

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004834.D
 Acq On : 28 Sep 2018 20:59
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 29 06:32:24 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	229299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205527	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	165837	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.50	113	134702	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	8.72	98	513408	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.14	95	190728	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	184100	58.885	ug/l	97
3) Chloromethane	1.32	50	197350	52.029	ug/l	98
4) Vinyl Chloride	1.40	62	196103	55.123	ug/l	98
5) Bromomethane	1.64	94	87650	41.548	ug/l	100
6) Chloroethane	1.71	64	112994	58.685	ug/l	96
7) Trichlorofluoromethane	1.92	101	251059	57.004	ug/l	96
8) Diethyl Ether	2.19	74	100750	52.657	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	139445	55.583	ug/l	99
10) Methyl Iodide	2.51	142	104584	31.153	ug/l	99
11) Tert butyl alcohol	3.08	59	242265	264.519	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133963	53.919	ug/l	93
13) Acrolein	2.29	56	119170	182.877	ug/l	96
14) Allyl chloride	2.73	41	301293	55.579	ug/l	94
15) Acrylonitrile	3.15	53	543066	269.354	ug/l	99
16) Acetone	2.45	43	473836	247.780	ug/l	96
17) Carbon Disulfide	2.57	76	388463	52.033	ug/l	99
18) Methyl Acetate	2.78	43	281104	58.018	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	485281	56.626	ug/l	96
20) Methylene Chloride	2.85	84	154885	55.803	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	143606	52.801	ug/l	95
22) Diisopropyl ether	3.87	45	512645	56.159	ug/l	95
23) Vinyl Acetate	3.82	43	2272917	272.013	ug/l	96
24) 1,1-Dichloroethane	3.70	63	289328	53.134	ug/l	95
25) 2-Butanone	4.70	43	731034	259.340	ug/l	94
26) 2,2-Dichloropropane	4.58	77	186230	49.113	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	158597	52.199	ug/l	95
28) Bromochloromethane	5.01	49	128767	50.216	ug/l	89
29) Tetrahydrofuran	5.15	42	480561	274.293	ug/l	92
30) Chloroform	5.21	83	266424	51.770	ug/l	98
31) Cyclohexane	5.57	56	244676	58.708	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	224704	53.464	ug/l	99
36) 1,1-Dichloropropene	5.79	75	199823	49.707	ug/l	99
37) Ethyl Acetate	4.86	43	261633	49.030	ug/l	98
38) Carbon Tetrachloride	5.78	117	199454	47.200	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	233973	56.999	ug/l	95
40) Benzene	6.14	78	605734	48.130	ug/l	100
41) Methacrylonitrile	5.06	41	150237	50.768	ug/l #	58
42) 1,2-Dichloroethane	6.20	62	214954	48.315	ug/l	97
43) Isopropyl Acetate	6.46	43	393779	51.128	ug/l	96
44) Trichloroethene	7.21	130	158143	51.115	ug/l	92
45) 1,2-Dichloropropane	7.52	63	162096	52.521	ug/l	99
46) Dibromomethane	7.66	93	103656	53.441	ug/l	97
47) Bromodichloromethane	7.90	83	197609	54.415	ug/l	97
48) Methyl methacrylate	7.77	41	205712	58.846	ug/l	94
49) 1,4-Dioxane	7.76	88	89104	1025.969	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1401601	289.022	ug/l	95
52) Toluene	8.79	92	377622	54.606	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	222013	54.100	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	244364	56.851	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	154752	51.087	ug/l	98
56) Ethyl methacrylate	9.18	69	248815	50.583	ug/l	94
57) 1,3-Dichloropropane	9.37	76	264052	52.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	676516	258.670	ug/l	93
59) 2-Hexanone	9.50	43	1102375	272.788	ug/l	94
60) Dibromochloromethane	9.59	129	159701	52.717	ug/l	100
61) 1,2-Dibromoethane	9.67	107	161785	49.870	ug/l	100
64) Tetrachloroethene	9.34	164	151254	46.376	ug/l	97
65) Chlorobenzene	10.14	112	418155	49.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	150360	50.333	ug/l	99
67) Ethyl Benzene	10.26	91	722577	53.561	ug/l	98
68) m/p-Xylenes	10.36	106	557877	105.824	ug/l	95
69) o-Xylene	10.70	106	269095	55.574	ug/l	96
70) Styrene	10.71	104	460526	50.816	ug/l	98
71) Bromoform	10.86	173	130561	51.050	ug/l	99
73) Isopropylbenzene	11.02	105	726212	56.058	ug/l	99
74) N-amyl acetate	10.90	43	361985	50.808	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	257540	48.837	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	295200	64.082	ug/l	88
77) Bromobenzene	11.26	156	194076	51.578	ug/l	97
78) n-propylbenzene	11.36	91	838370	56.403	ug/l	99
79) 2-Chlorotoluene	11.42	91	498527	53.808	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	620730	52.288	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	73685	43.879	ug/l	100
82) 4-Chlorotoluene	11.51	91	591794	54.267	ug/l	99
83) tert-Butylbenzene	11.77	119	606133	56.829	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	638761	52.175	ug/l	98
85) sec-Butylbenzene	11.94	105	733420	56.454	ug/l	98
86) p-Isopropyltoluene	12.07	119	663075	56.334	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	356743	50.773	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	358768	49.464	ug/l	98
89) n-Butylbenzene	12.39	91	592203	55.399	ug/l	97
90) Hexachloroethane	12.60	117	105318	53.741	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	362969	49.433	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61957	53.509	ug/l	96

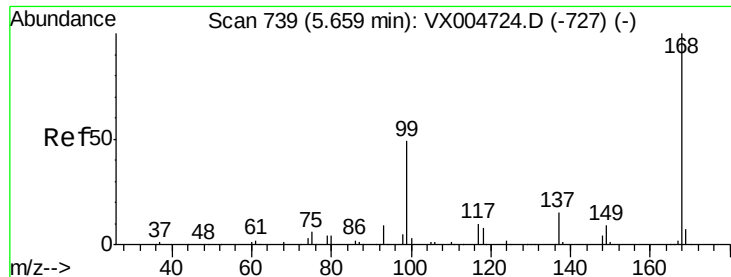
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	269817	52.384	ug/l	99
94) Hexachlorobutadiene	13.79	225	127382	47.692	ug/l	97
95) Naphthalene	13.83	128	872328	51.011	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	277450	52.144	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: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

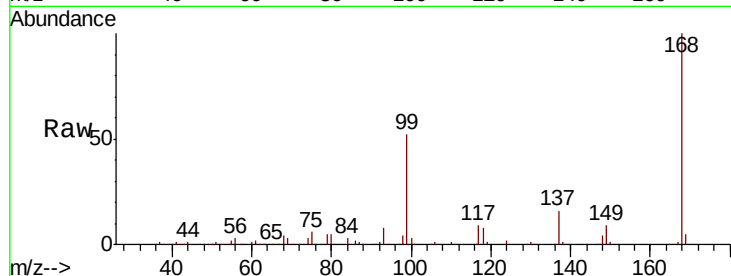
VSTDCCC050EC

Tot Ion:168 Resp: 229299

Ion Ratio Lower Upper

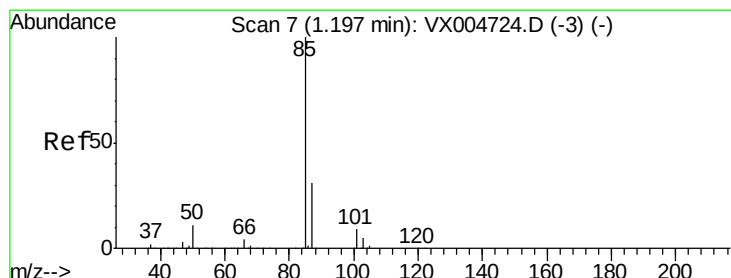
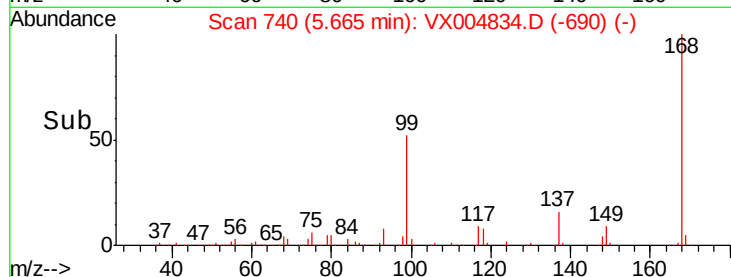
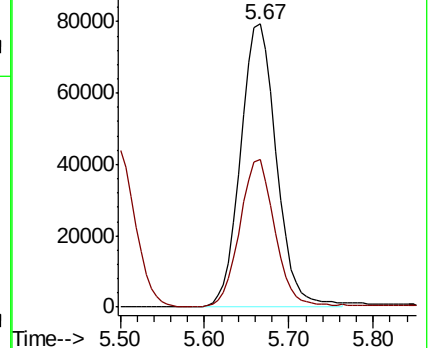
168 100

99 52.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.885 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004834.D

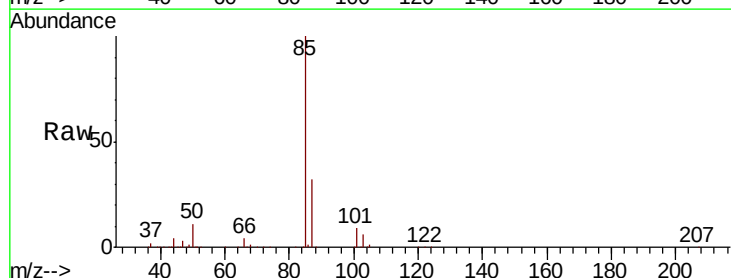
Acq: 28 Sep 2018 20:59

Tgt Ion: 85 Resp: 184100

Ion Ratio Lower Upper

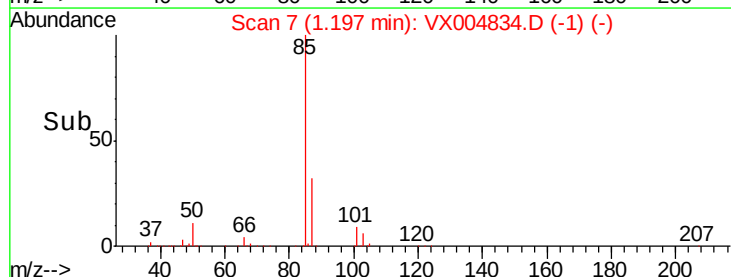
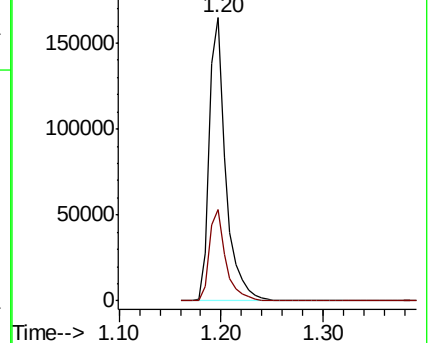
85 100

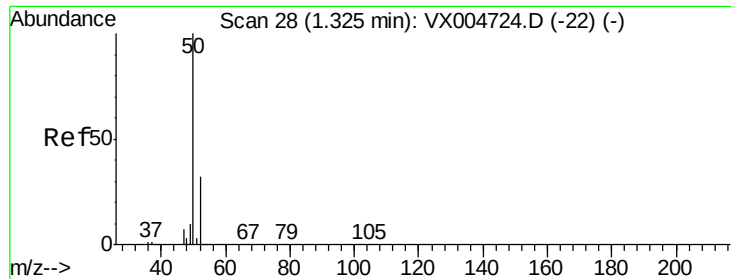
87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.029 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

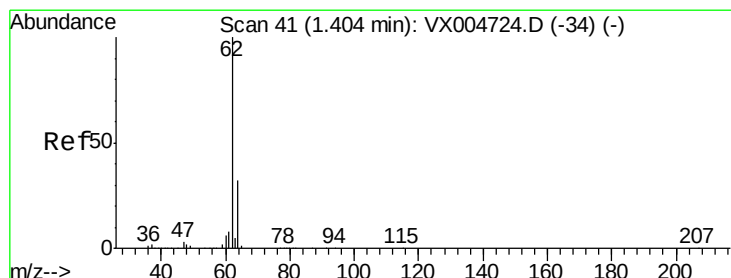
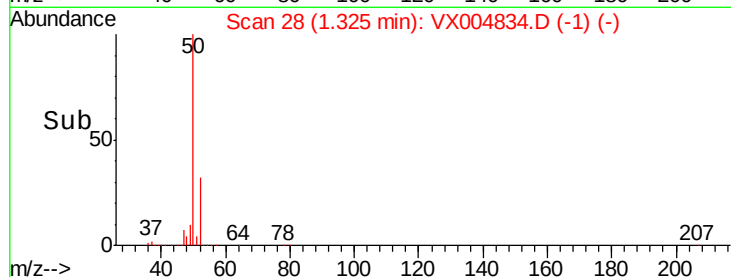
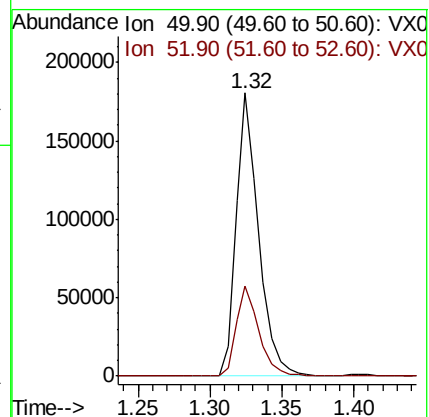
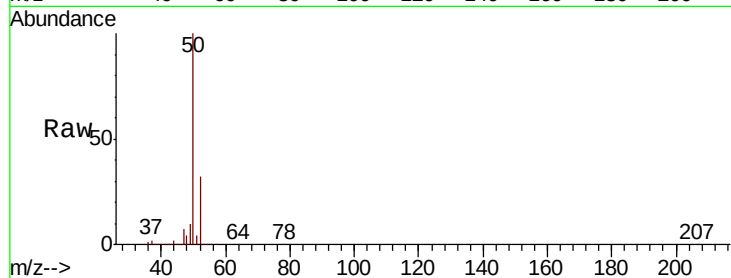
VSTDCCC050EC

Tot Ion: 50 Resp: 197350

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 55.123 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004834.D

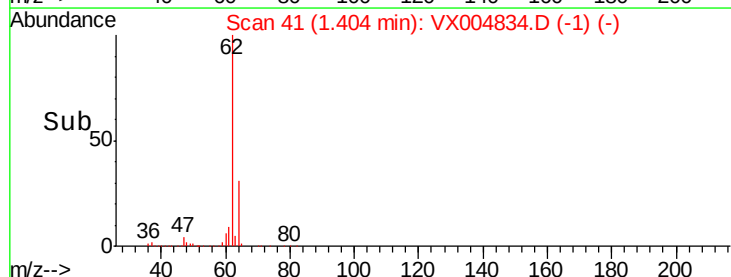
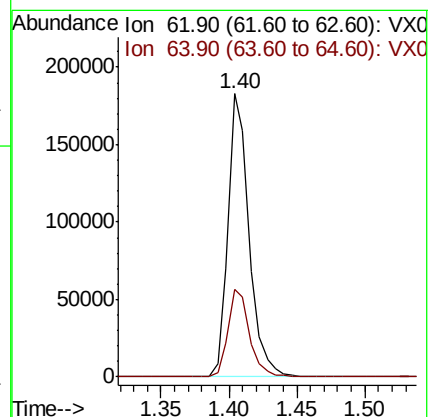
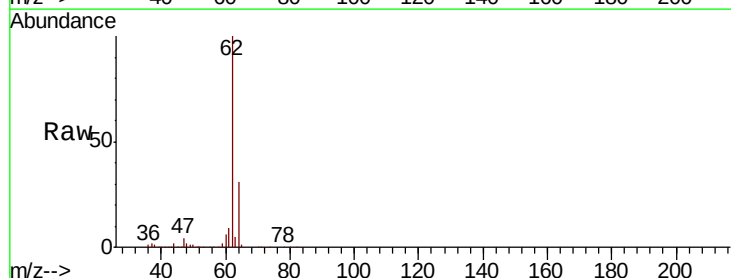
Acq: 28 Sep 2018 20:59

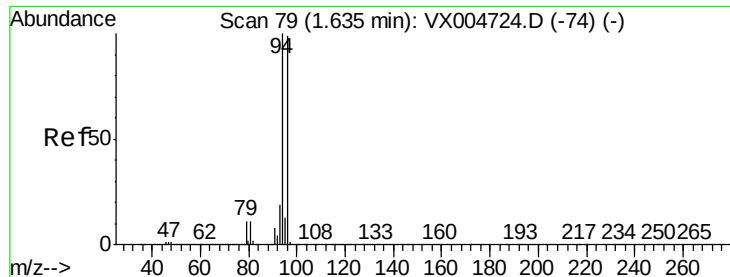
Tgt Ion: 62 Resp: 196103

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 41.548 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

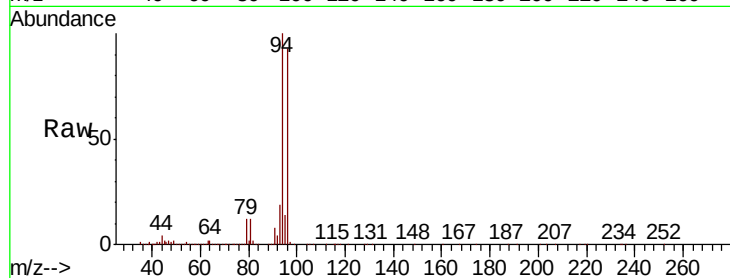
VSTDCCC050EC

Tot Ion: 94 Resp: 87650

Ion Ratio Lower Upper

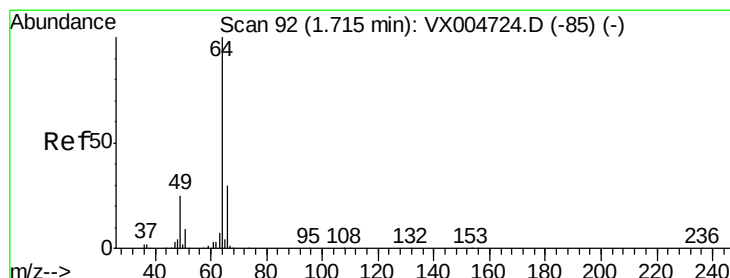
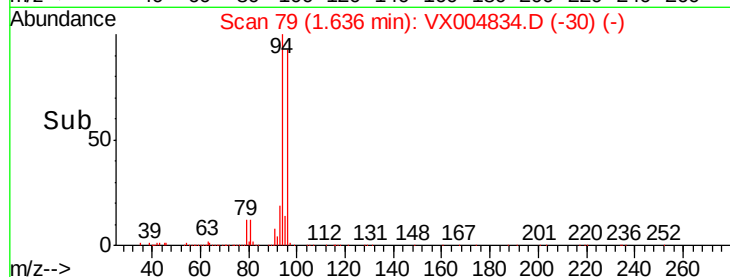
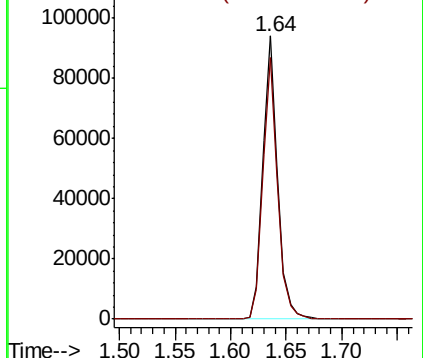
94 100

96 92.6 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: 58.685 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004834.D

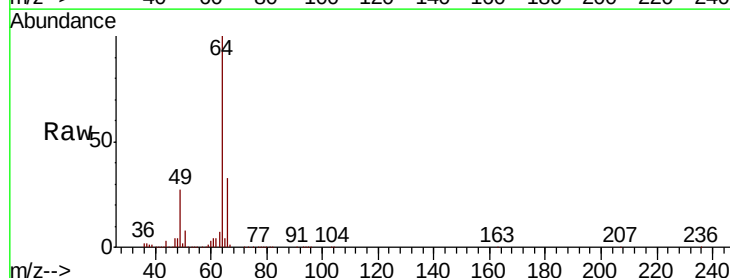
Acq: 28 Sep 2018 20:59

Tgt Ion: 64 Resp: 112994

Ion Ratio Lower Upper

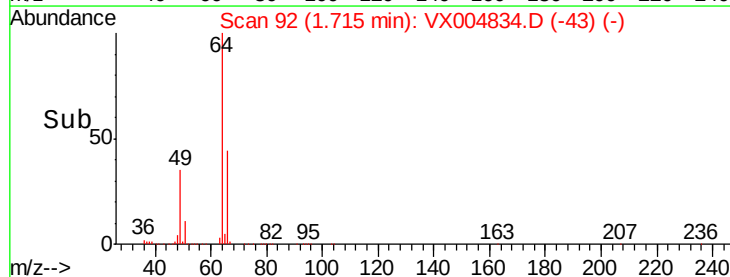
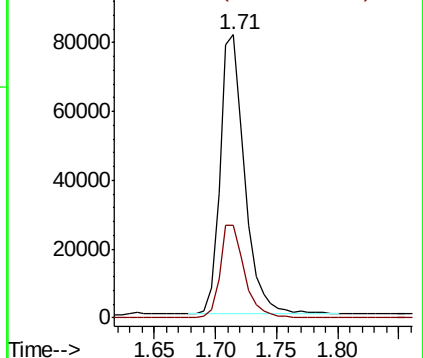
64 100

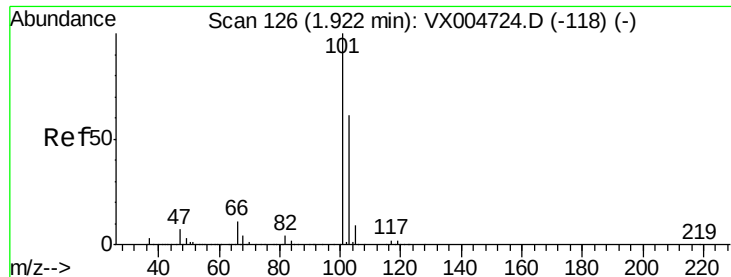
66 32.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



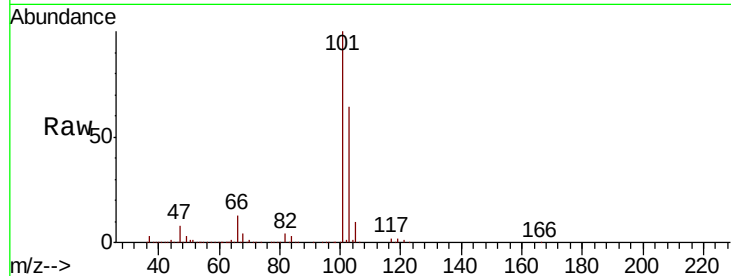


#7

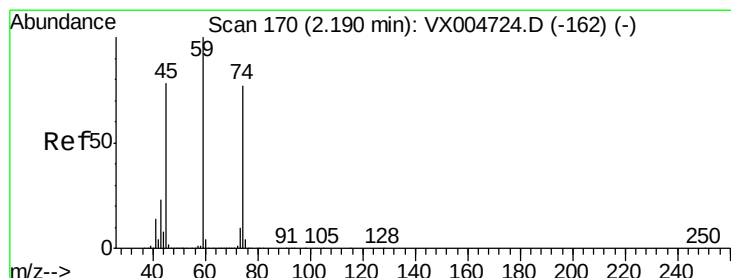
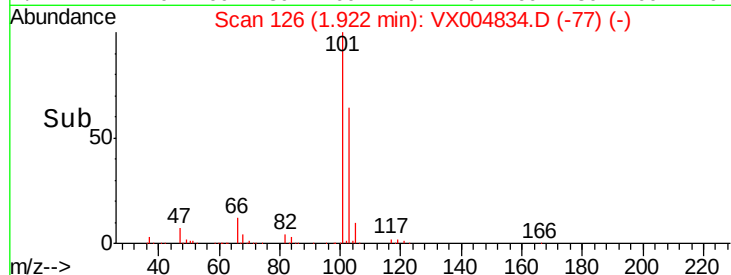
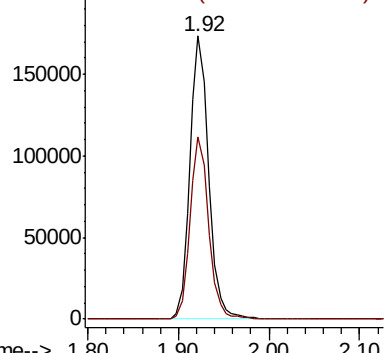
Trichlorofluoromethane
 Concen: 57.004 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 251059
 Ion Ratio Lower Upper
 101 100
 103 64.3 48.9 73.3



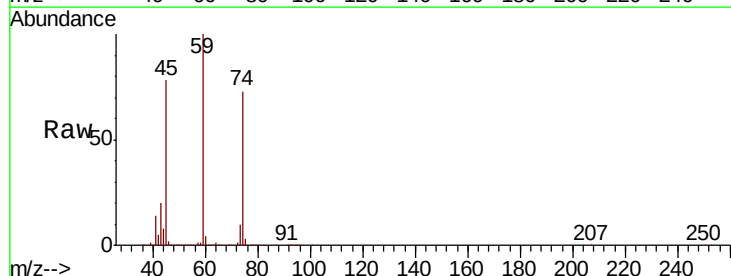
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



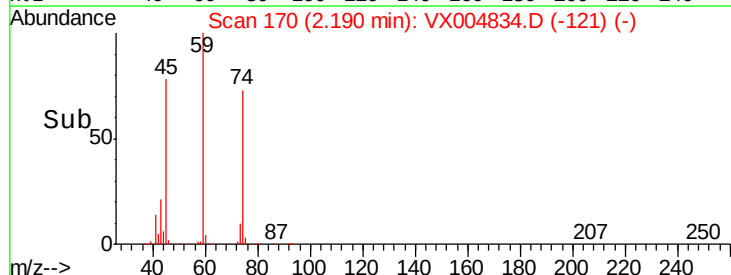
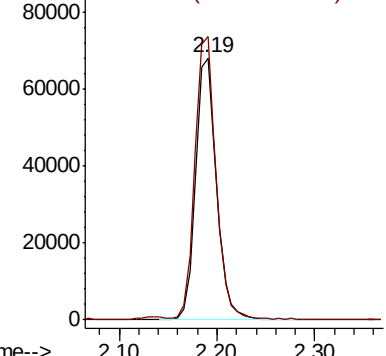
#8

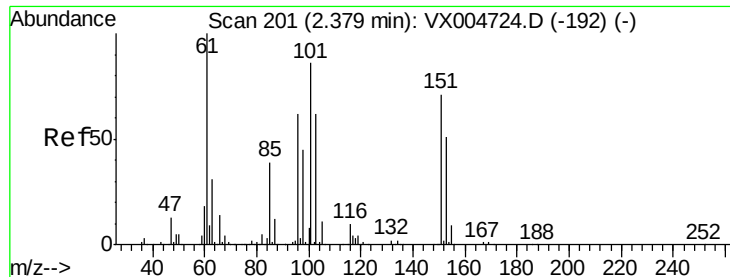
Diethyl Ether
 Concen: 52.657 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion: 74 Resp: 100750
 Ion Ratio Lower Upper
 74 100
 45 108.5 48.3 144.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.583 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

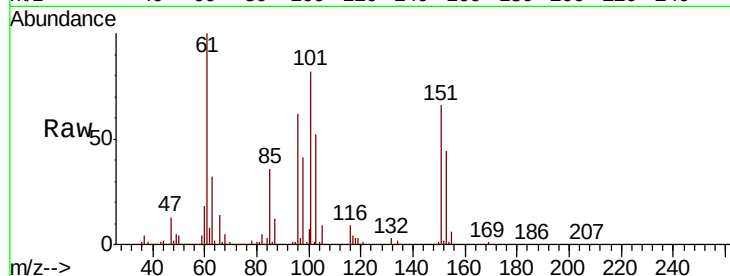
Tot Ion:101 Resp: 139445

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.4

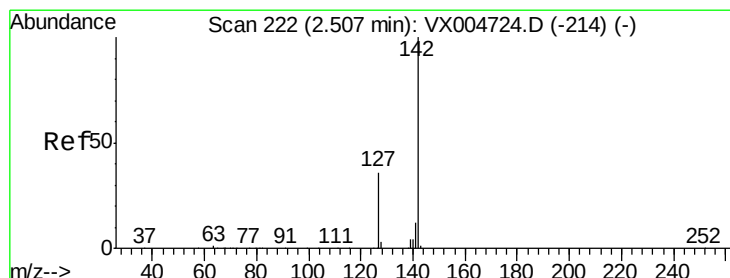
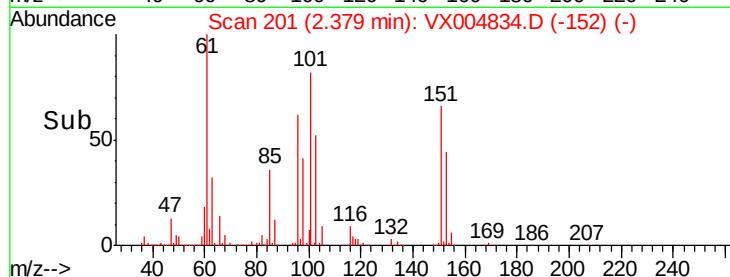
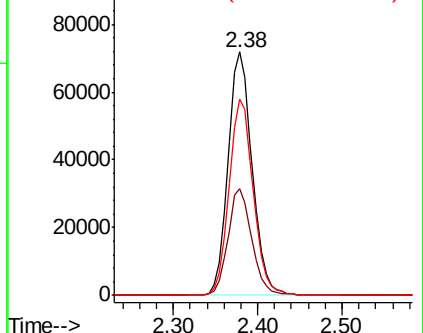
151 81.0 65.0 97.6



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: 31.153 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

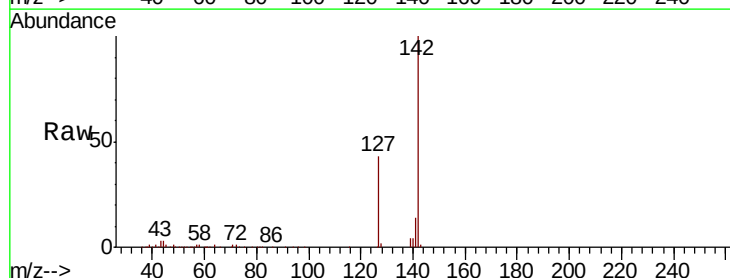
Tgt Ion:142 Resp: 104584

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

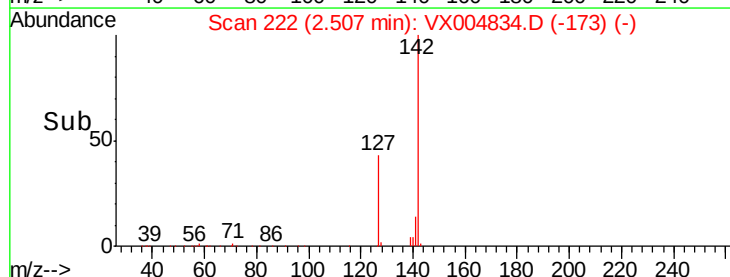
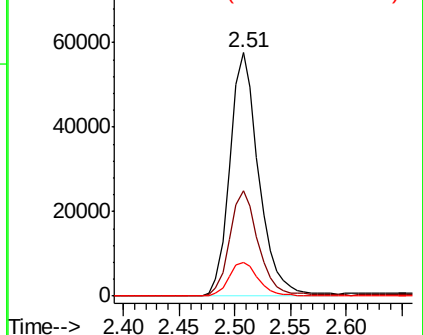
141 14.3 11.4 17.0

