

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019256.D
 Acq On : 04 Nov 2020 00:08
 Operator : JC/MD
 Sample : L4600-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-17

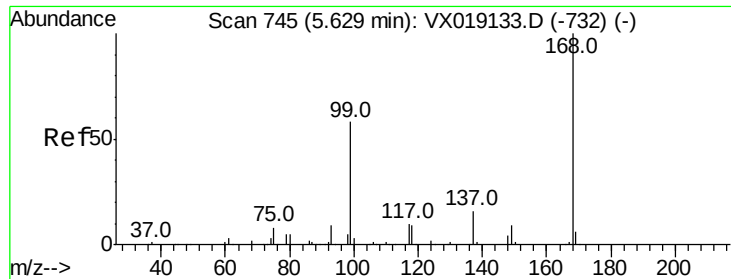
Quant Time: Nov 04 02:26:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	316157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	560947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	554892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	286994	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	218393	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
35) Dibromofluoromethane	5.46	113	176015	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	8.70	98	714546	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
62) 4-Bromofluorobenzene	11.12	95	282200	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	2743	3.406	ug/l #	75
13) Acrolein	2.27	56	49	5.781	ug/l #	1
16) Acetone	2.42	43	13882	9.869	ug/l	96
17) Carbon Disulfide	2.55	76	237	0.787	ug/l #	75
18) Methyl Acetate	2.75	43	2853	0.834	ug/l	98
20) Methylene Chloride	2.84	84	11970	3.390	ug/l	89
25) 2-Butanone	4.65	43	2363	1.066	ug/l	99
29) Tetrahydrofuran	5.10	42	1759	1.259	ug/l #	68
31) Cyclohexane	5.63	56	7005	1.359	ug/l #	25
36) 1,1-Dichloropropene	5.63	75	26118	5.042	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33325	6.312	ug/l #	16
43) Isopropyl Acetate	6.41	43	68931	8.560	ug/l	97
48) Methyl methacrylate	7.65	41	3587	0.925	ug/l #	9
49) 1,4-Dioxane	7.85	88	174	2.019	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	68680	14.839	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	32872	5.220	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	4858	0.771	ug/l #	42
59) 2-Hexanone	9.52	43	60097	17.057	ug/l #	46
74) N-amyl acetate	10.80	43	2860	0.385	ug/l #	43
76) 1,2,3-Trichloropropane	11.12	75	145168	24.498	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	145168	64.502	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: VX019256.D

Acq: 04 Nov 2020 00:08

Instrument :

MSVOA_X

ClientSampled :

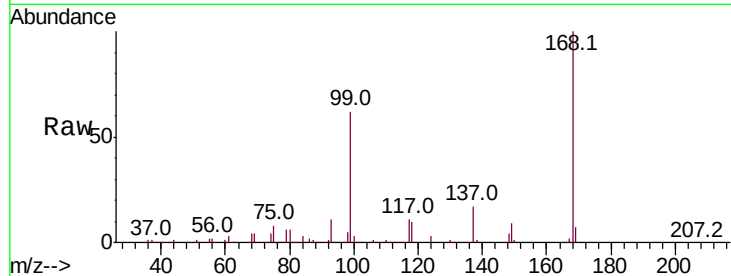
CRT-17

Tot Ion:168 Resp: 316157

Ion Ratio Lower Upper

168 100

99 62.3 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

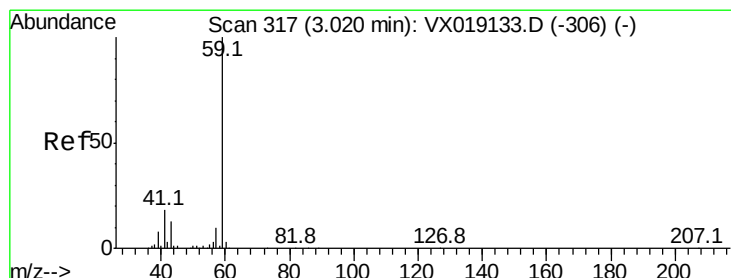
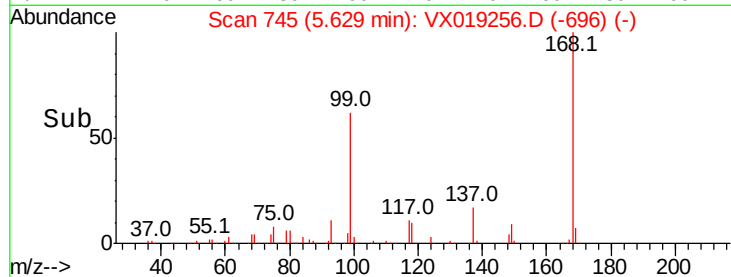
Time-->

5.50

5.60

5.70

5.80



#11

Tert butyl alcohol

Concen: 3.406 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019256.D

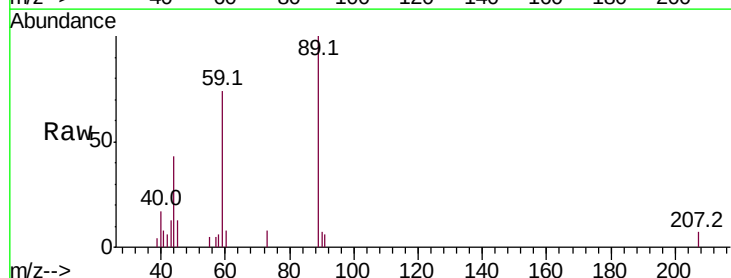
Acq: 04 Nov 2020 00:08

Tgt Ion: 59 Resp: 2743

Ion Ratio Lower Upper

59 100

57 1.0 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

1200

1000

800

600

400

200

0

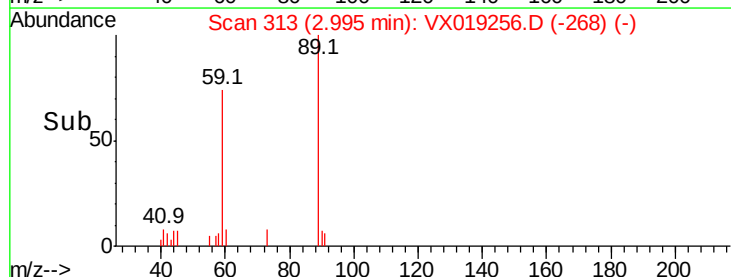
Time-->

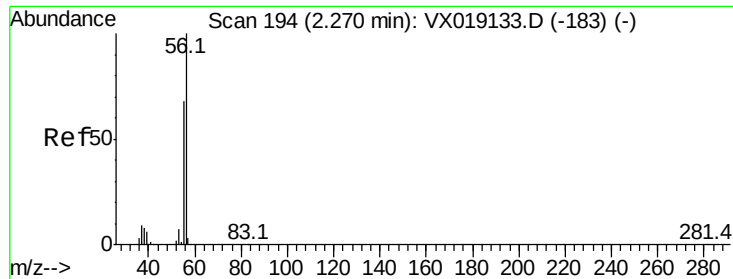
2.90

2.95

3.00

3.05





#13

Acrolein

Concen: 5.781 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

Instrument :

MSVOA_X

ClientSampled :

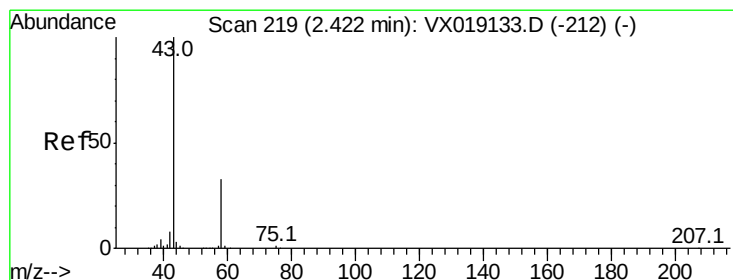
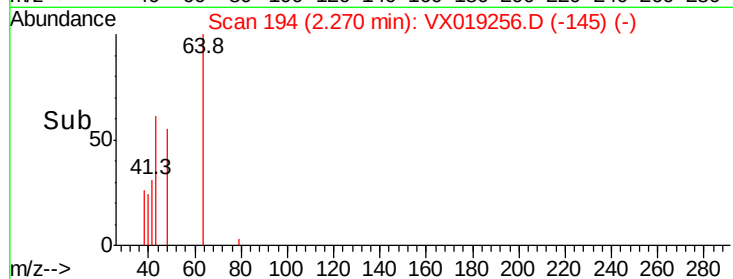
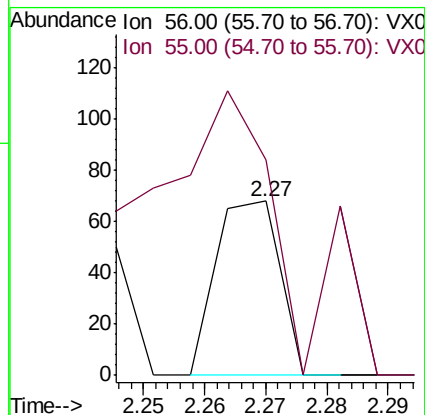
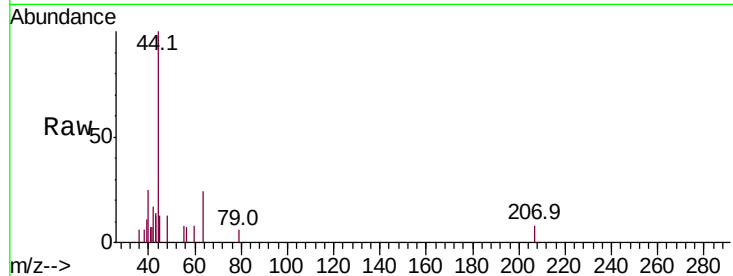
CRT-17

