

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019258.D
 Acq On : 04 Nov 2020 00:52
 Operator : JC/MD
 Sample : L4600-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-19

Quant Time: Nov 04 02:27:15 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	317437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	568531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	549801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	281061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	219786	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	5.46	113	177580	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	8.70	98	707985	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.12	95	271424	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	

Target Compounds

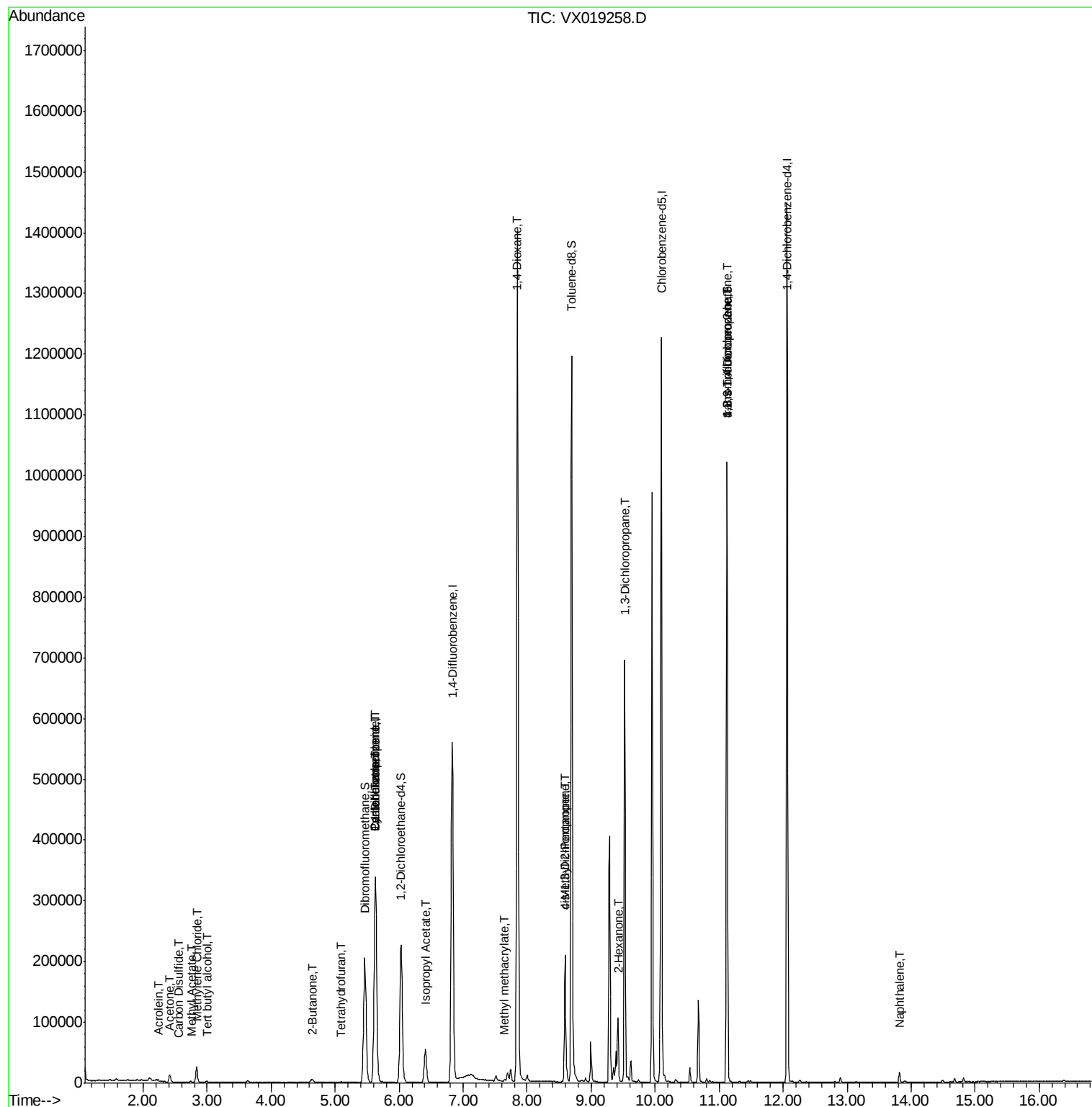
						Qvalue
11) Tert butyl alcohol	2.99	59	1791	2.215	ug/l #	72
13) Acrolein	2.24	56	120	5.972	ug/l #	40
16) Acetone	2.42	43	12789	9.056	ug/l	95
17) Carbon Disulfide	2.55	76	277	0.791	ug/l #	75
18) Methyl Acetate	2.75	43	2881	0.839	ug/l	96
20) Methylene Chloride	2.84	84	12404	3.498	ug/l	99
25) 2-Butanone	4.64	43	2960	1.330	ug/l #	79
29) Tetrahydrofuran	5.09	42	1661	1.184	ug/l #	80
31) Cyclohexane	5.64	56	7096	1.371	ug/l #	16
36) 1,1-Dichloropropene	5.63	75	26302	5.010	ug/l #	48
38) Carbon Tetrachloride	5.63	117	32794	6.128	ug/l #	16
43) Isopropyl Acetate	6.41	43	73595	9.017	ug/l	98
48) Methyl methacrylate	7.65	41	3591	0.914	ug/l #	9
49) 1,4-Dioxane	7.85	88	269	3.079	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	71124	15.162	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	35055	5.492	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	6190	0.969	ug/l #	42
59) 2-Hexanone	9.42	43	68090	19.068	ug/l #	20
76) 1,2,3-Trichloropropane	11.12	75	140092	24.140	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	140092	63.560	ug/l #	12
95) Naphthalene	13.82	128	9842	0.471	ug/l	99

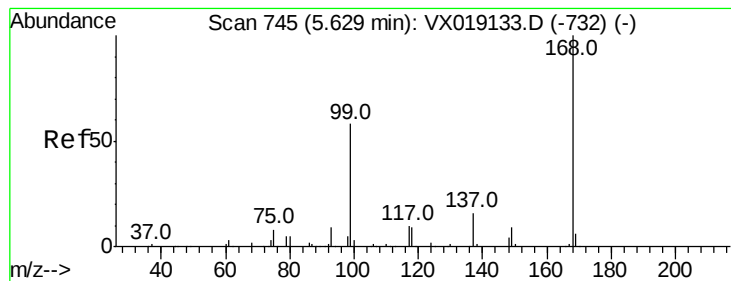
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

Instrument :

MSVOA_X

ClientSampled :

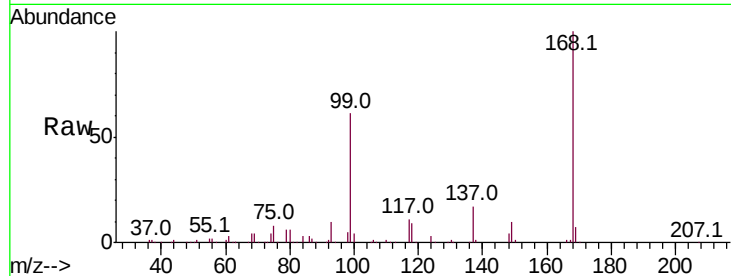
CRT-19

Tot Ion:168 Resp: 317437

Ion Ratio Lower Upper

168 100

99 60.9 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

120000

100000

80000

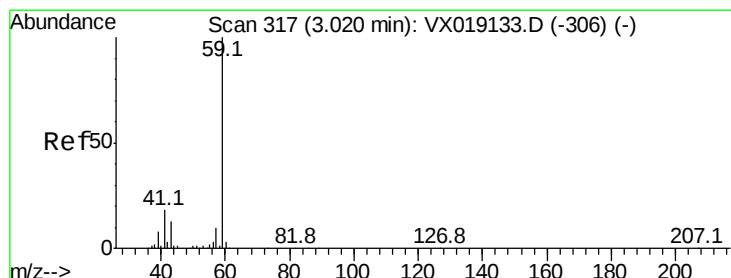
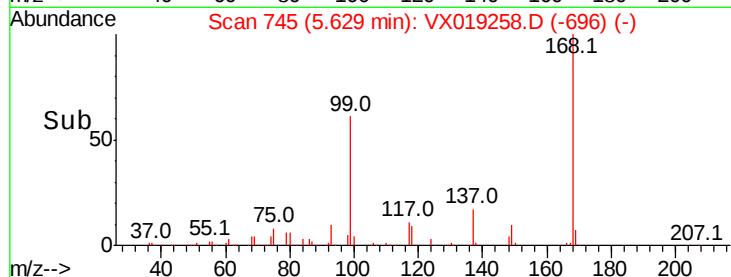
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.215 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX019258.D

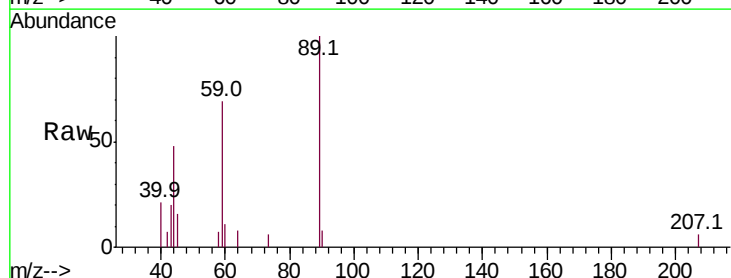
Acq: 04 Nov 2020 00:52

Tgt Ion: 59 Resp: 1791

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

2.99

800

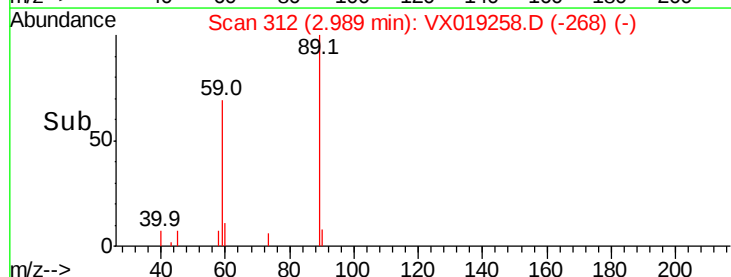
600

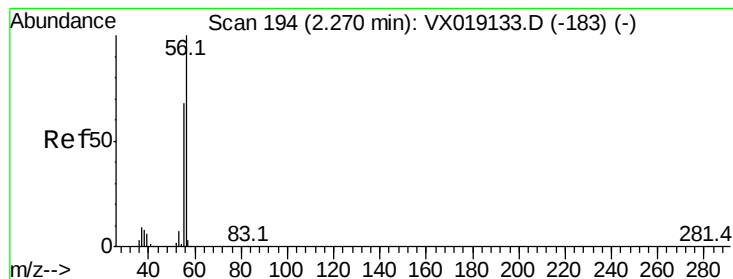
400

200

0

Time-->





#13

Acrolein

Concen: 5.972 ug/l

RT: 2.24 min Scan# 189

Delta R.T. -0.03 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

Instrument :

