

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011414.D
 Acq On : 09 Aug 2019 16:52
 Operator : JC/SP
 Sample : K4279-07MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Quant Time: Aug 11 00:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96231	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
35) Dibromofluoromethane	5.49	113	83760	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	8.71	98	307050	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.13	95	121174	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	61067	46.324	ug/l	100
3) Chloromethane	1.32	50	65298	44.109	ug/l	99
4) Vinyl Chloride	1.40	62	72804	44.710	ug/l	99
5) Bromomethane	1.63	94	49357	42.500	ug/l	100
6) Chloroethane	1.71	64	48296	47.791	ug/l	100
7) Trichlorofluoromethane	1.92	101	131672	45.477	ug/l	97
8) Diethyl Ether	2.18	74	46479	44.957	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74415	47.500	ug/l	97
10) Methyl Iodide	2.50	142	99725	50.491	ug/l	97
11) Tert butyl alcohol	3.04	59	90045	262.706	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73933	47.608	ug/l	93
13) Acrolein	2.29	56	51692	242.662	ug/l	96
14) Allyl chloride	2.72	41	111433	53.825	ug/l	96
15) Acrylonitrile	3.14	53	220929	270.106	ug/l	99
16) Acetone	2.43	43	187123	228.714	ug/l	92
17) Carbon Disulfide	2.56	76	168403	46.211	ug/l	99
18) Methyl Acetate	2.76	43	103439	55.324	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	252866	55.254	ug/l	# 71
20) Methylene Chloride	2.85	84	85179	47.538	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	79998	48.698	ug/l	90
22) Diisopropyl ether	3.85	45	242550	53.306	ug/l	98
23) Vinyl Acetate	3.81	43	1073720	284.510	ug/l	98
24) 1,1-Dichloroethane	3.69	63	139952	52.162	ug/l	98
25) 2-Butanone	4.67	43	306264	263.153	ug/l	98
26) 2,2-Dichloropropane	4.57	77	107858	51.714	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	95164	50.294	ug/l	96
28) Bromochloromethane	5.01	49	60654	49.588	ug/l	97
29) Tetrahydrofuran	5.12	42	193962	271.809	ug/l	97
30) Chloroform	5.20	83	154662	53.037	ug/l	98
31) Cyclohexane	5.57	56	294923	133.235	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	137627	55.094	ug/l	99
36) 1,1-Dichloropropene	5.79	75	107946	48.366	ug/l	98
37) Ethyl Acetate	4.82	43	116958	52.243	ug/l	99
38) Carbon Tetrachloride	5.78	117	120103	53.488	ug/l	97

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Quant Time: Aug 11 00:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	197583	74.686	ug/l	98
40) Benzene	6.13	78	376135	56.476	ug/l	97
41) Methacrylonitrile	5.03	41	64540	52.787	ug/l	97
42) 1,2-Dichloroethane	6.18	62	123672	54.914	ug/l	97
43) Isopropyl Acetate	6.44	43	189182	52.855	ug/l	100
44) Trichloroethene	7.21	130	94619	46.936	ug/l	100
45) 1,2-Dichloropropane	7.51	63	86079	49.905	ug/l	94
46) Dibromomethane	7.66	93	63189	50.183	ug/l	96
47) Bromodichloromethane	7.90	83	117140	54.947	ug/l	98
48) Methyl methacrylate	7.76	41	96301	57.171	ug/l	98
49) 1,4-Dioxane	7.73	88	42171	863.572	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	628758	272.201	ug/l	99
52) Toluene	8.78	92	220041	49.970	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	125285	50.436	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	134693	54.087	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	90824	50.165	ug/l	98
56) Ethyl methacrylate	9.18	69	144255	55.911	ug/l	98
57) 1,3-Dichloropropane	9.37	76	146449	51.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	321956	253.789	ug/l	99
59) 2-Hexanone	9.49	43	487317	272.371	ug/l	99
60) Dibromochloromethane	9.58	129	101812	54.926	ug/l	97
61) 1,2-Dibromoethane	9.67	107	100756	51.509	ug/l	99
64) Tetrachloroethene	9.34	164	93865	46.699	ug/l	95
65) Chlorobenzene	10.13	112	250003	49.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	95149	54.766	ug/l	98
67) Ethyl Benzene	10.25	91	1953991	229.910	ug/l	99
68) m/p-Xylenes	10.36	106	371602	113.039	ug/l	96
69) o-Xylene	10.69	106	168743	52.243	ug/l	97
70) Styrene	10.71	104	284553	53.243	ug/l	98
71) Bromoform	10.85	173	76986	49.584	ug/l #	99
73) Isopropylbenzene	11.02	105	619953	70.261	ug/l	100
74) N-amyl acetate	10.90	43	179370	56.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	150556	51.202	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	163741	69.692	ug/l	84
77) Bromobenzene	11.25	156	120963	49.439	ug/l	95
78) n-propylbenzene	11.36	91	714725	72.839	ug/l	99
79) 2-Chlorotoluene	11.42	91	302904	51.792	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	383859	51.969	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	42280	48.229	ug/l	97
82) 4-Chlorotoluene	11.51	91	352849	51.768	ug/l	98
83) tert-Butylbenzene	11.77	119	374991	51.764	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1538083	209.150	ug/l	99
85) sec-Butylbenzene	11.94	105	465597	53.494	ug/l	99
86) p-Isopropyltoluene	12.06	119	424741	53.045	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	218878	50.629	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	222386	49.886	ug/l	99
89) n-Butylbenzene	12.38	91	370540	53.714	ug/l	98
90) Hexachloroethane	12.59	117	71295	60.226	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	217525	50.077	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33107	58.114	ug/l	93

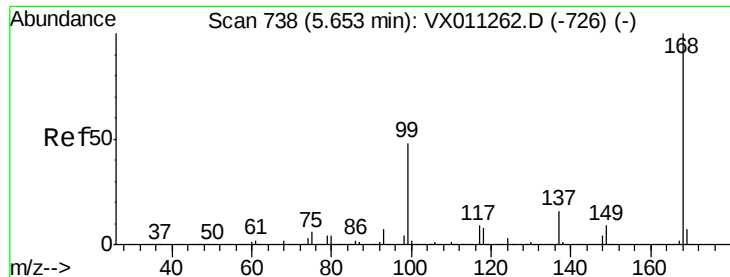
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	151766	52.683	ug/l	99
94) Hexachlorobutadiene	13.78	225	71564	48.965	ug/l	97
95) Naphthalene	13.83	128	1026118	121.804	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	152681	52.134	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

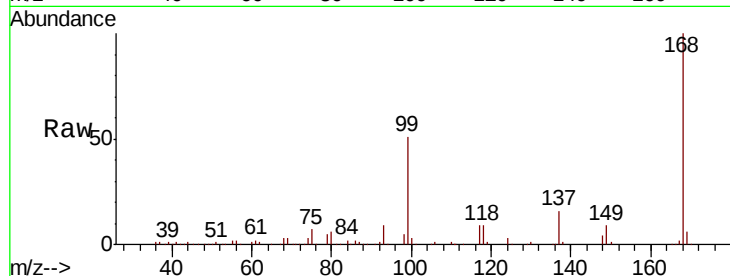
K4779-05MSD

Tgt Ion:168 Resp: 170684

Ion Ratio Lower Upper

168 100

99 50.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011262.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX011262.D (-726) (-)

5.65

60000

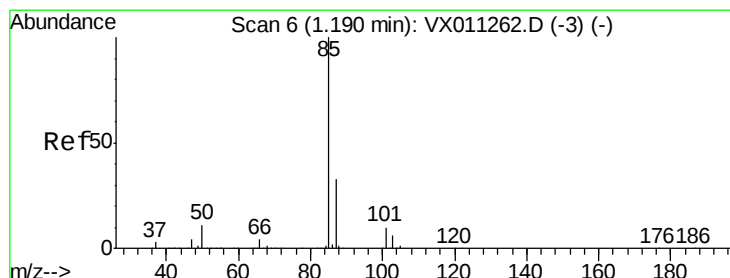
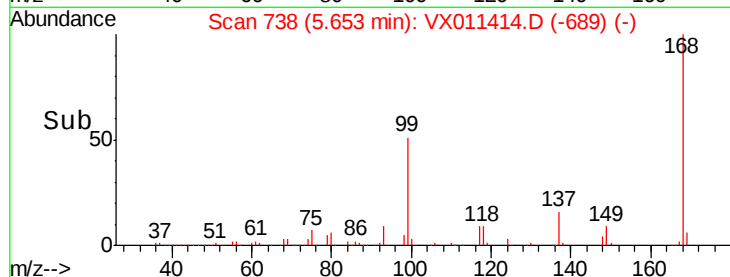
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.324 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011414.D

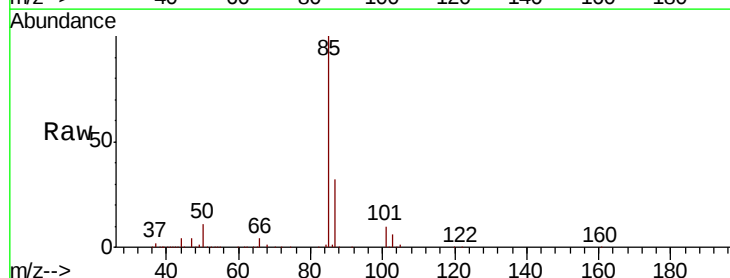
Acq: 09 Aug 2019 16:52

Tgt Ion: 85 Resp: 61067

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX011262.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX011262.D (-3) (-)

1.19

60000

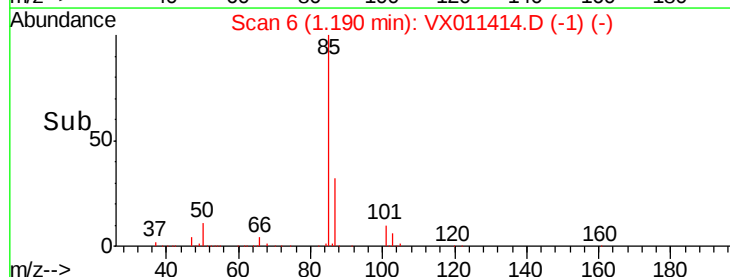
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.109 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

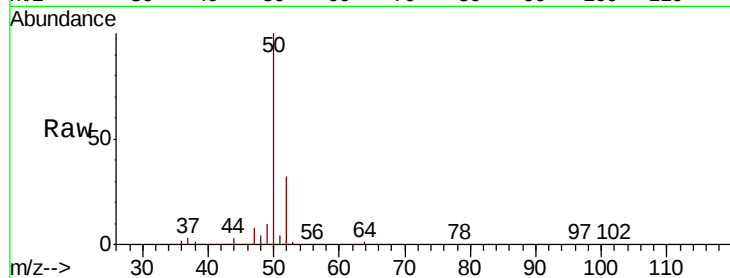
K4779-05MSD

Tgt Ion: 50 Resp: 65298

Ion Ratio Lower Upper

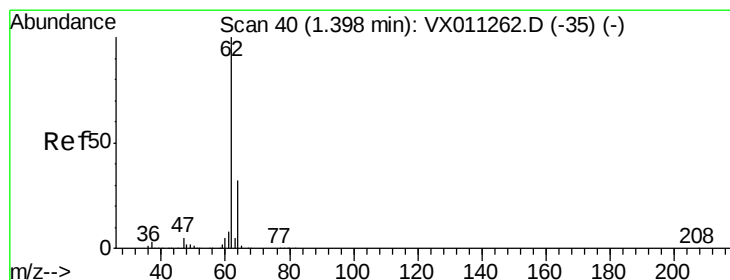
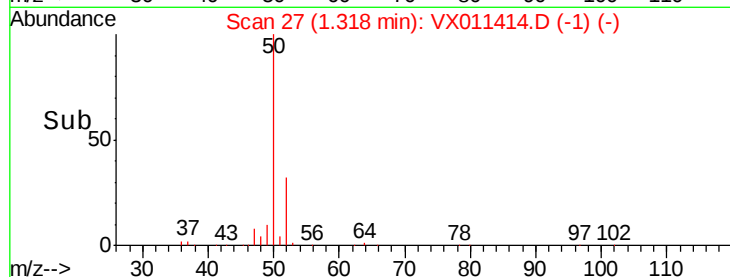
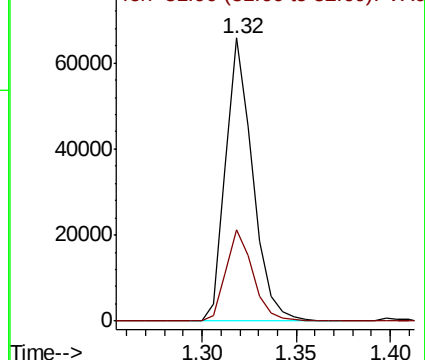
50 100

52 32.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.710 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011414.D

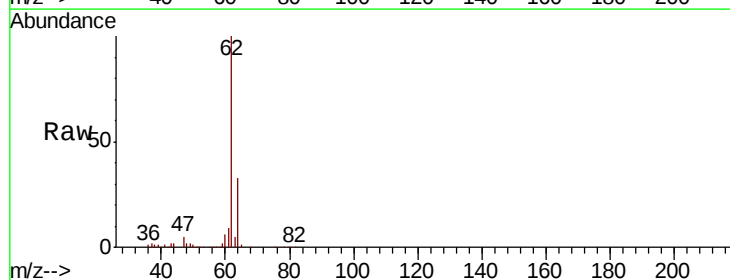
Acq: 09 Aug 2019 16:52

Tgt Ion: 62 Resp: 72804

Ion Ratio Lower Upper

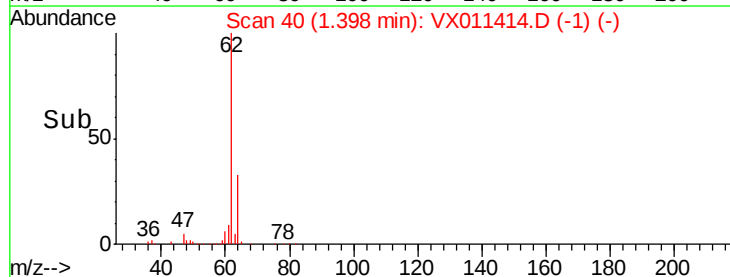
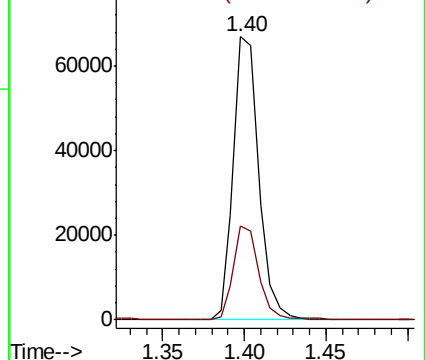
62 100

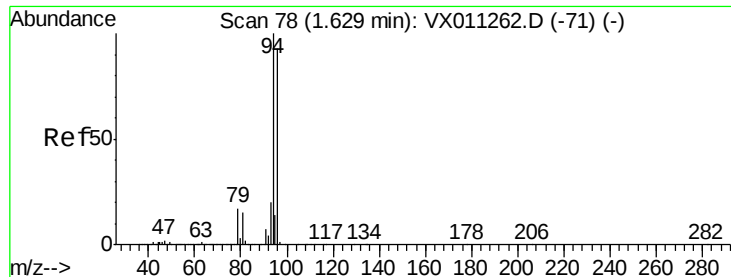
64 32.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.500 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

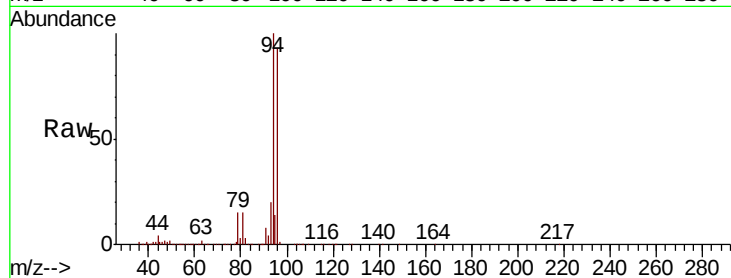
K4779-05MSD

Tgt Ion: 94 Resp: 49357

Ion Ratio Lower Upper

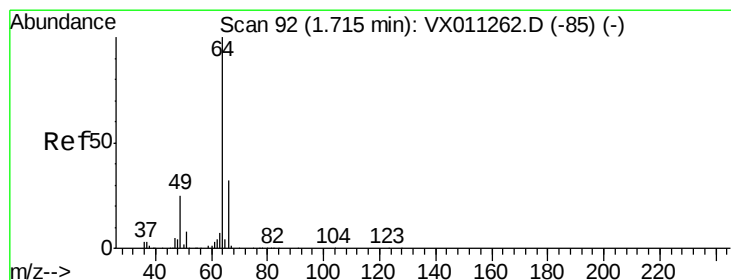
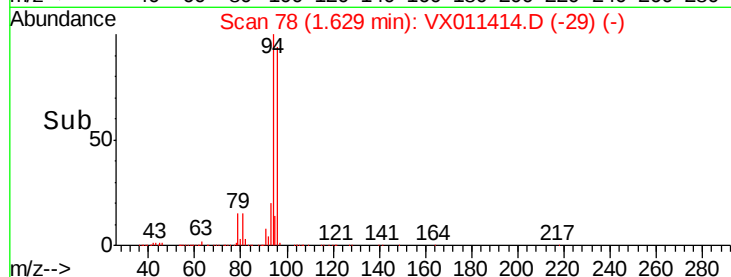
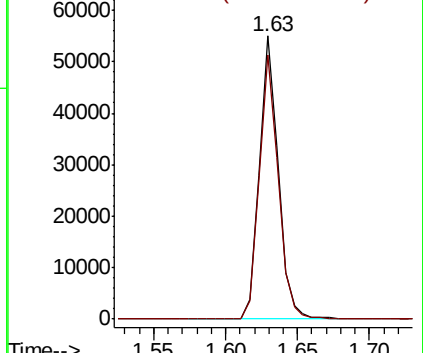
94 100

96 93.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.791 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011414.D

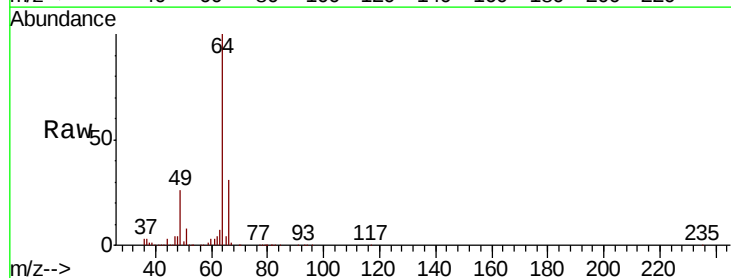
Acq: 09 Aug 2019 16:52

Tgt Ion: 64 Resp: 48296

Ion Ratio Lower Upper

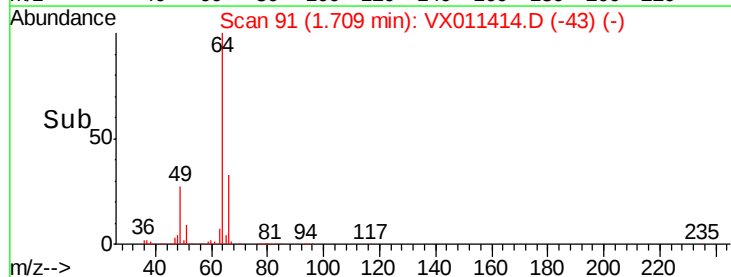
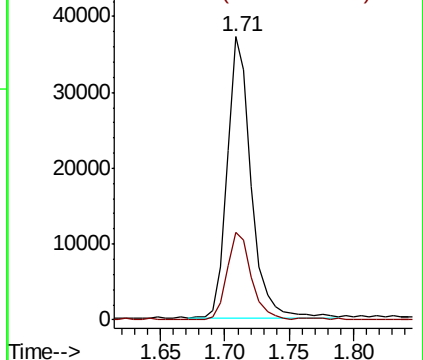
64 100

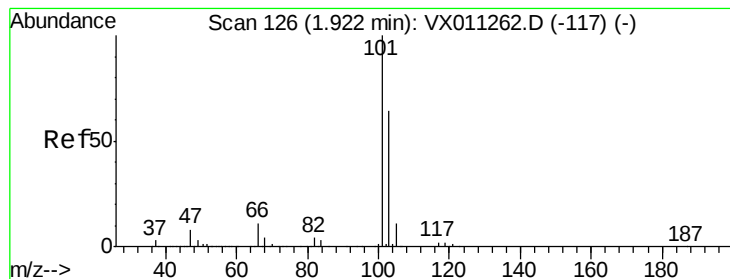
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



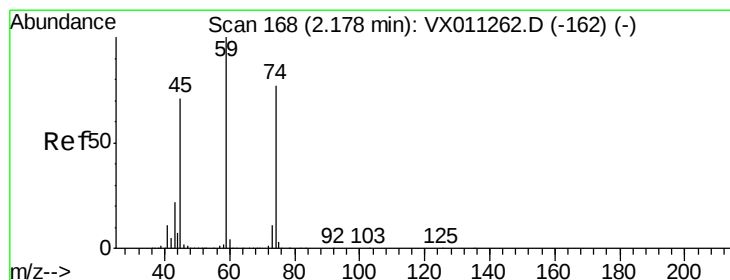
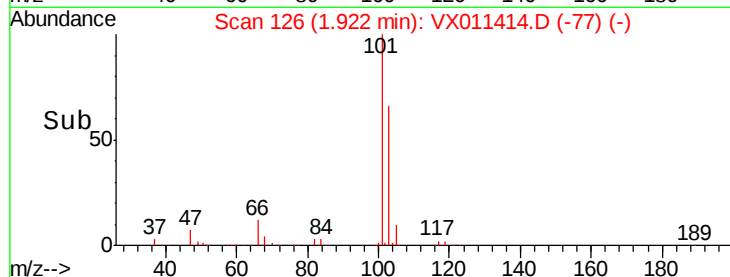
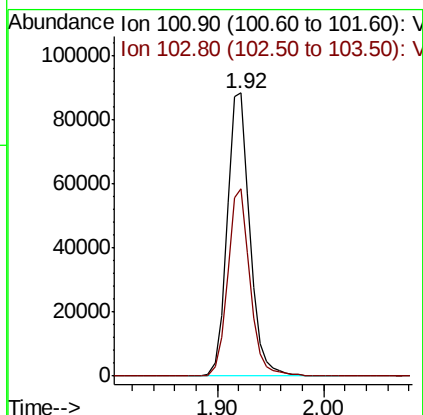
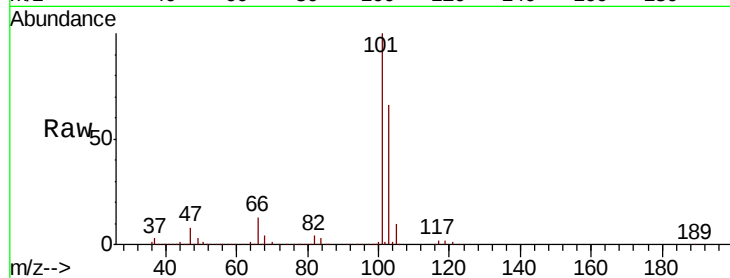


#7

Trichlorofluoromethane
Concen: 45.477 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
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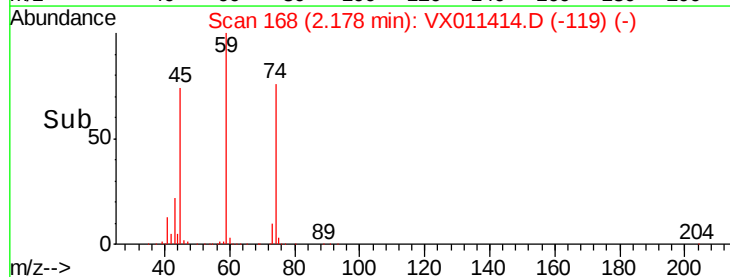
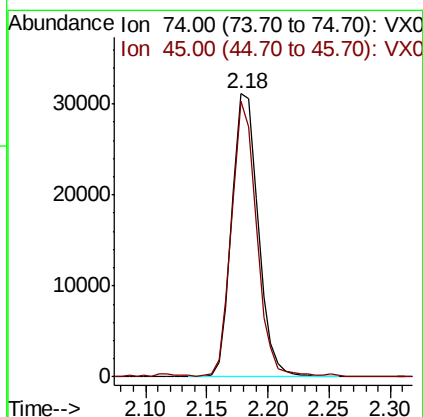
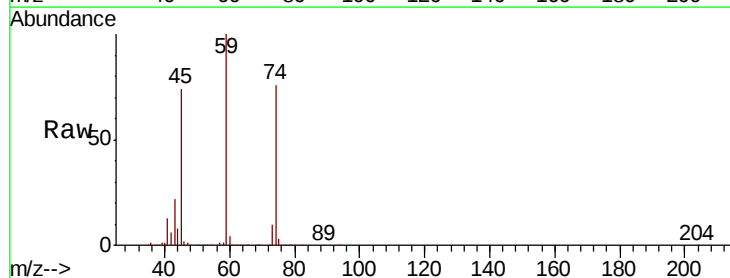
Tgt Ion:101 Resp: 131672
Ion Ratio Lower Upper
101 100
103 66.3 50.9 76.3



#8

Diethyl Ether
Concen: 44.957 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 74 Resp: 46479
Ion Ratio Lower Upper
74 100
45 91.0 46.1 138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.500 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

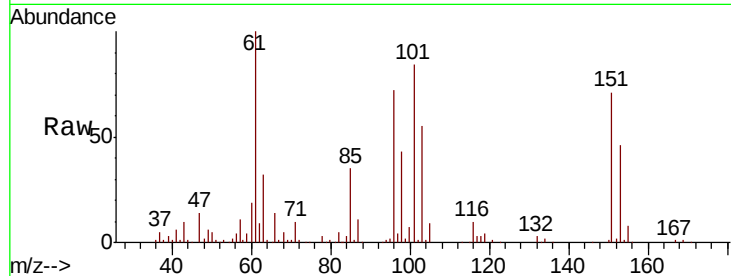
Tgt Ion:101 Resp: 74415

Ion Ratio Lower Upper

101 100

85 43.3 33.8 50.6

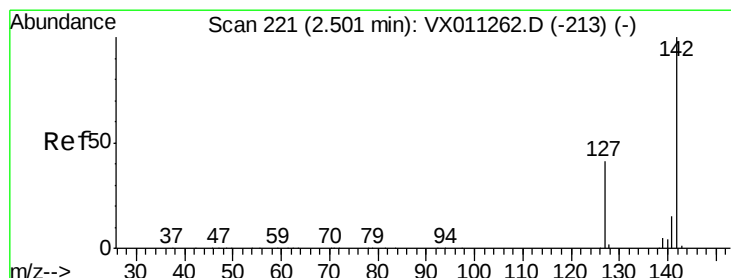
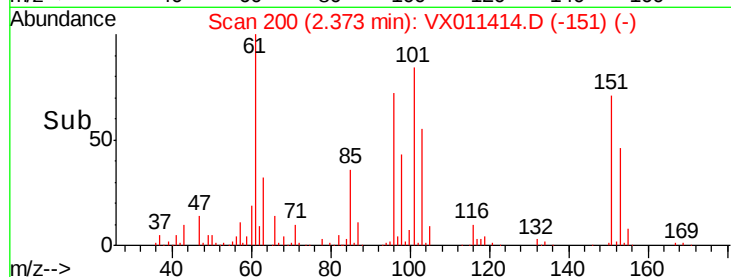
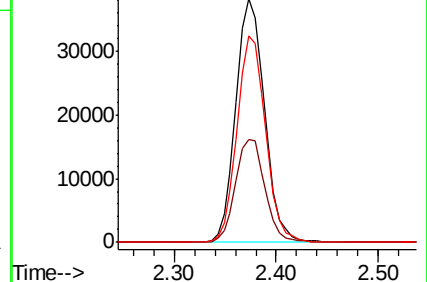
151 84.1 69.5 104.3



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: 50.491 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

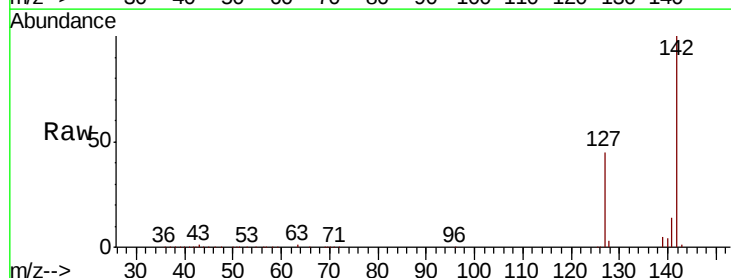
Tgt Ion:142 Resp: 99725

Ion Ratio Lower Upper

142 100

127 44.4 33.8 50.8

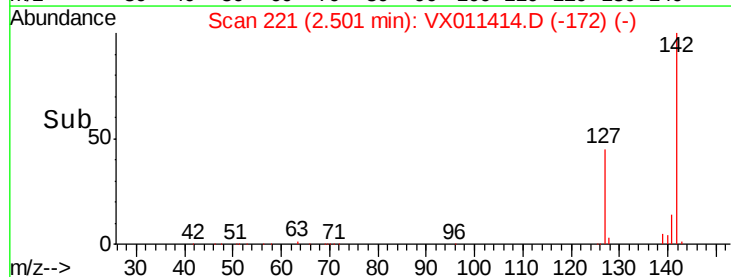
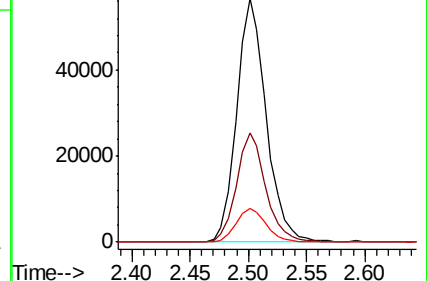
141 14.3 11.4 17.2

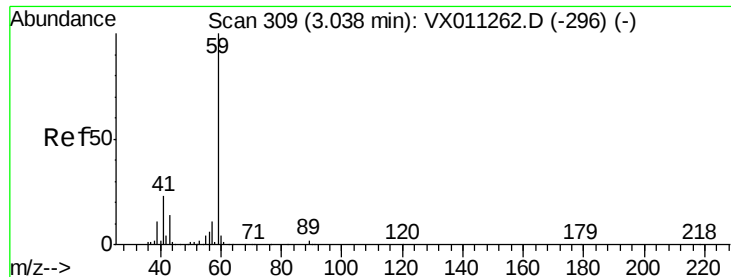


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 262.706 ug/l

RT: 3.04 min Scan# 309

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

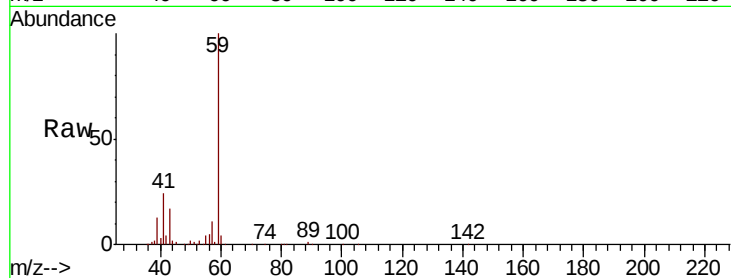
K4779-05MSD

Tgt Ion: 59 Resp: 90045

Ion Ratio Lower Upper

59 100

57 10.6 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

40000

30000

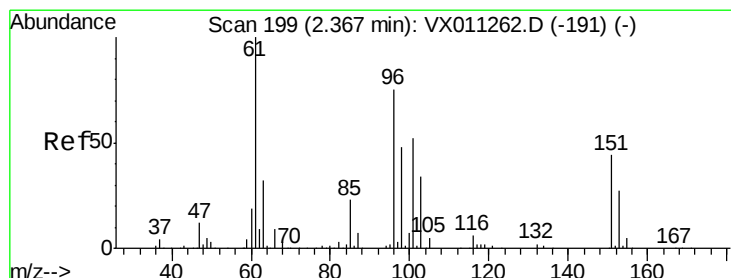
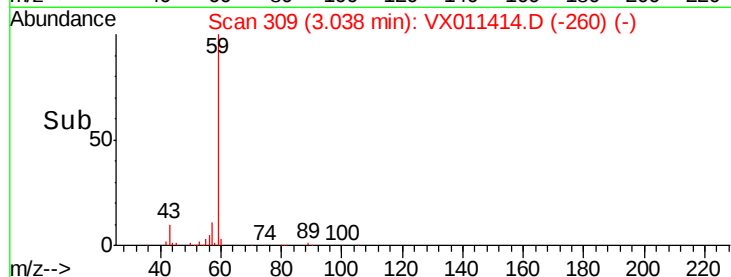
20000

