

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019252.D
 Acq On : 03 Nov 2020 22:38
 Operator : JC/MD
 Sample : PB132784ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132784ZHE#02

Quant Time: Nov 04 02:26:07 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	321150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	562939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	559621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	291744	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	219347	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	5.46	113	174220	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.70	98	717195	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	11.12	95	277935	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

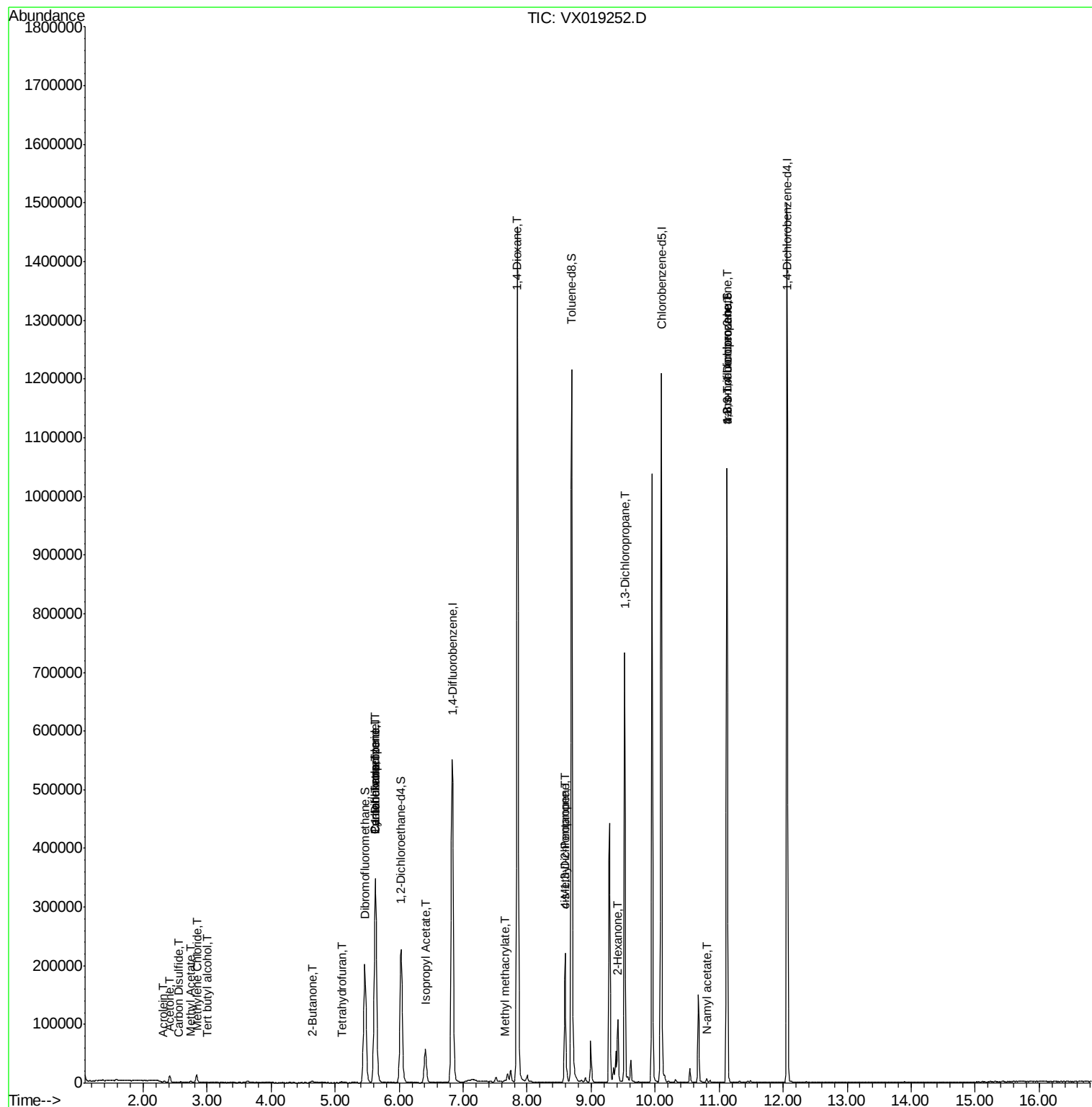
Target Compounds						Qvalue
11) Tert butyl alcohol	3.00	59	902	1.103	ug/l #	72
13) Acrolein	2.31	56	19	5.699	ug/l #	16
16) Acetone	2.42	43	11621	8.133	ug/l	97
17) Carbon Disulfide	2.55	76	321	0.795	ug/l #	75
18) Methyl Acetate	2.75	43	3022	0.870	ug/l	96
20) Methylene Chloride	2.84	84	6205	1.730	ug/l	98
25) 2-Butanone	4.64	43	2587	1.149	ug/l #	83
29) Tetrahydrofuran	5.10	42	1538	1.084	ug/l #	84
31) Cyclohexane	5.63	56	6790	1.297	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	25443	4.894	ug/l #	50
38) Carbon Tetrachloride	5.63	117	32461	6.126	ug/l #	17
43) Isopropyl Acetate	6.41	43	75539	9.347	ug/l	98
48) Methyl methacrylate	7.65	41	3727	0.958	ug/l #	9
49) 1,4-Dioxane	7.85	88	246	2.844	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	74525	16.044	ug/l #	43
54) cis-1,3-Dichloropropene	8.59	75	36609	5.793	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	6293	0.995	ug/l #	42
59) 2-Hexanone	9.41	43	69051	19.529	ug/l #	20
74) N-amyl acetate	10.80	43	3258	0.431	ug/l #	43
76) 1,2,3-Trichloropropane	11.12	75	143394	23.804	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	143394	62.676	ug/l #	12

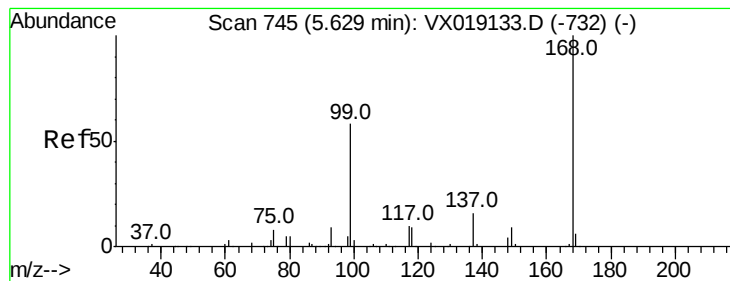
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019252.D

Acq: 03 Nov 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

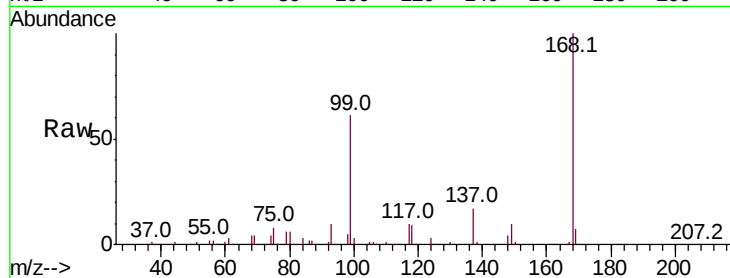
PB132784ZHE#02

Tot Ion:168 Resp: 321150

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

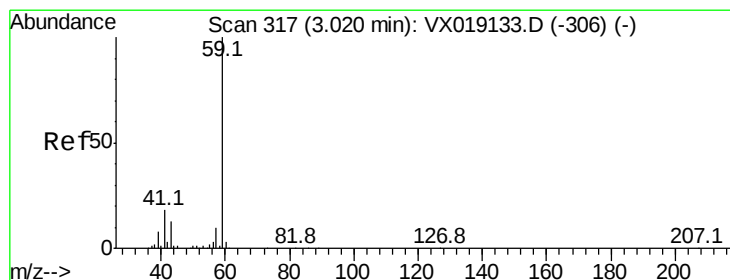
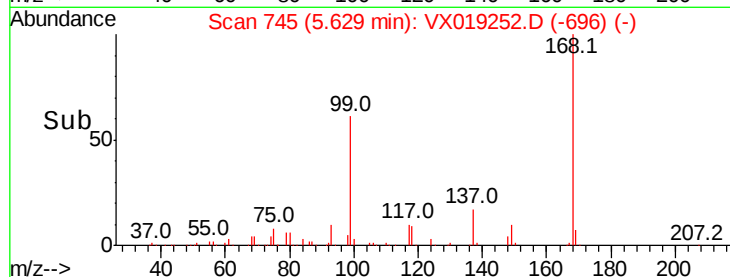
5.63

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.103 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019252.D

