

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005464.D
 Acq On : 19 Oct 2018 17:53
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 20 04:22:16 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	250063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193710	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	143008	51.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	5.51	113	117219	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	8.71	98	428908	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.14	95	163952	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	90385	46.229	ug/l	98
3) Chloromethane	1.32	50	124961	44.108	ug/l	96
4) Vinyl Chloride	1.40	62	131977	45.987	ug/l	100
5) Bromomethane	1.64	94	76921	47.487	ug/l	99
6) Chloroethane	1.71	64	83963	49.484	ug/l	100
7) Trichlorofluoromethane	1.92	101	188546	49.231	ug/l	95
8) Diethyl Ether	2.18	74	85770	52.444	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111533	50.456	ug/l	94
10) Methyl Iodide	2.51	142	152306	62.200	ug/l	99
11) Tert butyl alcohol	3.08	59	192165	245.461	ug/l	100
12) 1,1-Dichloroethene	2.37	96	105659	48.243	ug/l	98
13) Acrolein	2.29	56	117431	234.935	ug/l	97
14) Allyl chloride	2.73	41	236486	49.181	ug/l	95
15) Acrylonitrile	3.15	53	431125	243.017	ug/l	98
16) Acetone	2.45	43	397360	247.630	ug/l	96
17) Carbon Disulfide	2.57	76	279825	42.176	ug/l	99
18) Methyl Acetate	2.78	43	245905	53.865	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	405183	52.529	ug/l	98
20) Methylene Chloride	2.85	84	125750	53.884	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	114040	46.985	ug/l	97
22) Diisopropyl ether	3.87	45	405868	50.253	ug/l	97
23) Vinyl Acetate	3.82	43	1712334	242.571	ug/l	96
24) 1,1-Dichloroethane	3.69	63	238806	51.592	ug/l	95
25) 2-Butanone	4.70	43	571060	243.232	ug/l	97
26) 2,2-Dichloropropane	4.58	77	169122	48.854	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	128790	48.825	ug/l	98
28) Bromochloromethane	5.01	49	110820	52.519	ug/l	94
29) Tetrahydrofuran	5.16	42	365791	244.252	ug/l	96
30) Chloroform	5.21	83	210709	49.044	ug/l	98
31) Cyclohexane	5.57	56	174022	45.615	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	185562	49.638	ug/l	99
36) 1,1-Dichloropropene	5.80	75	153167	43.032	ug/l	99
37) Ethyl Acetate	4.87	43	208784	45.611	ug/l	98
38) Carbon Tetrachloride	5.78	117	164910	46.110	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	171426	44.500	ug/l	96
40) Benzene	6.15	78	496723	46.521	ug/l	96
41) Methacrylonitrile	5.06	41	116042	47.287	ug/l	97
42) 1,2-Dichloroethane	6.20	62	169470	44.950	ug/l	98
43) Isopropyl Acetate	6.46	43	314480	51.574	ug/l	97
44) Trichloroethene	7.21	130	130675	47.905	ug/l	97
45) 1,2-Dichloropropane	7.52	63	124805	47.651	ug/l	99
46) Dibromomethane	7.66	93	81899	47.377	ug/l	98
47) Bromodichloromethane	7.90	83	160172	50.092	ug/l	100
48) Methyl methacrylate	7.77	41	158423	50.094	ug/l	95
49) 1,4-Dioxane	7.76	88	66912	917.320	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1077611	255.233	ug/l	96
52) Toluene	8.79	92	298060	51.025	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	180936	52.288	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	194546	51.886	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	125438	50.698	ug/l	98
56) Ethyl methacrylate	9.18	69	196052	54.355	ug/l	97
57) 1,3-Dichloropropane	9.37	76	207356	50.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	535137	264.550	ug/l	96
59) 2-Hexanone	9.50	43	849573	250.150	ug/l	95
60) Dibromochloromethane	9.59	129	133210	52.086	ug/l	99
61) 1,2-Dibromoethane	9.68	107	129887	50.022	ug/l	99
64) Tetrachloroethene	9.34	164	132497	48.360	ug/l	99
65) Chlorobenzene	10.14	112	341946	47.235	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	127186	49.302	ug/l	98
67) Ethyl Benzene	10.26	91	574063	48.780	ug/l	100
68) m/p-Xylenes	10.36	106	451010	98.737	ug/l	97
69) o-Xylene	10.70	106	216747	49.201	ug/l	97
70) Styrene	10.71	104	370551	51.139	ug/l	98
71) Bromoform	10.86	173	113697	49.319	ug/l	98
73) Isopropylbenzene	11.02	105	593319	51.524	ug/l	99
74) N-amyl acetate	10.90	43	282792	50.916	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	206703	47.584	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	239657	63.782	ug/l	88
77) Bromobenzene	11.26	156	162935	49.485	ug/l	98
78) n-propylbenzene	11.36	91	672831	50.775	ug/l	100
79) 2-Chlorotoluene	11.42	91	403659	49.739	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	504704	51.181	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	61994	50.132	ug/l	95
82) 4-Chlorotoluene	11.51	91	481155	50.014	ug/l	100
83) tert-Butylbenzene	11.77	119	506735	50.745	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	522978	51.534	ug/l	98
85) sec-Butylbenzene	11.94	105	599934	50.766	ug/l	99
86) p-Isopropyltoluene	12.07	119	551449	51.628	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	300757	48.883	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	304719	48.413	ug/l	99
89) n-Butylbenzene	12.39	91	484628	49.971	ug/l	98
90) Hexachloroethane	12.60	117	87800	47.696	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	305590	48.672	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51491	48.594	ug/l	99

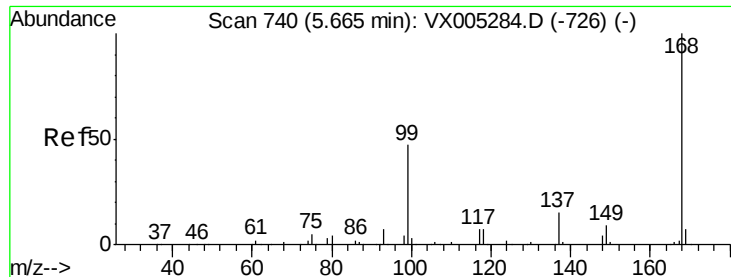
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	241385	52.402	ug/l	99
94) Hexachlorobutadiene	13.79	225	116470	47.874	ug/l	98
95) Naphthalene	13.83	128	741621	55.514	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	246751	52.353	ug/l	98

(#) = 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: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

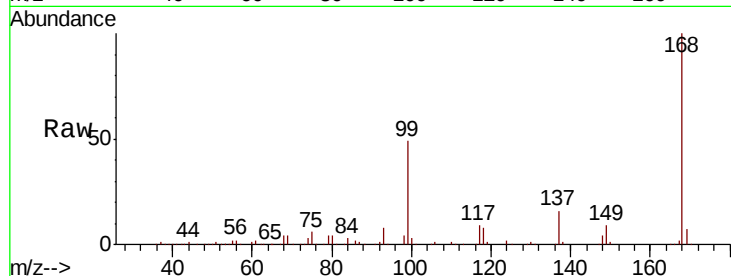
VSTDCCC050EC

Tot Ion:168 Resp: 250063

Ion Ratio Lower Upper

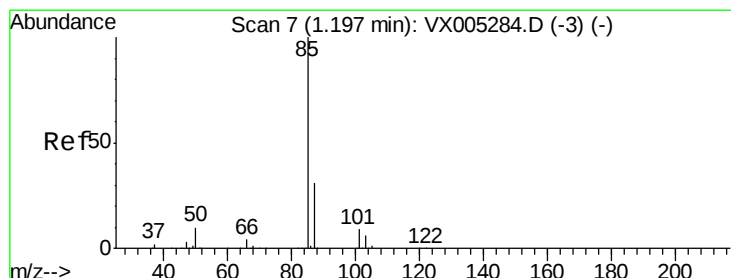
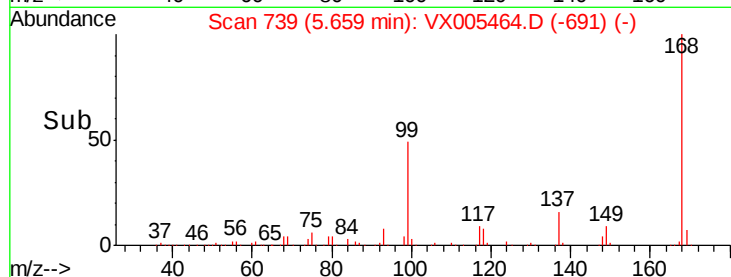
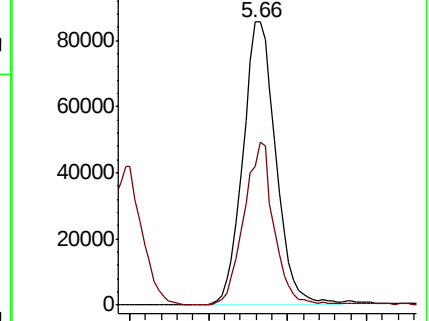
168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.229 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005464.D

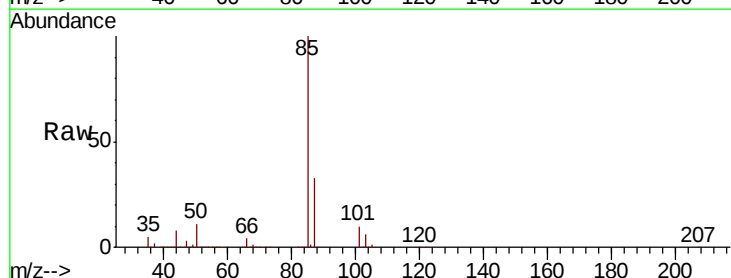
Acq: 19 Oct 2018 17:53

Tgt Ion: 85 Resp: 90385

Ion Ratio Lower Upper

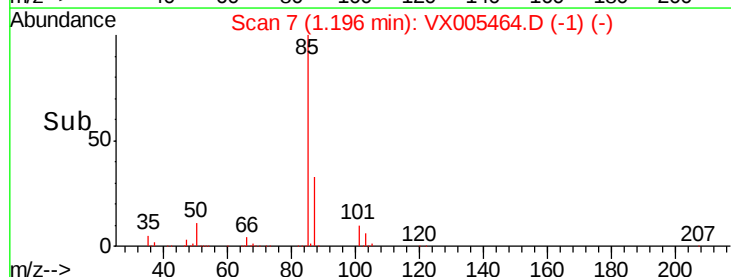
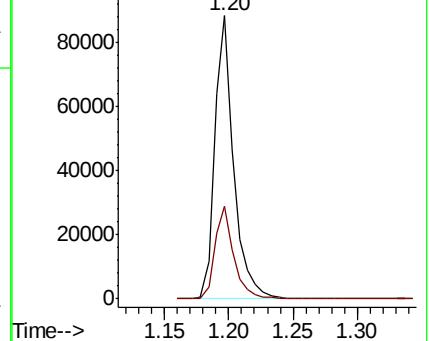
85 100

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





#3

Chloromethane

Concen: 44.108 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

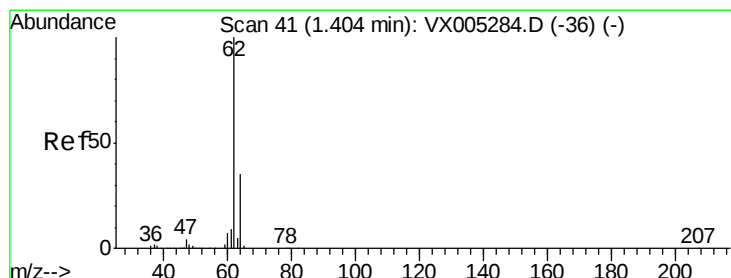
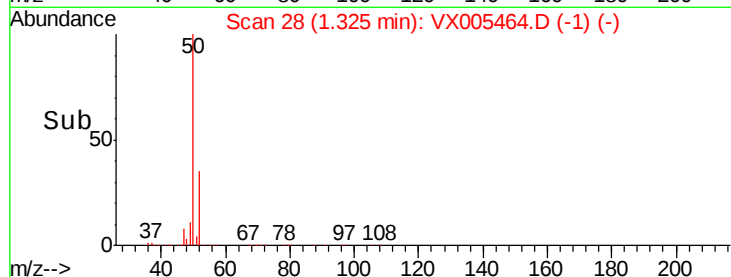
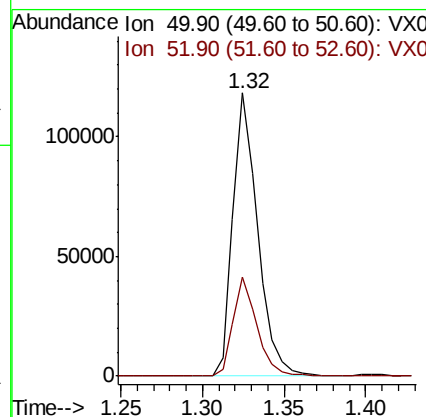
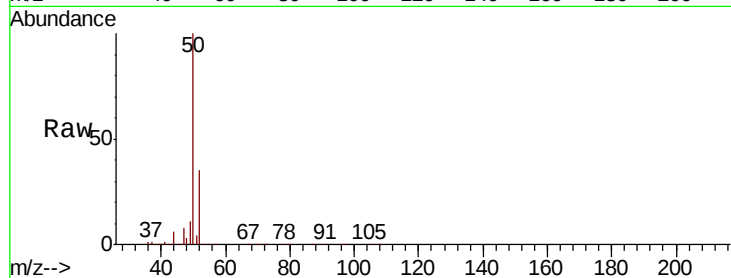
VSTDCCC050EC

Tot Ion: 50 Resp: 124961

Ion Ratio Lower Upper

50 100

52 34.9 26.2 39.2



#4

Vinyl Chloride

Concen: 45.987 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005464.D

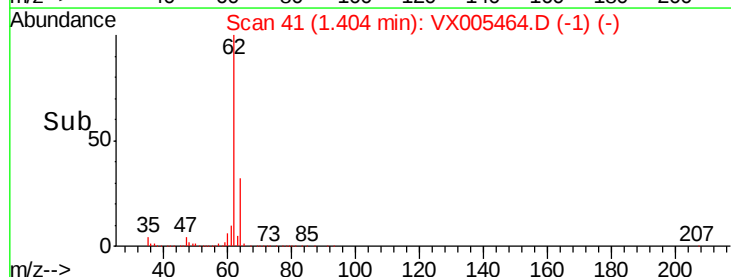
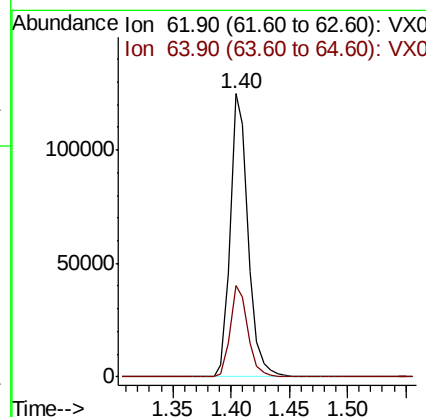
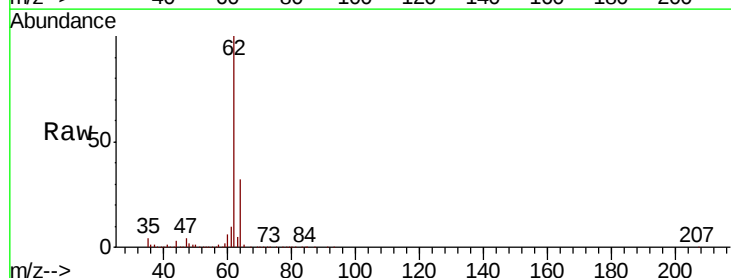
Acq: 19 Oct 2018 17:53

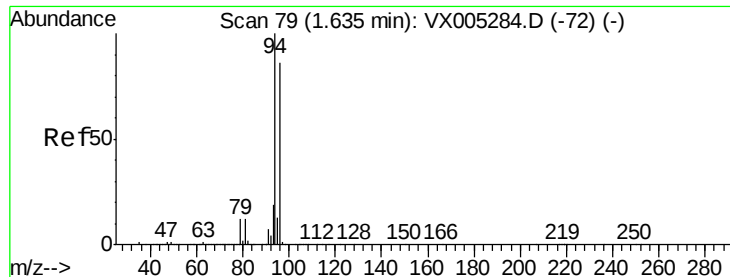
Tgt Ion: 62 Resp: 131977

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 47.487 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

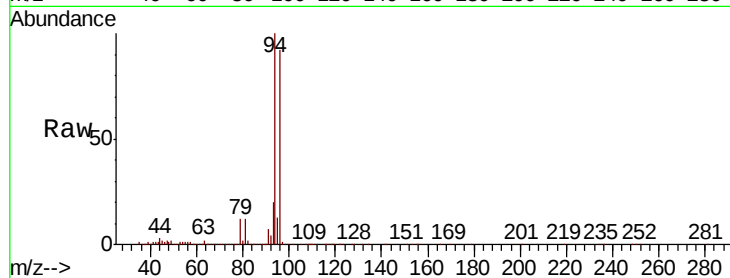
VSTDCCC050EC

Tot Ion: 94 Resp: 76921

Ion Ratio Lower Upper

94 100

96 92.1 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

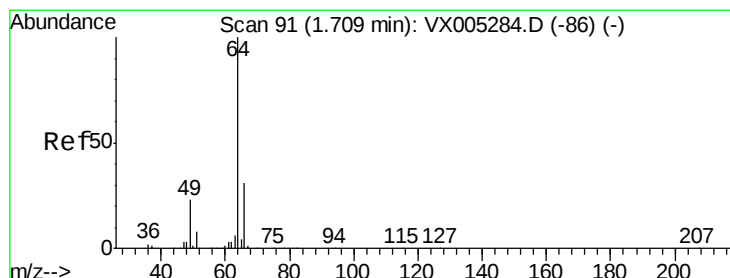
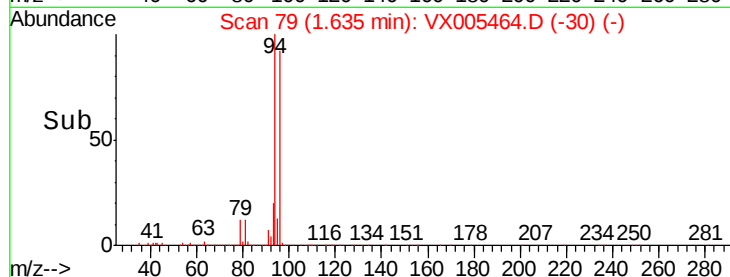
40000

20000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 49.484 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005464.D

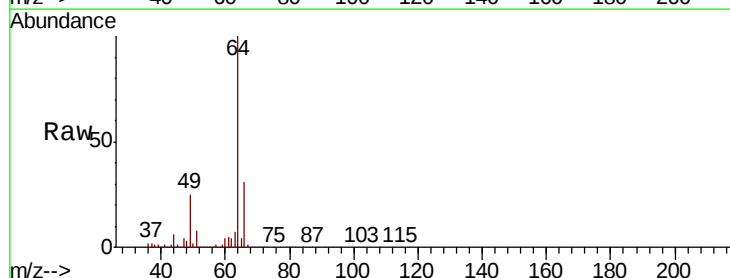
Acq: 19 Oct 2018 17:53

Tgt Ion: 64 Resp: 83963

Ion Ratio Lower Upper

64 100

66 30.9 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

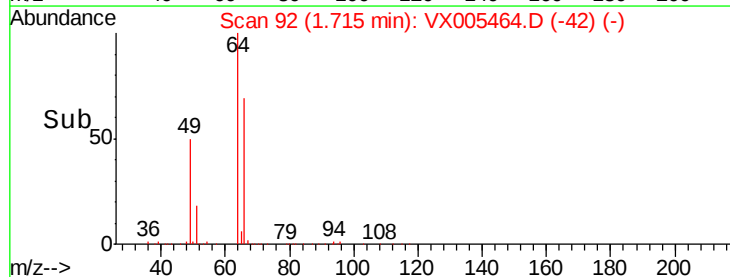
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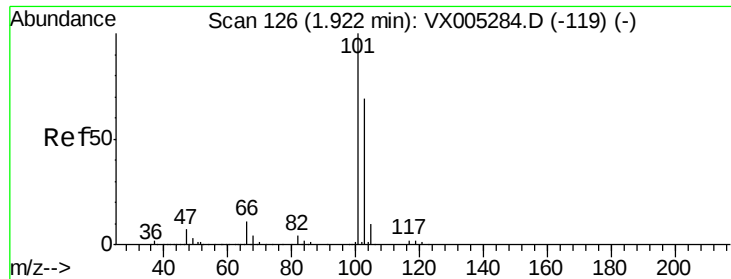
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0

Time-->

1.65 1.70 1.75 1.80 1.85



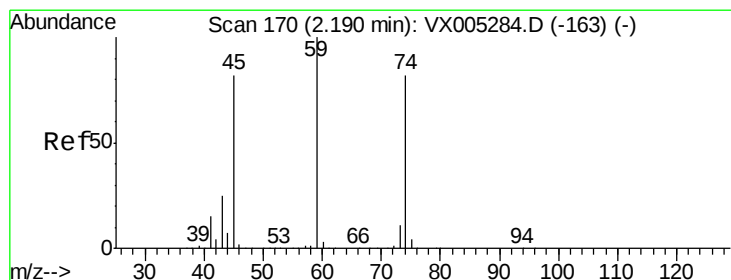
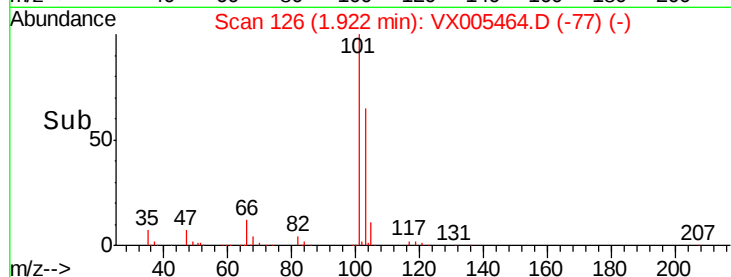
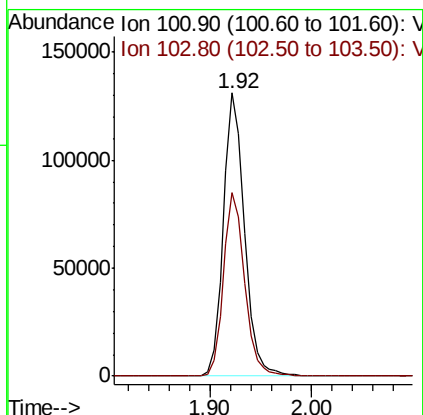
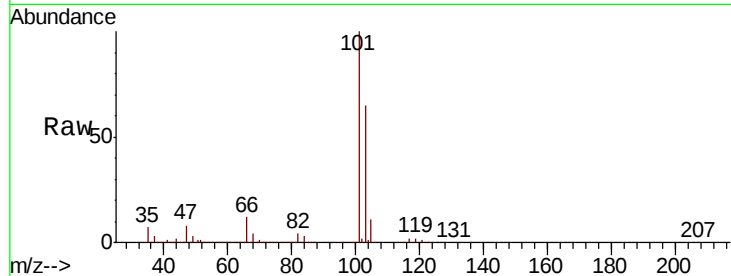


#7

Trichlorofluoromethane
 Concen: 49.231 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

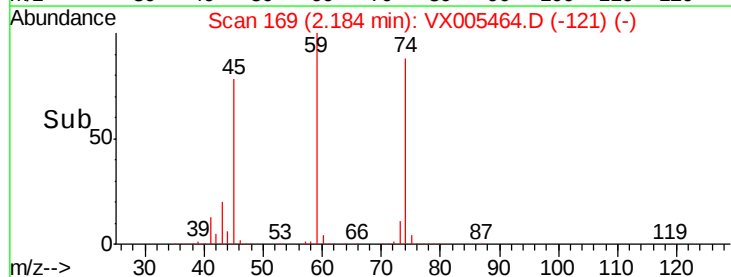
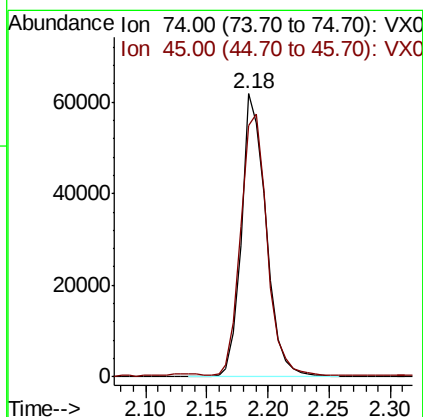
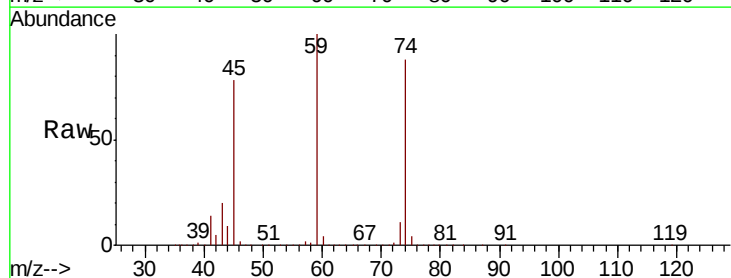
Tot Ion:101 Resp: 188546
 Ion Ratio Lower Upper
 101 100
 103 64.7 48.9 73.3

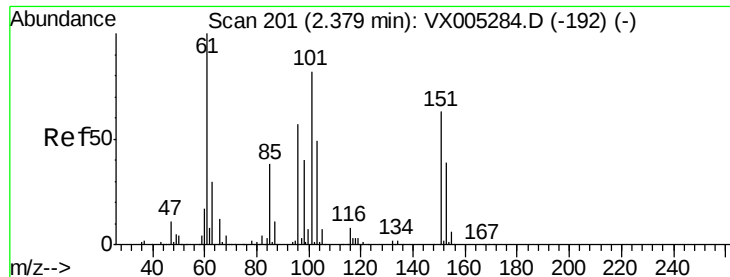


#8

Diethyl Ether
 Concen: 52.444 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion: 74 Resp: 85770
 Ion Ratio Lower Upper
 74 100
 45 99.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.456 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

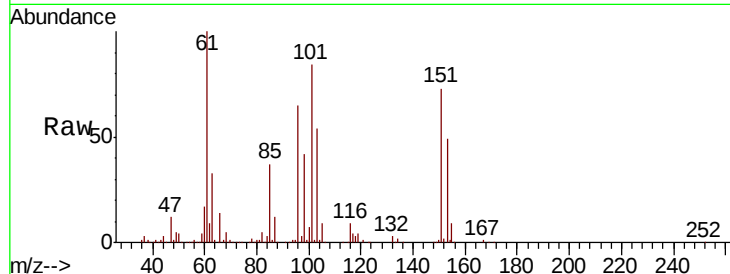
Tot Ion:101 Resp: 111533

Ion Ratio Lower Upper

101 100

85 45.5 34.2 51.4

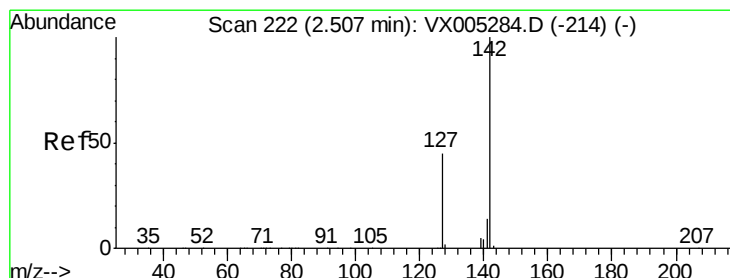
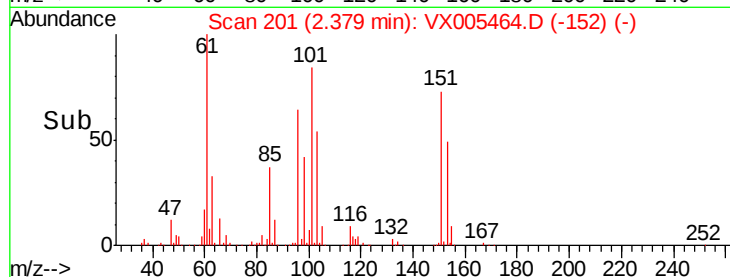
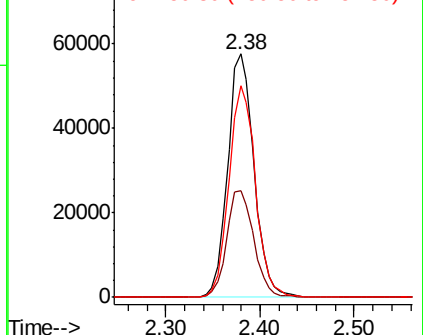
151 87.8 65.0 97.6



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: 62.200 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

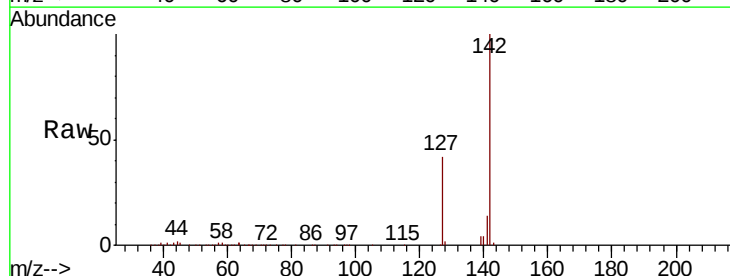
Tgt Ion:142 Resp: 152306

Ion Ratio Lower Upper

142 100

127 41.4 33.8 50.6

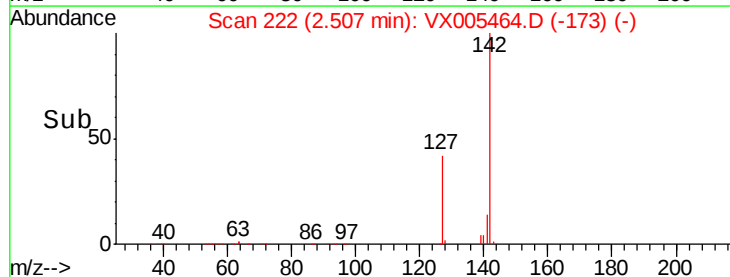
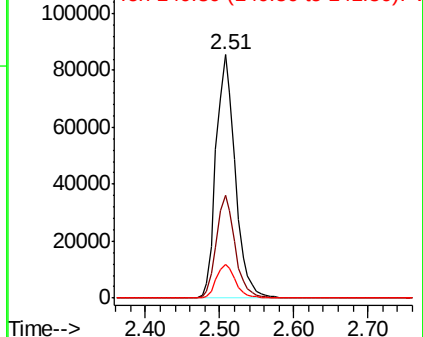
141 13.9 11.4 17.0



