

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004786.D
 Acq On : 27 Sep 2018 20:37
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 28 05:54:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	203132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	169401	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
35) Dibromofluoromethane	5.50	113	134369	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	8.72	98	497180	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.14	95	189054	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	134447	48.543	ug/l	98
3) Chloromethane	1.32	50	181774	54.095	ug/l	99
4) Vinyl Chloride	1.40	62	169340	53.732	ug/l	99
5) Bromomethane	1.64	94	85733	45.875	ug/l	100
6) Chloroethane	1.71	64	109109	64.187	ug/l	99
7) Trichlorofluoromethane	1.92	101	194881	49.949	ug/l	96
8) Diethyl Ether	2.19	74	103837	61.261	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	101739	45.777	ug/l	98
10) Methyl Iodide	2.51	142	71109	23.910	ug/l	98
11) Tert butyl alcohol	3.09	59	235788	290.610	ug/l	99
12) 1,1-Dichloroethene	2.37	96	114628	52.080	ug/l	96
13) Acrolein	2.29	56	142950	247.629	ug/l	96
14) Allyl chloride	2.72	41	293410	61.097	ug/l	94
15) Acrylonitrile	3.15	53	556568	311.611	ug/l	98
16) Acetone	2.45	43	474997	280.384	ug/l	97
17) Carbon Disulfide	2.56	76	351445	53.139	ug/l	99
18) Methyl Acetate	2.78	43	274713	64.003	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	505494	66.582	ug/l	96
20) Methylene Chloride	2.85	84	157258	64.081	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	135226	56.124	ug/l	96
22) Diisopropyl ether	3.87	45	518063	64.063	ug/l	95
23) Vinyl Acetate	3.82	43	2375608	320.926	ug/l	96
24) 1,1-Dichloroethane	3.69	63	266991	55.348	ug/l	98
25) 2-Butanone	4.70	43	745901	298.702	ug/l	93
26) 2,2-Dichloropropane	4.58	77	170235	50.678	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	157864	58.650	ug/l	96
28) Bromochloromethane	5.02	49	131611	57.937	ug/l	89
29) Tetrahydrofuran	5.16	42	493791	318.151	ug/l	92
30) Chloroform	5.21	83	261405	57.338	ug/l	99
31) Cyclohexane	5.57	56	185497	50.242	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	203639	54.694	ug/l	99
36) 1,1-Dichloropropene	5.79	75	172226	44.047	ug/l	100
37) Ethyl Acetate	4.86	43	272533	52.508	ug/l	98
38) Carbon Tetrachloride	5.78	117	168910	41.095	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	167400	41.927	ug/l	94
40) Benzene	6.14	78	593324	48.469	ug/l	99
41) Methacrylonitrile	5.06	41	151762	52.724	ug/l	96
42) 1,2-Dichloroethane	6.20	62	218161	50.414	ug/l	97
43) Isopropyl Acetate	6.46	43	407850	54.443	ug/l	96
44) Trichloroethene	7.21	130	147272	48.939	ug/l	95
45) 1,2-Dichloropropane	7.52	63	165861	55.251	ug/l	98
46) Dibromomethane	7.66	93	105454	55.896	ug/l	98
47) Bromodichloromethane	7.90	83	202631	57.366	ug/l	99
48) Methyl methacrylate	7.78	41	216093	63.553	ug/l	93
49) 1,4-Dioxane	7.76	88	87444	1035.150	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1437190	304.689	ug/l	96
52) Toluene	8.79	92	365166	54.289	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	229876	57.590	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	249591	59.699	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	159844	54.251	ug/l	97
56) Ethyl methacrylate	9.18	69	260638	54.255	ug/l	95
57) 1,3-Dichloropropane	9.37	76	271576	55.381	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	709246	277.697	ug/l	94
59) 2-Hexanone	9.50	43	1137807	289.468	ug/l	94
60) Dibromochloromethane	9.59	129	166812	56.611	ug/l	100
61) 1,2-Dibromoethane	9.67	107	167181	52.982	ug/l	99
64) Tetrachloroethene	9.34	164	134600	40.936	ug/l	97
65) Chlorobenzene	10.14	112	418425	48.843	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	151823	50.411	ug/l	99
67) Ethyl Benzene	10.26	91	681620	50.116	ug/l	99
68) m/p-Xylenes	10.36	106	532794	100.247	ug/l	94
69) o-Xylene	10.70	106	266613	54.616	ug/l	97
70) Styrene	10.71	104	454335	49.772	ug/l	97
71) Bromoform	10.86	173	136567	52.966	ug/l #	99
73) Isopropylbenzene	11.02	105	660930	51.222	ug/l	99
74) N-amyl acetate	10.90	43	381950	53.720	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	271986	51.782	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	309420	67.436	ug/l	89
77) Bromobenzene	11.26	156	195805	52.244	ug/l	97
78) n-propylbenzene	11.36	91	750760	50.710	ug/l	100
79) 2-Chlorotoluene	11.42	91	485055	52.562	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	577760	48.849	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	76569	45.692	ug/l	99
82) 4-Chlorotoluene	11.51	91	572703	52.725	ug/l	99
83) tert-Butylbenzene	11.77	119	553818	52.130	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	610063	50.021	ug/l	97
85) sec-Butylbenzene	11.94	105	627882	48.522	ug/l	98
86) p-Isopropyltoluene	12.07	119	579438	49.424	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	351210	50.185	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	358378	49.607	ug/l	99
89) n-Butylbenzene	12.39	91	500180	46.977	ug/l	97
90) Hexachloroethane	12.60	117	97353	49.874	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	360711	49.321	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	62576	54.259	ug/l	95

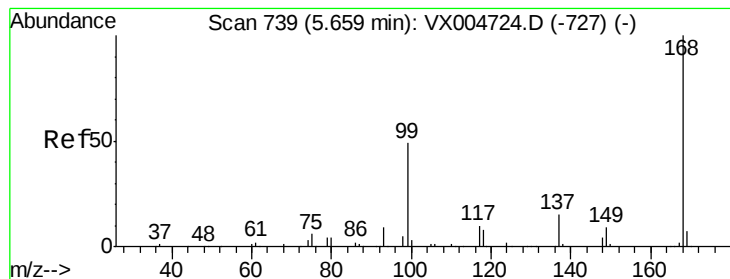
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	260473	50.771	ug/l	99
94) Hexachlorobutadiene	13.78	225	99643	37.455	ug/l	97
95) Naphthalene	13.83	128	889898	52.228	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	269789	50.906	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

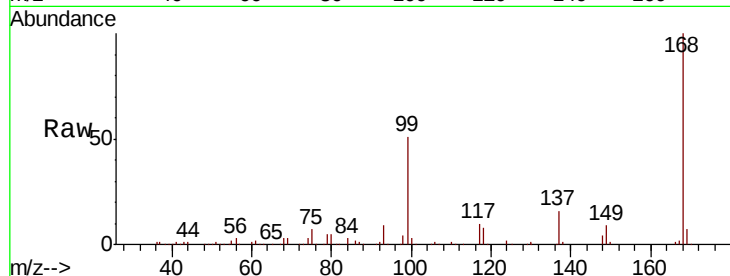
VSTDCCC050EC

Tot Ion:168 Resp: 203132

Ion Ratio Lower Upper

168 100

99 50.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

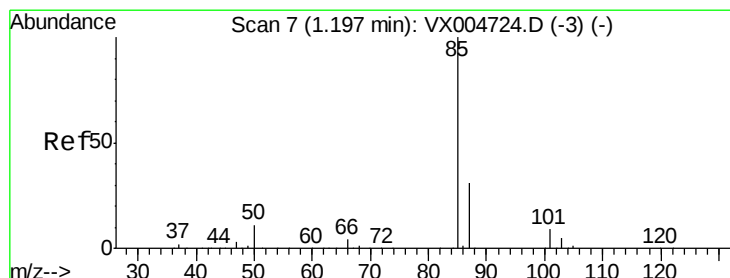
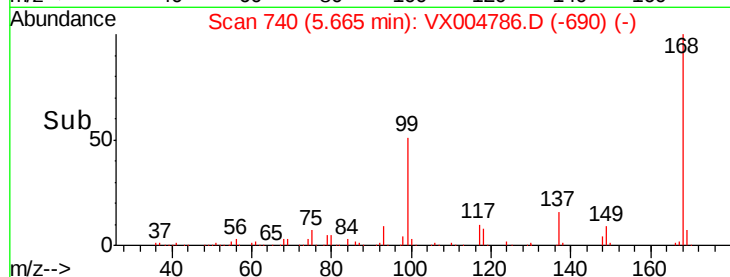
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.543 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004786.D

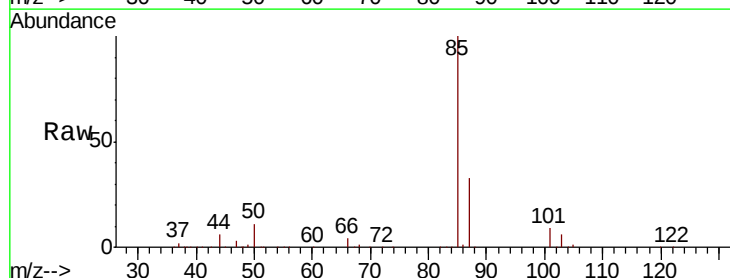
Acq: 27 Sep 2018 20:37

Tgt Ion: 85 Resp: 134447

Ion Ratio Lower Upper

85 100

87 32.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

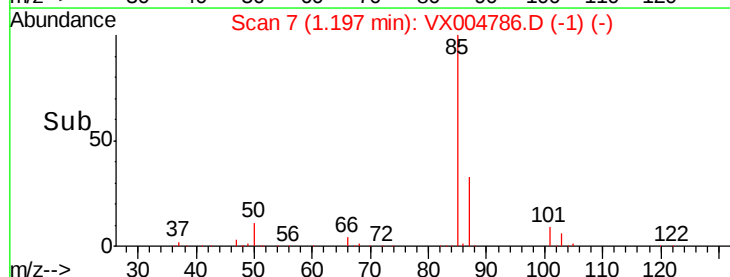
60000

40000

20000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 54.095 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

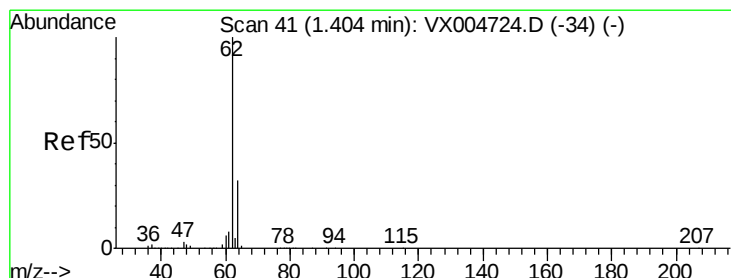
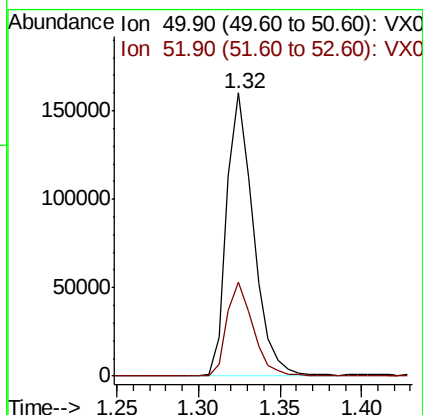
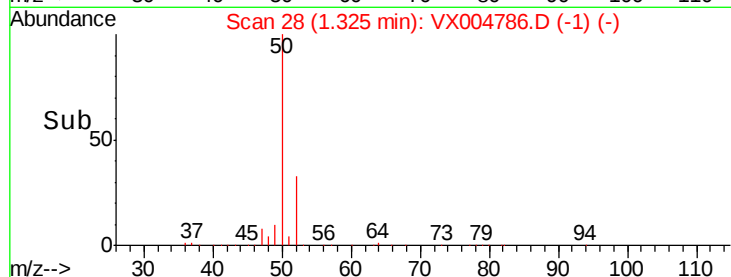
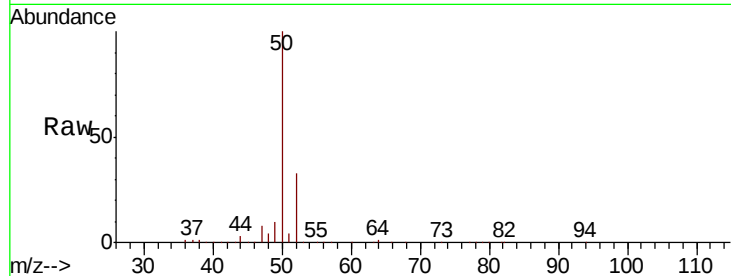
VSTDCCC050EC

Tot Ion: 50 Resp: 181774

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2



#4

Vinyl Chloride

Concen: 53.732 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004786.D

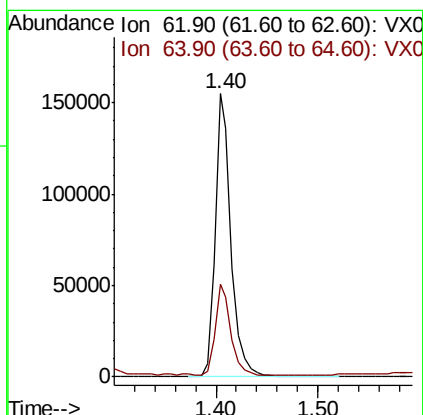
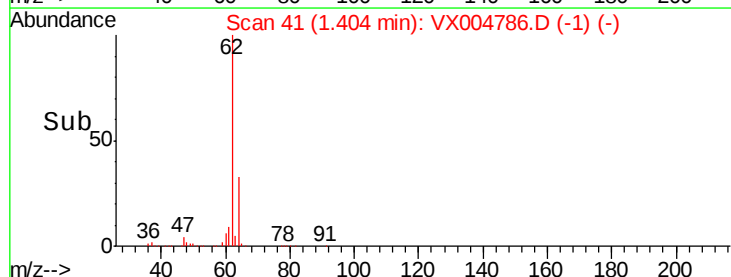
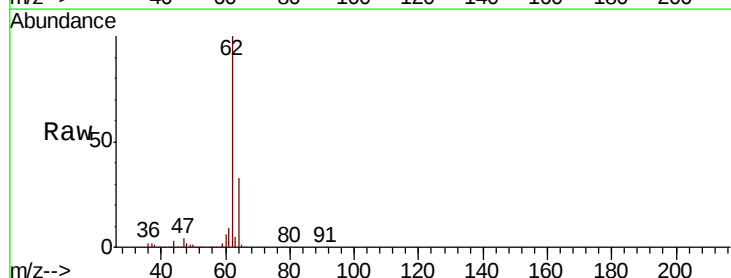
Acq: 27 Sep 2018 20:37

Tgt Ion: 62 Resp: 169340

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 45.875 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

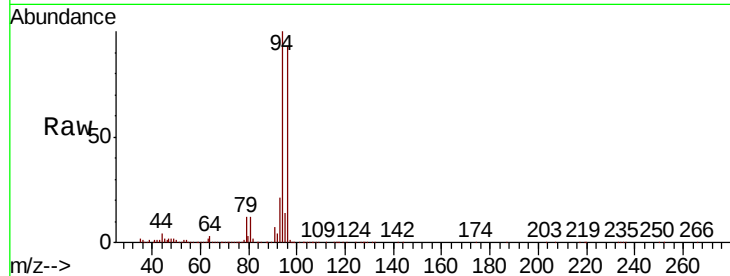
VSTDCCC050EC

Tot Ion: 94 Resp: 85733

Ion Ratio Lower Upper

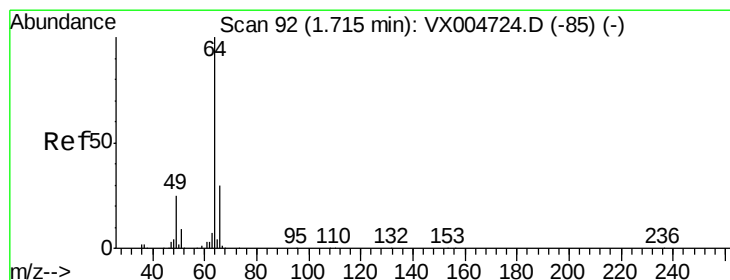
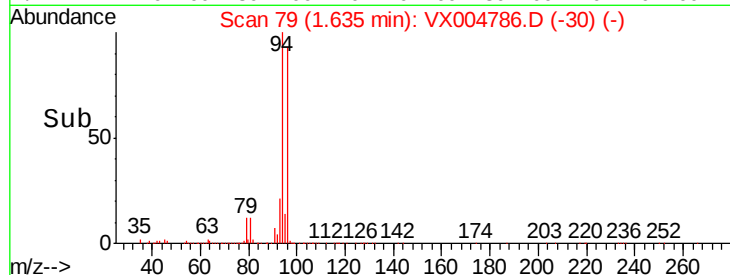
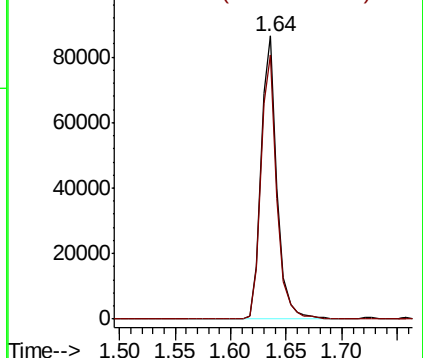
94 100

96 93.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 64.187 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004786.D

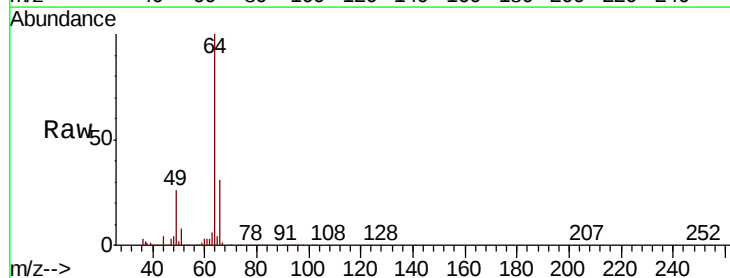
Acq: 27 Sep 2018 20:37

Tgt Ion: 64 Resp: 109109

Ion Ratio Lower Upper

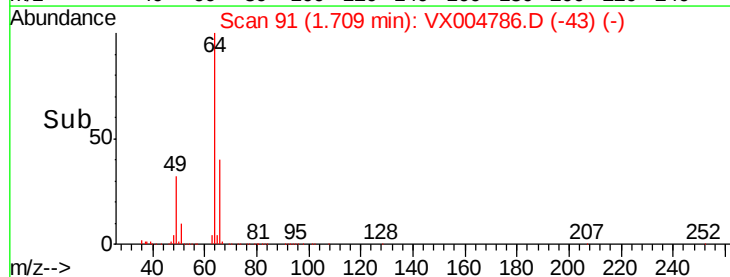
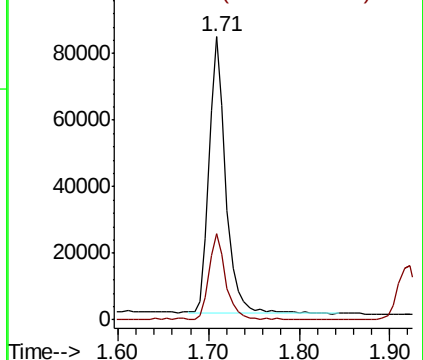
64 100

66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



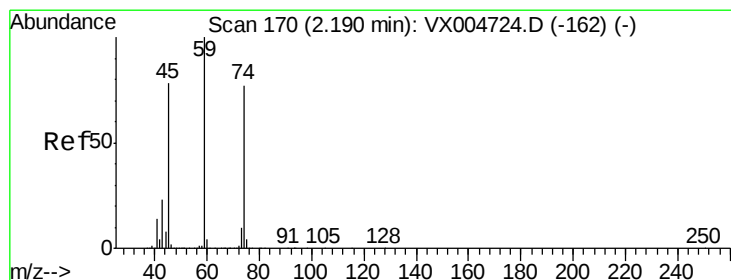
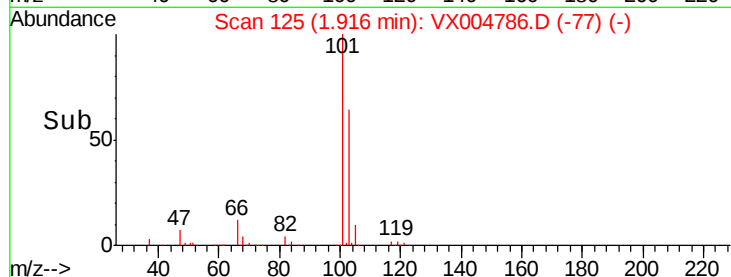
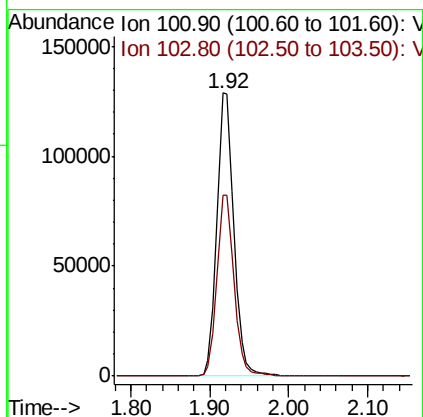
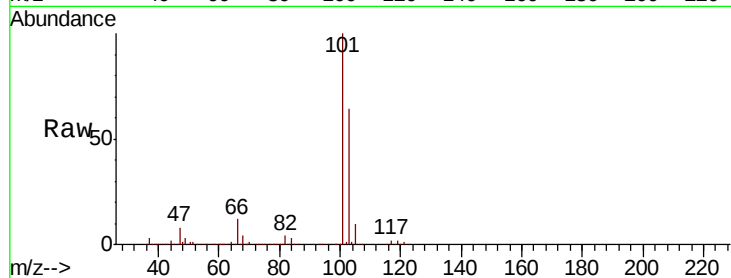


#7

Trichlorofluoromethane
 Concen: 49.949 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

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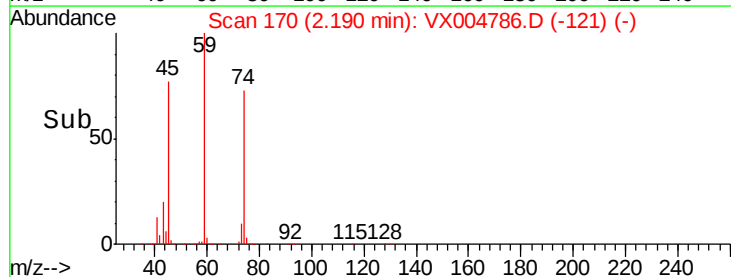
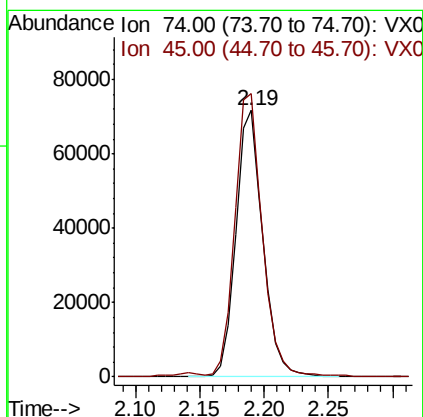
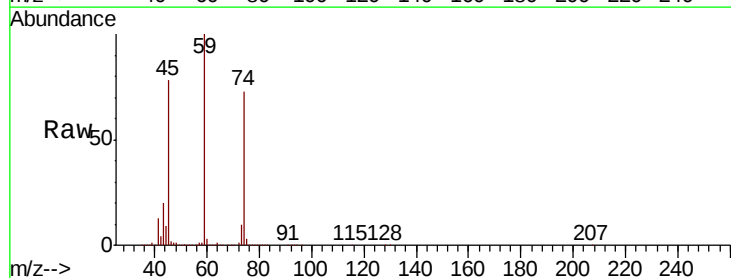
Tot Ion:101 Resp: 194881
 Ion Ratio Lower Upper
 101 100
 103 63.8 48.9 73.3



#8

Diethyl Ether
 Concen: 61.261 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion: 74 Resp: 103837
 Ion Ratio Lower Upper
 74 100
 45 107.8 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.777 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

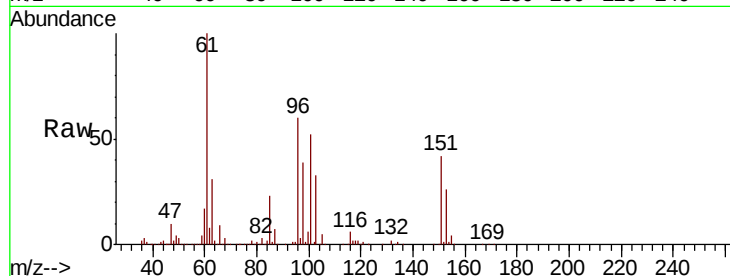
Tot Ion:101 Resp: 101739

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.4

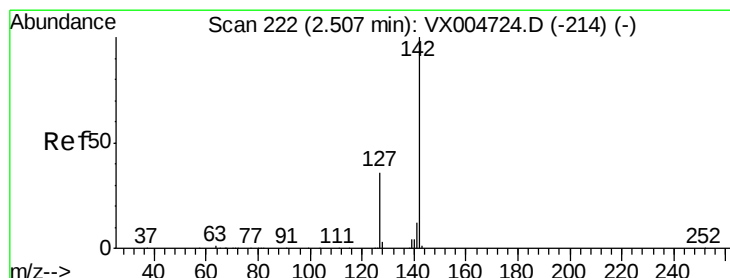
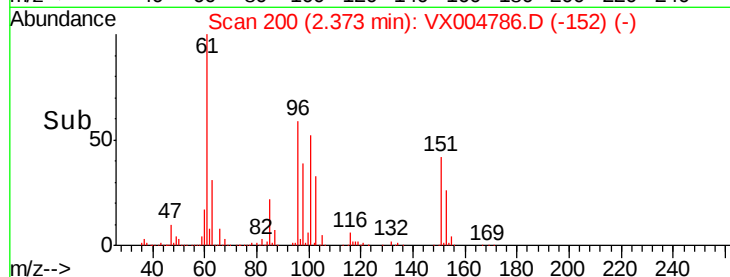
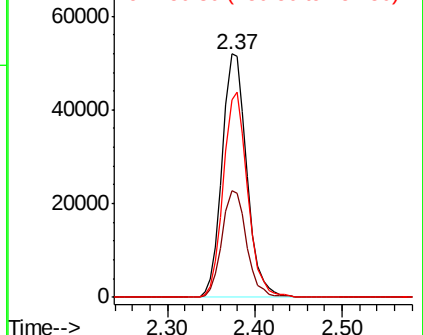
151 83.0 65.0 97.6



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: 23.910 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

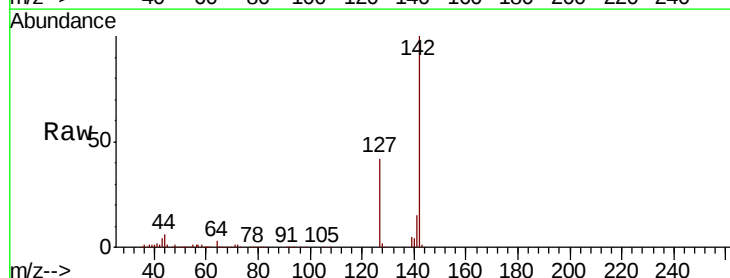
Tgt Ion:142 Resp: 71109

Ion Ratio Lower Upper

142 100

127 43.5 33.8 50.6

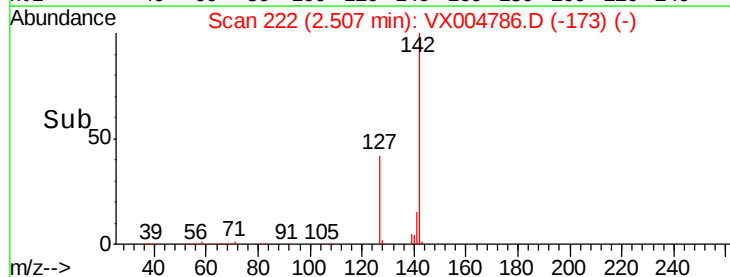
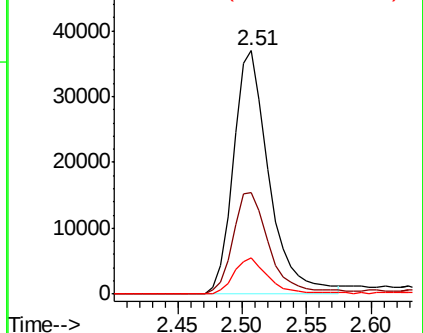
141 14.7 11.4 17.0

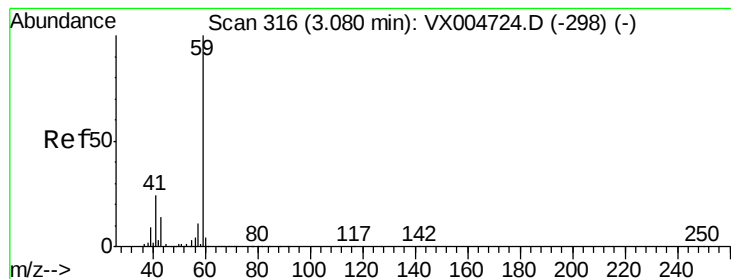


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



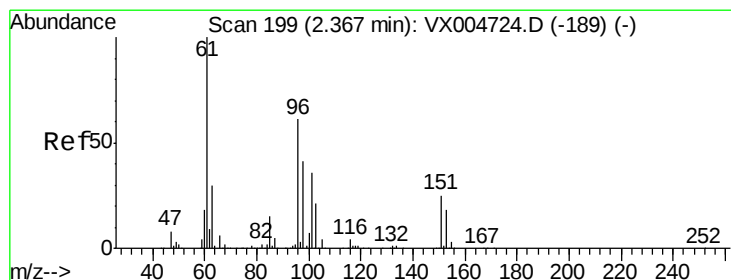
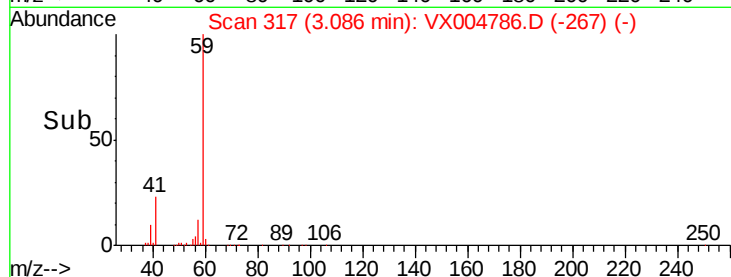
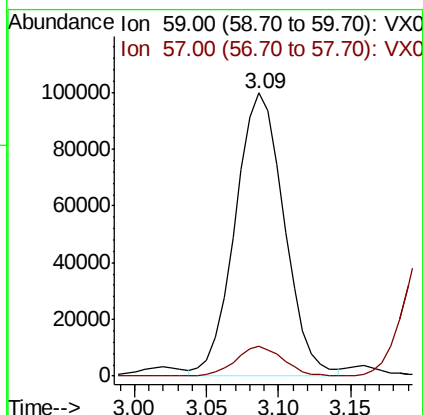
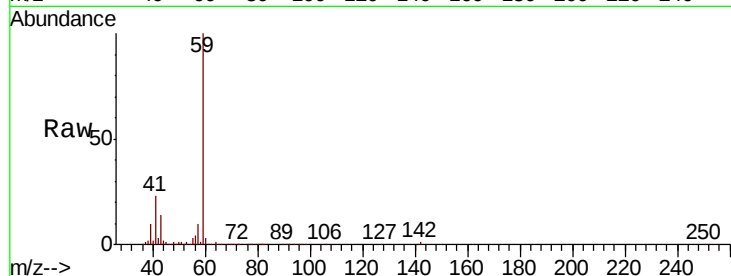