10000

0

Time-->

2.90 3.00 3.10



#12

1,1-Dichloroethene

Concen: 47.608 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

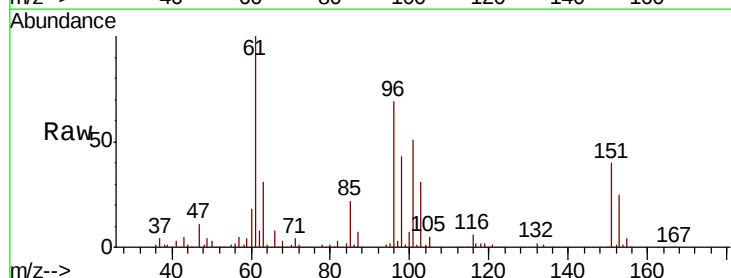
Tgt Ion: 96 Resp: 73933

Ion Ratio Lower Upper

96 100

61 144.5 106.2 159.2

98 61.9 50.6 75.8



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

80000

60000

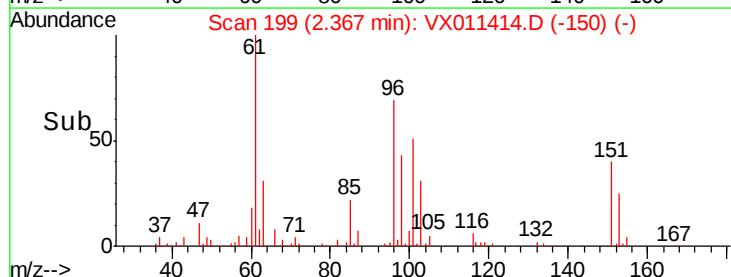
40000

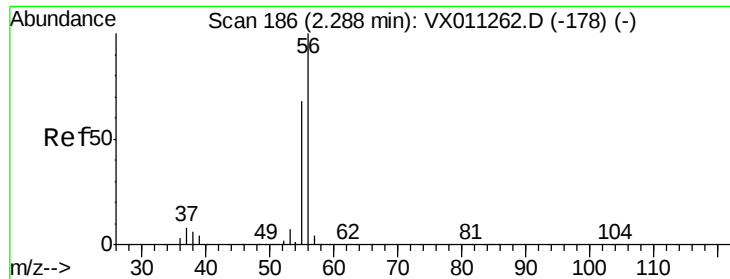
20000

0

Time-->

2.30 2.35 2.40 2.45 2.50

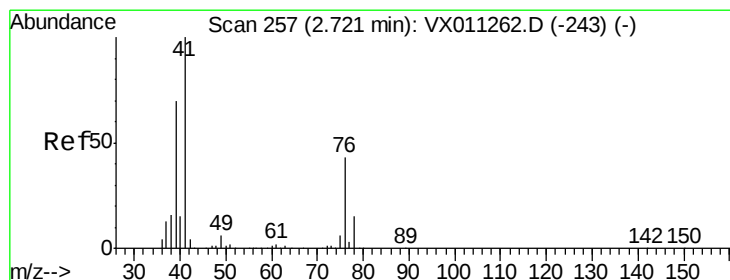
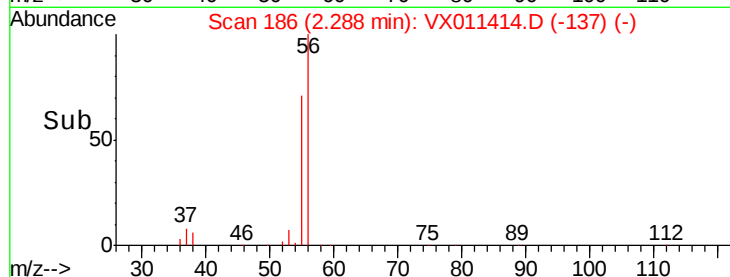
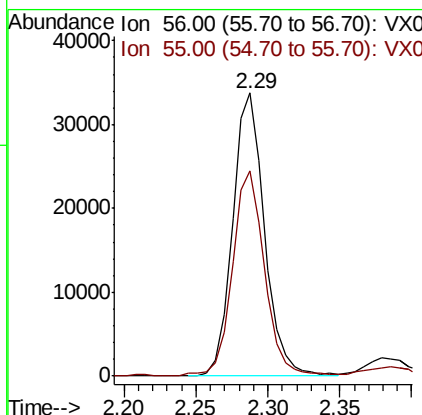
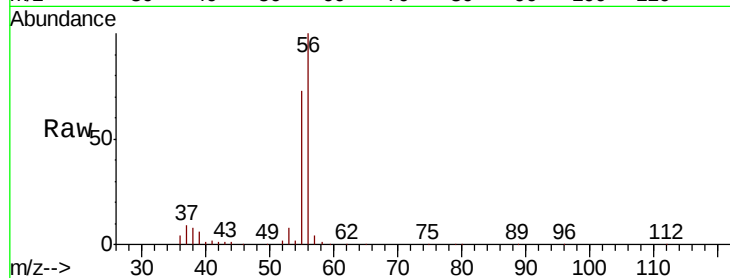




#13
 Acrolein
 Concen: 242.662 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

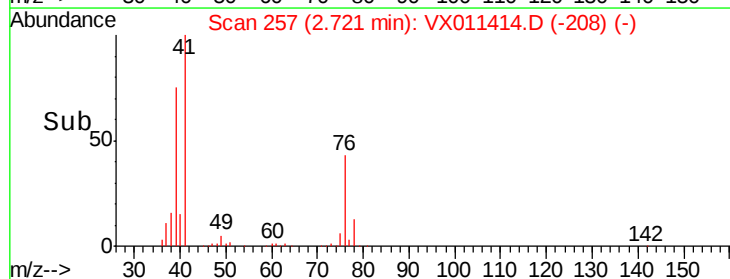
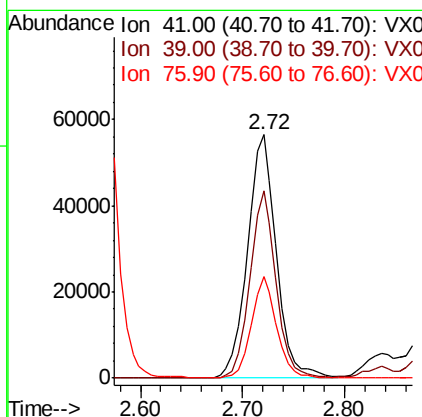
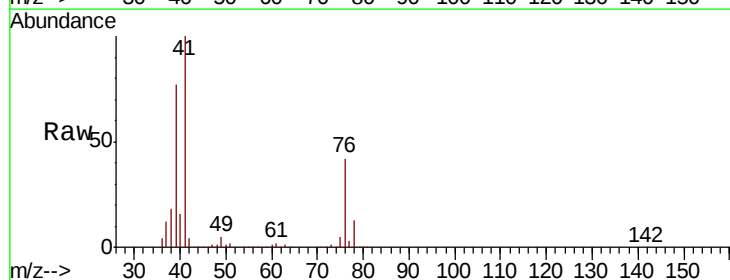
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tgt Ion: 56 Resp: 51692
 Ion Ratio Lower Upper
 56 100
 55 73.1 56.0 84.0



#14
 Allyl chloride
 Concen: 53.825 ug/l
 RT: 2.72 min Scan# 257
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 41 Resp: 111433
 Ion Ratio Lower Upper
 41 100
 39 69.8 52.8 79.2
 76 36.6 31.1 46.7

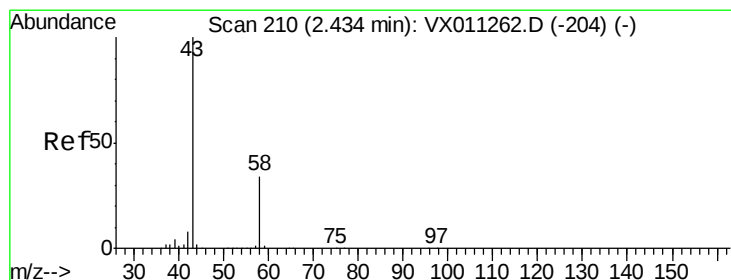
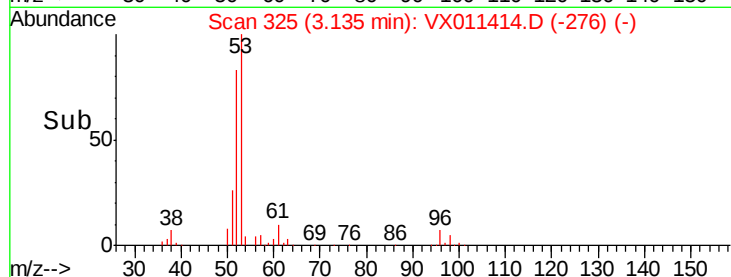
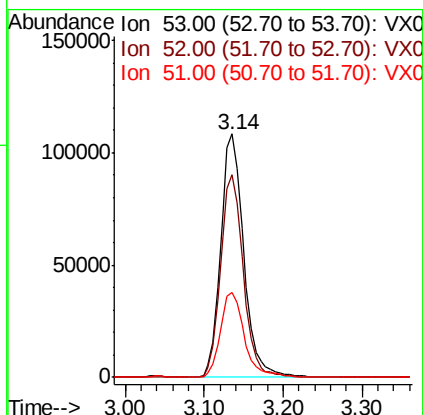
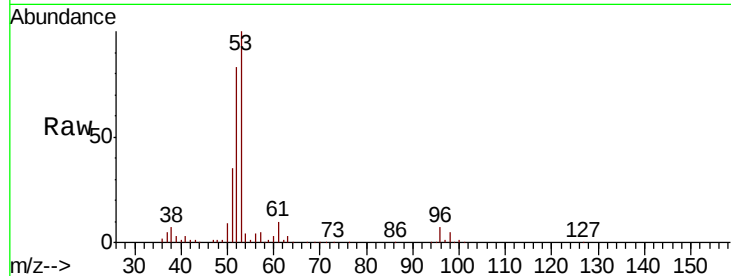




#15
Acrylonitrile
Concen: 270.106 ug/l
RT: 3.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

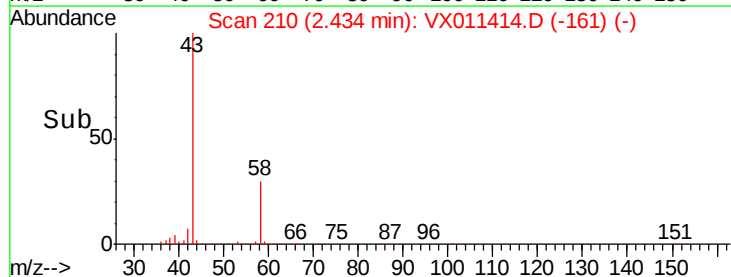
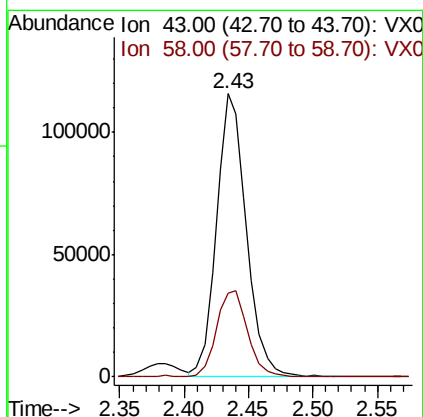
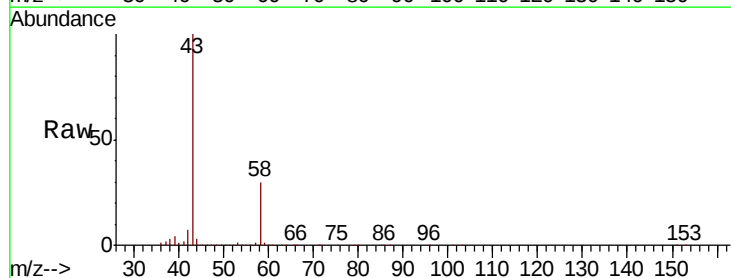
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

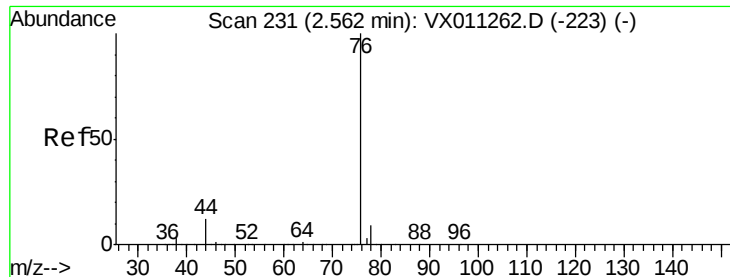
Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	36.4	27.9	41.9



#16
Acetone
Concen: 228.714 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.5	27.4	41.0





#17

Carbon Disulfide

Concen: 46.211 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

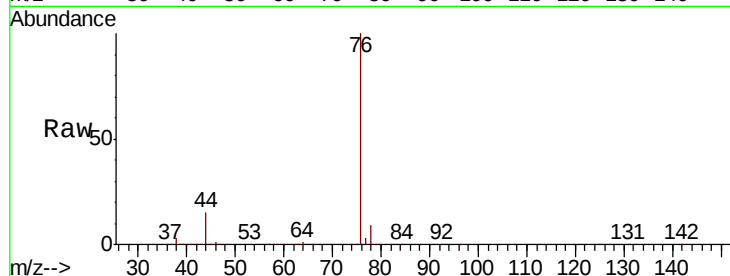
K4779-05MSD

Tgt Ion: 76 Resp: 168403

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

100000

80000

60000

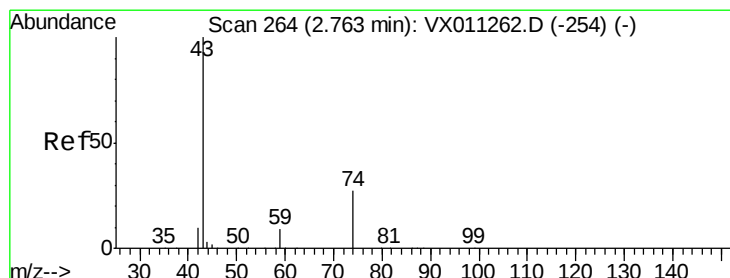
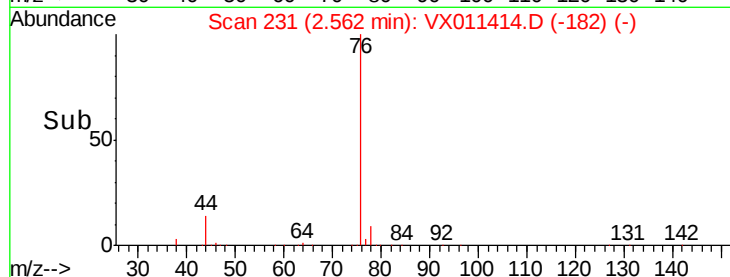
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 55.324 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011414.D

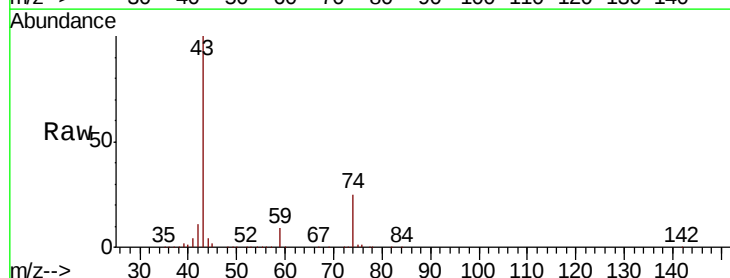
Acq: 09 Aug 2019 16:52

Tgt Ion: 43 Resp: 103439

Ion Ratio Lower Upper

43 100

74 25.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

60000

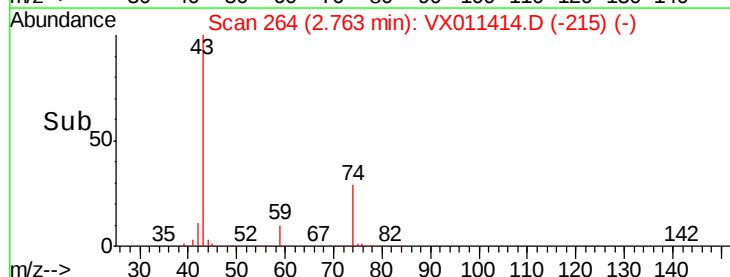
40000

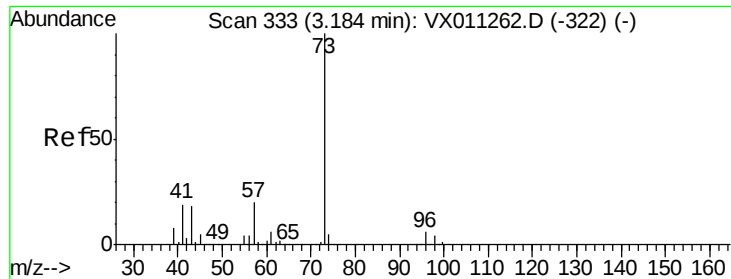
20000

0

Time-->

2.70 2.75 2.80

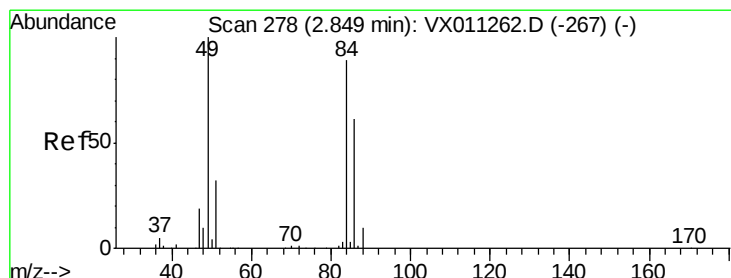
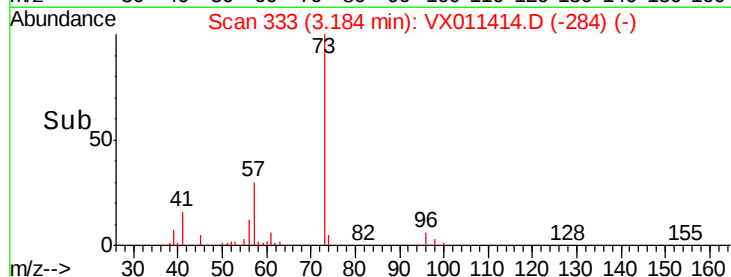
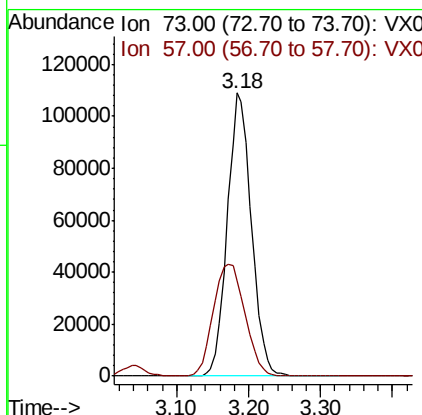
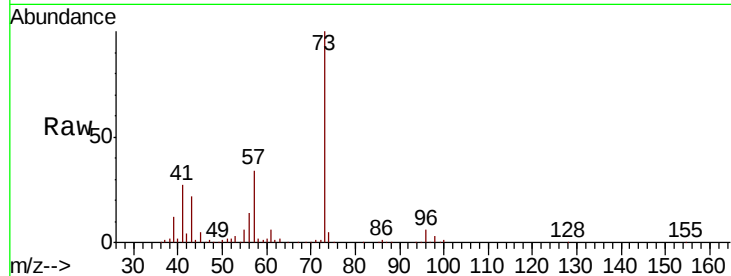




#19
Methyl tert-butyl Ether
Concen: 55.254 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

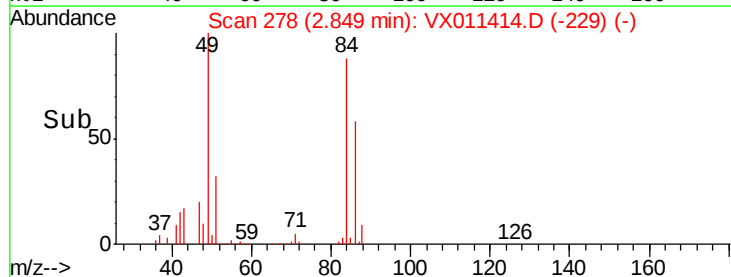
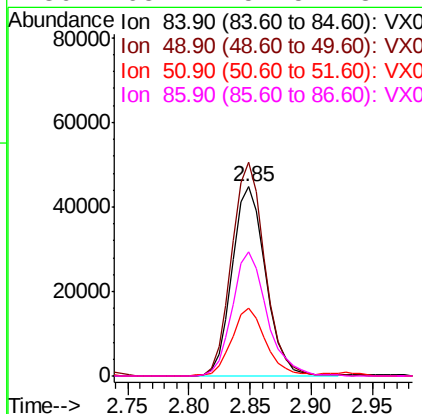
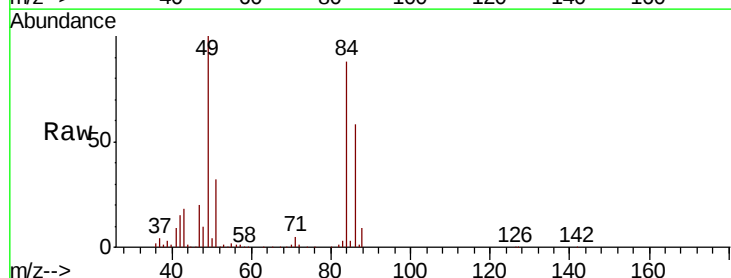
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

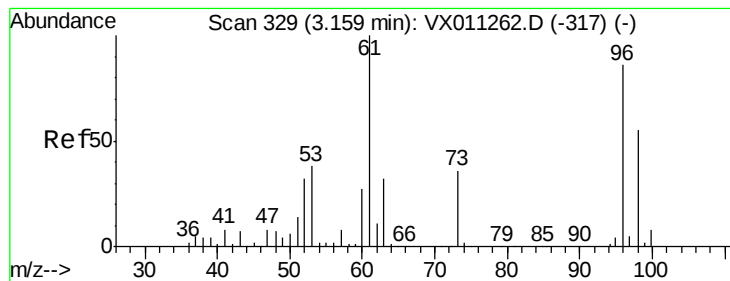
Tgt Ion: 73 Resp: 252866
Ion Ratio Lower Upper
73 100
57 33.6 16.2 24.2#



#20
Methylene Chloride
Concen: 47.538 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 84 Resp: 85179
Ion Ratio Lower Upper
84 100
49 112.9 89.3 133.9
51 35.7 28.3 42.5
86 65.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 48.698 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampled :

K4779-05MSD

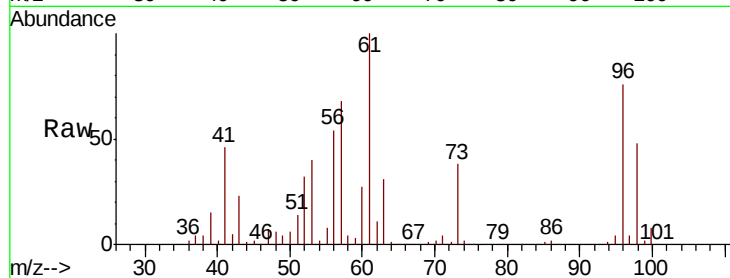
Tgt Ion: 96 Resp: 79998

Ion Ratio Lower Upper

96 100

61 132.0 92.8 139.2

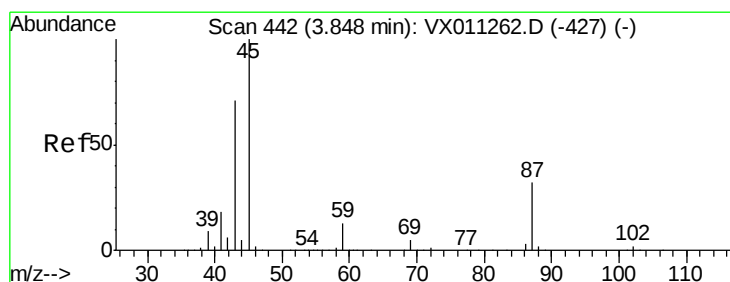
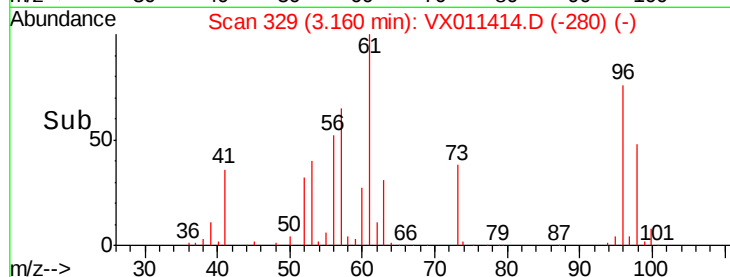
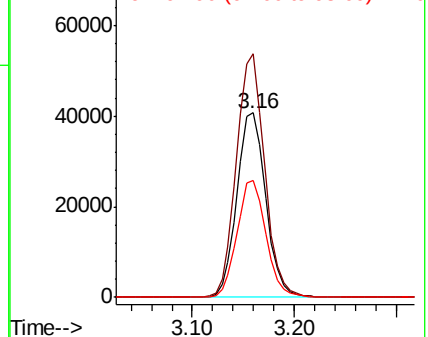
98 63.4 51.2 76.8



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: 53.306 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion: 45 Resp: 242550

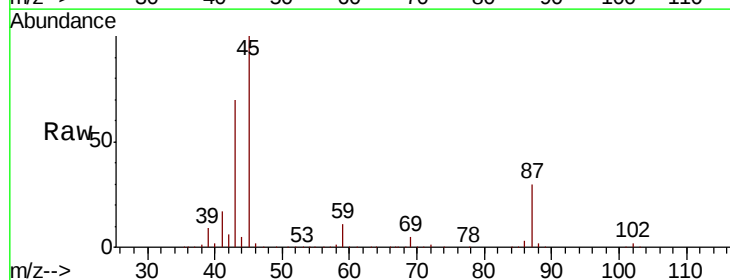
Ion Ratio Lower Upper

45 100

43 70.1 56.8 85.2

87 30.4 25.8 38.6

59 11.4 10.3 15.5

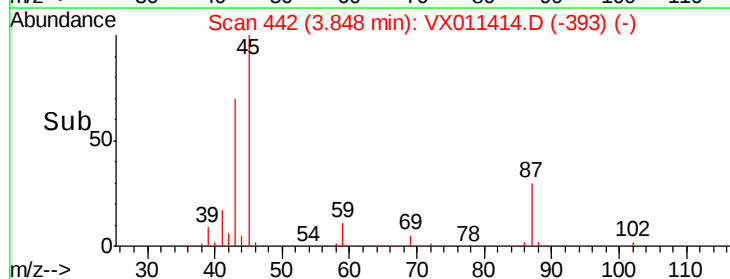
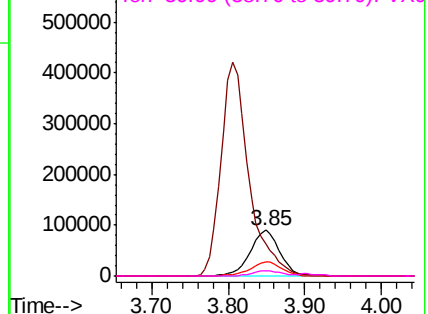


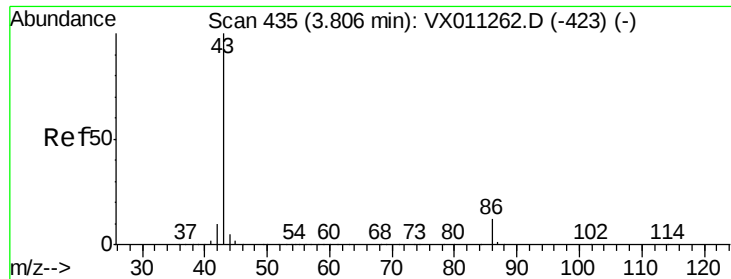
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 284.510 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

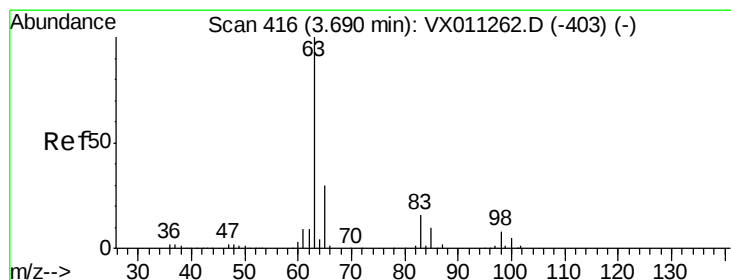
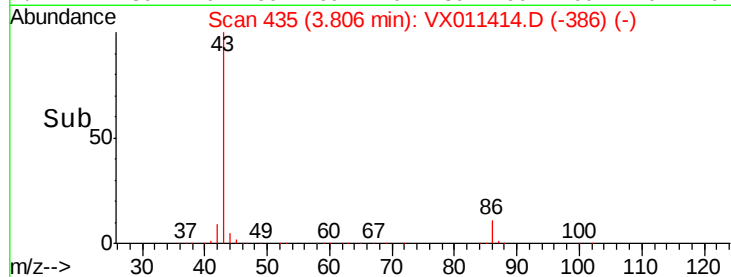
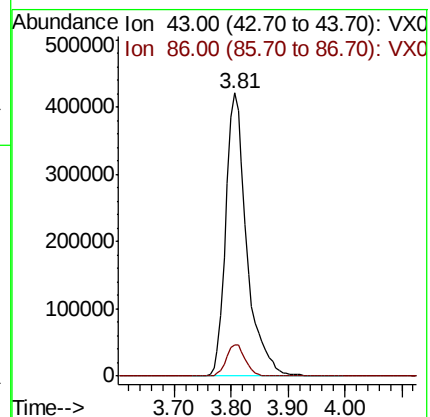
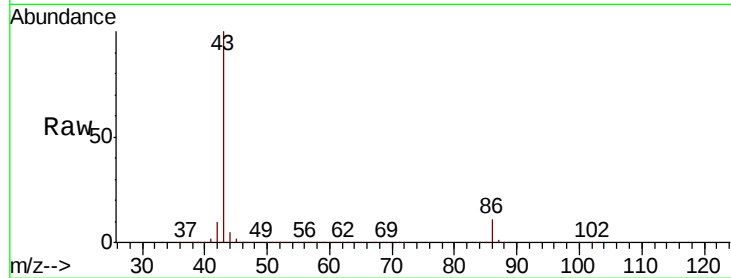
K4779-05MSD