MSVOA_X

ClientSampled :

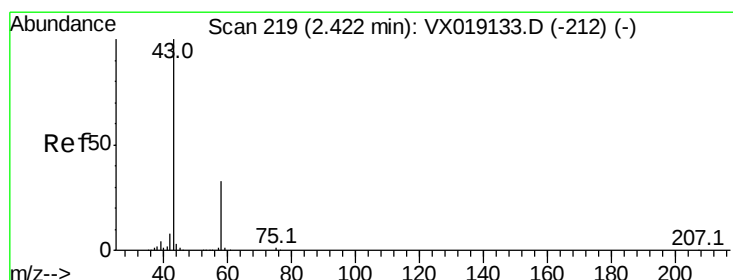
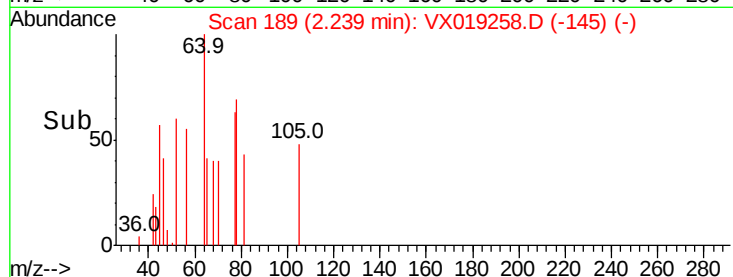
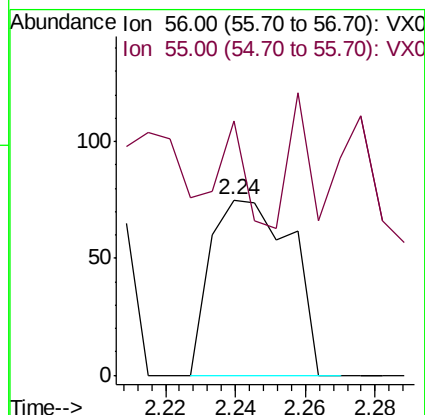
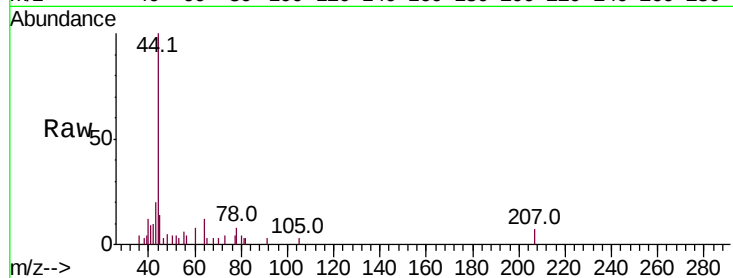
CRT-19

Tot Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 20.0 54.7 82.1#



#16

Acetone

Concen: 9.056 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019258.D

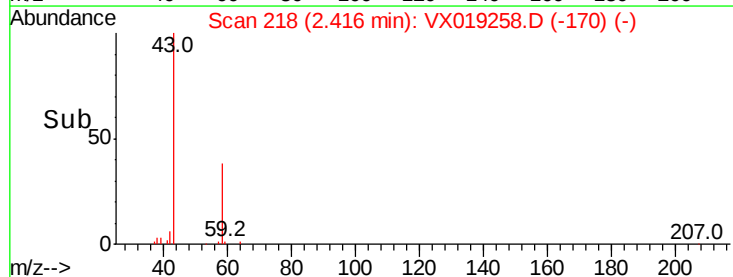
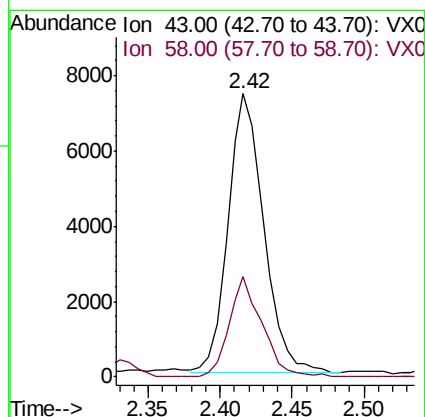
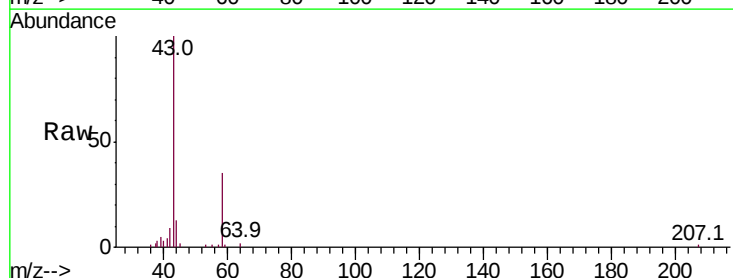
Acq: 04 Nov 2020 00:52

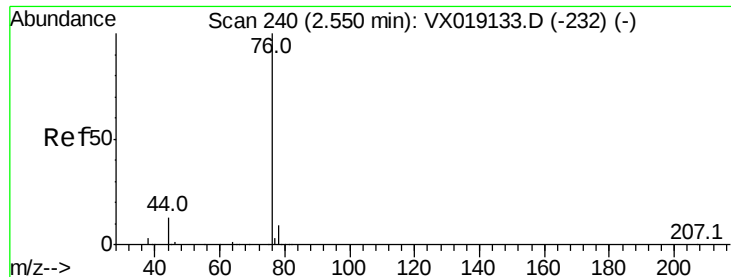
Tgt Ion: 43 Resp: 12789

Ion Ratio Lower Upper

43 100

58 35.9 26.3 39.5

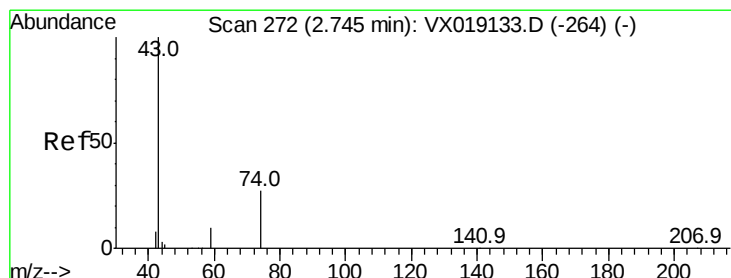
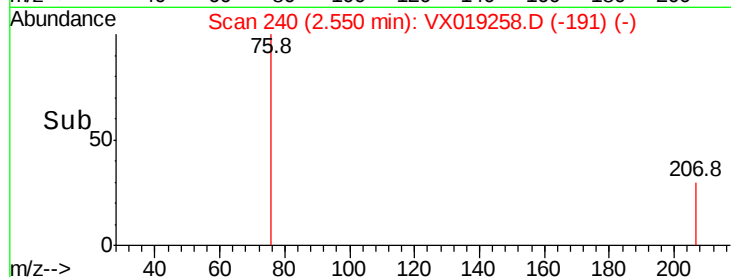
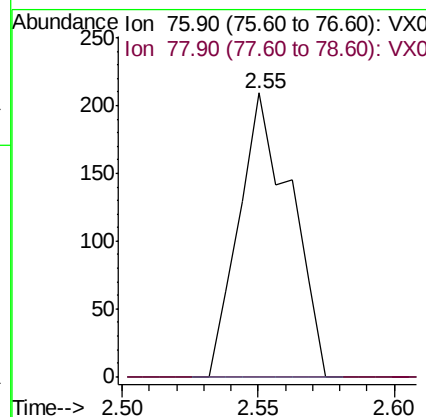
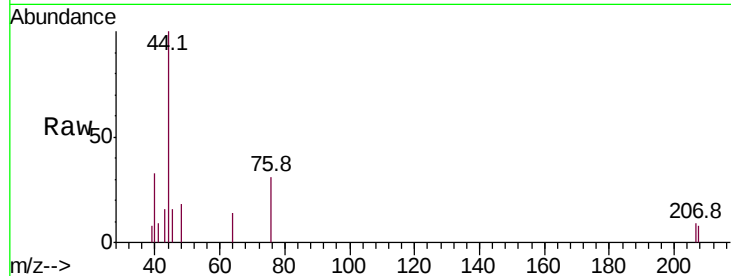




#17
Carbon Disulfide
Concen: 0.791 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

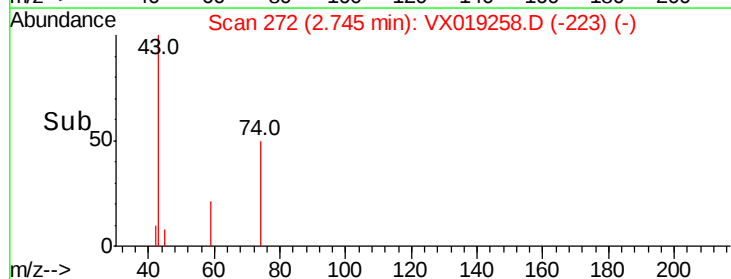
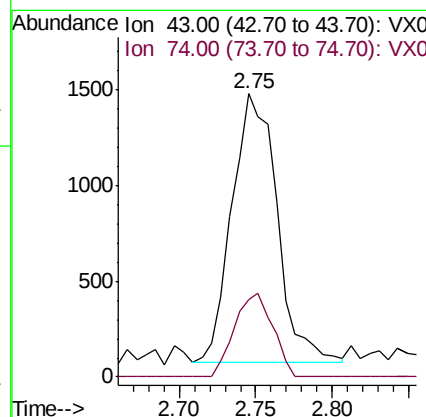
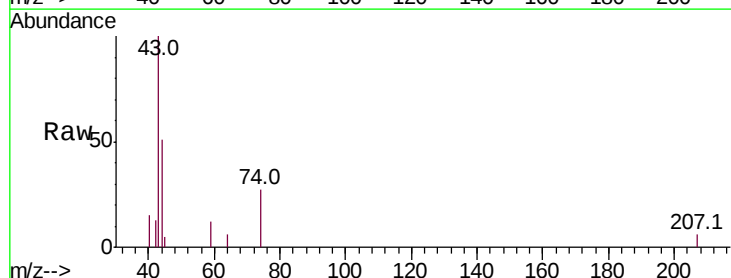
Instrument :
MSVOA_X
ClientSampled :
CRT-19