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



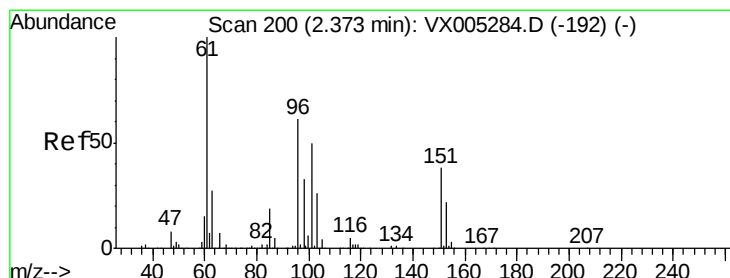
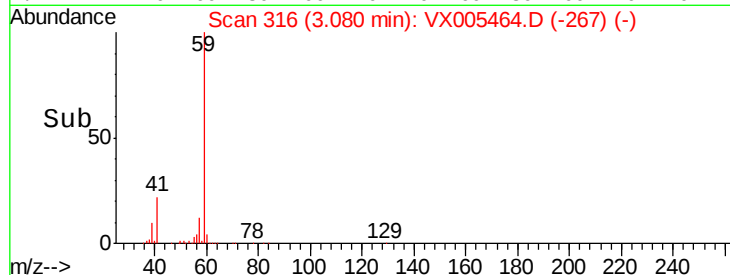
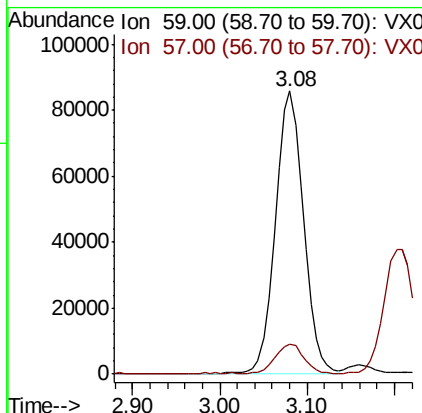
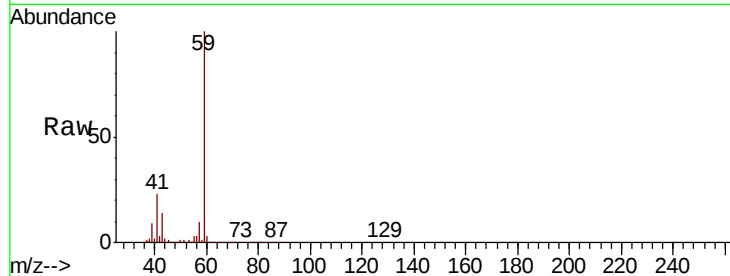


#11

Tert butyl alcohol
 Concen: 245.461 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

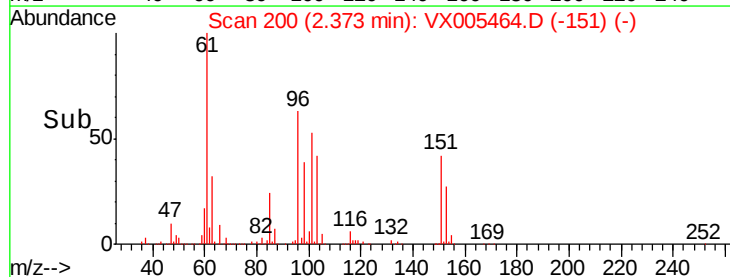
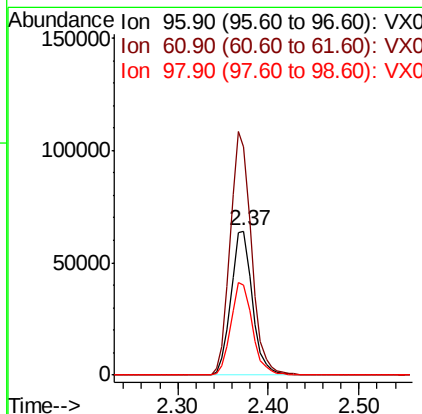
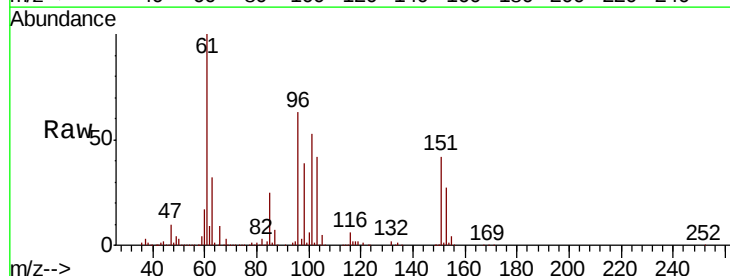
Tot Ion: 59 Resp: 192165
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

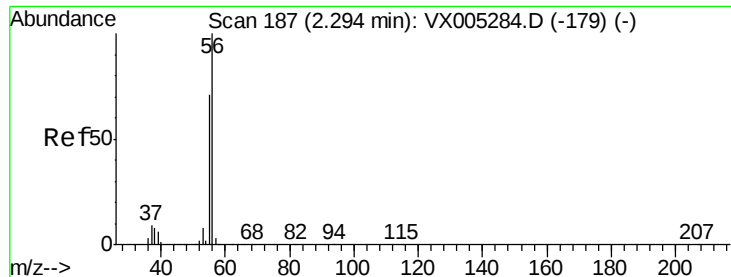


#12

1,1-Dichloroethene
 Concen: 48.243 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion: 96 Resp: 105659
 Ion Ratio Lower Upper
 96 100
 61 158.3 128.8 193.2
 98 62.4 52.2 78.2





#13

Acrolein

Concen: 234.935 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

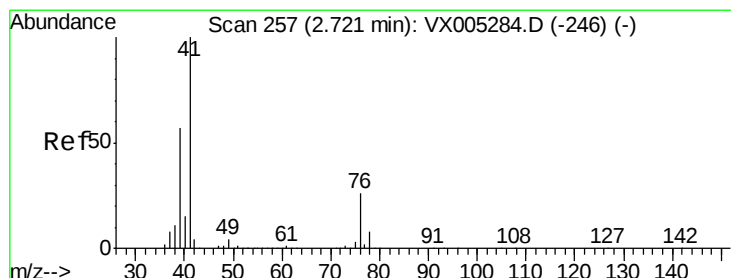
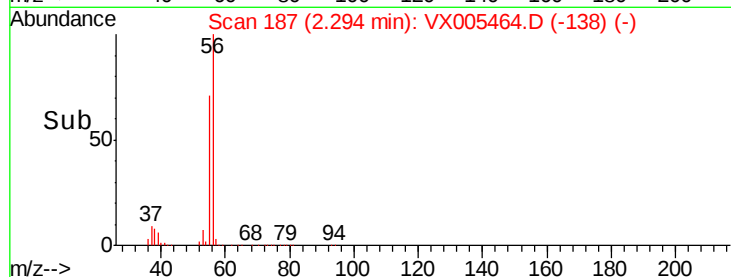
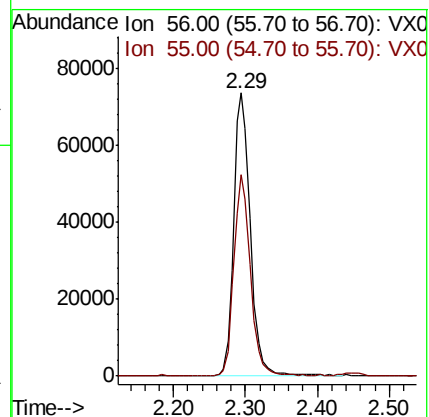
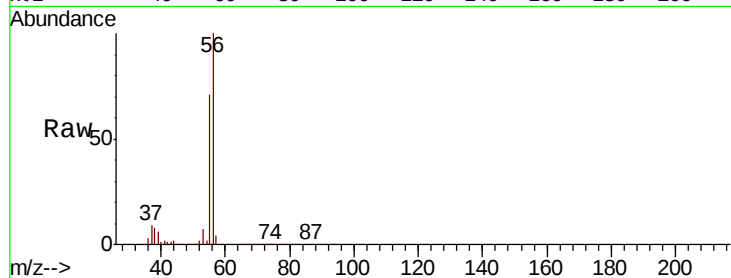
VSTDCCC050EC

Tot Ion: 56 Resp: 117431

Ion Ratio Lower Upper

56 100

55 70.8 54.7 82.1



#14

Allyl chloride

Concen: 49.181 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

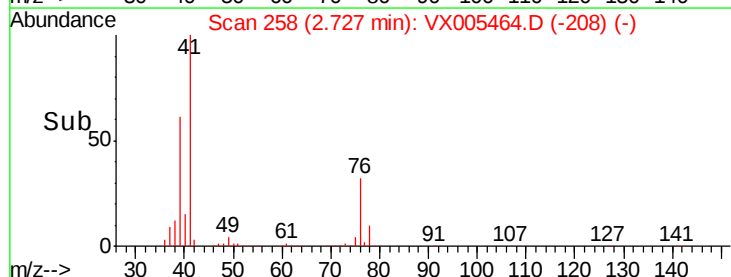
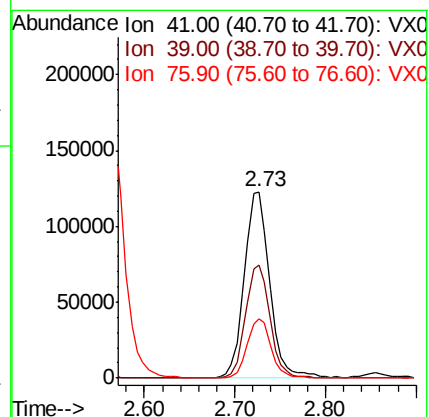
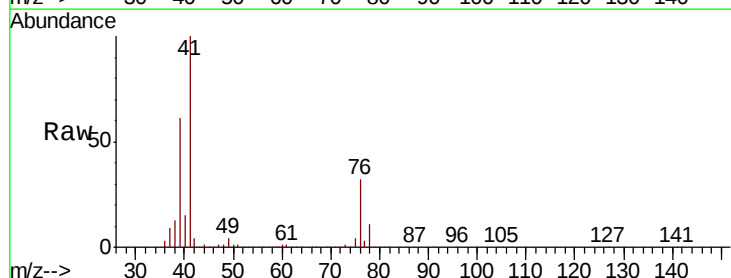
Tgt Ion: 41 Resp: 236486

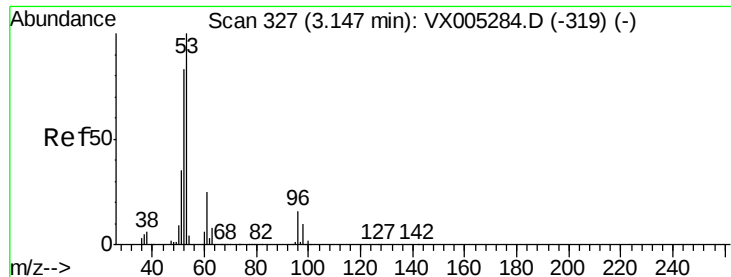
Ion Ratio Lower Upper

41 100

39 58.4 48.9 73.3

76 29.9 26.7 40.1





#15

Acrylonitrile

Concen: 243.017 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

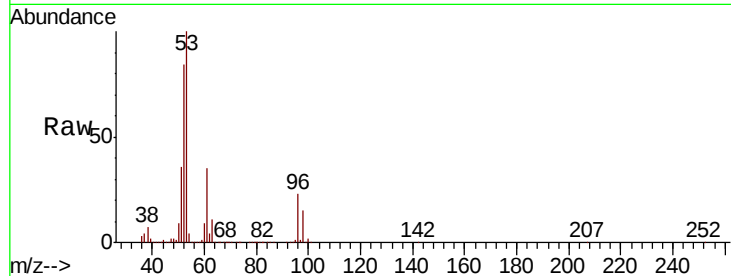
Tot Ion: 53 Resp: 431125

Ion Ratio Lower Upper

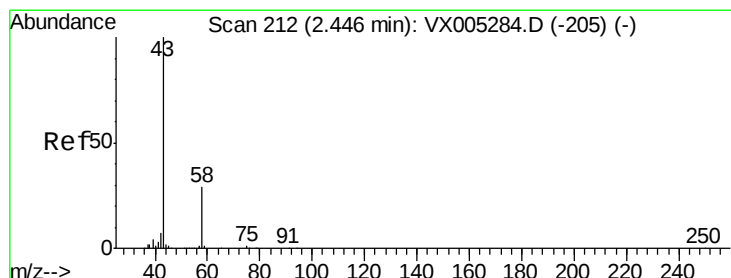
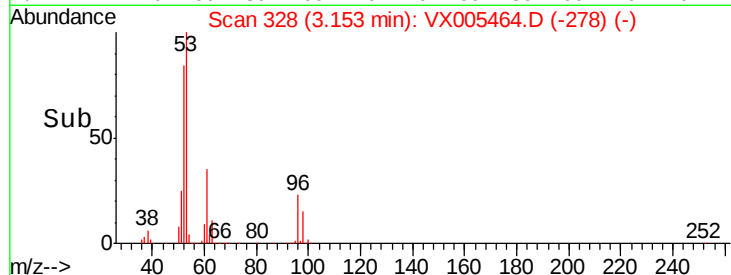
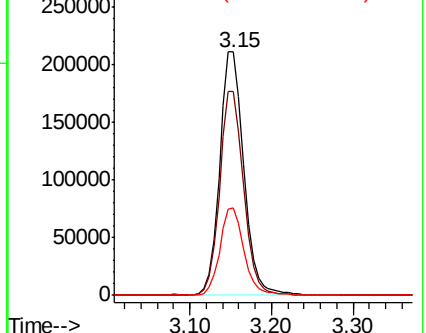
53 100

52 83.7 65.2 97.8

51 36.0 28.2 42.2



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



#16

Acetone

Concen: 247.630 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005464.D

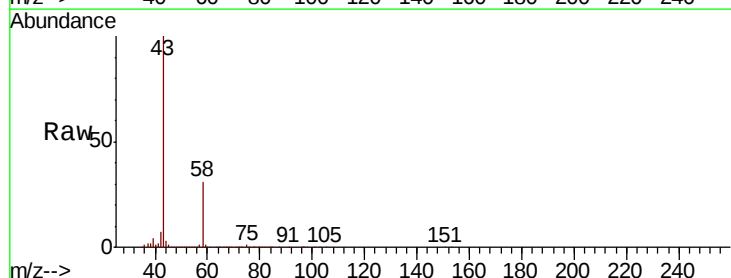
Acq: 19 Oct 2018 17:53

Tgt Ion: 43 Resp: 397360

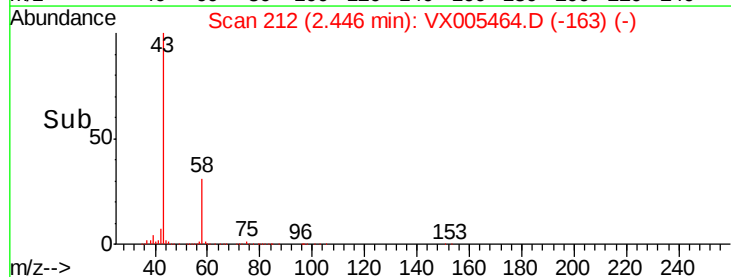
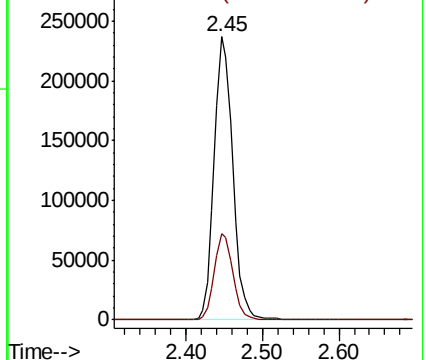
Ion Ratio Lower Upper

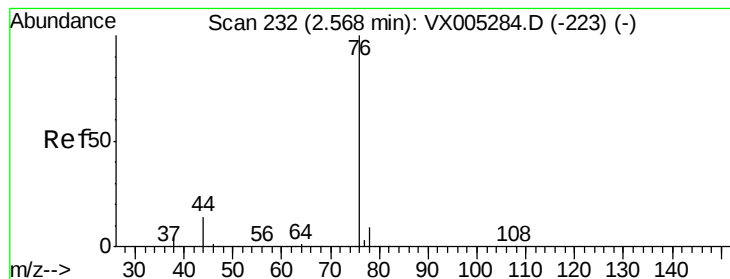
43 100

58 30.6 26.2 39.4



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





#17

Carbon Disulfide

Concen: 42.176 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

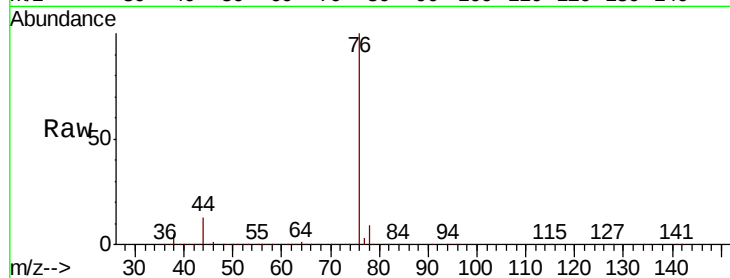
VSTDCCC050EC

Tot Ion: 76 Resp: 279825

Ion Ratio Lower Upper

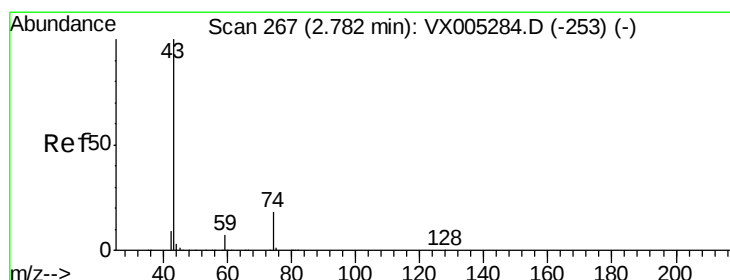
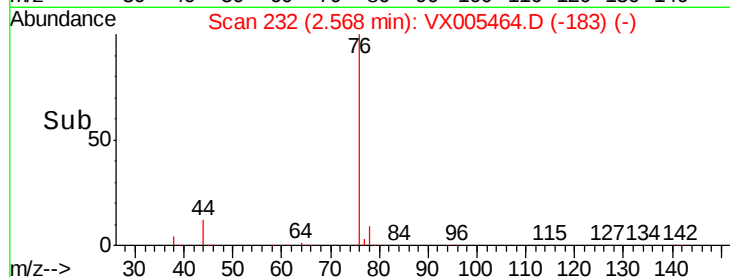
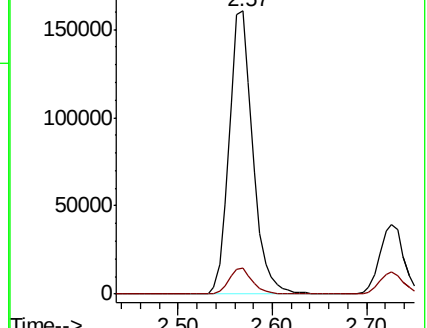
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX005464.D (-183) (-)

Ion 77.90 (77.60 to 78.60): VX005464.D (-183) (-)



#18

Methyl Acetate

Concen: 53.865 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005464.D

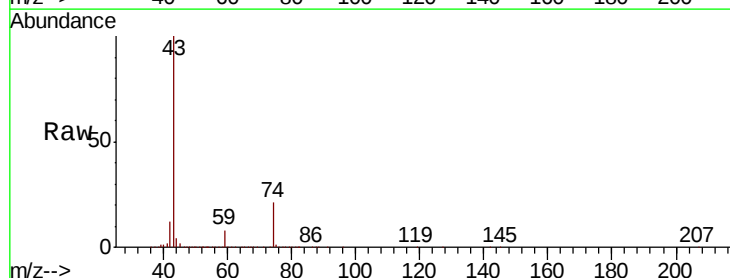
Acq: 19 Oct 2018 17:53

Tgt Ion: 43 Resp: 245905

Ion Ratio Lower Upper

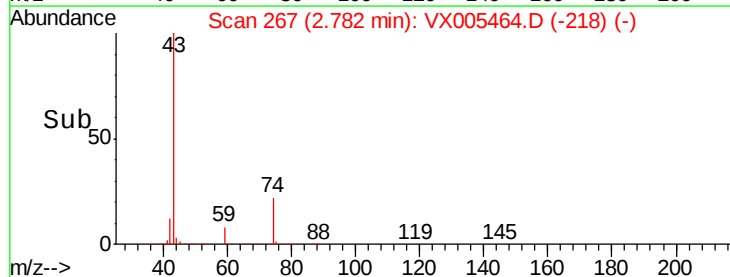
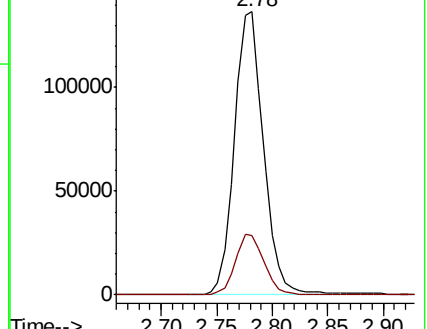
43 100

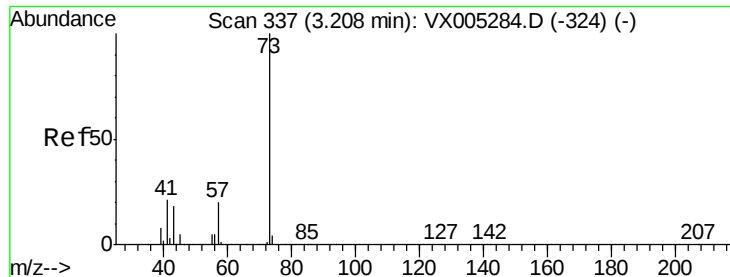
74 21.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX005464.D (-218) (-)

Ion 74.00 (73.70 to 74.70): VX005464.D (-218) (-)



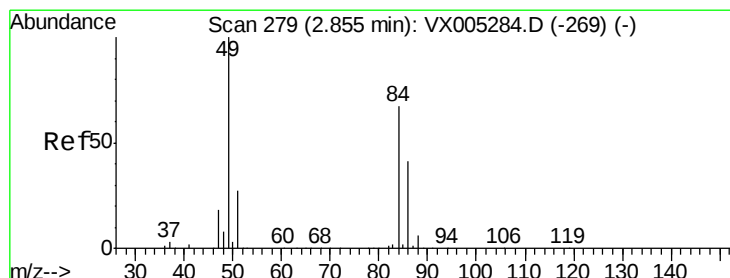
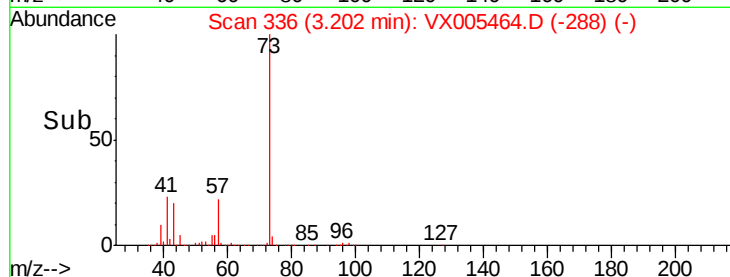
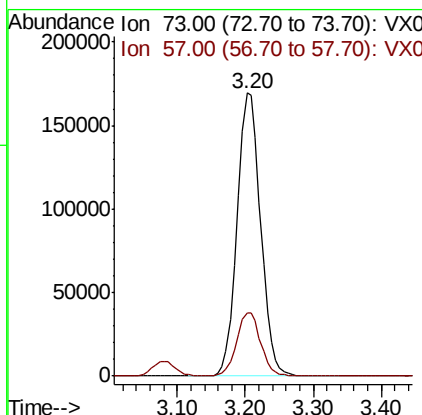
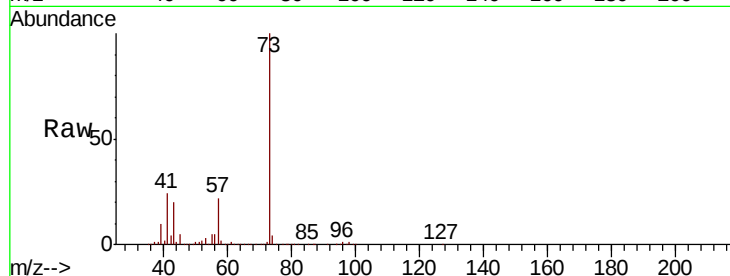


#19

Methyl tert-butyl Ether
 Concen: 52.529 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

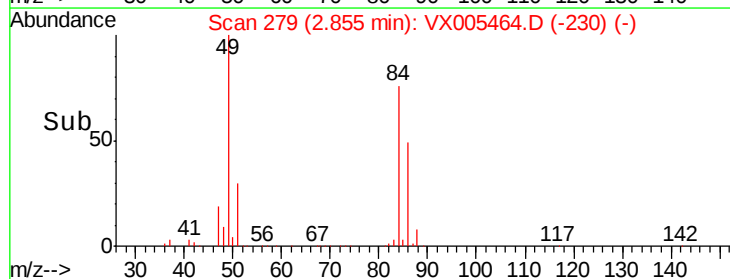
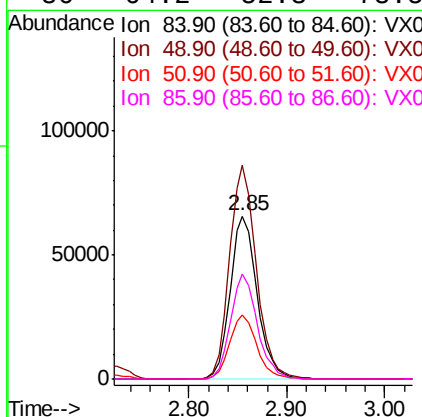
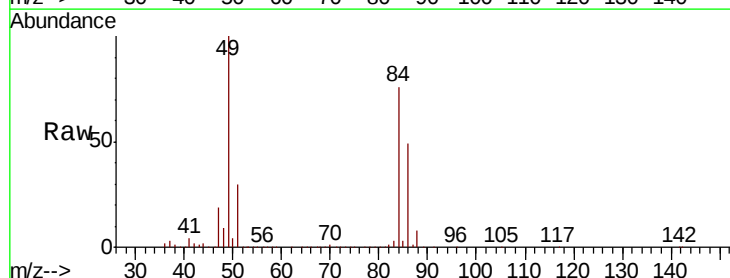
Tot Ion: 73 Resp: 405183
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.1 25.7

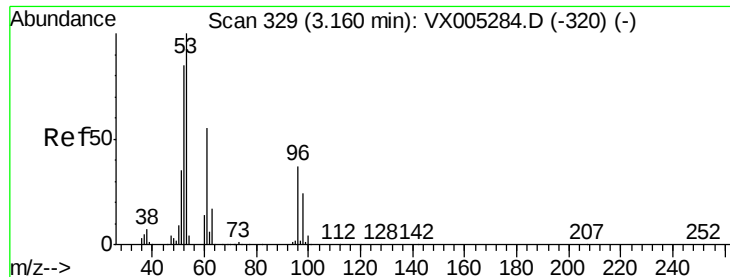


#20

Methylene Chloride
 Concen: 53.884 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion: 84 Resp: 125750
 Ion Ratio Lower Upper
 84 100
 49 131.1 101.2 151.8
 51 39.3 29.5 44.3
 86 64.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 46.985 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

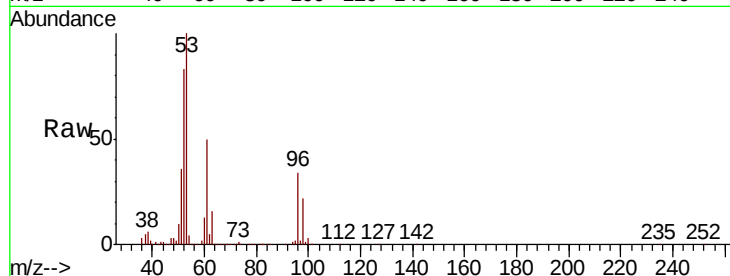
Tot Ion: 96 Resp: 114040

Ion Ratio Lower Upper

96 100

61 146.6 113.8 170.6

98 65.0 51.8 77.8

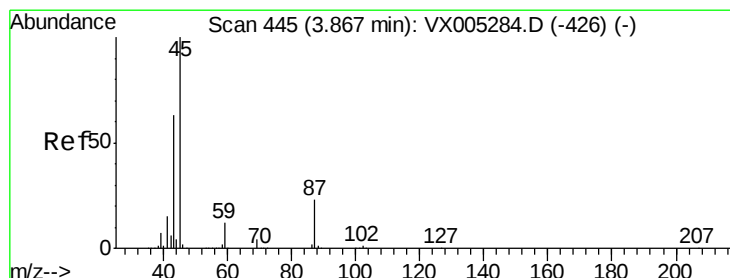
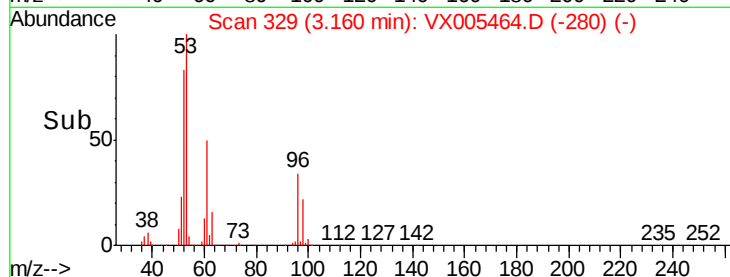
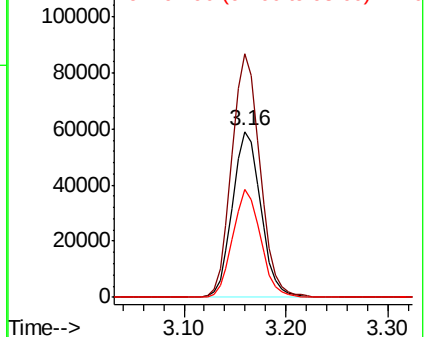


Abundance

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: 50.253 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Tgt Ion: 45 Resp: 405868

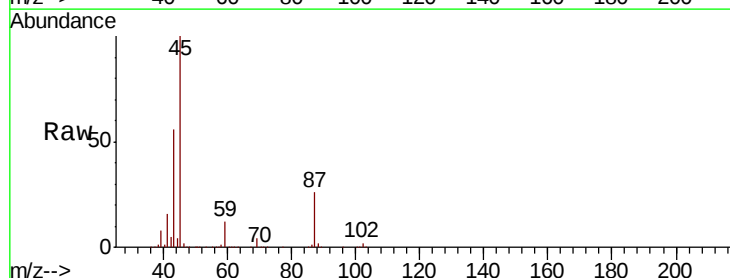
Ion Ratio Lower Upper

45 100

43 56.1 42.8 64.2

87 26.1 22.6 34.0

59 12.2 9.6 14.4



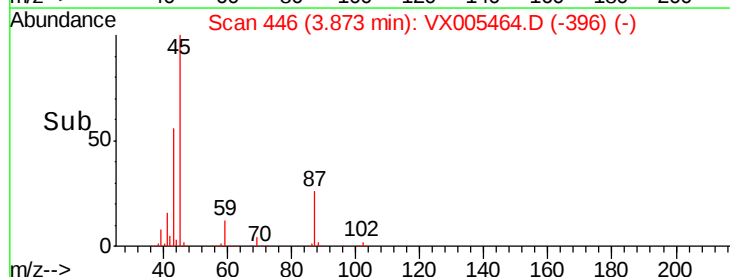
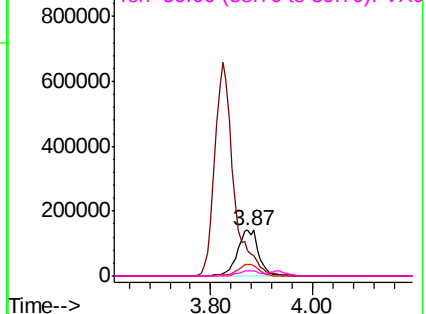
Abundance