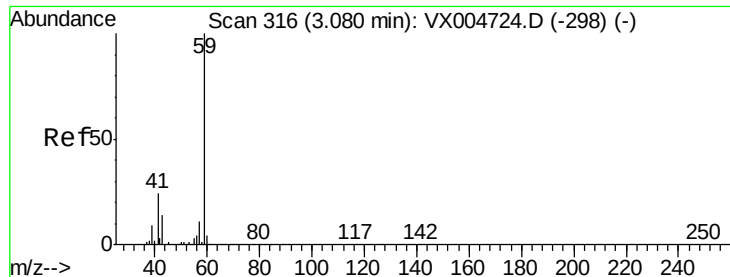


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

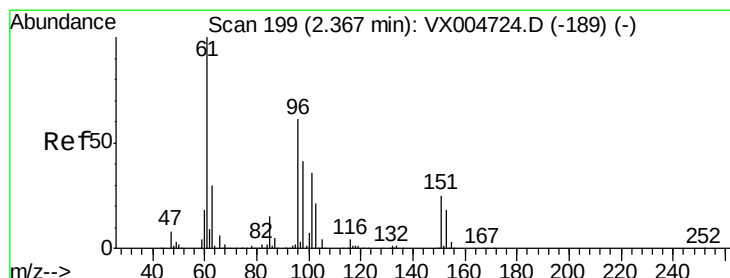
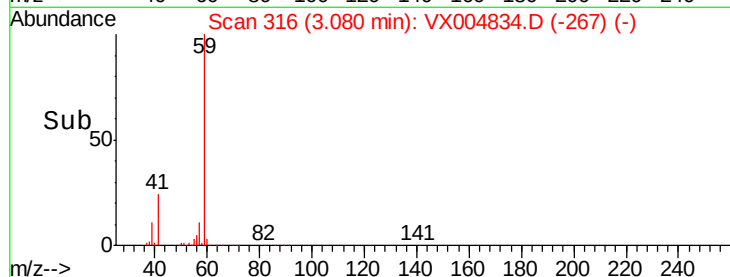
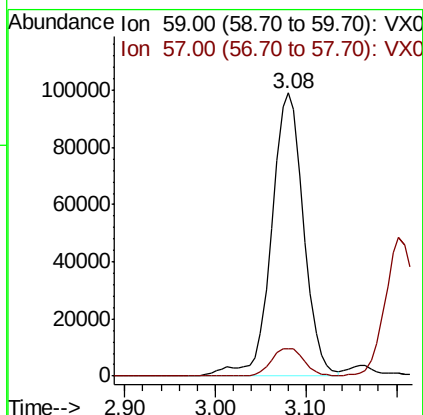
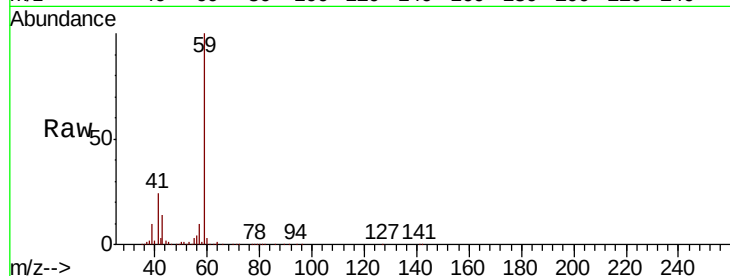




#11
Tert butyl alcohol
Concen: 264.519 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

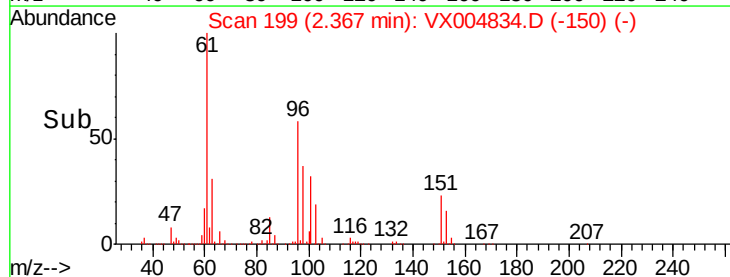
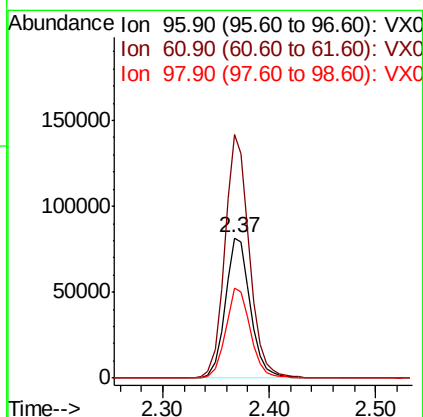
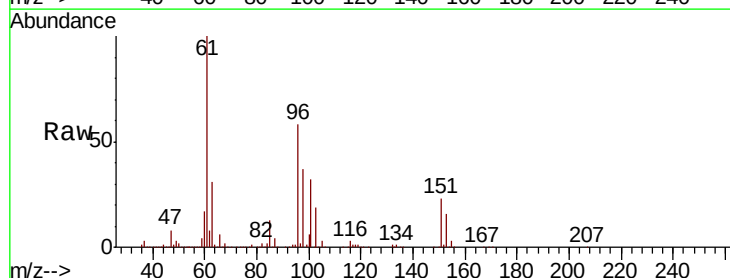
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

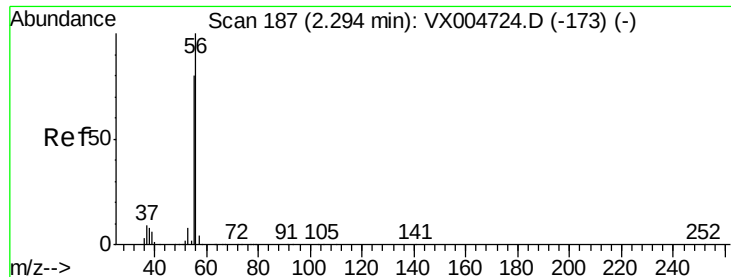
Tot Ion: 59 Resp: 242265
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4



#12
1,1-Dichloroethene
Concen: 53.919 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 96 Resp: 133963
Ion Ratio Lower Upper
96 100
61 173.3 128.8 193.2
98 64.2 52.2 78.2





#13

Acrolein

Concen: 182.877 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

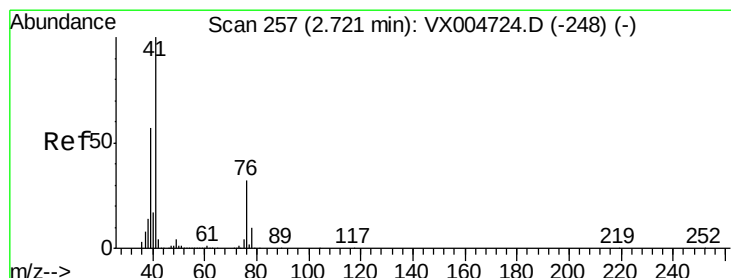
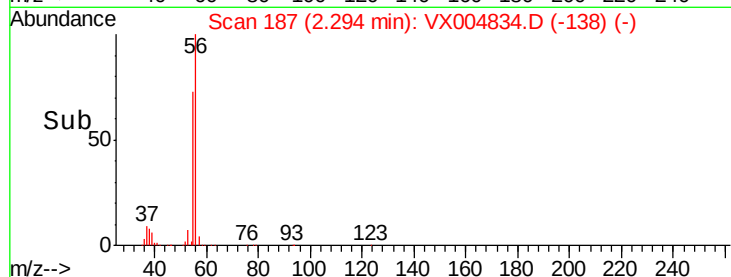
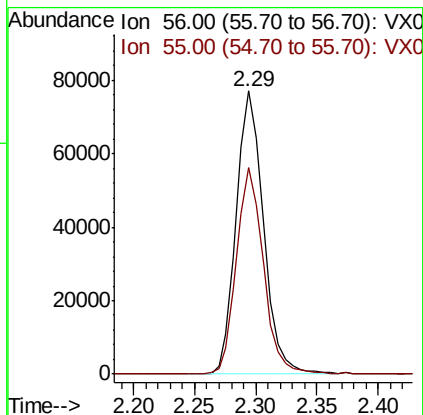
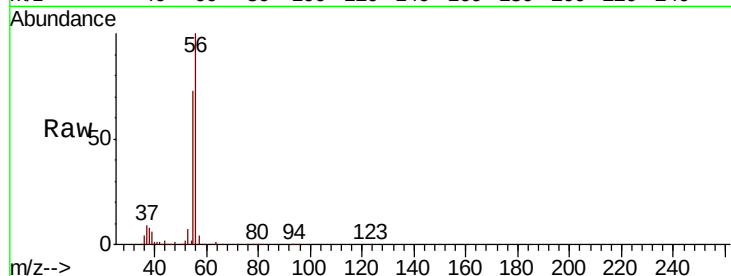
VSTDCCC050EC

Tot Ion: 56 Resp: 119170

Ion Ratio Lower Upper

56 100

55 72.0 54.7 82.1



#14

Allyl chloride

Concen: 55.579 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

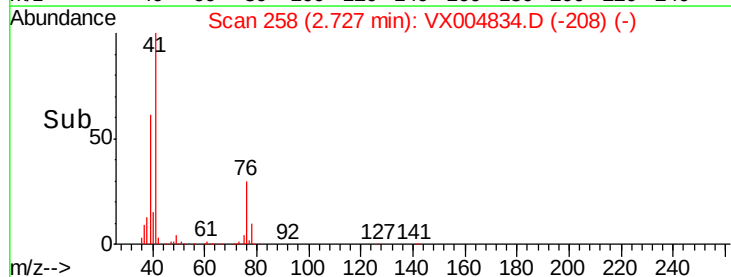
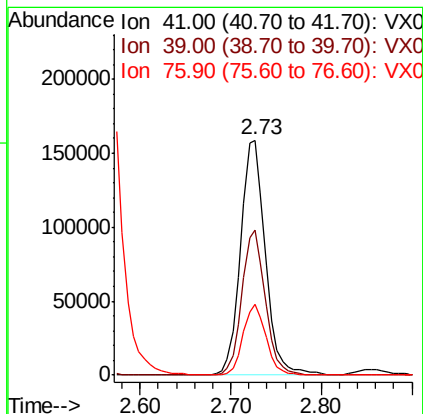
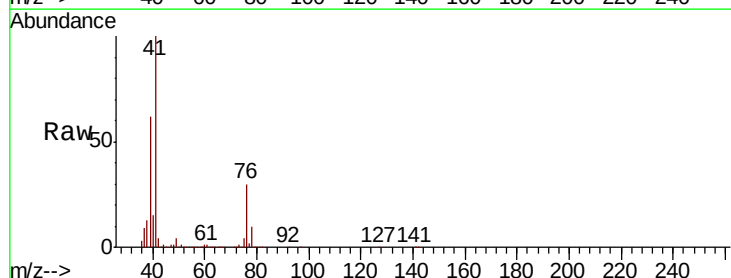
Tgt Ion: 41 Resp: 301293

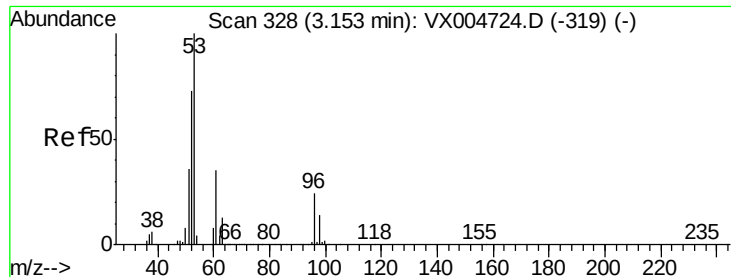
Ion Ratio Lower Upper

41 100

39 58.2 48.9 73.3

76 27.9 26.7 40.1





#15

Acrylonitrile

Concen: 269.354 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

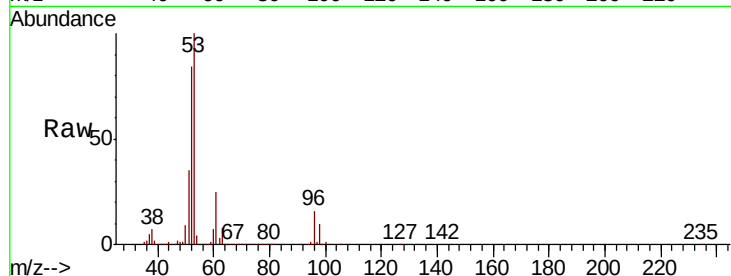
Tot Ion: 53 Resp: 543066

Ion Ratio Lower Upper

53 100

52 82.6 65.2 97.8

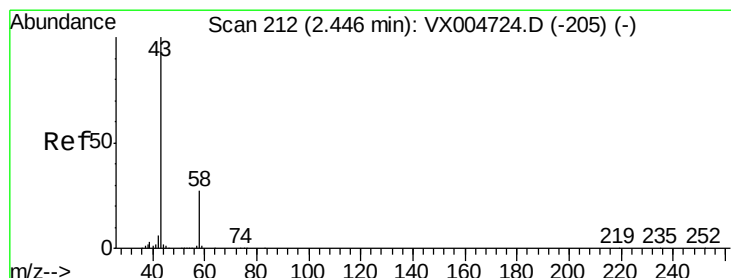
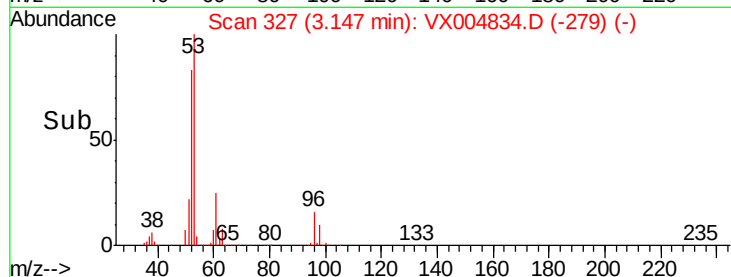
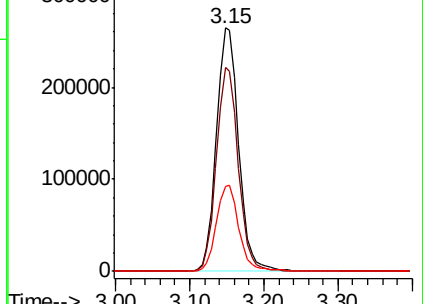
51 35.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 247.780 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004834.D

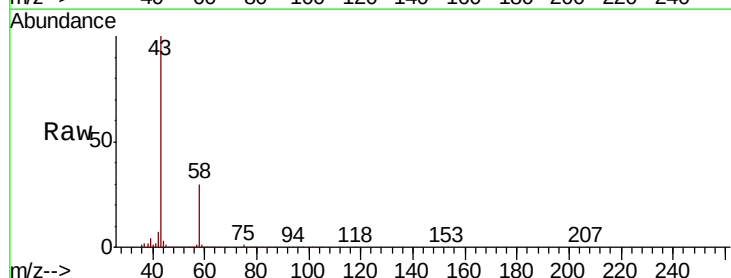
Acq: 28 Sep 2018 20:59

Tgt Ion: 43 Resp: 473836

Ion Ratio Lower Upper

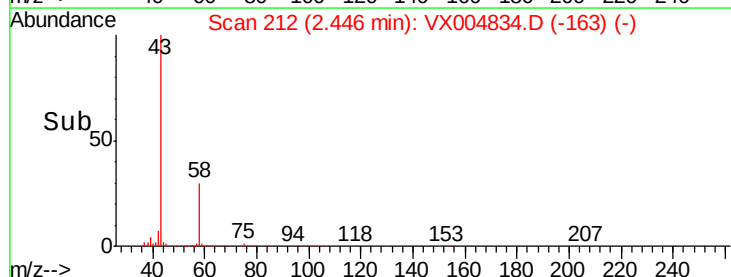
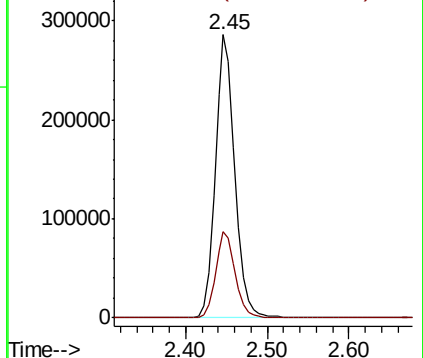
43 100

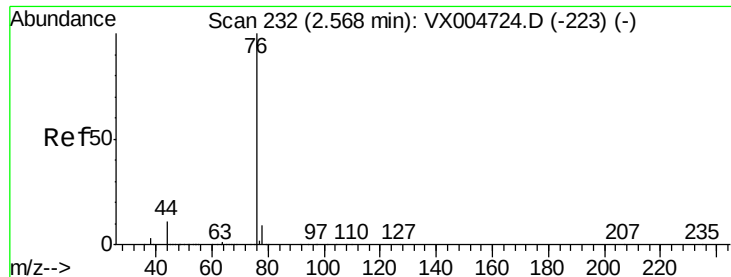
58 30.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

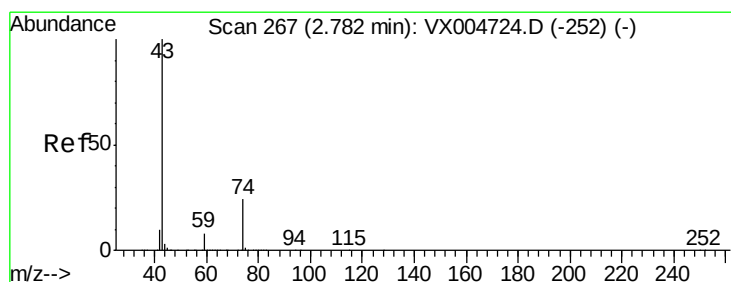
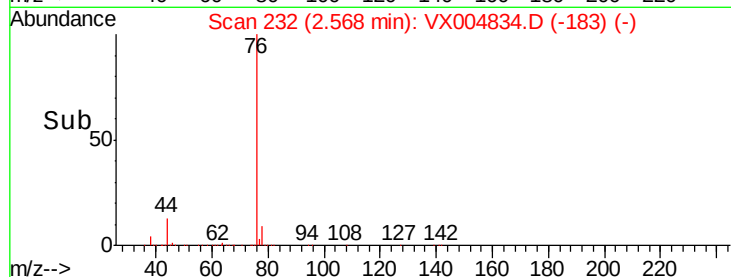
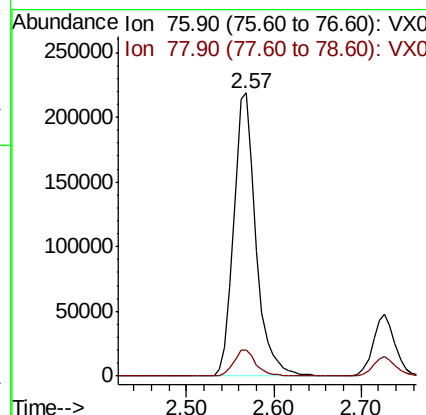
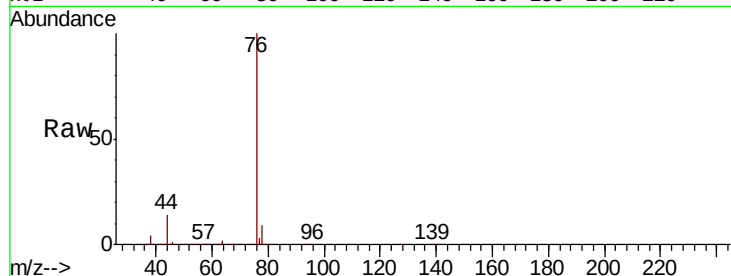




#17
Carbon Disulfide
Concen: 52.033 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

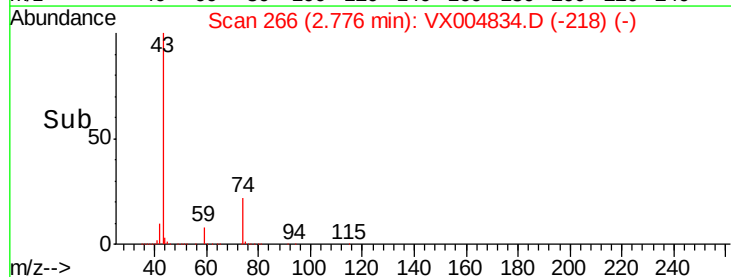
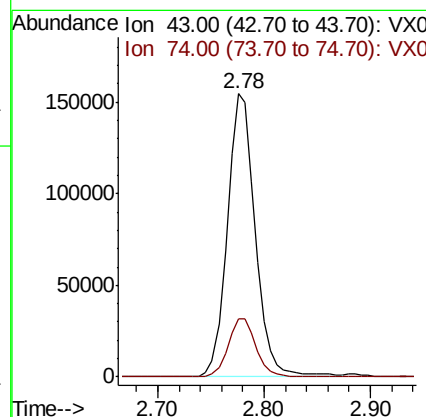
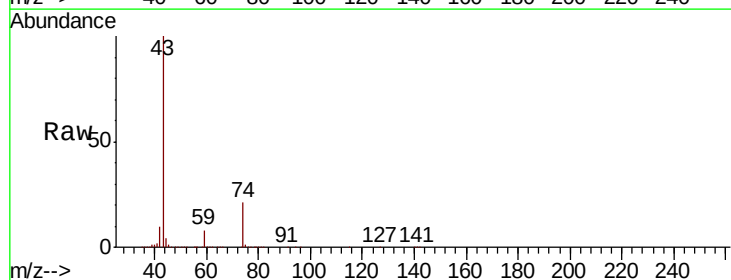
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

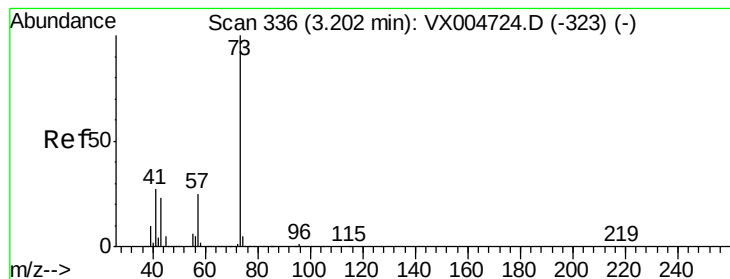
Tot Ion: 76 Resp: 388463
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 58.018 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 43 Resp: 281104
Ion Ratio Lower Upper
43 100
74 20.7 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 56.626 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

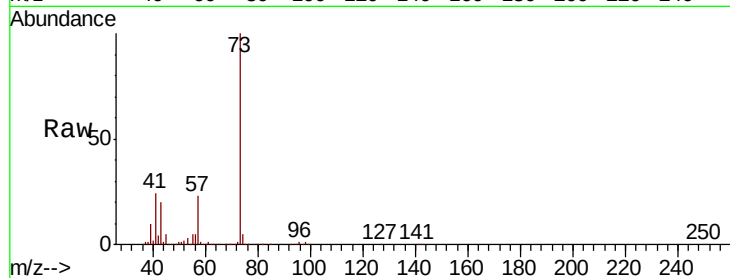
VSTDCCC050EC

Tot Ion: 73 Resp: 485281

Ion Ratio Lower Upper

73 100

57 23.2 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

200000

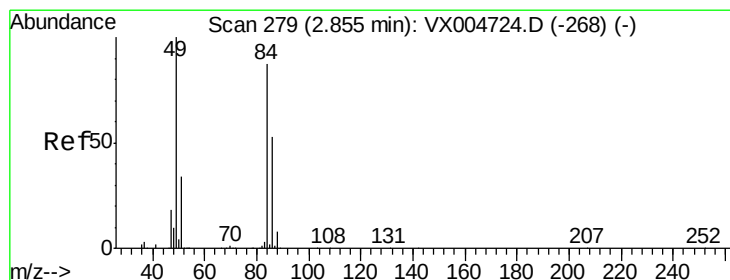
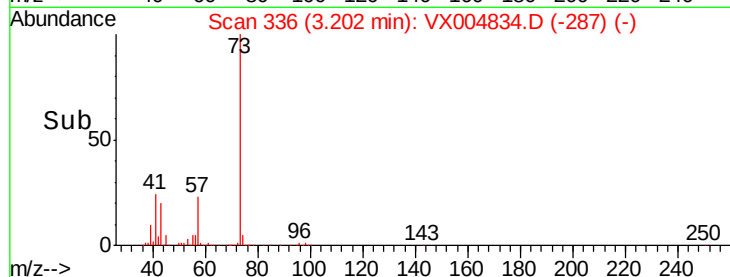
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 55.803 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion: 84 Resp: 154885

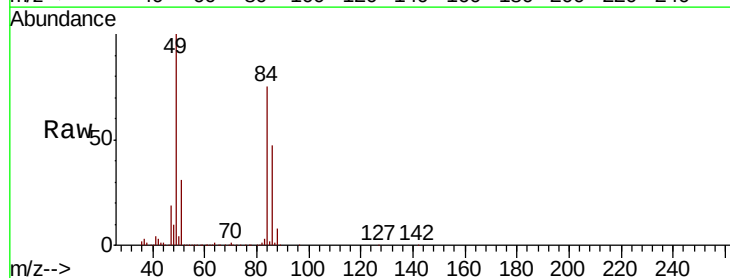
Ion Ratio Lower Upper

84 100

49 133.1 101.2 151.8

51 40.9 29.5 44.3

86 63.0 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

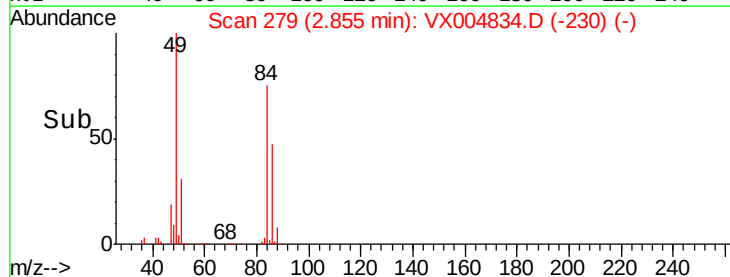
150000

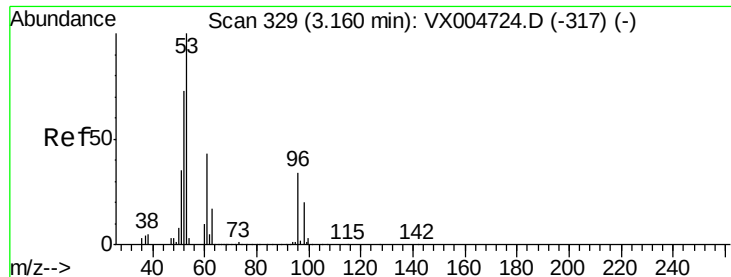
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 52.801 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

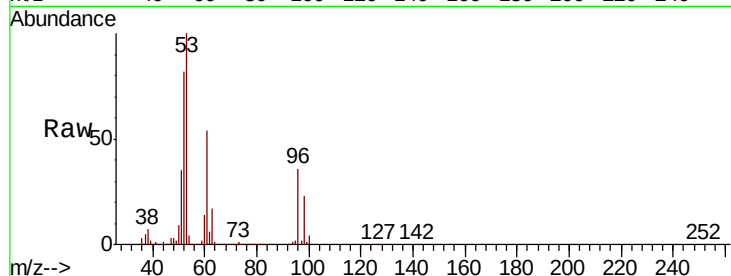
Tot Ion: 96 Resp: 143606

Ion Ratio Lower Upper

96 100

61 150.2 113.8 170.6

98 64.5 51.8 77.8

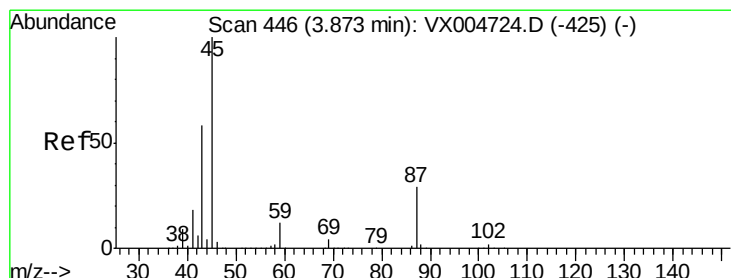
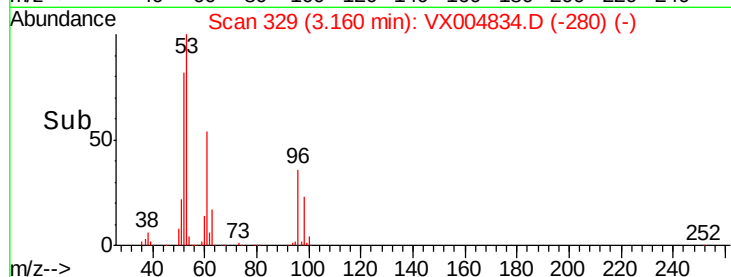
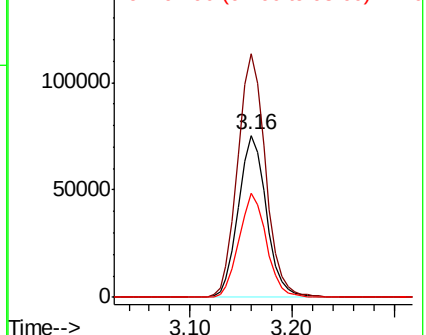


Abundance

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: 56.159 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion: 45 Resp: 512645

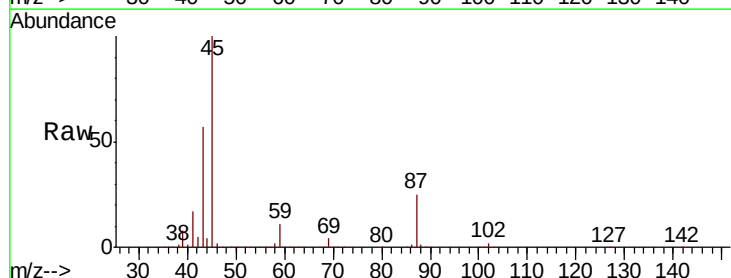
Ion Ratio Lower Upper

45 100

43 56.6 42.8 64.2

87 25.1 22.6 34.0

59 10.5 9.6 14.4



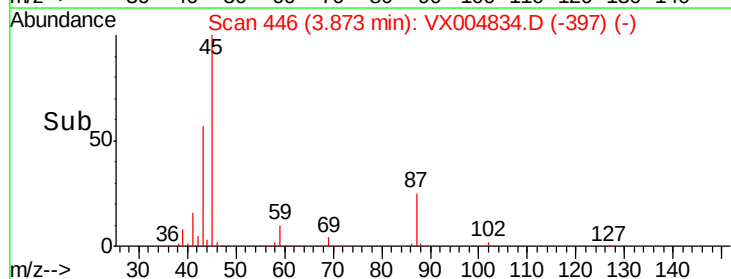
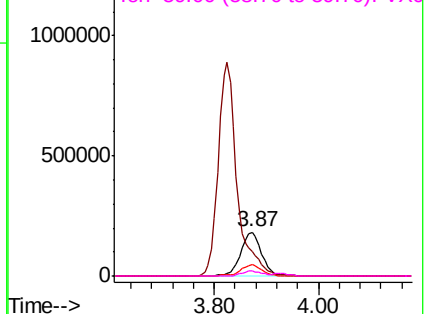
Abundance

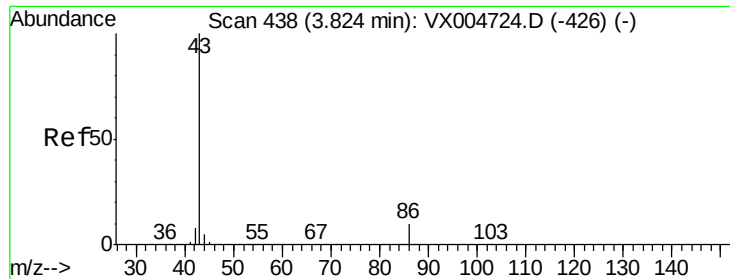
Ion 45.00 (44.70 to 45.70): VX0

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: 272.013 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

