

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019314.D
 Acq On : 05 Nov 2020 15:18
 Operator : JC/MD
 Sample : PB132824ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

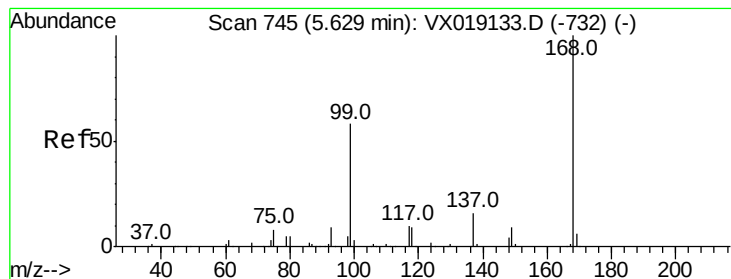
Quant Time: Nov 06 01:08:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	268836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	485159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	457565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220831	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	194405	56.07	ug/l	0.00
Spiked Amount			Recovery	=	112.14%	
35) Dibromofluoromethane	5.46	113	153586	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	8.70	98	598687	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.12	95	224207	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	1439	2.101	ug/l #	72
13) Acrolein	2.27	56	66	5.859	ug/l #	1
16) Acetone	2.42	43	15354	12.837	ug/l	97
17) Carbon Disulfide	2.55	76	308	0.801	ug/l #	75
18) Methyl Acetate	2.75	43	2987	1.027	ug/l	91
20) Methylene Chloride	2.84	84	7208	2.400	ug/l	90
25) 2-Butanone	4.64	43	2762	1.465	ug/l #	85
29) Tetrahydrofuran	5.10	42	1796	1.512	ug/l #	83
31) Cyclohexane	5.63	56	5971	1.362	ug/l #	16
36) 1,1-Dichloropropene	5.63	75	22145	4.943	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28516	6.245	ug/l #	17
43) Isopropyl Acetate	6.41	43	78154	11.221	ug/l	98
48) Methyl methacrylate	7.85	41	125458	37.424	ug/l #	37
49) 1,4-Dioxane	7.85	88	209	2.803	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	77920	19.465	ug/l #	42
54) cis-1,3-Dichloropropene	8.59	75	37639	6.911	ug/l #	62
56) Ethyl methacrylate	9.29	69	1255	0.257	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	6418	1.178	ug/l #	42
59) 2-Hexanone	9.42	43	73530	24.130	ug/l #	20
74) N-amyl acetate	10.81	43	3445	0.603	ug/l #	43
76) 1,2,3-Trichloropropane	11.12	75	117098	25.681	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	5223	0.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	117098	67.618	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

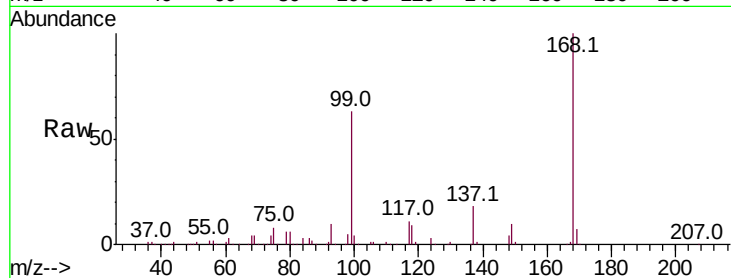
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 268836

Ion Ratio Lower Upper

168 100

99 63.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

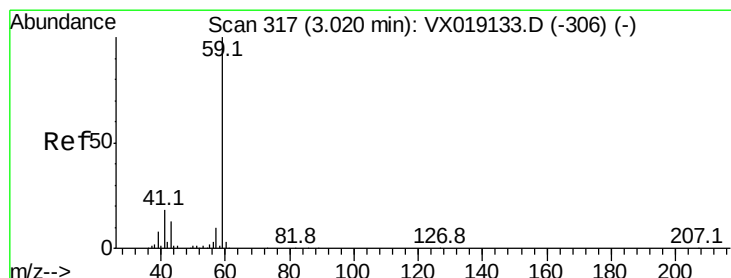
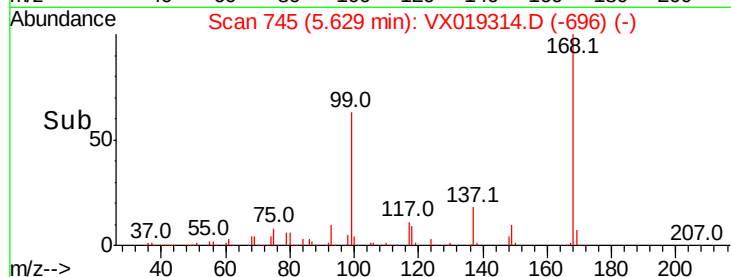
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.101 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019314.D

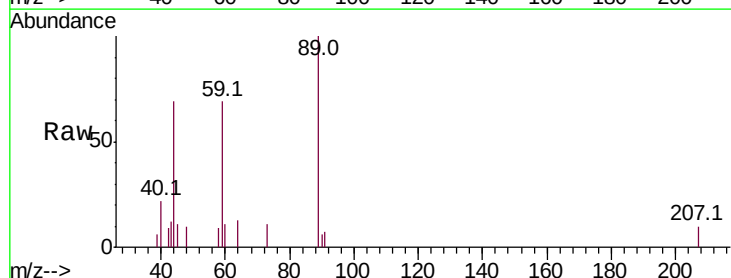
Acq: 05 Nov 2020 15:18

Tgt Ion: 59 Resp: 1439

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

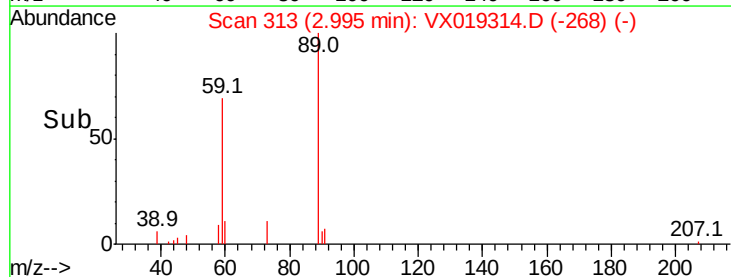
600

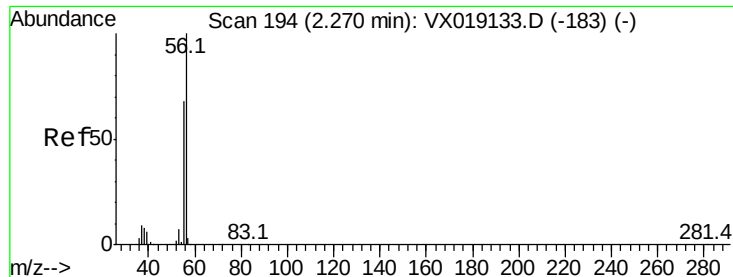
400

200

0

Time-->





#13

Acrolein

Concen: 5.859 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Instrument :

MSVOA_X

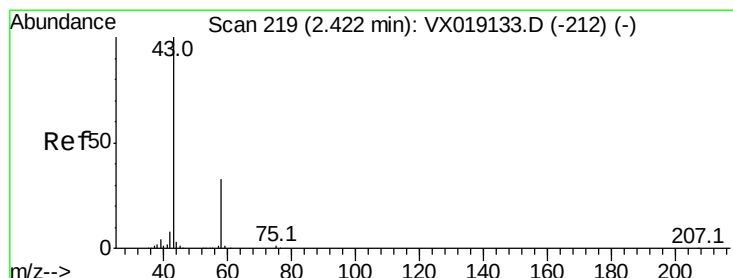
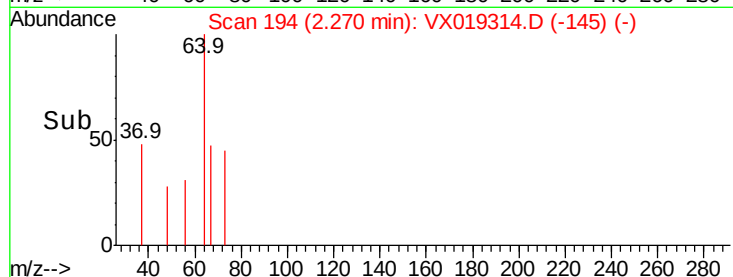
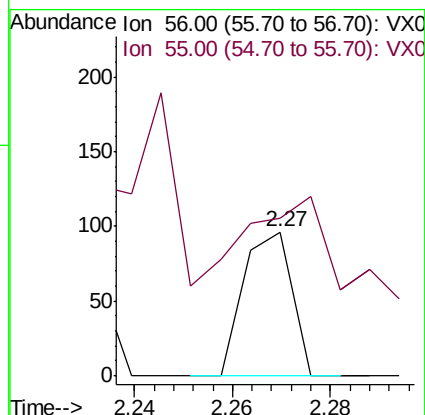
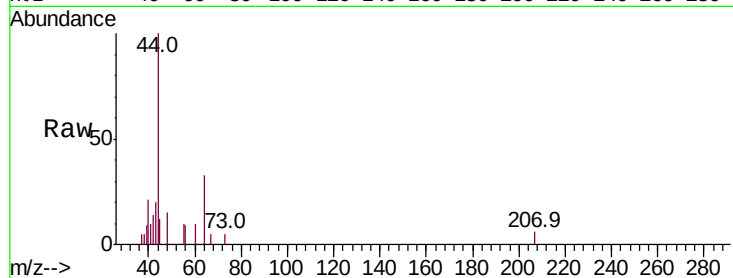
ClientSampleId :

