

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005376.D
 Acq On : 16 Oct 2018 18:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 17 04:58:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	255324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	134564	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	5.50	113	111902	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	8.72	98	421679	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.14	95	158181	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99602	49.893	ug/l	98
3) Chloromethane	1.32	50	133695	46.219	ug/l	99
4) Vinyl Chloride	1.40	62	140674	48.007	ug/l	99
5) Bromomethane	1.64	94	78773	47.626	ug/l	97
6) Chloroethane	1.71	64	86034	49.678	ug/l	98
7) Trichlorofluoromethane	1.92	101	202556	51.799	ug/l	96
8) Diethyl Ether	2.19	74	82023	49.120	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	117746	52.169	ug/l	96
10) Methyl Iodide	2.51	142	141467	56.807	ug/l	99
11) Tert butyl alcohol	3.07	59	203648	254.769	ug/l	100
12) 1,1-Dichloroethene	2.37	96	114861	51.364	ug/l	94
13) Acrolein	2.29	56	101579	198.700	ug/l	96
14) Allyl chloride	2.73	41	240612	49.008	ug/l	96
15) Acrylonitrile	3.15	53	441765	243.884	ug/l	98
16) Acetone	2.45	43	397099	242.368	ug/l	95
17) Carbon Disulfide	2.57	76	311912	46.044	ug/l	99
18) Methyl Acetate	2.78	43	237028	50.851	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	405469	51.483	ug/l	98
20) Methylene Chloride	2.85	84	126990	53.280	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	118160	47.680	ug/l	97
22) Diisopropyl ether	3.87	45	394374	47.824	ug/l	97
23) Vinyl Acetate	3.82	43	1720151	238.657	ug/l	97
24) 1,1-Dichloroethane	3.70	63	236938	50.134	ug/l	98
25) 2-Butanone	4.70	43	575443	240.049	ug/l	94
26) 2,2-Dichloropropane	4.59	77	168736	47.738	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	126974	47.145	ug/l	96
28) Bromochloromethane	5.02	49	108376	50.302	ug/l	94
29) Tetrahydrofuran	5.15	42	367217	240.152	ug/l	94
30) Chloroform	5.21	83	215495	49.125	ug/l	100
31) Cyclohexane	5.57	56	189530	48.656	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	189619	49.678	ug/l	99
36) 1,1-Dichloropropene	5.80	75	160639	45.253	ug/l	99
37) Ethyl Acetate	4.85	43	206743	45.288	ug/l	99
38) Carbon Tetrachloride	5.78	117	166504	46.682	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005376.D
 Acq On : 16 Oct 2018 18:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 17 04:58:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	189625	49.358	ug/l	97
40) Benzene	6.14	78	481213	45.190	ug/l	100
41) Methacrylonitrile	5.06	41	116582	47.635	ug/l	96
42) 1,2-Dichloroethane	6.20	62	171969	45.736	ug/l	97
43) Isopropyl Acetate	6.46	43	309076	50.826	ug/l	96
44) Trichloroethene	7.21	130	137245	50.483	ug/l	97
45) 1,2-Dichloropropane	7.52	63	126289	48.348	ug/l	100
46) Dibromomethane	7.66	93	83249	48.288	ug/l	97
47) Bromodichloromethane	7.90	83	162242	50.877	ug/l	100
48) Methyl methacrylate	7.77	41	160241	50.806	ug/l	95
49) 1,4-Dioxane	7.76	88	75295	1035.042	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1100555	261.374	ug/l	95
52) Toluene	8.79	92	303798	52.148	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	184187	53.371	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	198343	53.042	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127234	51.564	ug/l	98
56) Ethyl methacrylate	9.18	69	196580	54.649	ug/l	95
57) 1,3-Dichloropropane	9.37	76	211550	51.366	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	547735	271.511	ug/l	96
59) 2-Hexanone	9.50	43	871808	257.393	ug/l	94
60) Dibromochloromethane	9.59	129	136081	53.353	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133726	51.640	ug/l	99
64) Tetrachloroethene	9.34	164	139869	50.894	ug/l	99
65) Chlorobenzene	10.14	112	347729	47.887	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	128563	49.682	ug/l	99
67) Ethyl Benzene	10.26	91	593079	50.241	ug/l	99
68) m/p-Xylenes	10.36	106	465734	101.648	ug/l	96
69) o-Xylene	10.70	106	222944	50.453	ug/l	97
70) Styrene	10.71	104	375781	51.702	ug/l	97
71) Bromoform	10.86	173	115925	50.131	ug/l #	99
73) Isopropylbenzene	11.02	105	613184	52.614	ug/l	100
74) N-amyl acetate	10.90	43	281474	50.075	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	205505	46.744	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	243378	64.001	ug/l	87
77) Bromobenzene	11.26	156	165118	49.551	ug/l	99
78) n-propylbenzene	11.36	91	700534	52.235	ug/l	100
79) 2-Chlorotoluene	11.42	91	413656	50.363	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	524919	52.596	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	61253	48.943	ug/l	98
82) 4-Chlorotoluene	11.51	91	490379	50.366	ug/l	100
83) tert-Butylbenzene	11.77	119	523690	51.818	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	537627	52.347	ug/l	99
85) sec-Butylbenzene	11.94	105	627393	52.457	ug/l	99
86) p-Isopropyltoluene	12.07	119	571168	52.837	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	305616	49.081	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	311738	48.938	ug/l	100
89) n-Butylbenzene	12.39	91	501496	51.094	ug/l	98
90) Hexachloroethane	12.60	117	91733	49.239	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	310484	48.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50442	47.037	ug/l	97

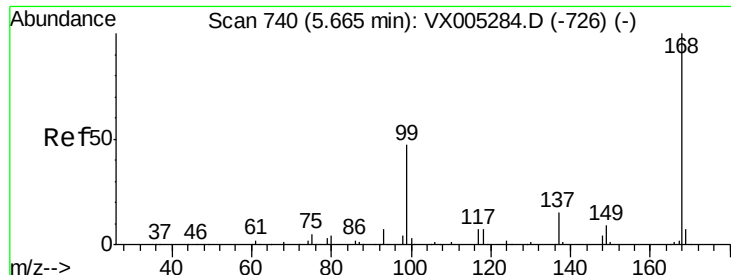
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
Data File : VX005376.D
Acq On : 16 Oct 2018 18:40
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 17 04:58:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	242332	51.981	ug/l	99
94) Hexachlorobutadiene	13.79	225	121588	49.382	ug/l	97
95) Naphthalene	13.83	128	727544	53.812	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	244783	51.316	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

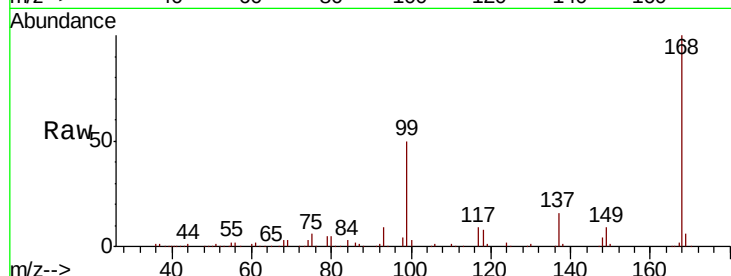
VSTDCCC050EC

Tgt Ion:168 Resp: 255324

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

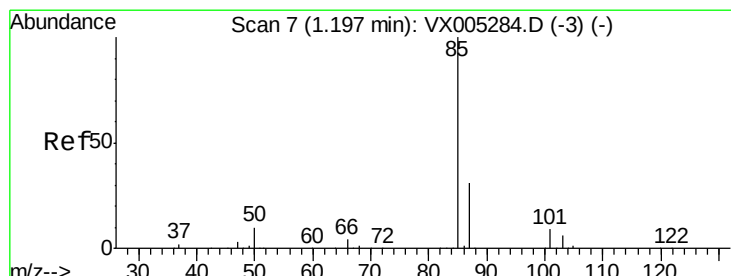
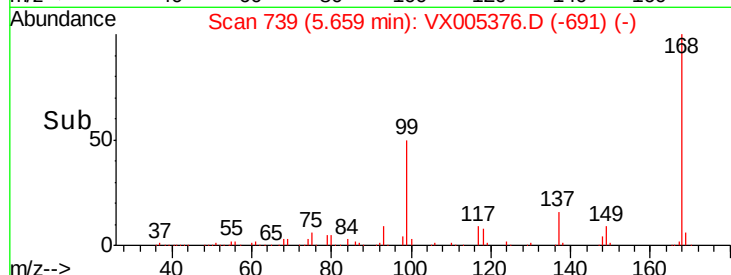
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.893 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005376.D

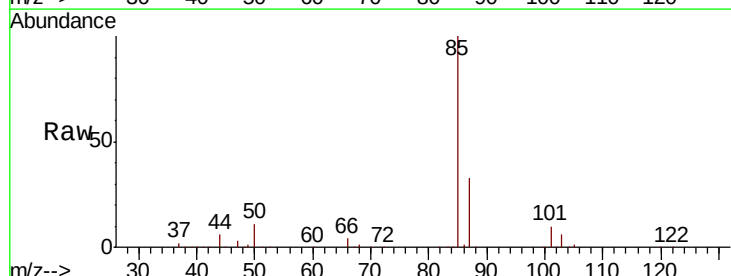
Acq: 16 Oct 2018 18:40

Tgt Ion: 85 Resp: 99602

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

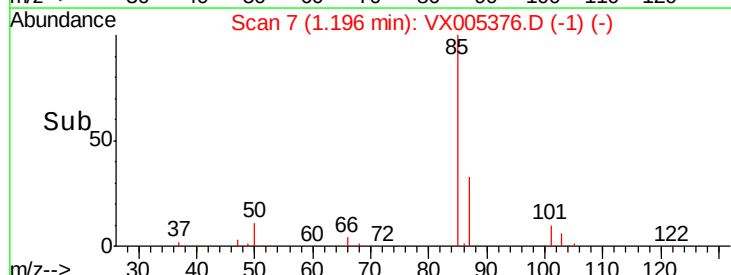
40000

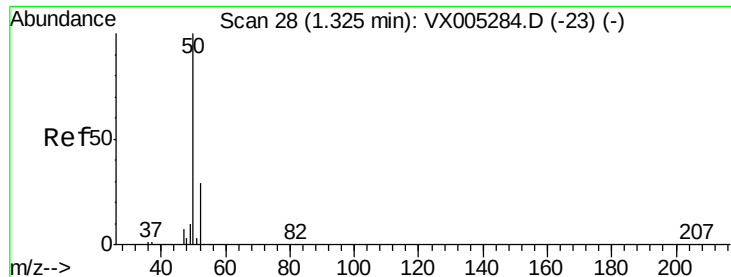
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.219 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

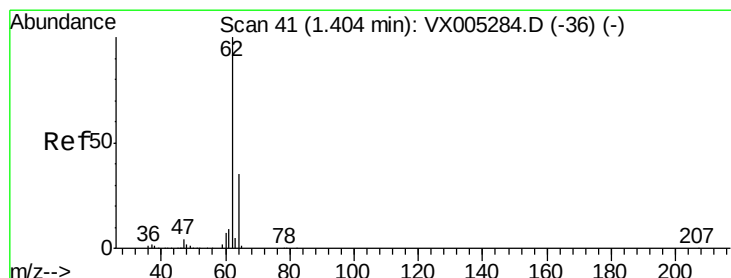
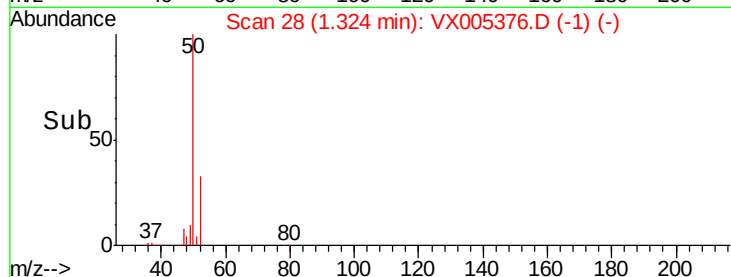
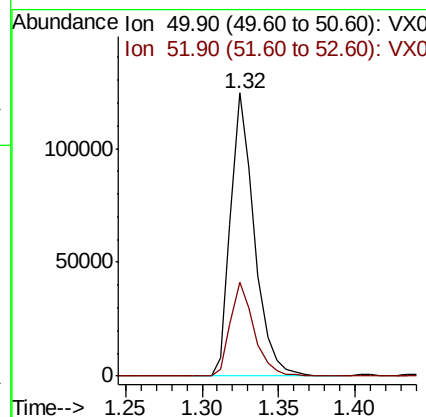
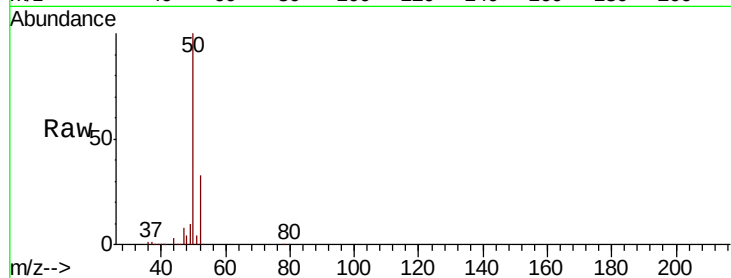
VSTDCCC050EC

Tgt Ion: 50 Resp: 133695

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2



#4

Vinyl Chloride

Concen: 48.007 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005376.D

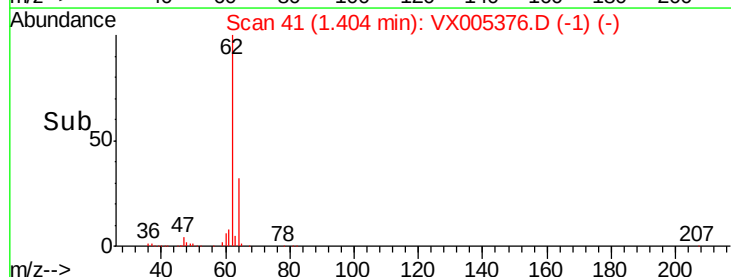
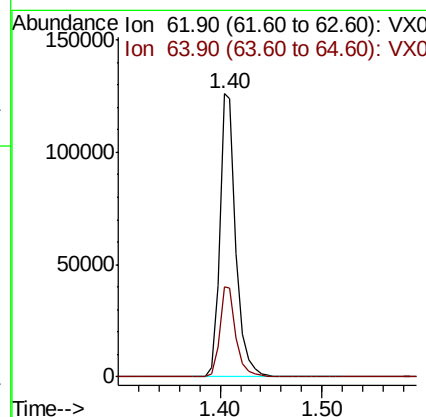
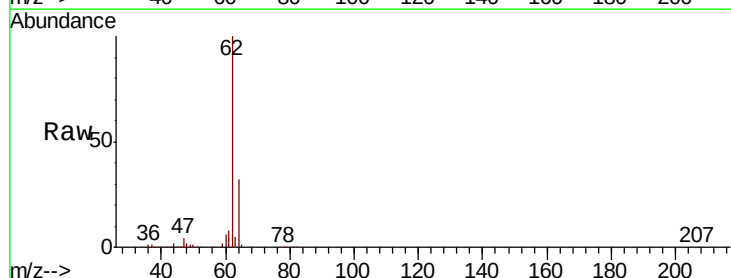
Acq: 16 Oct 2018 18:40

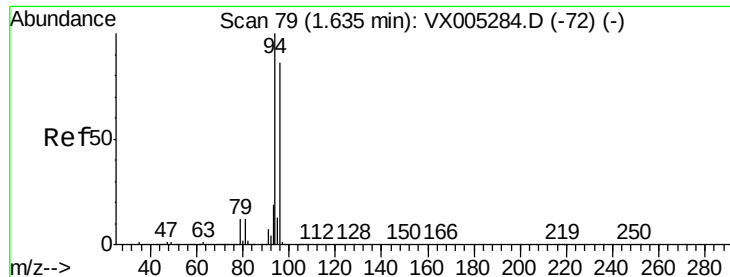
Tgt Ion: 62 Resp: 140674

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 47.626 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

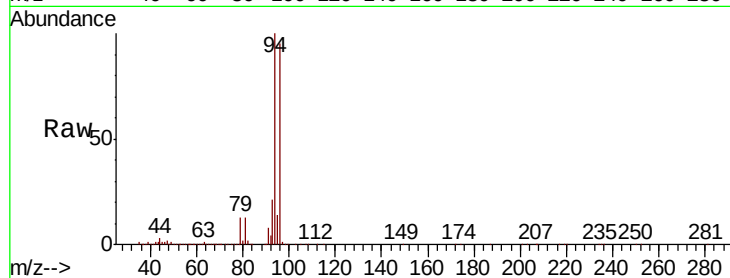
VSTDCCC050EC

Tgt Ion: 94 Resp: 78773

Ion Ratio Lower Upper

94 100

96 95.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

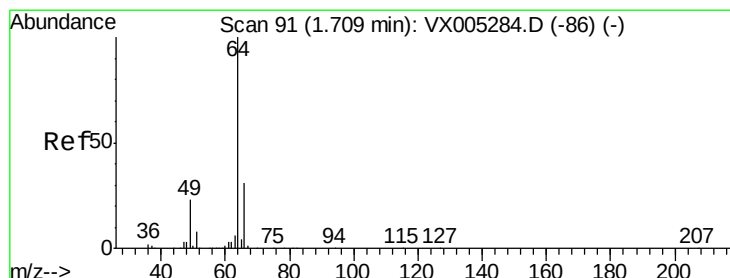
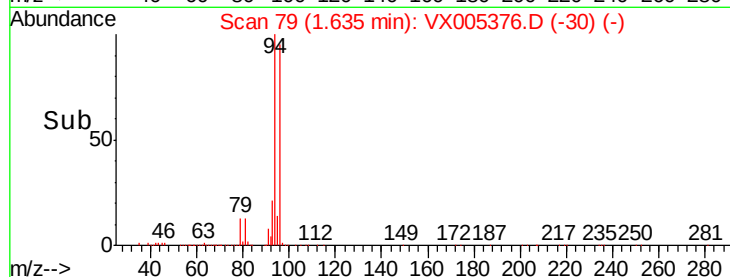
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 49.678 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005376.D

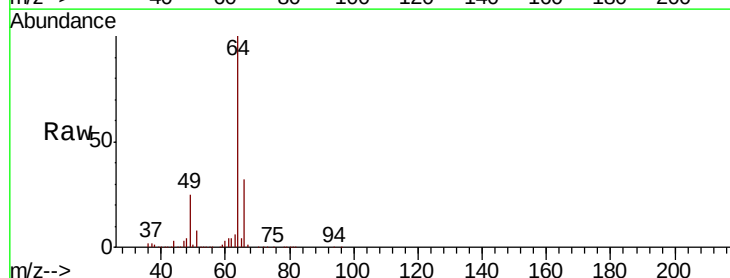
Acq: 16 Oct 2018 18:40

Tgt Ion: 64 Resp: 86034

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

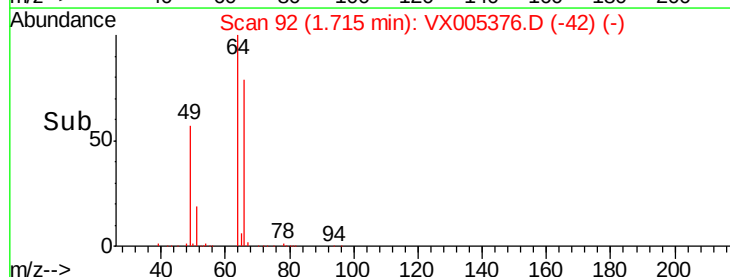
60000

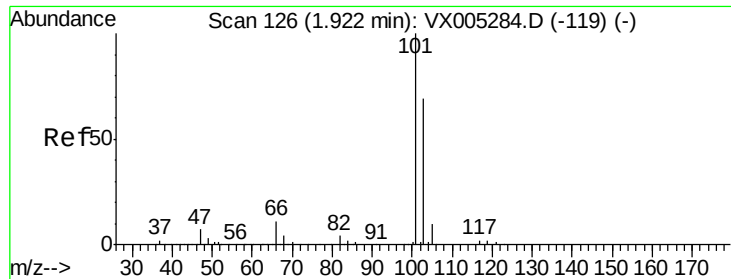
40000

20000

0

Time--> 1.65 1.70 1.75 1.80 1.85



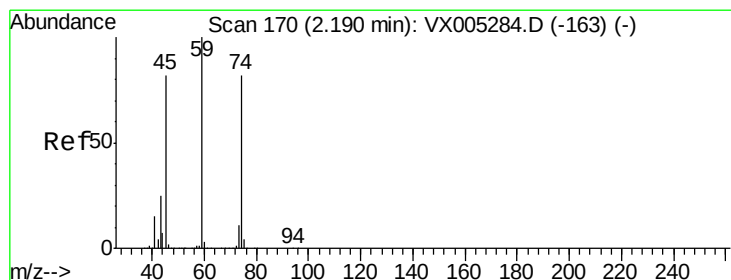
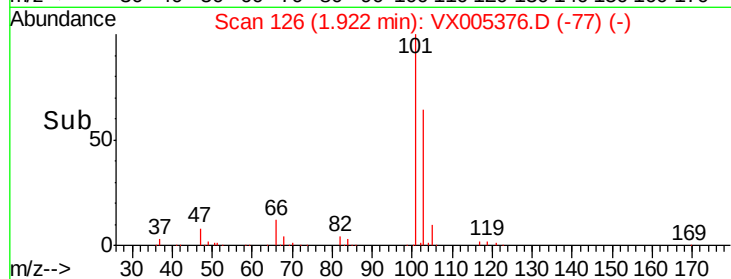
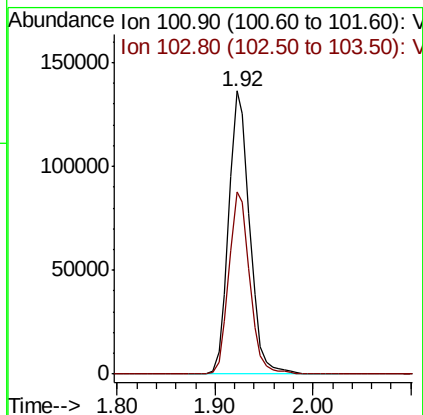
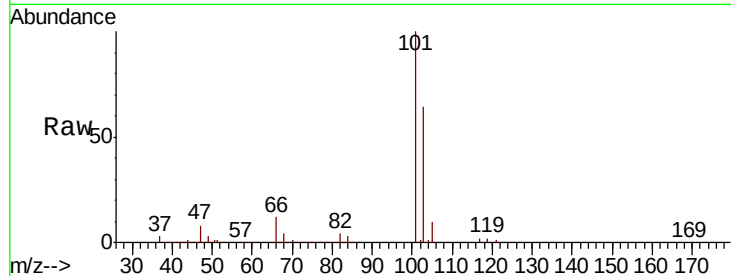


#7

Trichlorofluoromethane
 Concen: 51.799 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

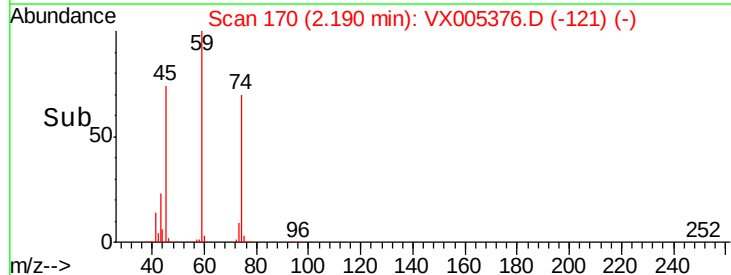
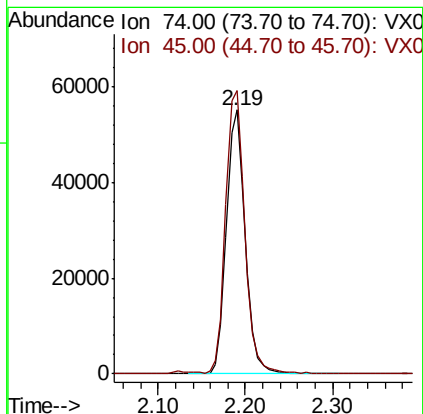
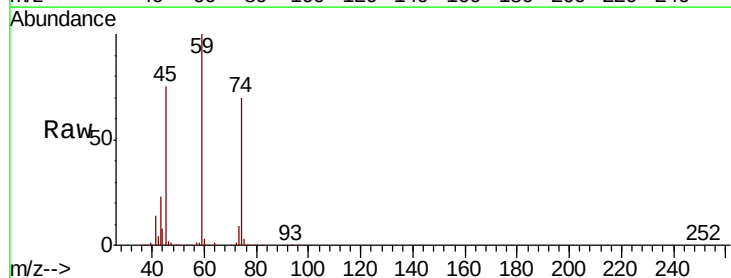
Tgt Ion:101 Resp: 202556
 Ion Ratio Lower Upper
 101 100
 103 64.2 48.9 73.3

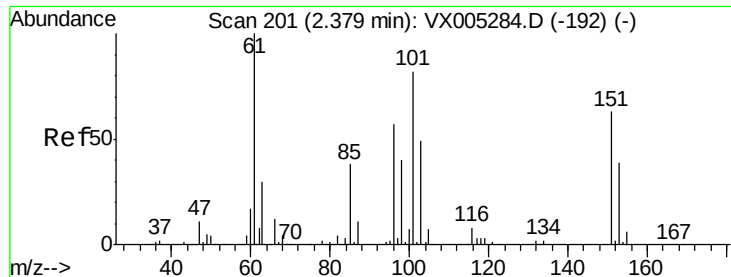


#8

Diethyl Ether
 Concen: 49.120 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 74 Resp: 82023
 Ion Ratio Lower Upper
 74 100
 45 108.2 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.169 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

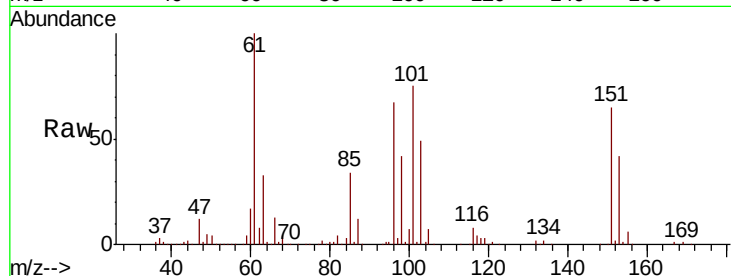
Tgt Ion:101 Resp: 117746

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.4

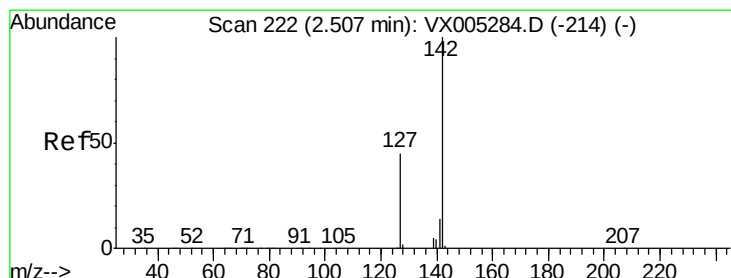
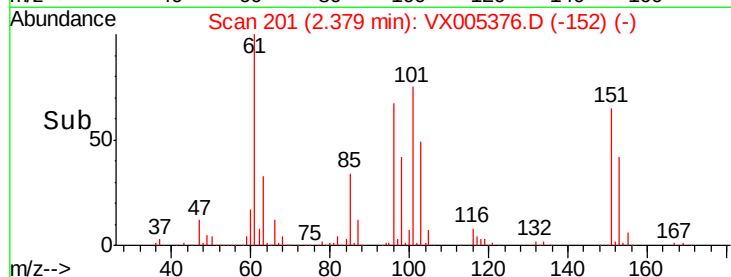
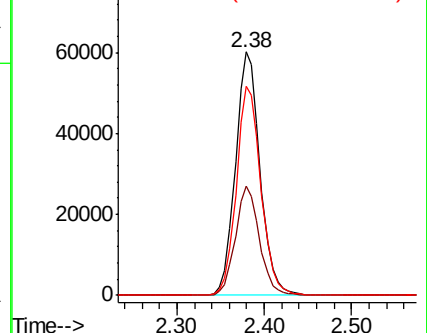
151 86.1 65.0 97.6



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: 56.807 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

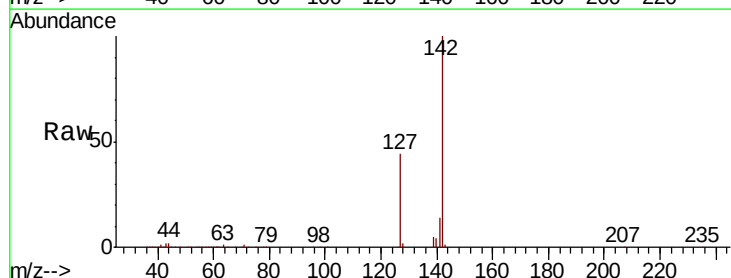
Tgt Ion:142 Resp: 141467

Ion Ratio Lower Upper

142 100

127 43.1 33.8 50.6

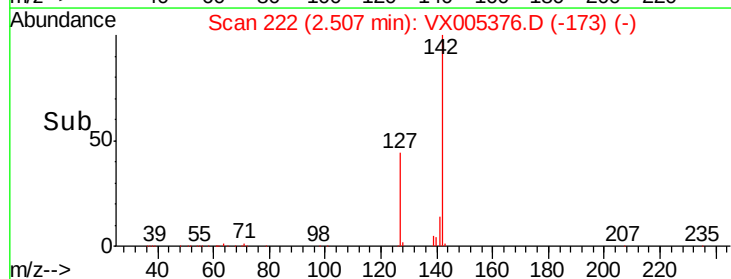
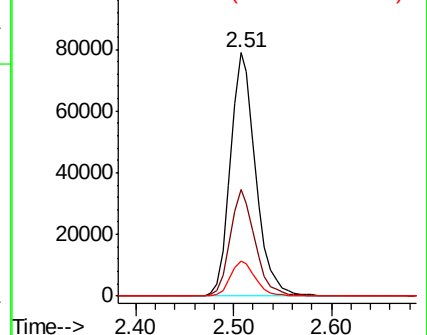
141 14.2 11.4 17.0

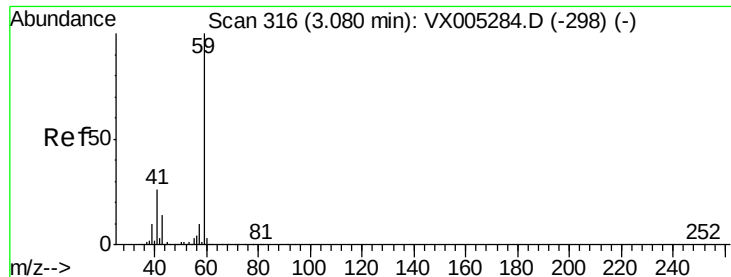


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

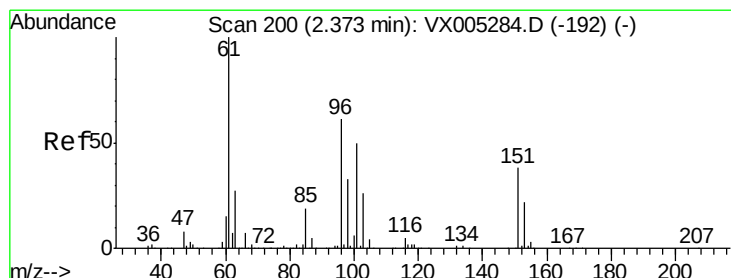
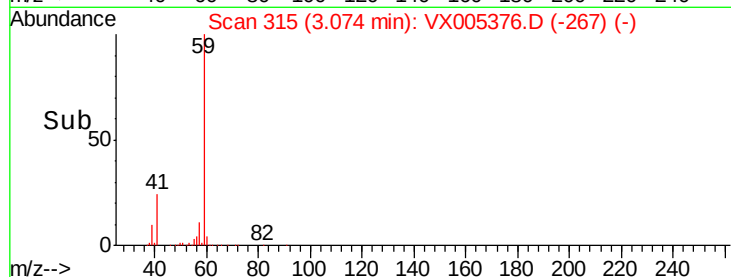
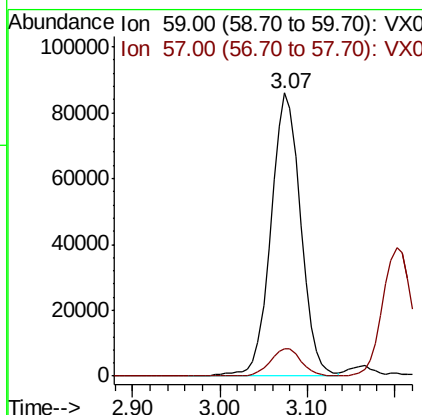
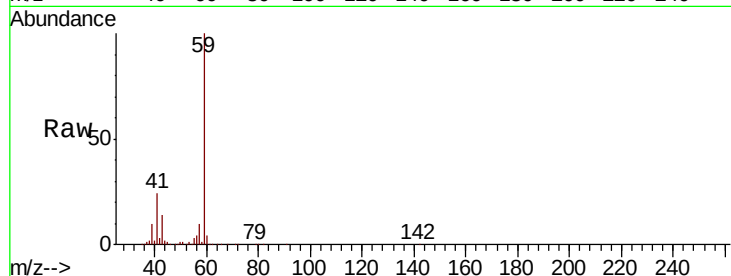