Tgt Ion: 43 Resp: 1073720

Ion Ratio Lower Upper

43 100

86 11.0 9.6 14.4



#24

1,1-Dichloroethane

Concen: 52.162 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

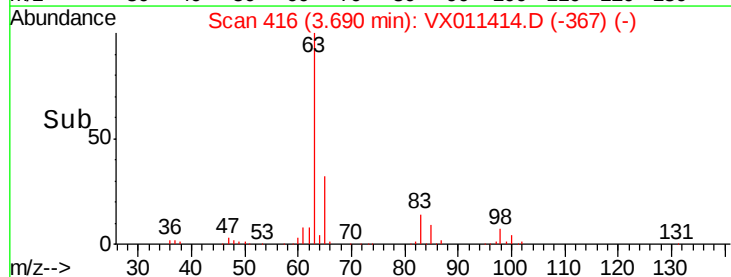
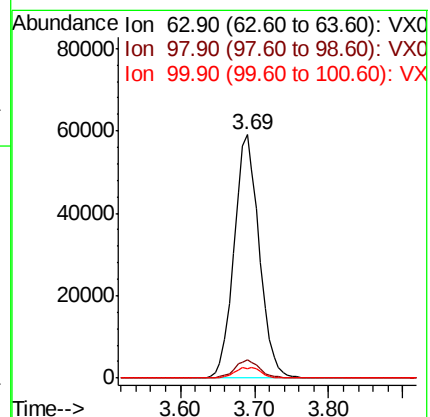
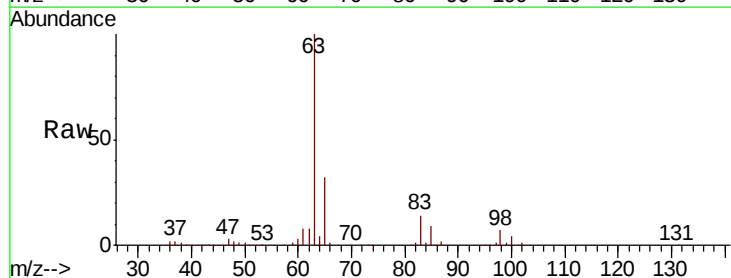
Tgt Ion: 63 Resp: 139952

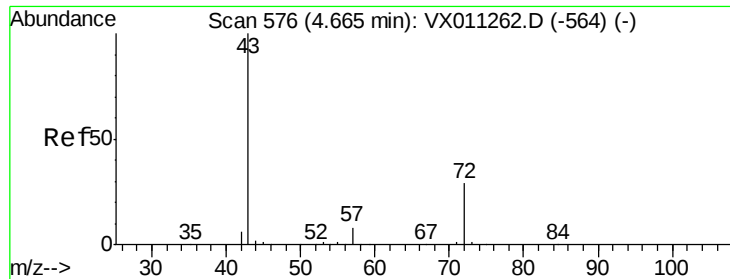
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.0 2.7 8.1





#25

2-Butanone

Concen: 263.153 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

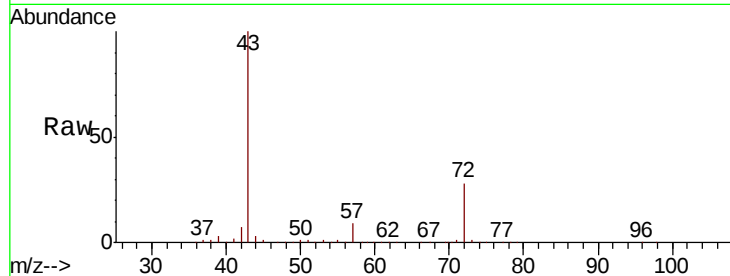
K4779-05MSD

Tgt Ion: 43 Resp: 306264

Ion Ratio Lower Upper

43 100

72 27.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

0

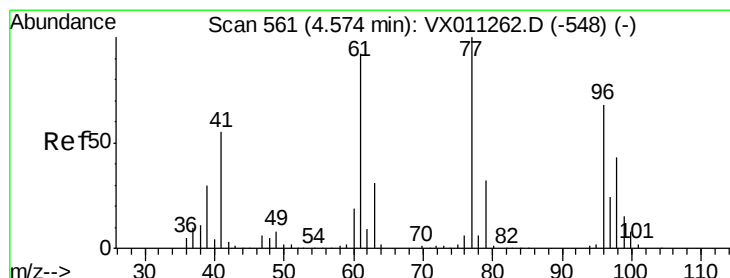
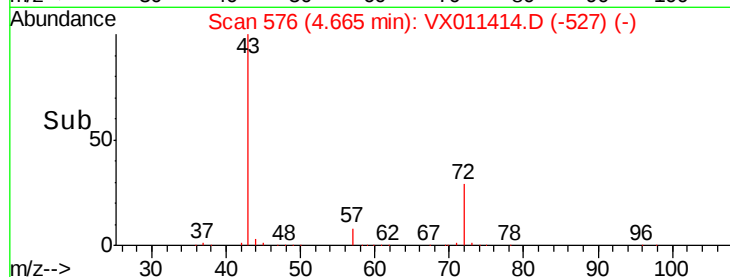
4.67

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.714 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011414.D

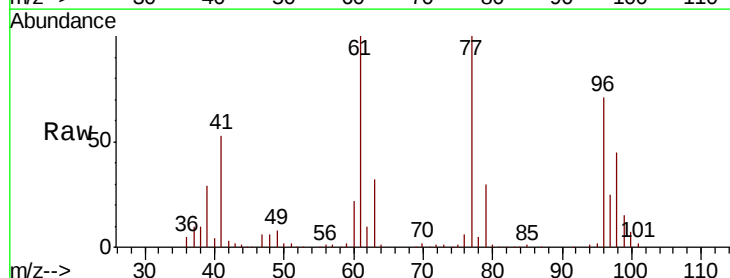
Acq: 09 Aug 2019 16:52

Tgt Ion: 77 Resp: 107858

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

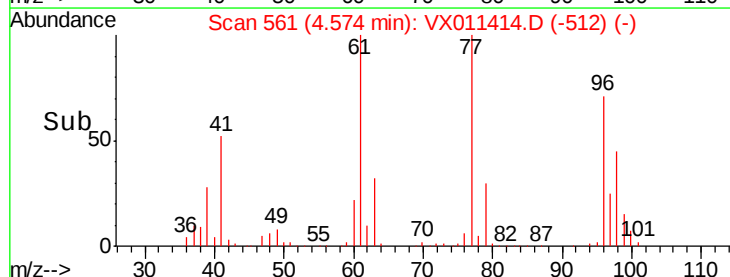
4.57

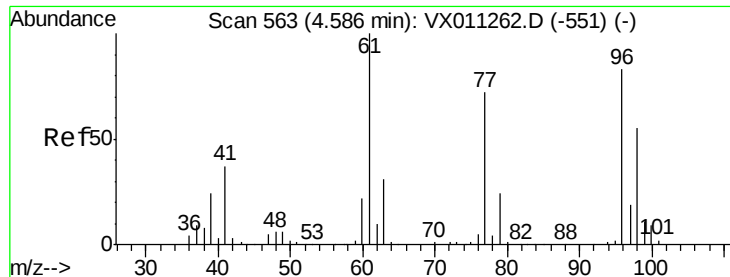
4.50

4.60

4.70

Time-->



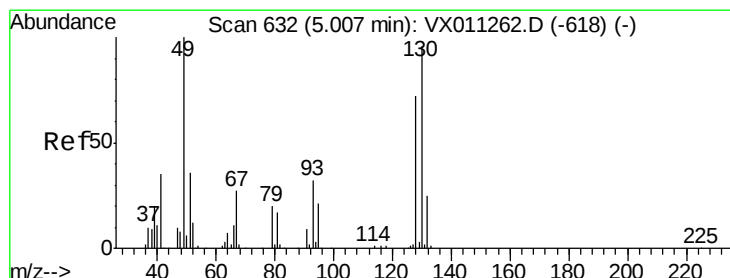
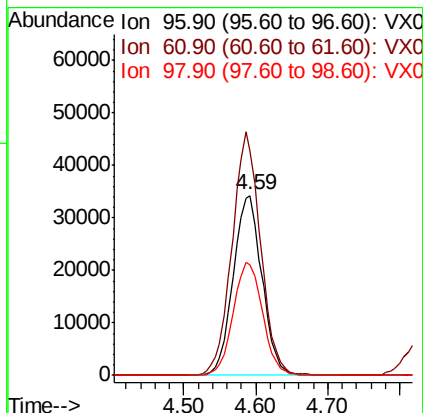
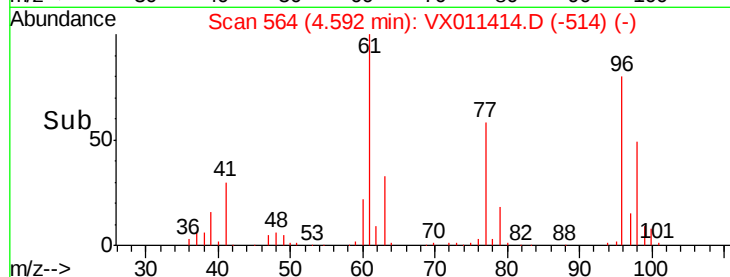
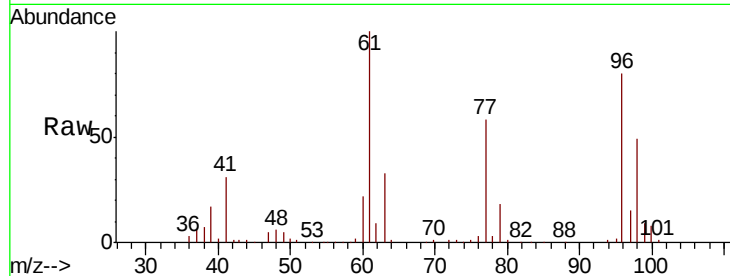


#27

cis-1,2-Dichloroethene
 Concen: 50.294 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

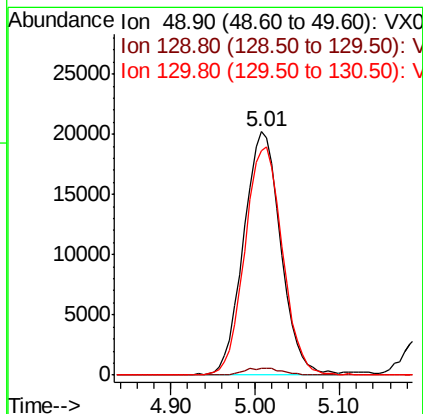
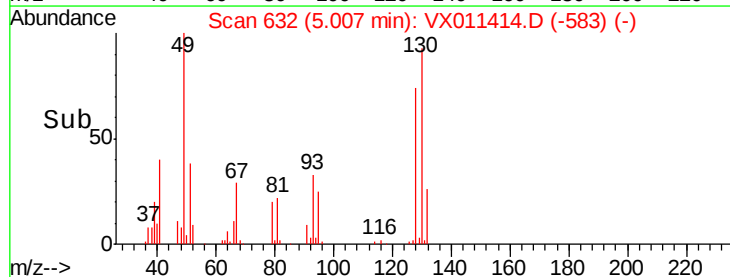
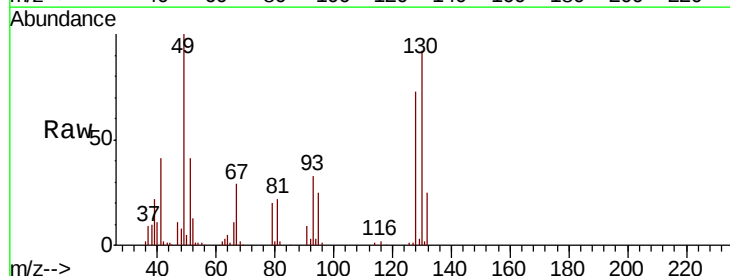
Tgt Ion: 96 Resp: 95164
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 260.2
 98 63.9 0.0 133.2

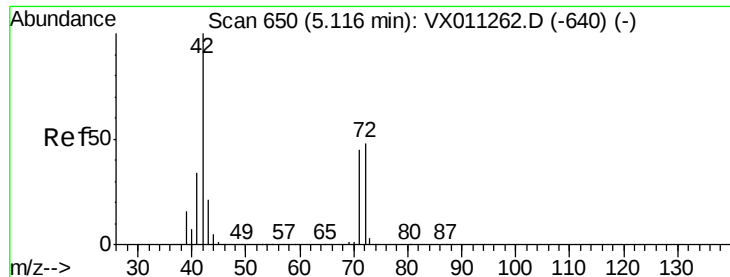


#28

Bromochloromethane
 Concen: 49.588 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 49 Resp: 60654
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 5.8
 130 94.6 77.9 116.9





#29

Tetrahydrofuran

Concen: 271.809 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

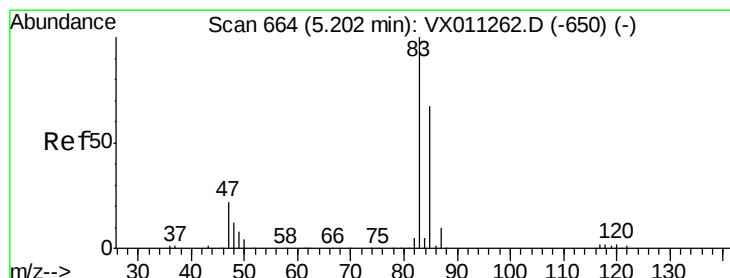
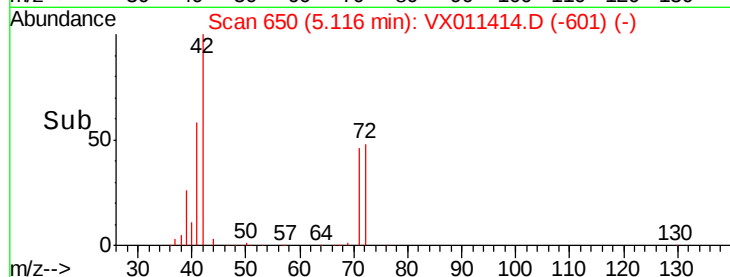
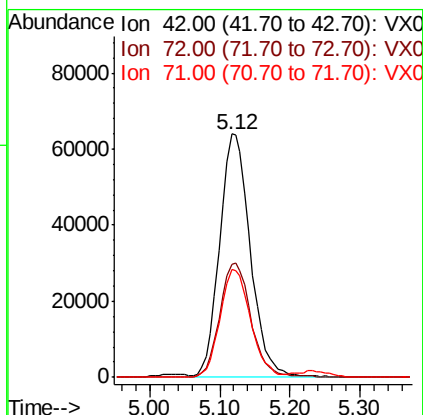
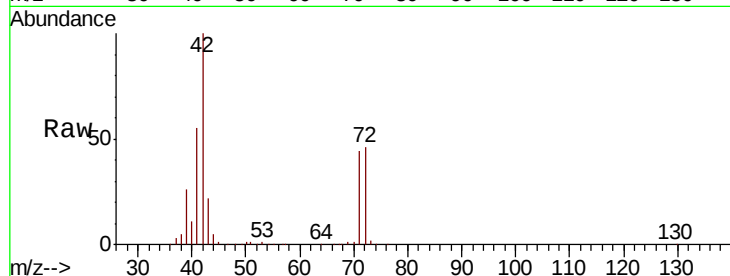
Tgt Ion: 42 Resp: 193962

Ion Ratio Lower Upper

42 100

72 48.2 39.9 59.9

71 44.3 36.9 55.3



#30

Chloroform

Concen: 53.037 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011414.D

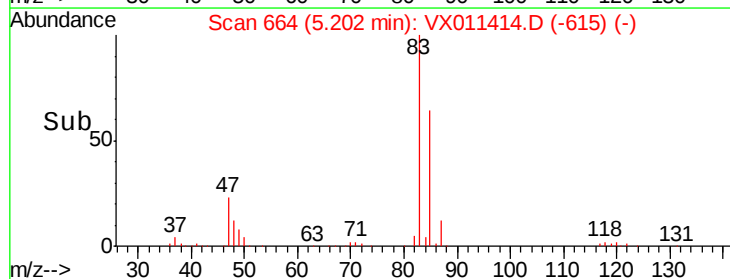
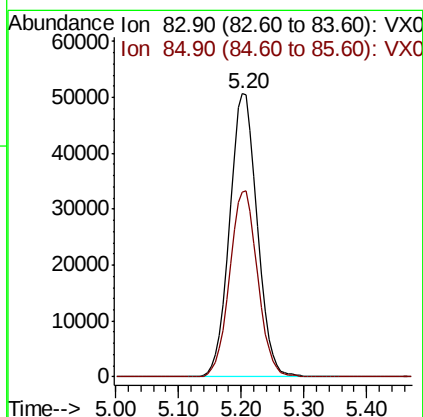
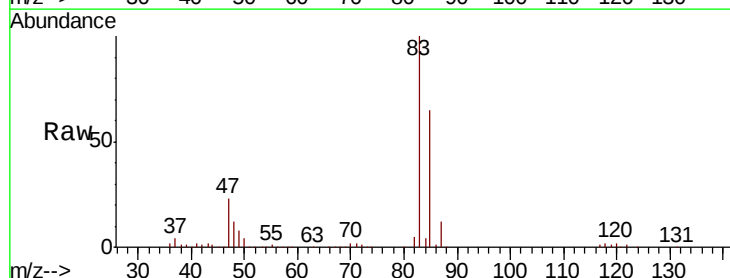
Acq: 09 Aug 2019 16:52

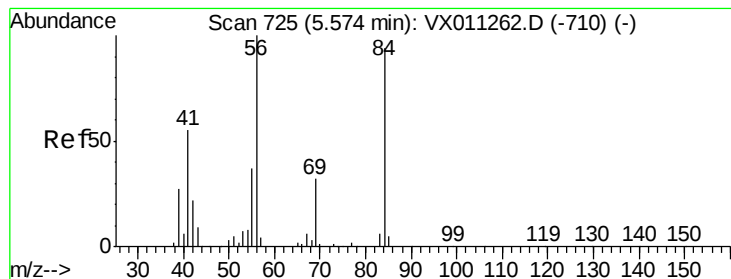
Tgt Ion: 83 Resp: 154662

Ion Ratio Lower Upper

83 100

85 65.4 53.4 80.0





#31

Cyclohexane

Concen: 133.235 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

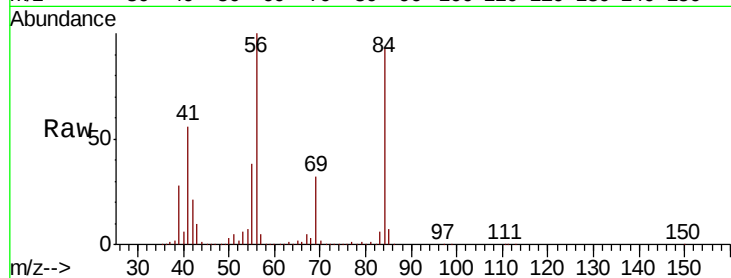
Tgt Ion: 56 Resp: 294923

Ion Ratio Lower Upper

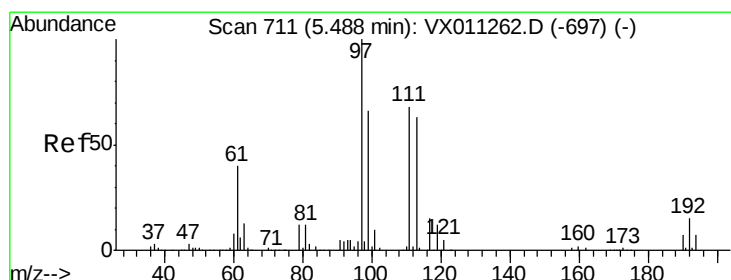
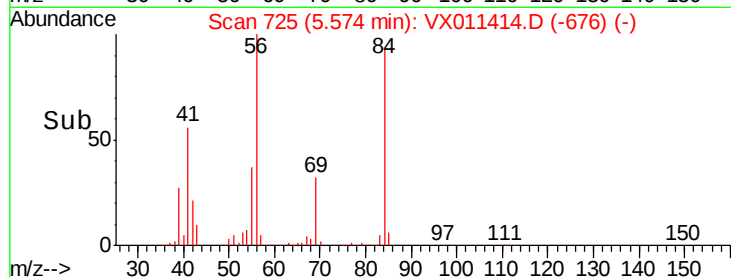
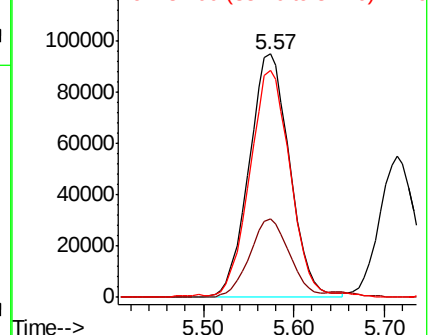
56 100

69 31.8 25.5 38.3

84 92.4 75.0 112.4



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 55.094 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

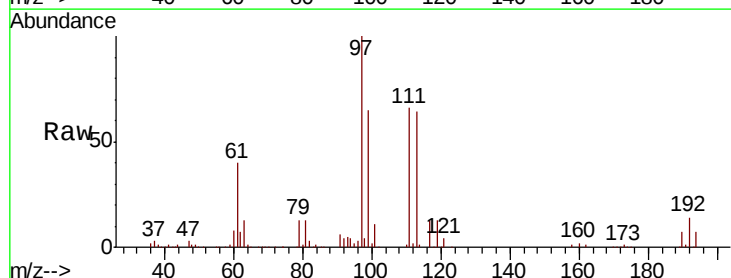
Tgt Ion: 97 Resp: 137627

Ion Ratio Lower Upper

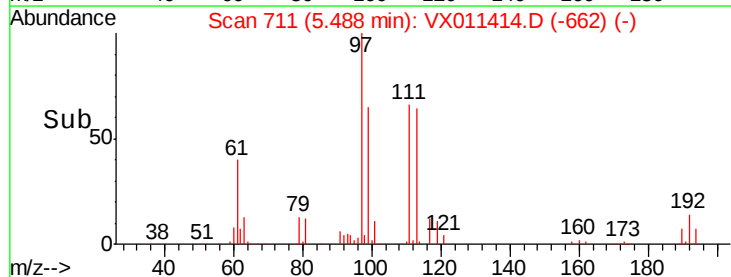
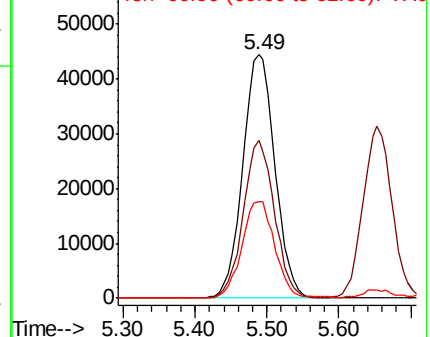
97 100

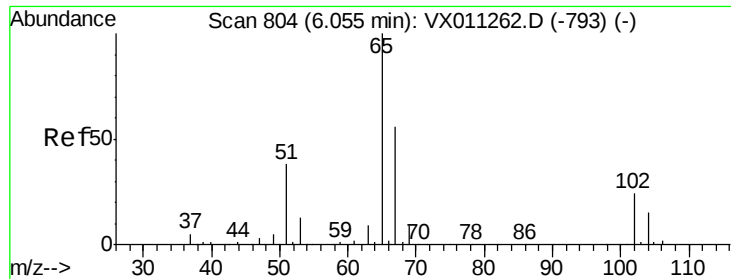
99 63.0 51.6 77.4

61 40.9 32.3 48.5



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

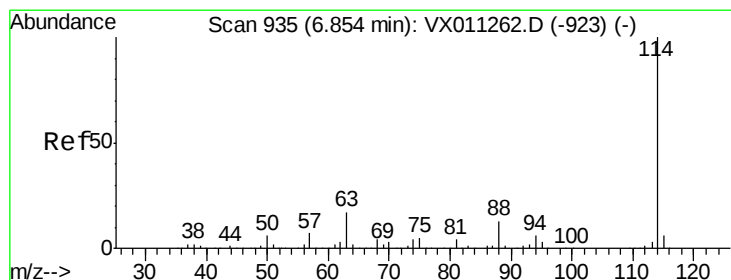
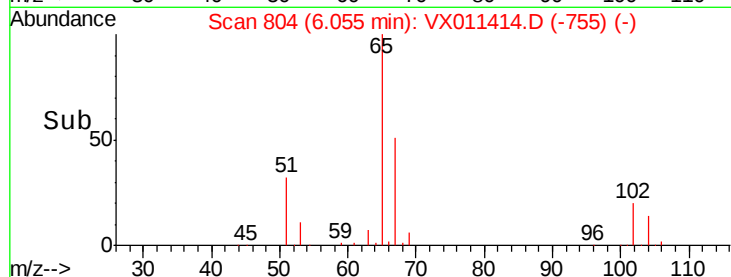
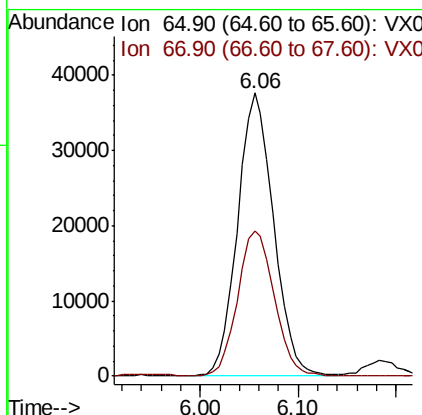
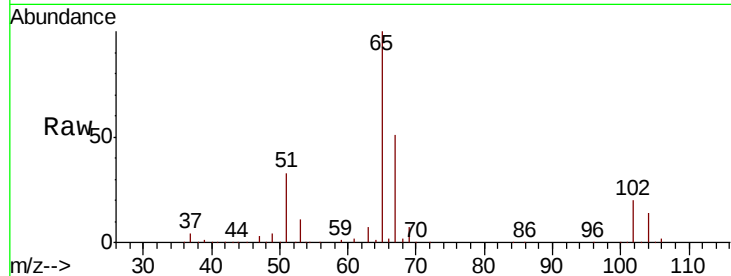




#33
 1,2-Dichloroethane-d4
 Concen: 55.985 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

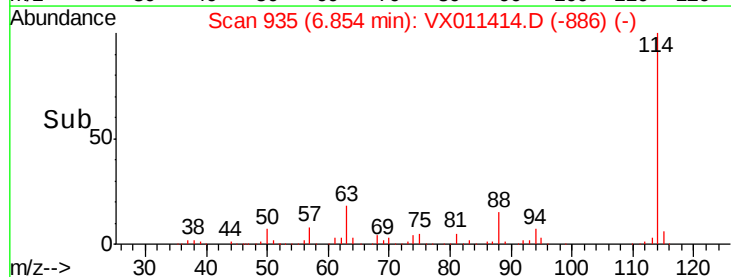
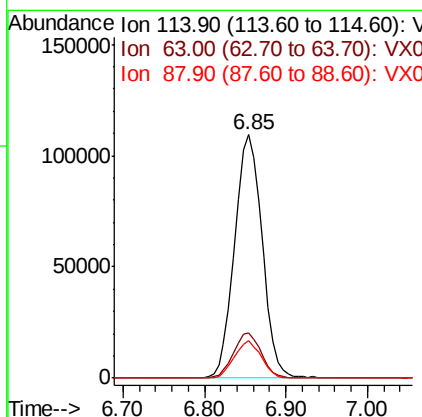
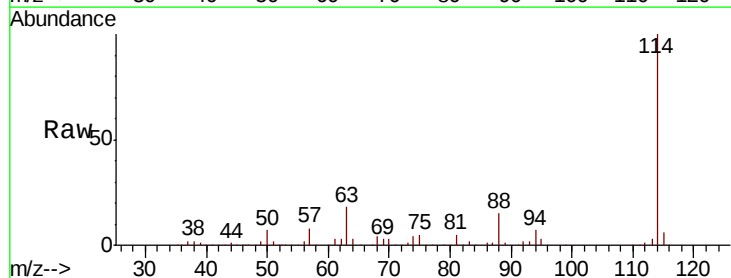
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

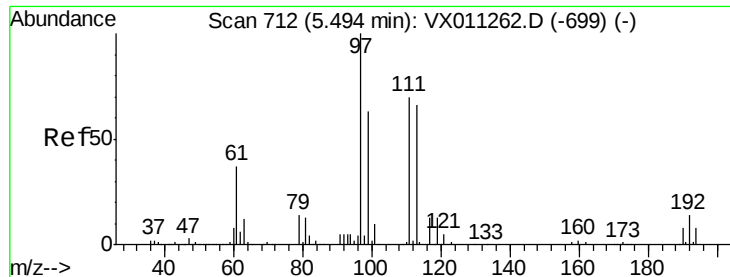
Tgt Ion: 65 Resp: 96231
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 114 Resp: 255629
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.0
 88 15.2 0.0 26.4





#35

Dibromofluoromethane

Concen: 50.187 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

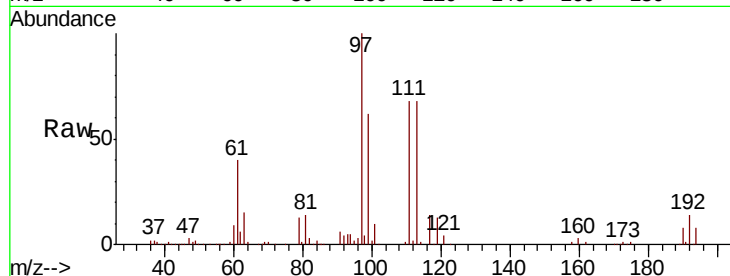
Tgt Ion:113 Resp: 83760

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

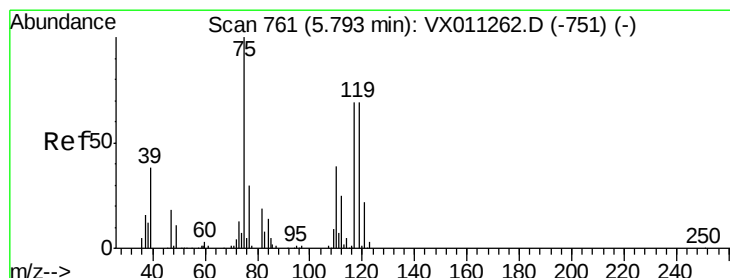
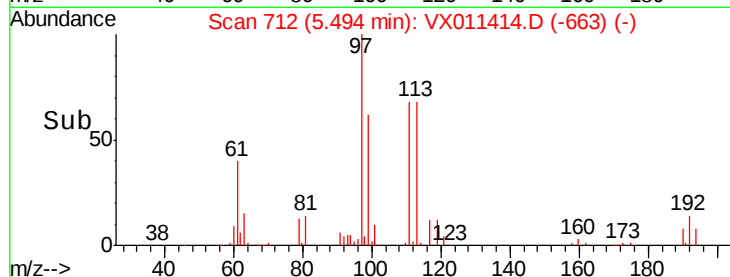
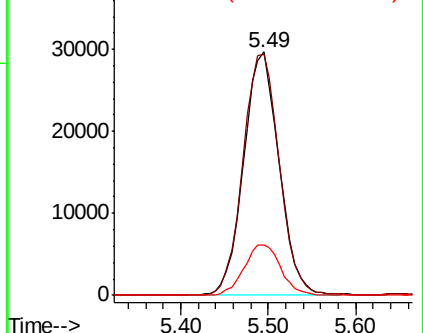
192 21.3 17.8 26.8