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: 242.571 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

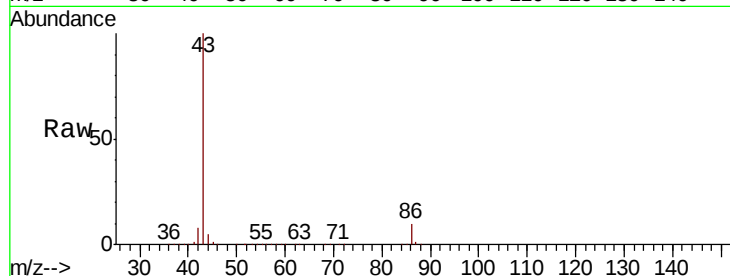
VSTDCCC050EC

Tot Ion: 43 Resp: 1712334

Ion Ratio Lower Upper

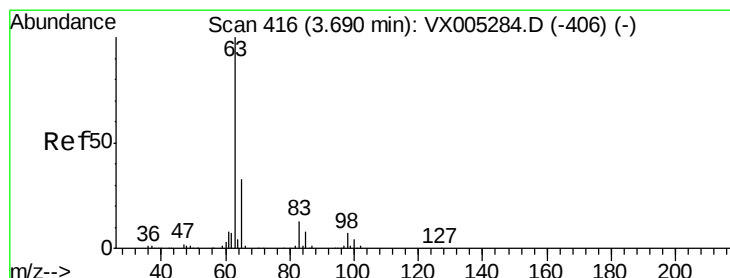
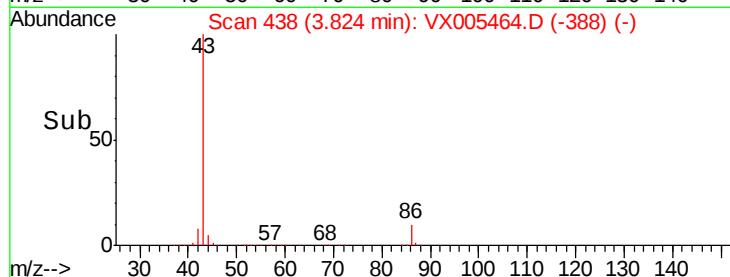
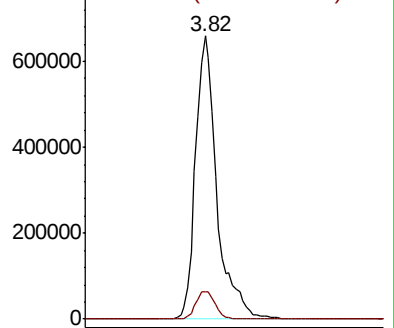
43 100

86 9.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.592 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

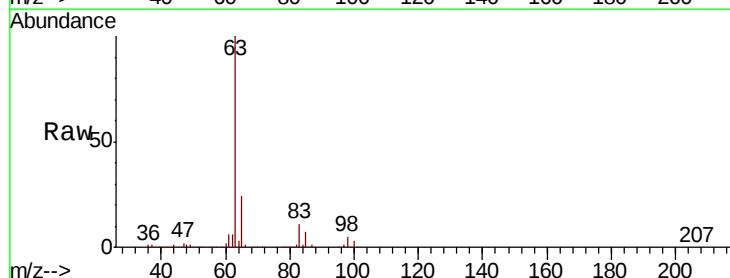
Tgt Ion: 63 Resp: 238806

Ion Ratio Lower Upper

63 100

98 5.2 3.5 10.4

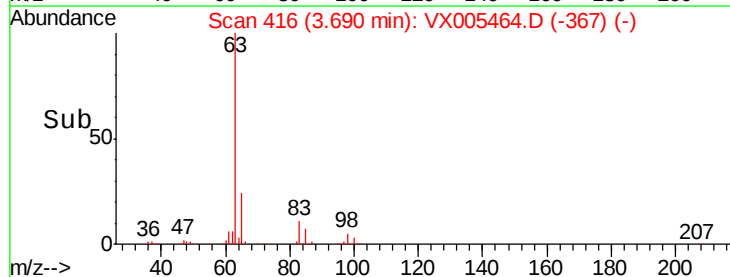
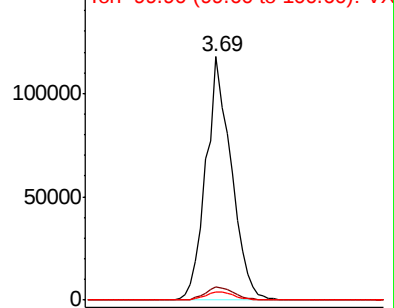
100 3.3 2.4 7.1

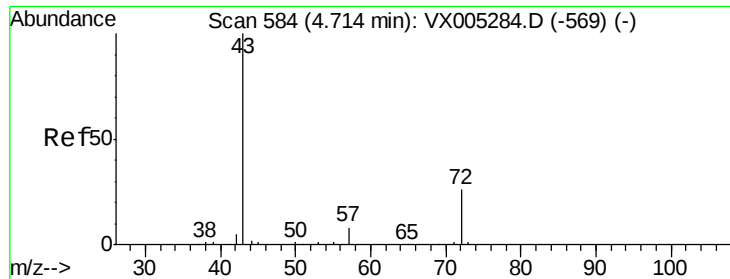


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 243.232 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

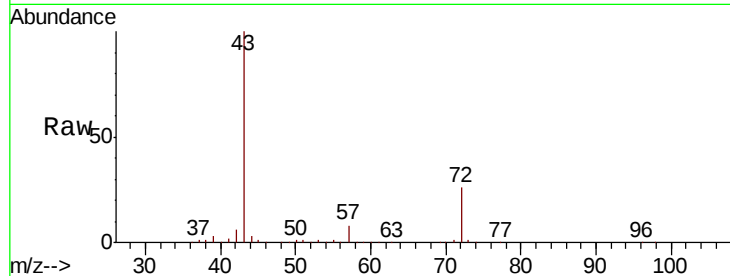
VSTDCCC050EC

Tot Ion: 43 Resp: 571060

Ion Ratio Lower Upper

43 100

72 26.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

200000

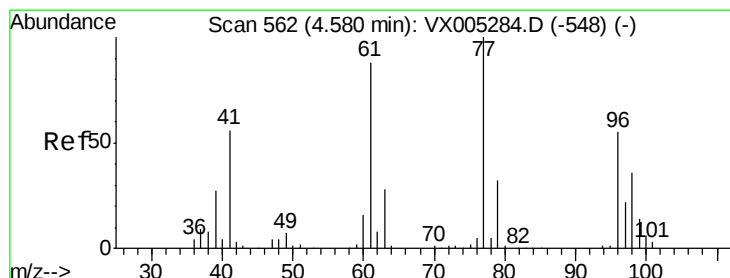
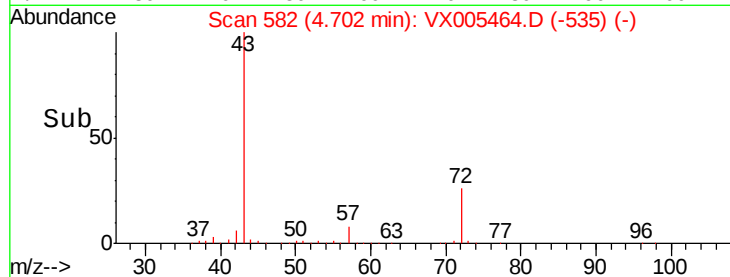
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.854 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005464.D

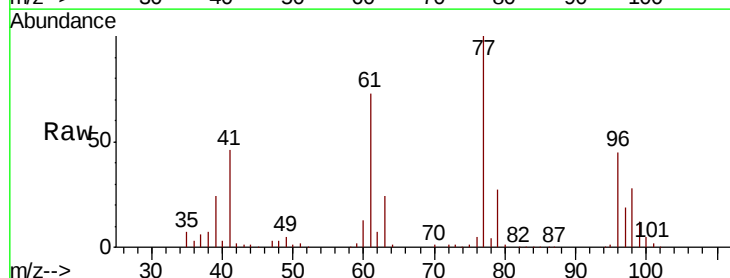
Acq: 19 Oct 2018 17:53

Tgt Ion: 77 Resp: 169122

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

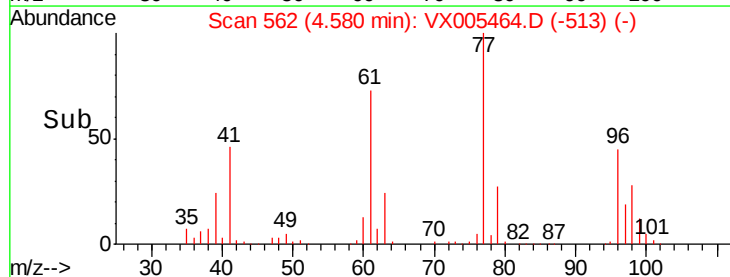
60000

40000

20000

0

Time-->



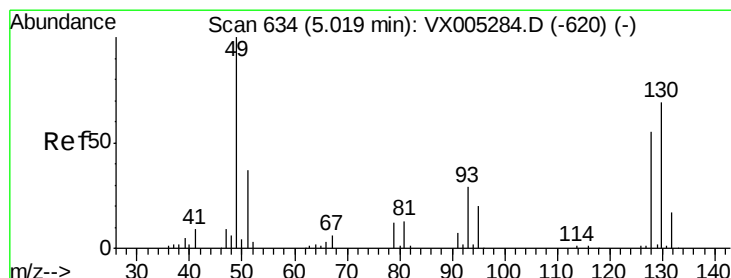
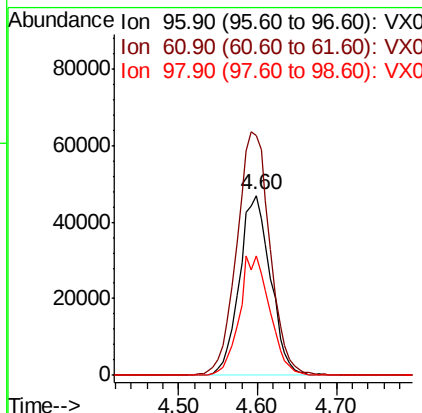
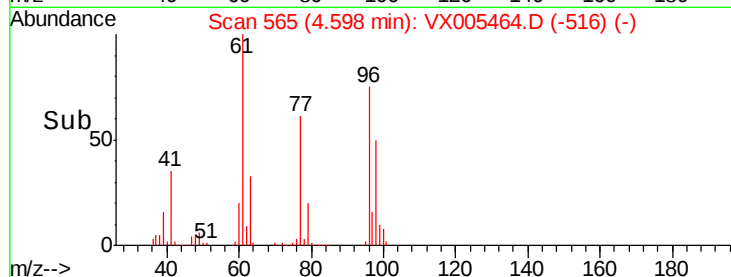
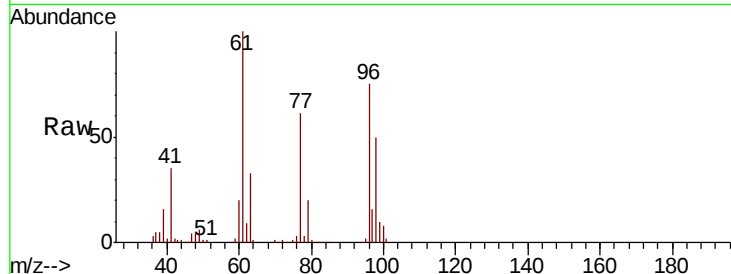


#27

cis-1,2-Dichloroethene
 Concen: 48.825 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

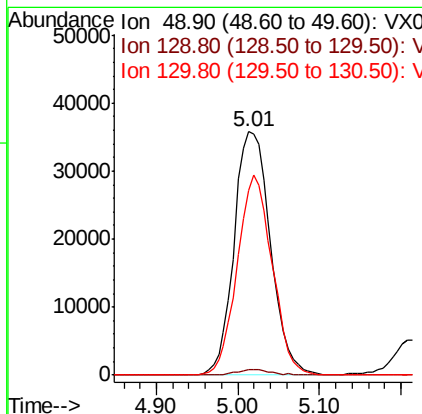
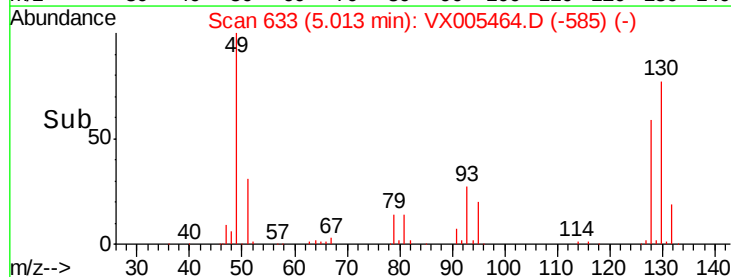
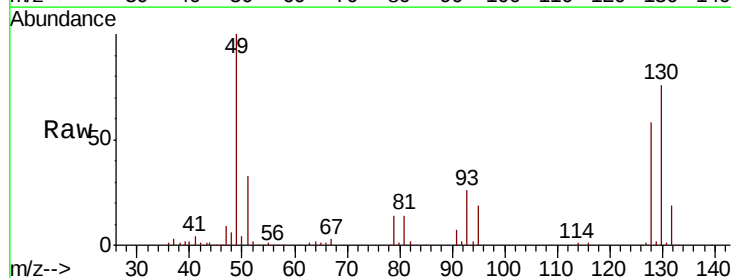
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	282.6
98	65.1	0.0	130.2

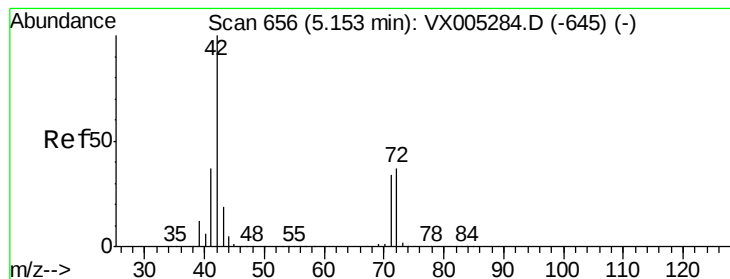


#28

Bromochloromethane
 Concen: 52.519 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	78.7	67.5	101.3





#29

Tetrahydrofuran

Concen: 244.252 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

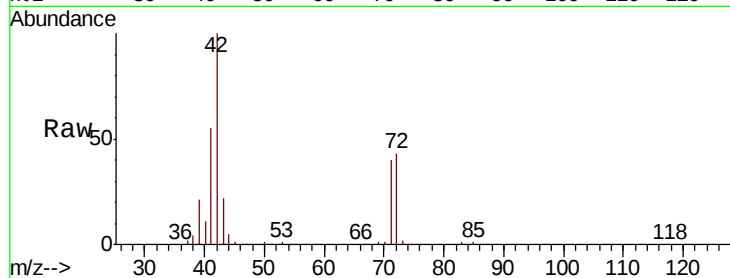
Tot Ion: 42 Resp: 365791

Ion Ratio Lower Upper

42 100

72 43.9 37.4 56.0

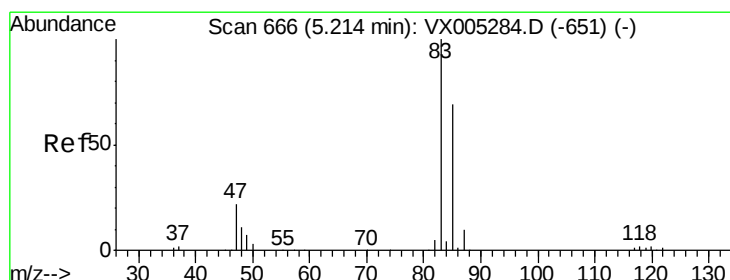
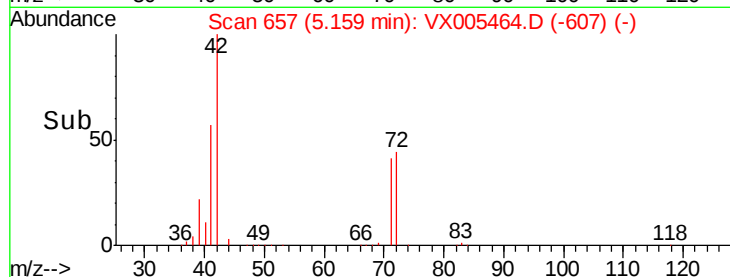
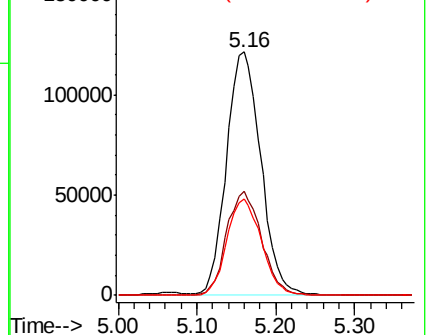
71 40.2 34.5 51.7



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: 49.044 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005464.D

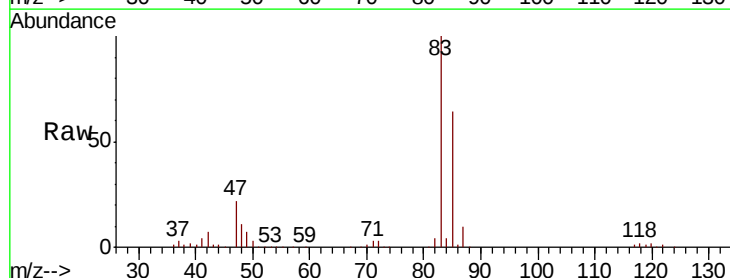
Acq: 19 Oct 2018 17:53

Tgt Ion: 83 Resp: 210709

Ion Ratio Lower Upper

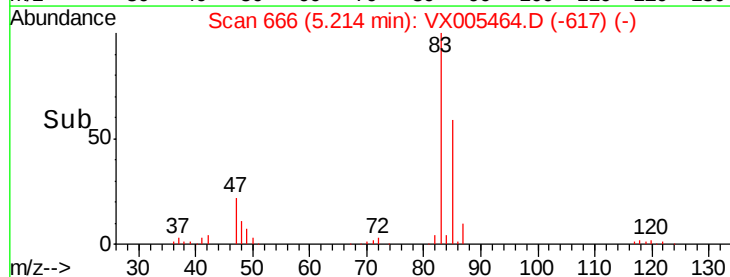
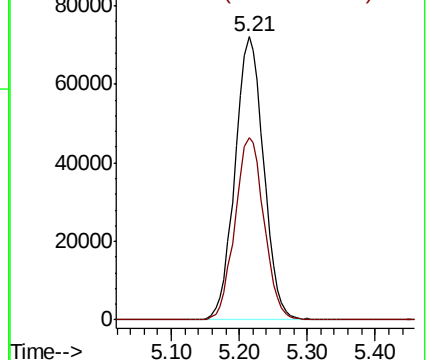
83 100

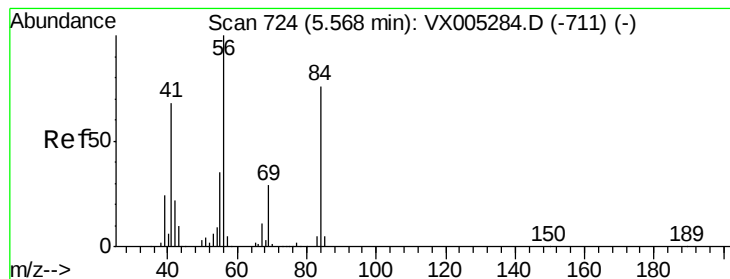
85 64.4 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 45.615 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

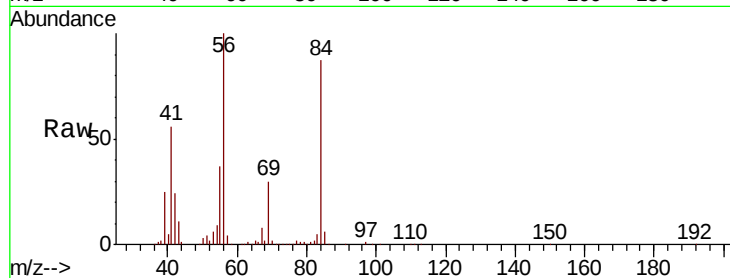
Tot Ion: 56 Resp: 174022

Ion Ratio Lower Upper

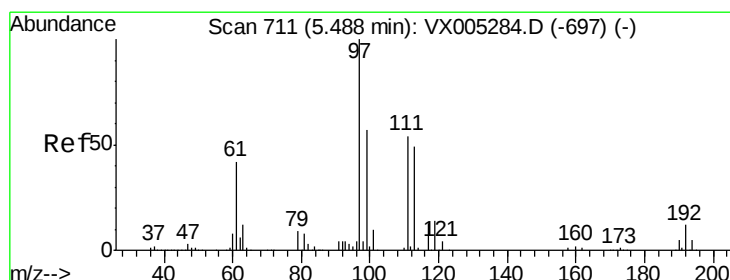
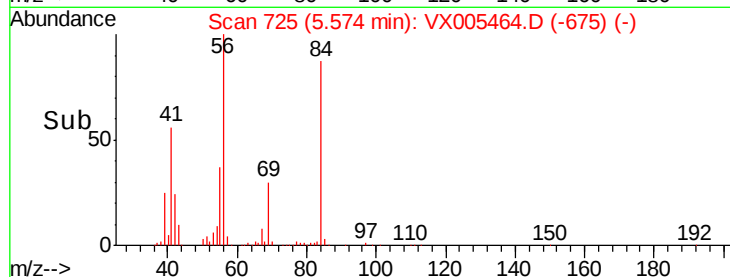
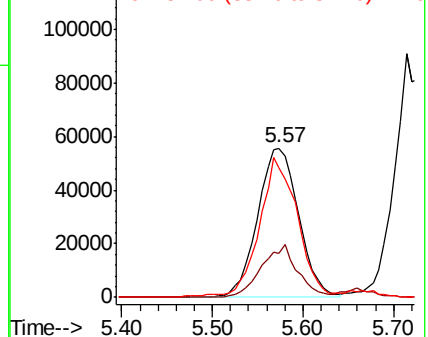
56 100

69 29.8 25.4 38.2

84 85.7 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: 49.638 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

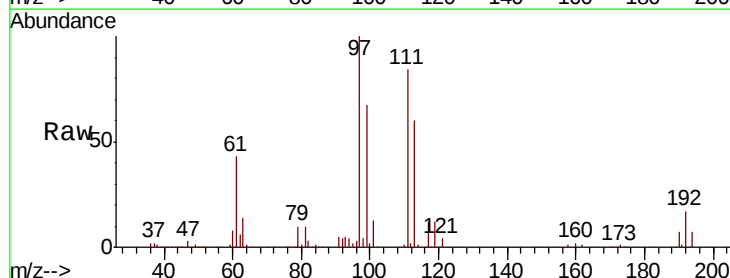
Tgt Ion: 97 Resp: 185562

Ion Ratio Lower Upper

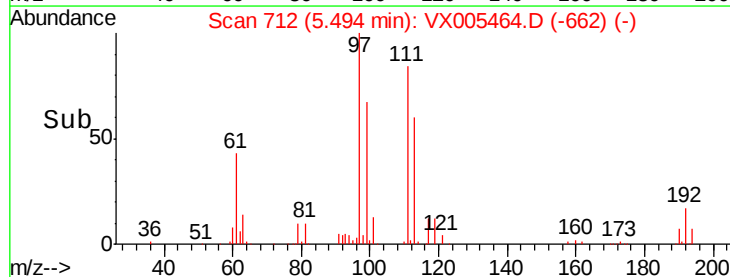
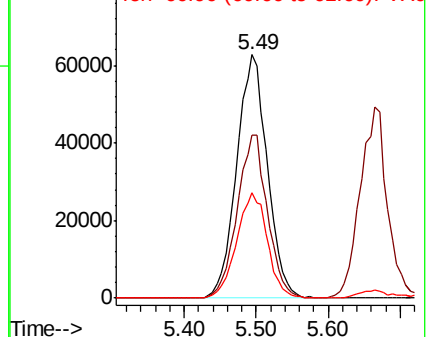
97 100

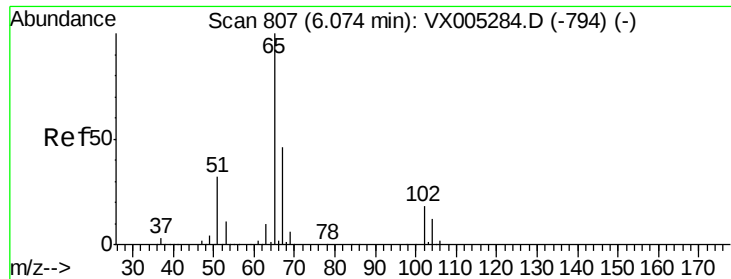
99 65.9 52.0 78.0

61 43.4 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: 51.528 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

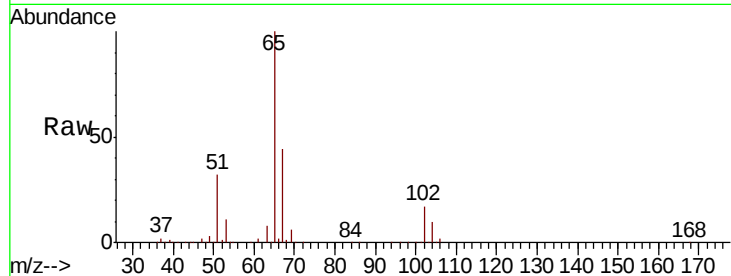
VSTDCCC050EC

Tot Ion: 65 Resp: 143008

Ion Ratio Lower Upper

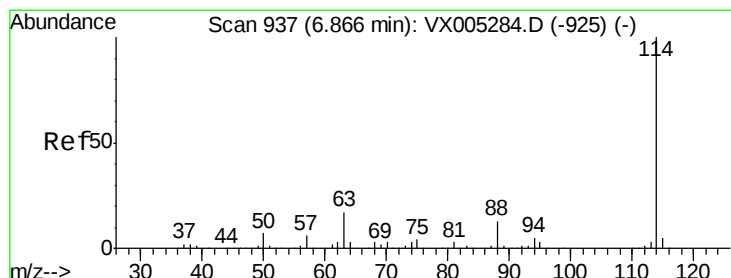
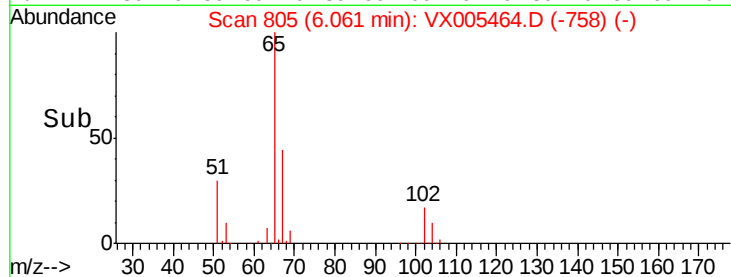
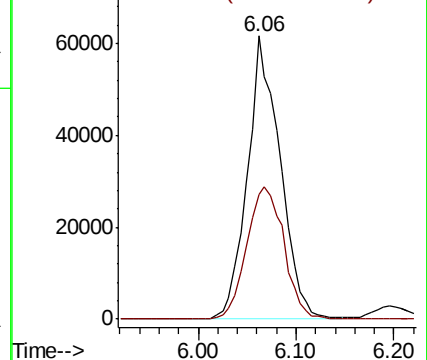
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

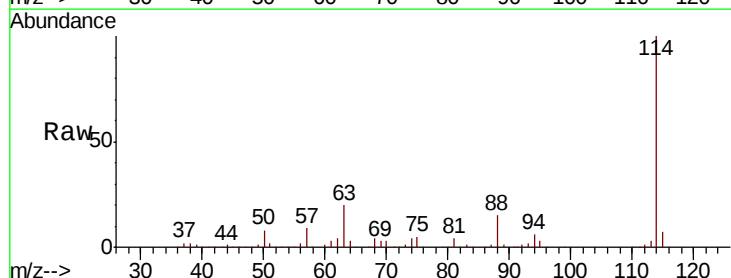
Tgt Ion: 114 Resp: 367517

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

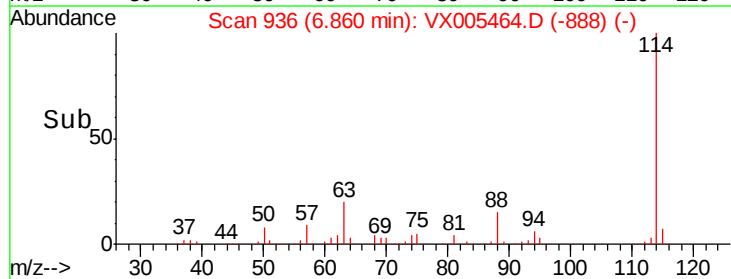
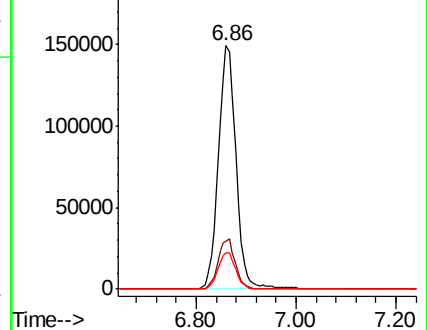
88 15.1 0.0 30.4

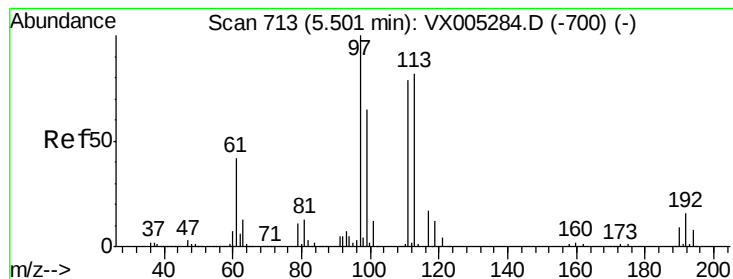


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.156 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