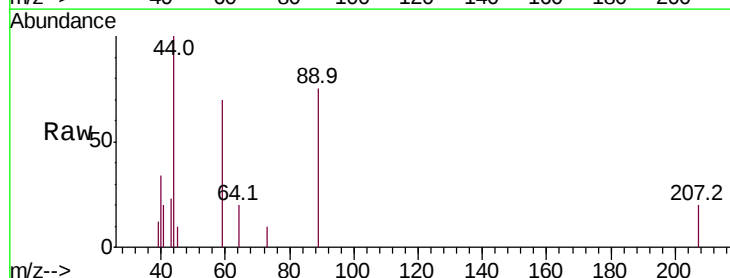
Acq: 03 Nov 2020 22:38

Tgt Ion: 59 Resp: 902

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

400

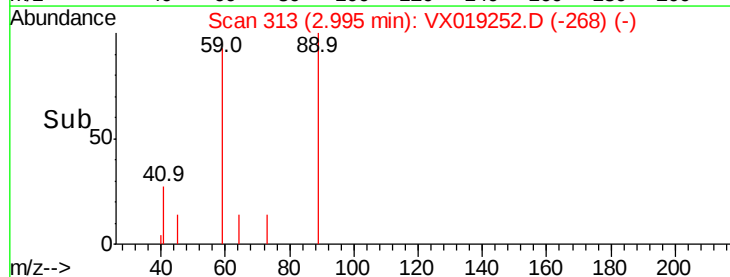
300

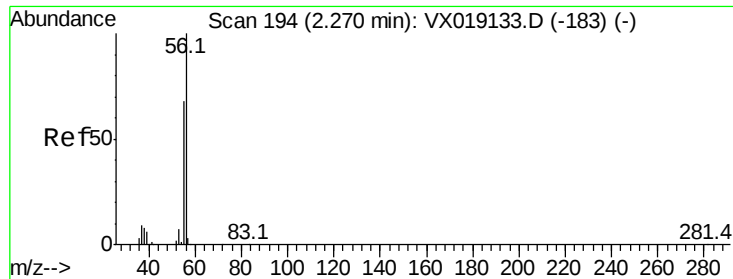
200

100

0

Time-->





#13

Acrolein

Concen: 5.699 ug/l

RT: 2.31 min Scan# 200

Delta R.T. 0.04 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

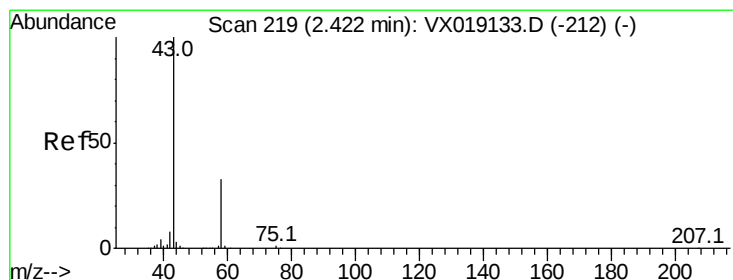
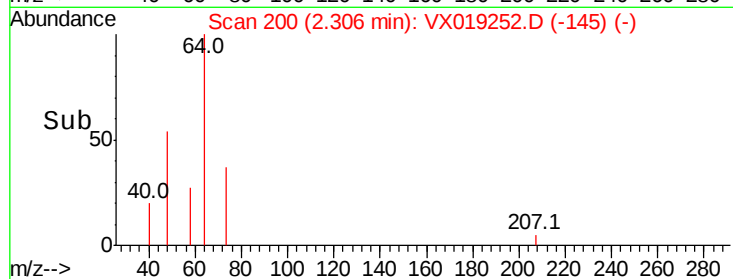
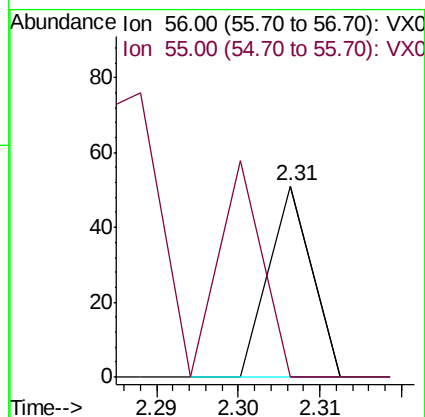
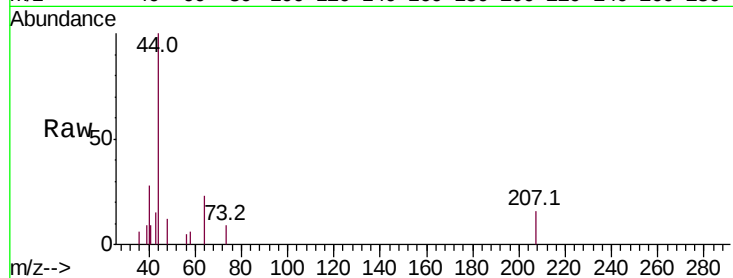
PB132784ZHE#02

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 8.133 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019252.D

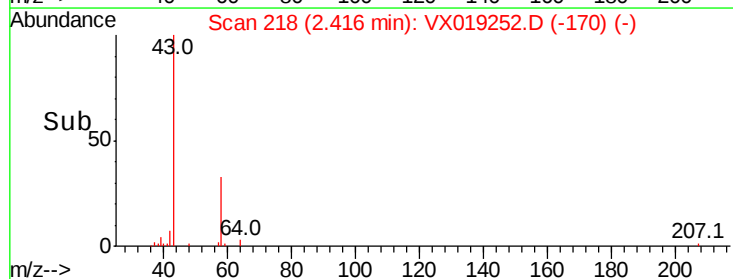
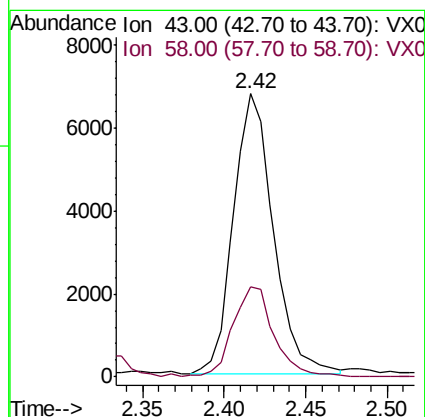
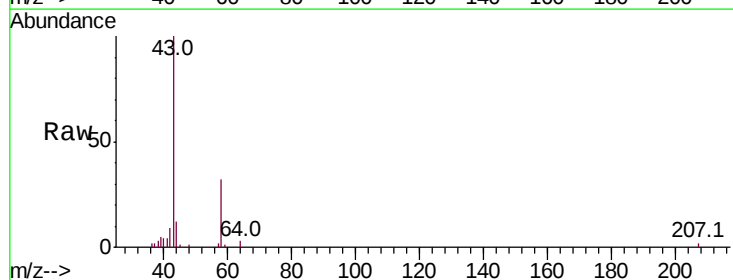
Acq: 03 Nov 2020 22:38

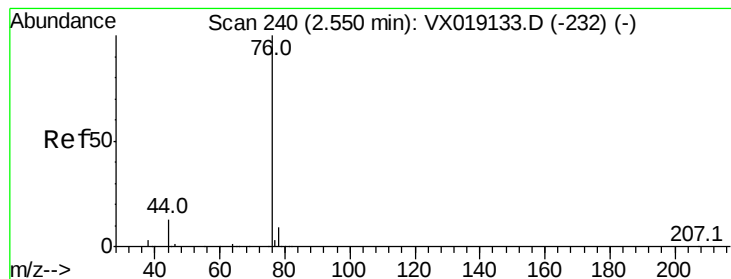
Tgt Ion: 43 Resp: 11621

Ion Ratio Lower Upper

43 100

58 31.4 26.3 39.5





#17

Carbon Disulfide

Concen: 0.795 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

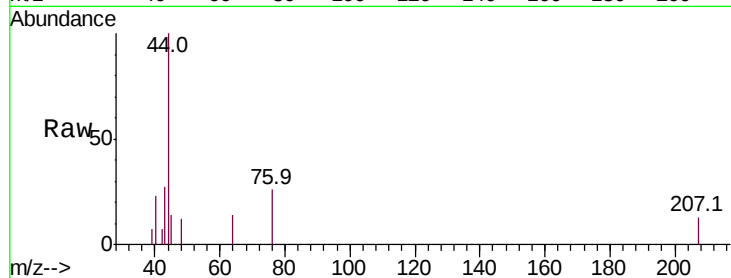
PB132784ZHE#02

Tot Ion: 76 Resp: 321

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

2.55

200

150

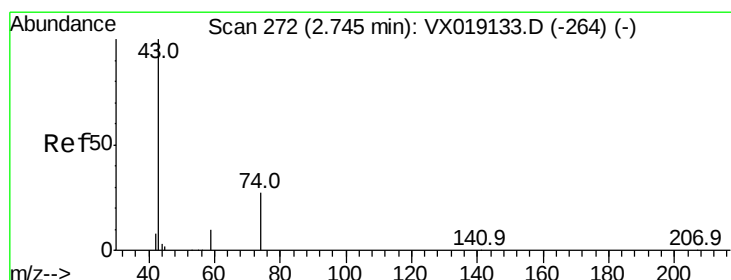
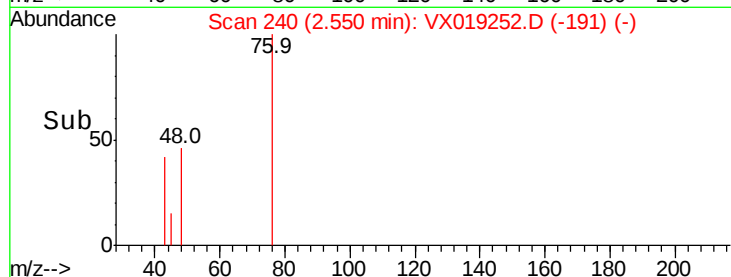
100

