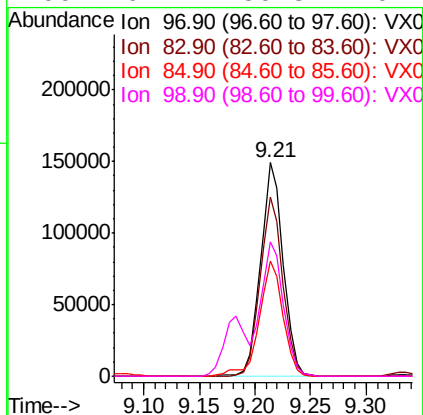
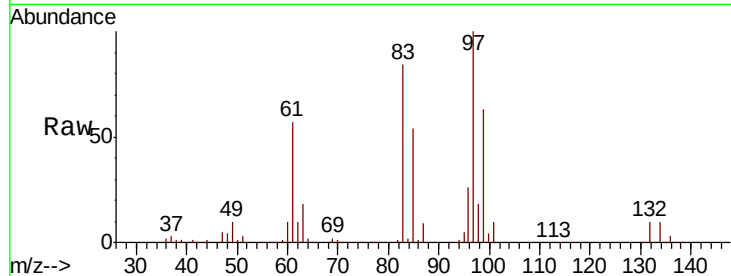




#55
 1,1,2-Trichloroethane
 Concen: 49.39 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

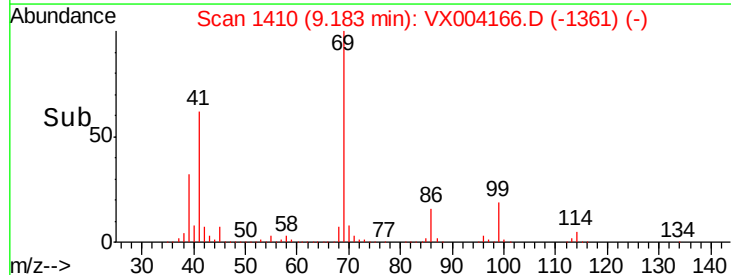
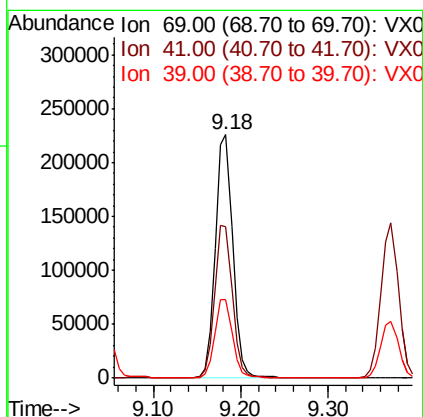
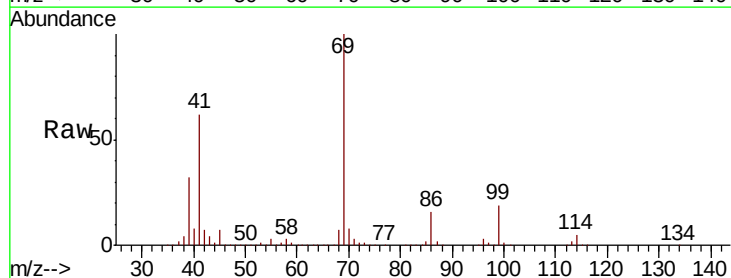
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

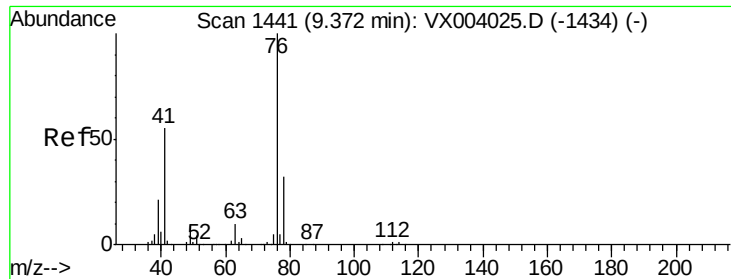
Tot Ion:	97	Resp:	212423
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.8	101.6
85	54.0	44.2	66.2
99	62.7	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 53.21 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:	69	Resp:	311251
Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.6	76.0
39	32.8	25.8	38.6

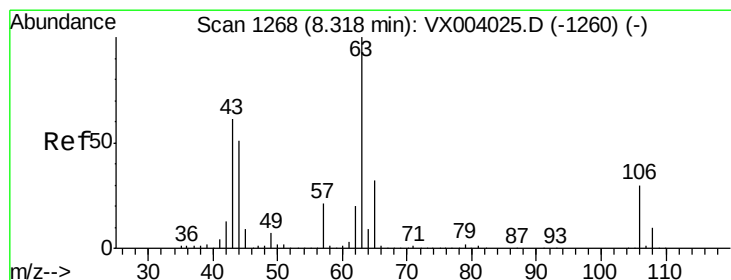
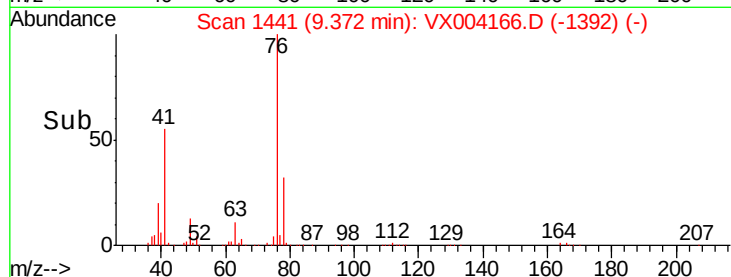
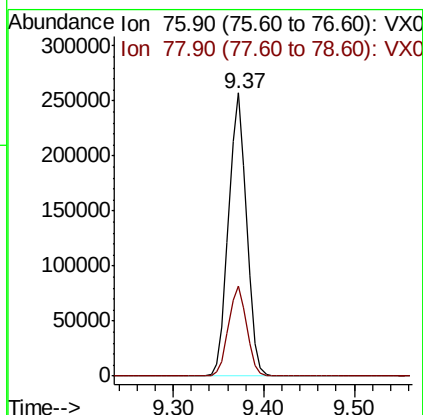
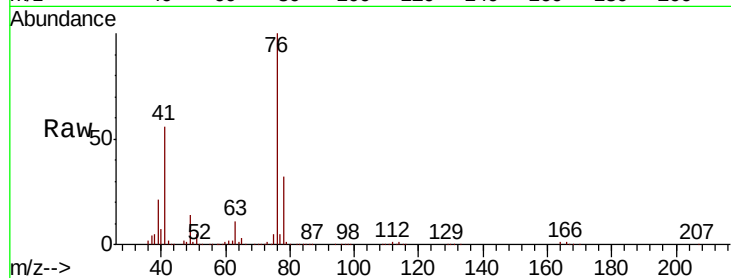




#57
 1,3-Dichloropropane
 Concen: 50.00 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

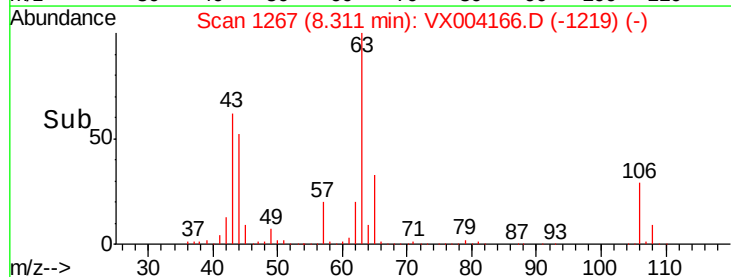
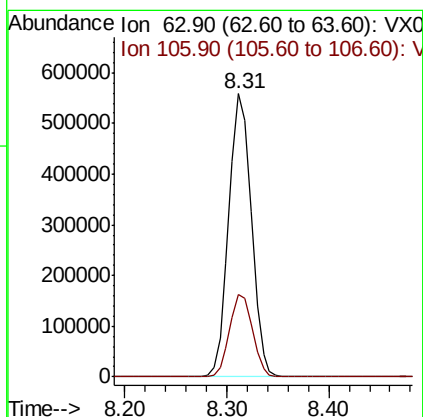
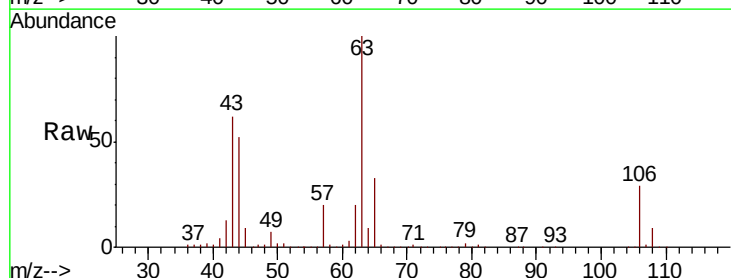
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

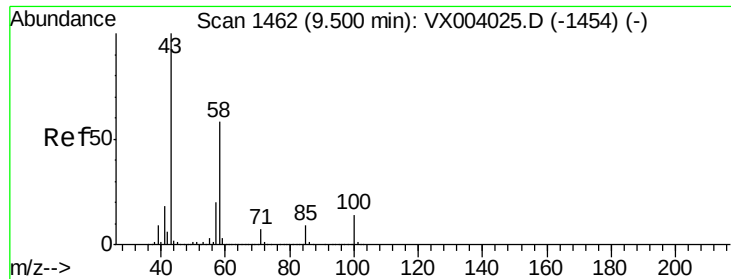
Tot Ion: 76 Resp: 356853
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.02 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 63 Resp: 854857
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

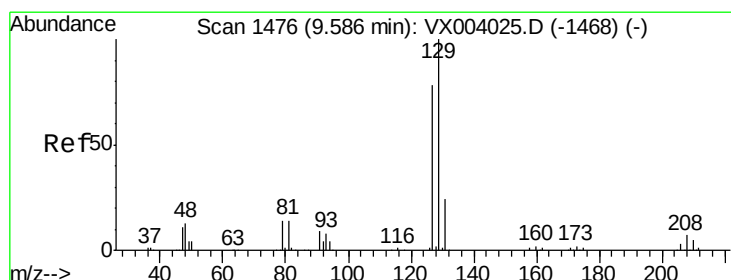
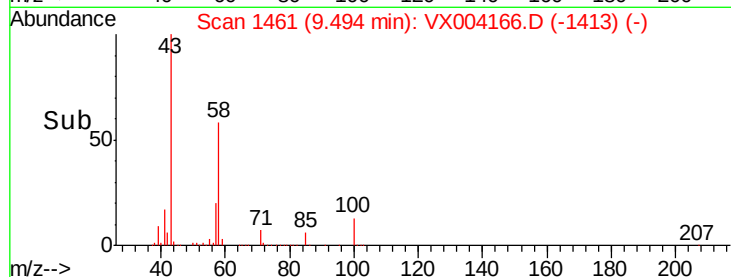
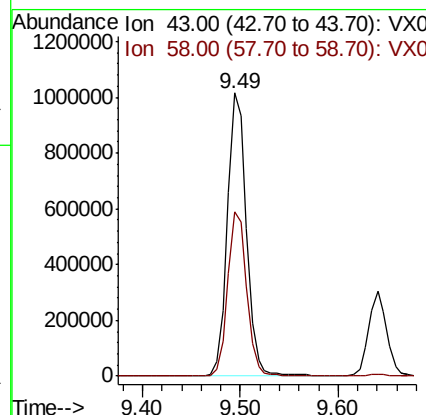
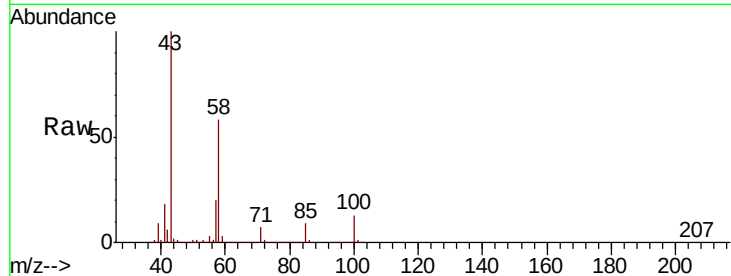




#59
2-Hexanone
Concen: 252.80 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

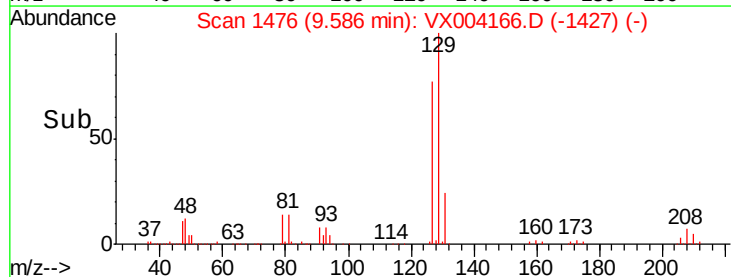
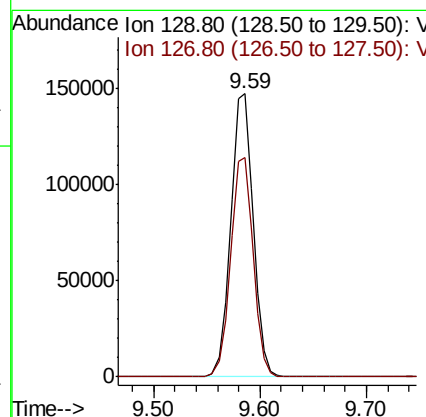
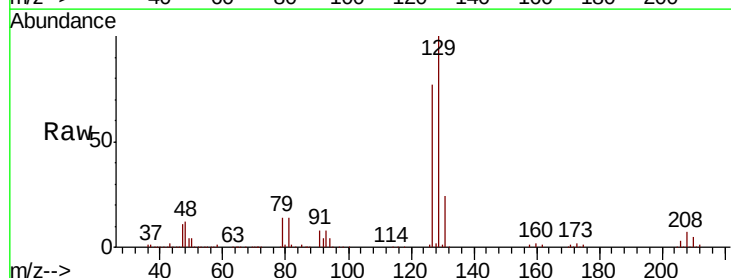
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