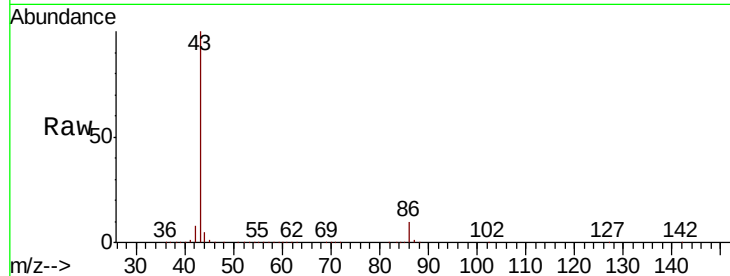
VSTDCCC050EC

Tot Ion: 43 Resp: 2272917

Ion Ratio Lower Upper

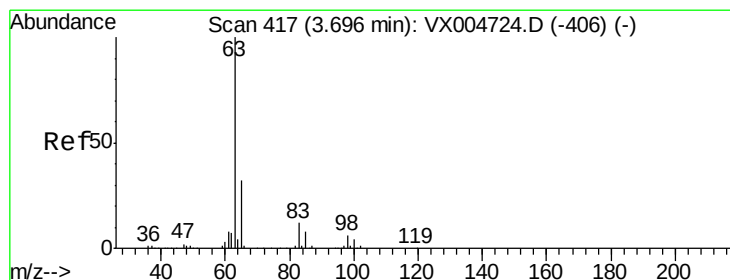
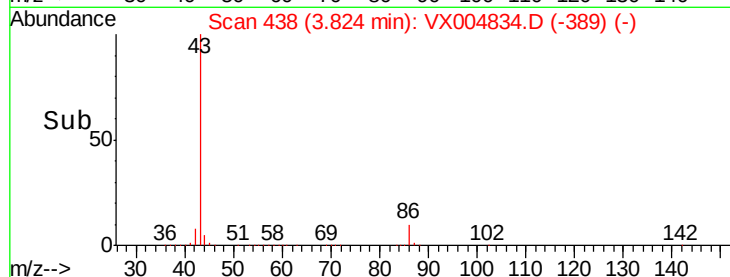
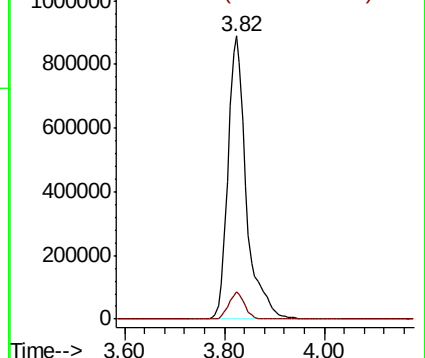
43 100

86 9.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.134 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

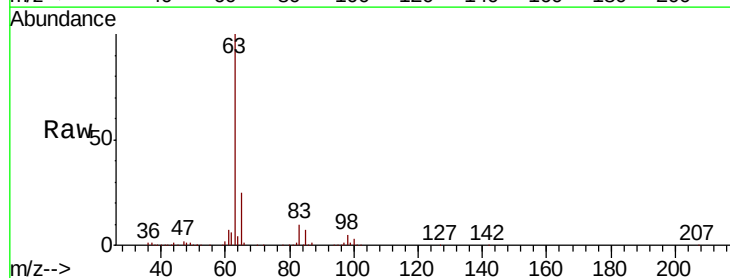
Tgt Ion: 63 Resp: 289328

Ion Ratio Lower Upper

63 100

98 5.0 3.5 10.4

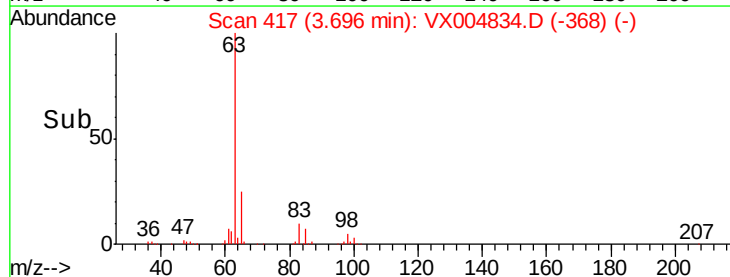
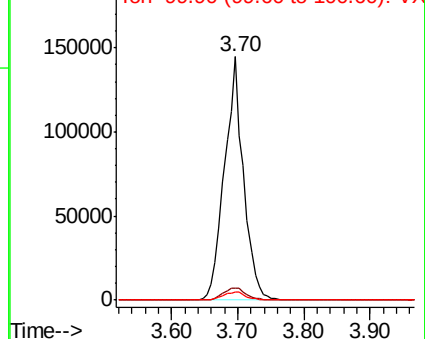
100 3.5 2.4 7.1

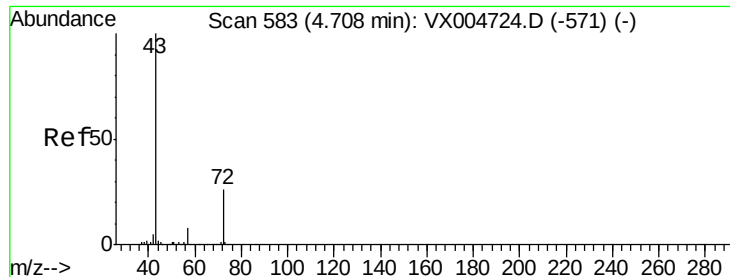


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 259.340 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

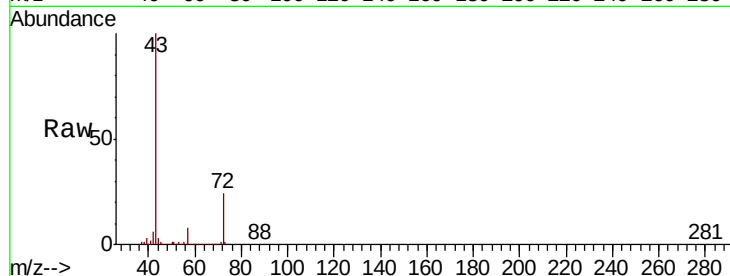
VSTDCCC050EC

Tot Ion: 43 Resp: 731034

Ion Ratio Lower Upper

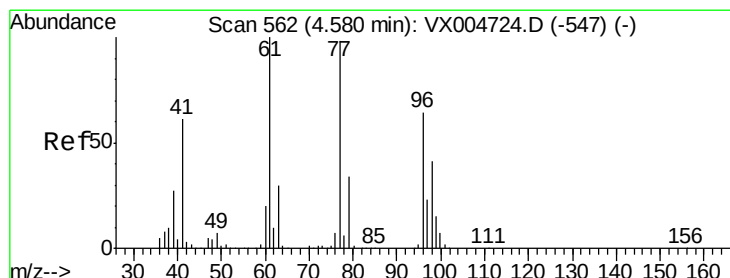
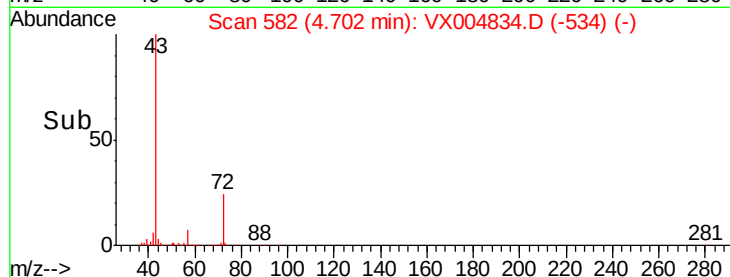
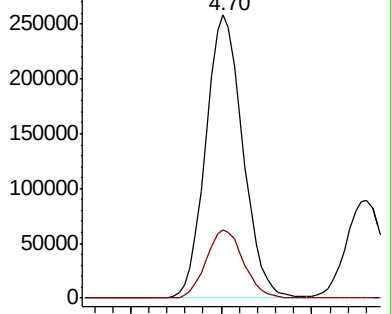
43 100

72 24.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.113 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004834.D

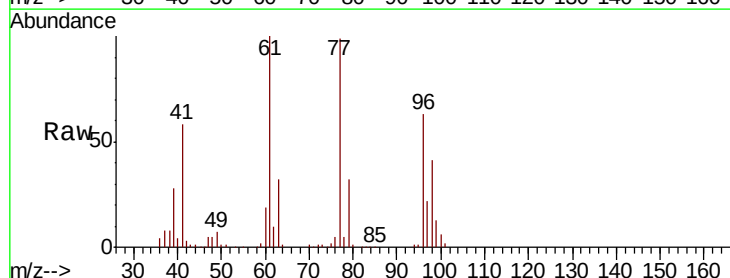
Acq: 28 Sep 2018 20:59

Tgt Ion: 77 Resp: 186230

Ion Ratio Lower Upper

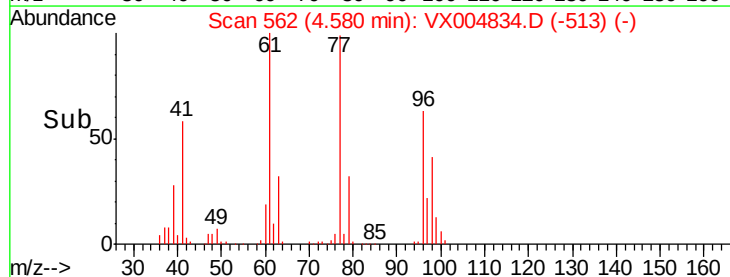
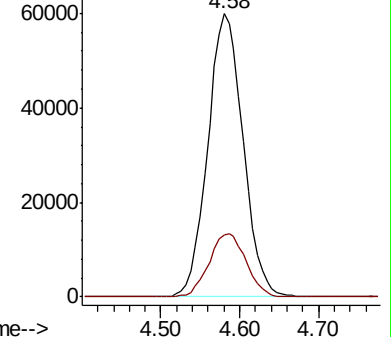
77 100

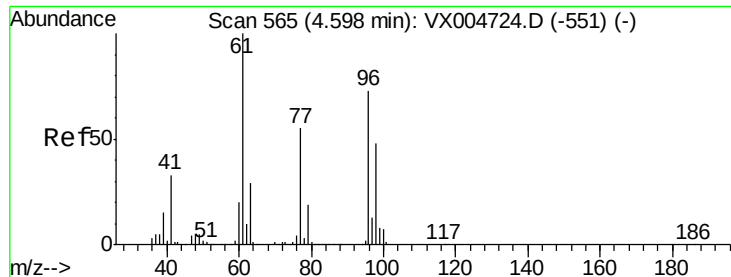
97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 52.199 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

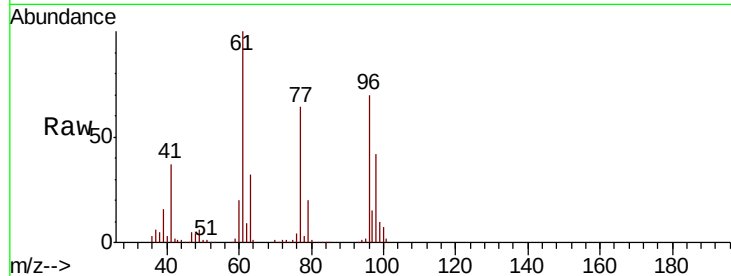
Tot Ion: 96 Resp: 158597

Ion Ratio Lower Upper

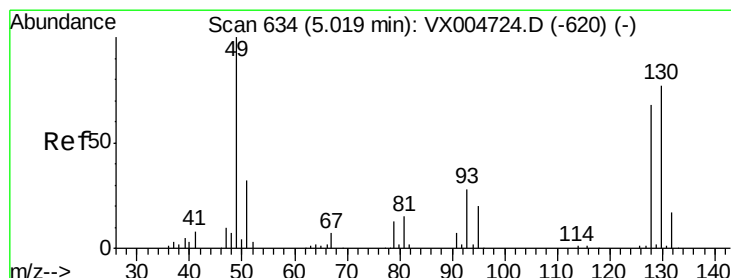
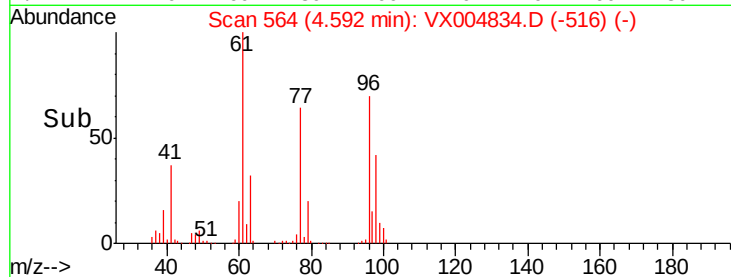
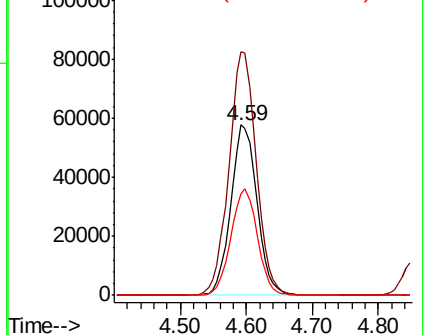
96 100

61 149.0 0.0 282.6

98 63.4 0.0 130.2



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



#28

Bromochloromethane

Concen: 50.216 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

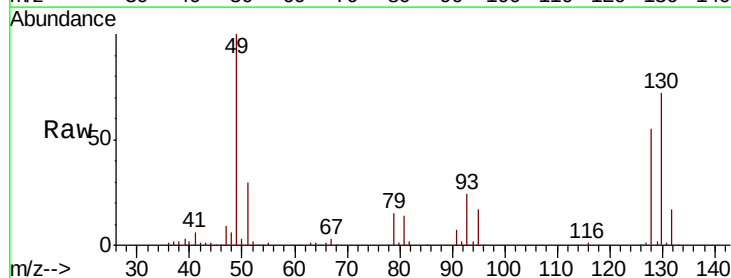
Tgt Ion: 49 Resp: 128767

Ion Ratio Lower Upper

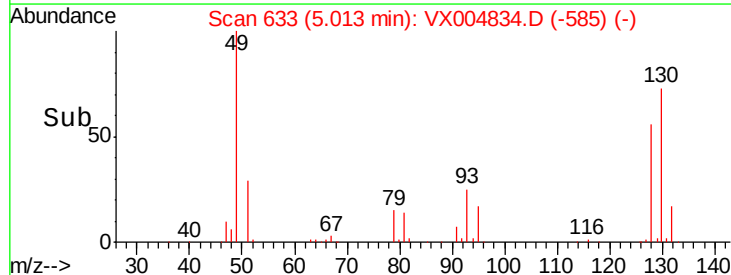
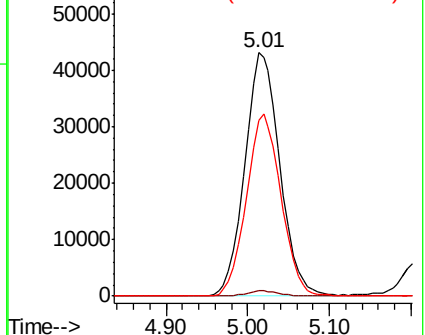
49 100

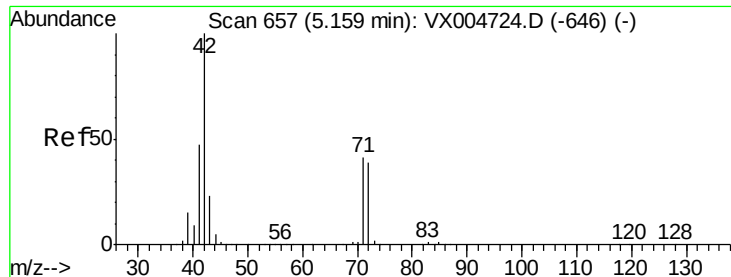
129 2.0 0.0 4.2

130 73.9 67.5 101.3



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

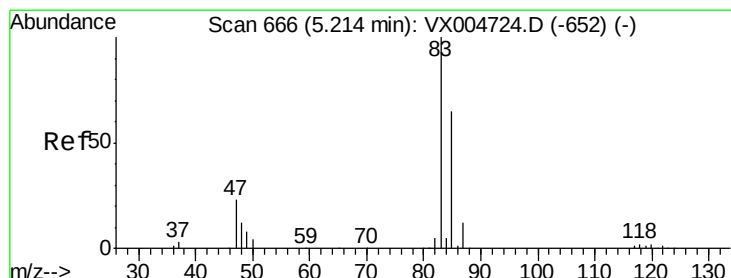
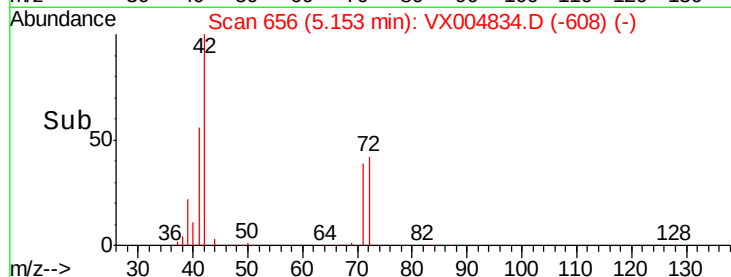
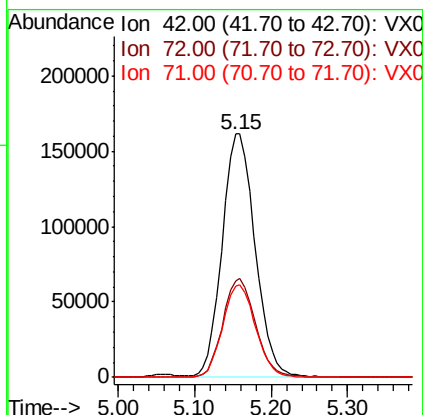
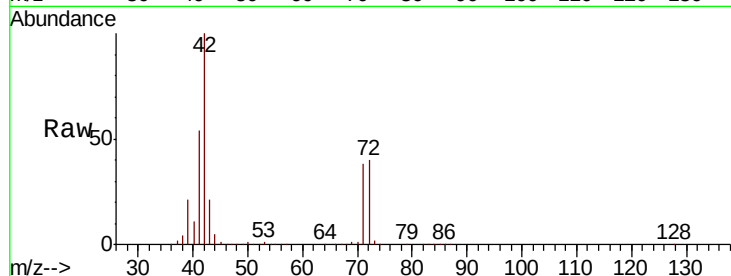




#29
Tetrahydrofuran
Concen: 274.293 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

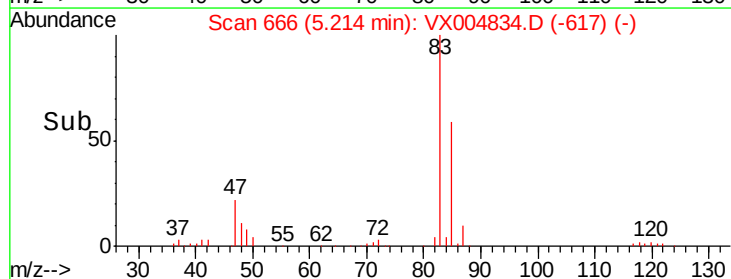
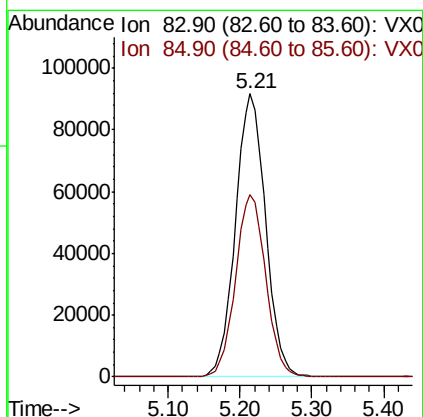
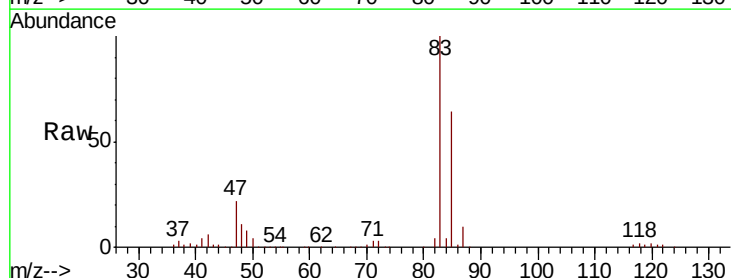
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

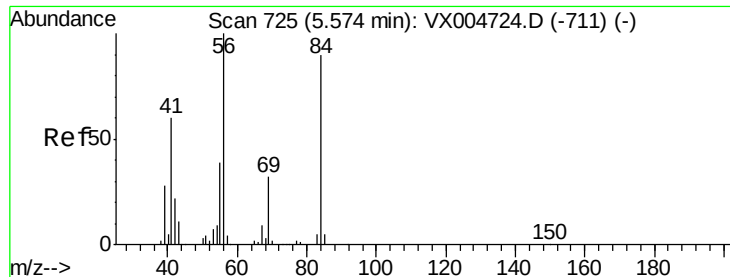
Tot Ion:	42	Resp:	480561
Ion	Ratio	Lower	Upper
42	100		
72	40.7	37.4	56.0
71	38.2	34.5	51.7



#30
Chloroform
Concen: 51.770 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion:	83	Resp:	266424
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	79.0

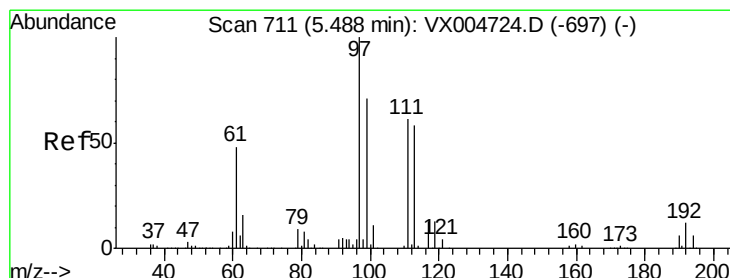
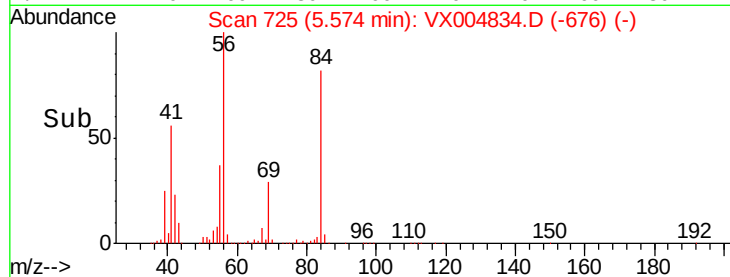
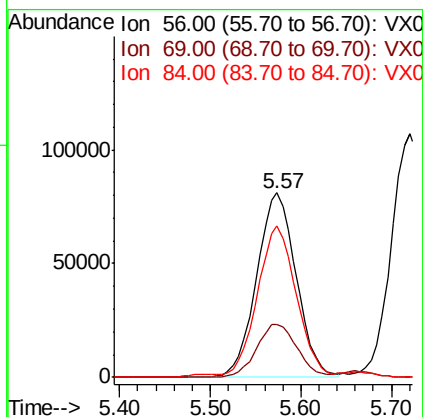
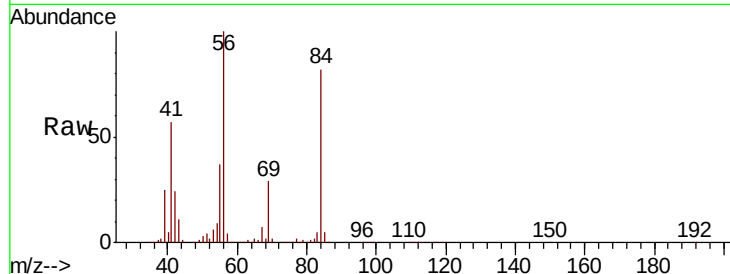




#31
Cyclohexane
Concen: 58.708 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

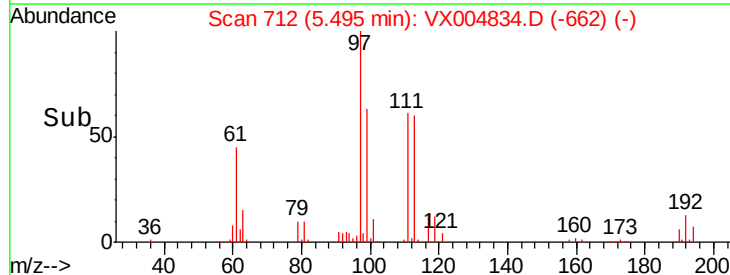
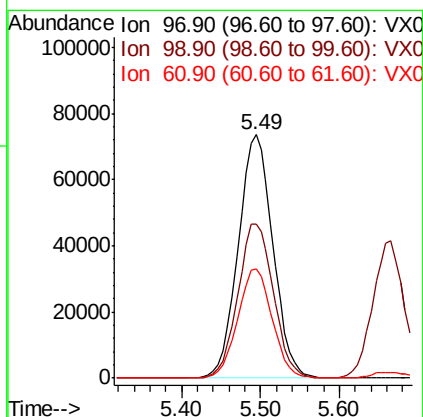
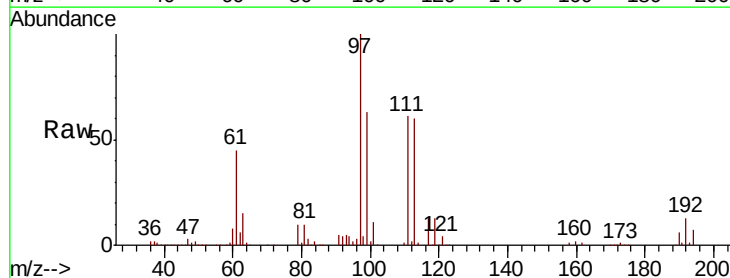
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

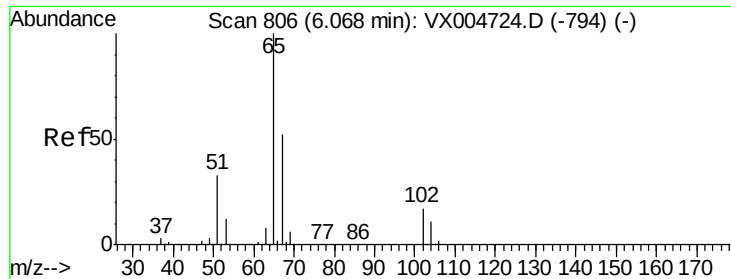
Tot Ion: 56 Resp: 244676
Ion Ratio Lower Upper
56 100
69 28.7 25.4 38.2
84 81.1 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 53.464 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 97 Resp: 224704
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 44.7 34.9 52.3

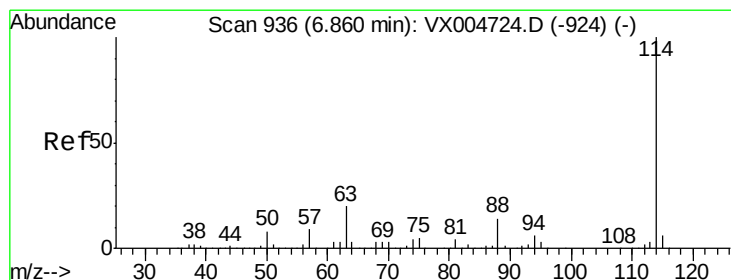
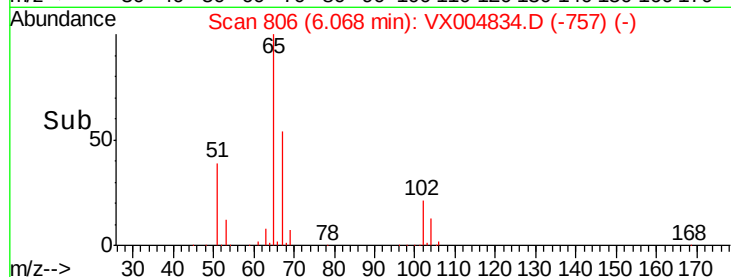
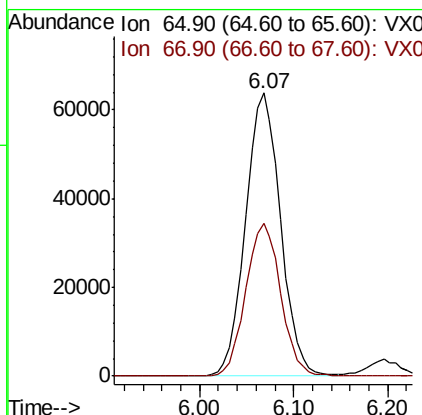
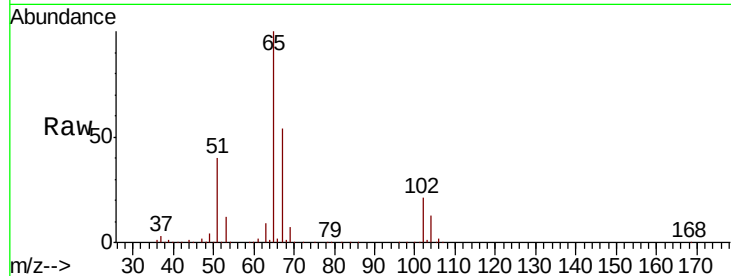




#33
 1,2-Dichloroethane-d4
 Concen: 50.629 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

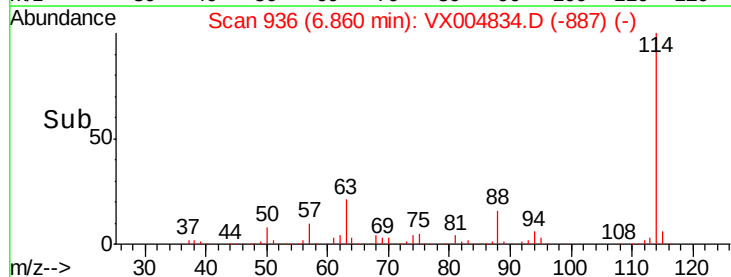
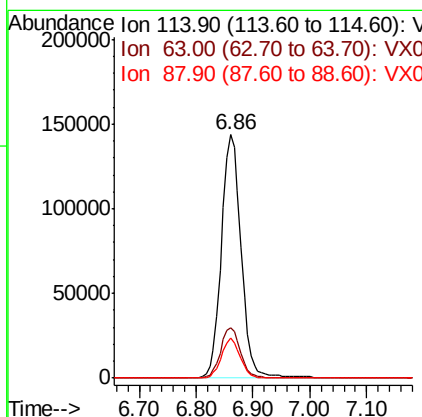
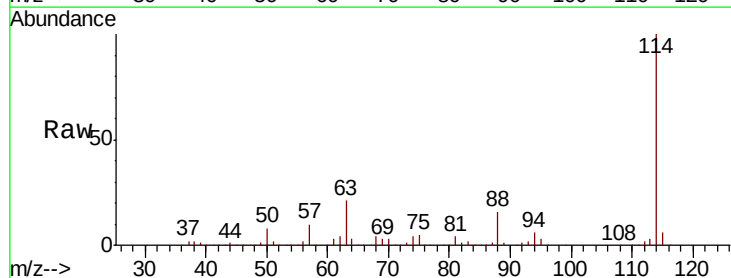
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

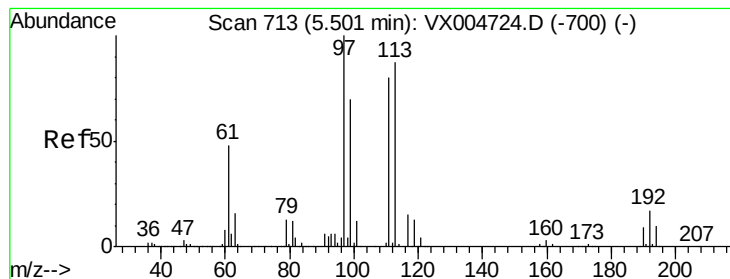
Tot Ion: 65 Resp: 165837
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion: 114 Resp: 347652
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 16.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 45.718 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

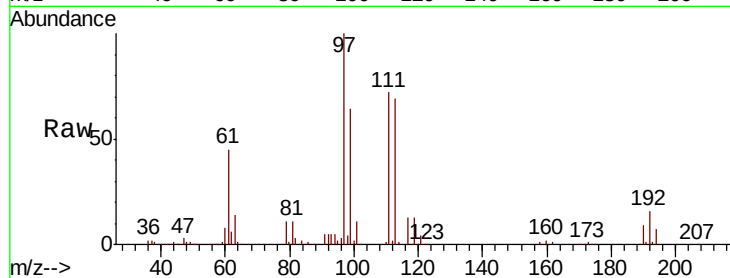
Tot Ion:113 Resp: 134702

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

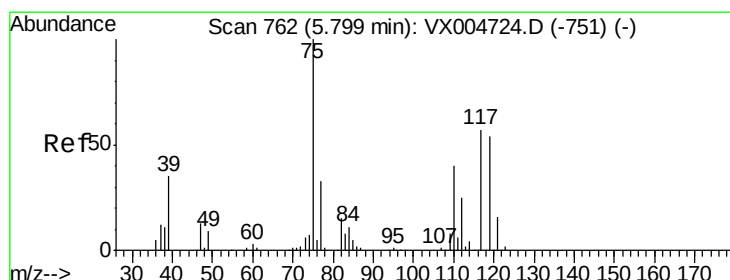
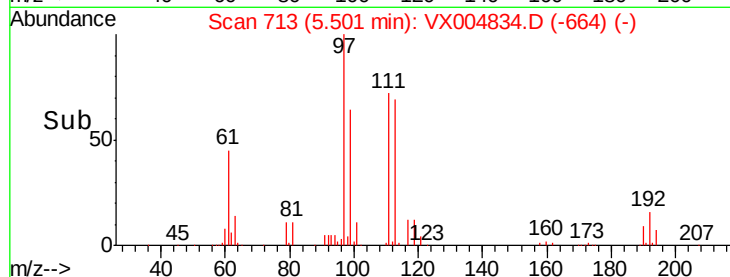
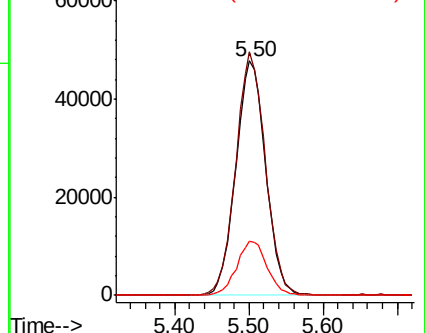
192 23.3 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.707 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