50

0

2.52 2.54 2.56 2.58

Time-->



#18

Methyl Acetate

Concen: 0.870 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019252.D

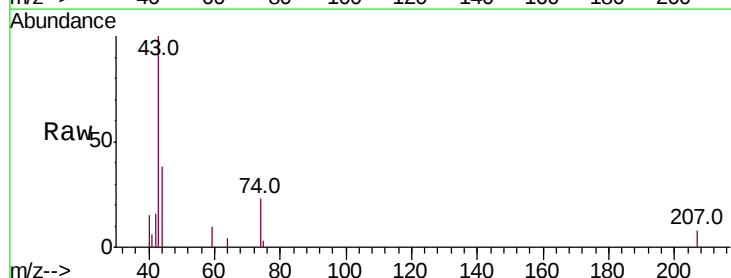
Acq: 03 Nov 2020 22:38

Tgt Ion: 43 Resp: 3022

Ion Ratio Lower Upper

43 100

74 26.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

1500

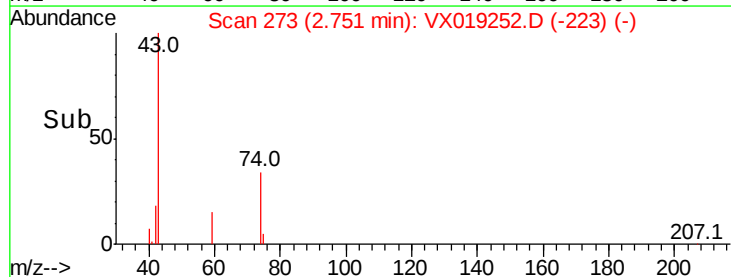
1000

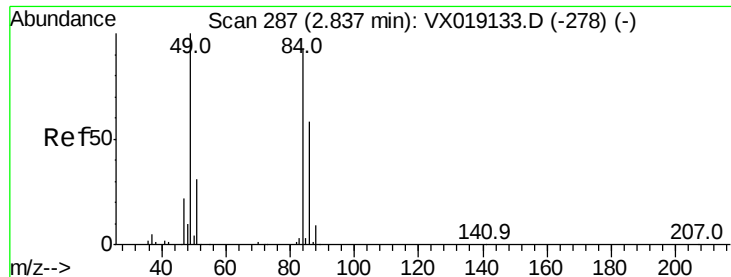
500

0

2.65 2.70 2.75 2.80 2.85

Time-->

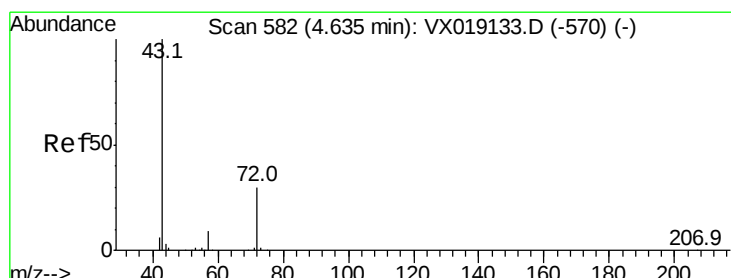
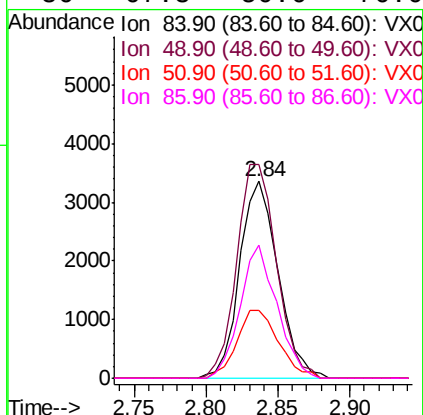
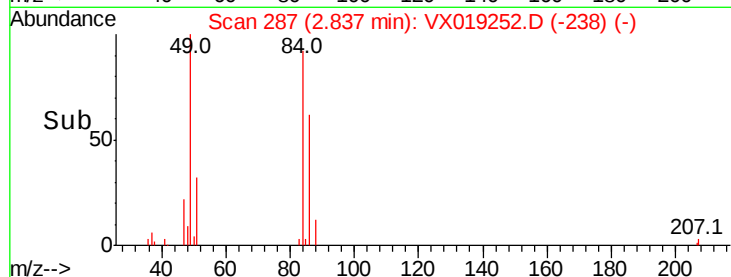
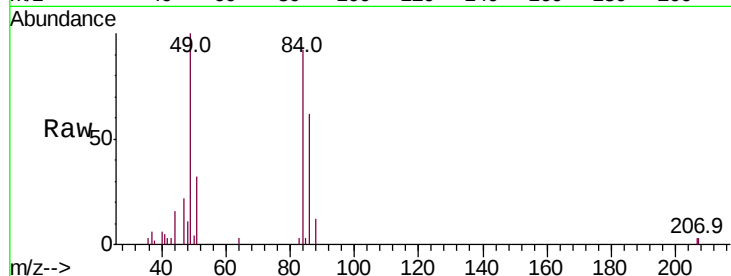




#20
Methvlene Chloride
Concen: 1.730 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

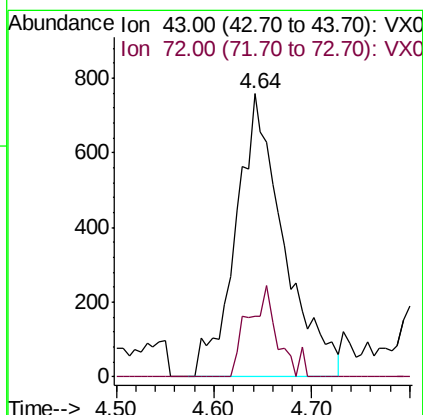
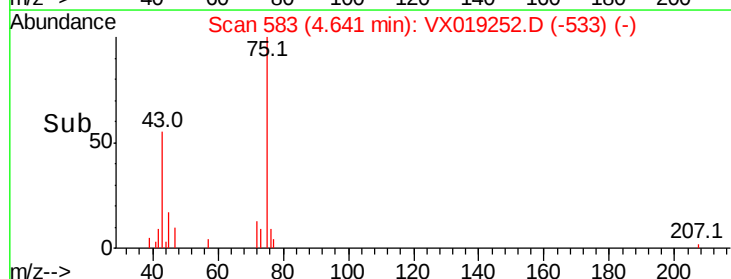
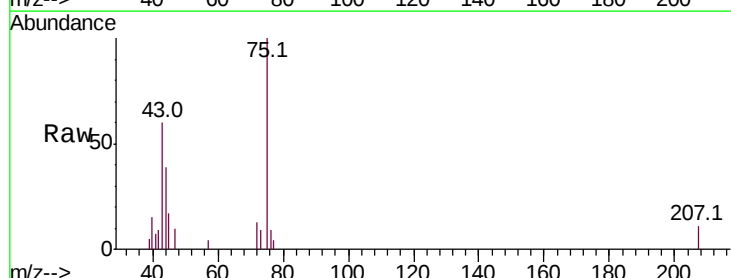
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#02

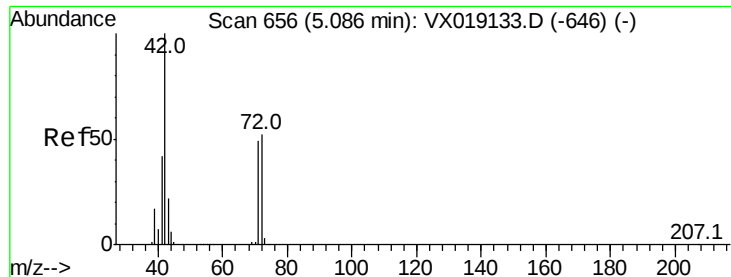
Tot Ion: 84 Resp: 6205
Ion Ratio Lower Upper
84 100
49 108.6 86.8 130.2
51 34.6 27.3 40.9
86 67.8 50.6 76.0



#25
2-Butanone
Concen: 1.149 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
72 21.2 24.6 36.8#

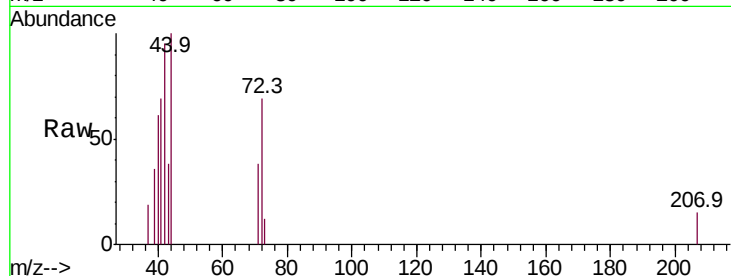




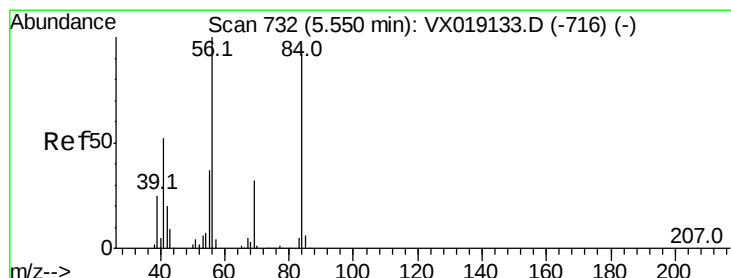
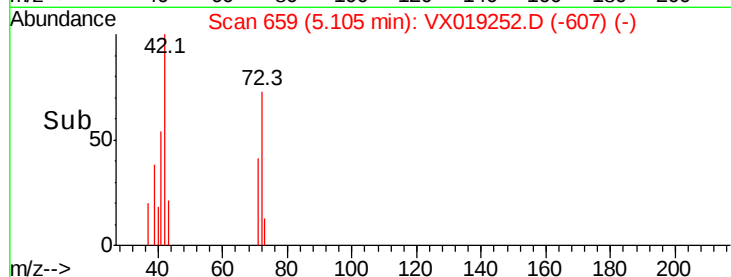
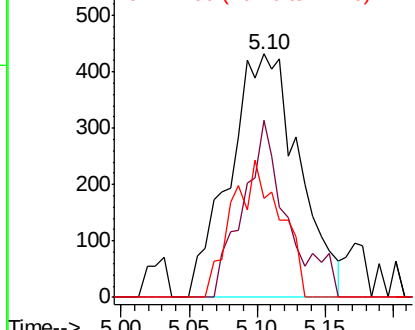
#29
Tetrahydrofuran
Concen: 1.084 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#02

Tot Ion: 42 Resp: 1538
Ion Ratio Lower Upper
42 100
72 41.4 42.6 63.8#
71 39.1 39.7 59.5#

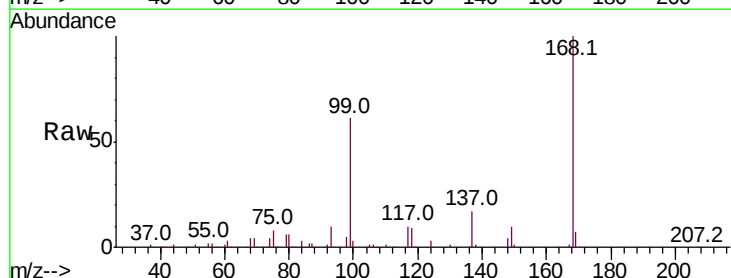


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

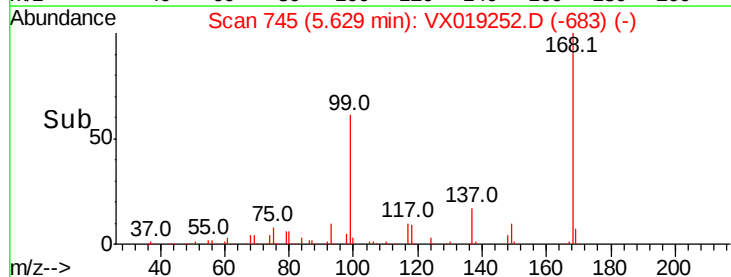
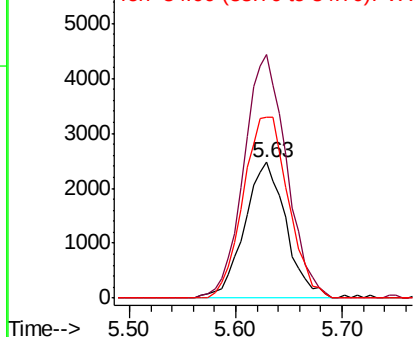