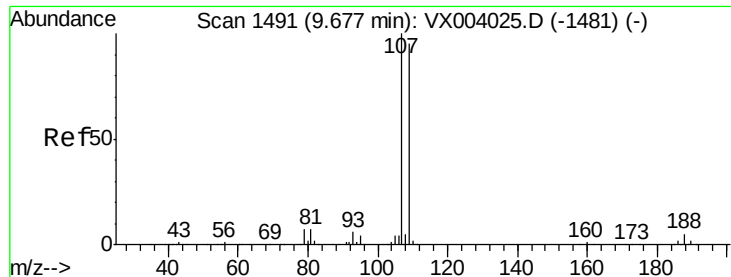
Tot Ion: 43 Resp: 1373426
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0



#60
Dibromochloromethane
Concen: 52.48 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 129 Resp: 217244
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.39 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

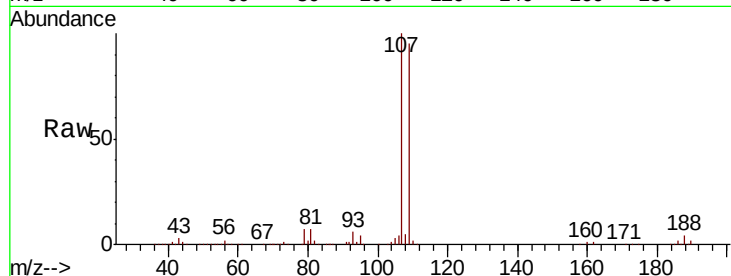
VSTDCCC050

Tot Ion:107 Resp: 220969

Ion Ratio Lower Upper

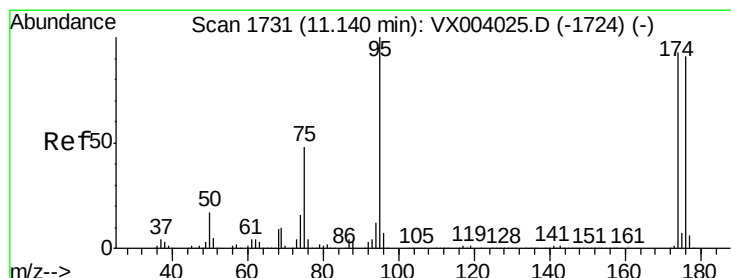
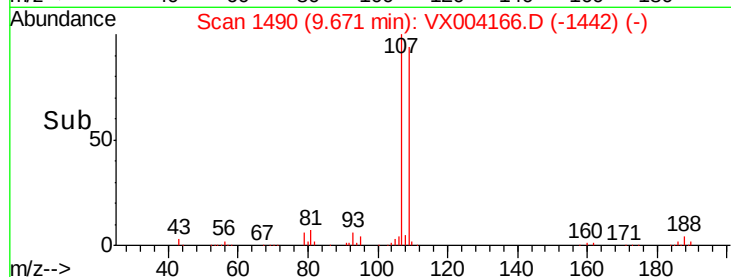
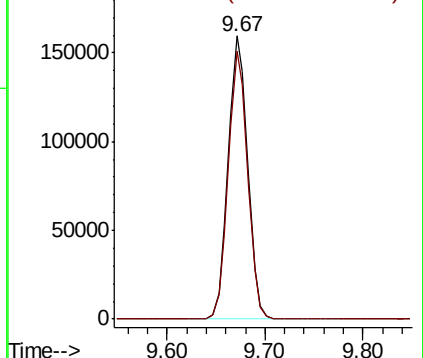
107 100

109 94.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.46 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

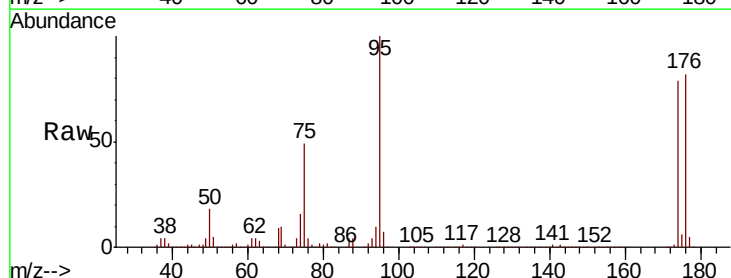
Tgt Ion: 95 Resp: 257066

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

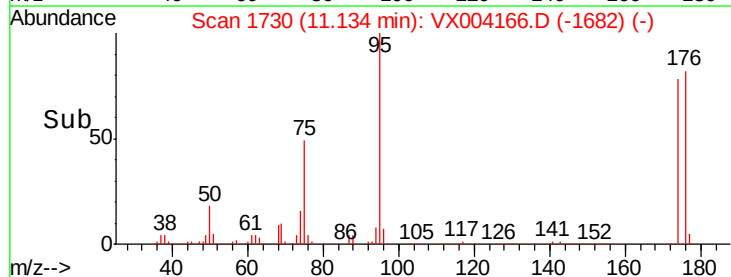
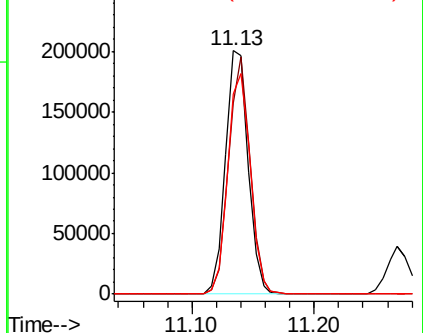
176 90.1 0.0 179.0

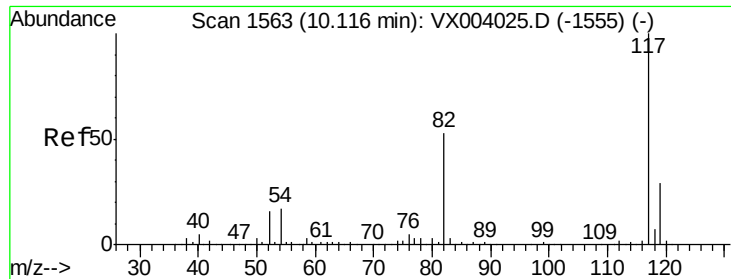


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

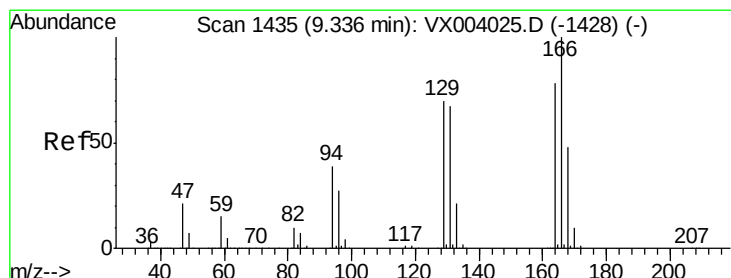
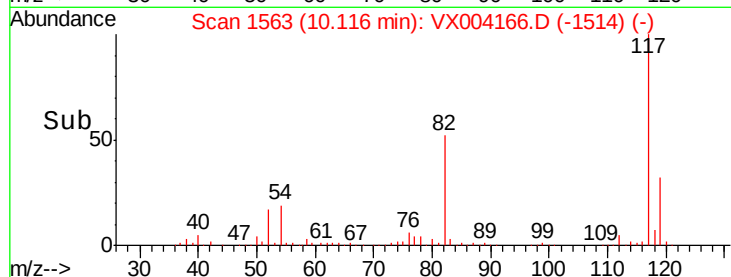
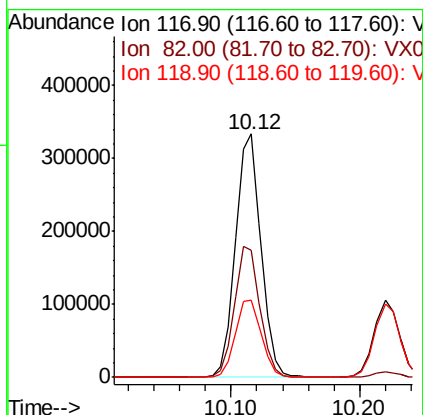
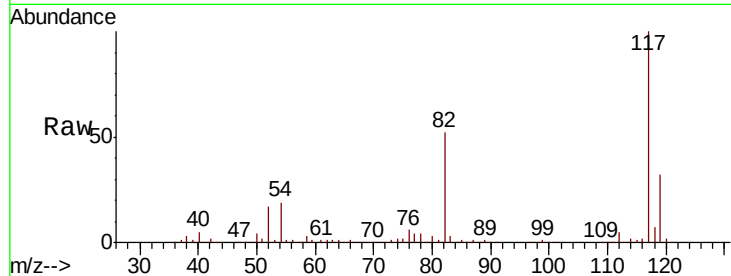




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

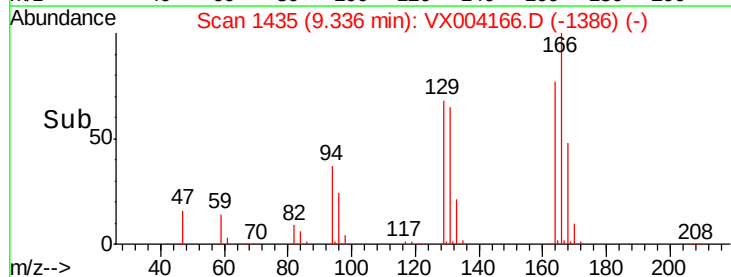
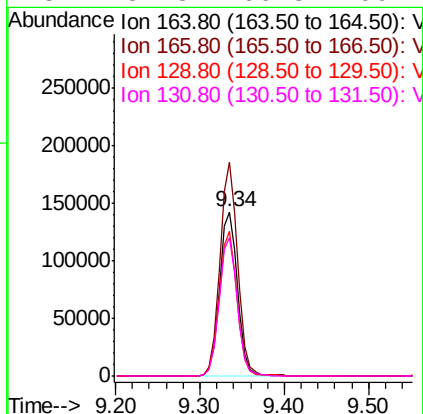
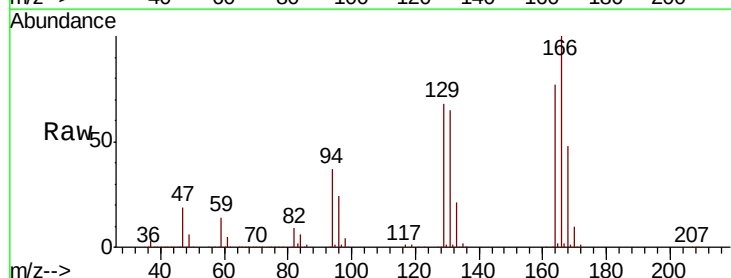
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

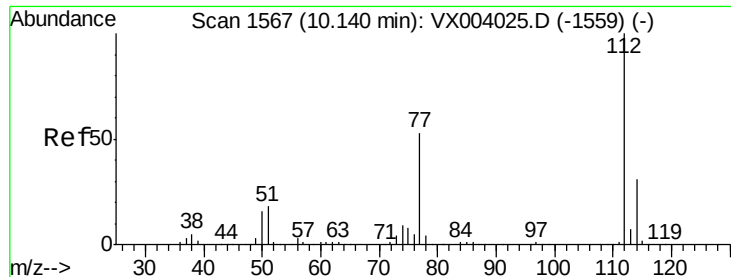
Tot Ion:117 Resp: 459710
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.0
119 31.6 26.6 40.0



#64
Tetrachloroethene
Concen: 48.44 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion:164 Resp: 211066
Ion Ratio Lower Upper
164 100
166 130.0 98.0 147.0
129 88.1 64.3 96.5
131 84.3 66.8 100.2

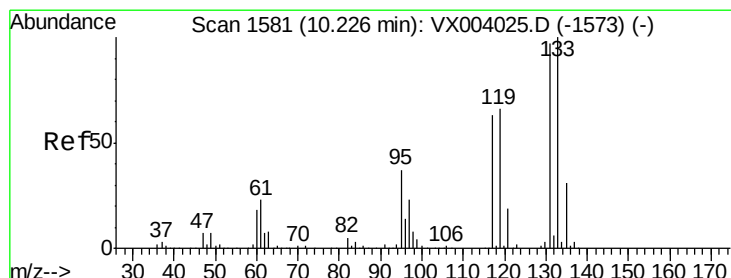
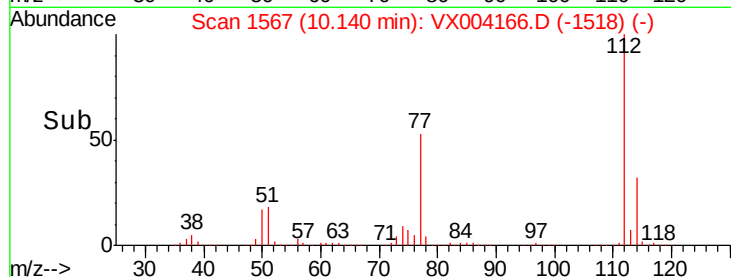
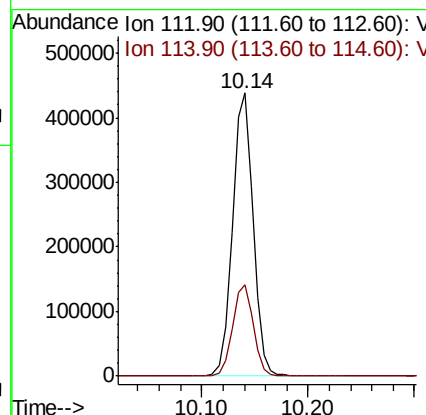
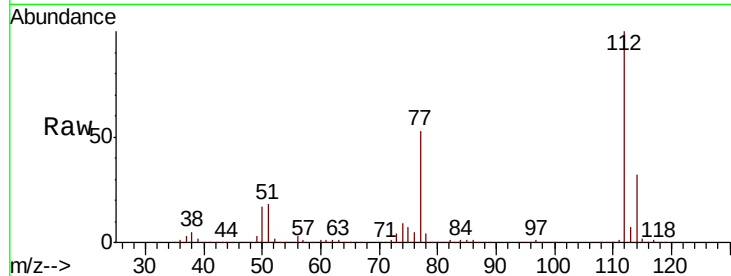