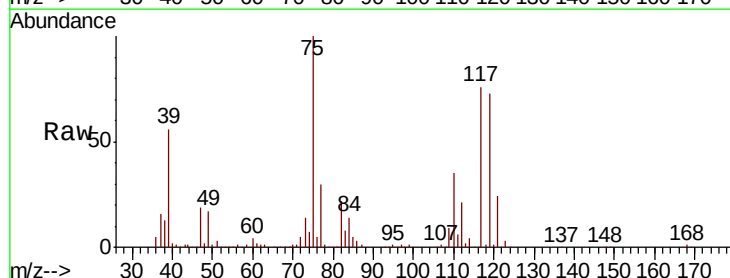
Tgt Ion: 75 Resp: 199823

Ion Ratio Lower Upper

75 100

110 35.3 18.0 54.0

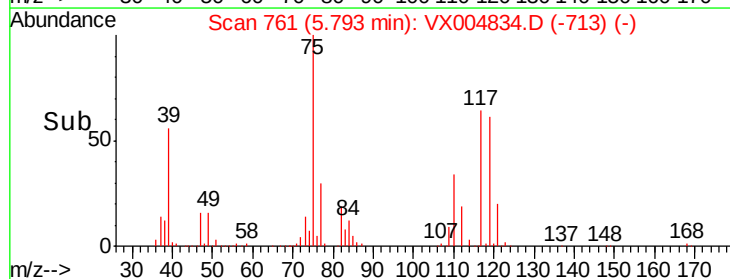
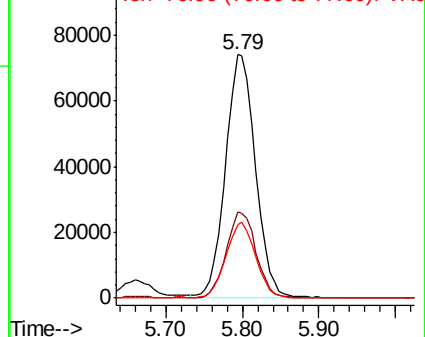
77 30.9 24.6 36.8

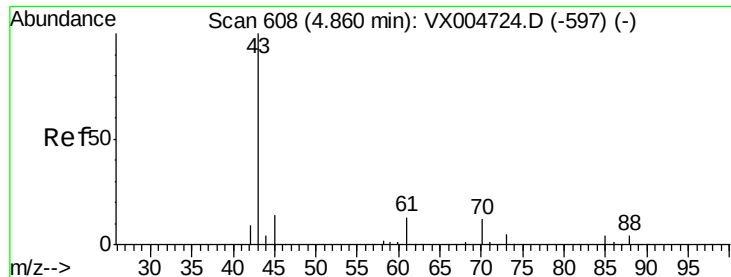


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 49.030 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

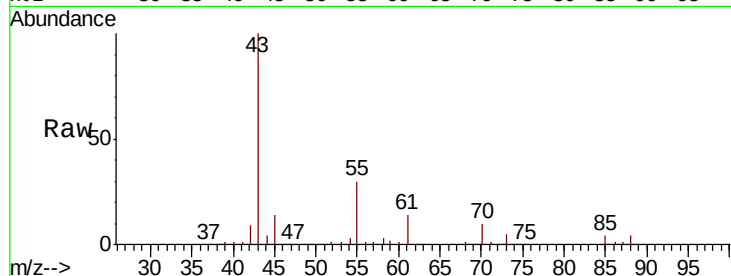
Tot Ion: 43 Resp: 261633

Ion Ratio Lower Upper

43 100

61 13.7 11.5 17.3

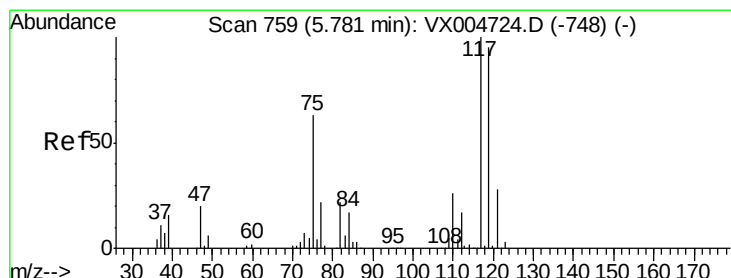
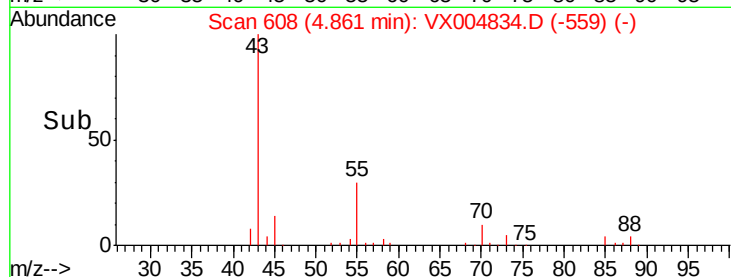
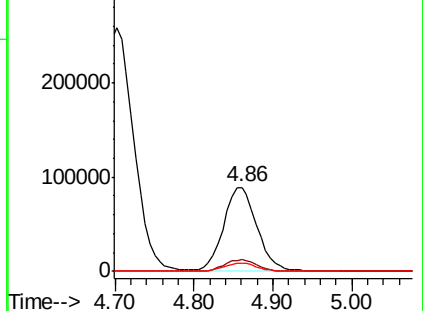
70 10.1 9.0 13.6



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: 47.200 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

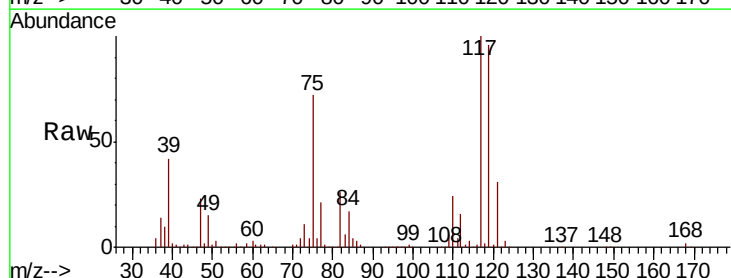
Tgt Ion: 117 Resp: 199454

Ion Ratio Lower Upper

117 100

119 96.2 78.8 118.2

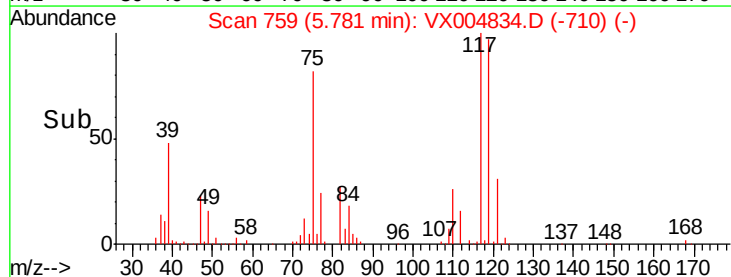
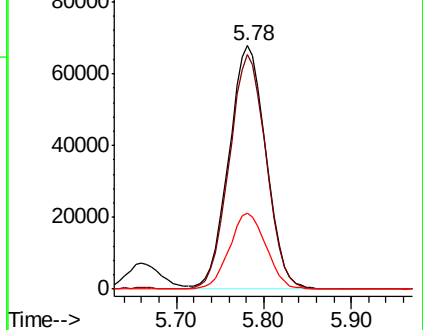
121 31.0 24.9 37.3

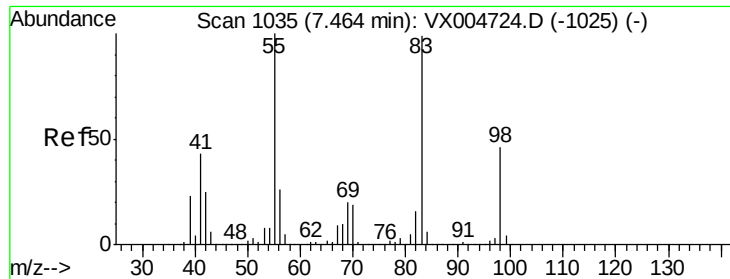


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

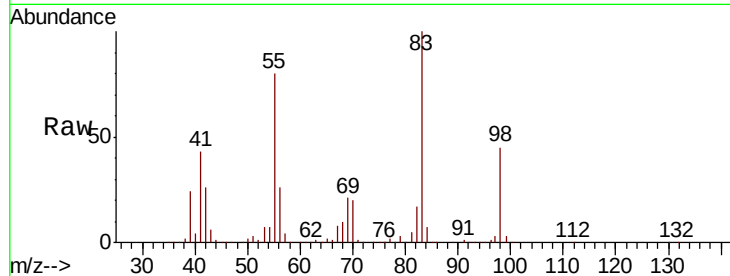




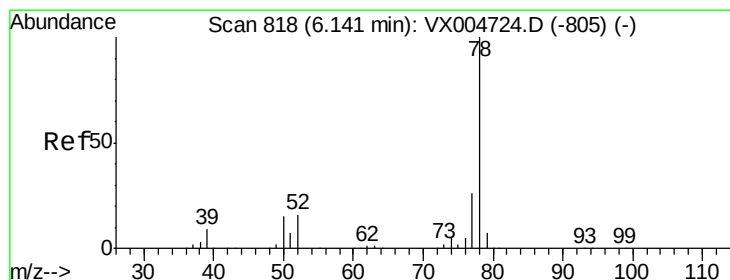
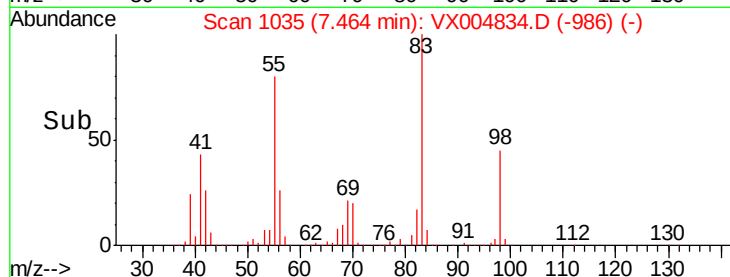
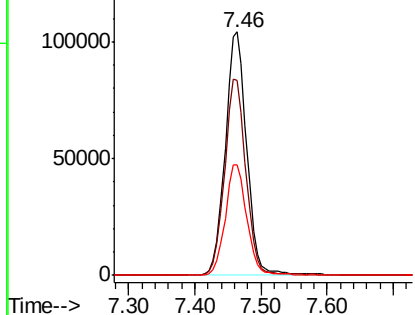
#39
Methylvlcyclohexane
Concen: 56.999 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 233973
Ion Ratio Lower Upper
83 100
55 80.1 61.0 91.4
98 45.3 39.6 59.4

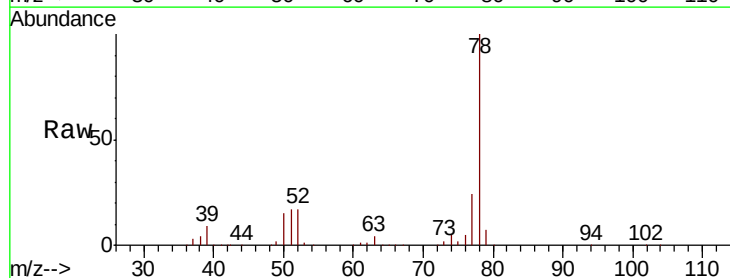


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

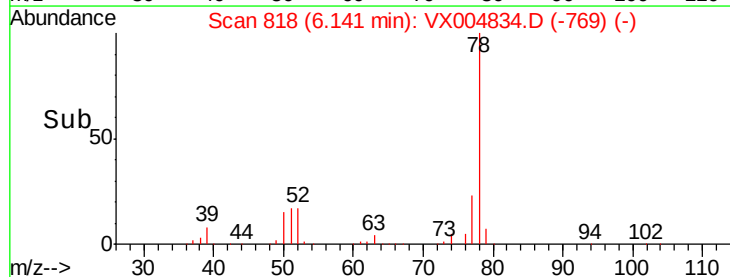
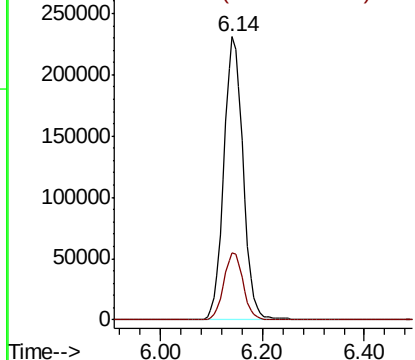


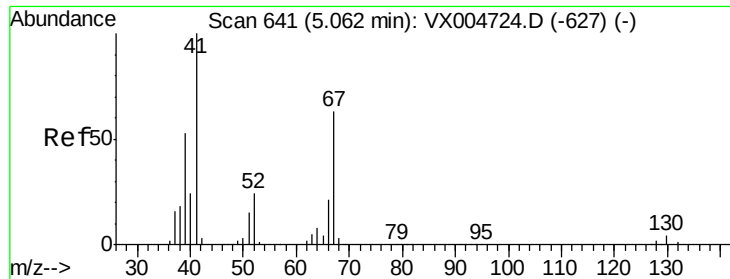
#40
Benzene
Concen: 48.130 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 78 Resp: 605734
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4



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





#41

Methacrylonitrile

Concen: 50.768 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

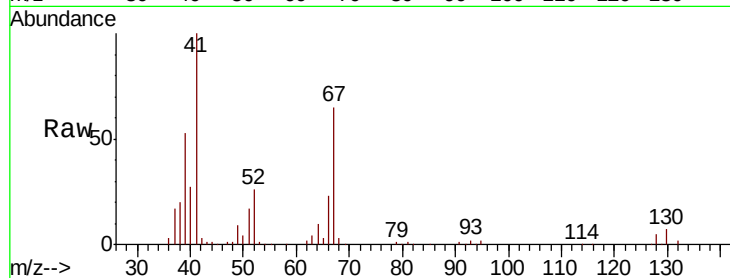
ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 150237

Ion Ratio Lower Upper

41	100		
39	52.9	42.4	63.6
67	0.0	59.2	88.8#
52	27.1	23.0	34.4

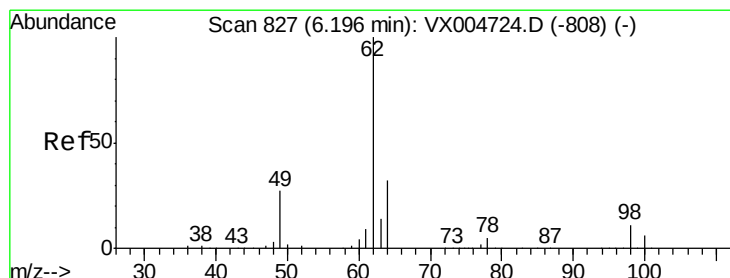
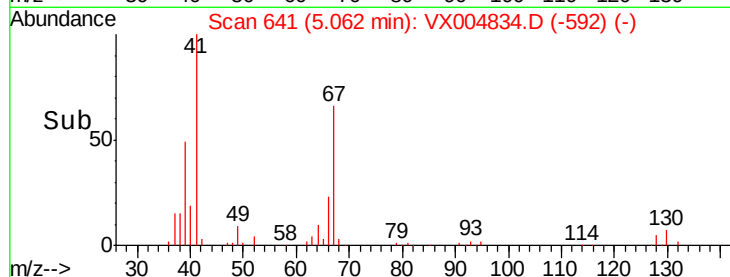
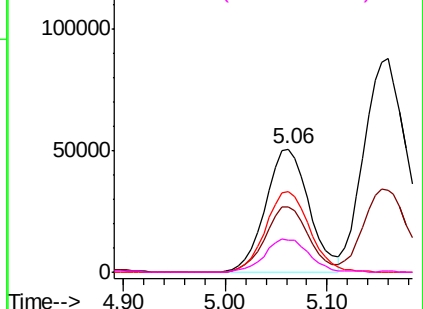


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 48.315 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

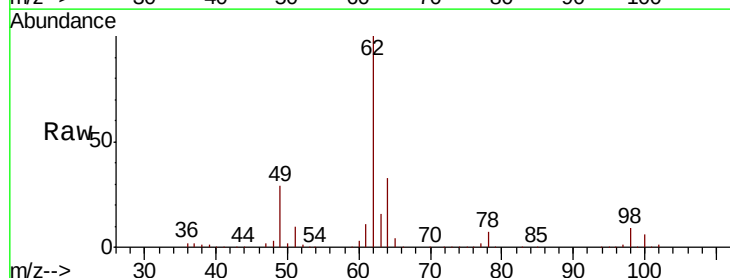
Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion: 62 Resp: 214954

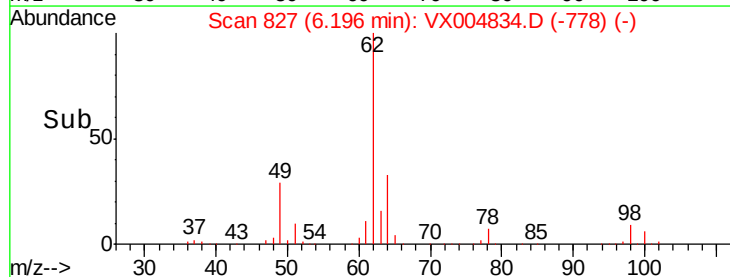
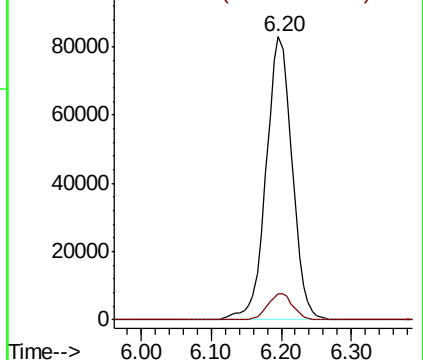
Ion Ratio Lower Upper

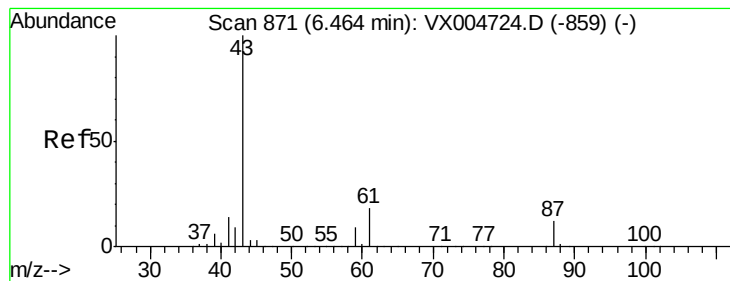
62	100		
98	9.0	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.128 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

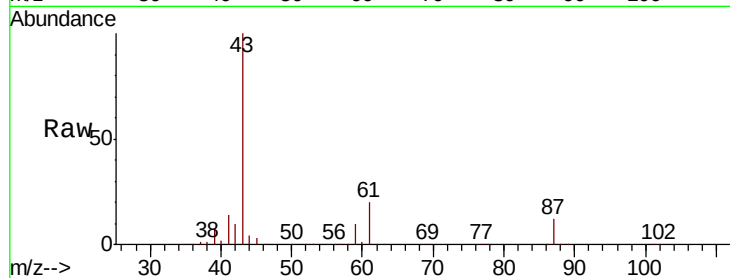
Tot Ion: 43 Resp: 393779

Ion Ratio Lower Upper

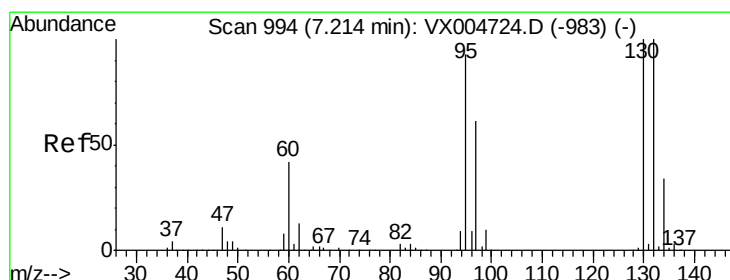
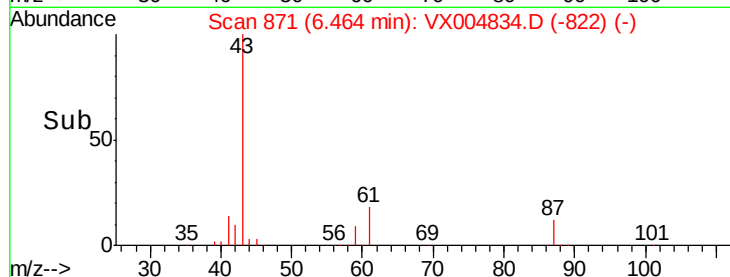
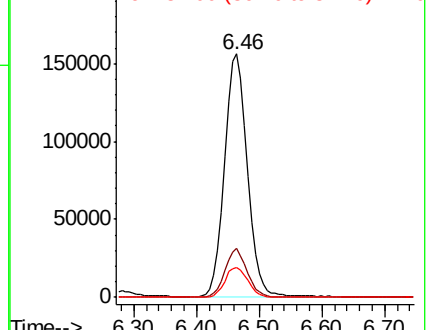
43 100

61 19.4 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: 51.115 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004834.D

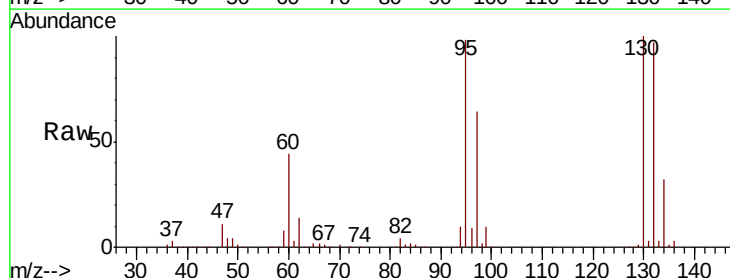
Acq: 28 Sep 2018 20:59

Tgt Ion:130 Resp: 158143

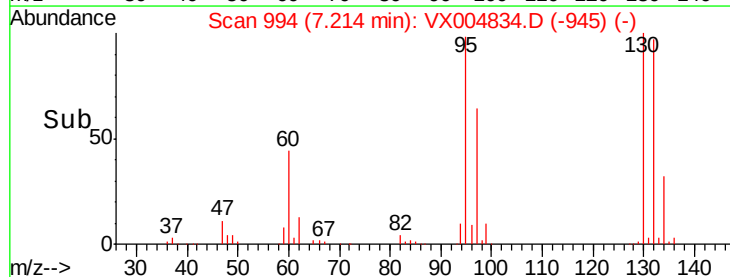
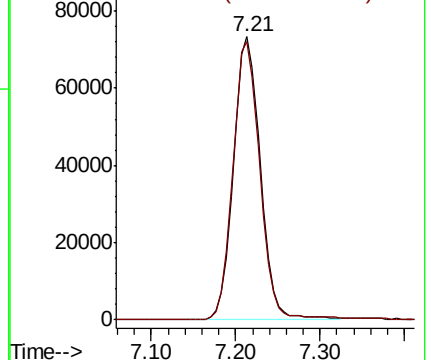
Ion Ratio Lower Upper

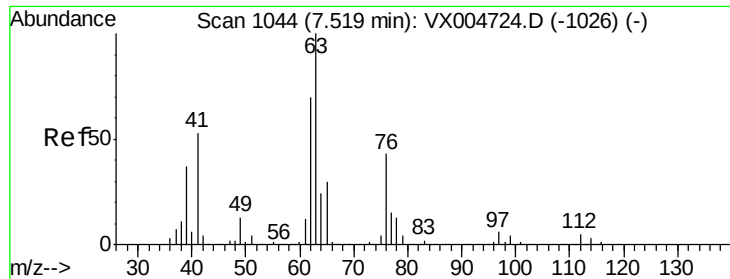
130 100

95 98.2 0.0 181.6



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

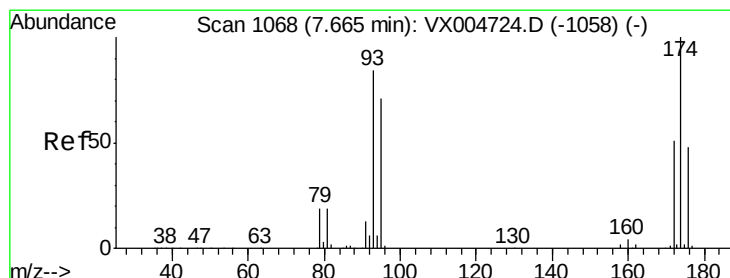
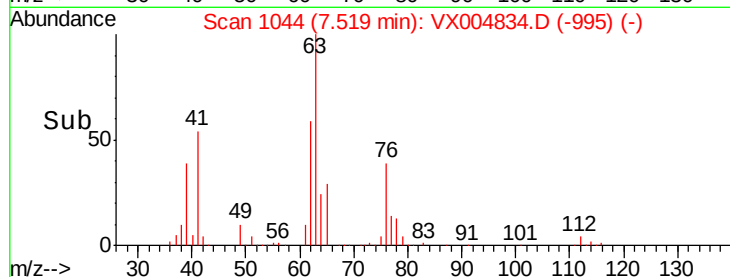
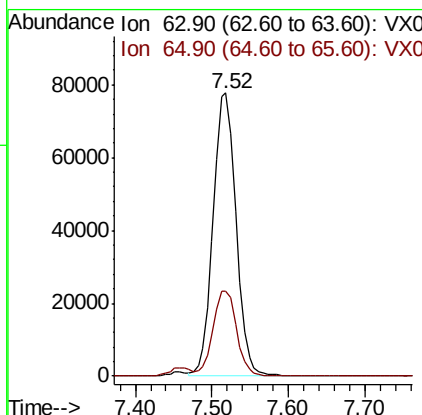
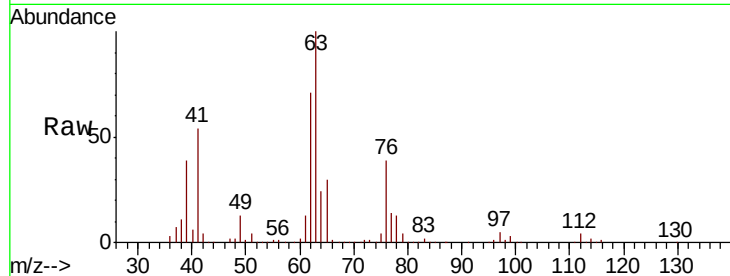




#45
 1,2-Dichloropropane
 Concen: 52.521 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

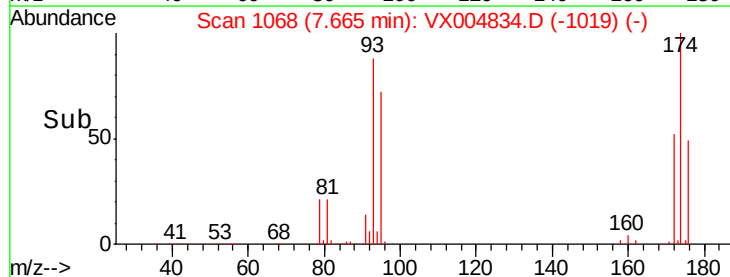
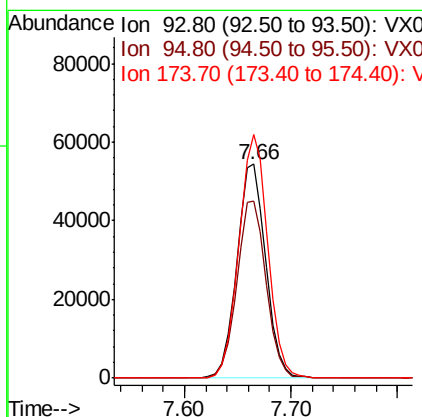
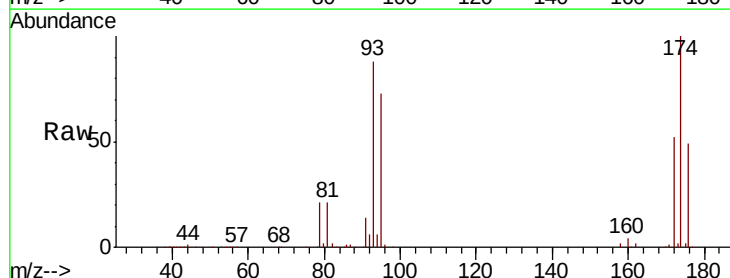
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

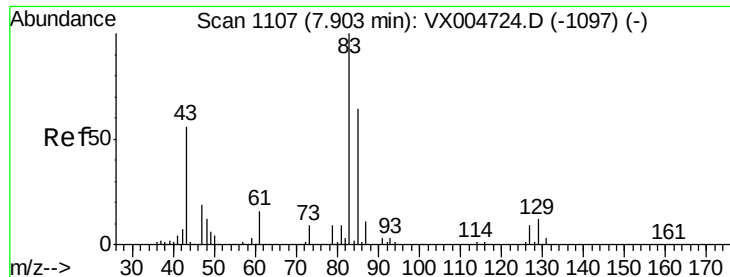
Tot Ion: 63 Resp: 162096
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.3 36.5



#46
 Dibromomethane
 Concen: 53.441 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion: 93 Resp: 103656
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.5 98.3
 174 113.8 94.2 141.4





#47

Bromodichloromethane

Concen: 54.415 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

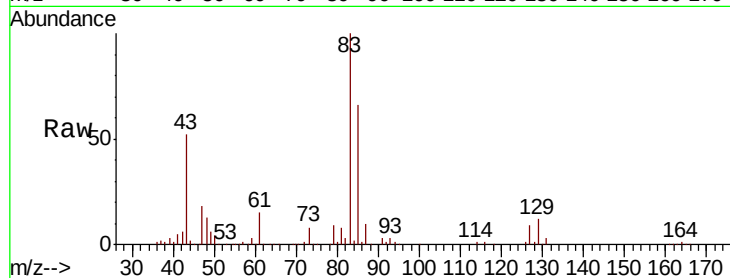
Tot Ion: 83 Resp: 197609

Ion Ratio Lower Upper

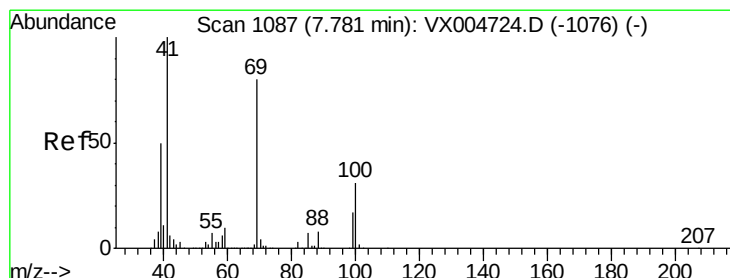
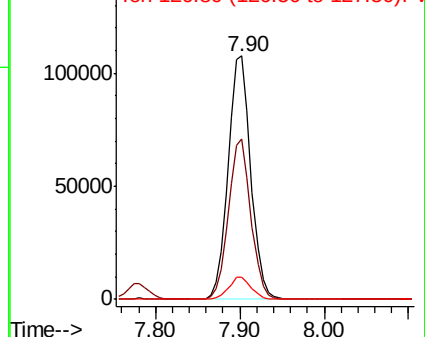
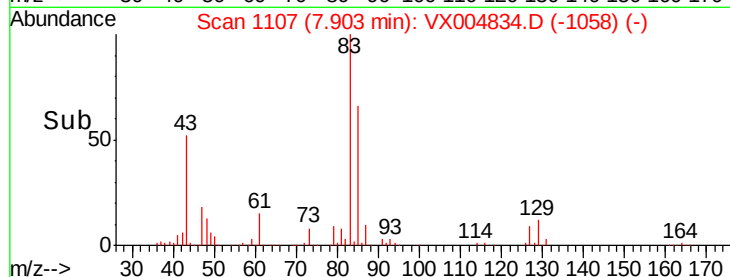
83 100