#11
Tert butyl alcohol
Concen: 254.769 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

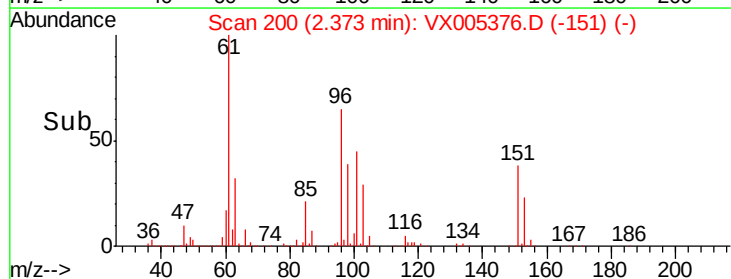
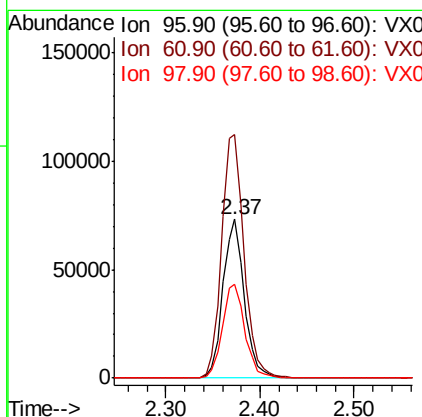
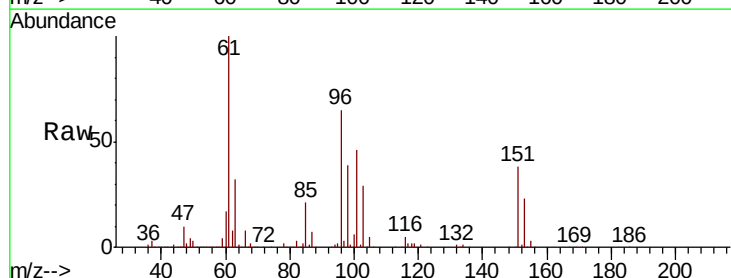
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

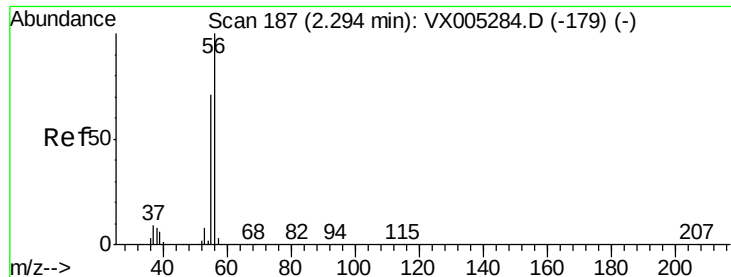
Tgt Ion: 59 Resp: 203648
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 51.364 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 96 Resp: 114861
Ion Ratio Lower Upper
96 100
61 153.1 128.8 193.2
98 59.4 52.2 78.2





#13

Acrolein

Concen: 198.700 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

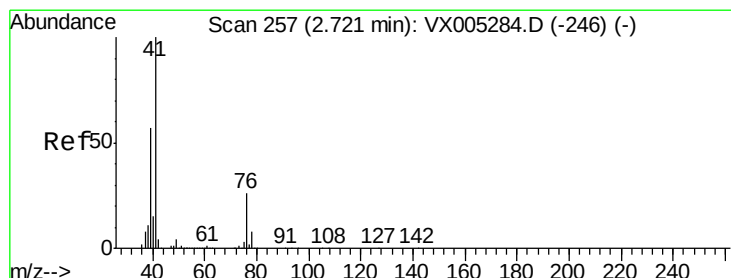
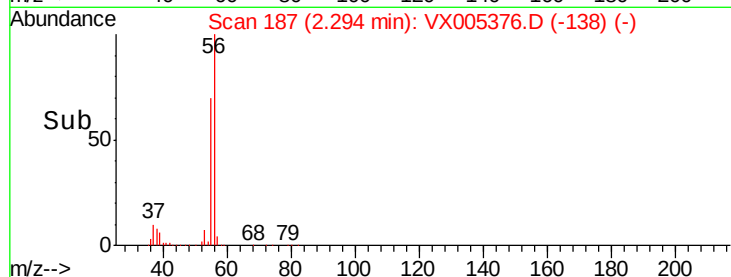
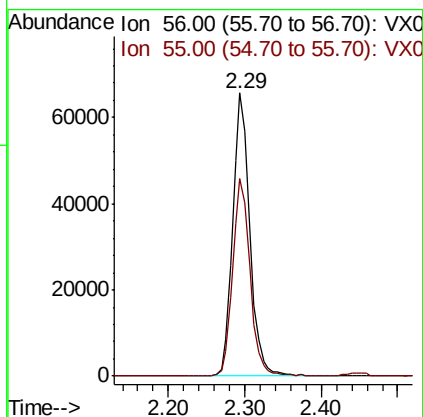
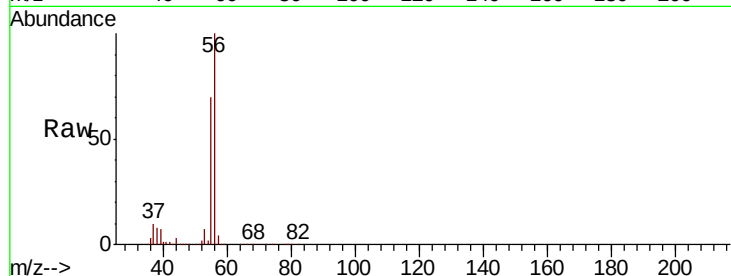
VSTDCCC050EC

Tgt Ion: 56 Resp: 101579

Ion Ratio Lower Upper

56 100

55 71.2 54.7 82.1



#14

Allyl chloride

Concen: 49.008 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

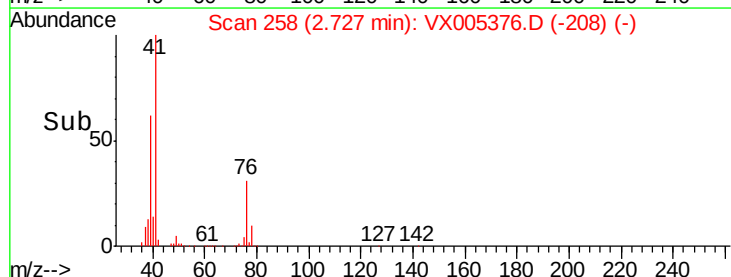
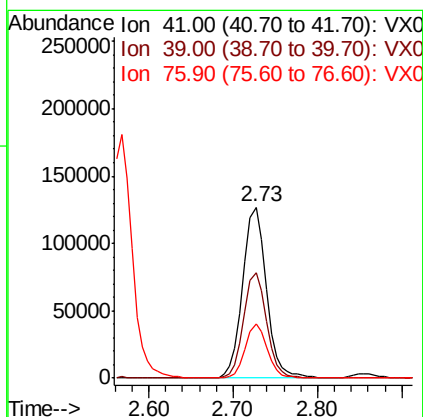
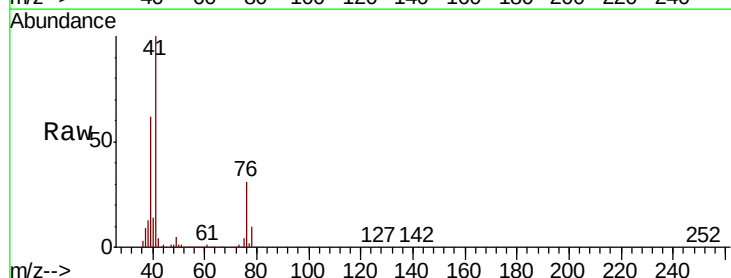
Tgt Ion: 41 Resp: 240612

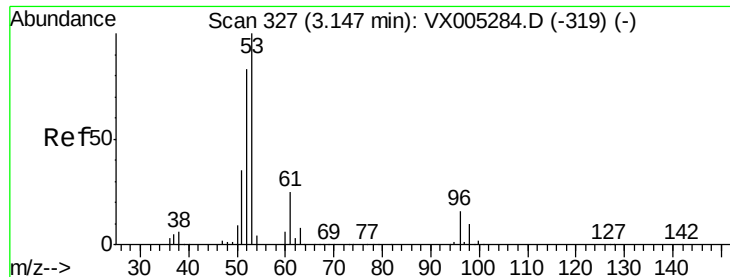
Ion Ratio Lower Upper

41 100

39 59.5 48.9 73.3

76 29.1 26.7 40.1





#15

Acrylonitrile

Concen: 243.884 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

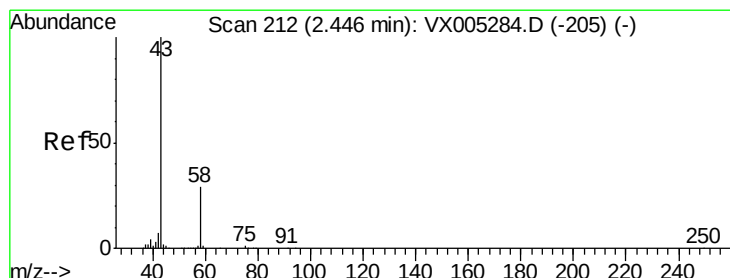
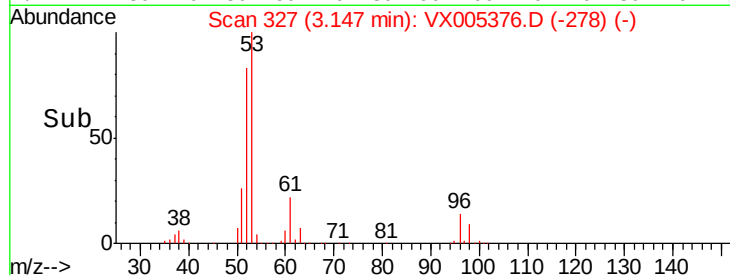
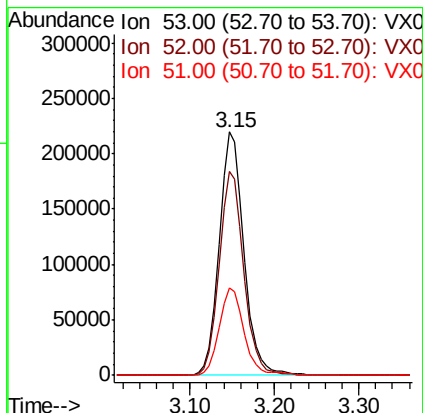
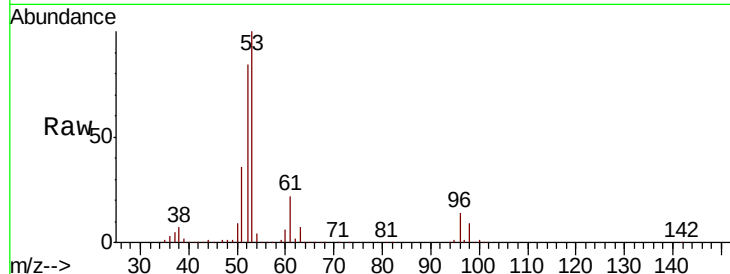
Tgt Ion: 53 Resp: 441765

Ion Ratio Lower Upper

53 100

52 83.3 65.2 97.8

51 36.4 28.2 42.2



#16

Acetone

Concen: 242.368 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005376.D

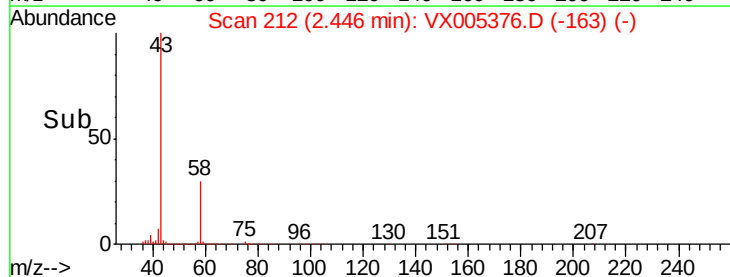
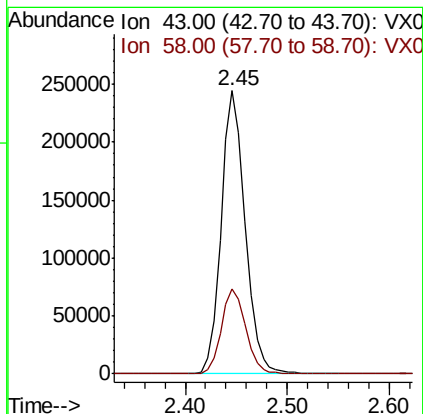
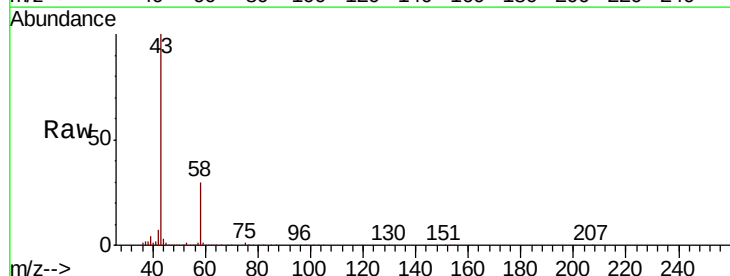
Acq: 16 Oct 2018 18:40

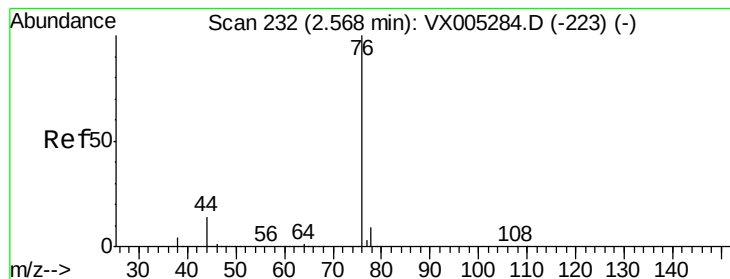
Tgt Ion: 43 Resp: 397099

Ion Ratio Lower Upper

43 100

58 30.0 26.2 39.4





#17

Carbon Disulfide

Concen: 46.044 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

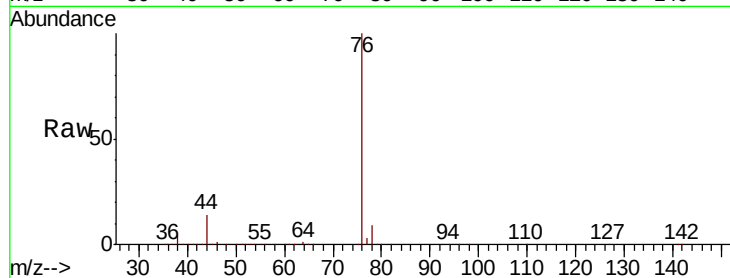
VSTDCCC050EC

Tgt Ion: 76 Resp: 311912

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

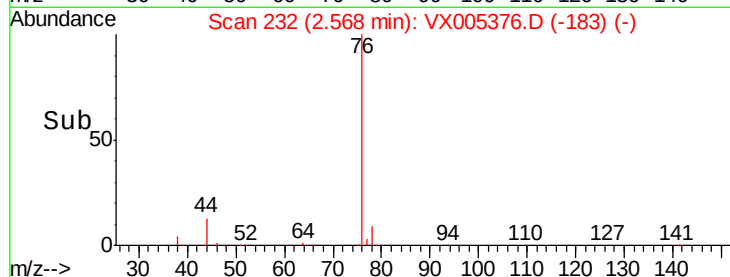
150000

100000

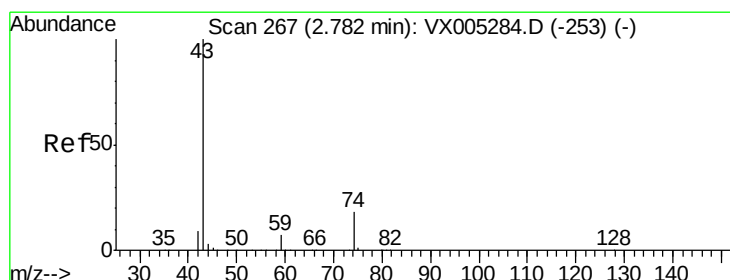
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 50.851 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005376.D

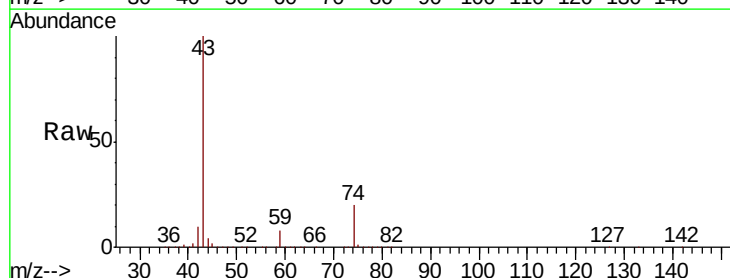
Acq: 16 Oct 2018 18:40

Tgt Ion: 43 Resp: 237028

Ion Ratio Lower Upper

43 100

74 21.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

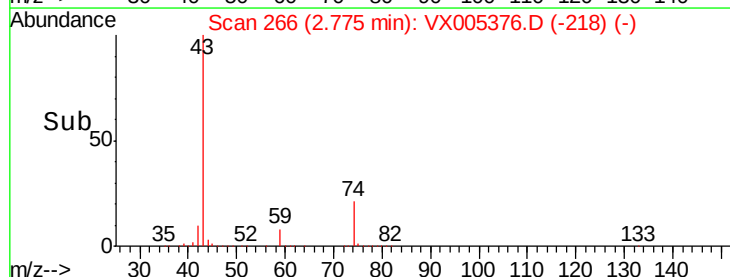
150000

100000

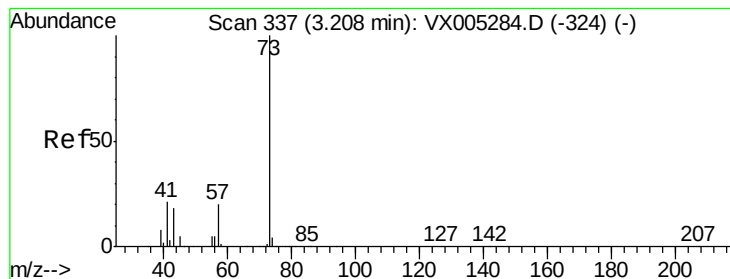
50000

0

Time-->



Time-->



#19

Methyl tert-butyl Ether

Concen: 51.483 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

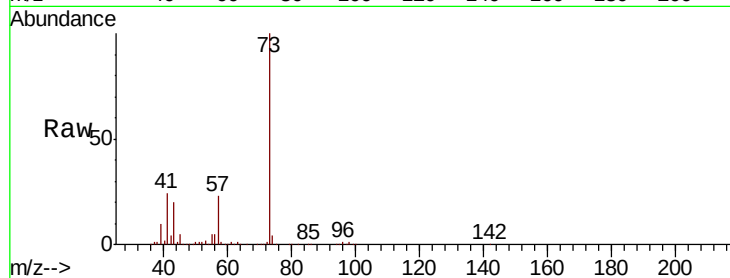
VSTDCCC050EC

Tgt Ion: 73 Resp: 405469

Ion Ratio Lower Upper

73 100

57 22.5 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

200000

150000

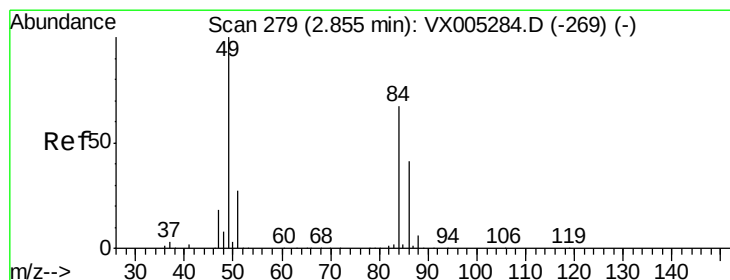
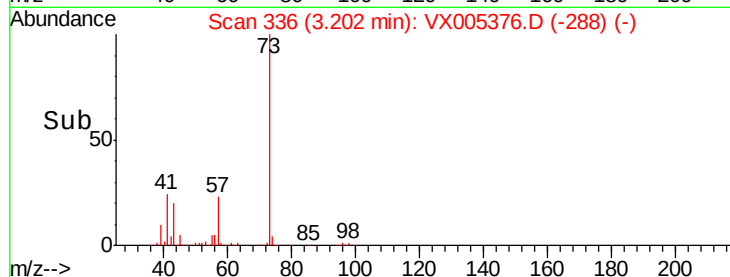
100000

50000

0

3.10 3.20 3.30 3.40

Time-->



#20

Methylene Chloride

Concen: 53.280 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Tgt Ion: 84 Resp: 126990

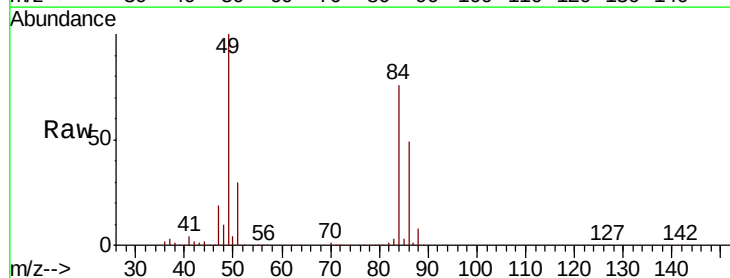
Ion Ratio Lower Upper

84 100

49 131.7 101.2 151.8

51 39.0 29.5 44.3

86 65.1 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

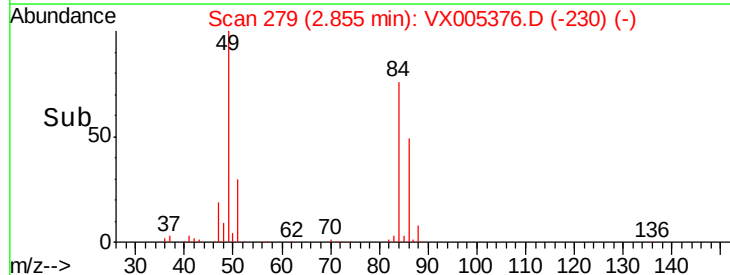
100000

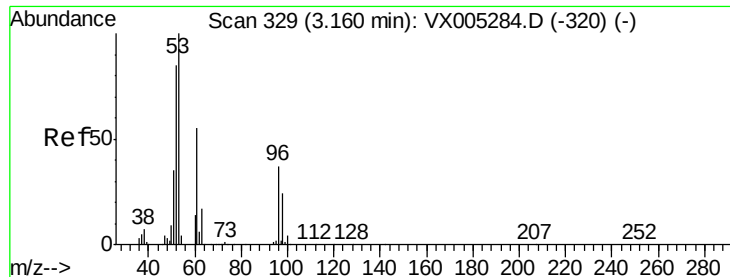
50000

0

2.80 2.85 2.90 3.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.680 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

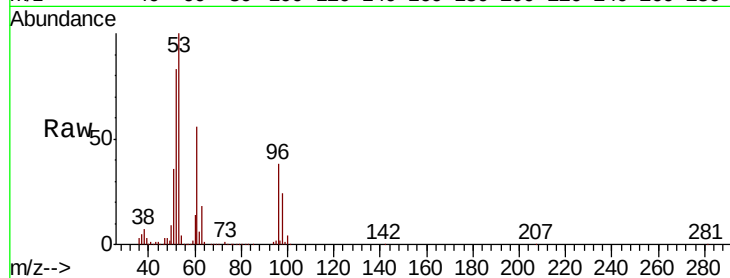
Tgt Ion: 96 Resp: 118160

Ion Ratio Lower Upper

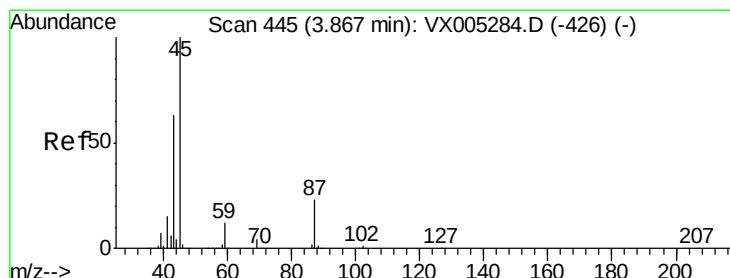
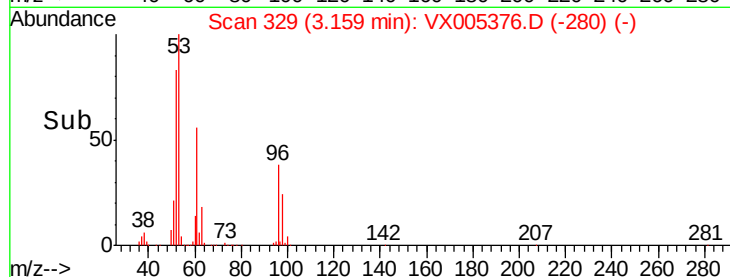
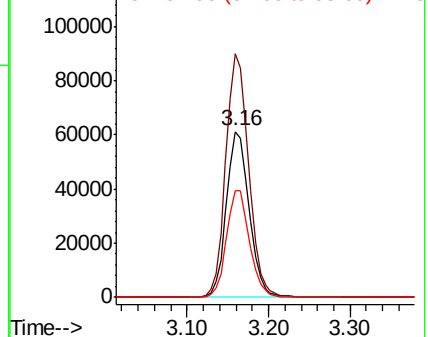
96 100

61 146.7 113.8 170.6

98 64.1 51.8 77.8



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



#22

Diisopropyl ether

Concen: 47.824 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Tgt Ion: 45 Resp: 394374

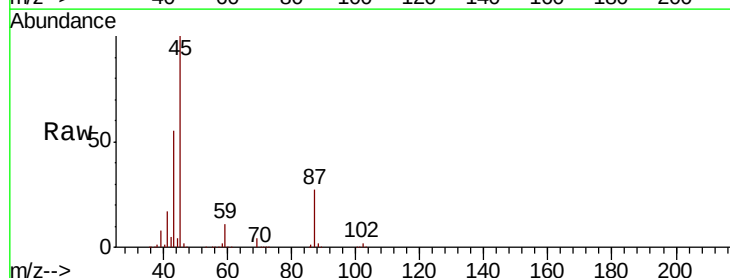
Ion Ratio Lower Upper

45 100

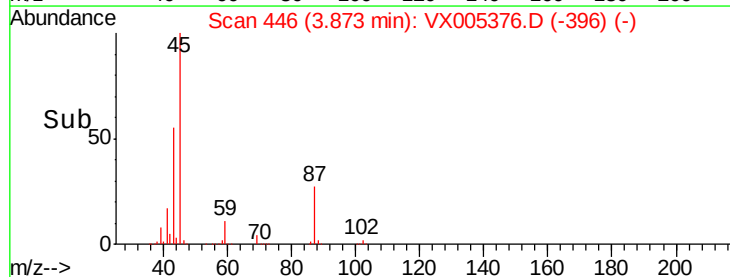
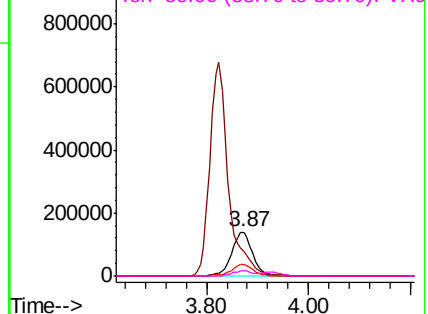
43 55.2 42.8 64.2

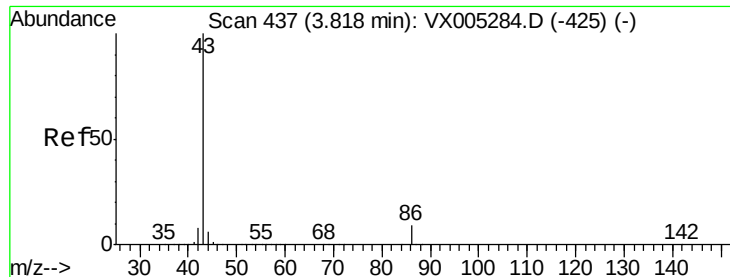
87 26.6 22.6 34.0

59 11.2 9.6 14.4



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





#23

Vinyl Acetate

Concen: 238.657 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

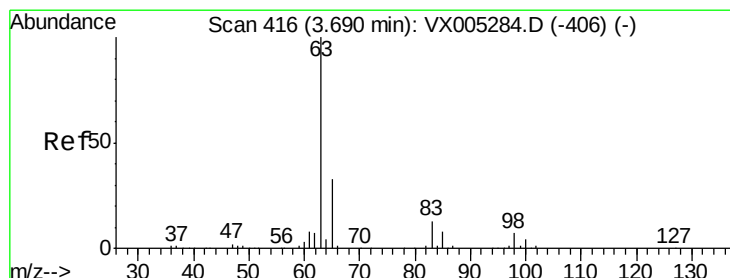
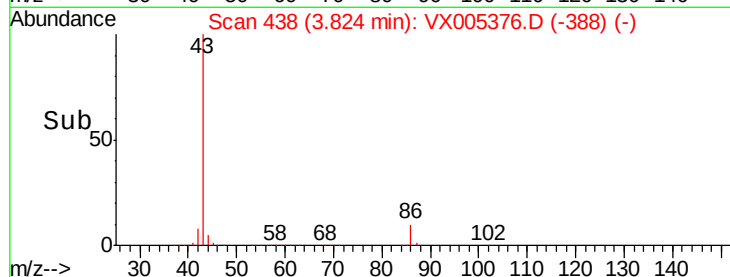
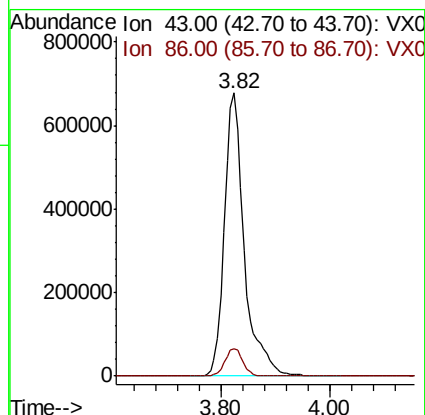
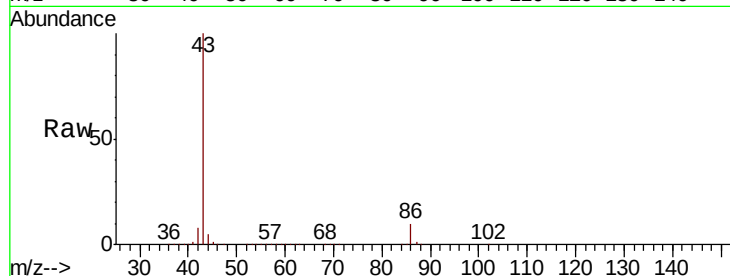
VSTDCCC050EC