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 308.2 54.7 82.1#



#16

Acetone

Concen: 9.869 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019256.D

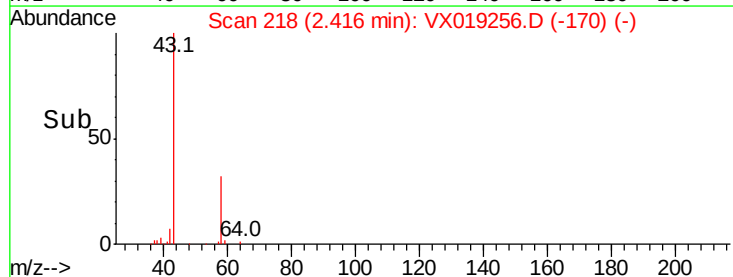
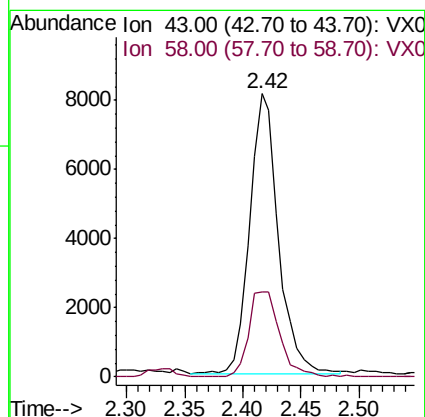
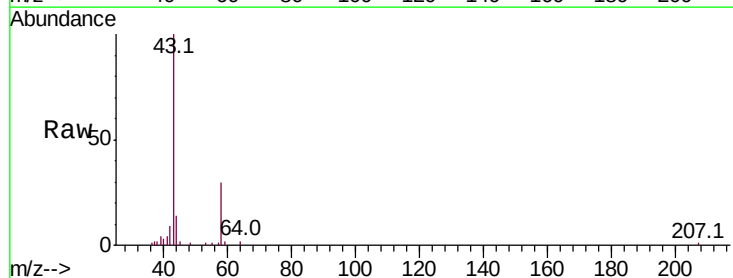
Acq: 04 Nov 2020 00:08

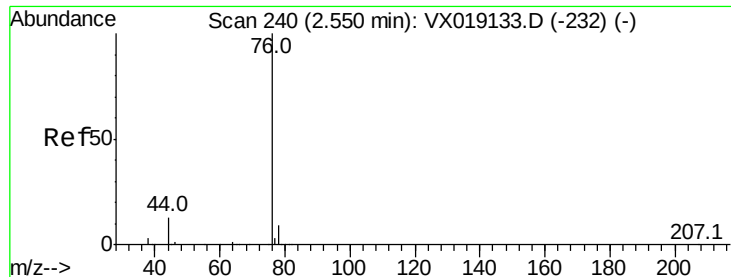
Tgt Ion: 43 Resp: 13882

Ion Ratio Lower Upper

43 100

58 30.5 26.3 39.5





#17

Carbon Disulfide

Concen: 0.787 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

Instrument :

MSVOA_X

ClientSampled :

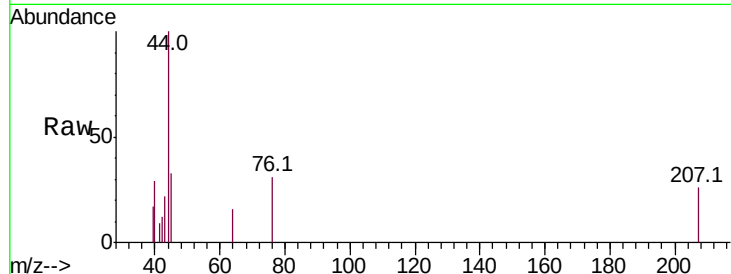
CRT-17

Tot Ion: 76 Resp: 237

Ion Ratio Lower Upper

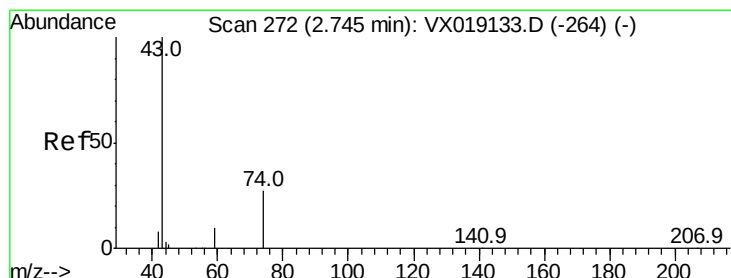
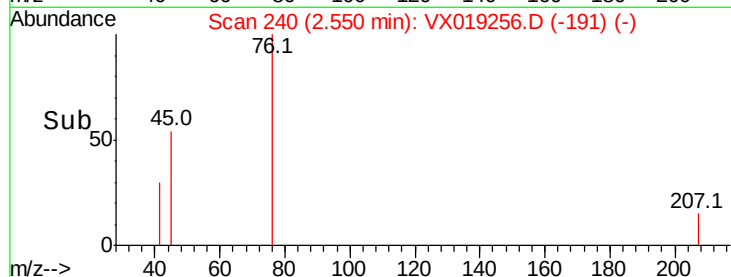
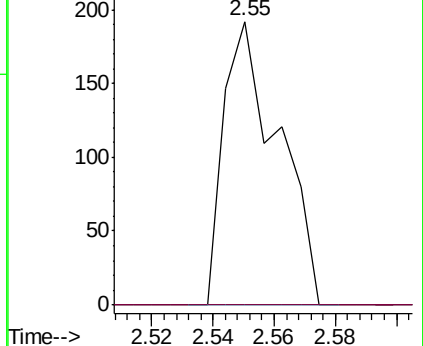
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.834 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019256.D

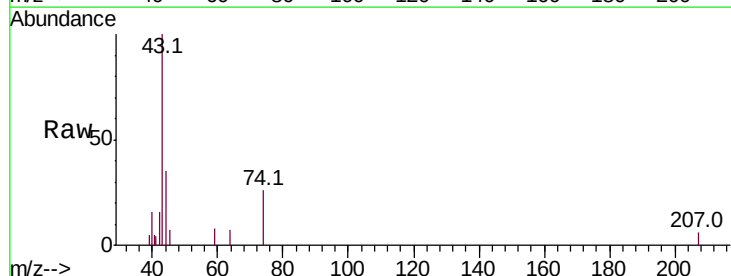
Acq: 04 Nov 2020 00:08

Tgt Ion: 43 Resp: 2853

Ion Ratio Lower Upper

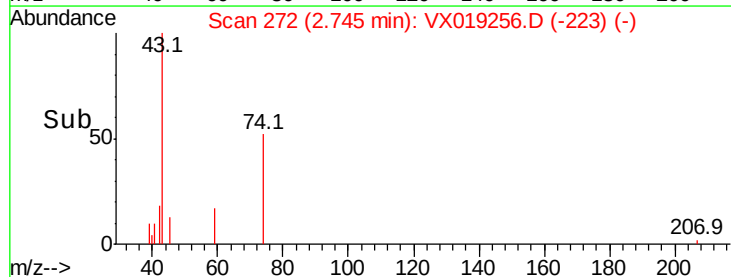
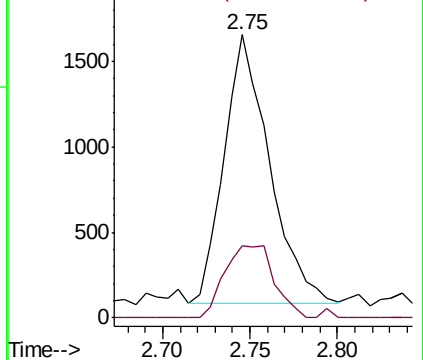
43 100

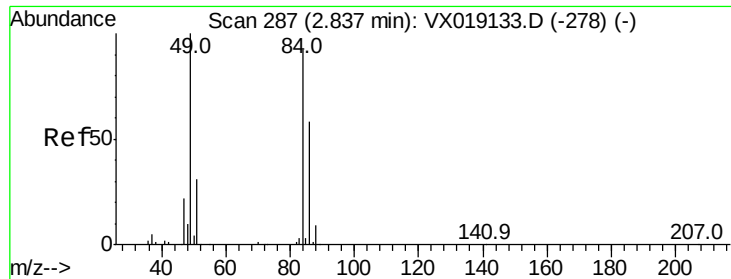
74 29.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

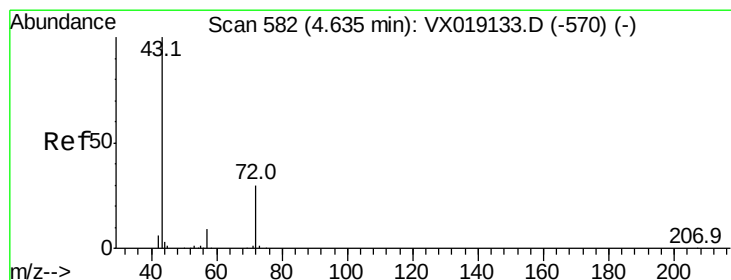
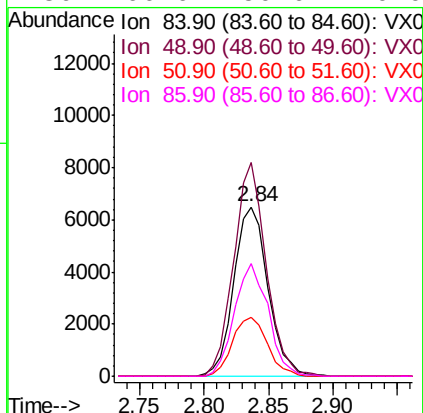
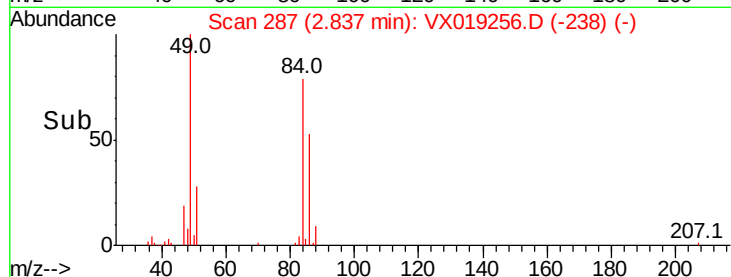
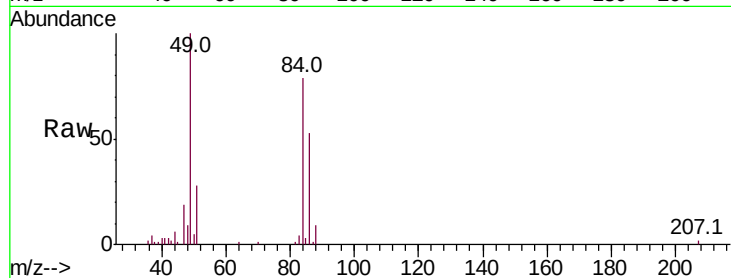




