

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019316.D
 Acq On : 05 Nov 2020 16:03
 Operator : JC/MD
 Sample : PB132824ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132824ZHE#06

Quant Time: Nov 06 01:08:54 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	5.64	168	273797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	489862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	474044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233976	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	199648	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	5.46	113	157577	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
50) Toluene-d8	8.70	98	612773	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	11.12	95	231240	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	

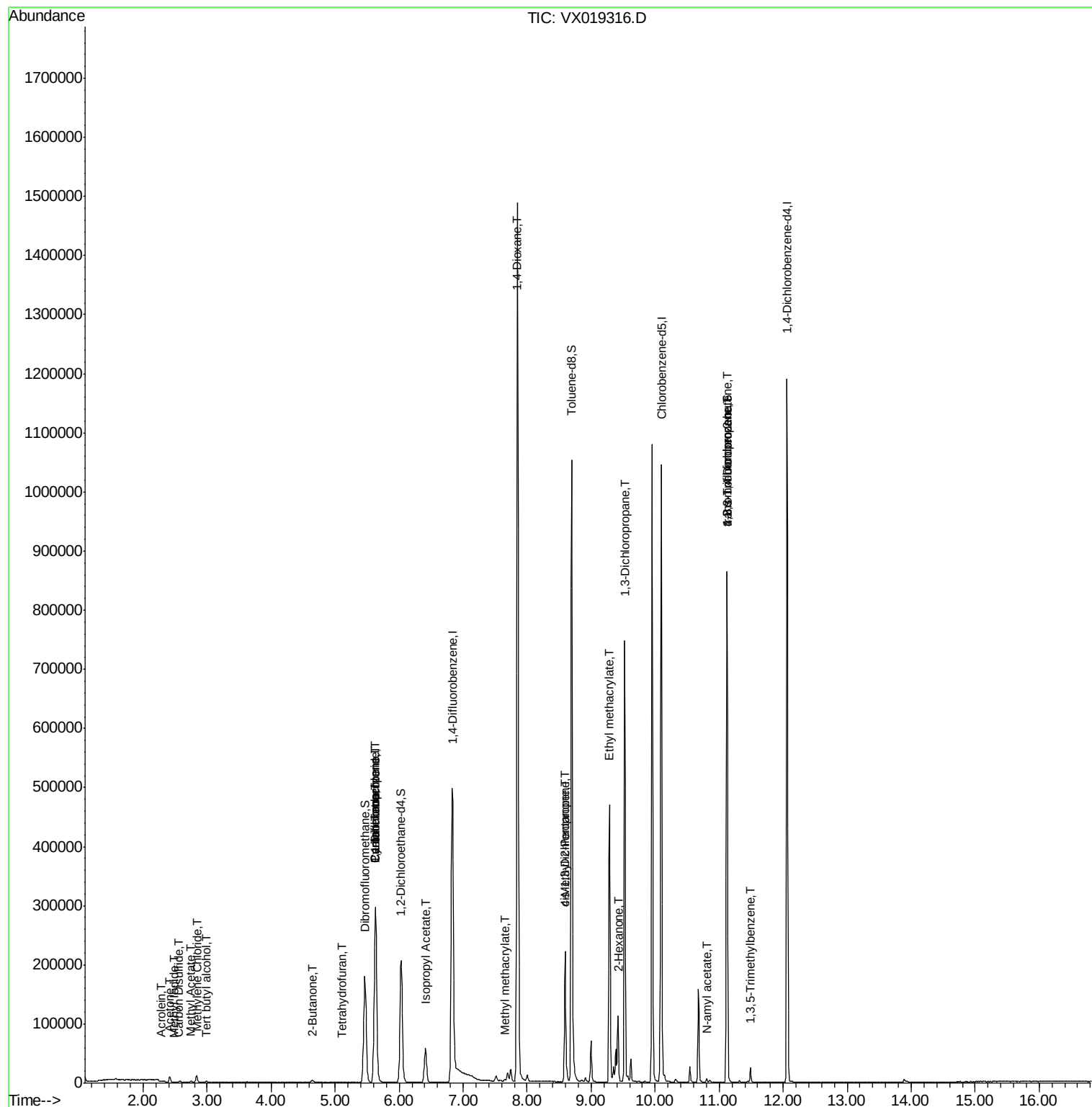
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	23	6.385	ug/l #	39
11) Tert butyl alcohol	2.99	59	1308	1.876	ug/l #	72
13) Acrolein	2.28	56	73	5.877	ug/l	88
16) Acetone	2.42	43	9622	7.899	ug/l	95
17) Carbon Disulfide	2.55	76	233	0.790	ug/l #	75
18) Methyl Acetate	2.75	43	2949	0.996	ug/l	98
20) Methylene Chloride	2.84	84	5247	1.716	ug/l	89
25) 2-Butanone	4.65	43	1737	0.905	ug/l #	86
29) Tetrahydrofuran	5.11	42	1143	0.945	ug/l #	64
31) Cyclohexane	5.63	56	6216	1.393	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22774	5.035	ug/l #	49
38) Carbon Tetrachloride	5.64	117	28680	6.220	ug/l #	17
43) Isopropyl Acetate	6.41	43	76353	10.857	ug/l	99
48) Methyl methacrylate	7.65	41	3811	1.126	ug/l #	9
49) 1,4-Dioxane	7.85	88	248	3.295	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	75728	18.736	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	37031	6.734	ug/l #	62
56) Ethyl methacrylate	9.29	69	1226	0.249	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	6594	1.198	ug/l #	42
59) 2-Hexanone	9.42	43	72199	23.466	ug/l #	20
74) N-amyl acetate	10.80	43	3118	0.515	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	120608	24.965	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	10721	0.766	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	120608	65.732	ug/l #	12

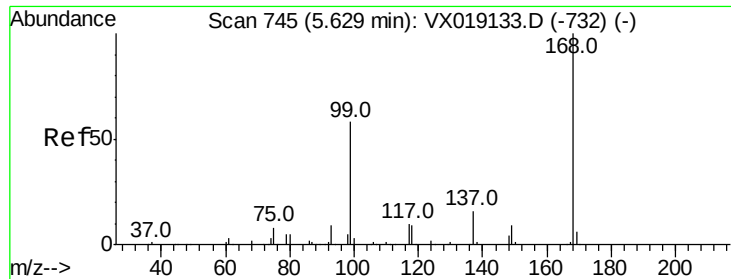
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 01:08:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

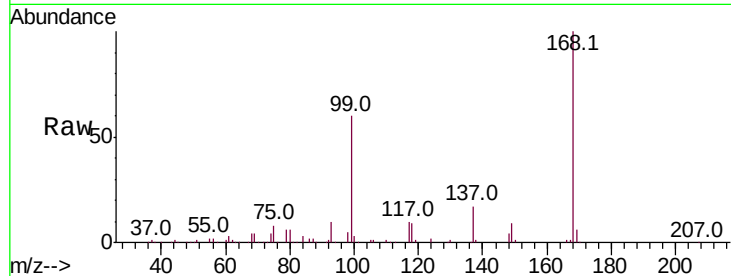
PB132824ZHE#06

Tot Ion:168 Resp: 273797

Ion Ratio Lower Upper

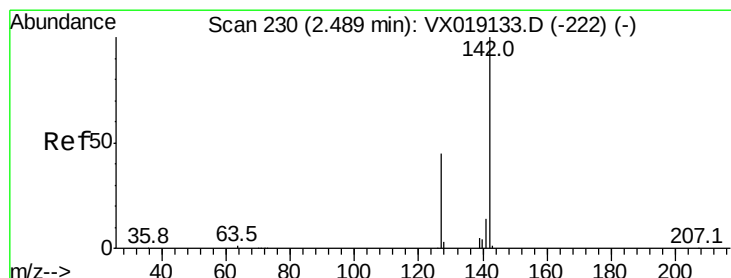
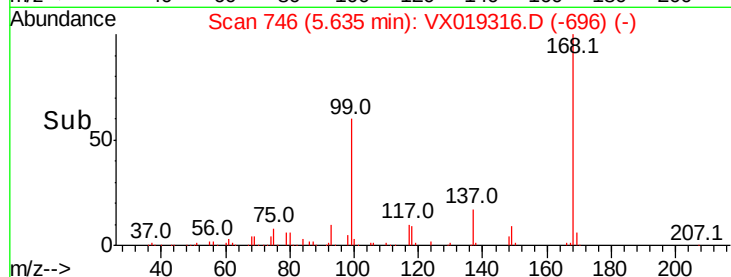
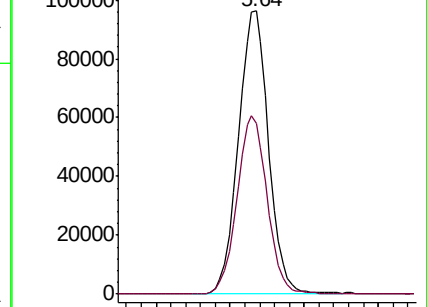
168 100

99 60.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.385 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

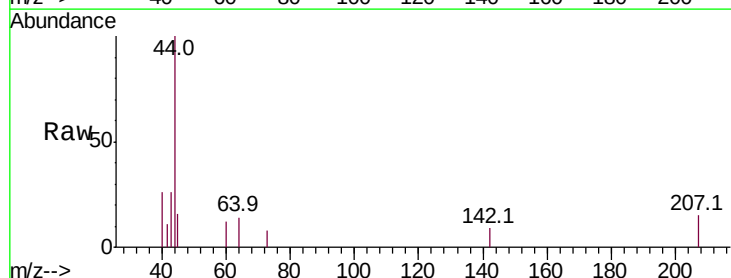
Tgt Ion:142 Resp: 23

Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

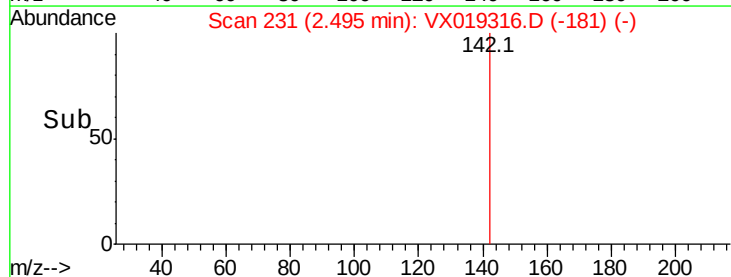
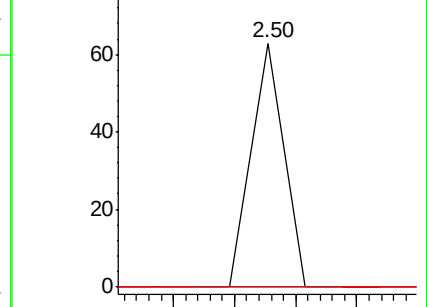
141 0.0 11.3 16.9#