#65
Chlorobenzene
Concen: 50.08 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

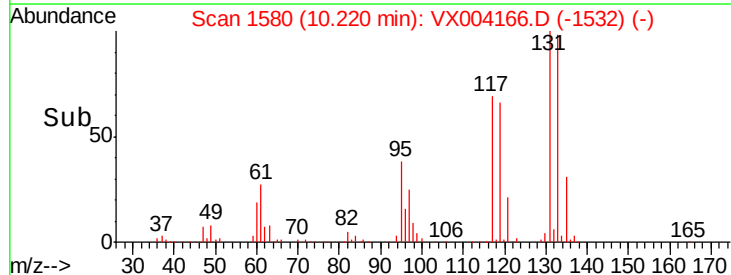
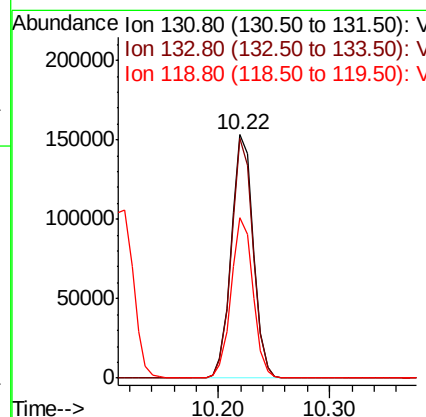
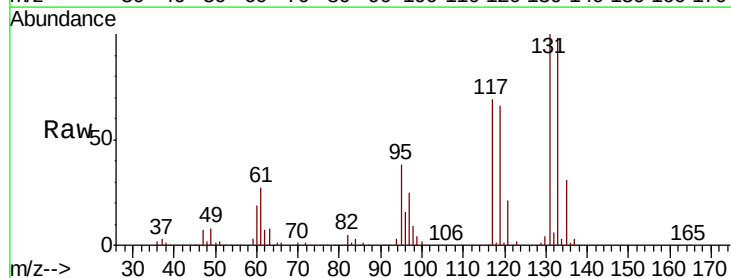
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

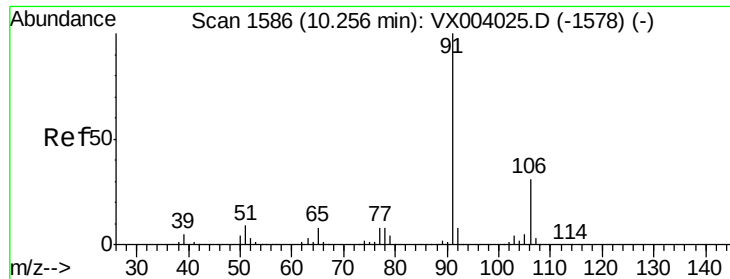
Tot Ion:112 Resp: 594696
Ion Ratio Lower Upper
112 100
114 32.2 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.77 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion:131 Resp: 209660
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.8
119 65.3 31.6 94.8

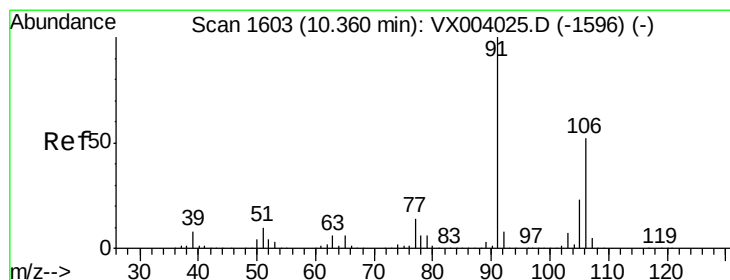
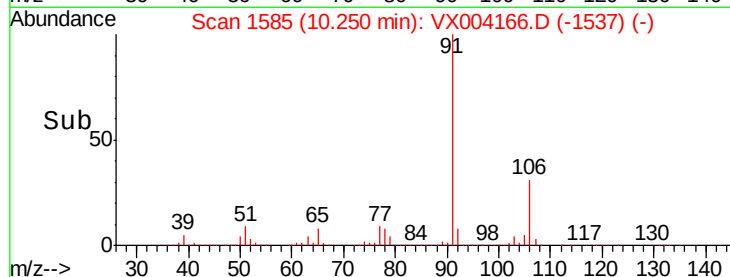
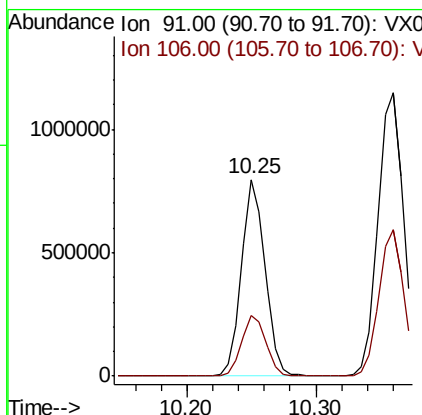
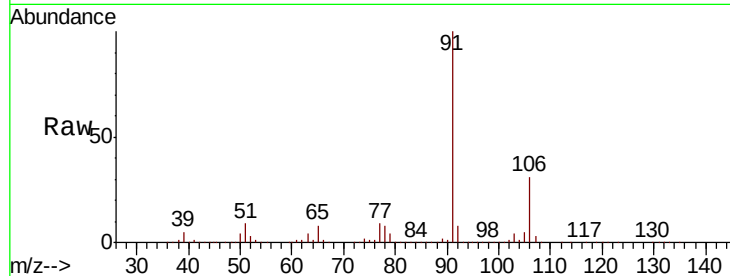




#67
Ethyl Benzene
Concen: 53.87 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

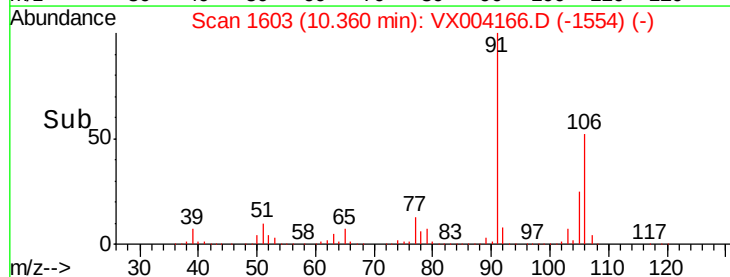
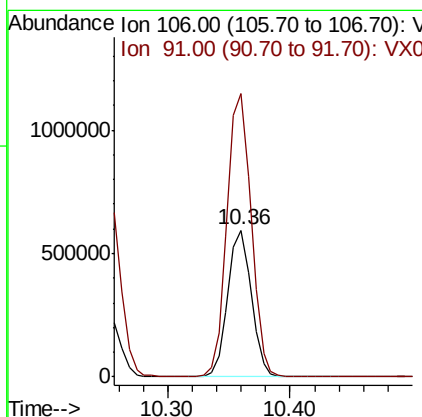
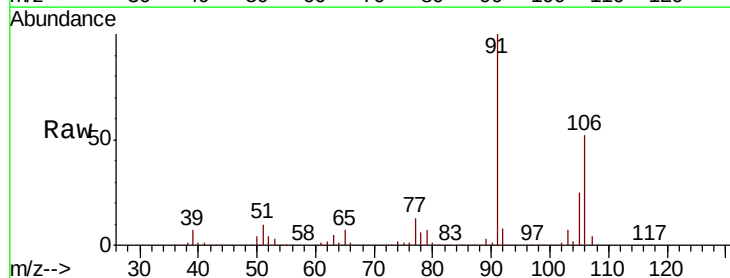
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

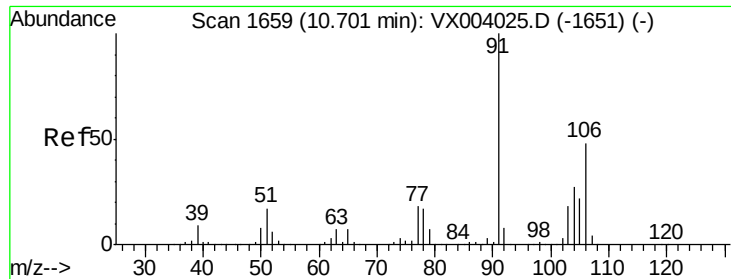
Tot Ion: 91 Resp: 1012895
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9



#68
m/p-Xylenes
Concen: 107.40 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 106 Resp: 790830
Ion Ratio Lower Upper
106 100
91 199.2 162.3 243.5

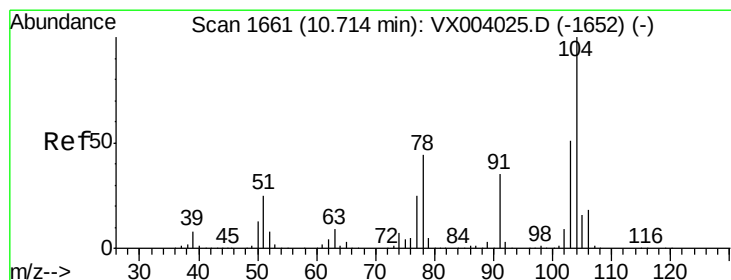
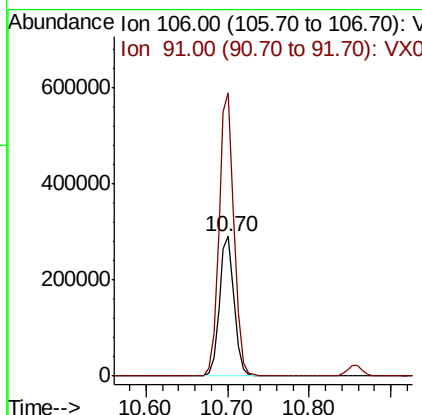
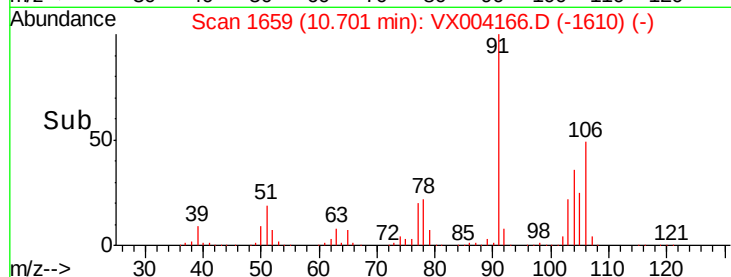
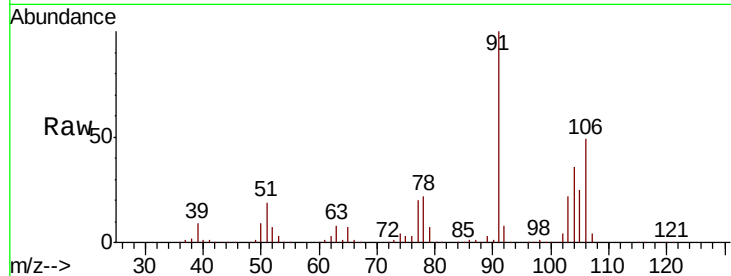




#69
o-Xylene
Concen: 52.49 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

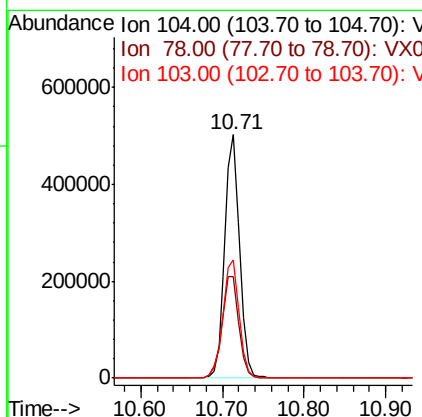
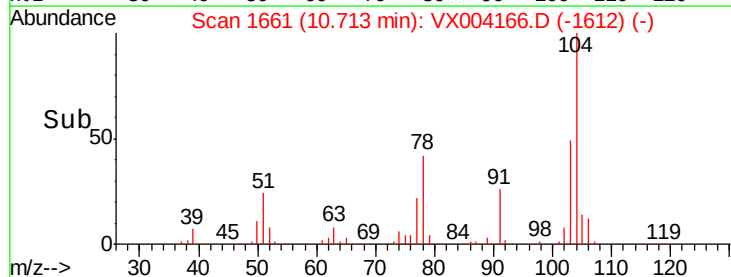
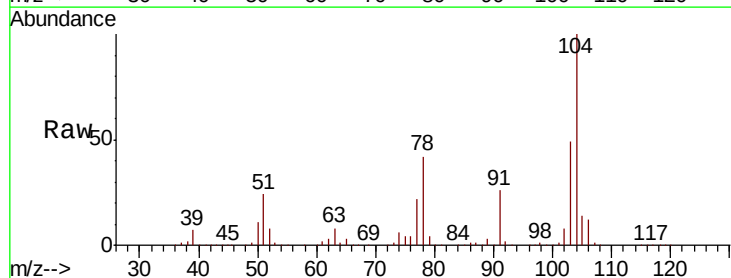
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