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 312.1 54.7 82.1#



#16

Acetone

Concen: 12.837 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019314.D

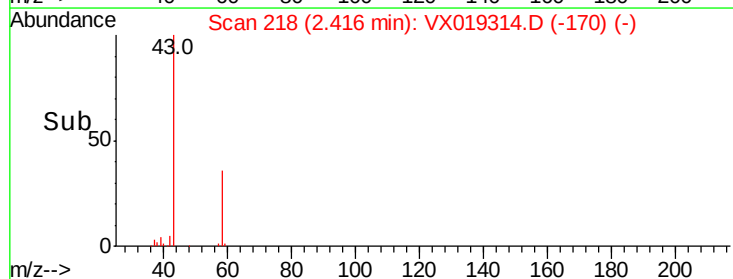
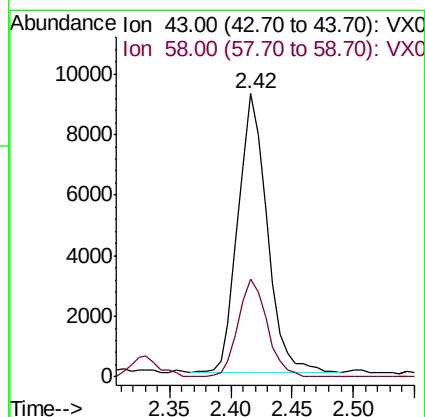
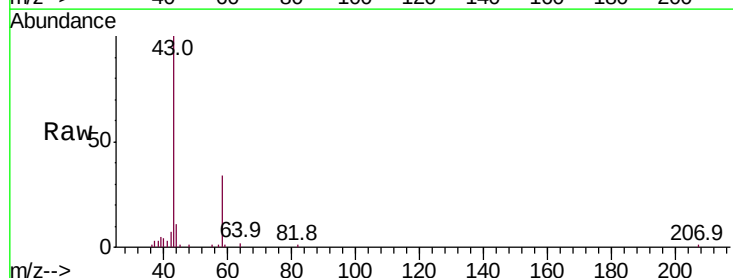
Acq: 05 Nov 2020 15:18

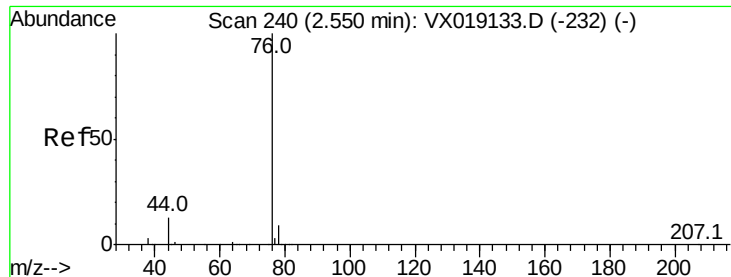
Tgt Ion: 43 Resp: 15354

Ion Ratio Lower Upper

43 100

58 34.8 26.3 39.5





#17

Carbon Disulfide

Concen: 0.801 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Instrument :

MSVOA_X

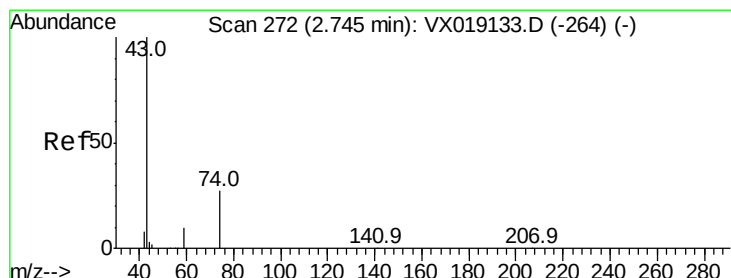
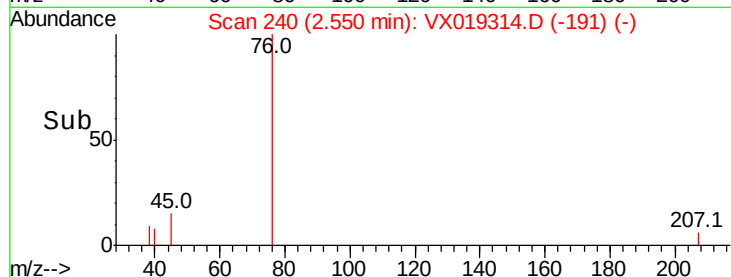
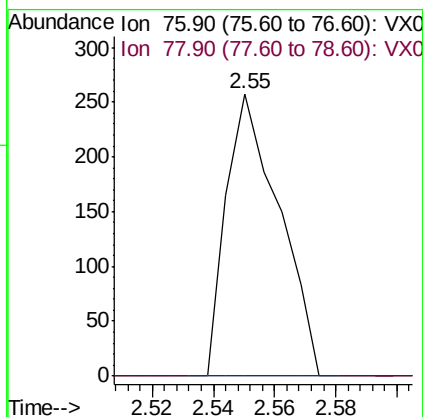
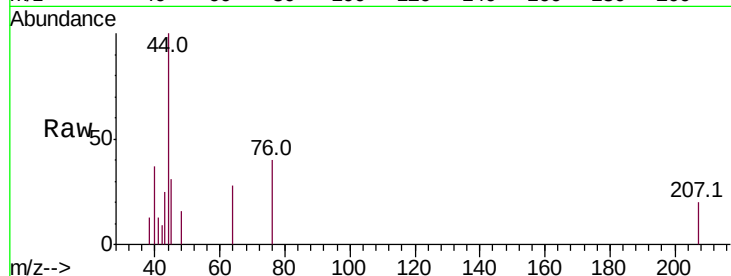
ClientSampleId :

Tot Ion: 76 Resp: 308

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#18

Methyl Acetate

Concen: 1.027 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019314.D

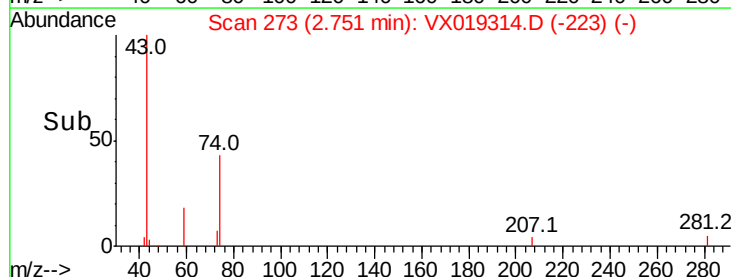
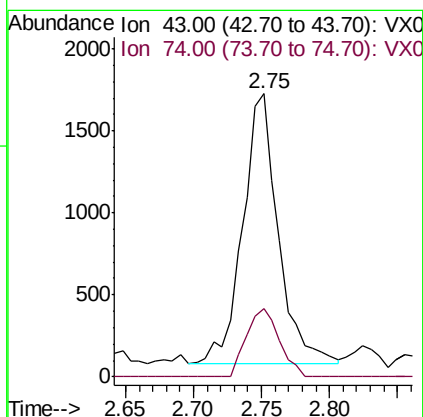
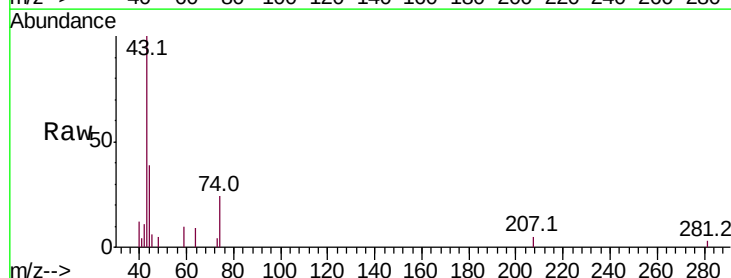
Acq: 05 Nov 2020 15:18

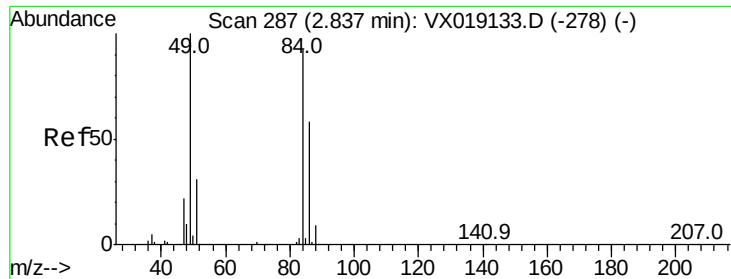
Tgt Ion: 43 Resp: 2987

Ion Ratio Lower Upper

43 100

74 23.6 22.6 33.8

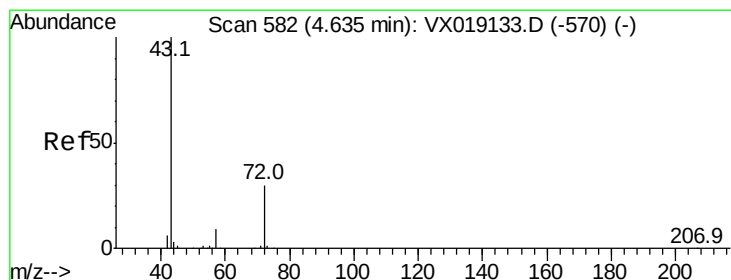
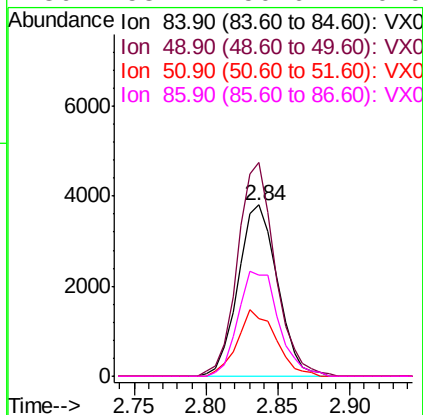
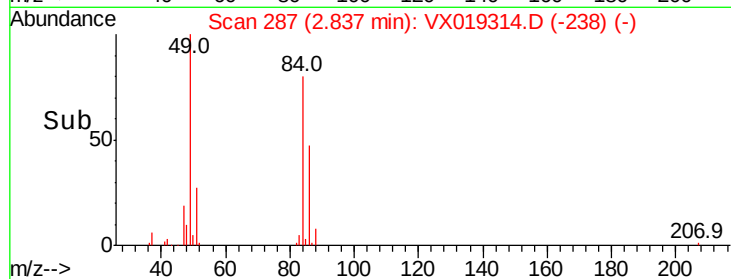
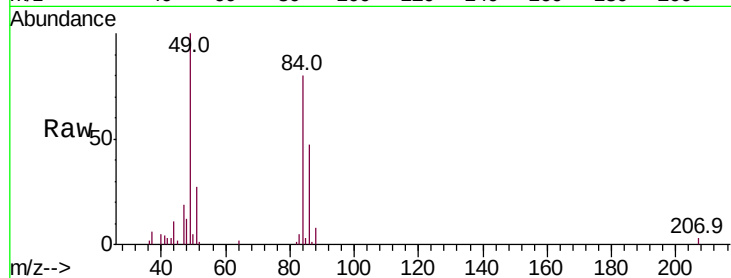




#20
Methvlene Chloride
Concen: 2.400 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