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: 48.366 ug/l

RT: 5.79 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

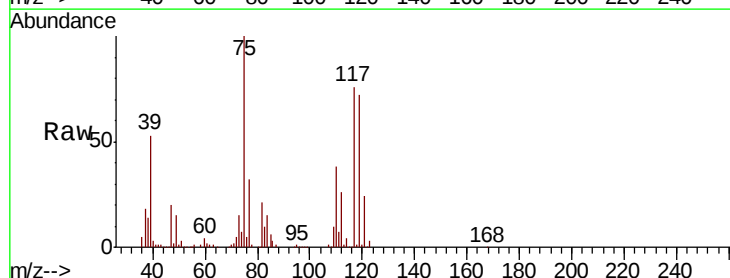
Tgt Ion: 75 Resp: 107946

Ion Ratio Lower Upper

75 100

110 39.2 20.0 59.9

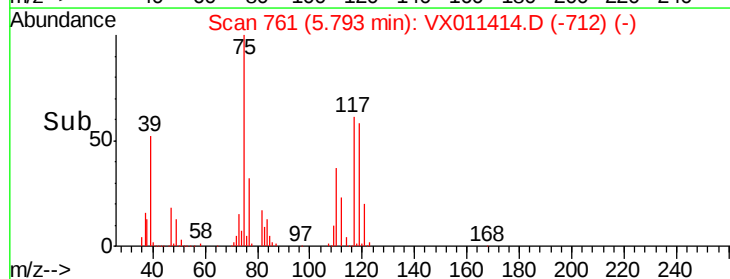
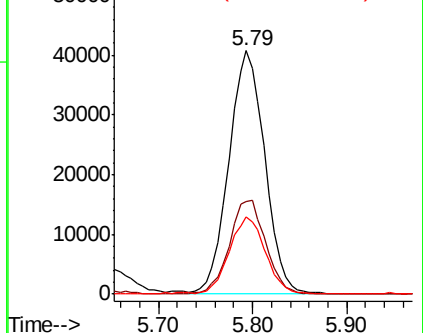
77 32.4 24.8 37.2

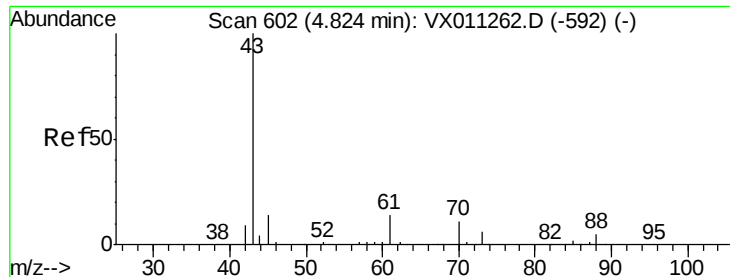


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 52.243 ug/l

RT: 4.82 min Scan# 602

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

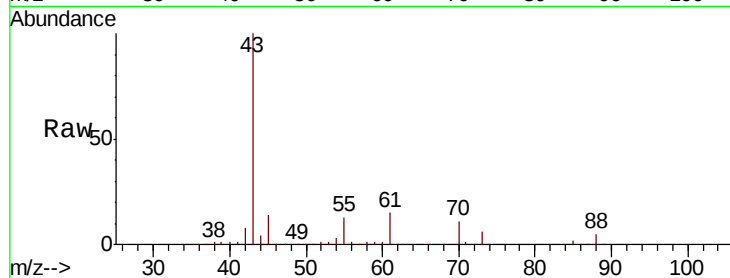
Tgt Ion: 43 Resp: 116958

Ion Ratio Lower Upper

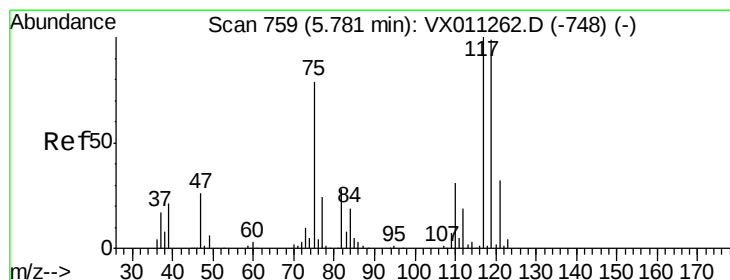
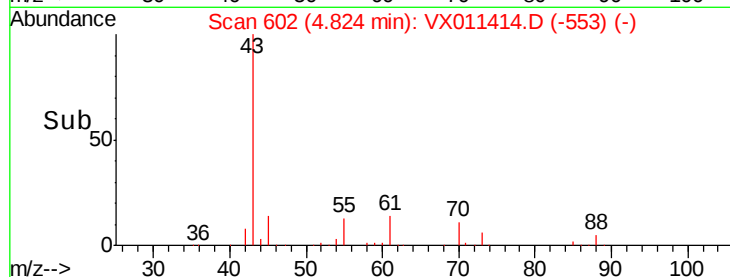
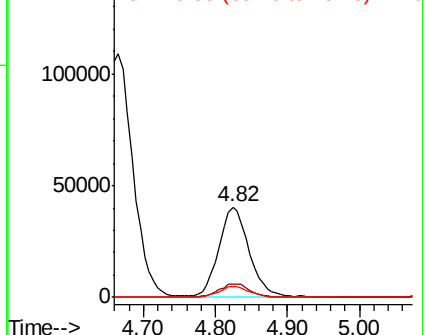
43 100

61 15.5 12.6 18.8

70 11.8 9.1 13.7



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: 53.488 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

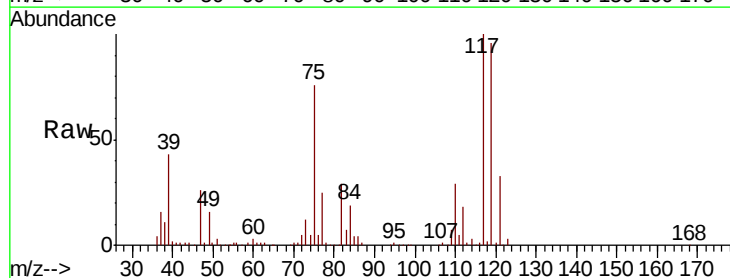
Tgt Ion: 117 Resp: 120103

Ion Ratio Lower Upper

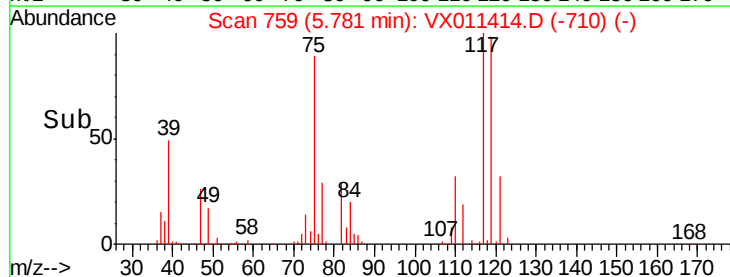
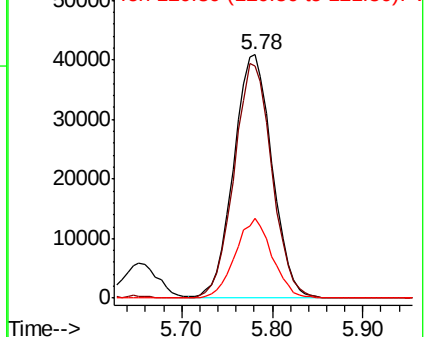
117 100

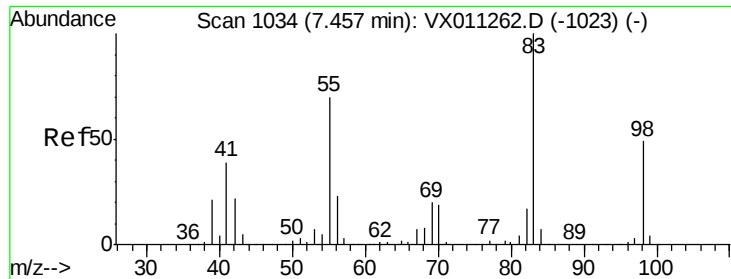
119 95.4 79.0 118.4

121 32.5 25.9 38.9



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

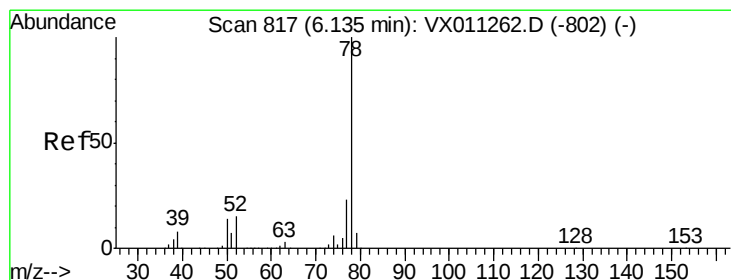
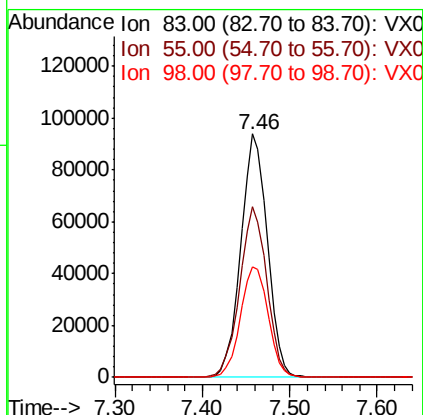
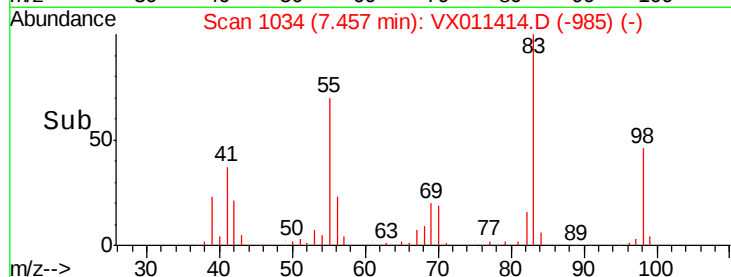
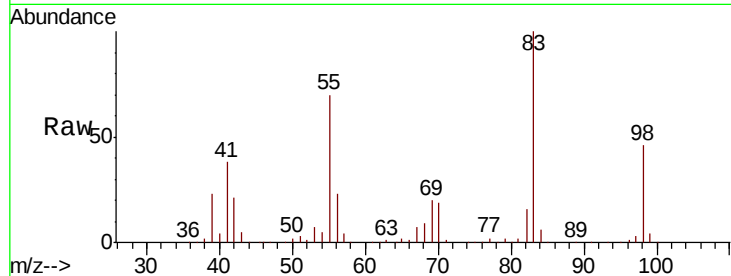




#39
Methylcyclohexane
Concen: 74.686 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

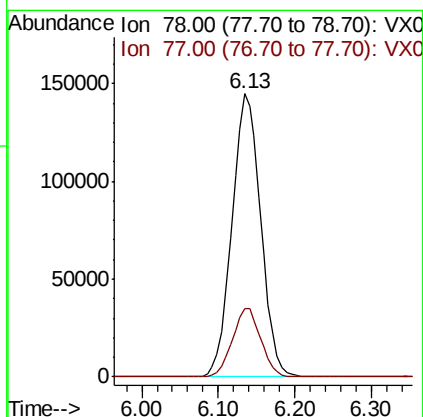
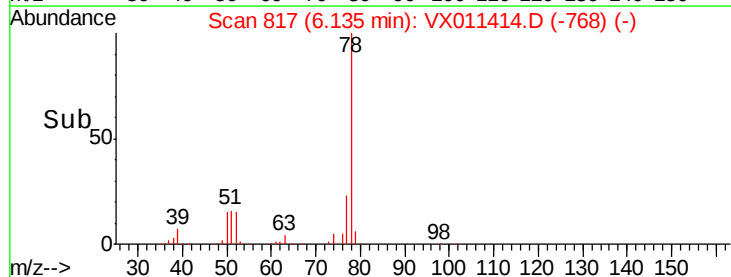
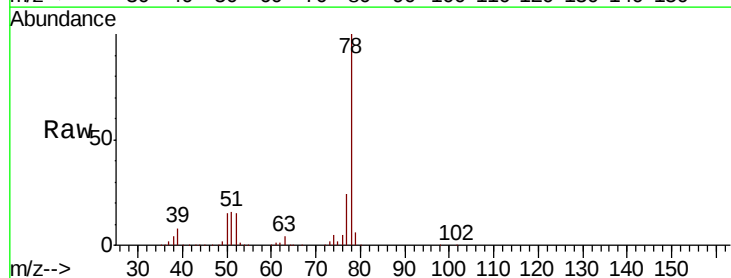
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

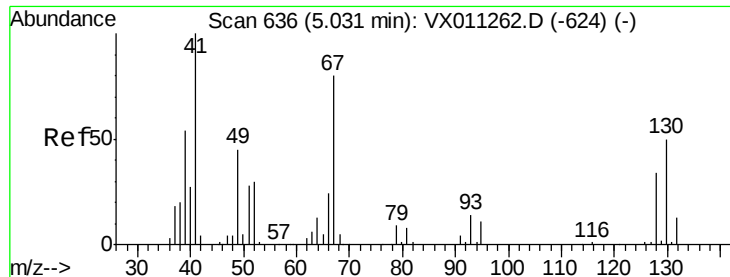
Tgt Ion: 83 Resp: 197583
Ion Ratio Lower Upper
83 100
55 69.8 56.1 84.1
98 45.6 39.0 58.4



#40
Benzene
Concen: 56.476 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 78 Resp: 376135
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.2





#41

Methacrylonitrile

Concen: 52.787 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampled :

K4779-05MSD

Tgt Ion: 41 Resp: 64540

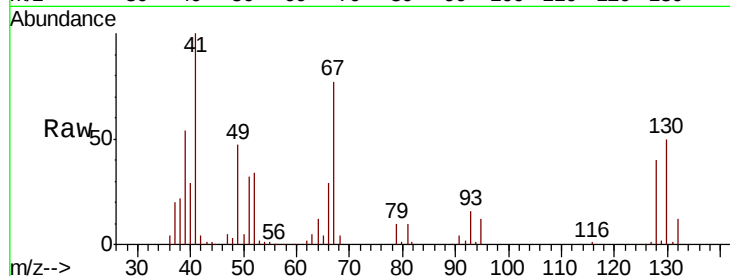
Ion Ratio Lower Upper

41 100

39 56.4 43.0 64.6

67 78.4 65.1 97.7

52 31.9 24.8 37.2

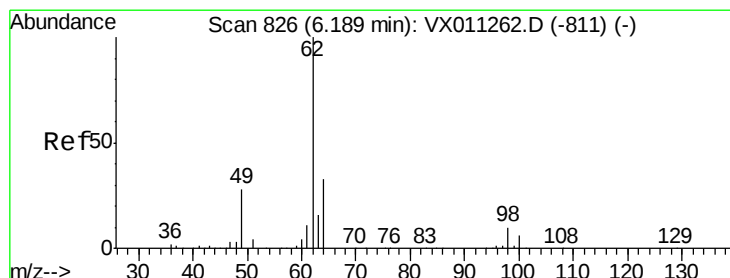
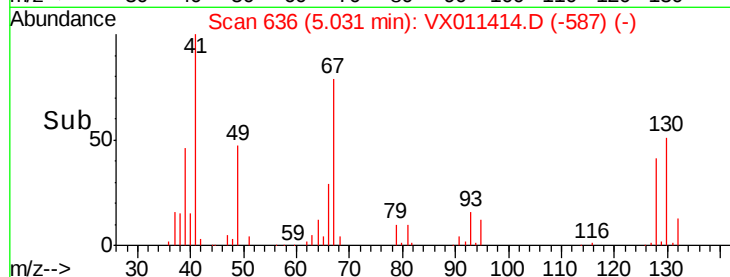
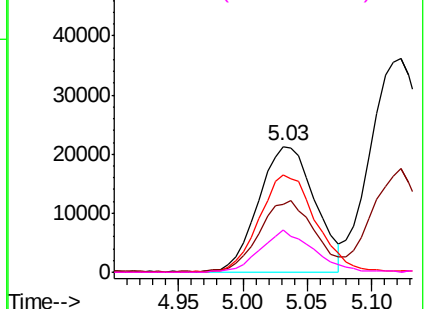


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 54.914 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011414.D

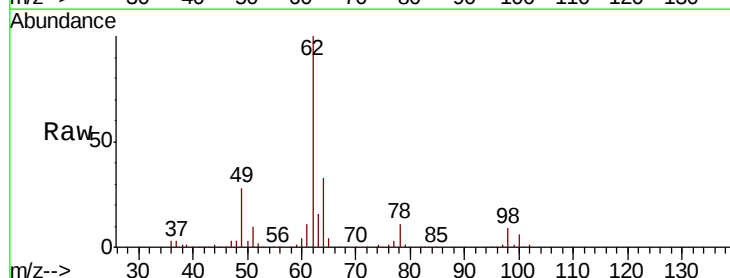
Acq: 09 Aug 2019 16:52

Tgt Ion: 62 Resp: 123672

Ion Ratio Lower Upper

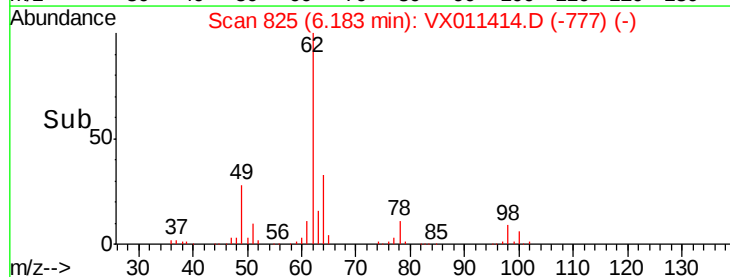
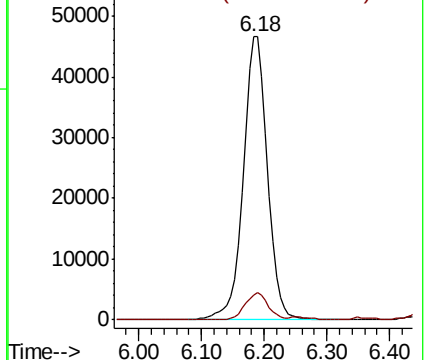
62 100

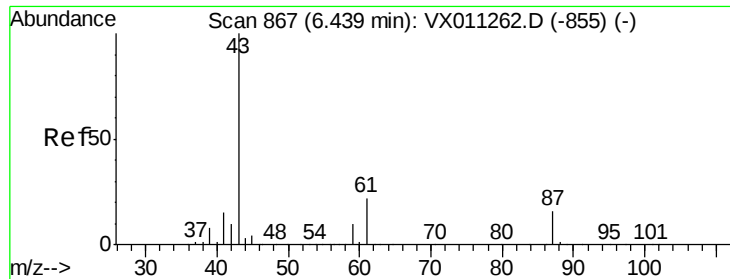
98 9.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

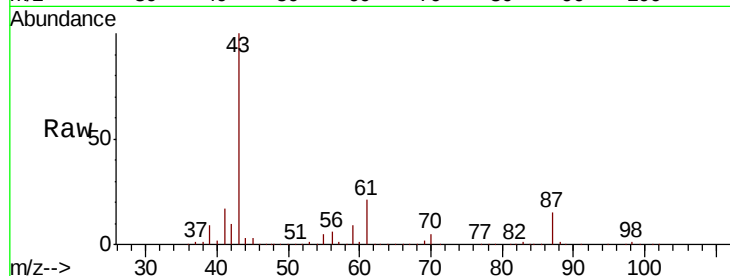




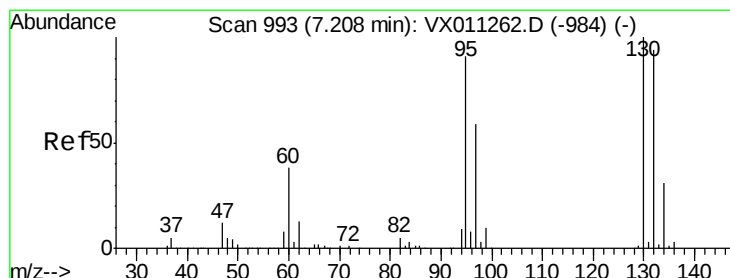
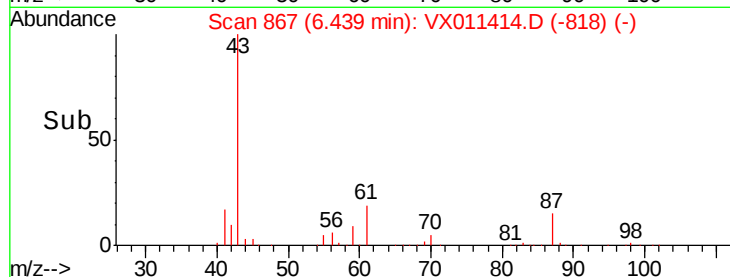
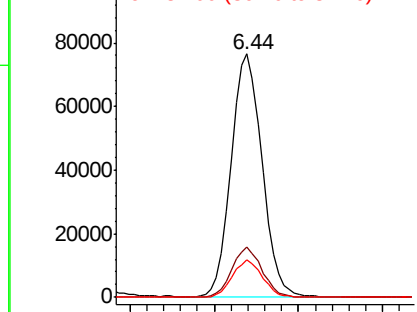
#43
Isopropyl Acetate
Concen: 52.855 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tgt Ion: 43 Resp: 189182
Ion Ratio Lower Upper
43 100
61 20.3 16.5 24.7
87 15.1 12.1 18.1

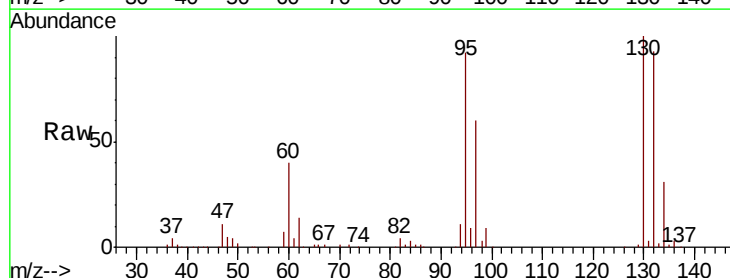


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

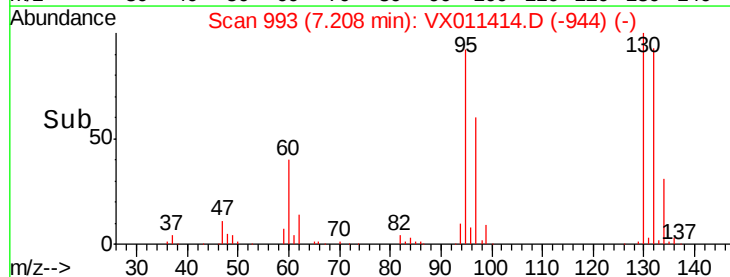
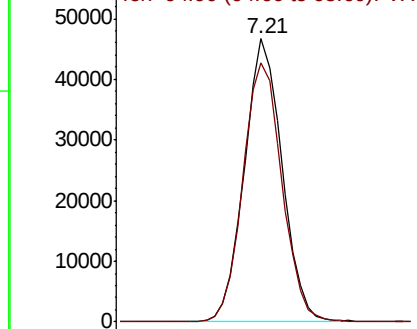


#44
Trichloroethene
Concen: 46.936 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 130 Resp: 94619
Ion Ratio Lower Upper
130 100
95 91.4 0.0 182.6



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





#45

1,2-Dichloropropane

Concen: 49.905 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

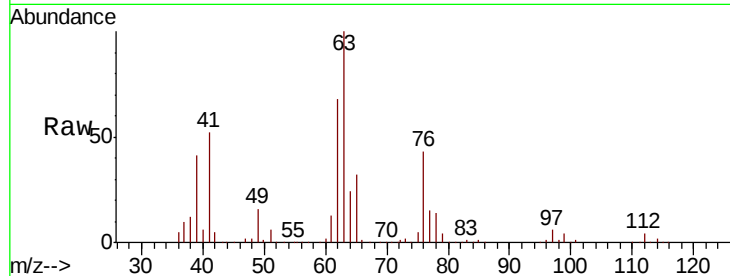
K4779-05MSD

Tgt Ion: 63 Resp: 86079

Ion Ratio Lower Upper

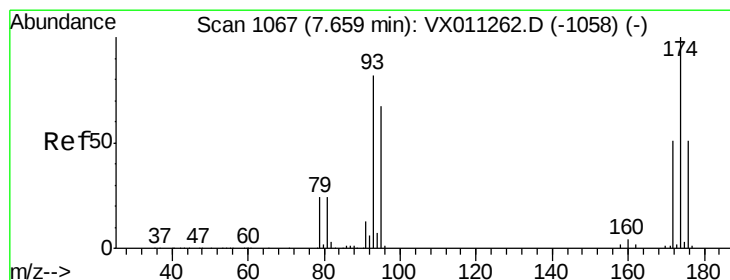
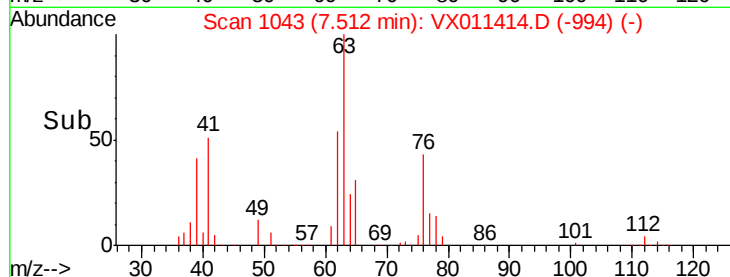
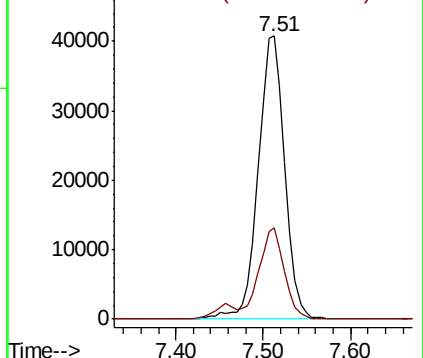
63 100

65 32.2 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.183 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

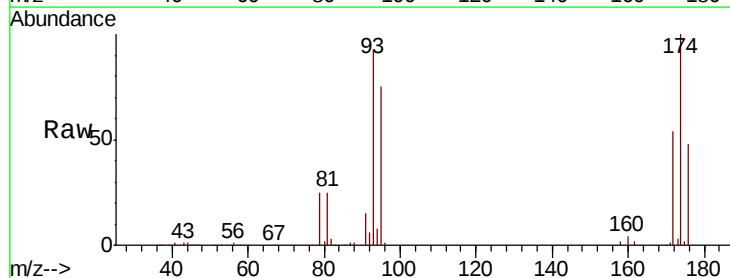
Tgt Ion: 93 Resp: 63189

Ion Ratio Lower Upper

93 100

95 80.8 66.4 99.6

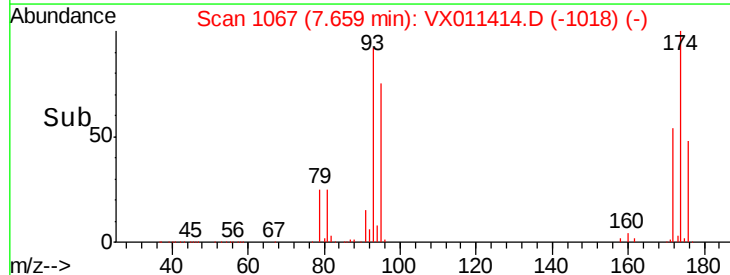
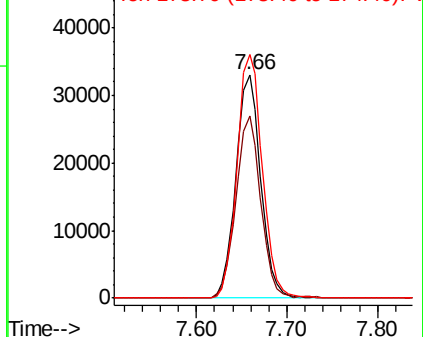
174 111.0 93.4 140.2

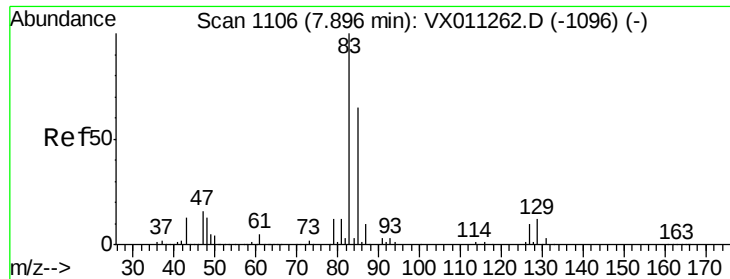


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.947 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

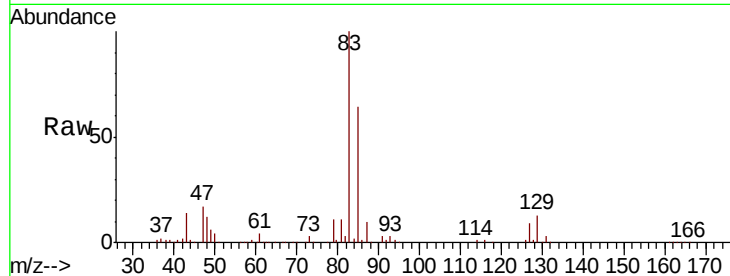
Tgt Ion: 83 Resp: 117140

Ion Ratio Lower Upper

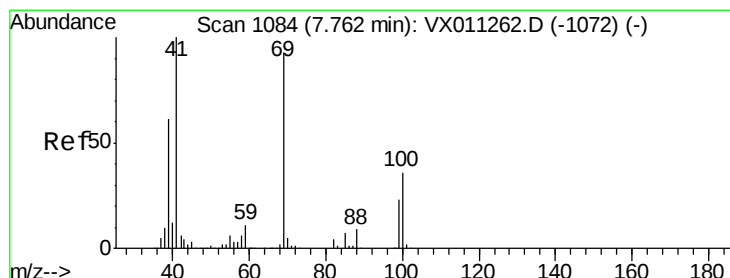
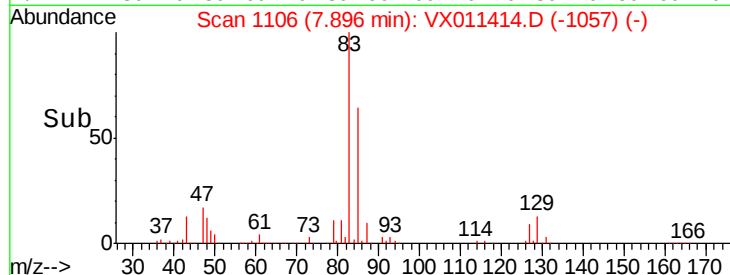
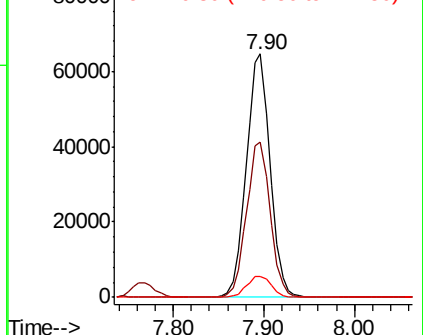
83 100

85 63.6 52.2 78.2

127 8.7 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.171 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