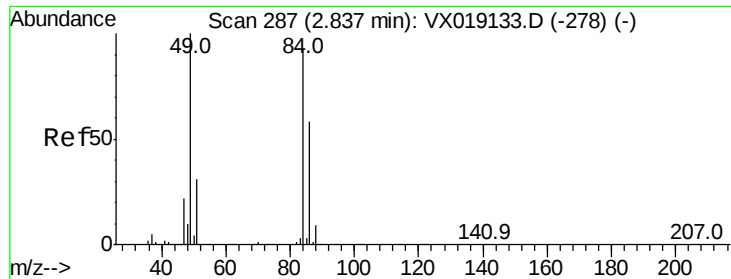
Tot Ion: 76 Resp: 277
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.839 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

Tgt Ion: 43 Resp: 2881
Ion Ratio Lower Upper
43 100
74 26.2 22.6 33.8

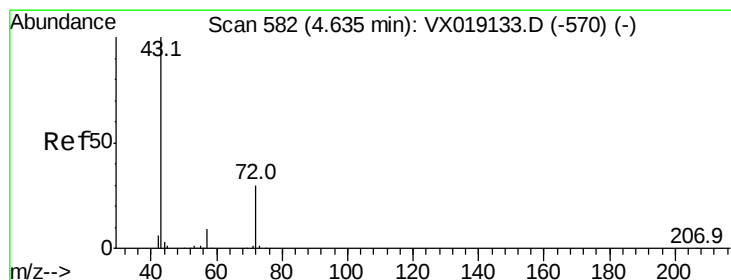
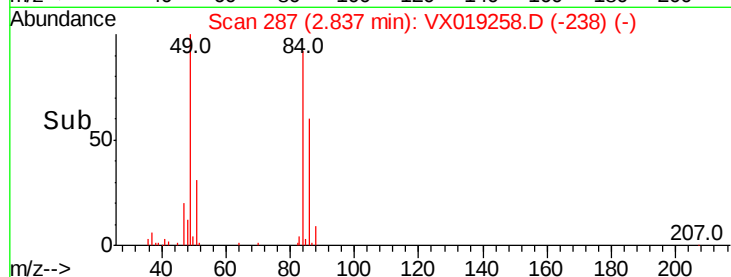
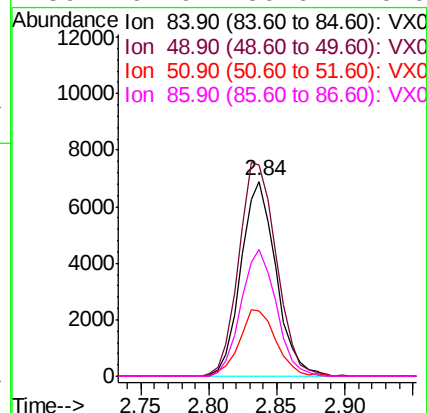
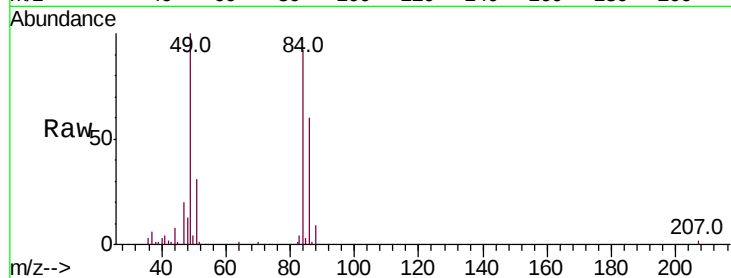




#20
Methvlene Chloride
Concen: 3.498 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

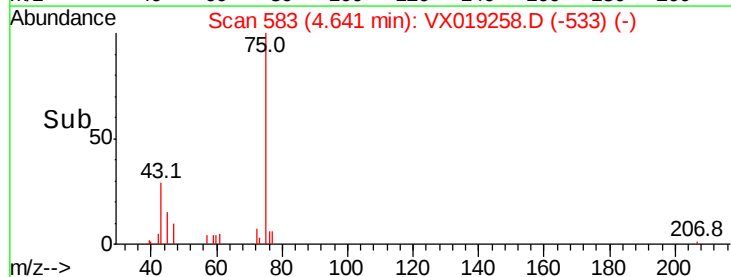
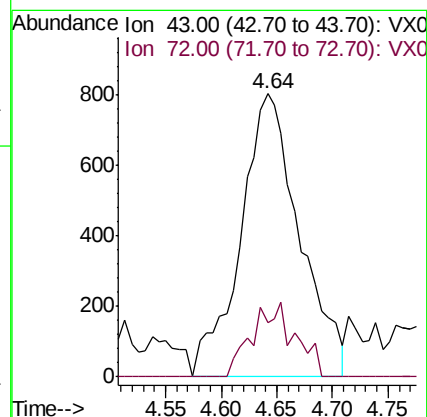
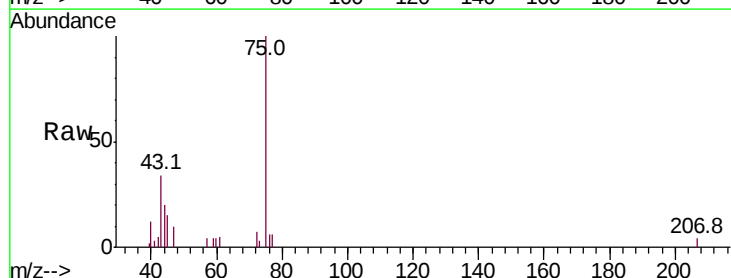
Instrument :
MSVOA_X
ClientSampleId :
CRT-19

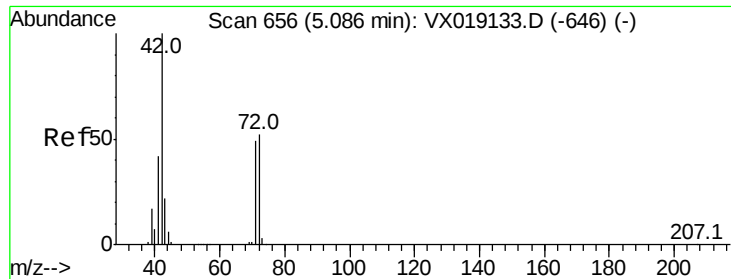
Tot Ion:	84	Resp:	12404
Ion	Ratio	Lower	Upper
84	100		
49	108.5	86.8	130.2
51	33.8	27.3	40.9
86	64.9	50.6	76.0



#25
2-Butanone
Concen: 1.330 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

Tgt Ion:	43	Resp:	2960
Ion	Ratio	Lower	Upper
43	100		
72	19.2	24.6	36.8#





#29

Tetrahydrofuran

Concen: 1.184 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

Instrument :

MSVOA_X

ClientSampleId :

CRT-19

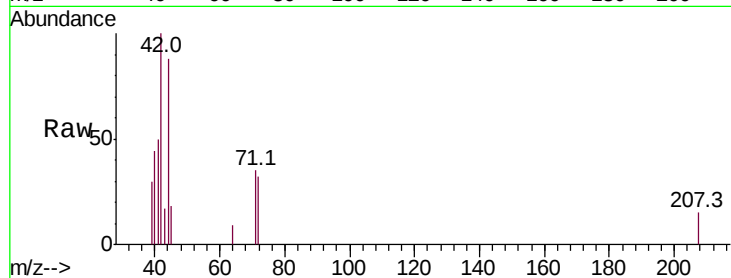
Tot Ion: 42 Resp: 1661

Ion Ratio Lower Upper

42 100

72 37.6 42.6 63.8#

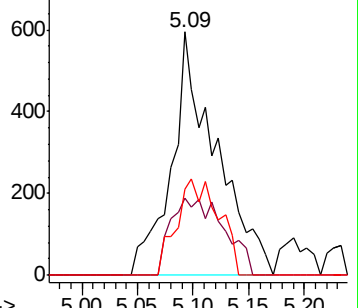
71 37.6 39.7 59.5#



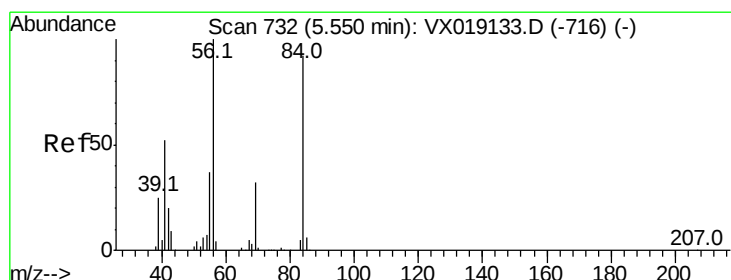
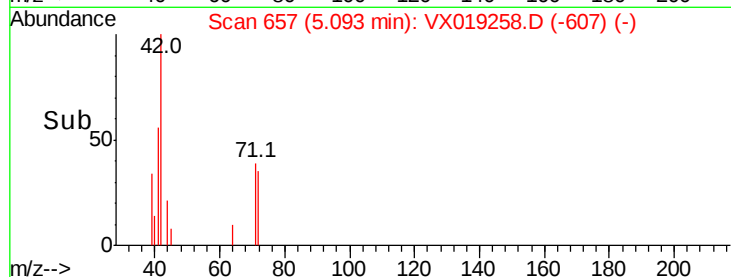
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.371 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