85 66.0 50.9 76.3

127 9.1 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: 58.846 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

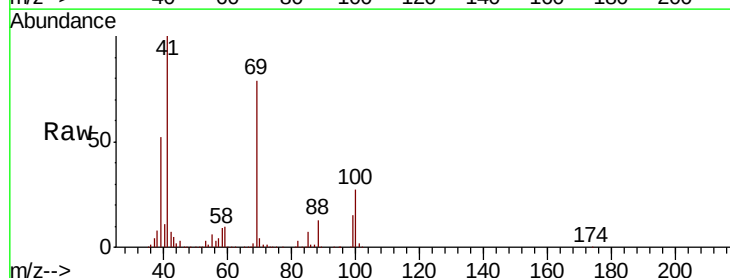
Tgt Ion: 41 Resp: 205712

Ion Ratio Lower Upper

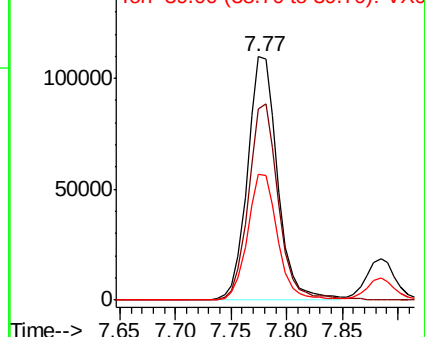
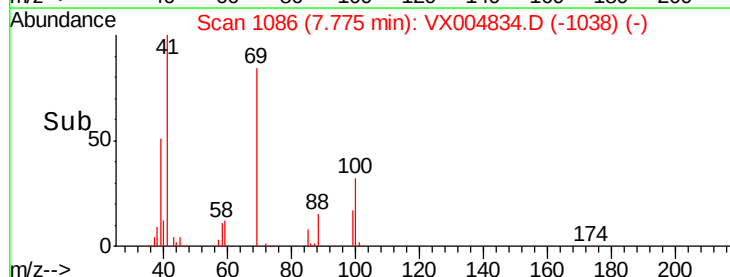
41 100

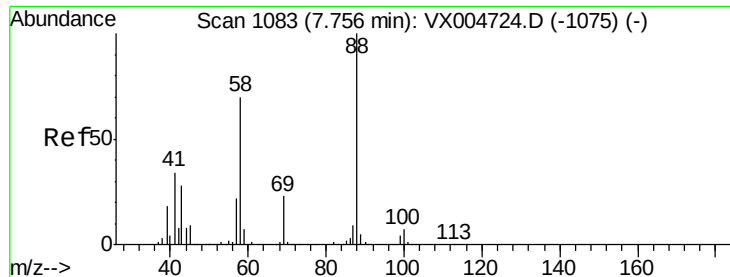
69 80.6 70.2 105.4

39 51.5 42.7 64.1



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





#49

1,4-Dioxane

Concen: 1025.969 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

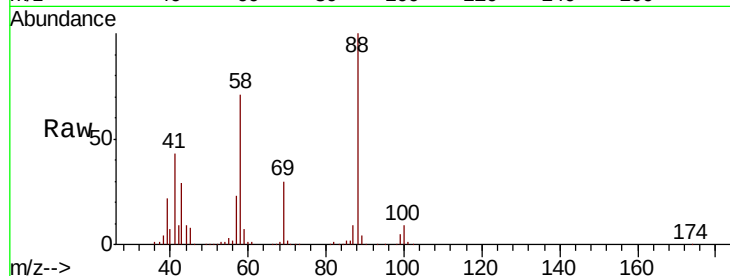
Tot Ion: 88 Resp: 89104

Ion Ratio Lower Upper

88 100

43 33.4 24.7 37.1

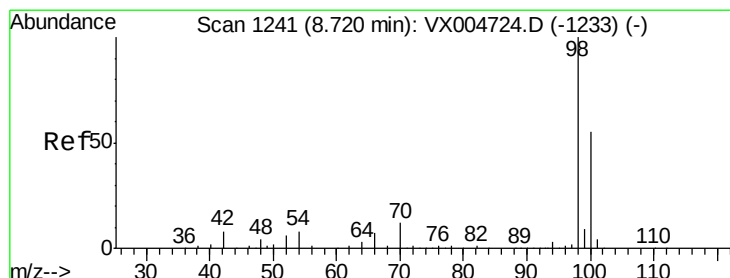
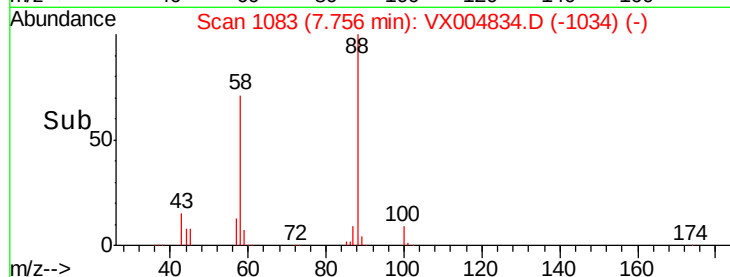
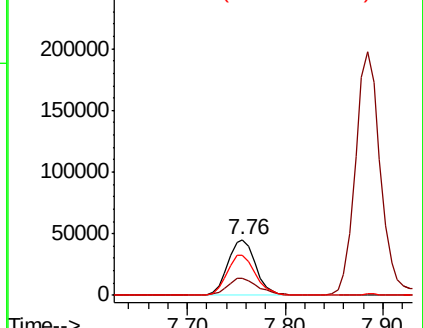
58 74.3 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.414 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004834.D

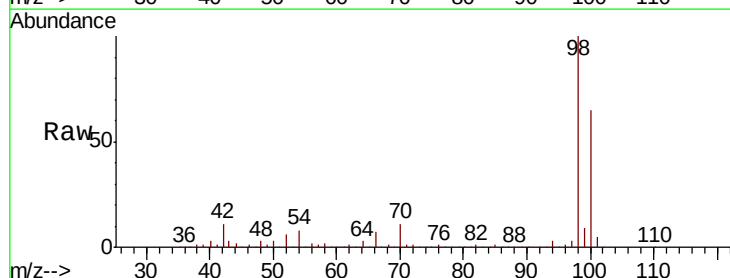
Acq: 28 Sep 2018 20:59

Tgt Ion: 98 Resp: 513408

Ion Ratio Lower Upper

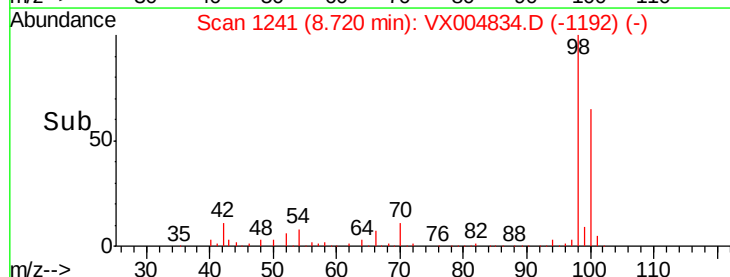
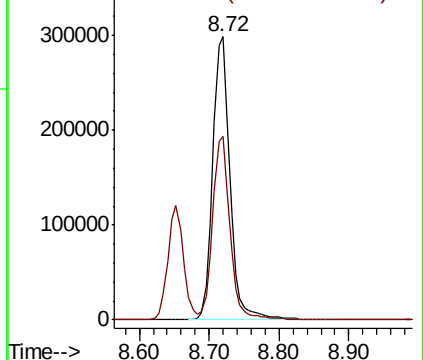
98 100

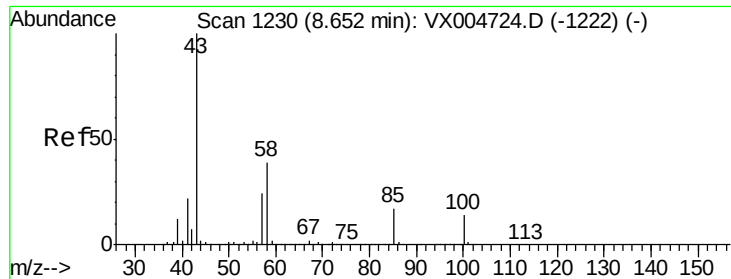
100 65.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

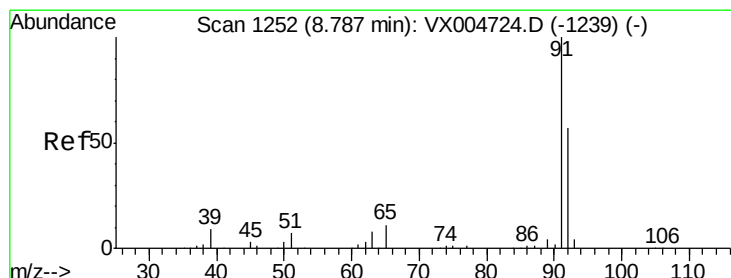
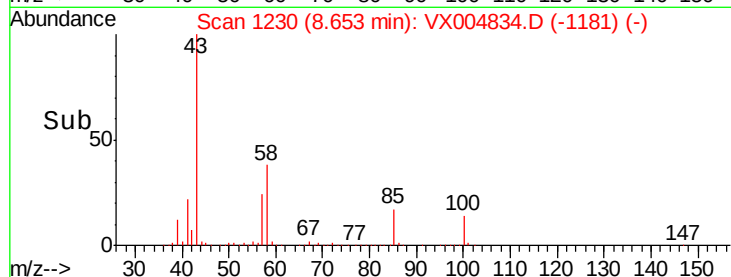
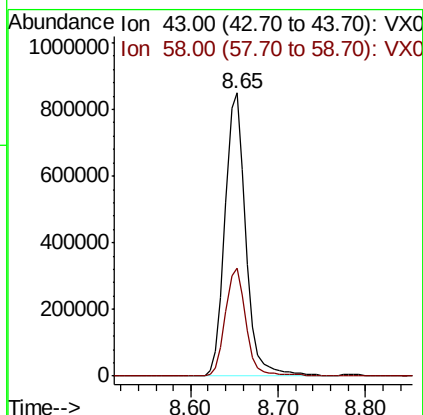
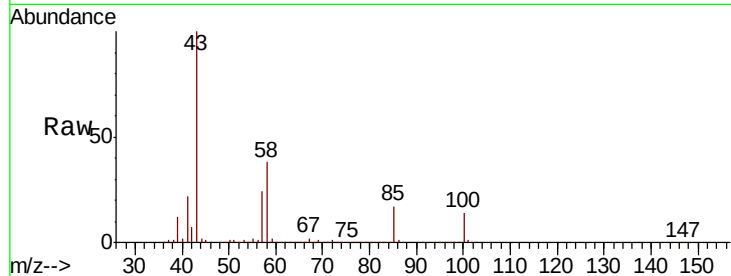




#51
 4-Methyl-2-Pentanone
 Concen: 289.022 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

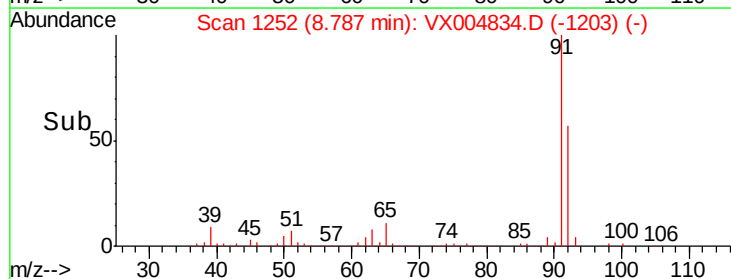
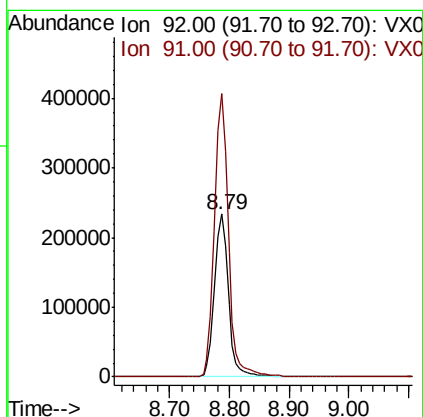
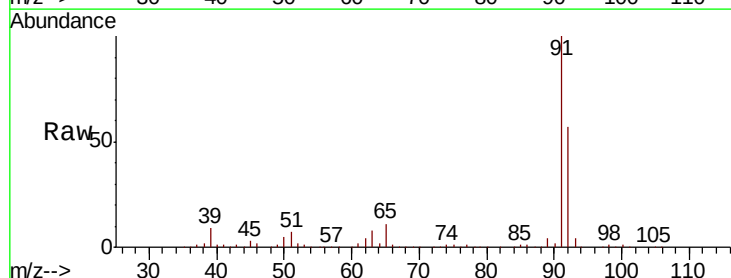
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

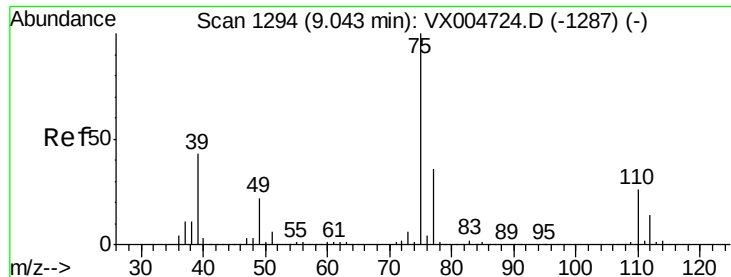
Tot Ion: 43 Resp: 1401601
 Ion Ratio Lower Upper
 43 100
 58 38.4 33.1 49.7



#52
 Toluene
 Concen: 54.606 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion: 92 Resp: 377622
 Ion Ratio Lower Upper
 92 100
 91 174.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 54.100 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

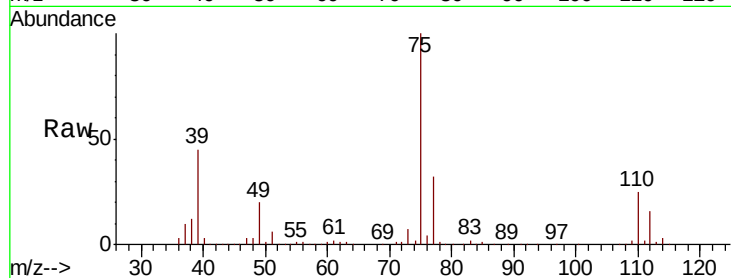
VSTDCCC050EC

Tot Ion: 75 Resp: 222013

Ion Ratio Lower Upper

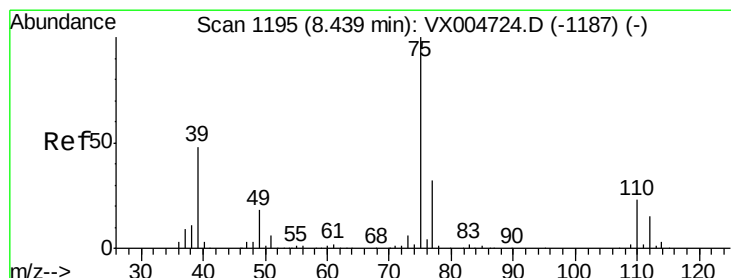
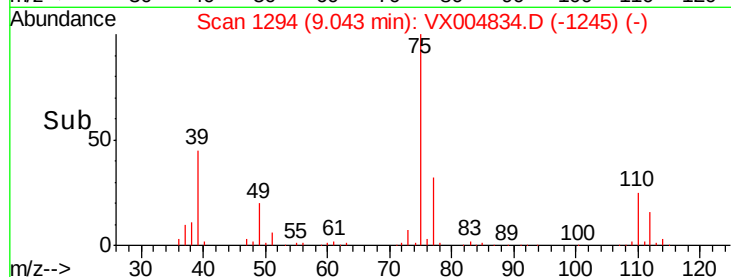
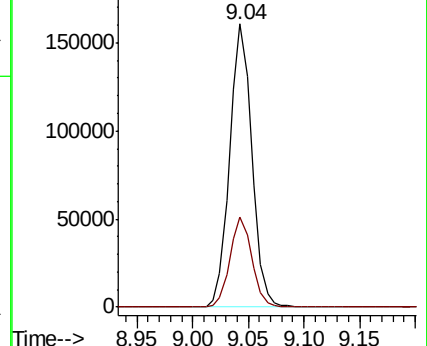
75 100

77 31.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 56.851 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

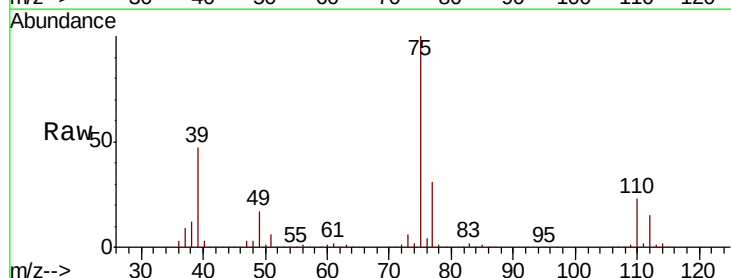
Tgt Ion: 75 Resp: 244364

Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.2

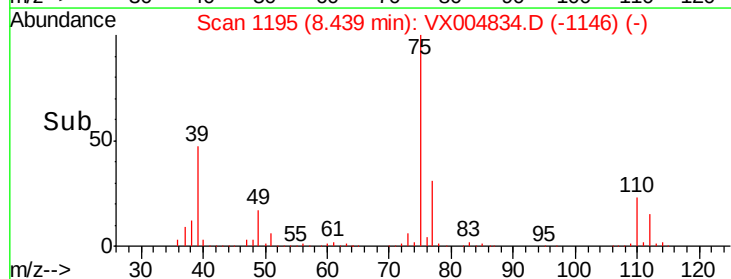
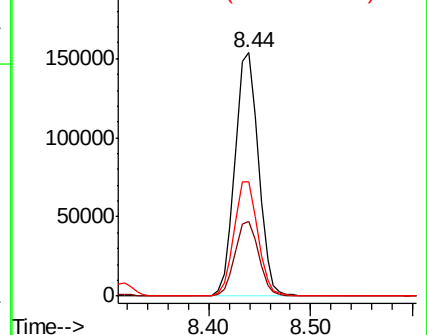
39 47.1 36.4 54.6

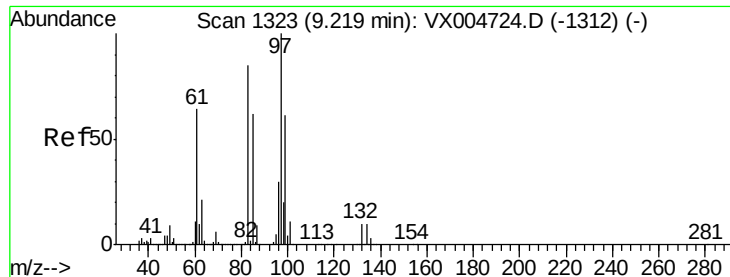


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 51.087 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 154752

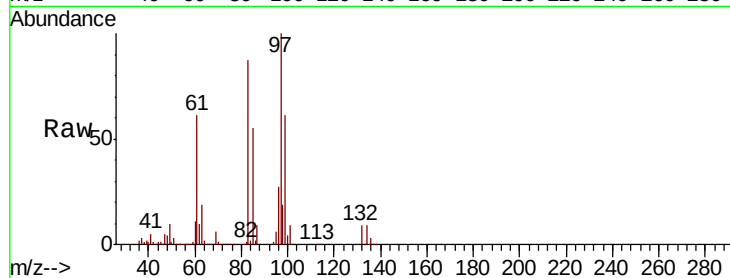
Ion Ratio Lower Upper

97 100

83 86.7 66.4 99.6

85 55.4 43.3 64.9

99 61.3 49.0 73.4

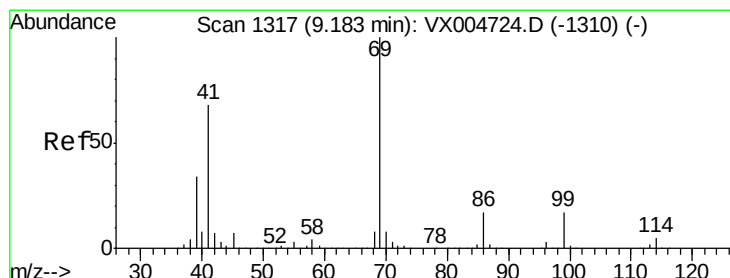
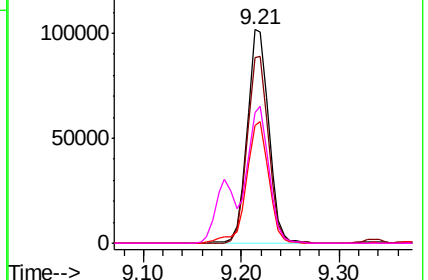
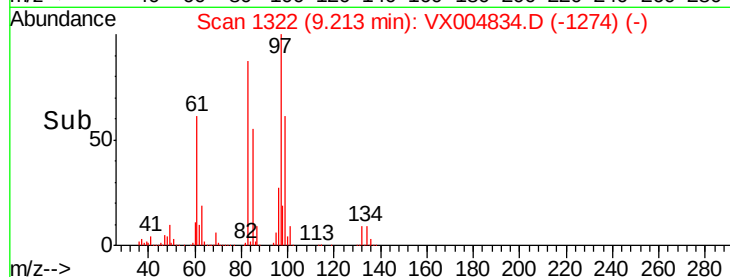


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 50.583 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

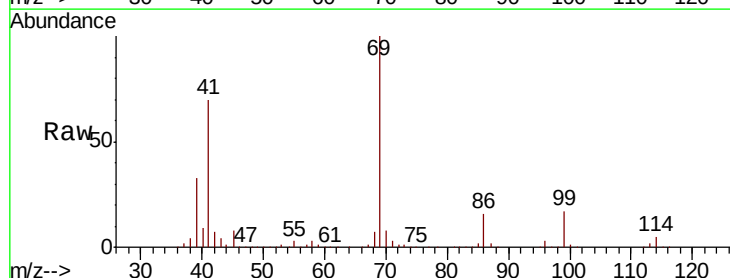
Tgt Ion: 69 Resp: 248815

Ion Ratio Lower Upper

69 100

41 70.4 51.0 76.4

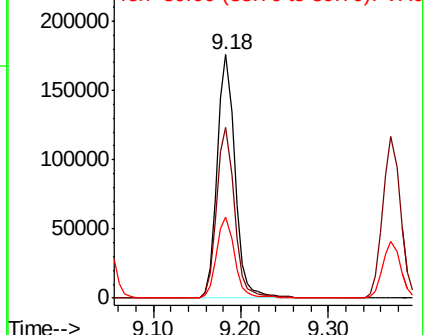
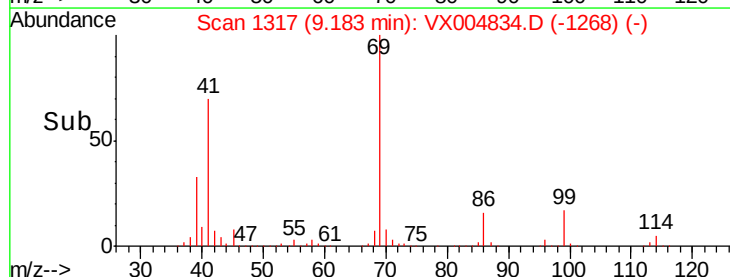
39 33.6 26.1 39.1

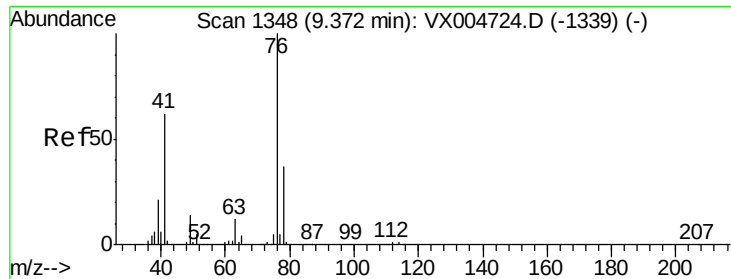


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

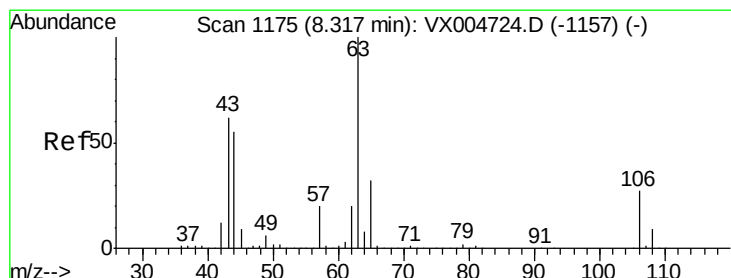
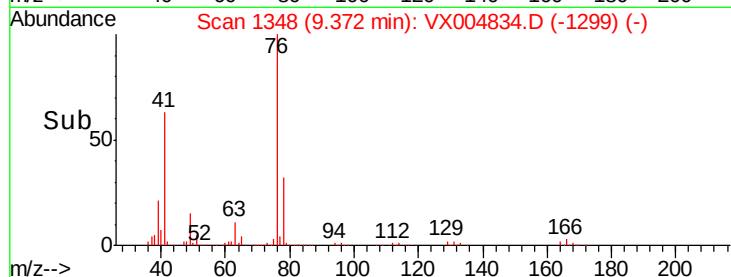
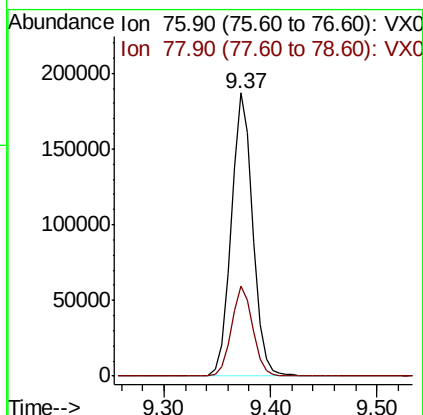
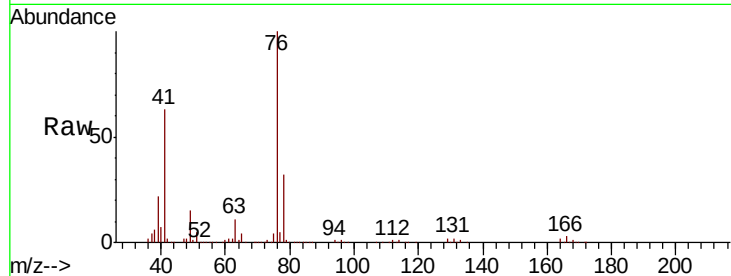




#57
 1,3-Dichloropropane
 Concen: 52.375 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

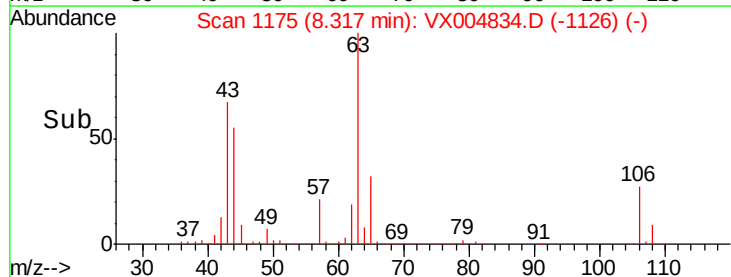
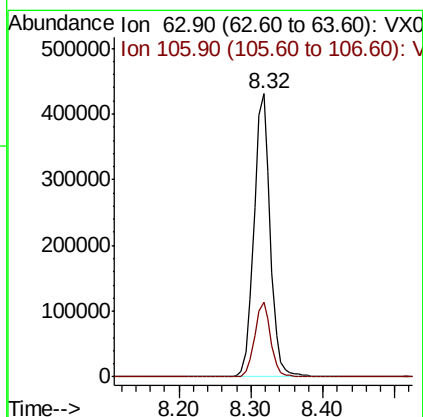
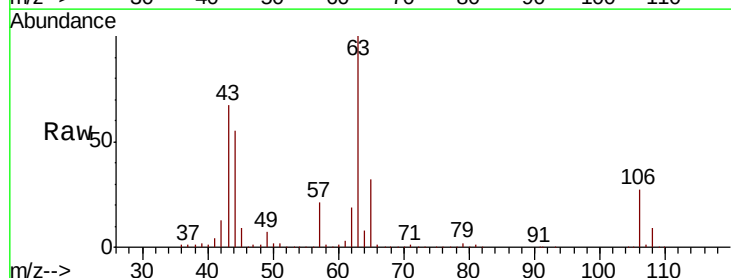
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

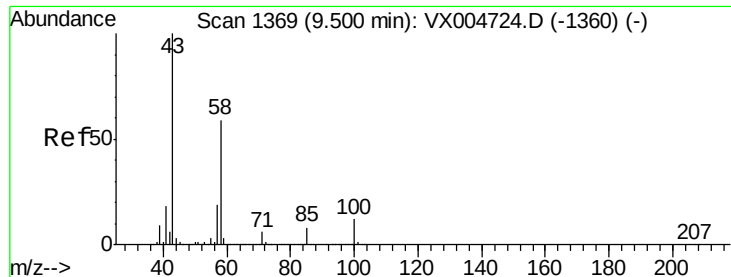
Tot Ion: 76 Resp: 264052
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.670 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion: 63 Resp: 676516
 Ion Ratio Lower Upper
 63 100
 106 26.3 23.9 35.9

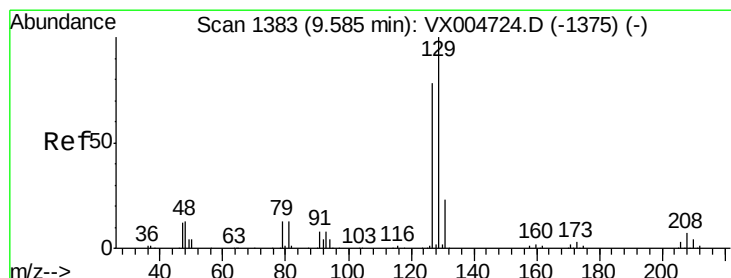
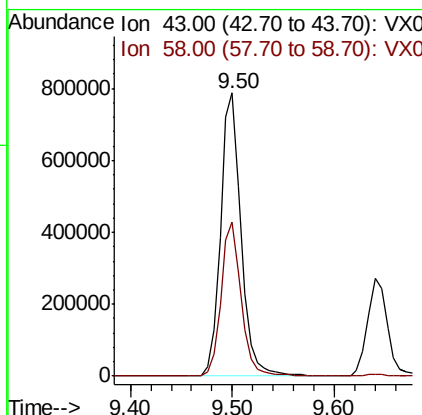
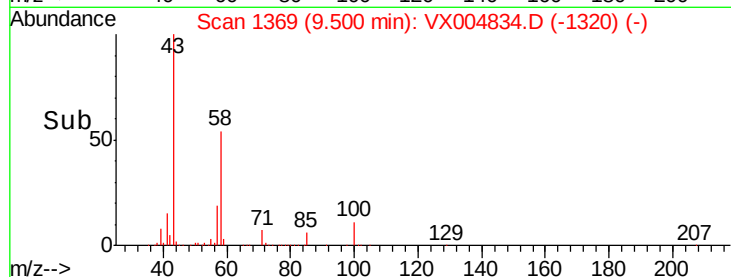
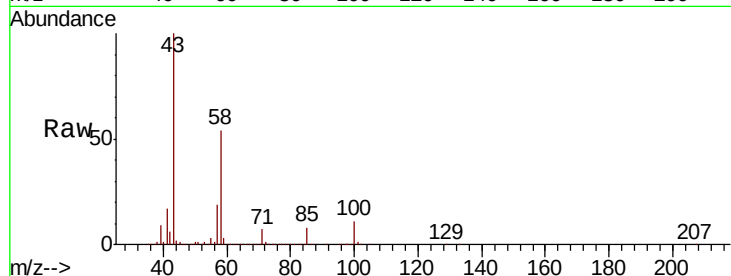