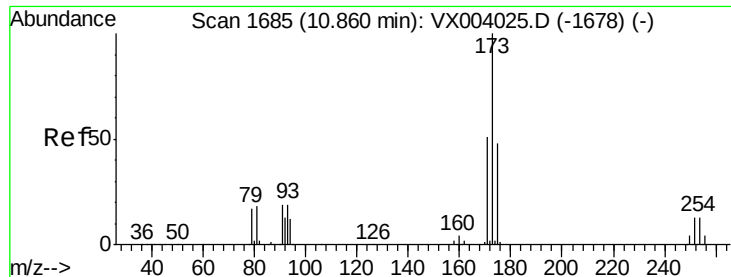
Tot Ion:106 Resp: 369371
Ion Ratio Lower Upper
106 100
91 206.1 101.9 305.7



#70
Styrene
Concen: 53.51 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion:104 Resp: 633759
Ion Ratio Lower Upper
104 100
78 47.4 39.8 59.6
103 53.3 44.3 66.5





#71

Bromoform

Concen: 49.69 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

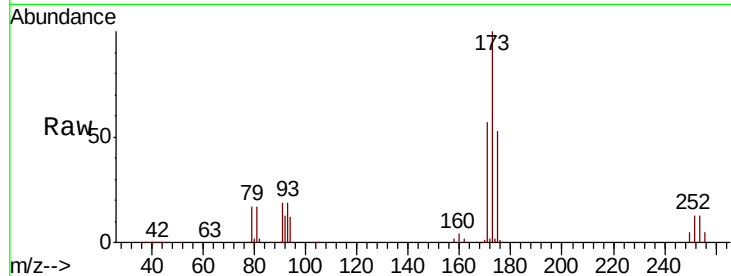
Tot Ion:173 Resp: 159593

Ion Ratio Lower Upper

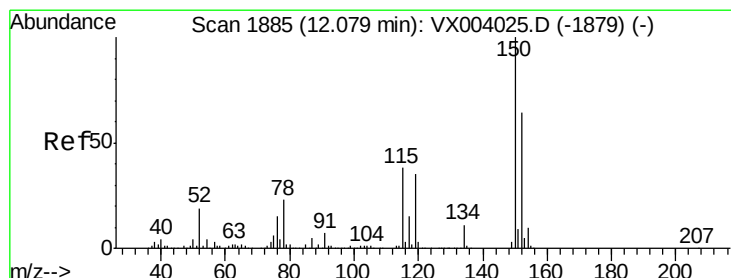
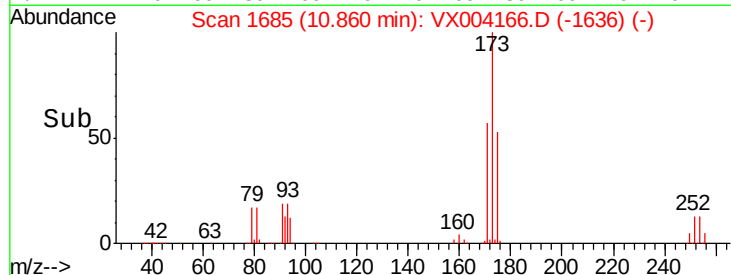
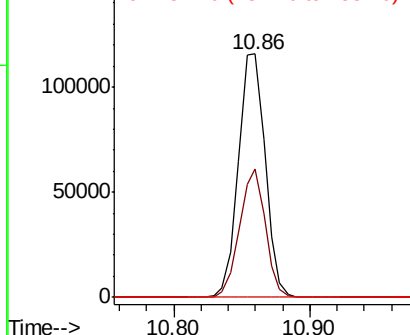
173 100

175 50.3 24.9 74.7

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

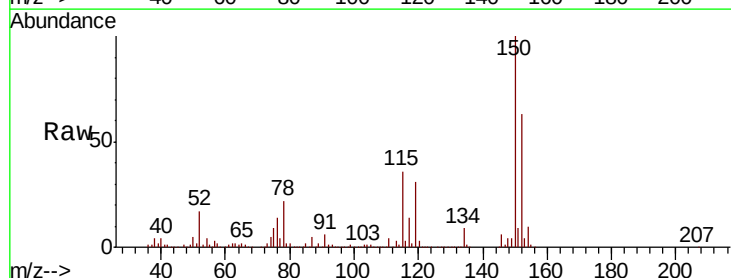
Tgt Ion:152 Resp: 281586

Ion Ratio Lower Upper

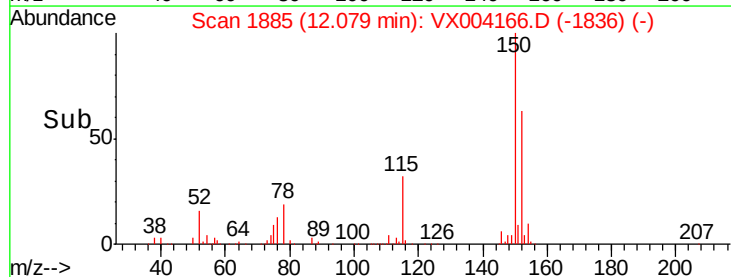
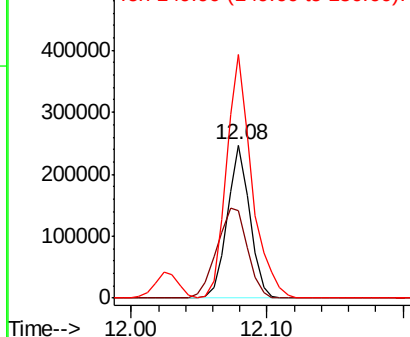
152 100

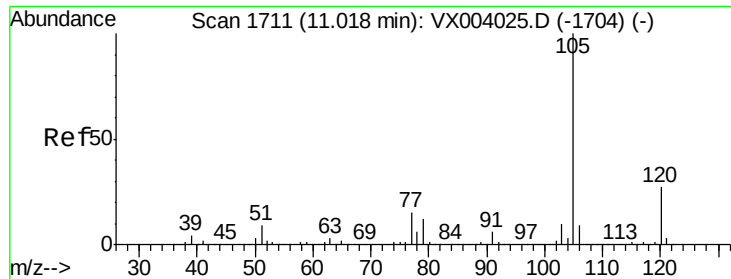
115 81.0 39.1 117.3

150 179.6 0.0 349.2



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: 51.24 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

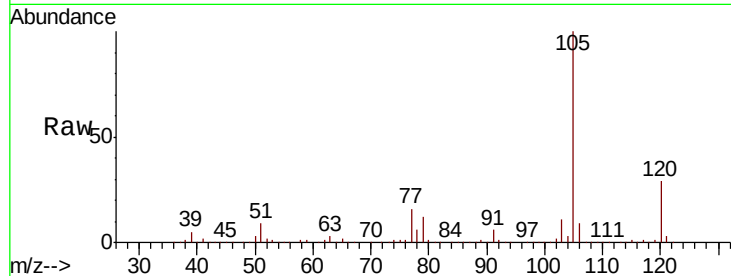
VSTDCCC050

Tot Ion:105 Resp: 976401

Ion Ratio Lower Upper

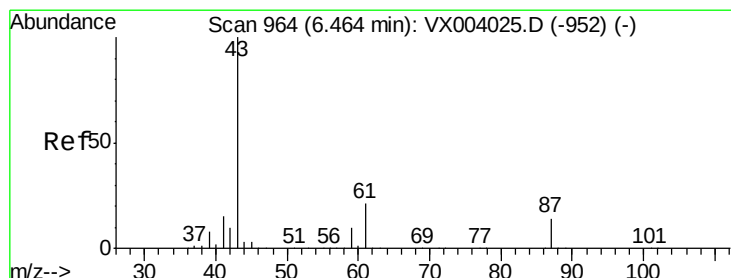
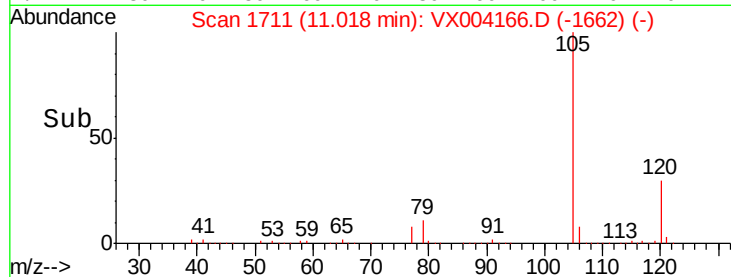
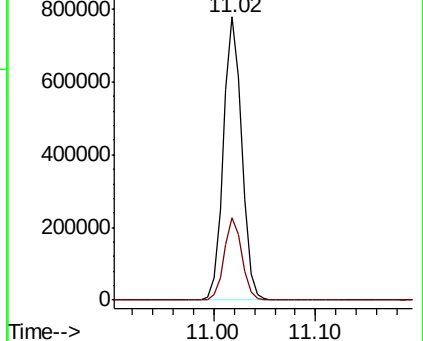
105 100

120 28.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.98 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 412130

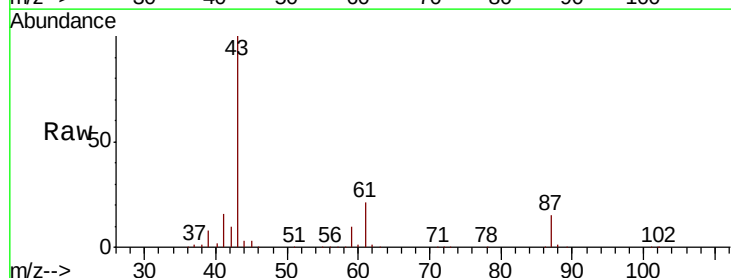
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1#

61 21.1 16.9 25.3

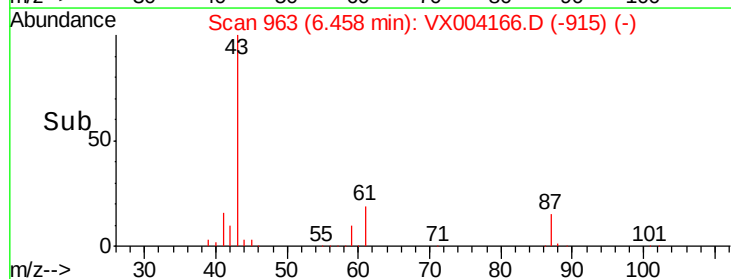
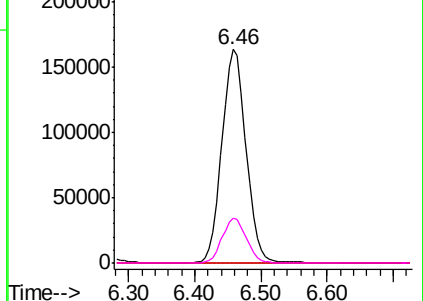


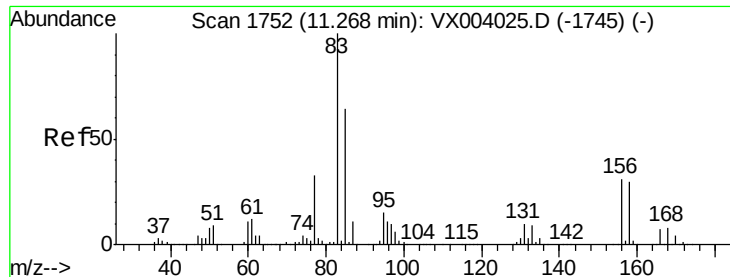
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

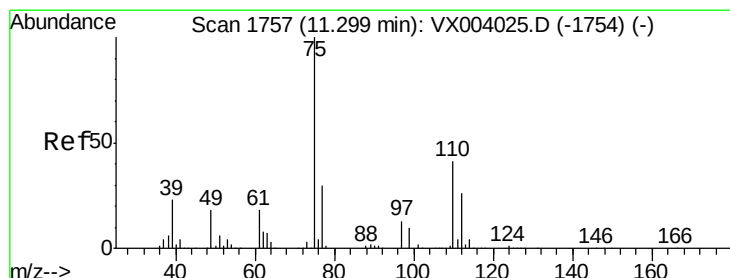
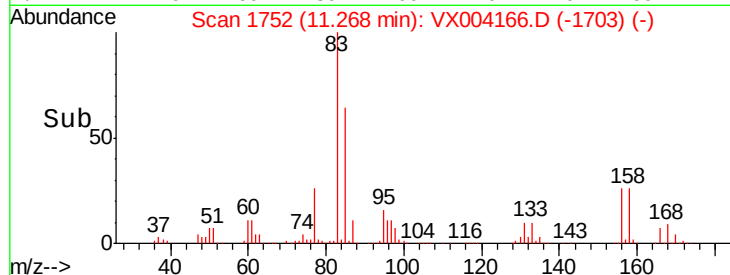
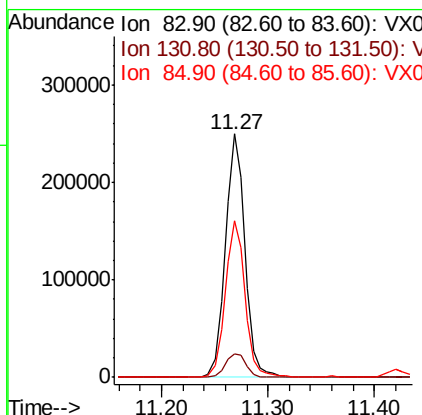
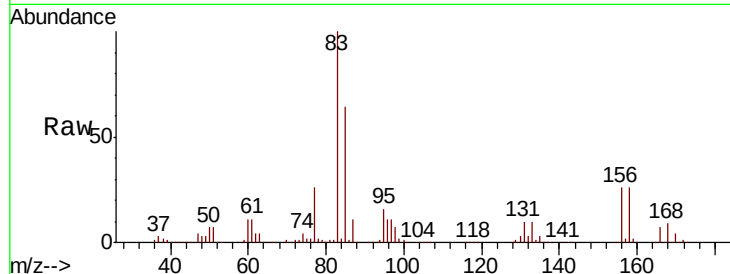