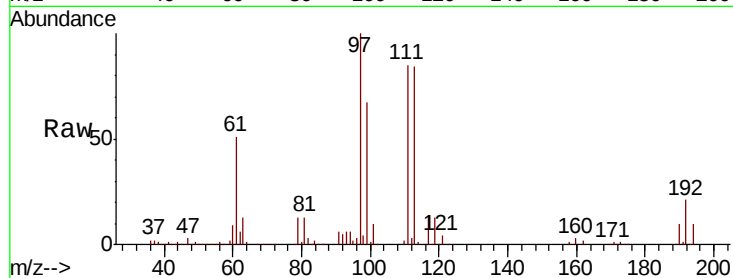
Tot Ion:113 Resp: 117219

Ion Ratio Lower Upper

113 100

111 105.6 82.4 123.6

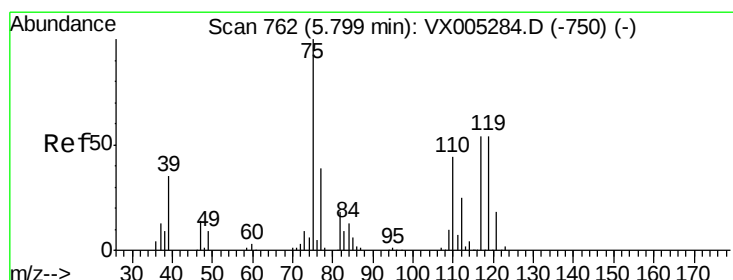
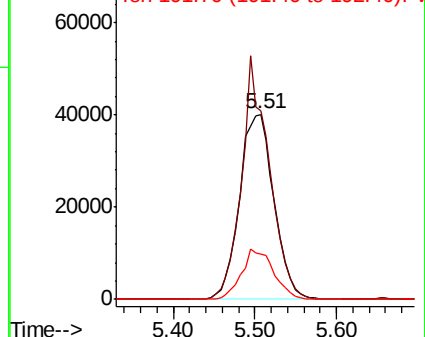
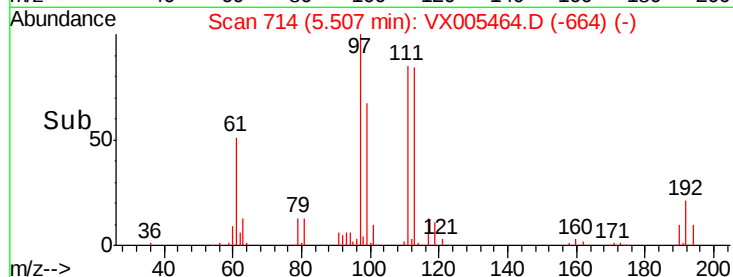
192 25.3 19.4 29.2



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: 43.032 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

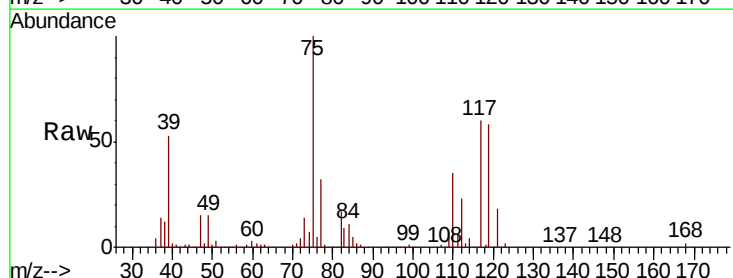
Tgt Ion: 75 Resp: 153167

Ion Ratio Lower Upper

75 100

110 37.5 18.0 54.0

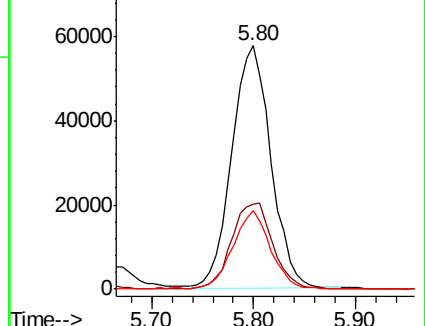
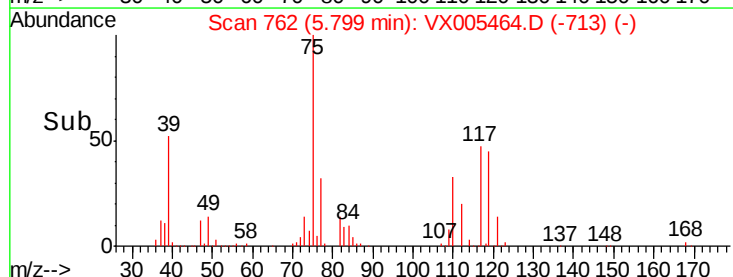
77 30.7 24.6 36.8

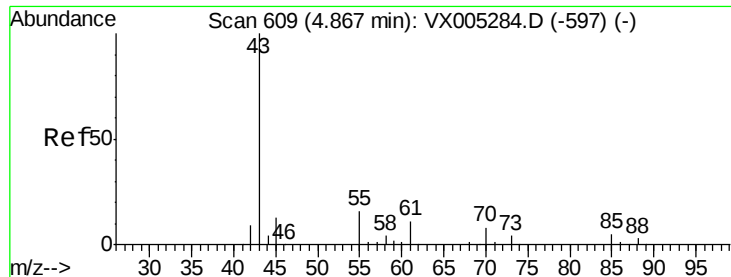


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

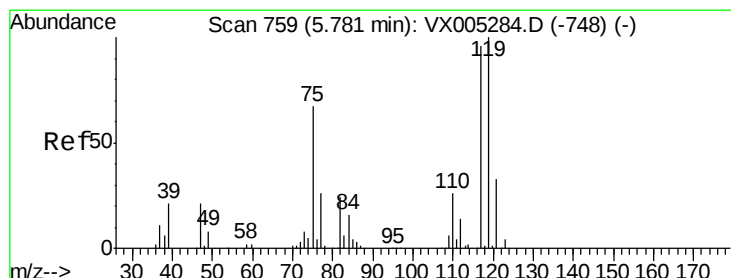
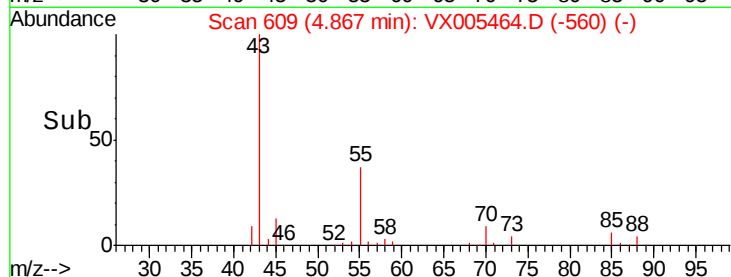
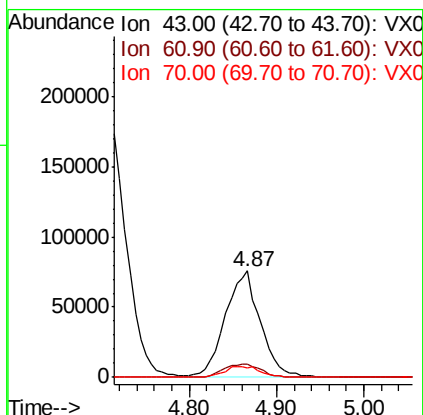
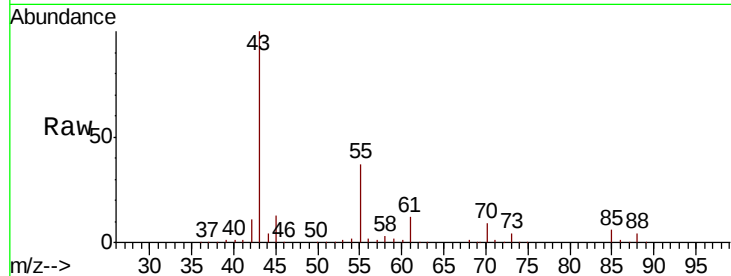




#37
Ethyl Acetate
Concen: 45.611 ug/l
RT: 4.87 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

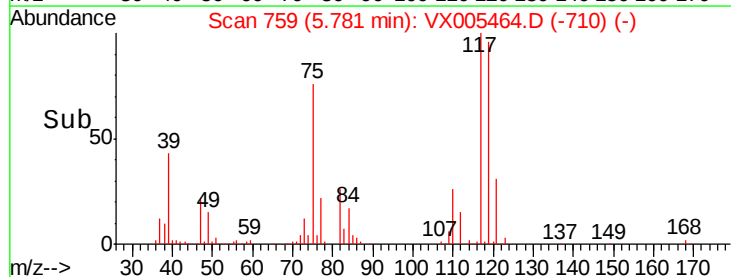
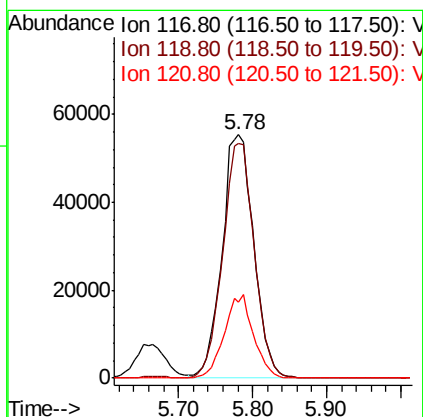
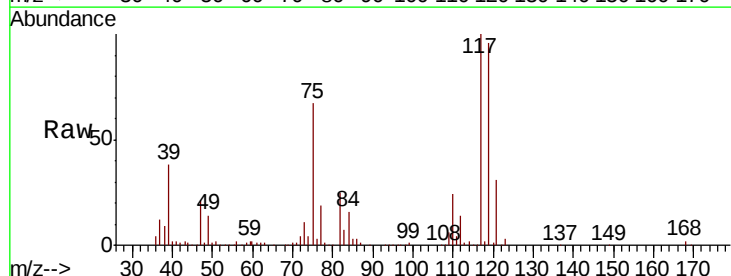
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

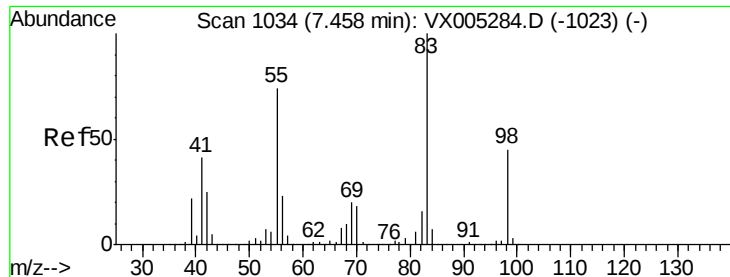
Tot Ion: 43 Resp: 208784
Ion Ratio Lower Upper
43 100
61 13.7 11.5 17.3
70 10.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 46.110 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion: 117 Resp: 164910
Ion Ratio Lower Upper
117 100
119 96.1 78.8 118.2
121 31.0 24.9 37.3

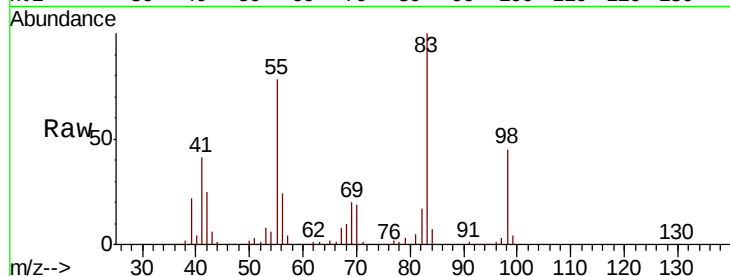




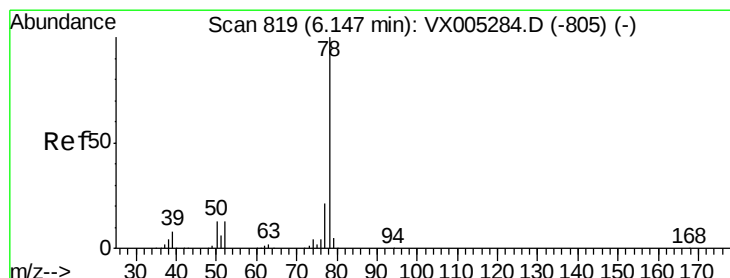
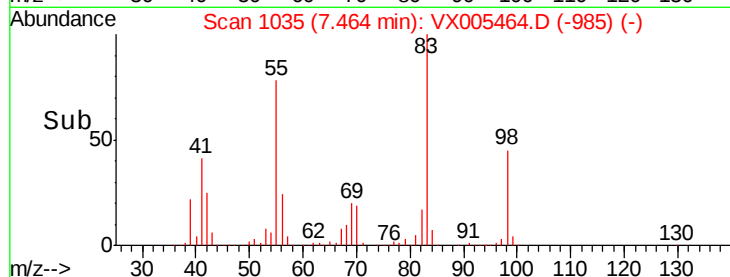
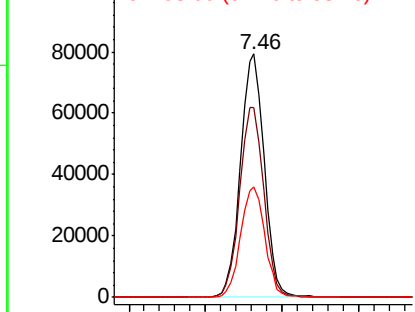
#39
Methvlcvclohexane
Concen: 44.500 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 171426
Ion Ratio Lower Upper
83 100
55 78.1 61.0 91.4
98 45.5 39.6 59.4

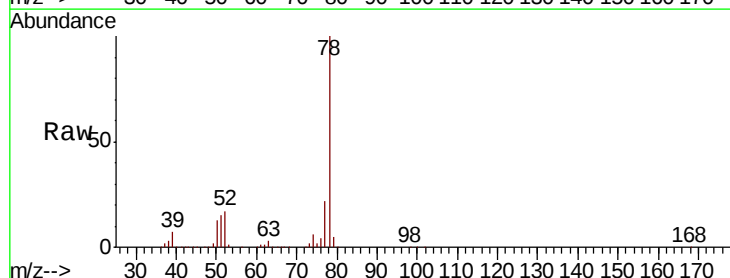


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

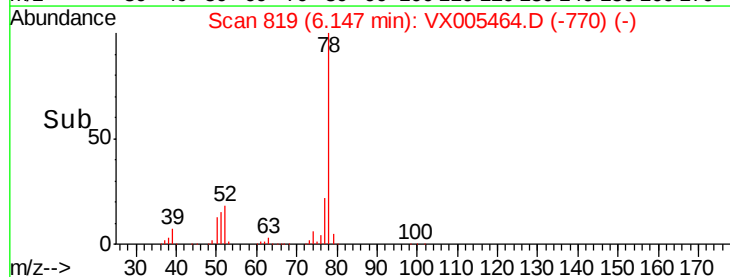
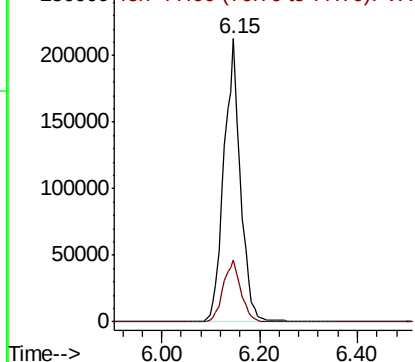


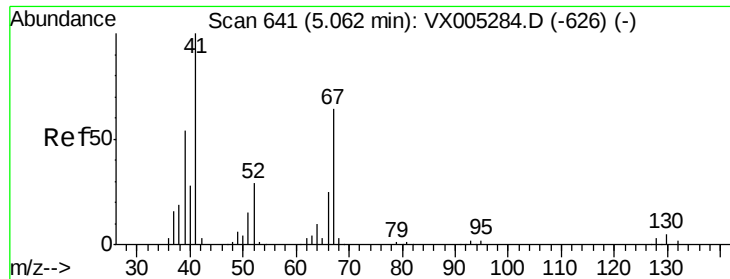
#40
Benzene
Concen: 46.521 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion: 78 Resp: 496723
Ion Ratio Lower Upper
78 100
77 22.0 19.0 28.4



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

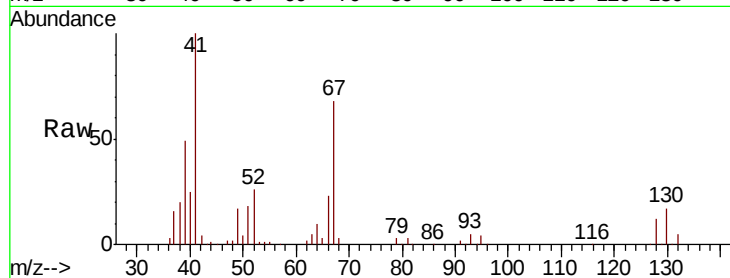




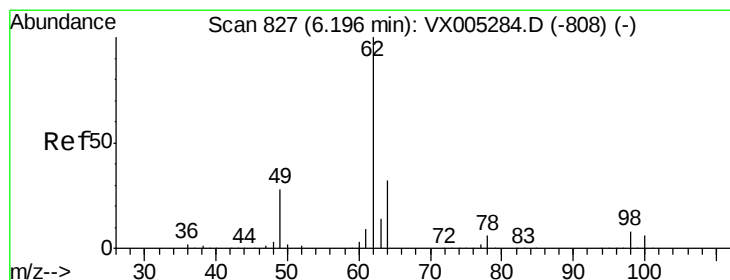
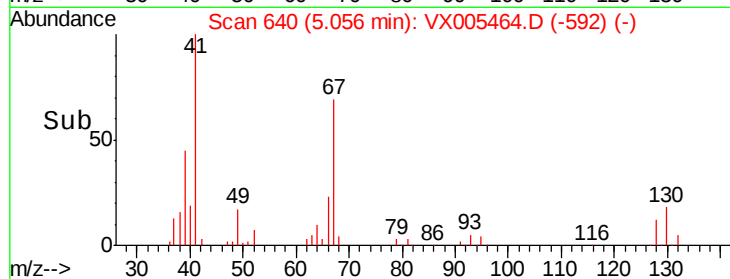
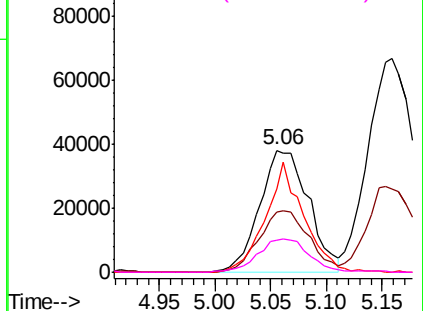
#41
Methacrylonitrile
Concen: 47.287 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	116042
Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.4	63.6
67	71.1	59.2	88.8
52	28.2	23.0	34.4

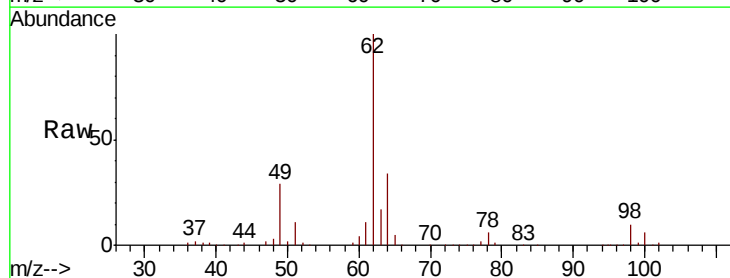


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

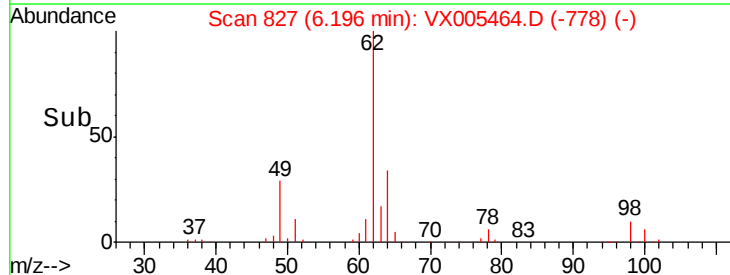
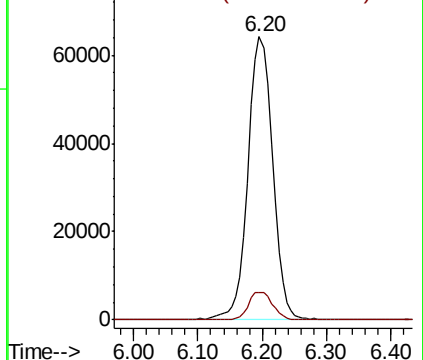


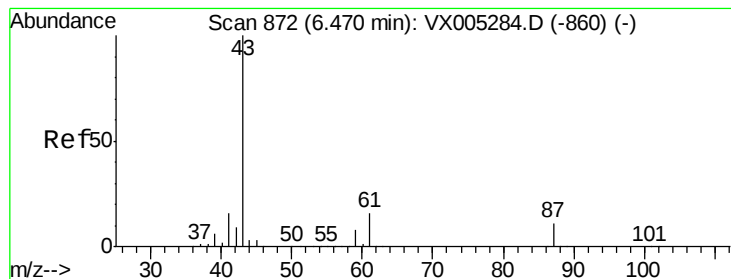
#42
1,2-Dichloroethane
Concen: 44.950 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion:	62	Resp:	169470
Ion	Ratio	Lower	Upper
62	100		
98	9.6	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: 51.574 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

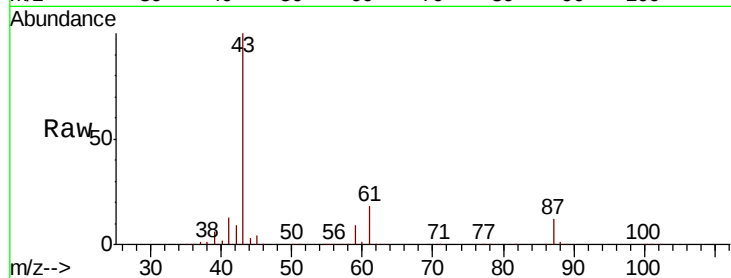
Tot Ion: 43 Resp: 314480

Ion Ratio Lower Upper

43 100

61 20.1 17.0 25.4

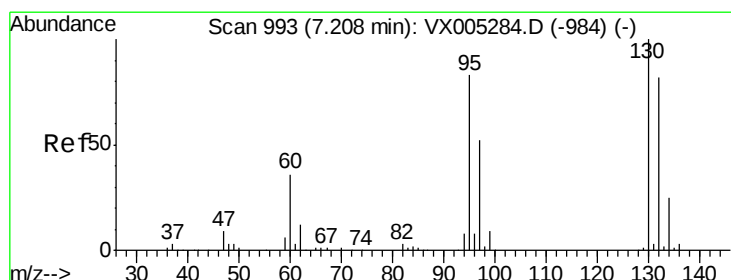
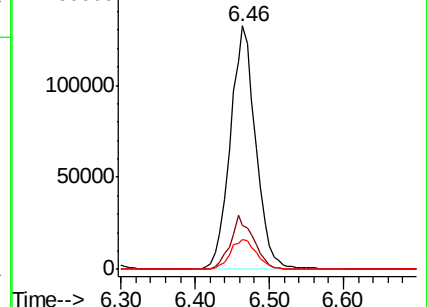
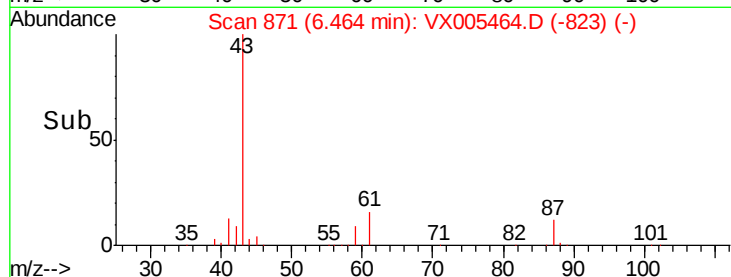
87 12.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005464.D (-823) (-)

Ion 61.00 (60.70 to 61.70): VX005464.D (-823) (-)

Ion 87.00 (86.70 to 87.70): VX005464.D (-823) (-)



#44

Trichloroethene

Concen: 47.905 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005464.D

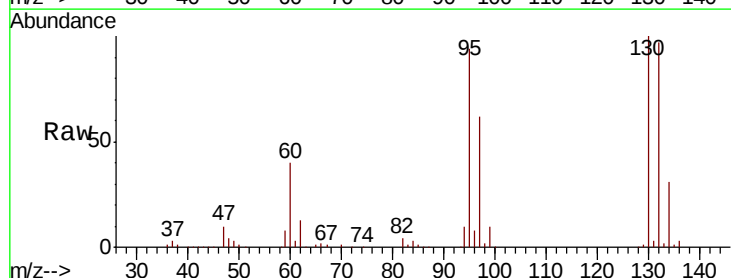
Acq: 19 Oct 2018 17:53

Tgt Ion:130 Resp: 130675

Ion Ratio Lower Upper

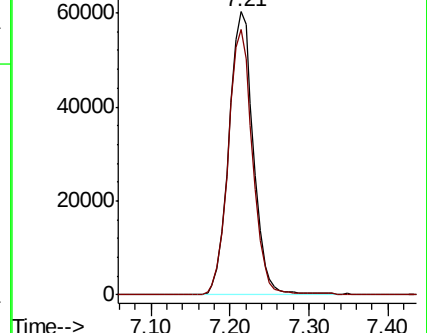
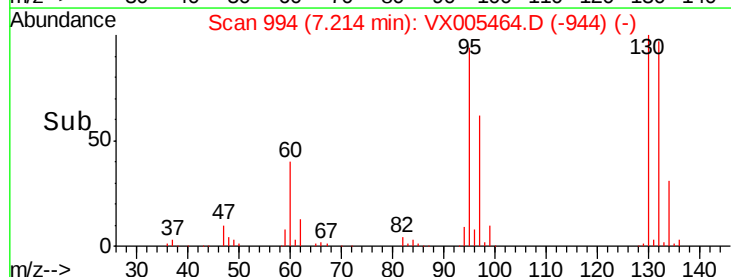
130 100

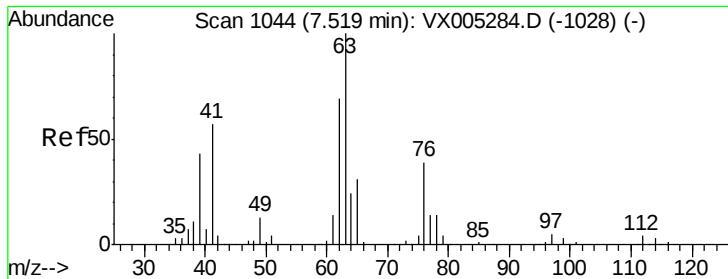
95 93.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005464.D (-944) (-)

Ion 94.90 (94.60 to 95.60): VX005464.D (-944) (-)

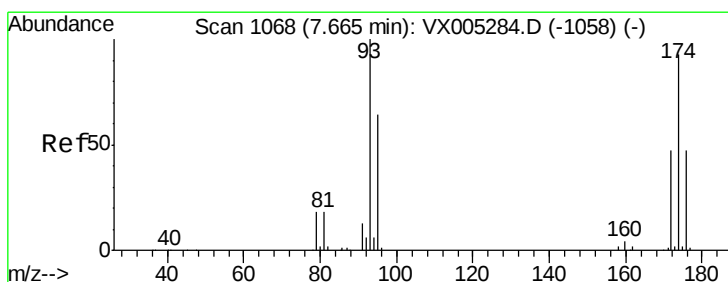
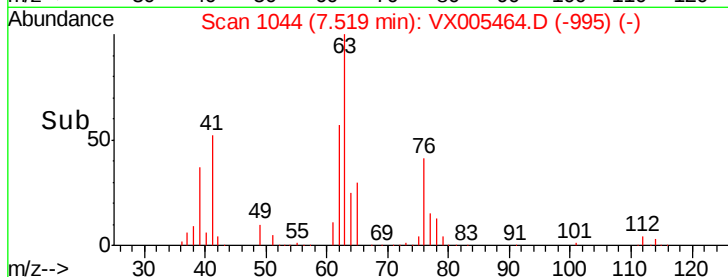
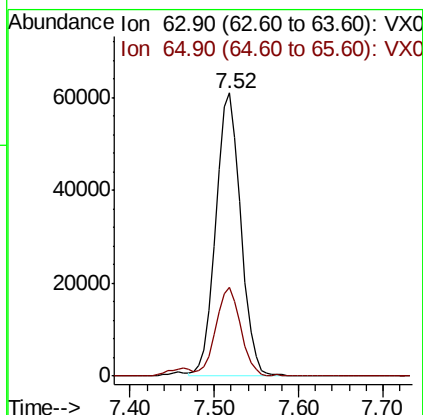
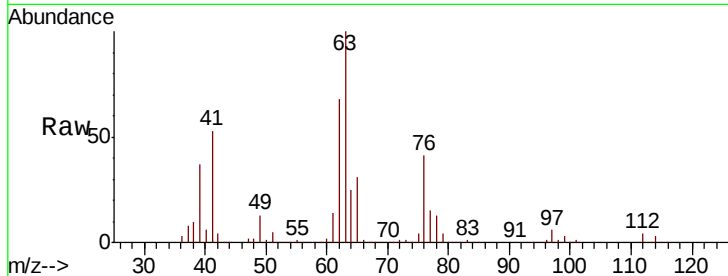




#45
 1,2-Dichloropropane
 Concen: 47.651 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

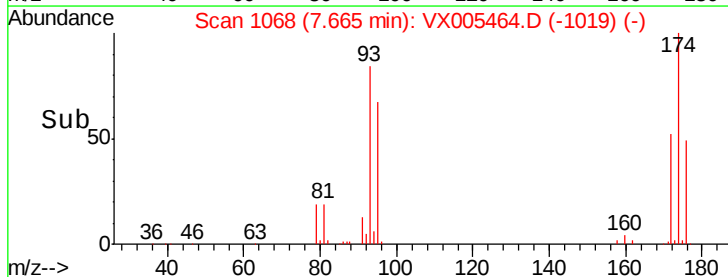
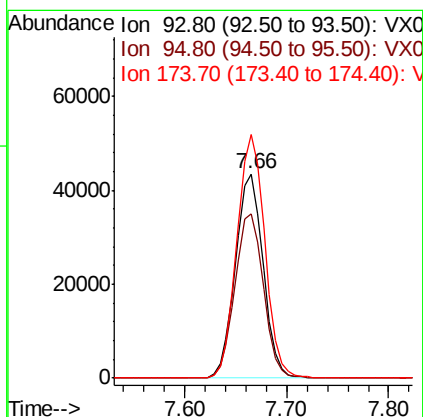
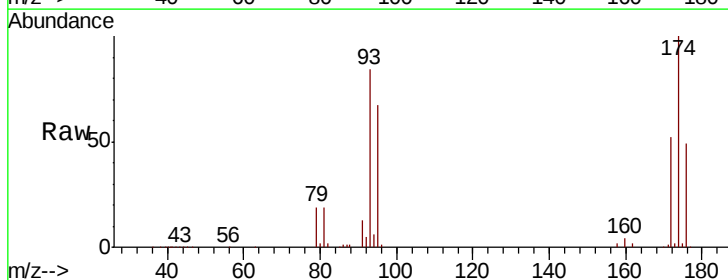
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 124805
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5



#46
 Dibromomethane
 Concen: 47.377 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion: 93 Resp: 81899
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.5 98.3
 174 120.8 94.2 141.4