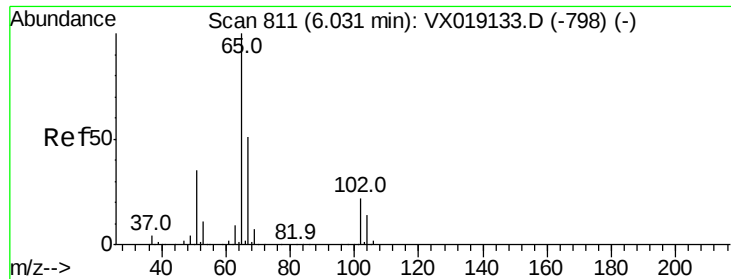
#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

Tgt Ion: 56 Resp: 6790
Ion Ratio Lower Upper
56 100
69 178.9 25.9 38.9#
84 133.2 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

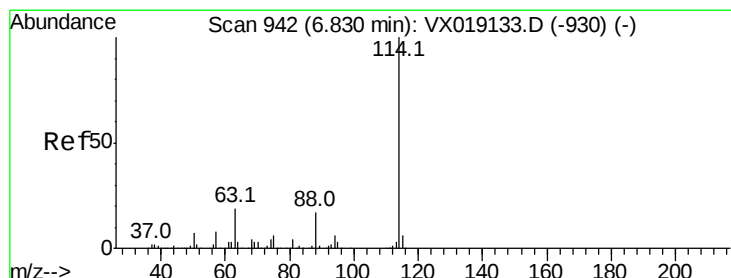
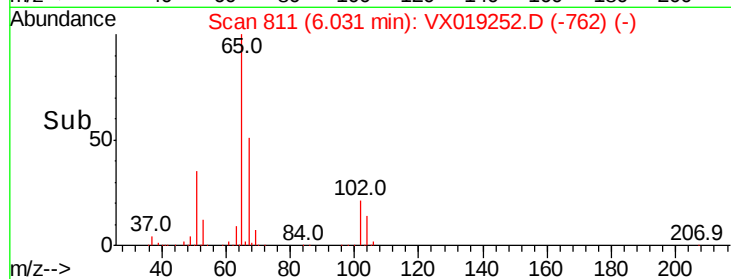
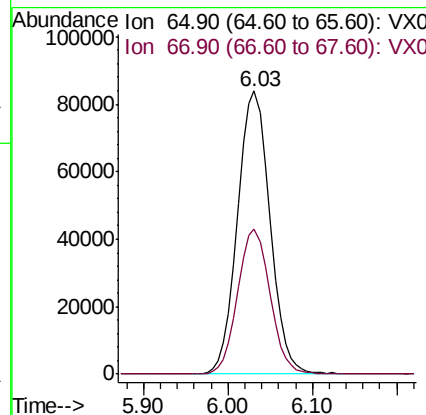
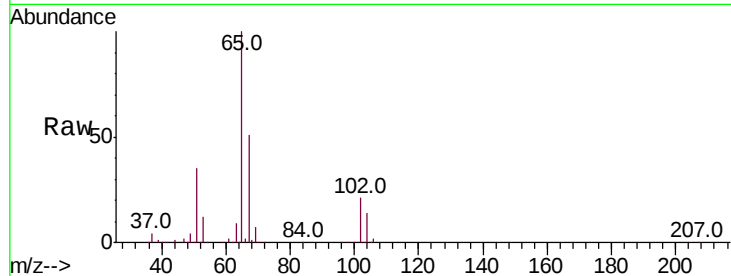




#33
 1,2-Dichloroethane-d4
 Concen: 52.962 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019252.D
 Acq: 03 Nov 2020 22:38

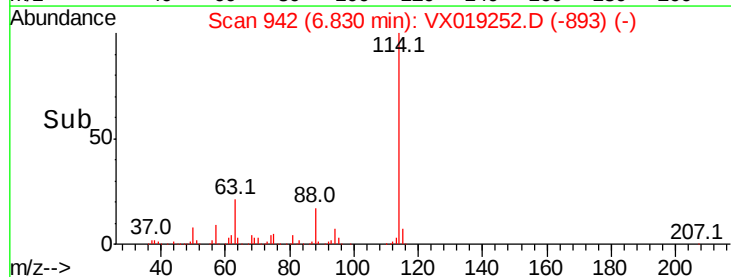
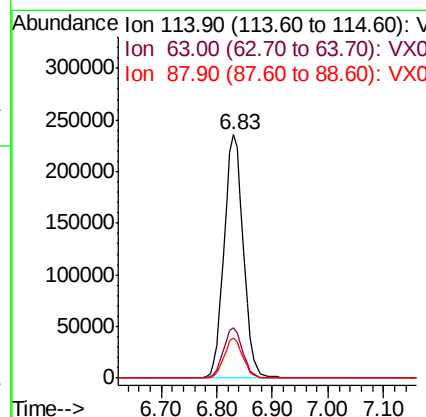
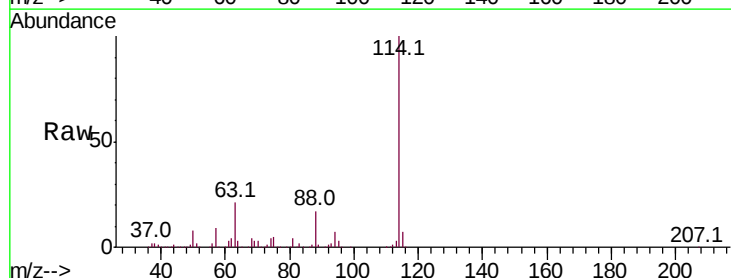
Instrument :
 MSVOA_X
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 PB132784ZHE#02

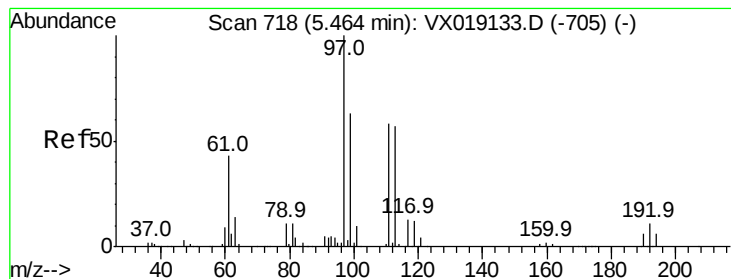
Tot Ion: 65 Resp: 219347
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019252.D
 Acq: 03 Nov 2020 22:38

Tgt Ion: 114 Resp: 562939
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.270 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#02

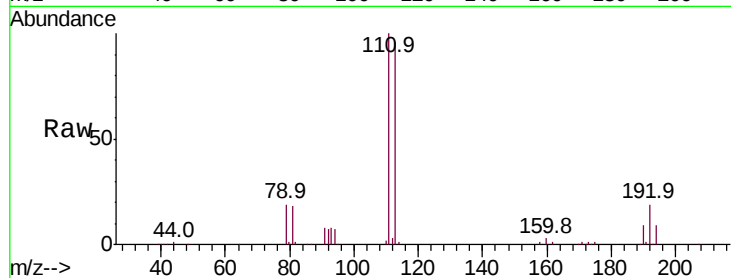
Tot Ion:113 Resp: 174220

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

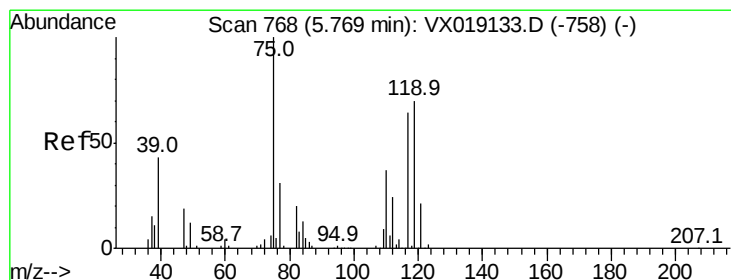
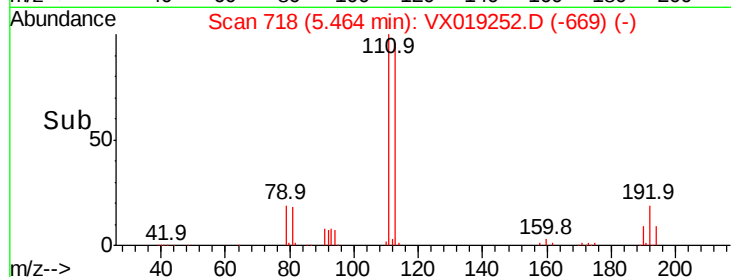
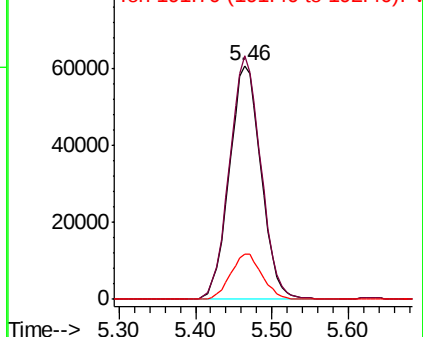
192 19.2 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