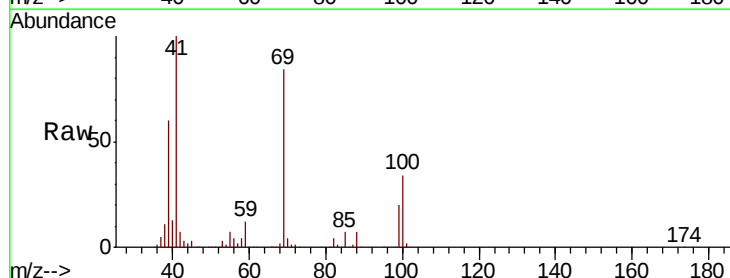
Tgt Ion: 41 Resp: 96301

Ion Ratio Lower Upper

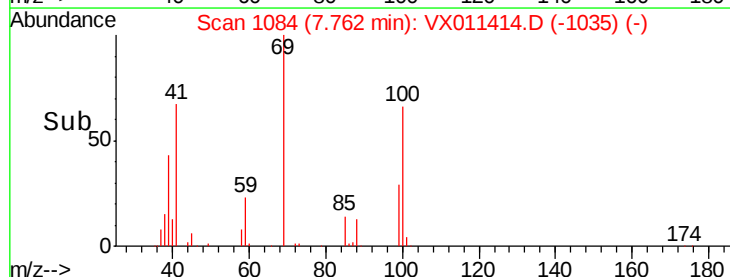
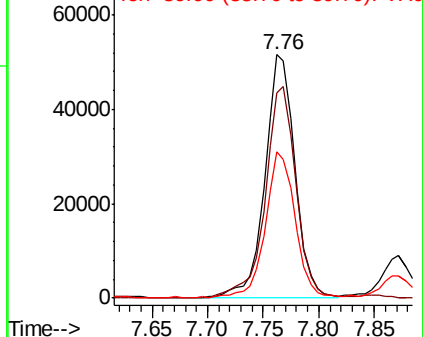
41 100

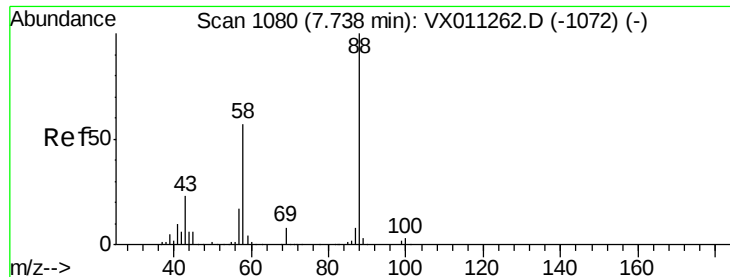
69 90.3 74.5 111.7

39 59.5 48.6 72.8



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

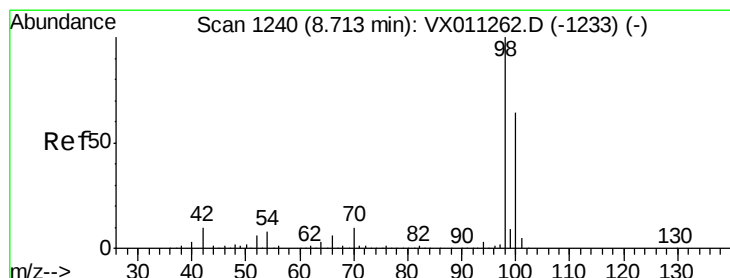
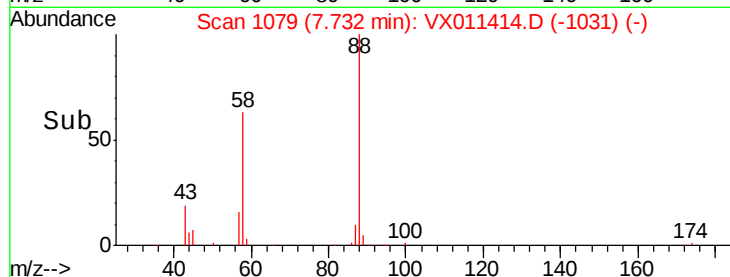
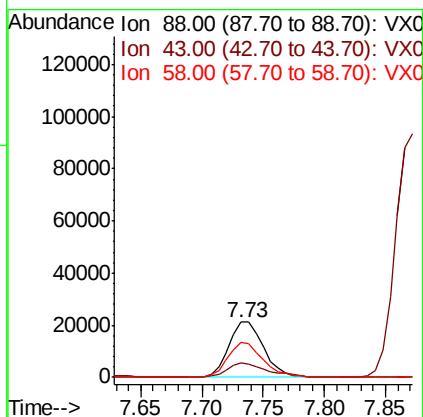
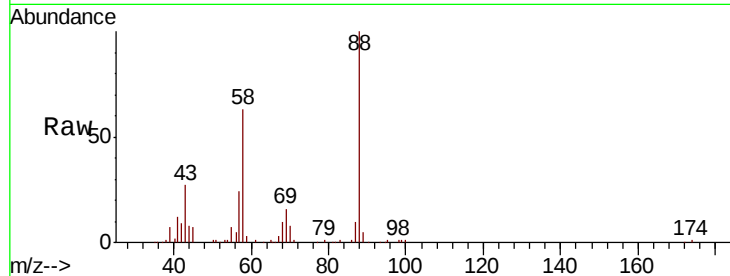




#49
1,4-Dioxane
Concen: 863.572 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

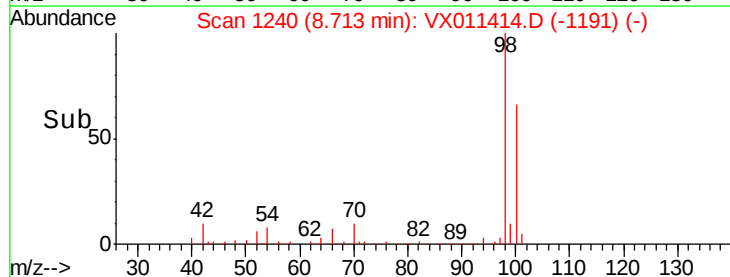
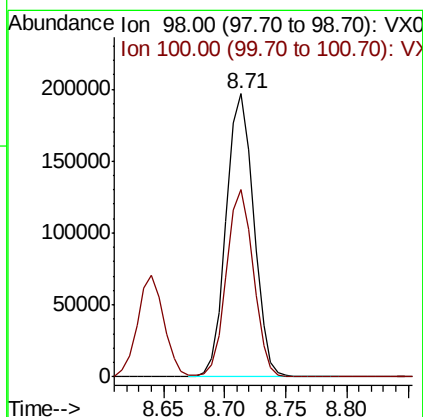
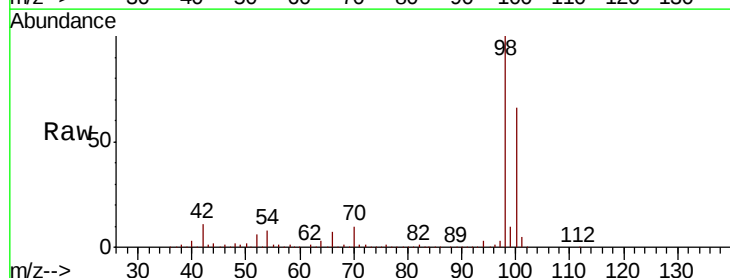
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

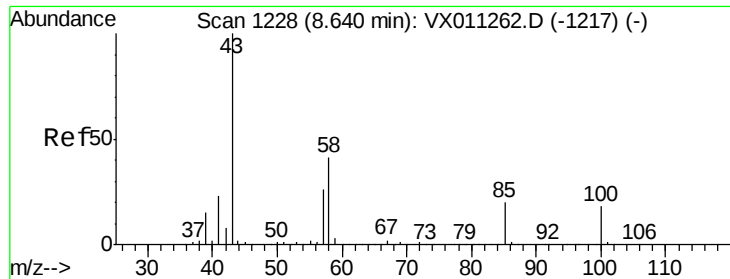
Tgt Ion: 88 Resp: 42171
Ion Ratio Lower Upper
88 100
43 29.3 22.2 33.2
58 63.3 47.8 71.8



#50
Toluene-d8
Concen: 48.740 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 98 Resp: 307050
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

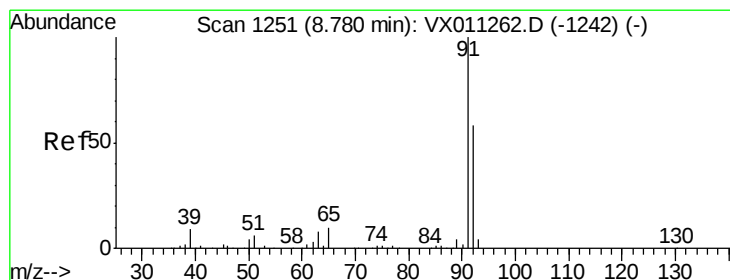
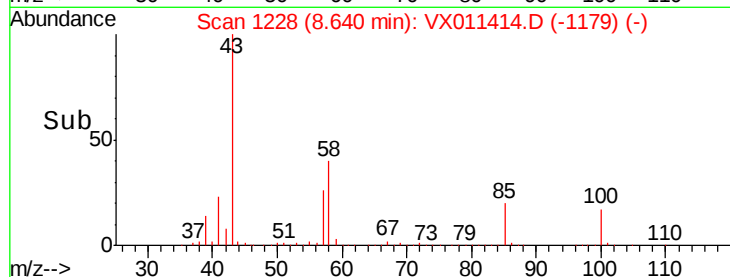
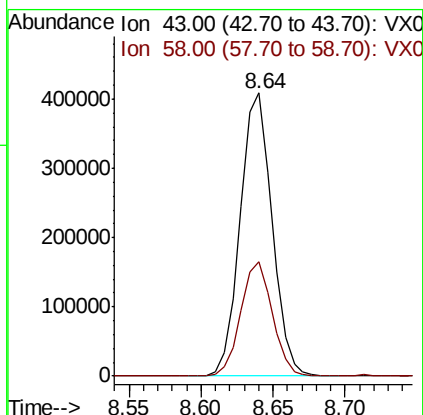
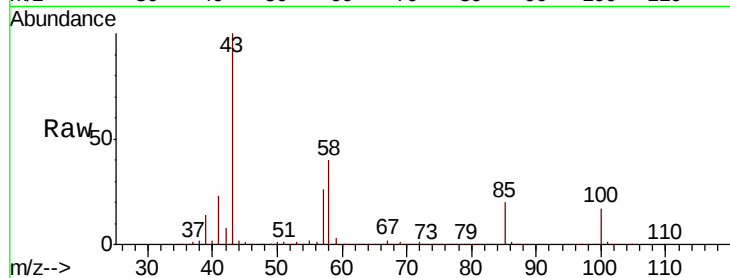




#51
 4-Methyl-2-Pentanone
 Concen: 272.201 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

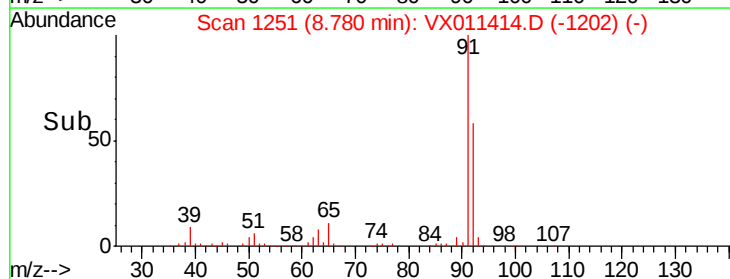
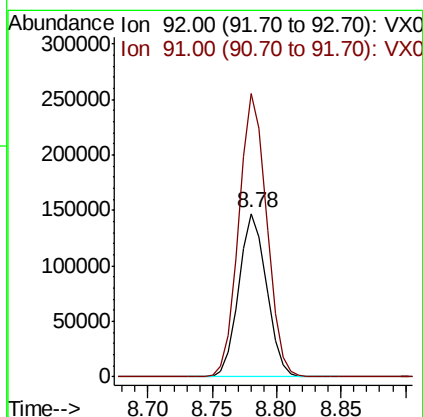
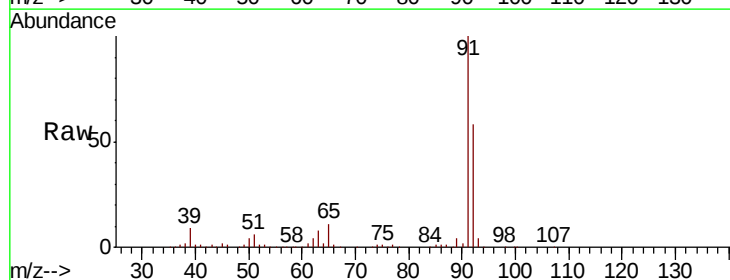
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

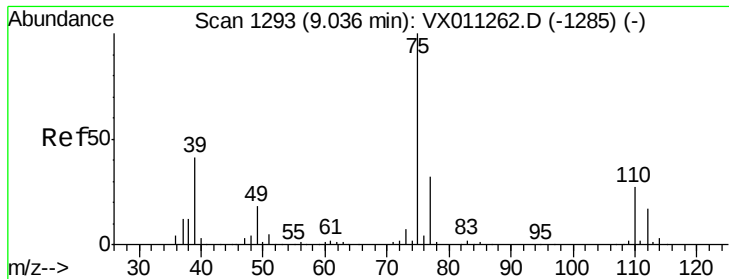
Tgt Ion: 43 Resp: 628758
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.3 48.5



#52
 Toluene
 Concen: 49.970 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 92 Resp: 220041
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.4 209.0

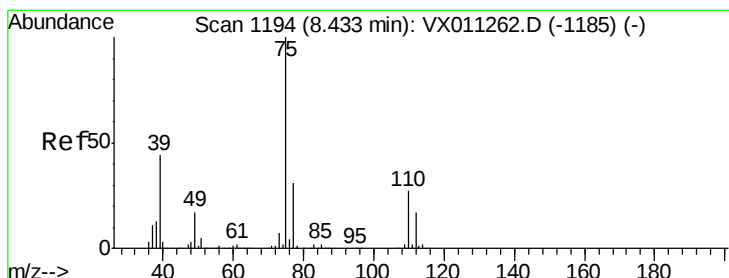
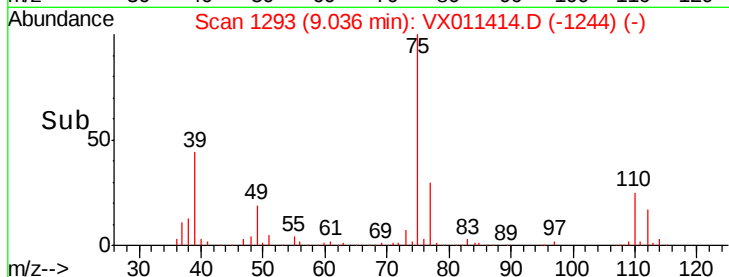
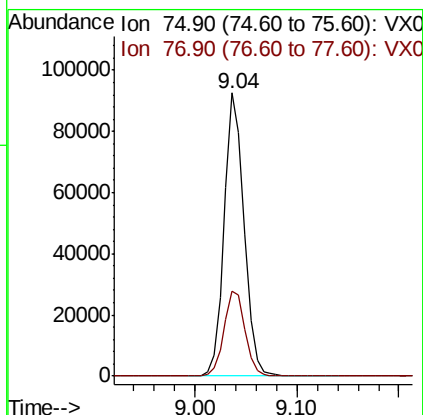
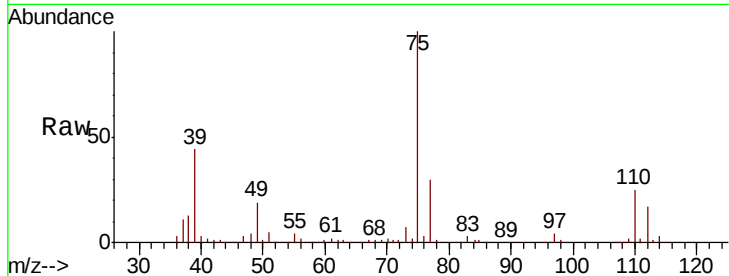




#53
 t-1,3-Dichloropropene
 Concen: 50.436 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

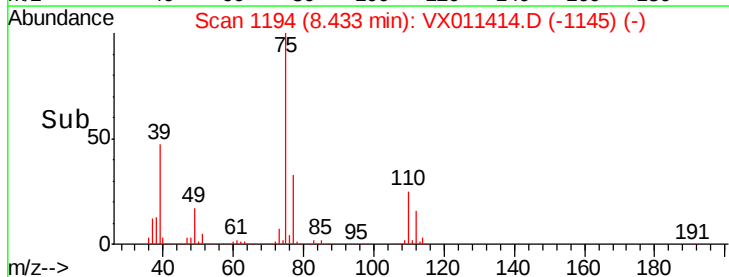
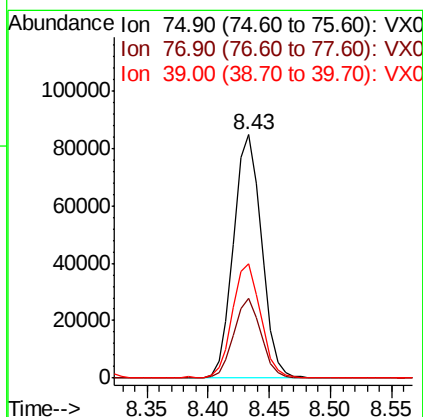
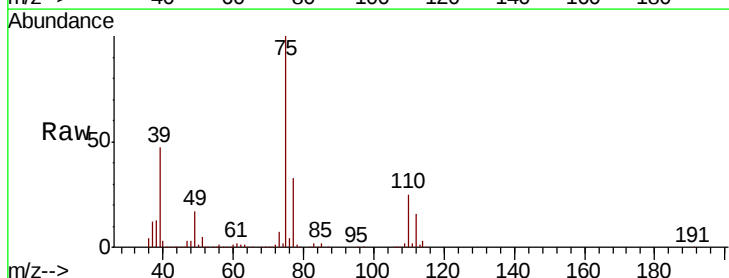
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tgt Ion: 75 Resp: 125285
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 54.087 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 75 Resp: 134693
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6
 39 46.8 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 50.165 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tgt Ion: 97 Resp: 90824

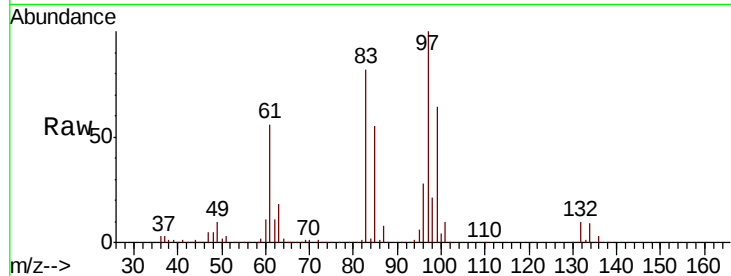
Ion Ratio Lower Upper

97 100

83 82.3 67.6 101.4

85 54.5 43.4 65.0

99 64.0 49.6 74.4

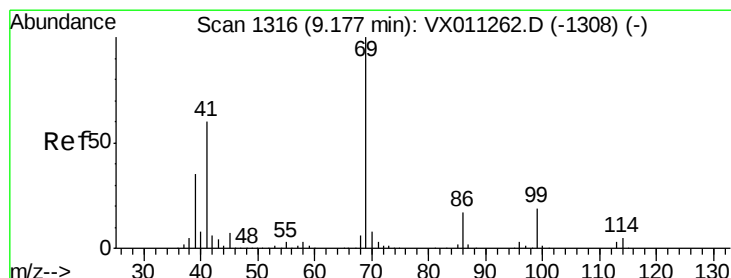
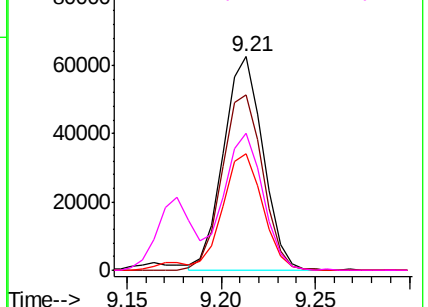
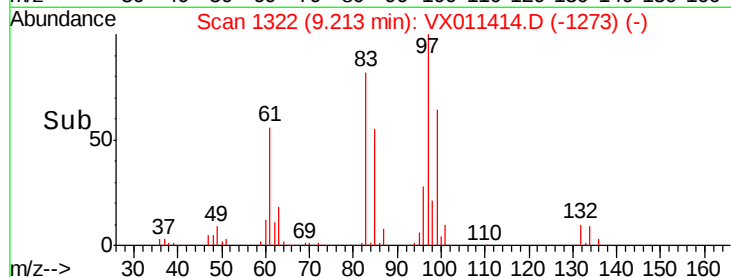


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 55.911 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

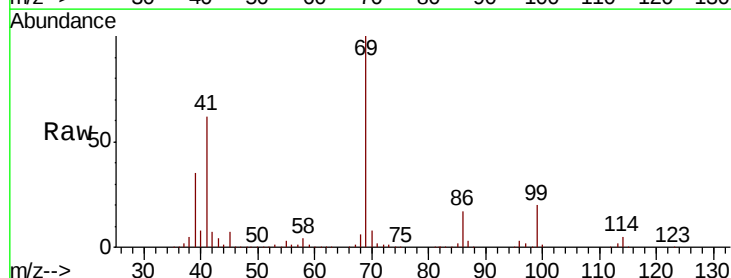
Tgt Ion: 69 Resp: 144255

Ion Ratio Lower Upper

69 100

41 63.0 48.6 73.0

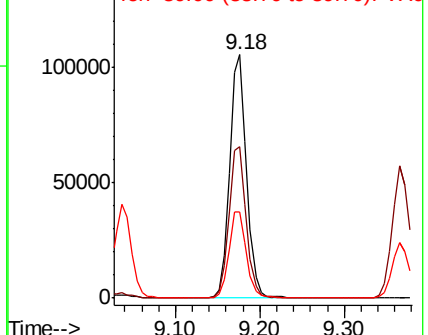
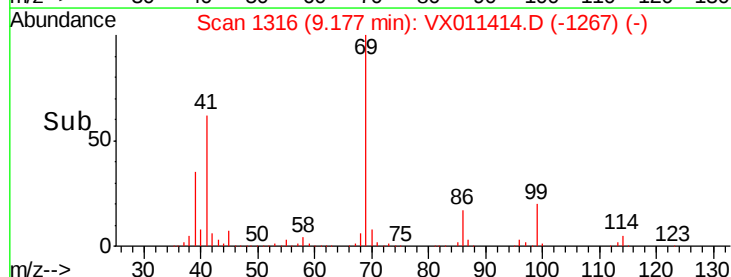
39 36.6 29.4 44.2

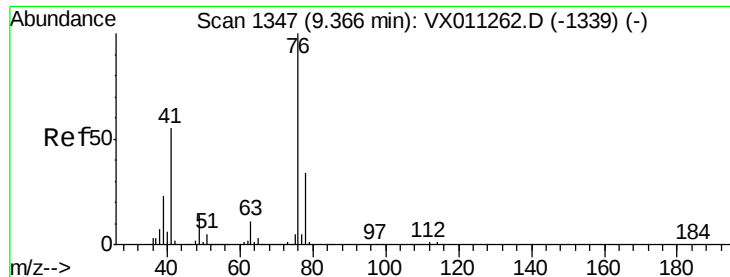


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.147 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

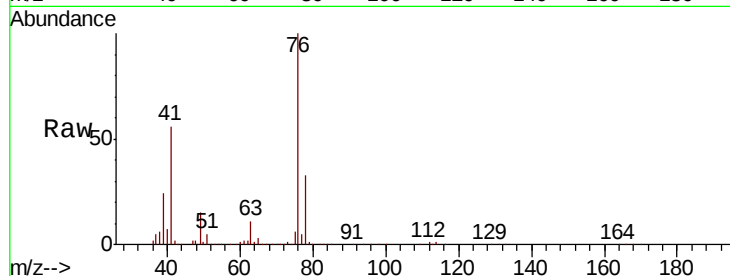
K4779-05MSD

Tgt Ion: 76 Resp: 146449

Ion Ratio Lower Upper

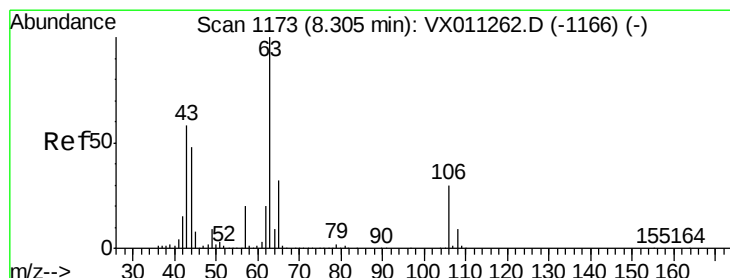
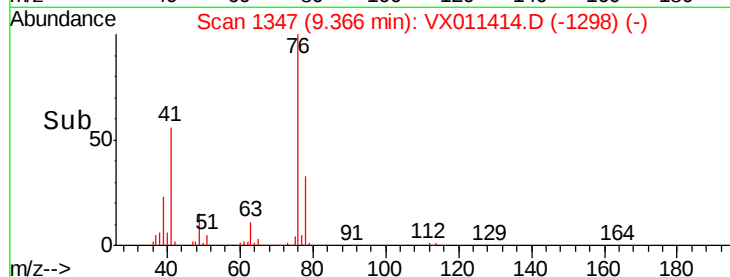
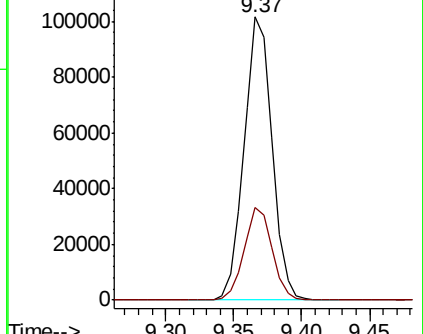
76 100

78 32.6 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 253.789 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011414.D

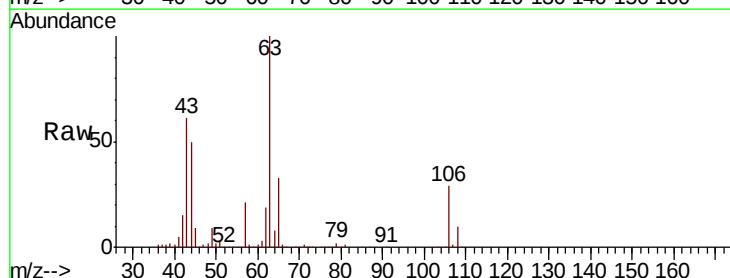
Acq: 09 Aug 2019 16:52

Tgt Ion: 63 Resp: 321956

Ion Ratio Lower Upper

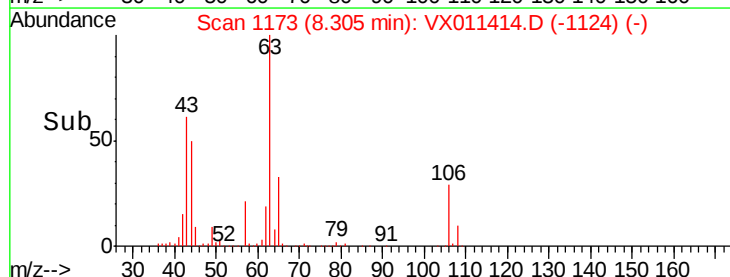
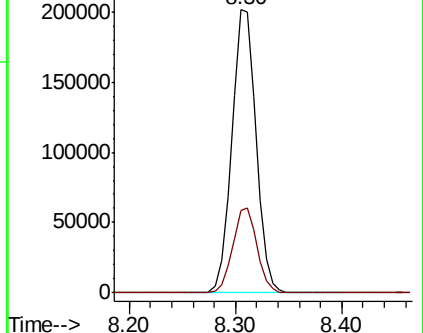
63 100

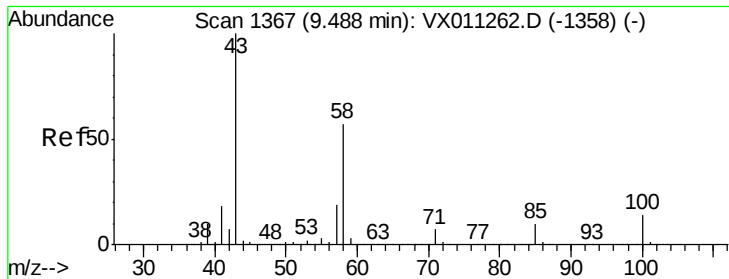
106 29.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

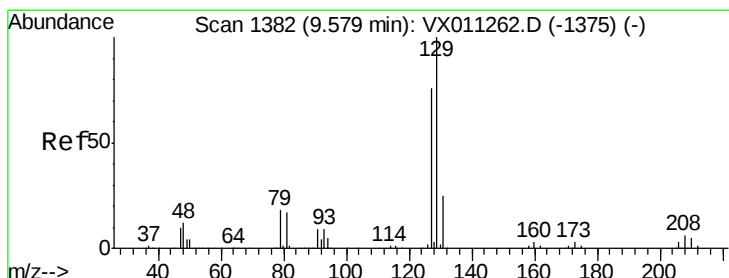
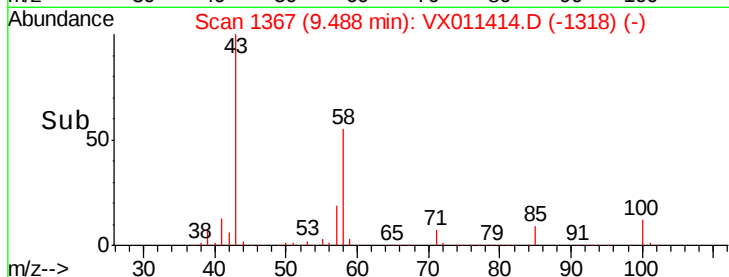
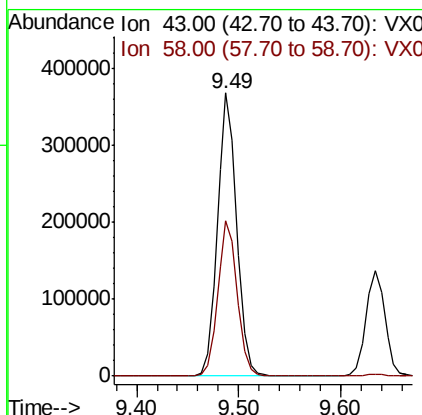
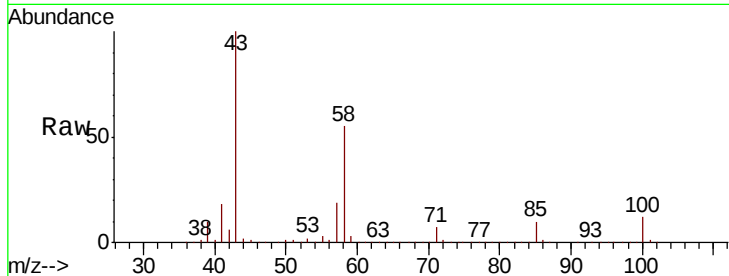




#59
2-Hexanone
Concen: 272.371 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