#47

Bromodichloromethane

Concen: 50.092 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

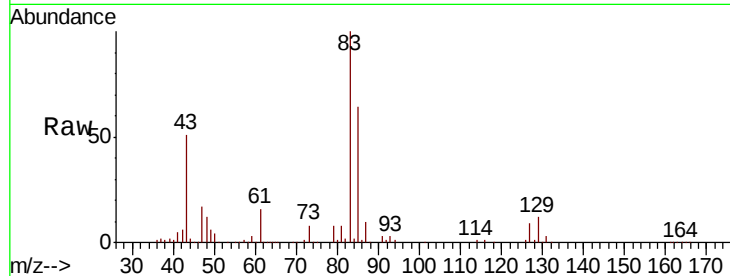
Tot Ion: 83 Resp: 160172

Ion Ratio Lower Upper

83 100

85 63.8 50.9 76.3

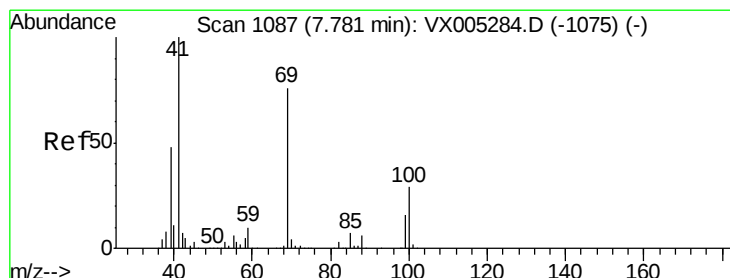
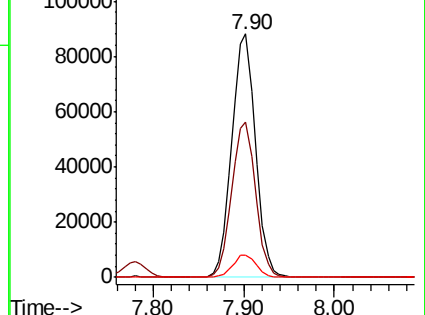
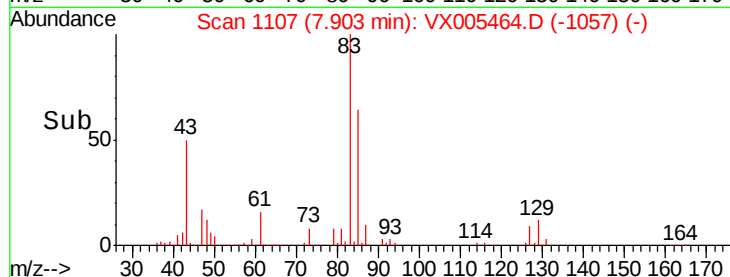
127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.094 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

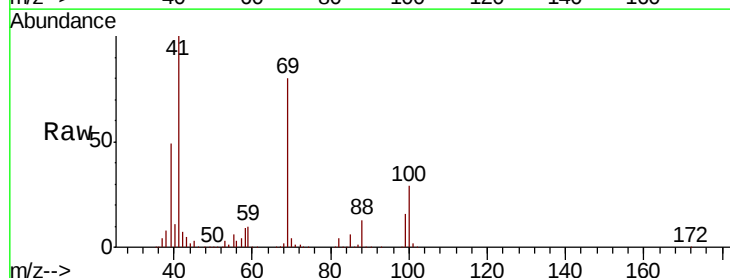
Tgt Ion: 41 Resp: 158423

Ion Ratio Lower Upper

41 100

69 82.7 70.2 105.4

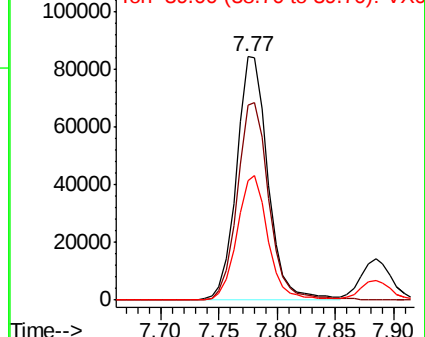
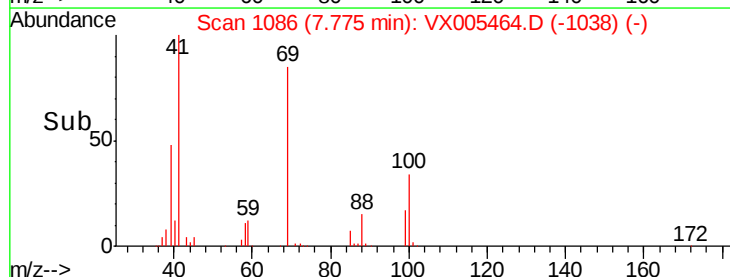
39 50.5 42.7 64.1

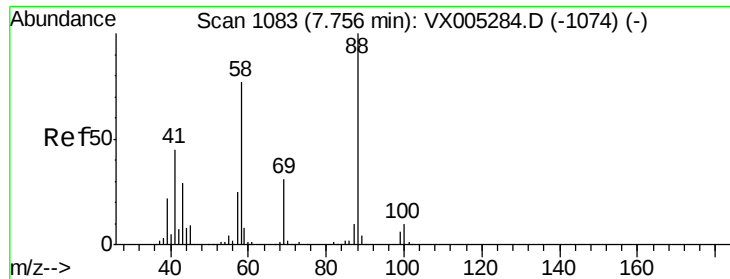


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

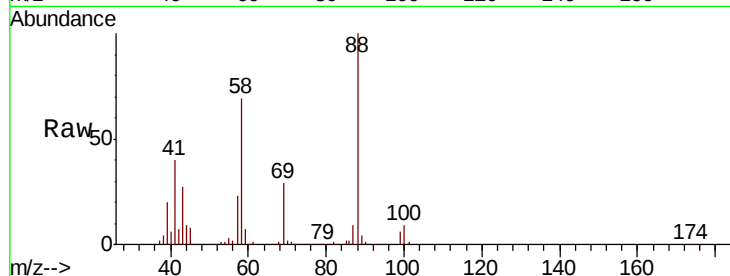




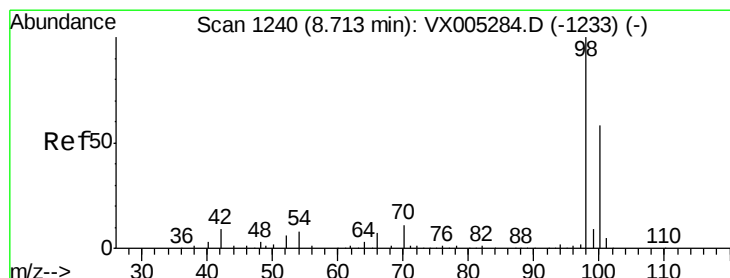
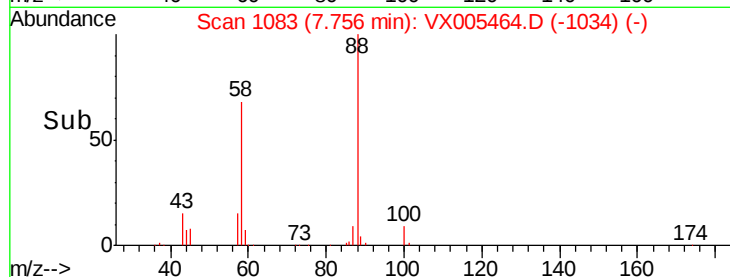
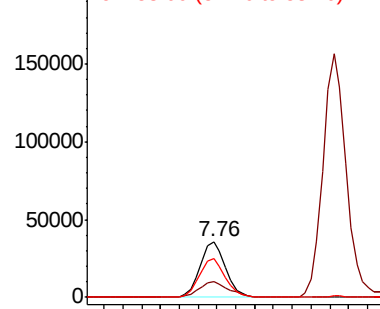
#49
1,4-Dioxane
Concen: 917.320 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 66912
Ion Ratio Lower Upper
88 100
43 32.0 24.7 37.1
58 71.7 55.3 82.9

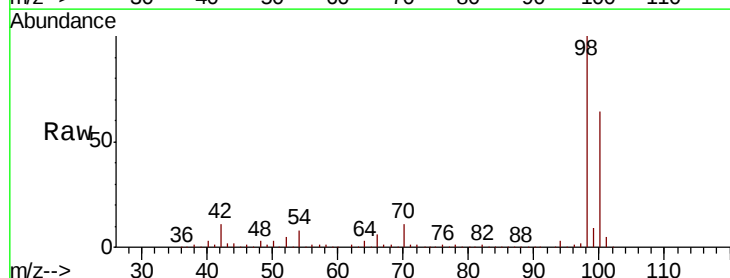


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

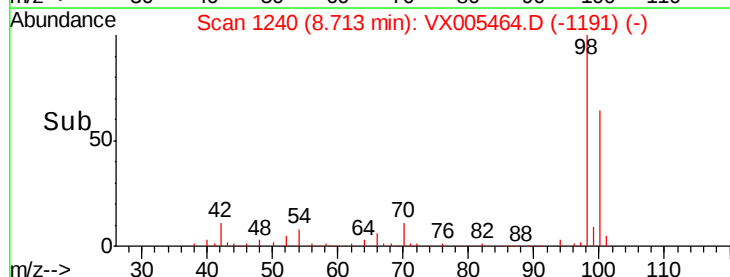
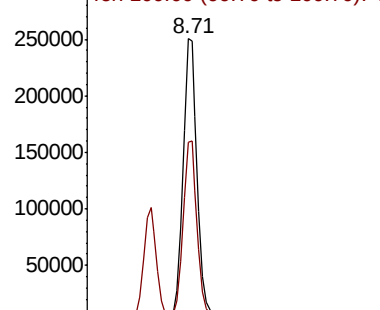


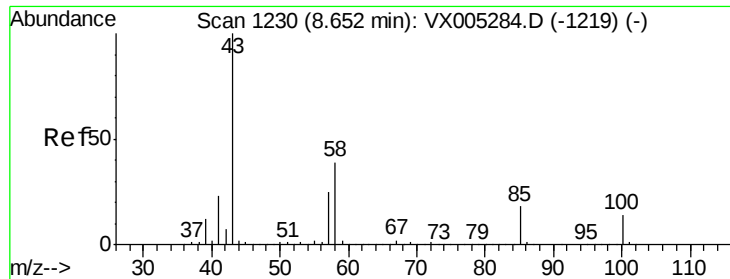
#50
Toluene-d8
Concen: 51.325 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion: 98 Resp: 428908
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



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

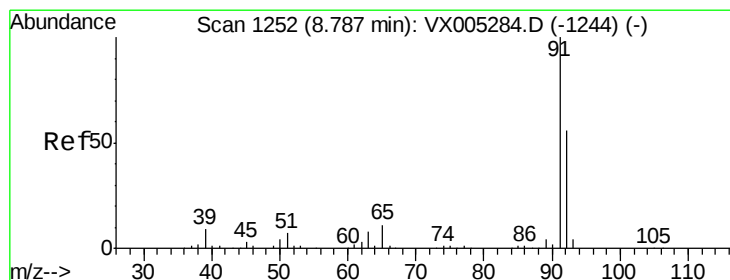
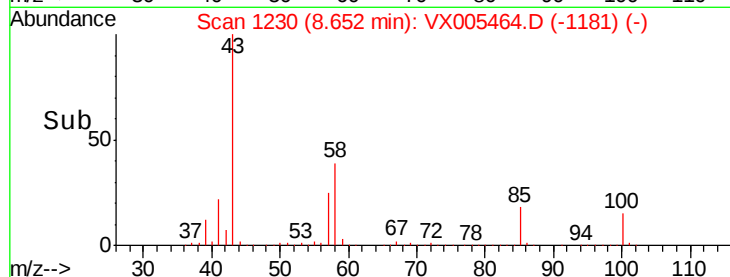
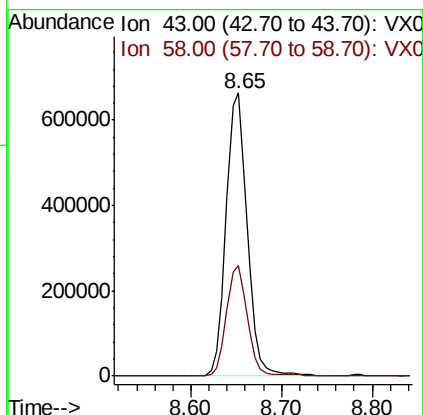
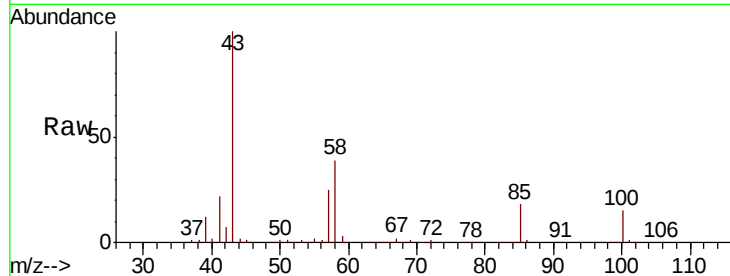




#51
4-Methyl-2-Pentanone
Concen: 255.233 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

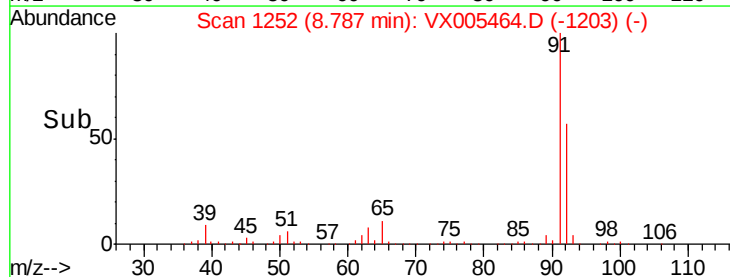
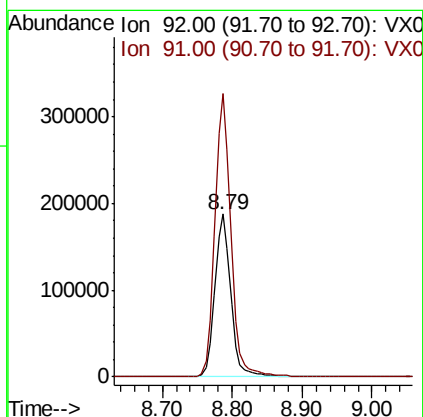
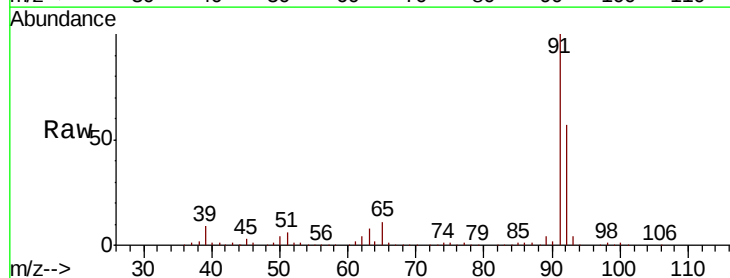
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

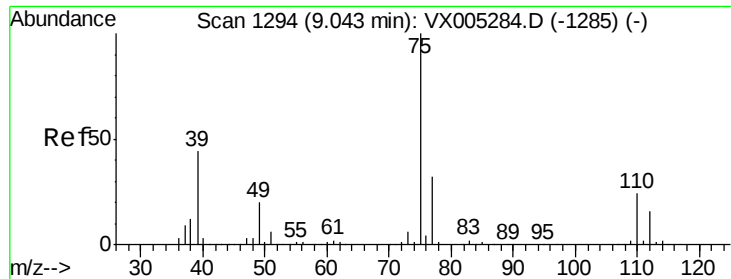
Tot Ion: 43 Resp: 1077611
Ion Ratio Lower Upper
43 100
58 39.2 33.1 49.7



#52
Toluene
Concen: 51.025 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion: 92 Resp: 298060
Ion Ratio Lower Upper
92 100
91 174.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 52.288 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

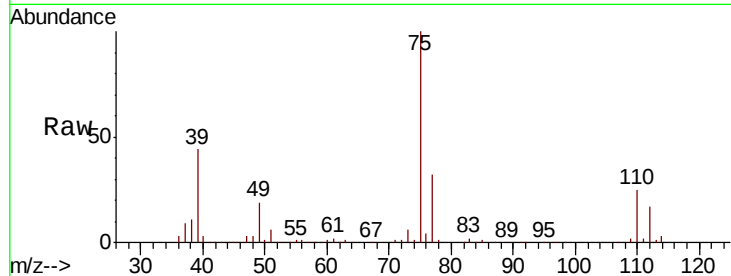
VSTDCCC050EC

Tot Ion: 75 Resp: 180936

Ion Ratio Lower Upper

75 100

77 31.8 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

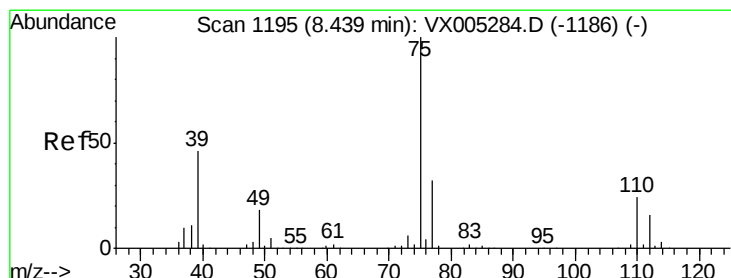
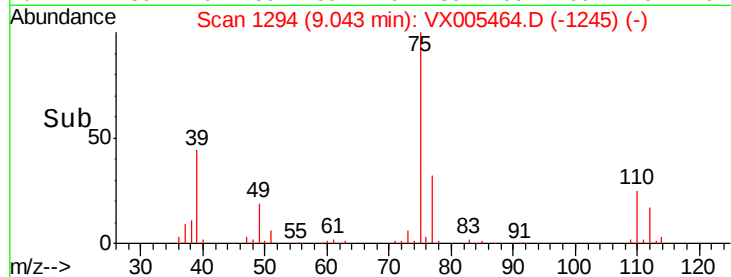
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.886 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

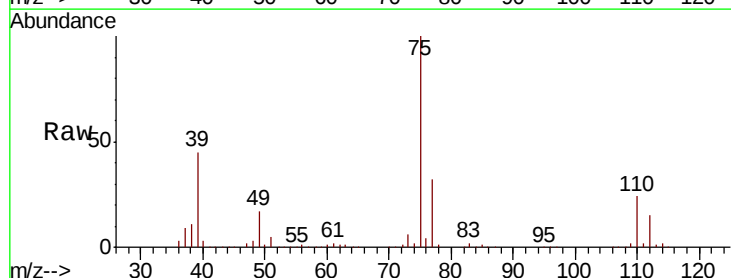
Tgt Ion: 75 Resp: 194546

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

39 44.4 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

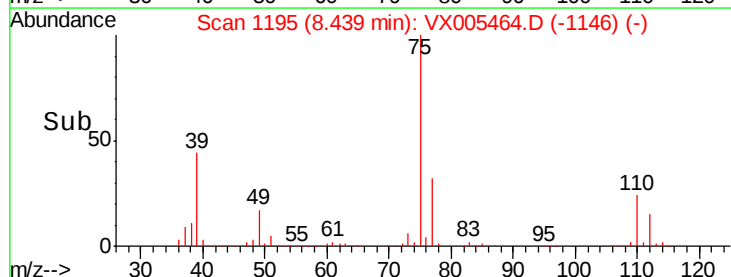
150000

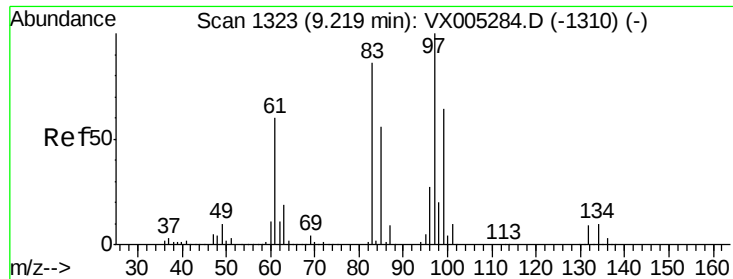
100000

50000

0

Time-->

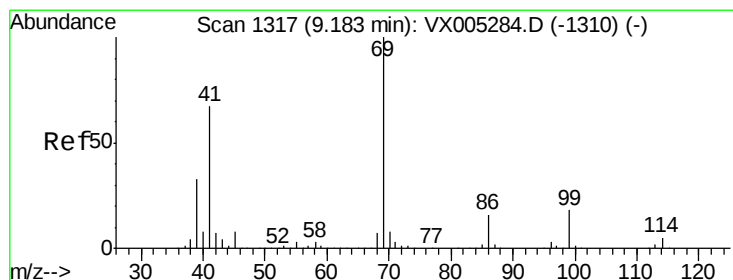
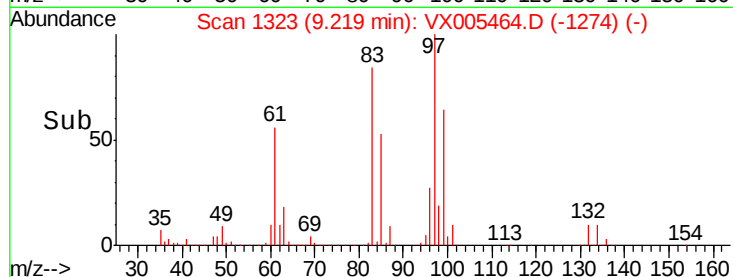
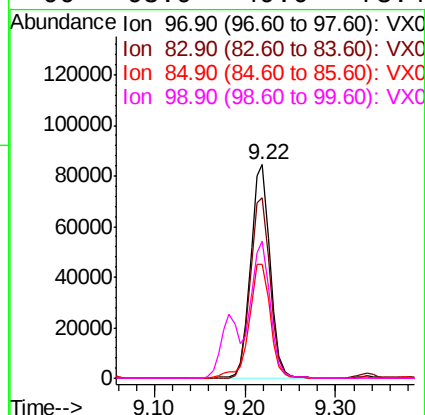
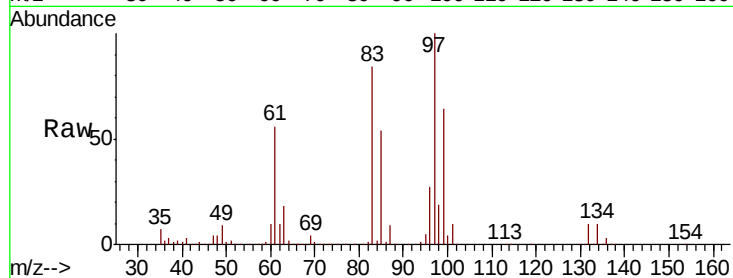




#55
 1,1,2-Trichloroethane
 Concen: 50.698 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

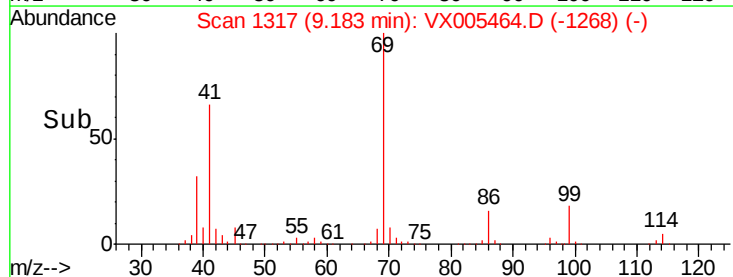
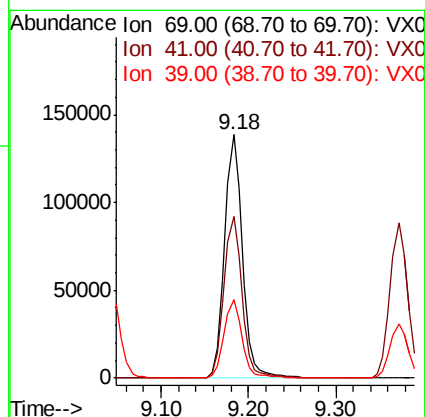
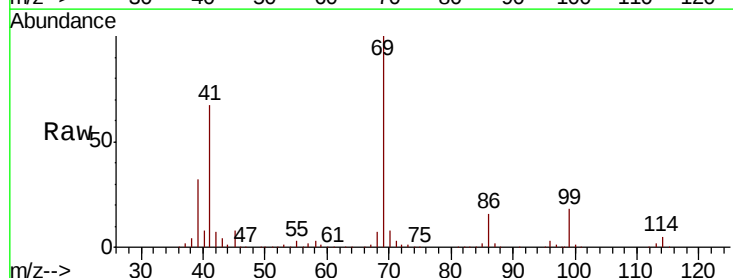
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	125438
Ion	Ratio	Lower	Upper
97	100		
83	84.2	66.4	99.6
85	53.5	43.3	64.9
99	63.9	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 54.355 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion:	69	Resp:	196052
Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.0	76.4
39	32.6	26.1	39.1





#57

1,3-Dichloropropane

Concen: 50.212 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

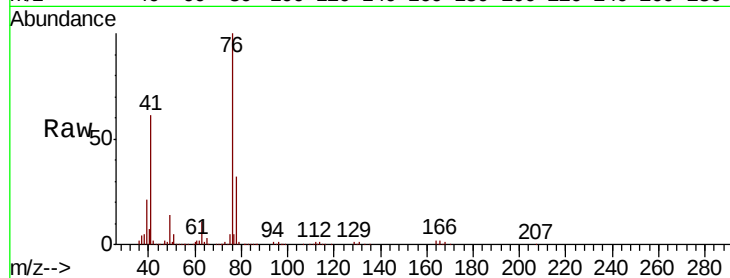
VSTDCCC050EC

Tot Ion: 76 Resp: 207356

Ion Ratio Lower Upper

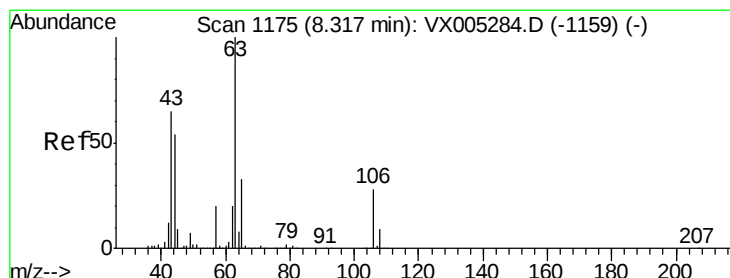
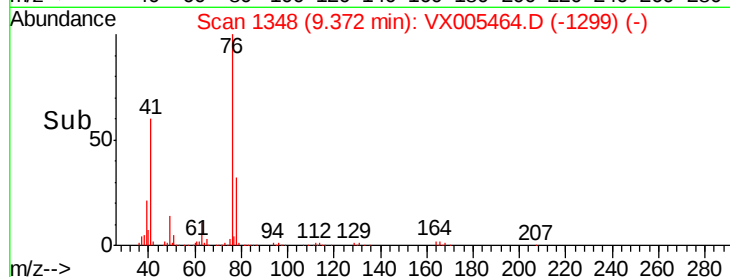
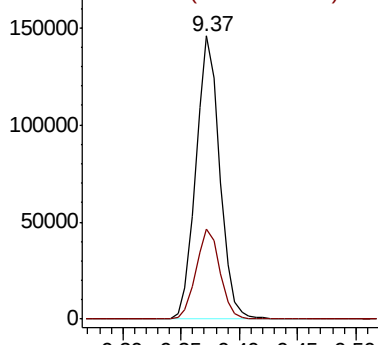
76 100

78 32.2 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: 264.550 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005464.D

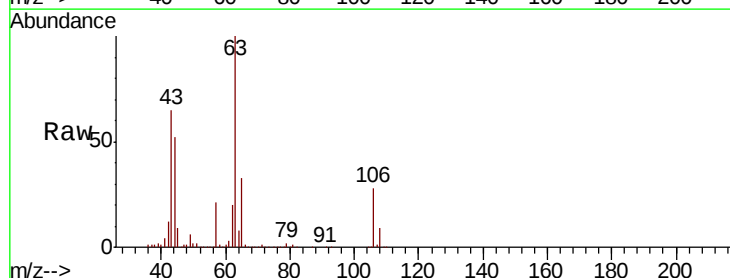
Acq: 19 Oct 2018 17:53

Tgt Ion: 63 Resp: 535137

Ion Ratio Lower Upper

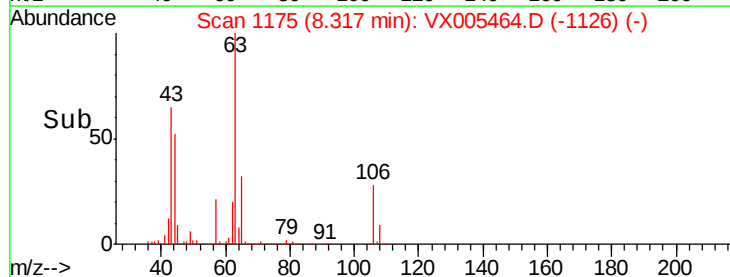
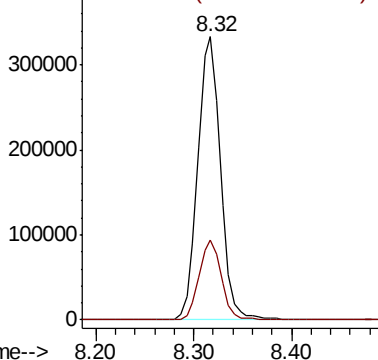
63 100

106 27.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

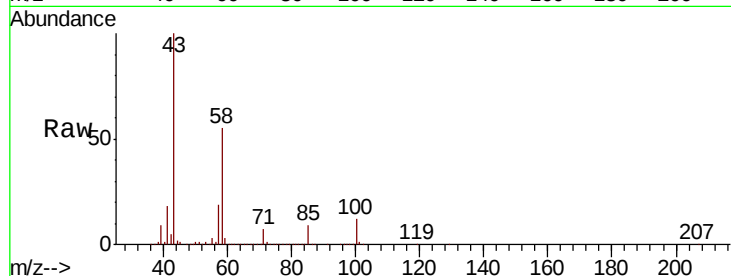




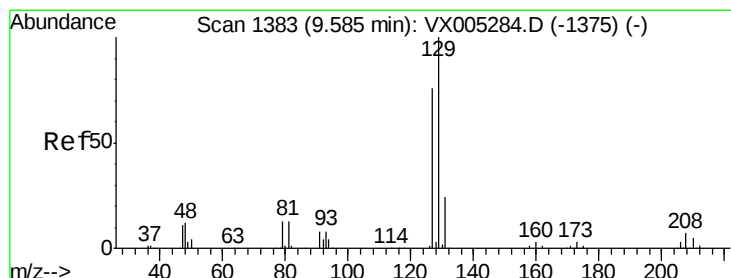
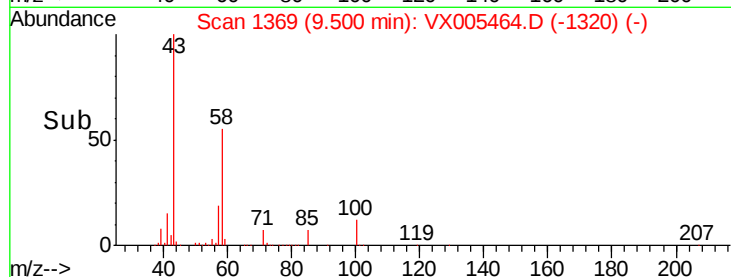
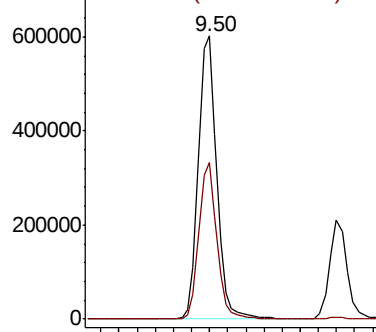
#59
2-Hexanone
Concen: 250.150 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 849573
Ion Ratio Lower Upper
43 100
58 54.0 29.0 87.0