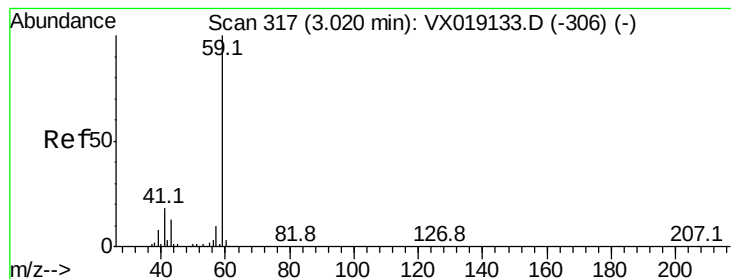


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



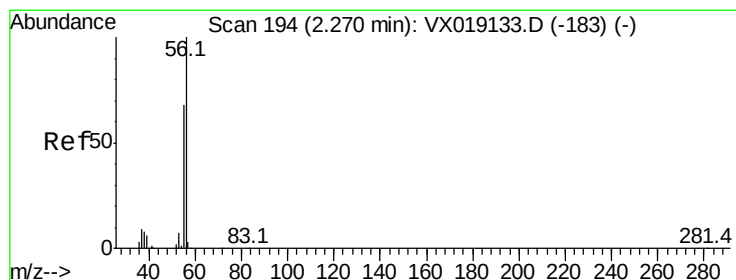
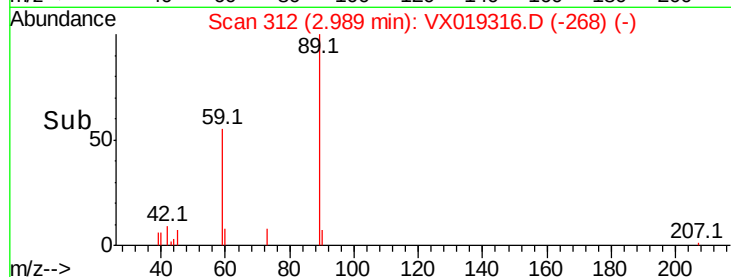
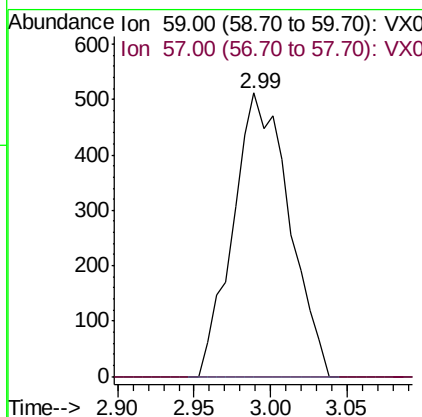
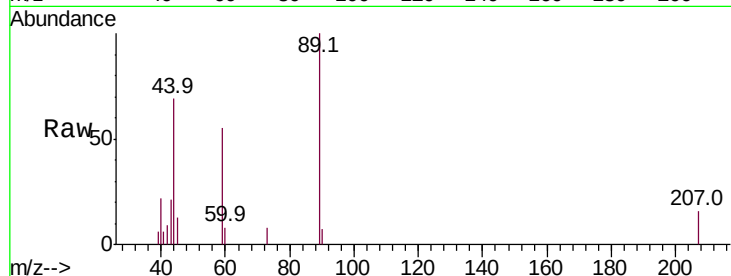


#11

Tert butyl alcohol
 Concen: 1.876 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.03 min
 Lab File: VX019316.D
 Acq: 05 Nov 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132824ZHE#06

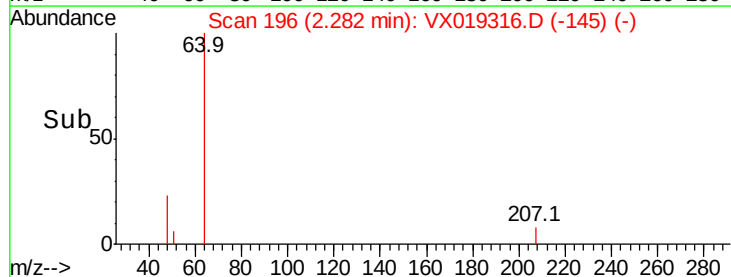
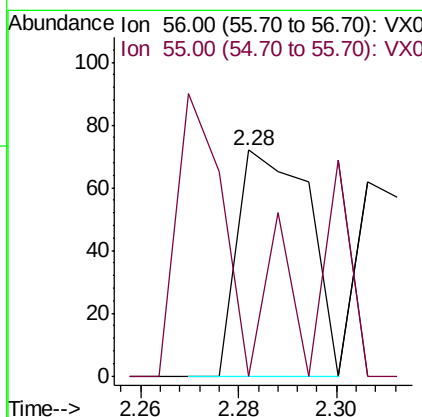
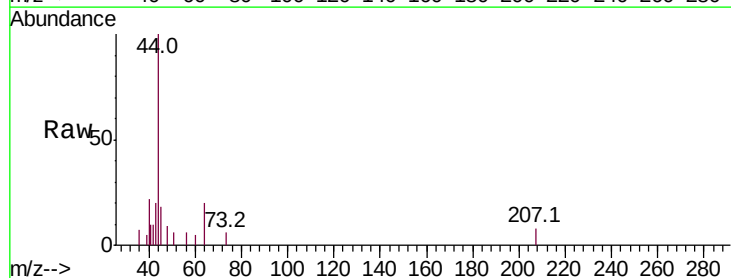
Tot Ion: 59 Resp: 1308
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

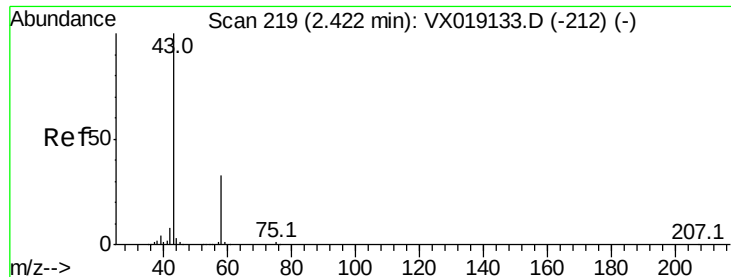


#13

Acrolein
 Concen: 5.877 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX019316.D
 Acq: 05 Nov 2020 16:03

Tgt Ion: 56 Resp: 73
 Ion Ratio Lower Upper
 56 100
 55 78.1 54.7 82.1





#16

Acetone

Concen: 7.899 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

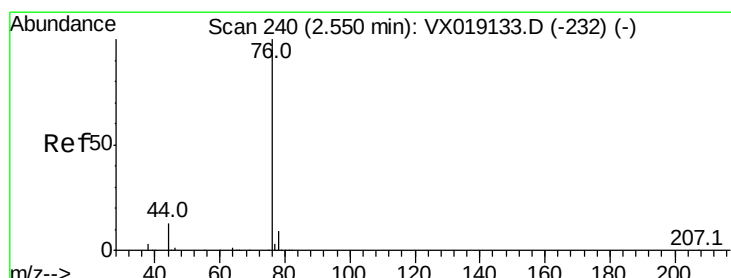
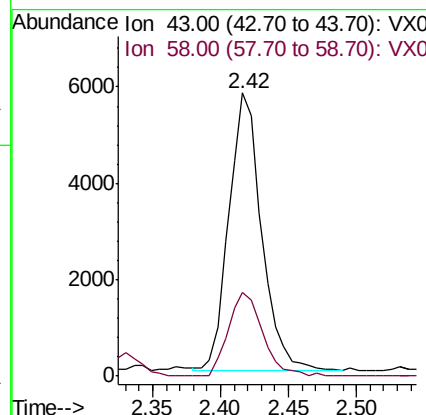
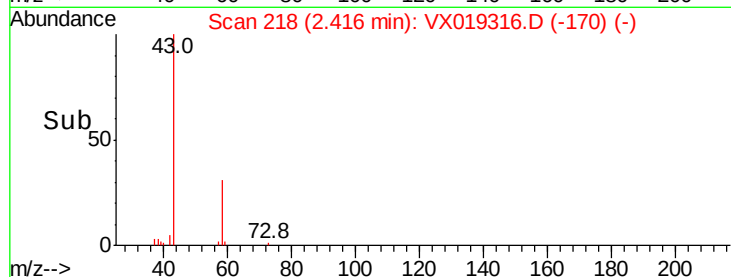
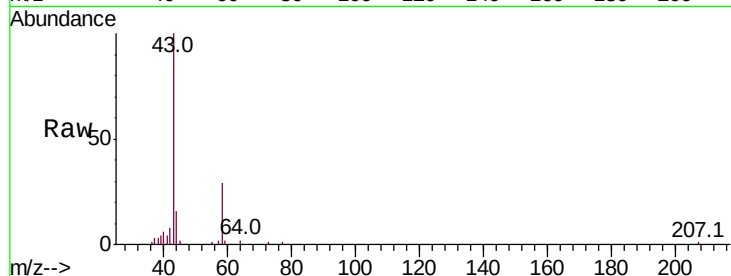
PB132824ZHE#06