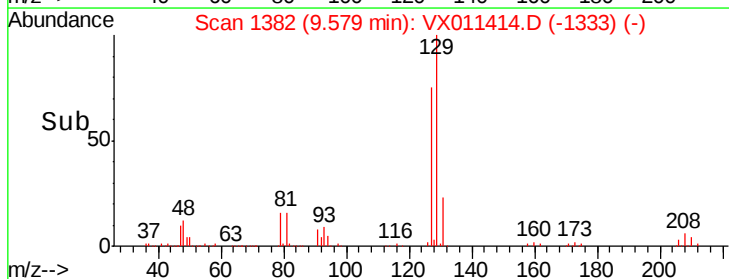
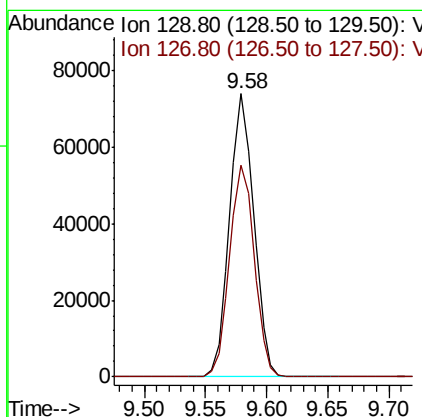
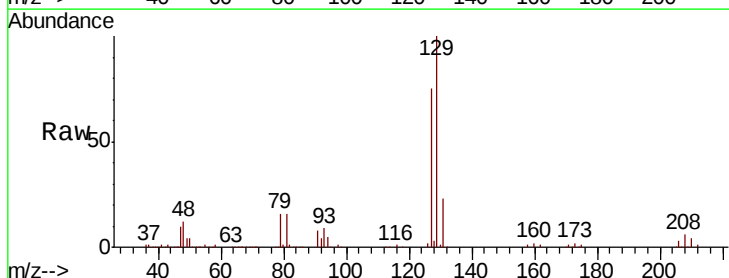
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

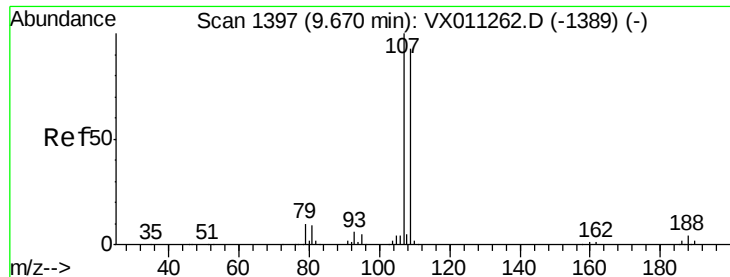
Tgt Ion: 43 Resp: 487317
Ion Ratio Lower Upper
43 100
58 55.4 28.2 84.6



#60
Dibromochloromethane
Concen: 54.926 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 129 Resp: 101812
Ion Ratio Lower Upper
129 100
127 76.1 39.2 117.6

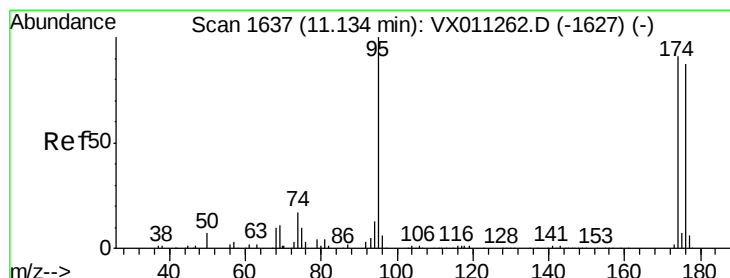
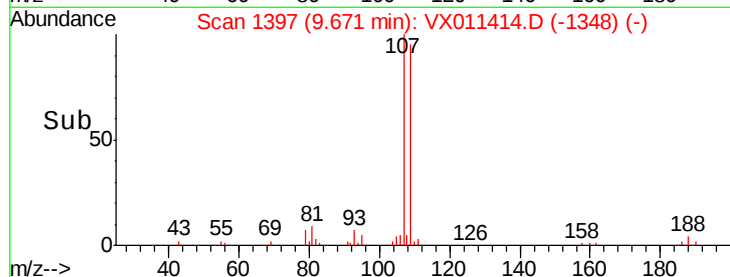
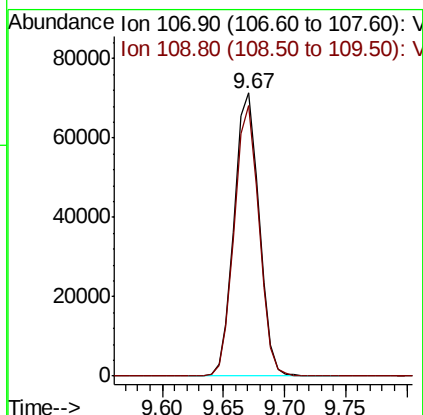
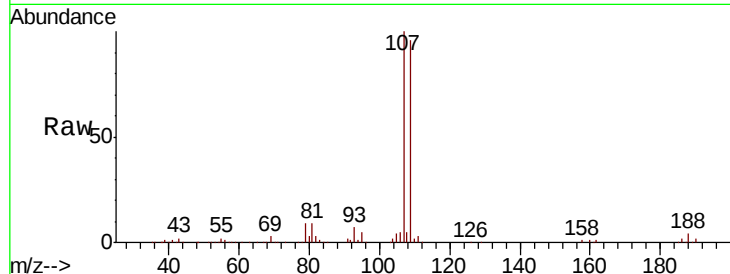




#61
 1,2-Dibromoethane
 Concen: 51.509 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

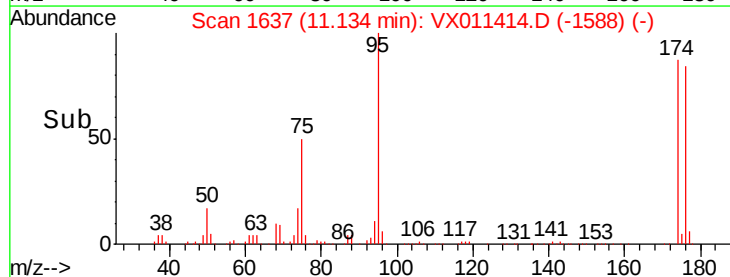
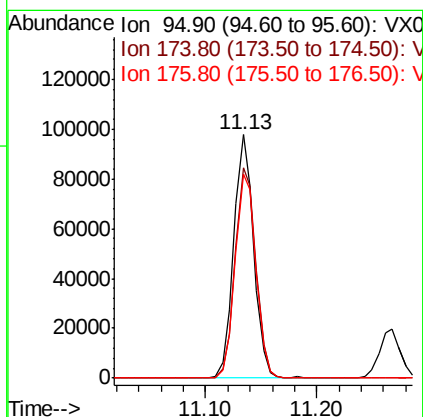
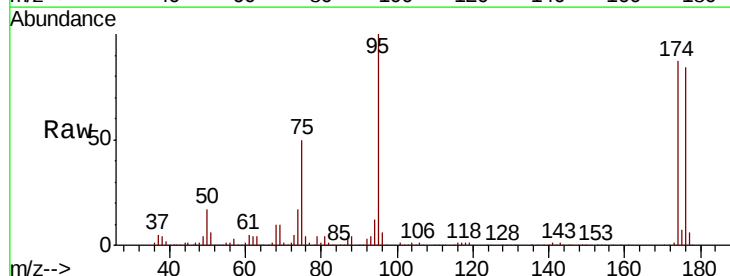
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

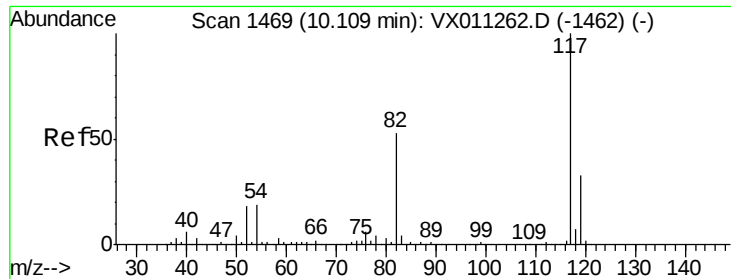
Tgt Ion: 107 Resp: 100756
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 53.874 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 95 Resp: 121174
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 191.2
 176 87.3 0.0 184.8

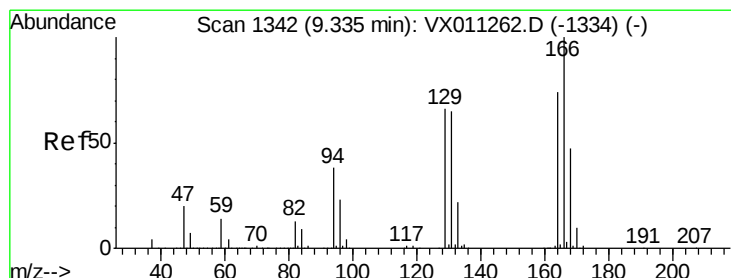
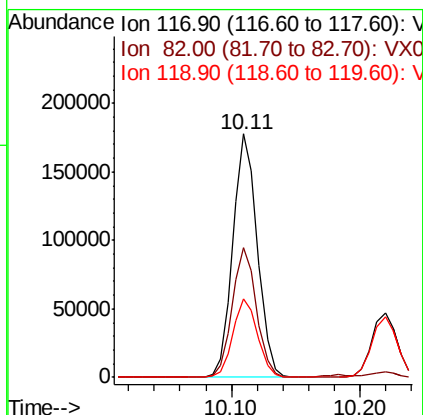
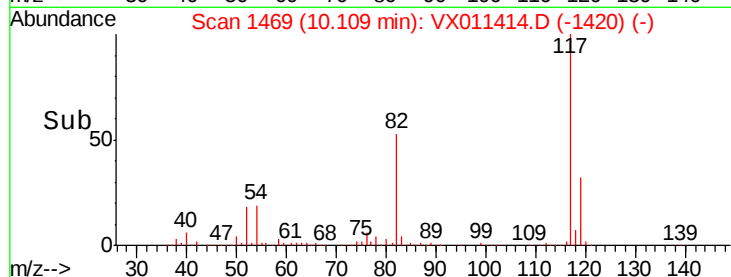
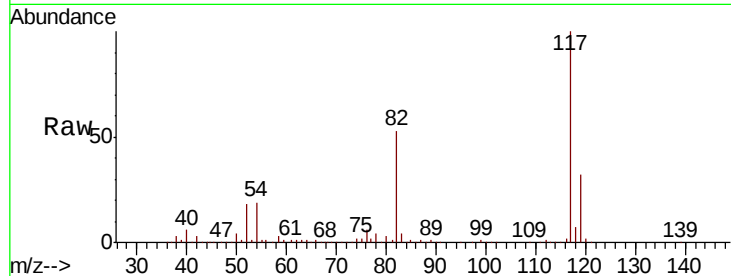




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

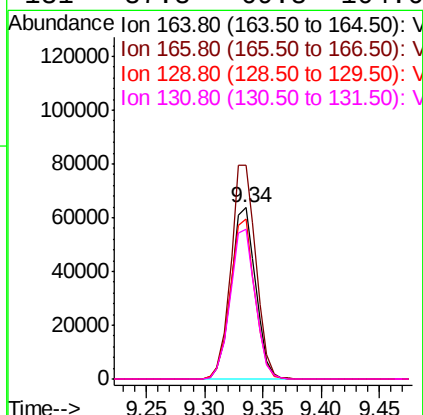
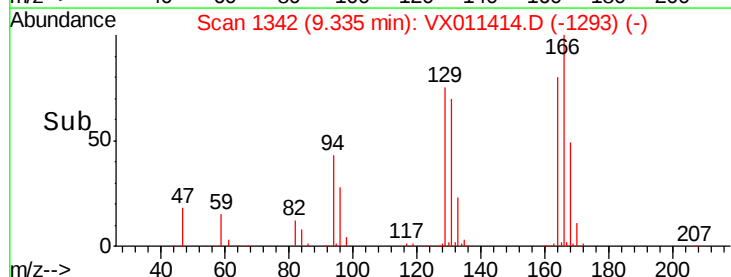
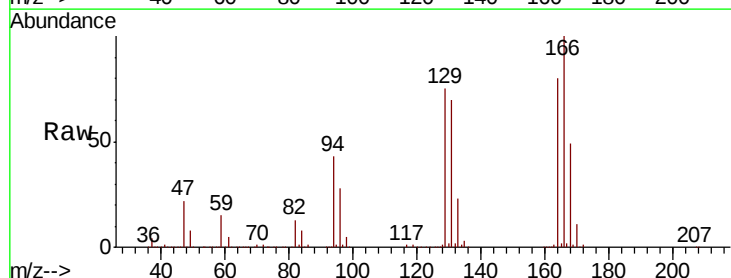
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

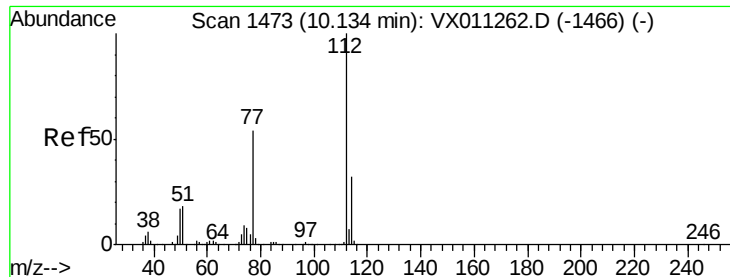
Tgt Ion:117 Resp: 236681
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 46.699 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion:164 Resp: 93865
Ion Ratio Lower Upper
164 100
166 124.8 107.5 161.3
129 93.5 71.0 106.4
131 87.8 69.8 104.6

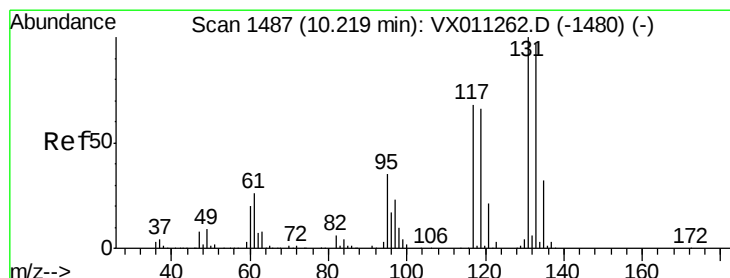
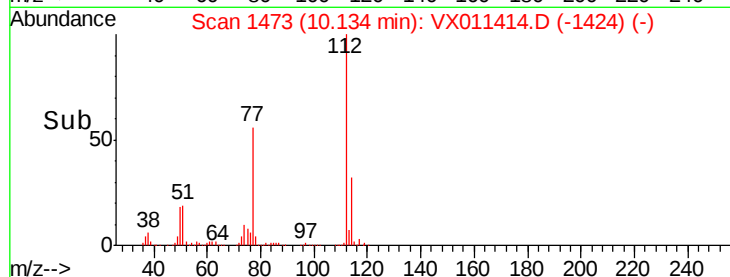
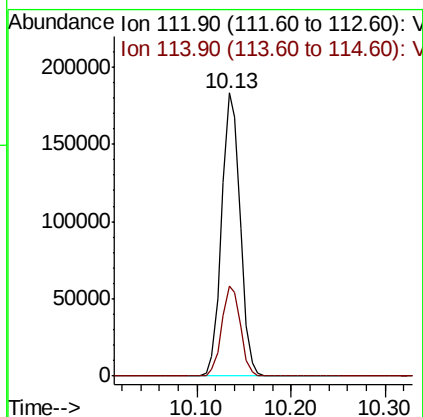
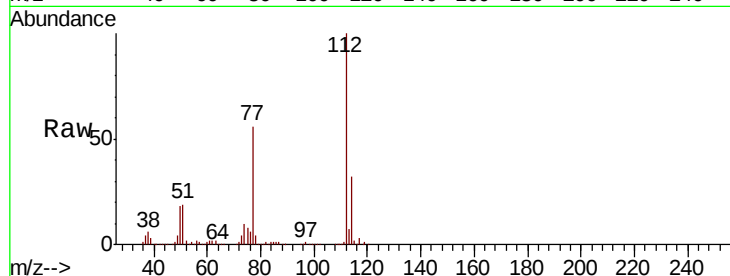




#65
Chlorobenzene
Concen: 49.264 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

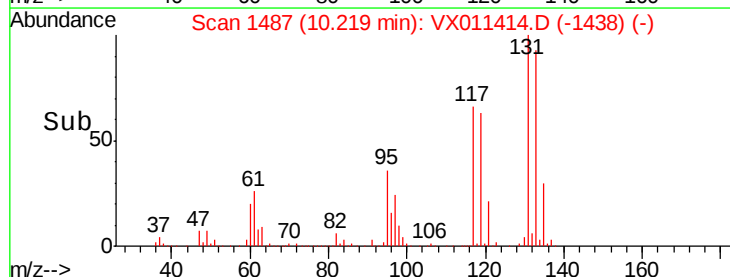
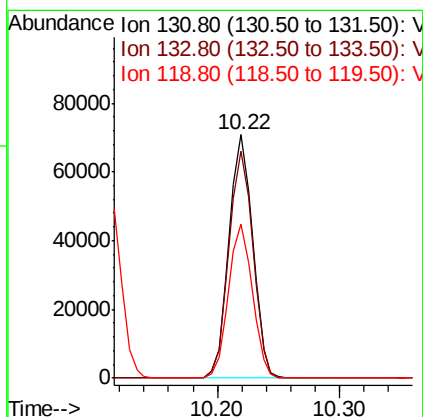
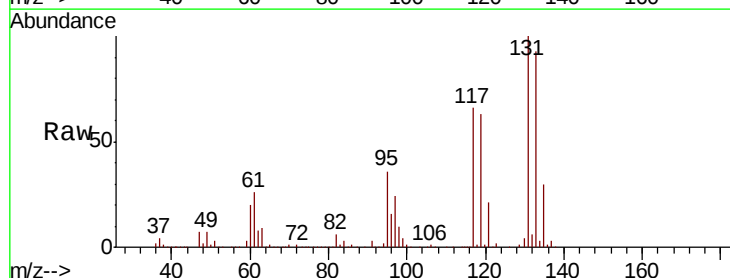
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

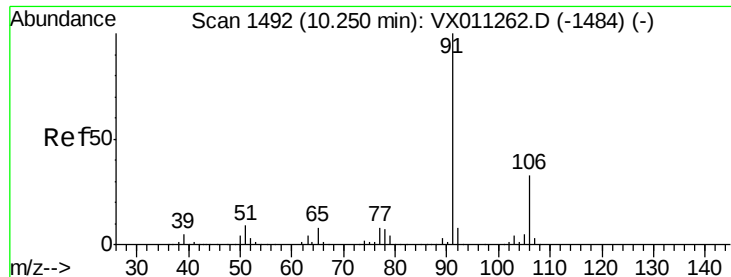
Tgt Ion:112 Resp: 250003
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.766 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion:131 Resp: 95149
Ion Ratio Lower Upper
131 100
133 94.4 47.7 143.1
119 63.5 32.8 98.3





#67

Ethyl Benzene

Concen: 229.910 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

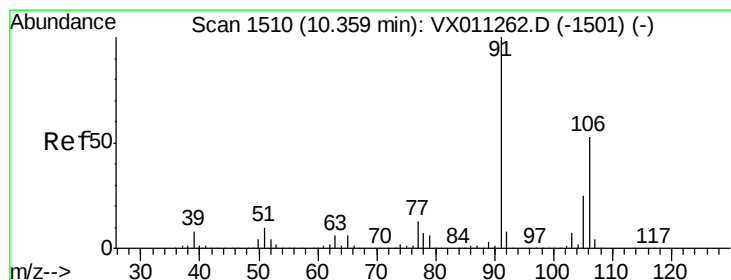
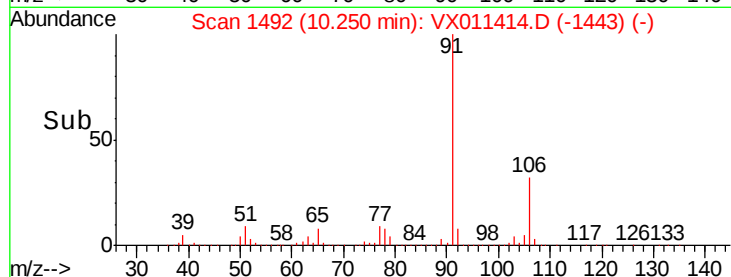
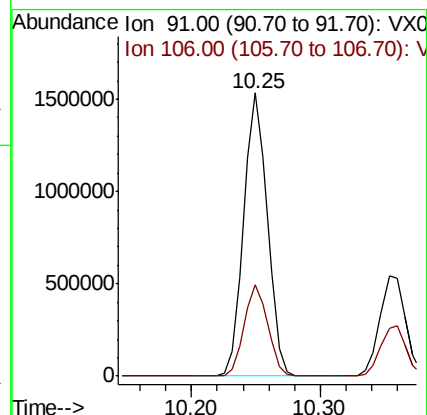
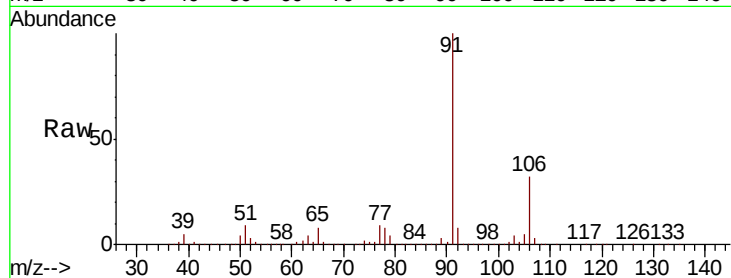
K4779-05MSD

Tgt Ion: 91 Resp: 1953991

Ion Ratio Lower Upper

91 100

106 32.3 26.2 39.4



#68

m/p-Xylenes

Concen: 113.039 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011414.D

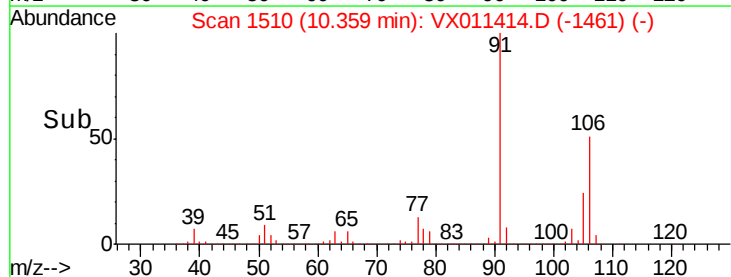
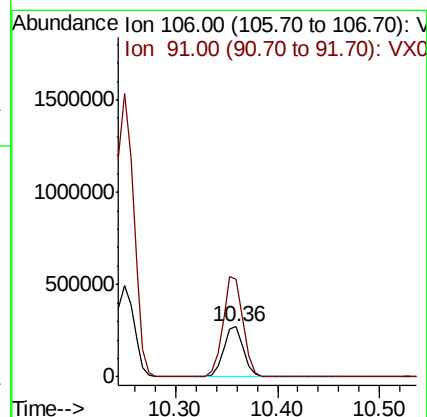
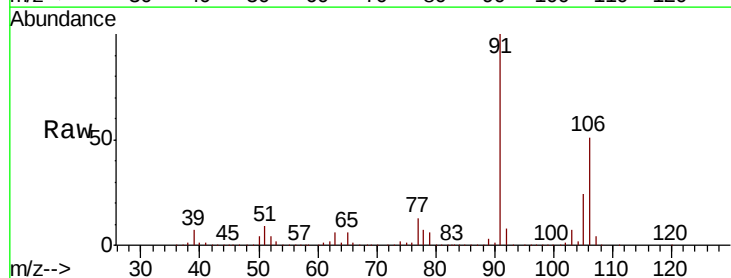
Acq: 09 Aug 2019 16:52

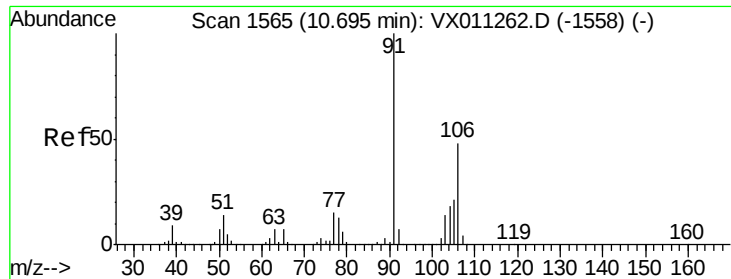
Tgt Ion: 106 Resp: 371602

Ion Ratio Lower Upper

106 100

91 200.2 155.9 233.9

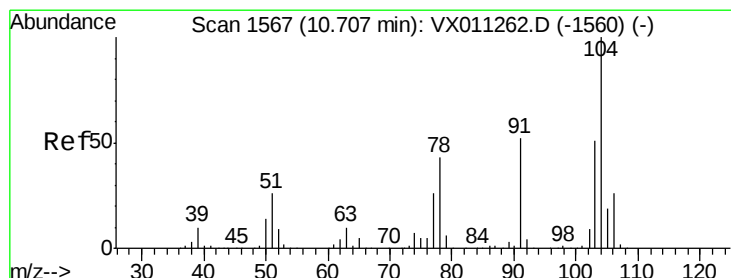
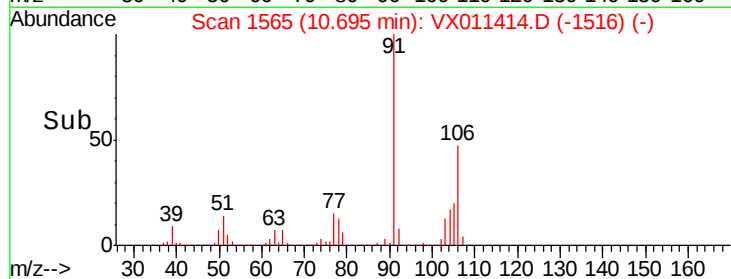
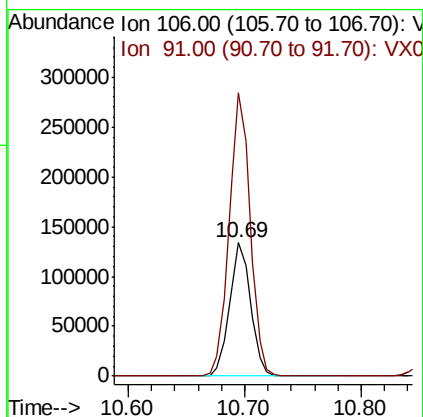
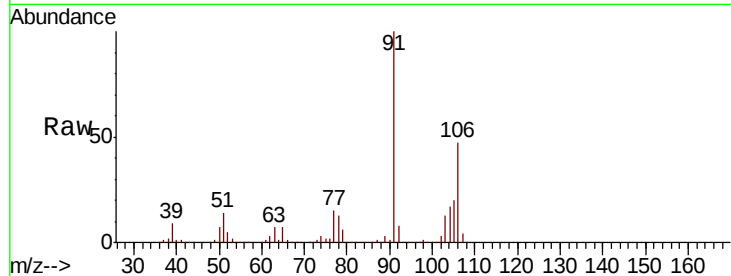




#69
o-Xylene
Concen: 52.243 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

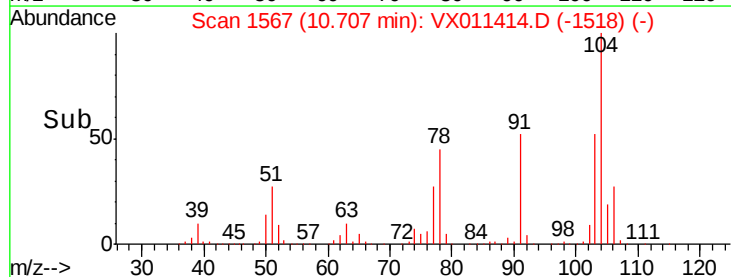
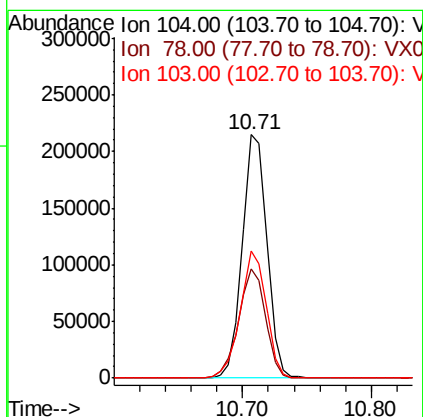
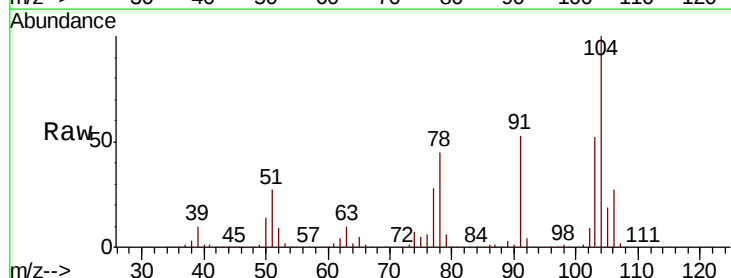
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

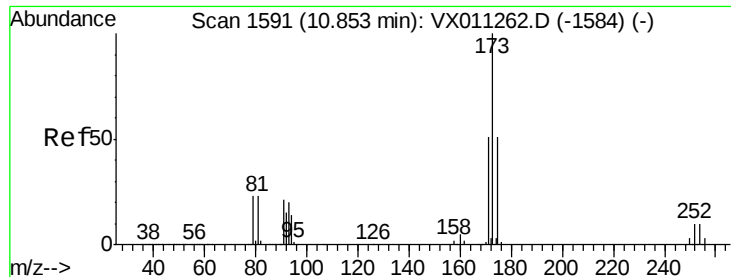
Tgt Ion:106 Resp: 168743
Ion Ratio Lower Upper
106 100
91 211.5 103.8 311.3



#70
Styrene
Concen: 53.243 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion:104 Resp: 284553
Ion Ratio Lower Upper
104 100
78 49.2 36.9 55.3
103 55.3 44.4 66.6





#71

Bromoform

Concen: 49.584 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

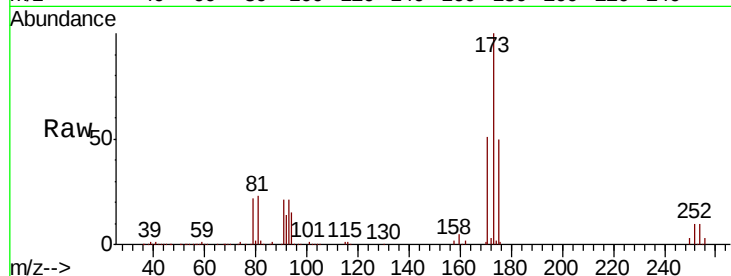
Tgt Ion:173 Resp: 76986

Ion Ratio Lower Upper

173 100

175 49.6 24.4 73.4

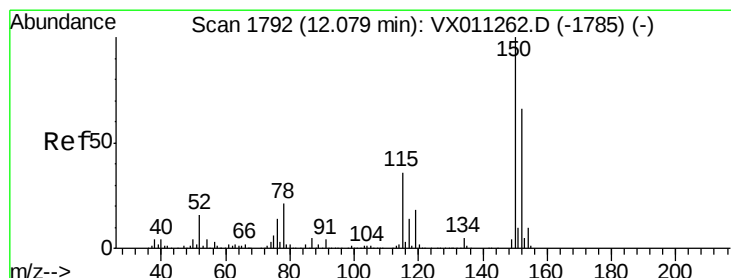
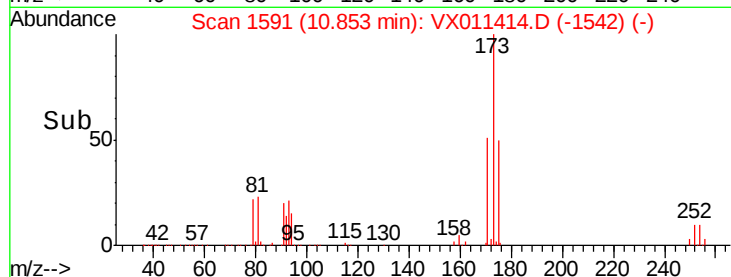
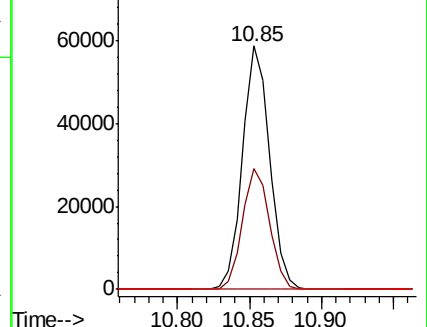
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