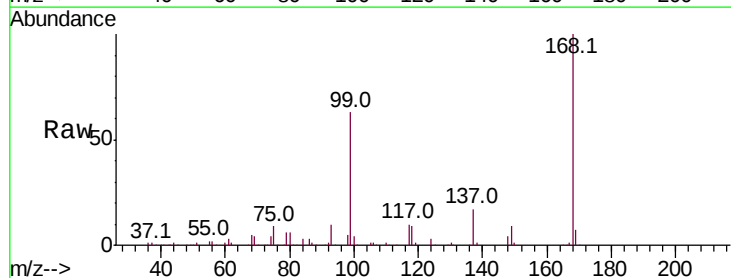
Tgt Ion: 75 Resp: 25443

Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.9#

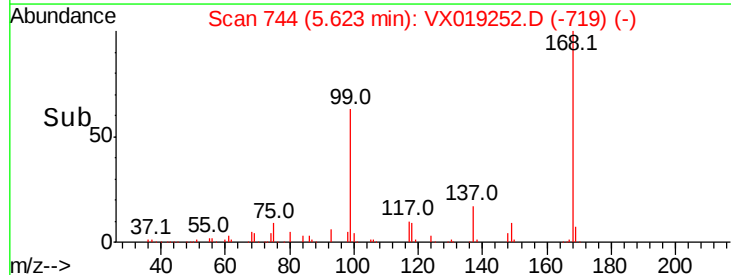
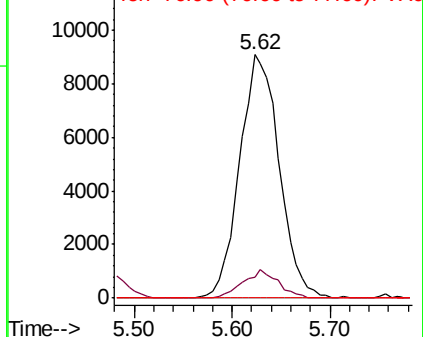
77 0.0 24.9 37.3#

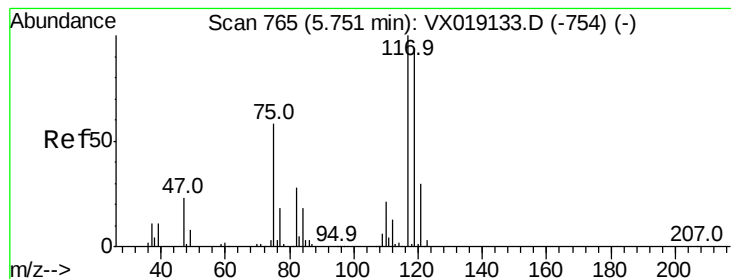


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#02

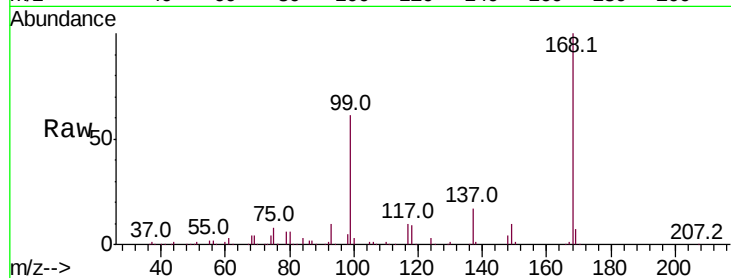
Tot Ion:117 Resp: 32461

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

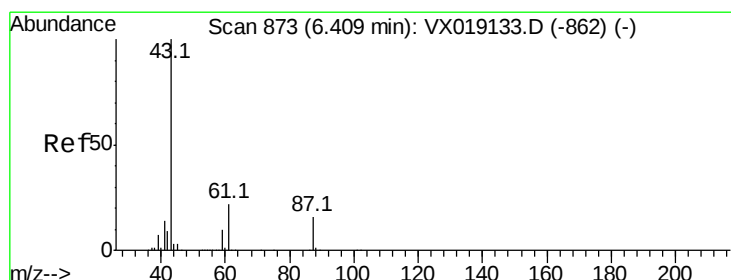
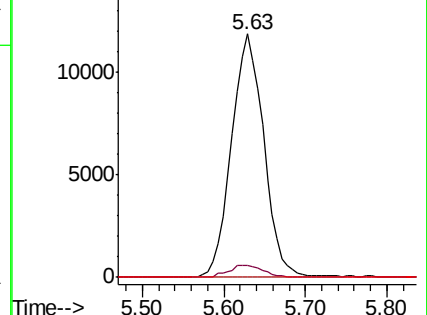
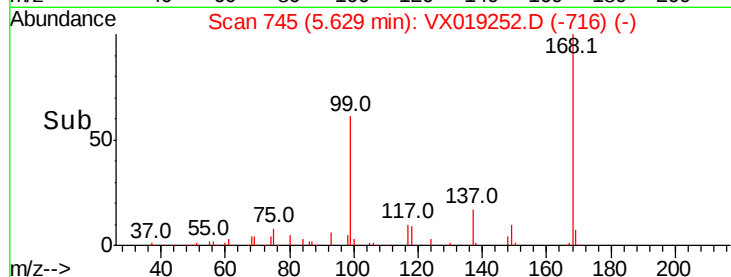
121 0.0 23.9 35.9#



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: 9.347 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

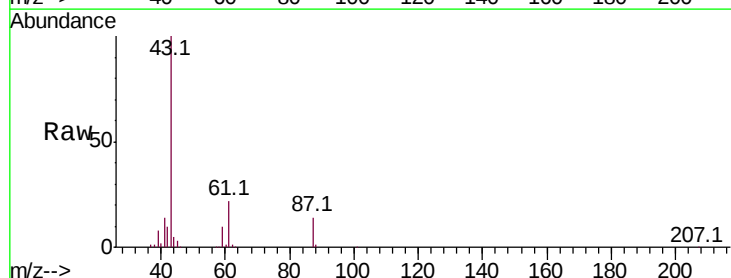
Tgt Ion: 43 Resp: 75539

Ion Ratio Lower Upper

43 100

61 21.3 17.8 26.6

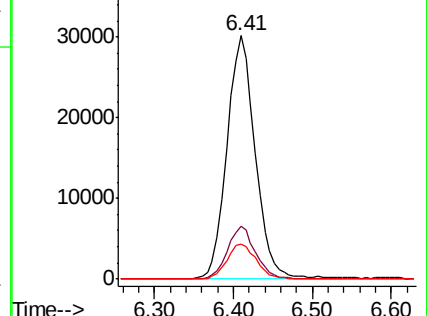
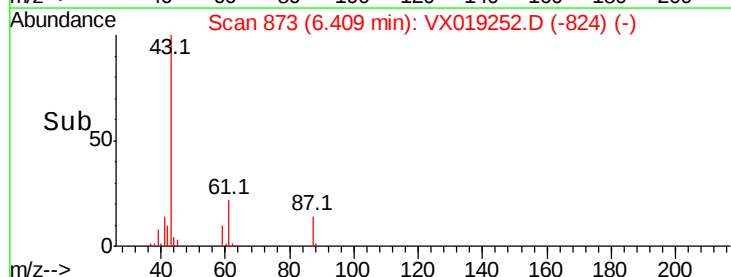
87 14.8 12.6 19.0

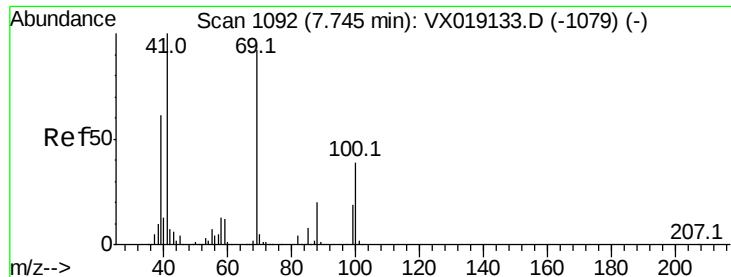


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

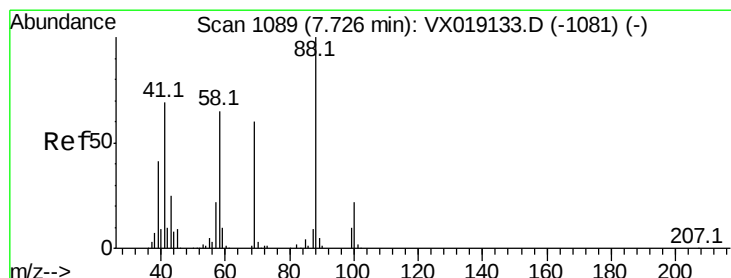
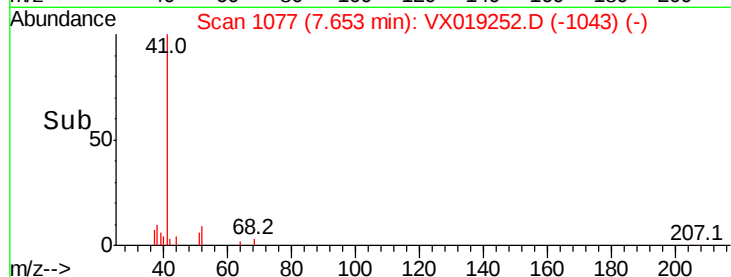
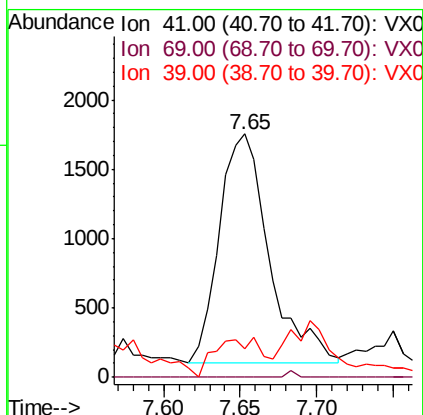
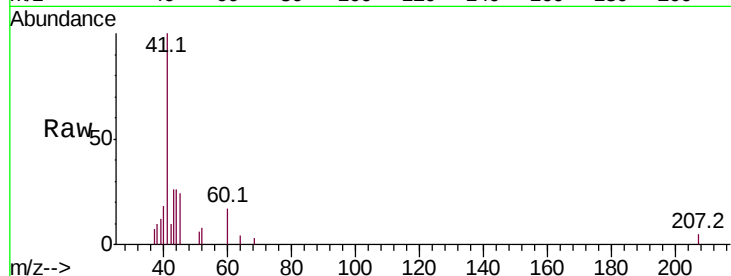




#48
Methvl methacrylate
Concen: 0.958 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