Tgt Ion: 43 Resp: 1720151

Ion Ratio Lower Upper

43 100

86 9.8 8.9 13.3



#24

1,1-Dichloroethane

Concen: 50.134 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

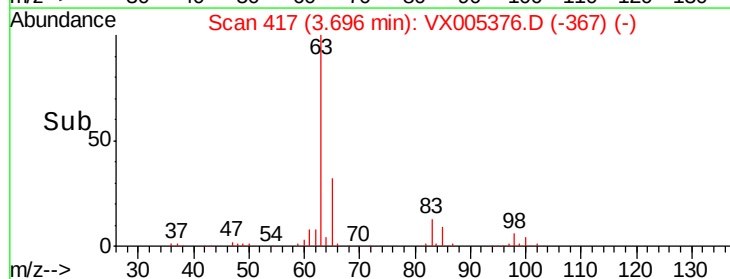
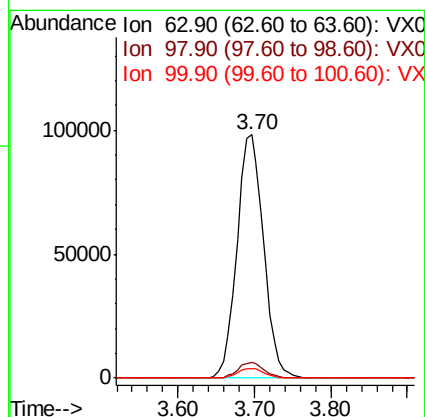
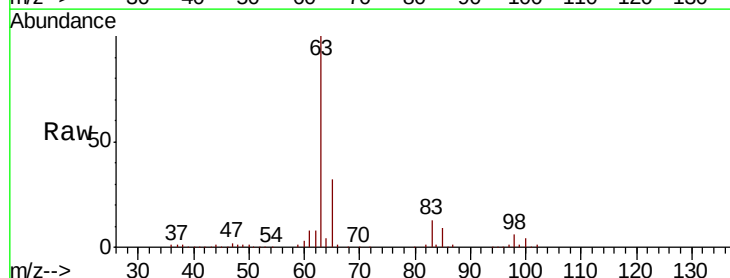
Tgt Ion: 63 Resp: 236938

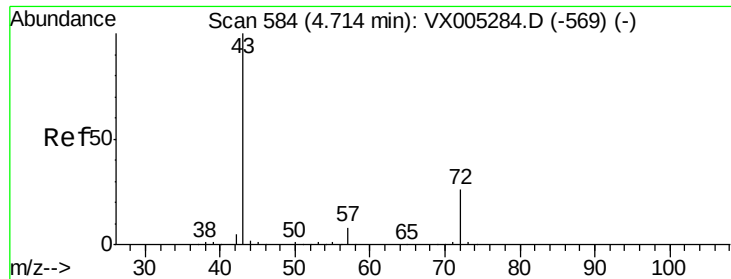
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 240.049 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

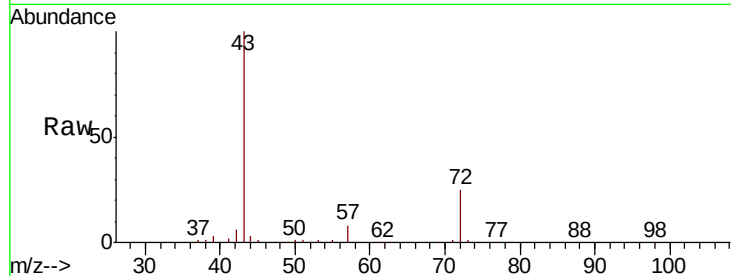
VSTDCCC050EC

Tgt Ion: 43 Resp: 575443

Ion Ratio Lower Upper

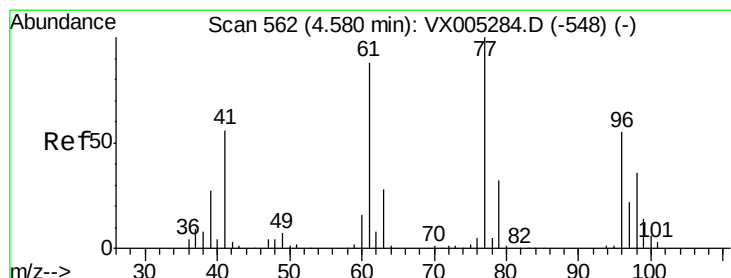
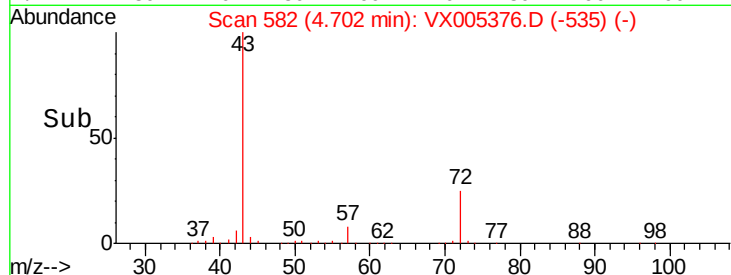
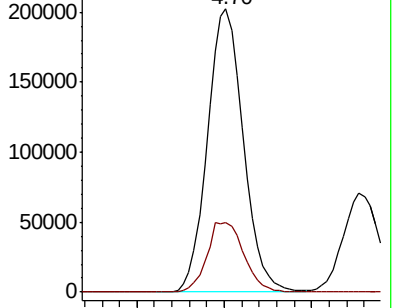
43 100

72 24.5 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.738 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005376.D

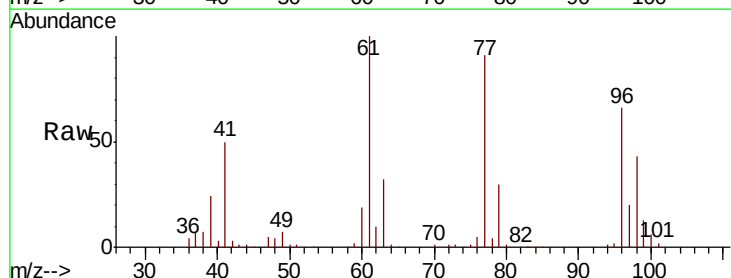
Acq: 16 Oct 2018 18:40

Tgt Ion: 77 Resp: 168736

Ion Ratio Lower Upper

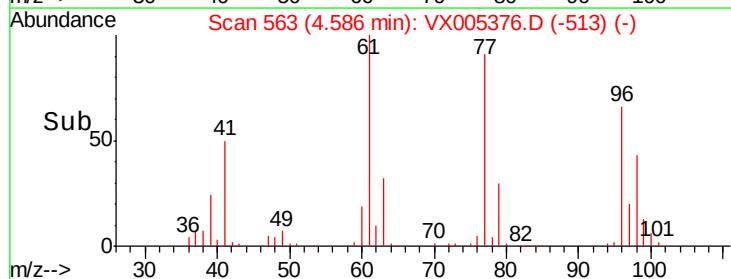
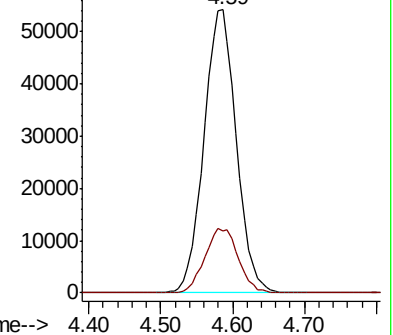
77 100

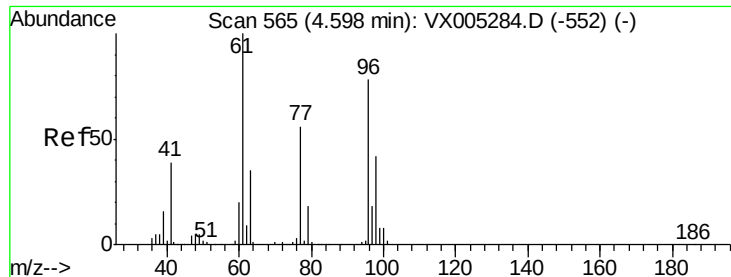
97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



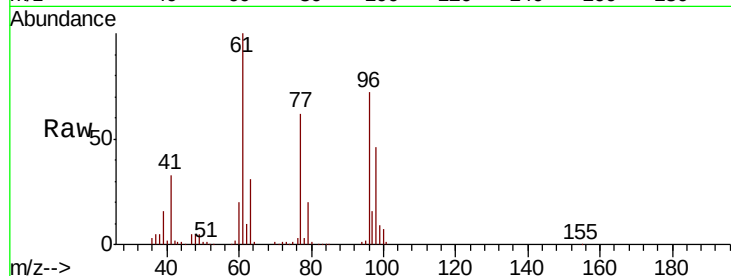


#27

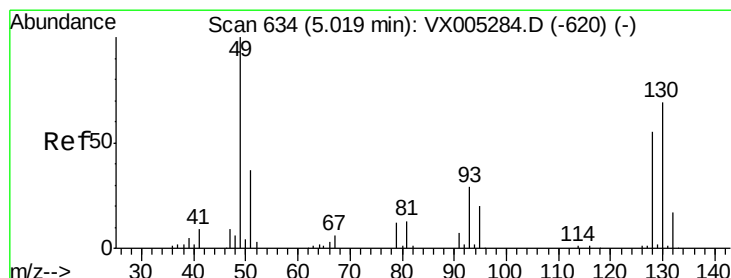
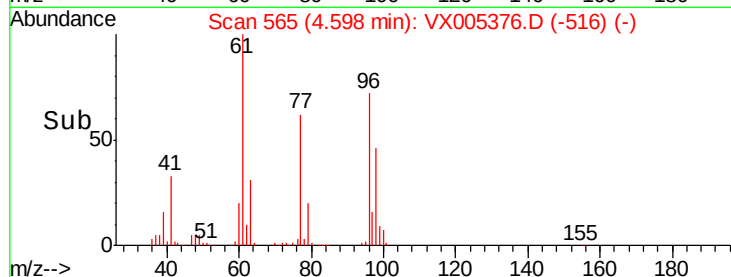
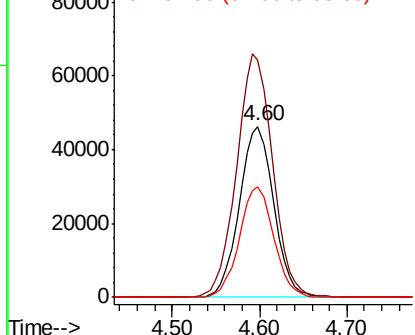
cis-1,2-Dichloroethene
Concen: 47.145 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 126974
Ion Ratio Lower Upper
96 100
61 148.8 0.0 282.6
98 64.7 0.0 130.2



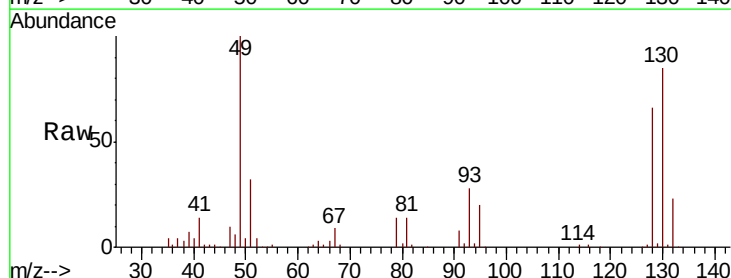
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



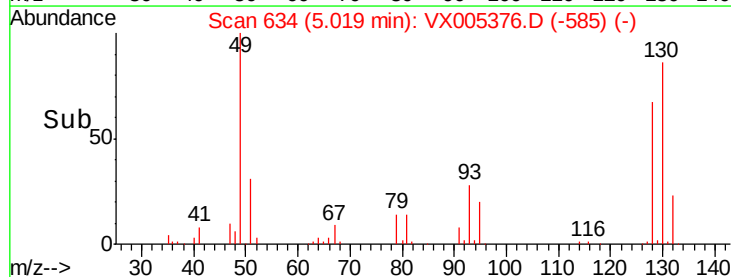
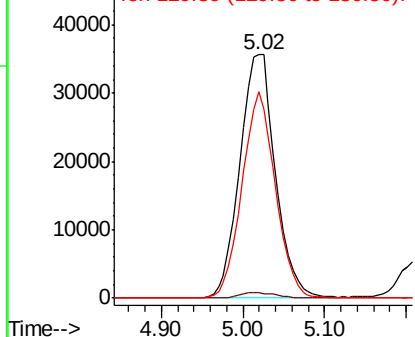
#28

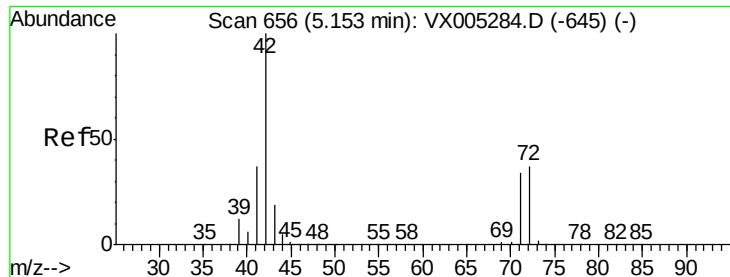
Bromochloromethane
Concen: 50.302 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 49 Resp: 108376
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 79.0 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 240.152 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

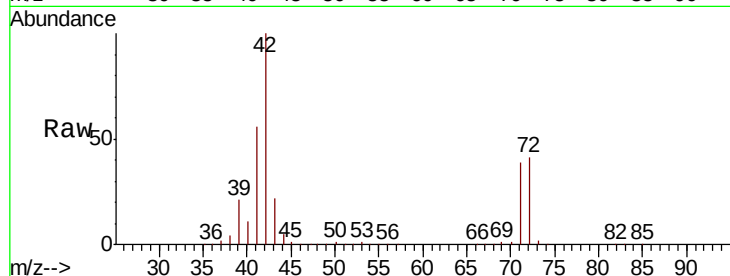
Tgt Ion: 42 Resp: 367217

Ion Ratio Lower Upper

42 100

72 42.3 37.4 56.0

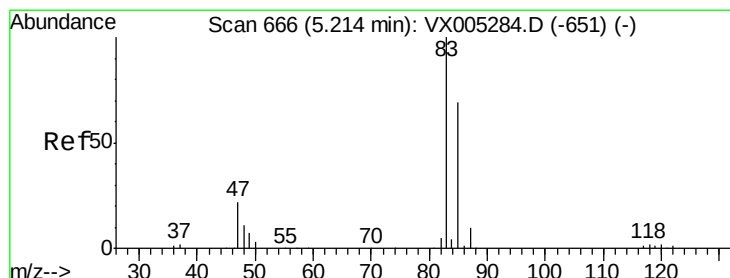
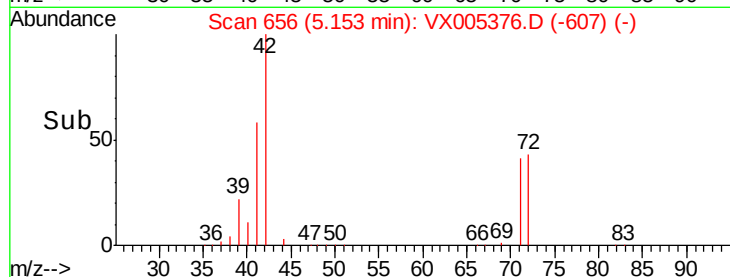
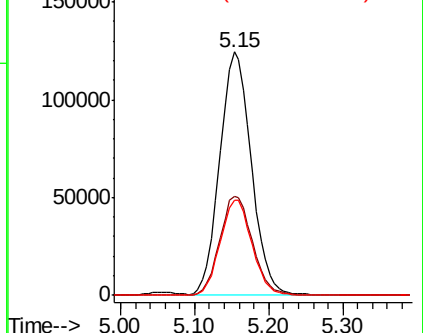
71 39.6 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 49.125 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005376.D

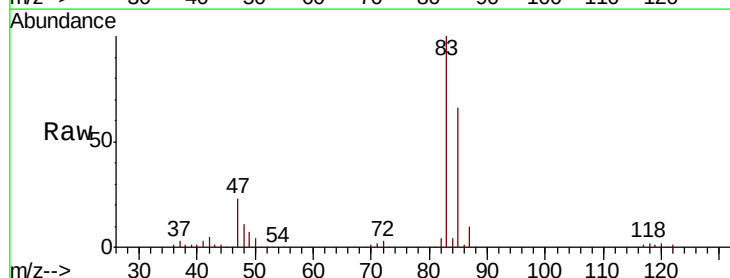
Acq: 16 Oct 2018 18:40

Tgt Ion: 83 Resp: 215495

Ion Ratio Lower Upper

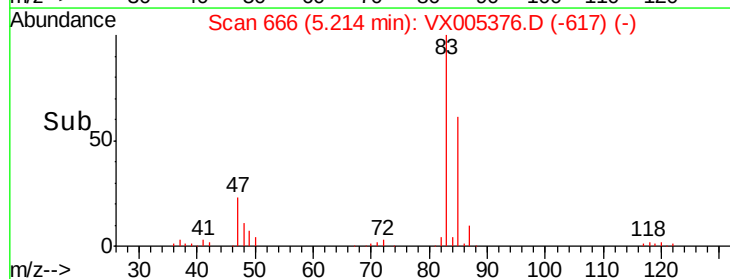
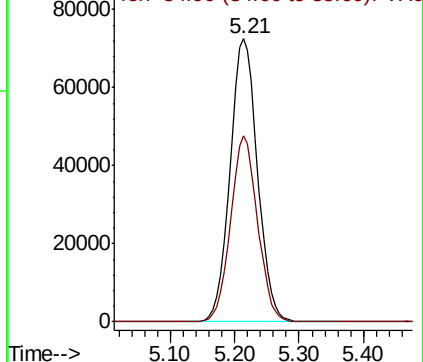
83 100

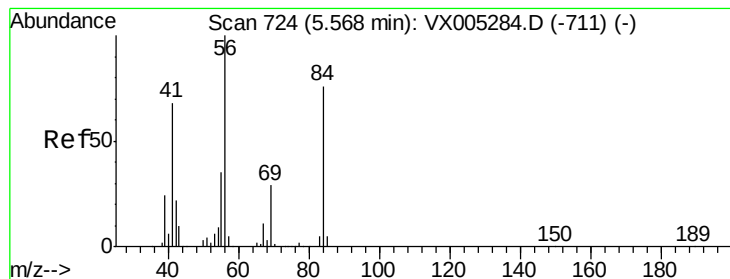
85 65.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.656 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

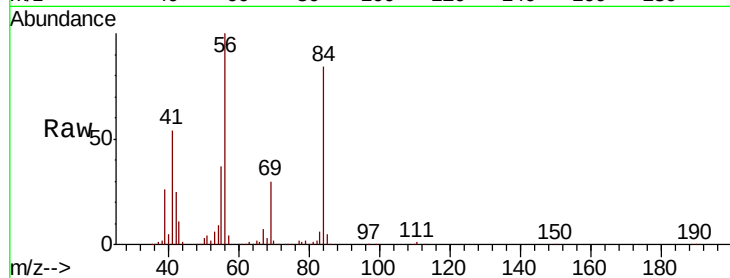
Tgt Ion: 56 Resp: 189530

Ion Ratio Lower Upper

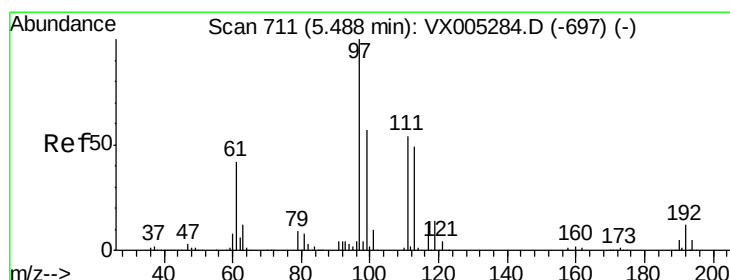
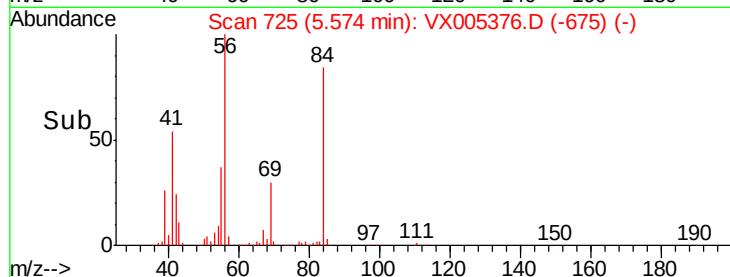
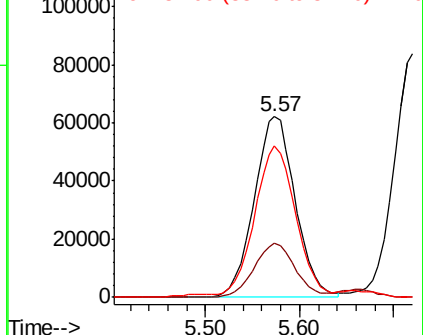
56 100

69 30.1 25.4 38.2

84 82.2 71.4 107.2



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: 49.678 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

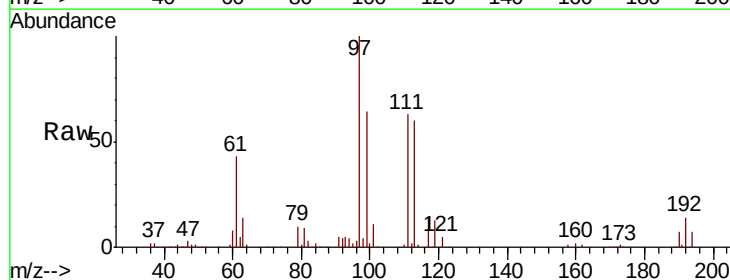
Tgt Ion: 97 Resp: 189619

Ion Ratio Lower Upper

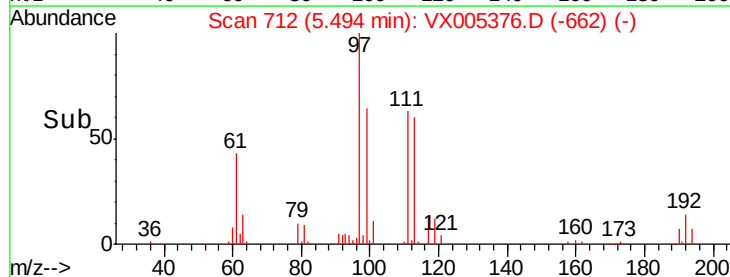
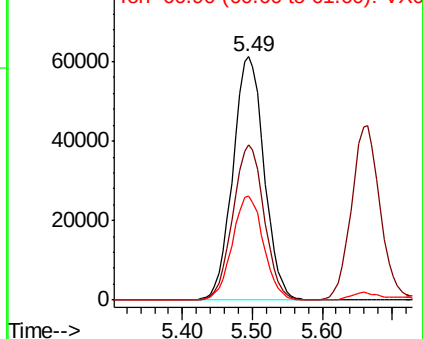
97 100

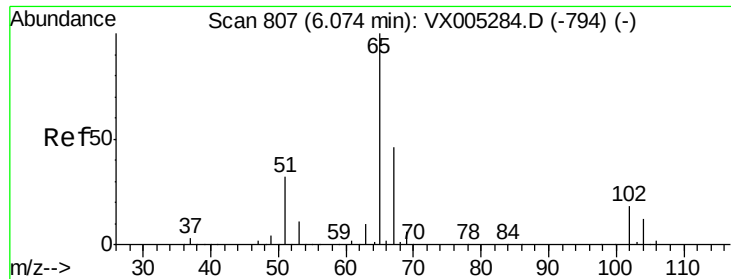
99 63.8 52.0 78.0

61 43.0 34.9 52.3



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

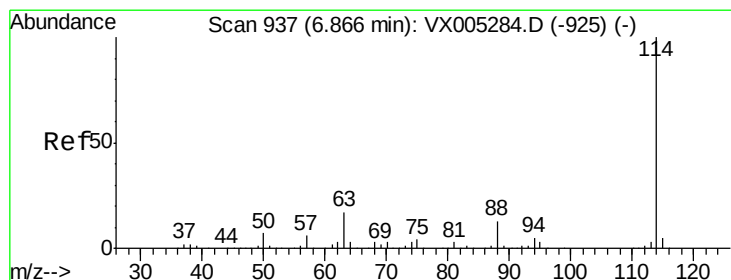
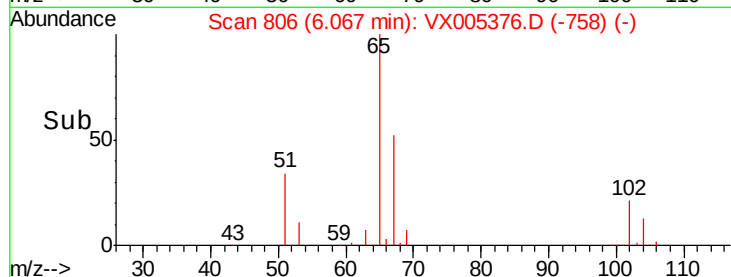
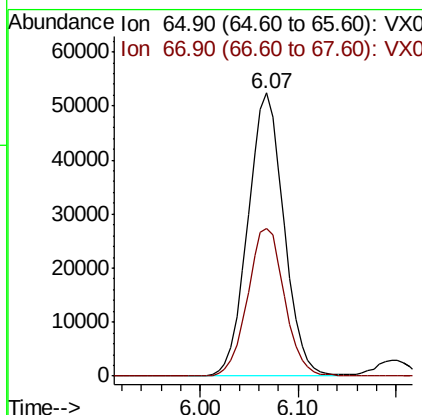
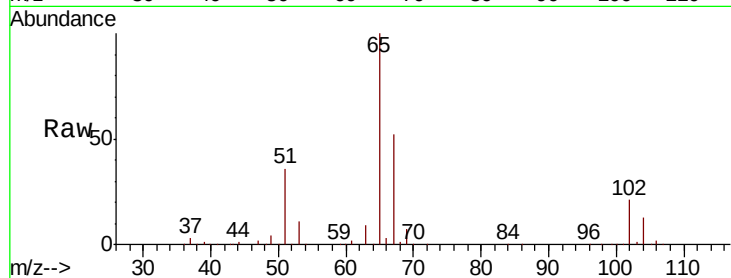




#33
 1,2-Dichloroethane-d4
 Concen: 47.487 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

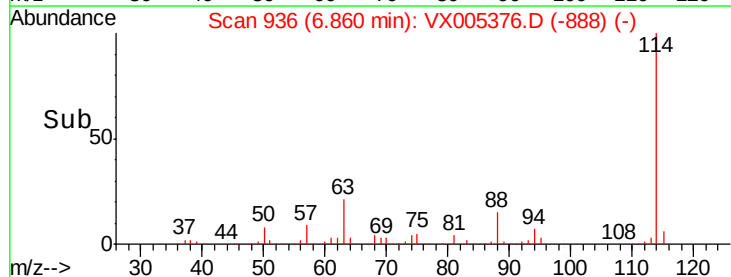
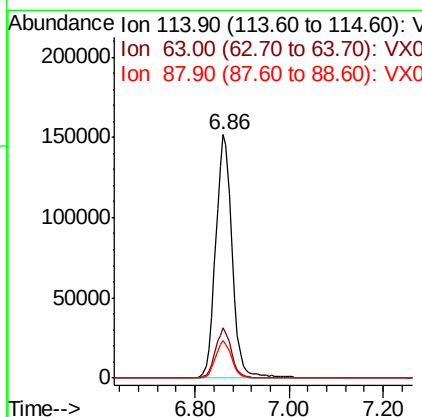
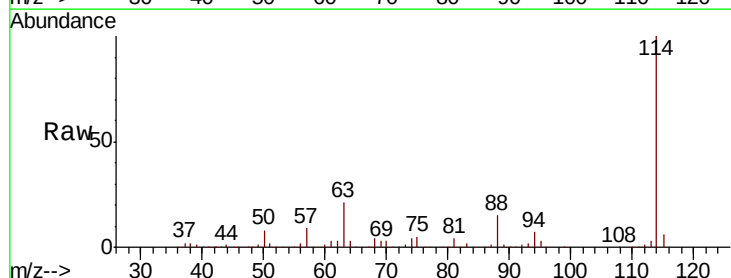
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

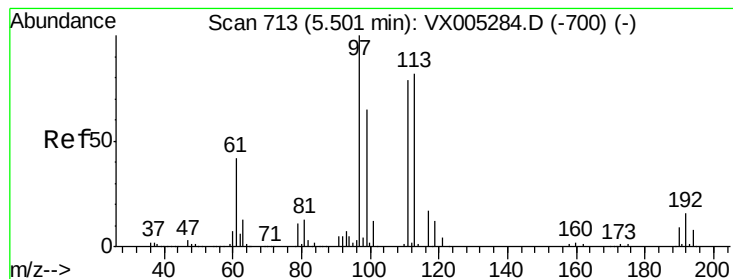
Tgt Ion: 65 Resp: 134564
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 114 Resp: 366524
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.0
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 46.096 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

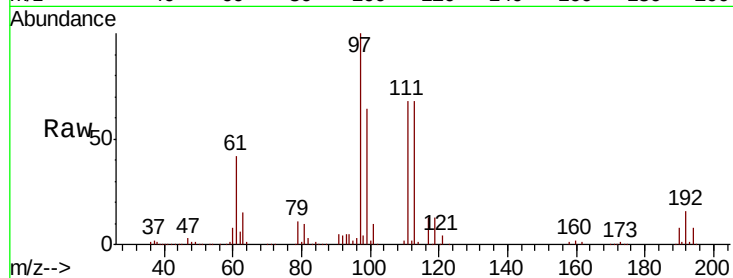
Tgt Ion:113 Resp: 111902

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

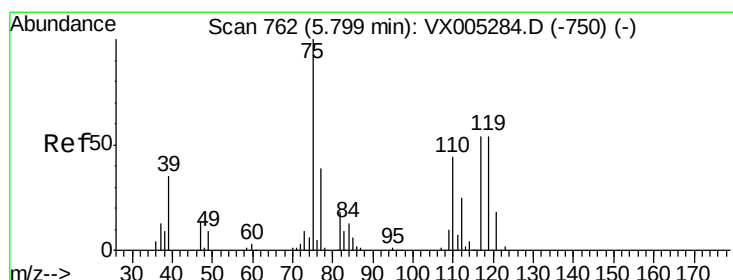
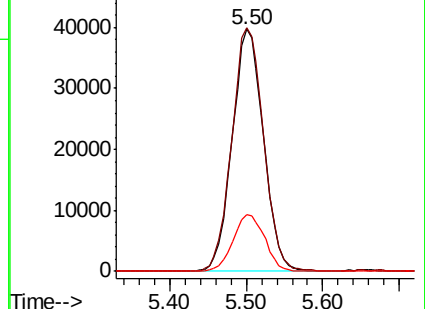
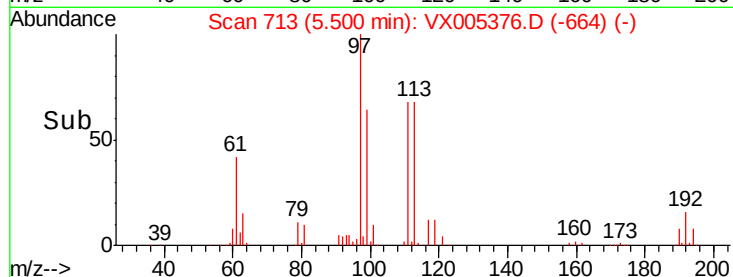
192 23.9 19.4 29.2



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: 45.253 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