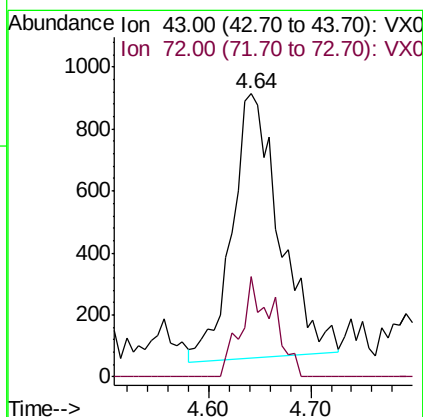
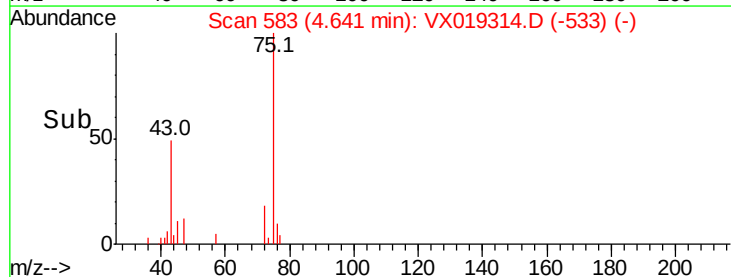
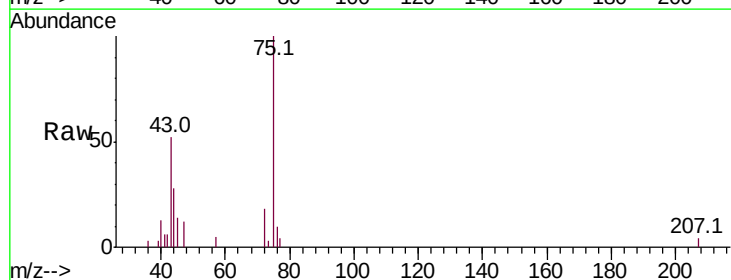
Instrument :
MSVOA_X
ClientSampleId :

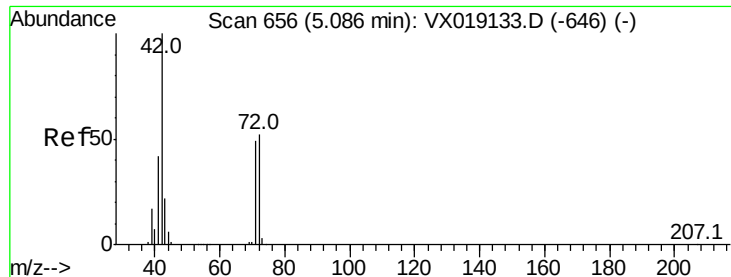
Tot Ion:	84	Resp:	7208
Ion	Ratio	Lower	Upper
84	100		
49	124.7	86.8	130.2
51	33.9	27.3	40.9
86	58.7	50.6	76.0



#25
2-Butanone
Concen: 1.465 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

Tgt Ion:	43	Resp:	2762
Ion	Ratio	Lower	Upper
43	100		
72	39.1	24.6	36.8#





#29

Tetrahydrofuran

Concen: 1.512 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Instrument :

MSVOA_X

ClientSampled :

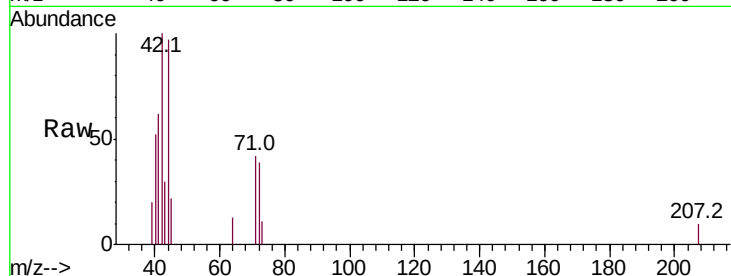
Tot Ion: 42 Resp: 1796

Ion Ratio Lower Upper

42 100

72 42.9 42.6 63.8

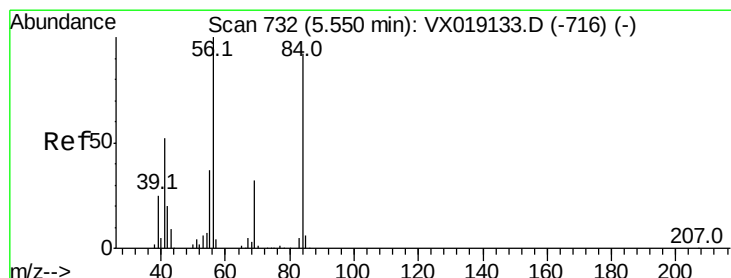
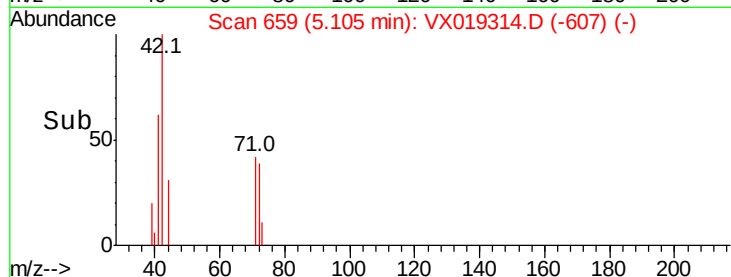
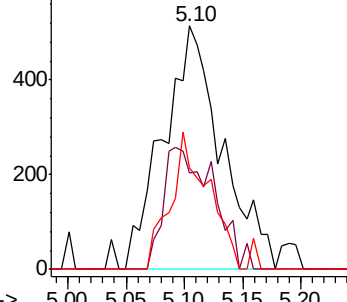
71 36.6 39.7 59.5#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.362 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

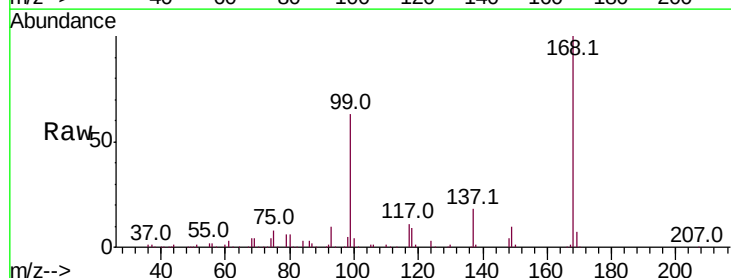
Tgt Ion: 56 Resp: 5971

Ion Ratio Lower Upper

56 100

69 166.9 25.9 38.9#

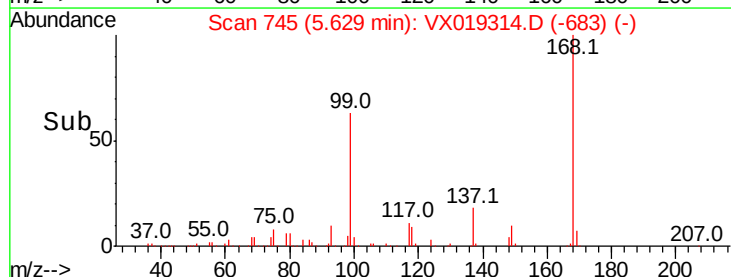
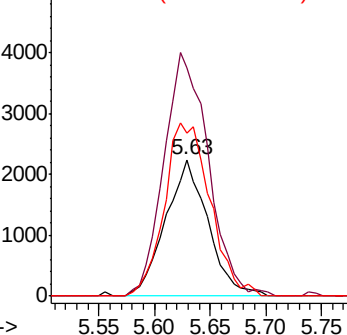
84 119.2 73.4 110.2#

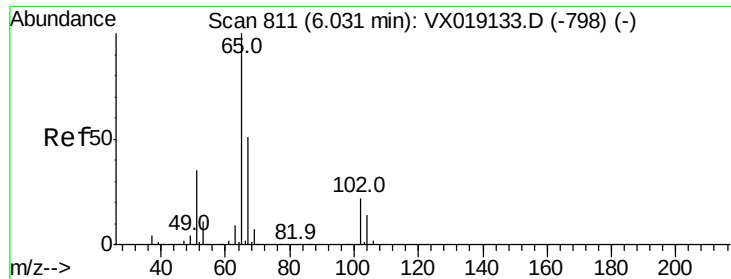


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.073 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

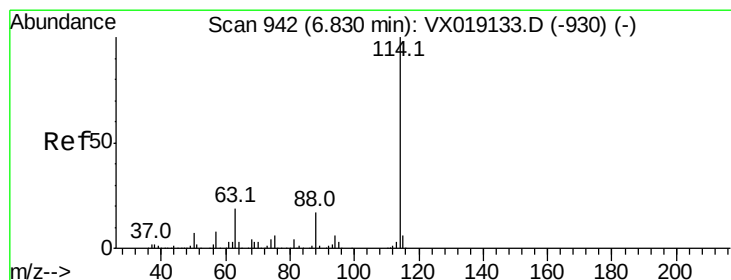
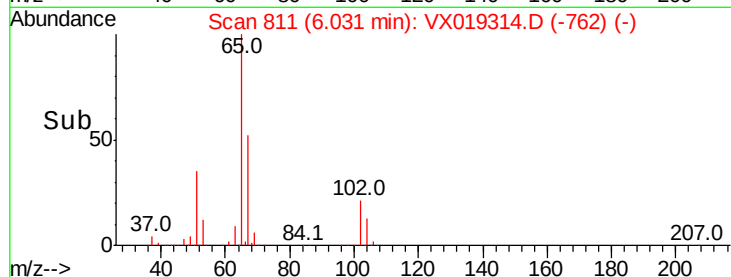
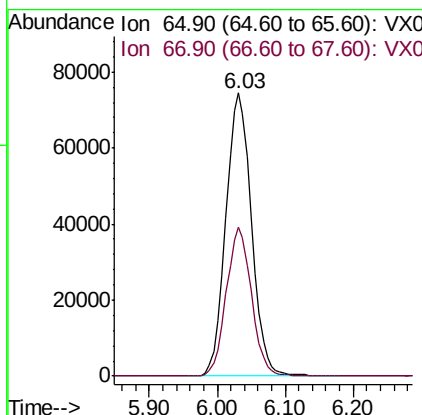
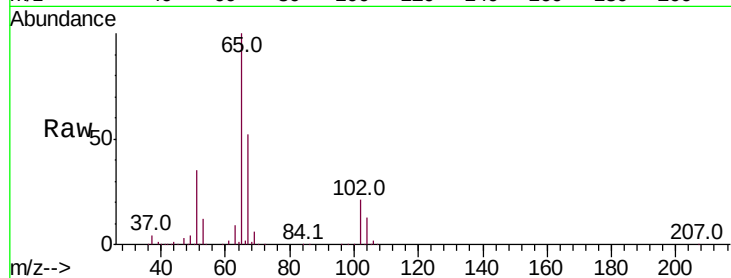
Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 194405