#11

Tert butyl alcohol
Concen: 290.610 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

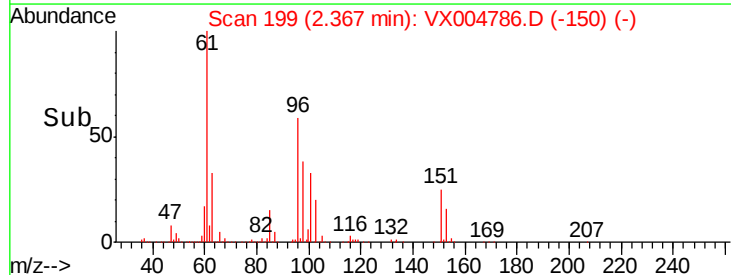
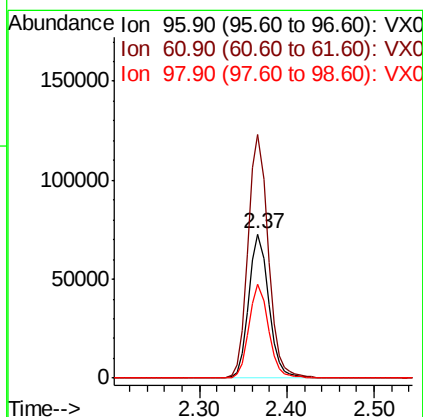
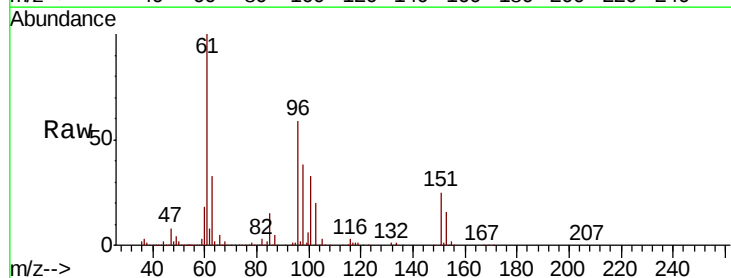
Tot Ion: 59 Resp: 235788
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

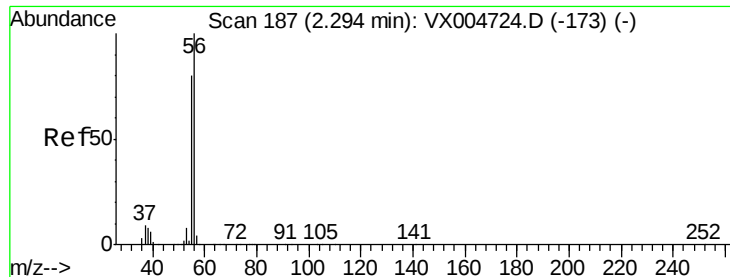


#12

1,1-Dichloroethene
Concen: 52.080 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 96 Resp: 114628
Ion Ratio Lower Upper
96 100
61 168.9 128.8 193.2
98 65.0 52.2 78.2





#13

Acrolein

Concen: 247.629 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

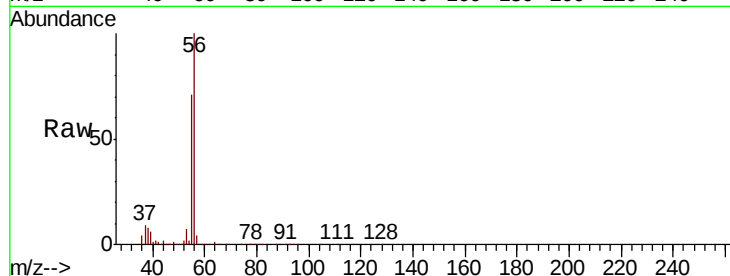
VSTDCCC050EC

Tot Ion: 56 Resp: 142950

Ion Ratio Lower Upper

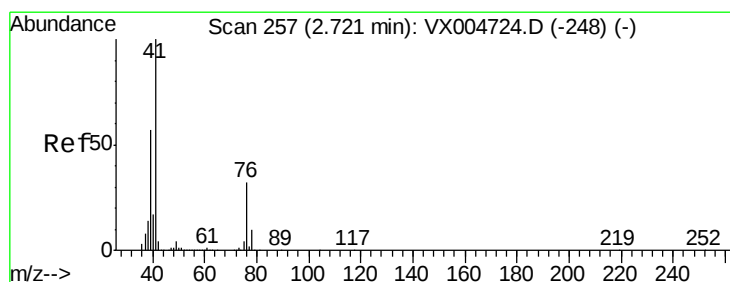
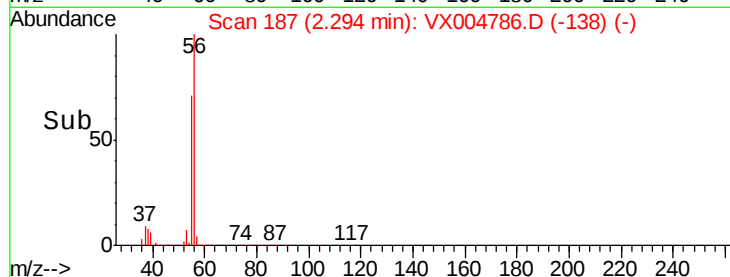
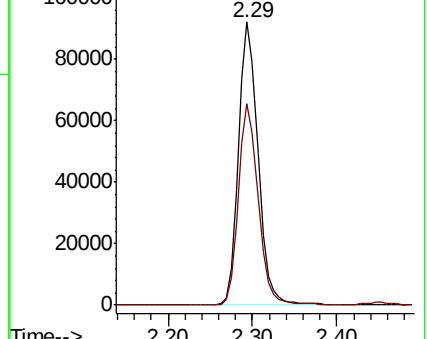
56 100

55 71.7 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 61.097 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

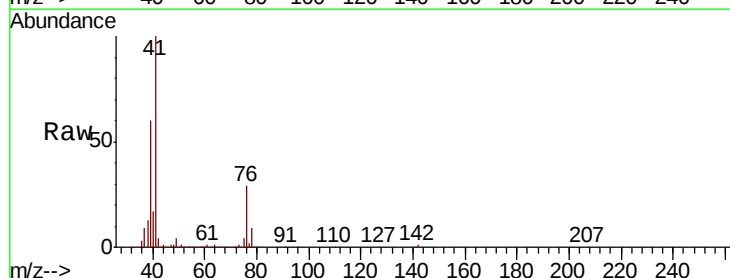
Tgt Ion: 41 Resp: 293410

Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

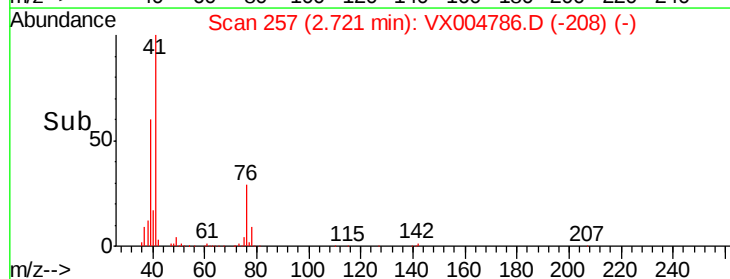
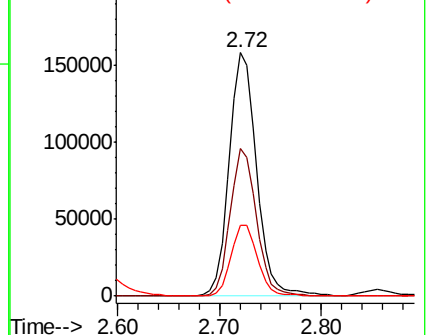
76 28.1 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 311.611 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

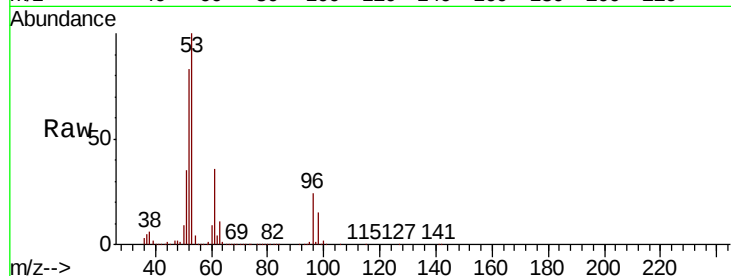
Tot Ion: 53 Resp: 556568

Ion Ratio Lower Upper

53 100

52 83.1 65.2 97.8

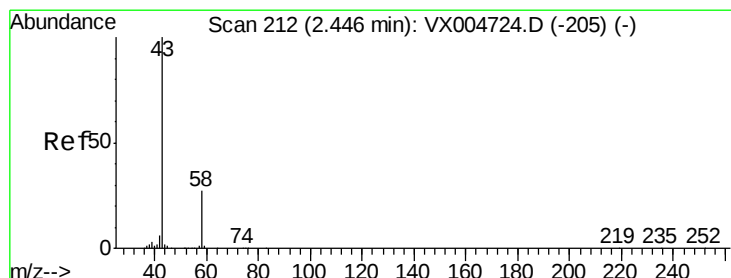
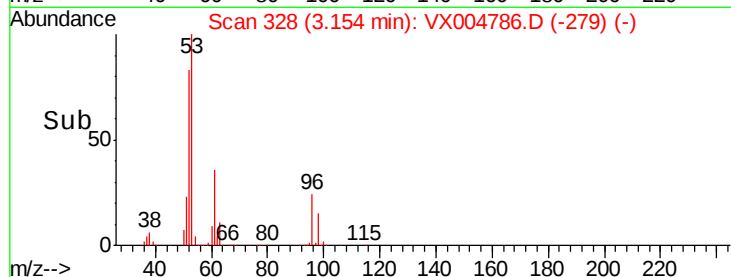
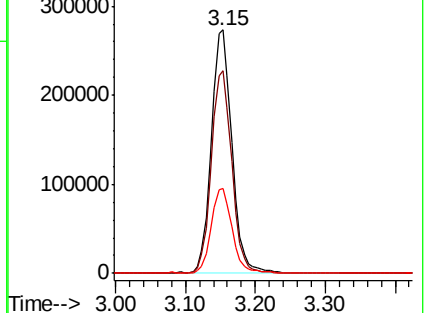
51 35.8 28.2 42.2



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: 280.384 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004786.D

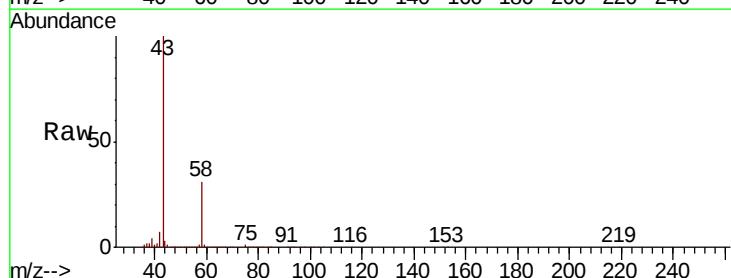
Acq: 27 Sep 2018 20:37

Tgt Ion: 43 Resp: 474997

Ion Ratio Lower Upper

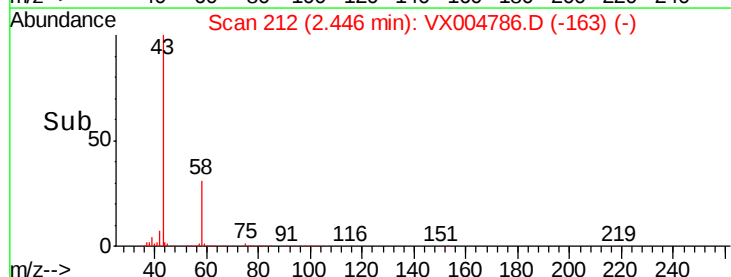
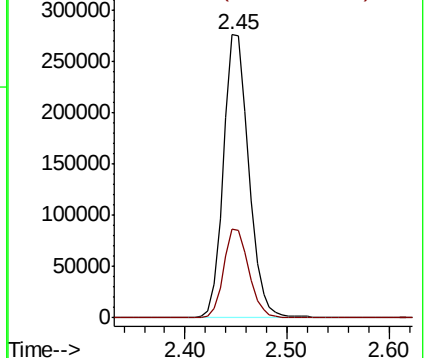
43 100

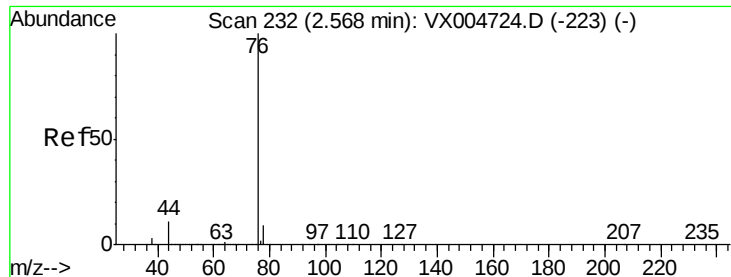
58 31.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

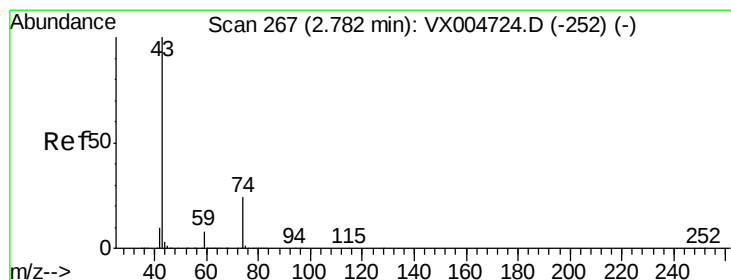
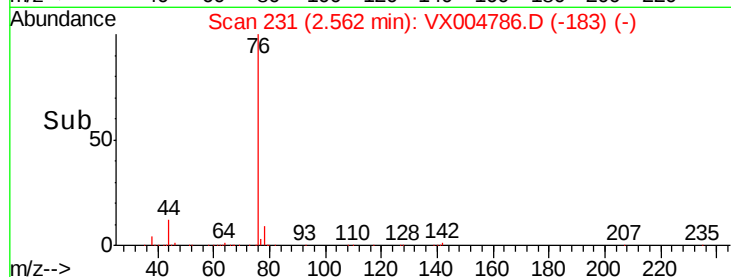
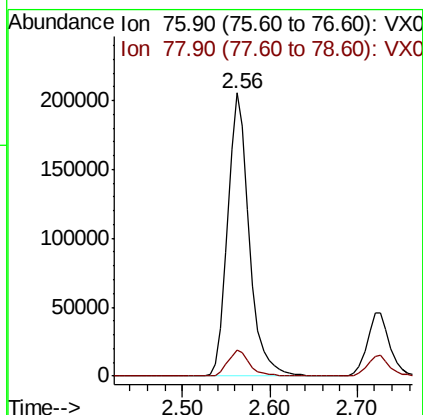
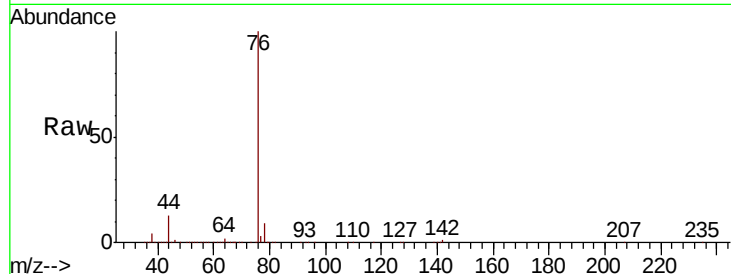




#17
Carbon Disulfide
Concen: 53.139 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

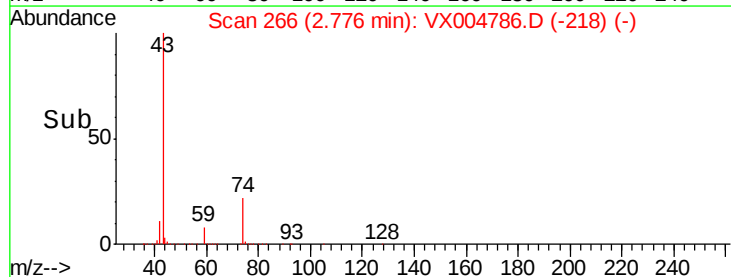
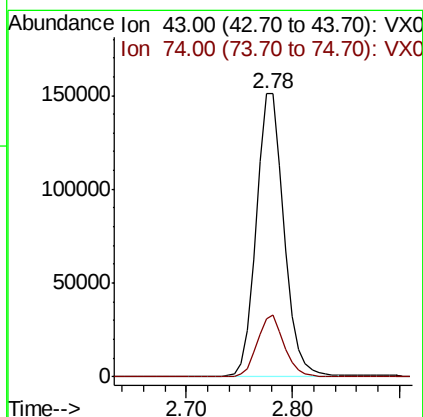
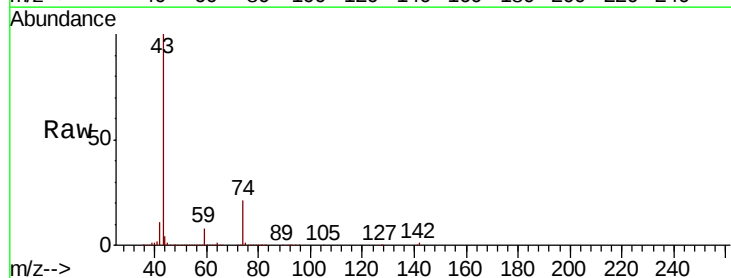
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

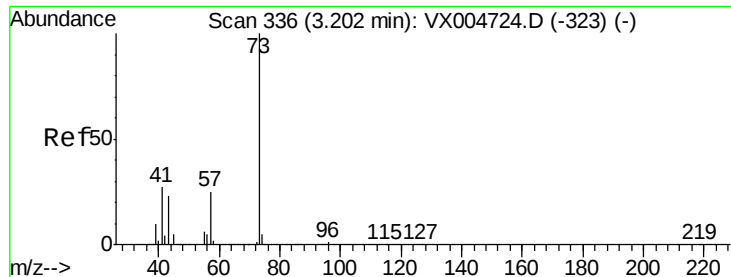
Tot Ion: 76 Resp: 351445
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 64.003 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 43 Resp: 274713
Ion Ratio Lower Upper
43 100
74 21.0 19.4 29.2

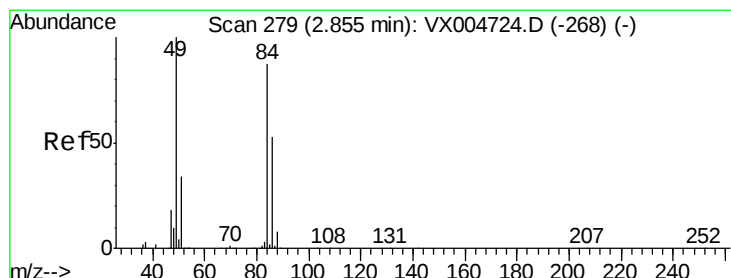
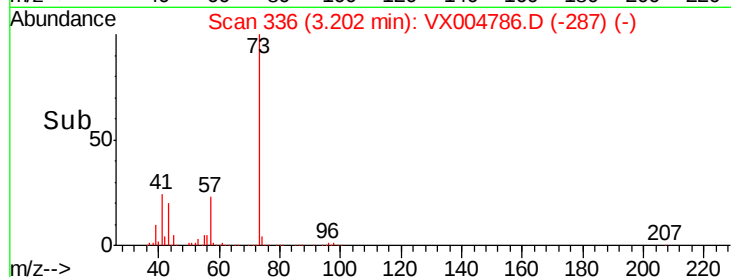
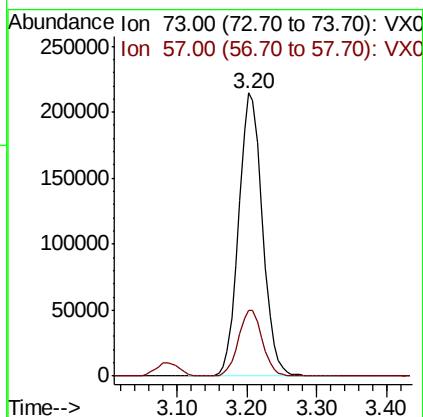
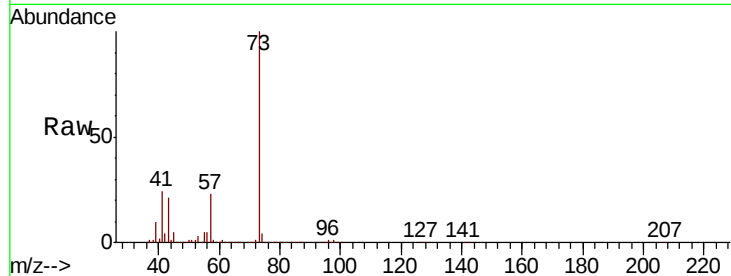




#19
Methvl tert-butvl Ether
Concen: 66.582 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

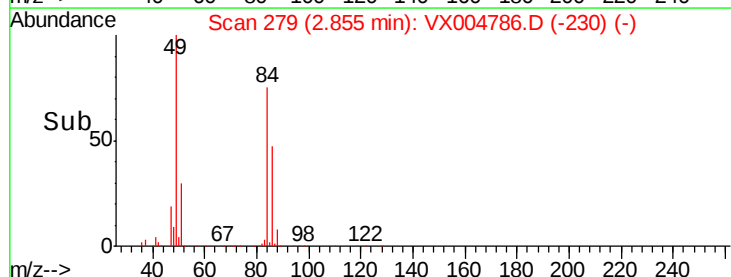
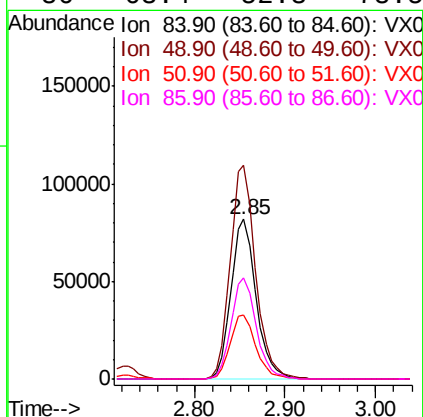
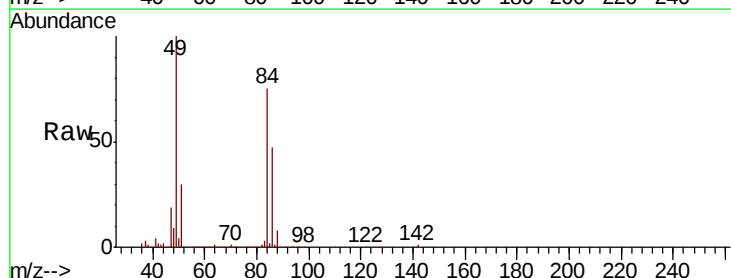
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

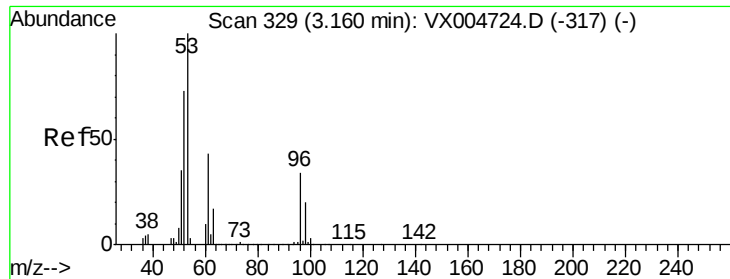
Tot Ion: 73 Resp: 505494
Ion Ratio Lower Upper
73 100
57 23.1 17.1 25.7



#20
Methylene Chloride
Concen: 64.081 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 84 Resp: 157258
Ion Ratio Lower Upper
84 100
49 133.9 101.2 151.8
51 40.2 29.5 44.3
86 63.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 56.124 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

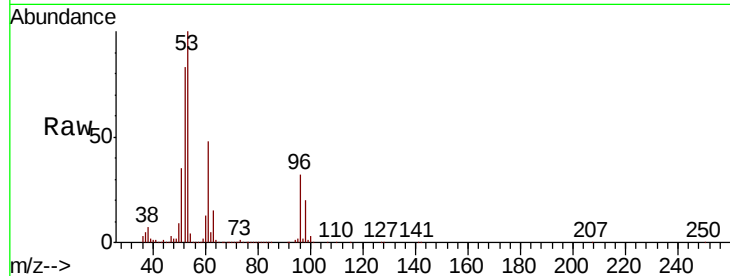
Tot Ion: 96 Resp: 135226

Ion Ratio Lower Upper

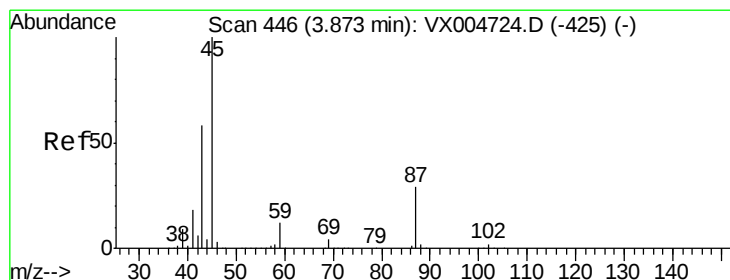
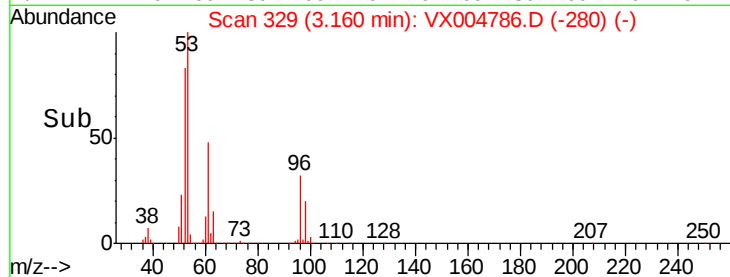
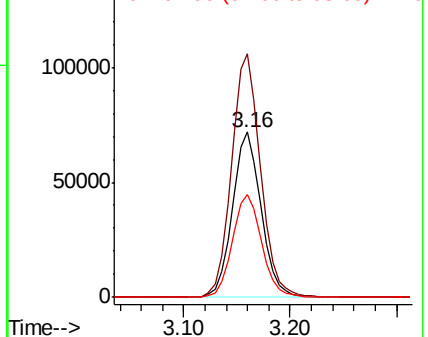
96 100

61 147.3 113.8 170.6

98 62.6 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: 64.063 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Tgt Ion: 45 Resp: 518063

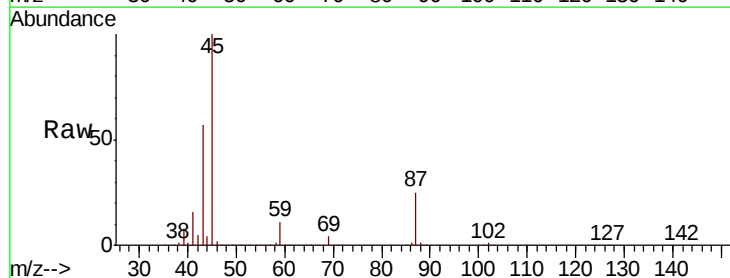
Ion Ratio Lower Upper

45 100

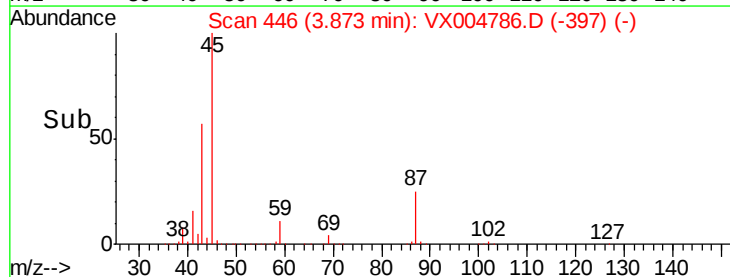
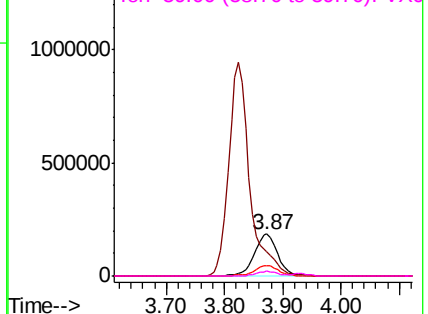
43 56.9 42.8 64.2