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.14 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

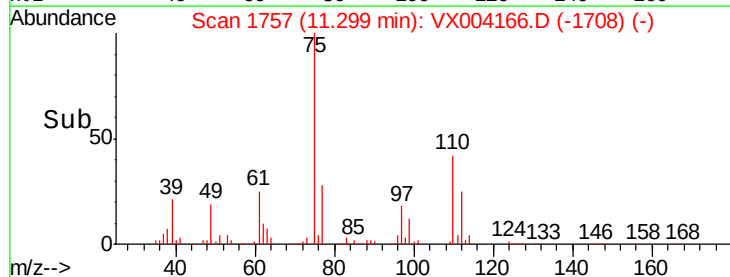
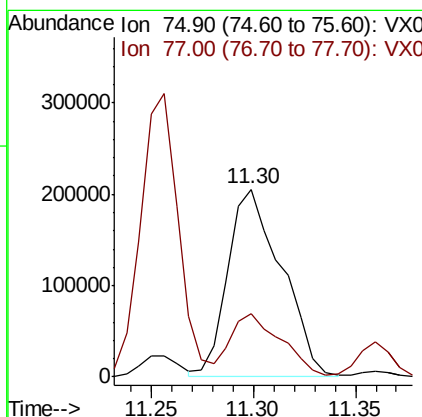
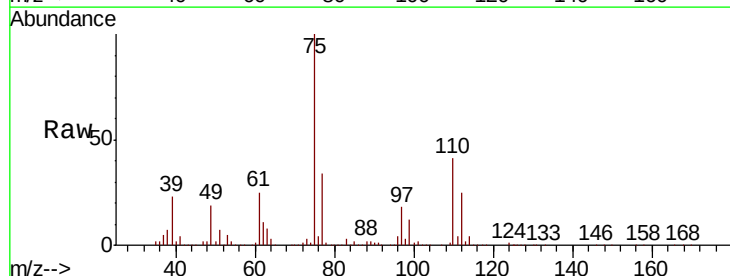
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

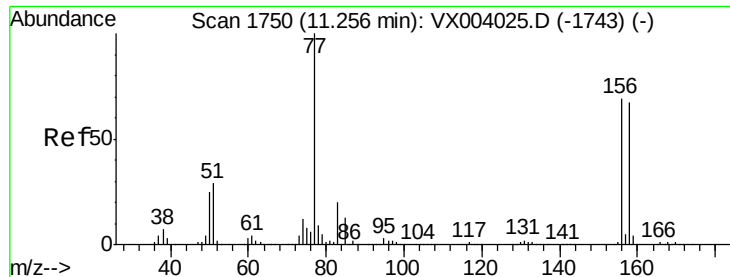
Tot Ion	83	Resp	320339
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.8	32.2	96.6



#76
 1,2,3-Trichloropropane
 Concen: 66.36 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	75	Resp	374757
Ion	Ratio	Lower	Upper
75	100		
77	31.5	20.8	62.5





#77

Bromobenzene

Concen: 50.25 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

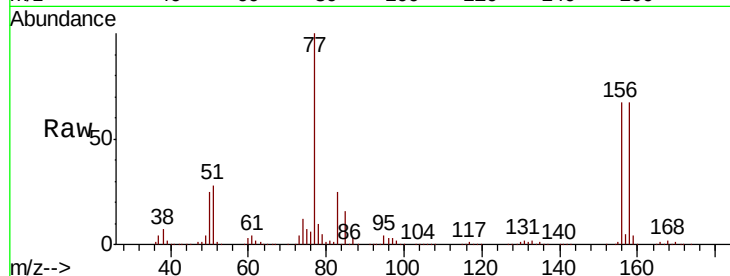
Tot Ion:156 Resp: 263946

Ion Ratio Lower Upper

156 100

77 150.7 74.1 222.2

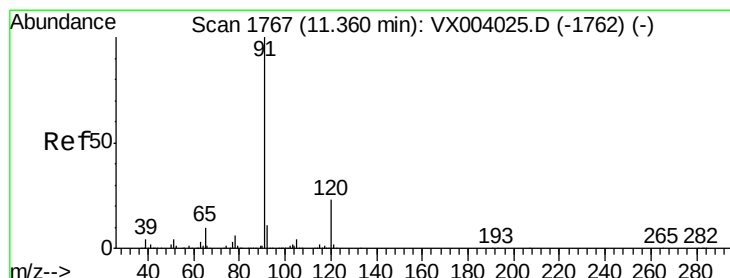
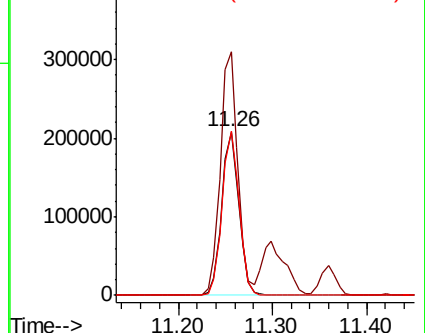
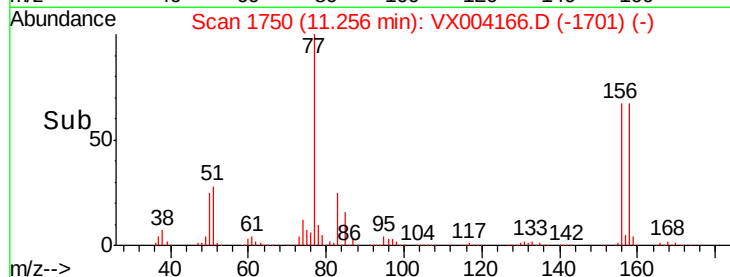
158 99.9 48.6 145.9



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: 54.68 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004166.D

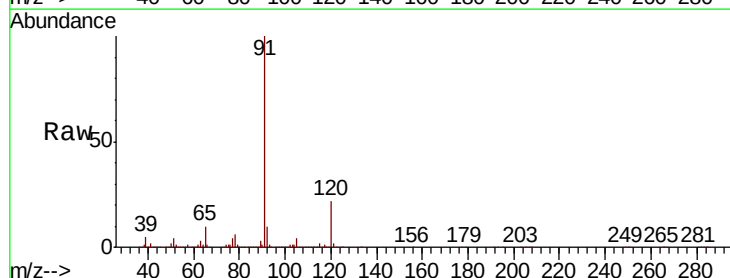
Acq: 21 Aug 2018 10:20

Tgt Ion: 91 Resp: 1166107

Ion Ratio Lower Upper

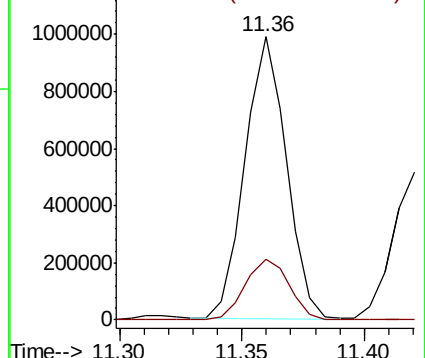
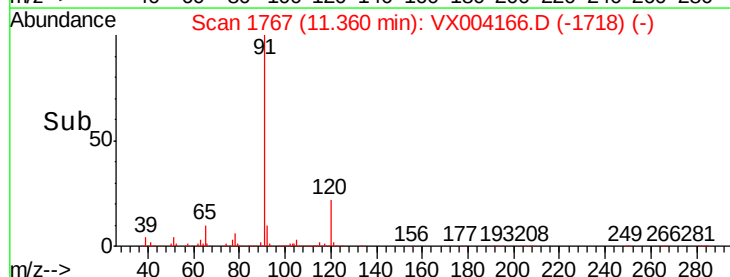
91 100

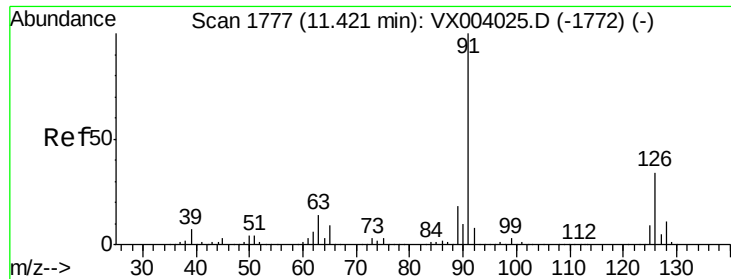
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

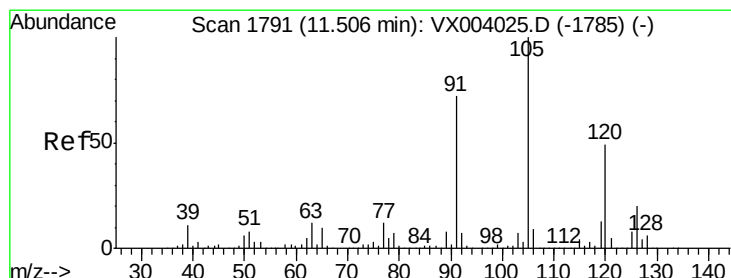
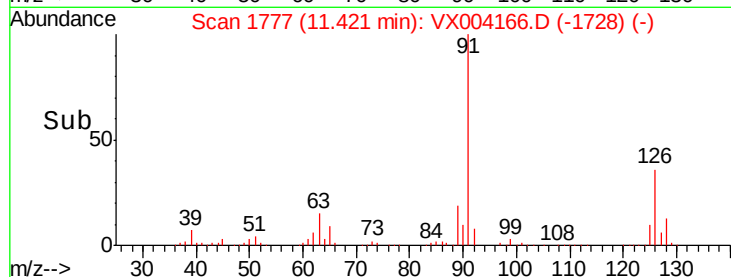
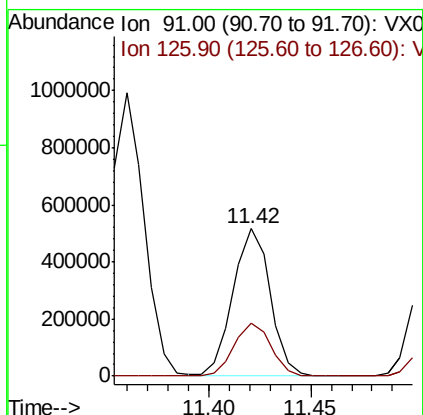
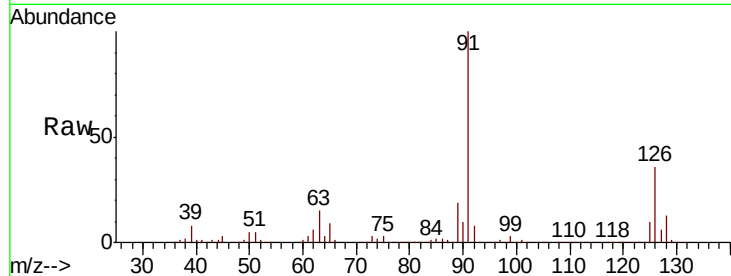




#79
 2-Chlorotoluene
 Concen: 49.86 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

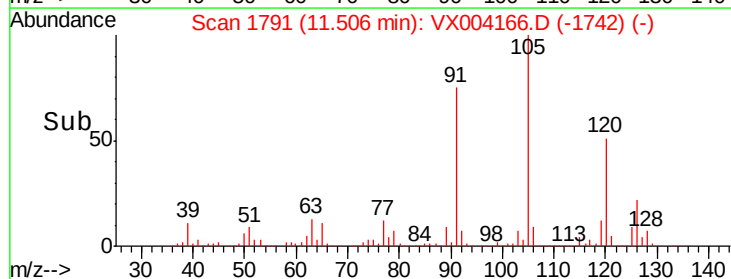
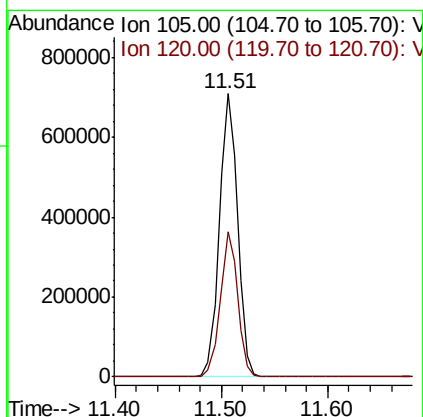
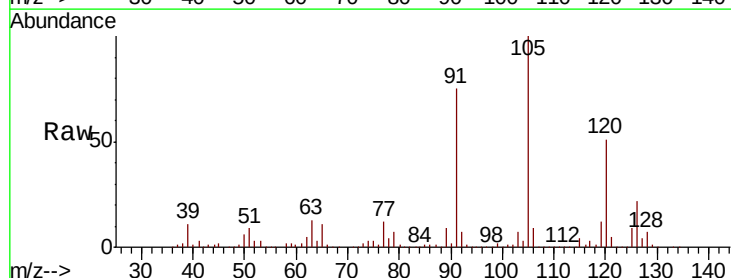
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

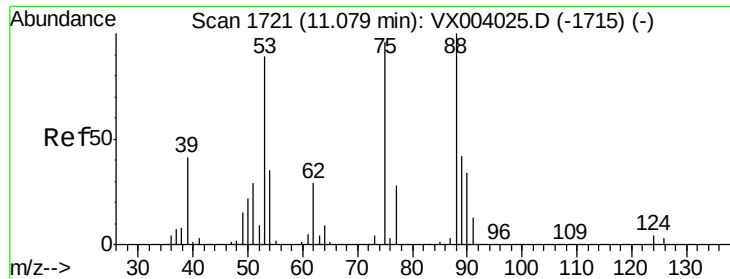
Tot Ion: 91 Resp: 648034
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 53.95 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:105 Resp: 841818
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.58 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