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

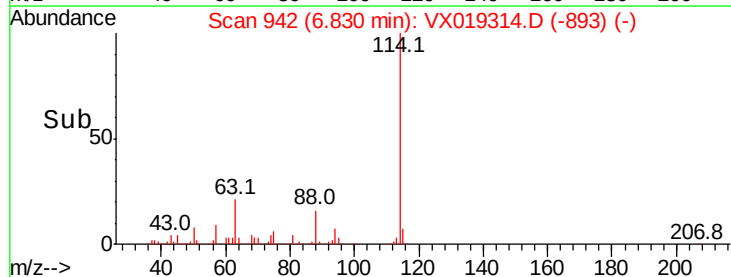
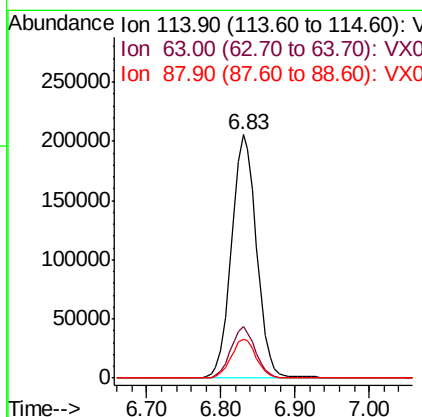
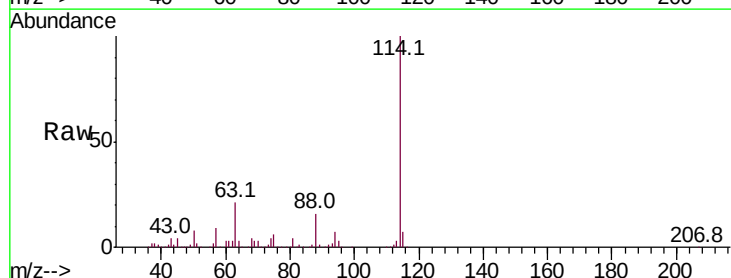
Delta R.T. -0.00 min

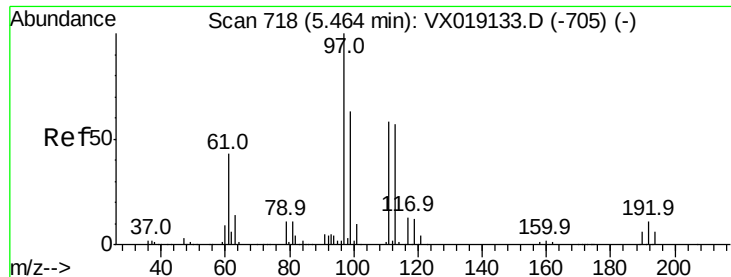
Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Tgt Ion: 114 Resp: 485159

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	38.8
88	16.1	0.0	34.2

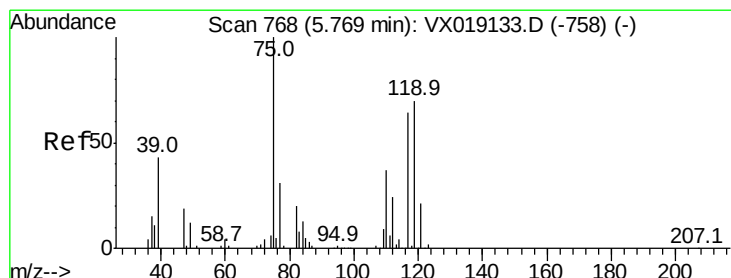
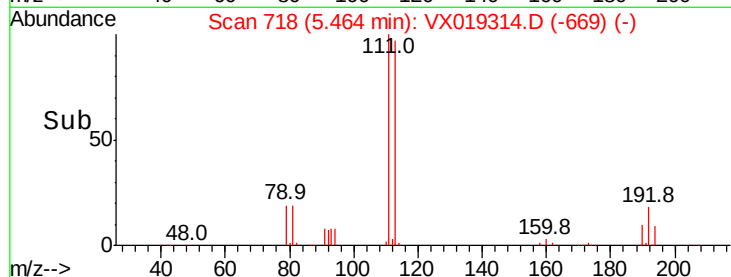
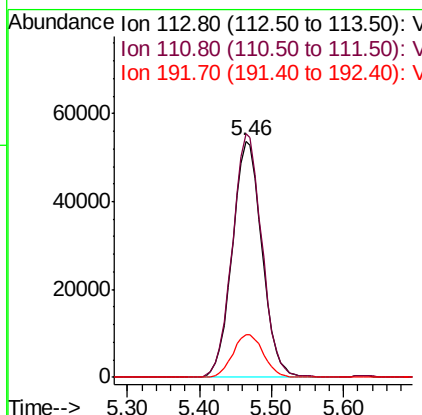
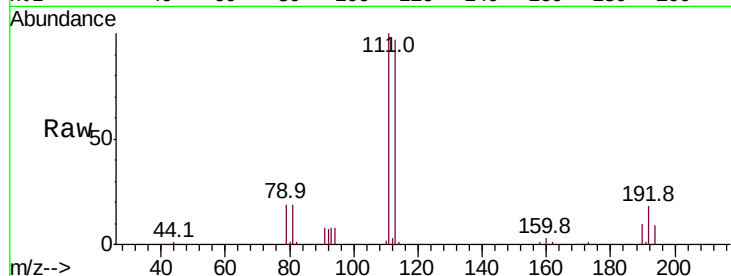




#35
 Dibromofluoromethane
 Concen: 50.398 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019314.D
 Acq: 05 Nov 2020 15:18

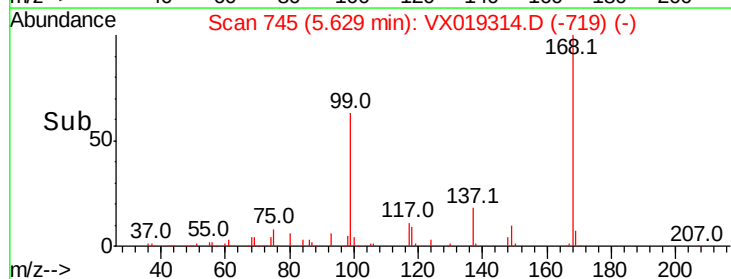
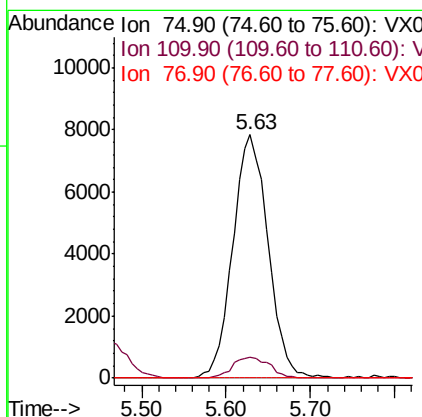
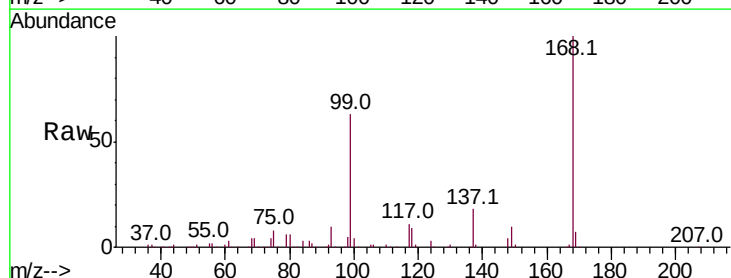
Instrument :
 MSVOA_X
 ClientSampleId :

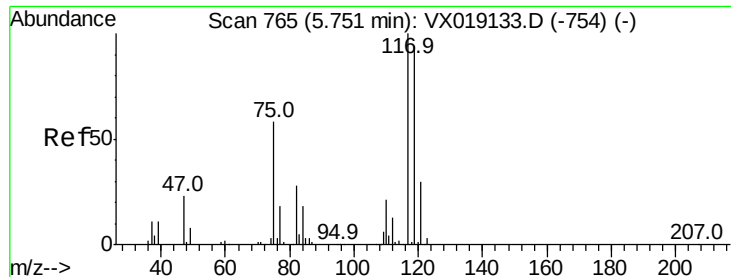
Tot Ion:113 Resp: 153586
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 18.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019314.D
 Acq: 05 Nov 2020 15:18

Tgt Ion: 75 Resp: 22145
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.245 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Instrument :

MSVOA_X

ClientSampled :

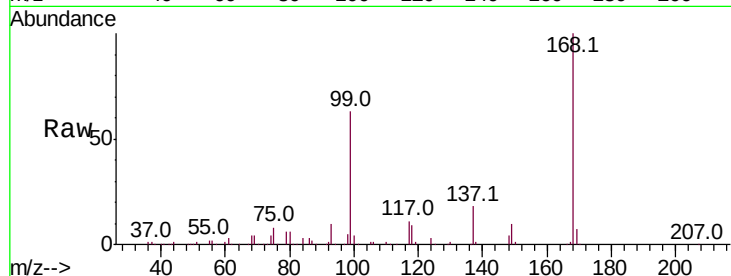
Tot Ion:117 Resp: 28516

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

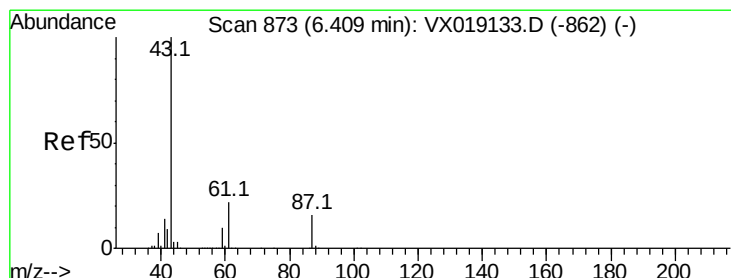
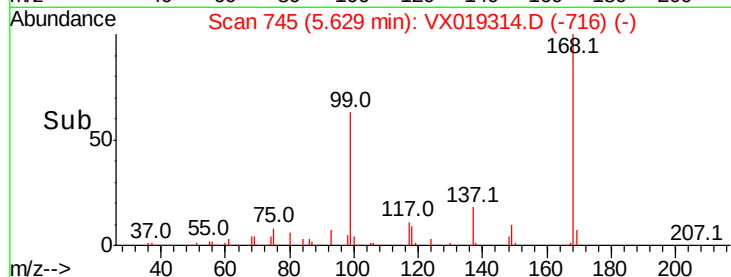
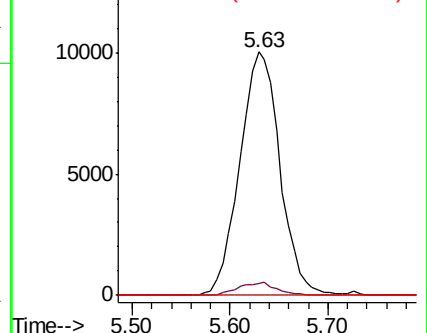
121 0.0 23.9 35.9#