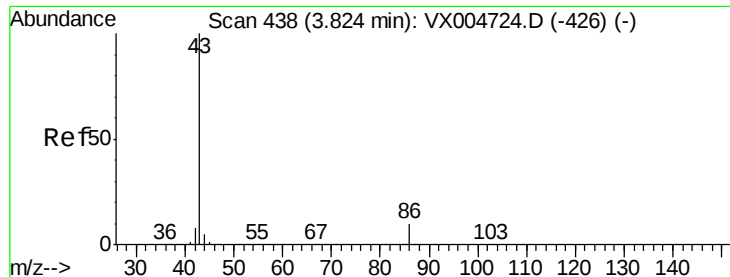
87 25.2 22.6 34.0

59 11.1 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

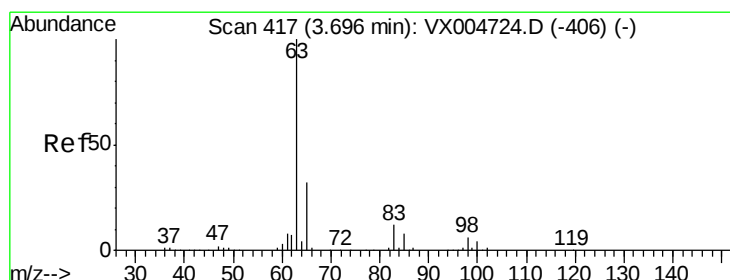
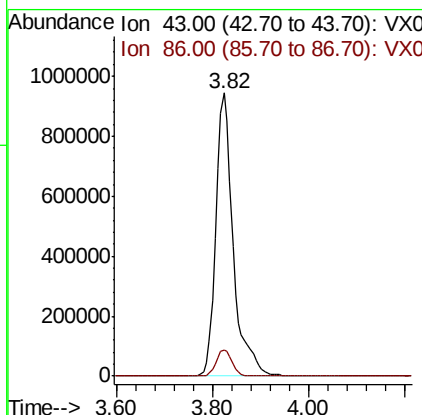
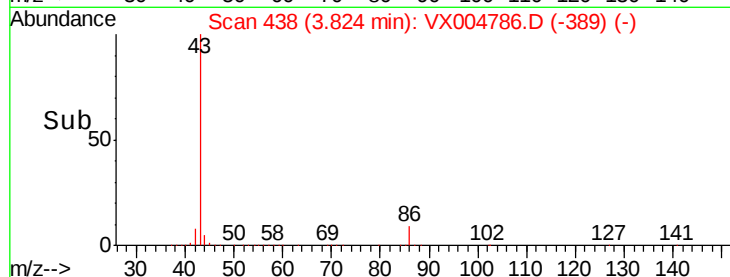
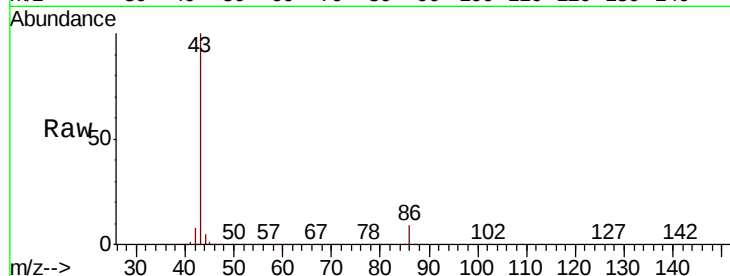




#23
 Vinyl Acetate
 Concen: 320.926 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

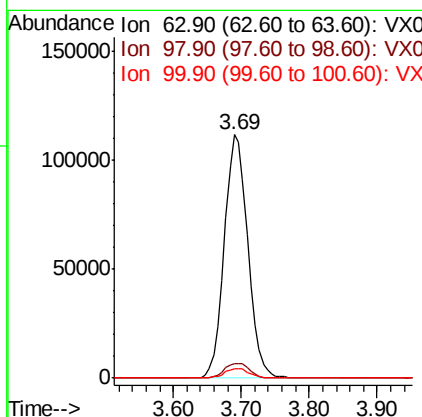
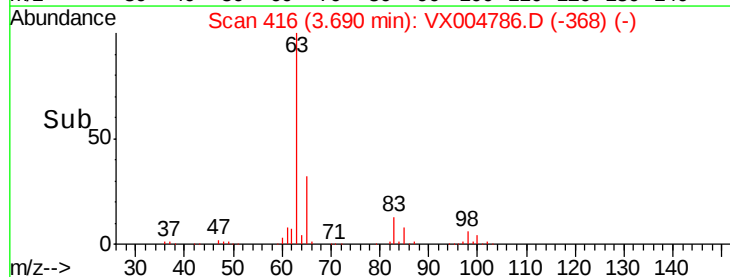
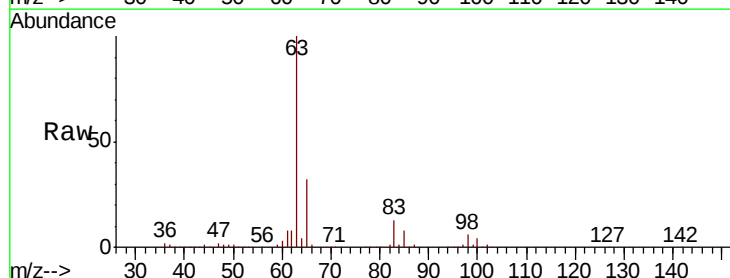
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

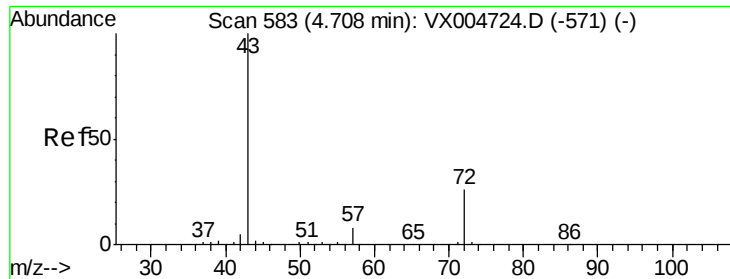
Tot Ion: 43 Resp: 2375608
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 55.348 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion: 63 Resp: 266991
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.4
 100 3.9 2.4 7.1





#25

2-Butanone

Concen: 298.702 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

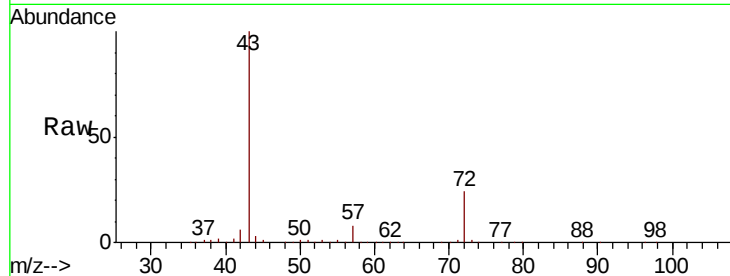
VSTDCCC050EC

Tot Ion: 43 Resp: 745901

Ion Ratio Lower Upper

43 100

72 24.1 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

250000

200000

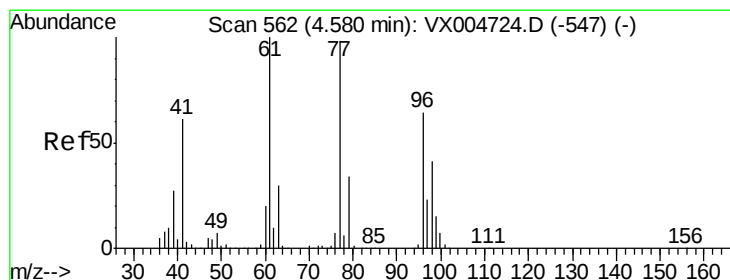
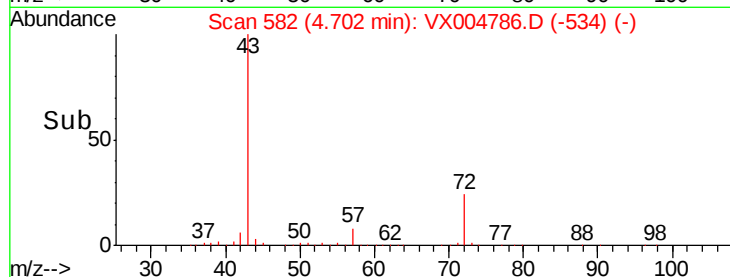
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.678 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004786.D

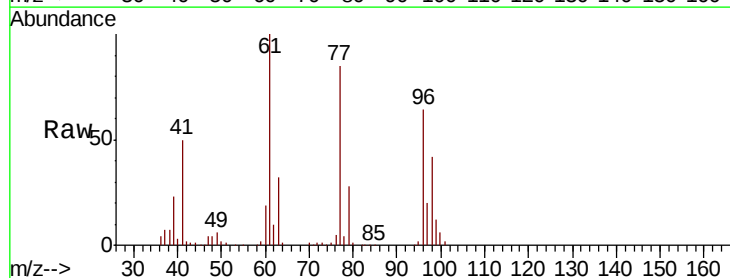
Acq: 27 Sep 2018 20:37

Tgt Ion: 77 Resp: 170235

Ion Ratio Lower Upper

77 100

97 23.9 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

50000

40000

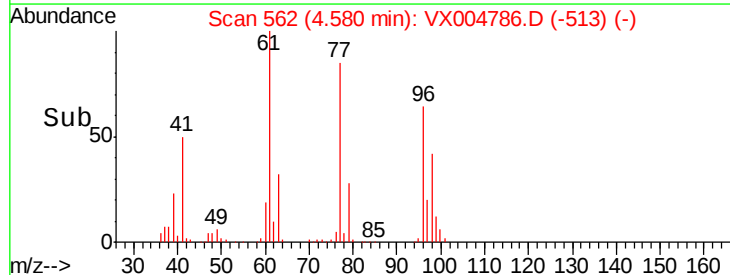
30000

20000

10000

0

Time-->



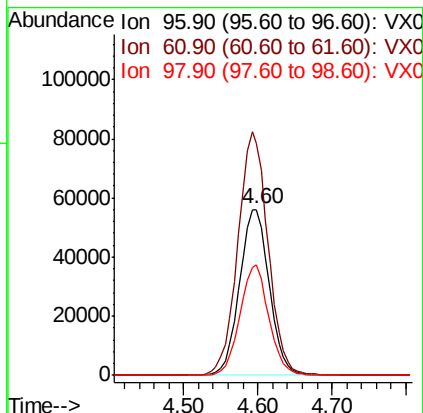
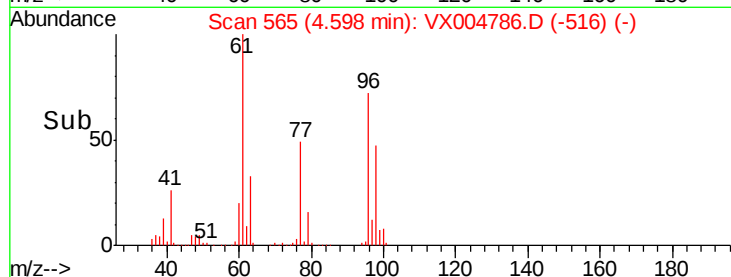
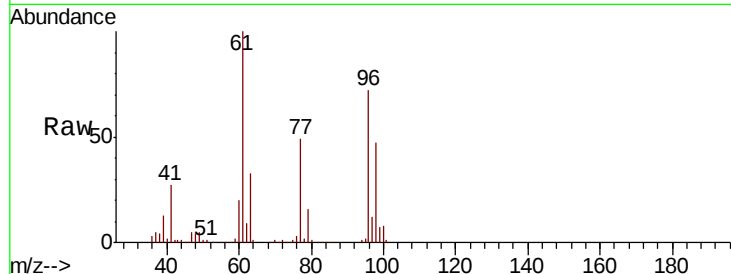


#27

cis-1,2-Dichloroethene
 Concen: 58.650 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

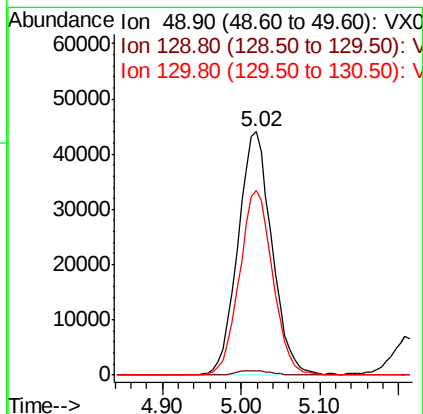
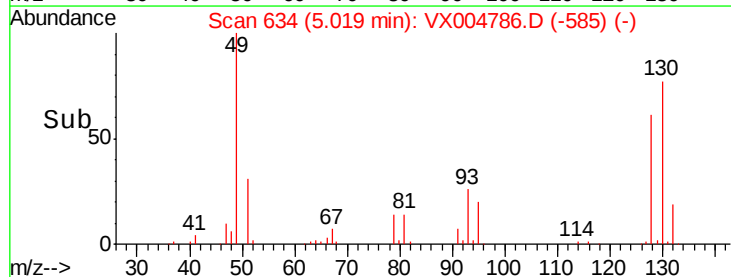
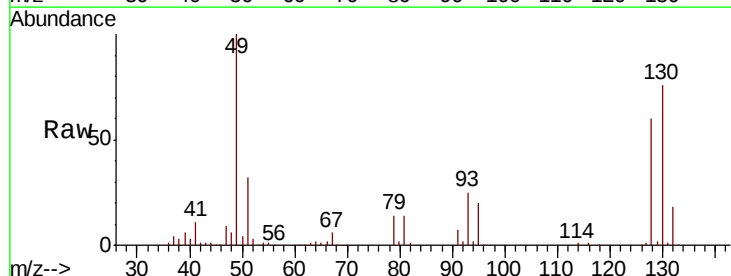
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	282.6
98	64.3	0.0	130.2



#28

Bromochloromethane
 Concen: 57.937 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	74.5	67.5	101.3





#29

Tetrahydrofuran

Concen: 318.151 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

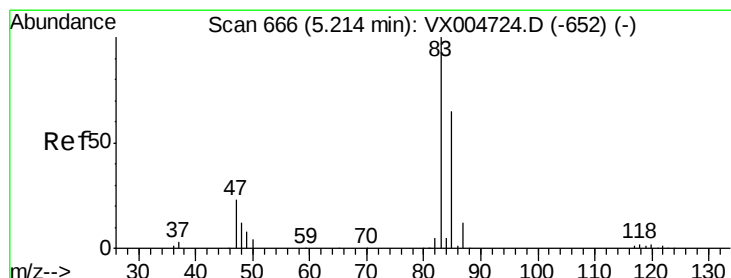
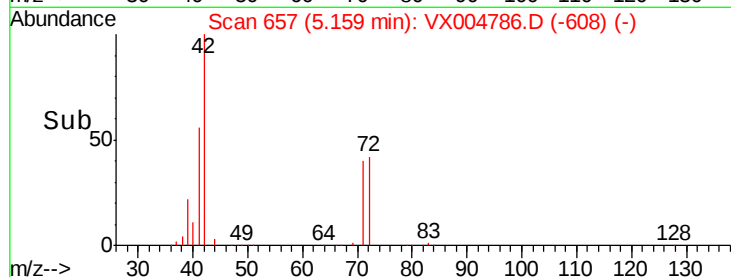
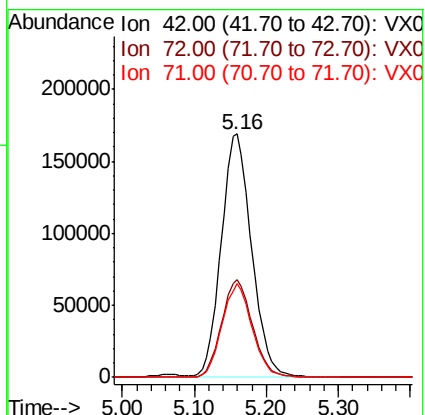
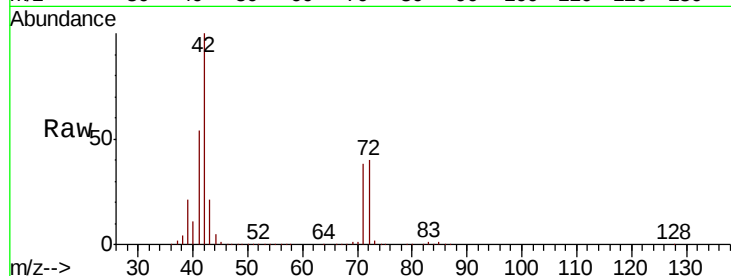
Tot Ion: 42 Resp: 493791

Ion Ratio Lower Upper

42 100

72 40.8 37.4 56.0

71 38.1 34.5 51.7



#30

Chloroform

Concen: 57.338 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004786.D

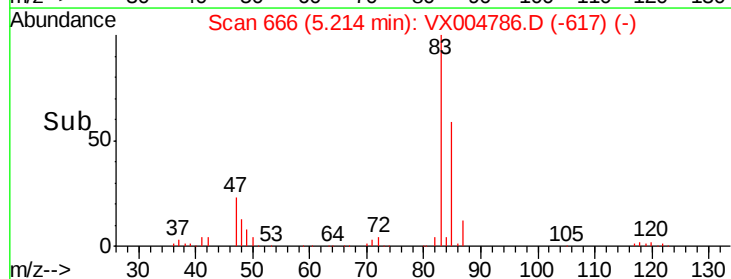
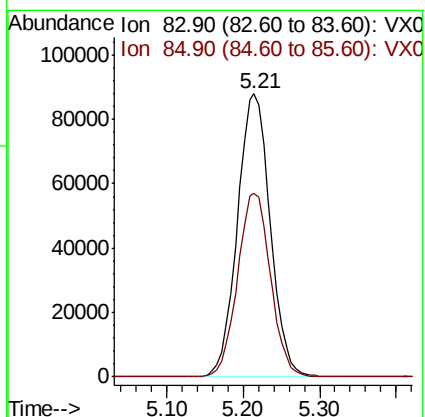
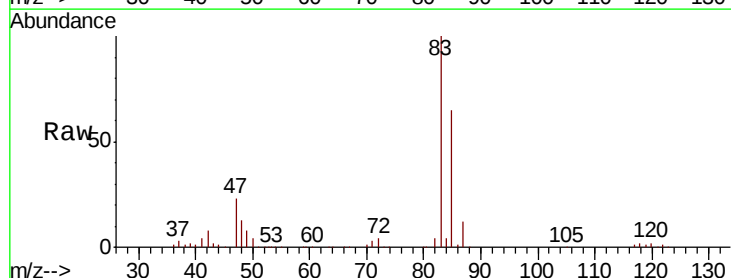
Acq: 27 Sep 2018 20:37

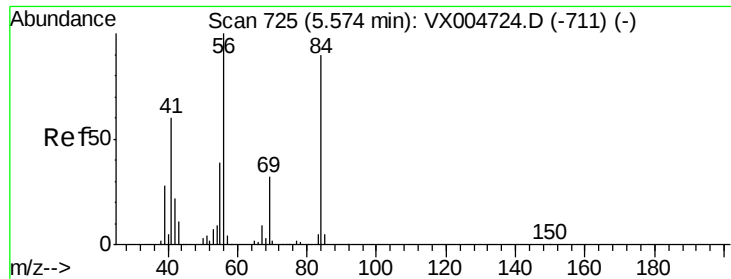
Tgt Ion: 83 Resp: 261405

Ion Ratio Lower Upper

83 100

85 64.7 52.6 79.0

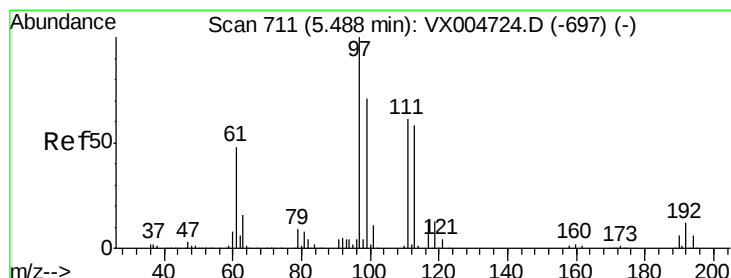
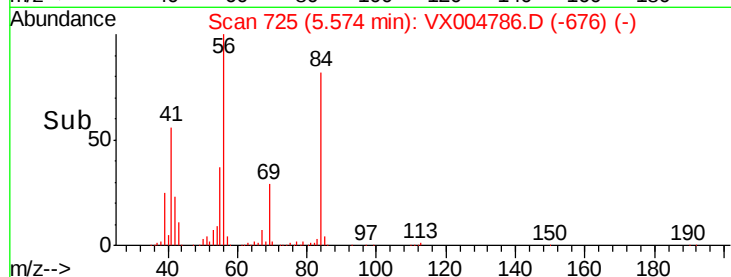
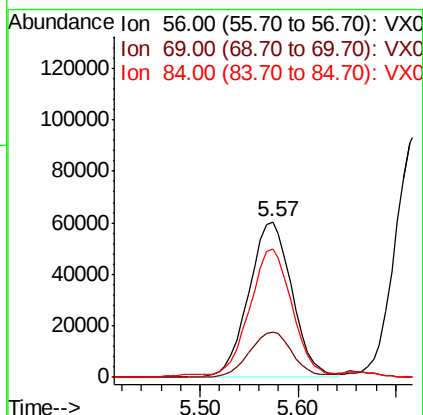
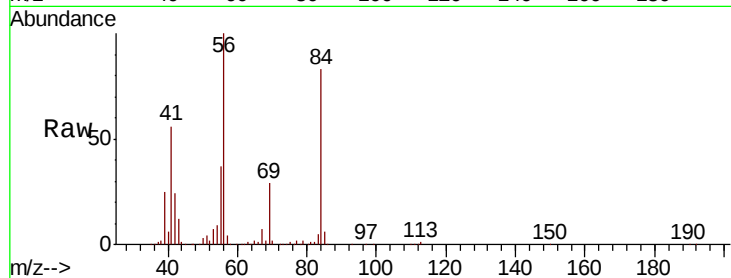




#31
Cyclohexane
Concen: 50.242 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

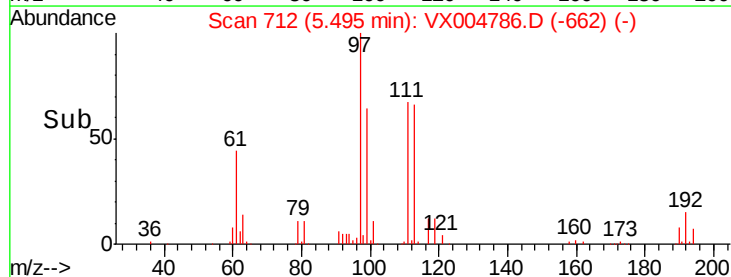
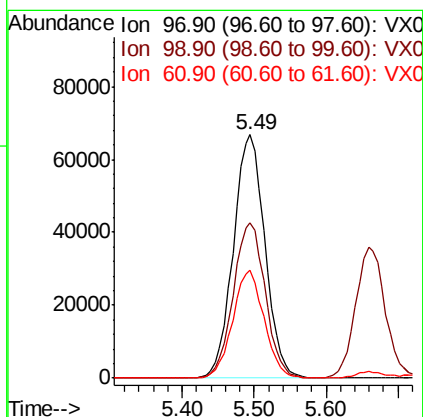
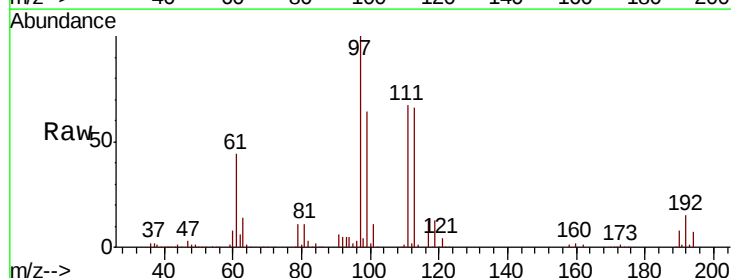
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

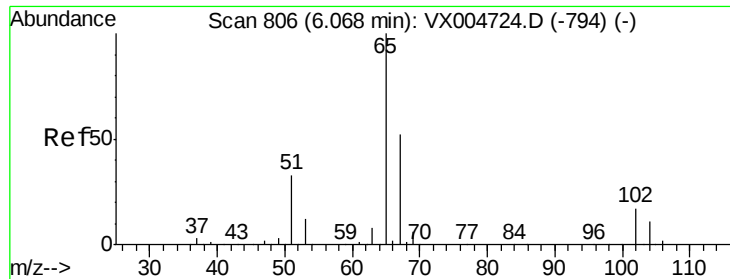
Tot Ion: 56 Resp: 185497
Ion Ratio Lower Upper
56 100
69 29.2 25.4 38.2
84 80.8 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 54.694 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 97 Resp: 203639
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 44.2 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 58.379 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

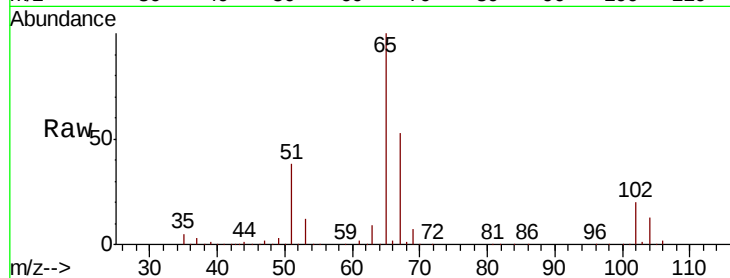
VSTDCCC050EC

Tot Ion: 65 Resp: 169401

Ion Ratio Lower Upper

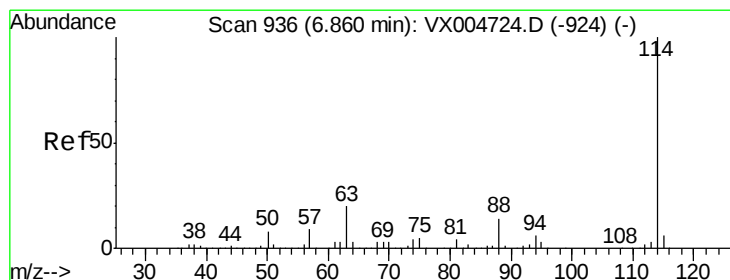
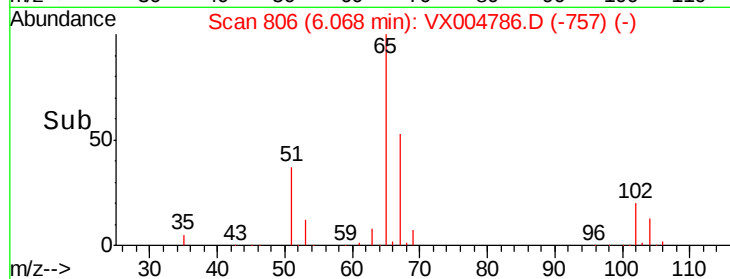
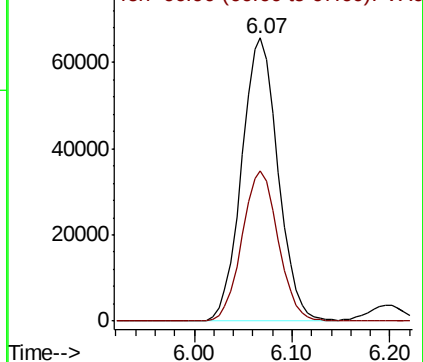
65 100

67 52.8 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. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

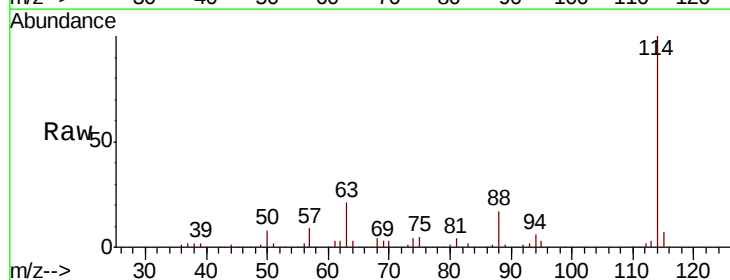
Tgt Ion: 114 Resp: 338149

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

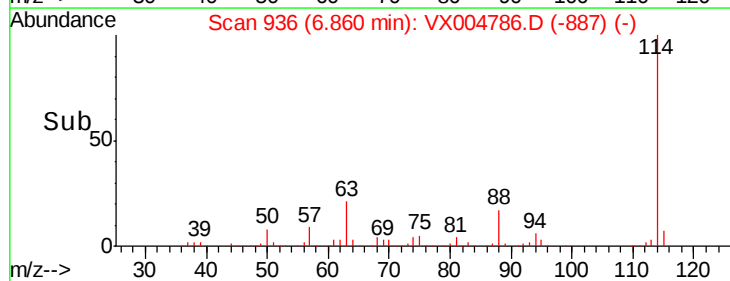
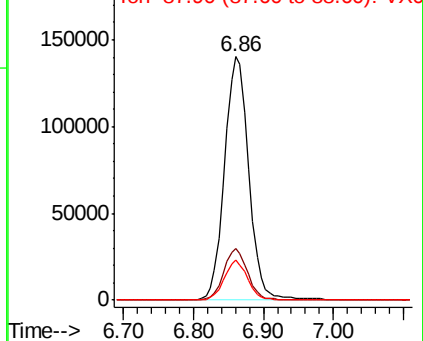
88 16.6 0.0 30.4



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: 46.886 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

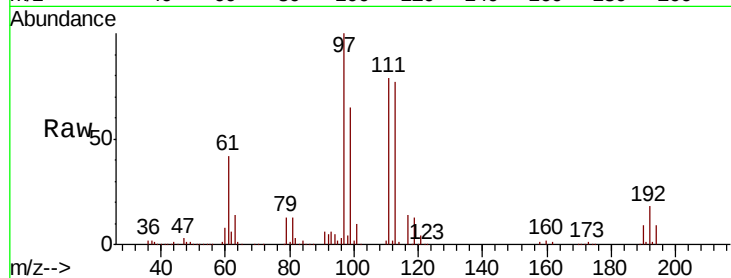
Tot Ion:113 Resp: 134369

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

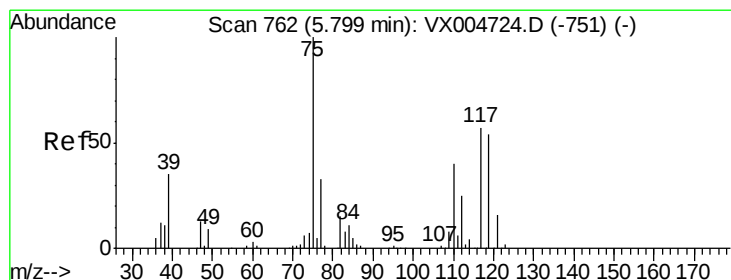
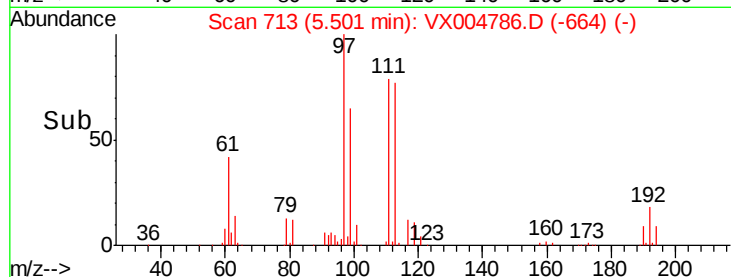
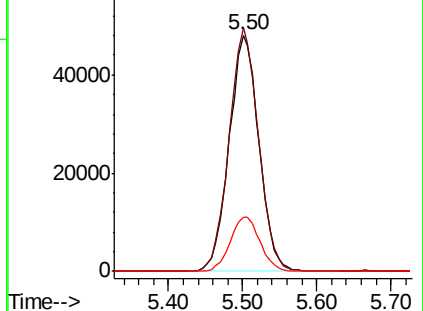
192 23.1 19.4 29.2



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: 44.047 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