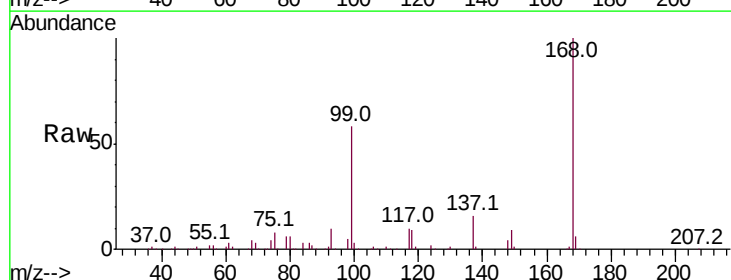
Tgt Ion: 56 Resp: 7096

Ion Ratio Lower Upper

56 100

69 148.6 25.9 38.9#

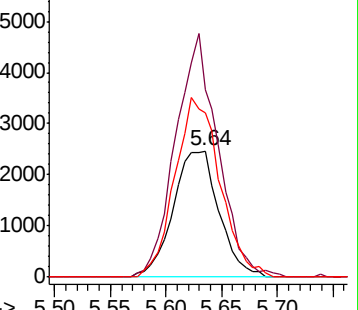
84 130.2 73.4 110.2#



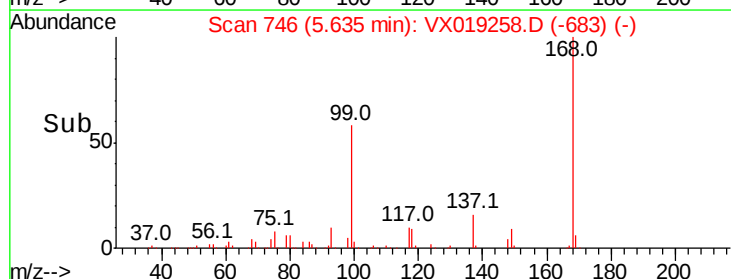
Abundance Ion 56.00 (55.70 to 56.70): VX0

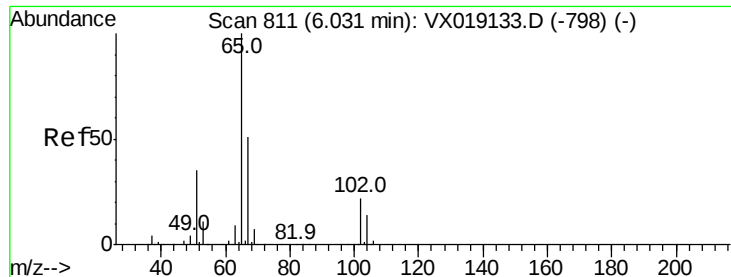
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.688 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

Instrument :

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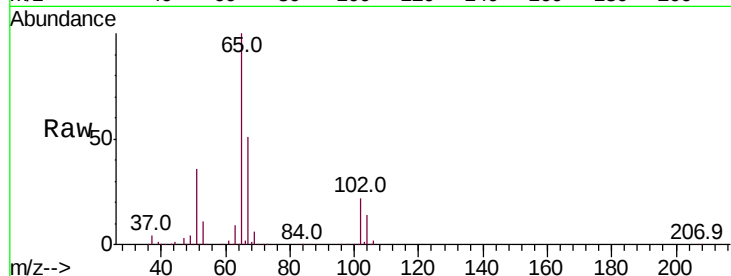
CRT-19

Tot Ion: 65 Resp: 219786

Ion Ratio Lower Upper

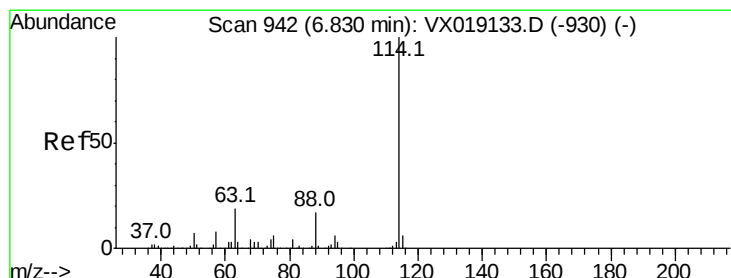
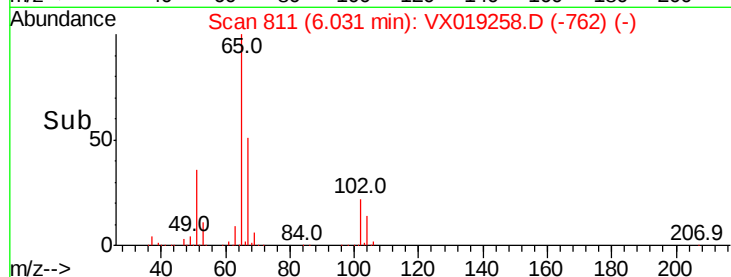
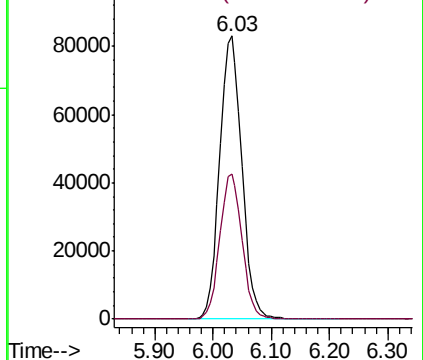
65 100

67 51.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

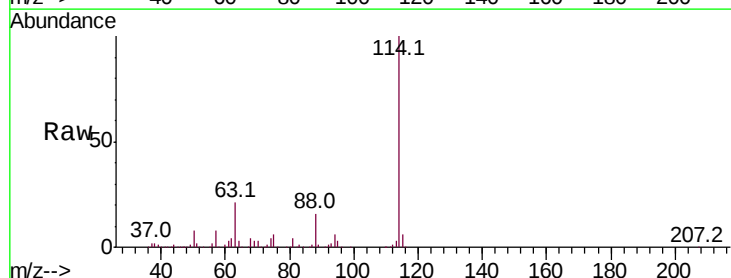
Tgt Ion: 114 Resp: 568531

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

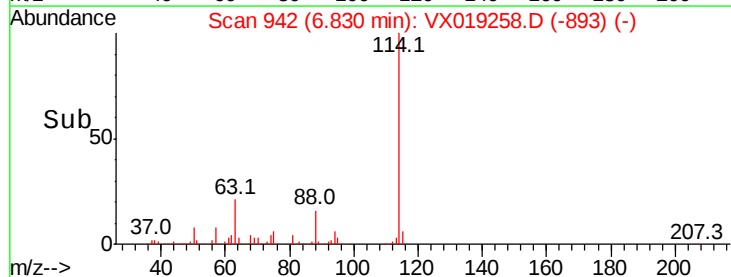
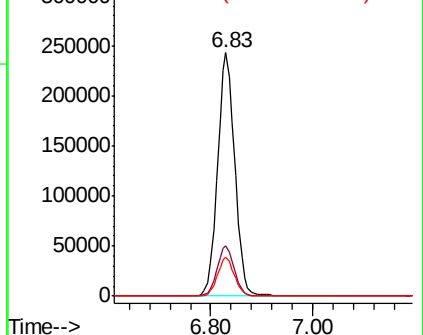
88 16.2 0.0 34.2

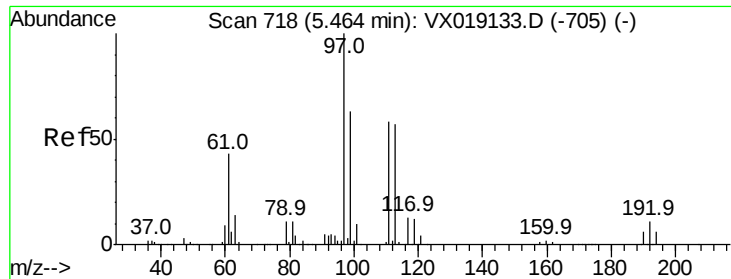


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

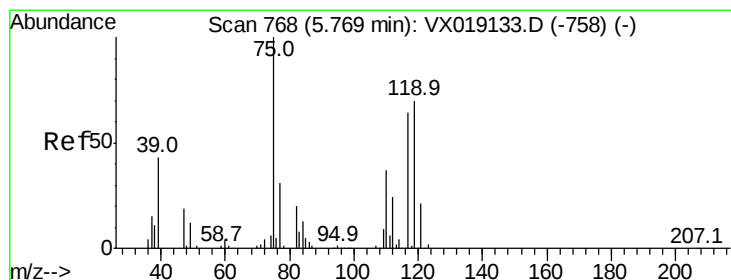
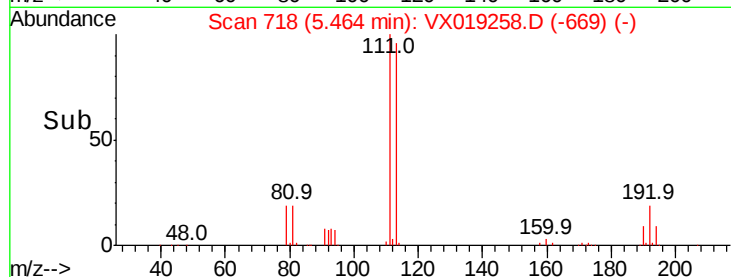
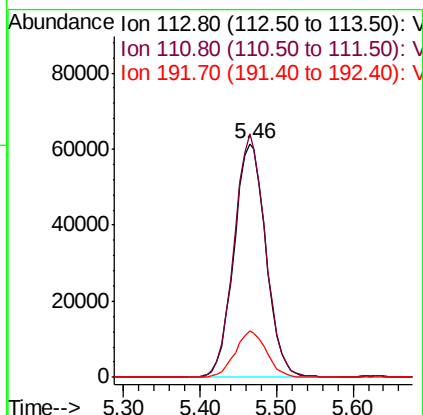
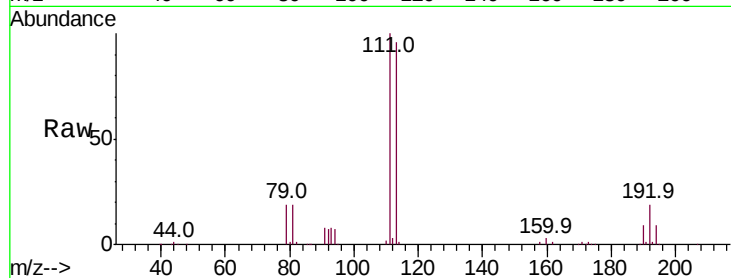