Tot Ion: 43 Resp: 9622

Ion Ratio Lower Upper

43 100

58 30.0 26.3 39.5



#17

Carbon Disulfide

Concen: 0.790 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019316.D

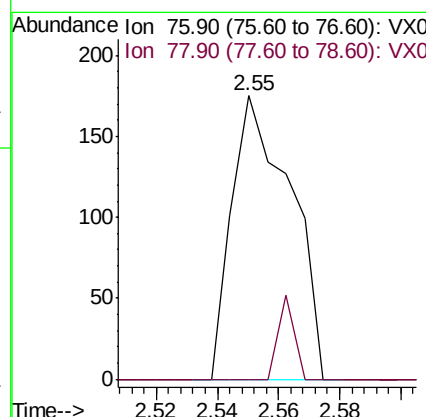
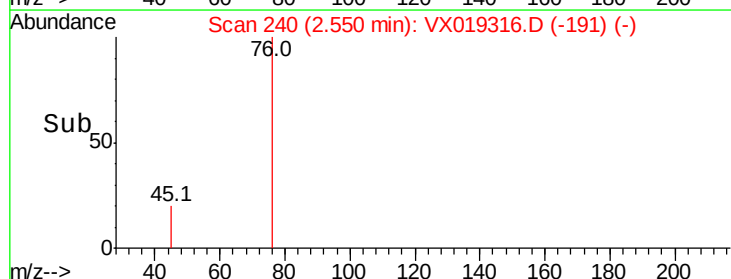
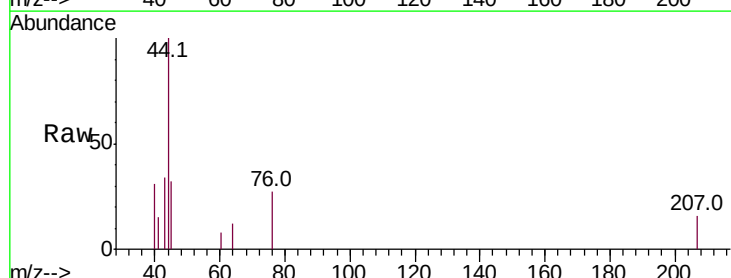
Acq: 05 Nov 2020 16:03

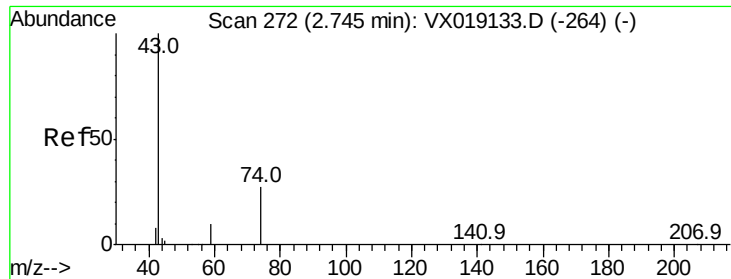
Tgt Ion: 76 Resp: 233

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

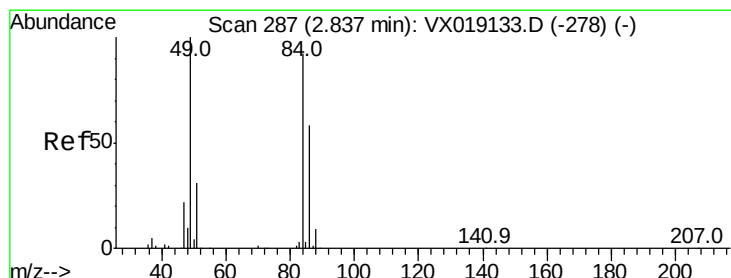
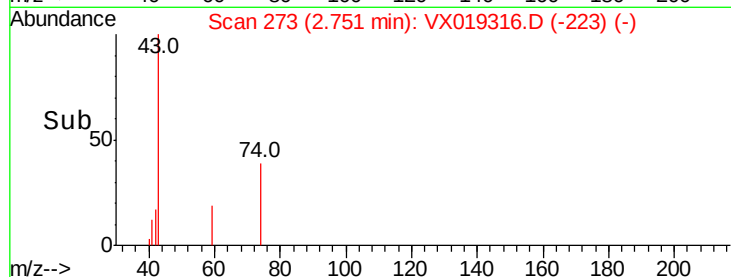
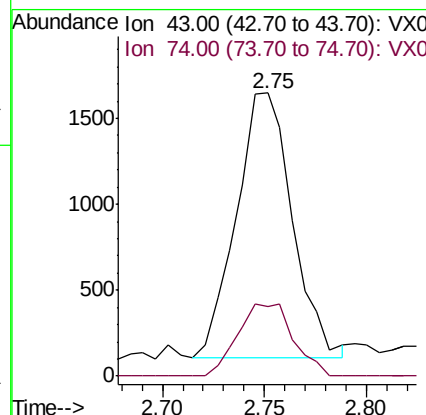
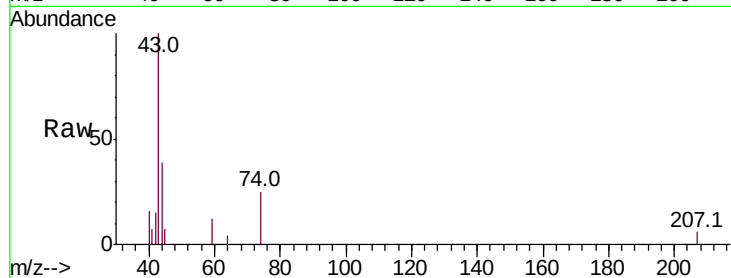




#18
Methyl Acetate
Concen: 0.996 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

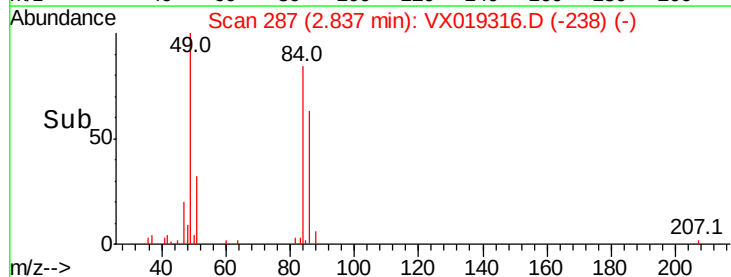
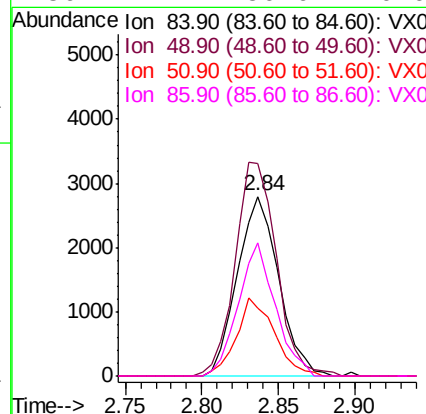
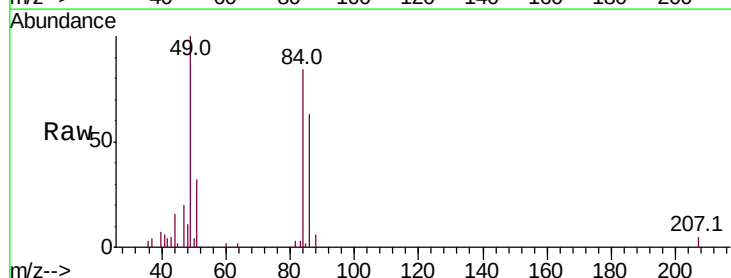
Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#06

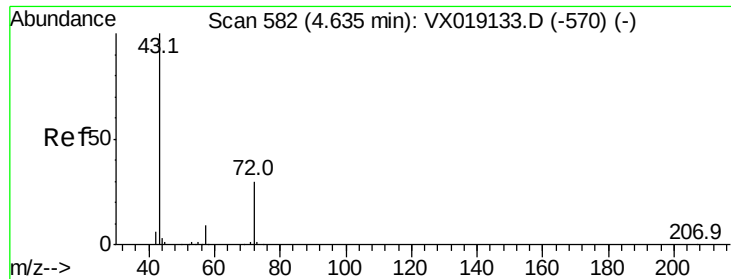
Tot Ion: 43 Resp: 2949
Ion Ratio Lower Upper
43 100
74 27.0 22.6 33.8



#20
Methylene Chloride
Concen: 1.716 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

Tgt Ion: 84 Resp: 5247
Ion Ratio Lower Upper
84 100
49 118.5 86.8 130.2
51 38.0 27.3 40.9
86 74.4 50.6 76.0





#25

2-Butanone

Concen: 0.905 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

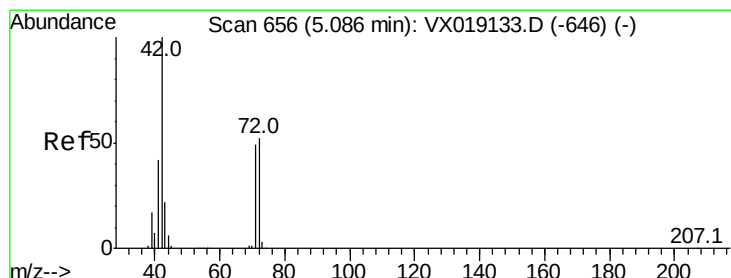
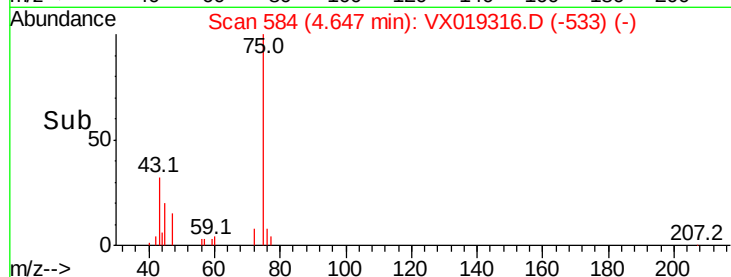
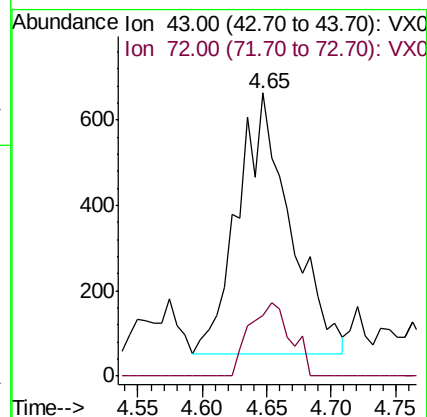
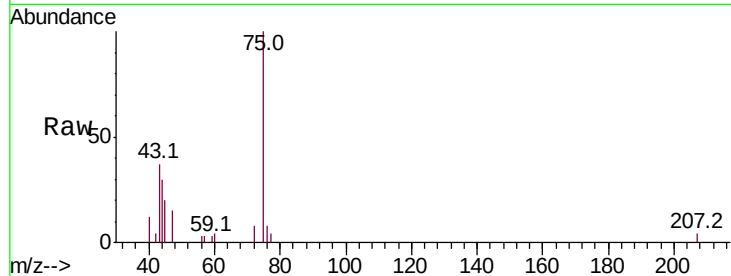
PB132824ZHE#06