#20
Methvlene Chloride
Concen: 3.390 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

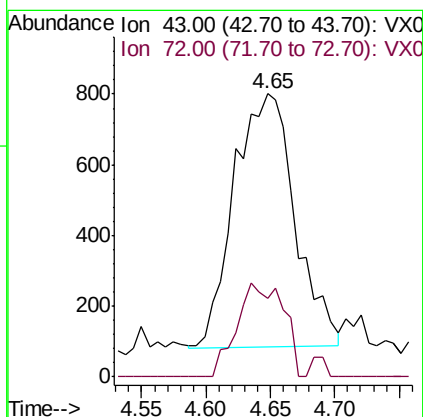
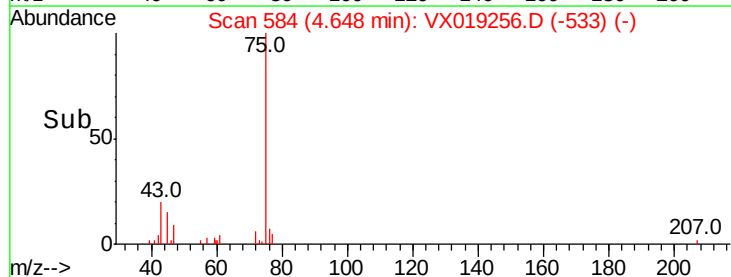
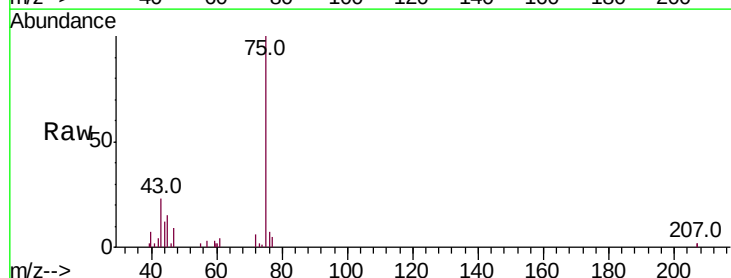
Instrument :
MSVOA_X
ClientSampled :
CRT-17

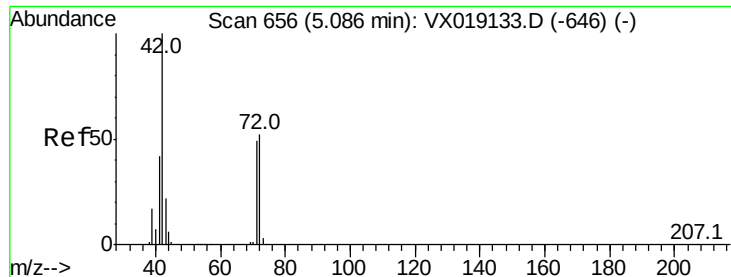
Tot Ion:	84	Resp:	11970
Ion	Ratio	Lower	Upper
84	100		
49	126.3	86.8	130.2
51	35.1	27.3	40.9
86	66.6	50.6	76.0



#25
2-Butanone
Concen: 1.066 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

Tgt Ion:	43	Resp:	2363
Ion	Ratio	Lower	Upper
43	100		
72	31.4	24.6	36.8





#29

Tetrahydrofuran

Concen: 1.259 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

Instrument :

MSVOA_X

ClientSampleId :

CRT-17

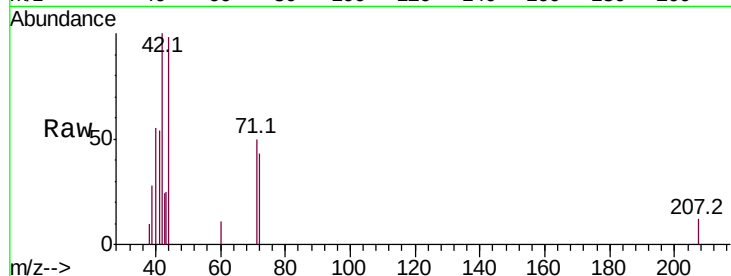
Tot Ion: 42 Resp: 1759

Ion Ratio Lower Upper

42 100

72 38.1 42.6 63.8#

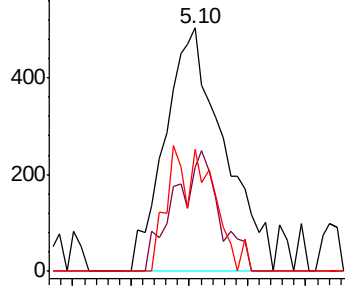
71 19.8 39.7 59.5#



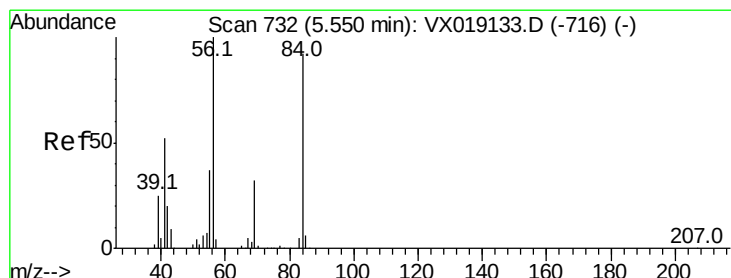
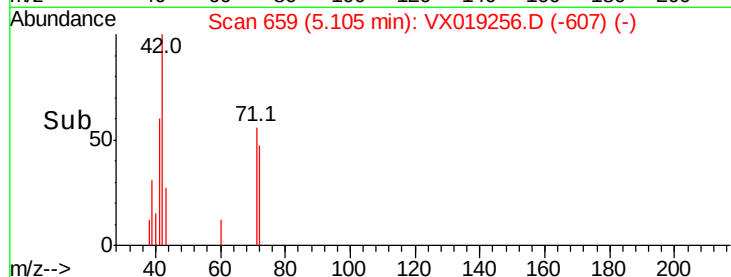
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.359 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

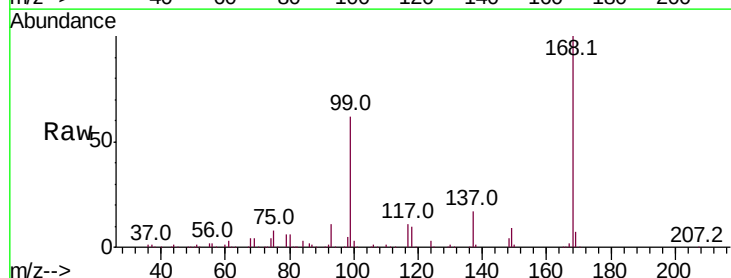
Tgt Ion: 56 Resp: 7005

Ion Ratio Lower Upper

56 100

69 156.6 25.9 38.9#

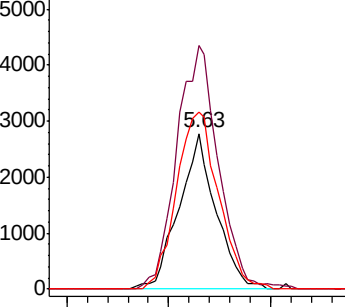
84 113.9 73.4 110.2#



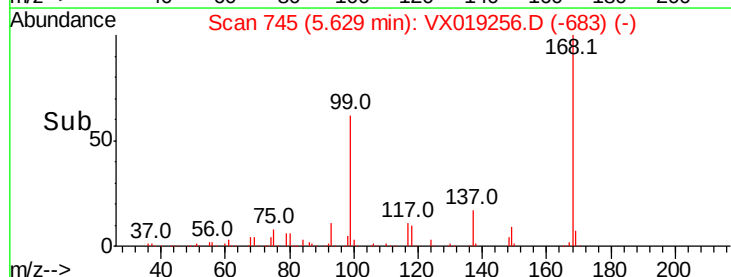
Abundance Ion 56.00 (55.70 to 56.70): VX0

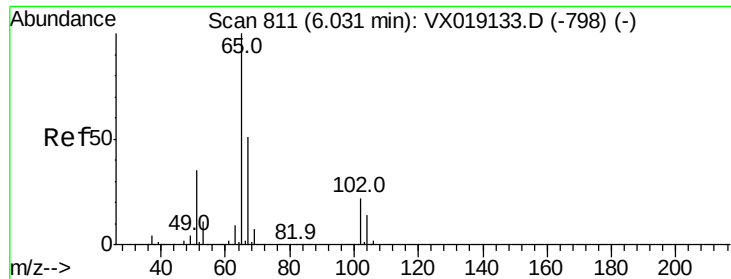
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