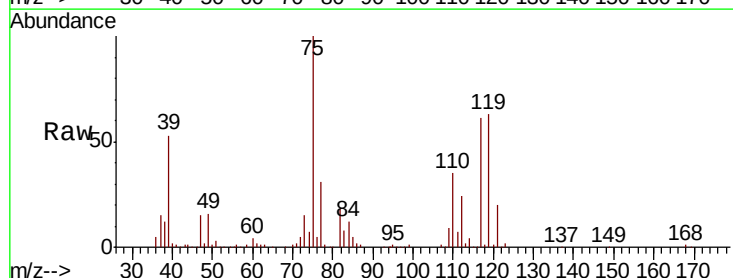
Tgt Ion: 75 Resp: 160639

Ion Ratio Lower Upper

75 100

110 37.0 18.0 54.0

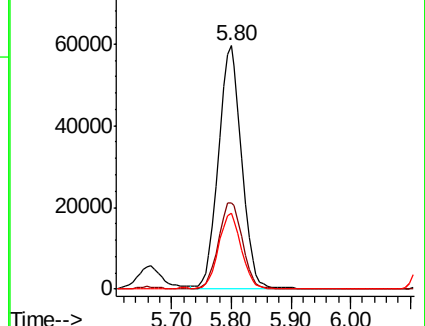
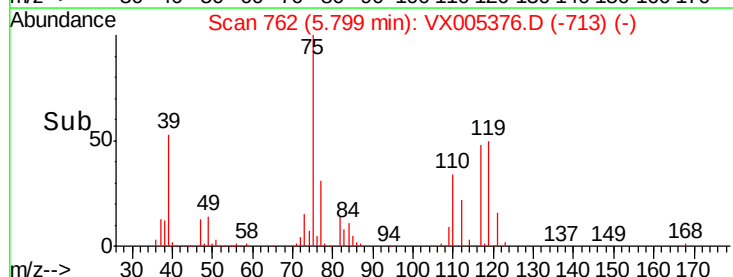
77 31.0 24.6 36.8

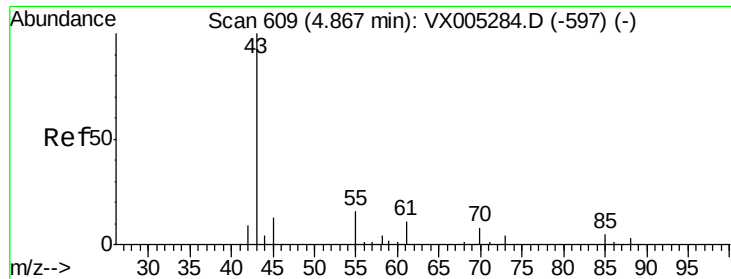


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

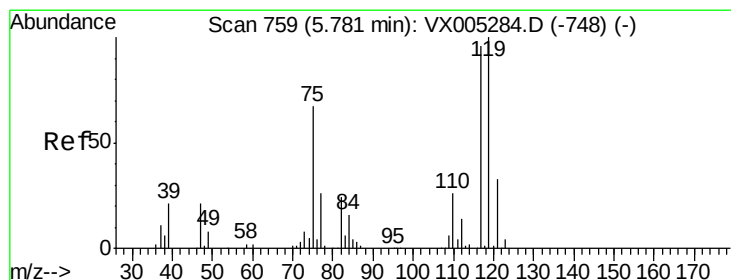
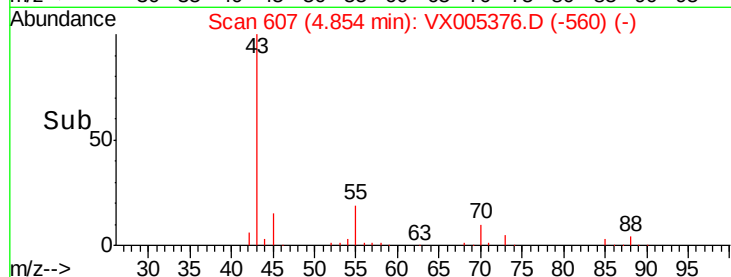
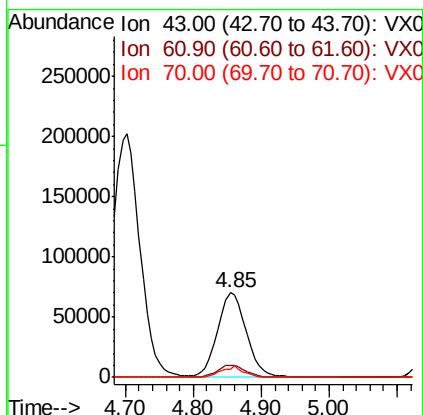
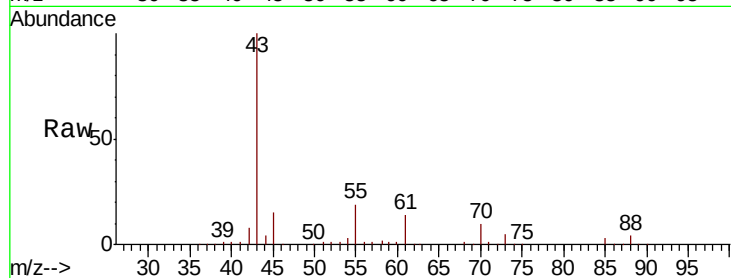




#37
 Ethyl Acetate
 Concen: 45.288 ug/l
 RT: 4.85 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

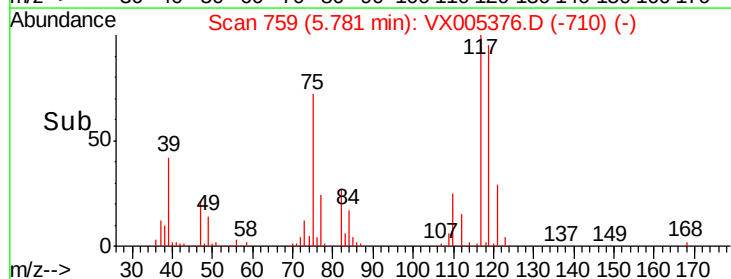
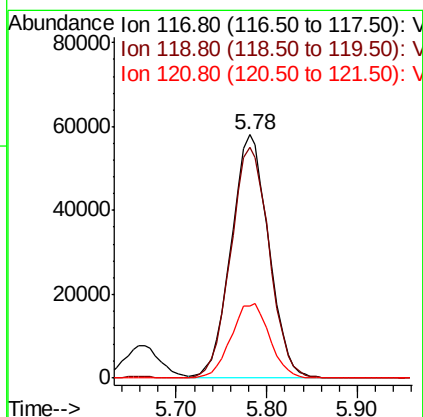
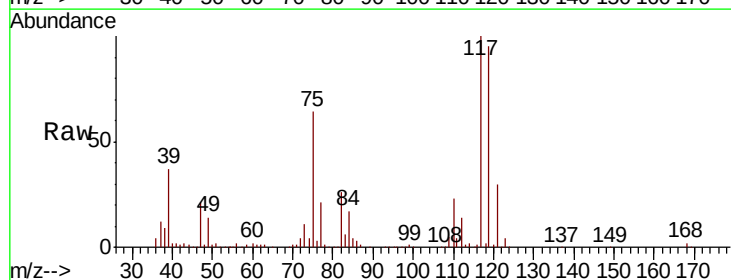
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

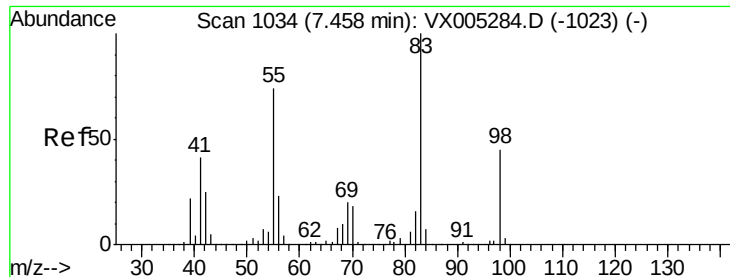
Tgt Ion: 43 Resp: 206743
 Ion Ratio Lower Upper
 43 100
 61 14.0 11.5 17.3
 70 10.8 9.0 13.6



#38
 Carbon Tetrachloride
 Concen: 46.682 ug/l
 RT: 5.78 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 117 Resp: 166504
 Ion Ratio Lower Upper
 117 100
 119 95.0 78.8 118.2
 121 29.6 24.9 37.3

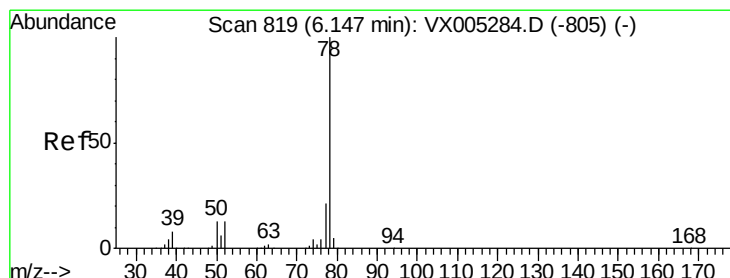
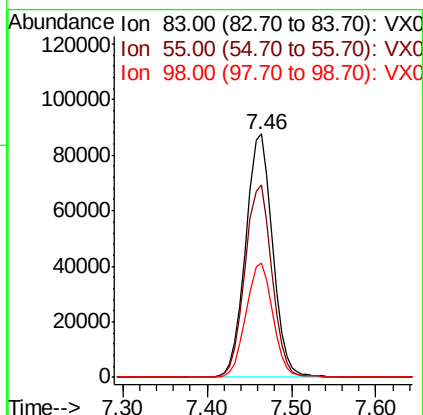
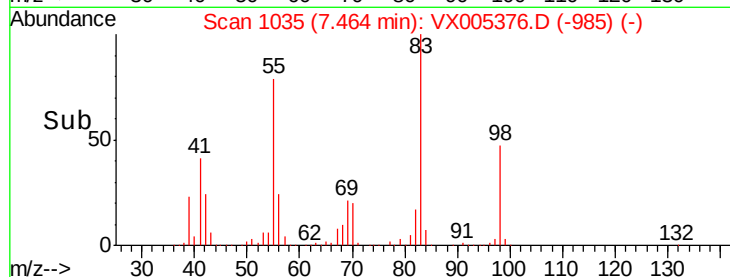
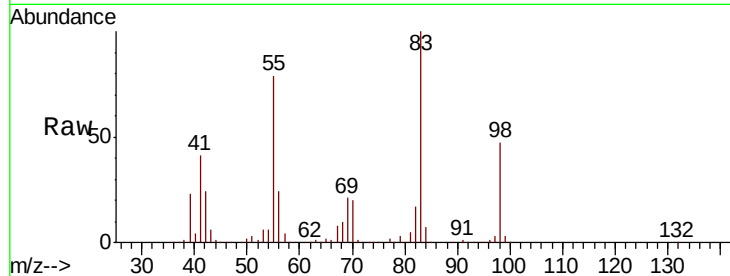




#39
Methylcyclohexane
Concen: 49.358 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

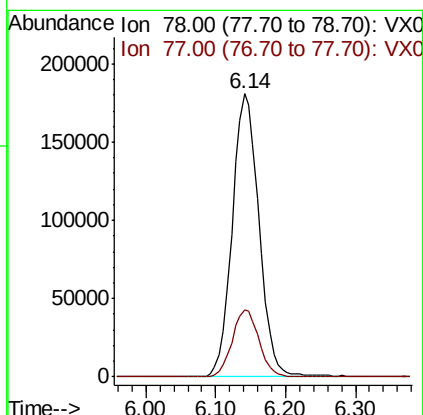
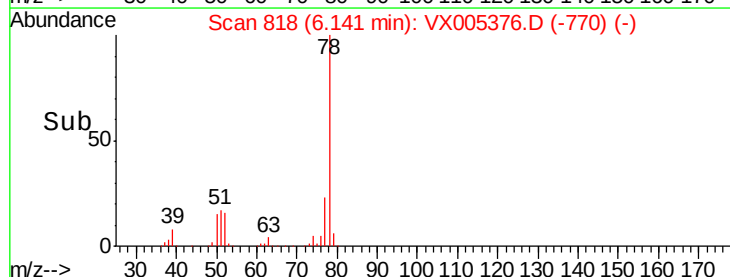
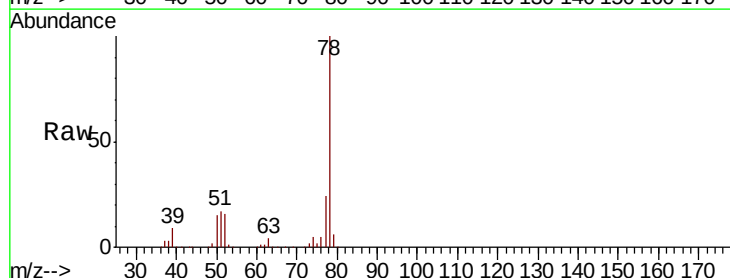
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

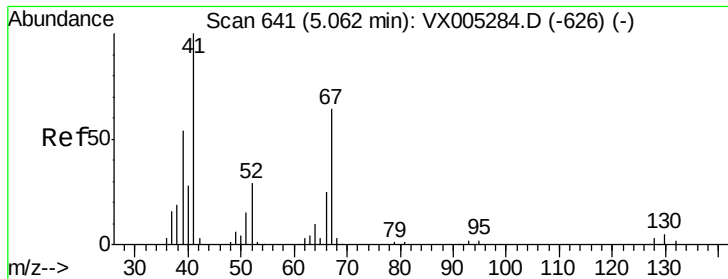
Tgt Ion: 83 Resp: 189625
Ion Ratio Lower Upper
83 100
55 79.0 61.0 91.4
98 46.9 39.6 59.4



#40
Benzene
Concen: 45.190 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 78 Resp: 481213
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

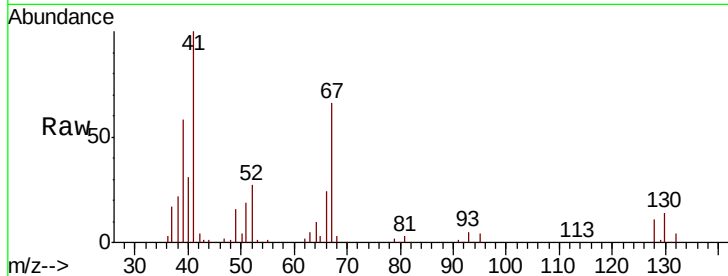




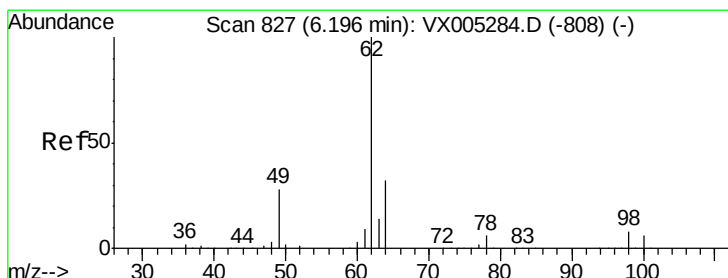
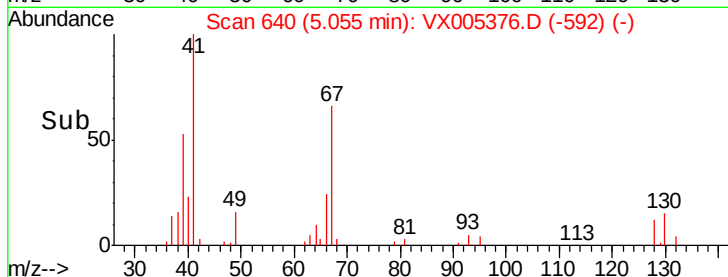
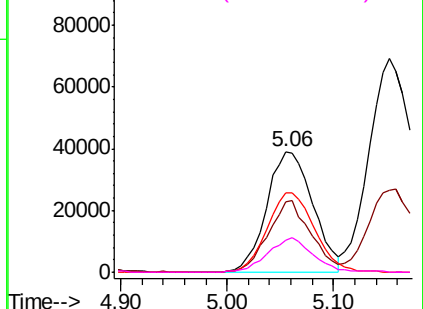
#41
Methacrylonitrile
Concen: 47.635 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	116582
Ion	Ratio	Lower	Upper
41	100		
39	54.4	42.4	63.6
67	68.6	59.2	88.8
52	27.4	23.0	34.4

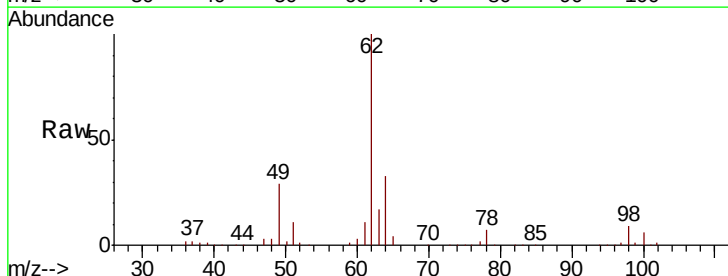


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

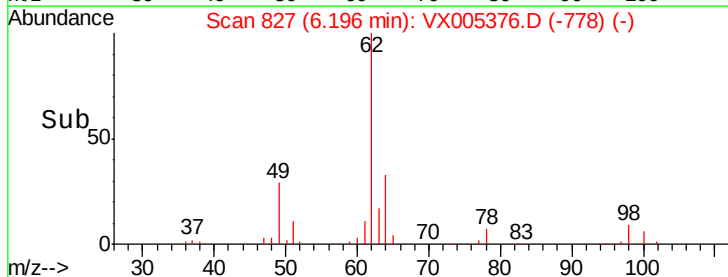
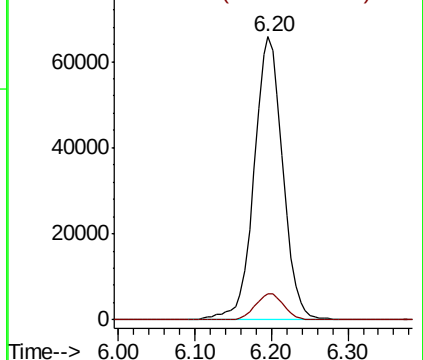


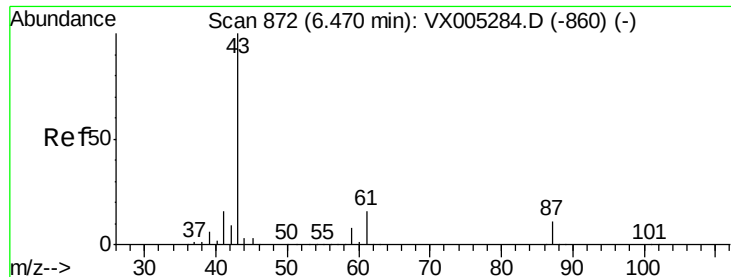
#42
1,2-Dichloroethane
Concen: 45.736 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion:	62	Resp:	171969
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.826 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

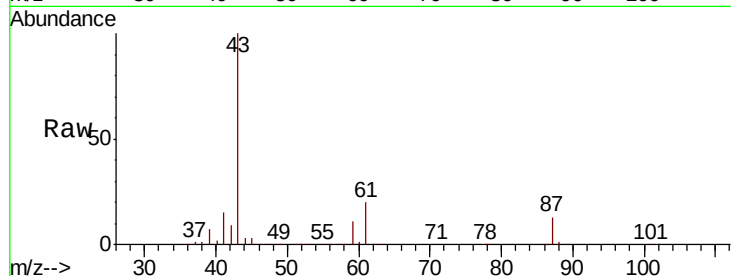
Tgt Ion: 43 Resp: 309076

Ion Ratio Lower Upper

43 100

61 19.7 17.0 25.4

87 12.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-860) (-)

Ion 61.00 (60.70 to 61.70): VX005284.D (-860) (-)

Ion 87.00 (86.70 to 87.70): VX005284.D (-860) (-)

6.46

150000

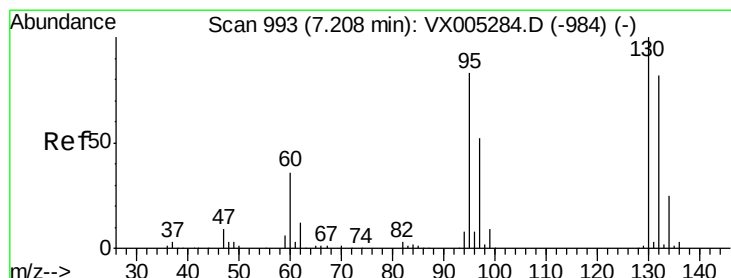
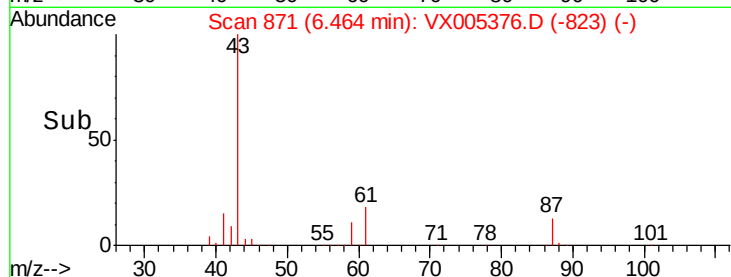
100000

50000

0

6.40 6.46 6.50

Time-->



#44

Trichloroethene

Concen: 50.483 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005376.D

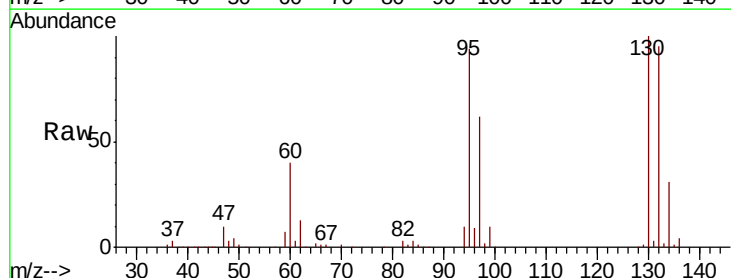
Acq: 16 Oct 2018 18:40

Tgt Ion: 130 Resp: 137245

Ion Ratio Lower Upper

130 100

95 93.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005284.D (-984) (-)

Ion 94.90 (94.60 to 95.60): VX005284.D (-984) (-)

7.21

60000

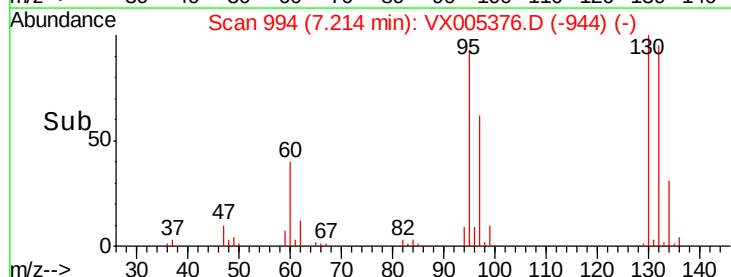
40000

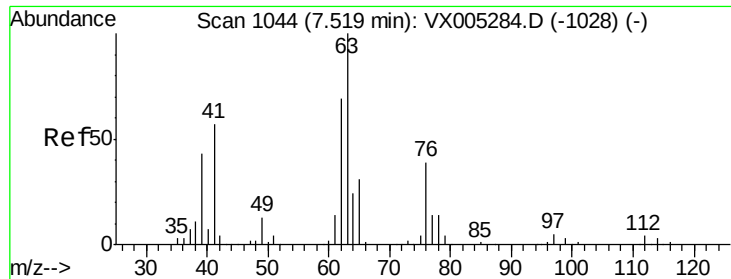
20000

0

7.10 7.21 7.30

Time-->

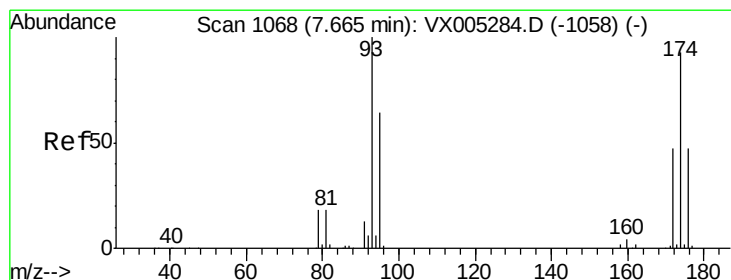
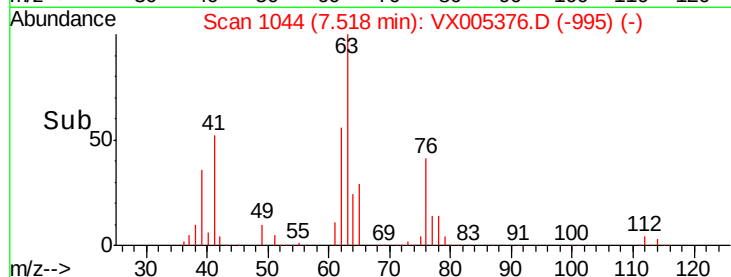
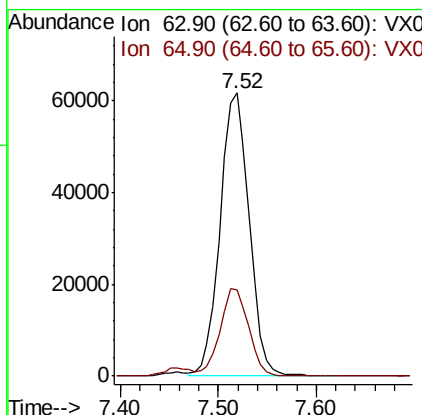
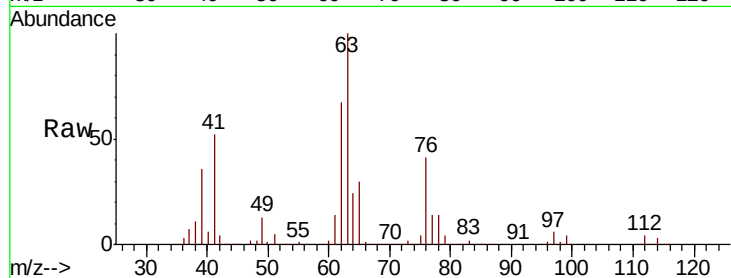




#45
 1,2-Dichloropropane
 Concen: 48.348 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

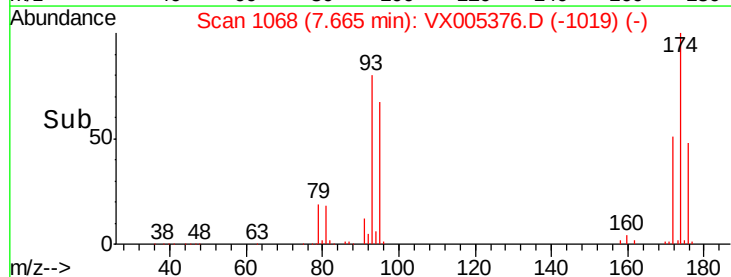
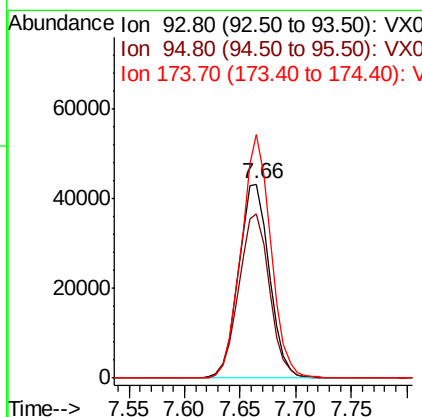
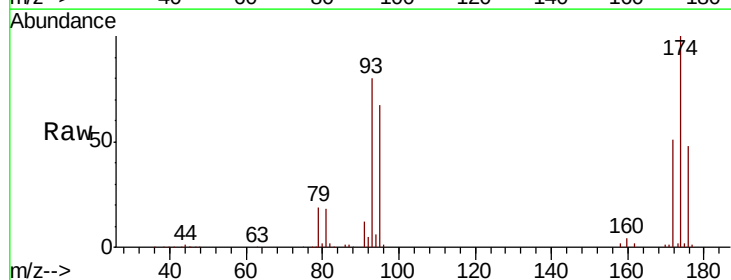
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

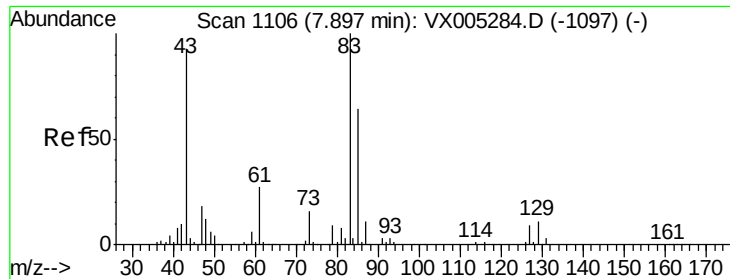
Tgt Ion: 63 Resp: 126289
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.3 36.5



#46
 Dibromomethane
 Concen: 48.288 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 93 Resp: 83249
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.5 98.3
 174 120.5 94.2 141.4

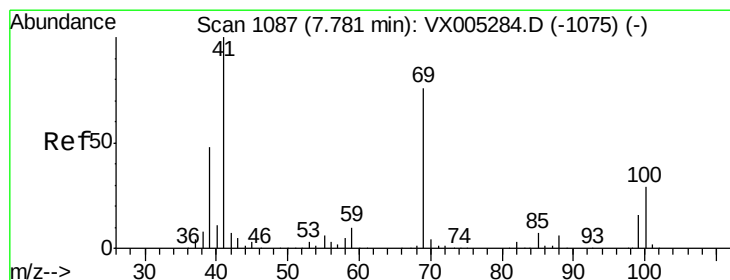
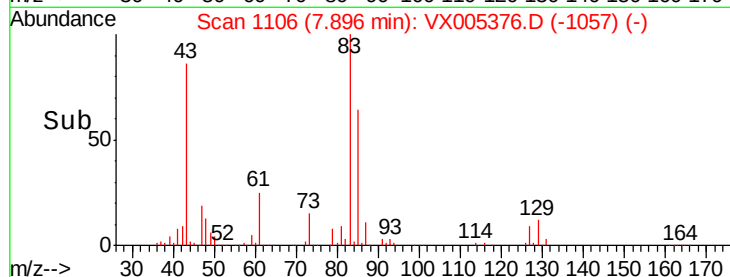
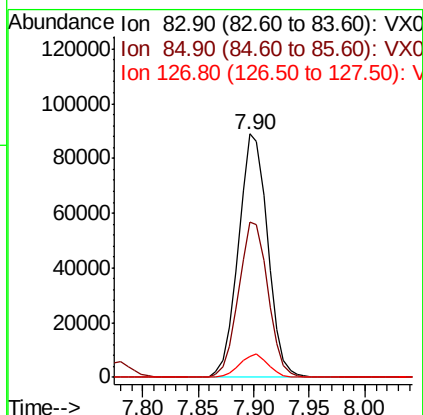
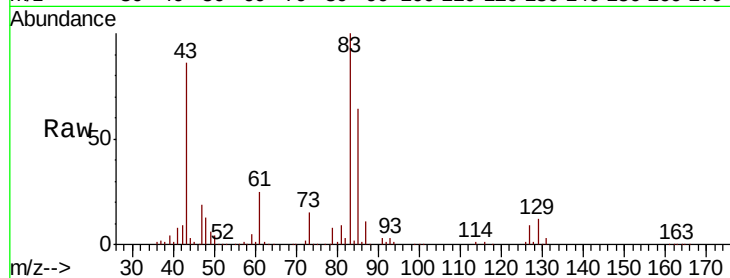




#47
 Bromodichloromethane
 Concen: 50.877 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