Tot Ion: 43 Resp: 1737

Ion Ratio Lower Upper

43 100

72 23.2 24.6 36.8#



#29

Tetrahydrofuran

Concen: 0.945 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

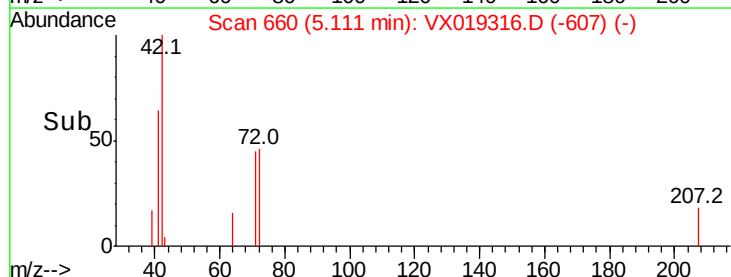
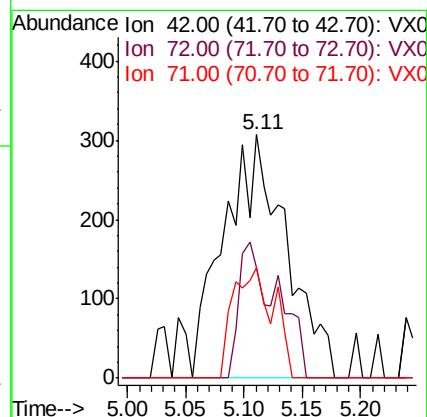
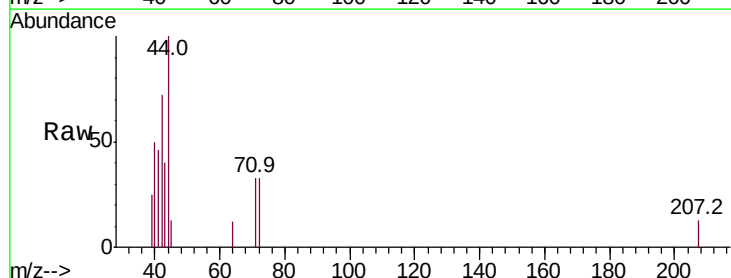
Tgt Ion: 42 Resp: 1143

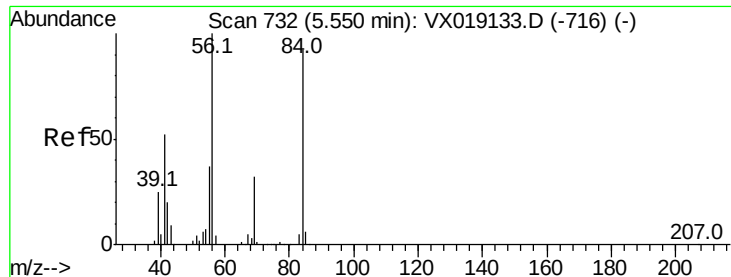
Ion Ratio Lower Upper

42 100

72 22.8 42.6 63.8#

71 29.4 39.7 59.5#

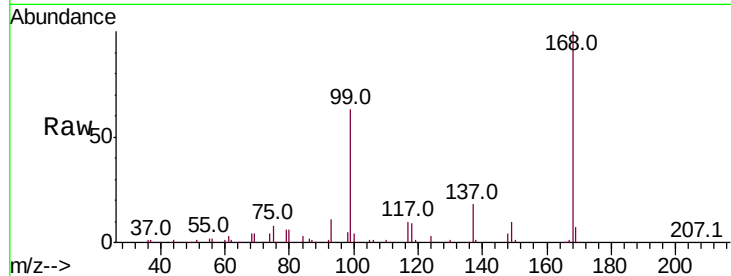




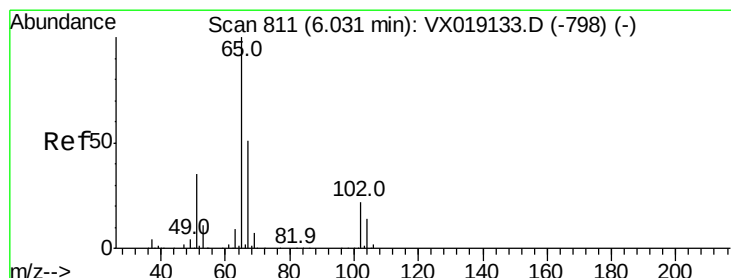
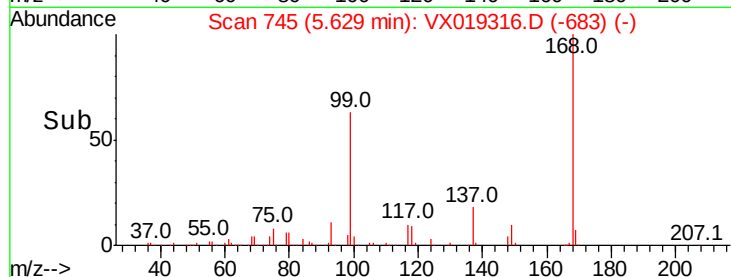
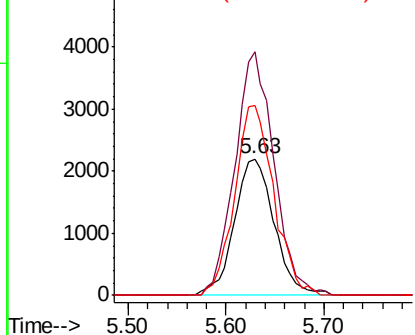
#31
Cyclohexane
Concen: 1.393 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#06

Tot Ion: 56 Resp: 6216
Ion Ratio Lower Upper
56 100
69 178.4 25.9 38.9#
84 139.4 73.4 110.2#

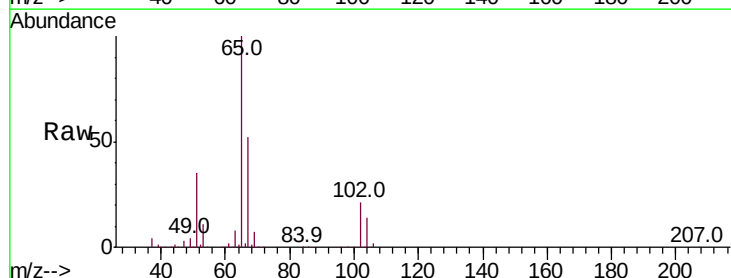


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

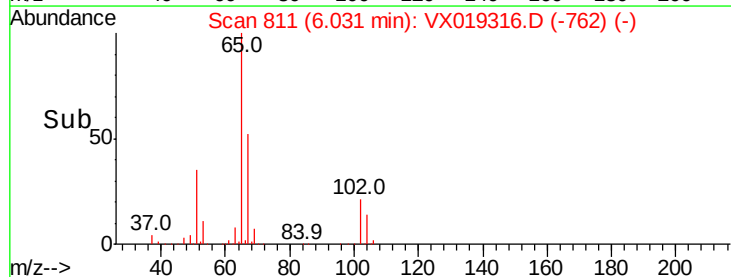
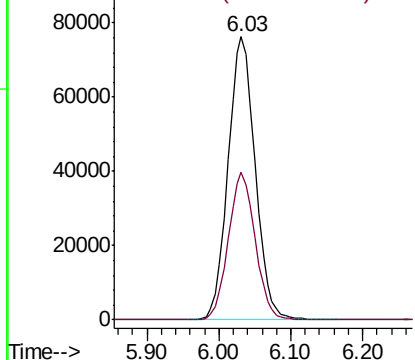


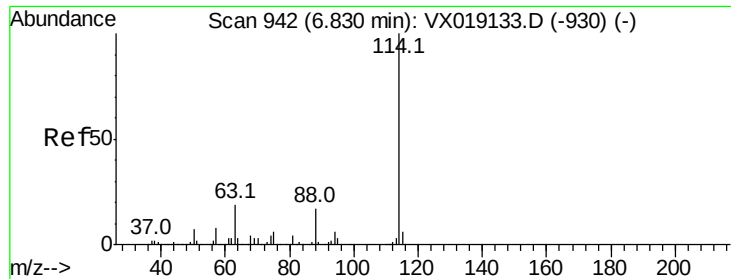
#33
1,2-Dichloroethane-d4
Concen: 56.542 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

Tgt Ion: 65 Resp: 199648
Ion Ratio Lower Upper
65 100
67 51.7 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: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#06

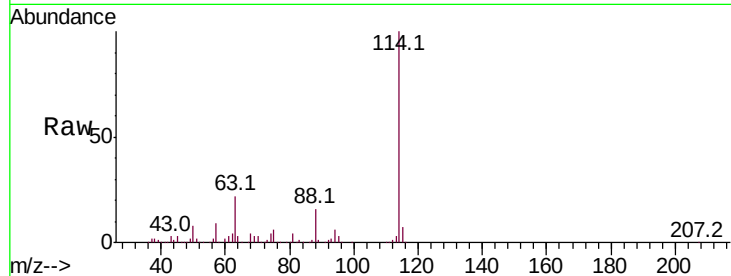
Tot Ion:114 Resp: 489862

Ion Ratio Lower Upper

114 100

63 21.7 0.0 38.8

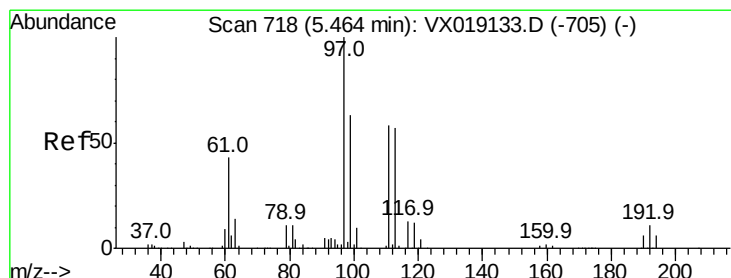
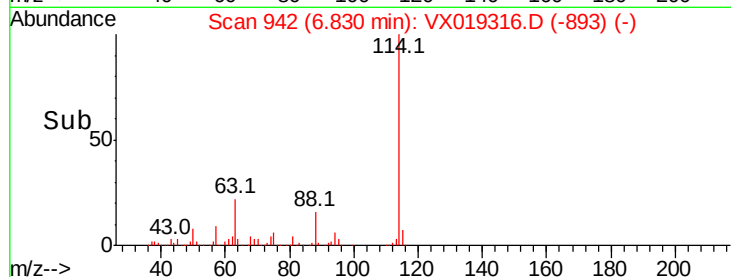
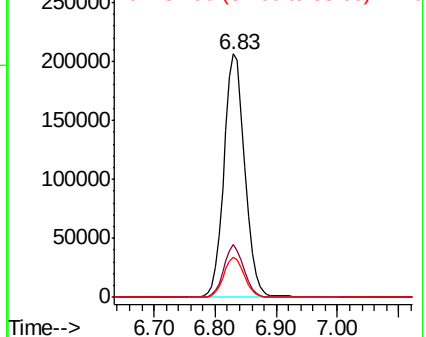
88 16.2 0.0 34.2