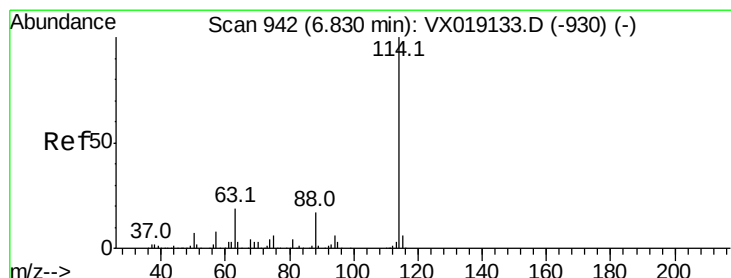
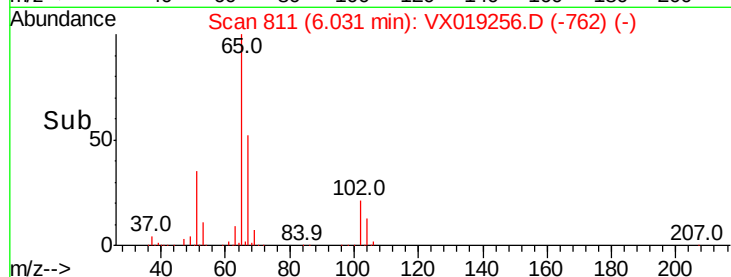
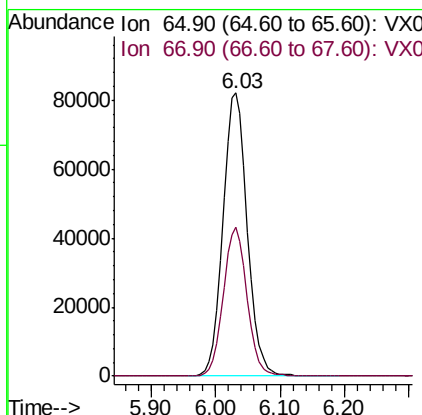
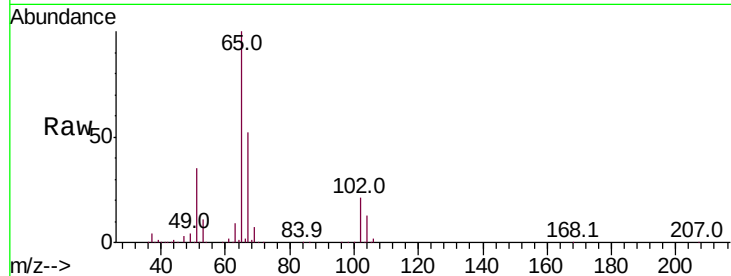




#33
 1,2-Dichloroethane-d4
 Concen: 53.564 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019256.D
 Acq: 04 Nov 2020 00:08

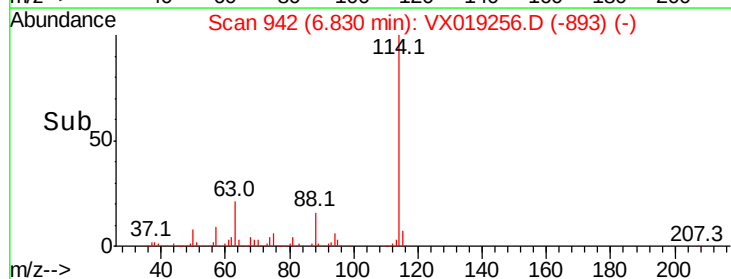
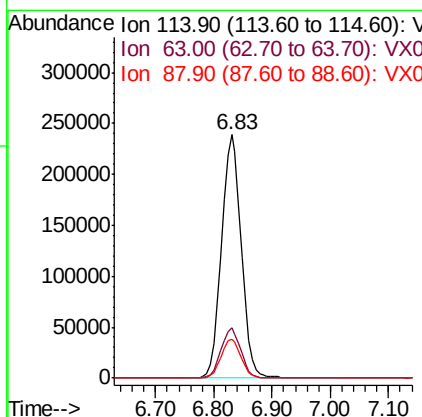
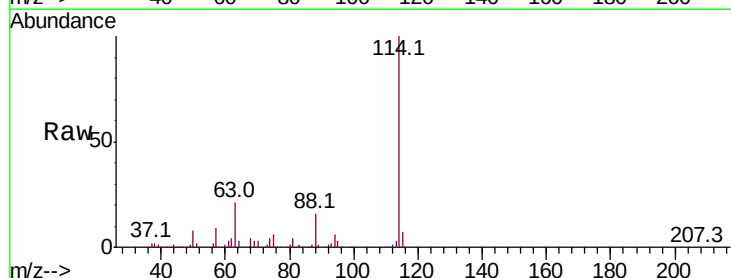
Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-17

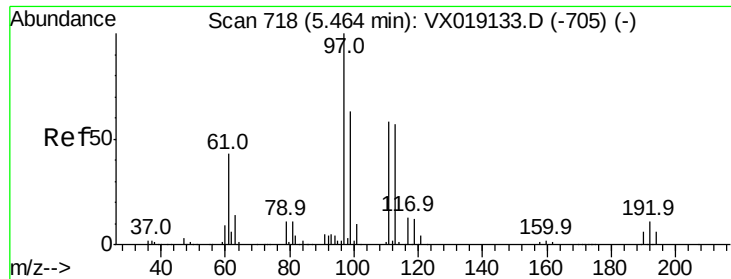
Tot Ion: 65 Resp: 218393
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019256.D
 Acq: 04 Nov 2020 00:08

Tgt Ion: 114 Resp: 560947
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.8
 88 16.0 0.0 34.2

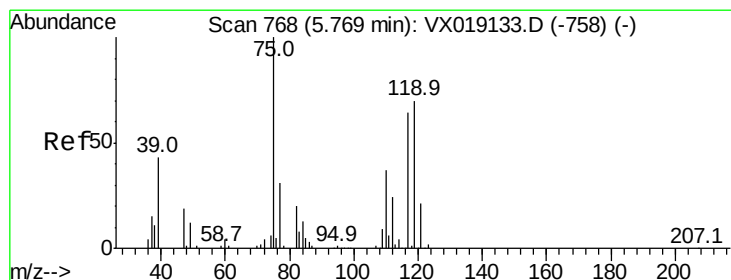
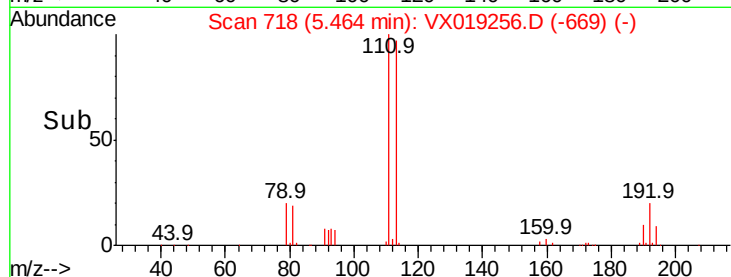
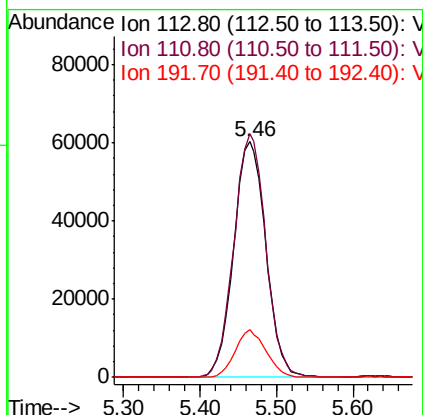
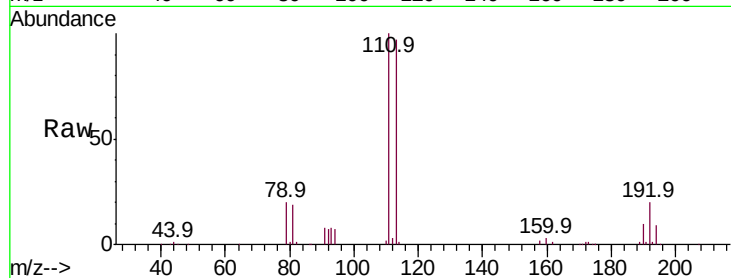




#35
 Dibromofluoromethane
 Concen: 49.954 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX019256.D
 Acq: 04 Nov 2020 00:08

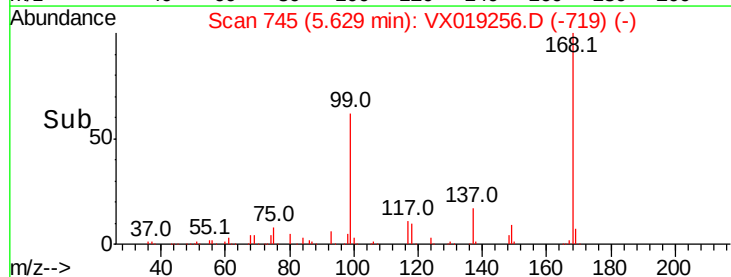
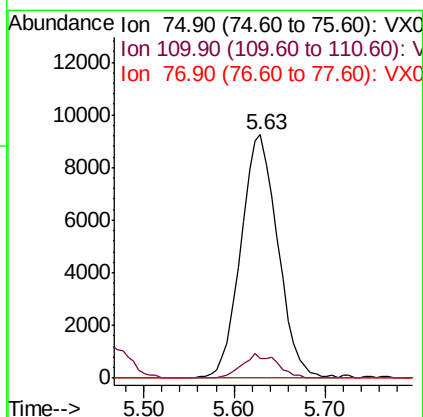
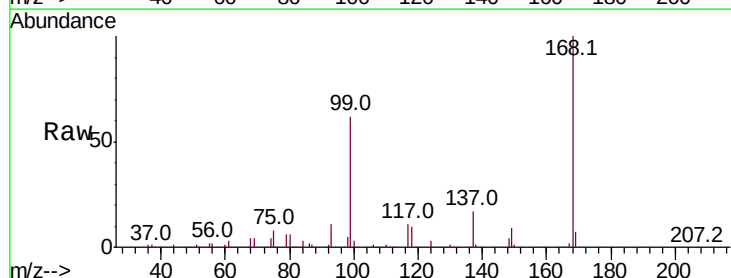
Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-17