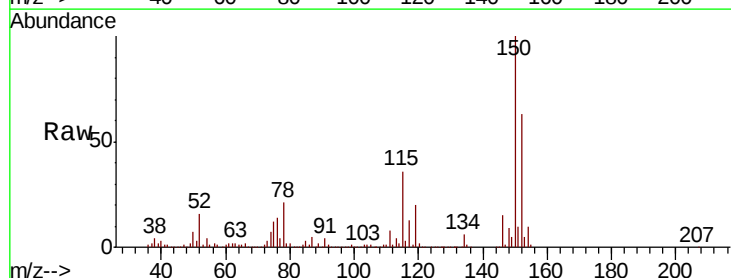
Tgt Ion:152 Resp: 129013

Ion Ratio Lower Upper

152 100

115 83.6 40.0 119.9

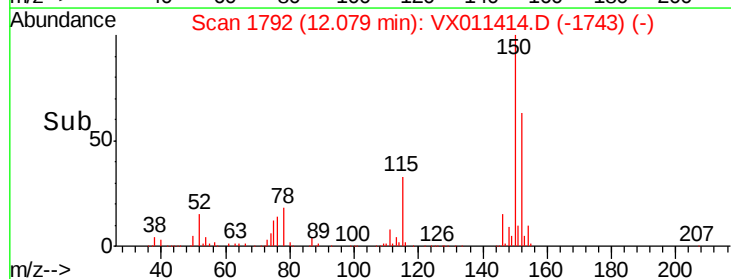
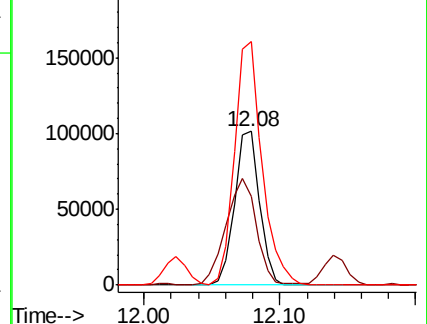
150 175.2 0.0 350.4

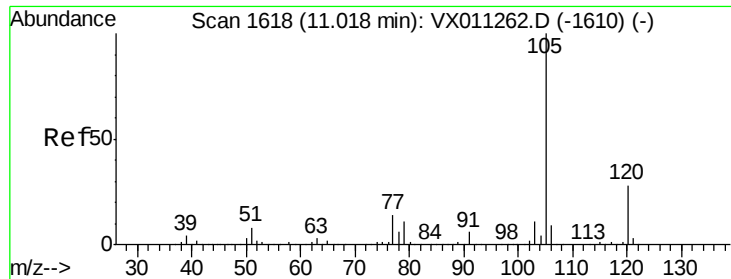


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 70.261 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampled :

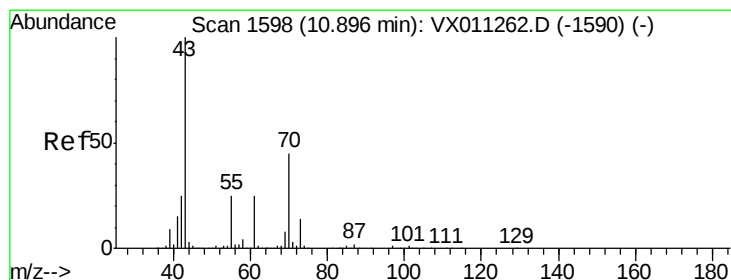
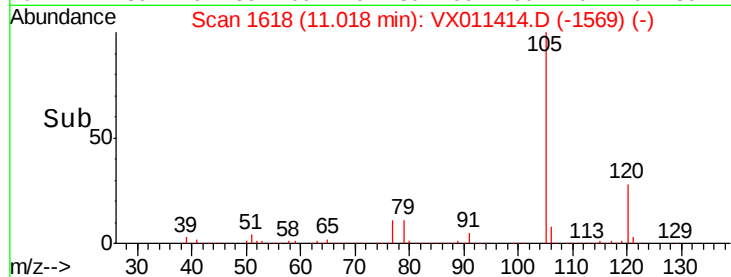
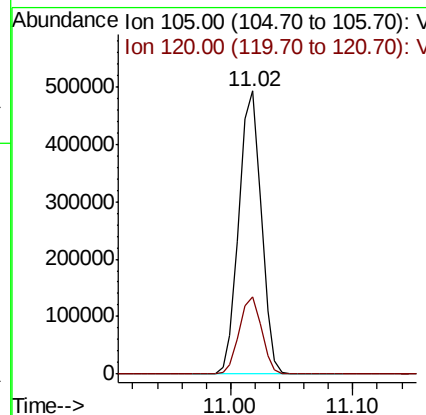
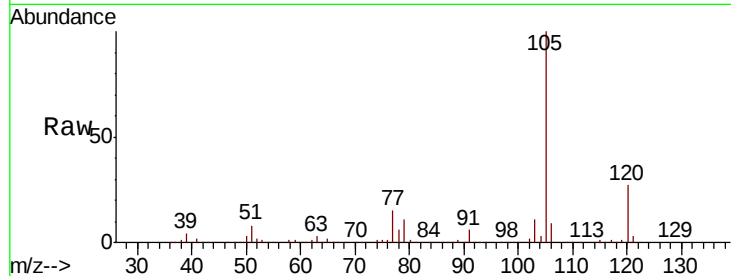
K4779-05MSD

Tgt Ion:105 Resp: 619953

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.1



#74

N-ethyl acetate

Concen: 56.260 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion: 43 Resp: 179370

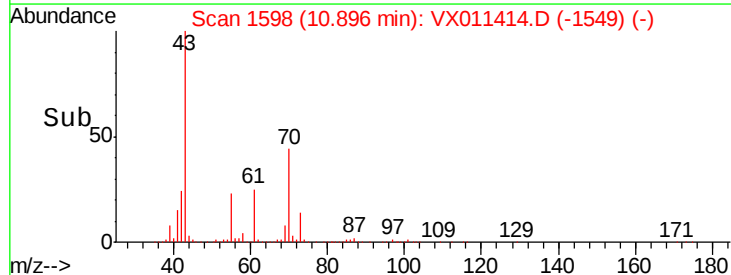
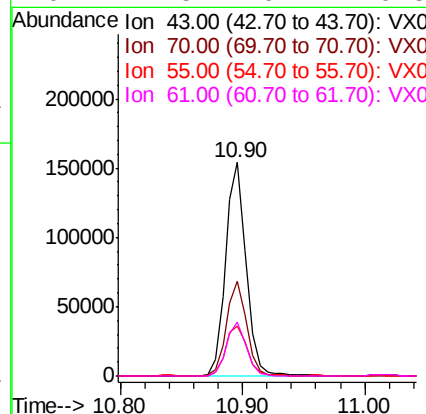
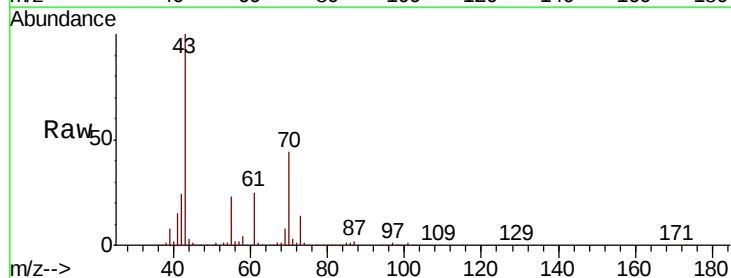
Ion Ratio Lower Upper

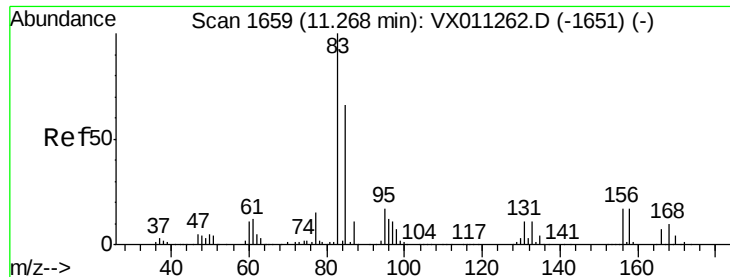
43 100

70 43.7 35.9 53.9

55 24.5 19.8 29.6

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.202 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

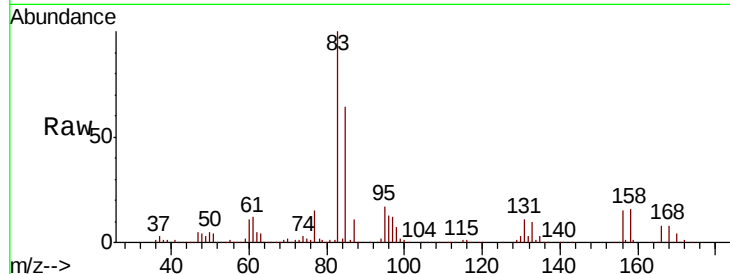
Tgt Ion: 83 Resp: 150556

Ion Ratio Lower Upper

83 100

131 11.4 5.6 16.8

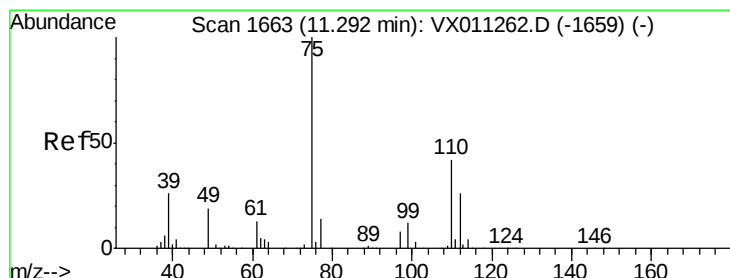
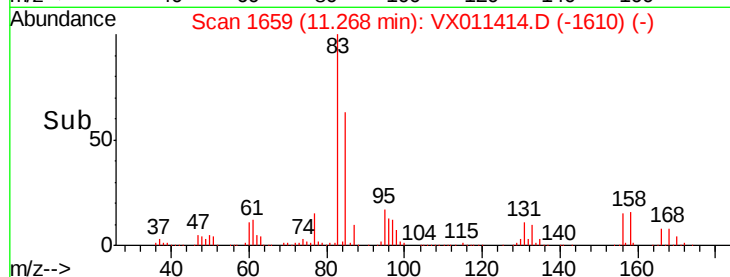
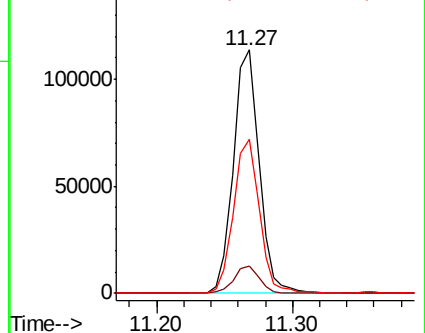
85 64.0 32.1 96.5



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: 69.692 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011414.D

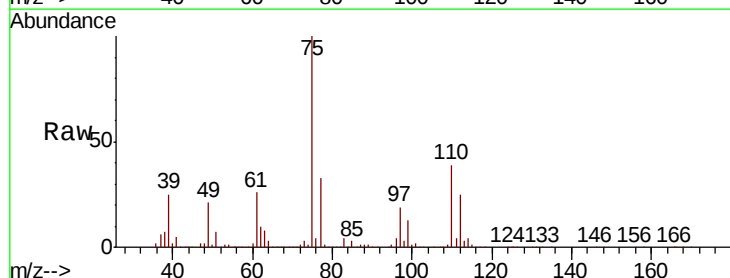
Acq: 09 Aug 2019 16:52

Tgt Ion: 75 Resp: 163741

Ion Ratio Lower Upper

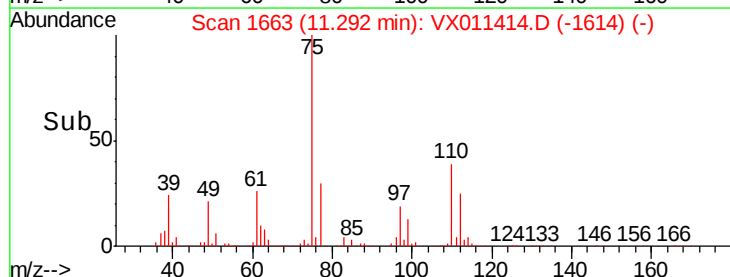
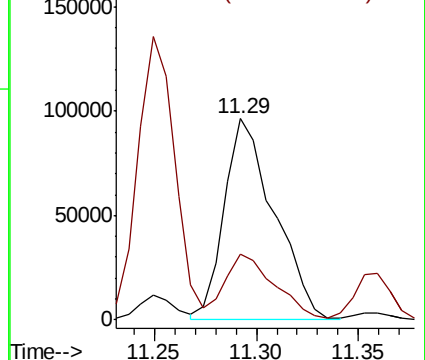
75 100

77 32.4 21.1 63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.439 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

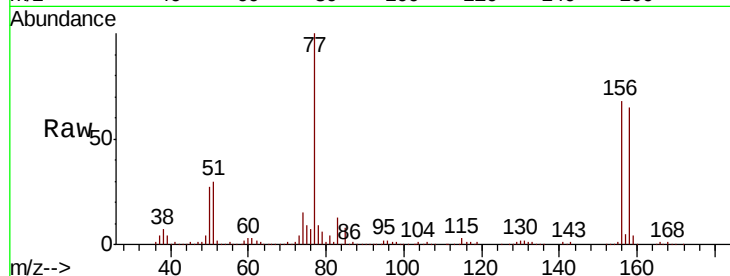
Tgt Ion:156 Resp: 120963

Ion Ratio Lower Upper

156 100

77 142.1 66.2 198.6

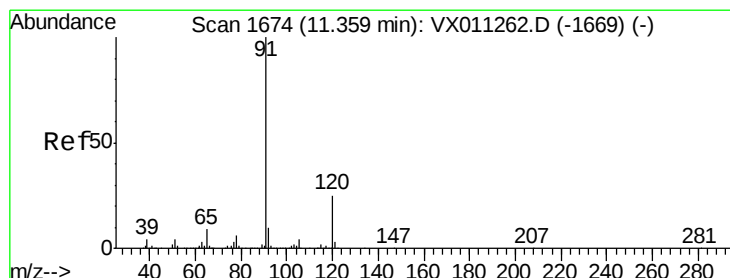
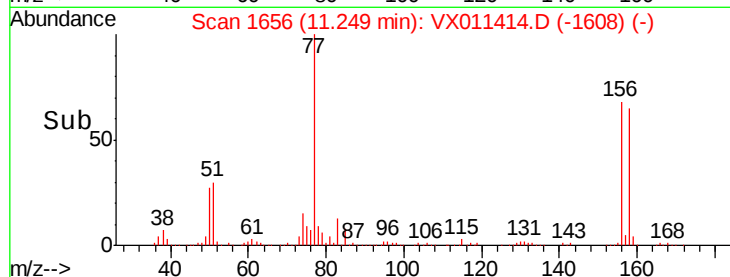
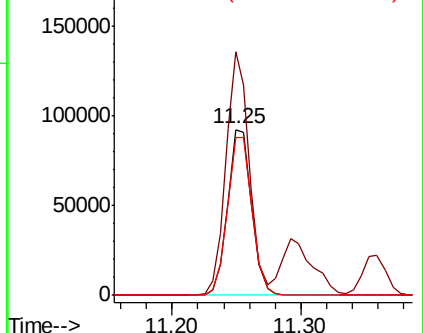
158 97.7 49.1 147.3



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: 72.839 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011414.D

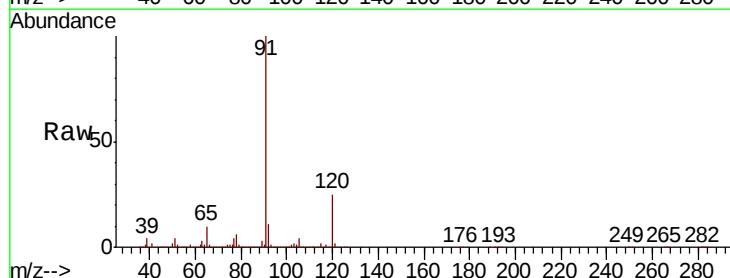
Acq: 09 Aug 2019 16:52

Tgt Ion: 91 Resp: 714725

Ion Ratio Lower Upper

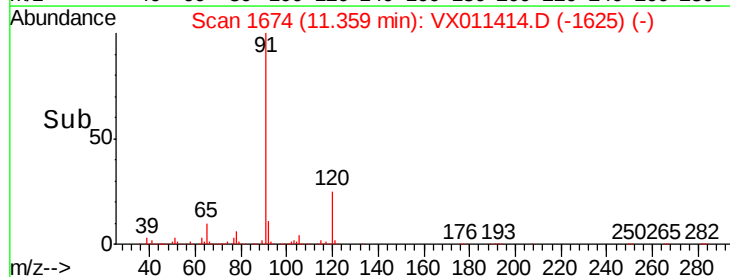
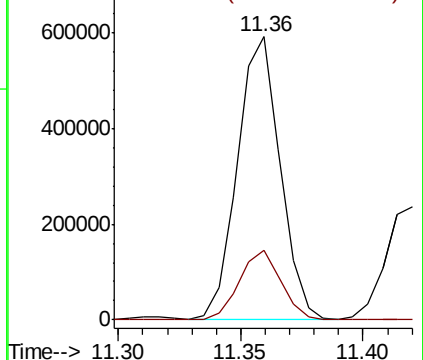
91 100

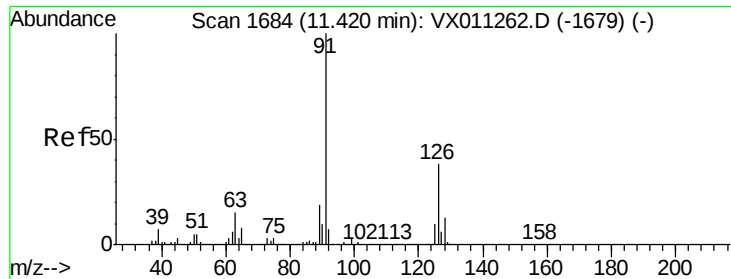
120 24.1 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.792 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

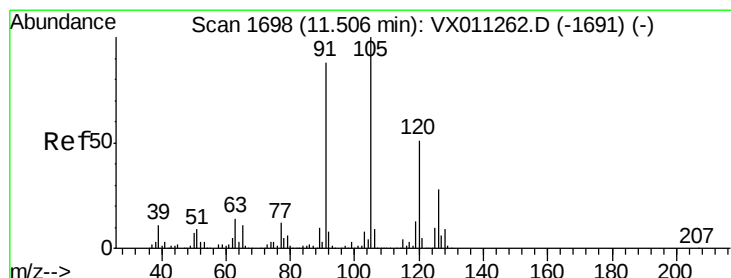
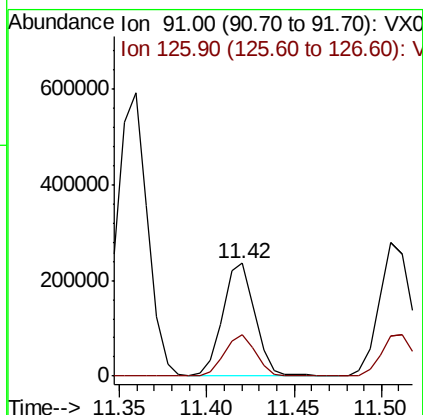
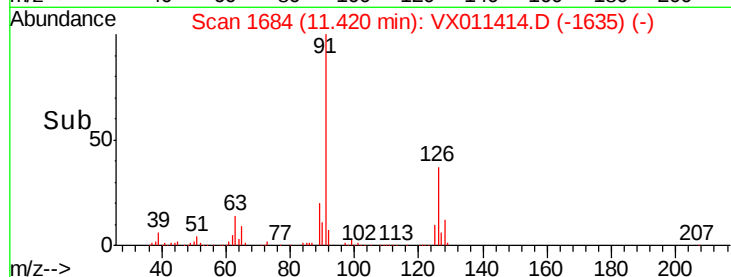
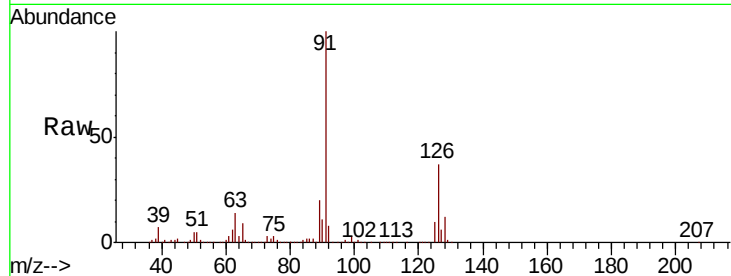
K4779-05MSD

Tgt Ion: 91 Resp: 302904

Ion Ratio Lower Upper

91 100

126 35.7 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 51.969 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011414.D

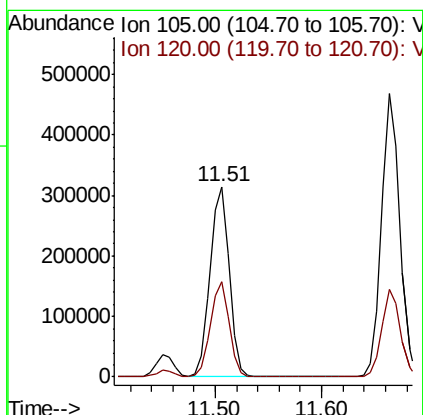
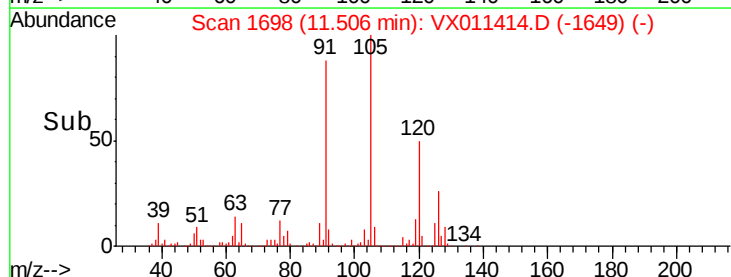
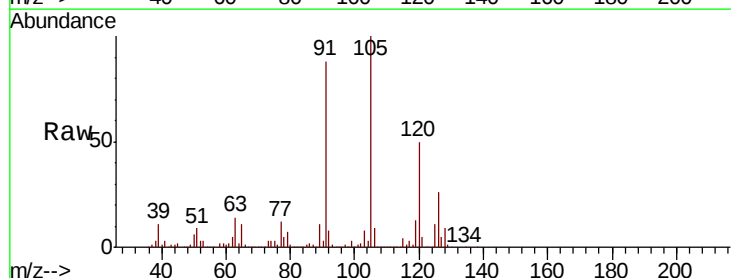
Acq: 09 Aug 2019 16:52

Tgt Ion: 105 Resp: 383859

Ion Ratio Lower Upper

105 100

120 48.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.229 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

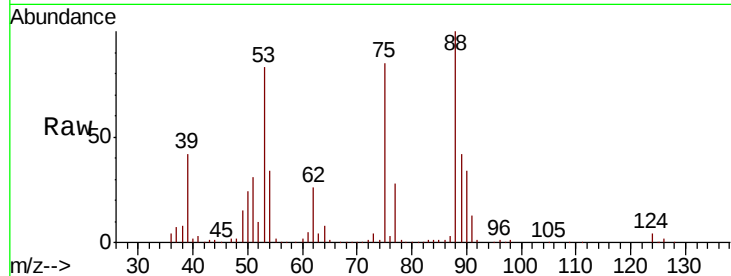
Tgt Ion: 75 Resp: 42280

Ion Ratio Lower Upper

75 100

53 101.0 78.2 117.4

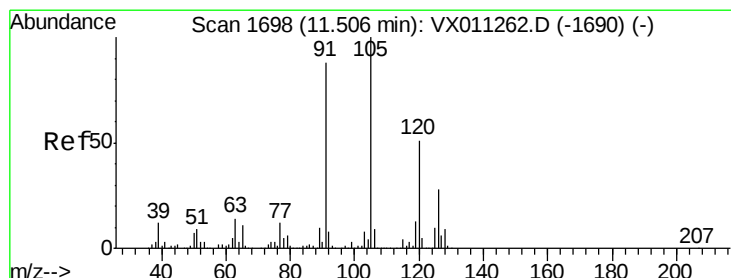
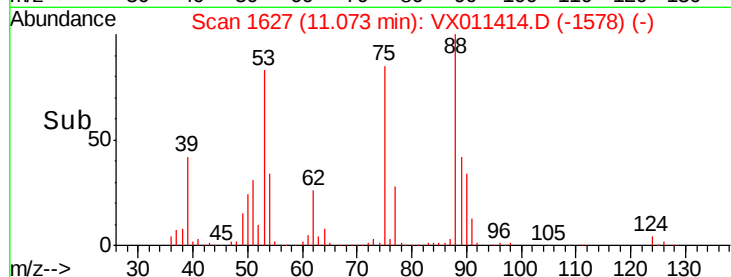
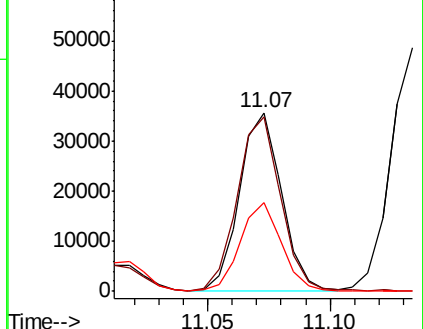
89 48.9 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 51.768 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011414.D

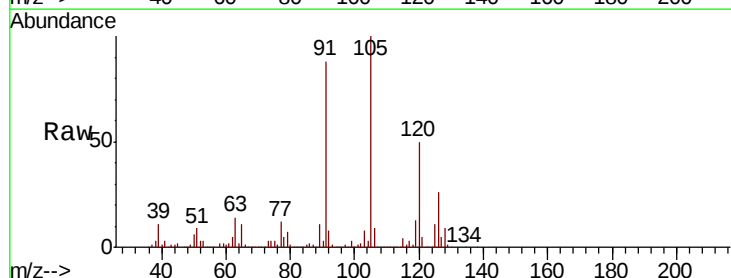
Acq: 09 Aug 2019 16:52

Tgt Ion: 91 Resp: 352849

Ion Ratio Lower Upper

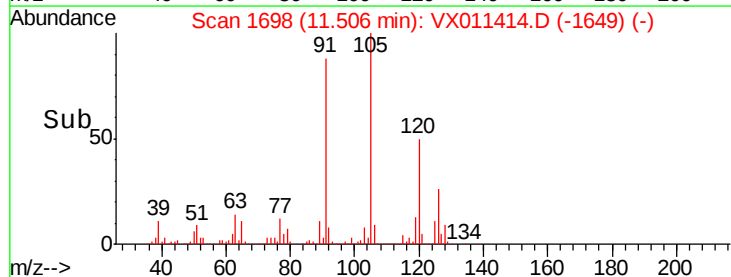
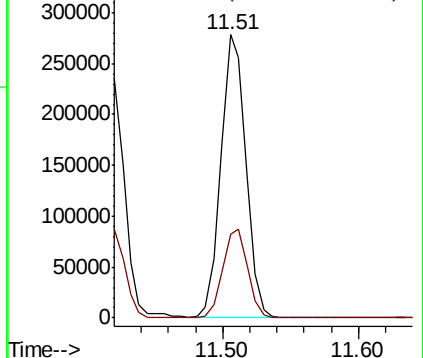
91 100

126 31.4 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

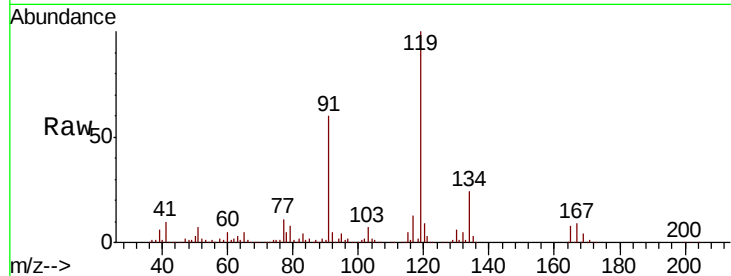




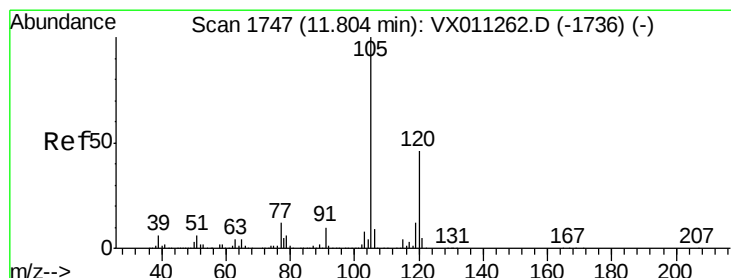
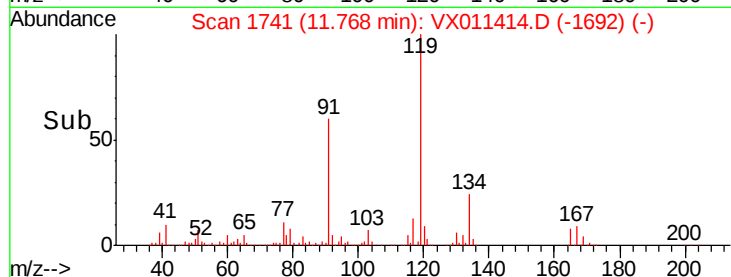
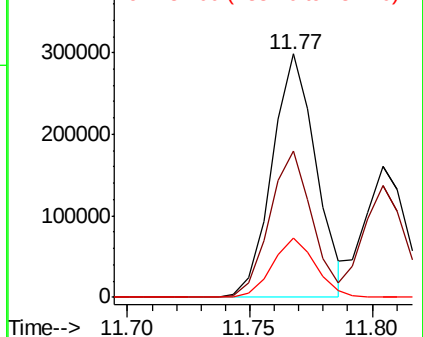
#83
 tert-Butylbenzene
 Concen: 51.764 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tgt Ion:119 Resp: 374991
 Ion Ratio Lower Upper
 119 100
 91 58.5 28.0 84.0
 134 23.9 11.9 35.5