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



#43

Isopropyl Acetate

Concen: 11.221 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

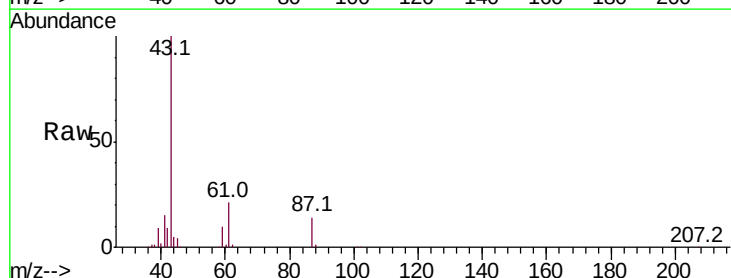
Tgt Ion: 43 Resp: 78154

Ion Ratio Lower Upper

43 100

61 21.5 17.8 26.6

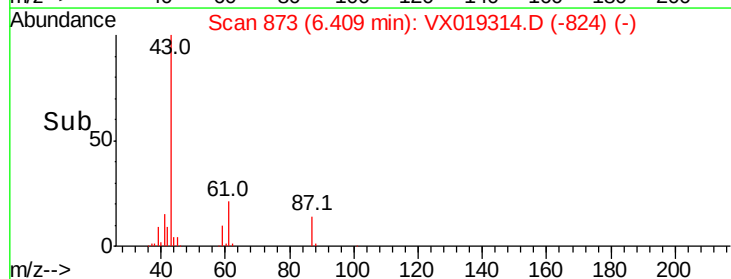
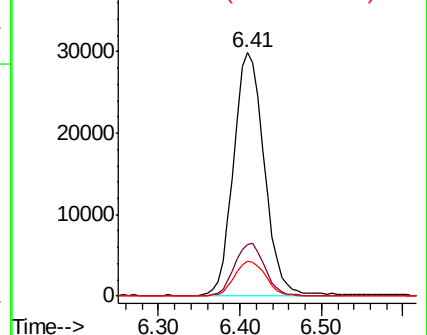
87 14.7 12.6 19.0

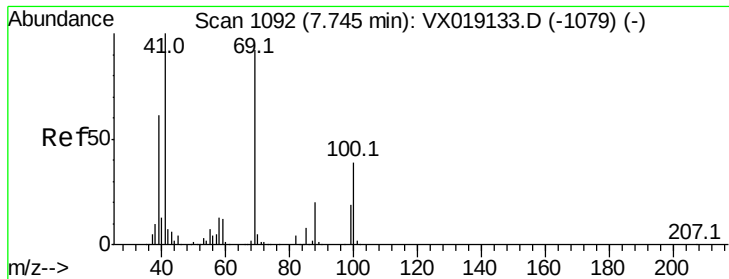


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

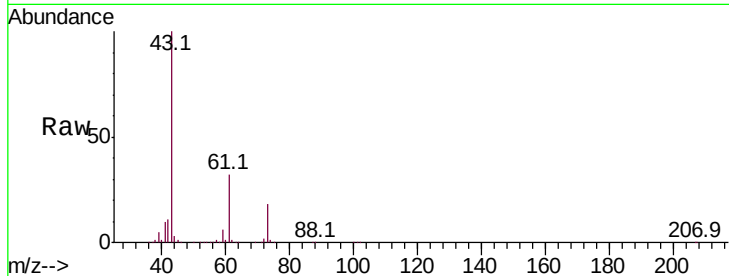




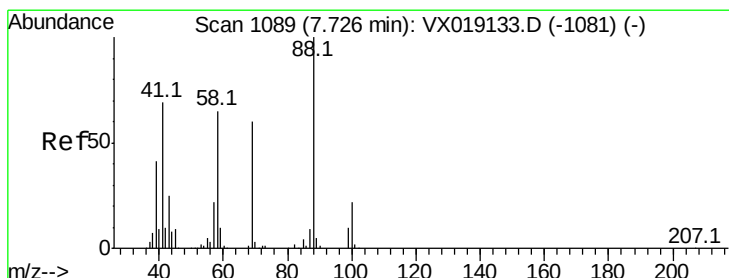
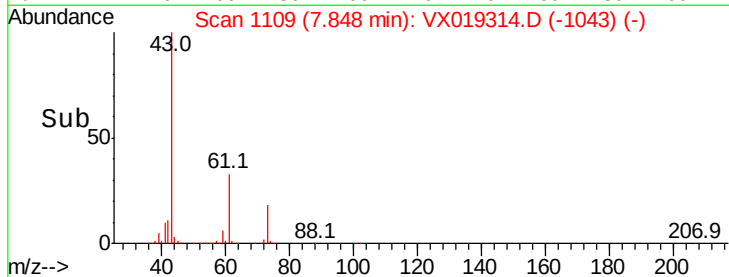
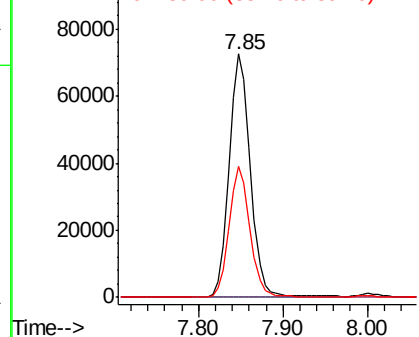
#48
Methyl methacrylate
Concen: 37.424 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 125458
Ion Ratio Lower Upper
41 100
69 0.2 75.5 113.3#
39 53.4 48.9 73.3

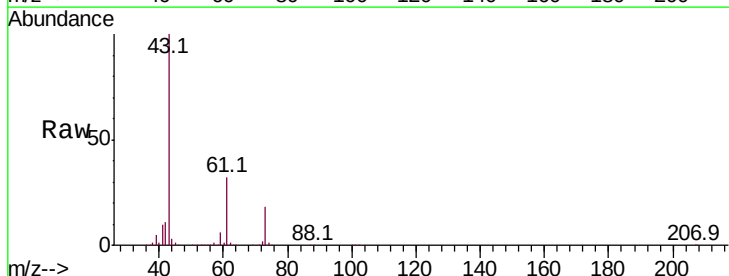


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

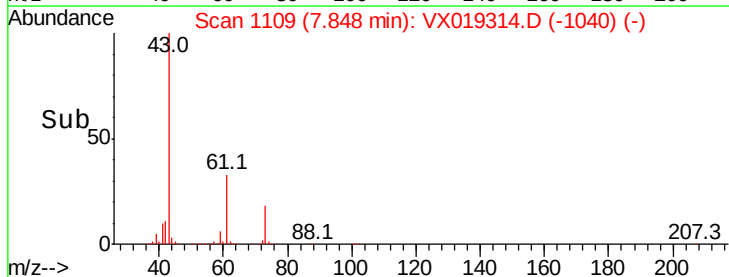
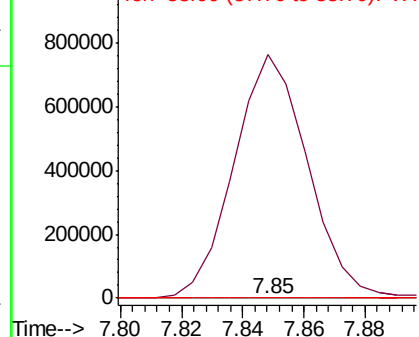


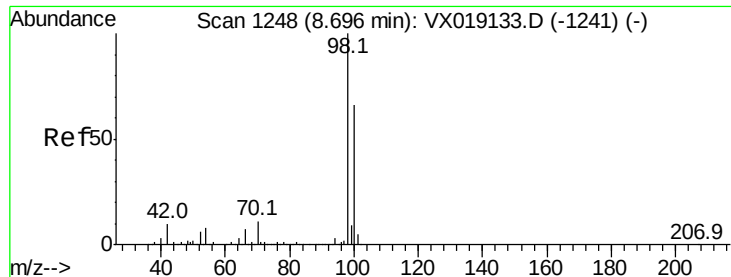
#49
1,4-Dioxane
Concen: 2.803 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.12 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 616521.5 23.0 34.6#
58 2995.2 52.2 78.2#



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

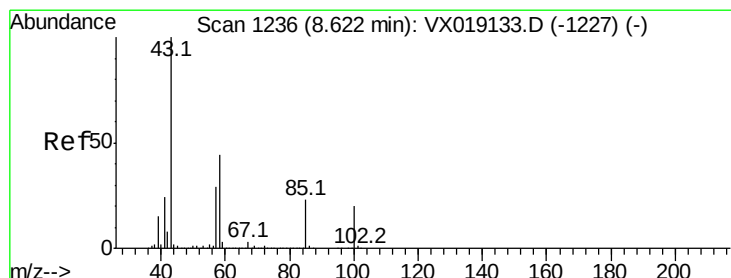
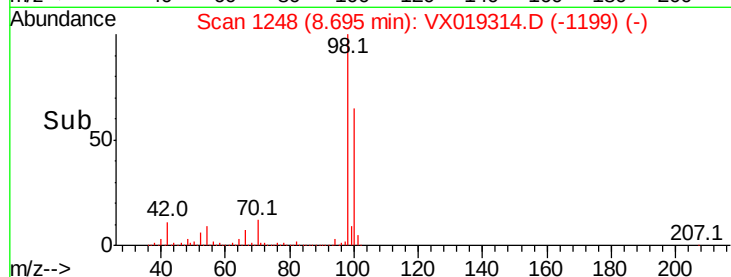
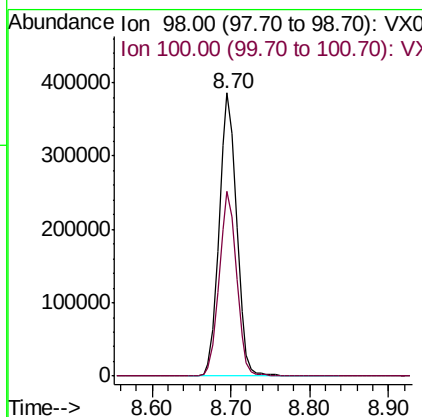
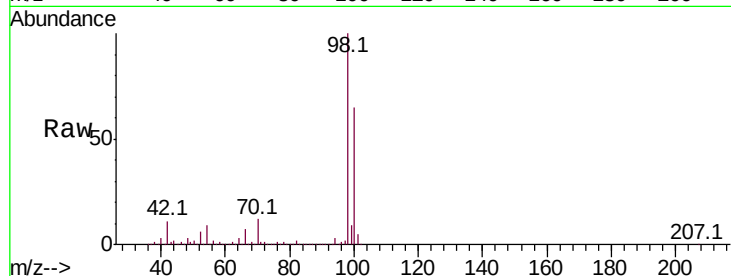