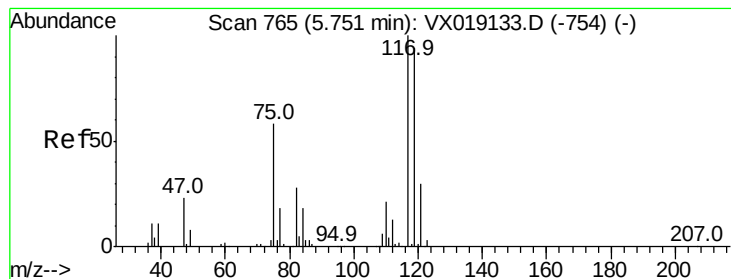
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.3	123.5
192	19.5	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.042 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019256.D
 Acq: 04 Nov 2020 00:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.312 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

Instrument :

MSVOA_X

ClientSampleId :

CRT-17

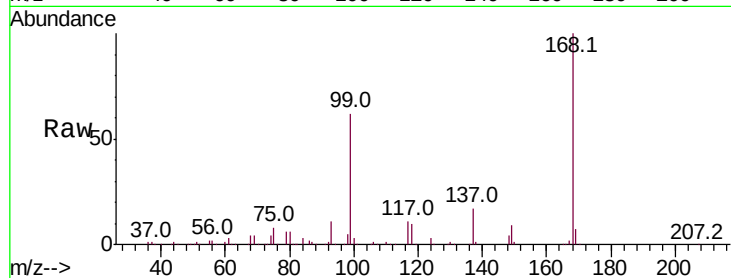
Tot Ion:117 Resp: 33325

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

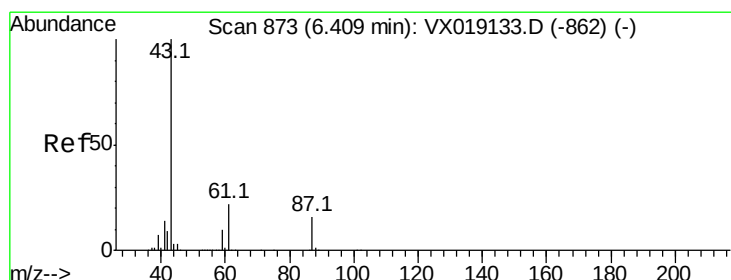
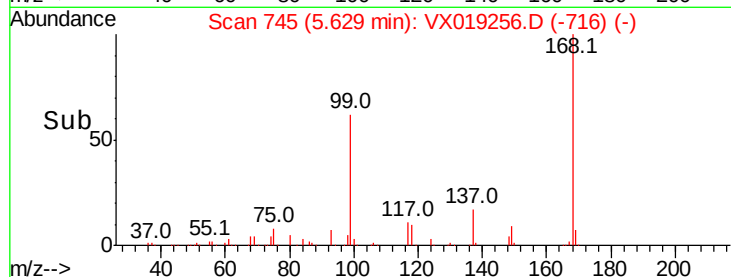
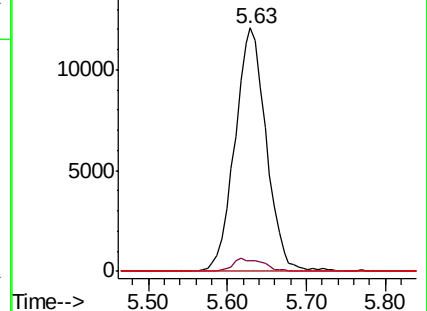
121 0.0 23.9 35.9#



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: 8.560 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

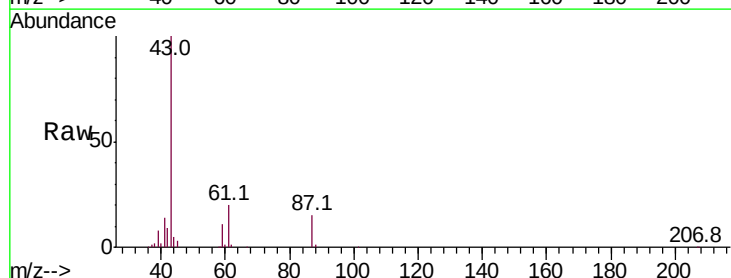
Tgt Ion: 43 Resp: 68931

Ion Ratio Lower Upper

43 100

61 21.1 17.8 26.6

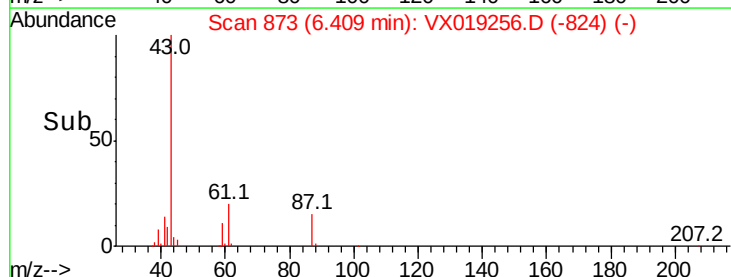
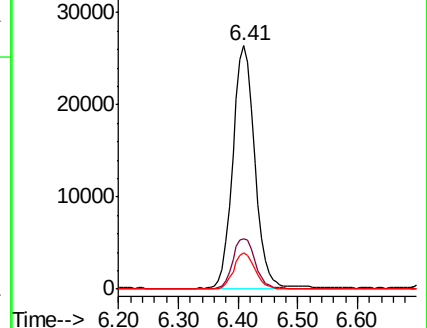
87 14.4 12.6 19.0

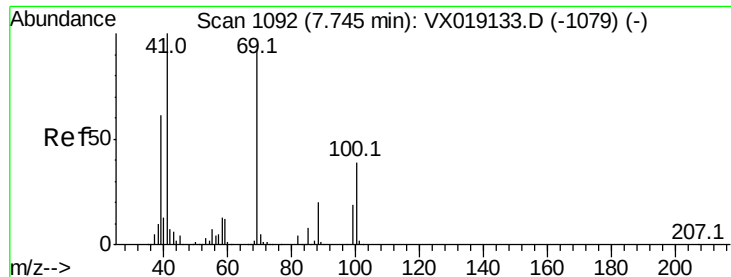


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

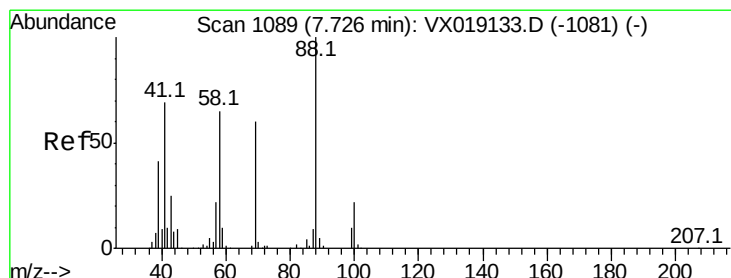
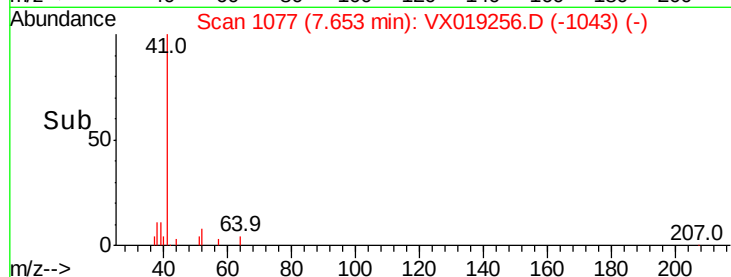
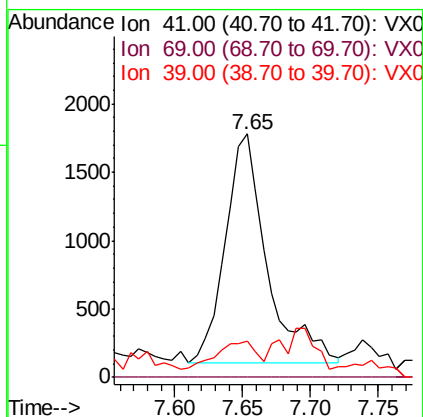
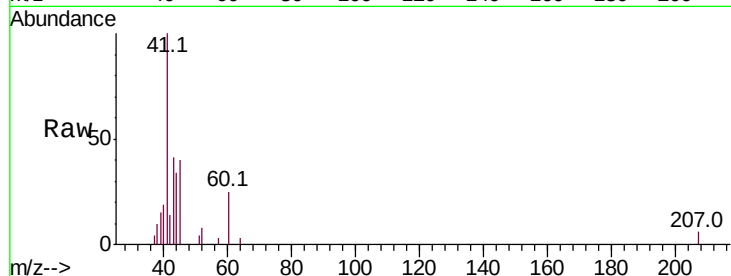




#48
Methvl methacrylate
Concen: 0.925 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

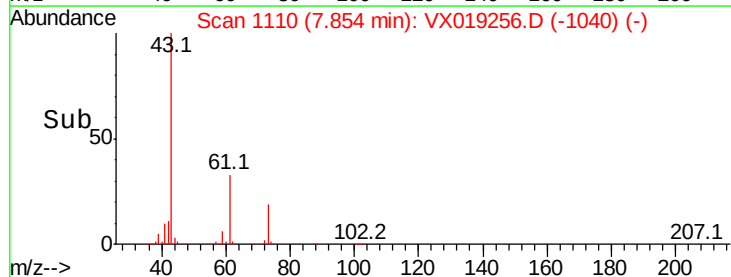
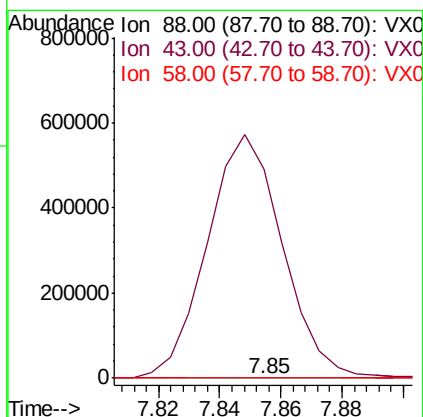
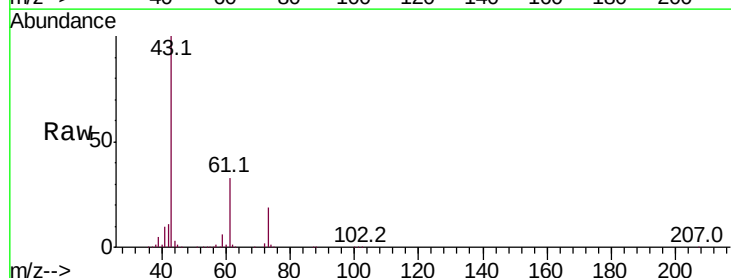
Instrument :
MSVOA_X
ClientSampled :
CRT-17