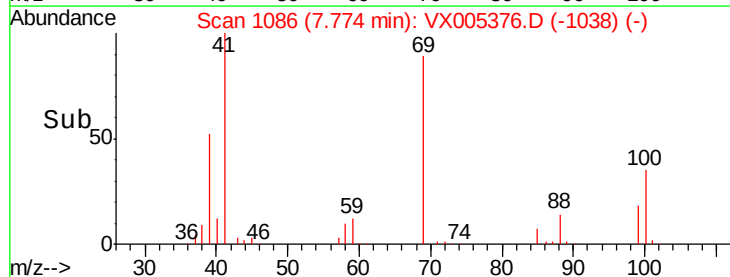
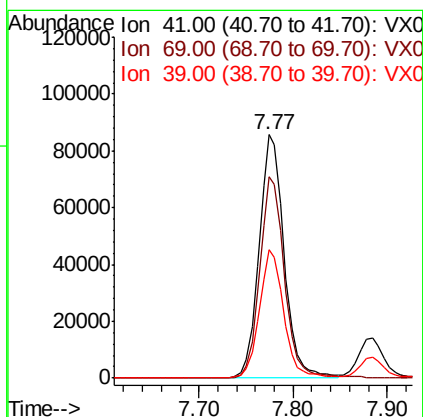
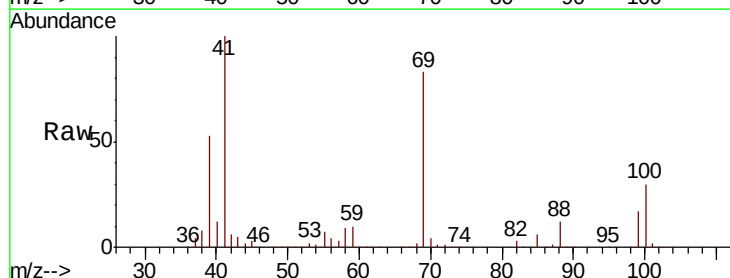
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

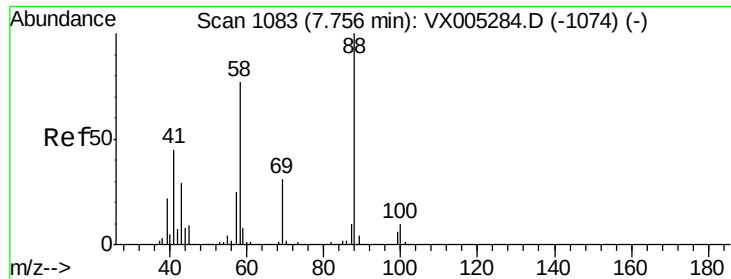
Tgt Ion: 83 Resp: 162242
 Ion Ratio Lower Upper
 83 100
 85 63.5 50.9 76.3
 127 8.7 7.3 10.9



#48
 Methyl methacrylate
 Concen: 50.806 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 41 Resp: 160241
 Ion Ratio Lower Upper
 41 100
 69 82.1 70.2 105.4
 39 51.5 42.7 64.1

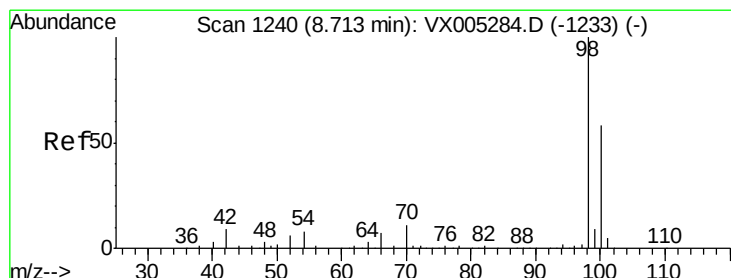
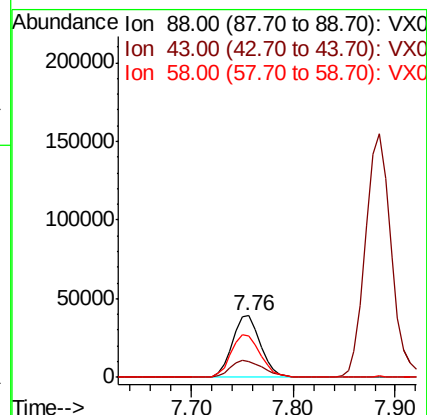
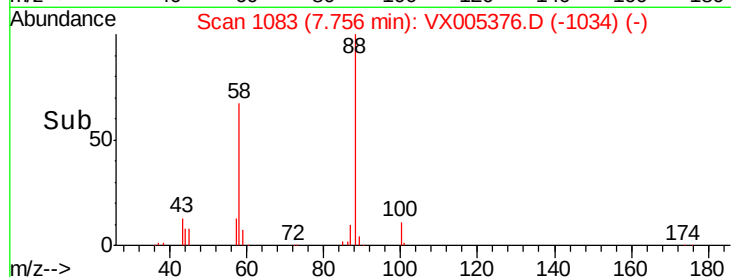
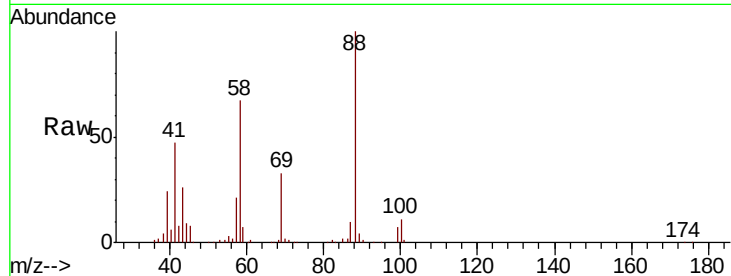




#49
1,4-Dioxane
Concen: 1035.042 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

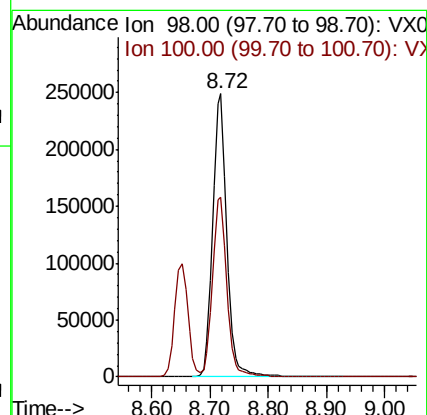
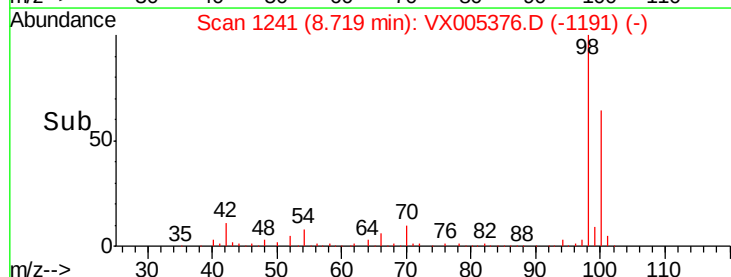
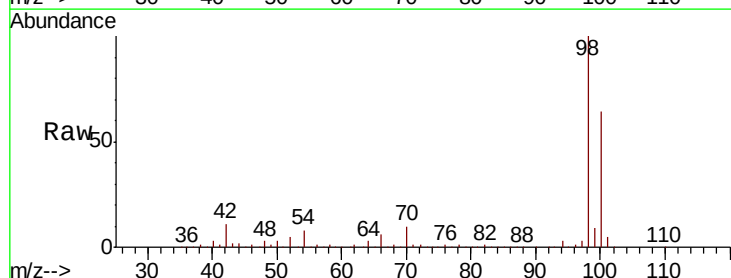
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

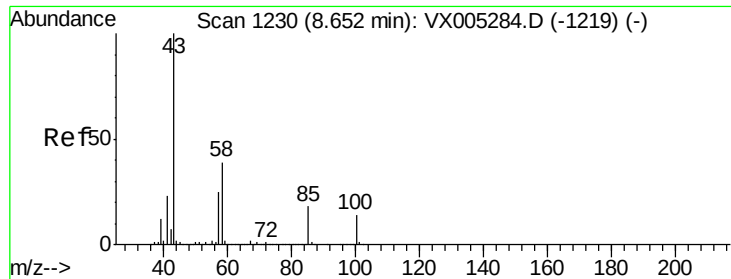
Tgt Ion: 88 Resp: 75295
Ion Ratio Lower Upper
88 100
43 32.0 24.7 37.1
58 71.7 55.3 82.9



#50
Toluene-d8
Concen: 50.597 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 98 Resp: 421679
Ion Ratio Lower Upper
98 100
100 64.7 52.9 79.3

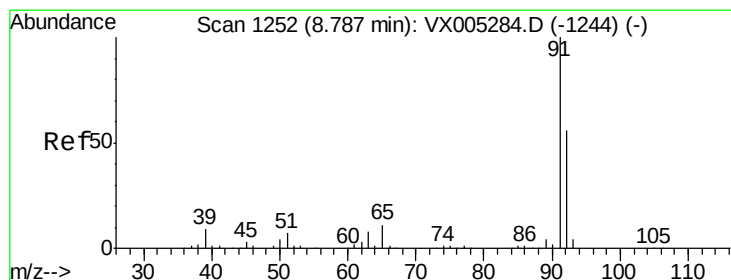
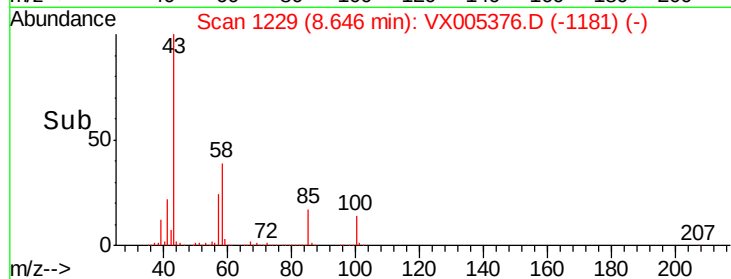
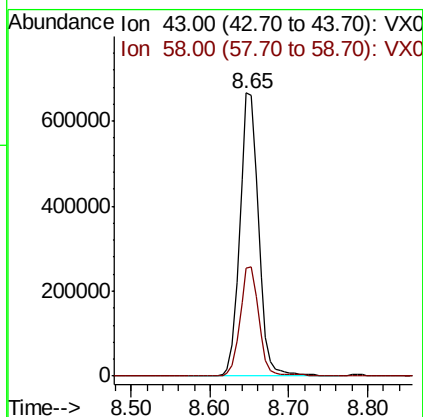
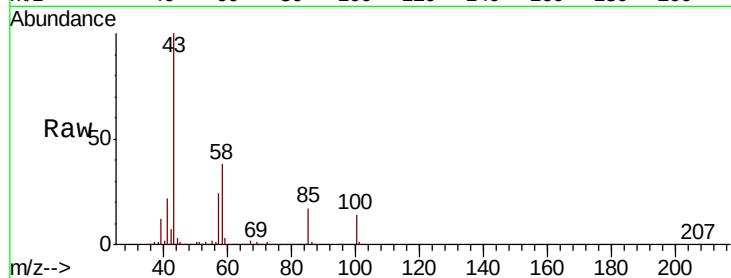




#51
 4-Methyl-2-Pentanone
 Concen: 261.374 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

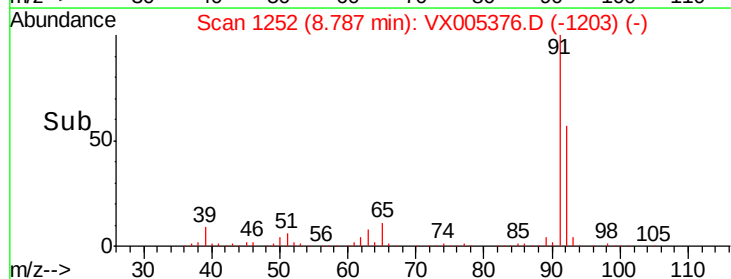
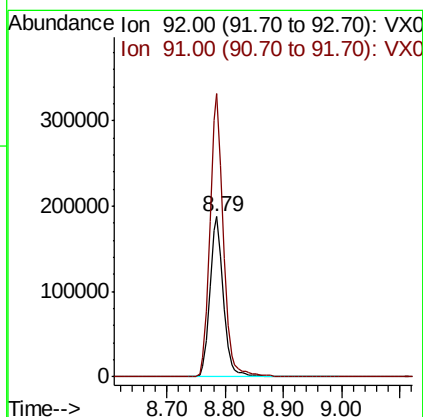
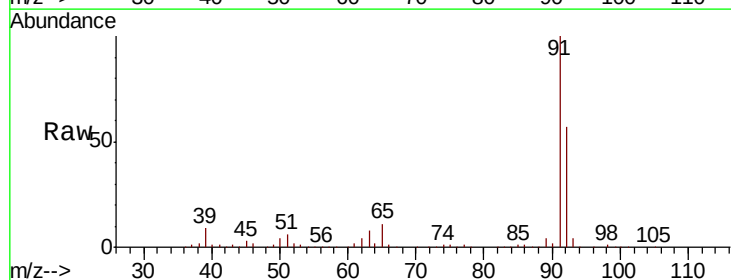
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

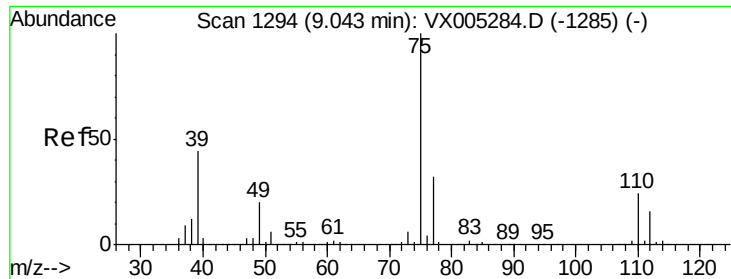
Tgt Ion: 43 Resp: 1100555
 Ion Ratio Lower Upper
 43 100
 58 38.2 33.1 49.7



#52
 Toluene
 Concen: 52.148 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 92 Resp: 303798
 Ion Ratio Lower Upper
 92 100
 91 175.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 53.371 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

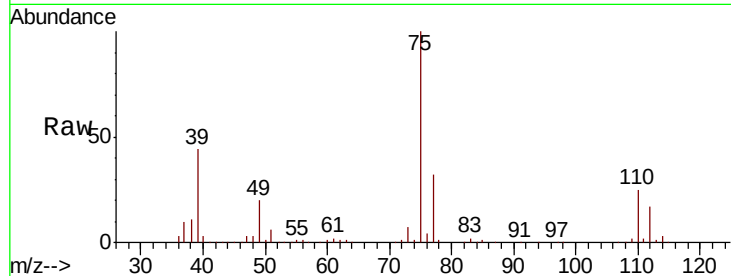
VSTDCCC050EC

Tgt Ion: 75 Resp: 184187

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

150000

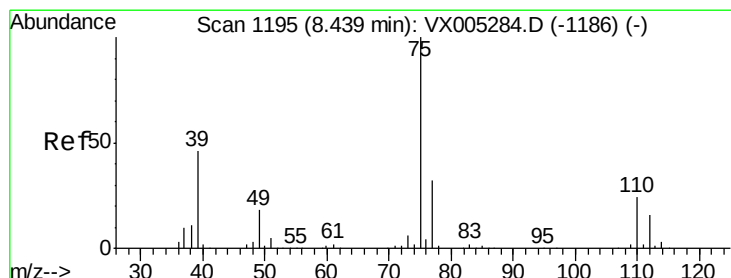
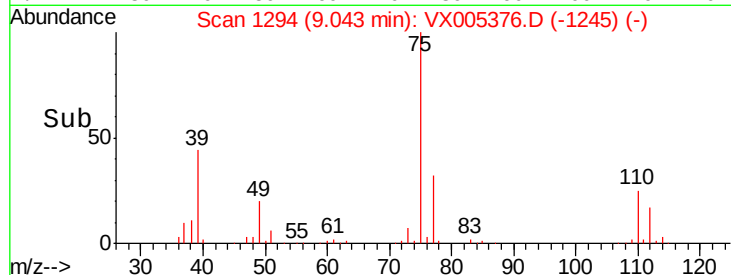
100000

50000

0

Time-->

9.00 9.10 9.20



#54

cis-1,3-Dichloropropene

Concen: 53.042 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

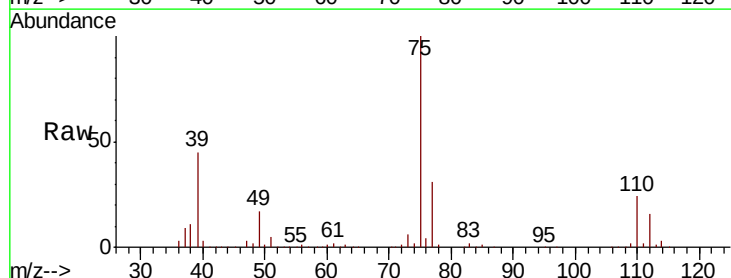
Tgt Ion: 75 Resp: 198343

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

39 45.3 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

150000

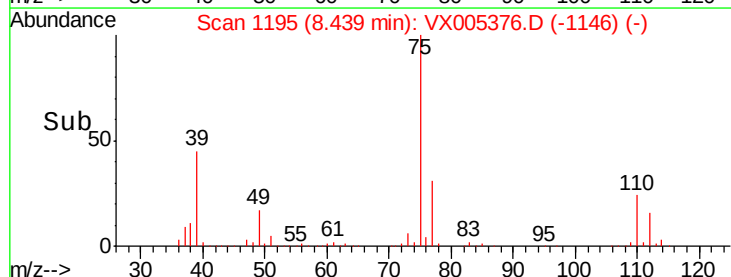
100000

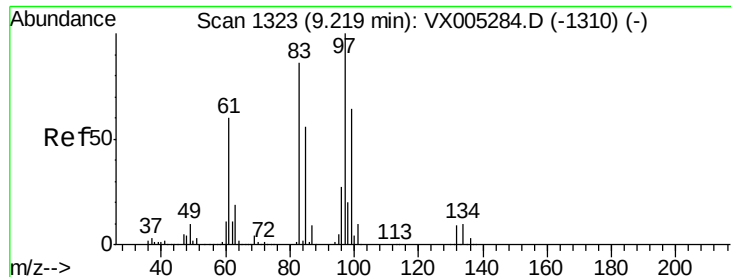
50000

0

Time-->

8.40 8.50 8.60

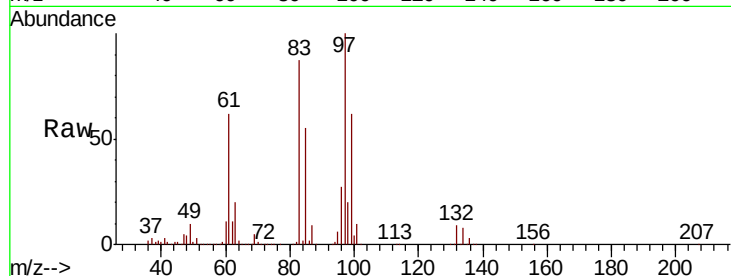




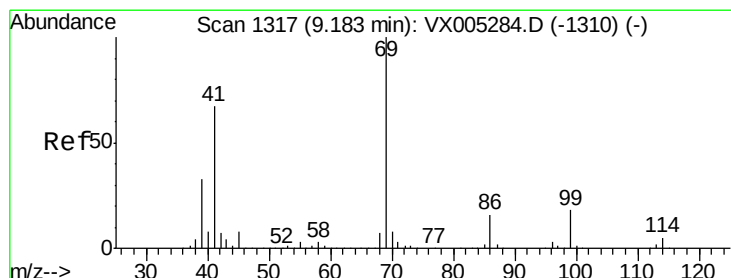
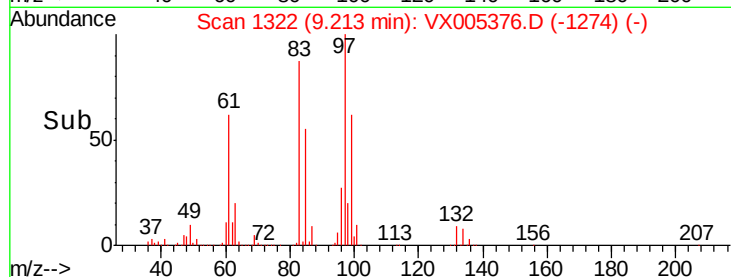
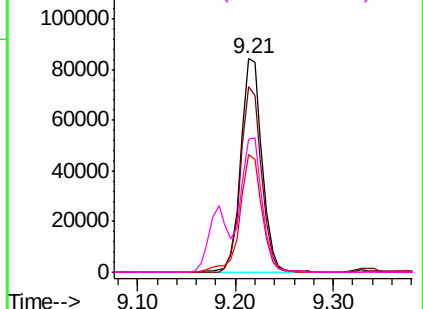
#55
 1,1,2-Trichloroethane
 Concen: 51.564 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	127234
Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.4	99.6
85	54.9	43.3	64.9
99	62.1	49.0	73.4

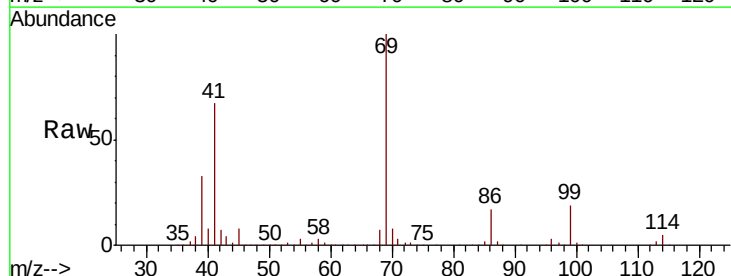


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

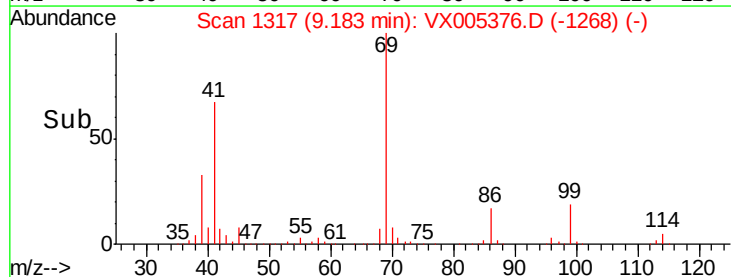
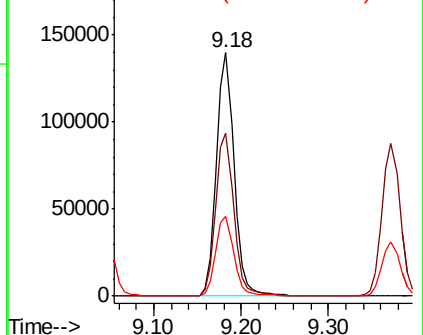


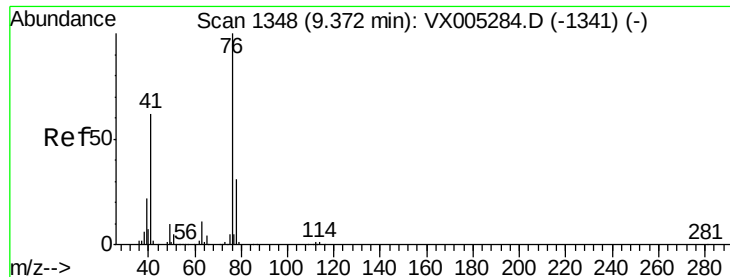
#56
 Ethyl methacrylate
 Concen: 54.649 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion:	69	Resp:	196580
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.0	76.4
39	33.7	26.1	39.1



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





#57

1,3-Dichloropropane

Concen: 51.366 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

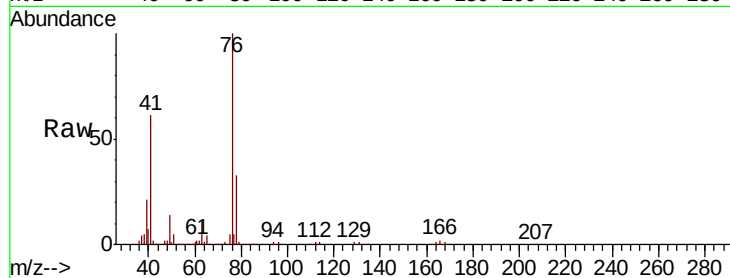
VSTDCCC050EC

Tgt Ion: 76 Resp: 211550

Ion Ratio Lower Upper

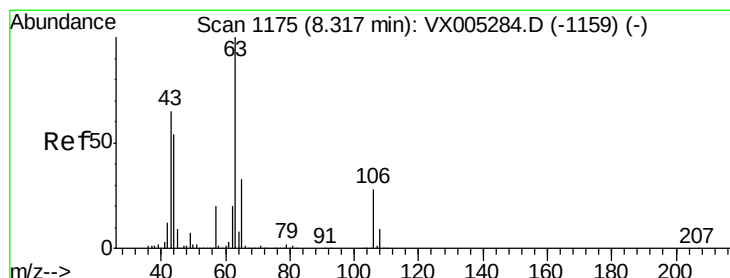
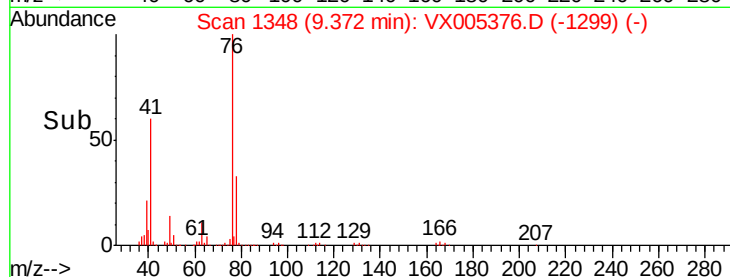
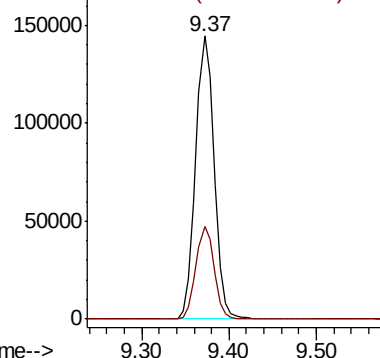
76 100

78 32.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 271.511 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005376.D

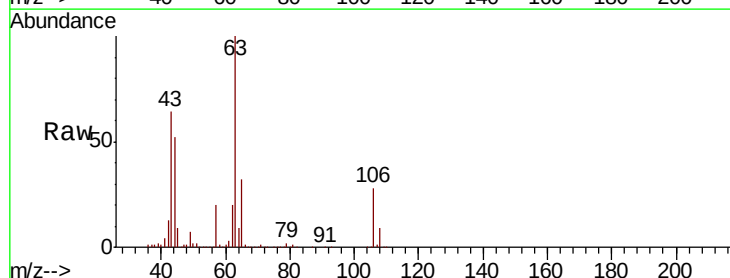
Acq: 16 Oct 2018 18:40

Tgt Ion: 63 Resp: 547735

Ion Ratio Lower Upper

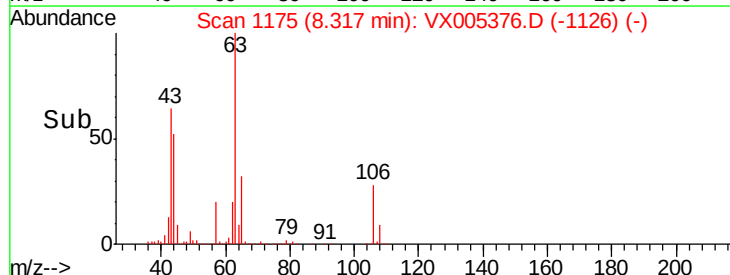
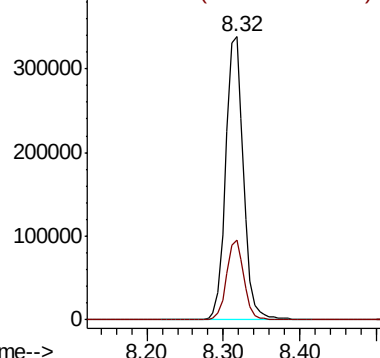
63 100

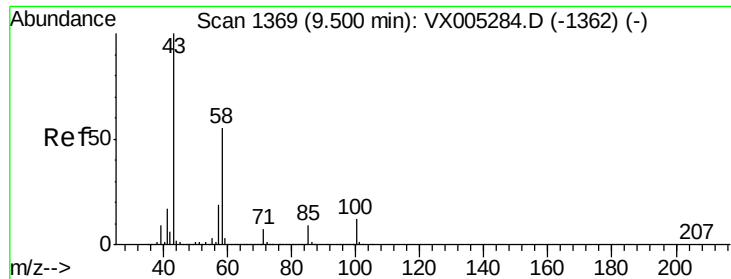
106 27.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

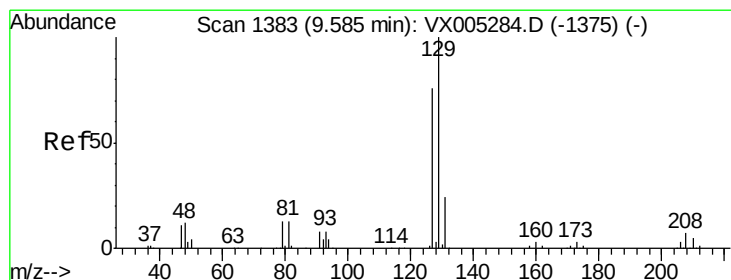
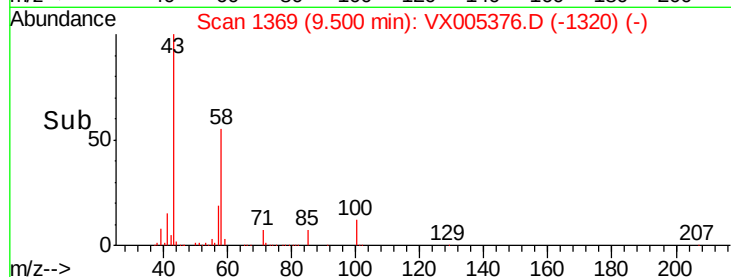
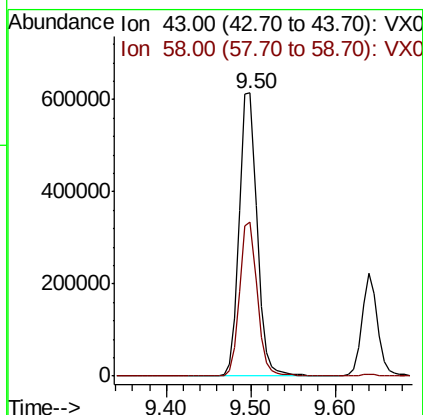
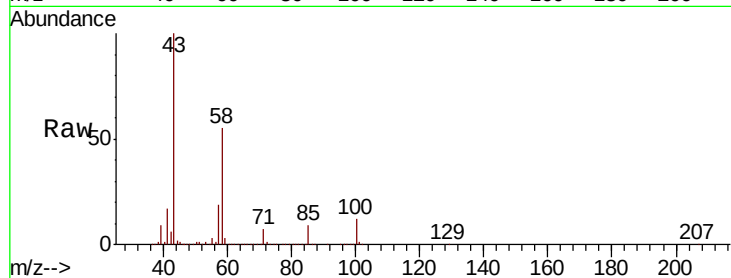




#59
2-Hexanone
Concen: 257.393 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

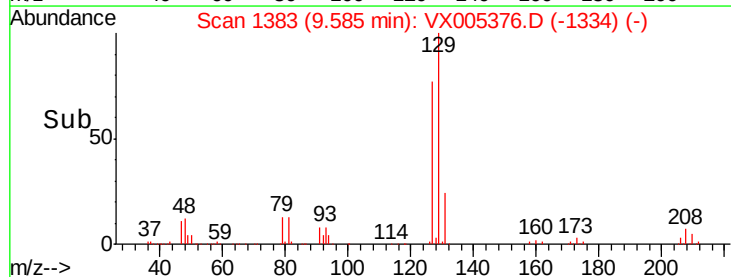
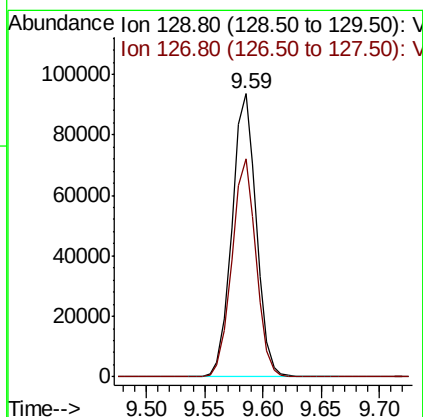
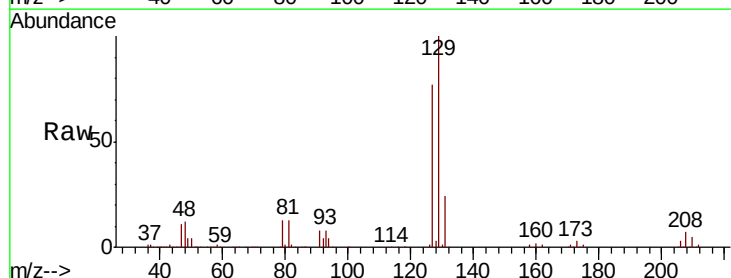
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