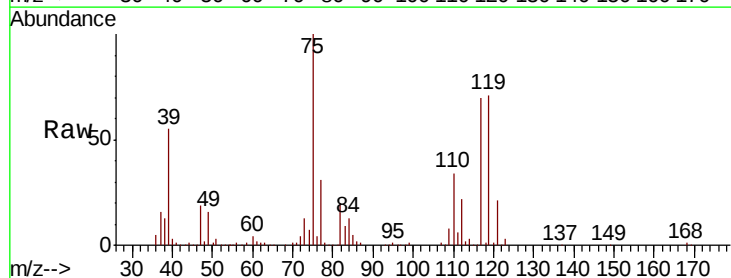
Tgt Ion: 75 Resp: 172226

Ion Ratio Lower Upper

75 100

110 35.8 18.0 54.0

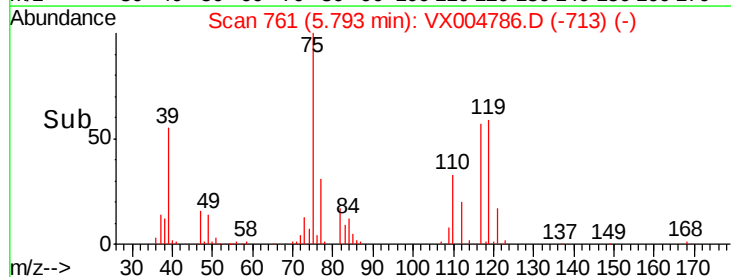
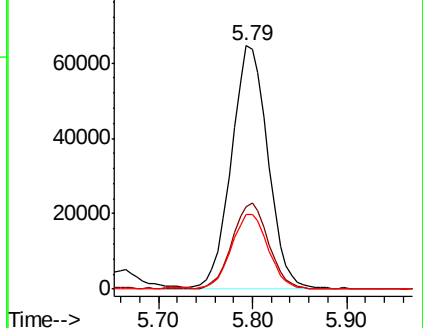
77 30.9 24.6 36.8

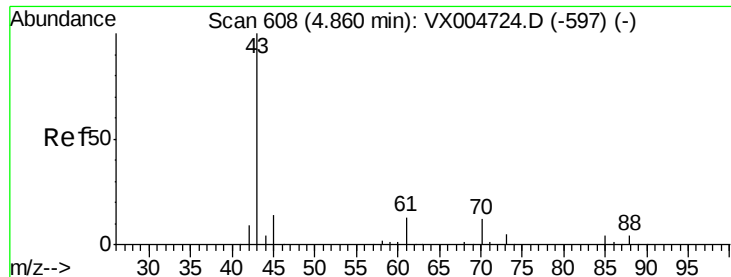


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 52.508 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

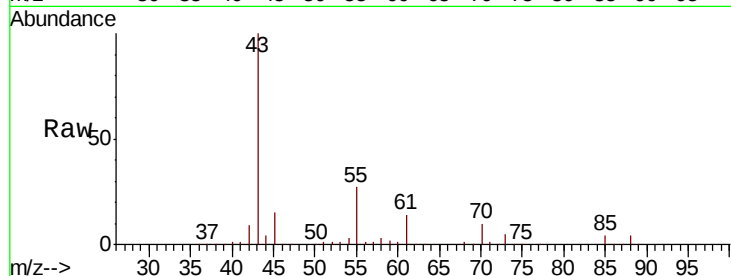
Tot Ion: 43 Resp: 272533

Ion Ratio Lower Upper

43 100

61 13.8 11.5 17.3

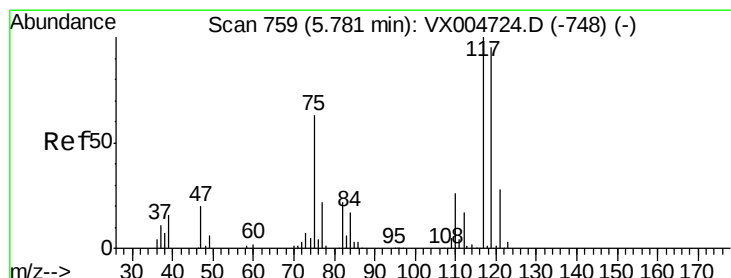
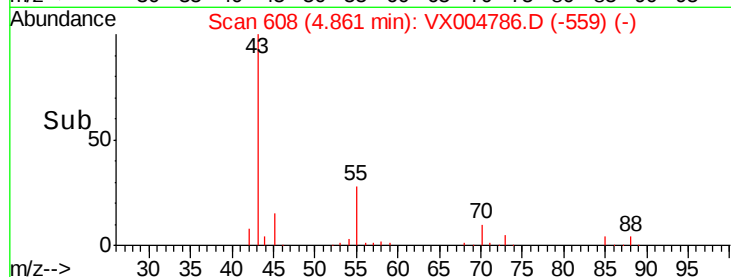
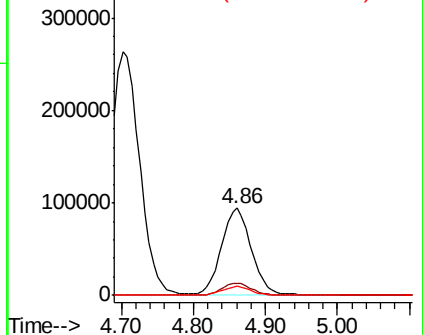
70 10.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 41.095 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

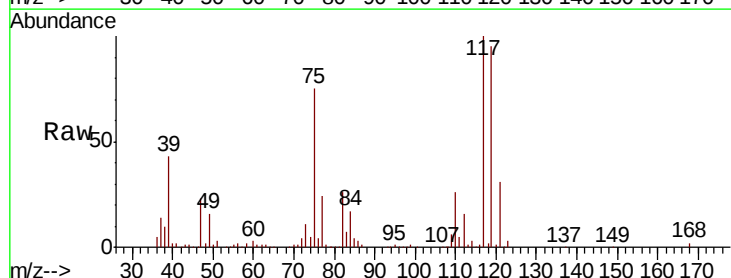
Tgt Ion: 117 Resp: 168910

Ion Ratio Lower Upper

117 100

119 95.0 78.8 118.2

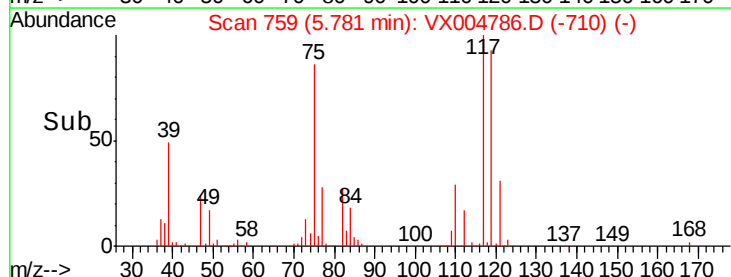
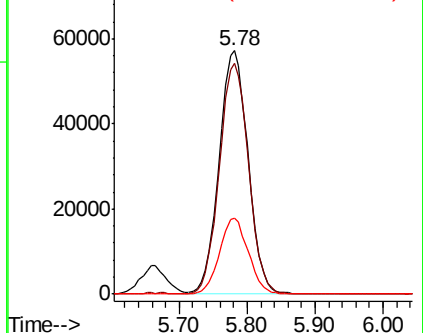
121 31.2 24.9 37.3

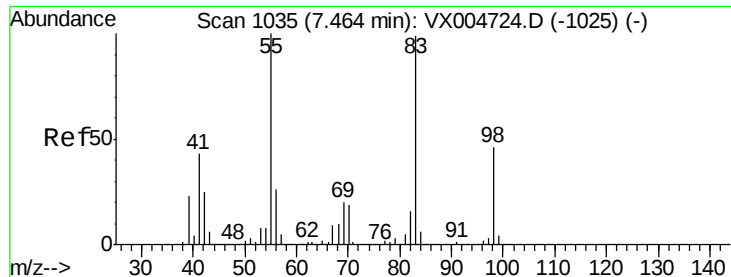


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

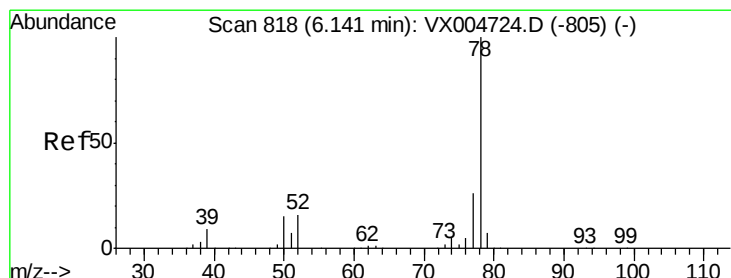
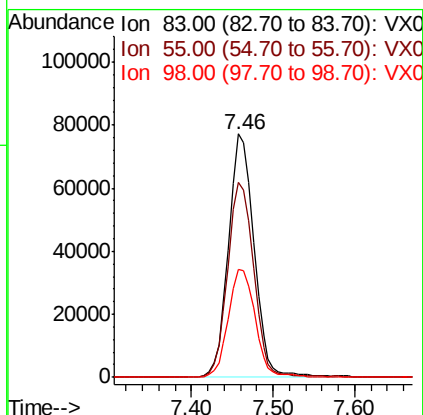
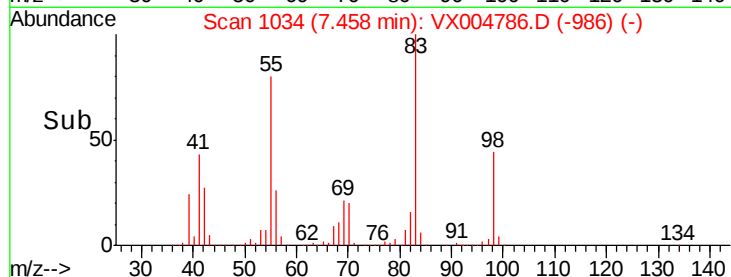
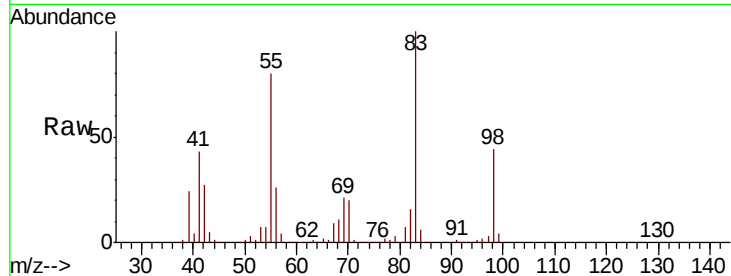




#39
Methvlcvclohexane
Concen: 41.927 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

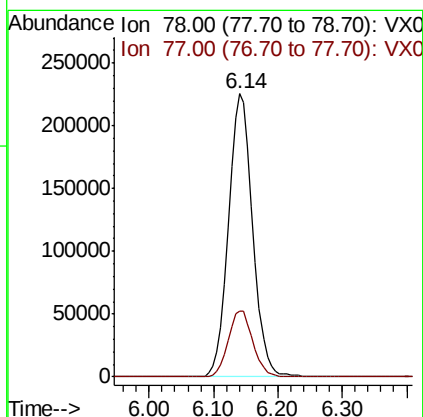
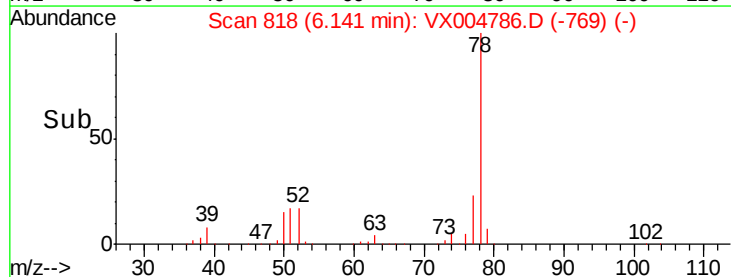
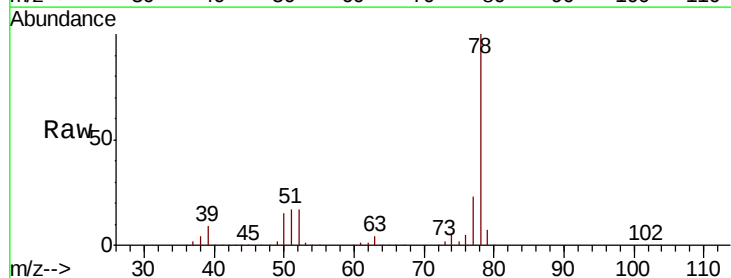
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

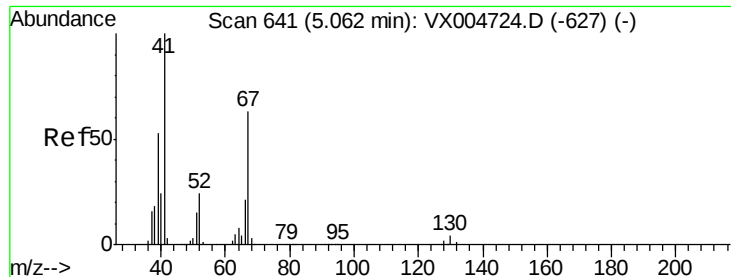
Tot Ion: 83 Resp: 167400
Ion Ratio Lower Upper
83 100
55 80.3 61.0 91.4
98 44.2 39.6 59.4



#40
Benzene
Concen: 48.469 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 78 Resp: 593324
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 52.724 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 151762

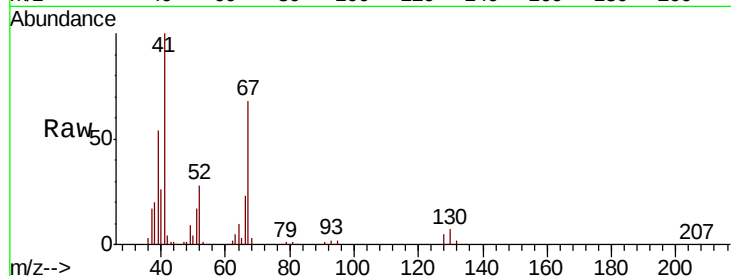
Ion Ratio Lower Upper

41 100

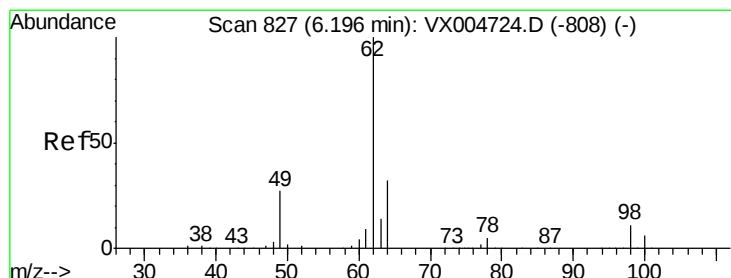
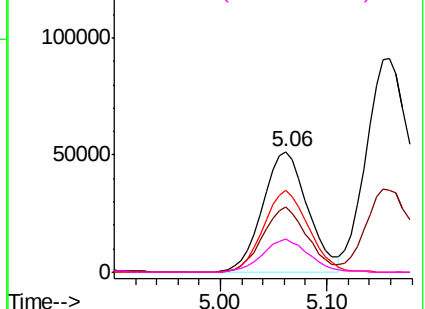
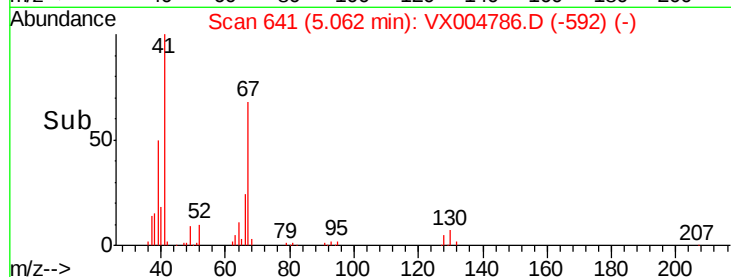
39 53.5 42.4 63.6

67 67.9 59.2 88.8

52 27.4 23.0 34.4



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



#42

1,2-Dichloroethane

Concen: 50.414 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX004786.D

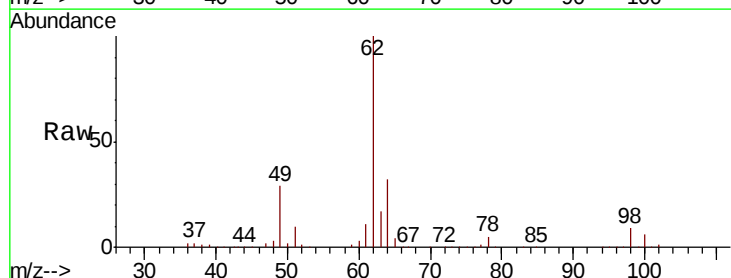
Acq: 27 Sep 2018 20:37

Tgt Ion: 62 Resp: 218161

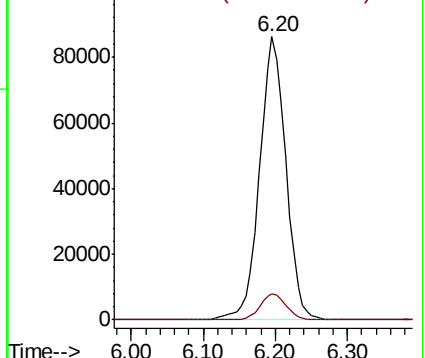
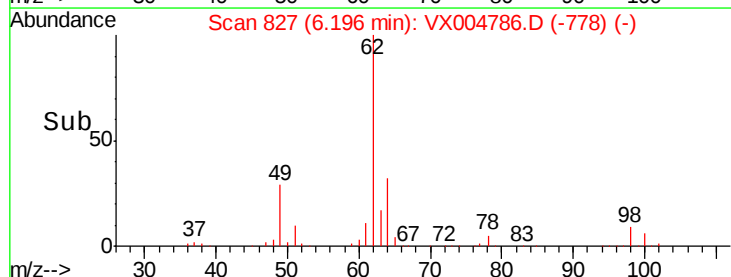
Ion Ratio Lower Upper

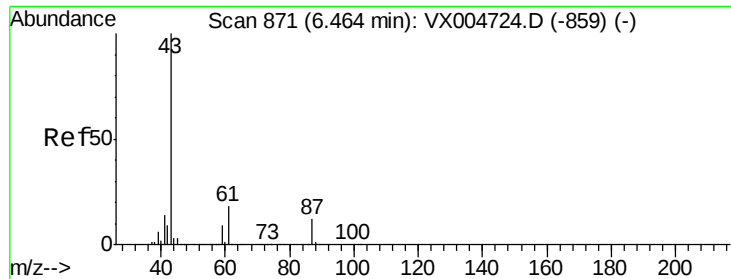
62 100

98 9.3 0.0 20.6



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



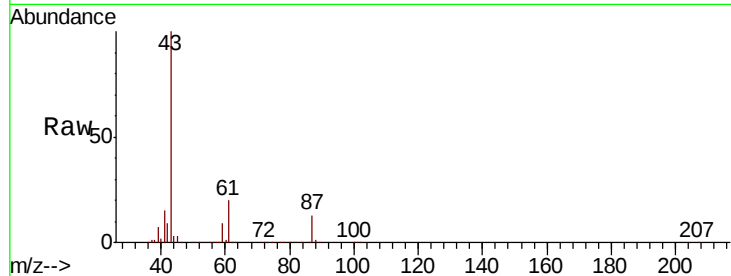


#43

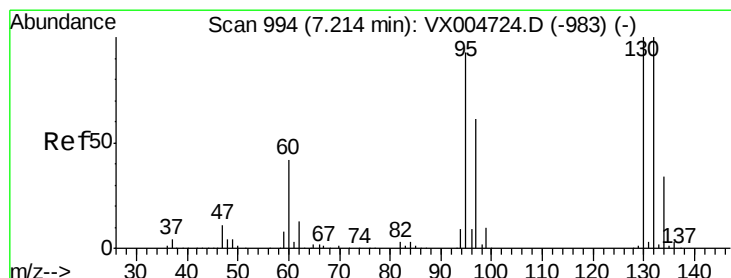
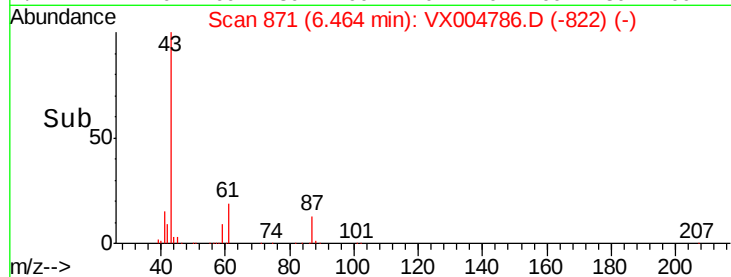
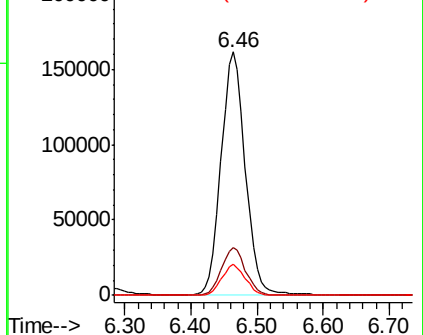
Isopropyl Acetate
 Concen: 54.443 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 407850
 Ion Ratio Lower Upper
 43 100
 61 19.6 17.0 25.4
 87 12.5 11.4 17.2



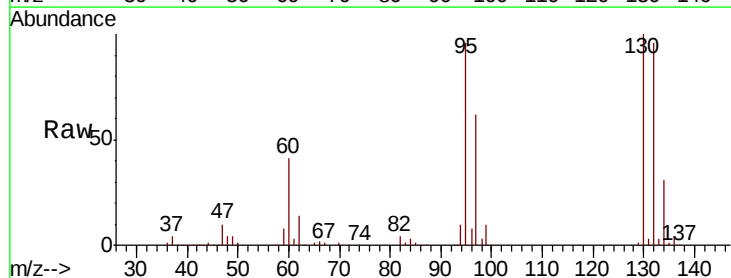
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



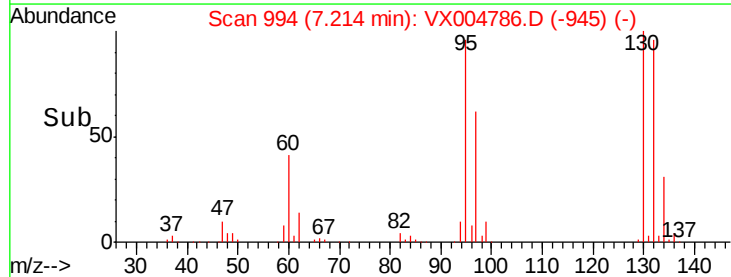
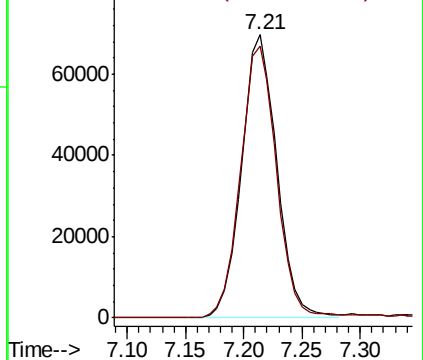
#44

Trichloroethene
 Concen: 48.939 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion: 130 Resp: 147272
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 55.251 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

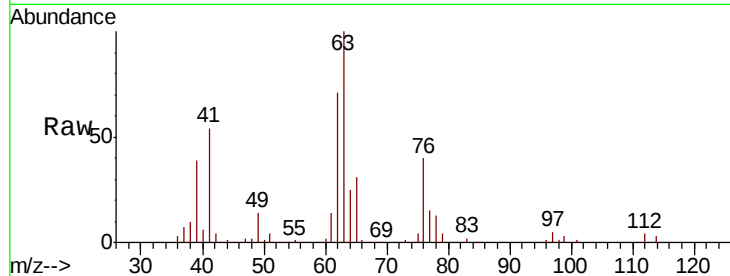
VSTDCCC050EC

Tot Ion: 63 Resp: 165861

Ion Ratio Lower Upper

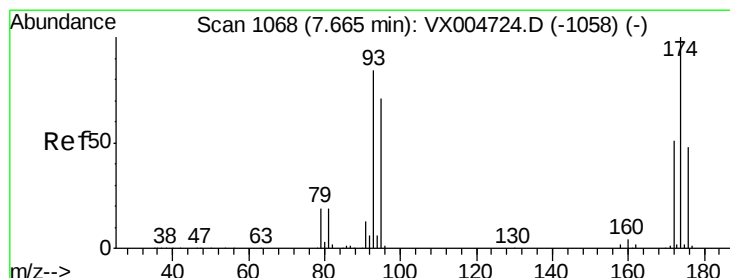
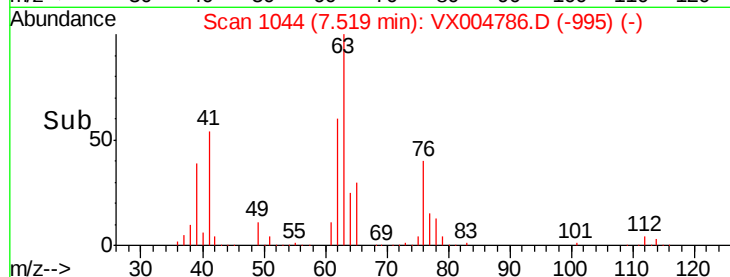
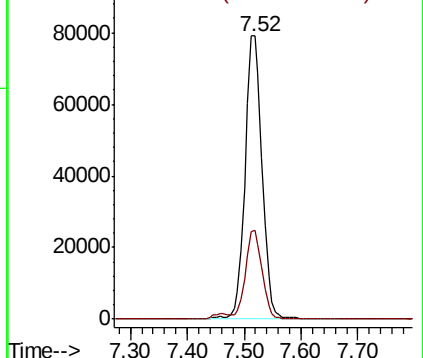
63 100

65 31.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 55.896 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

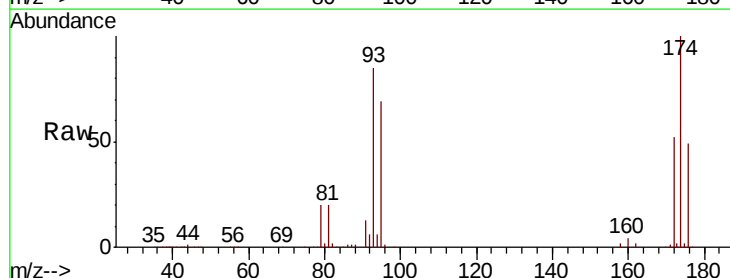
Tgt Ion: 93 Resp: 105454

Ion Ratio Lower Upper

93 100

95 83.5 65.5 98.3

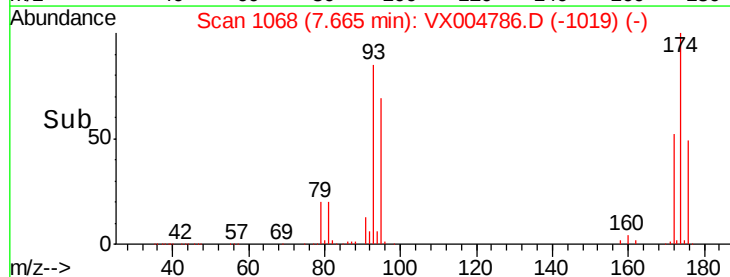
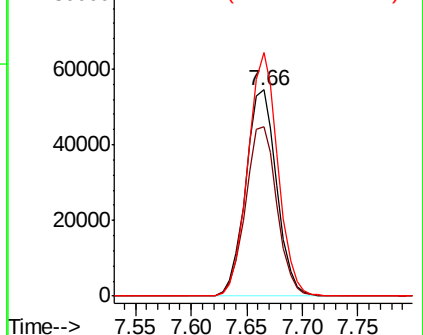
174 114.8 94.2 141.4

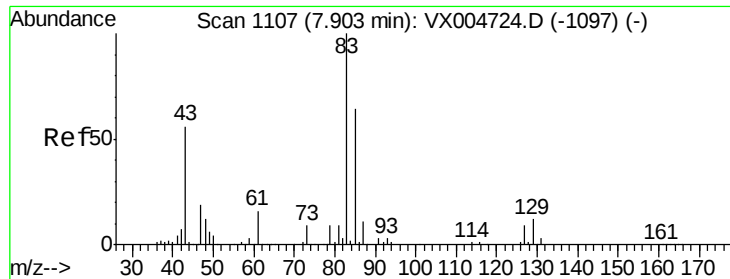


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 57.366 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

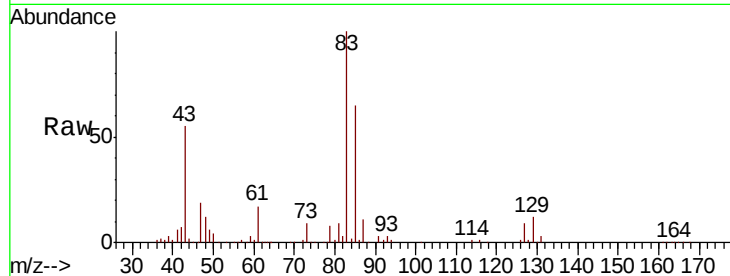
Tot Ion: 83 Resp: 202631

Ion Ratio Lower Upper

83 100

85 64.6 50.9 76.3

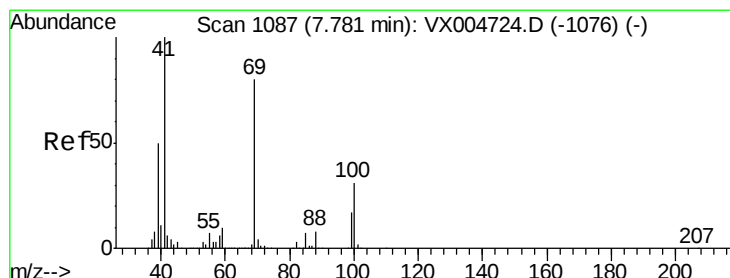
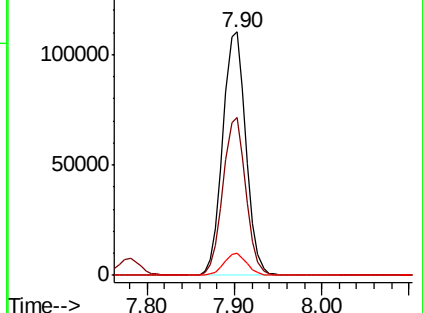
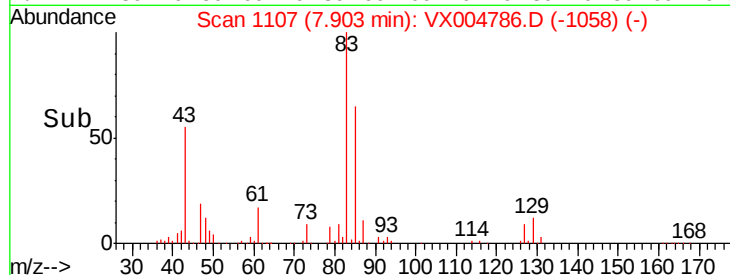
127 9.0 7.3 10.9