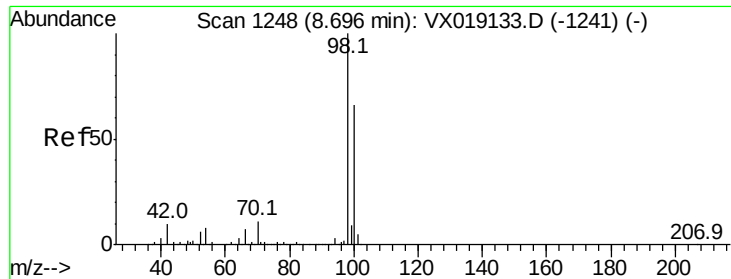
Tot Ion: 41 Resp: 3587
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 2.019 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.13 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

Tgt Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 565764.4 23.0 34.6#
58 2689.1 52.2 78.2#

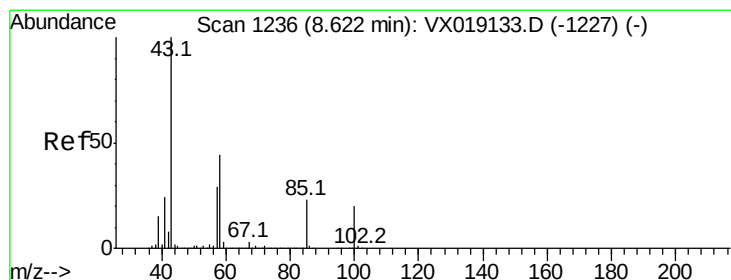
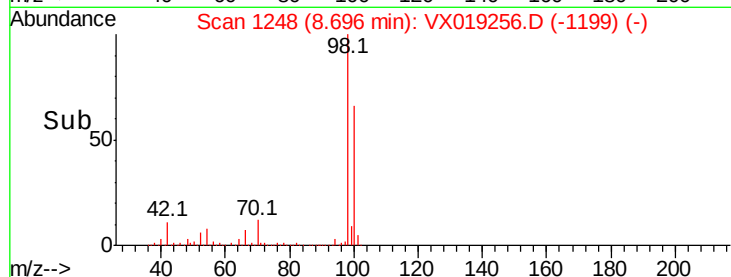
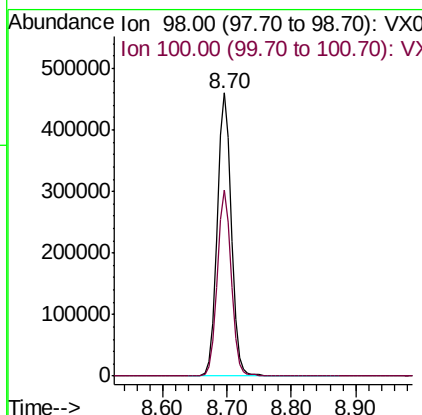
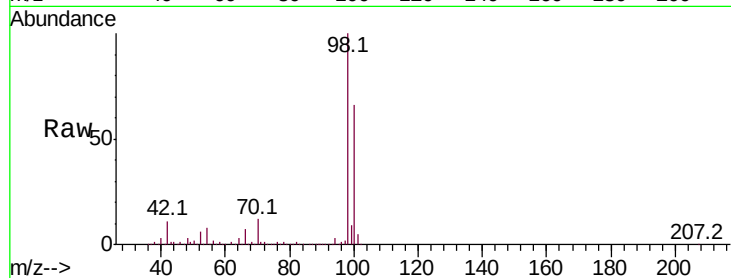




#50
Toluene-d8
Concen: 53.796 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

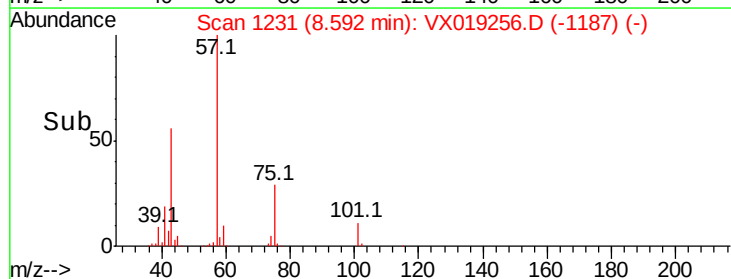
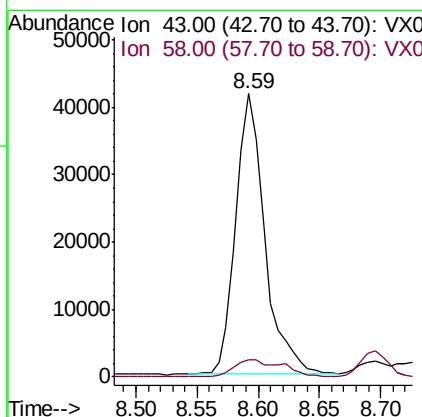
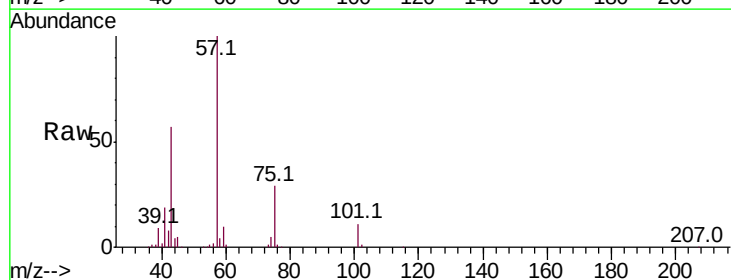
Instrument :
MSVOA_X
ClientSampled :
CRT-17

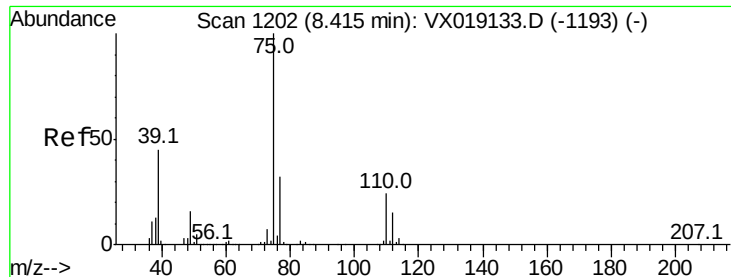
Tot Ion: 98 Resp: 714546
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 14.839 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

Tgt Ion: 43 Resp: 68680
Ion Ratio Lower Upper
43 100
58 10.2 35.0 52.4#



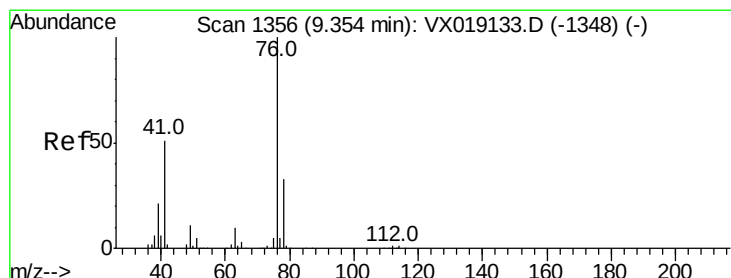
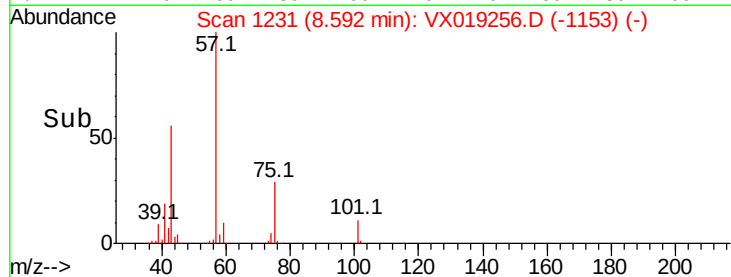
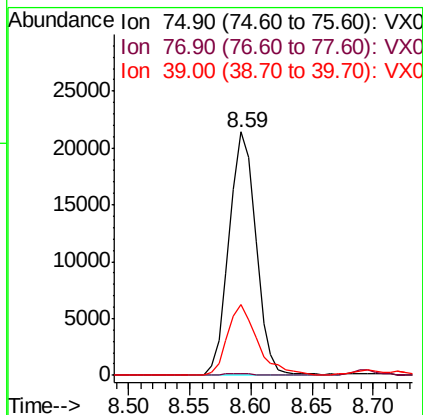
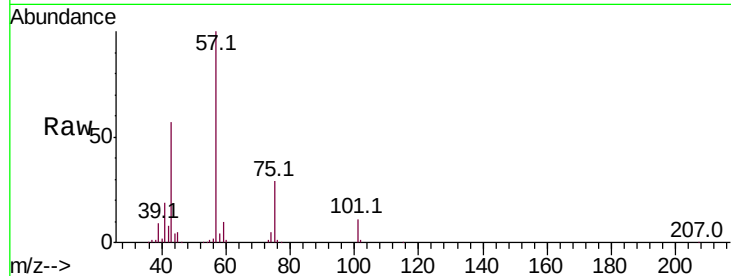


#54

cis-1,3-Dichloropropene
 Concen: 5.220 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019256.D
 Acq: 04 Nov 2020 00:08