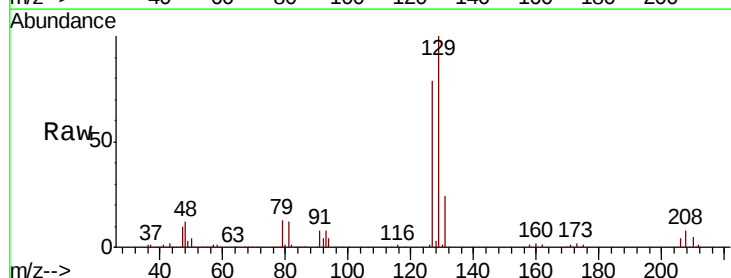


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

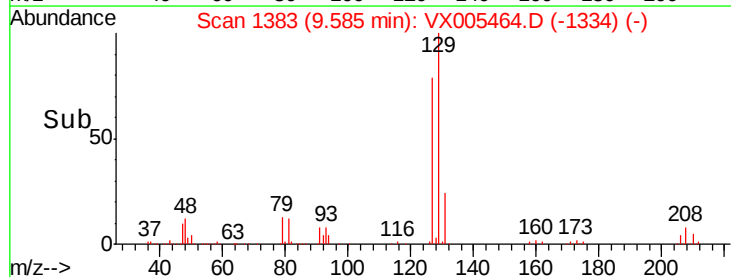
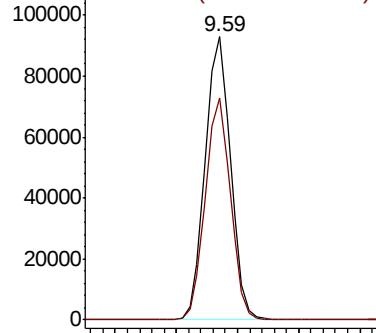


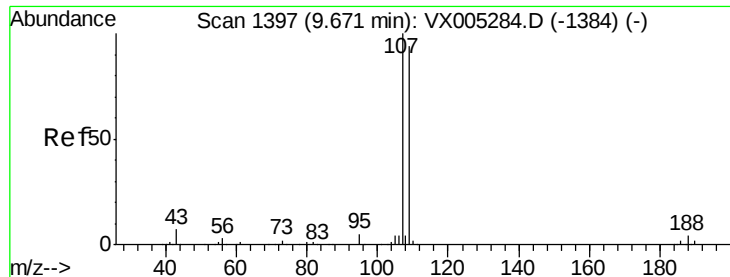
#60
Dibromochloromethane
Concen: 52.086 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion:129 Resp: 133210
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 50.022 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

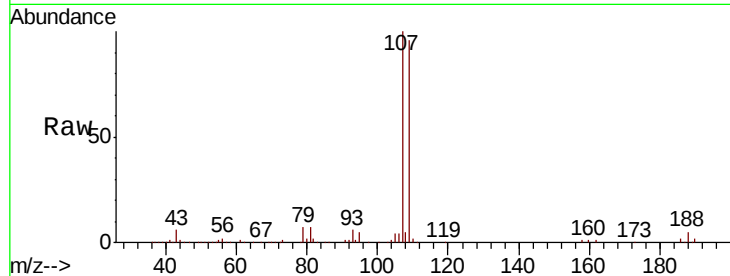
VSTDCCC050EC

Tot Ion:107 Resp: 129887

Ion Ratio Lower Upper

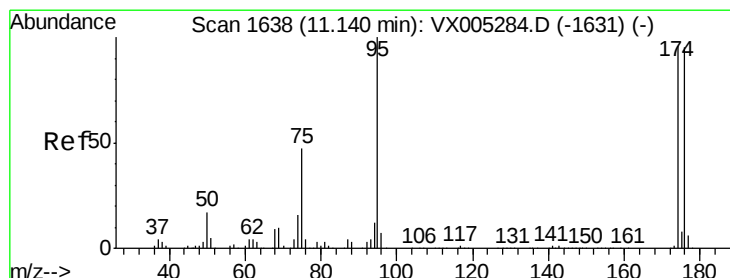
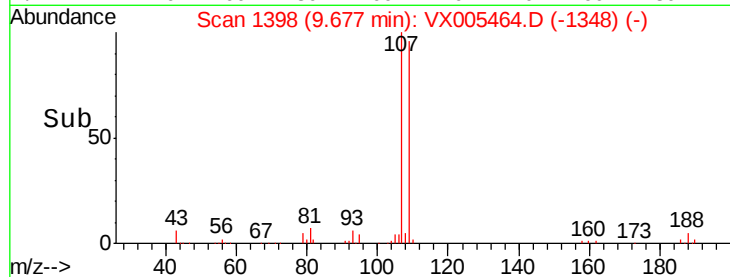
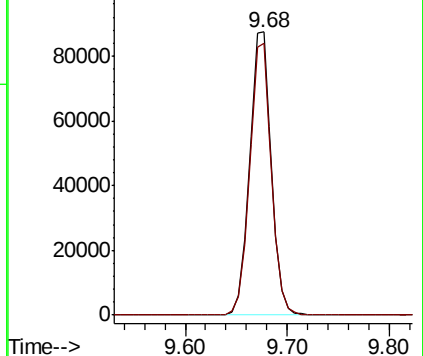
107 100

109 96.1 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: 52.226 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

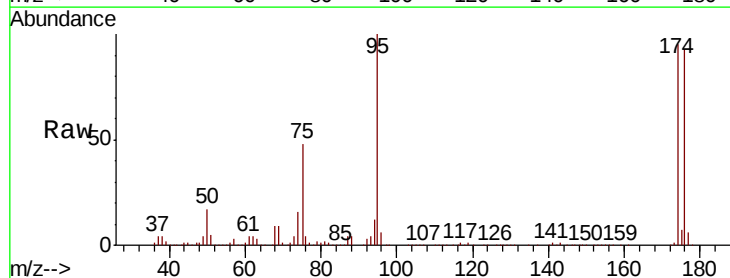
Tgt Ion: 95 Resp: 163952

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.2

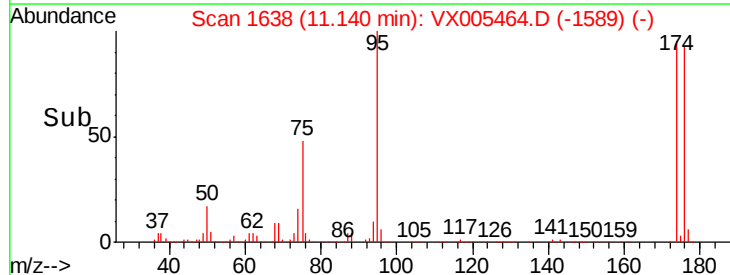
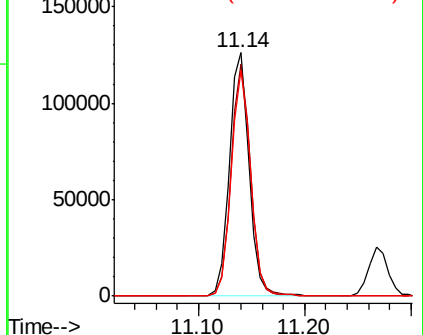
176 91.7 0.0 178.6

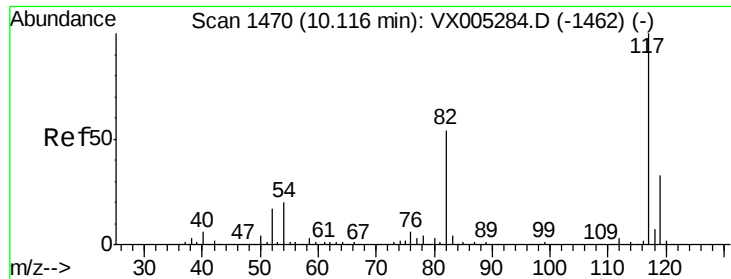


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

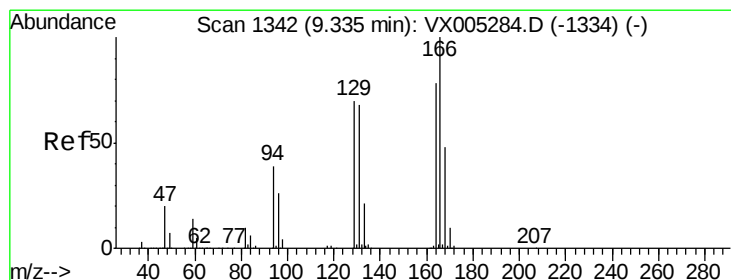
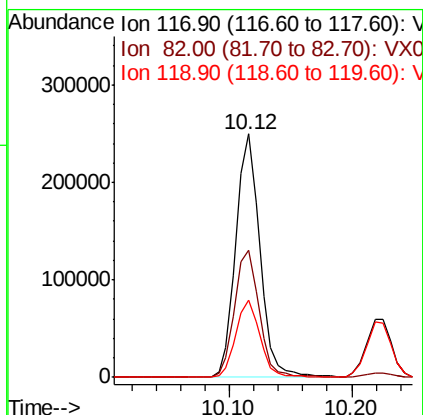
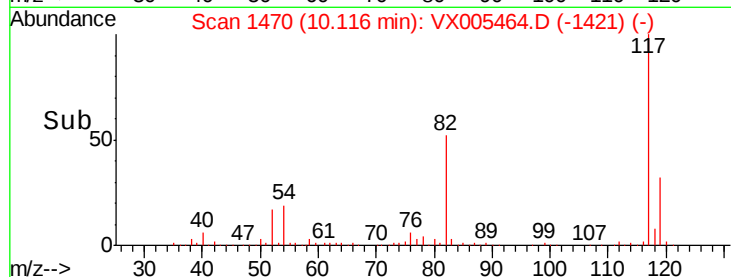
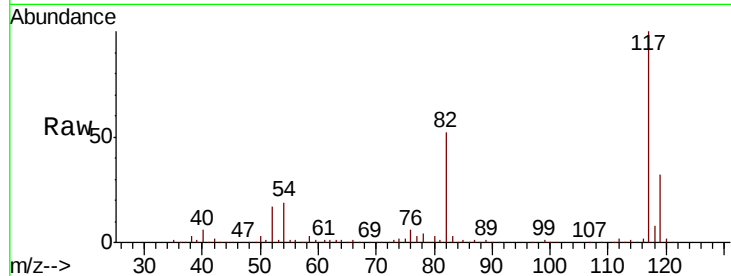




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

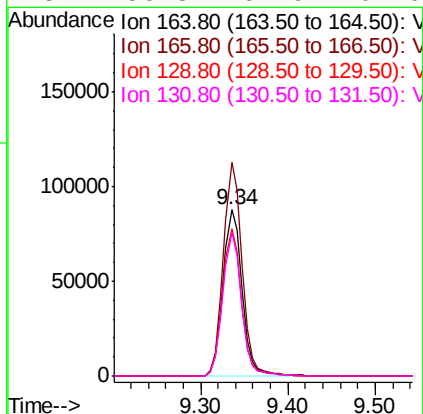
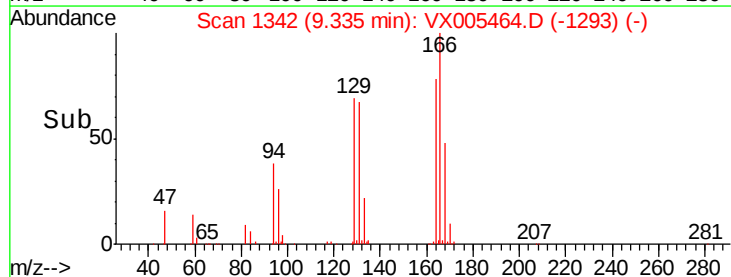
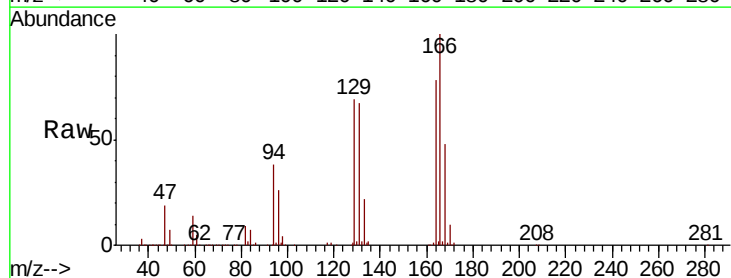
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 340328
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.6
119 31.7 29.3 43.9



#64
Tetrachloroethene
Concen: 48.360 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion:164 Resp: 132497
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 88.3 69.4 104.0
131 86.3 67.9 101.9

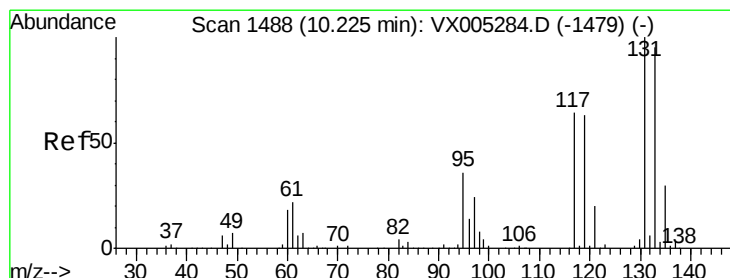
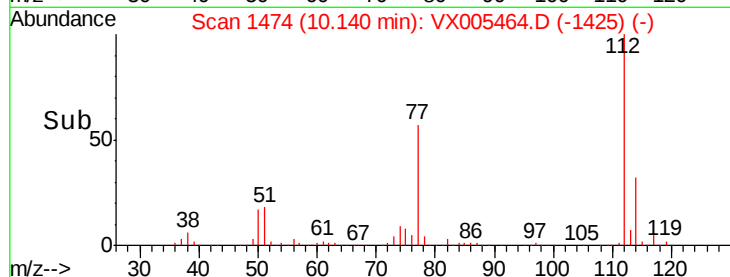
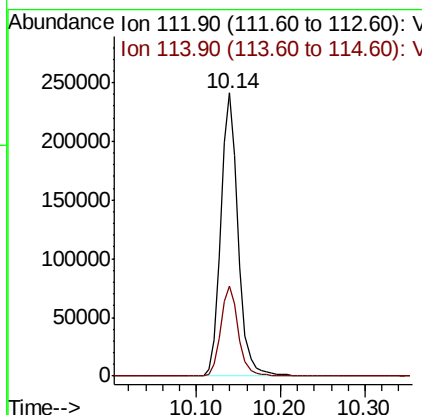
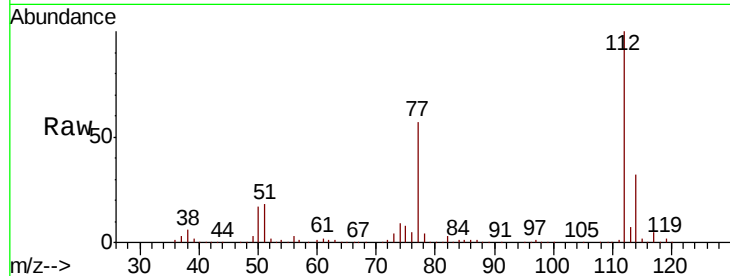




#65
Chlorobenzene
Concen: 47.235 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

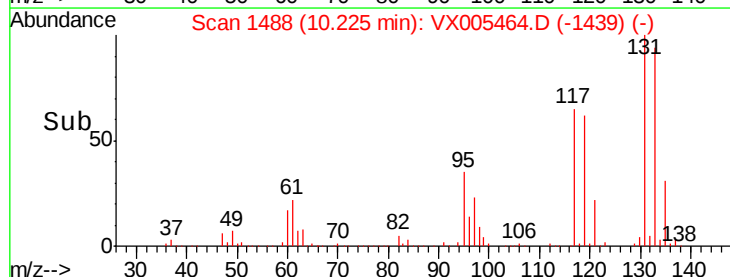
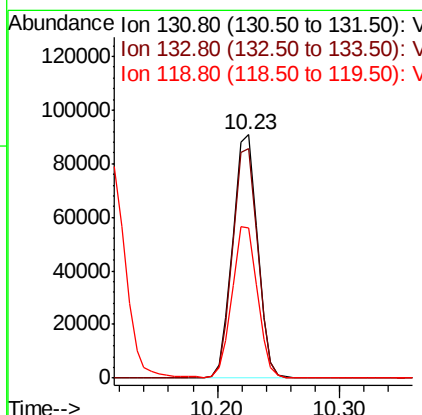
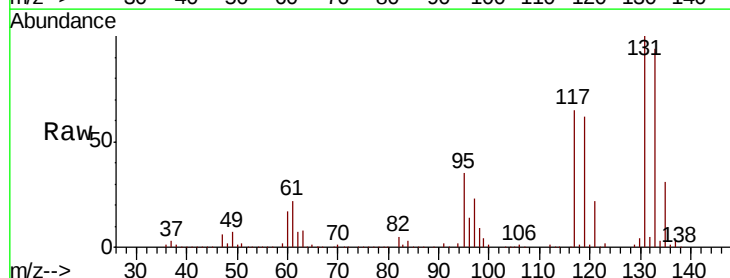
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

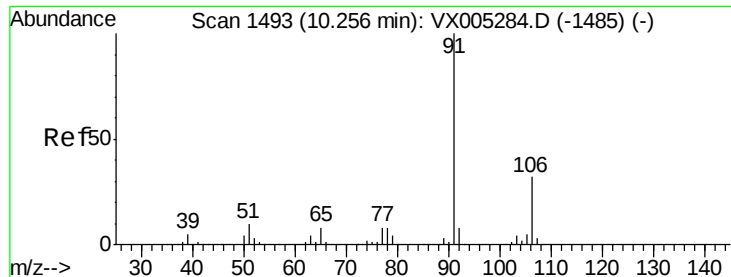
Tot Ion:112 Resp: 341946
Ion Ratio Lower Upper
112 100
114 31.9 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.302 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion:131 Resp: 127186
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 63.5 32.9 98.6





#67

Ethyl Benzene

Concen: 48.780 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

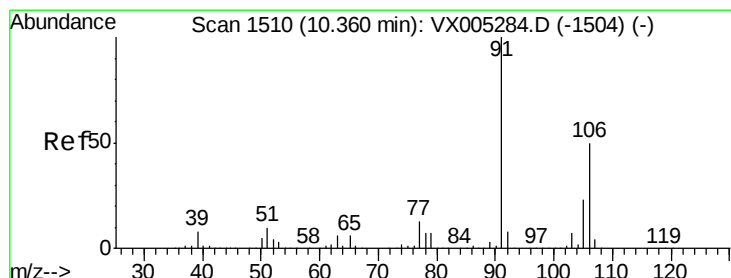
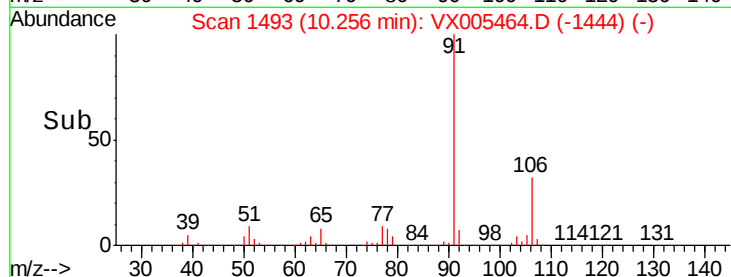
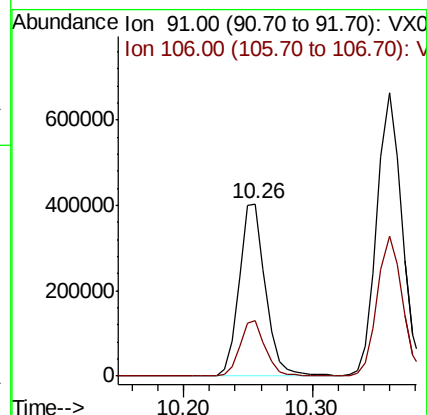
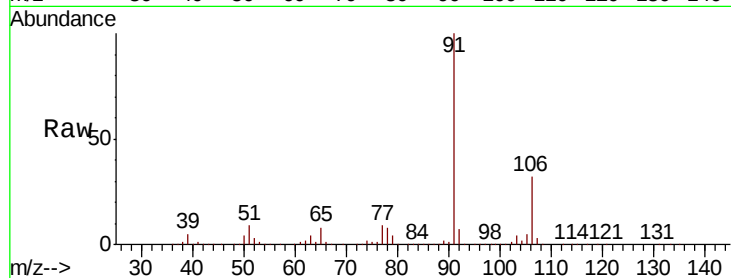
VSTDCCC050EC

Tot Ion: 91 Resp: 574063

Ion Ratio Lower Upper

91 100

106 32.4 25.9 38.9



#68

m/p-Xylenes

Concen: 98.737 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005464.D

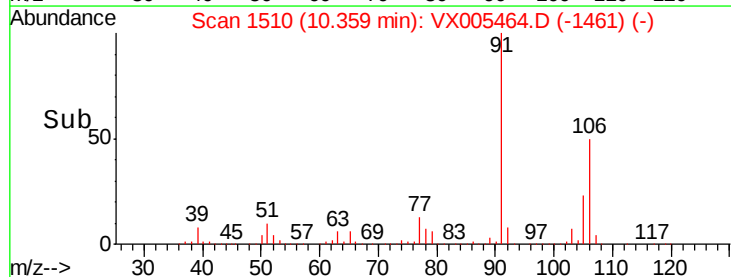
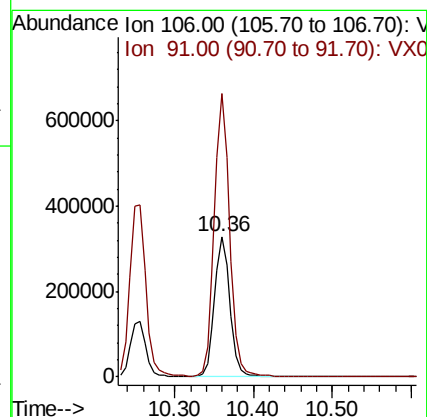
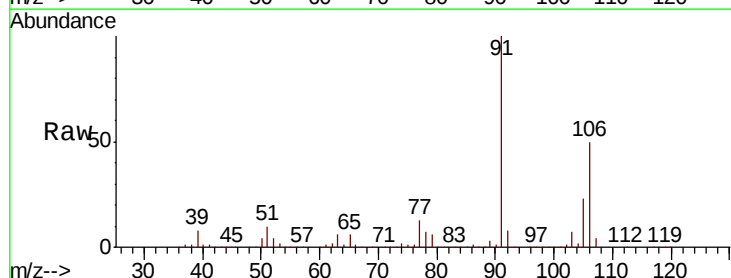
Acq: 19 Oct 2018 17:53

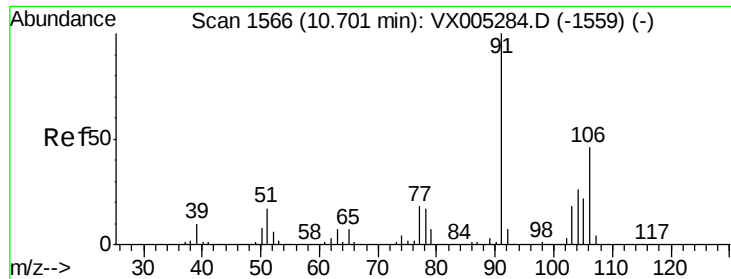
Tgt Ion: 106 Resp: 451010

Ion Ratio Lower Upper

106 100

91 200.6 157.1 235.7

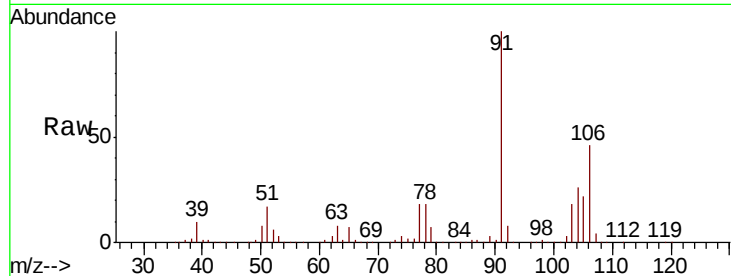




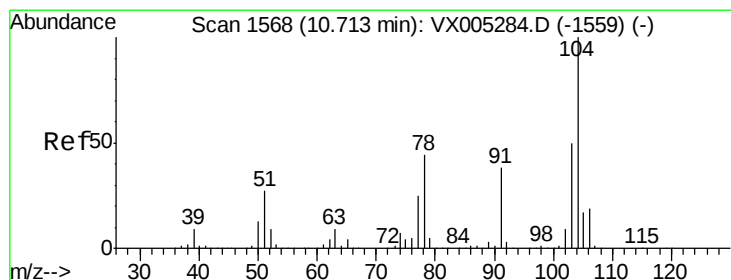
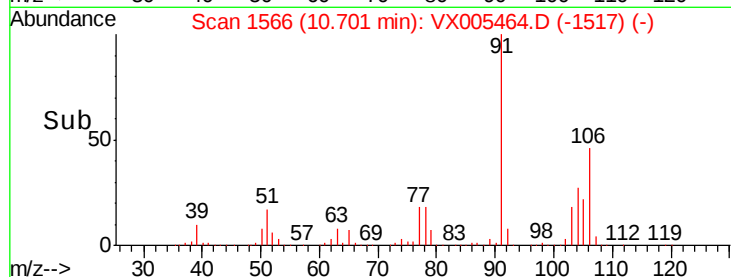
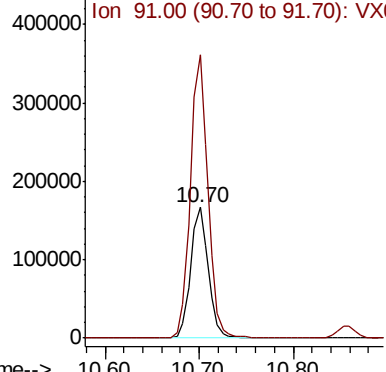
#69
o-Xylene
Concen: 49.201 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 216747
Ion Ratio Lower Upper
106 100
91 214.8 105.1 315.1

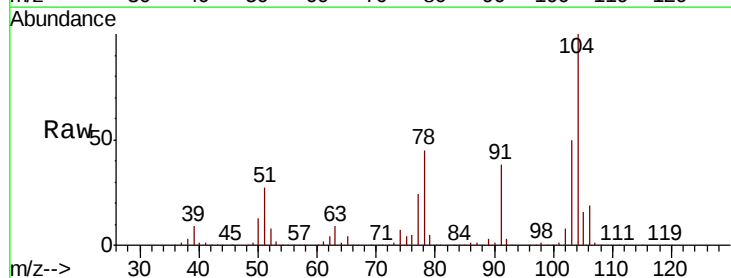


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

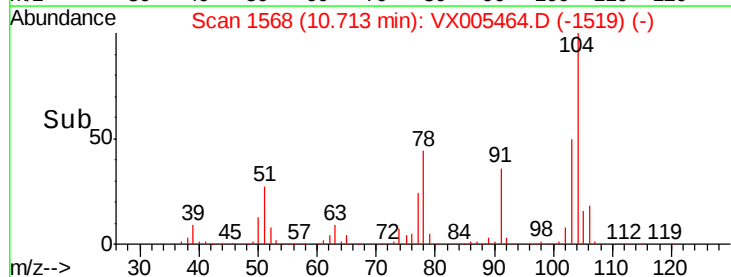
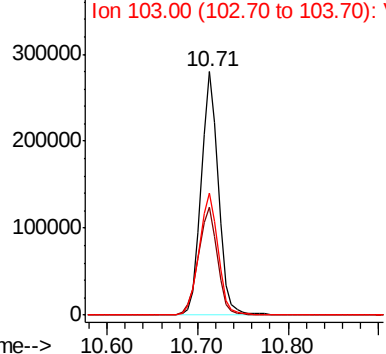


#70
Styrene
Concen: 51.139 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion:104 Resp: 370551
Ion Ratio Lower Upper
104 100
78 49.4 37.4 56.0
103 55.2 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: 49.319 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

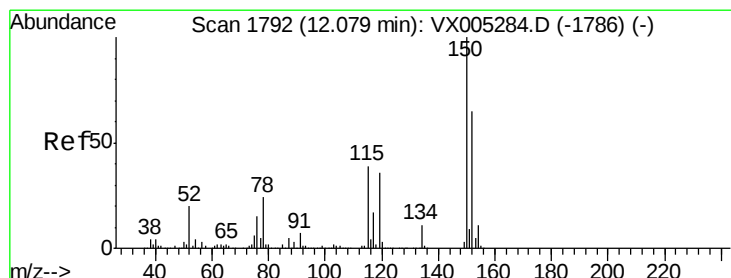
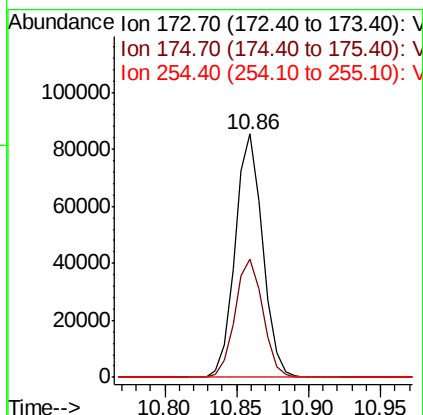
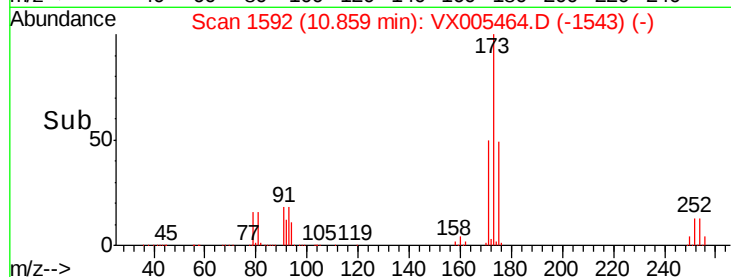
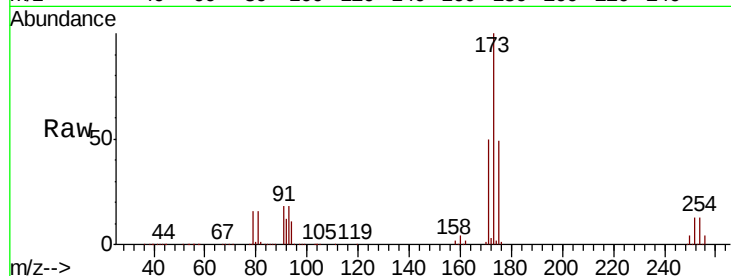
Tot Ion:173 Resp: 113697