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: 63.553 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

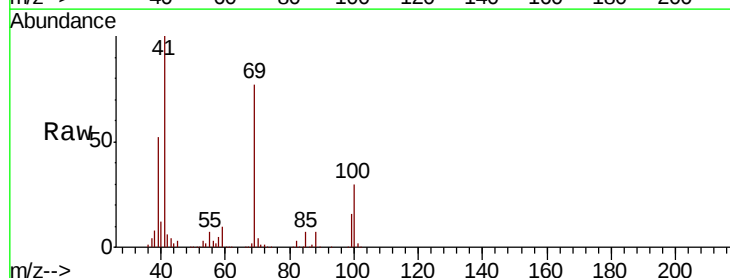
Tgt Ion: 41 Resp: 216093

Ion Ratio Lower Upper

41 100

69 79.3 70.2 105.4

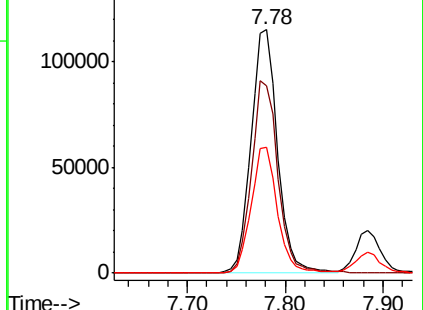
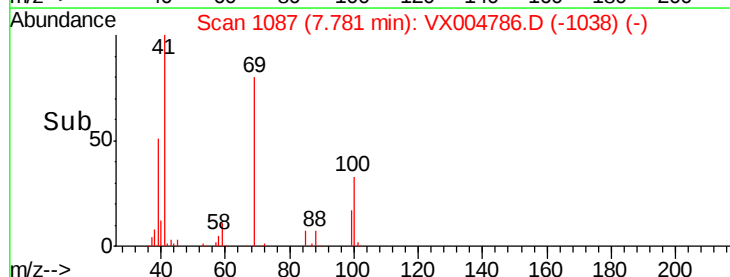
39 51.2 42.7 64.1

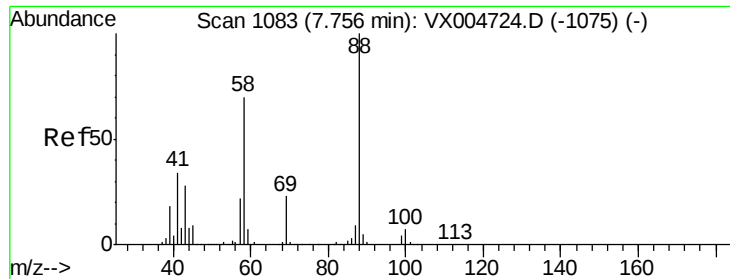


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1035.150 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

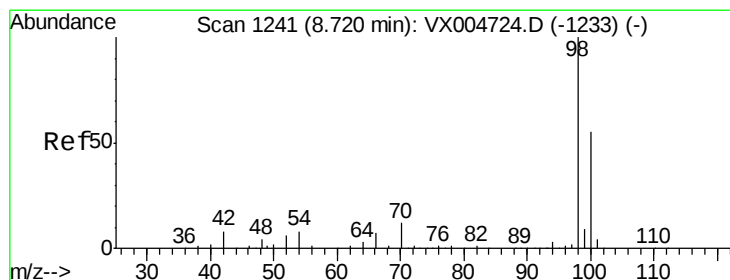
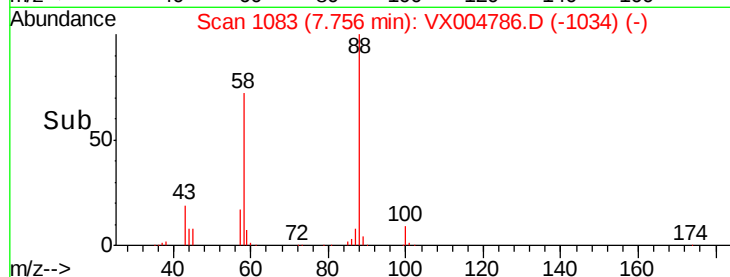
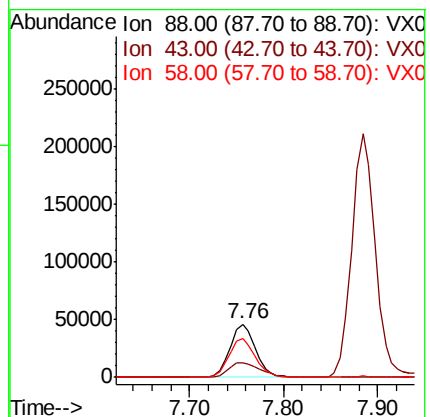
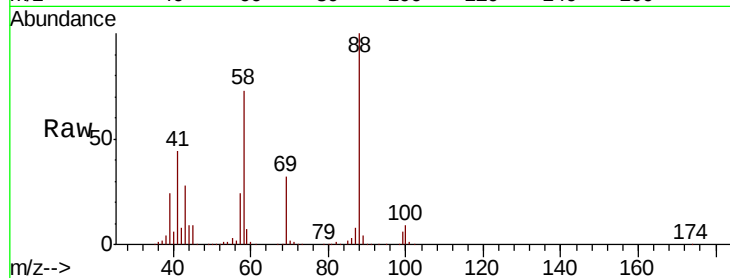
Tot Ion: 88 Resp: 87444

Ion Ratio Lower Upper

88 100

43 33.1 24.7 37.1

58 74.3 55.3 82.9



#50

Toluene-d8

Concen: 52.184 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004786.D

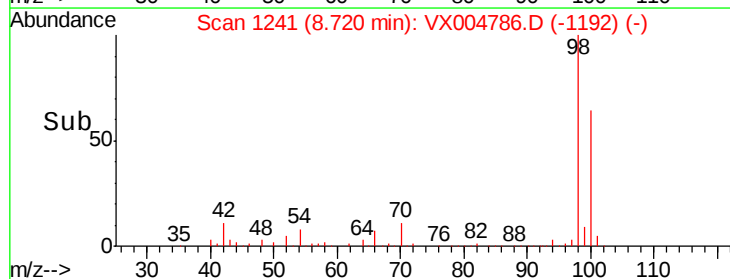
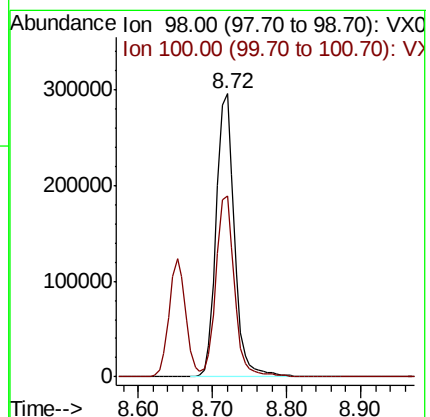
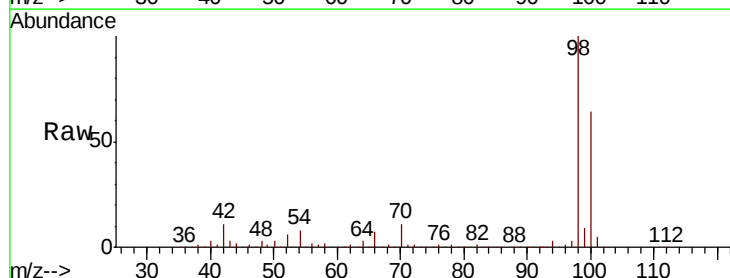
Acq: 27 Sep 2018 20:37

Tgt Ion: 98 Resp: 497180

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3

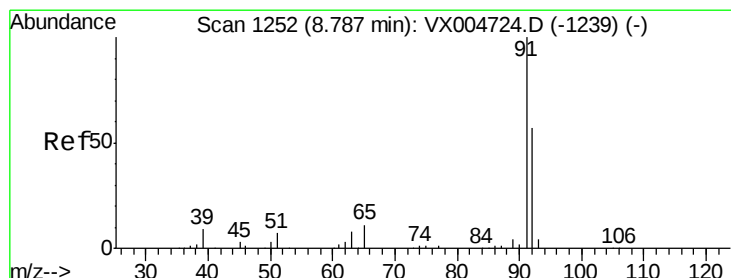
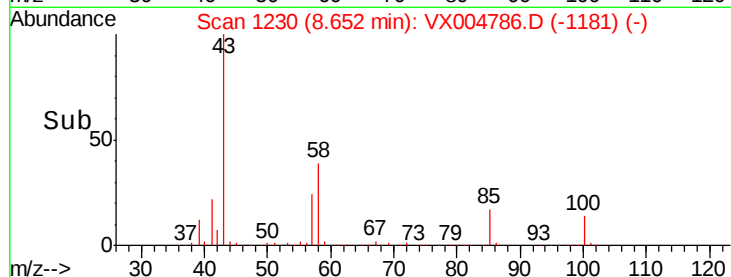
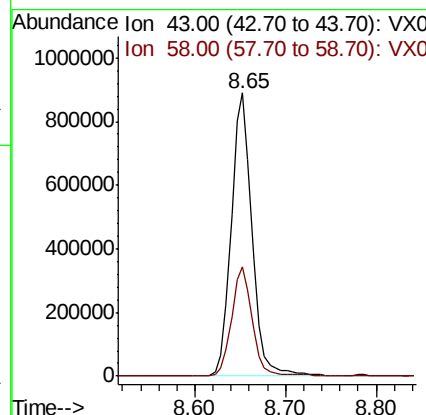
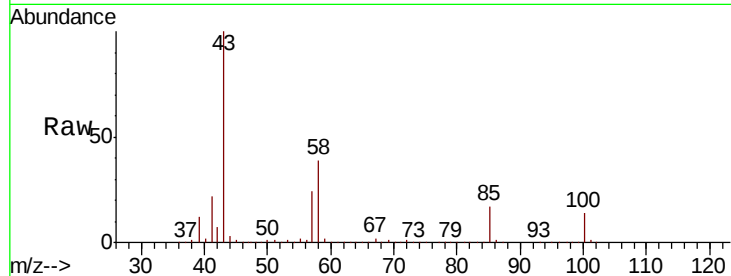




#51
4-Methyl-2-Pentanone
Concen: 304.689 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

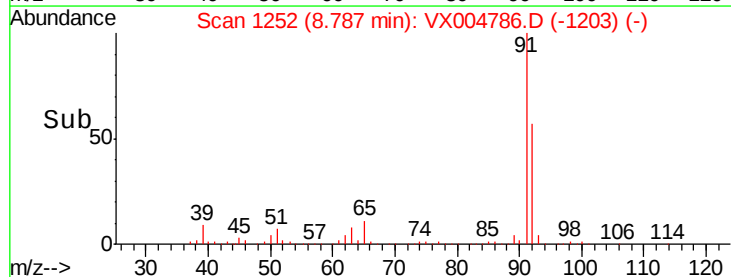
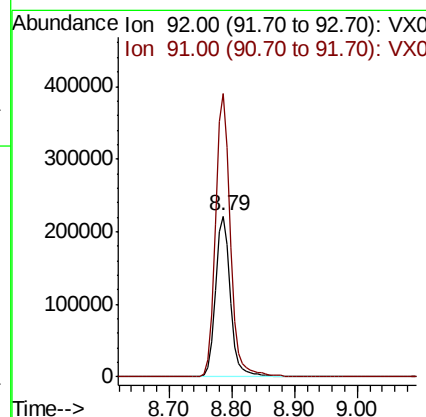
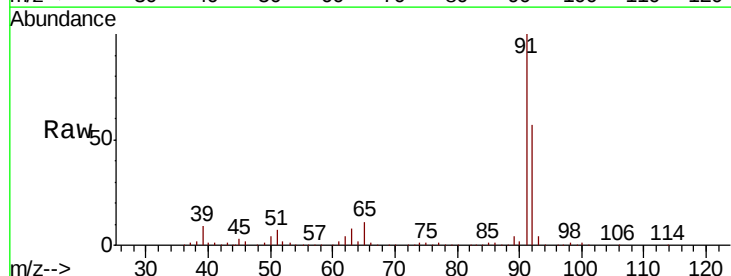
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1437190
Ion Ratio Lower Upper
43 100
58 38.8 33.1 49.7



#52
Toluene
Concen: 54.289 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 92 Resp: 365166
Ion Ratio Lower Upper
92 100
91 175.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 57.590 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

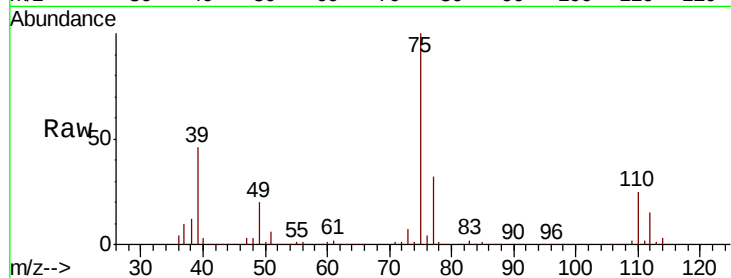
VSTDCCC050EC

Tot Ion: 75 Resp: 229876

Ion Ratio Lower Upper

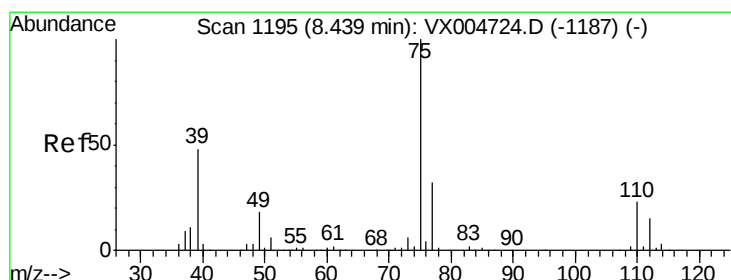
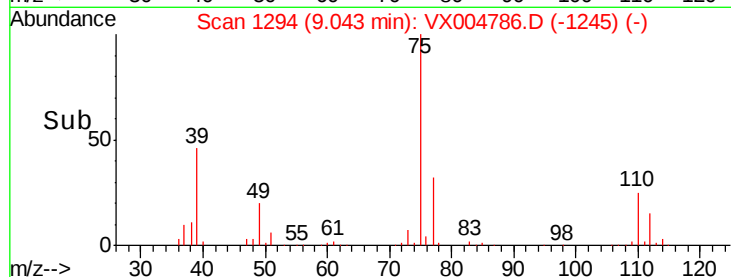
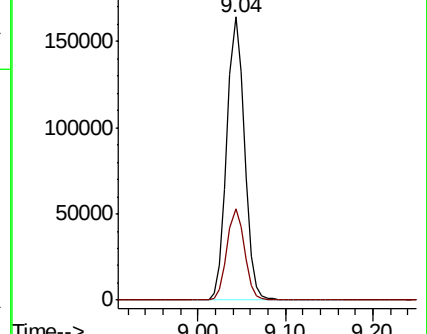
75 100

77 32.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 59.699 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

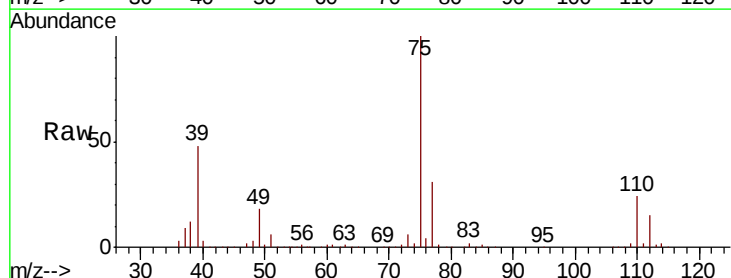
Tgt Ion: 75 Resp: 249591

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

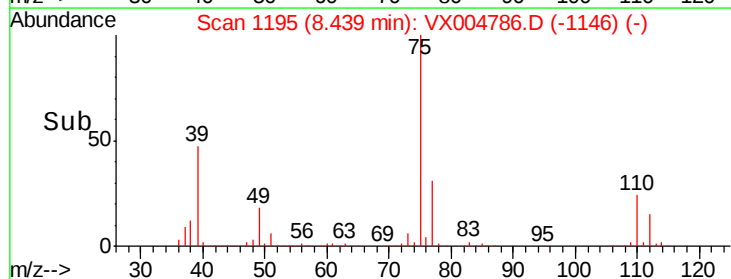
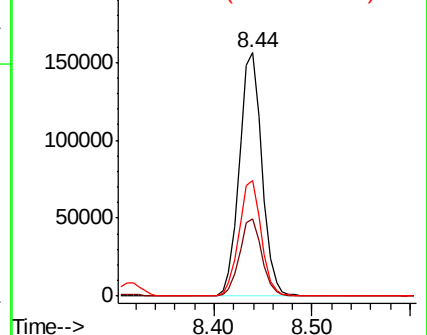
39 47.5 36.4 54.6



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

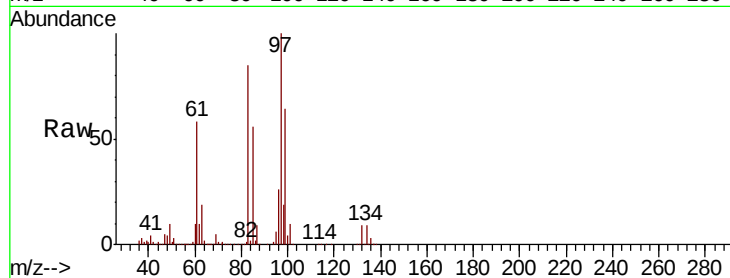




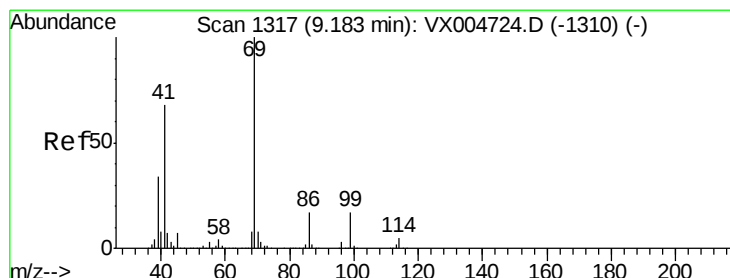
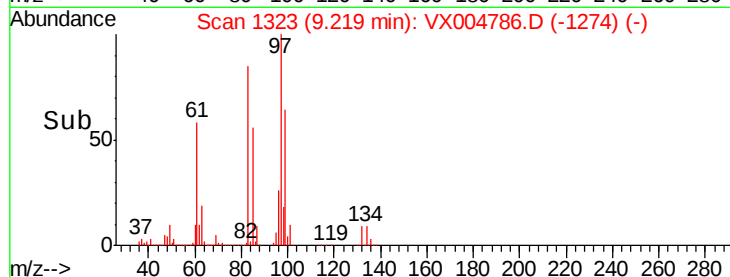
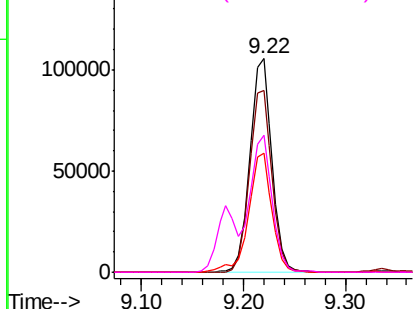
#55
 1,1,2-Trichloroethane
 Concen: 54.251 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	159844
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.4	99.6
85	55.9	43.3	64.9
99	63.9	49.0	73.4

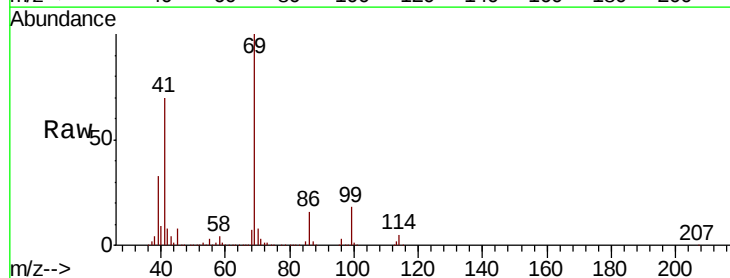


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

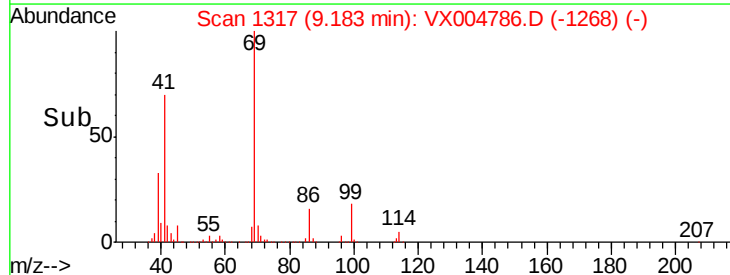
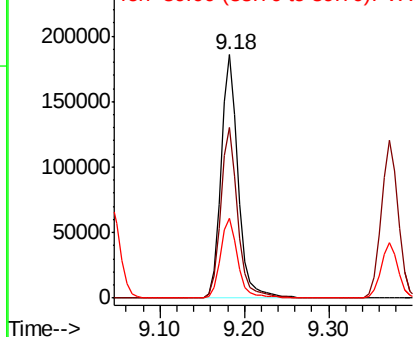


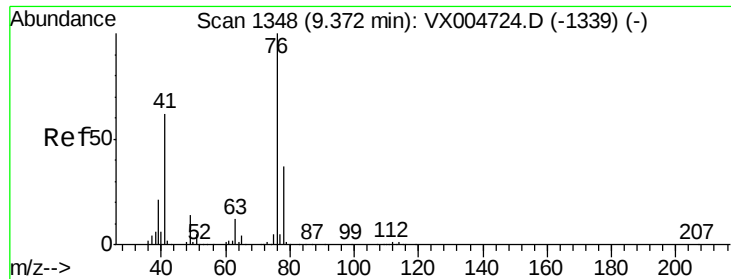
#56
 Ethyl methacrylate
 Concen: 54.255 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion:	69	Resp:	260638
Ion	Ratio	Lower	Upper
69	100		
41	69.6	51.0	76.4
39	33.0	26.1	39.1



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





#57

1,3-Dichloropropane

Concen: 55.381 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

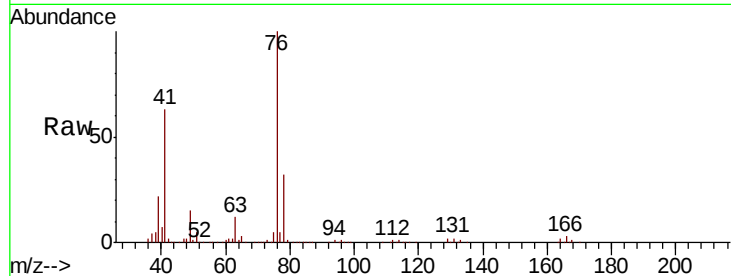
VSTDCCC050EC

Tot Ion: 76 Resp: 271576

Ion Ratio Lower Upper

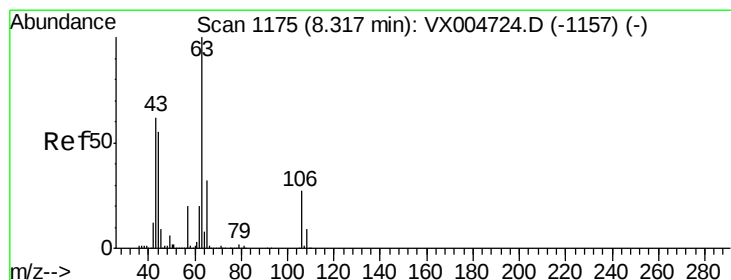
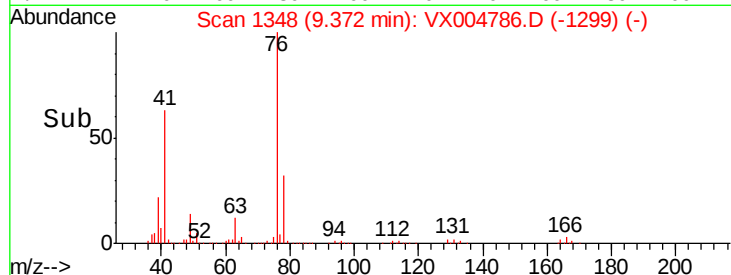
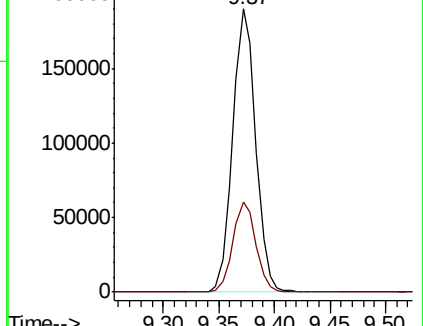
76 100

78 32.0 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: 277.697 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004786.D

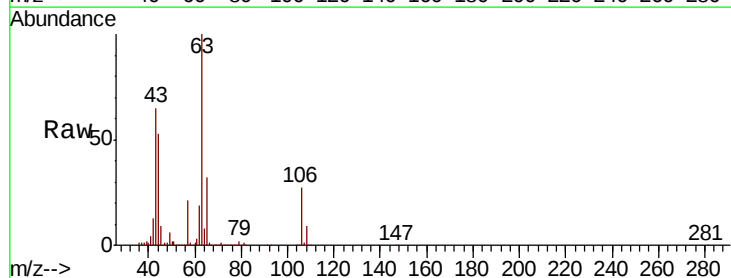
Acq: 27 Sep 2018 20:37

Tgt Ion: 63 Resp: 709246

Ion Ratio Lower Upper

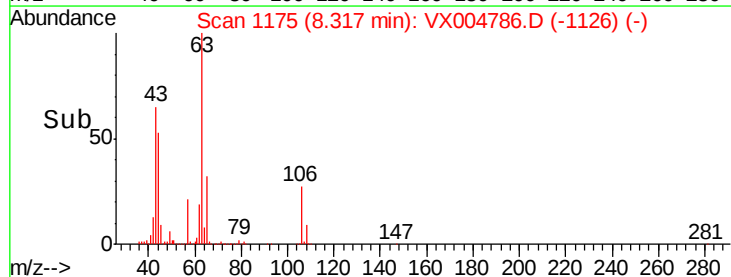
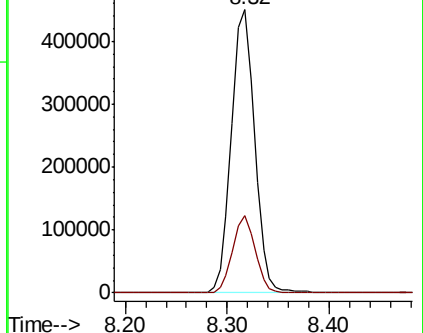
63 100

106 26.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

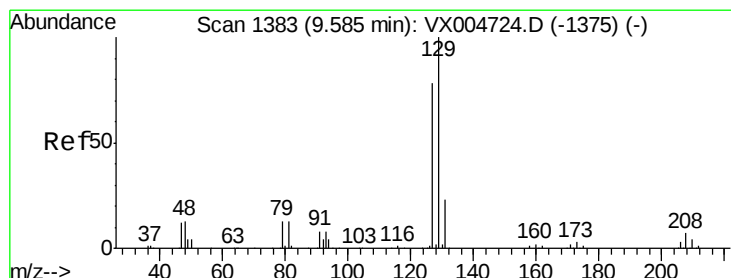
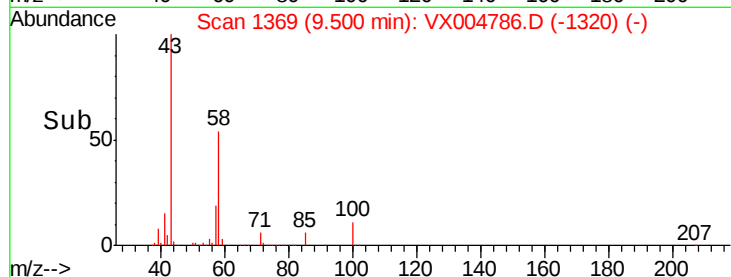
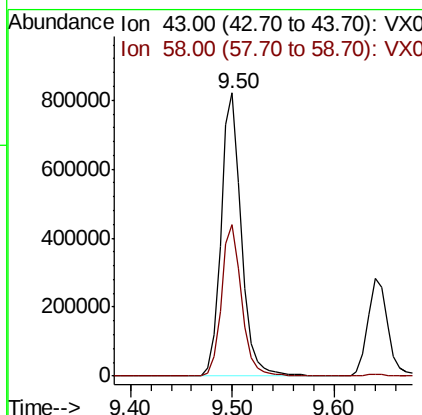
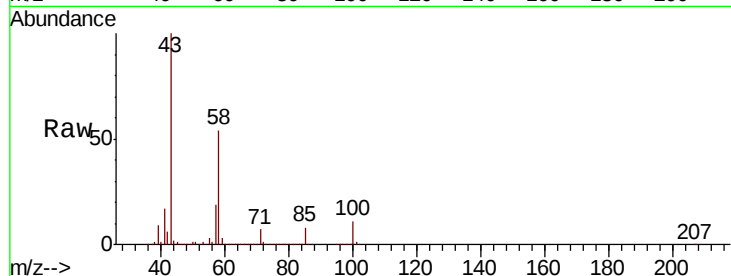




#59
2-Hexanone
Concen: 289.468 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

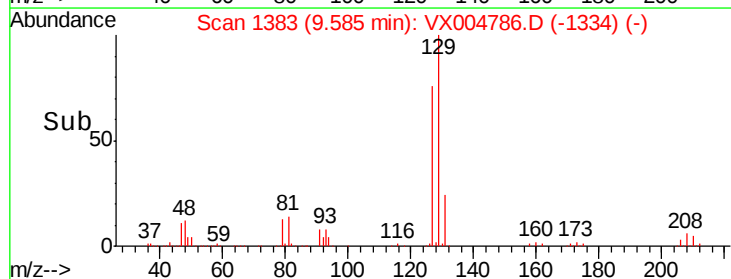
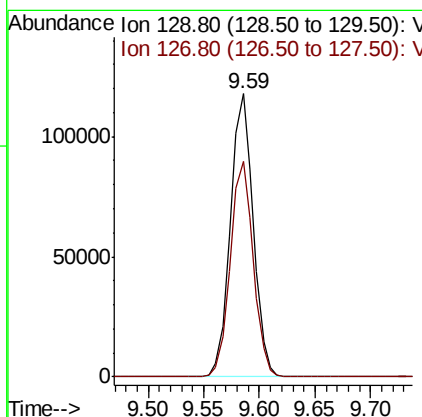
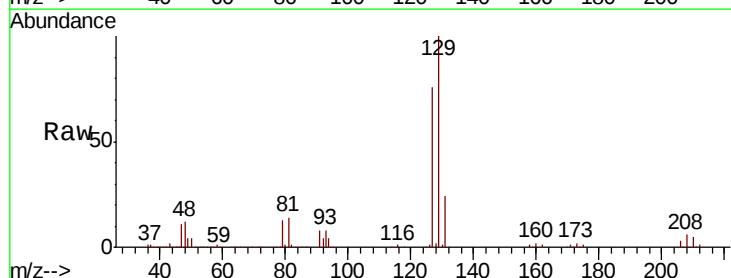
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