#35
 Dibromofluoromethane
 Concen: 49.726 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019258.D
 Acq: 04 Nov 2020 00:52

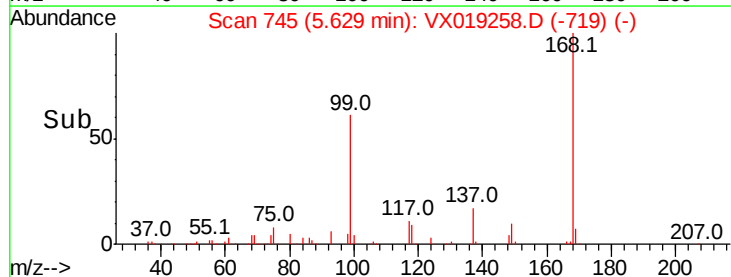
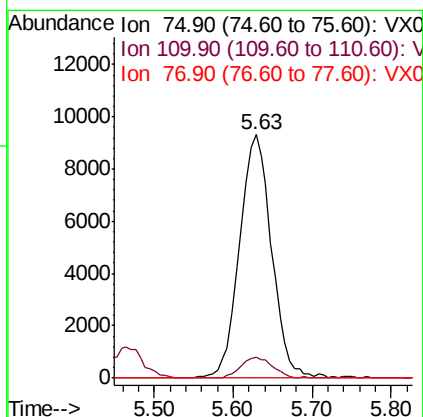
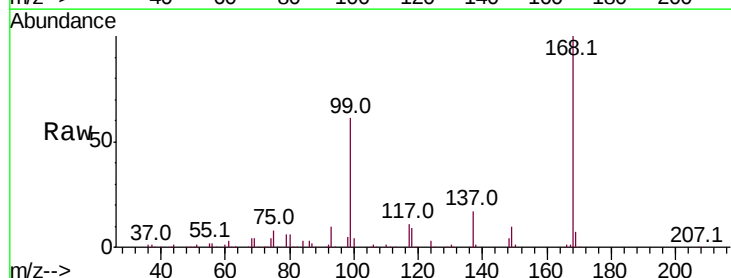
Instrument :
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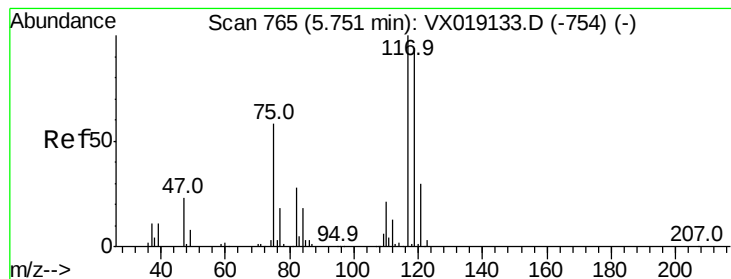
Tot Ion:113 Resp: 177580
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.3 123.5
 192 19.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.010 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019258.D
 Acq: 04 Nov 2020 00:52

Tgt Ion: 75 Resp: 26302
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.128 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

Instrument :

MSVOA_X

ClientSampleId :

CRT-19

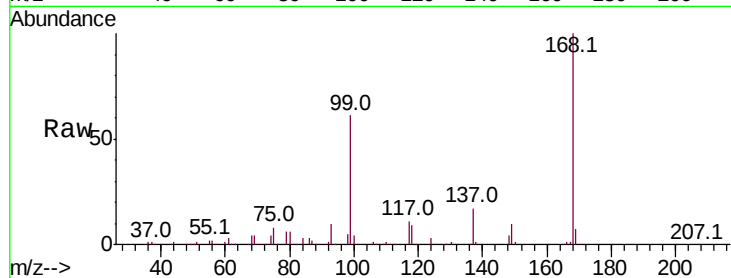
Tot Ion:117 Resp: 32794

Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.6#

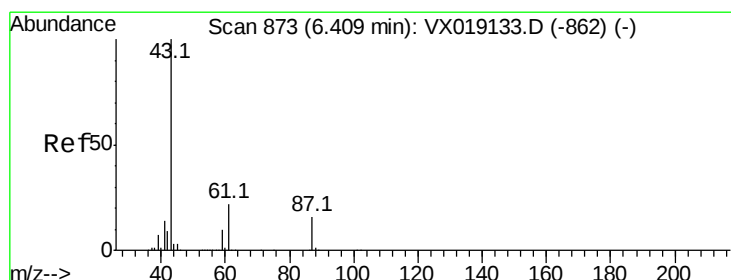
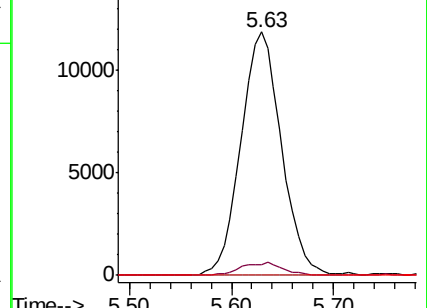
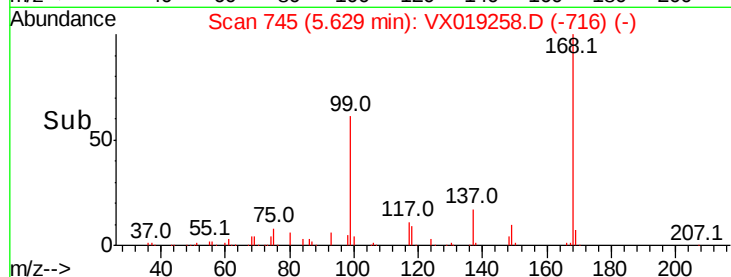
121 0.0 23.9 35.9#



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: 9.017 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

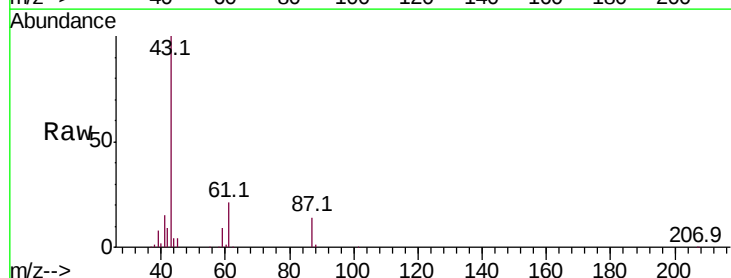
Tgt Ion: 43 Resp: 73595

Ion Ratio Lower Upper

43 100

61 21.5 17.8 26.6

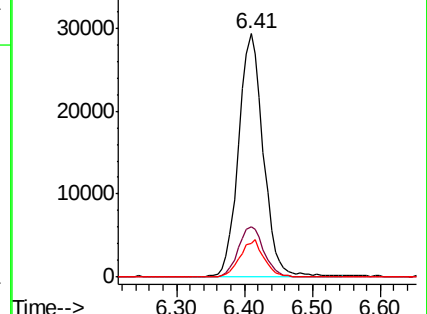
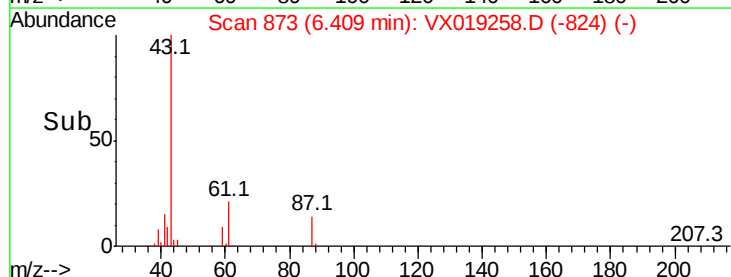
87 14.8 12.6 19.0

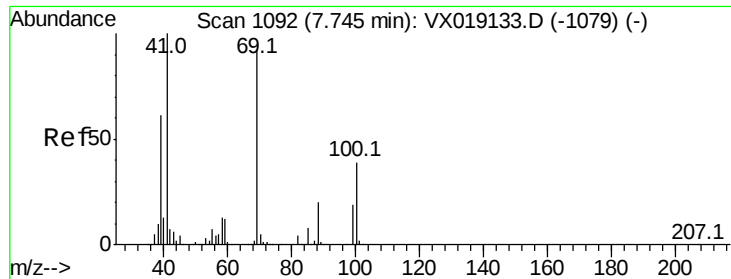


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

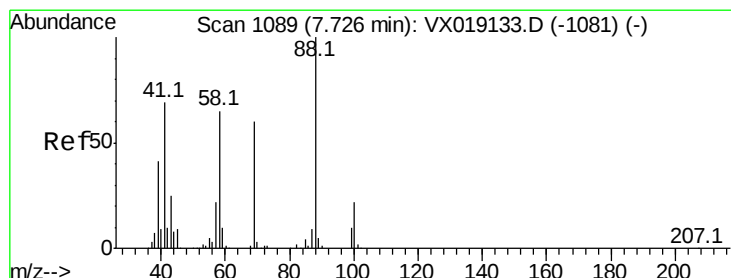
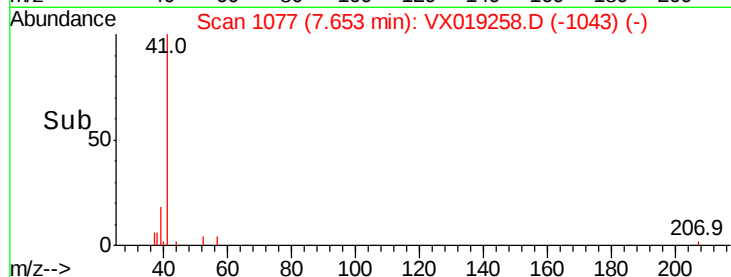
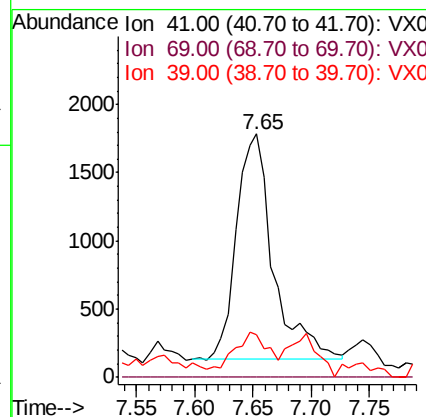
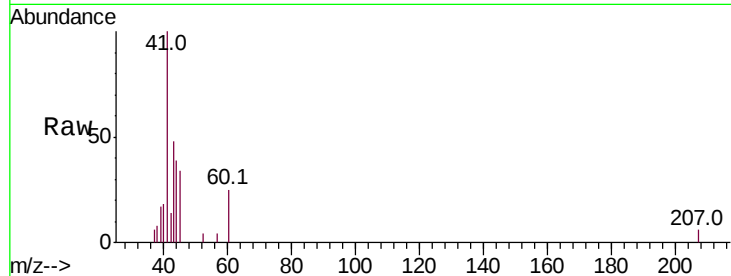