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: 51.211 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

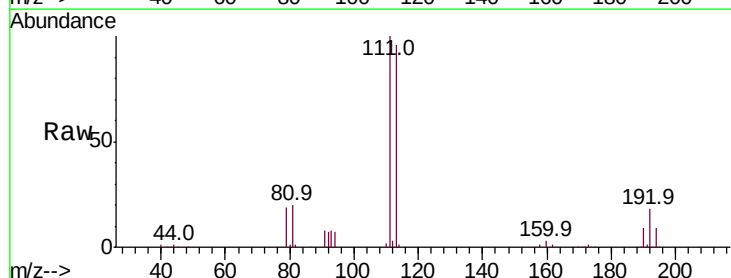
Tgt Ion:113 Resp: 157577

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

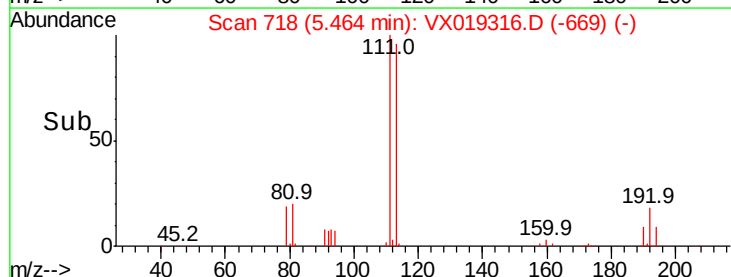
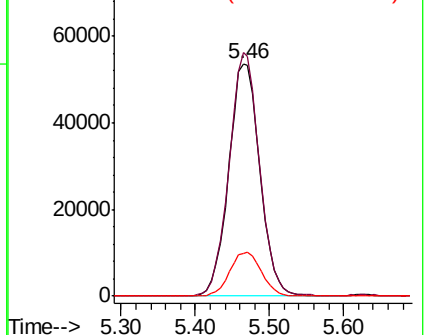
192 19.3 16.2 24.2

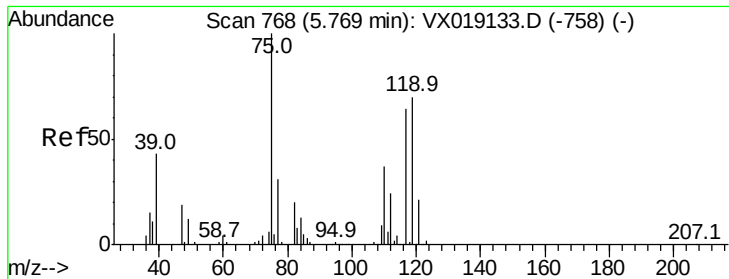


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#06

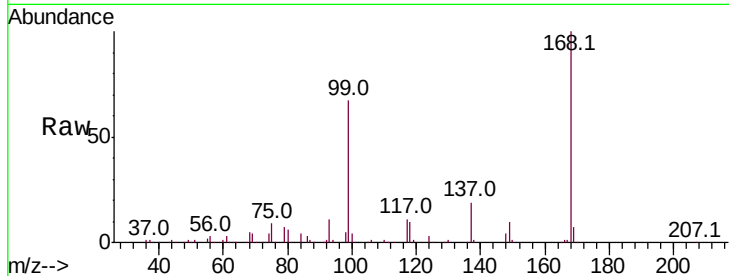
Tot Ion: 75 Resp: 22774

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.9#

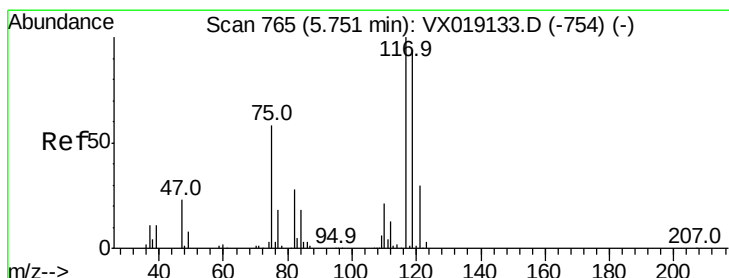
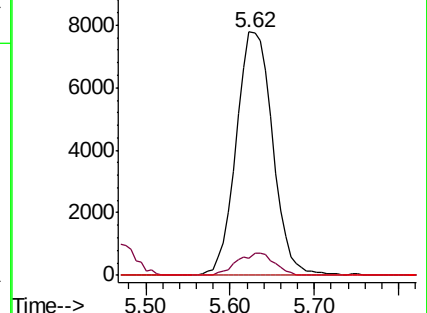
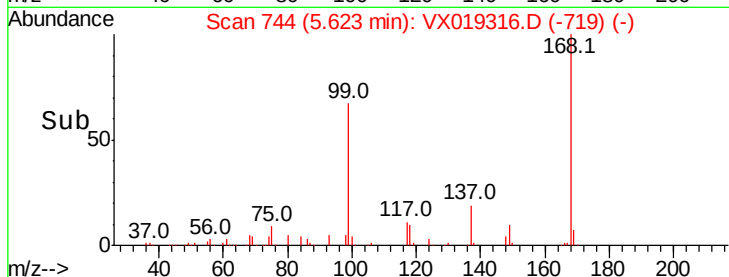
77 0.0 24.9 37.3#



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: 6.220 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

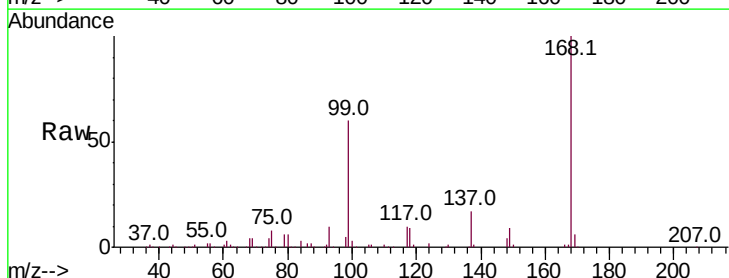
Tgt Ion: 117 Resp: 28680

Ion Ratio Lower Upper

117 100

119 5.2 75.0 112.6#

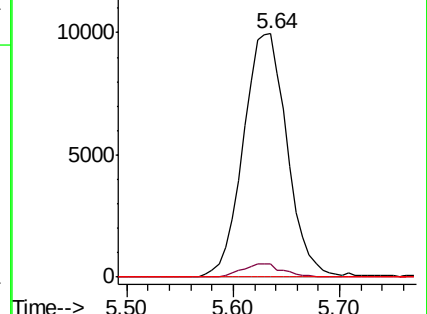
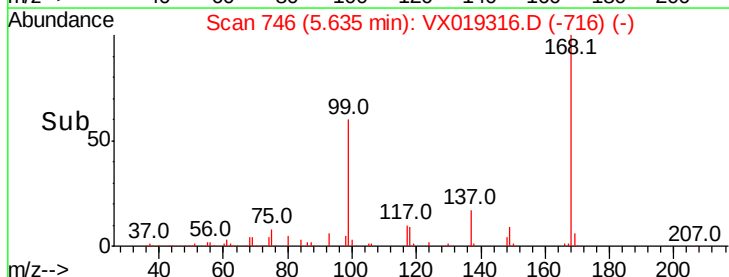
121 0.0 23.9 35.9#

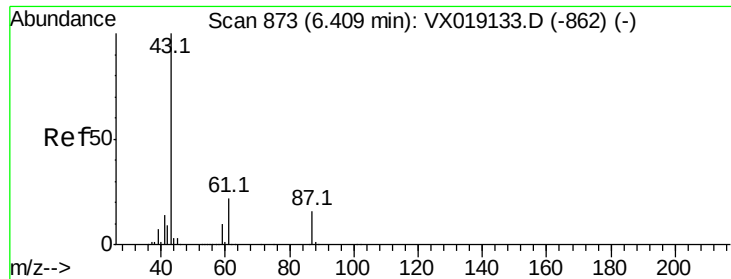


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



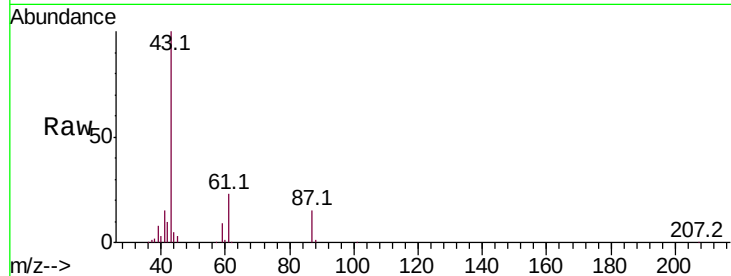


#43

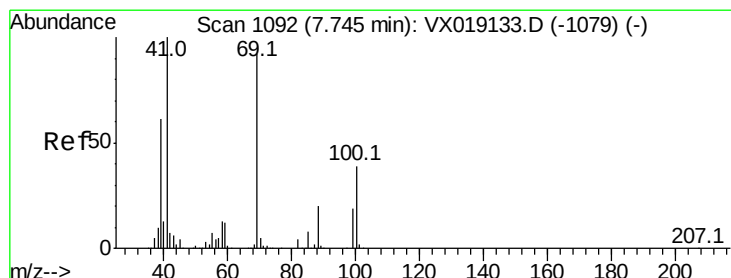
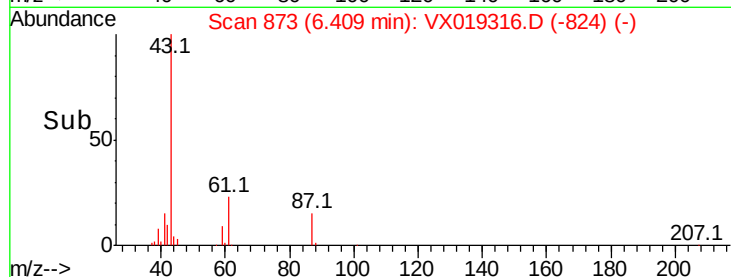
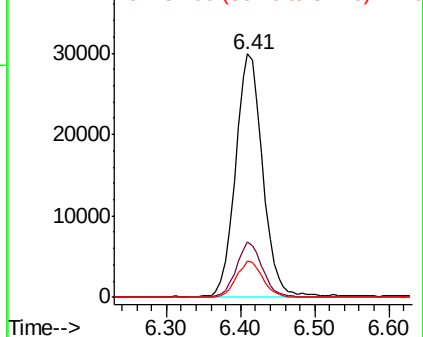
Isopropyl Acetate
 Concen: 10.857 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VX019316.D
 Acq: 05 Nov 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132824ZHE#06