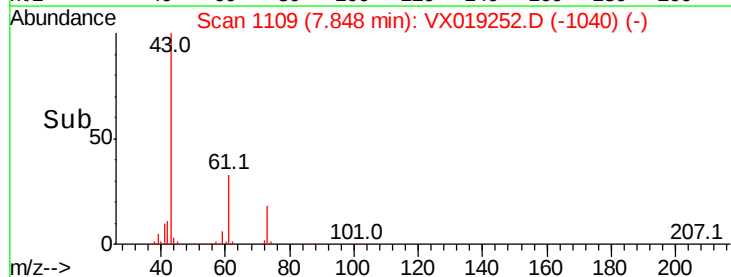
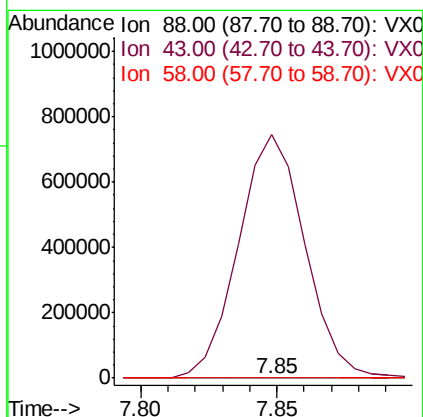
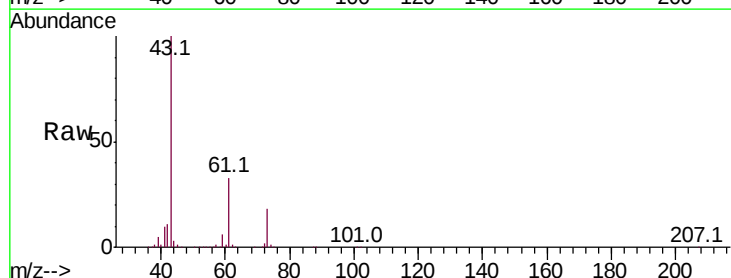
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#02

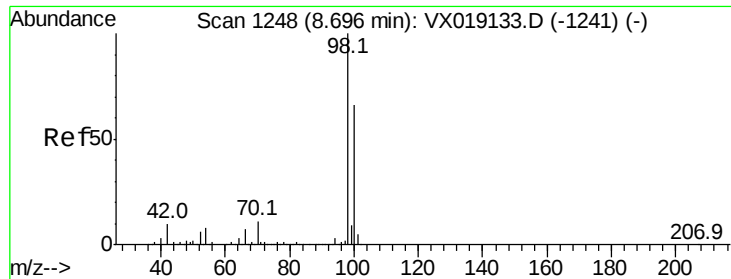
Tot Ion: 41 Resp: 3727
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 2.844 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.12 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

Tgt Ion: 88 Resp: 246
Ion Ratio Lower Upper
88 100
43 517321.5 23.0 34.6#
58 2346.7 52.2 78.2#

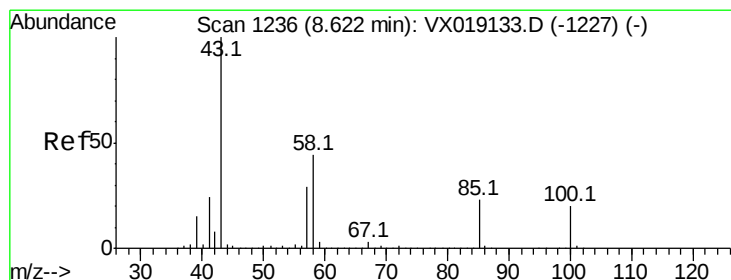
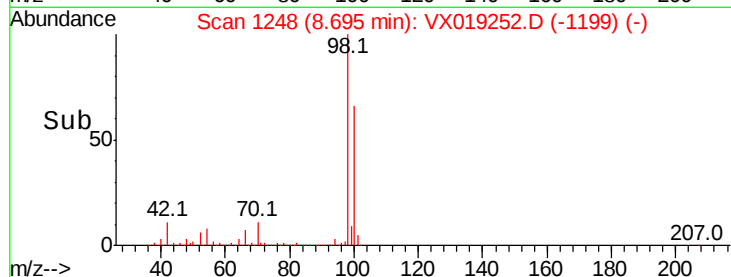
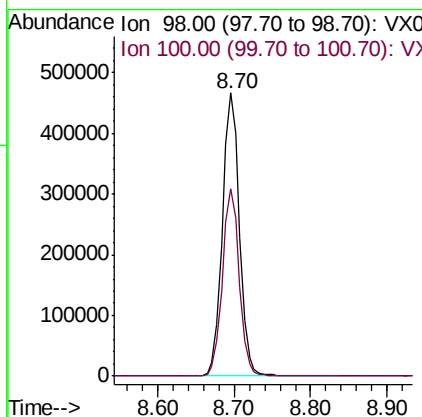
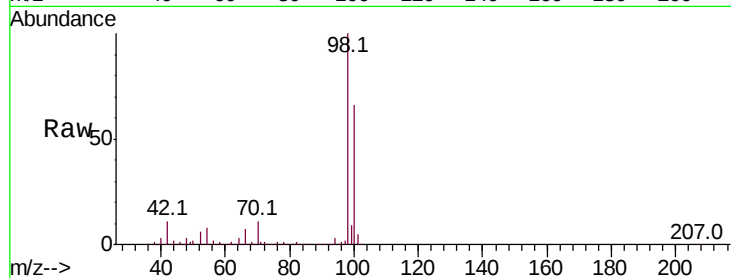




#50
Toluene-d8
Concen: 53.805 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

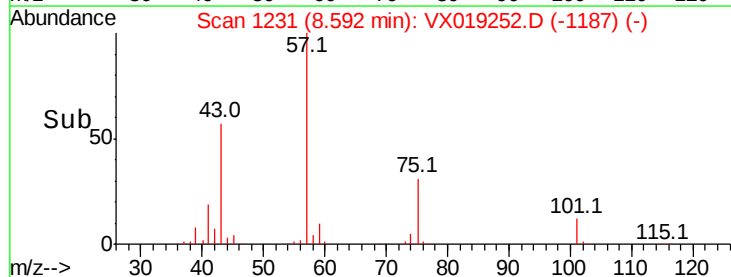
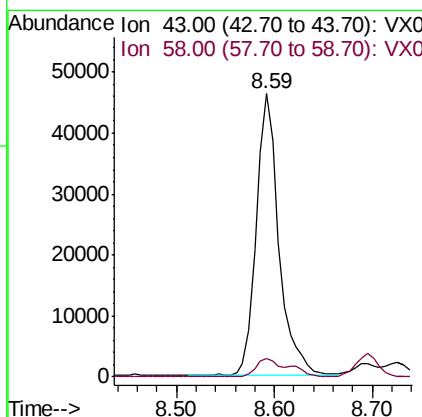
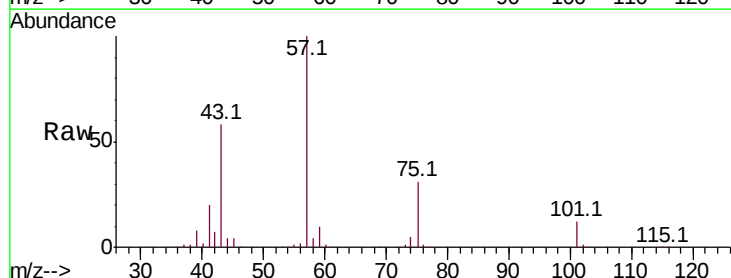
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#02

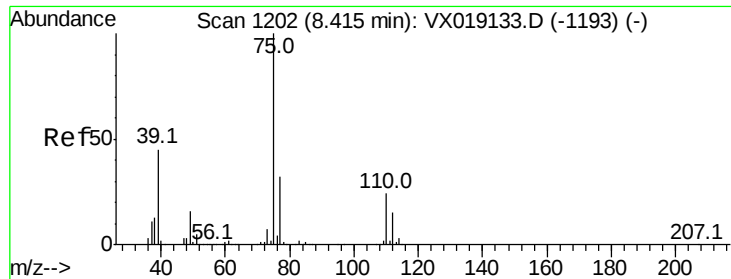
Tot Ion: 98 Resp: 717195
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 16.044 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

Tgt Ion: 43 Resp: 74525
Ion Ratio Lower Upper
43 100
58 6.8 35.0 52.4#



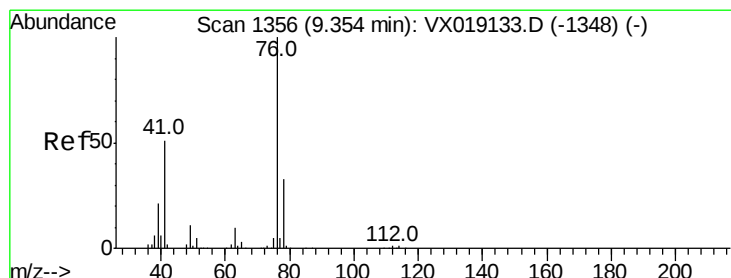
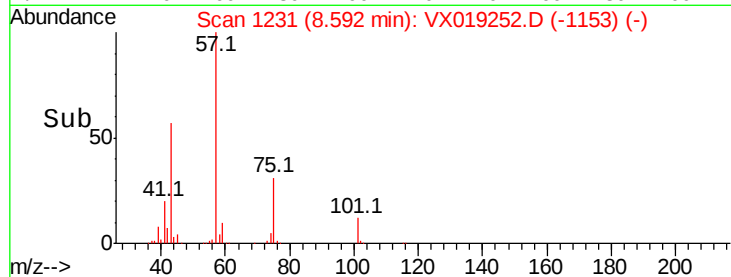
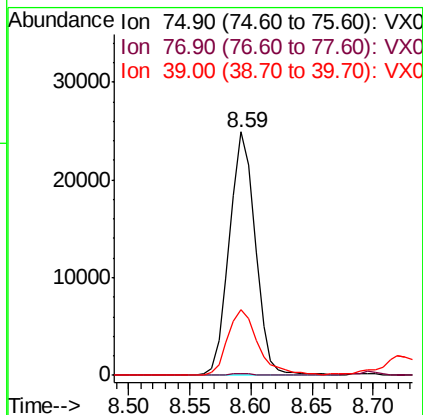
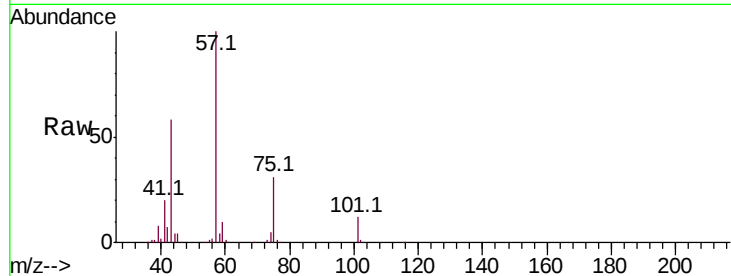