#48
Methvl methacrylate
Concen: 0.914 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

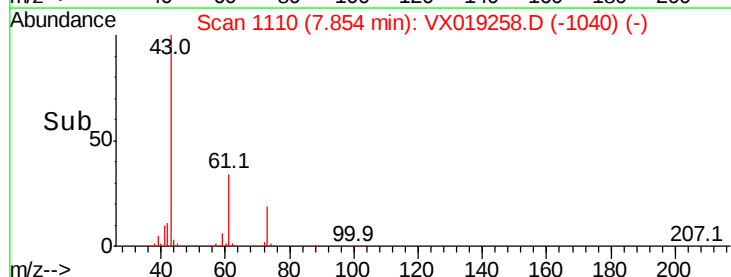
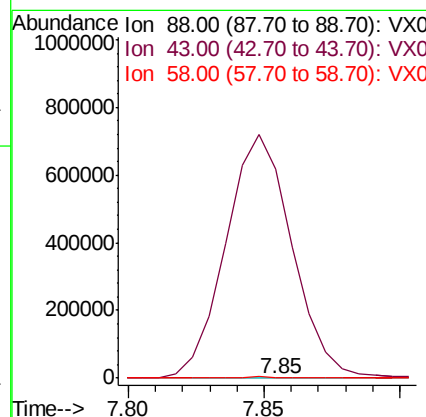
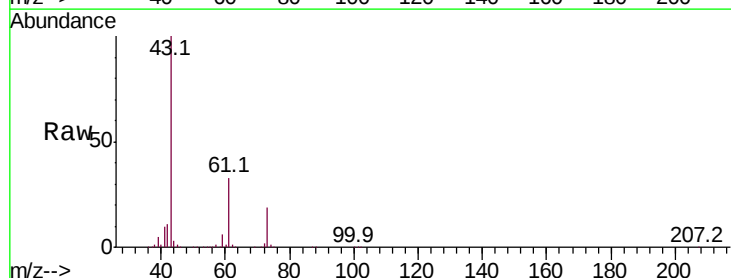
Instrument :
MSVOA_X
ClientSampleId :
CRT-19

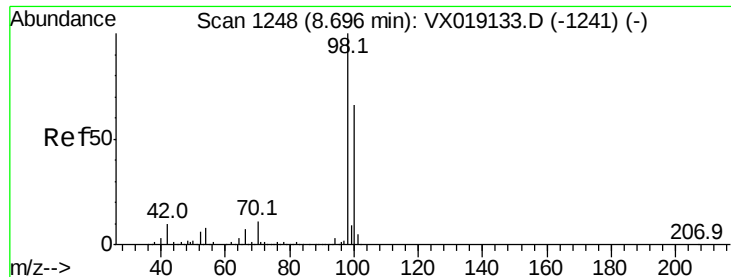
Tot Ion: 41 Resp: 3591
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 3.079 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.13 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

Tgt Ion: 88 Resp: 269
Ion Ratio Lower Upper
88 100
43 455823.0 23.0 34.6#
58 2149.8 52.2 78.2#

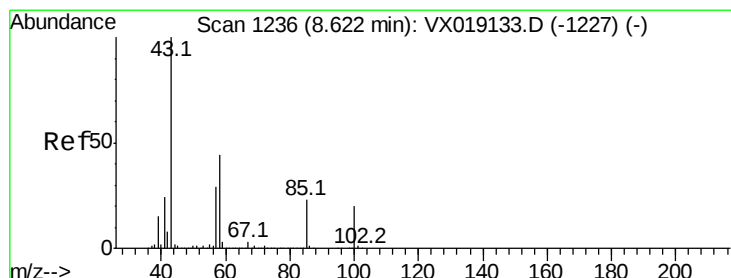
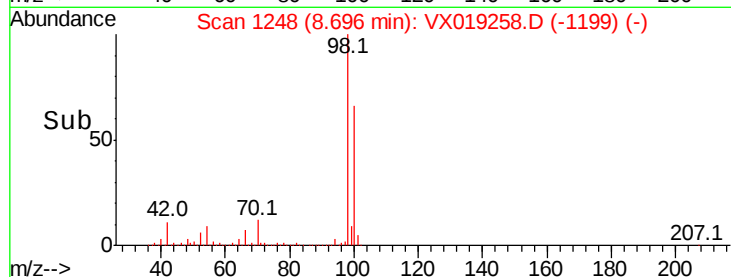
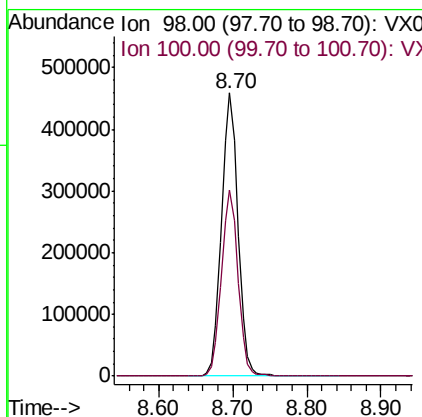
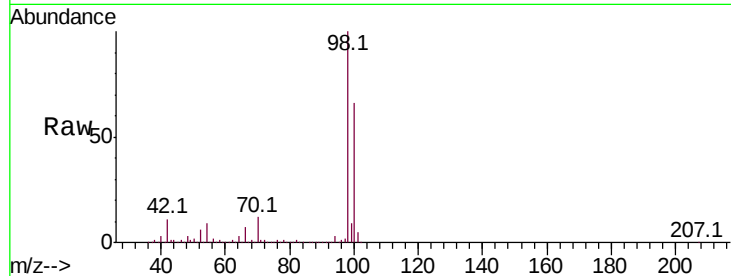




#50
Toluene-d8
Concen: 52.591 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

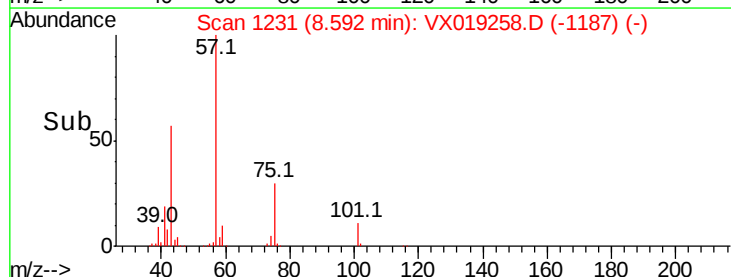
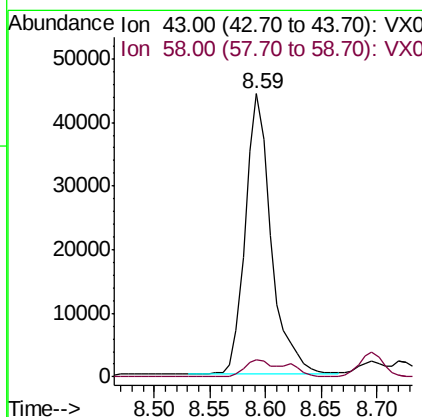
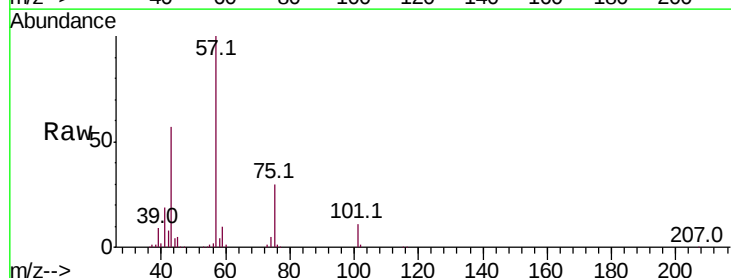
Instrument :
MSVOA_X
ClientSampled :
CRT-19

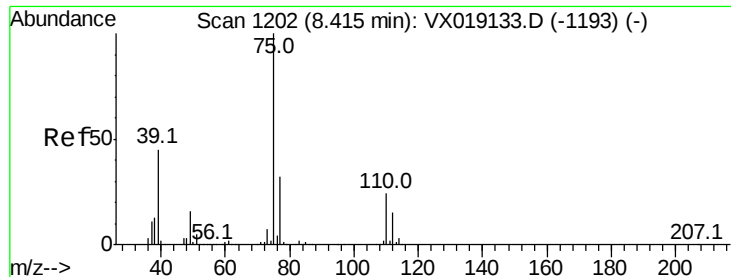
Tot Ion: 98 Resp: 707985
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 15.162 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