Tot Ion: 43 Resp: 76353
 Ion Ratio Lower Upper
 43 100
 61 21.9 17.8 26.6
 87 14.6 12.6 19.0



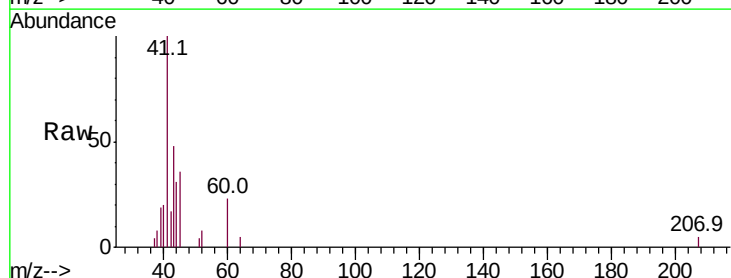
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



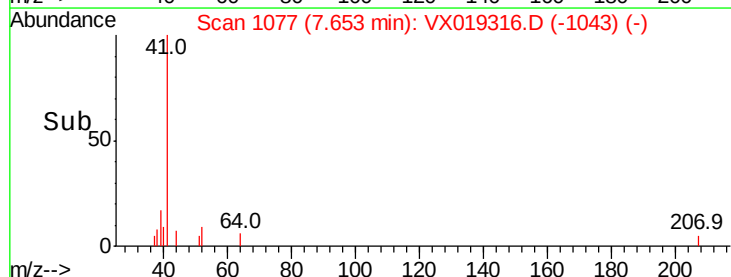
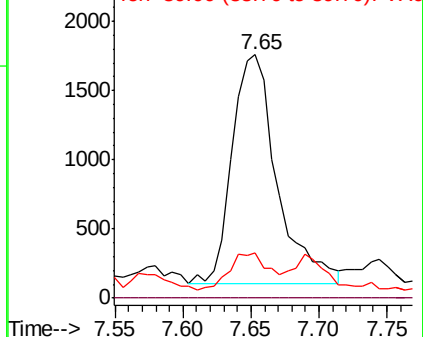
#48

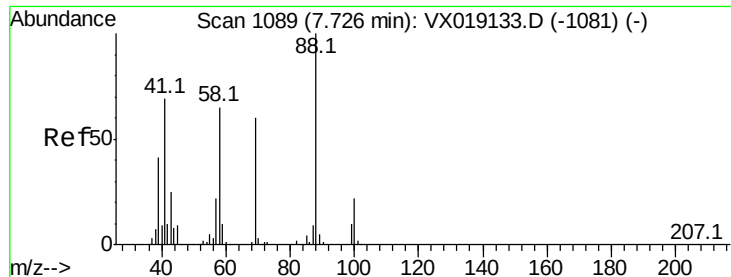
Methyl methacrylate
 Concen: 1.126 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.09 min
 Lab File: VX019316.D
 Acq: 05 Nov 2020 16:03

Tgt Ion: 41 Resp: 3811
 Ion Ratio Lower Upper
 41 100
 69 0.0 75.5 113.3#
 39 0.0 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: 3.295 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.12 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#06

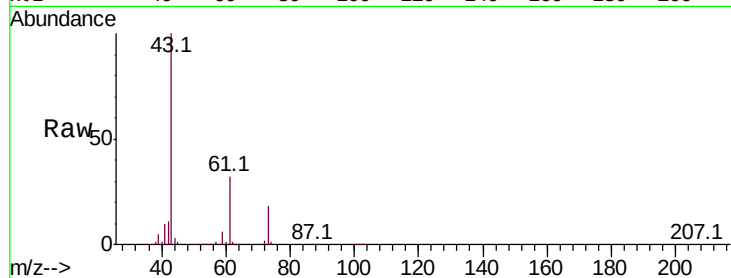
Tot Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 525642.3 23.0 34.6#

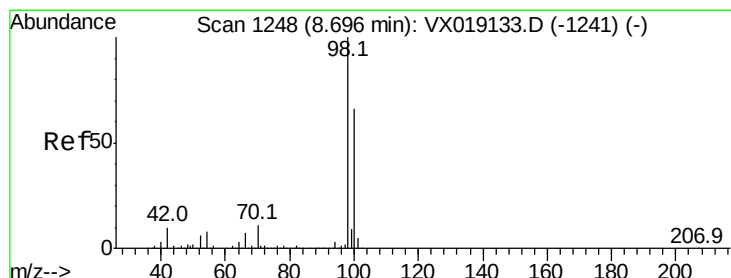
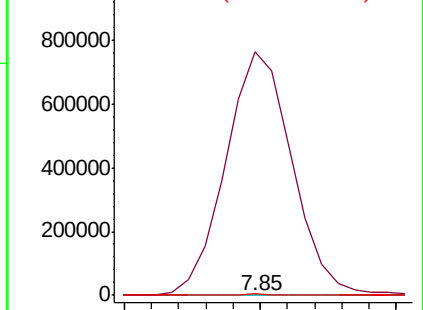
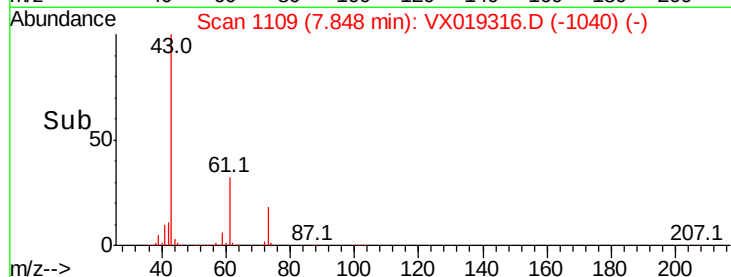
58 2559.7 52.2 78.2#



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: 52.829 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019316.D

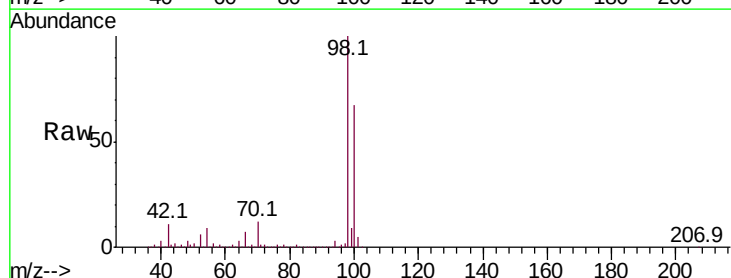
Acq: 05 Nov 2020 16:03

Tgt Ion: 98 Resp: 612773

Ion Ratio Lower Upper

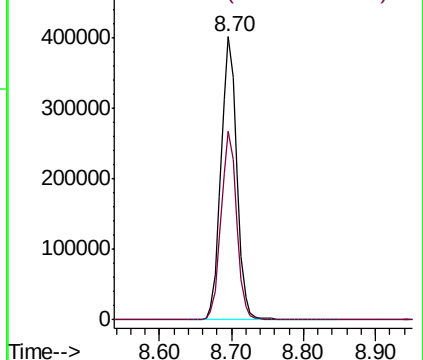
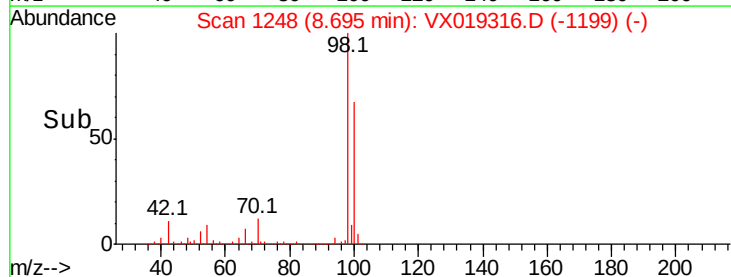
98 100

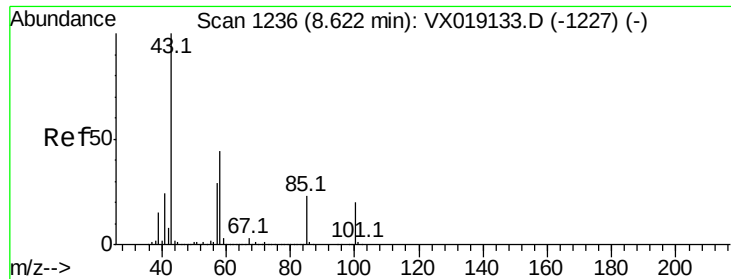
100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 18.736 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