#50
Toluene-d8
Concen: 52.115 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

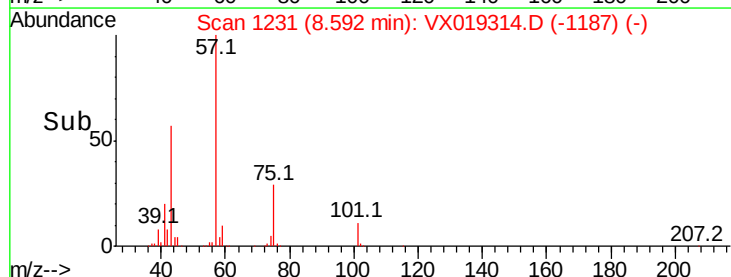
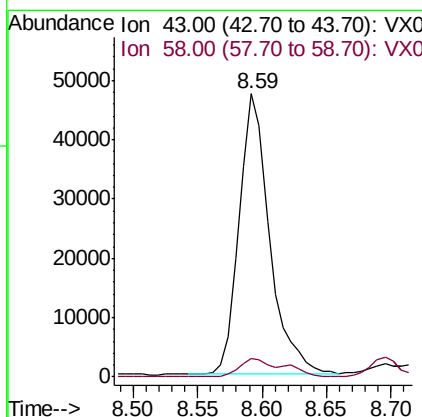
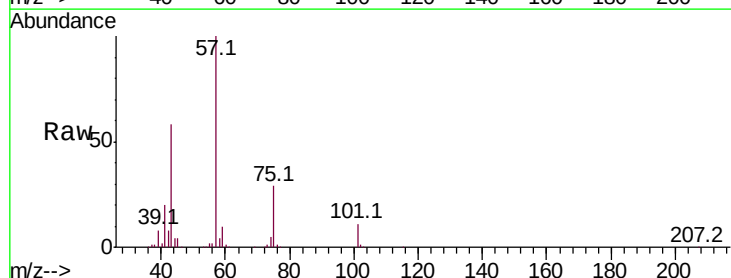
Instrument :
MSVOA_X
ClientSampleId :

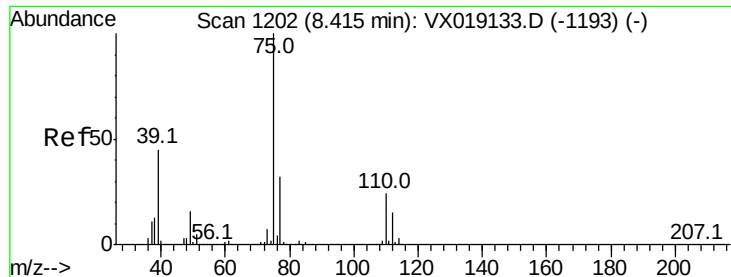
Tot Ion: 98 Resp: 598687
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 19.465 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

Tgt Ion: 43 Resp: 77920
Ion Ratio Lower Upper
43 100
58 6.5 35.0 52.4#



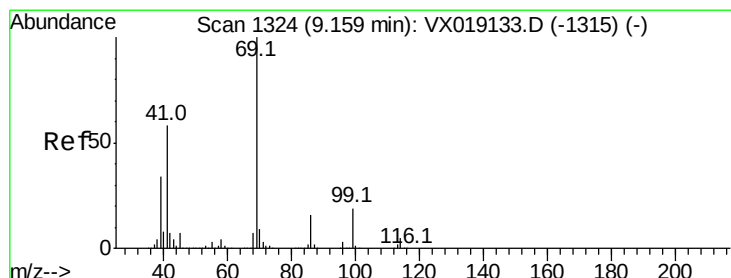
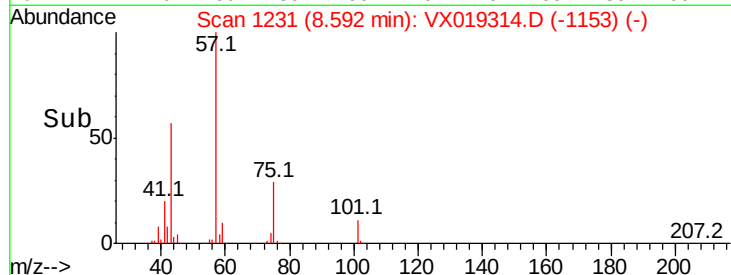
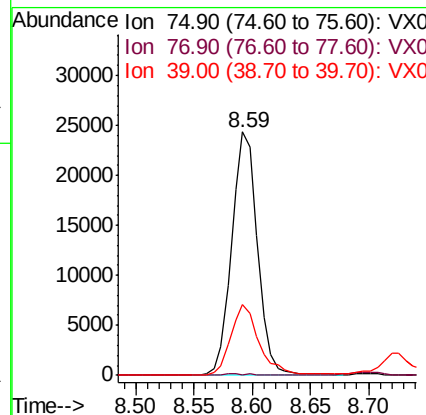
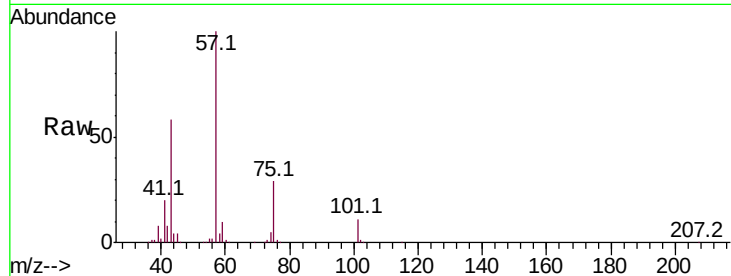


#54

cis-1,3-Dichloropropene
 Concen: 6.911 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019314.D
 Acq: 05 Nov 2020 15:18

Instrument :
 MSVOA_X
 ClientSampled :

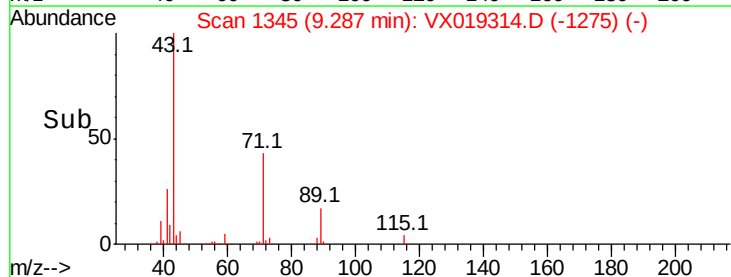
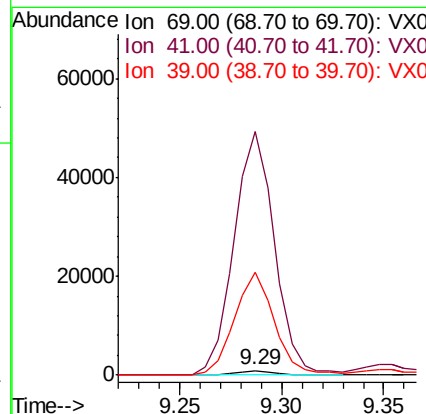
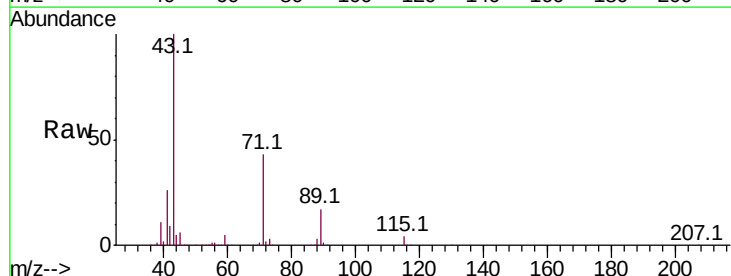
Tot Ion: 75 Resp: 37639
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.5 38.3#
 39 29.0 36.2 54.2#

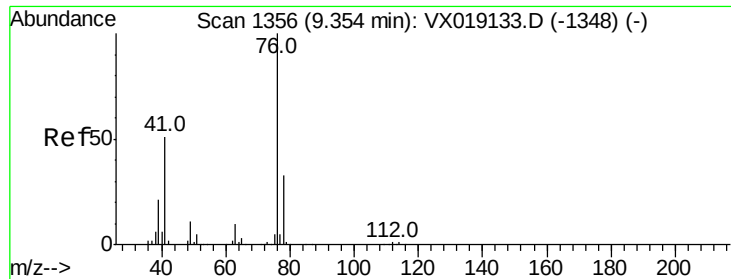


#56

Ethyl methacrylate
 Concen: 0.257 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX019314.D
 Acq: 05 Nov 2020 15:18

Tgt Ion: 69 Resp: 1255
 Ion Ratio Lower Upper
 69 100
 41 5402.5 46.5 69.7#
 39 2256.2 27.6 41.4#