Tgt Ion: 43 Resp: 71124
Ion Ratio Lower Upper
43 100
58 9.8 35.0 52.4#



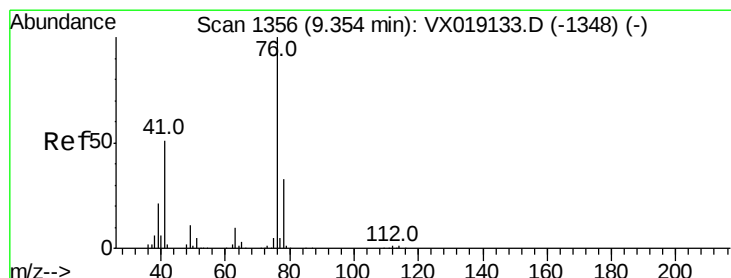
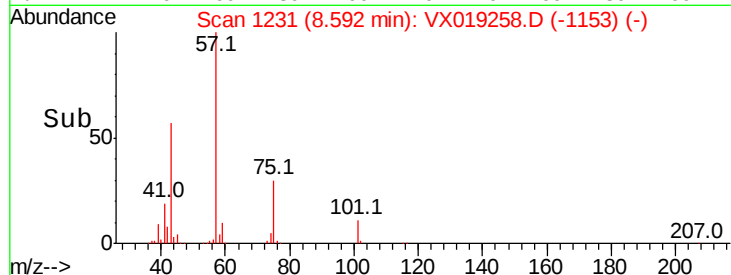
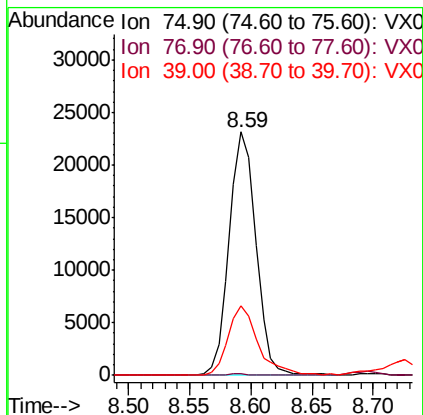
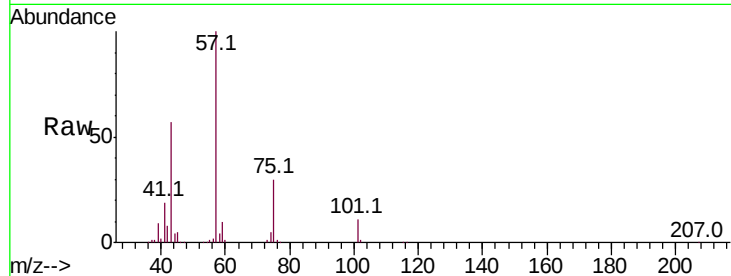


#54

cis-1,3-Dichloropropene
 Concen: 5.492 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019258.D
 Acq: 04 Nov 2020 00:52

Instrument :
 MSVOA_X
 ClientSampled :
 CRT-19

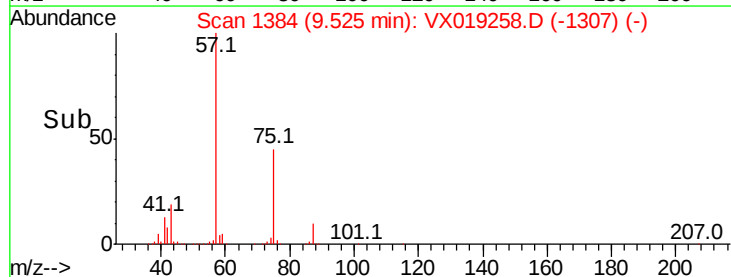
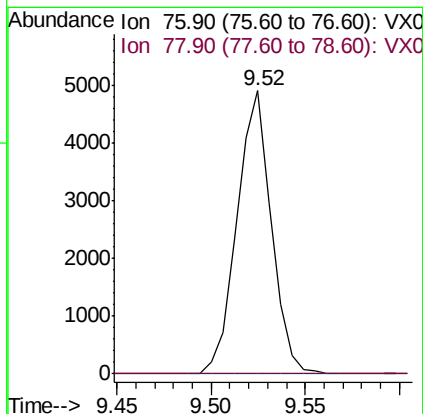
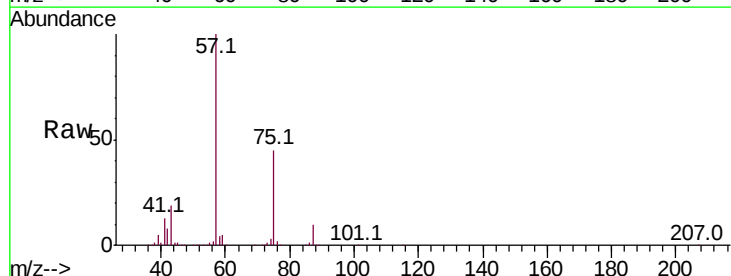
Tot Ion: 75 Resp: 35055
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.5 38.3#
 39 28.5 36.2 54.2#

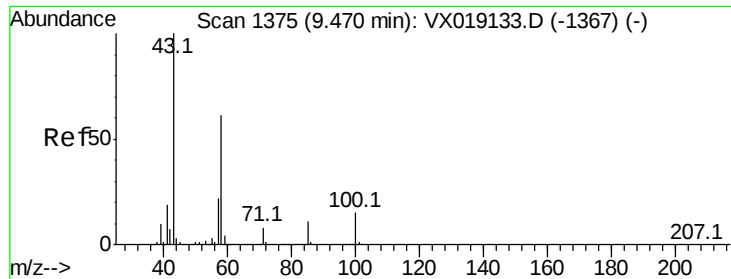


#57

1,3-Dichloropropane
 Concen: 0.969 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019258.D
 Acq: 04 Nov 2020 00:52

Tgt Ion: 76 Resp: 6190
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

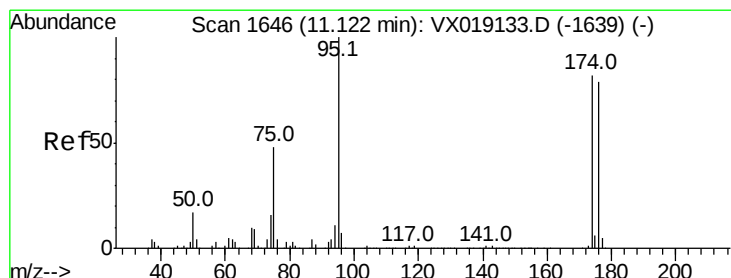
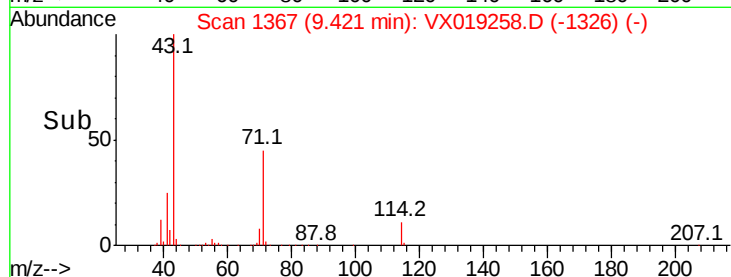
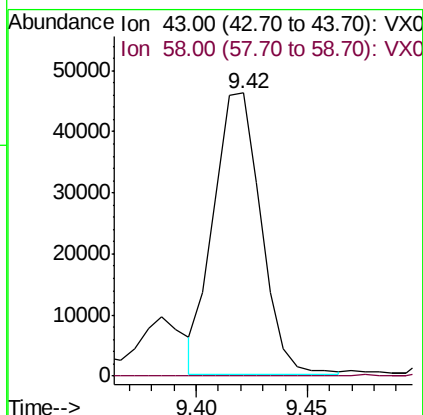
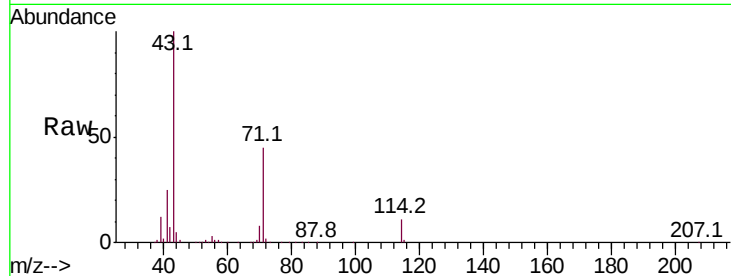




#59
2-Hexanone
Concen: 19.068 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

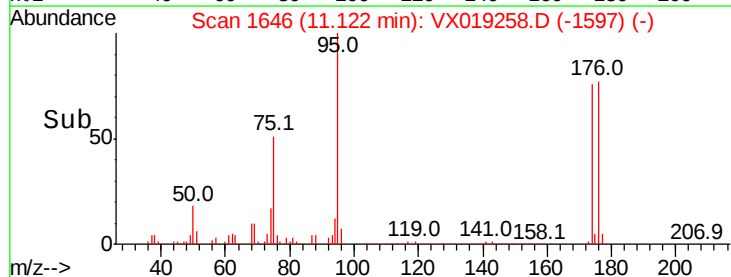
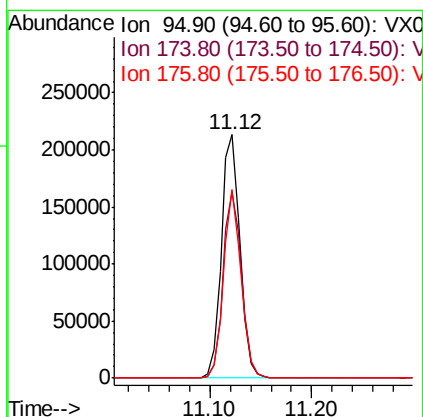
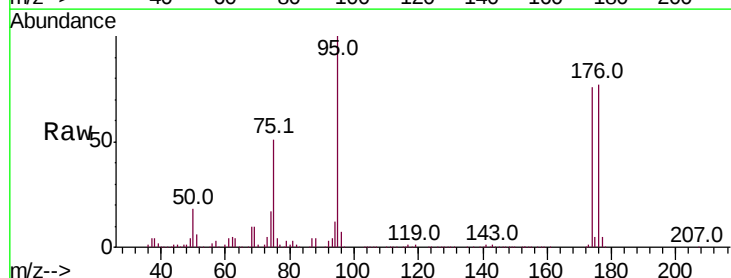
Instrument :
MSVOA_X
ClientSampled :
CRT-19

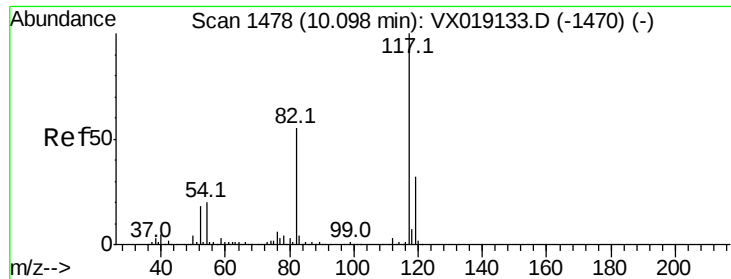
Tot Ion: 43 Resp: 68090
Ion Ratio Lower Upper
43 100
58 0.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 53.240 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

Tgt Ion: 95 Resp: 271424
Ion Ratio Lower Upper
95 100
174 76.3 0.0 156.0
176 72.9 0.0 149.8