#59
2-Hexanone
Concen: 272.788 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

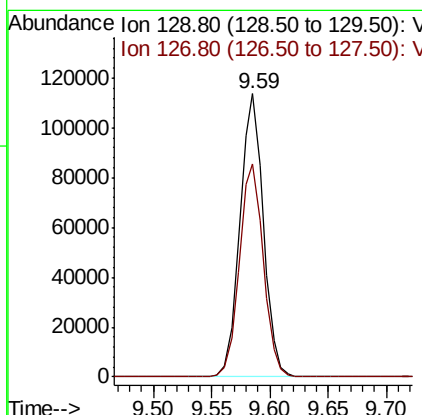
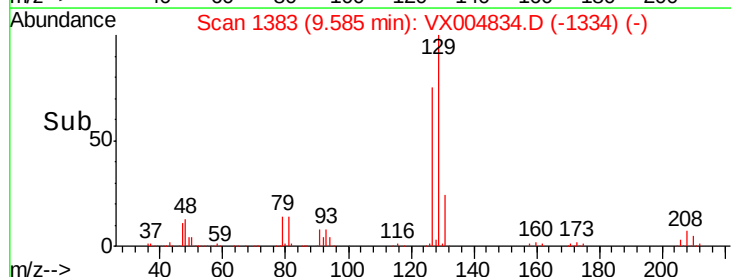
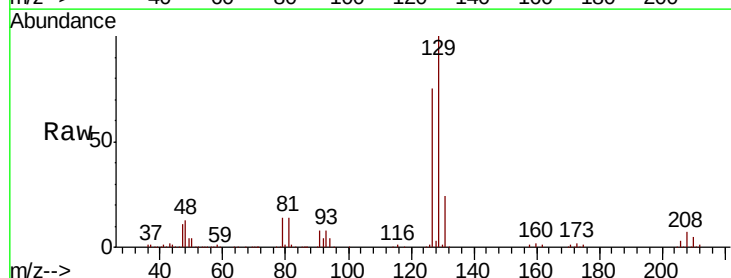
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

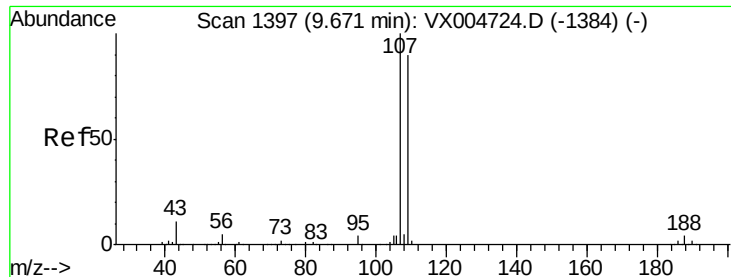
Tot Ion: 43 Resp: 1102375
Ion Ratio Lower Upper
43 100
58 53.5 29.0 87.0



#60
Dibromochloromethane
Concen: 52.717 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion:129 Resp: 159701
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.870 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

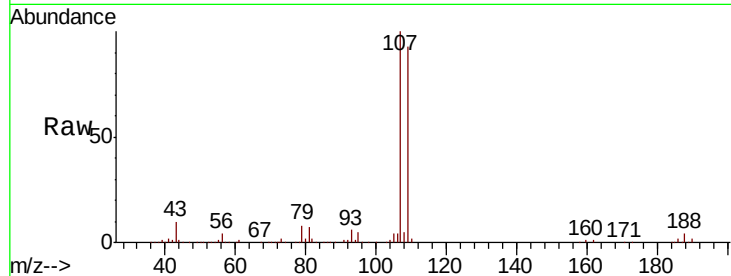
VSTDCCC050EC

Tot Ion:107 Resp: 161785

Ion Ratio Lower Upper

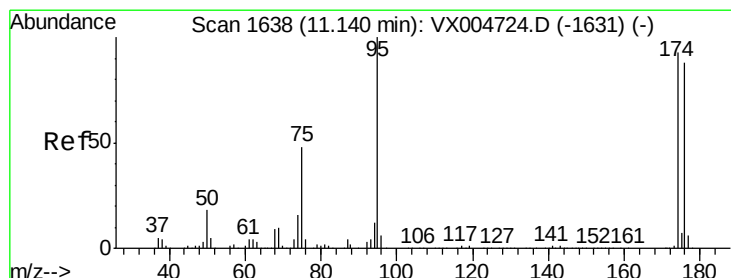
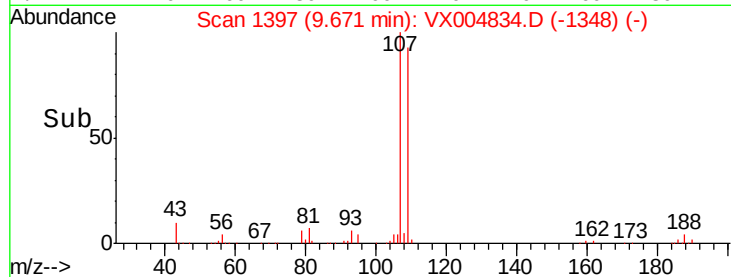
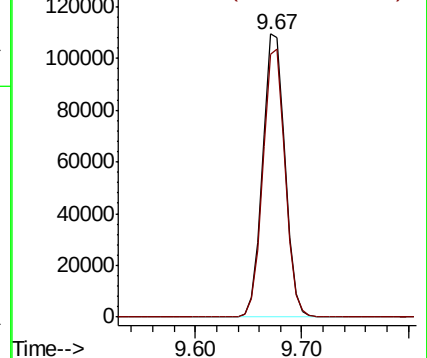
107 100

109 94.6 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: 54.049 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

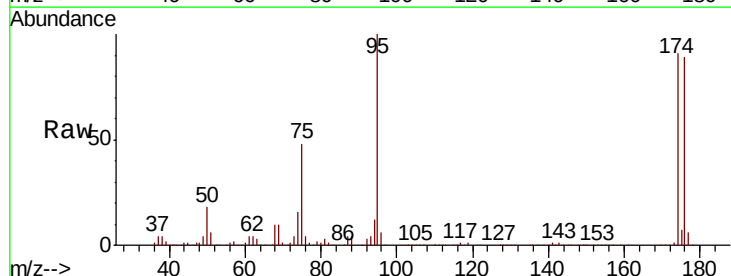
Tgt Ion: 95 Resp: 190728

Ion Ratio Lower Upper

95 100

174 90.3 0.0 185.2

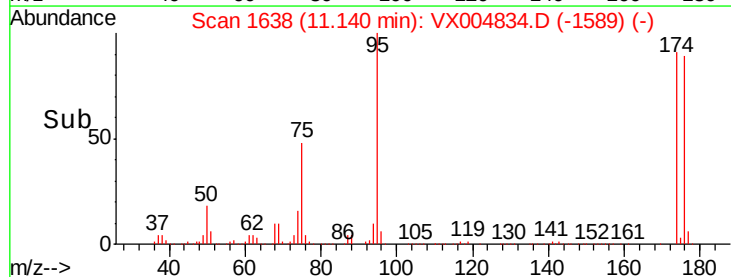
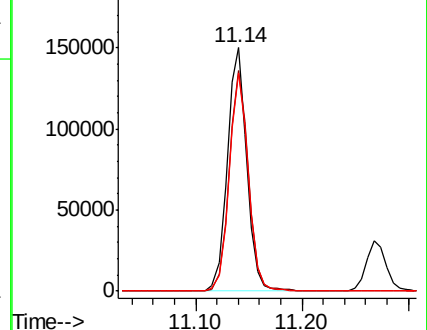
176 88.3 0.0 178.6

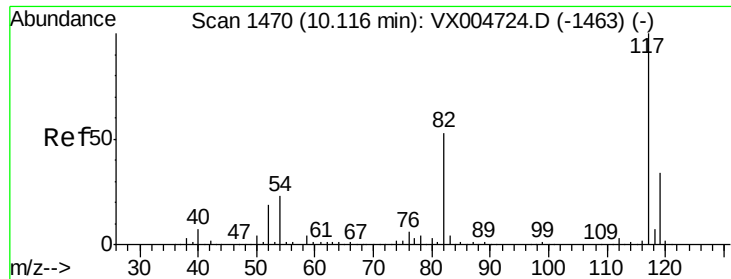


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

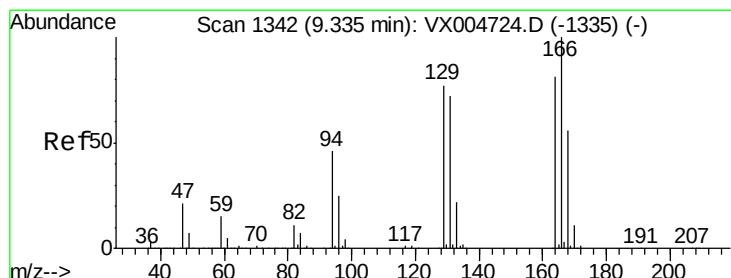
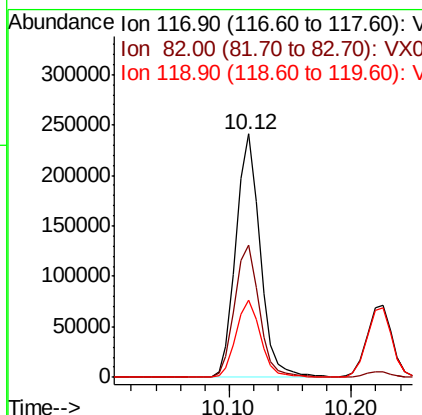
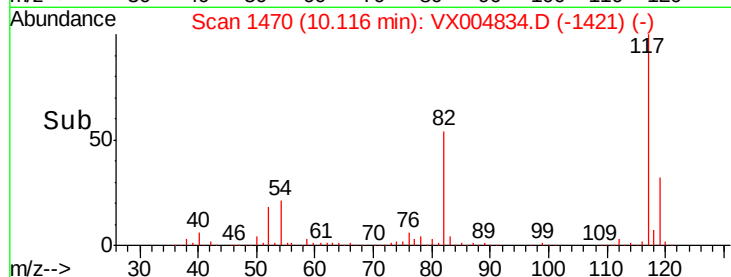
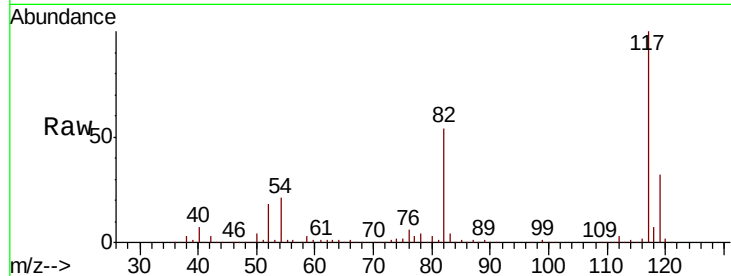




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

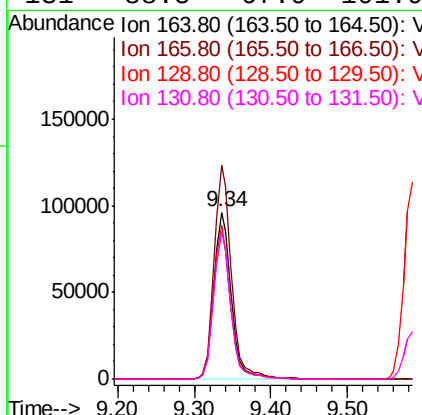
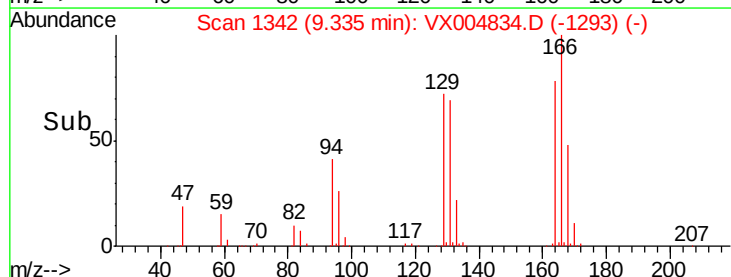
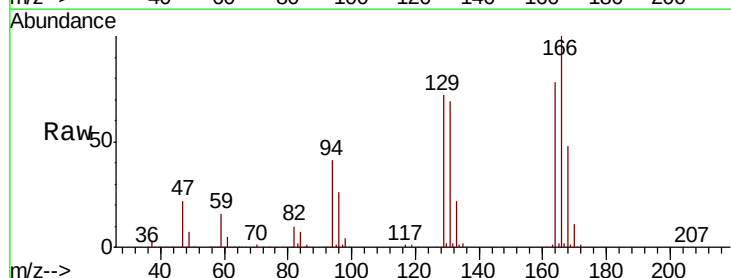
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

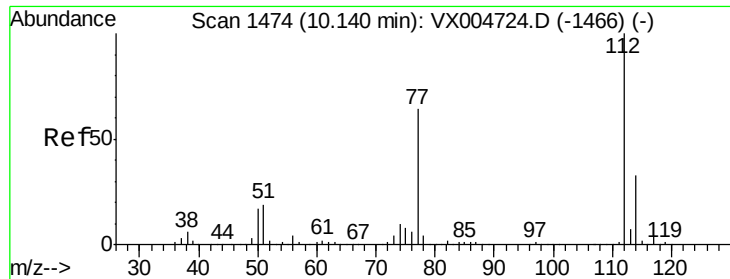
Tot Ion:117 Resp: 331374
Ion Ratio Lower Upper
117 100
82 54.1 47.8 71.6
119 31.5 29.3 43.9



#64
Tetrachloroethene
Concen: 46.376 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion:164 Resp: 151254
Ion Ratio Lower Upper
164 100
166 128.2 102.8 154.2
129 91.8 69.4 104.0
131 88.5 67.9 101.9

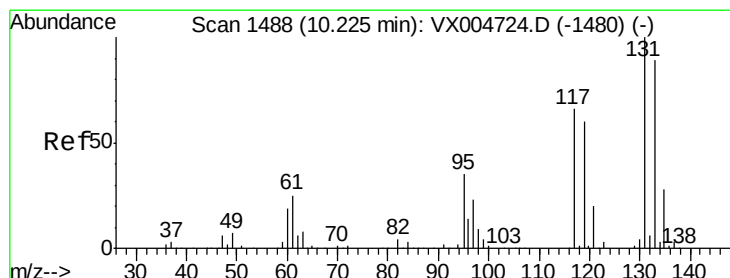
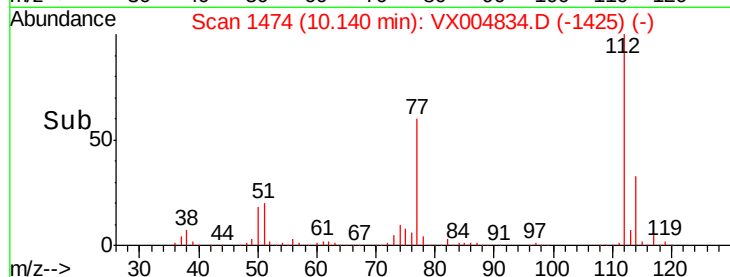
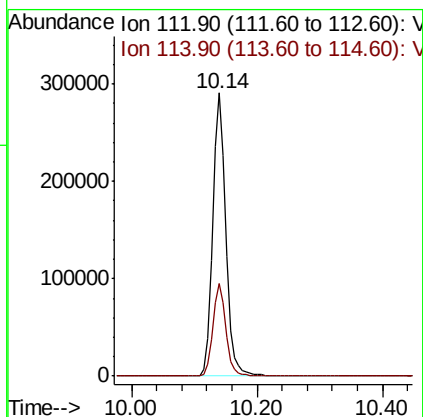
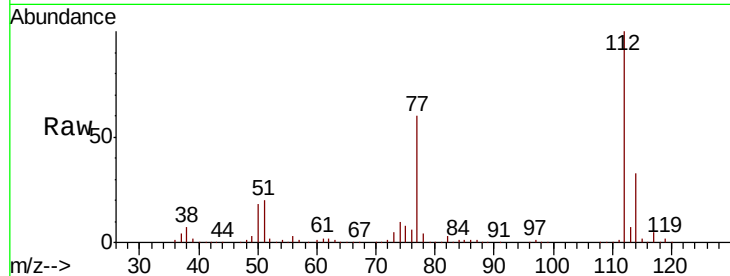




#65
Chlorobenzene
Concen: 49.210 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

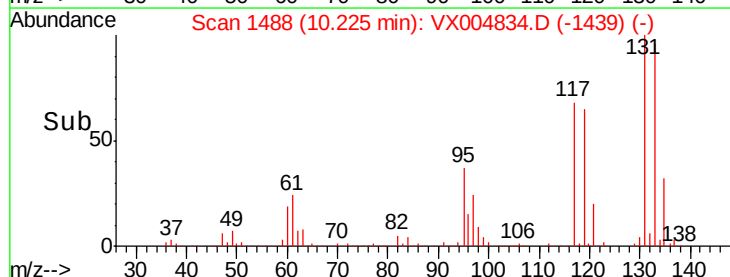
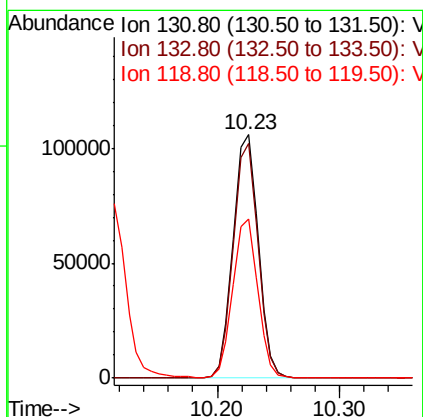
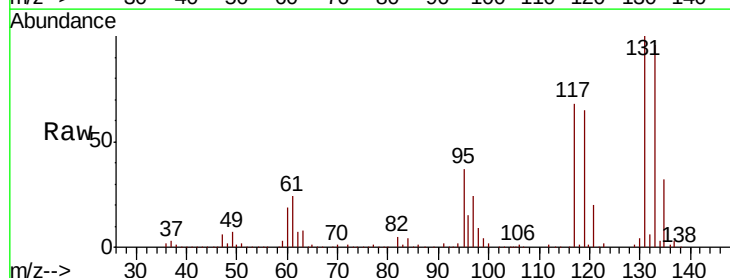
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

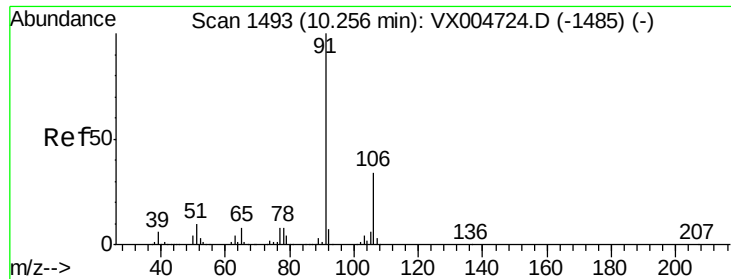
Tot Ion:112 Resp: 418155
Ion Ratio Lower Upper
112 100
114 32.9 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.333 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion:131 Resp: 150360
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.4
119 65.1 32.9 98.6

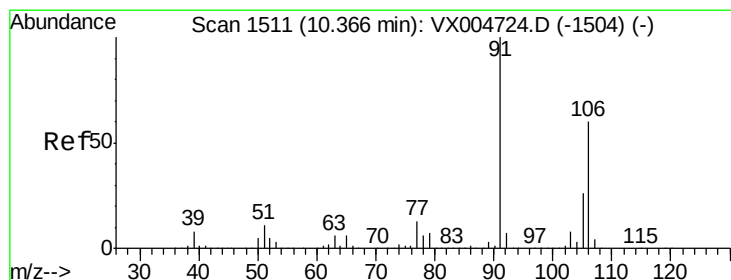
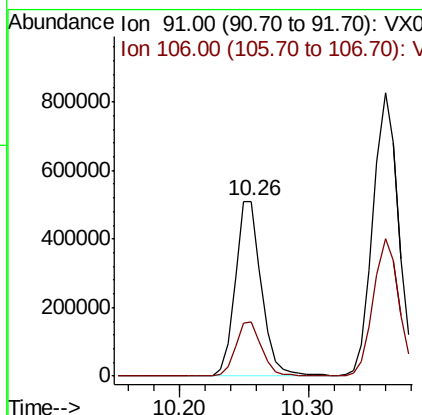
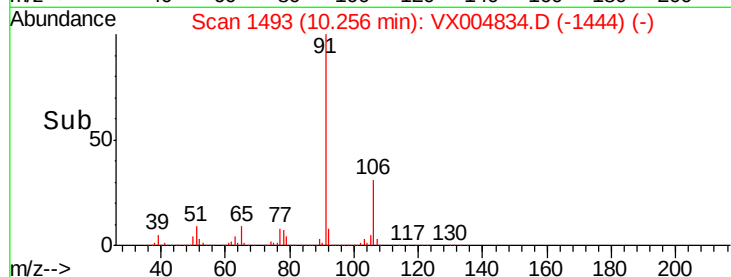
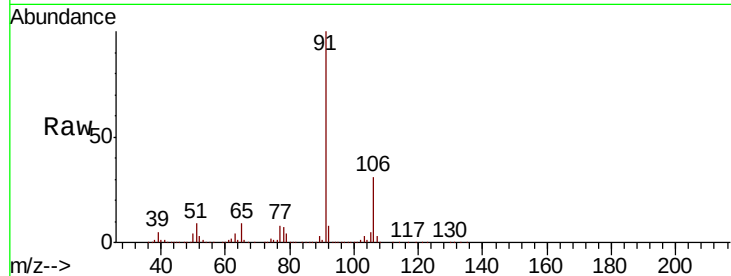




#67
Ethyl Benzene
Concen: 53.561 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

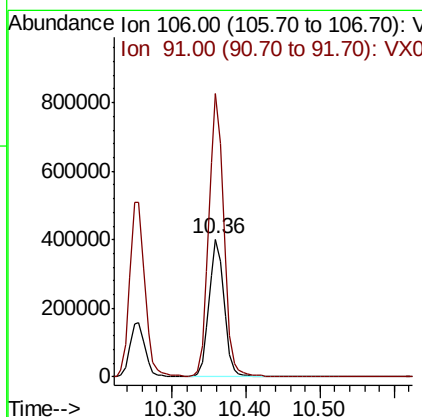
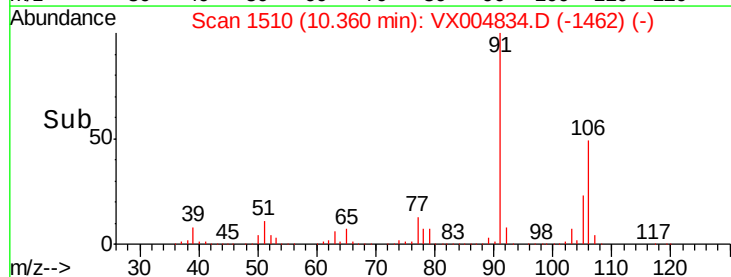
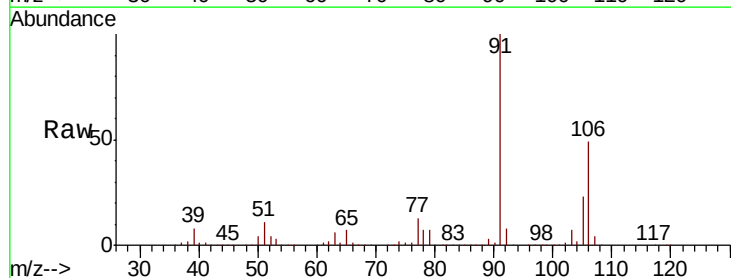
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

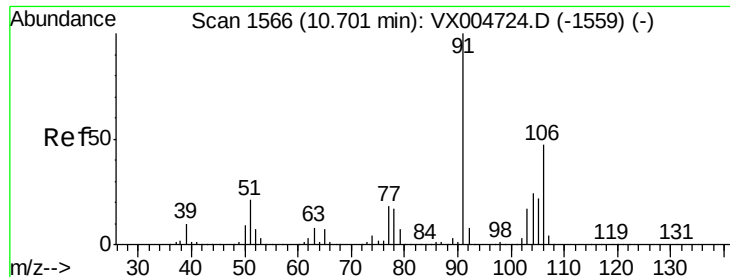
Tot Ion: 91 Resp: 722577
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9



#68
m/p-Xylenes
Concen: 105.824 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 106 Resp: 557877
Ion Ratio Lower Upper
106 100
91 204.6 157.1 235.7

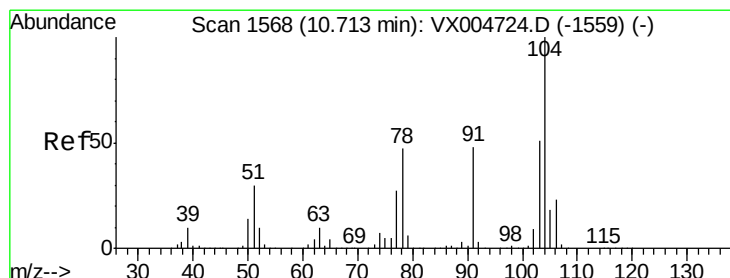
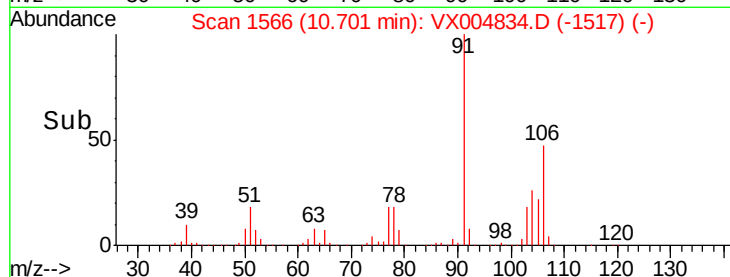
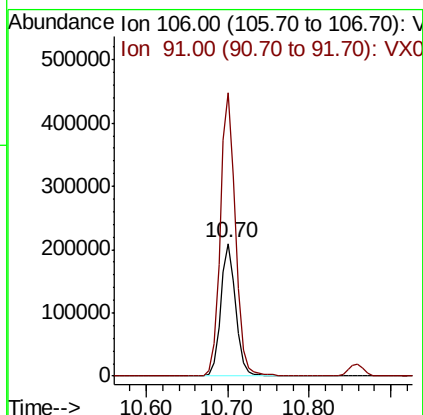
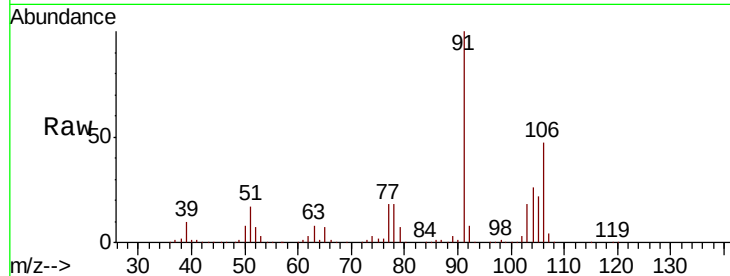




#69
o-Xylene
Concen: 55.574 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

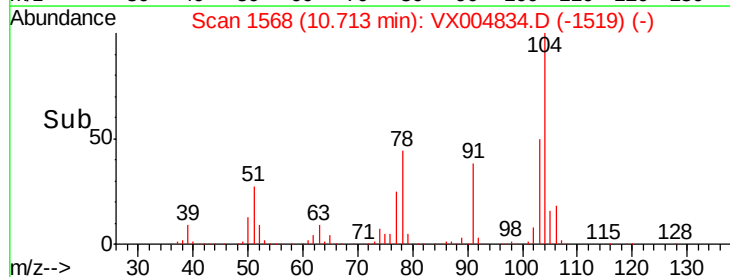
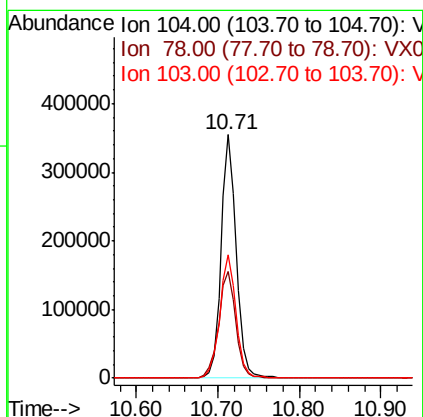
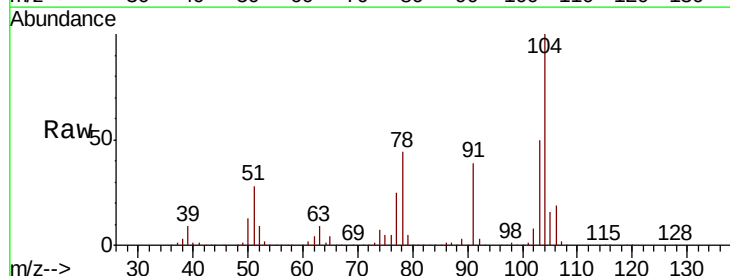
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

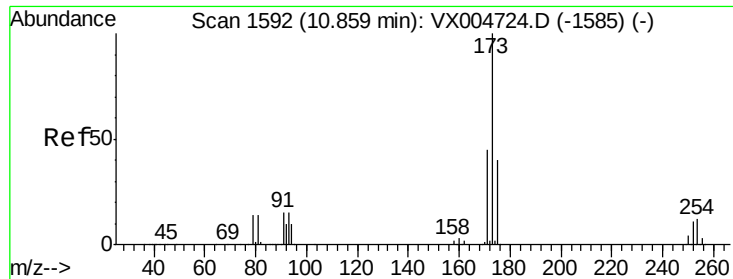
Tot Ion:106 Resp: 269095
Ion Ratio Lower Upper
106 100
91 217.0 105.1 315.1



#70
Styrene
Concen: 50.816 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion:104 Resp: 460526
Ion Ratio Lower Upper
104 100
78 50.0 37.4 56.0
103 54.9 43.8 65.6





#71

Bromoform

Concen: 51.050 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

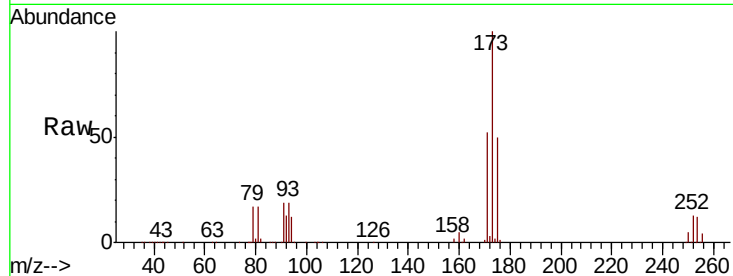
Tot Ion:173 Resp: 130561

Ion Ratio Lower Upper

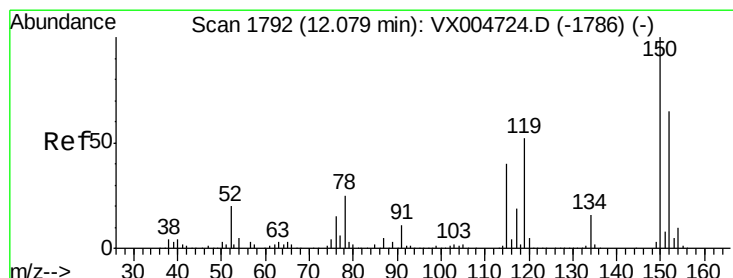
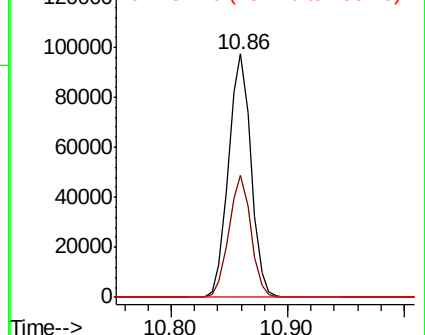
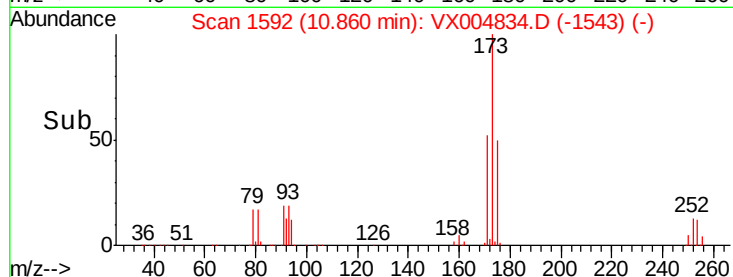
173 100