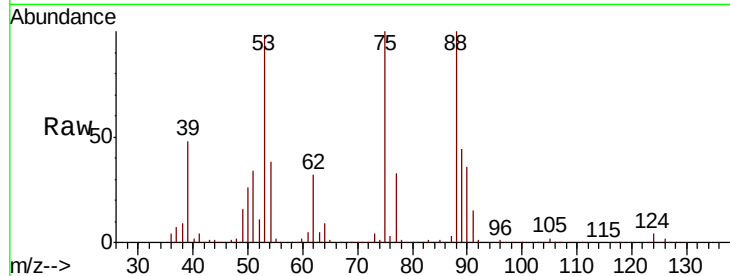
Tot Ion: 75 Resp: 95912

Ion Ratio Lower Upper

75 100

53 96.1 80.3 120.5

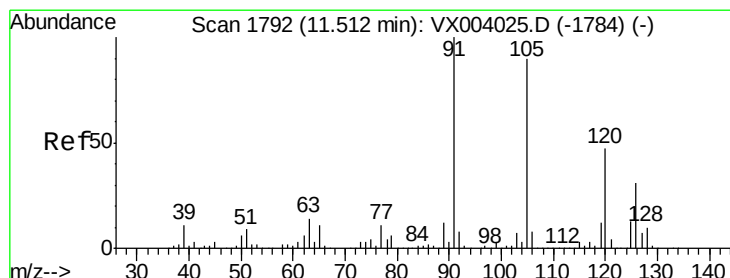
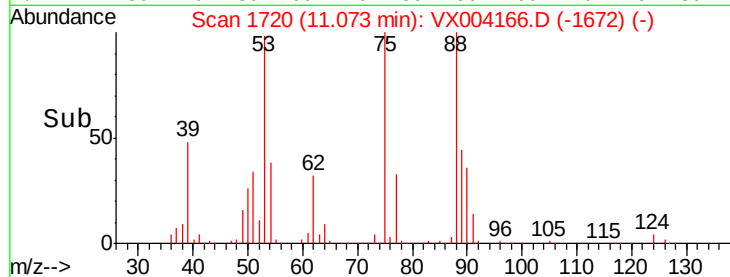
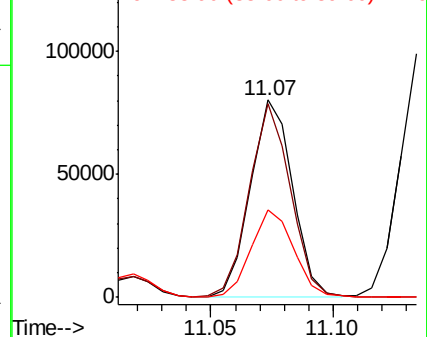
89 45.5 37.8 56.8



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: 50.62 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004166.D

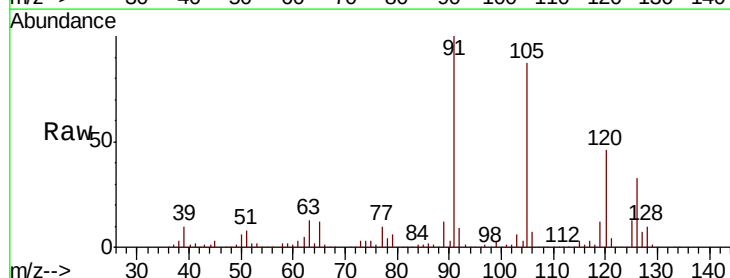
Acq: 21 Aug 2018 10:20

Tgt Ion: 91 Resp: 777554

Ion Ratio Lower Upper

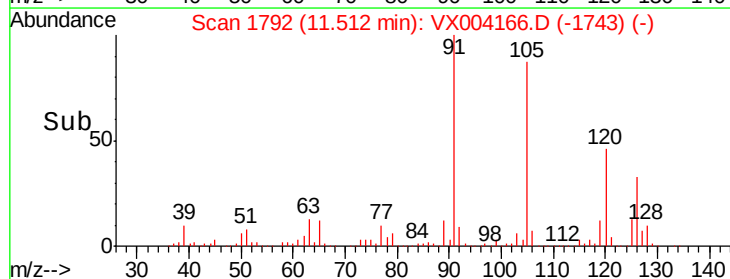
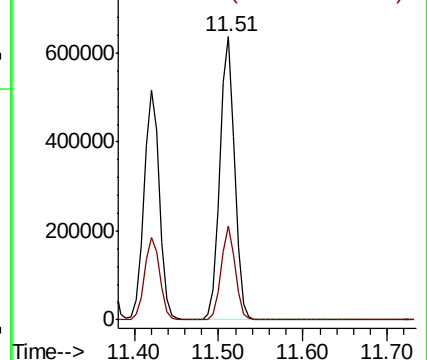
91 100

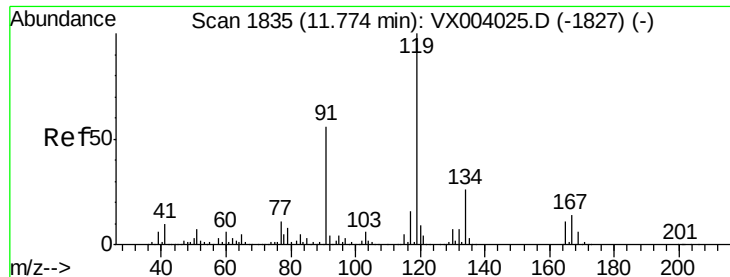
126 31.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

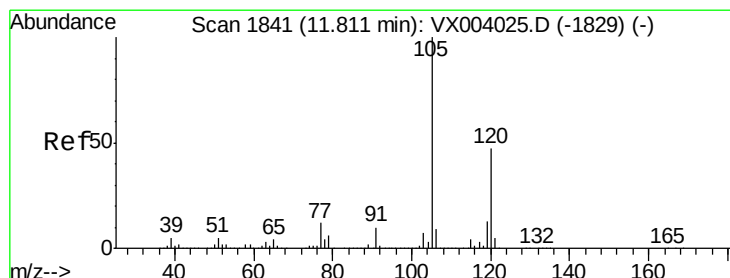
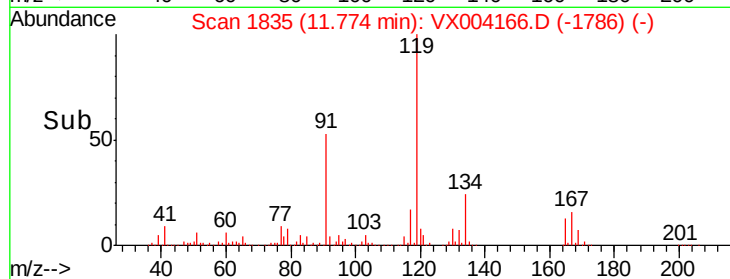
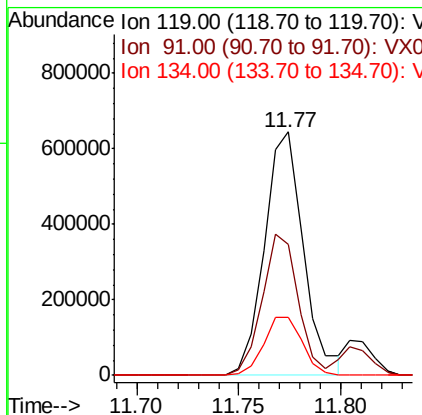
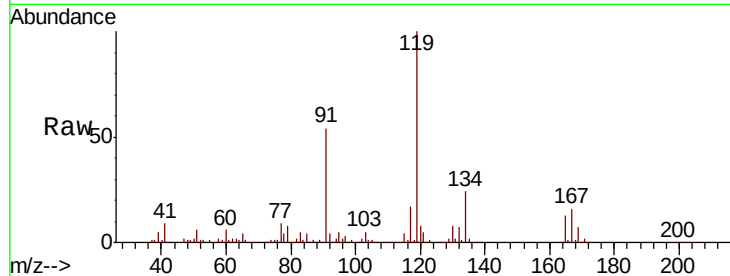




#83
 tert-Butylbenzene
 Concen: 54.40 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

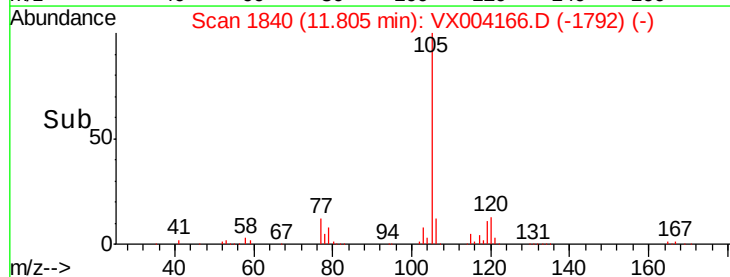
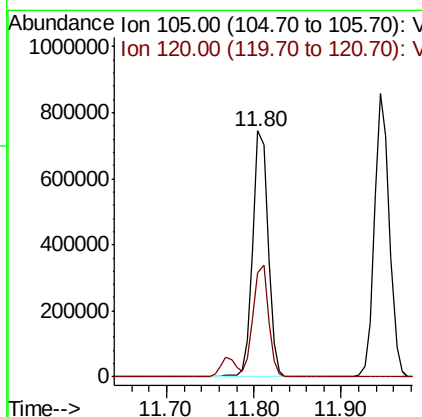
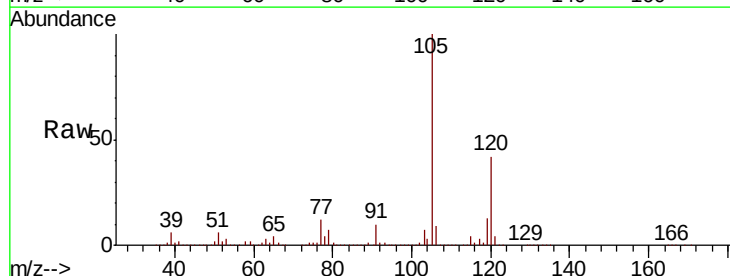
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

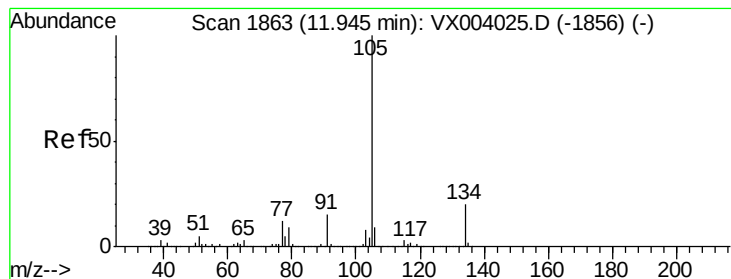
Tot Ion:119 Resp: 855887
 Ion Ratio Lower Upper
 119 100
 91 53.8 26.9 80.7
 134 24.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 55.52 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:105 Resp: 897151
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 55.90 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

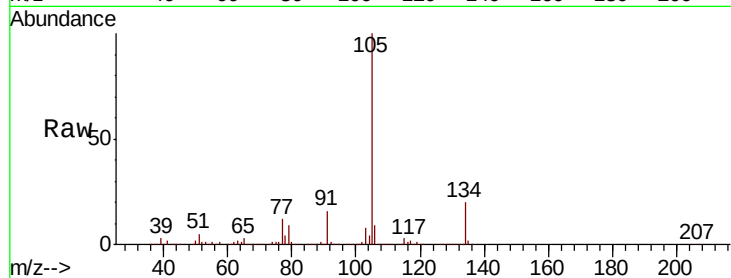
VSTDCCC050

Tot Ion:105 Resp: 1029271

Ion Ratio Lower Upper

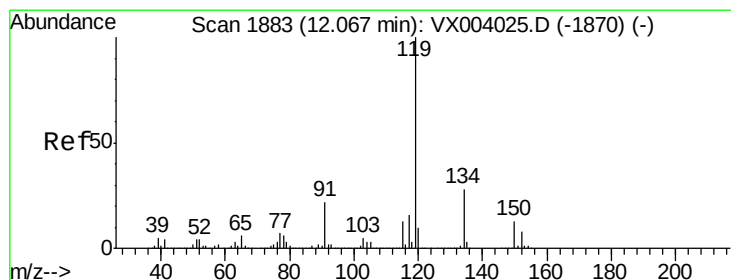
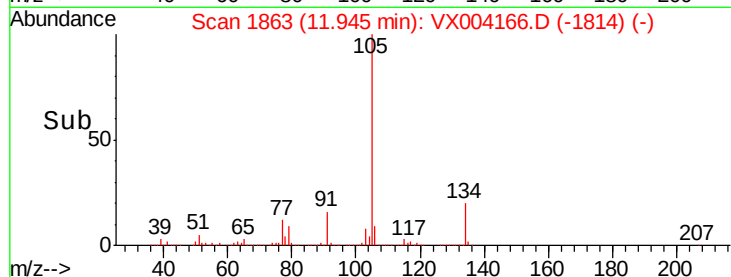
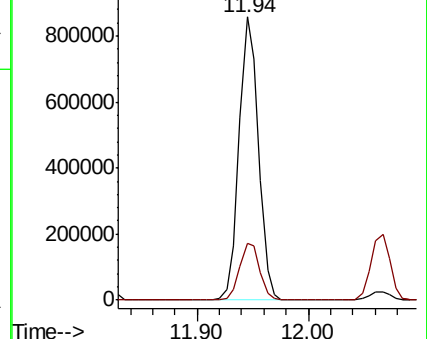
105 100

134 21.0 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.15 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