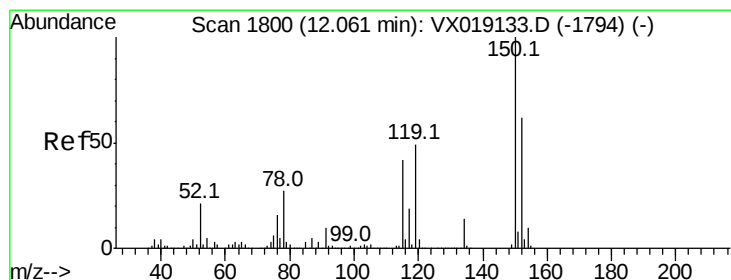
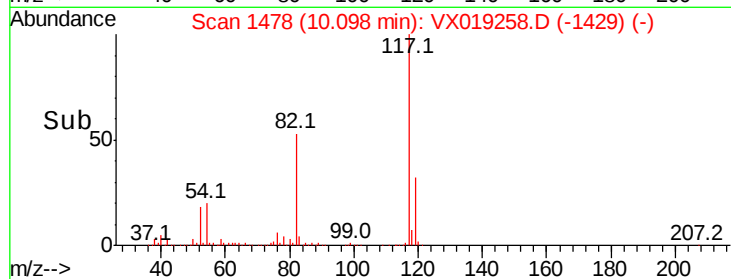
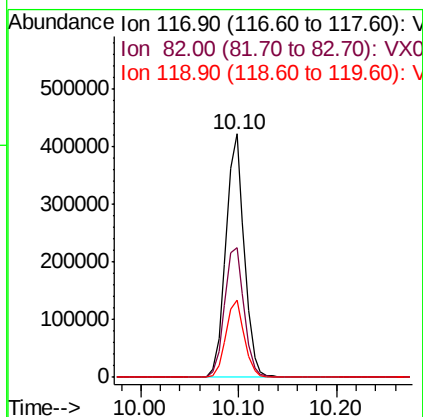
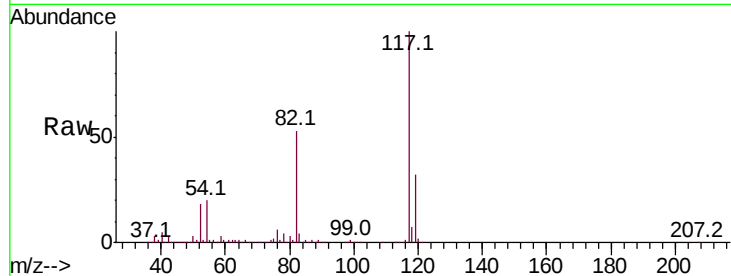




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

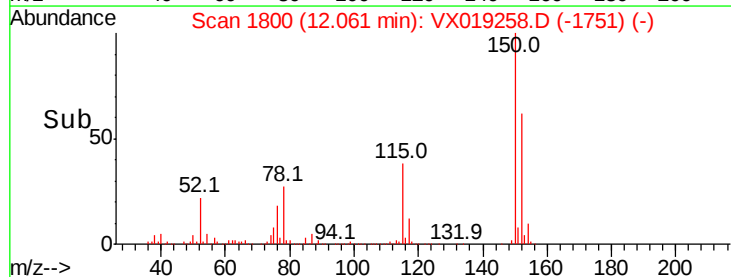
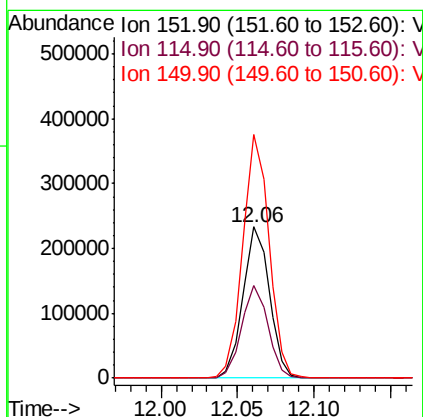
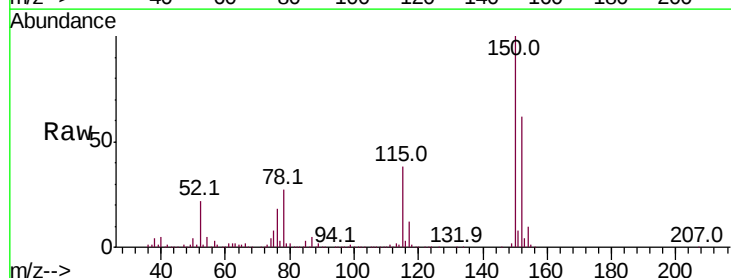
Instrument :
MSVOA_X
ClientSampled :
CRT-19

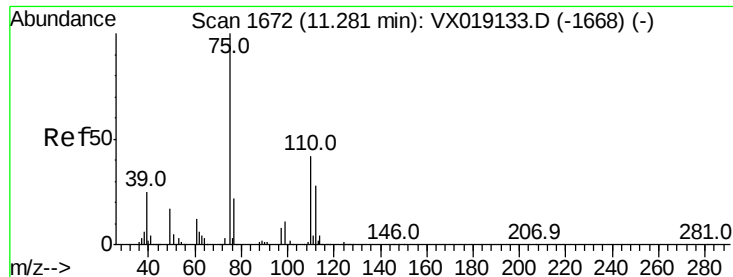
Tot Ion:117 Resp: 549801
Ion Ratio Lower Upper
117 100
82 53.1 43.6 65.4
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019258.D
Acq: 04 Nov 2020 00:52

Tgt Ion:152 Resp: 281061
Ion Ratio Lower Upper
152 100
115 61.1 41.9 125.7
150 159.6 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.140 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

Instrument :

MSVOA_X

ClientSampled :

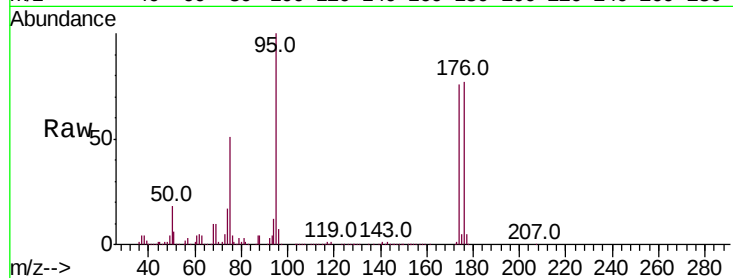
CRT-19

Tot Ion: 75 Resp: 140092

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

120000

100000

80000

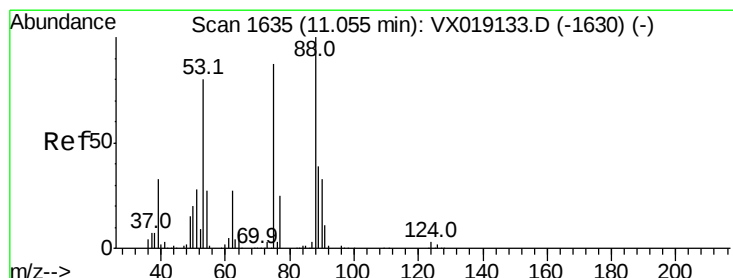
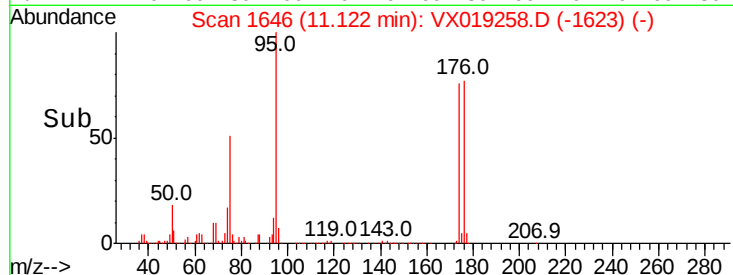
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.560 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

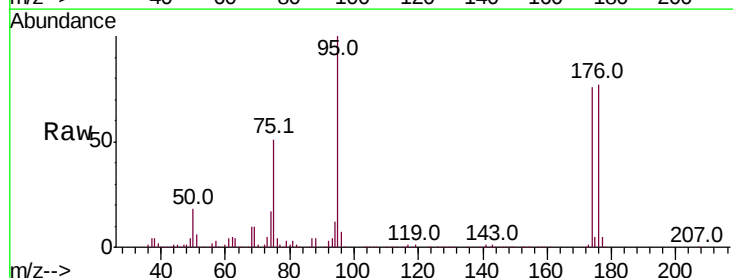
Tgt Ion: 75 Resp: 140092

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#



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

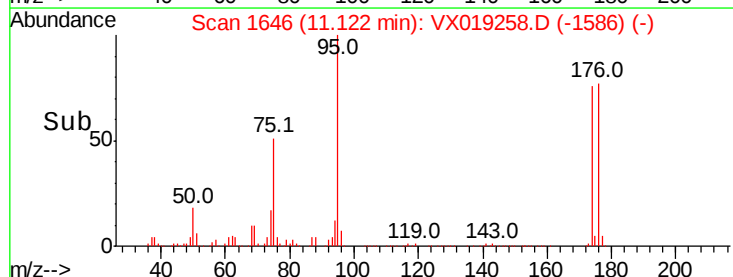
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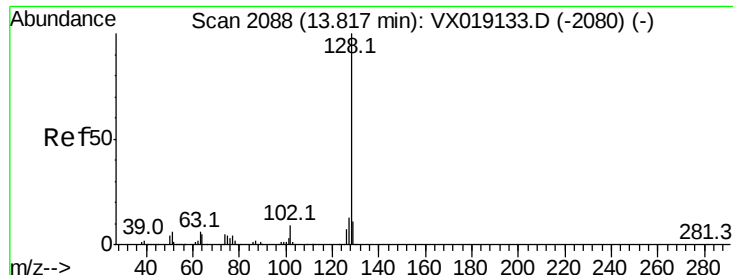
100000

50000

0

Time-->





#95

Naphthalene

Concen: 0.471 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019258.D

Acq: 04 Nov 2020 00:52

Instrument :

MSVOA_X

ClientSampleId :

CRT-19

Tot Ion:128 Resp: 9842

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.4 8.6 13.0