175 48.9 24.1 72.3

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

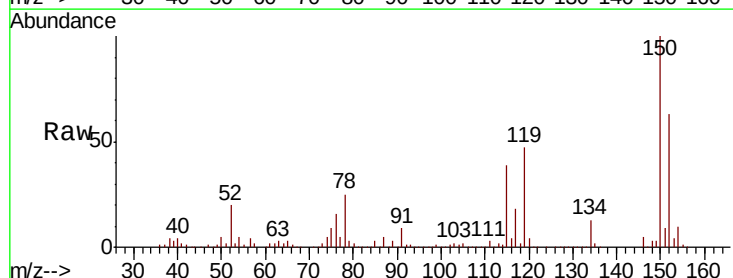
Tgt Ion:152 Resp: 205527

Ion Ratio Lower Upper

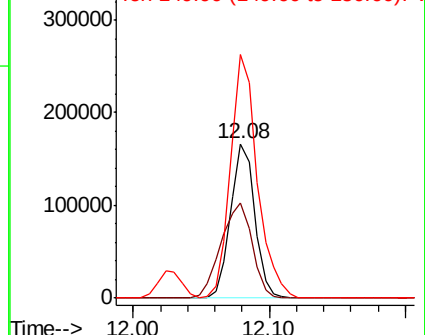
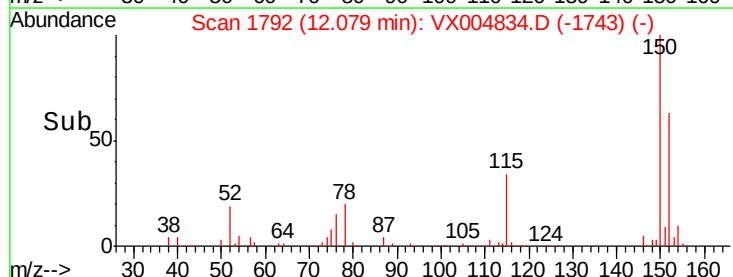
152 100

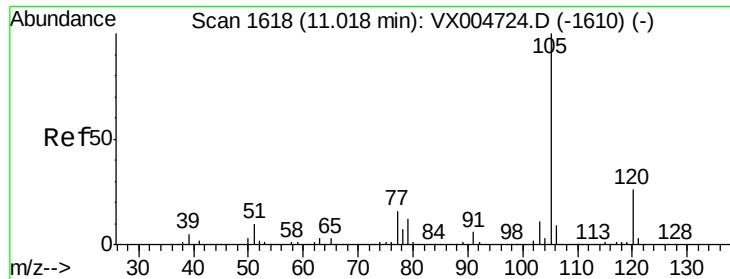
115 79.7 39.0 117.0

150 175.3 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: 56.058 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

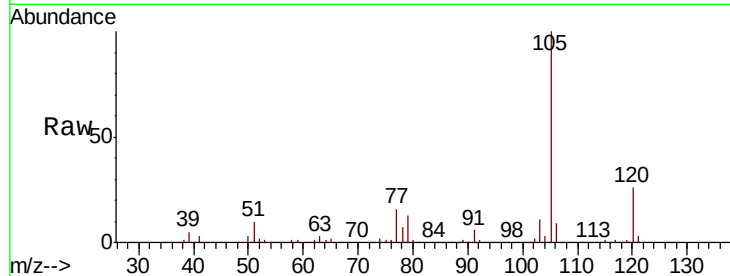
VSTDCCC050EC

Tot Ion:105 Resp: 726212

Ion Ratio Lower Upper

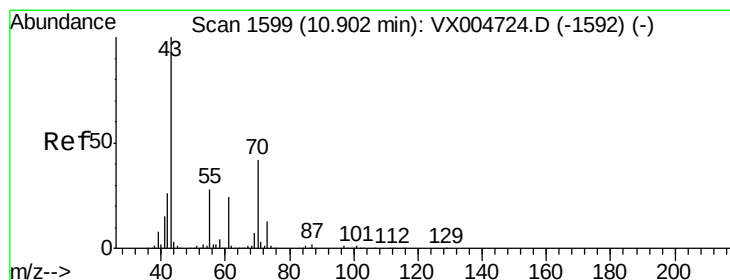
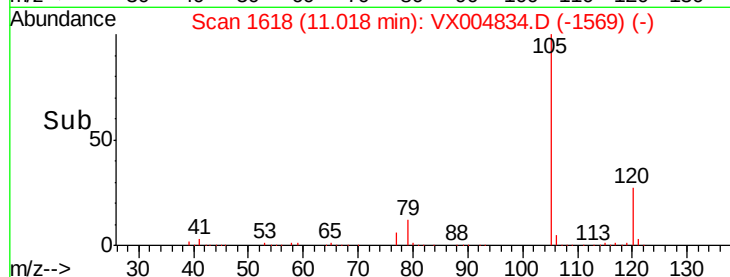
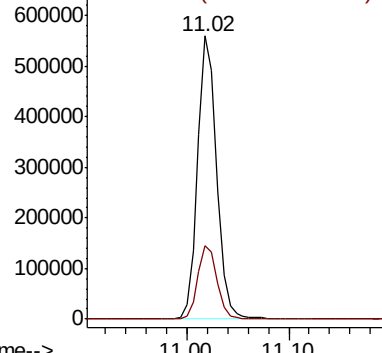
105 100

120 26.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.808 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion: 43 Resp: 361985

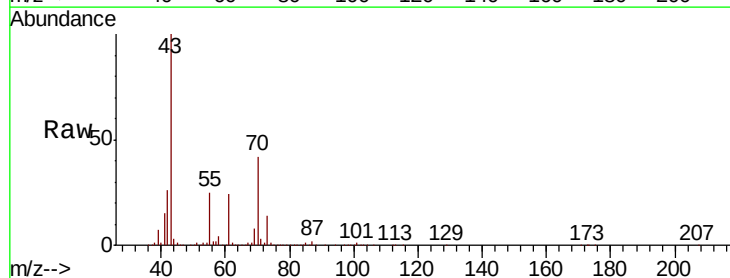
Ion Ratio Lower Upper

43 100

70 40.6 37.4 56.0

55 25.1 21.8 32.8

61 23.9 20.6 30.8

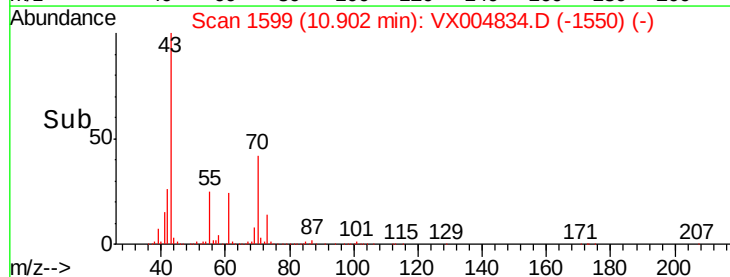
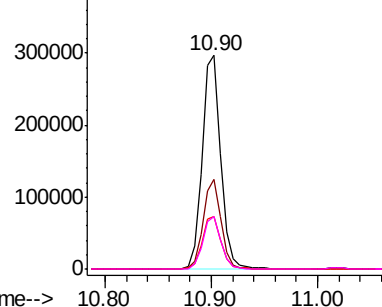


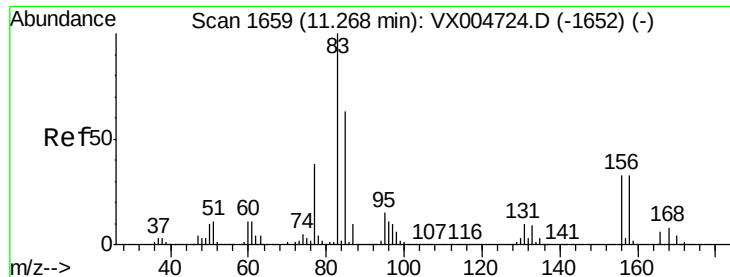
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 48.837 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

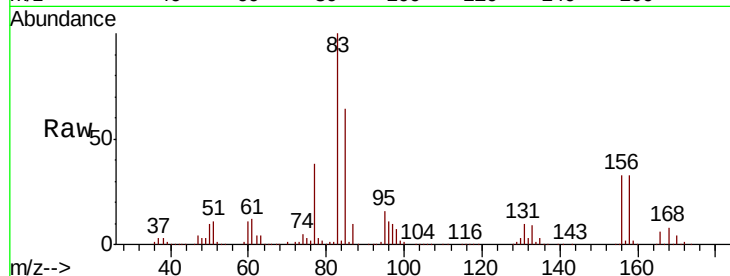
Tot Ion: 83 Resp: 257540

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

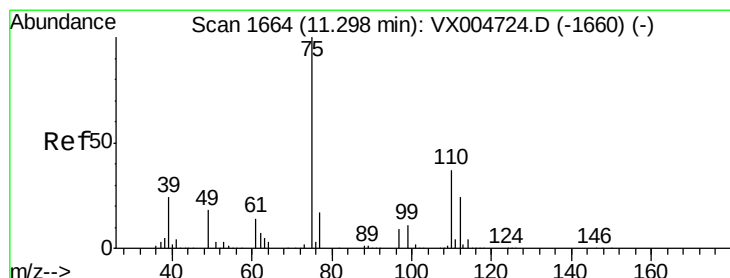
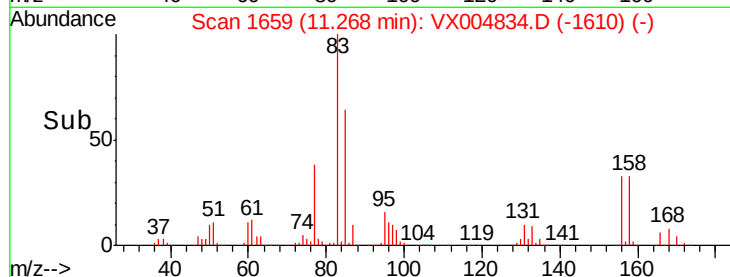
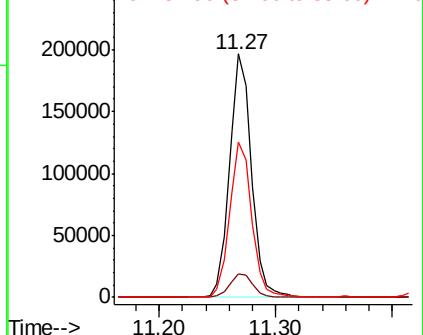
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.082 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004834.D

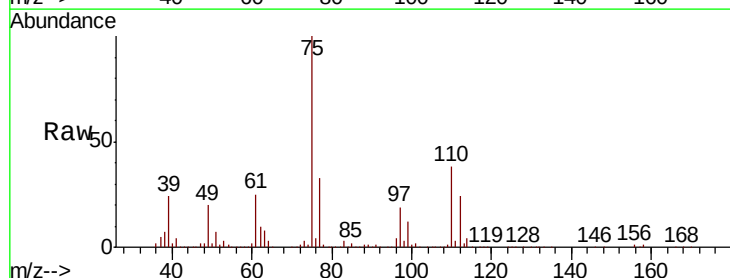
Acq: 28 Sep 2018 20:59

Tgt Ion: 75 Resp: 295200

Ion Ratio Lower Upper

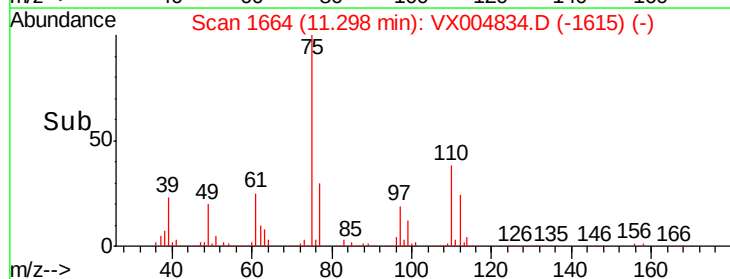
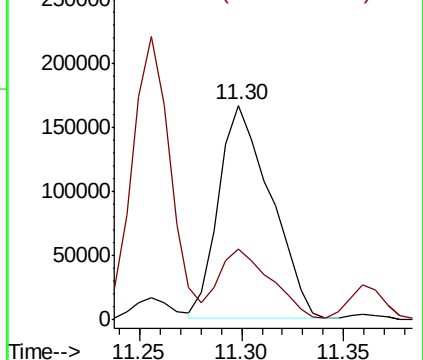
75 100

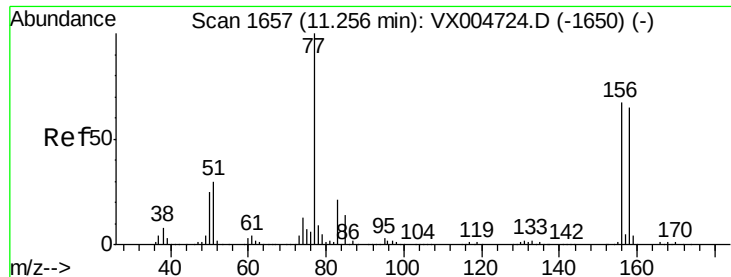
77 33.2 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.578 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

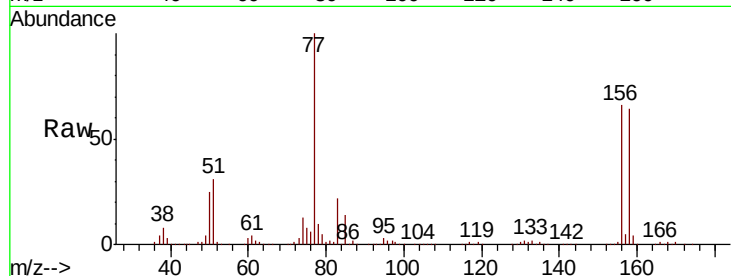
Tot Ion:156 Resp: 194076

Ion Ratio Lower Upper

156 100

77 147.9 71.5 214.3

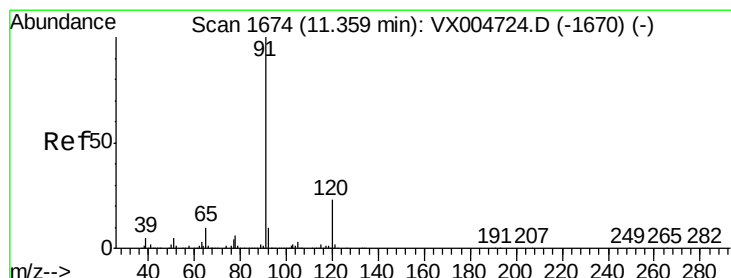
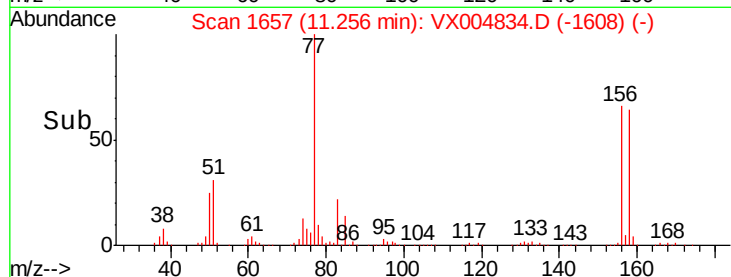
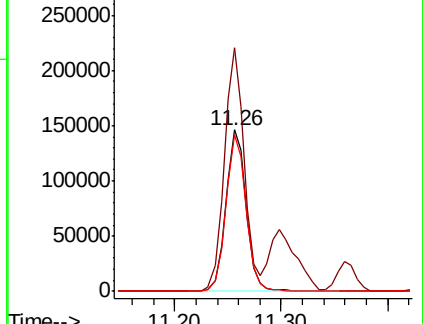
158 97.2 48.9 146.8



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: 56.403 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004834.D

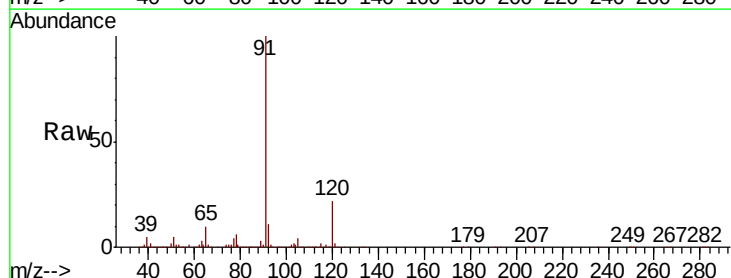
Acq: 28 Sep 2018 20:59

Tgt Ion: 91 Resp: 838370

Ion Ratio Lower Upper

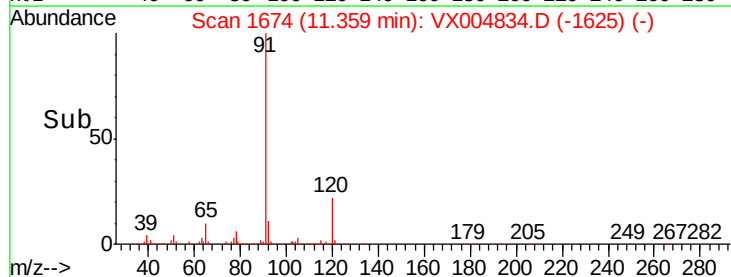
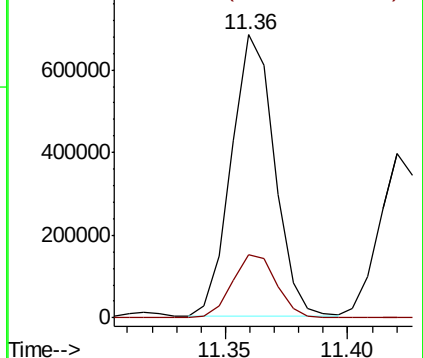
91 100

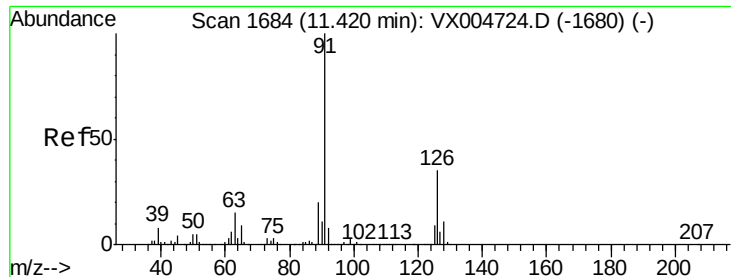
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.808 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

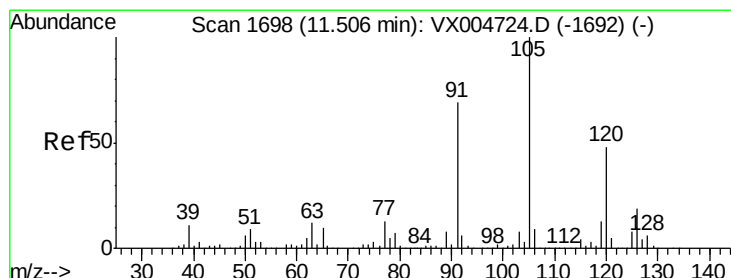
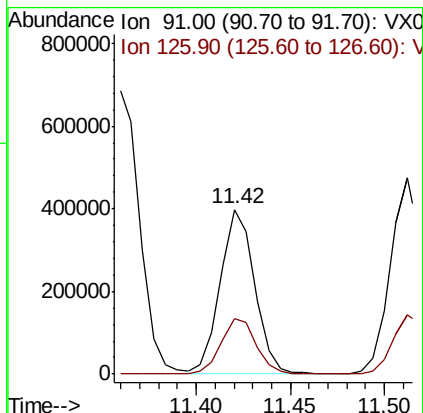
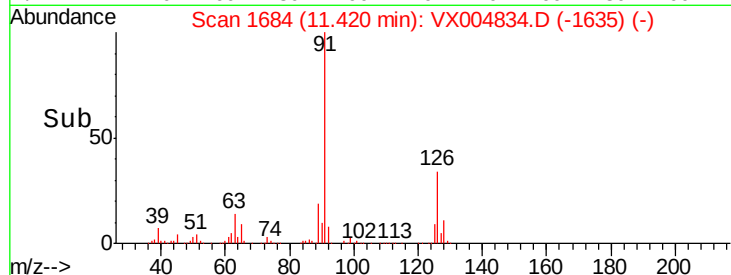
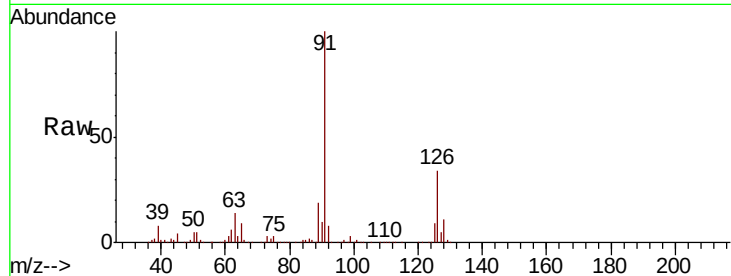
VSTDCCC050EC

Tot Ion: 91 Resp: 498527

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 52.288 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004834.D

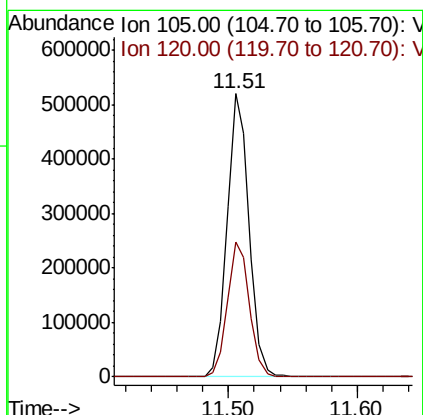
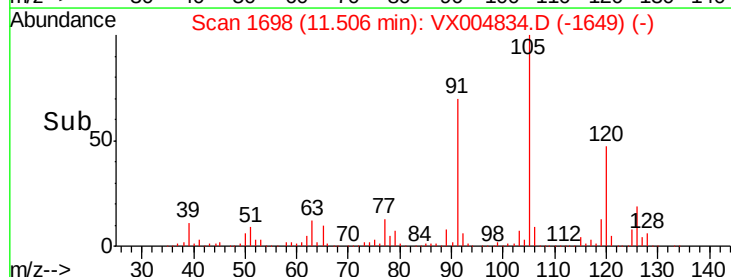
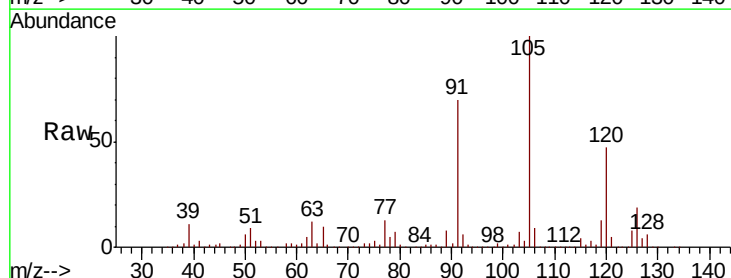
Acq: 28 Sep 2018 20:59

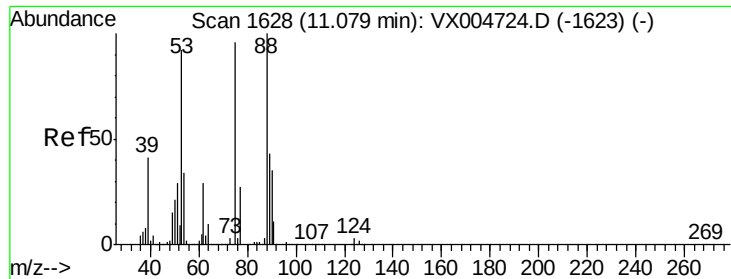
Tgt Ion: 105 Resp: 620730

Ion Ratio Lower Upper

105 100

120 48.1 25.6 76.8

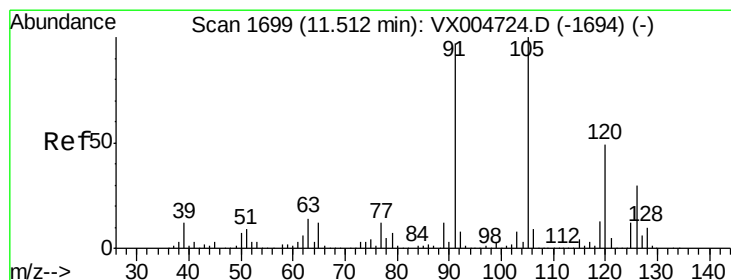
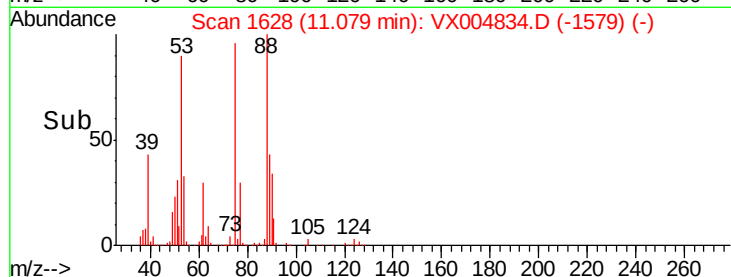
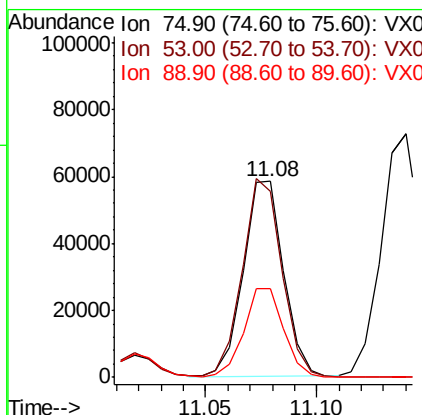
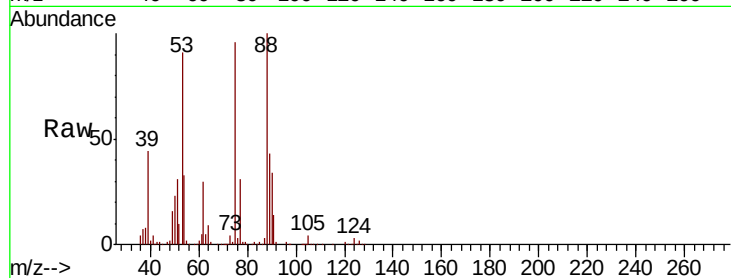




#81
trans-1,4-Dichloro-2-butene
Concen: 43.879 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

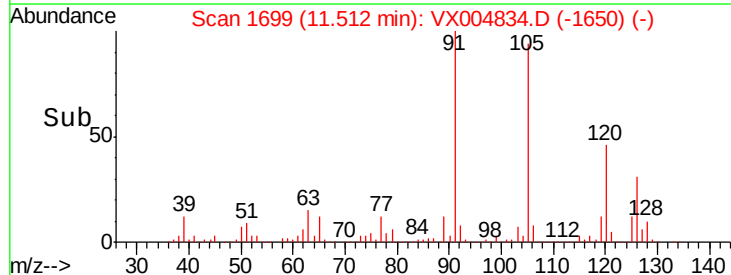
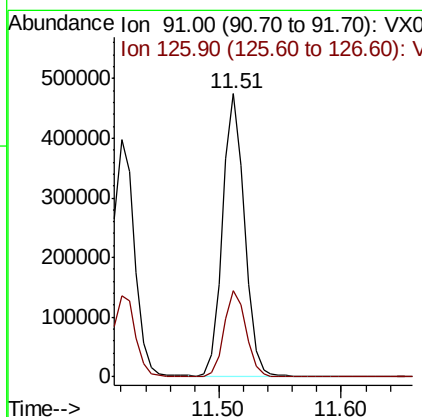
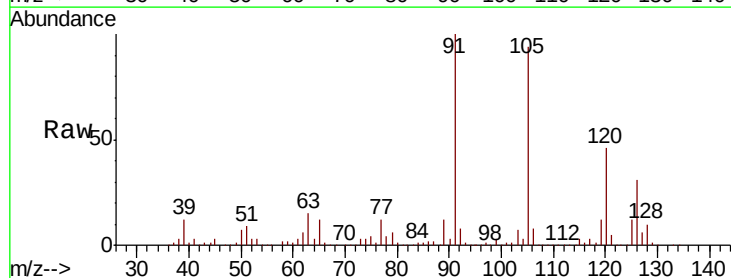
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

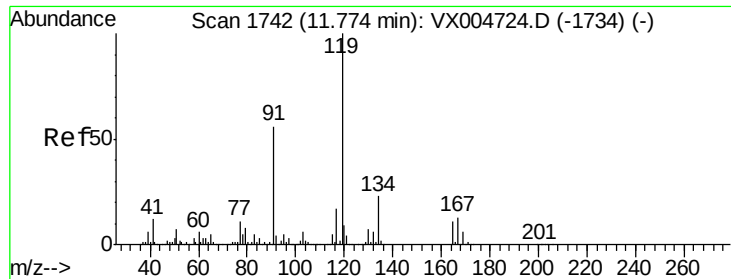
Tot Ion: 75 Resp: 73685
Ion Ratio Lower Upper
75 100
53 99.8 80.1 120.1
89 45.9 37.2 55.8



#82
4-Chlorotoluene
Concen: 54.267 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 91 Resp: 591794
Ion Ratio Lower Upper
91 100
126 30.5 15.5 46.5

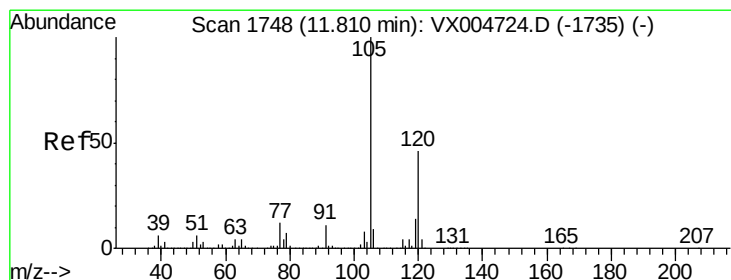
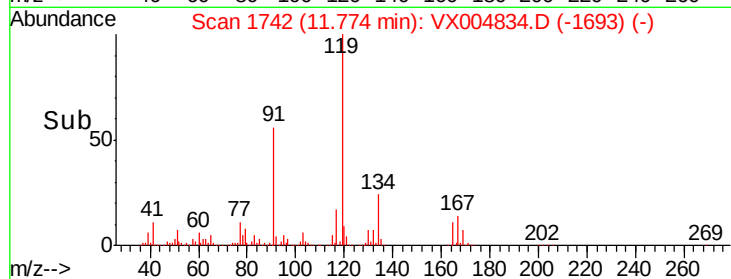
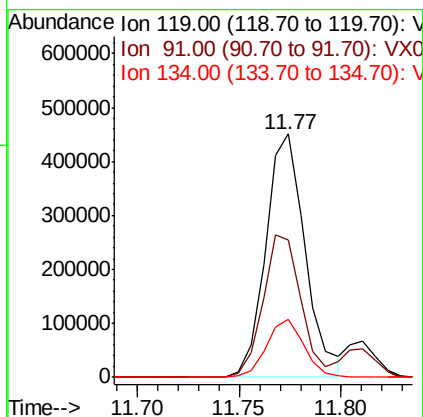
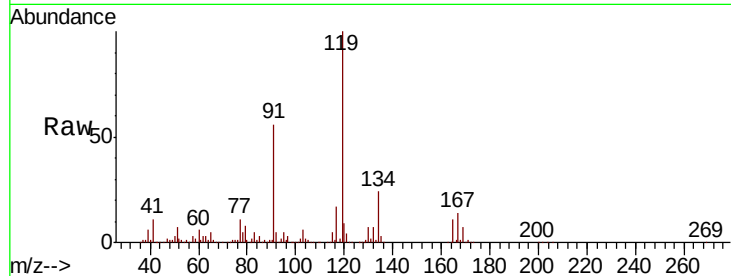




#83
 tert-Butylbenzene
 Concen: 56.829 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