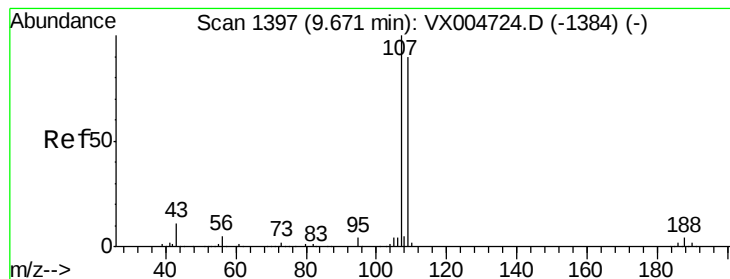
Tot Ion: 43 Resp: 1137807
Ion Ratio Lower Upper
43 100
58 53.3 29.0 87.0



#60
Dibromochloromethane
Concen: 56.611 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 129 Resp: 166812
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.982 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

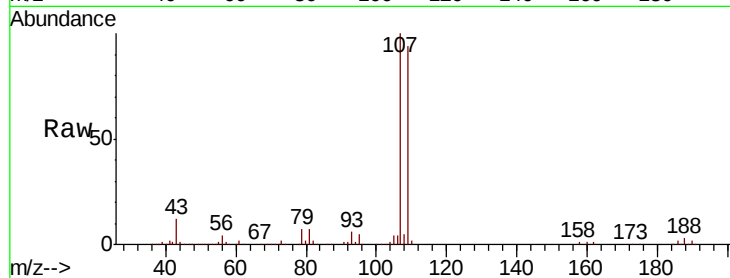
VSTDCCC050EC

Tot Ion:107 Resp: 167181

Ion Ratio Lower Upper

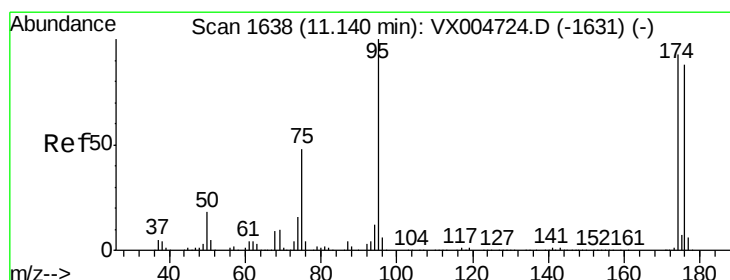
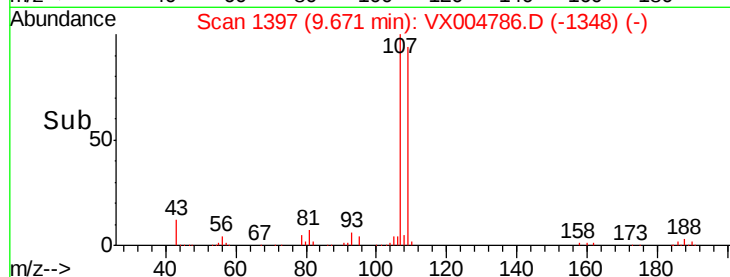
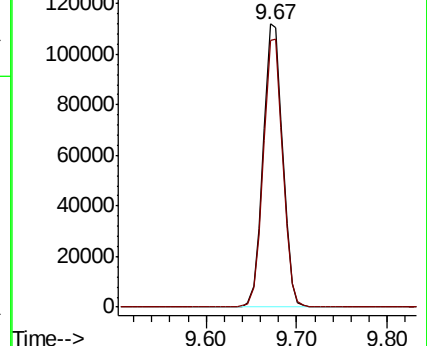
107 100

109 94.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.080 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

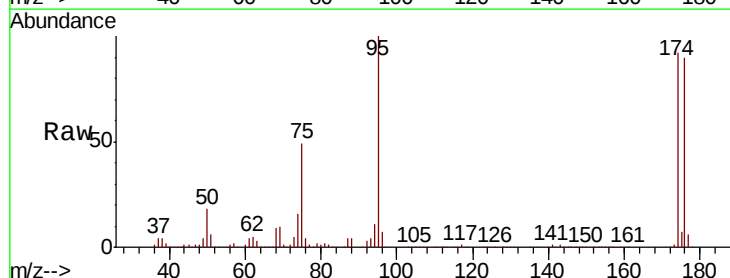
Tgt Ion: 95 Resp: 189054

Ion Ratio Lower Upper

95 100

174 90.3 0.0 185.2

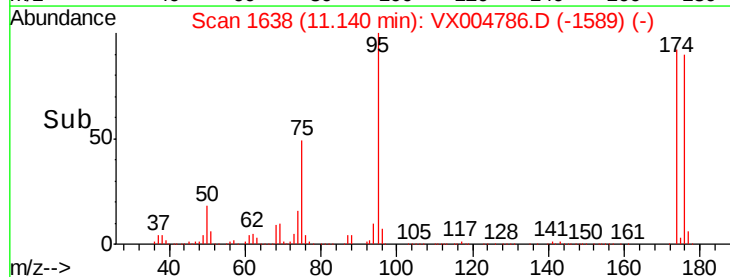
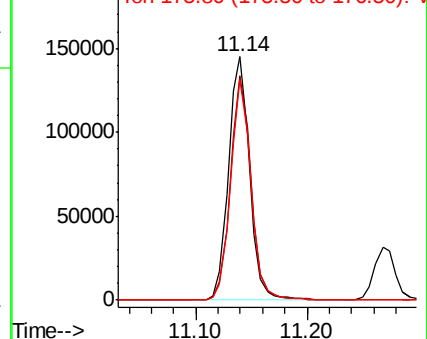
176 87.8 0.0 178.6

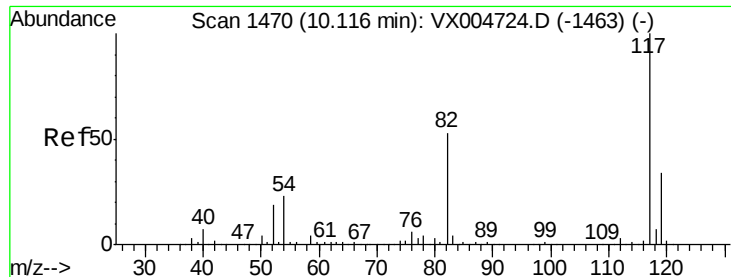


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

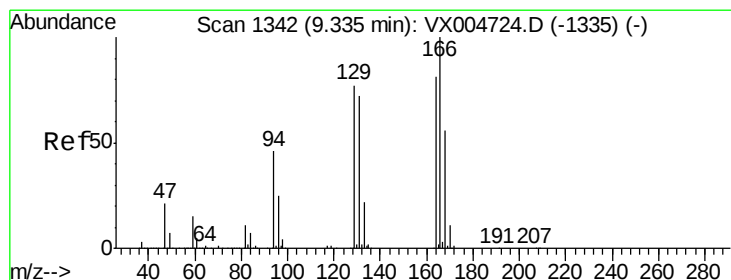
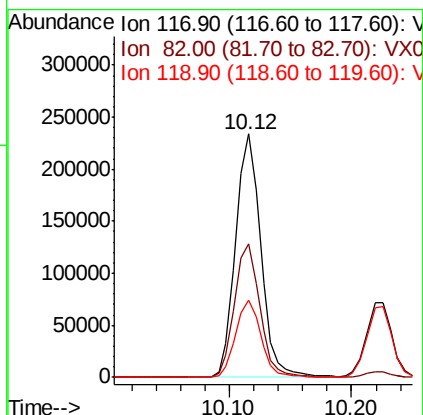
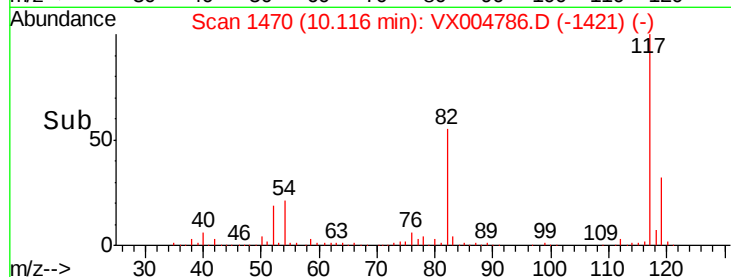
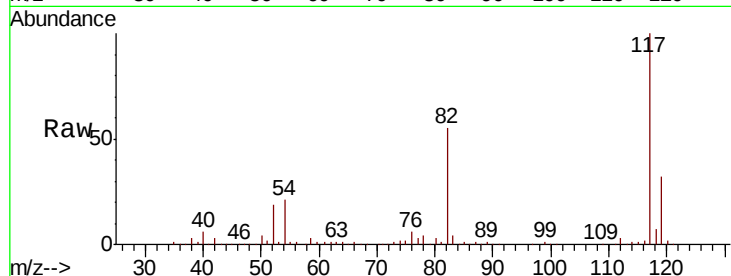




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

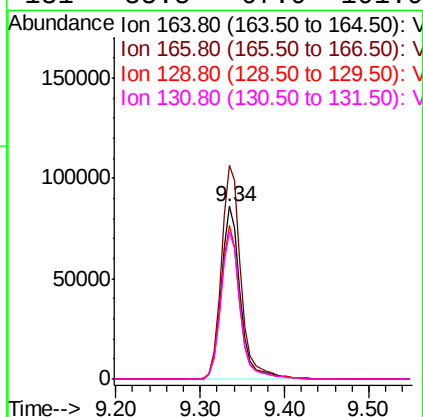
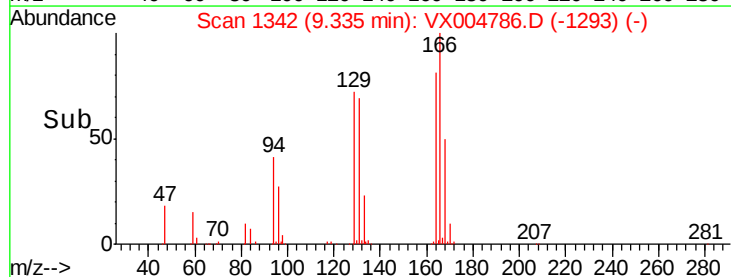
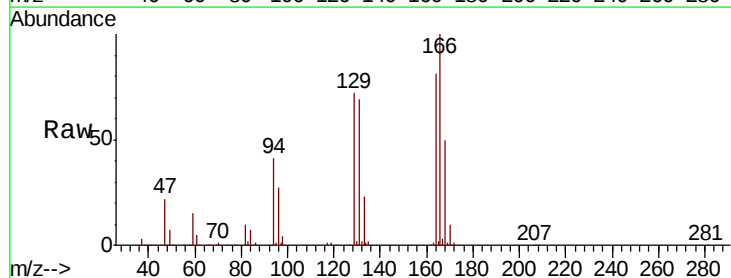
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 334081
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 31.7 29.3 43.9



#64
Tetrachloroethene
Concen: 40.936 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion:164 Resp: 134600
Ion Ratio Lower Upper
164 100
166 123.7 102.8 154.2
129 89.3 69.4 104.0
131 85.5 67.9 101.9

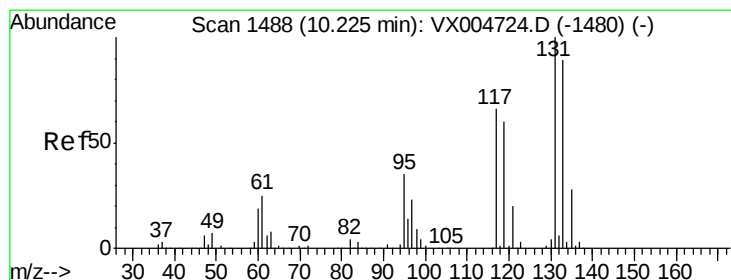
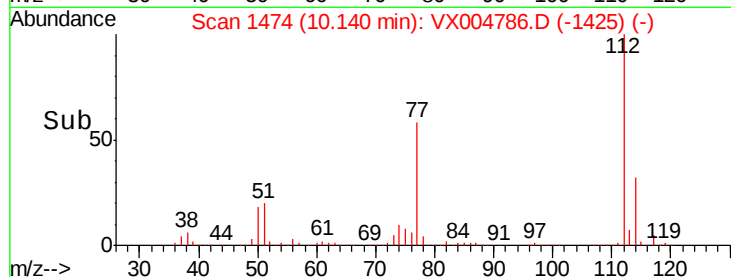
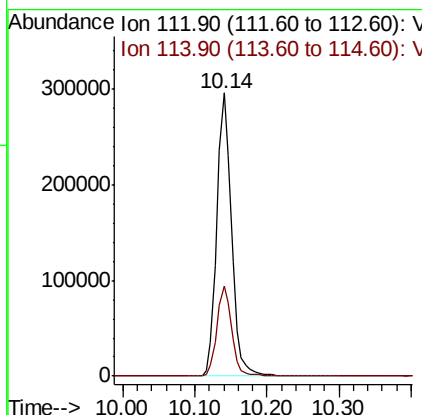
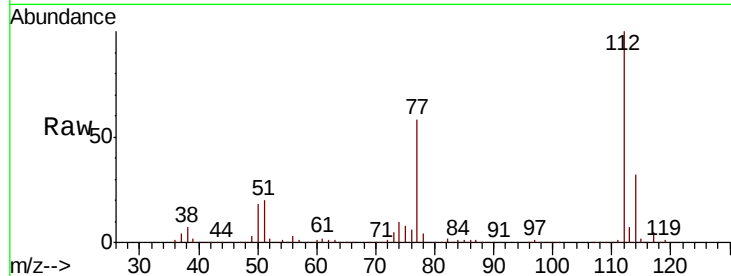




#65
Chlorobenzene
Concen: 48.843 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

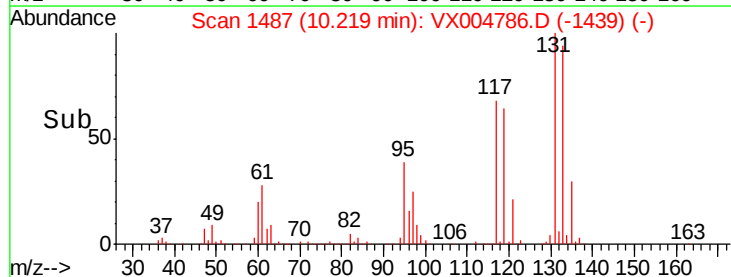
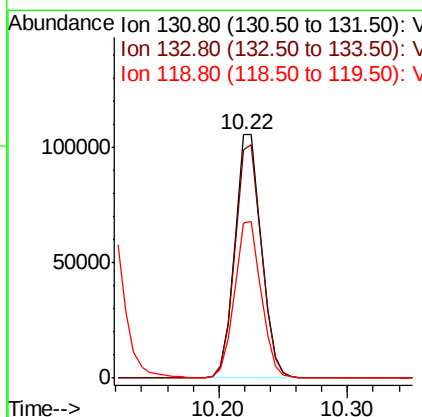
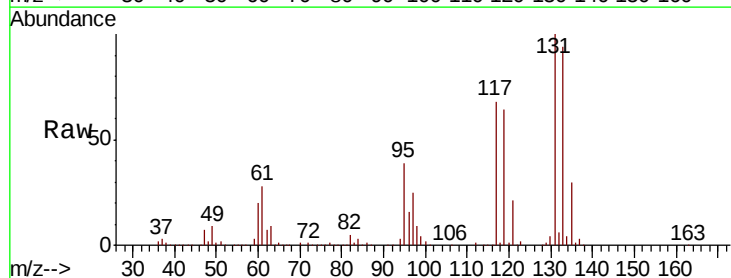
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

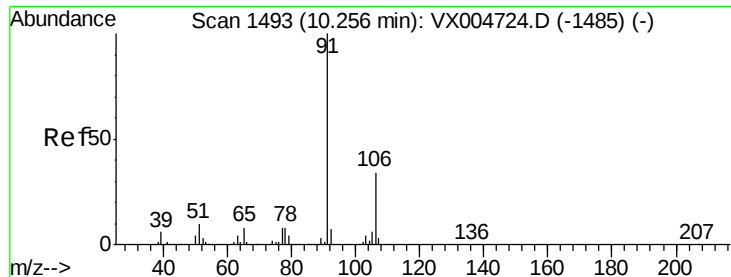
Tot Ion:112 Resp: 418425
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.411 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion:131 Resp: 151823
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 64.6 32.9 98.6

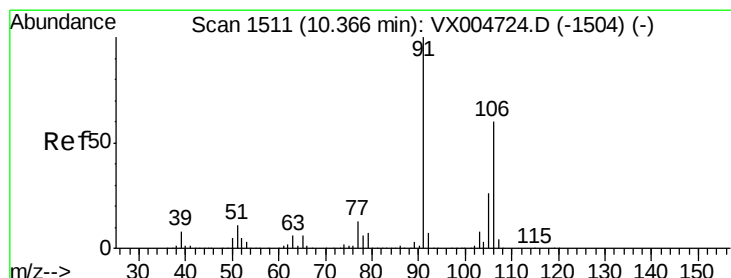
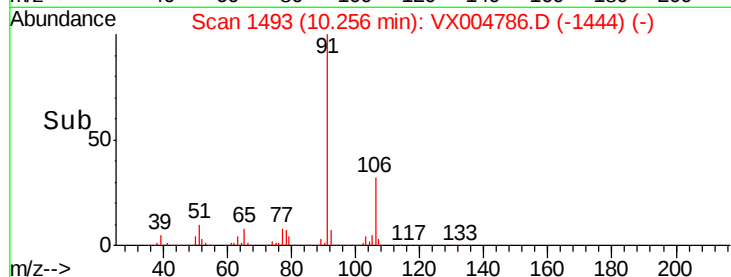
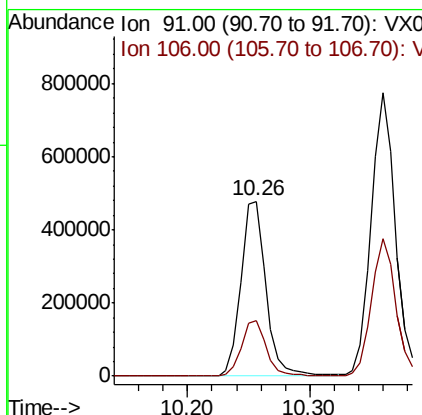
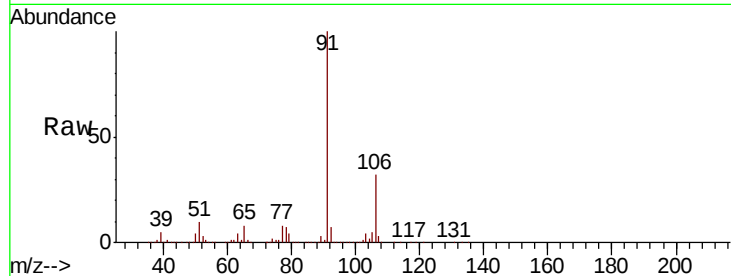




#67
Ethyl Benzene
Concen: 50.116 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

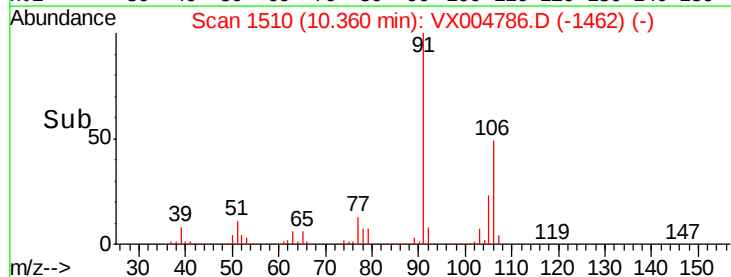
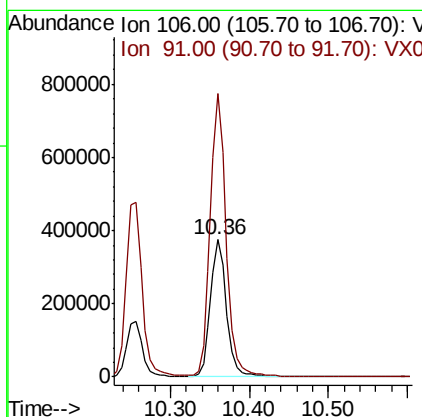
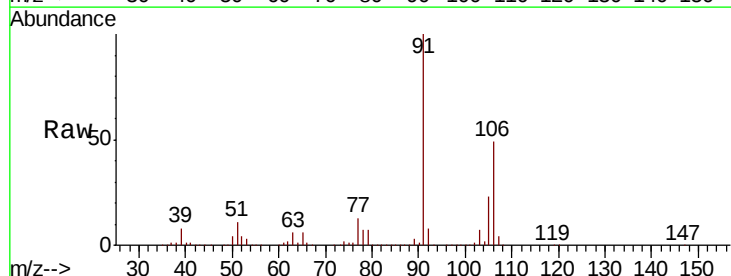
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

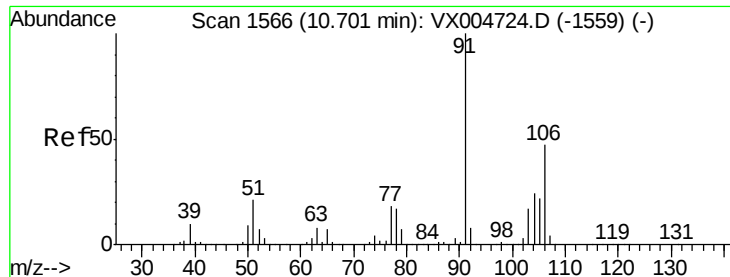
Tot Ion: 91 Resp: 681620
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9



#68
m/p-Xylenes
Concen: 100.247 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion: 106 Resp: 532794
Ion Ratio Lower Upper
106 100
91 204.8 157.1 235.7

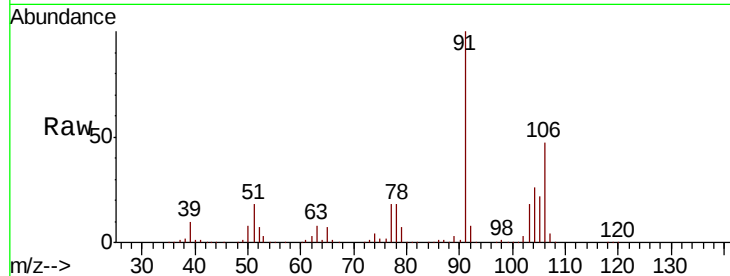




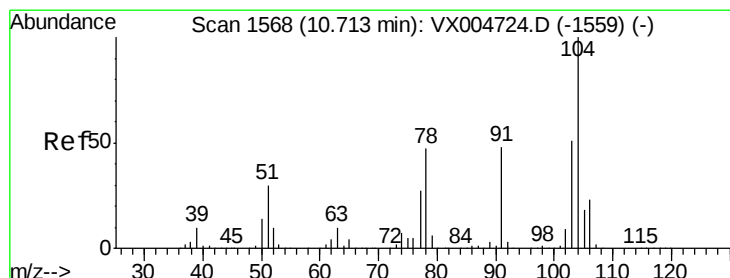
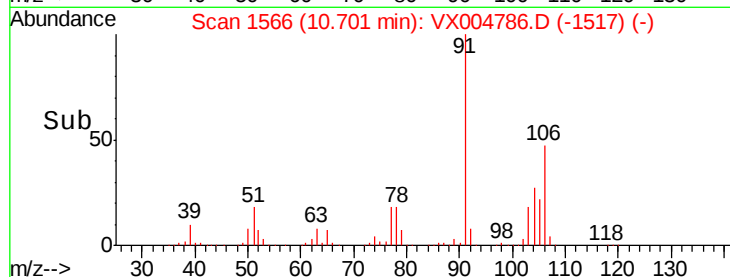
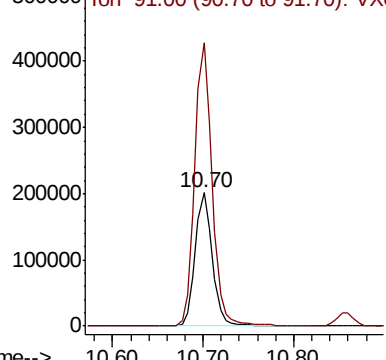
#69
o-Xylene
Concen: 54.616 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 266613
Ion Ratio Lower Upper
106 100
91 215.2 105.1 315.1

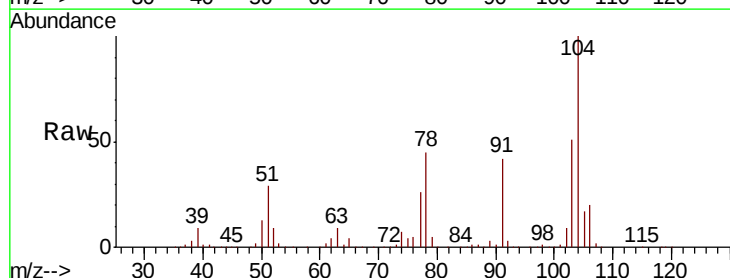


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

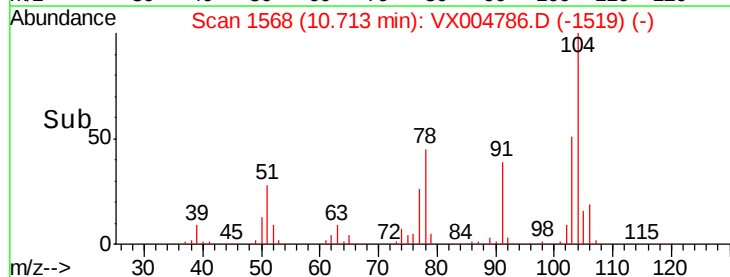
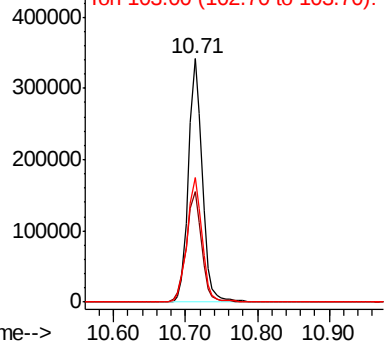


#70
Styrene
Concen: 49.772 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion:104 Resp: 454335
Ion Ratio Lower Upper
104 100
78 50.3 37.4 56.0
103 55.5 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: 52.966 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

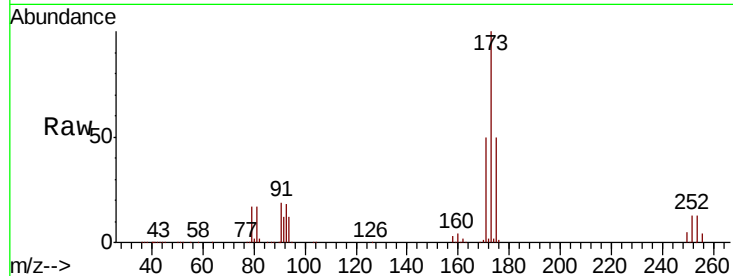
Tot Ion:173 Resp: 136567

Ion Ratio Lower Upper

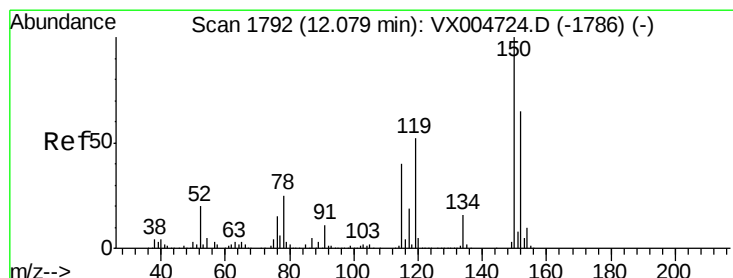
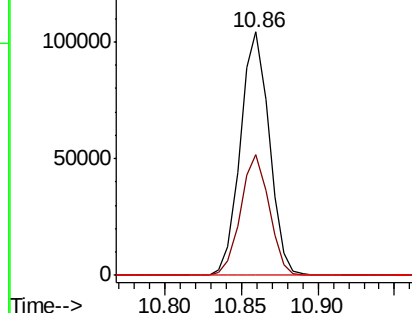
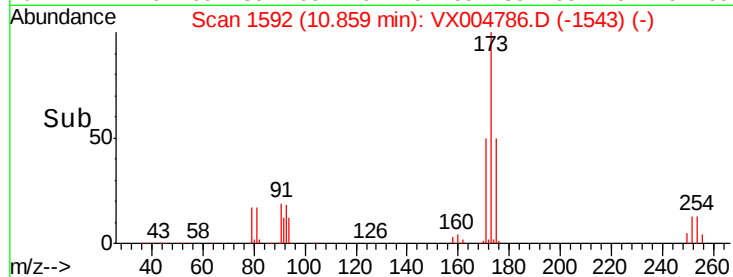
173 100

175 48.9 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

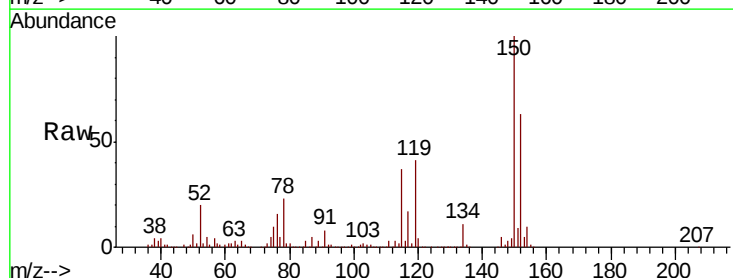
Tgt Ion:152 Resp: 204713

Ion Ratio Lower Upper

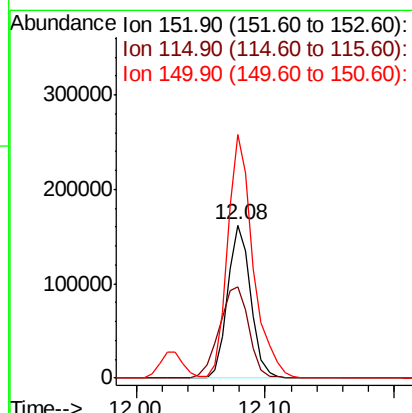
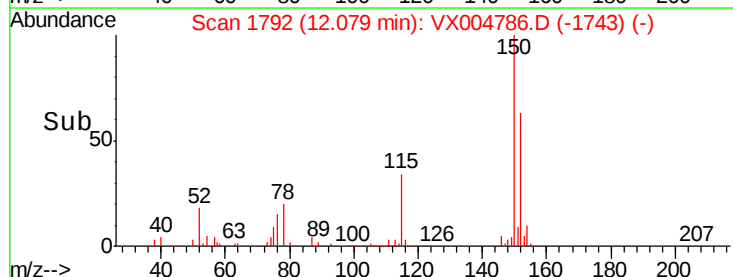
152 100