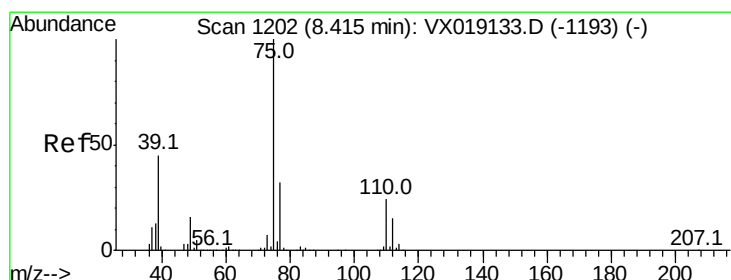
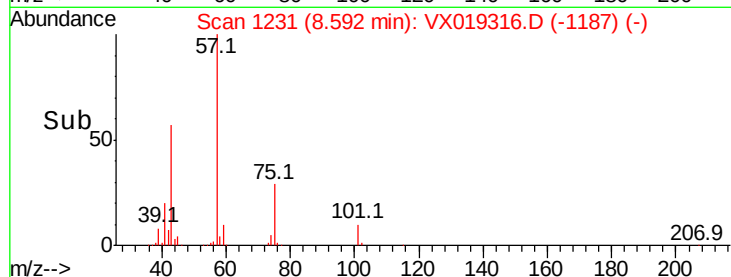
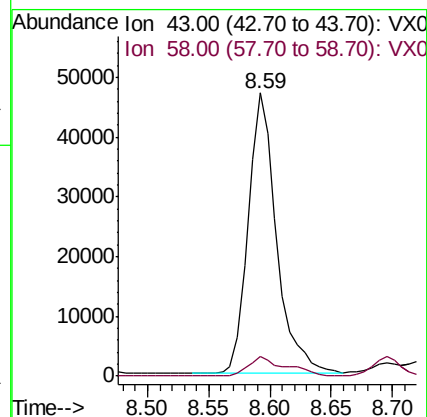
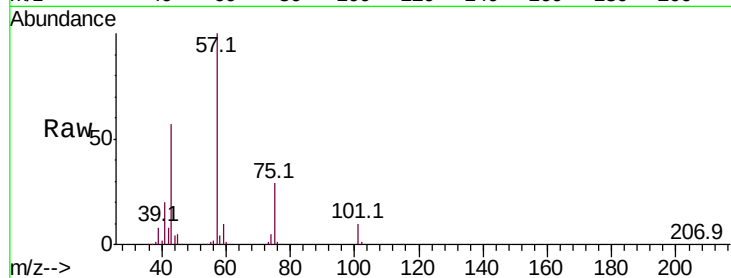
PB132824ZHE#06

Tot Ion: 43 Resp: 75728

Ion Ratio Lower Upper

43 100

58 9.4 35.0 52.4#



#54

cis-1,3-Dichloropropene

Concen: 6.734 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

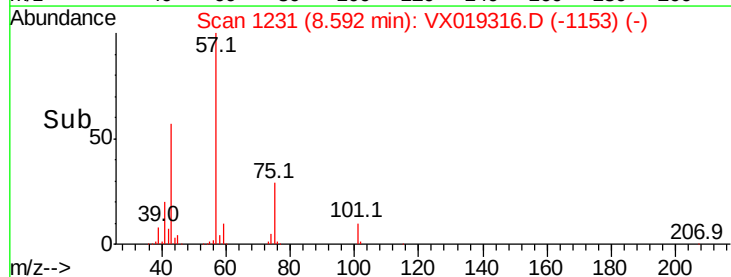
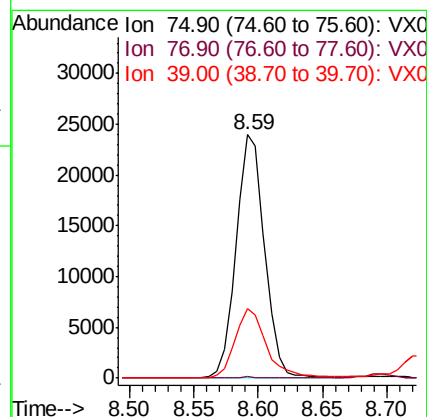
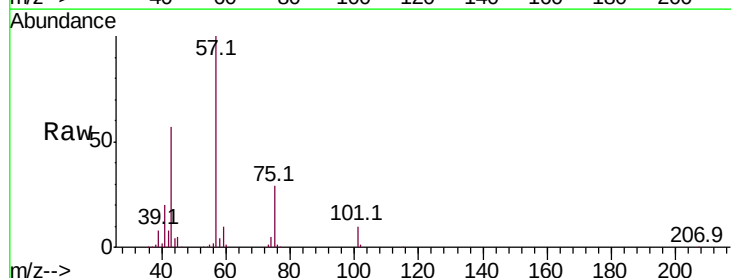
Tgt Ion: 75 Resp: 37031

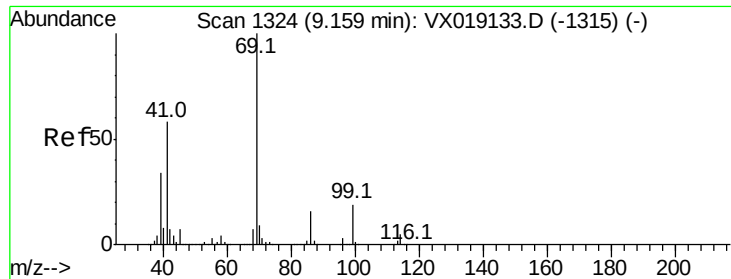
Ion Ratio Lower Upper

75 100

77 0.6 25.5 38.3#

39 28.2 36.2 54.2#





#56

Ethyl methacrylate

Concen: 0.249 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#06

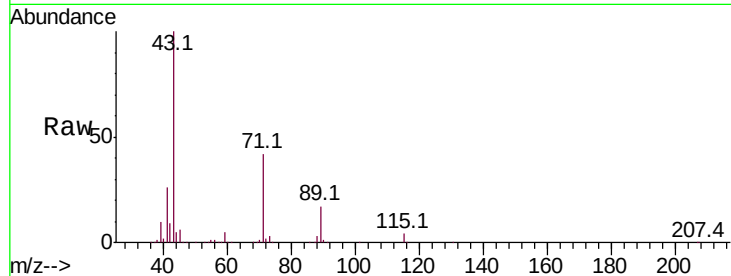
Tot Ion: 69 Resp: 1226

Ion Ratio Lower Upper

69 100

41 5605.1 46.5 69.7#

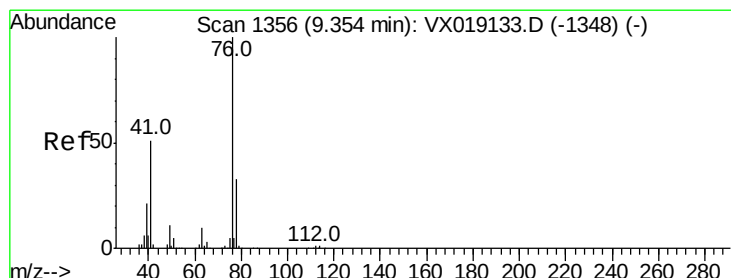
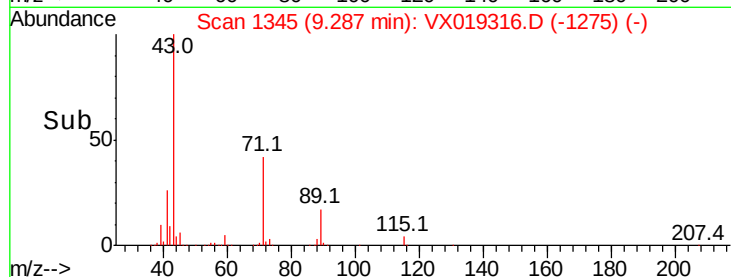
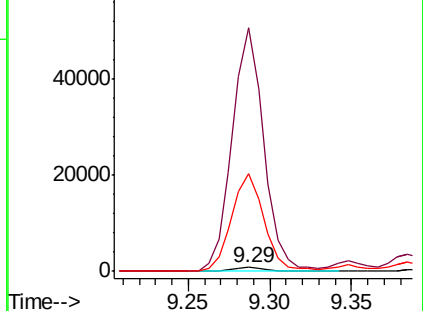
39 2310.0 27.6 41.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.198 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX019316.D

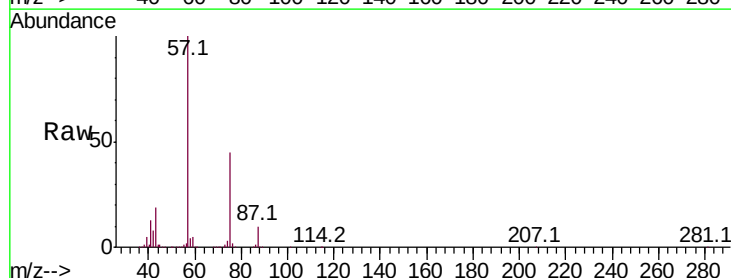
Acq: 05 Nov 2020 16:03

Tgt Ion: 76 Resp: 6594

Ion Ratio Lower Upper

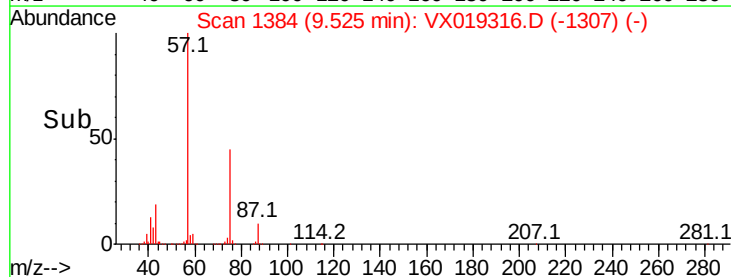
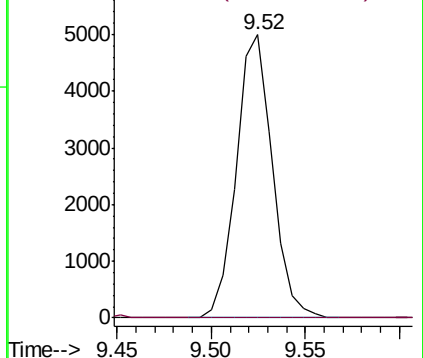
76 100

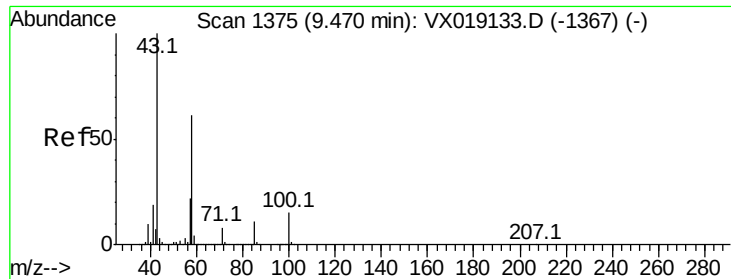
78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