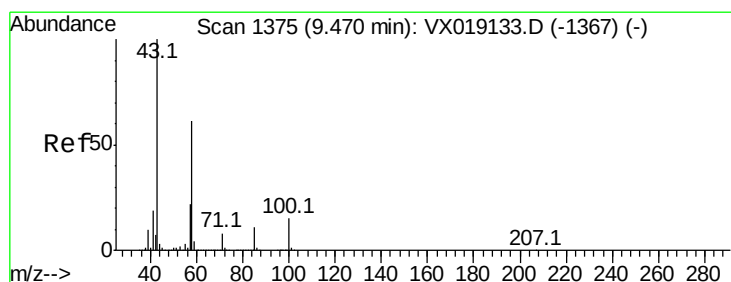
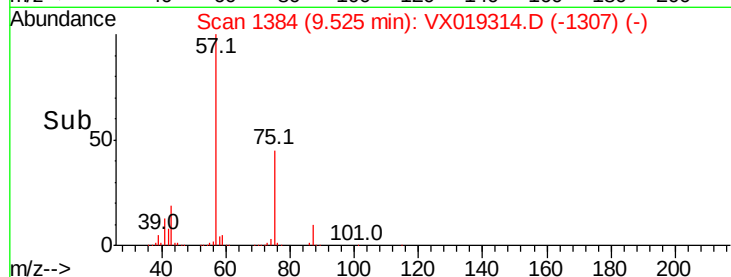
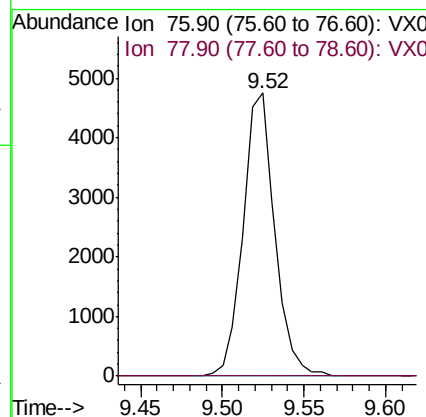
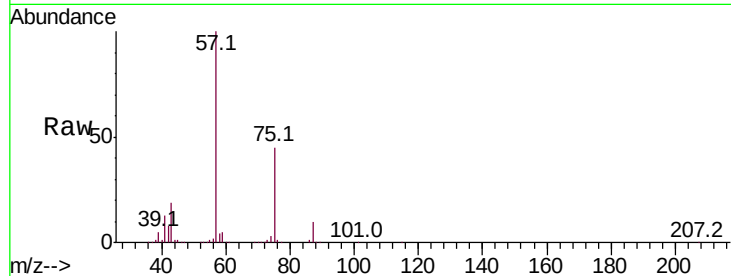




#57
 1,3-Dichloropropane
 Concen: 1.178 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019314.D
 Acq: 05 Nov 2020 15:18

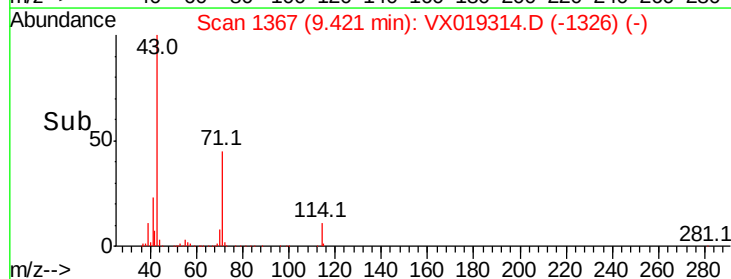
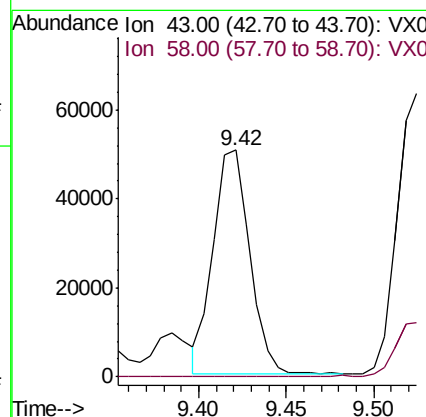
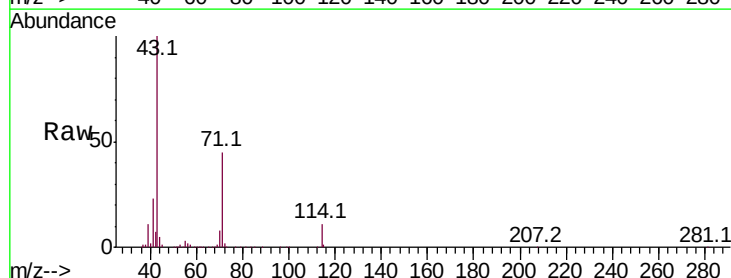
Instrument :
 MSVOA_X
 ClientSampleId :

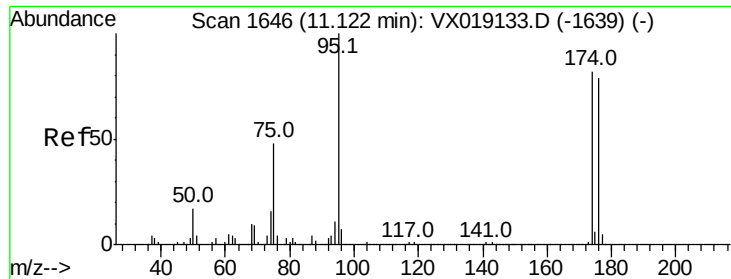
Tot Ion: 76 Resp: 6418
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 24.130 ug/l
 RT: 9.42 min Scan# 1367
 Delta R.T. -0.05 min
 Lab File: VX019314.D
 Acq: 05 Nov 2020 15:18

Tgt Ion: 43 Resp: 73530
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.5 91.5#

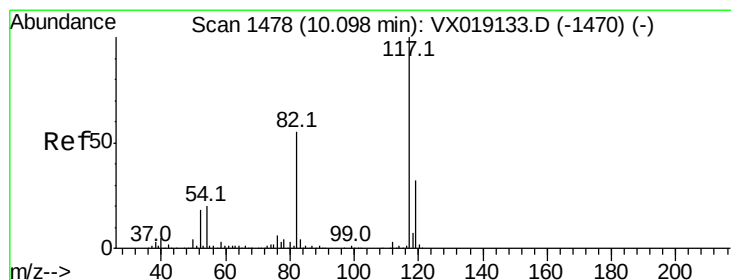
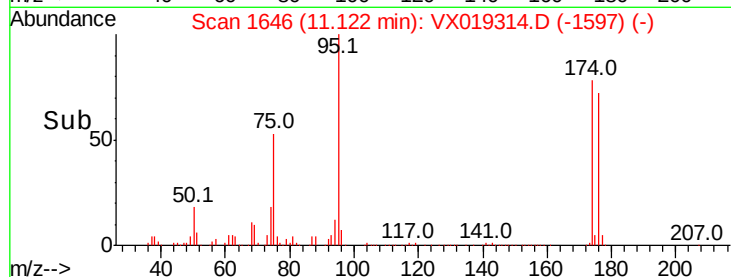
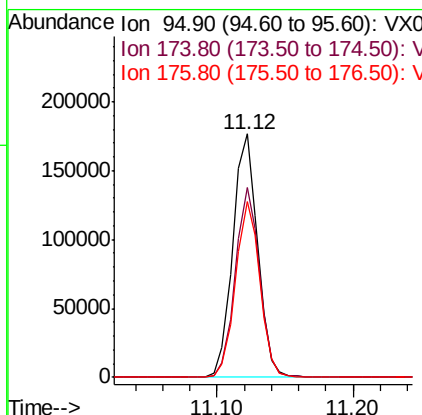
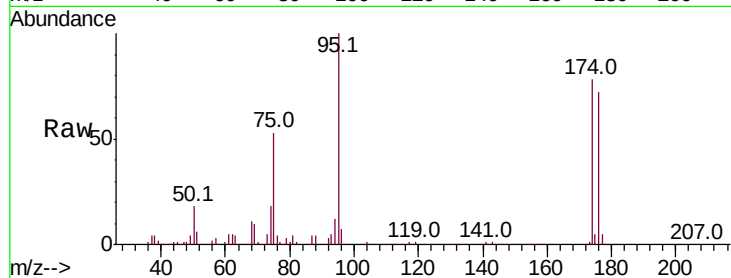




#62
4-Bromofluorobenzene
Concen: 51.536 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

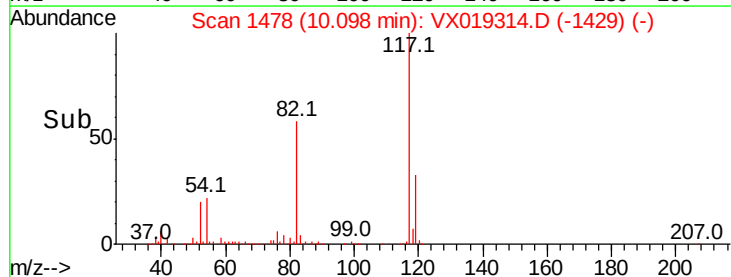
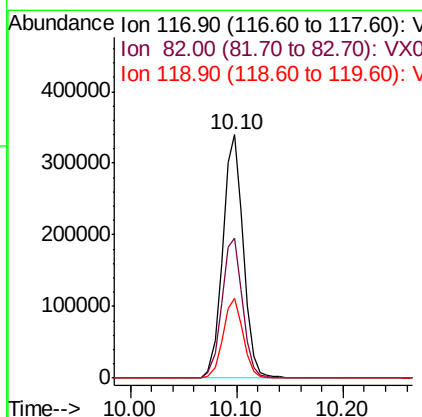
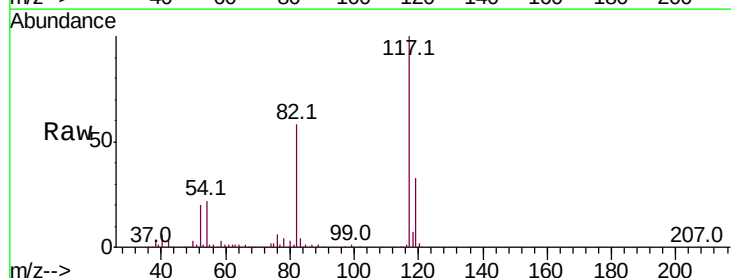
Instrument :
MSVOA_X
ClientSampleId :

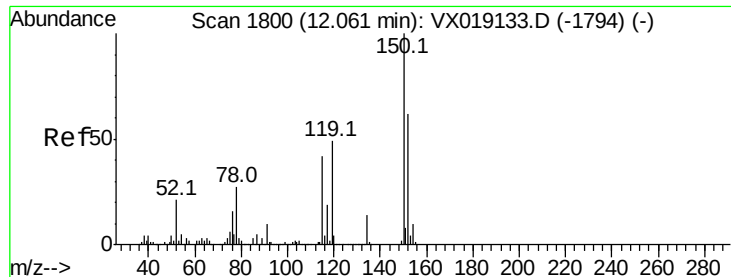
Tot Ion: 95 Resp: 224207
Ion Ratio Lower Upper
95 100
174 76.3 0.0 156.0
176 71.0 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019314.D
Acq: 05 Nov 2020 15:18

Tgt Ion: 117 Resp: 457565
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Instrument :

MSVOA_X

ClientSampleId :