#54

cis-1,3-Dichloropropene
 Concen: 5.793 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019252.D
 Acq: 03 Nov 2020 22:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132784ZHE#02

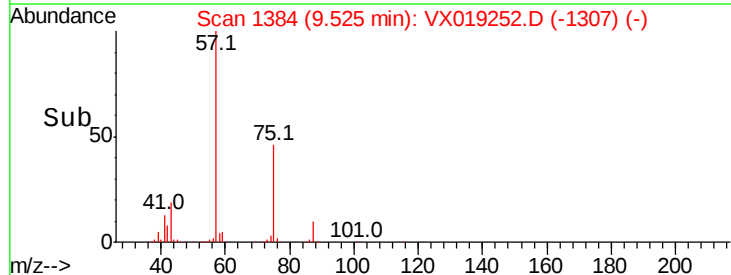
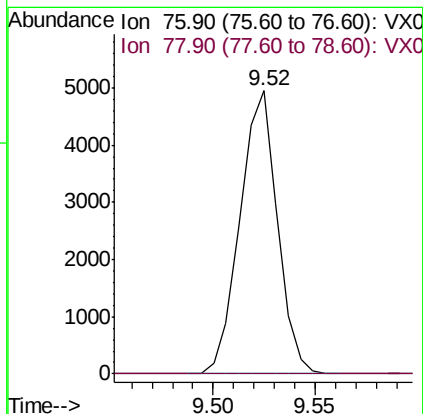
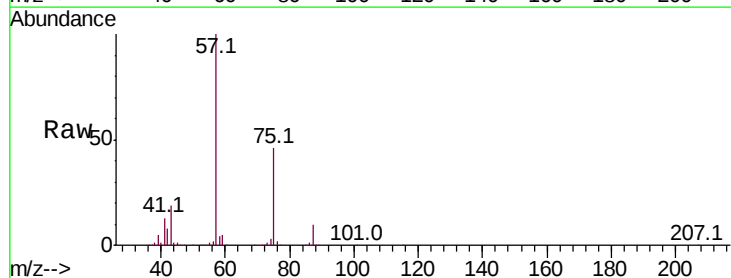
Tot Ion: 75 Resp: 36609
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.5 38.3#
 39 26.6 36.2 54.2#

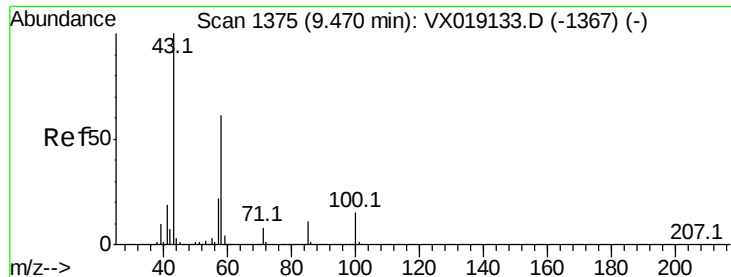


#57

1,3-Dichloropropane
 Concen: 0.995 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019252.D
 Acq: 03 Nov 2020 22:38

Tgt Ion: 76 Resp: 6293
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

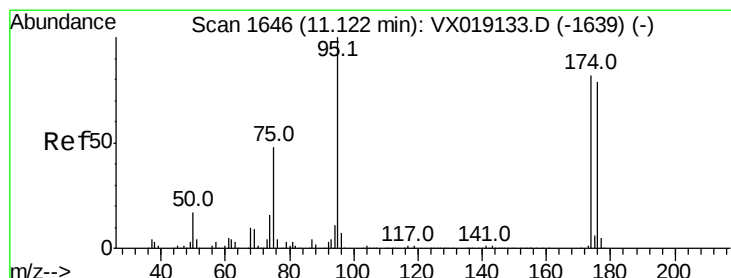
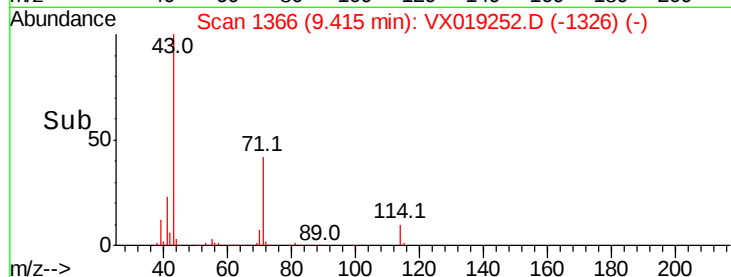
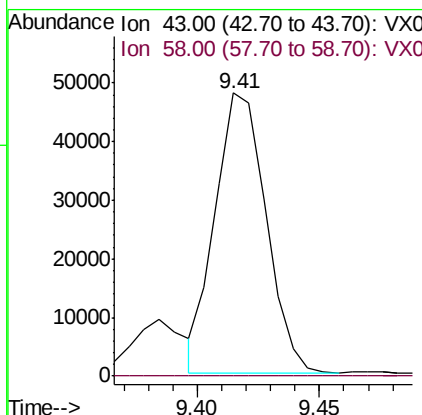
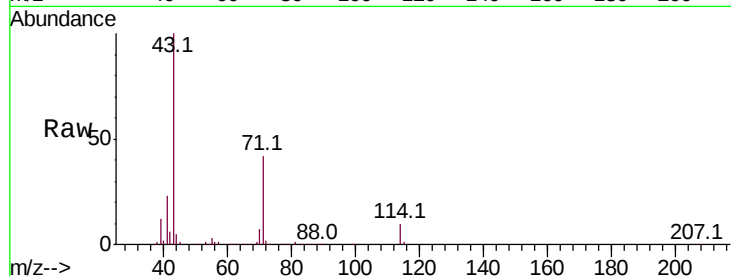




#59
2-Hexanone
Concen: 19.529 ug/l
RT: 9.41 min Scan# 1366
Delta R.T. -0.05 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

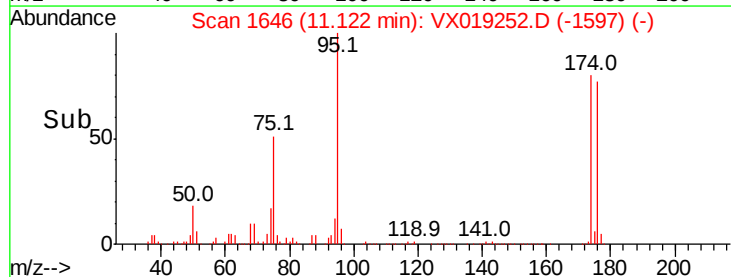
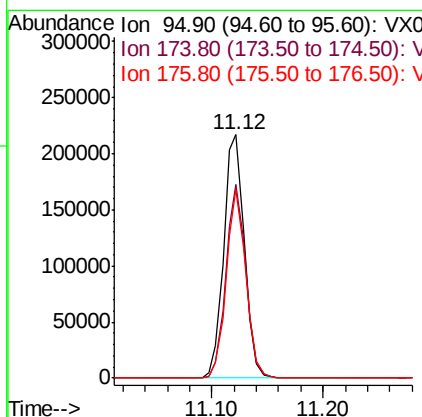
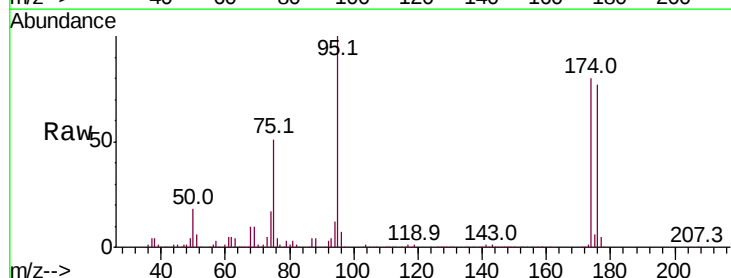
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#02

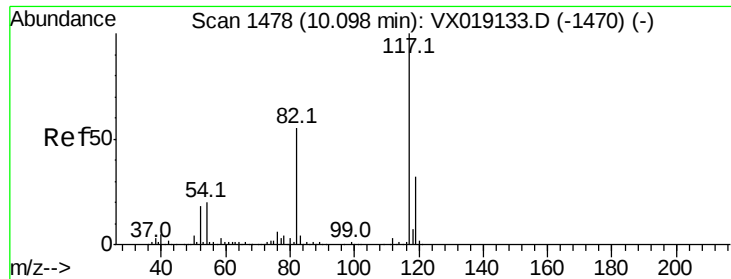
Tot Ion: 43 Resp: 69051
Ion Ratio Lower Upper
43 100
58 0.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 55.059 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

Tgt Ion: 95 Resp: 277935
Ion Ratio Lower Upper
95 100
174 77.0 0.0 156.0
176 73.1 0.0 149.8