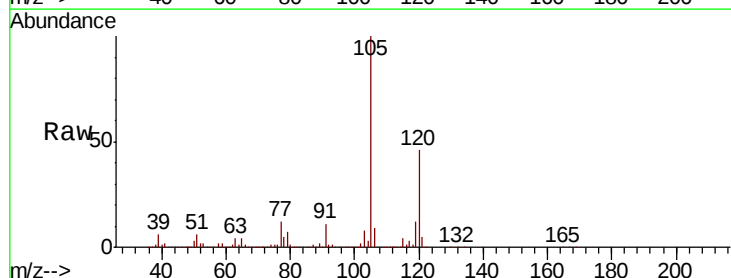


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

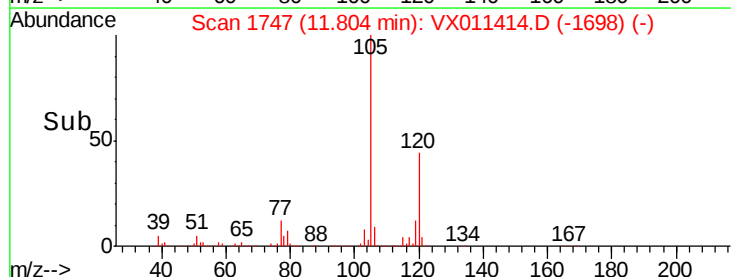
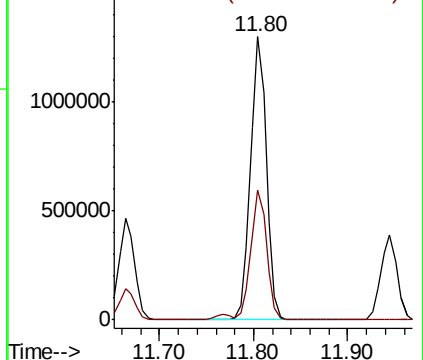


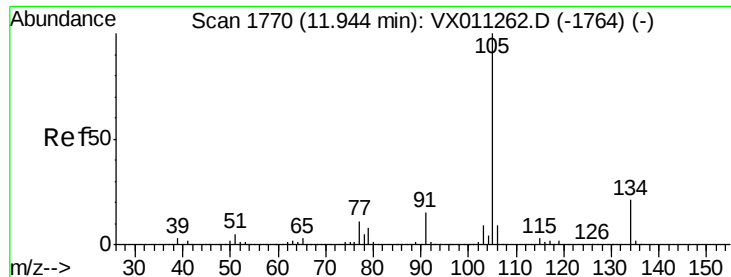
#84
 1,2,4-Trimethylbenzene
 Concen: 209.150 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion:105 Resp: 1538083
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.494 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

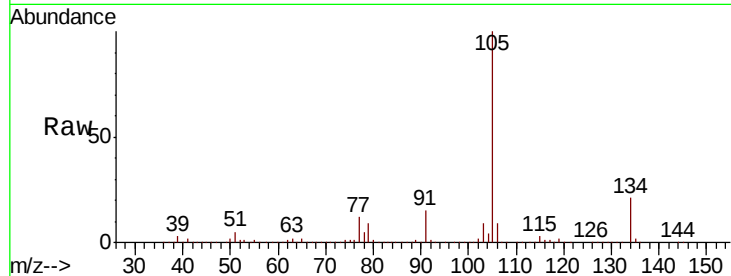
K4779-05MSD

Tgt Ion:105 Resp: 465597

Ion Ratio Lower Upper

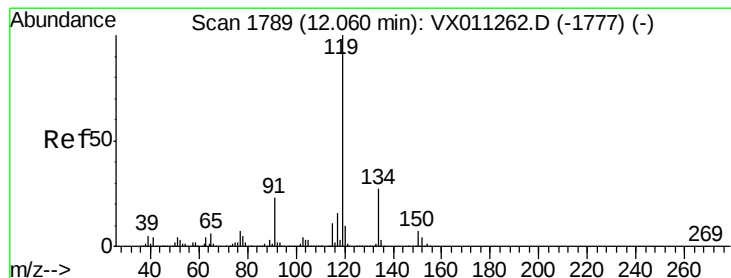
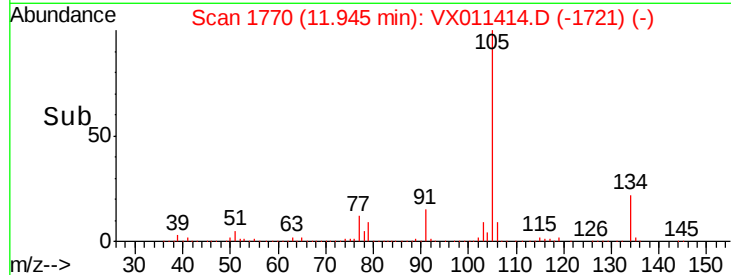
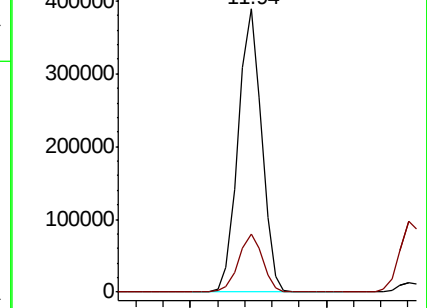
105 100

134 21.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.045 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

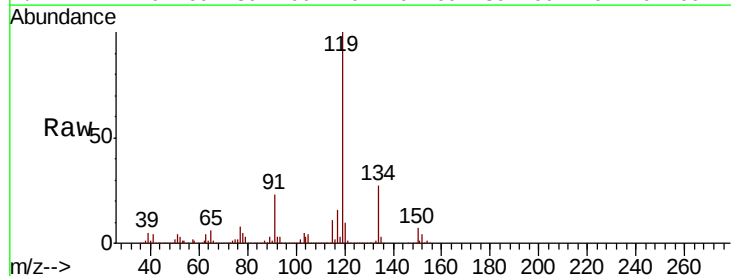
Tgt Ion:119 Resp: 424741

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

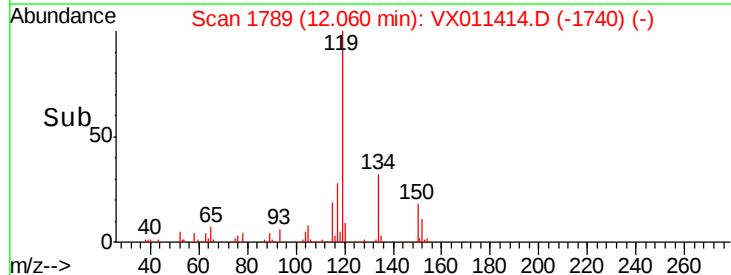
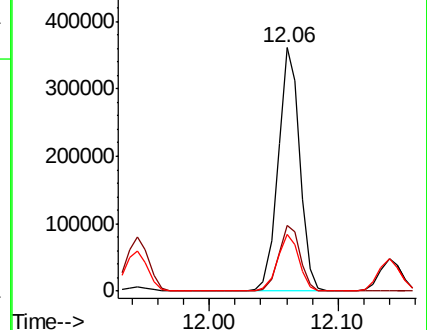
91 23.2 11.4 34.2

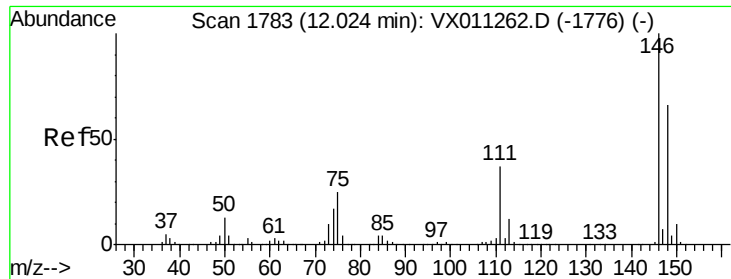


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

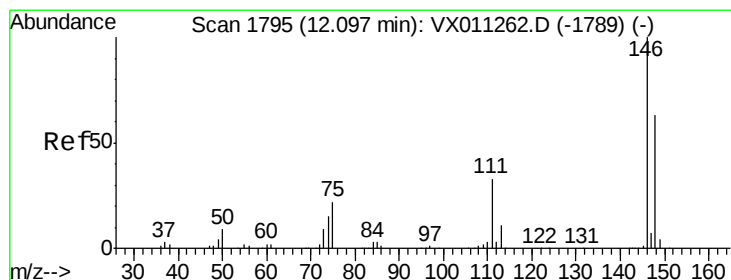
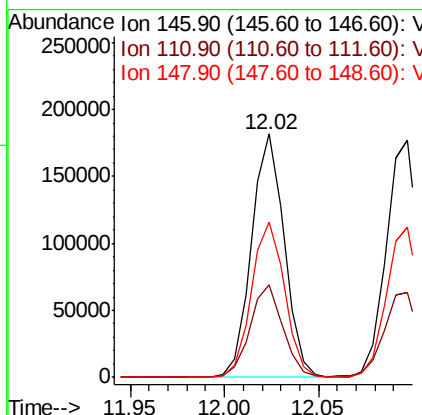
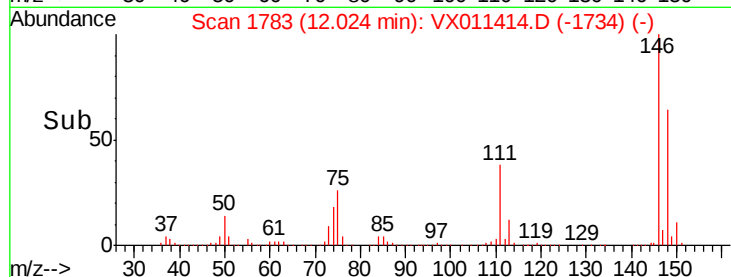
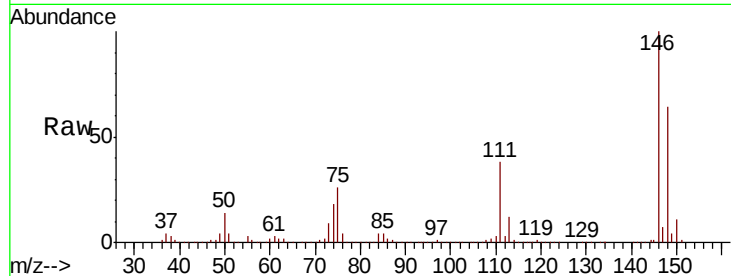




#87
 1,3-Dichlorobenzene
 Concen: 50.629 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

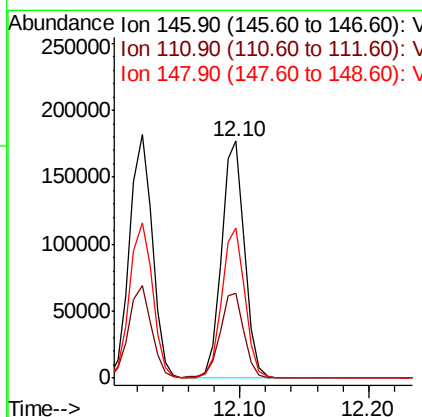
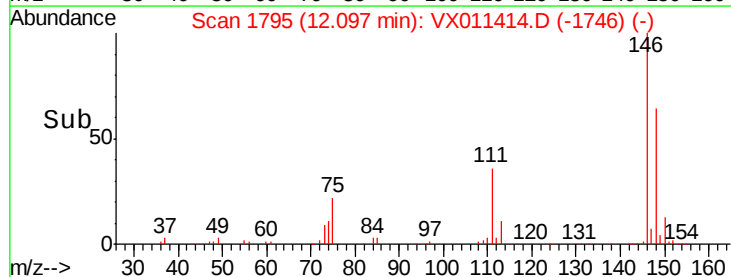
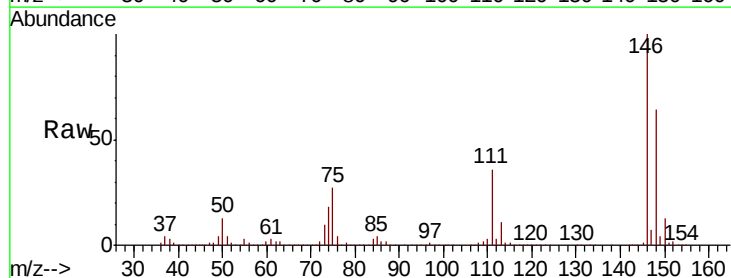
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tgt Ion:146 Resp: 218878
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 55.8
 148 64.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 49.886 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion:146 Resp: 222386
 Ion Ratio Lower Upper
 146 100
 111 37.6 17.8 53.4
 148 63.5 31.8 95.3

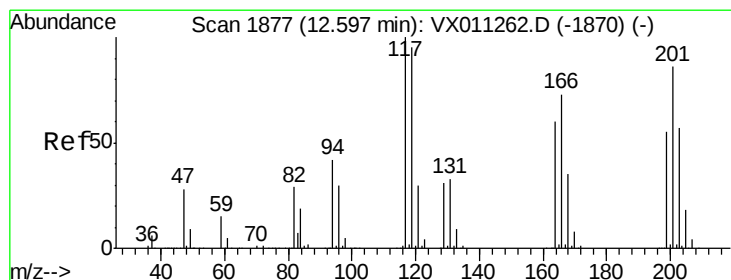
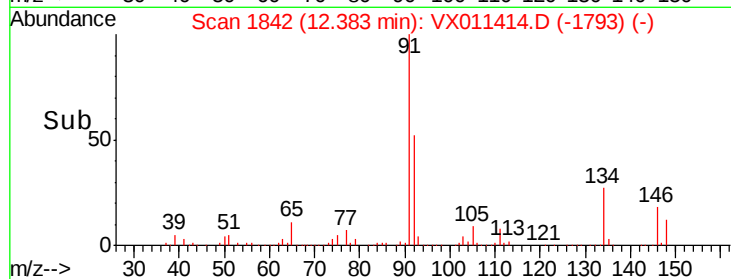
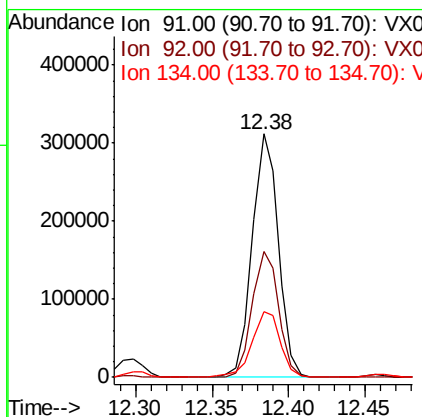
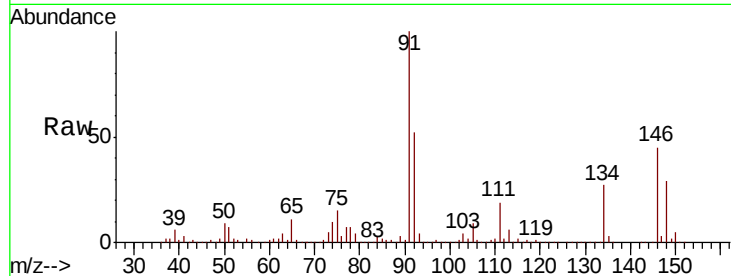




#89
n-Butylbenzene
Concen: 53.714 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

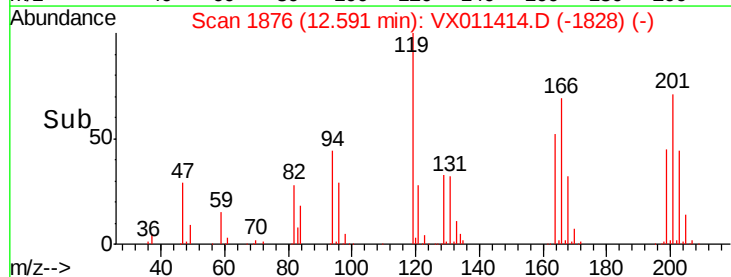
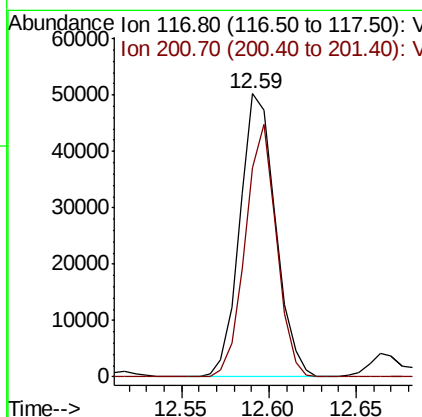
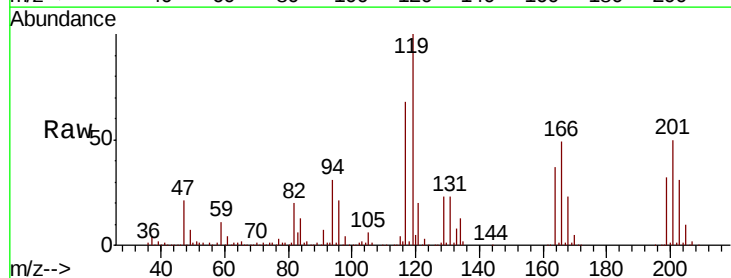
Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

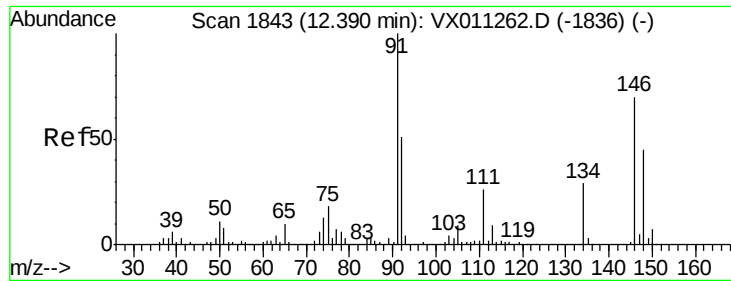
Tgt Ion: 91 Resp: 370540
Ion Ratio Lower Upper
91 100
92 52.4 25.8 77.3
134 29.6 13.7 41.0



#90
Hexachloroethane
Concen: 60.226 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 117 Resp: 71295
Ion Ratio Lower Upper
117 100
201 77.7 41.8 125.4

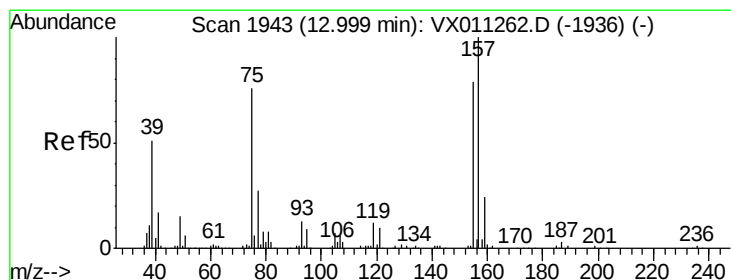
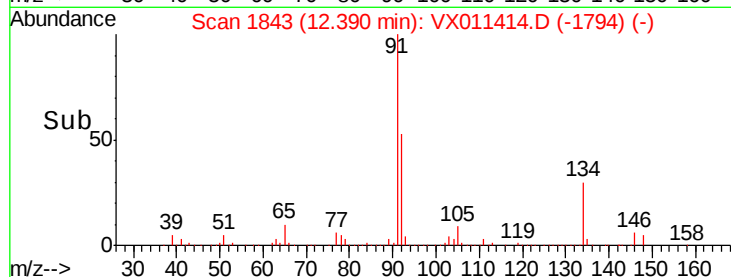
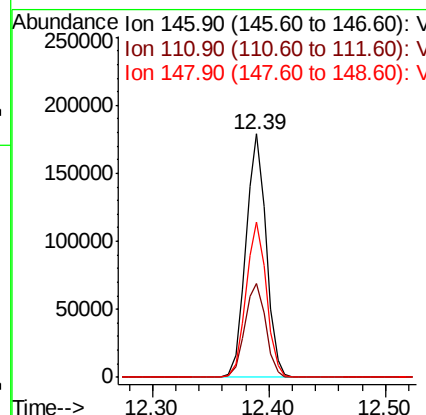
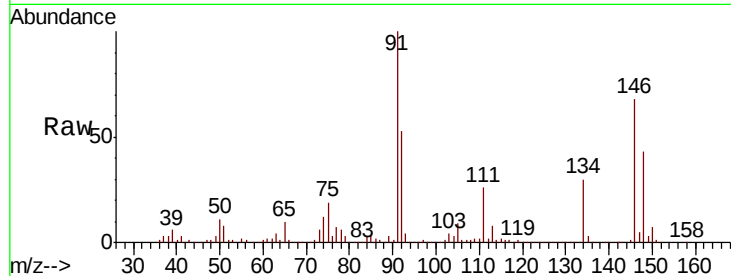




#91
 1,2-Dichlorobenzene
 Concen: 50.077 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

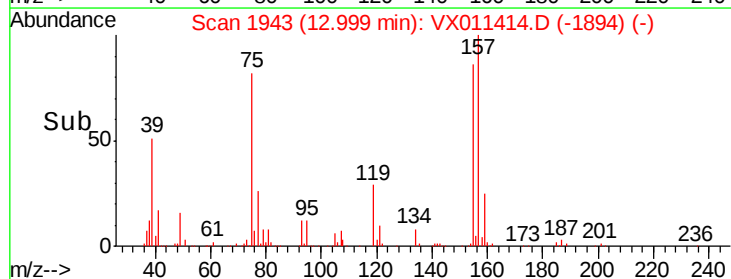
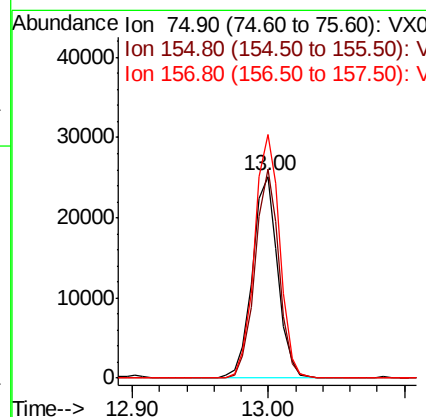
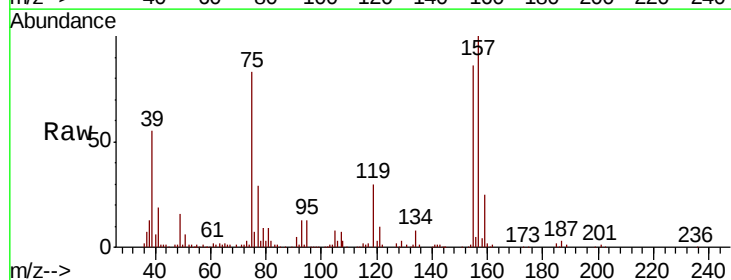
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

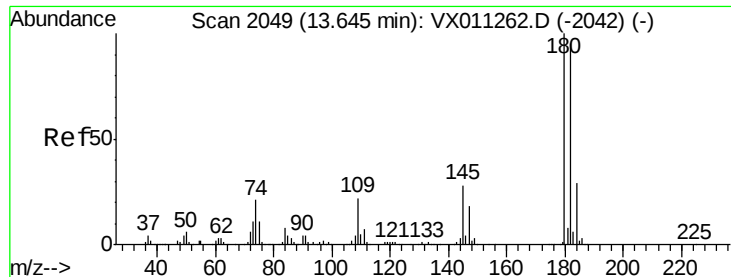
Tgt Ion: 146 Resp: 217525
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.1 57.1
 148 64.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.114 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 75 Resp: 33107
 Ion Ratio Lower Upper
 75 100
 155 97.3 51.9 155.8
 157 119.3 64.3 192.7

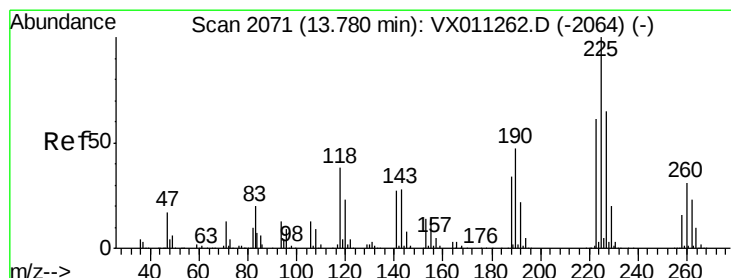
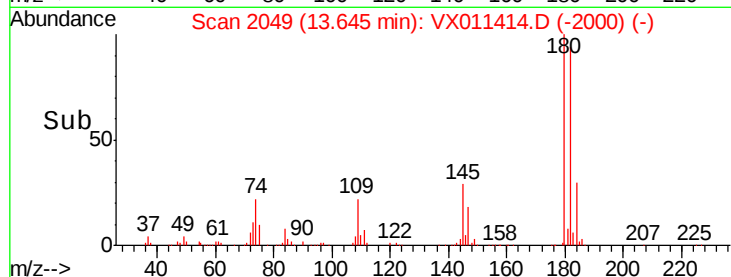
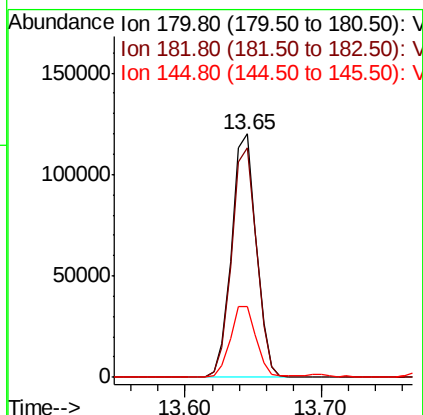
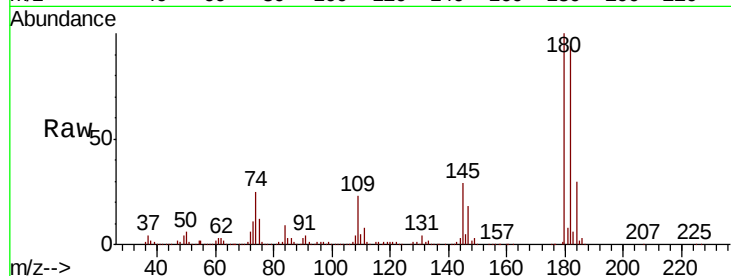




#93
 1,2,4-Trichlorobenzene
 Concen: 52.683 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

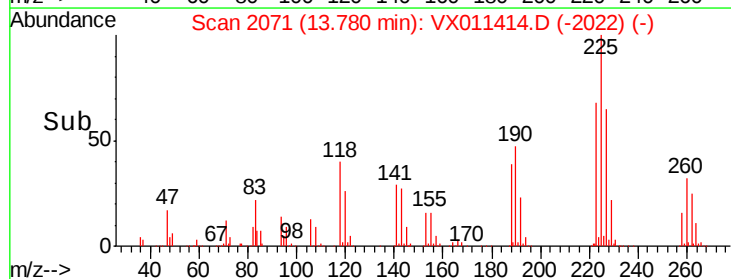
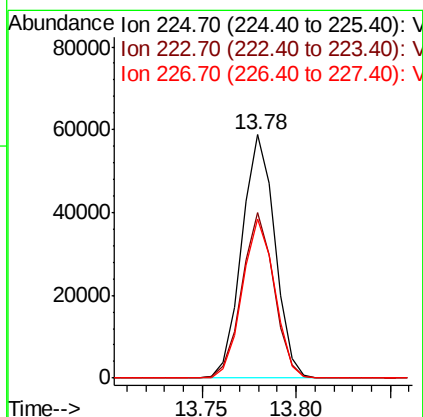
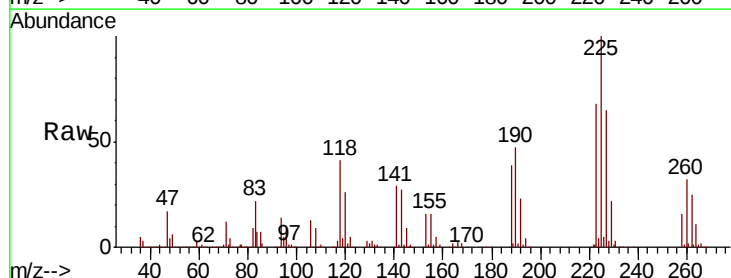
Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

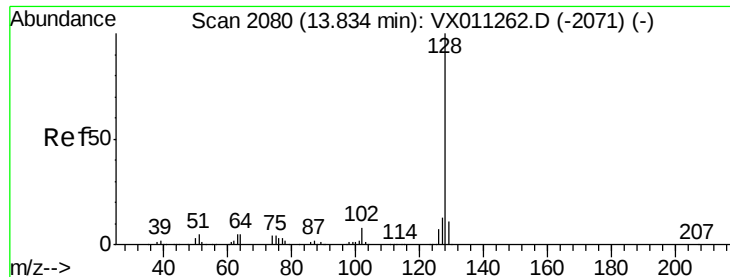
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	30.5	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 48.965 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.0	93.0
227	63.9	32.2	96.6





#95

Naphthalene

Concen: 121.804 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

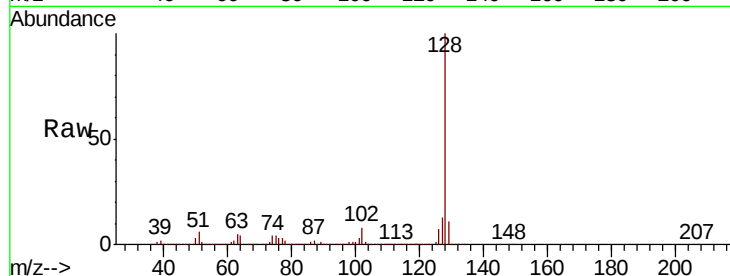
Tgt Ion:128 Resp: 1026118

Ion Ratio Lower Upper

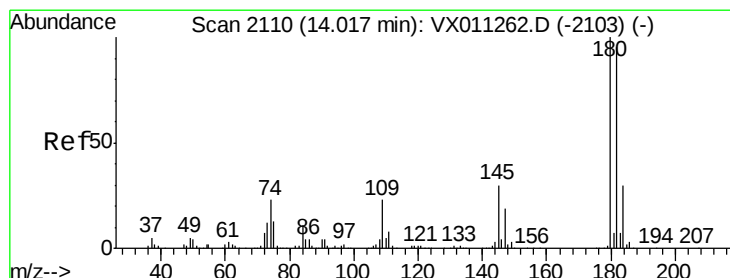
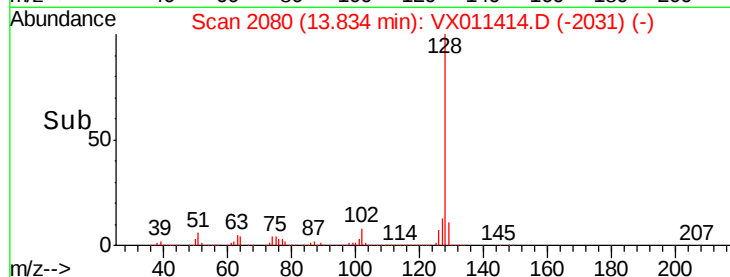
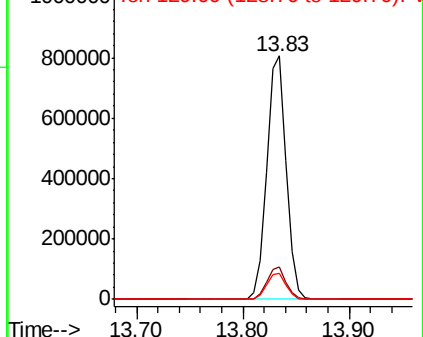
128 100

127 13.1 10.4 15.6

129 10.9 8.9 13.3



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: 52.134 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

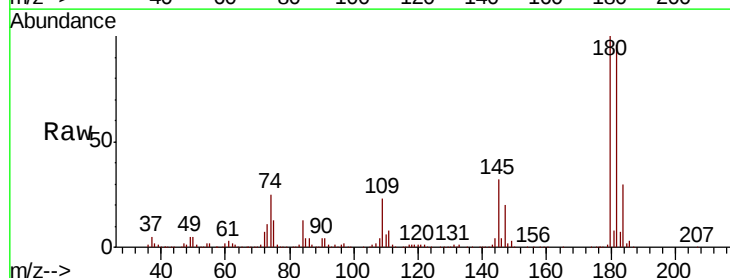
Tgt Ion:180 Resp: 152681

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.3

145 32.6 15.2 45.6



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