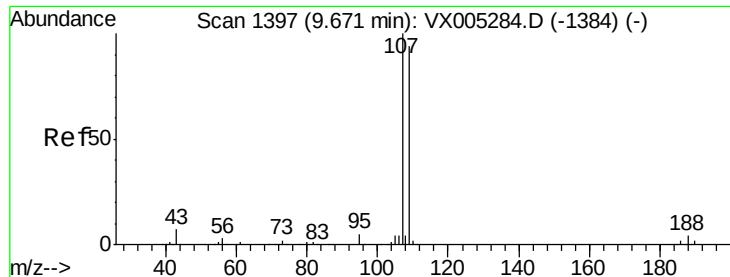
Tgt Ion: 43 Resp: 871808
Ion Ratio Lower Upper
43 100
58 53.8 29.0 87.0



#60
Dibromochloromethane
Concen: 53.353 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 129 Resp: 136081
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.640 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

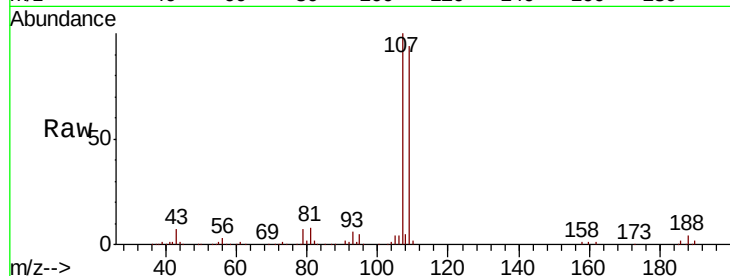
VSTDCCC050EC

Tgt Ion: 107 Resp: 133726

Ion Ratio Lower Upper

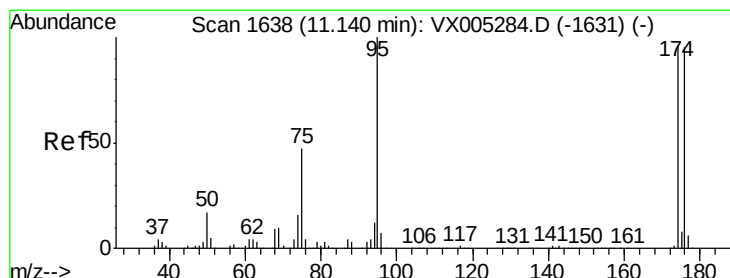
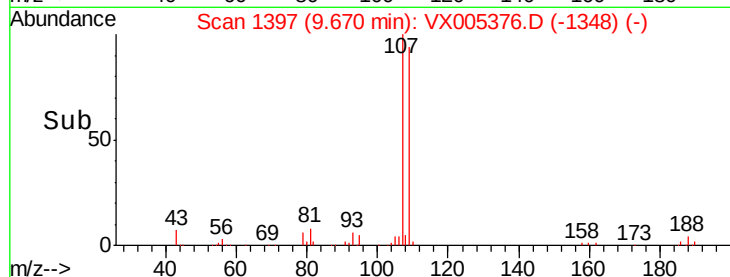
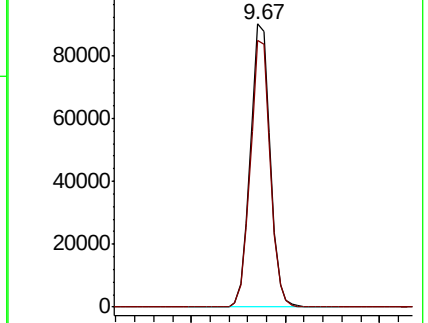
107 100

109 94.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.524 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

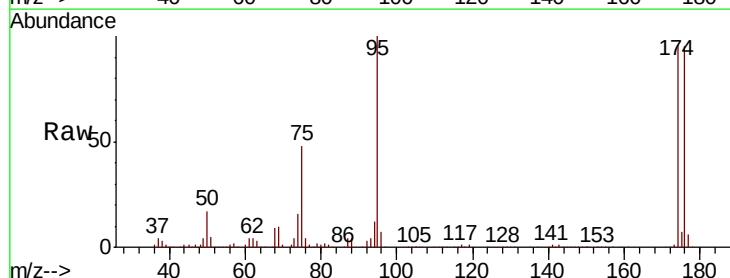
Tgt Ion: 95 Resp: 158181

Ion Ratio Lower Upper

95 100

174 94.7 0.0 185.2

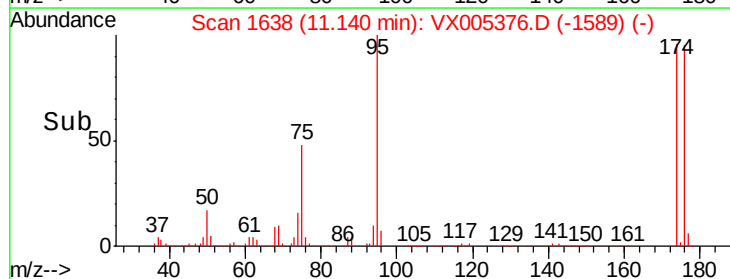
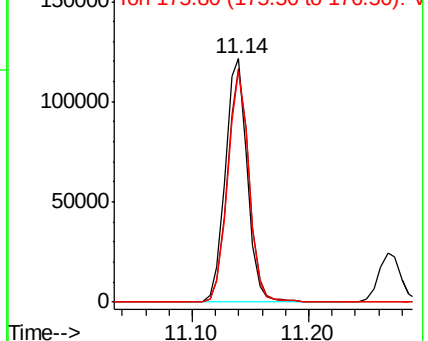
176 92.1 0.0 178.6

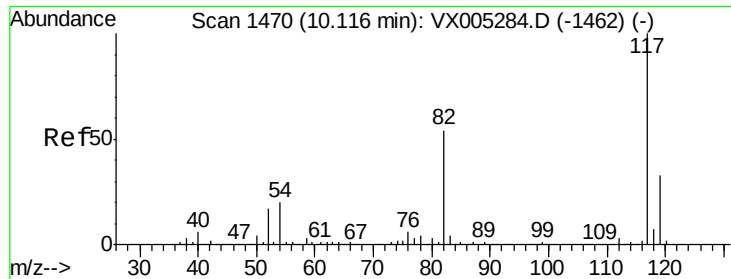


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

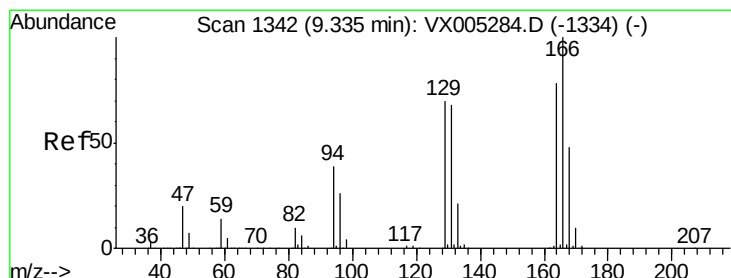
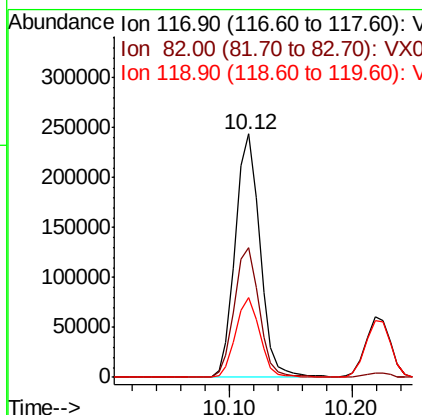
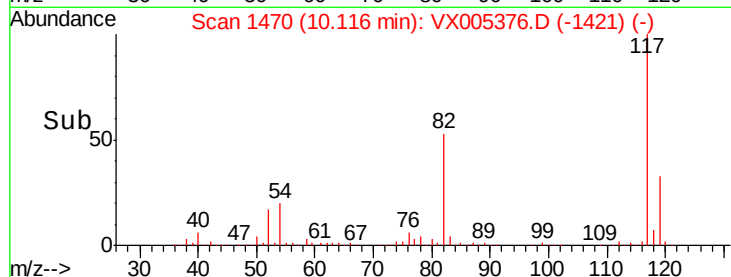
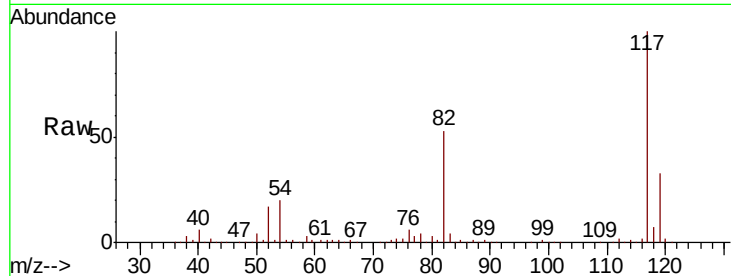




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

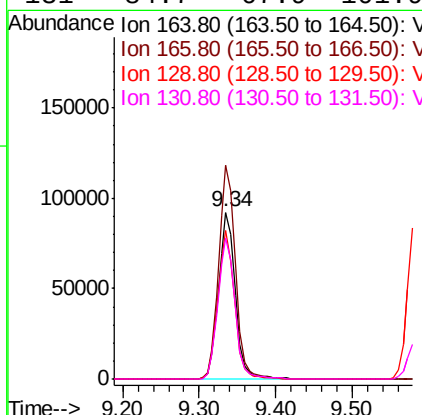
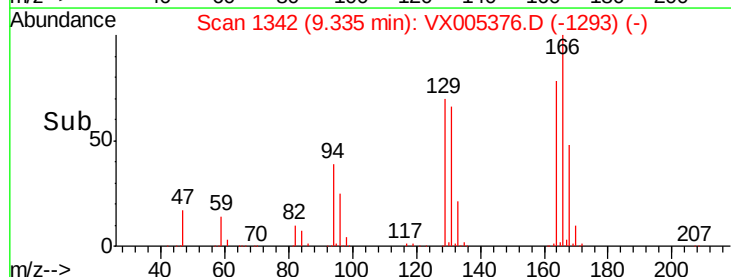
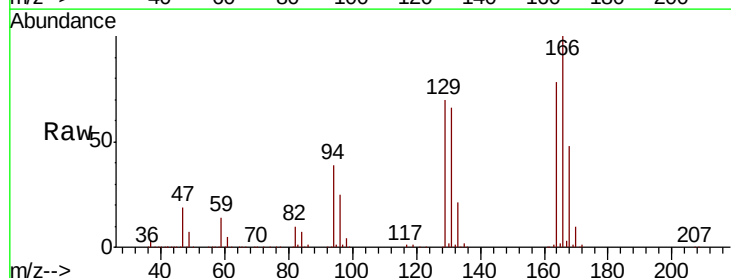
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

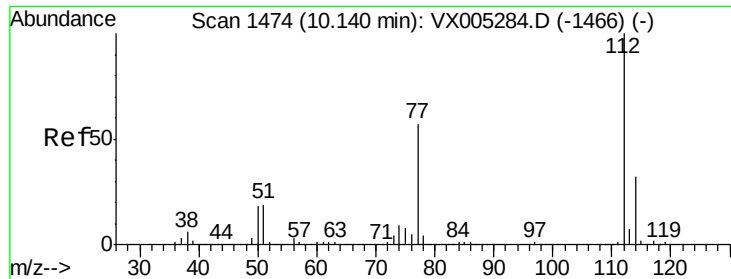
Tgt Ion:117 Resp: 341375
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.5 29.3 43.9



#64
Tetrachloroethene
Concen: 50.894 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion:164 Resp: 139869
Ion Ratio Lower Upper
164 100
166 128.1 102.8 154.2
129 89.1 69.4 104.0
131 84.7 67.9 101.9

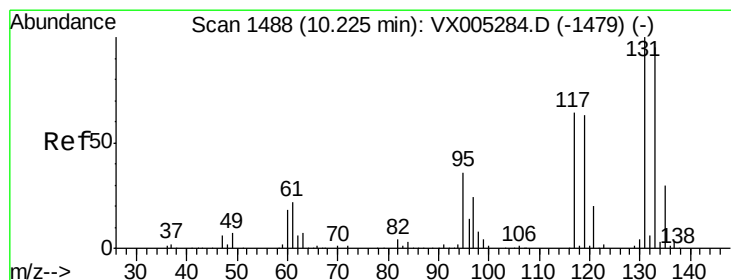
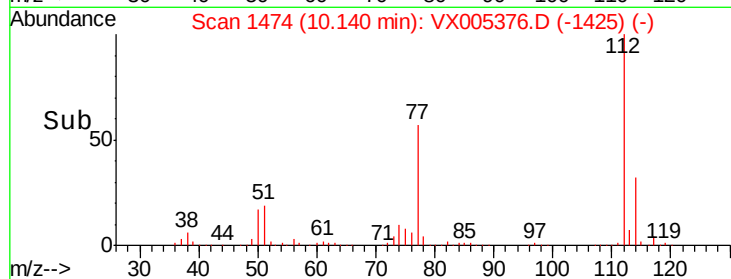
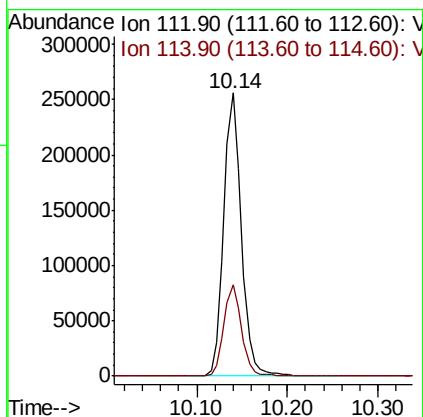
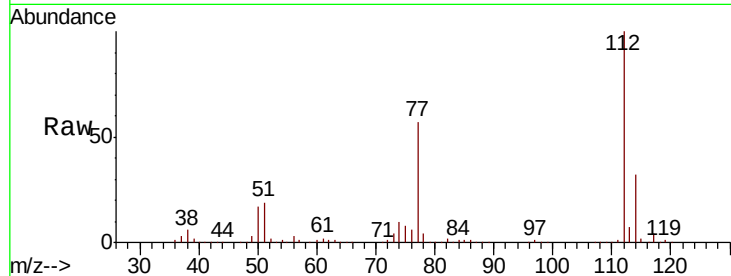




#65
Chlorobenzene
Concen: 47.887 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

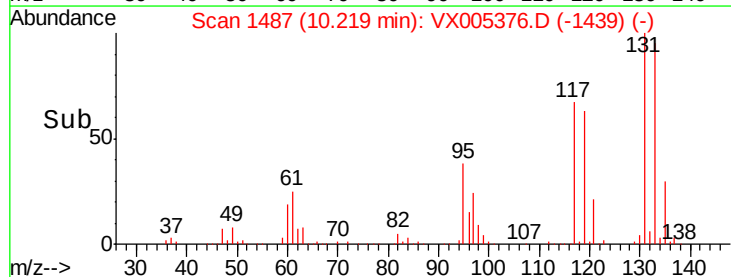
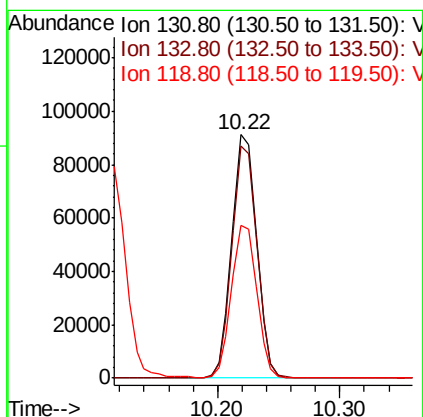
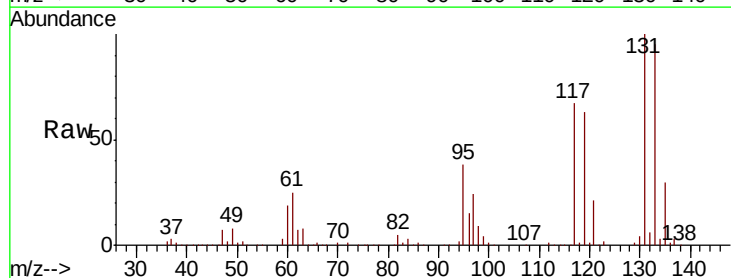
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

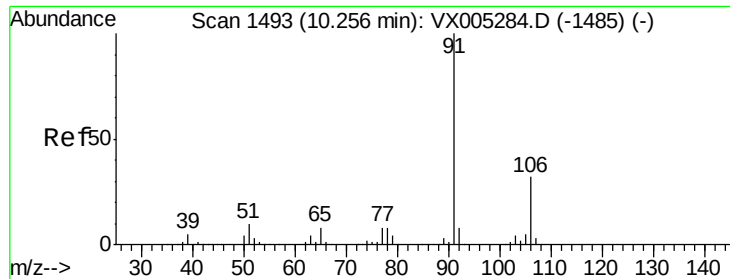
Tgt Ion:112 Resp: 347729
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.682 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion:131 Resp: 128563
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 64.2 32.9 98.6

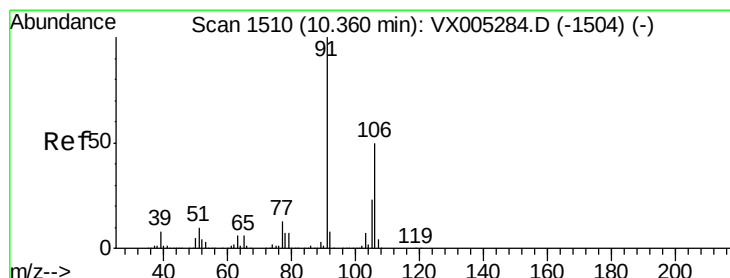
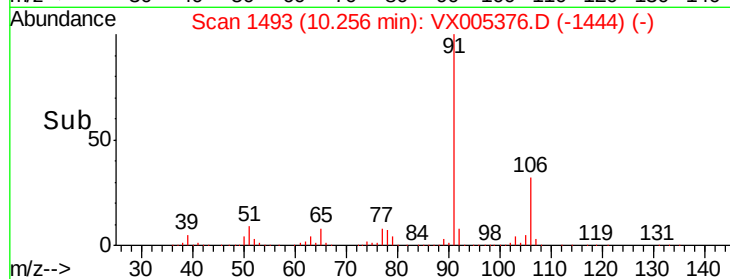
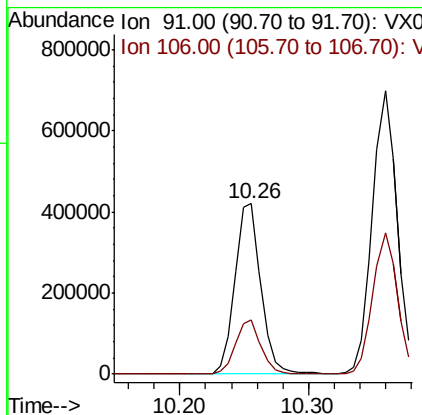
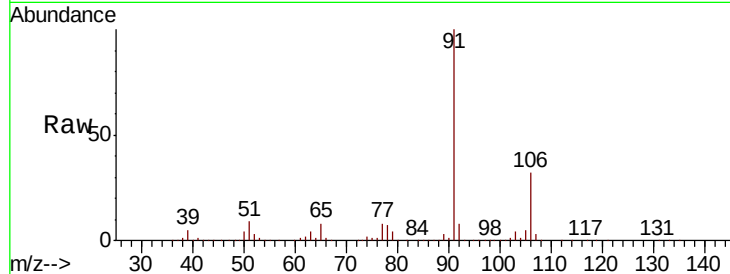




#67
Ethyl Benzene
Concen: 50.241 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

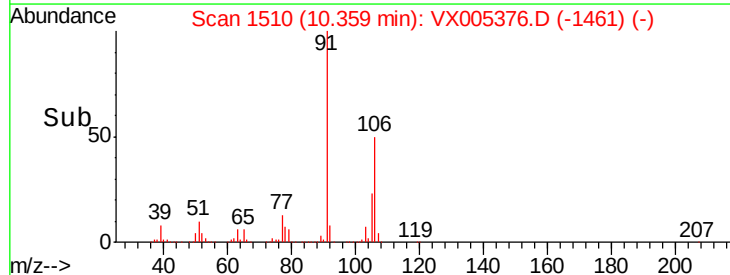
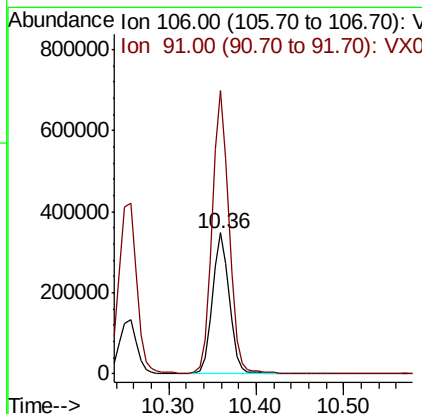
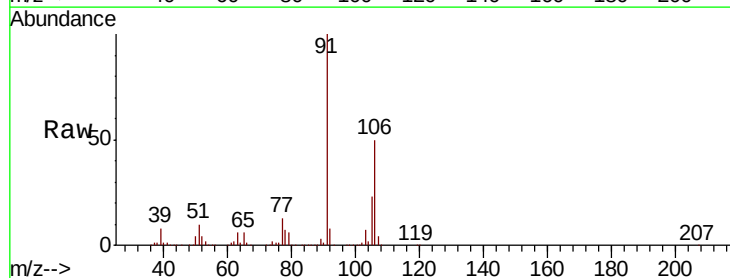
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

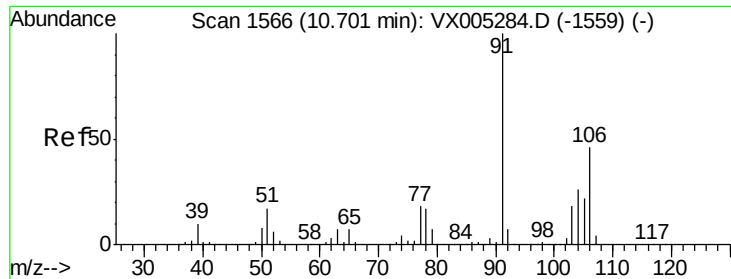
Tgt Ion: 91 Resp: 593079
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



#68
m/p-Xylenes
Concen: 101.648 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 106 Resp: 465734
Ion Ratio Lower Upper
106 100
91 201.8 157.1 235.7

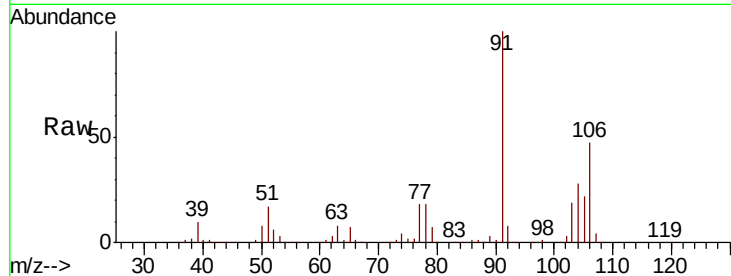




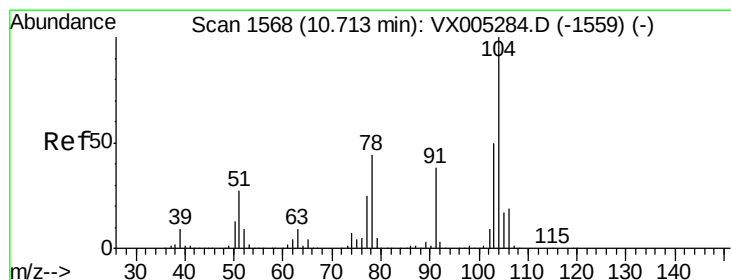
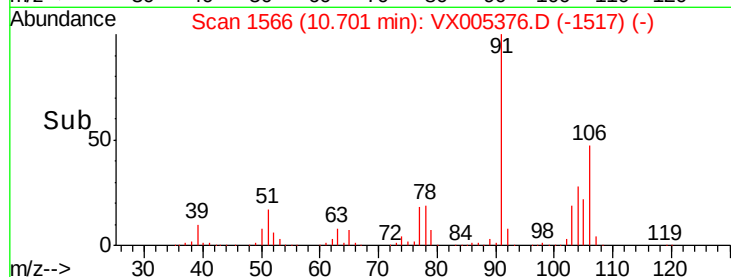
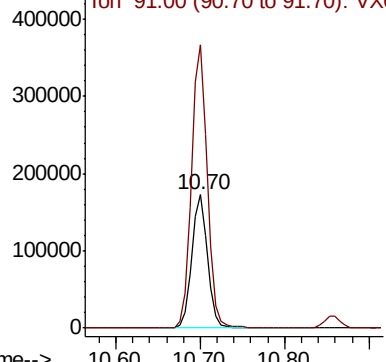
#69
o-Xylene
Concen: 50.453 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 222944
Ion Ratio Lower Upper
106 100
91 214.9 105.1 315.1

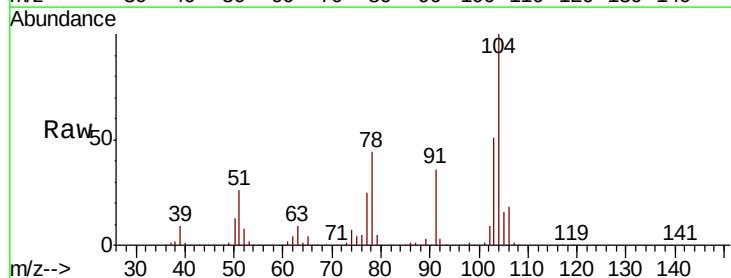


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

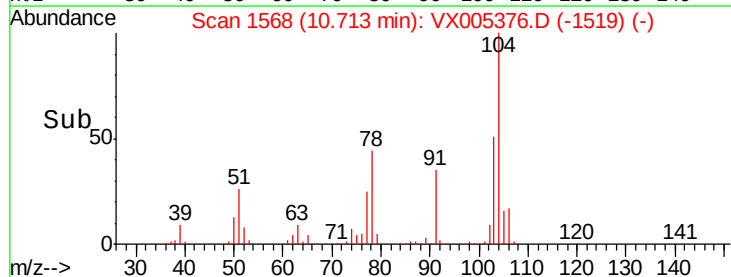
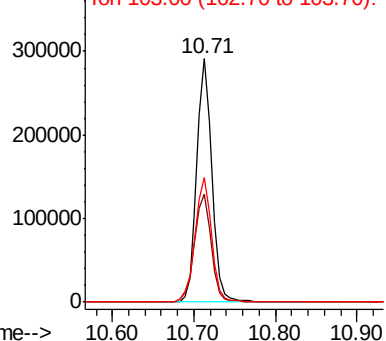


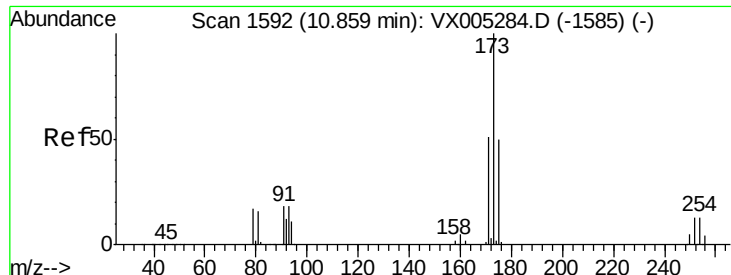
#70
Styrene
Concen: 51.702 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion:104 Resp: 375781
Ion Ratio Lower Upper
104 100
78 49.5 37.4 56.0
103 55.6 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.131 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

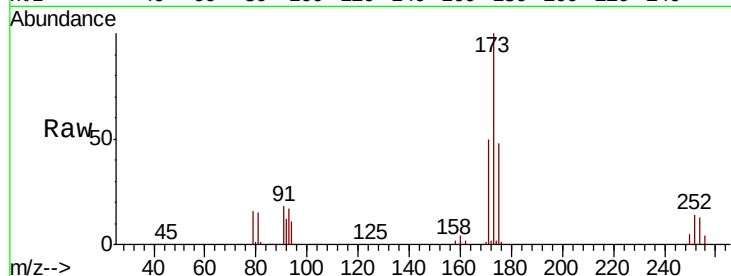
Tgt Ion:173 Resp: 115925

Ion Ratio Lower Upper

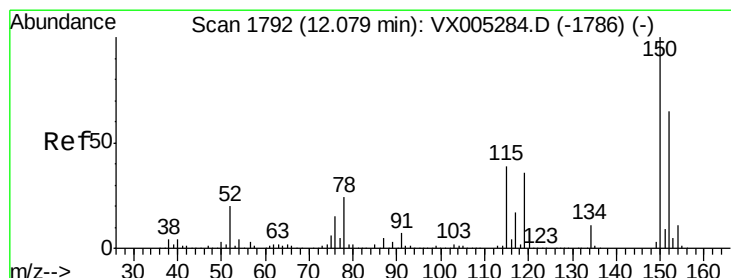
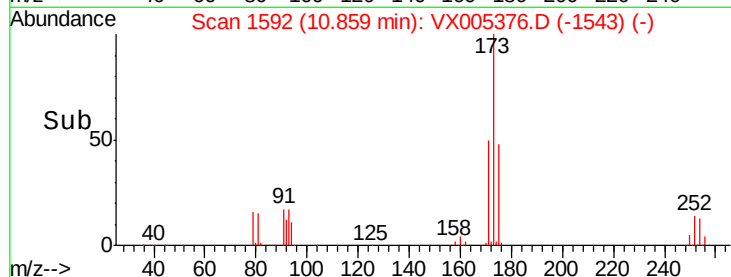
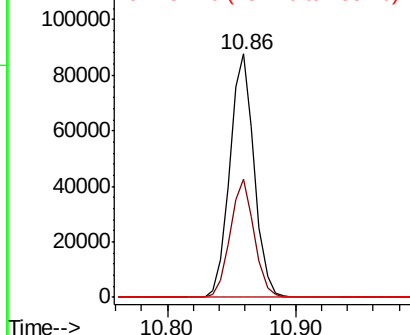
173 100

175 47.7 24.1 72.3

254 0.1 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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

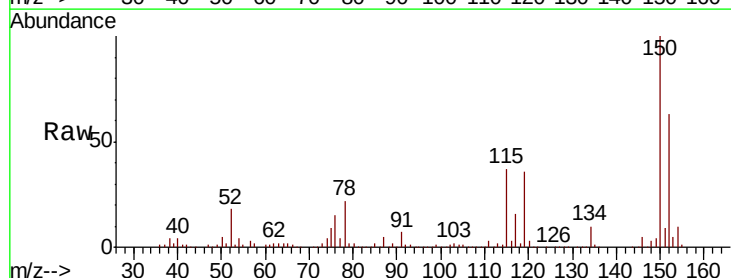
Tgt Ion:152 Resp: 196046

Ion Ratio Lower Upper

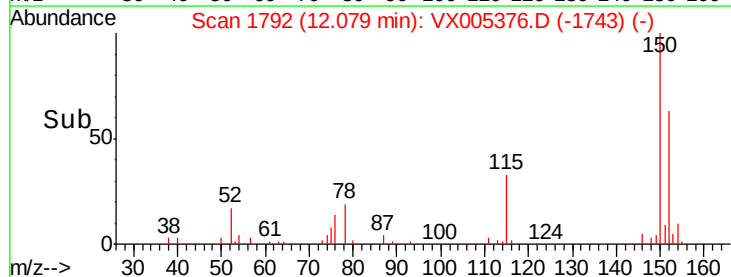
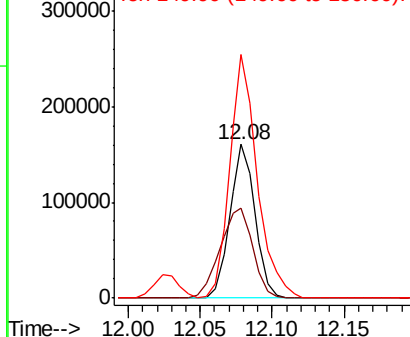
152 100