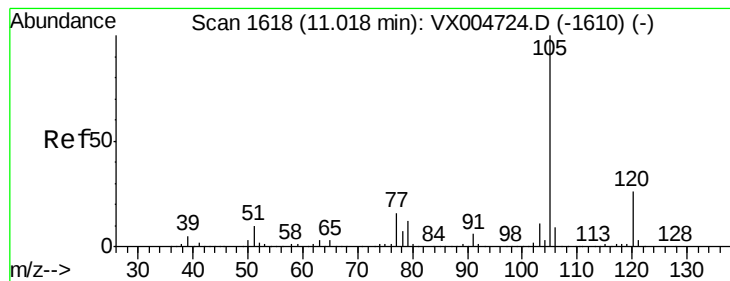
115 76.3 39.0 117.0

150 174.9 0.0 351.0



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





#73

Isopropylbenzene

Concen: 51.222 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

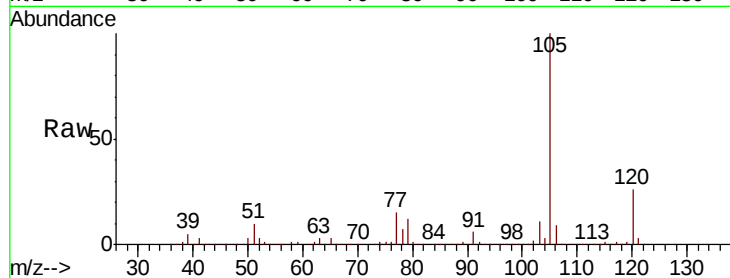
VSTDCCC050EC

Tot Ion: 105 Resp: 660930

Ion Ratio Lower Upper

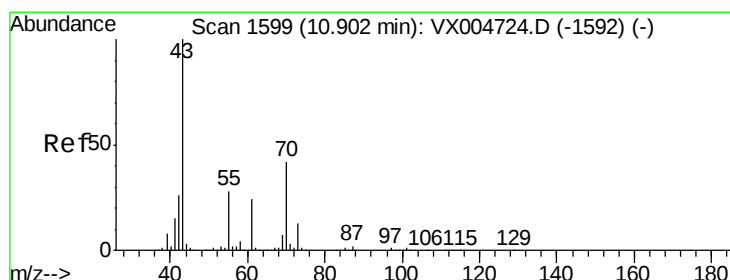
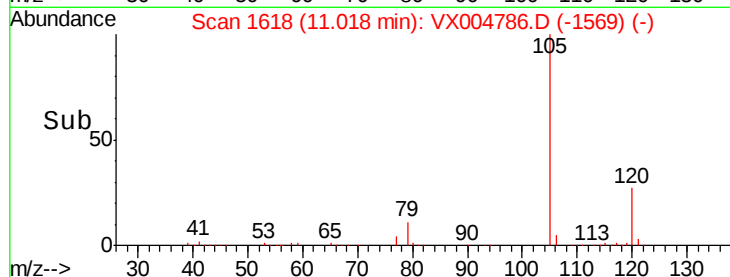
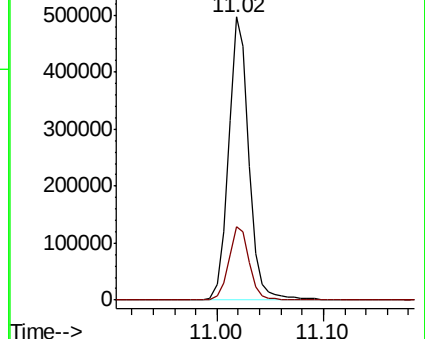
105 100

120 26.5 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: 53.720 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Tgt Ion: 43 Resp: 381950

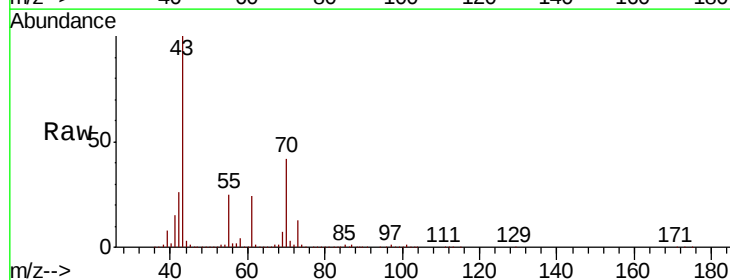
Ion Ratio Lower Upper

43 100

70 40.1 37.4 56.0

55 24.6 21.8 32.8

61 23.2 20.6 30.8

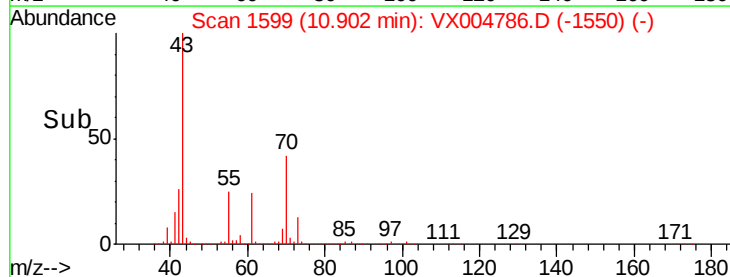
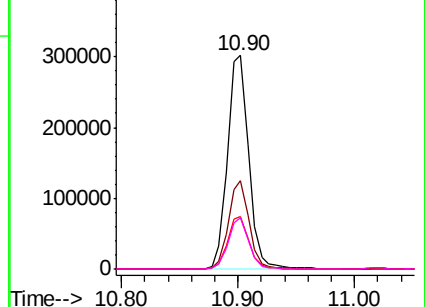


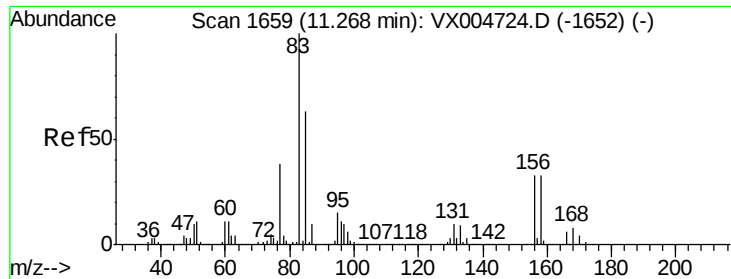
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.782 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

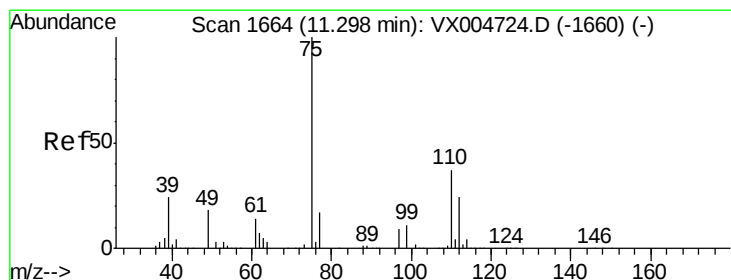
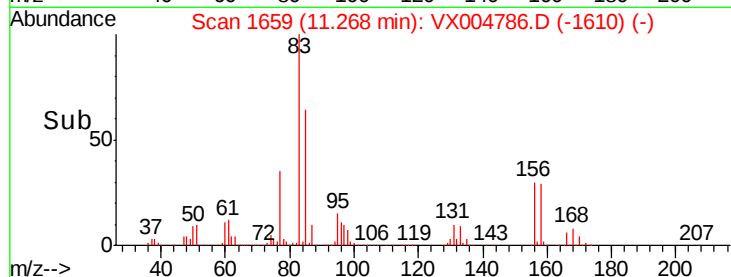
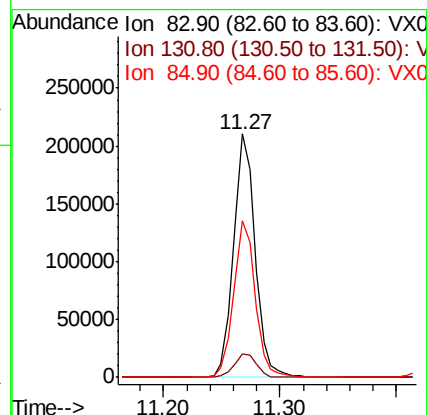
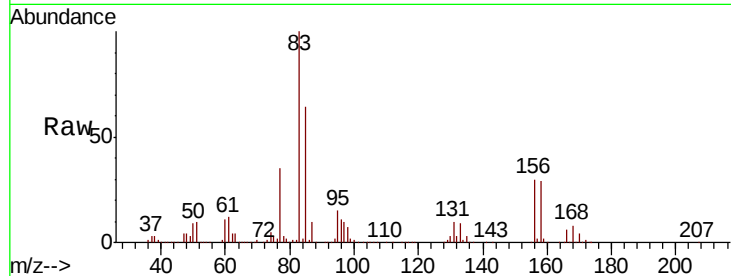
Tot Ion: 83 Resp: 271986

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

85 64.7 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 67.436 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004786.D

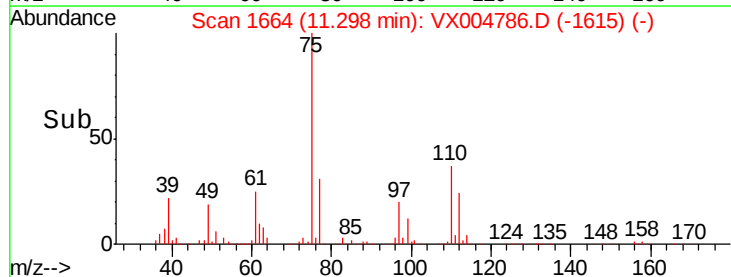
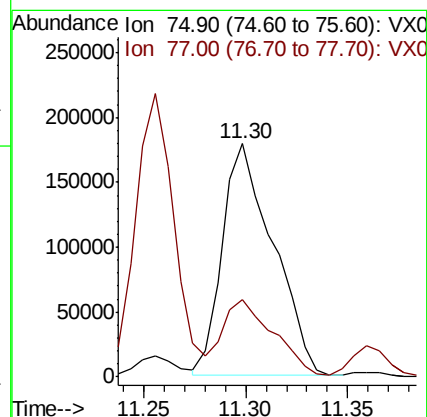
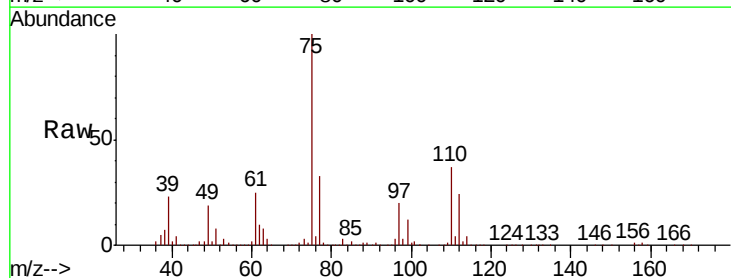
Acq: 27 Sep 2018 20:37

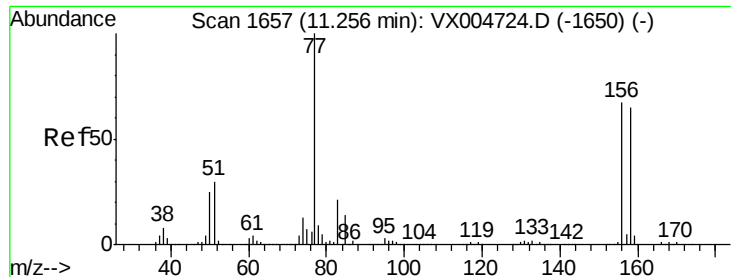
Tgt Ion: 75 Resp: 309420

Ion Ratio Lower Upper

75 100

77 33.4 20.2 60.6





#77

Bromobenzene

Concen: 52.244 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

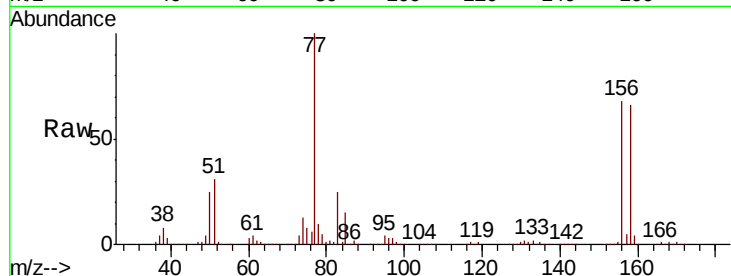
Tot Ion:156 Resp: 195805

Ion Ratio Lower Upper

156 100

77 147.6 71.5 214.3

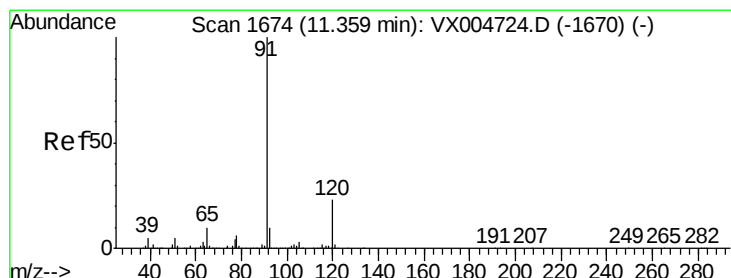
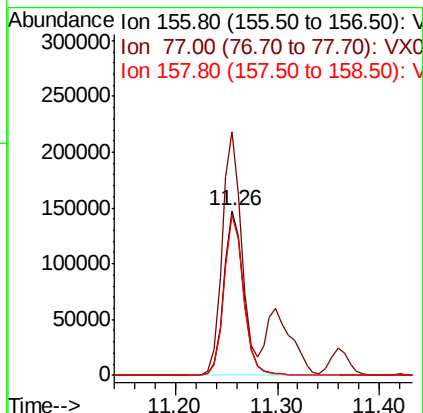
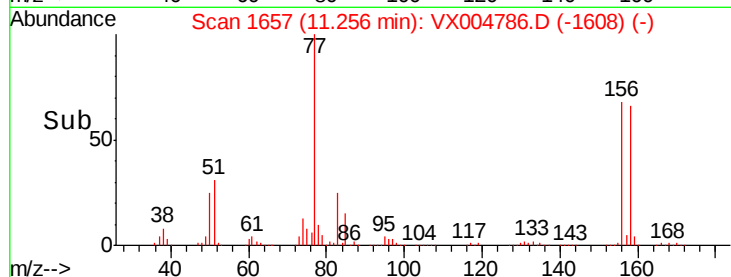
158 97.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.710 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004786.D

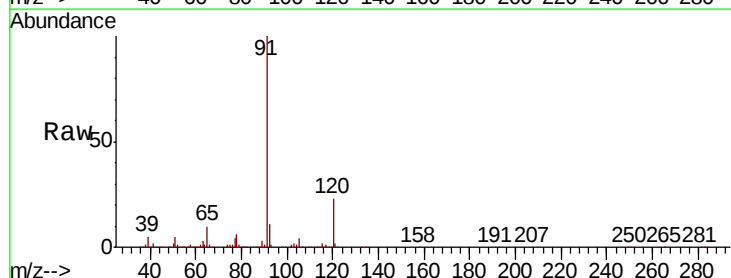
Acq: 27 Sep 2018 20:37

Tgt Ion: 91 Resp: 750760

Ion Ratio Lower Upper

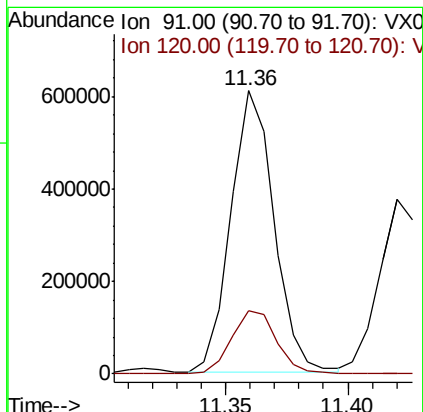
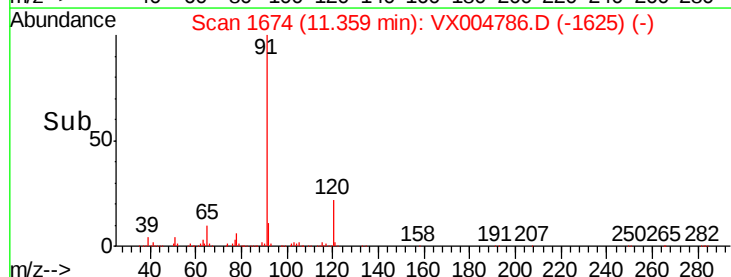
91 100

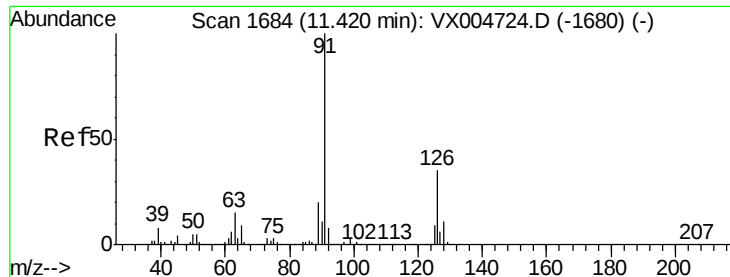
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.562 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

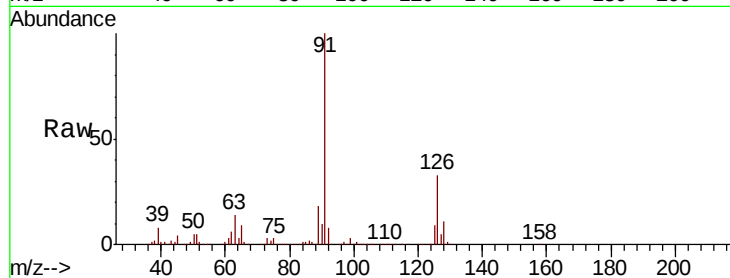
VSTDCCC050EC

Tot Ion: 91 Resp: 485055

Ion Ratio Lower Upper

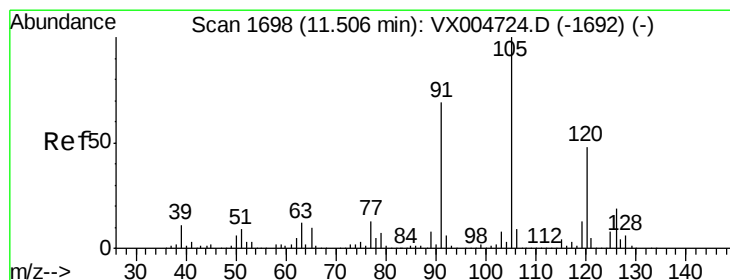
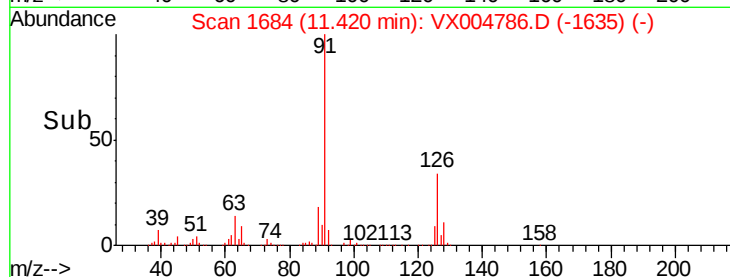
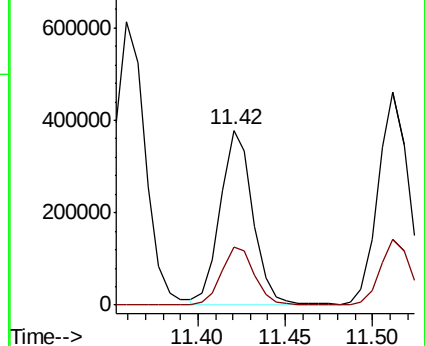
91 100

126 34.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.849 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004786.D

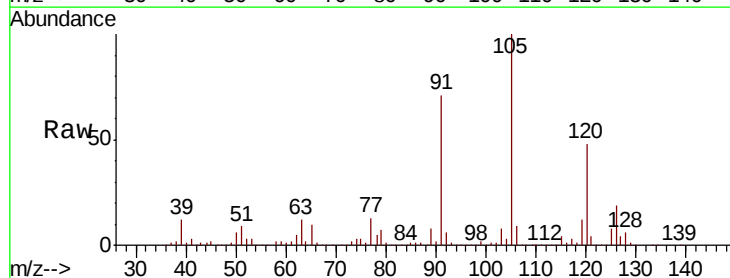
Acq: 27 Sep 2018 20:37

Tgt Ion:105 Resp: 577760

Ion Ratio Lower Upper

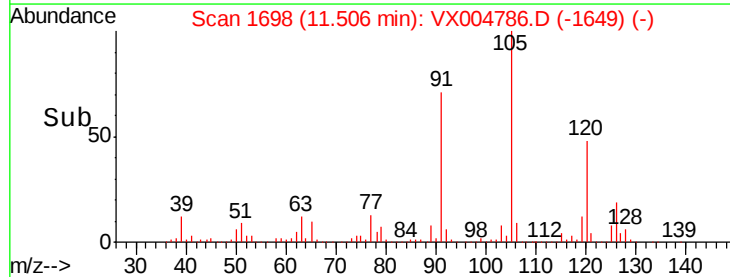
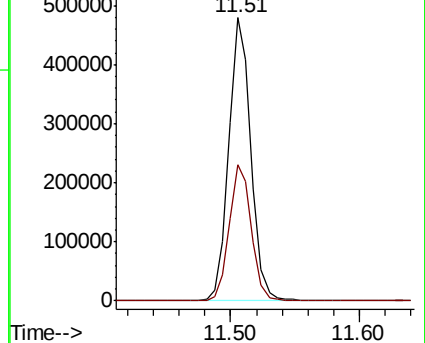
105 100

120 48.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.692 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

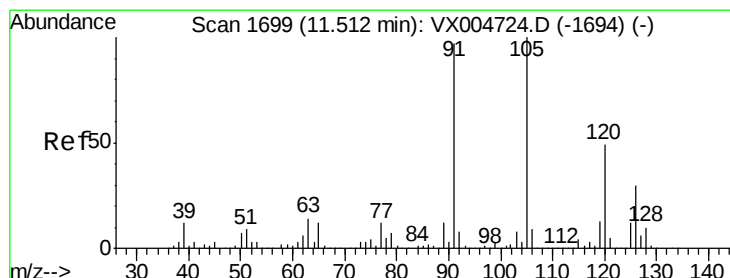
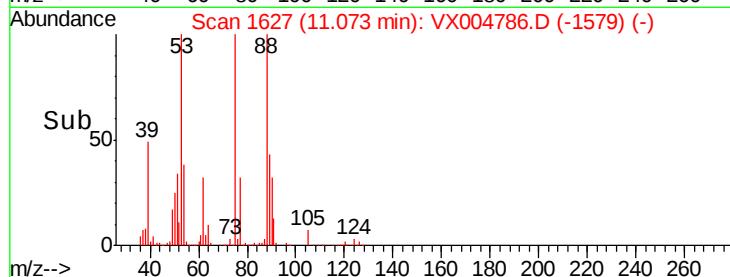
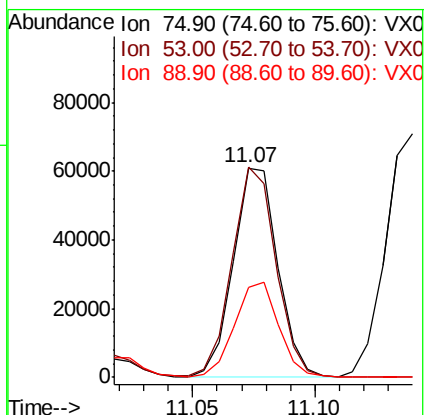
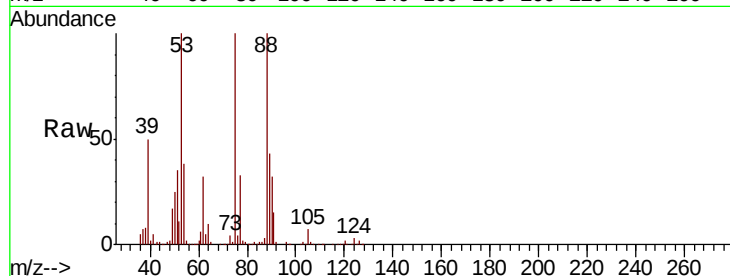
Tot Ion: 75 Resp: 76569

Ion Ratio Lower Upper

75 100

53 99.4 80.1 120.1

89 45.8 37.2 55.8



#82

4-Chlorotoluene

Concen: 52.725 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004786.D

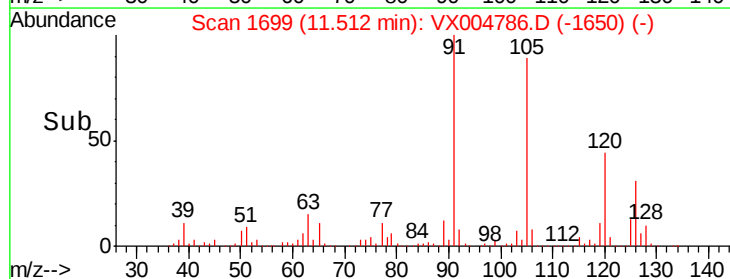
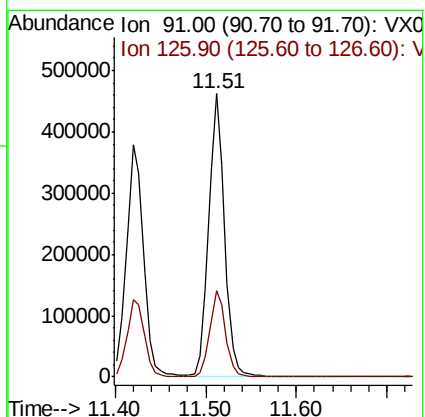
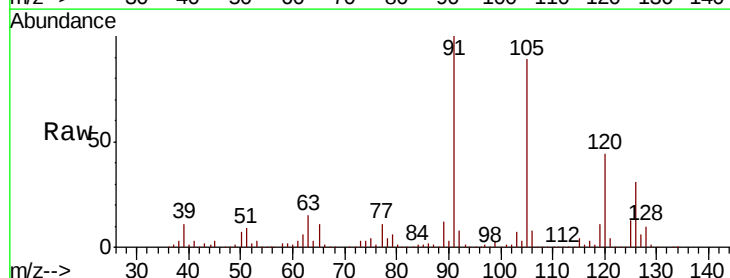
Acq: 27 Sep 2018 20:37

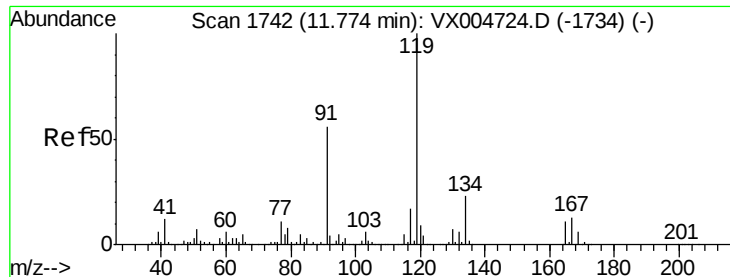
Tgt Ion: 91 Resp: 572703

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5

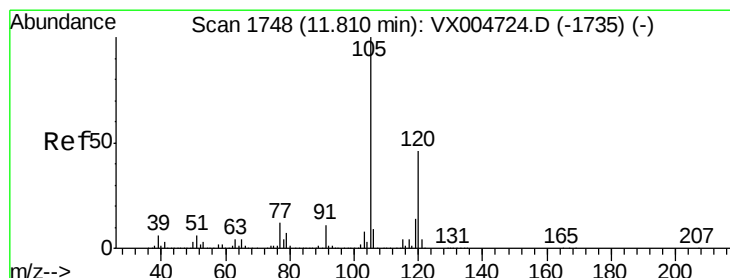
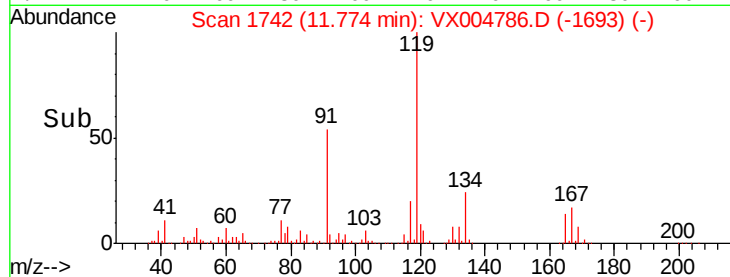
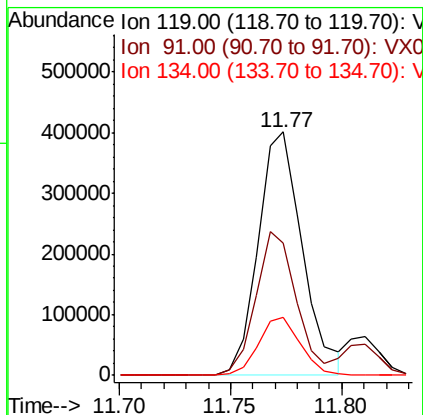
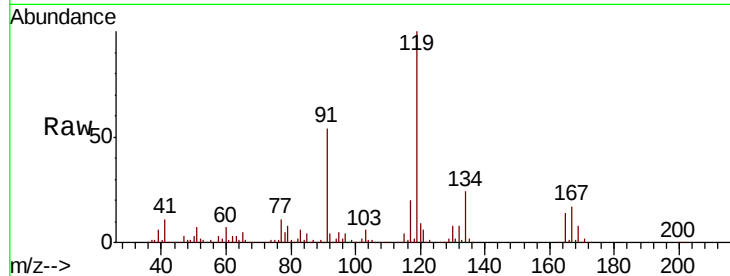




#83
 tert-Butylbenzene
 Concen: 52.130 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