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.3

254 0.2 0.2 0.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

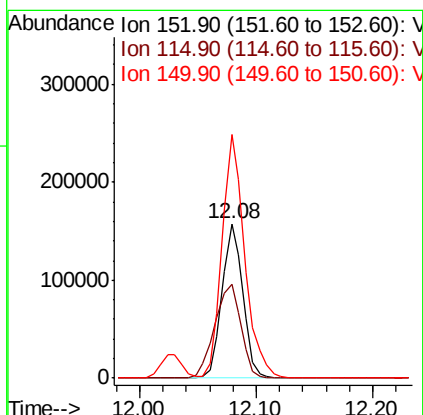
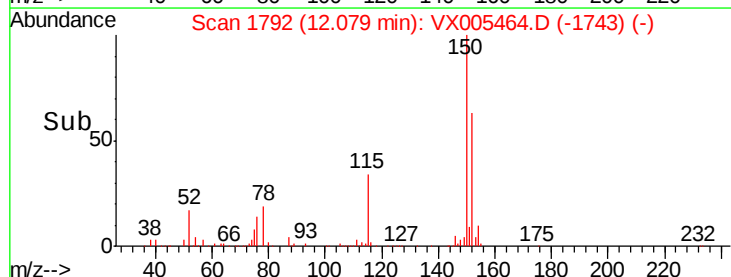
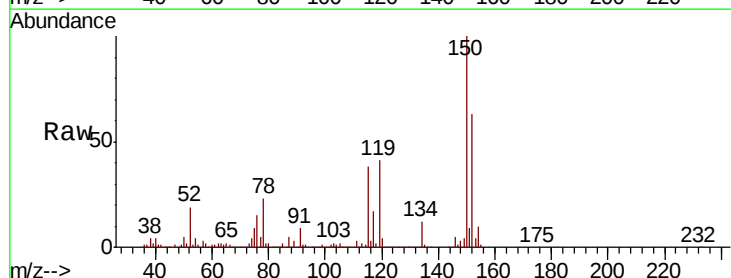
Tgt Ion:152 Resp: 193710

Ion Ratio Lower Upper

152 100

115 76.4 39.0 117.0

150 172.5 0.0 351.0





#73

Isopropylbenzene

Concen: 51.524 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

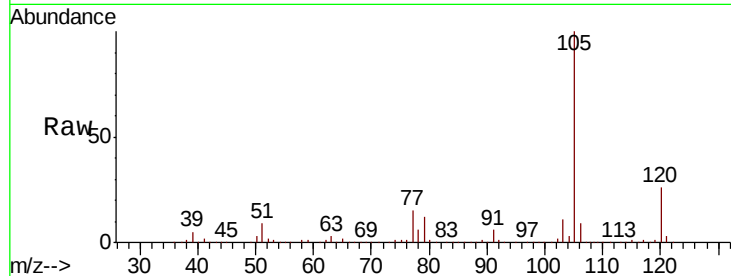
VSTDCCC050EC

Tot Ion:105 Resp: 593319

Ion Ratio Lower Upper

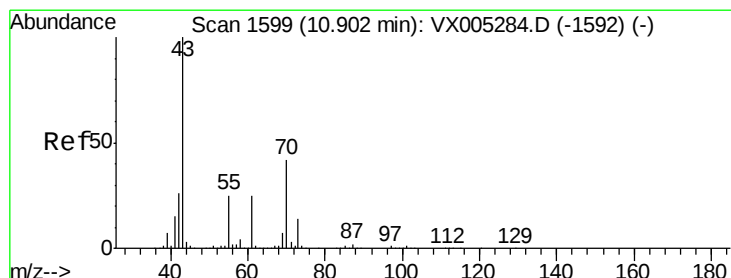
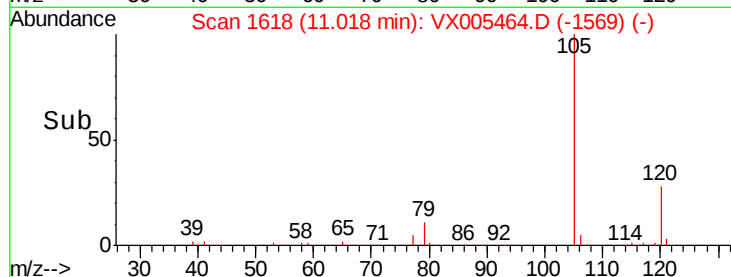
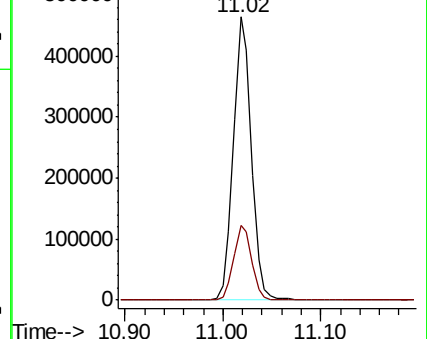
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.916 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Tgt Ion: 43 Resp: 282792

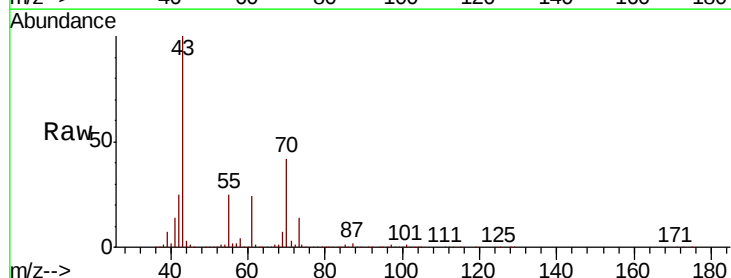
Ion Ratio Lower Upper

43 100

70 41.7 37.4 56.0

55 25.1 21.8 32.8

61 23.8 20.6 30.8

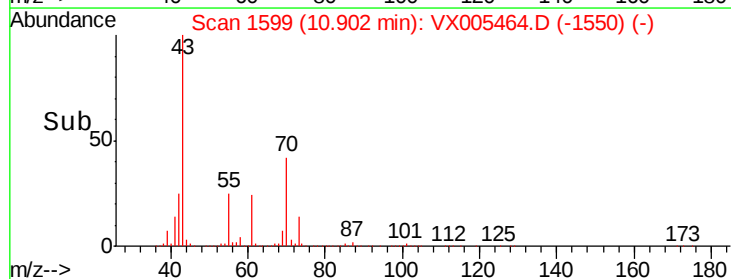
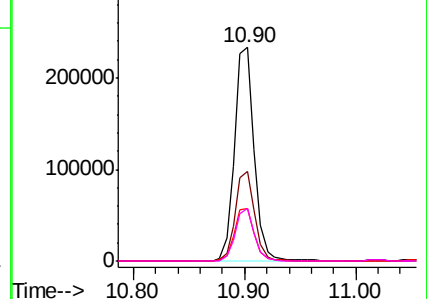


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.584 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

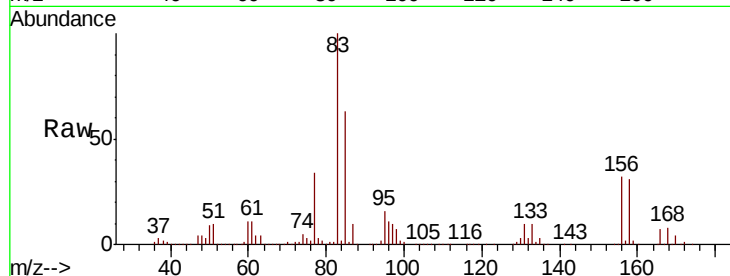
Tot Ion: 83 Resp: 206703

Ion Ratio Lower Upper

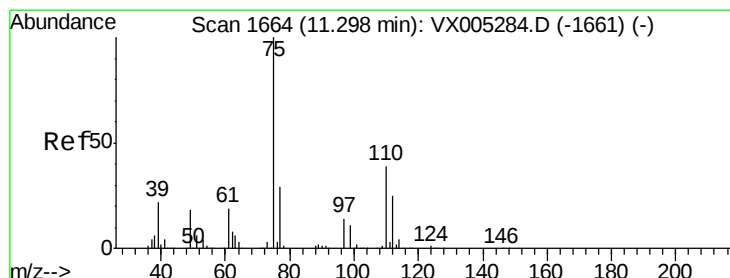
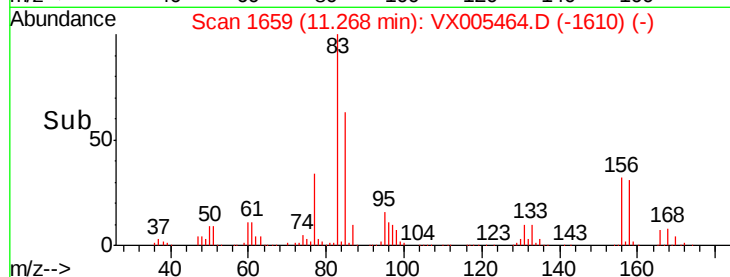
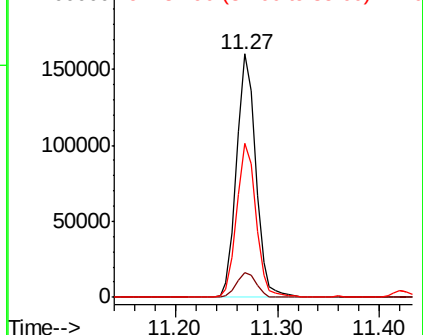
83 100

131 10.5 5.2 15.6

85 63.7 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: 63.782 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005464.D

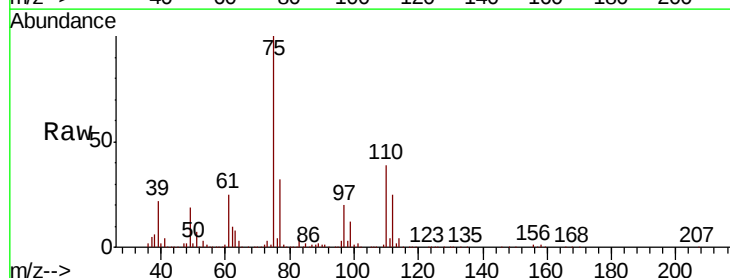
Acq: 19 Oct 2018 17:53

Tgt Ion: 75 Resp: 239657

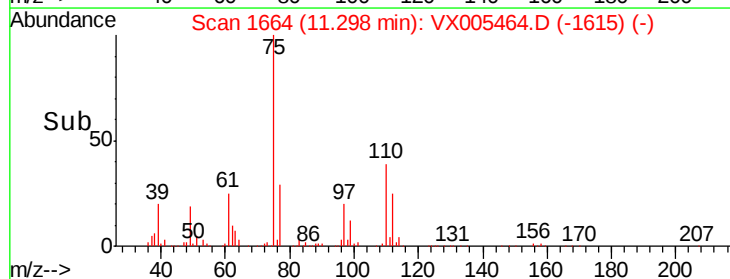
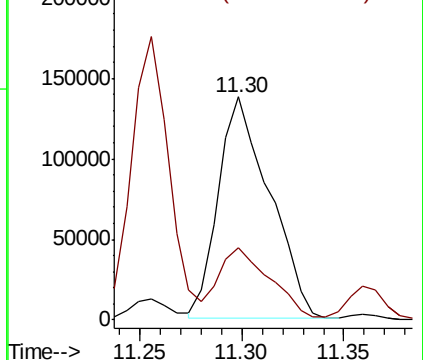
Ion Ratio Lower Upper

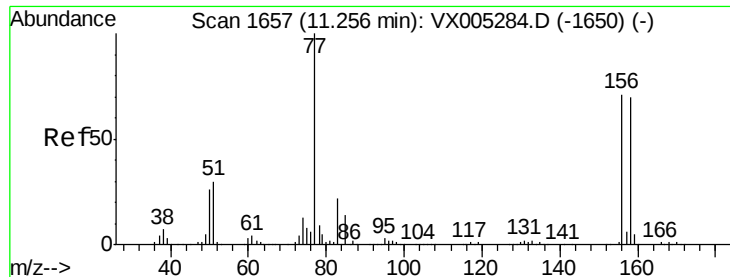
75 100

77 32.7 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: 49.485 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

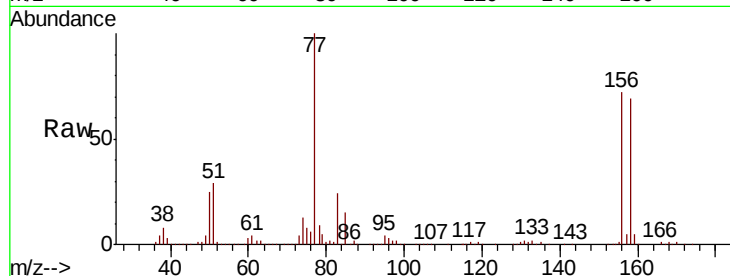
Tot Ion:156 Resp: 162935

Ion Ratio Lower Upper

156 100

77 139.3 71.5 214.3

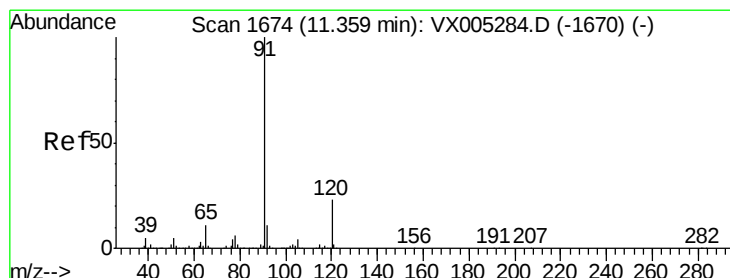
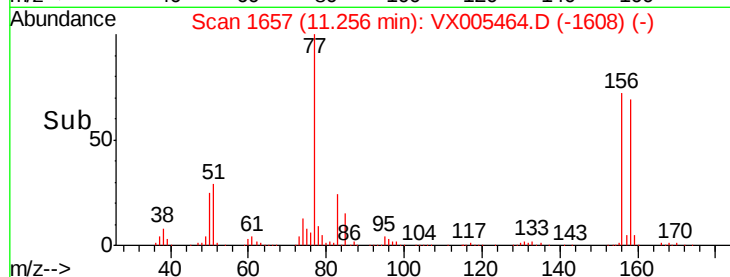
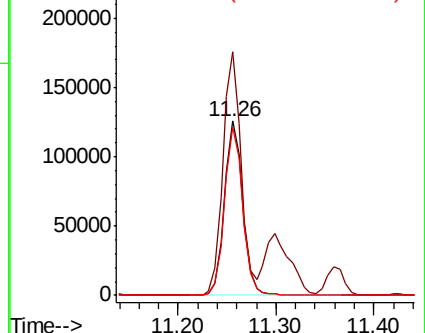
158 96.9 48.9 146.8



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: 50.775 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005464.D

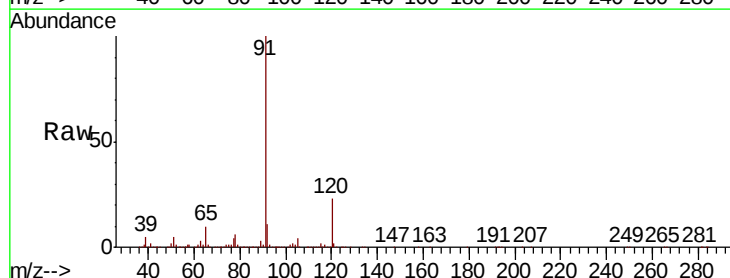
Acq: 19 Oct 2018 17:53

Tgt Ion: 91 Resp: 672831

Ion Ratio Lower Upper

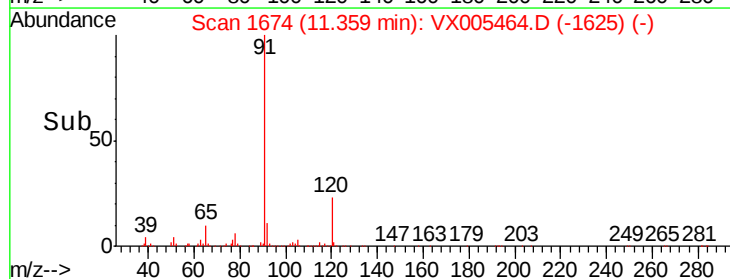
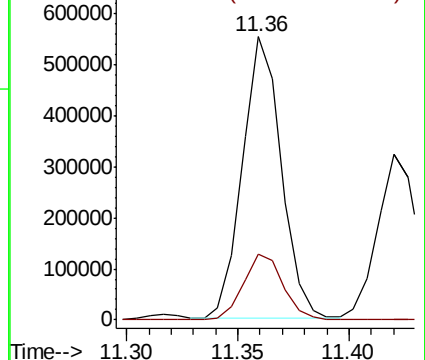
91 100

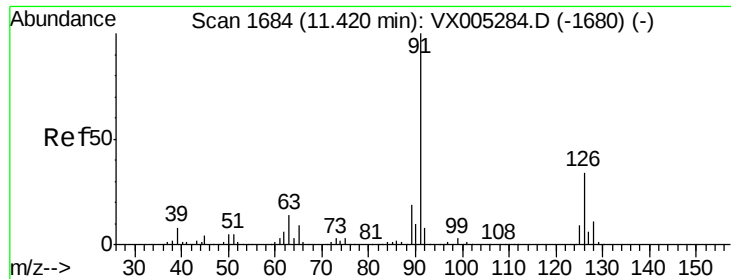
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

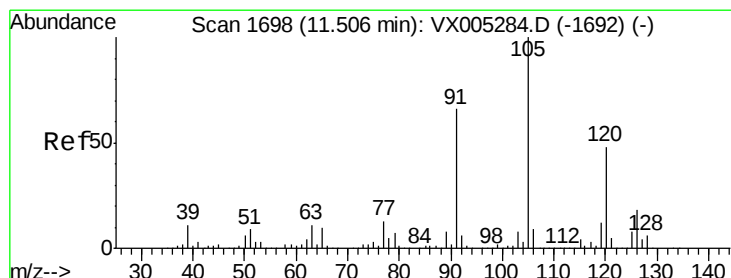
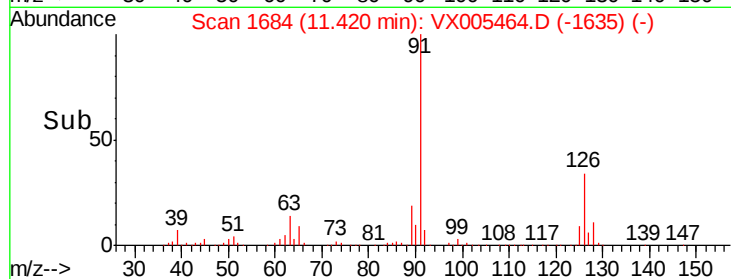
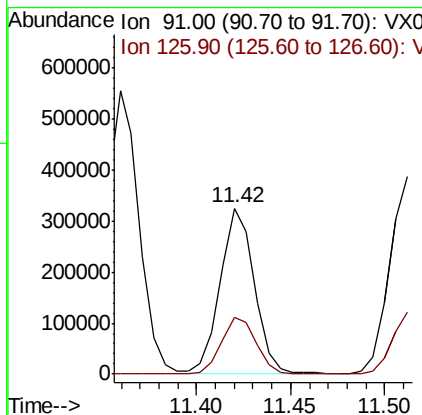
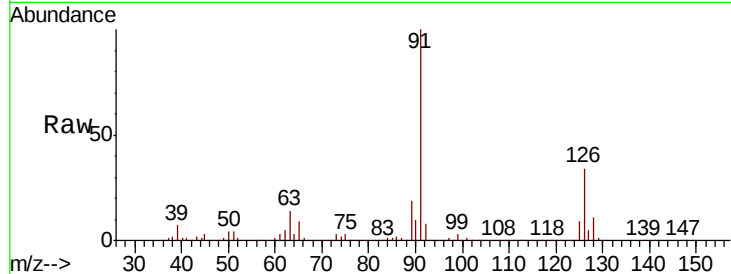




#79
 2-Chlorotoluene
 Concen: 49.739 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

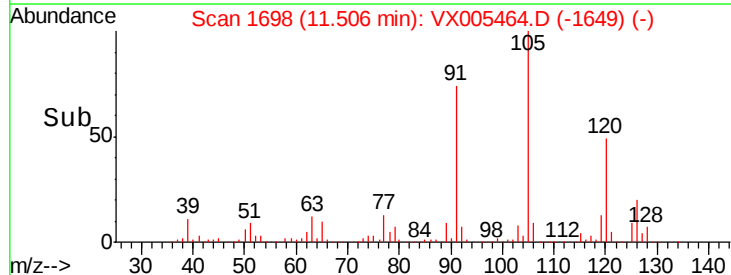
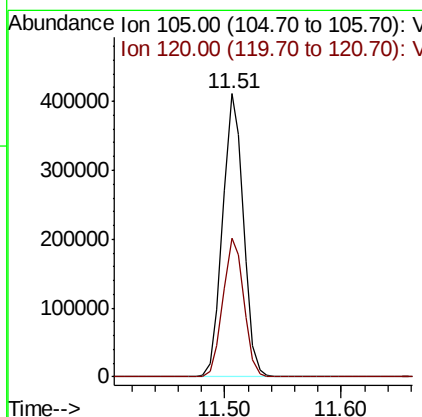
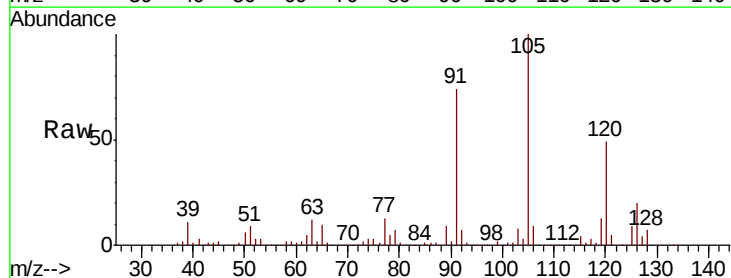
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

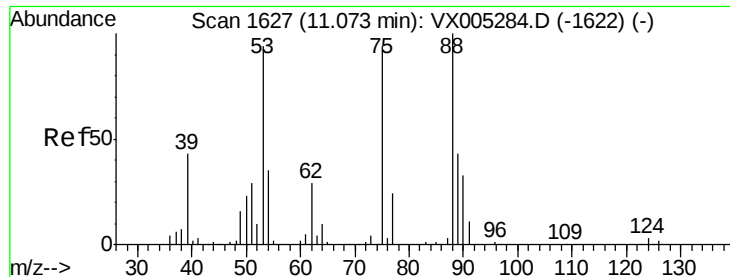
Tot Ion: 91 Resp: 403659
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.181 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion: 105 Resp: 504704
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.132 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

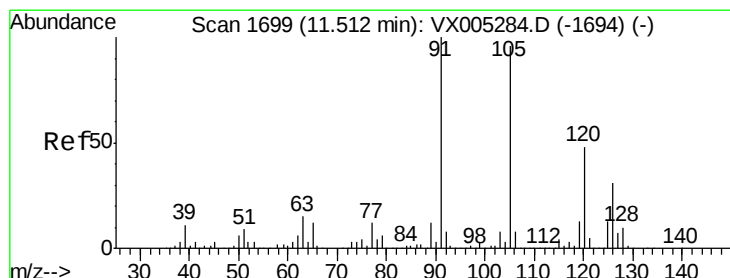
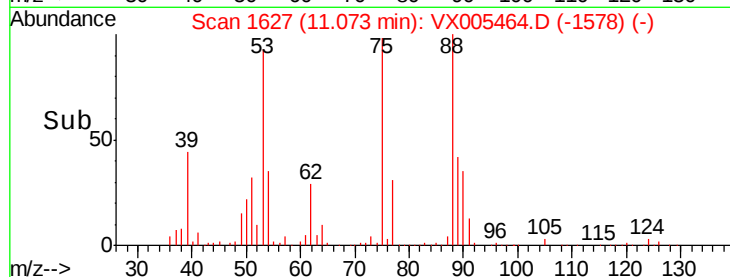
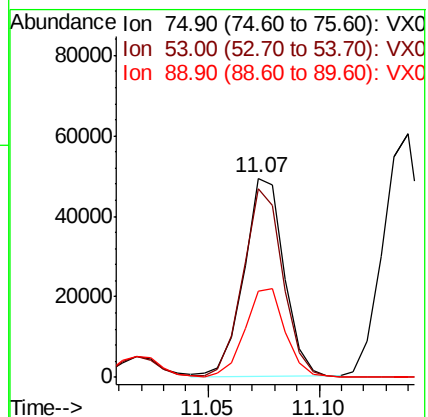
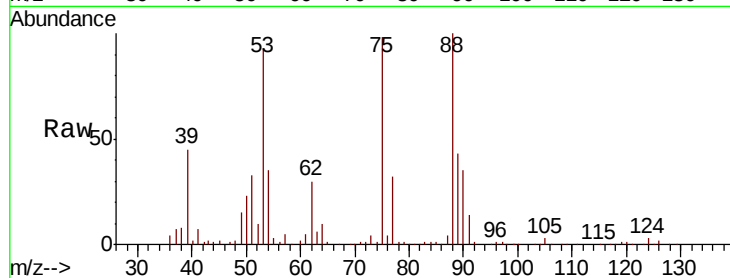
Tot Ion: 75 Resp: 61994

Ion Ratio Lower Upper

75 100

53 94.0 80.1 120.1

89 44.9 37.2 55.8



#82

4-Chlorotoluene

Concen: 50.014 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005464.D

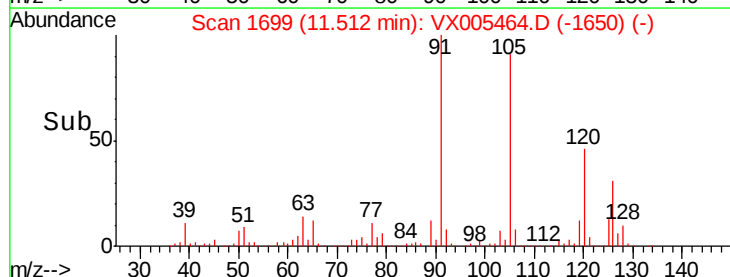
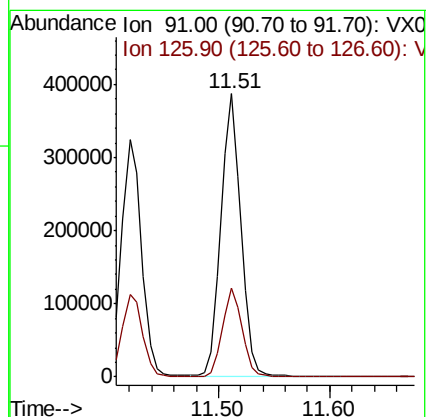
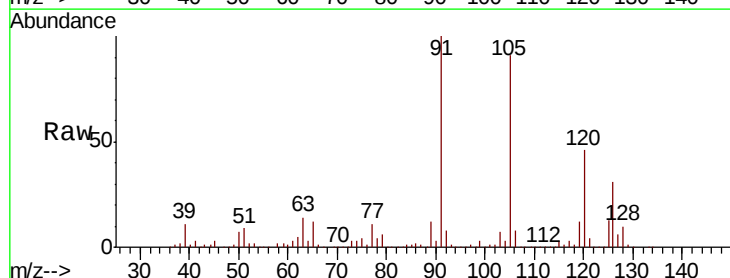
Acq: 19 Oct 2018 17:53

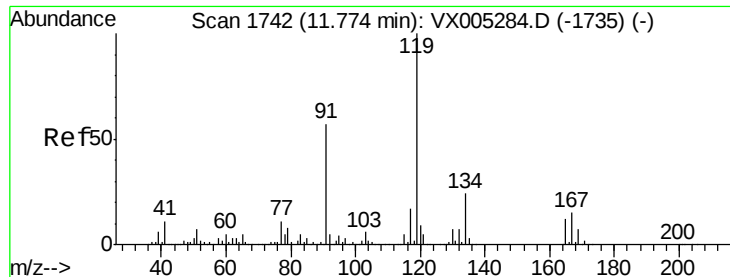
Tgt Ion: 91 Resp: 481155

Ion Ratio Lower Upper

91 100

126 30.7 15.5 46.5

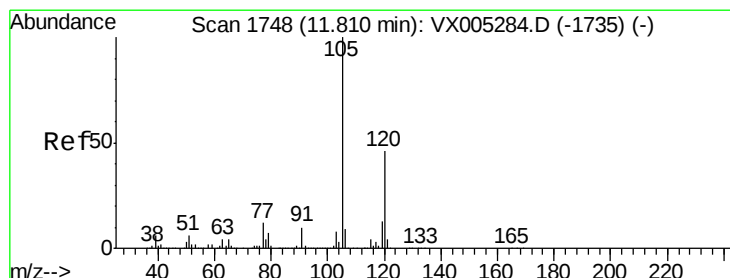
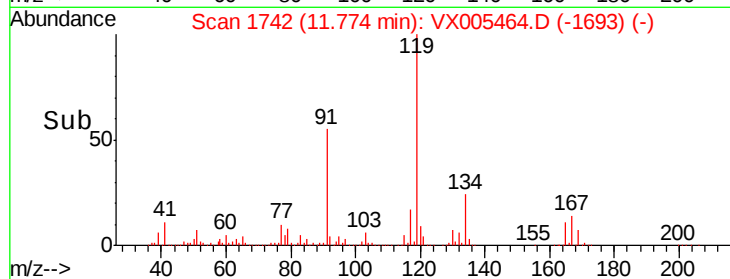
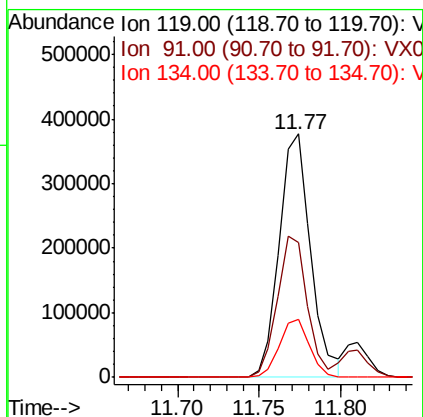
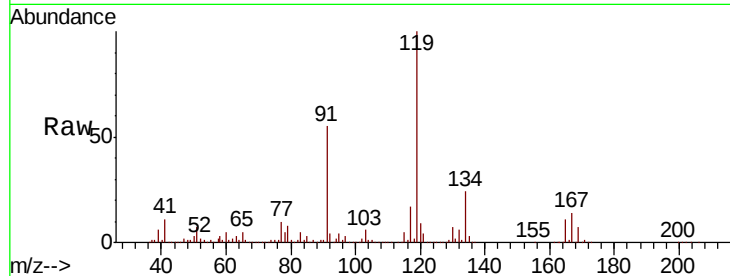




#83
 tert-Butylbenzene
 Concen: 50.745 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