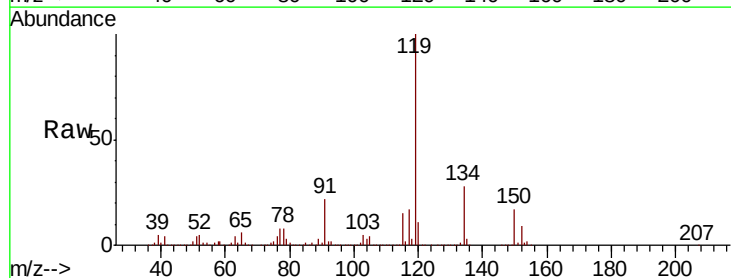
Tgt Ion:119 Resp: 919324

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

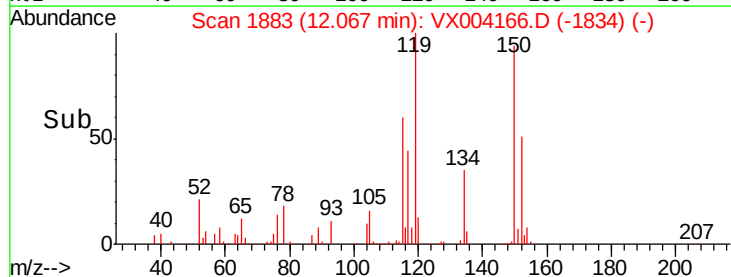
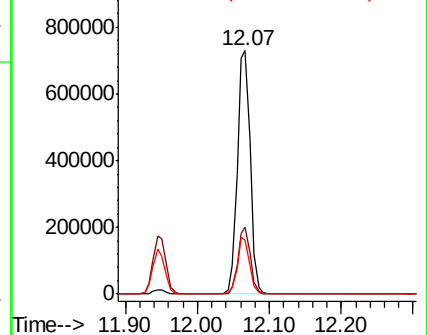
91 22.0 10.9 32.7

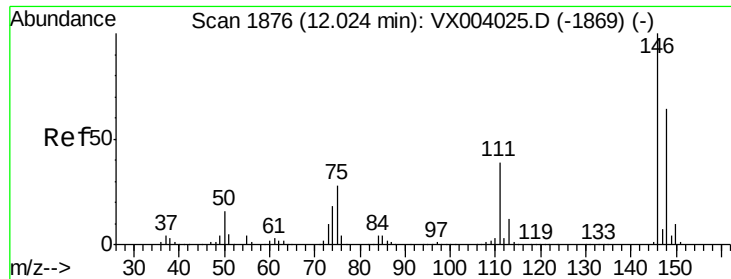


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

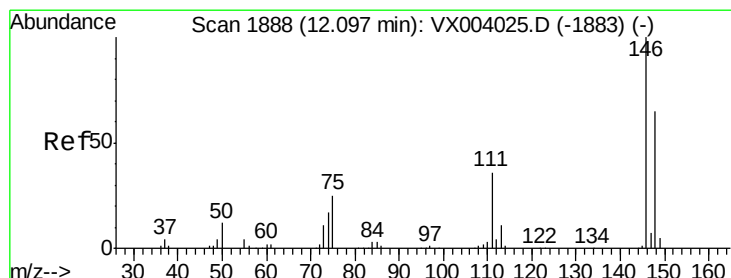
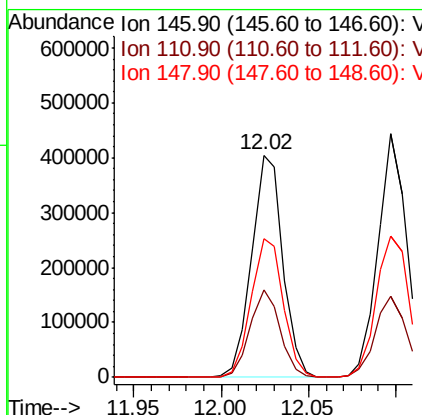
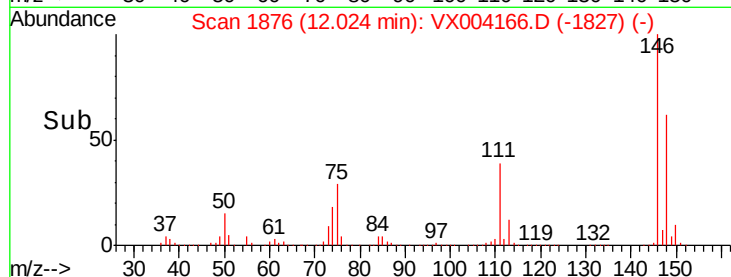
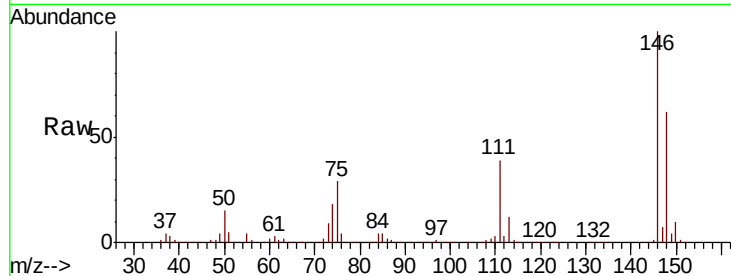




#87
 1,3-Dichlorobenzene
 Concen: 50.17 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

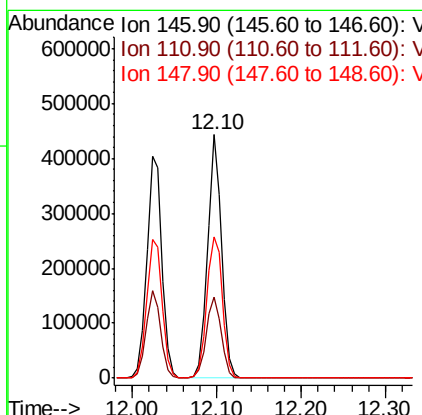
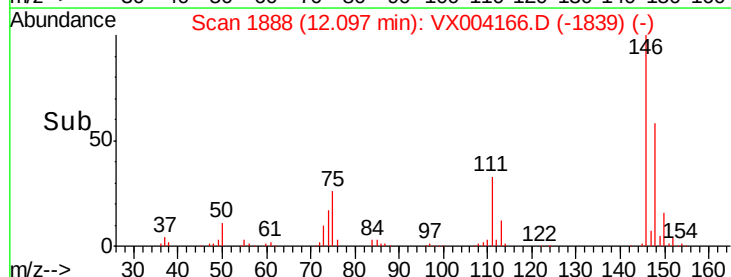
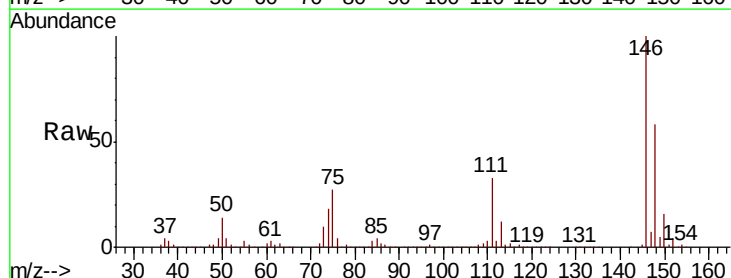
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

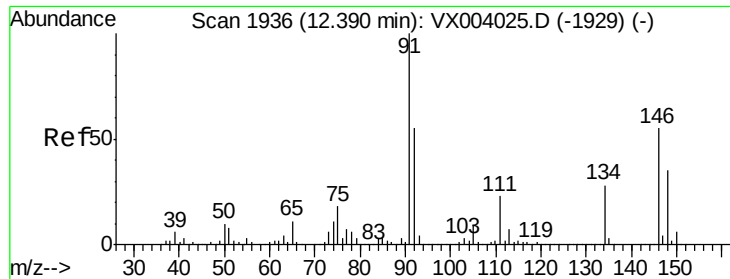
Tot Ion:146 Resp: 502646
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.4
 148 64.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.25 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:146 Resp: 507778
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.4 55.0
 148 65.3 32.3 96.8





#89

n-Butylbenzene

Concen: 64.17 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

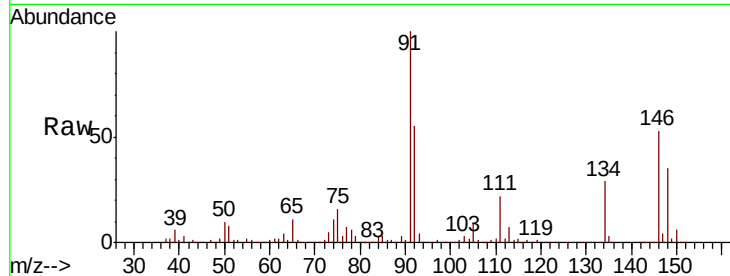
Tot Ion: 91 Resp: 842843

Ion Ratio Lower Upper

91 100

92 54.7 27.1 81.3

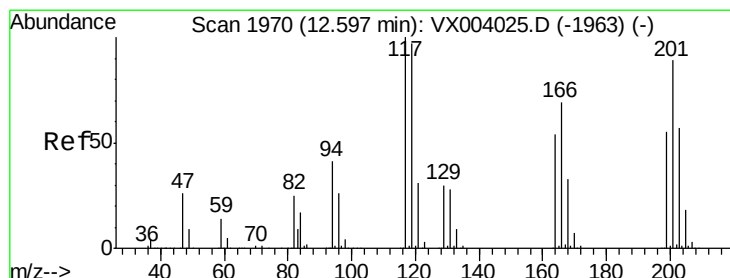
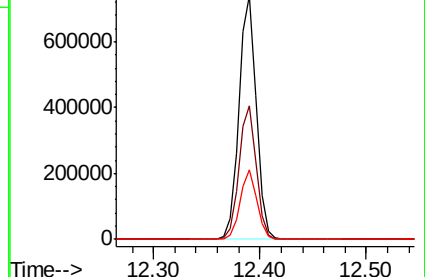
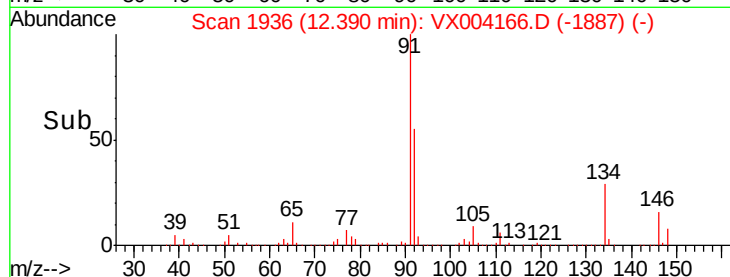
134 27.6 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX004025.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX004025.D (-1929) (-)



#90

Hexachloroethane

Concen: 54.64 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004166.D

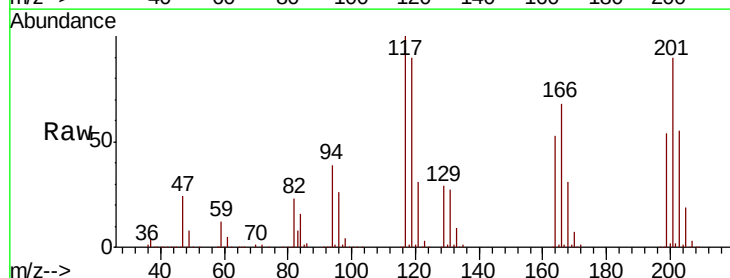
Acq: 21 Aug 2018 10:20

Tgt Ion: 117 Resp: 136270

Ion Ratio Lower Upper

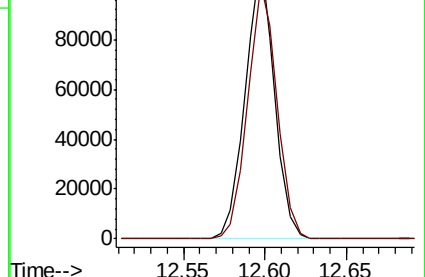
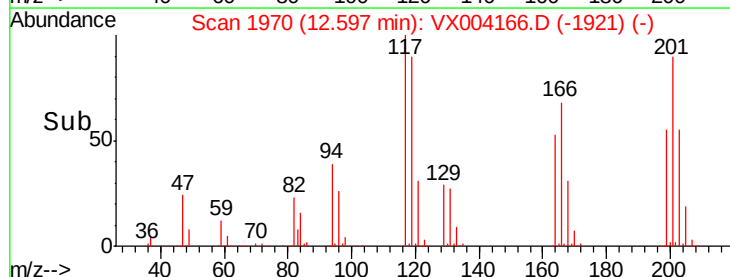
117 100

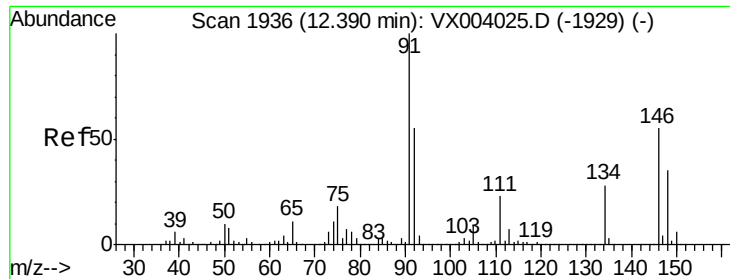
201 93.2 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): VX004025.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX004025.D (-1963) (-)