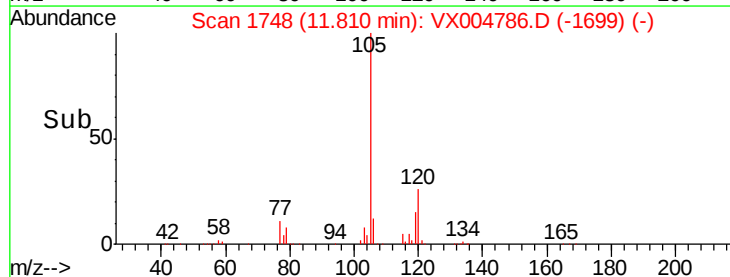
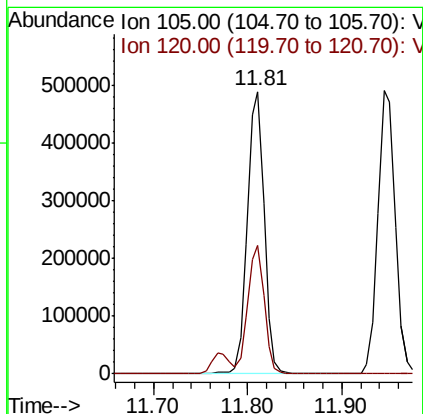
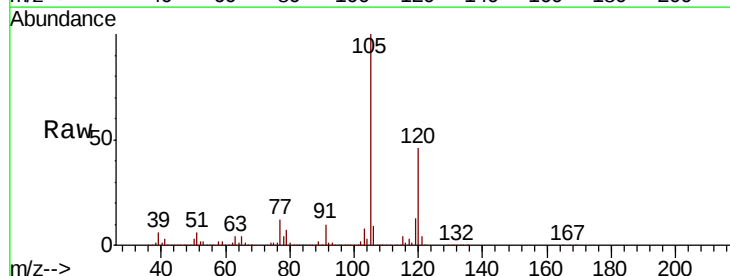
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

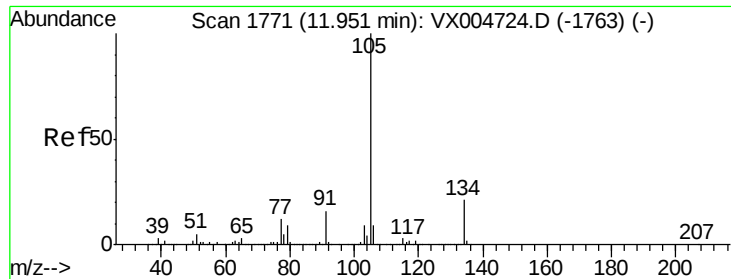
Tot Ion:119 Resp: 553818
 Ion Ratio Lower Upper
 119 100
 91 54.0 27.0 81.0
 134 22.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.021 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion:105 Resp: 610063
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.522 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

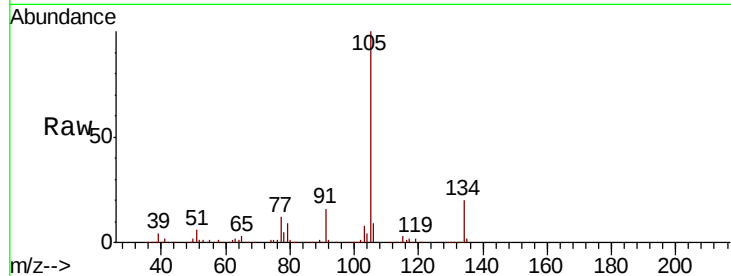
VSTDCCC050EC

Tot Ion:105 Resp: 627882

Ion Ratio Lower Upper

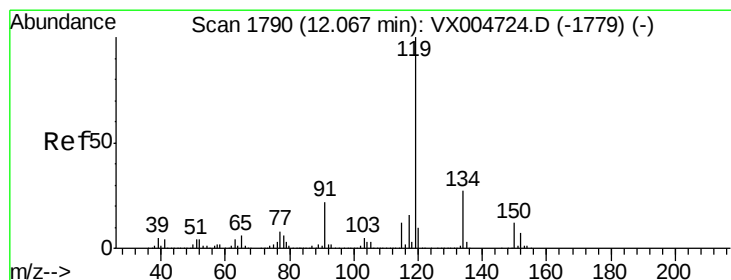
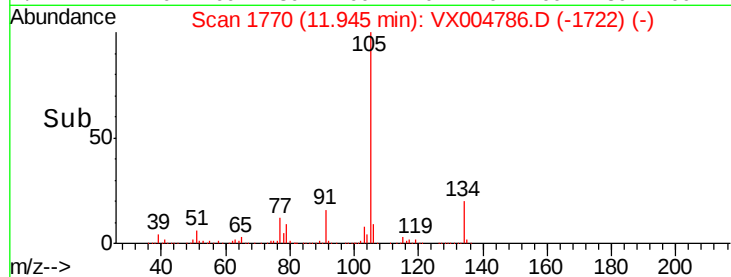
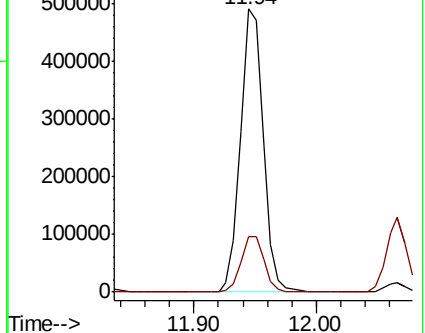
105 100

134 20.1 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: 49.424 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

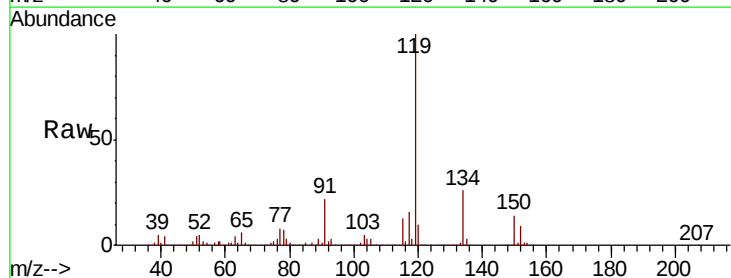
Tgt Ion:119 Resp: 579438

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

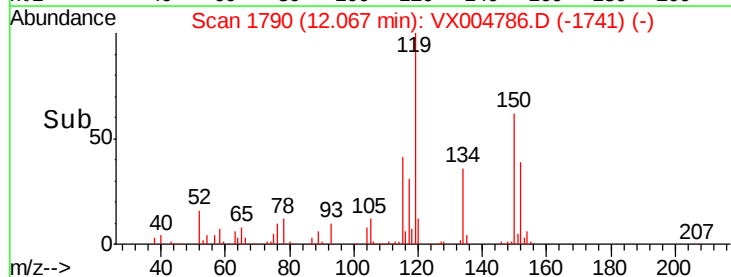
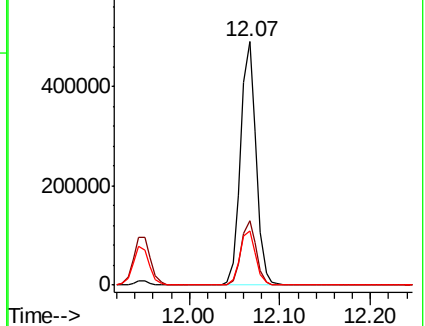
91 22.7 10.9 32.7

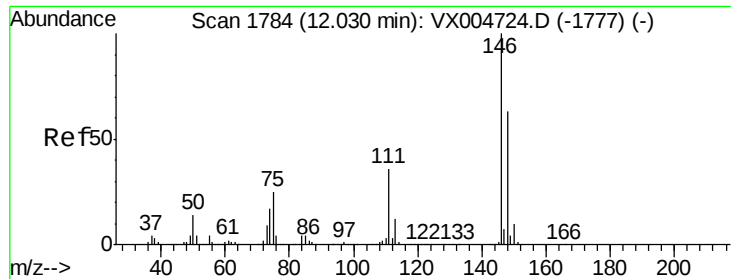


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.185 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

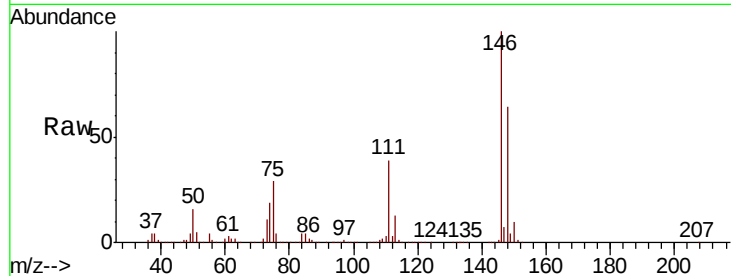
Tot Ion:146 Resp: 351210

Ion Ratio Lower Upper

146 100

111 38.3 18.7 56.1

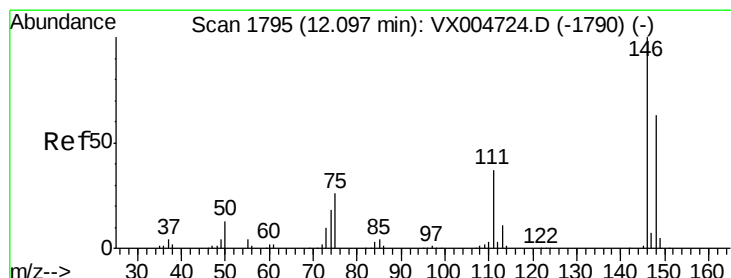
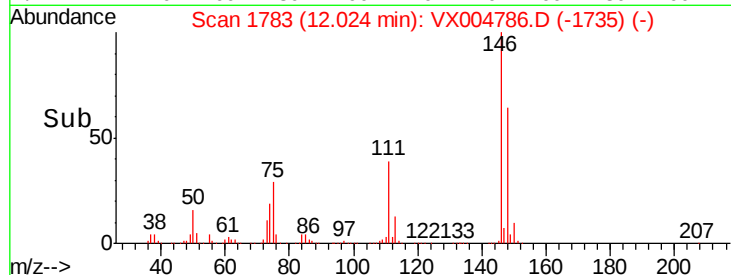
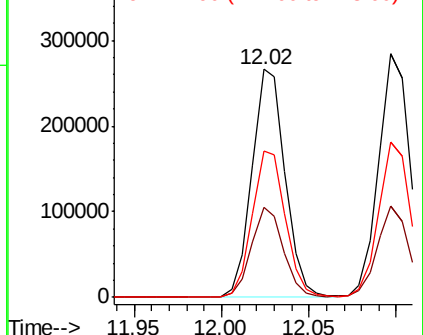
148 64.1 32.1 96.5



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: 49.607 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

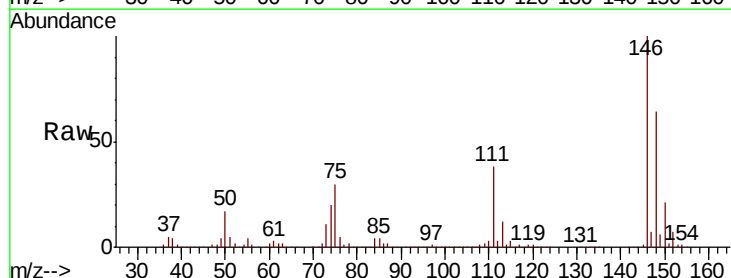
Tgt Ion:146 Resp: 358378

Ion Ratio Lower Upper

146 100

111 37.4 18.1 54.1

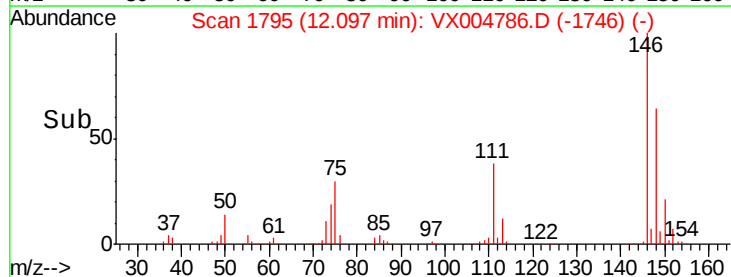
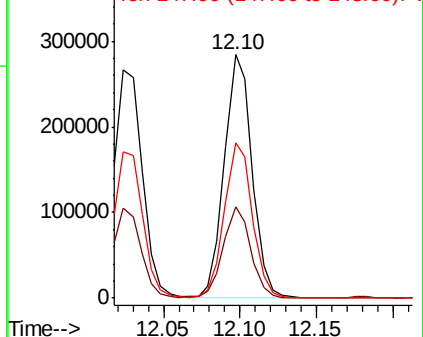
148 64.1 32.0 96.0

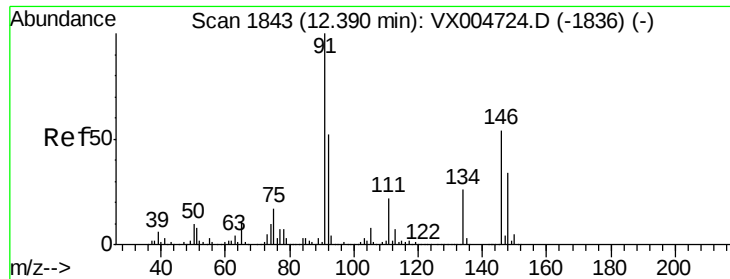


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.977 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004786.D

Acq: 27 Sep 2018 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

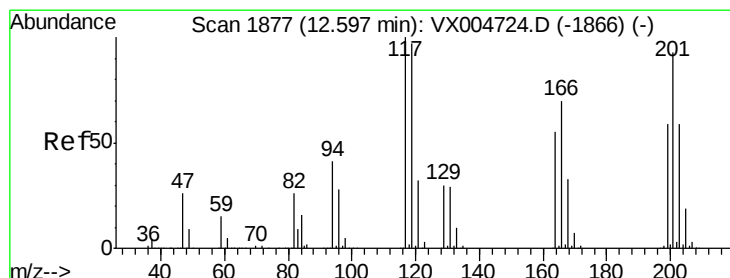
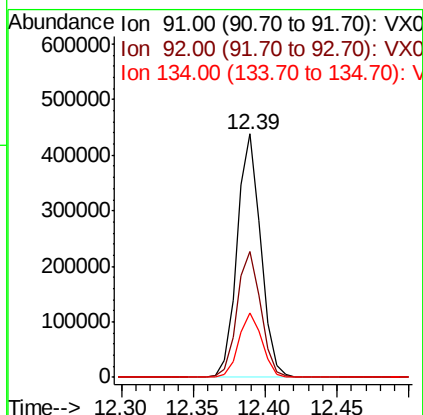
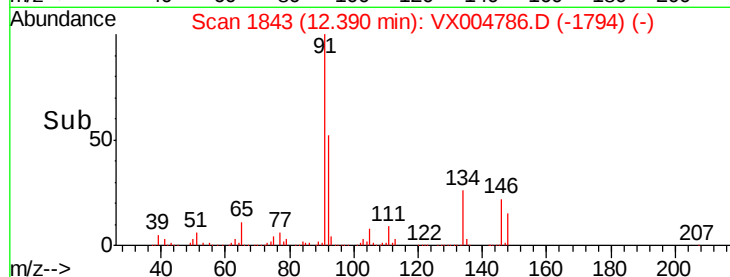
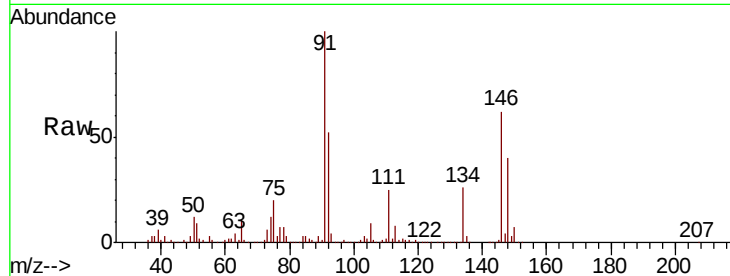
Tot Ion: 91 Resp: 500180

Ion Ratio Lower Upper

91 100

92 52.3 27.3 81.9

134 26.1 13.6 40.7



#90

Hexachloroethane

Concen: 49.874 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX004786.D

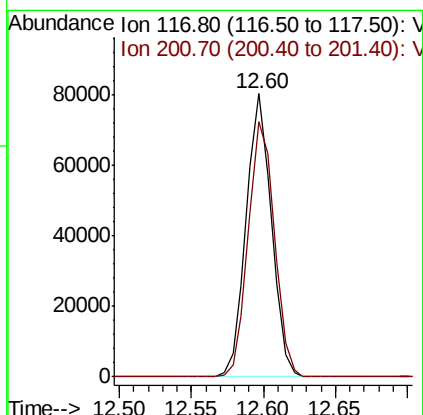
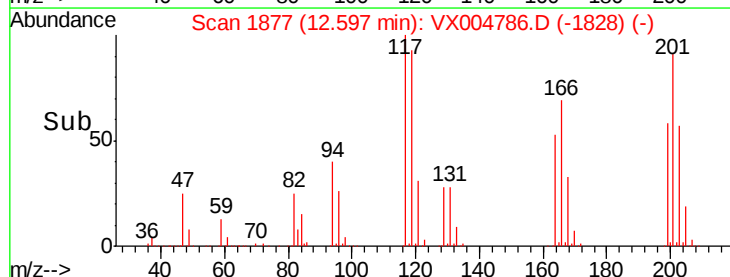
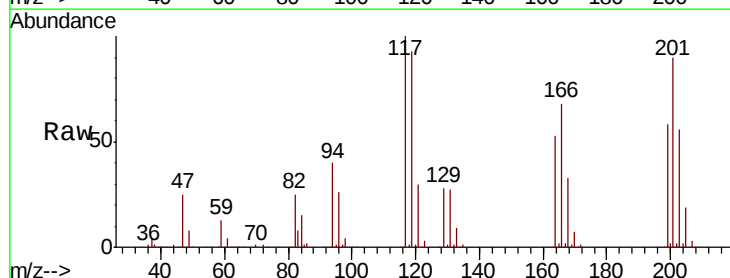
Acq: 27 Sep 2018 20:37

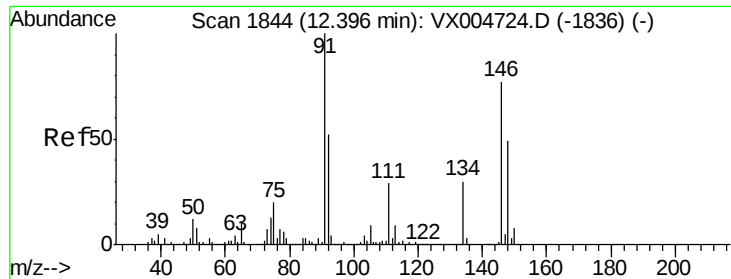
Tgt Ion: 117 Resp: 97353

Ion Ratio Lower Upper

117 100

201 93.3 46.9 140.6

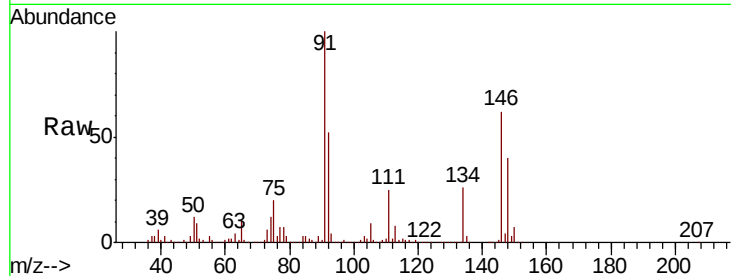




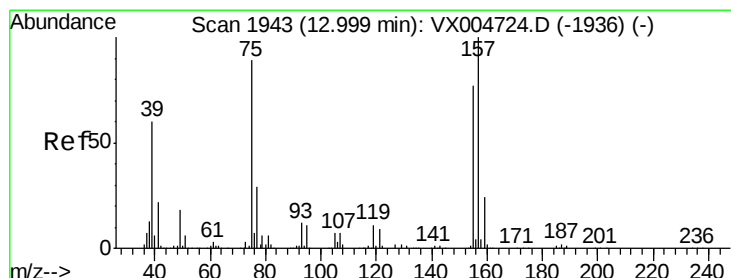
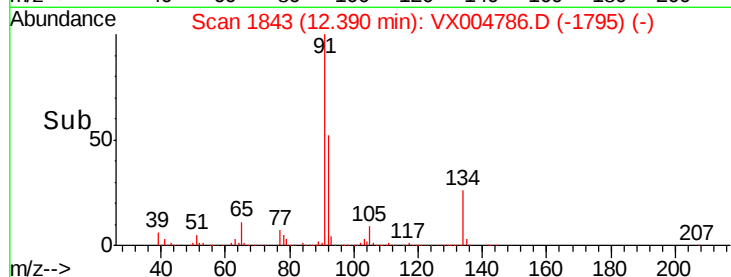
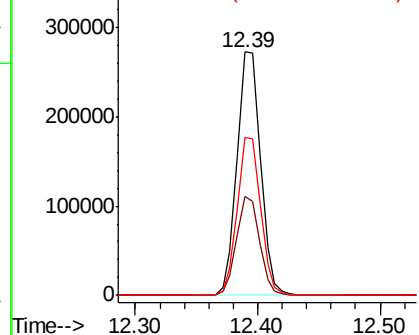
#91
 1,2-Dichlorobenzene
 Concen: 49.321 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 360711
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.1
 148 64.1 32.8 98.3

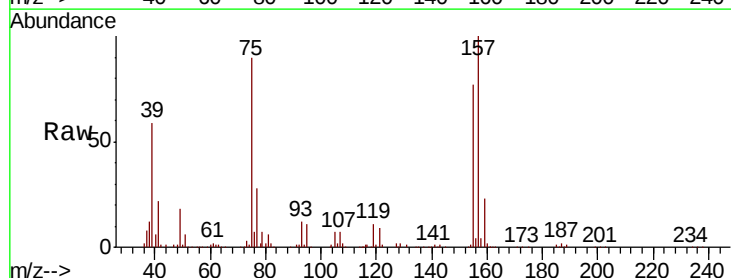


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

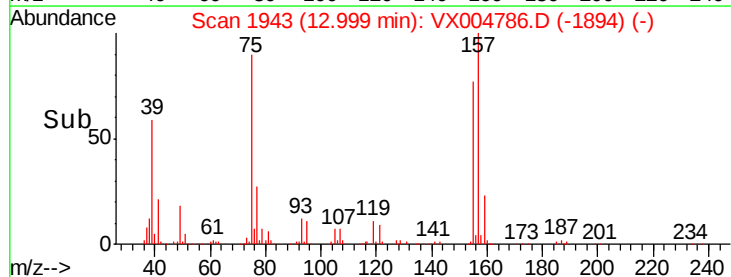
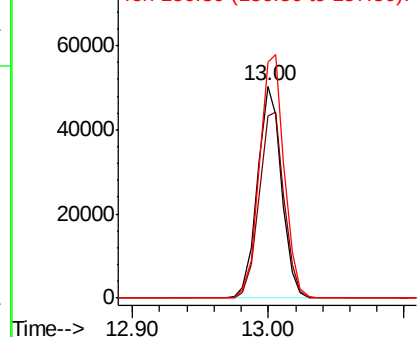


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.259 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion: 75 Resp: 62576
 Ion Ratio Lower Upper
 75 100
 155 91.1 48.0 144.2
 157 118.1 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

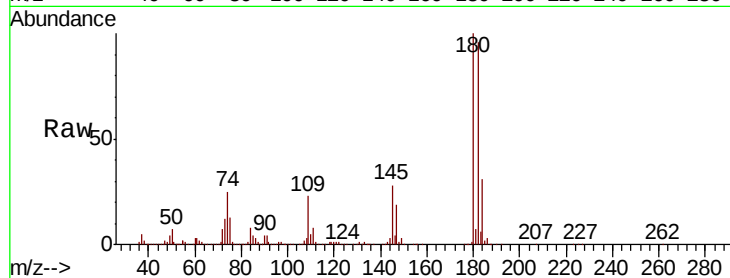




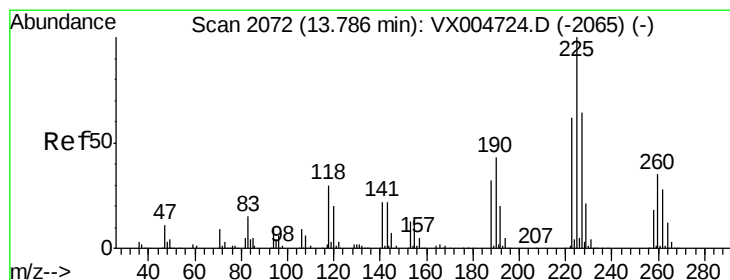
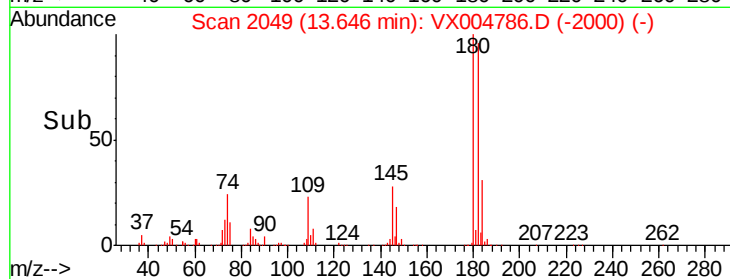
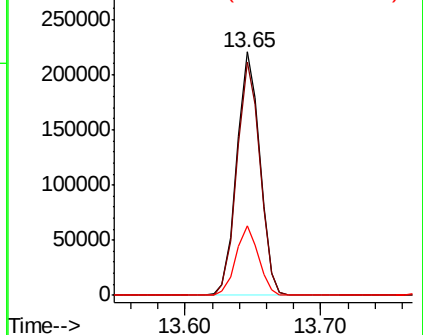
#93
 1,2,4-Trichlorobenzene
 Concen: 50.771 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 260473
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.4 145.0
 145 28.1 14.3 42.9

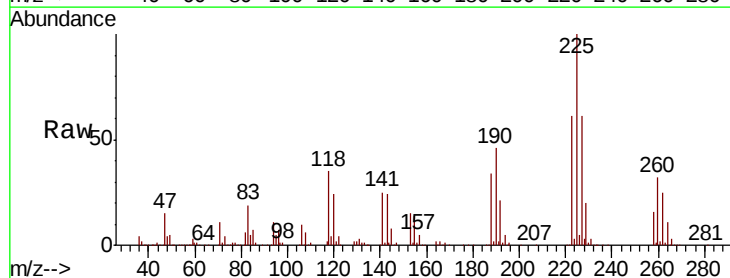


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

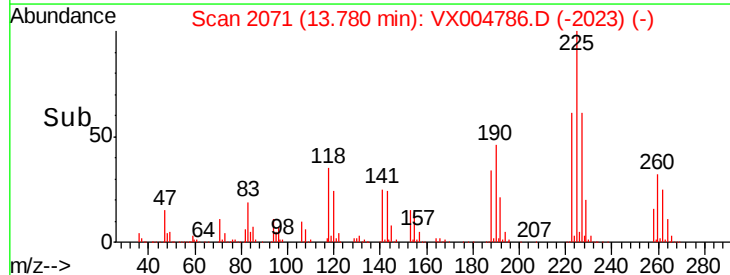
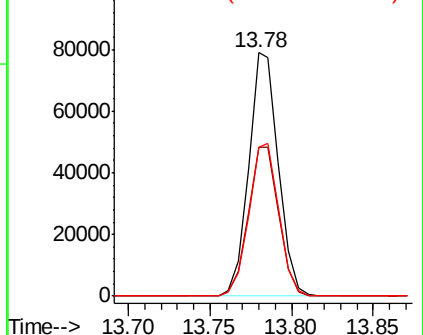


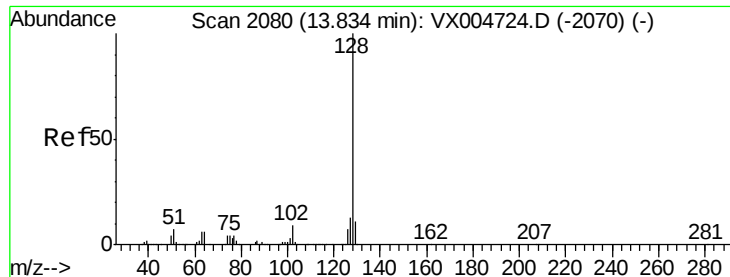
#94
 Hexachlorobutadiene
 Concen: 37.455 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX004786.D
 Acq: 27 Sep 2018 20:37

Tgt Ion:225 Resp: 99643
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.1 90.5
 227 63.3 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

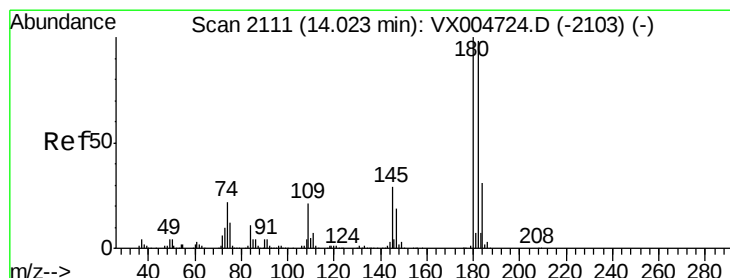
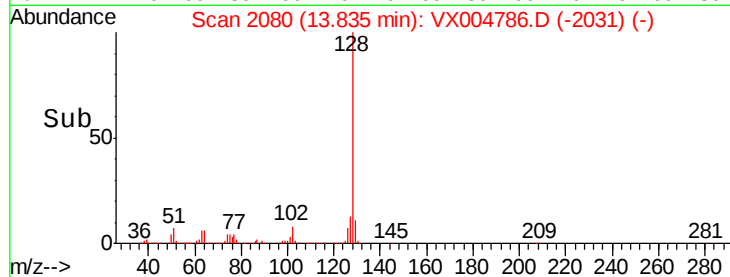
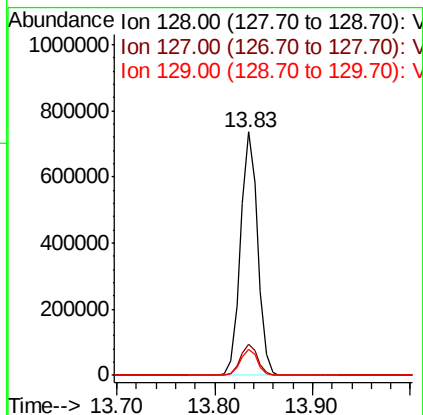
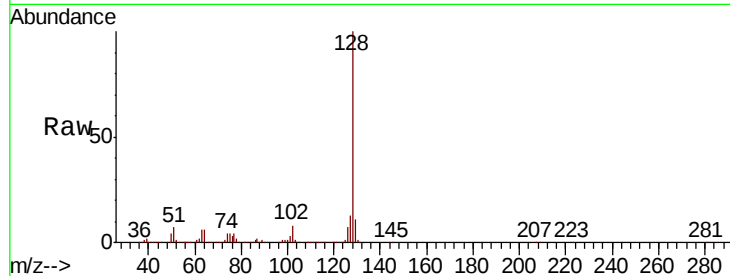




#95
Naphthalene
Concen: 52.228 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 889898
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.906 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004786.D
Acq: 27 Sep 2018 20:37

Tgt Ion:180 Resp: 269789
Ion Ratio Lower Upper
180 100
182 95.8 48.5 145.6
145 30.0 14.9 44.9