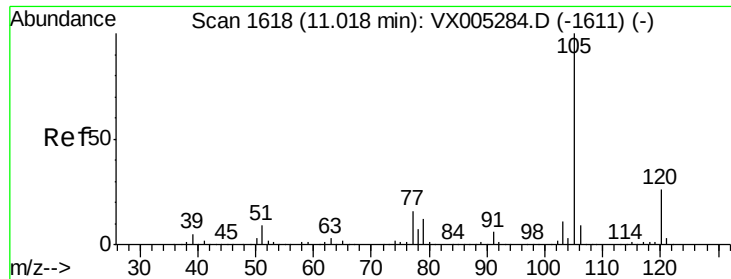
115 76.3 39.0 117.0

150 173.2 0.0 351.0



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

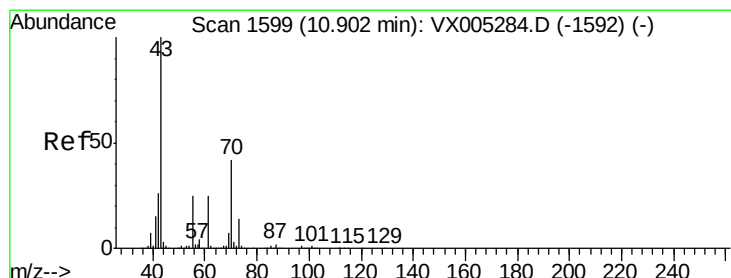
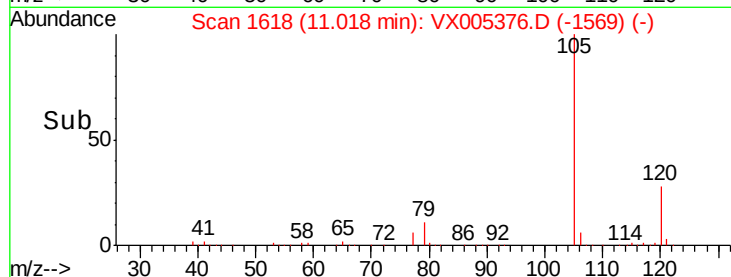
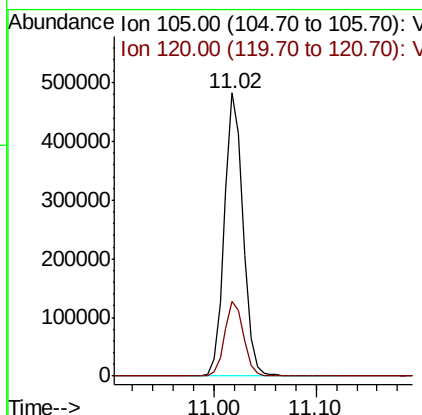
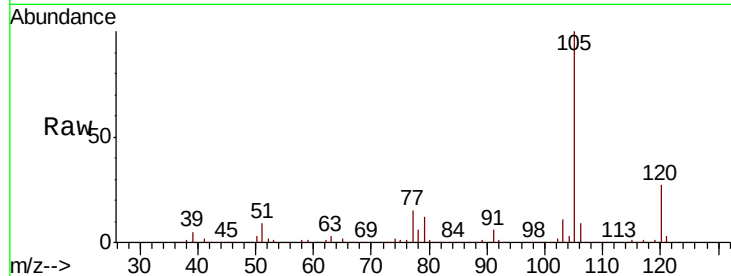




#73
Isopropylbenzene
Concen: 52.614 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

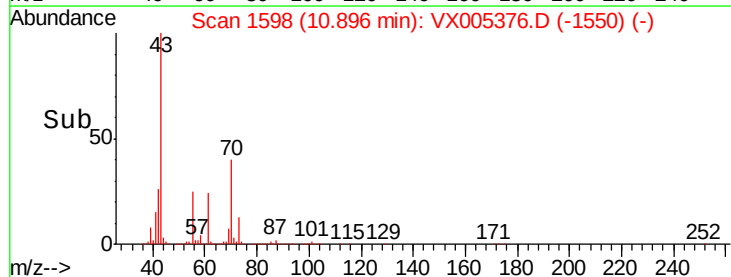
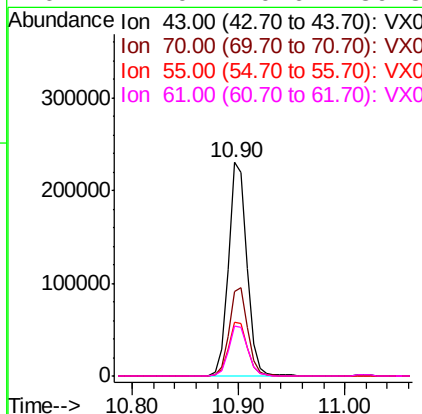
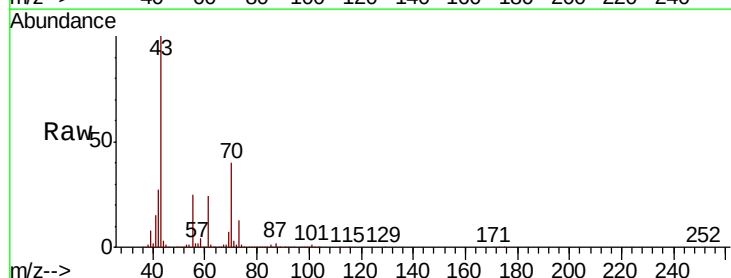
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

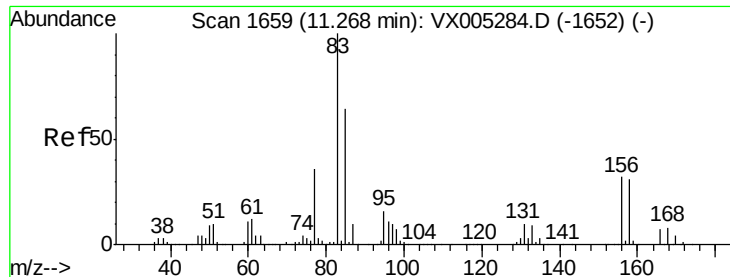
Tgt Ion: 105 Resp: 613184
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4



#74
N-ethyl acetate
Concen: 50.075 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 43 Resp: 281474
Ion Ratio Lower Upper
43 100
70 41.7 37.4 56.0
55 25.7 21.8 32.8
61 24.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.744 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

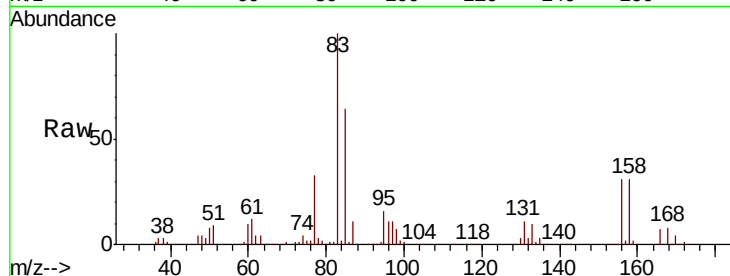
Tgt Ion: 83 Resp: 205505

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

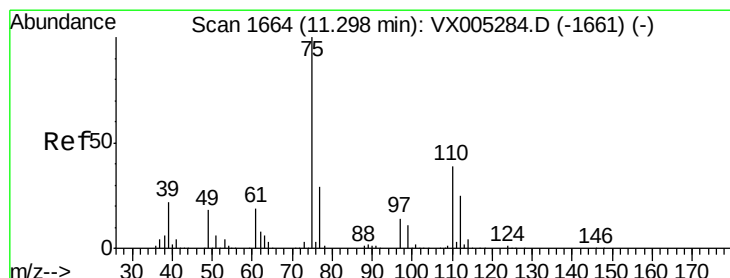
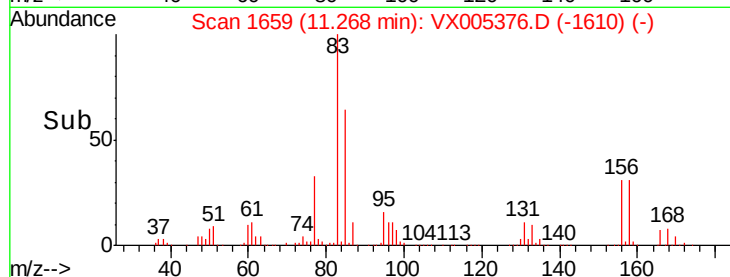
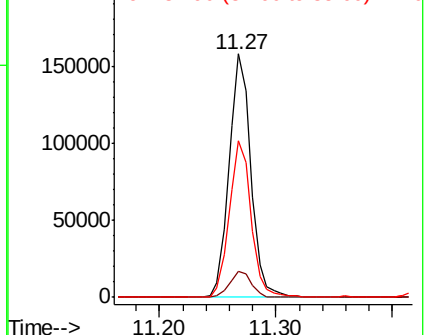
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.001 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005376.D

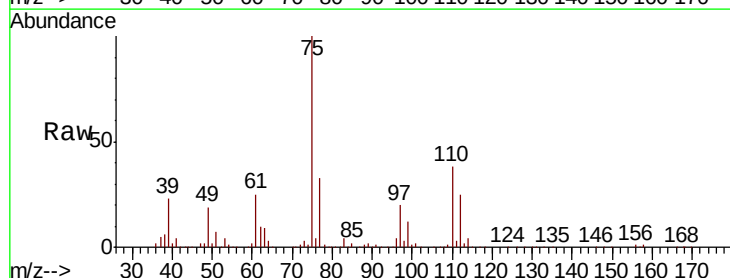
Acq: 16 Oct 2018 18:40

Tgt Ion: 75 Resp: 243378

Ion Ratio Lower Upper

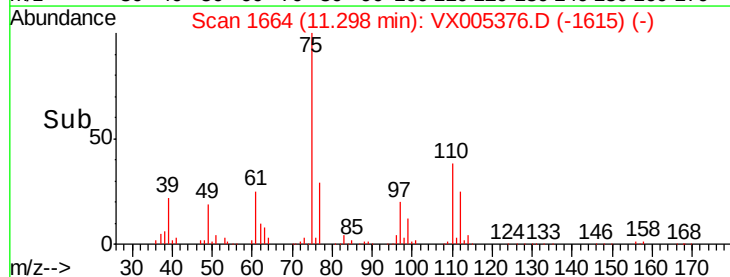
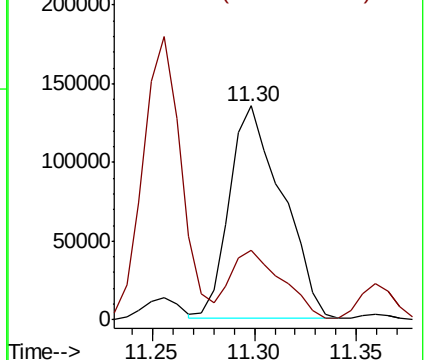
75 100

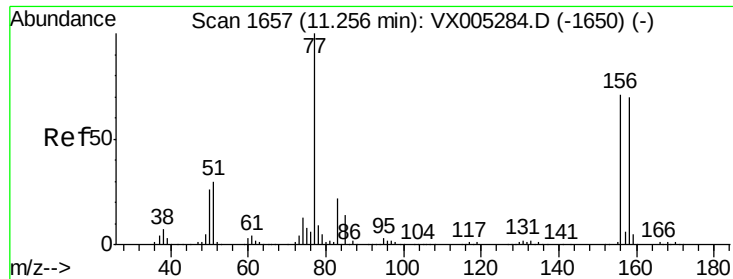
77 32.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.551 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

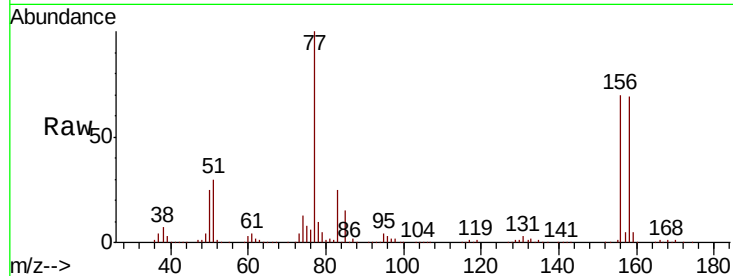
Tgt Ion:156 Resp: 165118

Ion Ratio Lower Upper

156 100

77 141.9 71.5 214.3

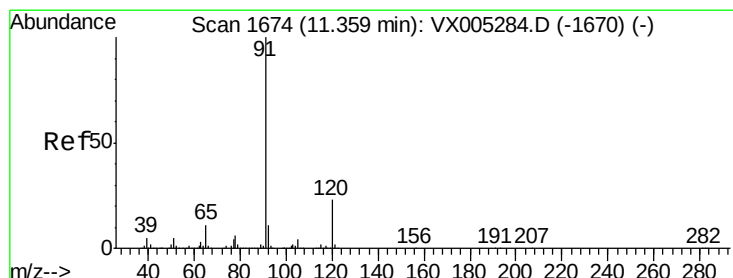
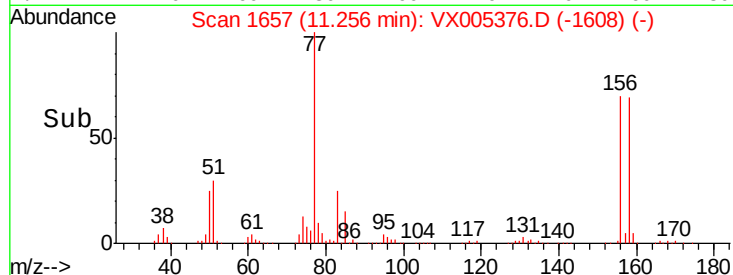
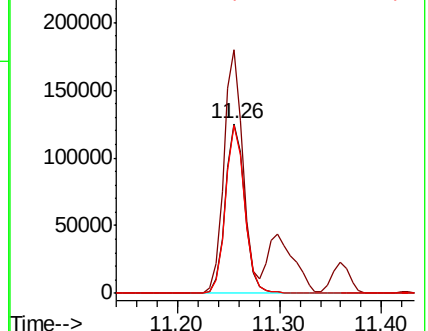
158 98.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.235 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005376.D

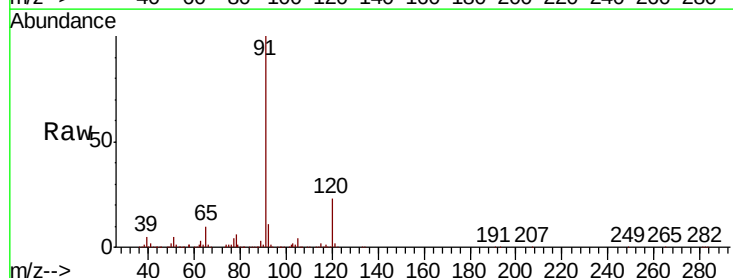
Acq: 16 Oct 2018 18:40

Tgt Ion: 91 Resp: 700534

Ion Ratio Lower Upper

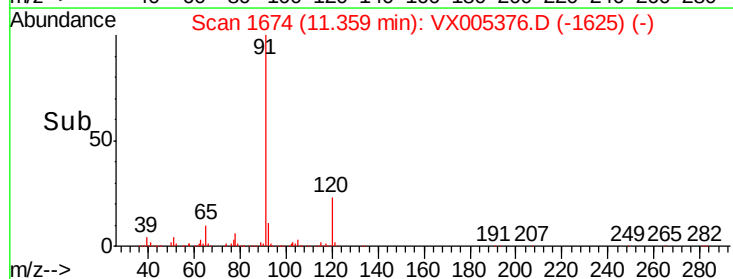
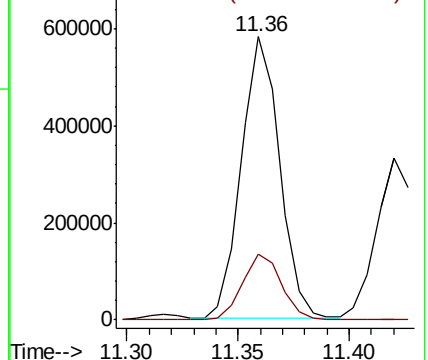
91 100

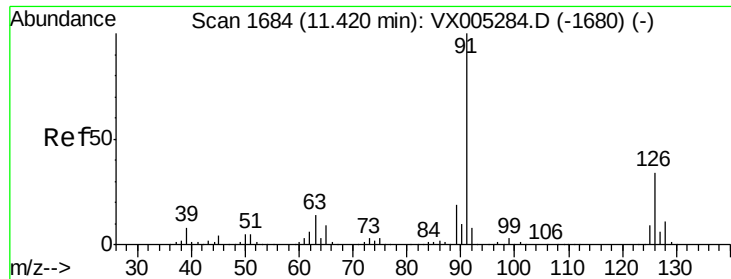
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

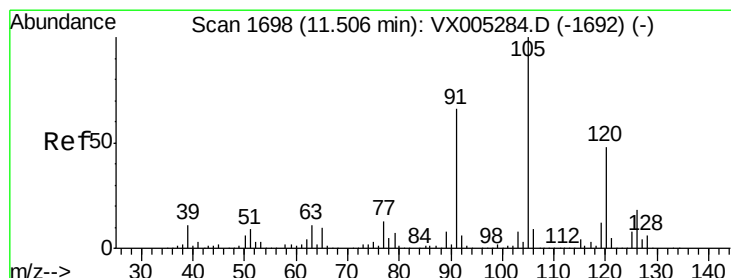
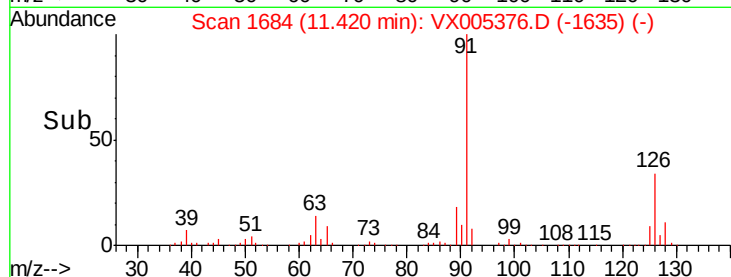
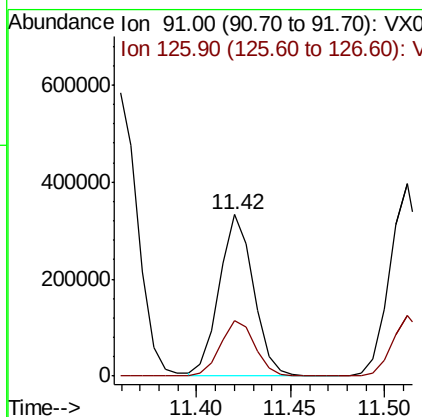
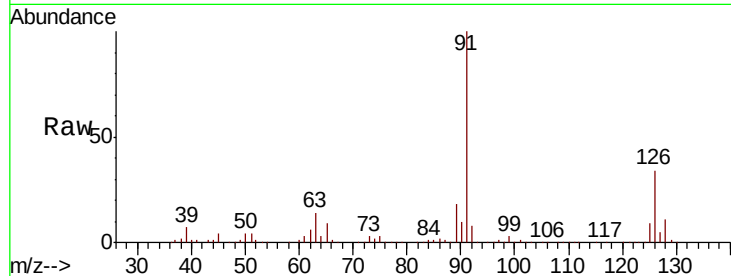




#79
 2-Chlorotoluene
 Concen: 50.363 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

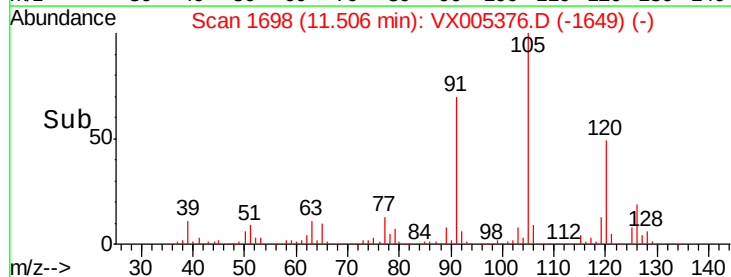
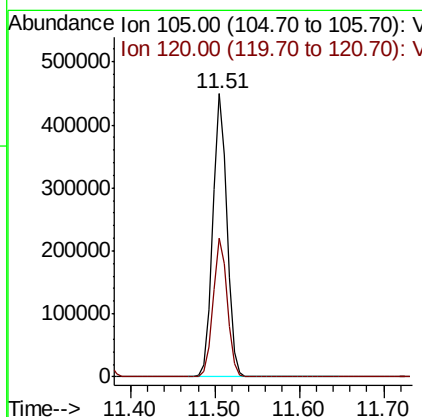
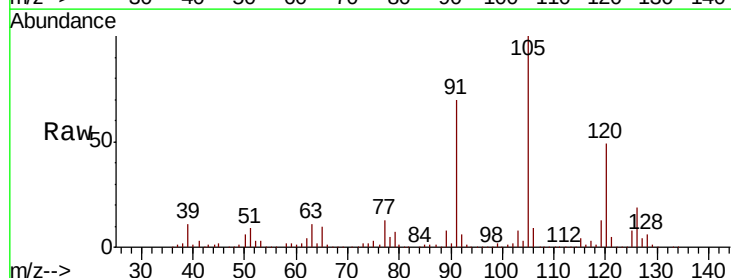
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

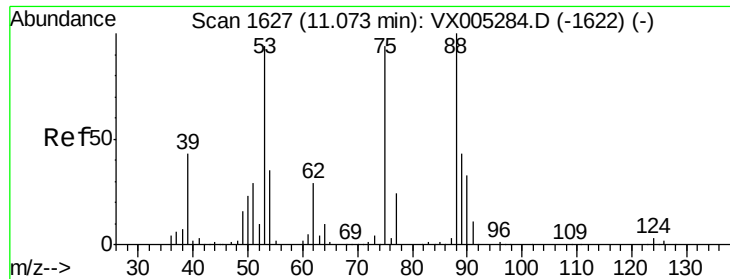
Tgt Ion: 91 Resp: 413656
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.596 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 105 Resp: 524919
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.943 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

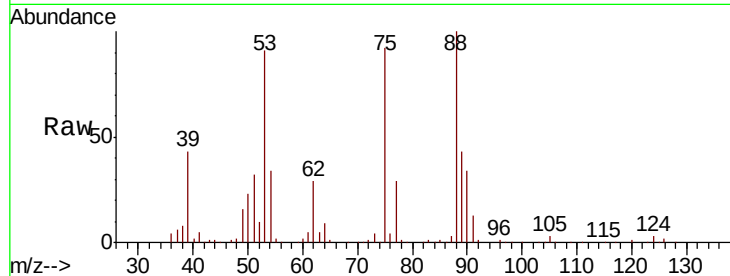
Tgt Ion: 75 Resp: 61253

Ion Ratio Lower Upper

75 100

53 97.1 80.1 120.1

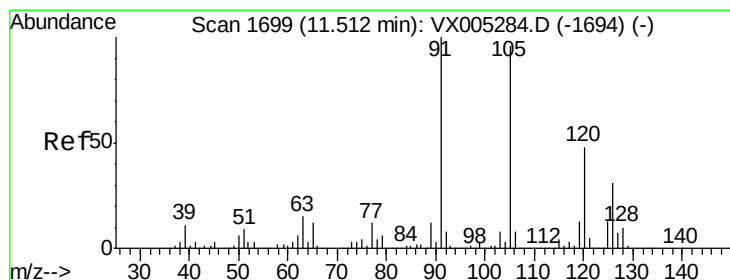
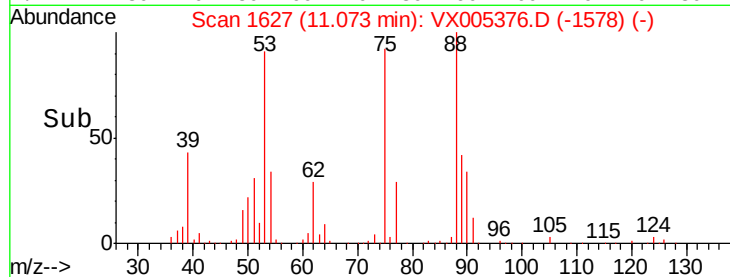
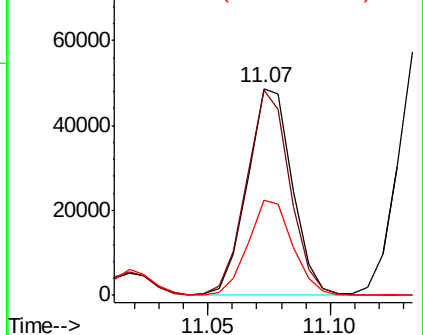
89 46.6 37.2 55.8



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: 50.366 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005376.D

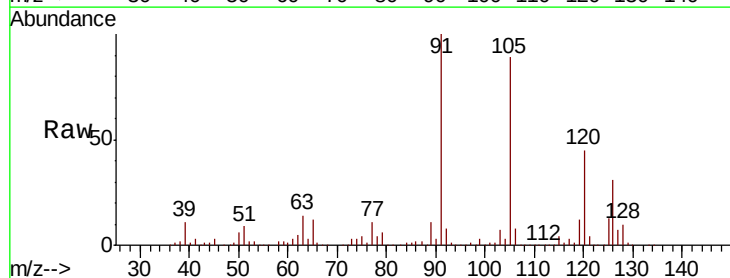
Acq: 16 Oct 2018 18:40

Tgt Ion: 91 Resp: 490379

Ion Ratio Lower Upper

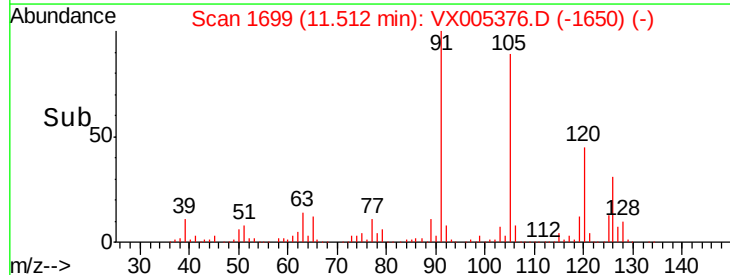
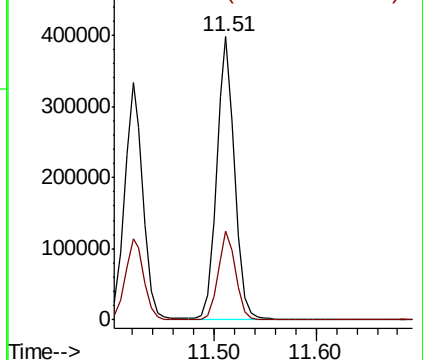
91 100

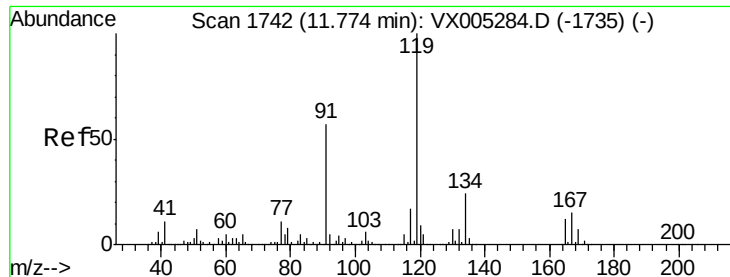
126 30.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

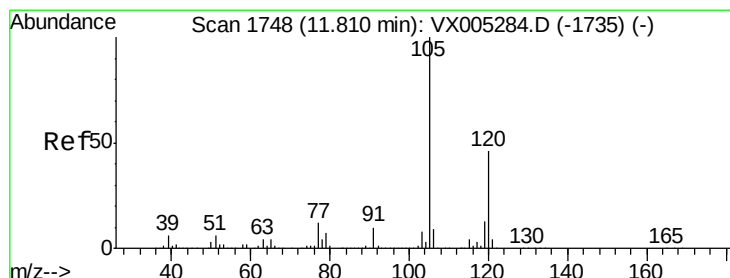
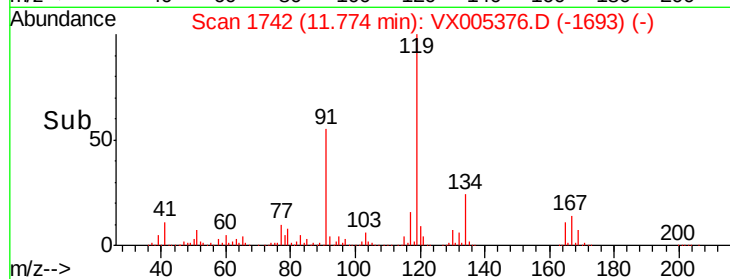
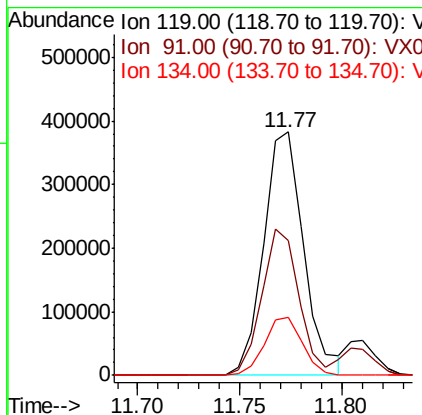
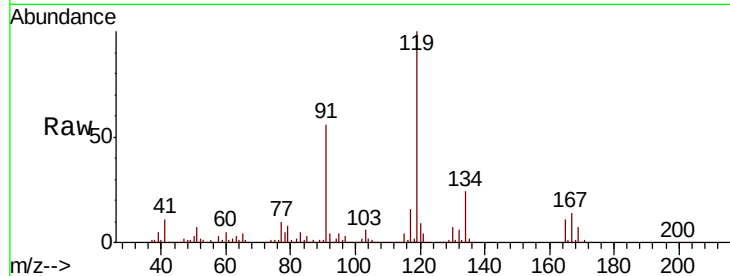




#83
 tert-Butylbenzene
 Concen: 51.818 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

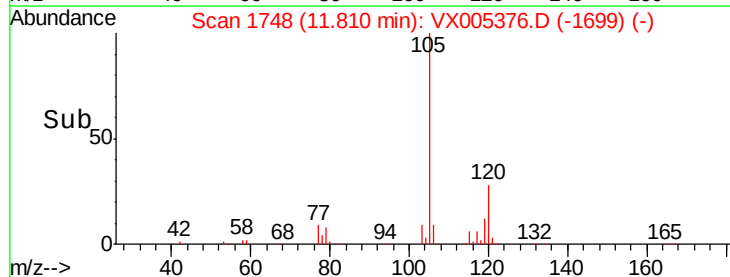
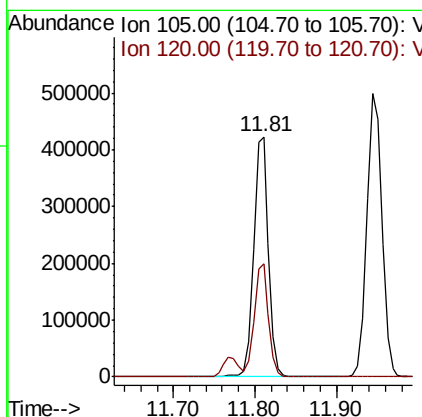
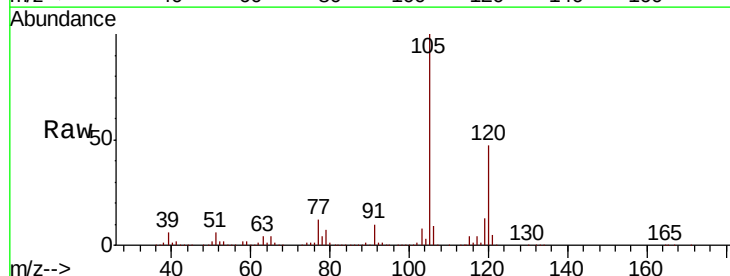
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