Instrument :
 MSVOA_X
 ClientSampled :
 CRT-17

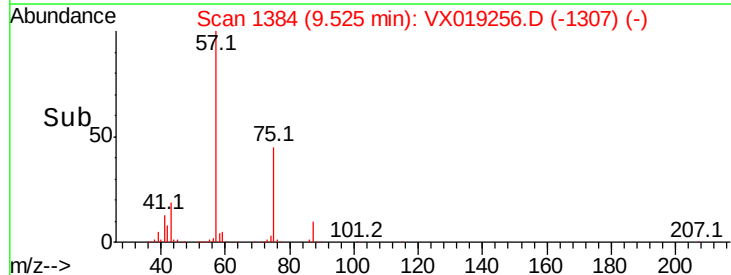
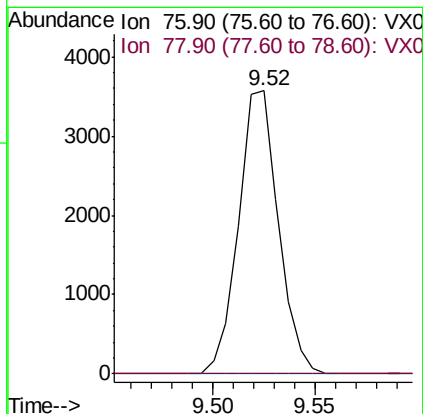
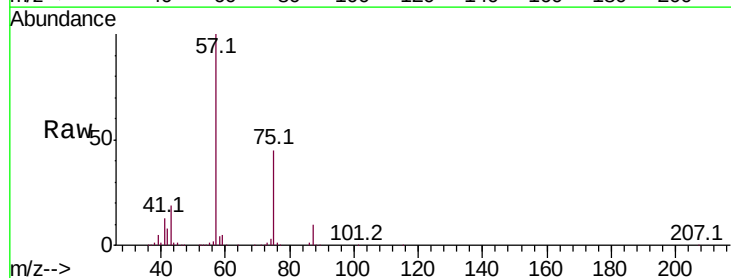
Tot Ion: 75 Resp: 32872
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.5 38.3#
 39 29.2 36.2 54.2#

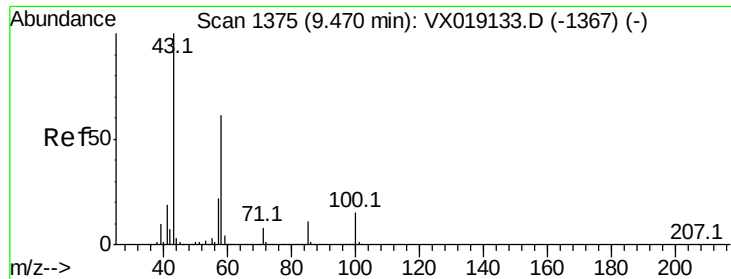


#57

1,3-Dichloropropane
 Concen: 0.771 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019256.D
 Acq: 04 Nov 2020 00:08

Tgt Ion: 76 Resp: 4858
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

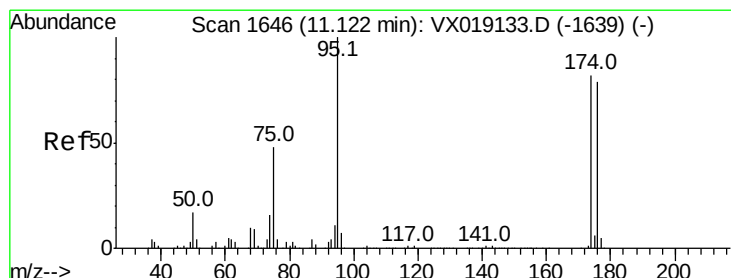
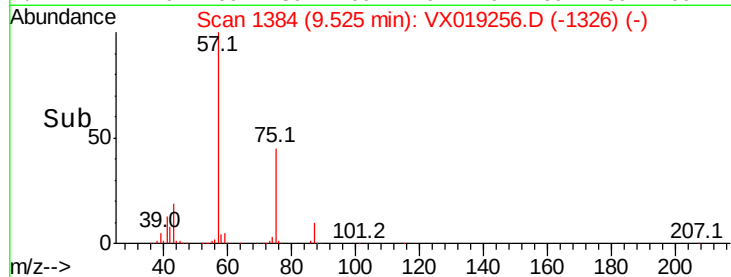
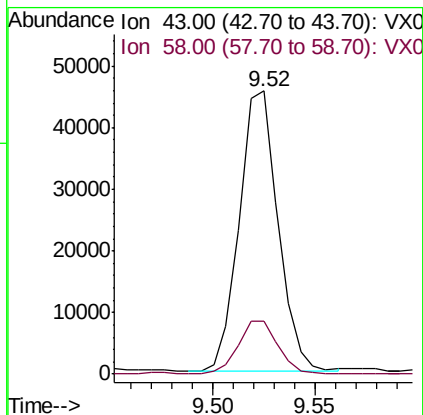
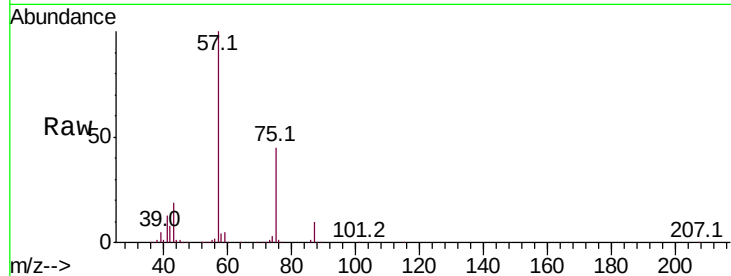




#59
2-Hexanone
Concen: 17.057 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

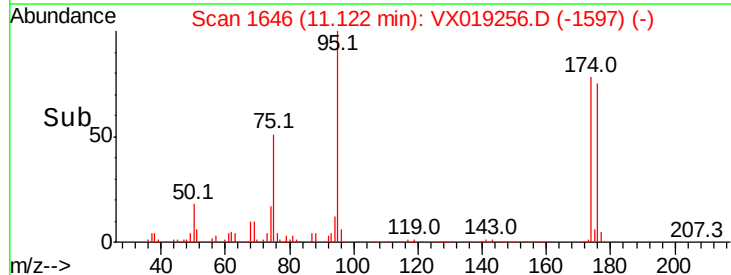
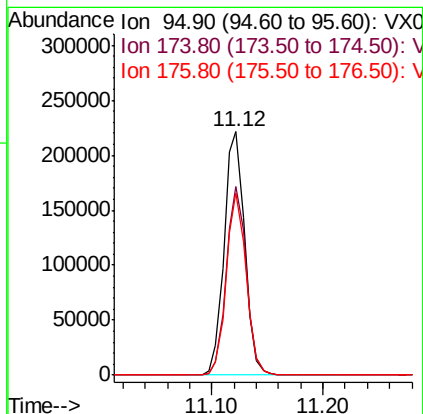
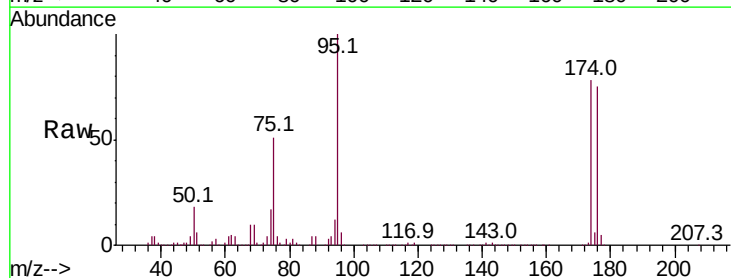
Instrument :
MSVOA_X
ClientSampled :
CRT-17

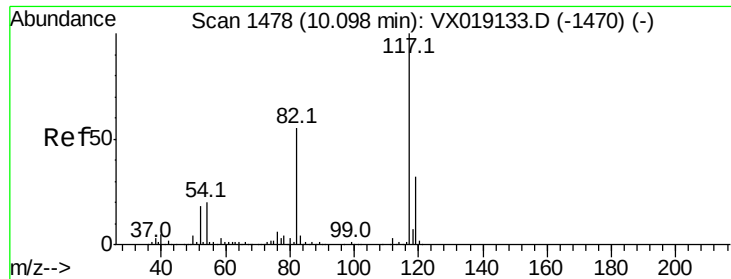
Tot Ion: 43 Resp: 60097
Ion Ratio Lower Upper
43 100
58 20.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 56.102 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

Tgt Ion: 95 Resp: 282200
Ion Ratio Lower Upper
95 100
174 75.8 0.0 156.0
176 72.6 0.0 149.8

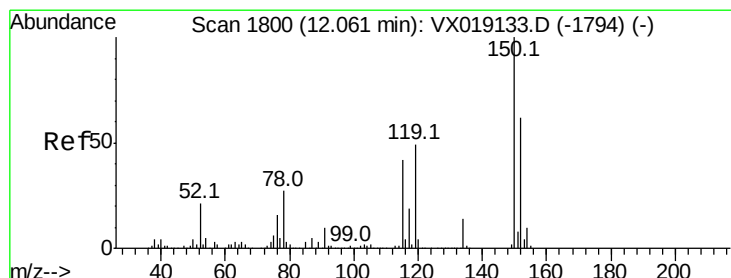
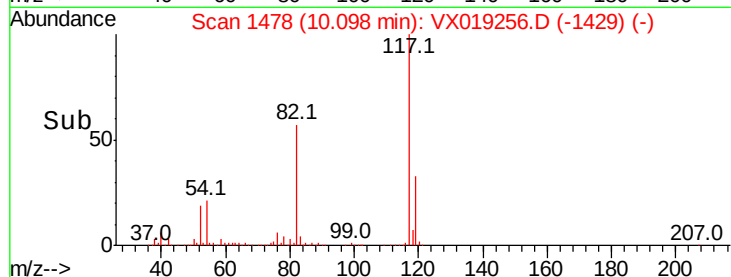
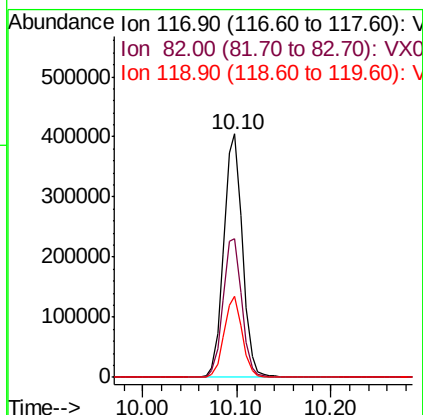
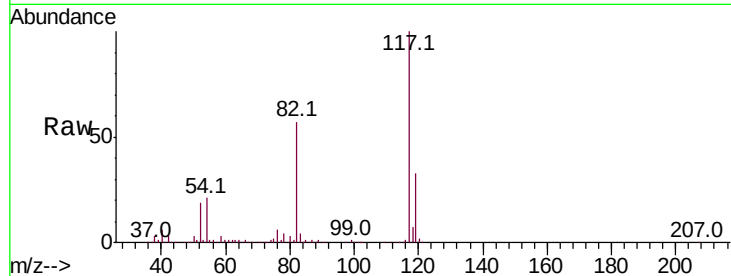