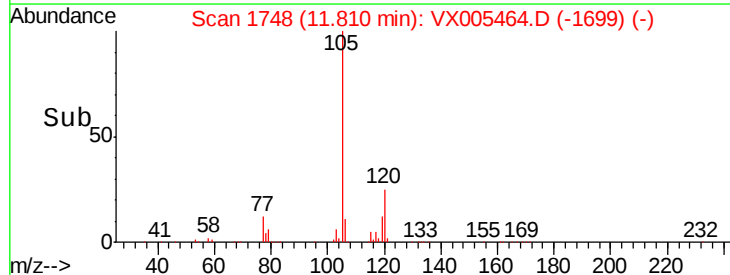
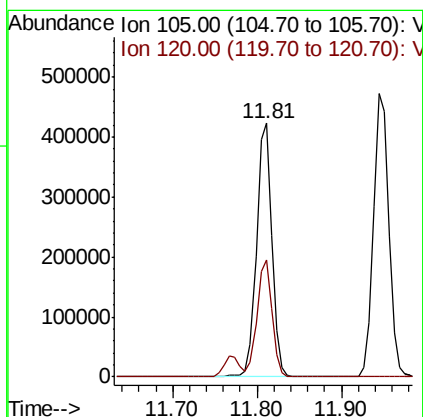
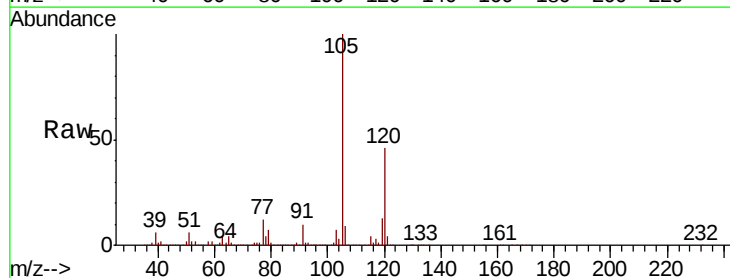
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

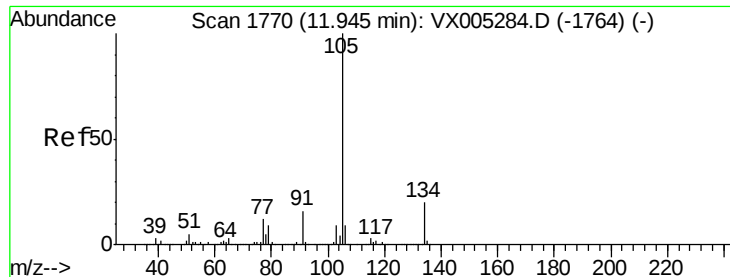
Tot Ion:119 Resp: 506735
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.0 81.0
 134 22.9 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.534 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion:105 Resp: 522978
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 50.766 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

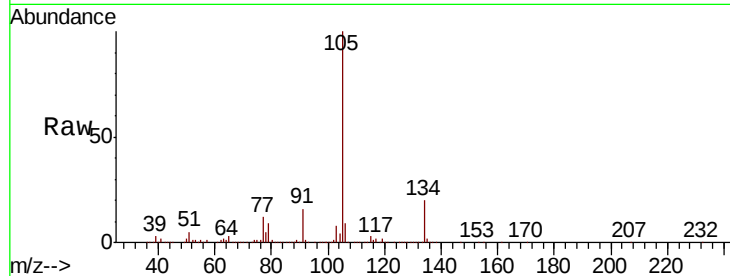
VSTDCCC050EC

Tot Ion:105 Resp: 599934

Ion Ratio Lower Upper

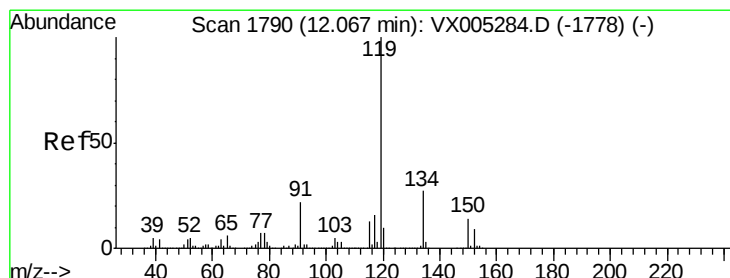
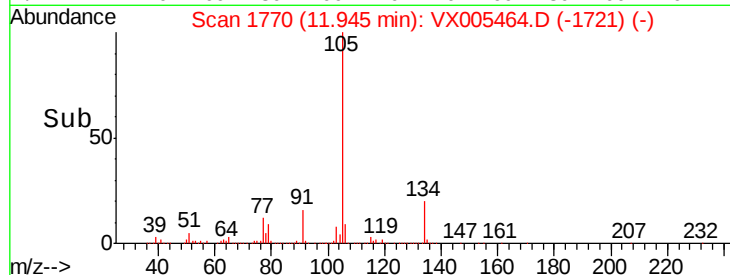
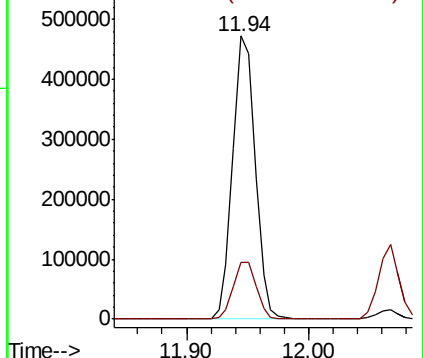
105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.628 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

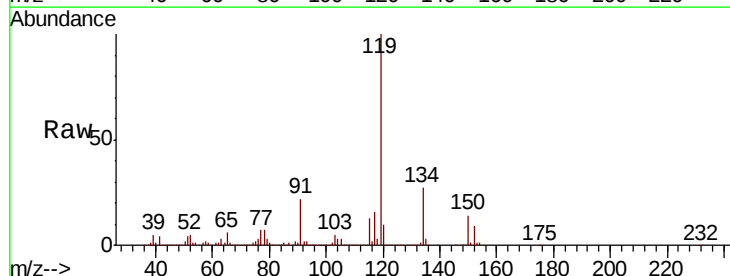
Tgt Ion:119 Resp: 551449

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

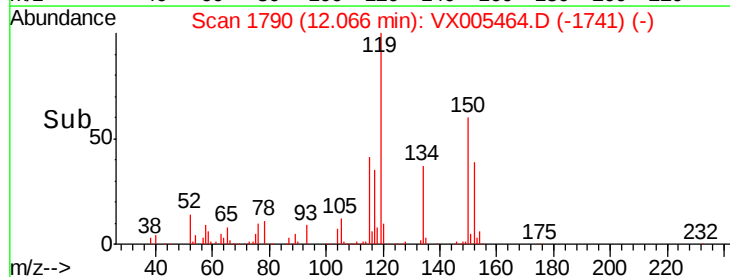
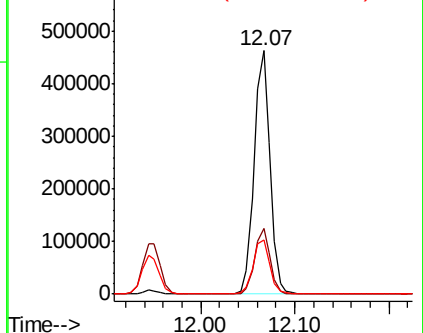
91 24.0 10.9 32.7

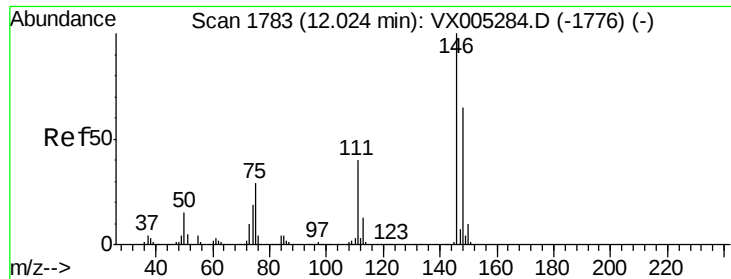


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.883 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

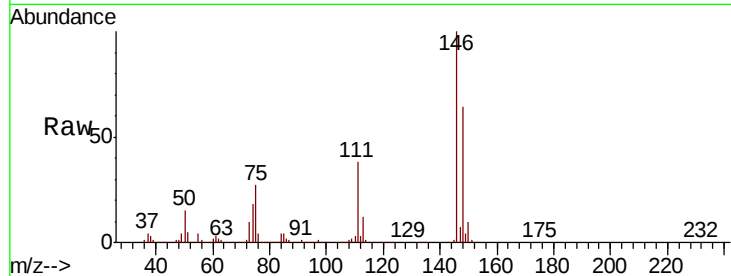
Tot Ion:146 Resp: 300757

Ion Ratio Lower Upper

146 100

111 37.1 18.7 56.1

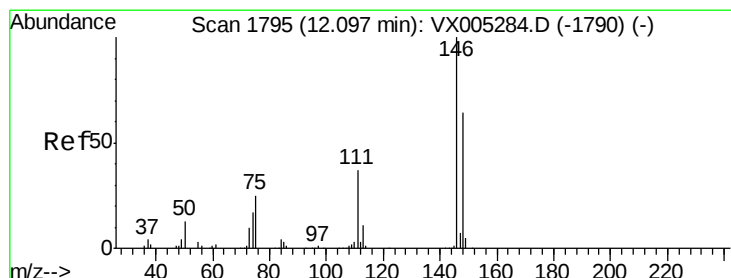
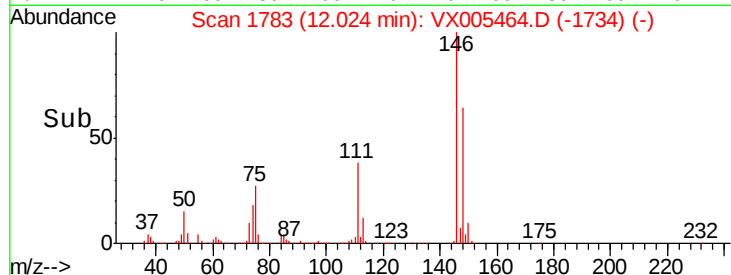
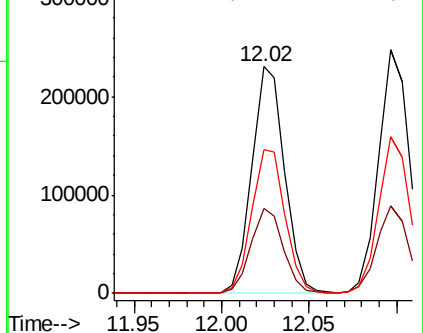
148 64.7 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.413 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

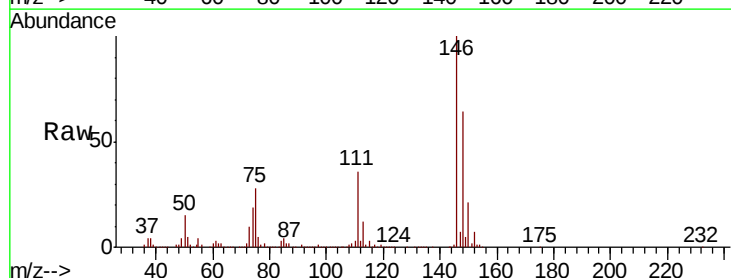
Tgt Ion:146 Resp: 304719

Ion Ratio Lower Upper

146 100

111 36.5 18.1 54.1

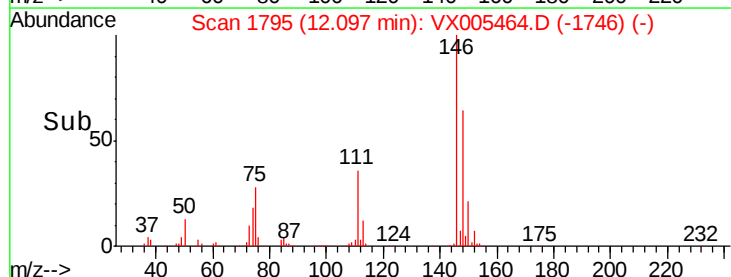
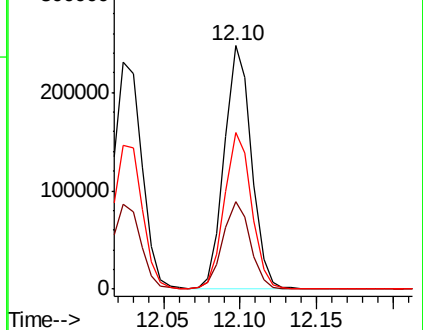
148 64.6 32.0 96.0

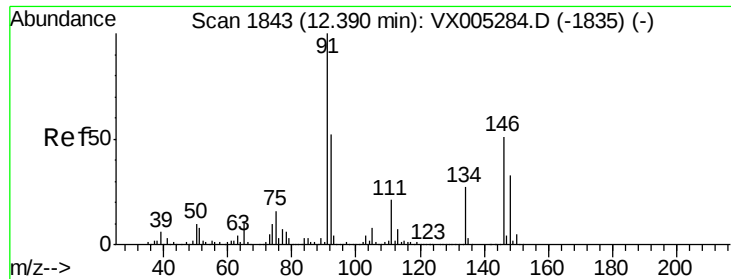


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

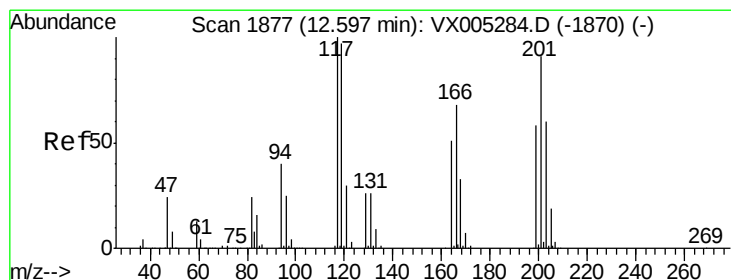
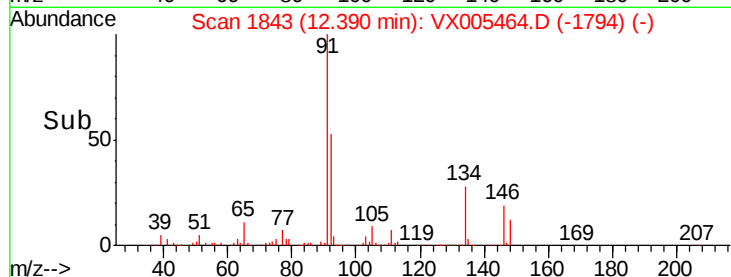
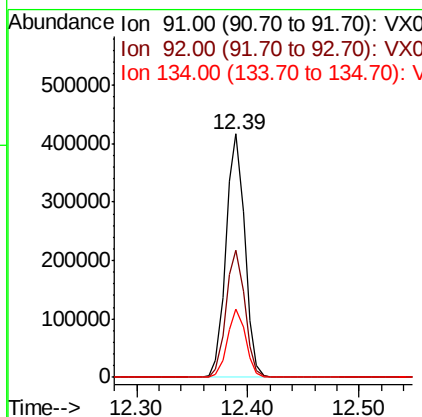
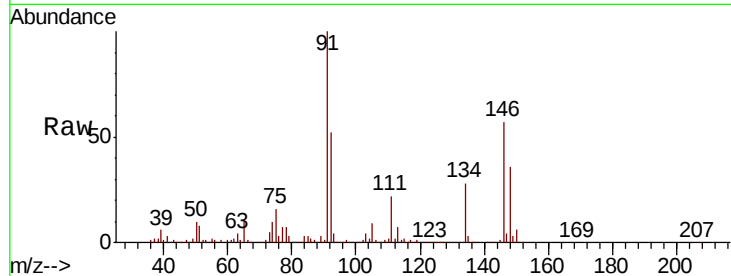




#89
n-Butylbenzene
Concen: 49.971 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

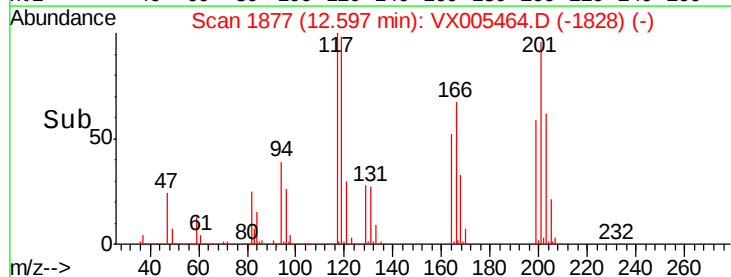
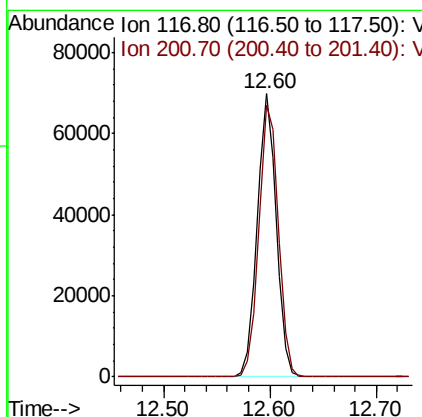
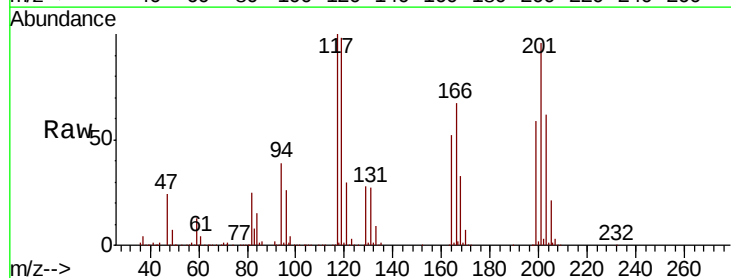
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

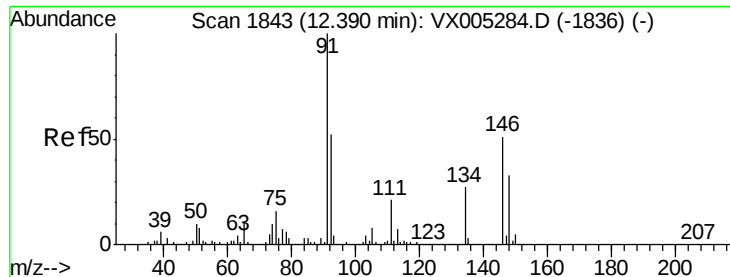
Tot Ion: 91 Resp: 484628
Ion Ratio Lower Upper
91 100
92 52.6 27.3 81.9
134 27.4 13.6 40.7



#90
Hexachloroethane
Concen: 47.696 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion: 117 Resp: 87800
Ion Ratio Lower Upper
117 100
201 98.4 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 48.672 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

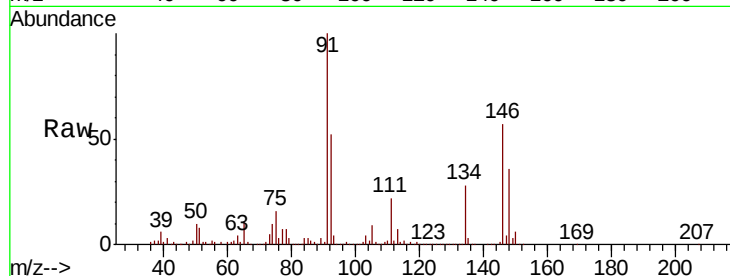
Tot Ion:146 Resp: 305590

Ion Ratio Lower Upper

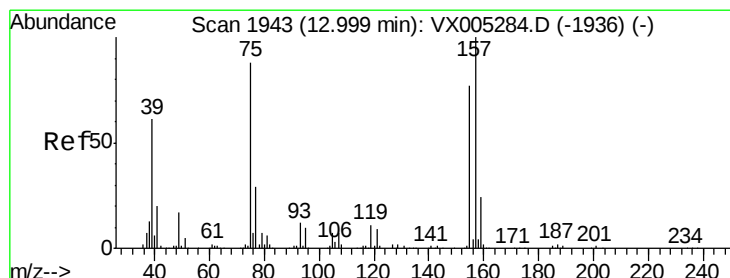
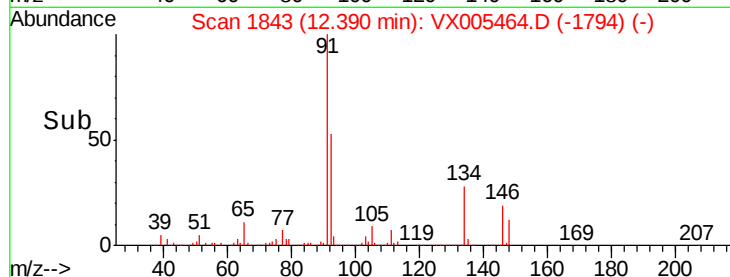
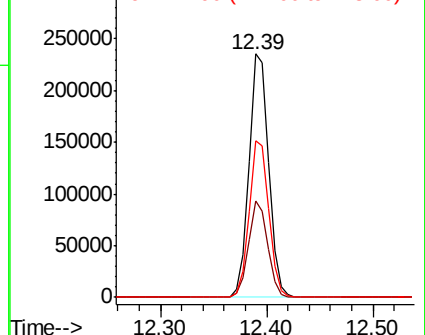
146 100

111 38.5 19.4 58.1

148 64.4 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.594 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005464.D

Acq: 19 Oct 2018 17:53

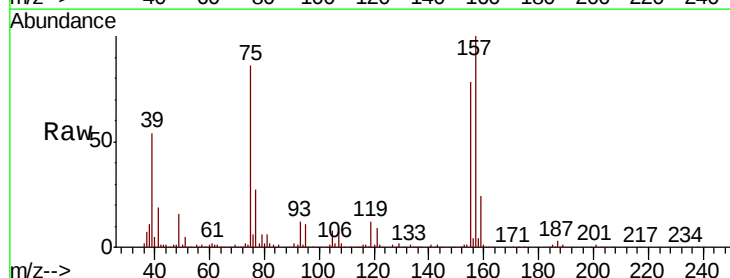
Tgt Ion: 75 Resp: 51491

Ion Ratio Lower Upper

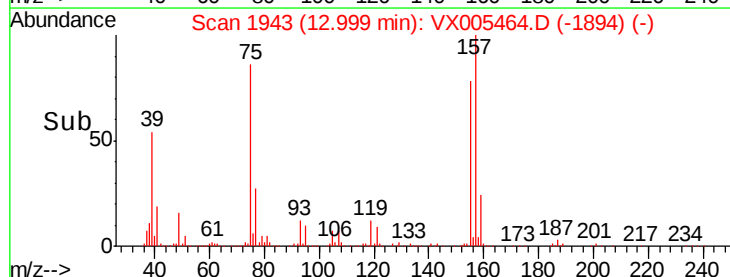
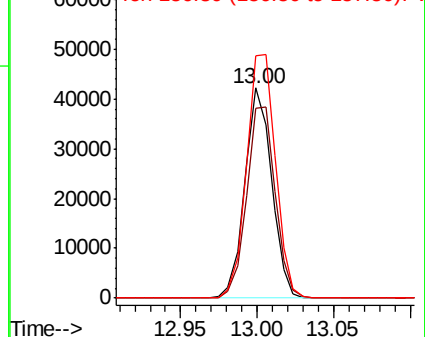
75 100

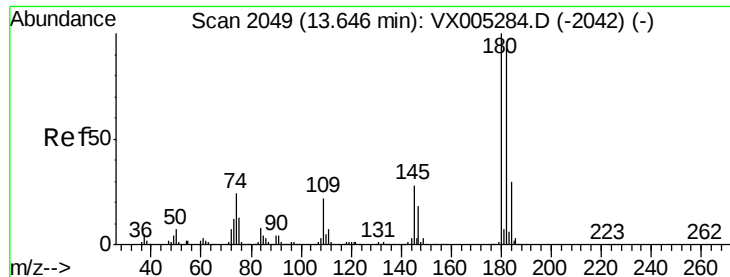
155 96.5 48.0 144.2

157 125.0 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

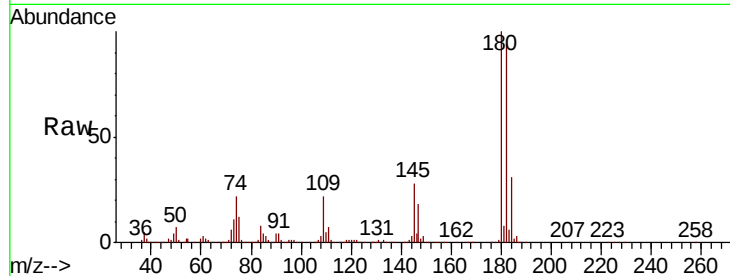




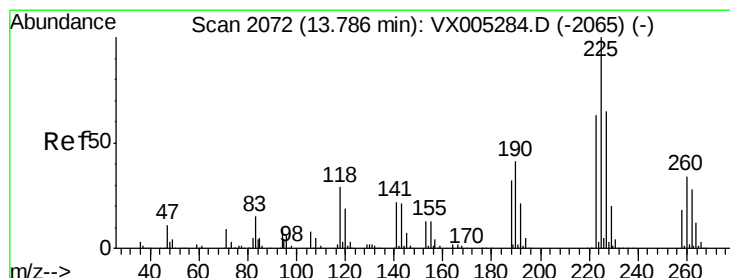
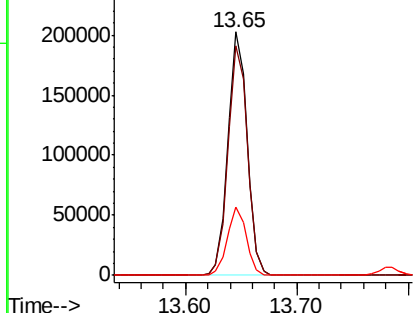
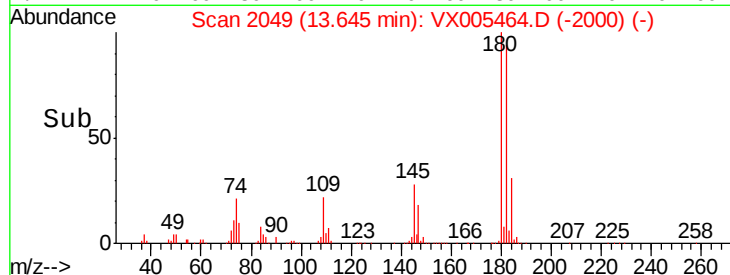
#93
 1,2,4-Trichlorobenzene
 Concen: 52.402 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 241385
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.4 145.0
 145 27.7 14.3 42.9

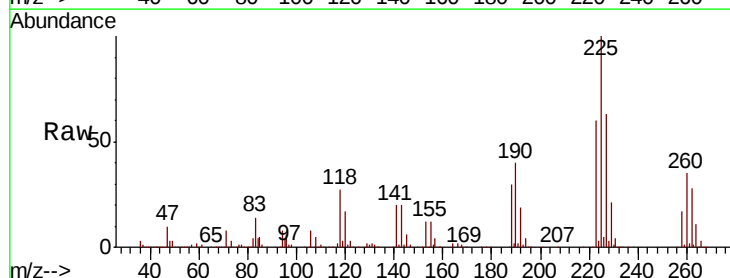


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

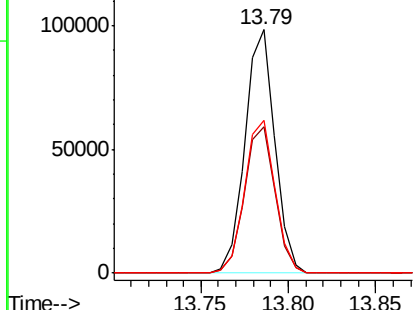
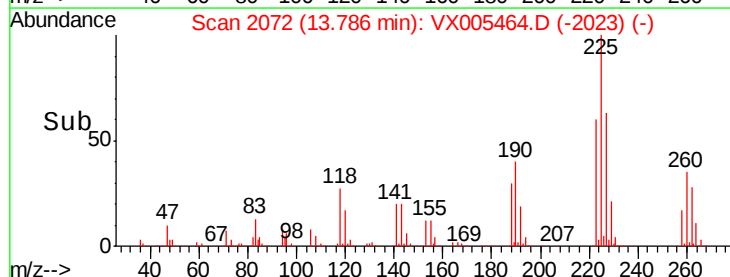


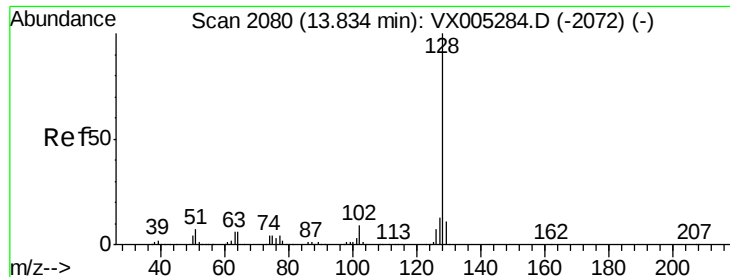
#94
 Hexachlorobutadiene
 Concen: 47.874 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005464.D
 Acq: 19 Oct 2018 17:53

Tgt Ion:225 Resp: 116470
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.1 90.5
 227 63.7 30.8 92.4



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

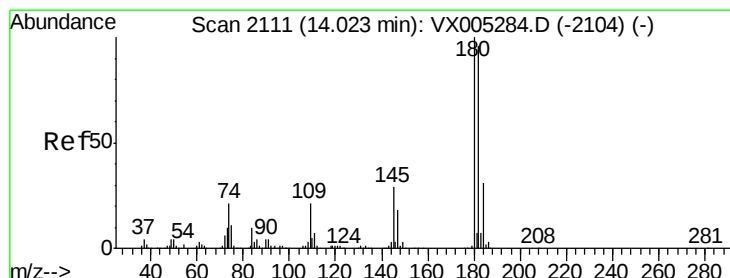
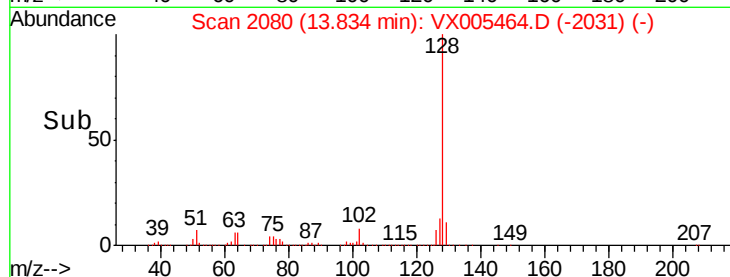
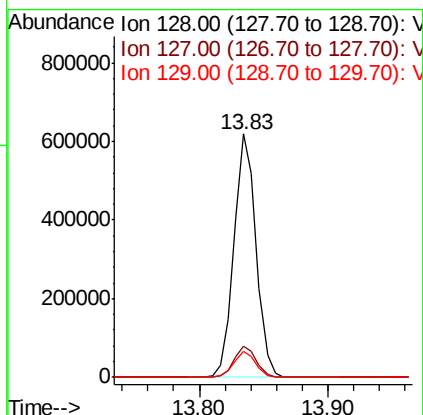
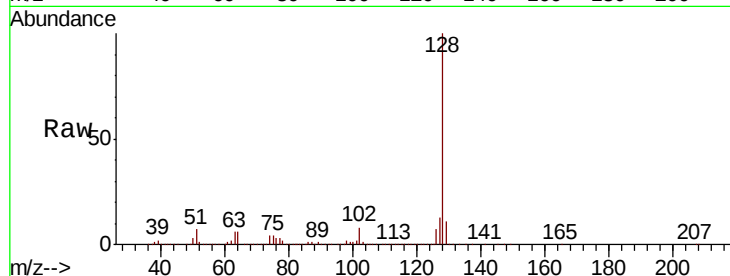




#95
Naphthalene
Concen: 55.514 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 741621
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.353 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005464.D
Acq: 19 Oct 2018 17:53

Tgt Ion:180 Resp: 246751
Ion Ratio Lower Upper
180 100
182 95.5 48.5 145.6
145 29.2 14.9 44.9