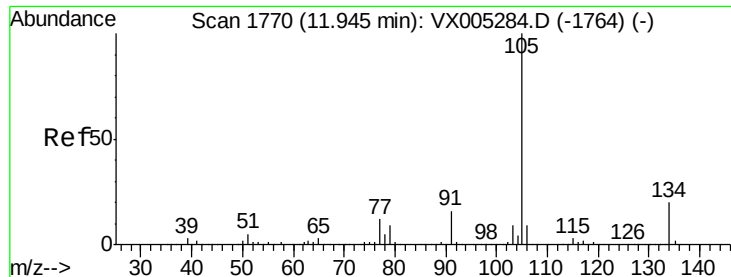
Tgt Ion:119 Resp: 523690
 Ion Ratio Lower Upper
 119 100
 91 55.8 27.0 81.0
 134 22.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.347 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion:105 Resp: 537627
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.2 69.6

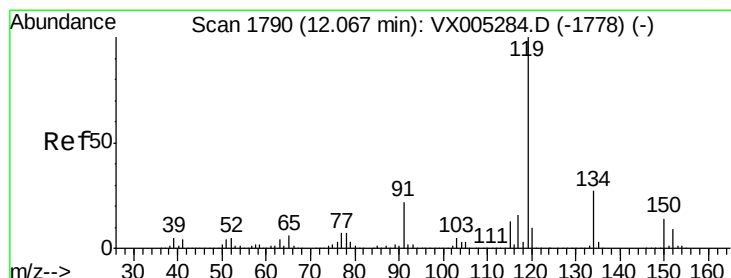
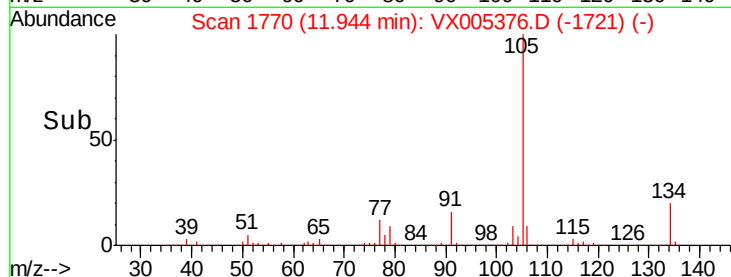
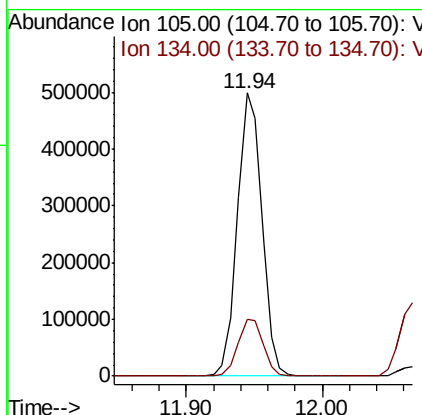
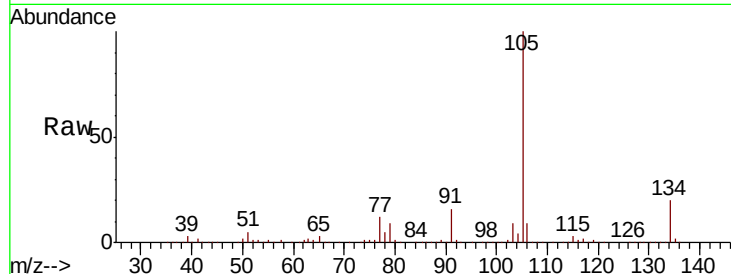




#85
 sec-Butylbenzene
 Concen: 52.457 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

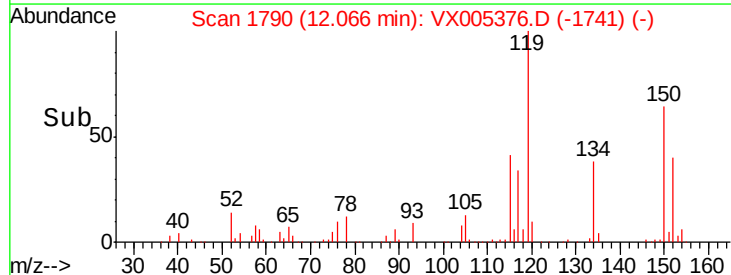
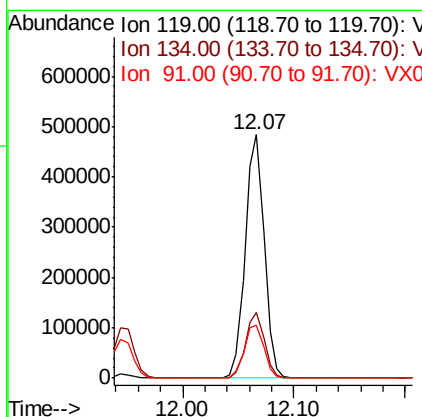
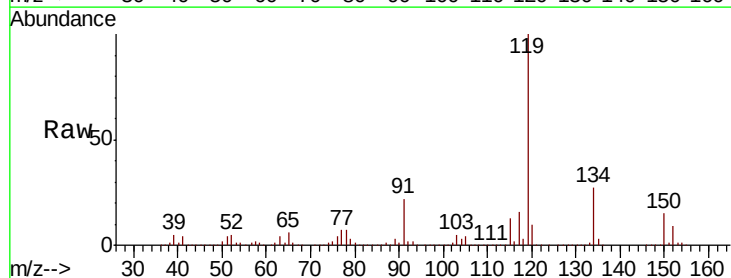
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

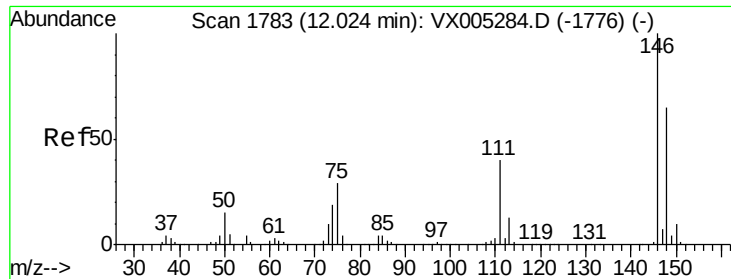
Tgt Ion:105 Resp: 627393
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 52.837 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion:119 Resp: 571168
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.6 10.9 32.7

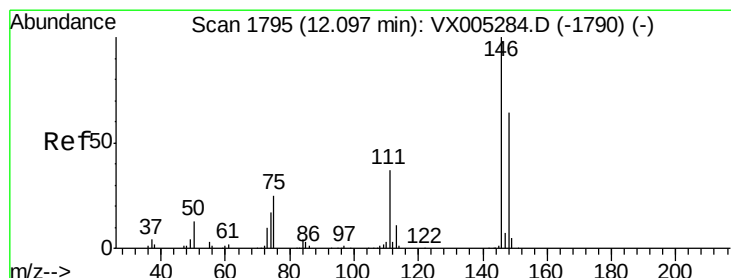
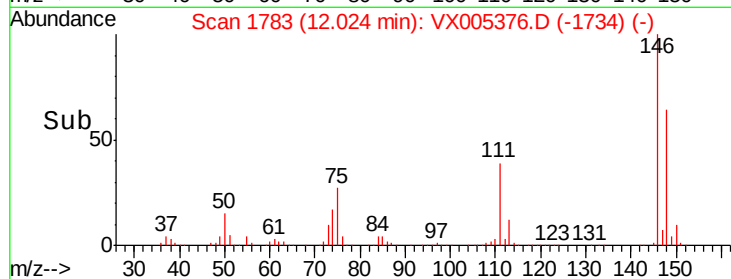
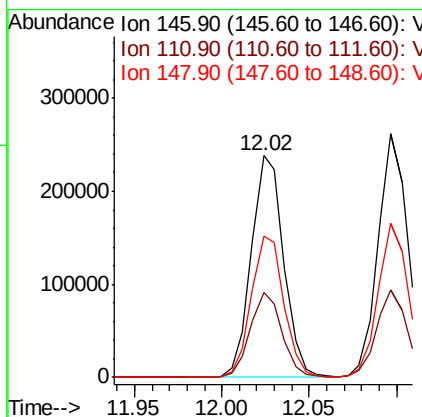
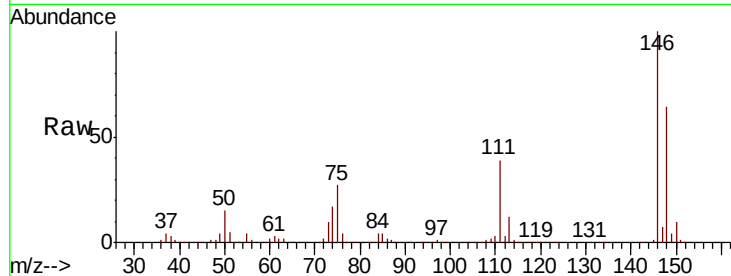




#87
 1,3-Dichlorobenzene
 Concen: 49.081 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

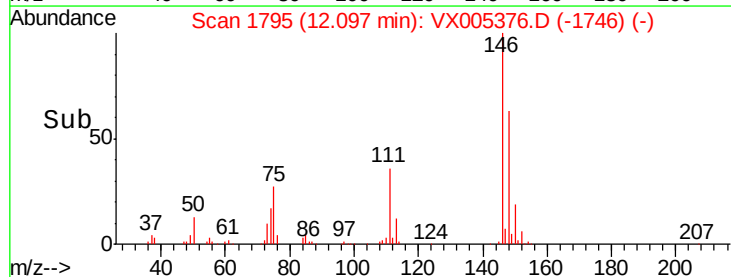
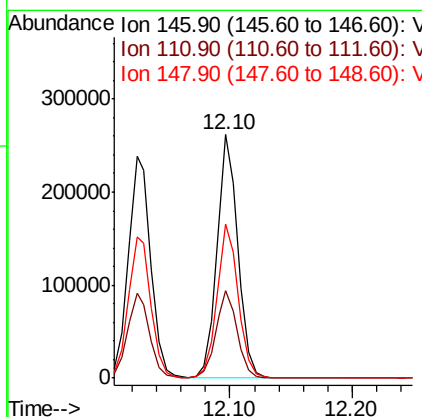
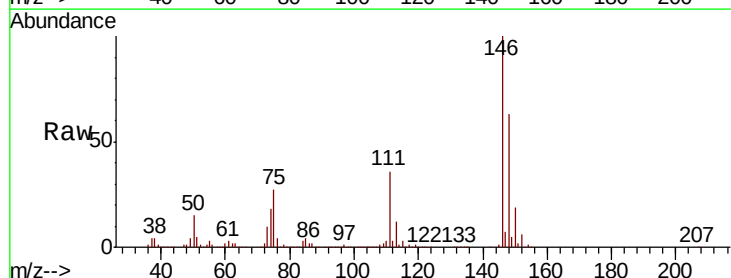
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

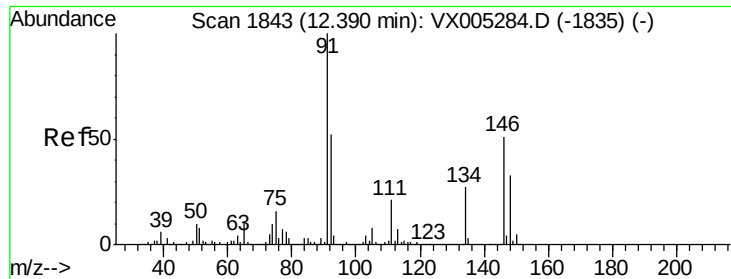
Tgt Ion:146 Resp: 305616
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 64.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.938 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion:146 Resp: 311738
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.1 54.1
 148 64.1 32.0 96.0

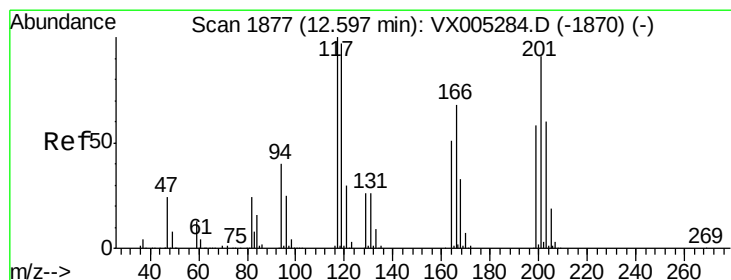
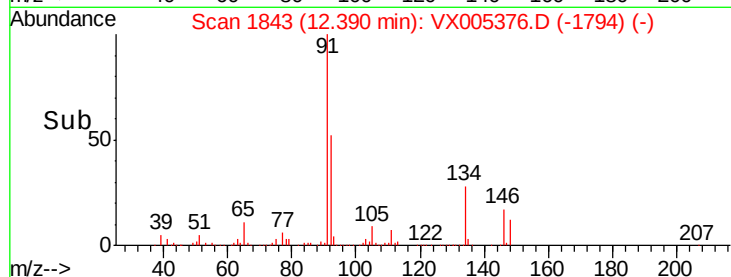
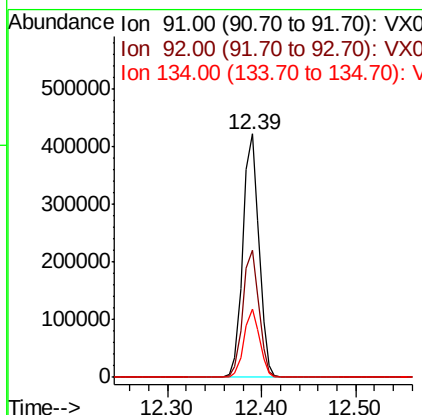
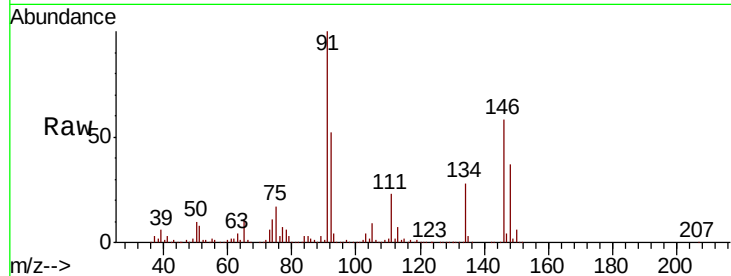




#89
n-Butylbenzene
Concen: 51.094 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

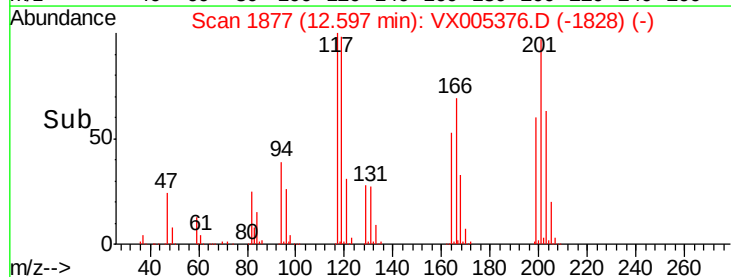
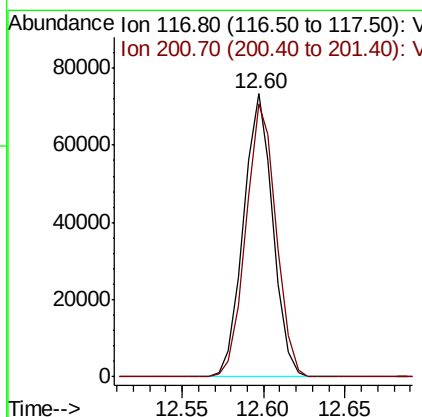
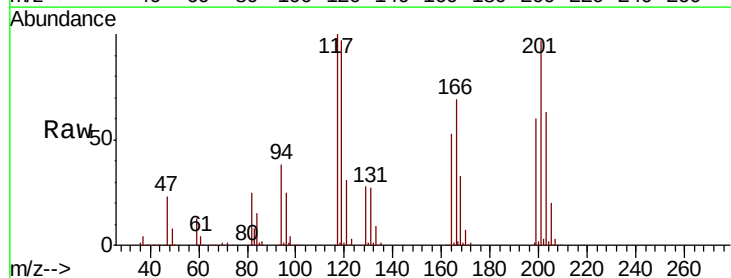
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

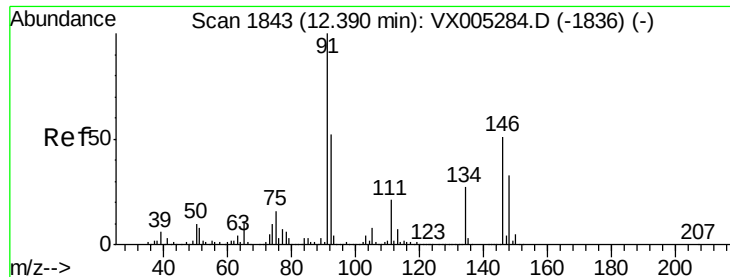
Tgt Ion: 91 Resp: 501496
Ion Ratio Lower Upper
91 100
92 52.3 27.3 81.9
134 27.0 13.6 40.7



#90
Hexachloroethane
Concen: 49.239 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 117 Resp: 91733
Ion Ratio Lower Upper
117 100
201 99.6 46.9 140.6

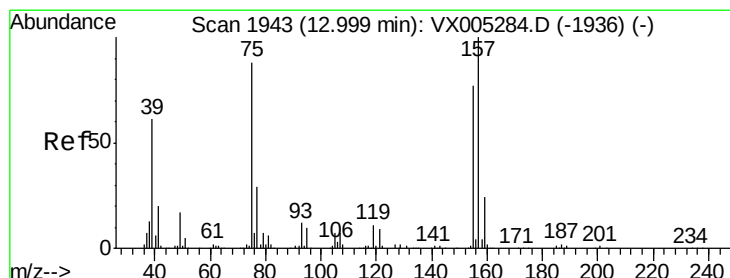
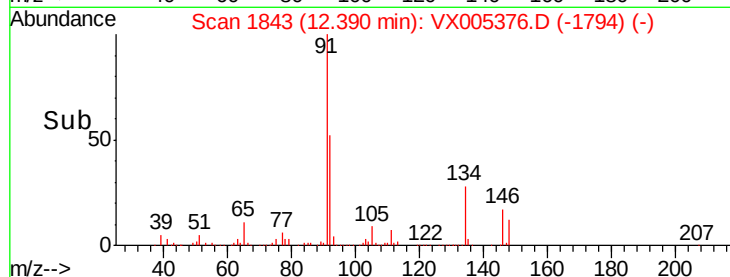
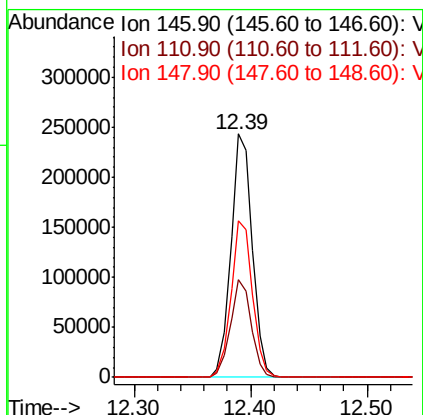
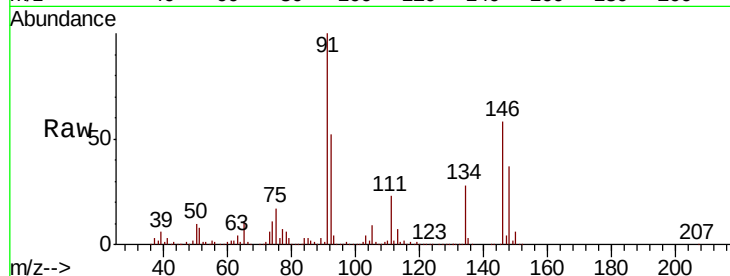




#91
 1,2-Dichlorobenzene
 Concen: 48.862 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

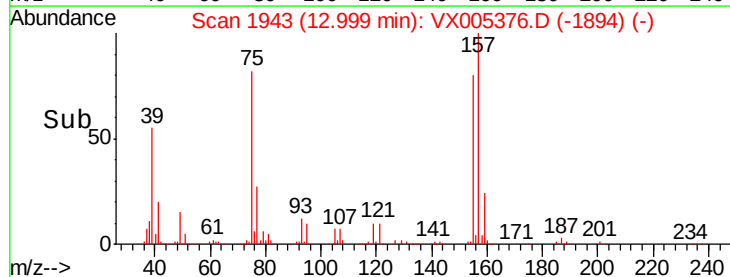
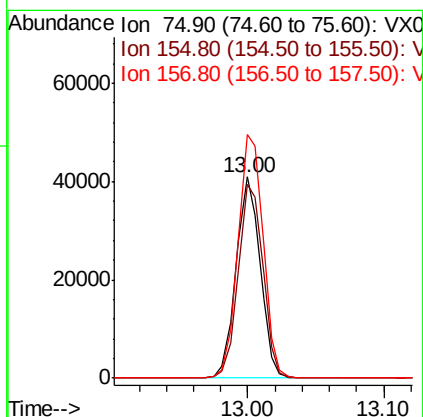
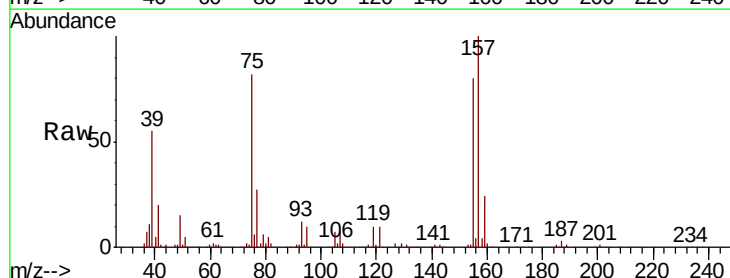
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

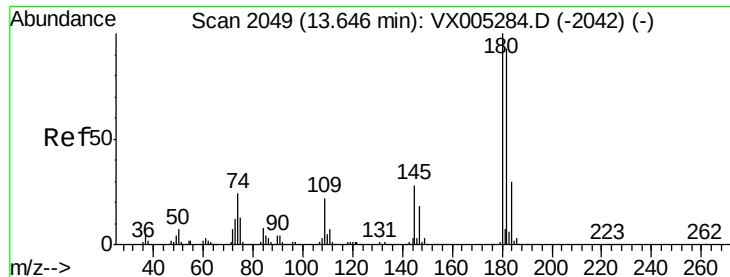
Tgt Ion: 146 Resp: 310484
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.1
 148 64.2 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.037 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 75 Resp: 50442
 Ion Ratio Lower Upper
 75 100
 155 98.7 48.0 144.2
 157 126.3 61.4 184.1

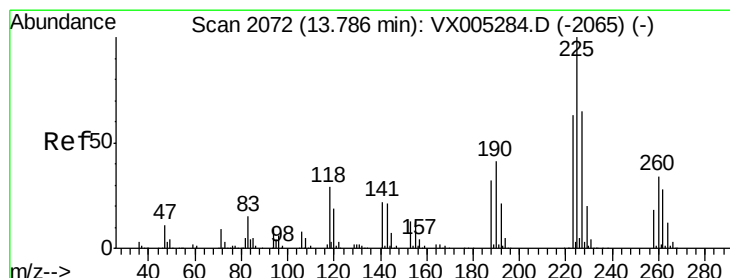
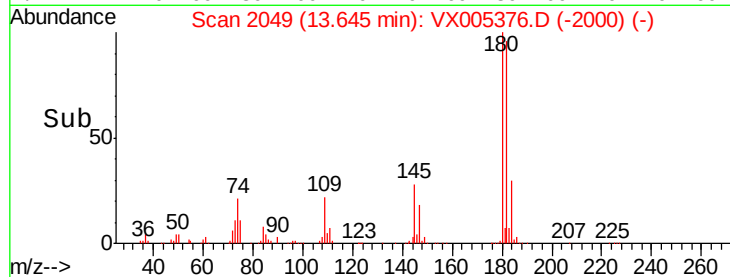
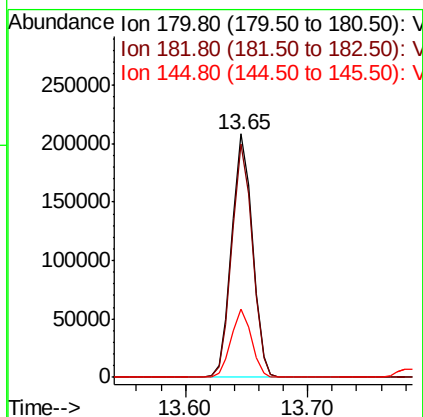
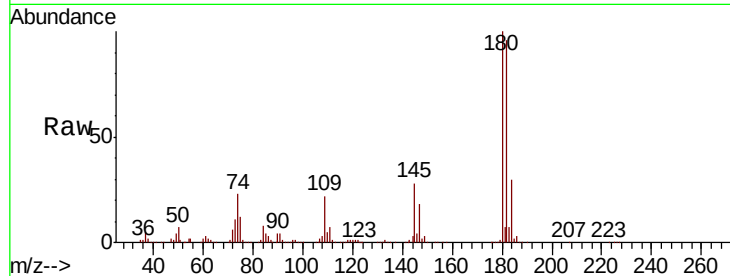




#93
 1,2,4-Trichlorobenzene
 Concen: 51.981 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

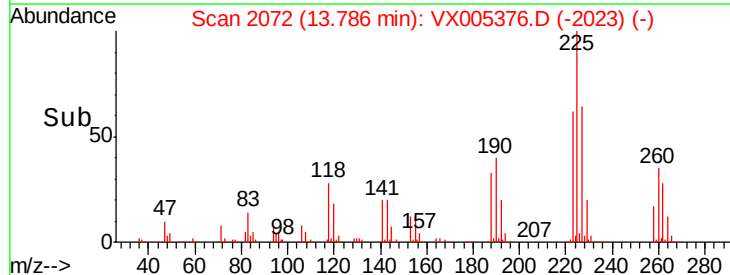
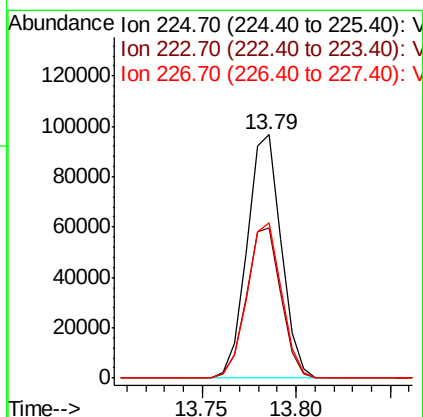
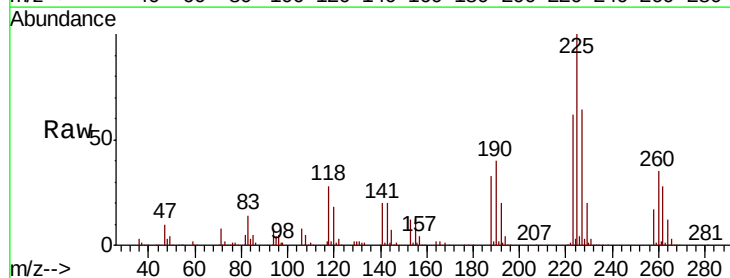
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

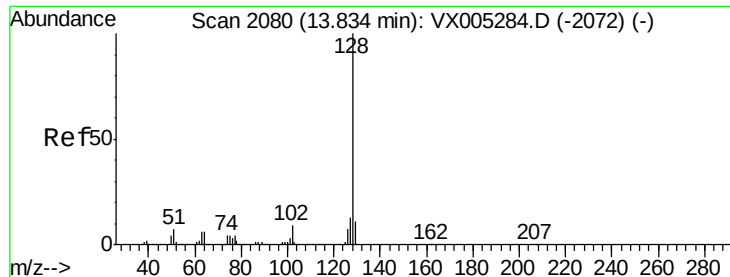
Tgt Ion:180 Resp: 242332
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.4 145.0
 145 27.6 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 49.382 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion:225 Resp: 121588
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.1 90.5
 227 64.0 30.8 92.4

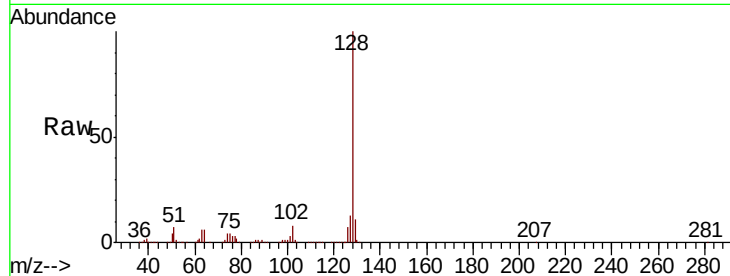




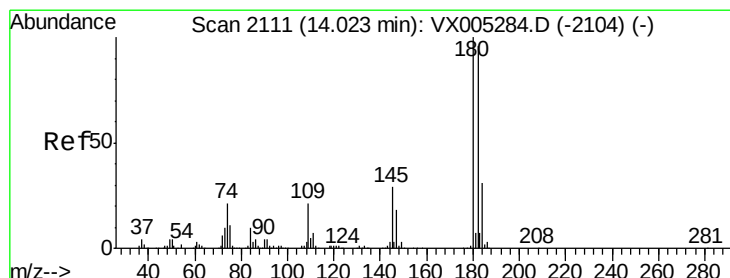
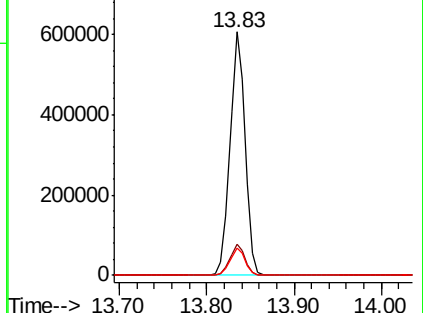
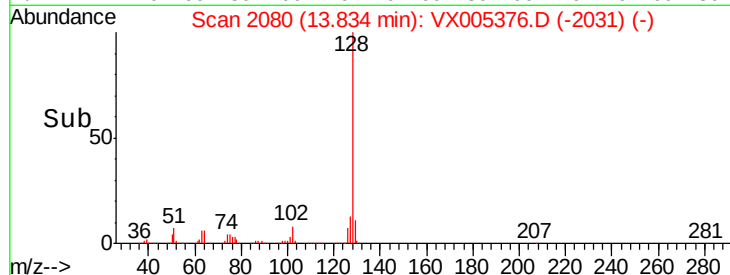
#95
Naphthalene
Concen: 53.812 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 727544
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.0 8.6 12.8

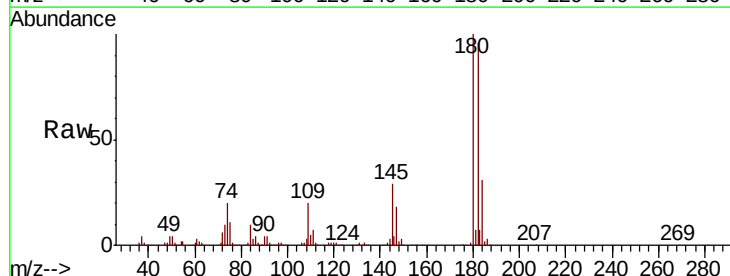


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.316 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion:180 Resp: 244783
Ion Ratio Lower Upper
180 100
182 96.1 48.5 145.6
145 29.8 14.9 44.9



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