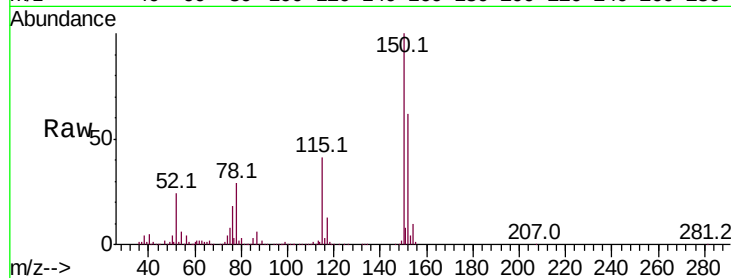
Tot Ion:152 Resp: 220831

Ion Ratio Lower Upper

152 100

115 62.2 41.9 125.7

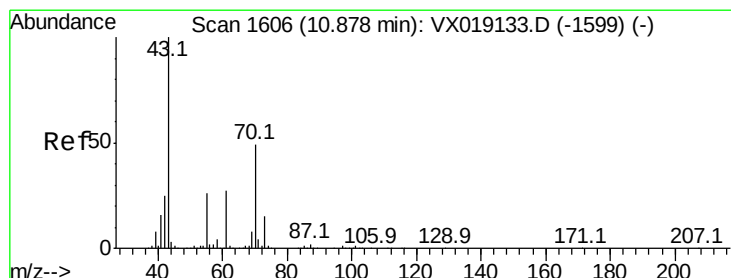
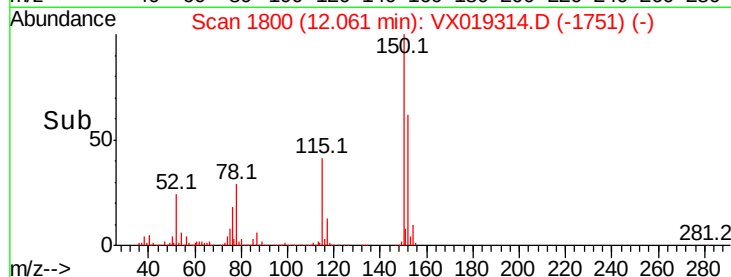
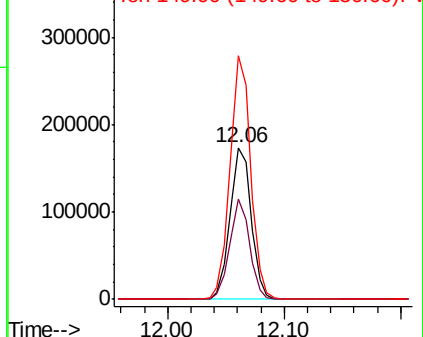
150 156.6 0.0 347.8



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



#74

N-ethyl acetate

Concen: 0.603 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Tgt Ion: 43 Resp: 3445

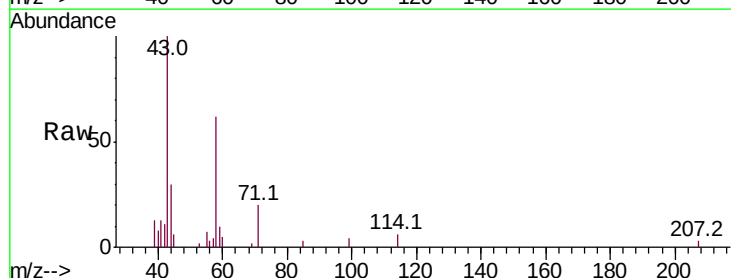
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 9.1 20.7 31.1#

61 0.0 21.9 32.9#

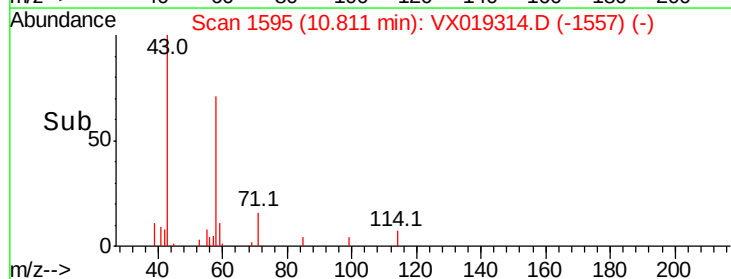
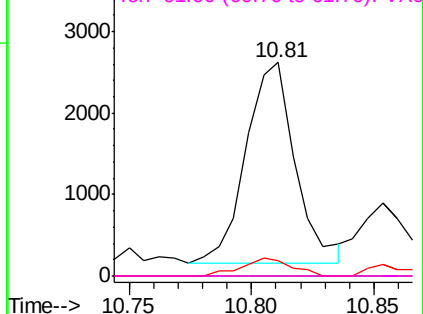


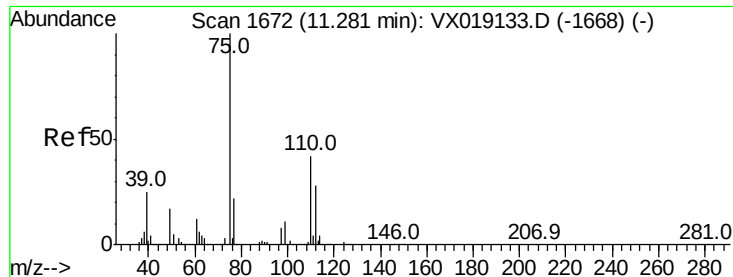
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.681 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019314.D

Acq: 05 Nov 2020 15:18

Instrument :

MSVOA_X

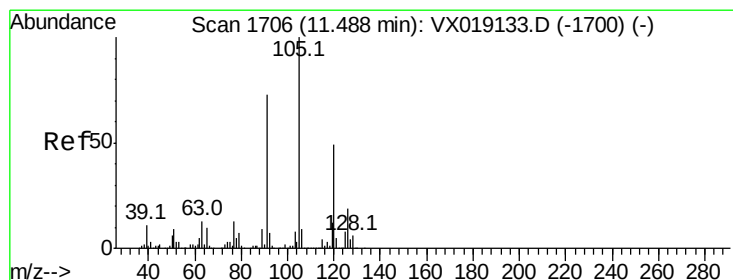
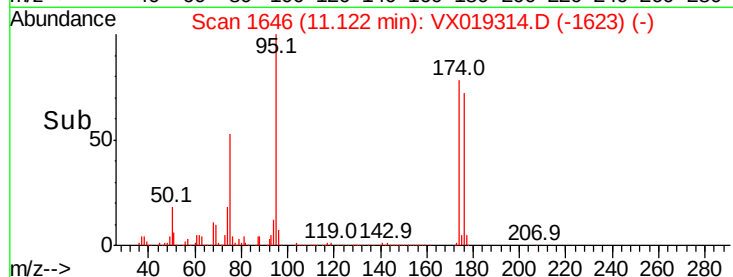
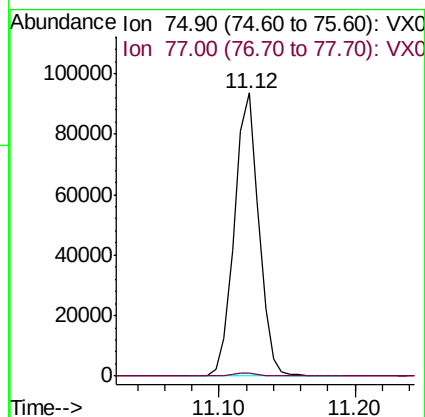
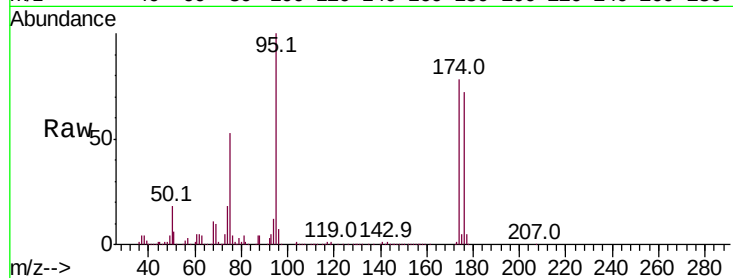
ClientSampled :

Tot Ion: 75 Resp: 117098

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.396 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019314.D

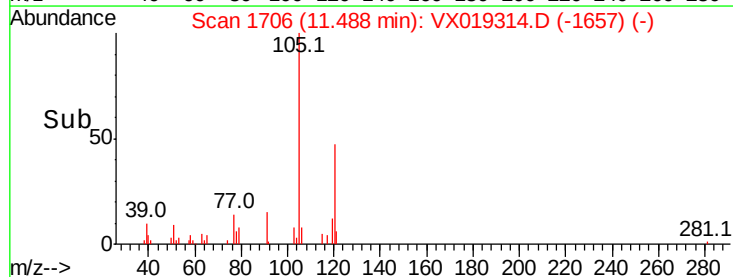
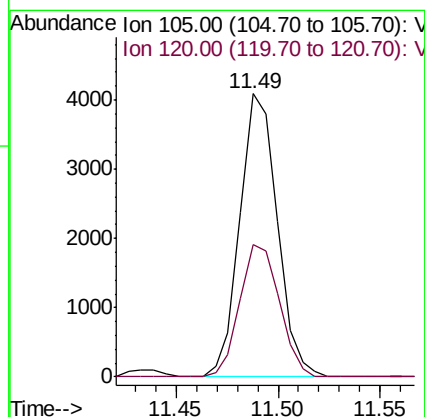
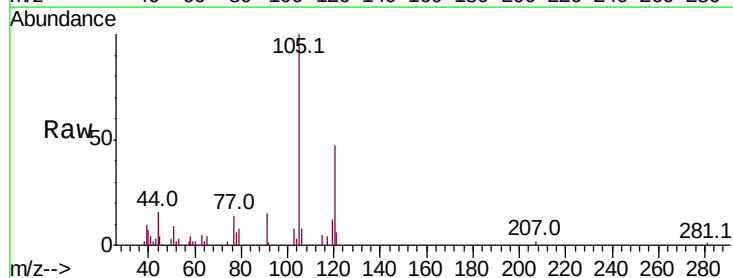
Acq: 05 Nov 2020 15:18

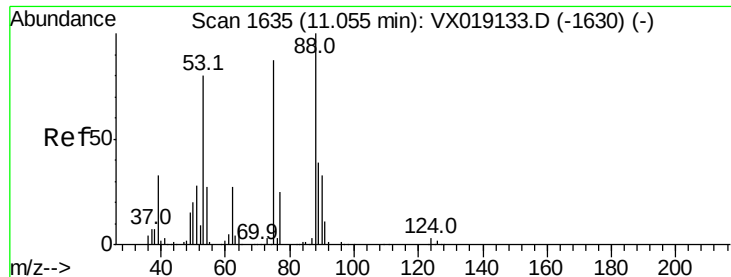
Tgt Ion: 105 Resp: 5223

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.8





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.618 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019314.D
 Acq: 05 Nov 2020 15:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 117098
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