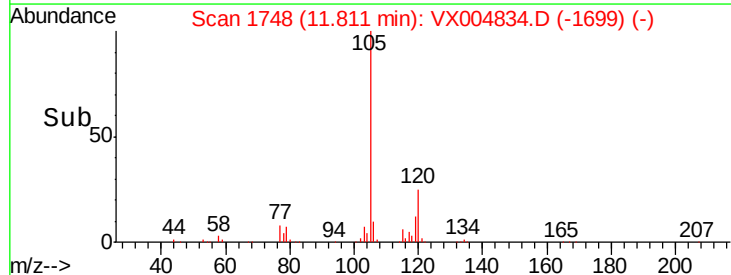
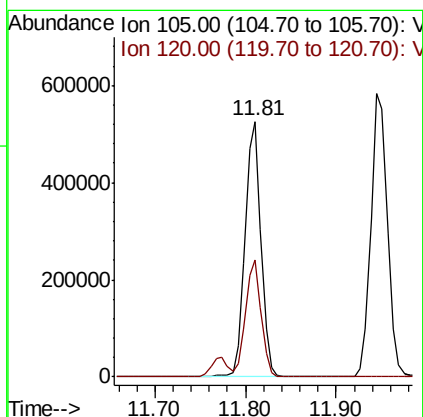
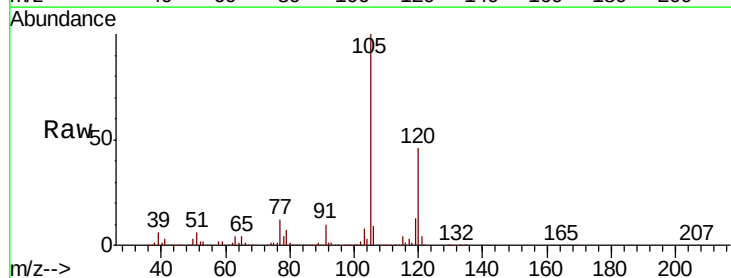
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

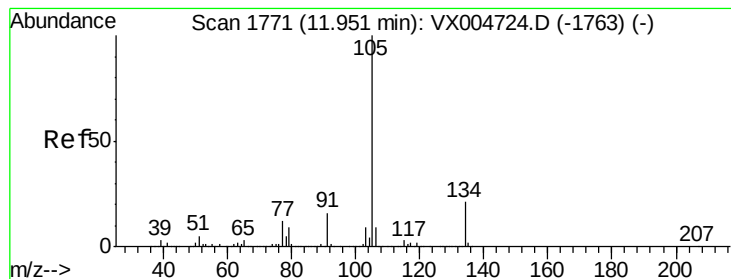
Tot Ion:119 Resp: 606133
 Ion Ratio Lower Upper
 119 100
 91 56.1 27.0 81.0
 134 22.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.175 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion:105 Resp: 638761
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 56.454 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

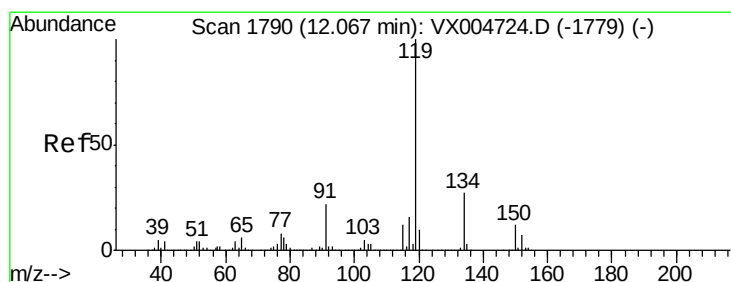
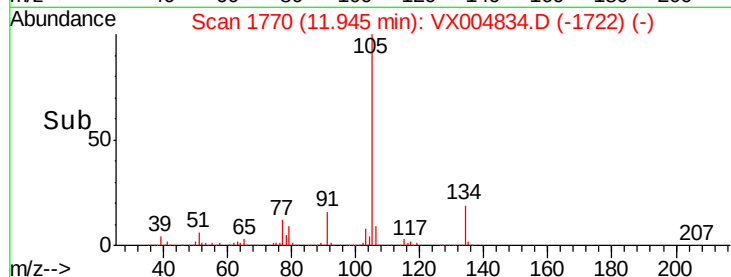
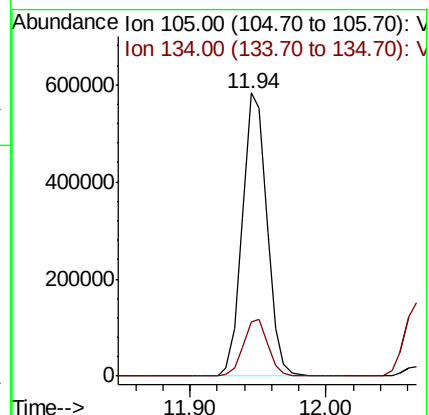
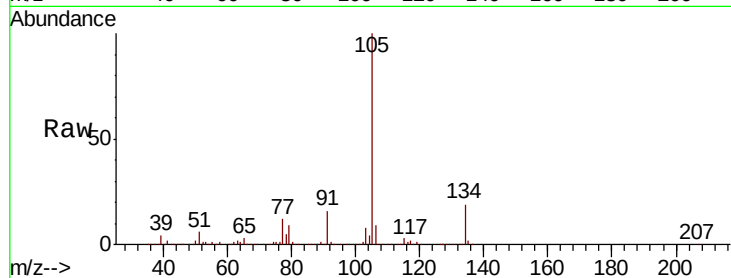
VSTDCCC050EC

Tot Ion:105 Resp: 733420

Ion Ratio Lower Upper

105 100

134 20.2 10.5 31.5



#86

p-Isopropyltoluene

Concen: 56.334 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

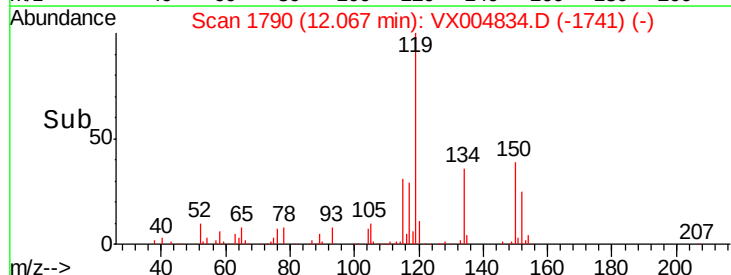
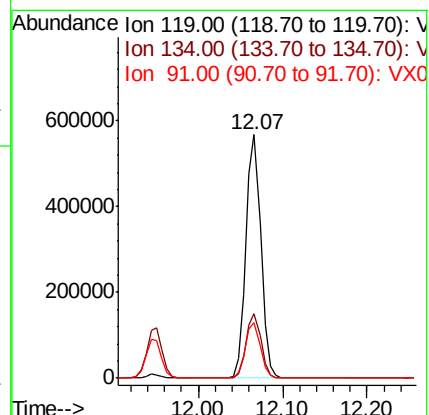
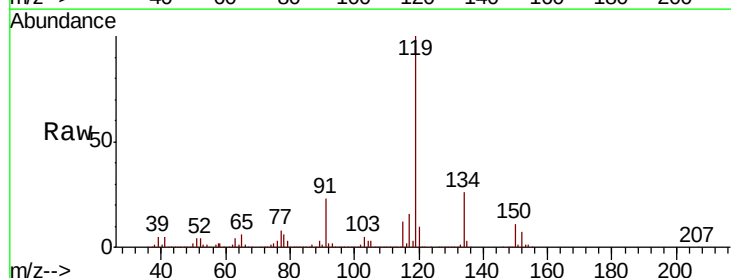
Tgt Ion:119 Resp: 663075

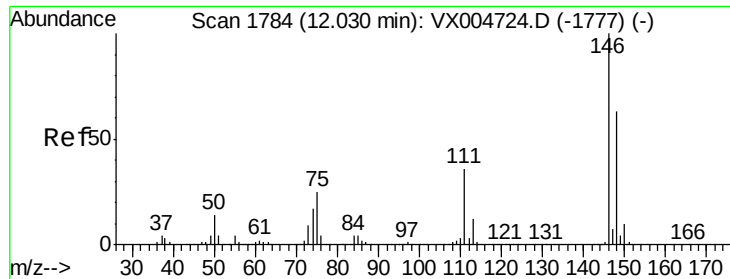
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.9 10.9 32.7

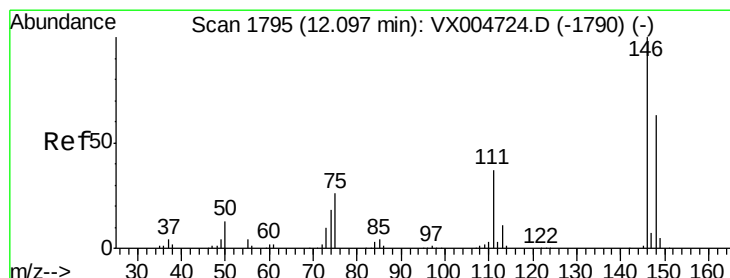
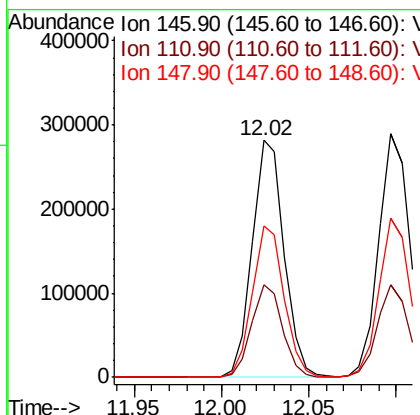
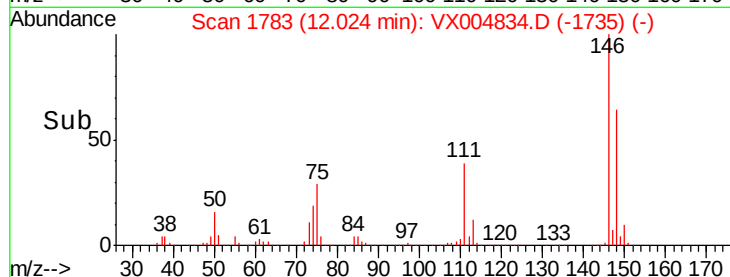
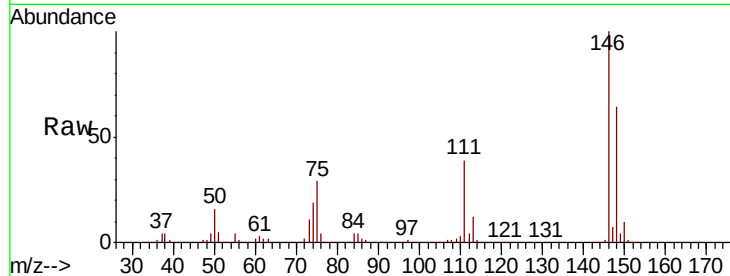




#87
 1,3-Dichlorobenzene
 Concen: 50.773 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

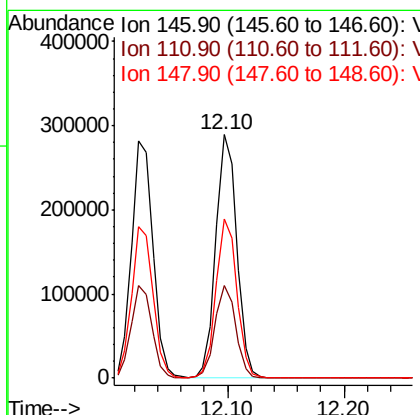
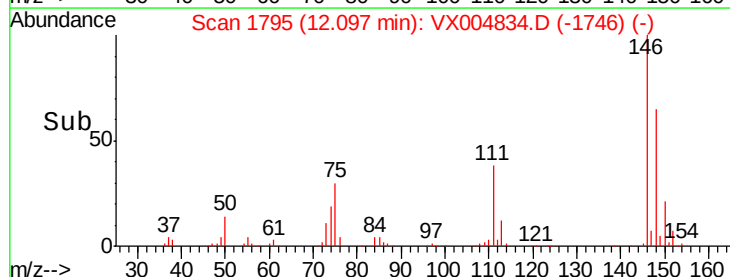
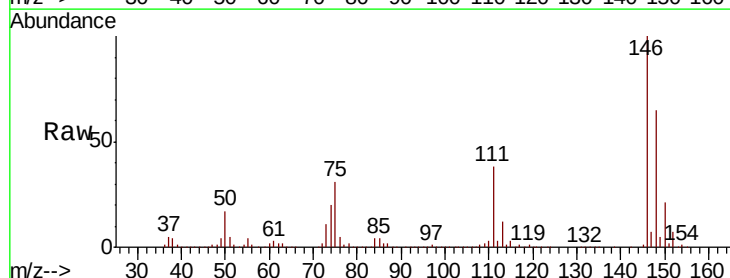
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

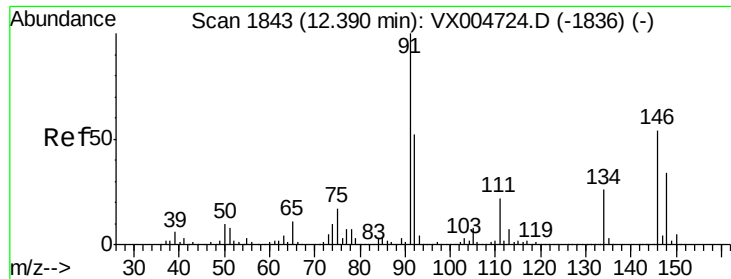
Tot Ion:146 Resp: 356743
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.7 56.1
 148 64.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.464 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion:146 Resp: 358768
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.1
 148 64.9 32.0 96.0





#89

n-Butylbenzene

Concen: 55.399 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

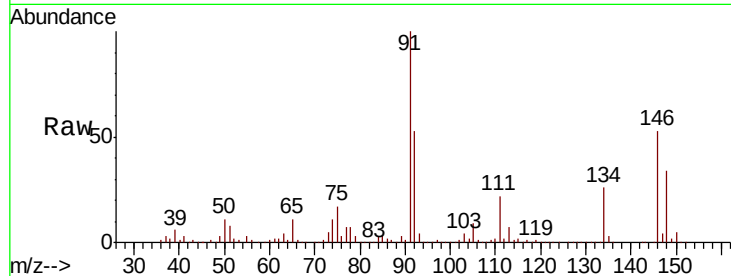
Tot Ion: 91 Resp: 592203

Ion Ratio Lower Upper

91 100

92 52.5 27.3 81.9

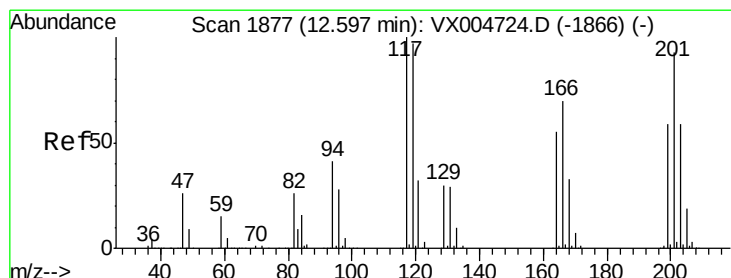
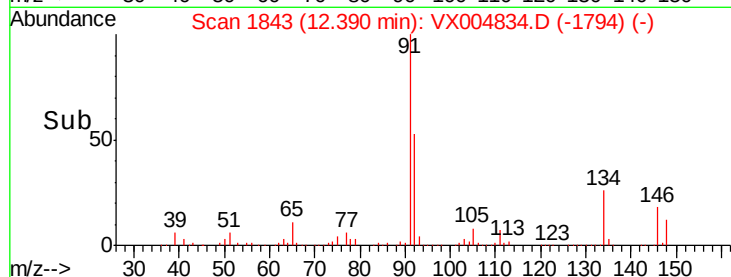
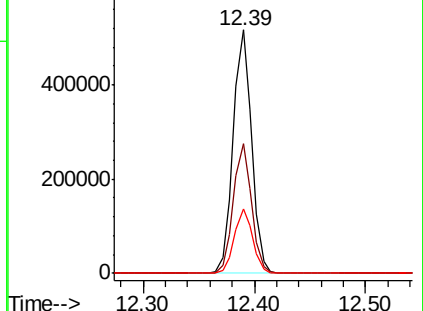
134 26.1 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.741 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX004834.D

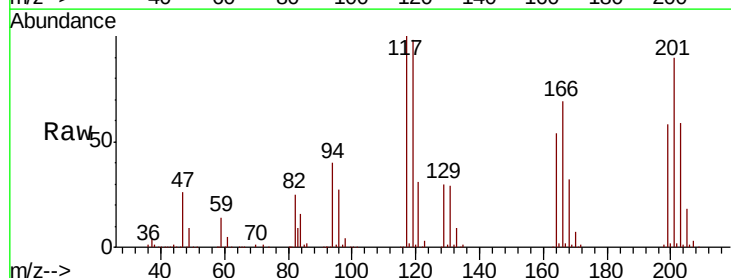
Acq: 28 Sep 2018 20:59

Tgt Ion: 117 Resp: 105318

Ion Ratio Lower Upper

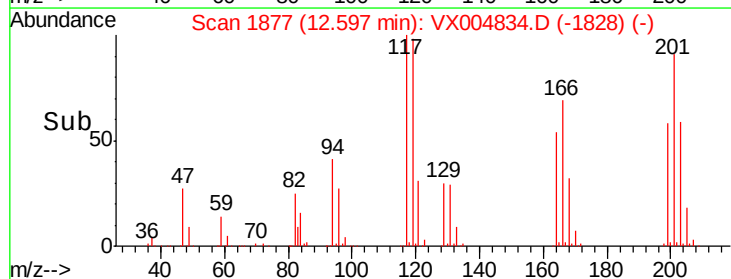
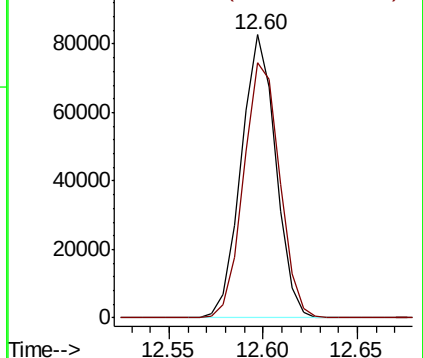
117 100

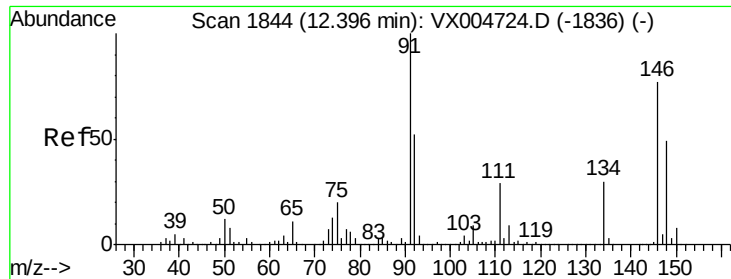
201 93.9 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.433 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

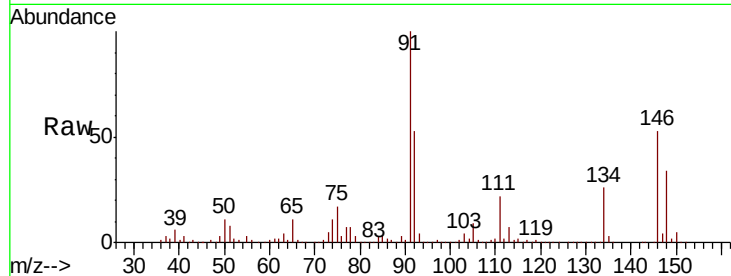
Tot Ion:146 Resp: 362969

Ion Ratio Lower Upper

146 100

111 39.6 19.4 58.1

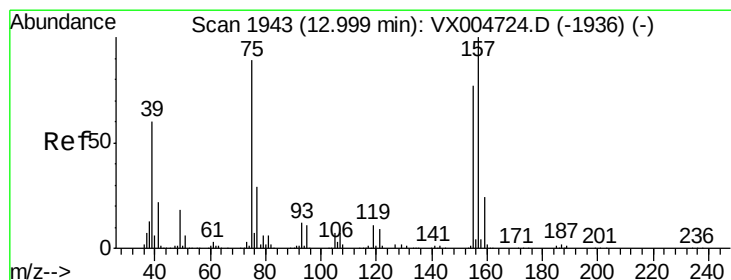
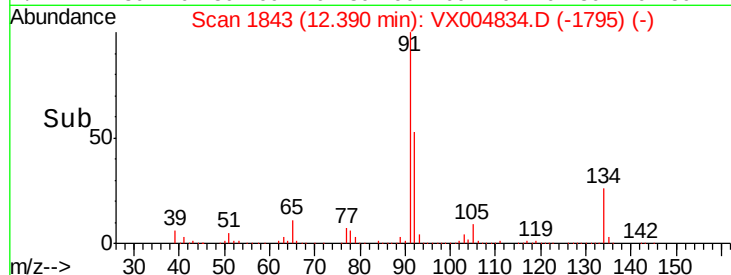
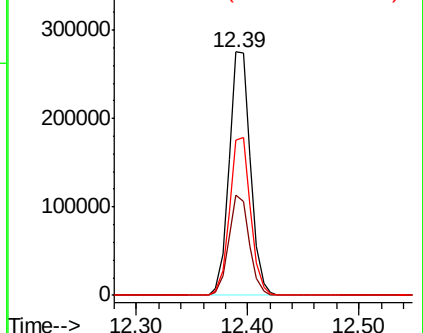
148 64.1 32.8 98.3



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: 53.509 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

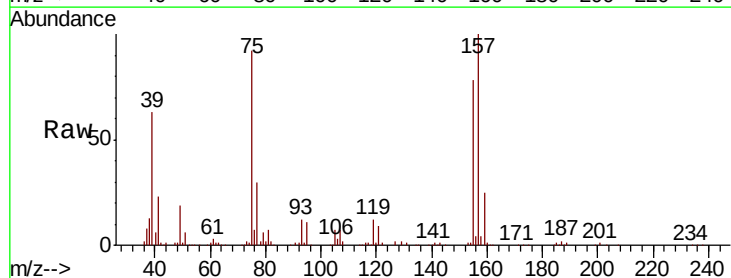
Tgt Ion: 75 Resp: 61957

Ion Ratio Lower Upper

75 100

155 92.1 48.0 144.2

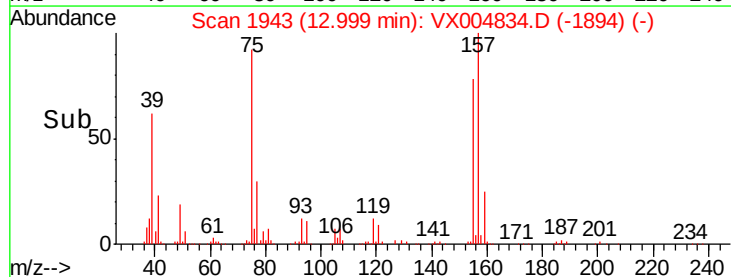
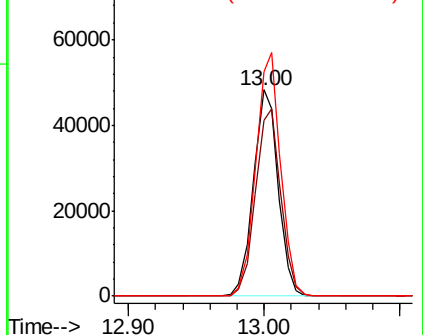
157 117.9 61.4 184.1

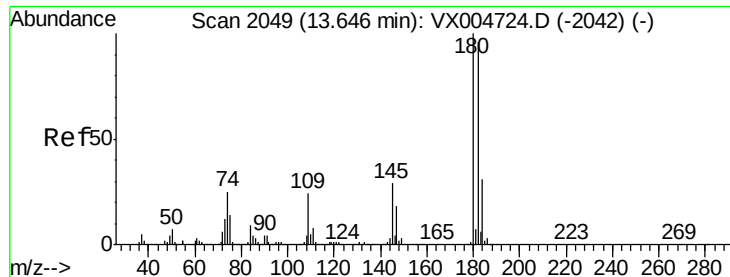


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

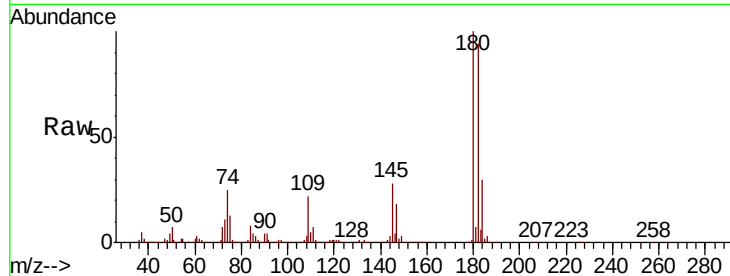




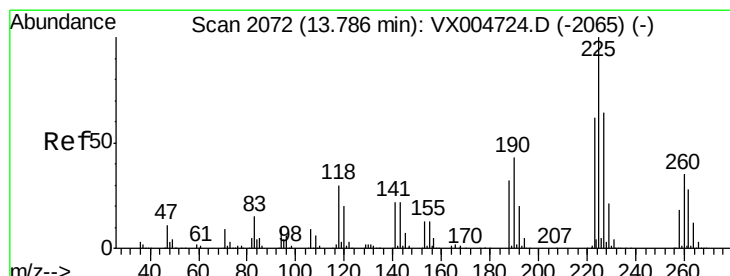
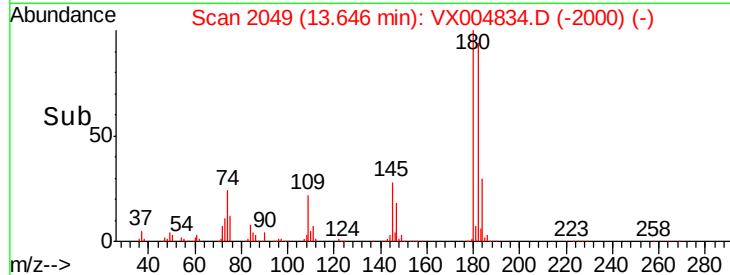
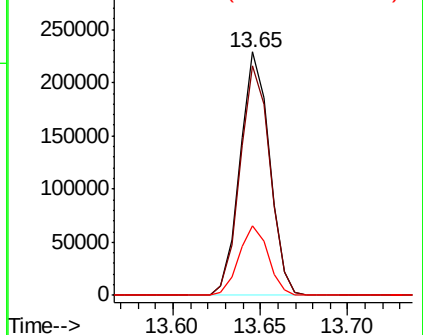
#93
 1,2,4-Trichlorobenzene
 Concen: 52.384 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 269817
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.4 145.0
 145 28.3 14.3 42.9

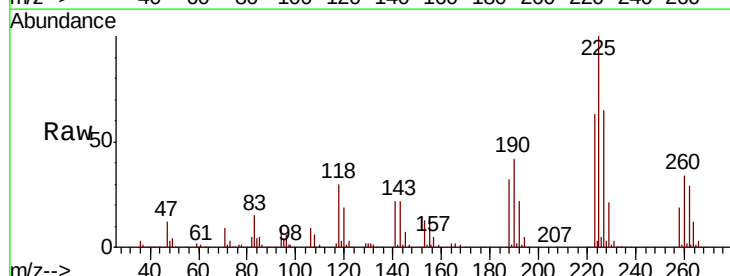


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

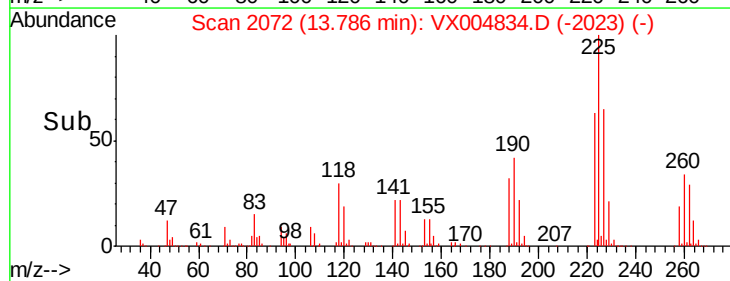
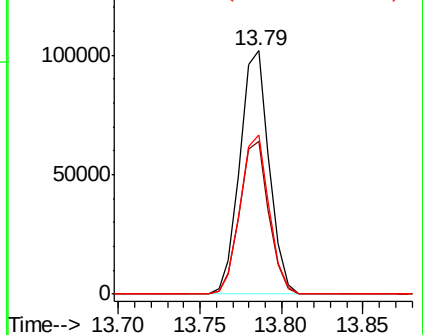


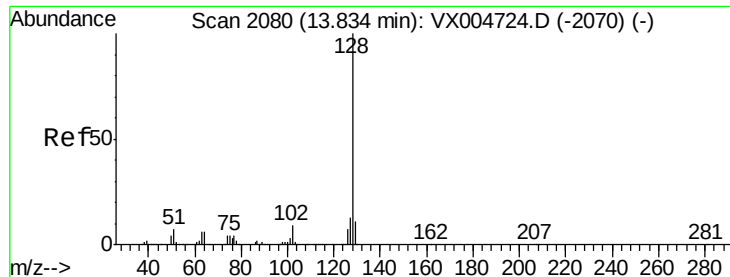
#94
 Hexachlorobutadiene
 Concen: 47.692 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion:225 Resp: 127382
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.1 90.5
 227 64.8 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: 51.011 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

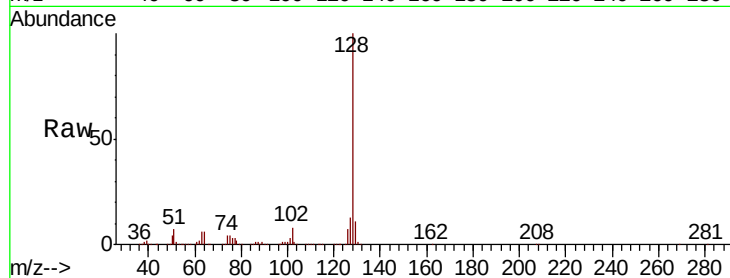
Tot Ion:128 Resp: 872328

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

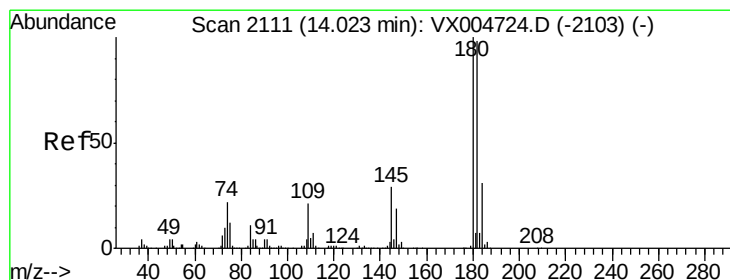
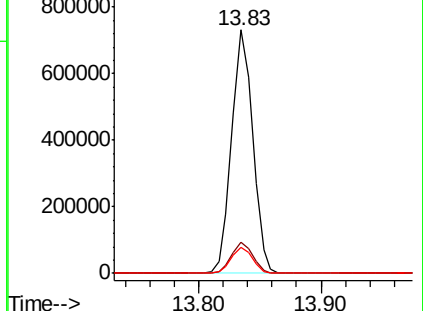
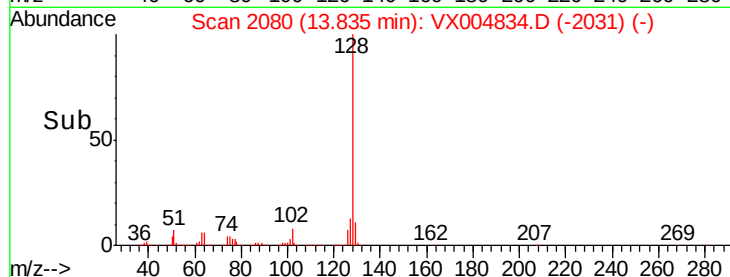
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.144 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

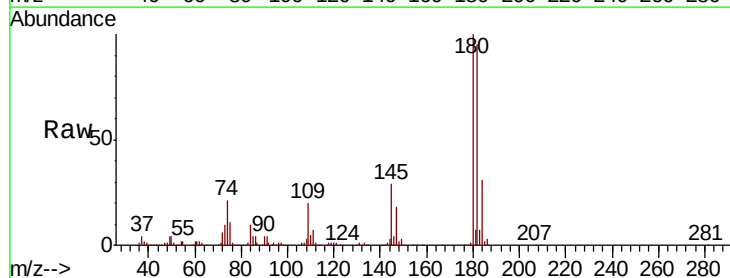
Tgt Ion:180 Resp: 277450

Ion Ratio Lower Upper

180 100

182 95.6 48.5 145.6

145 30.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