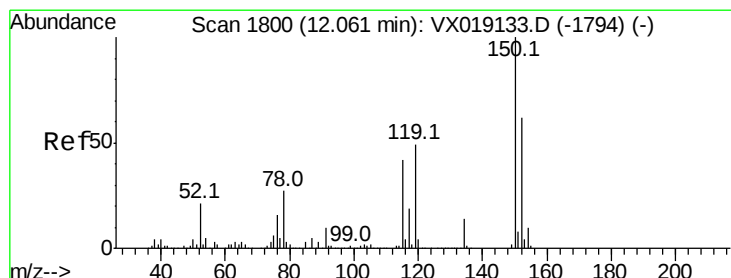
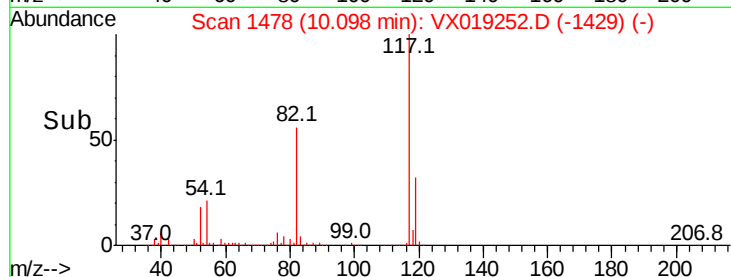
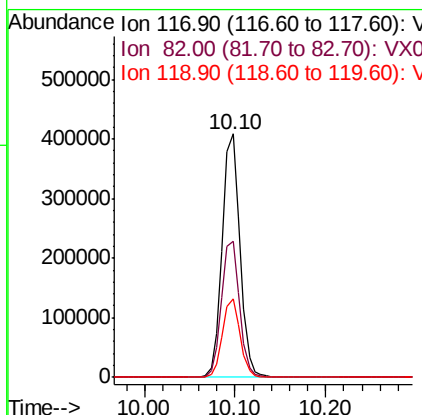
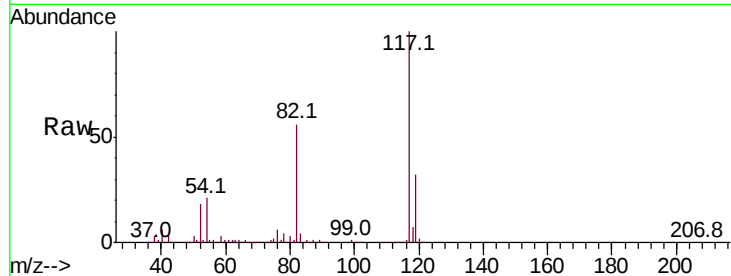




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

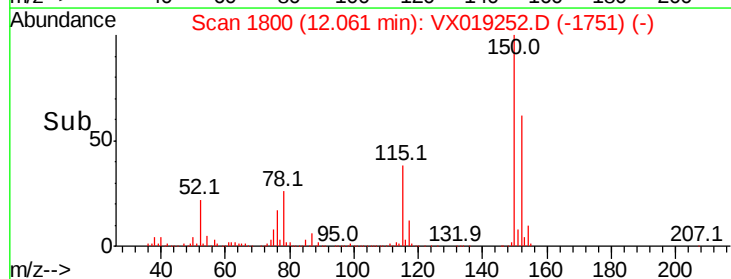
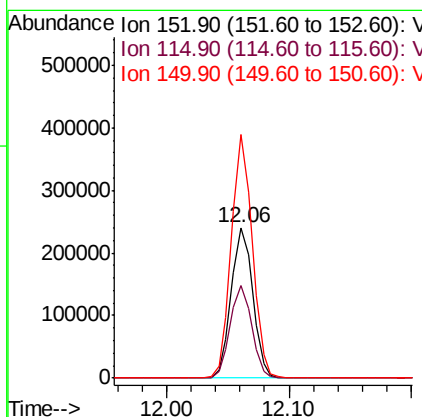
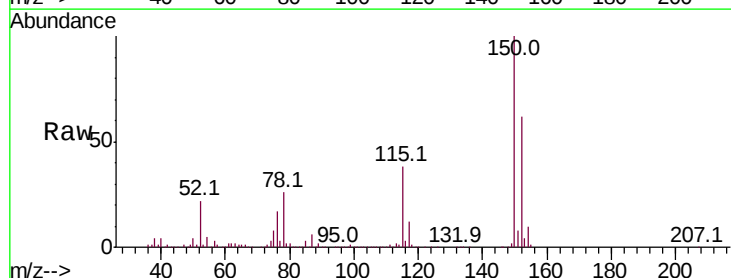
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#02

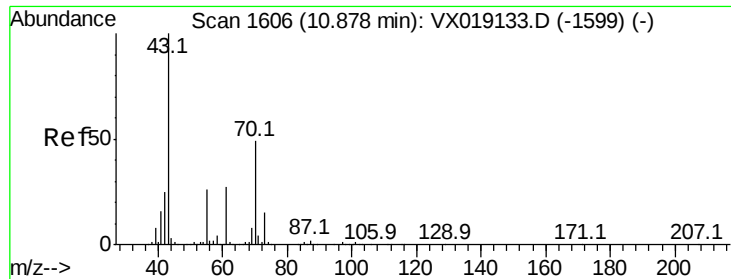
Tot Ion:117 Resp: 559621
Ion Ratio Lower Upper
117 100
82 55.9 43.6 65.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019252.D
Acq: 03 Nov 2020 22:38

Tgt Ion:152 Resp: 291744
Ion Ratio Lower Upper
152 100
115 61.4 41.9 125.7
150 157.4 0.0 347.8





#74

N-amvl acetate

Concen: 0.431 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#02

Tot Ion: 43 Resp: 3258

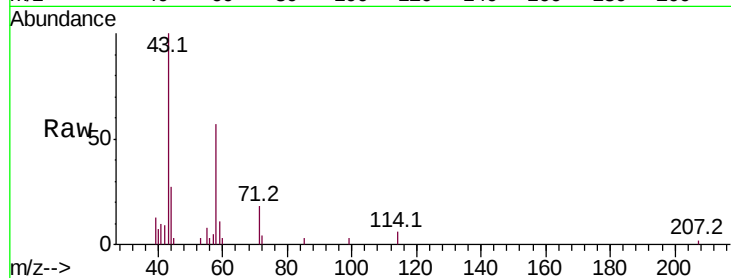
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 8.9 20.7 31.1#

61 0.0 21.9 32.9#

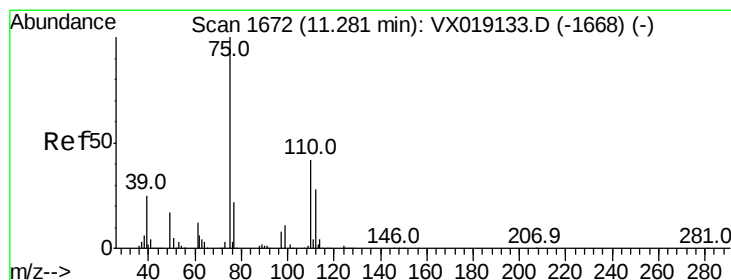
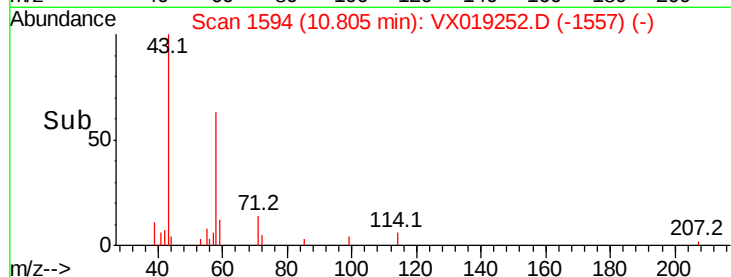
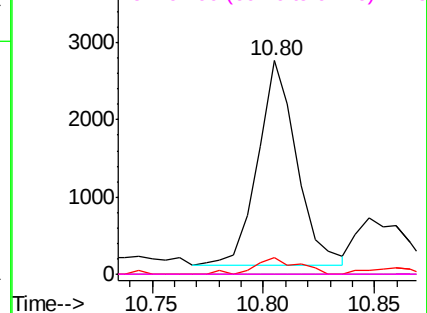


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.804 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019252.D

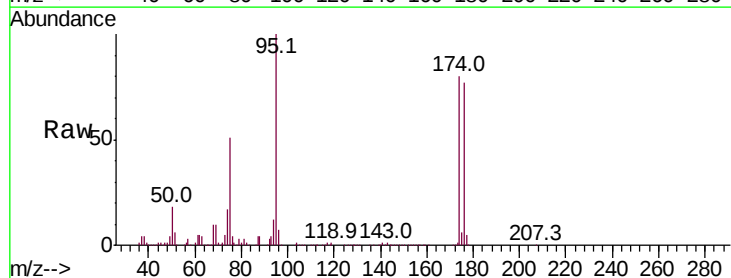
Acq: 03 Nov 2020 22:38

Tgt Ion: 75 Resp: 143394

Ion Ratio Lower Upper

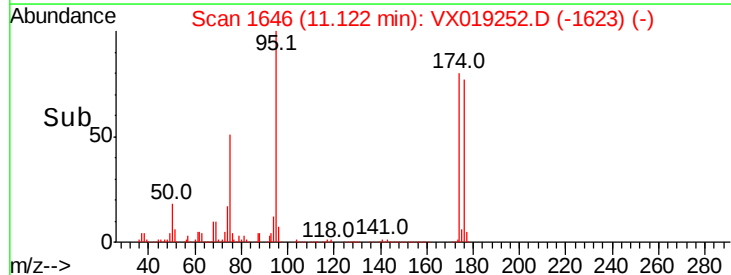
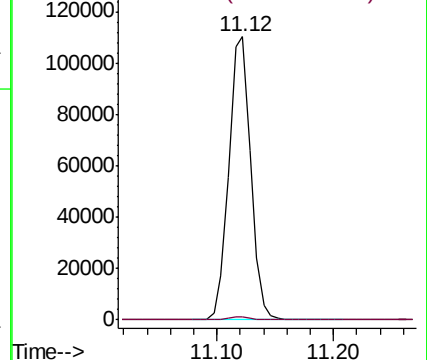
75 100

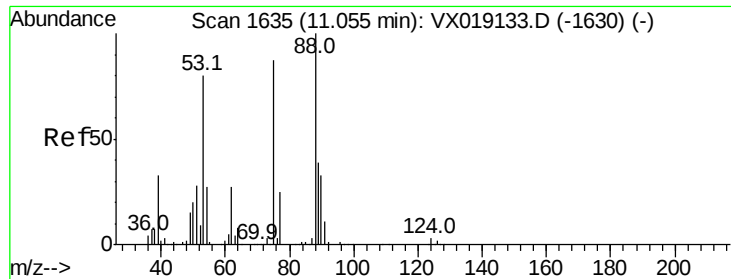
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.676 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019252.D

Acq: 03 Nov 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#02

Tot Ion: 75 Resp: 143394

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