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

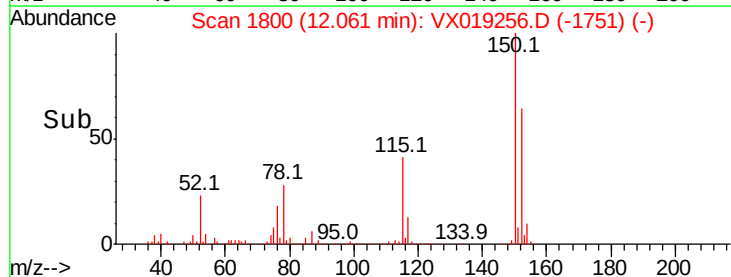
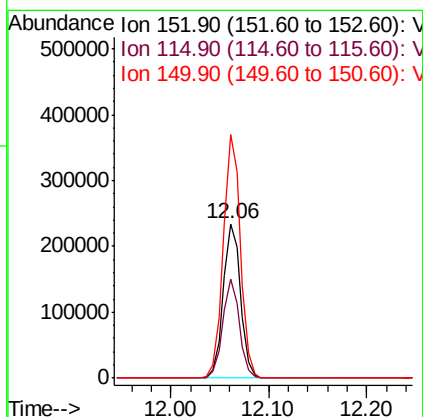
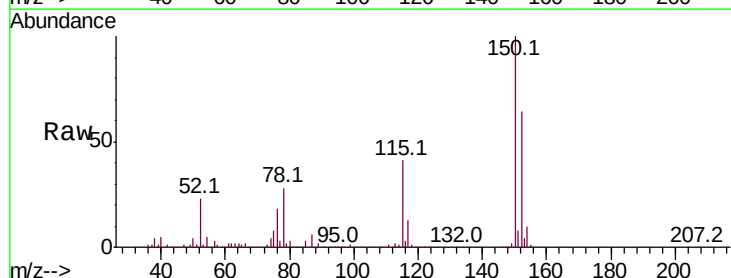
Instrument :
MSVOA_X
ClientSampled :
CRT-17

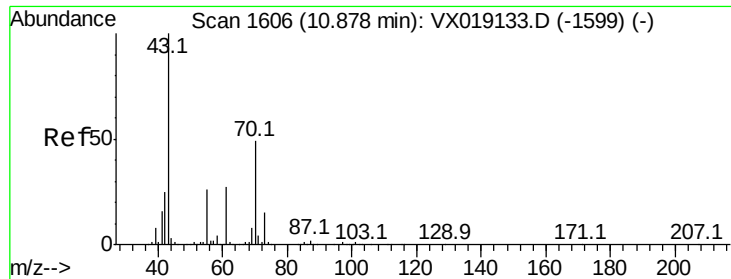
Tot Ion:117 Resp: 554892
Ion Ratio Lower Upper
117 100
82 56.7 43.6 65.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019256.D
Acq: 04 Nov 2020 00:08

Tgt Ion:152 Resp: 286994
Ion Ratio Lower Upper
152 100
115 61.7 41.9 125.7
150 156.1 0.0 347.8





#74

N-amvl acetate

Concen: 0.385 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

Instrument :

MSVOA_X

ClientSampleId :

CRT-17

Tot Ion: 43 Resp: 2860

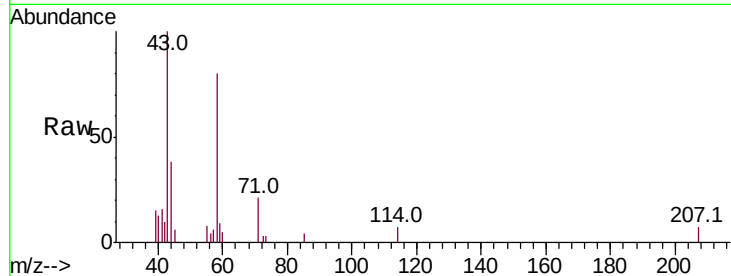
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 10.0 20.7 31.1#

61 0.0 21.9 32.9#

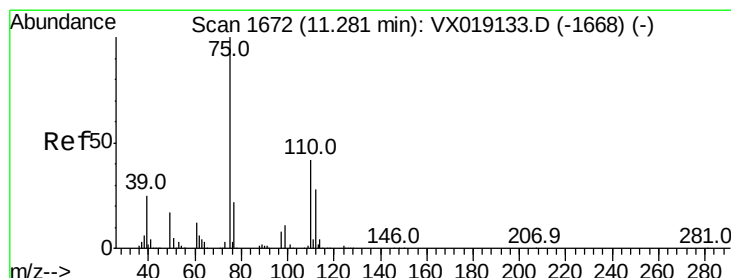
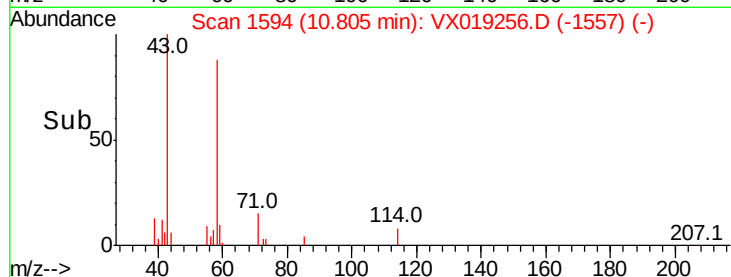
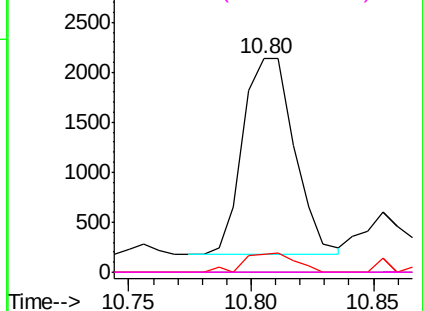


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.498 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019256.D

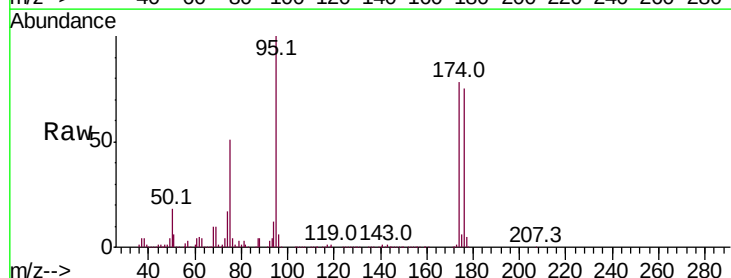
Acq: 04 Nov 2020 00:08

Tgt Ion: 75 Resp: 145168

Ion Ratio Lower Upper

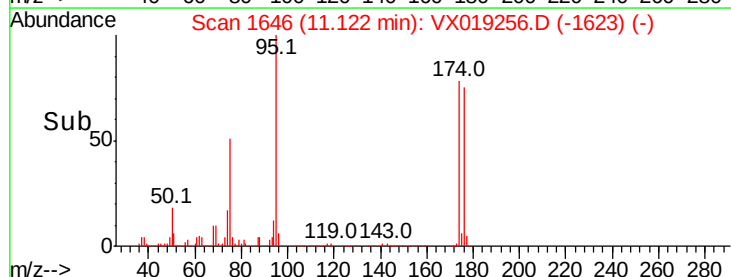
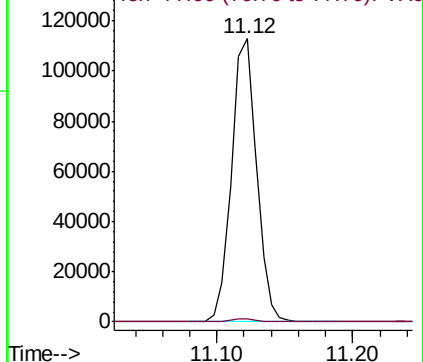
75 100

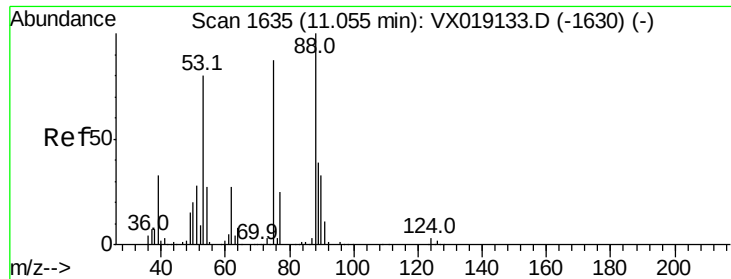
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.502 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019256.D

Acq: 04 Nov 2020 00:08

Instrument :

MSVOA_X

ClientSampleId :

CRT-17

Tot Ion: 75 Resp: 145168

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