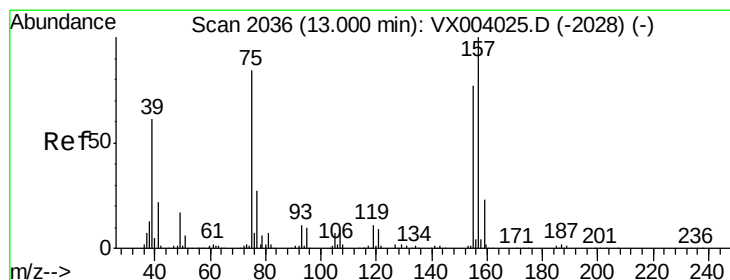
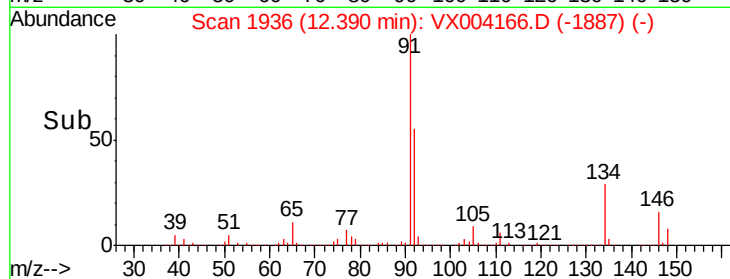
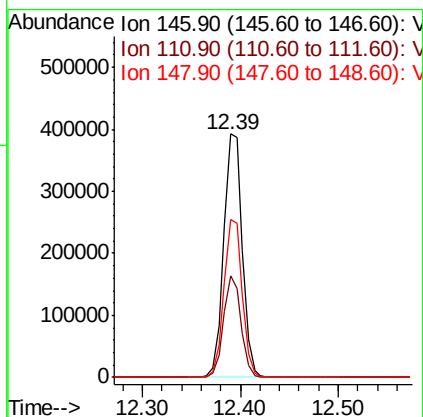
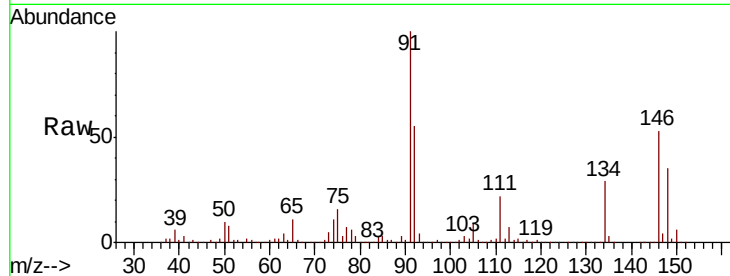




#91
 1,2-Dichlorobenzene
 Concen: 56.87 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

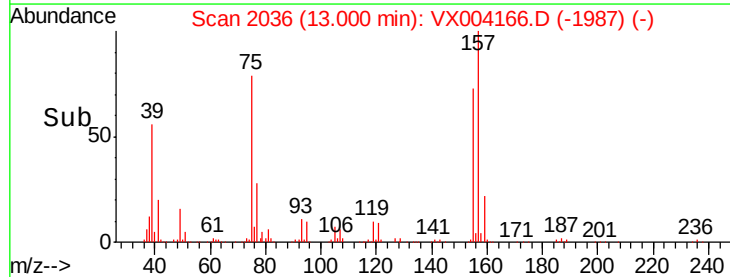
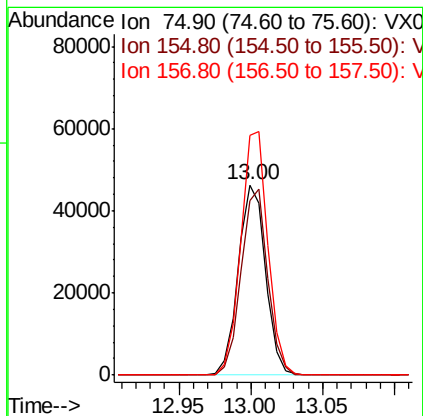
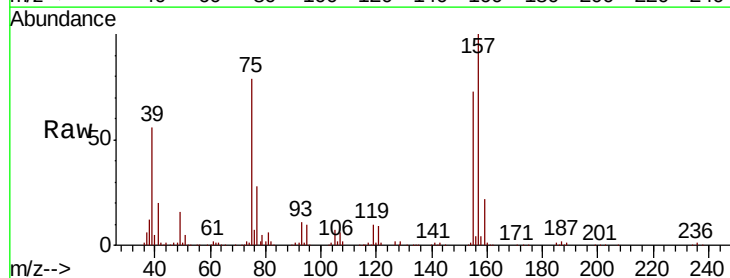
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

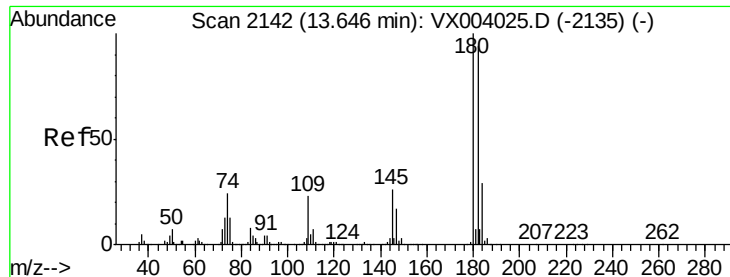
Tot Ion:146 Resp: 513817
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.1 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.96 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 75 Resp: 60765
 Ion Ratio Lower Upper
 75 100
 155 94.8 48.7 146.1
 157 127.0 62.6 187.8

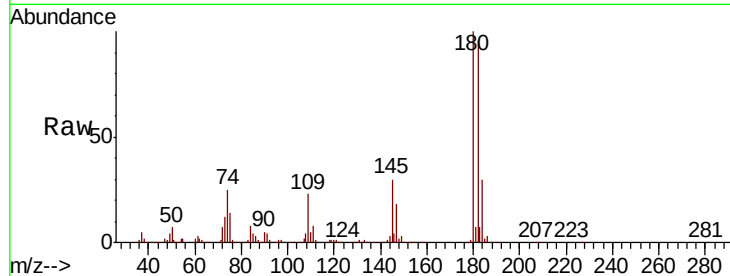




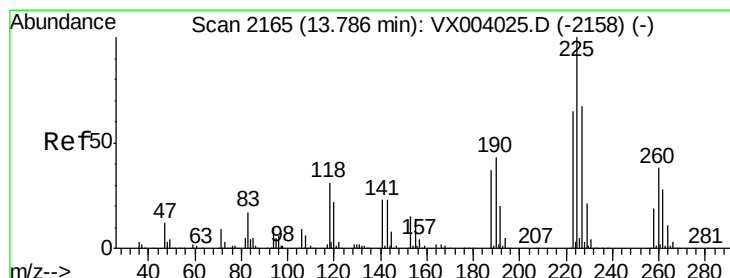
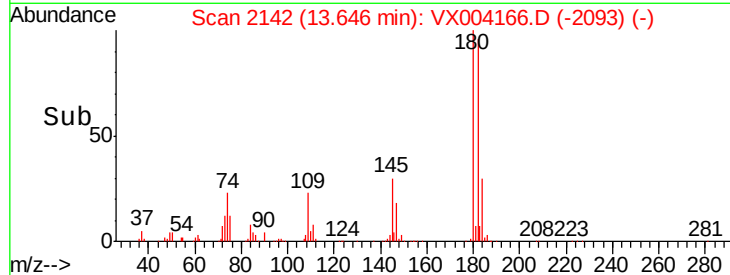
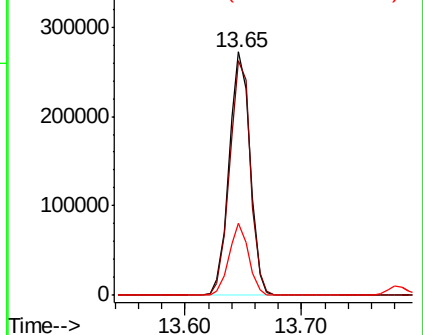
#93
 1,2,4-Trichlorobenzene
 Concen: 54.99 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 339610
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.7 143.1
 145 27.7 13.9 41.6

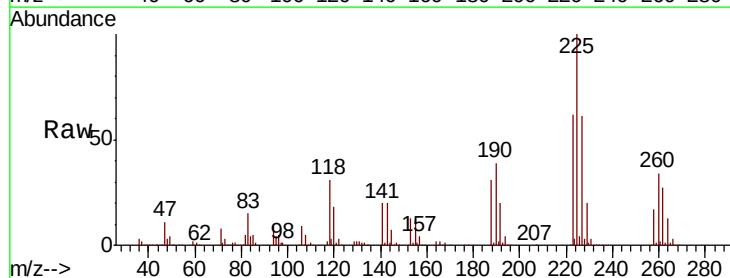


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

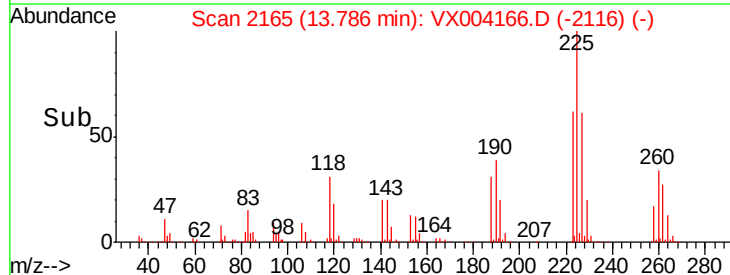
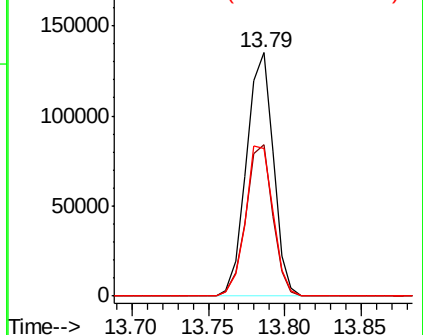


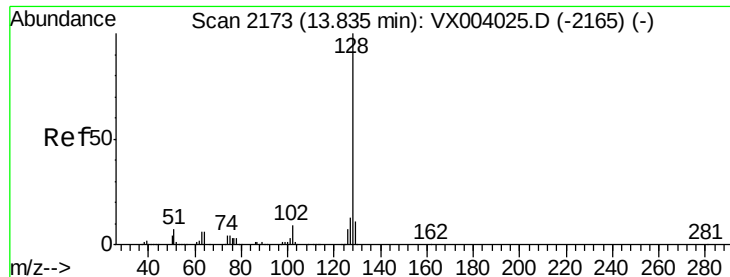
#94
 Hexachlorobutadiene
 Concen: 53.41 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:225 Resp: 165373
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.4 94.0
 227 63.0 32.1 96.5



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





#95

Naphthalene

Concen: 51.85 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

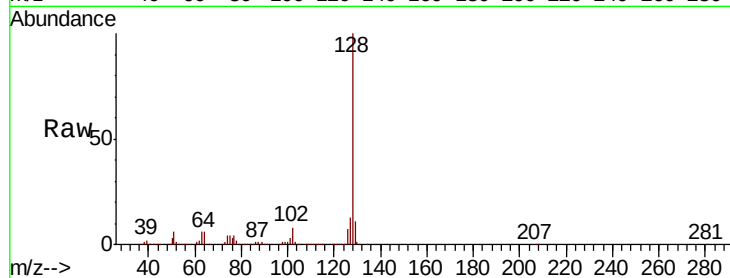
Tot Ion:128 Resp: 1021761

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

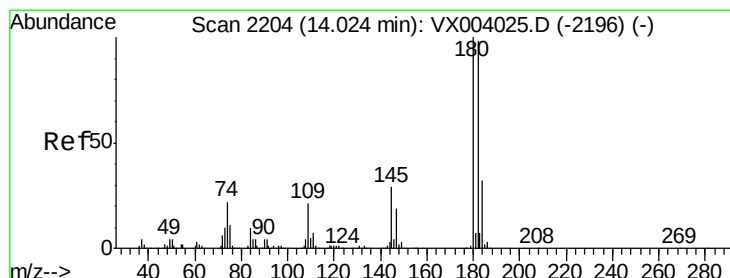
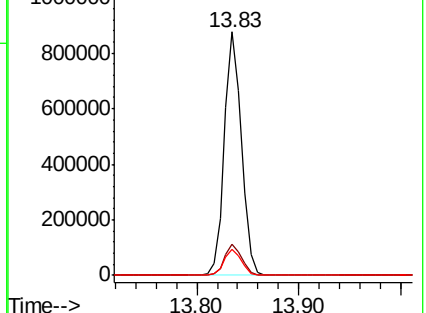
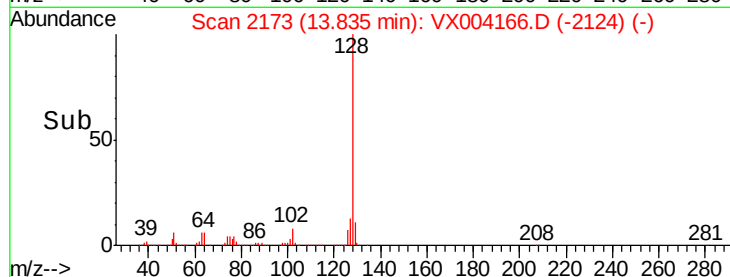
129 10.9 8.8 13.2



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: 52.84 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

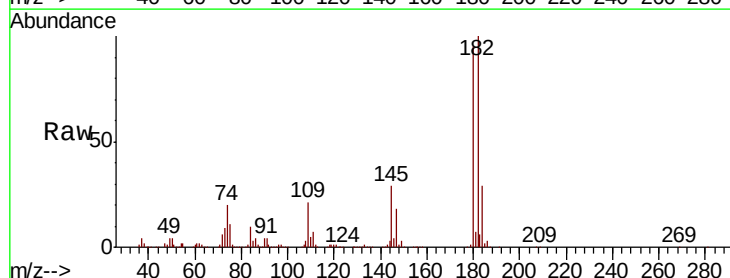
Tgt Ion:180 Resp: 355887

Ion Ratio Lower Upper

180 100

182 98.8 48.1 144.4

145 31.2 14.9 44.7



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