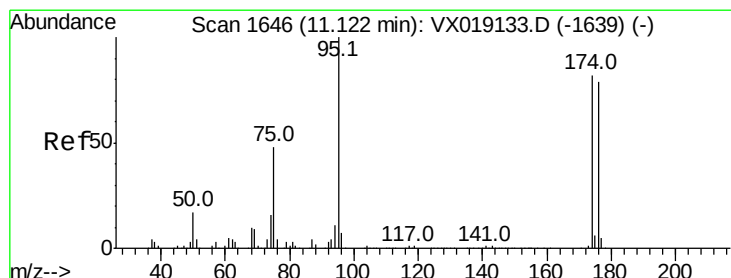
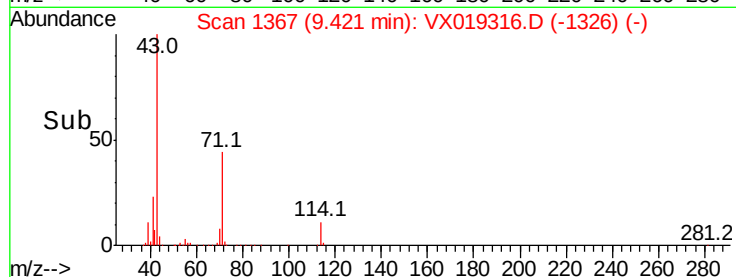
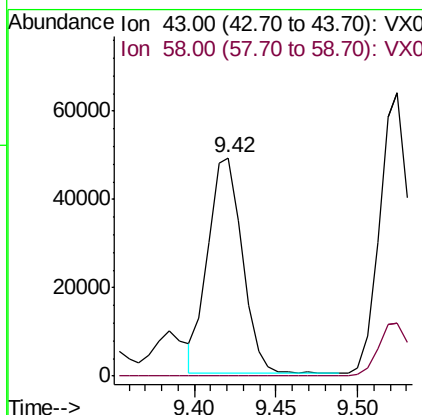
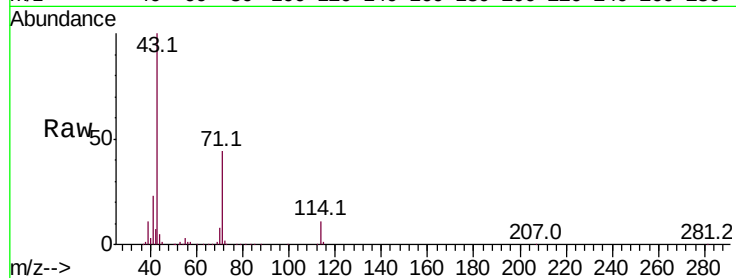




#59
2-Hexanone
Concen: 23.466 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

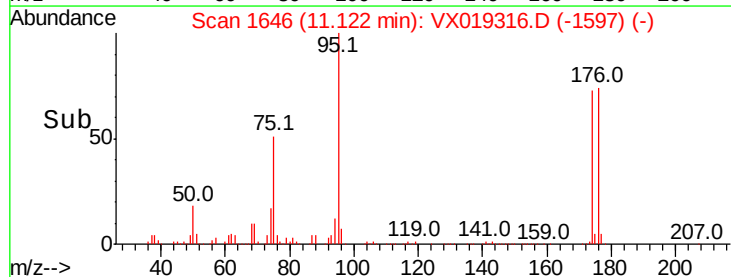
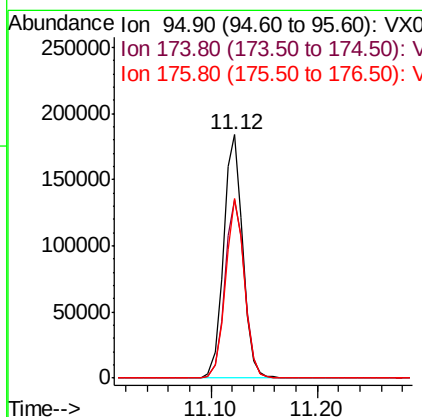
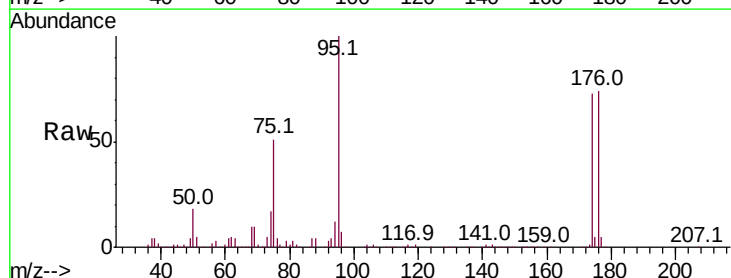
Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#06

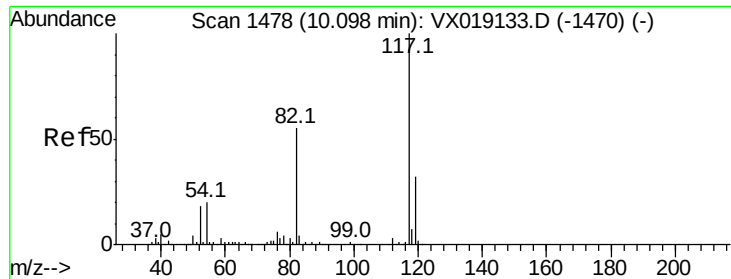
Tot Ion: 43 Resp: 72199
Ion Ratio Lower Upper
43 100
58 0.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 52.642 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

Tgt Ion: 95 Resp: 231240
Ion Ratio Lower Upper
95 100
174 75.3 0.0 156.0
176 72.8 0.0 149.8

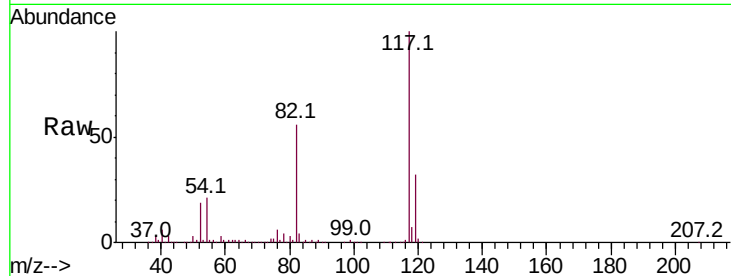




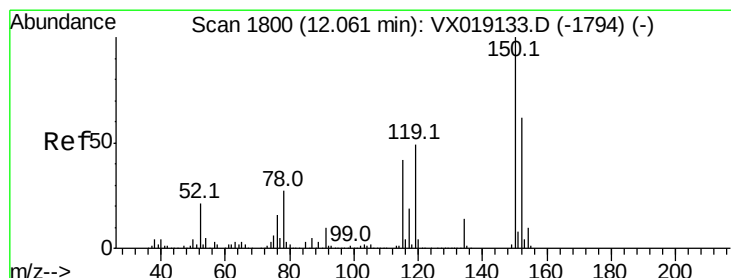
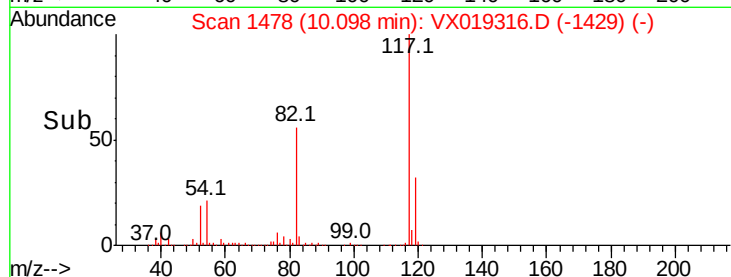
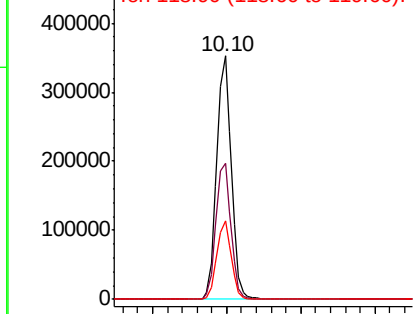
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#06

Tot Ion:117 Resp: 474044
Ion Ratio Lower Upper
117 100
82 56.0 43.6 65.4
119 32.1 25.5 38.3

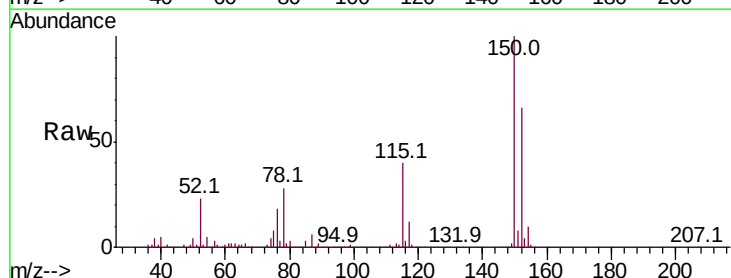


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

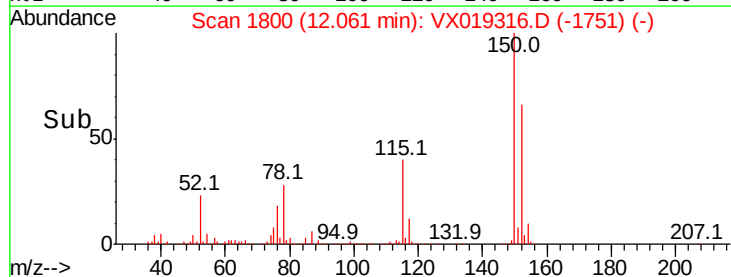
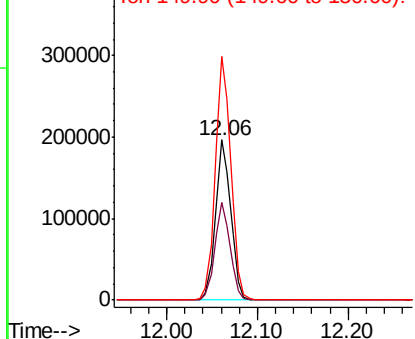


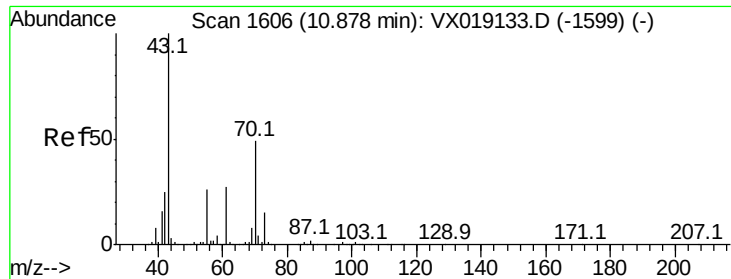
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

Tgt Ion:152 Resp: 233976
Ion Ratio Lower Upper
152 100
115 61.0 41.9 125.7
150 155.1 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

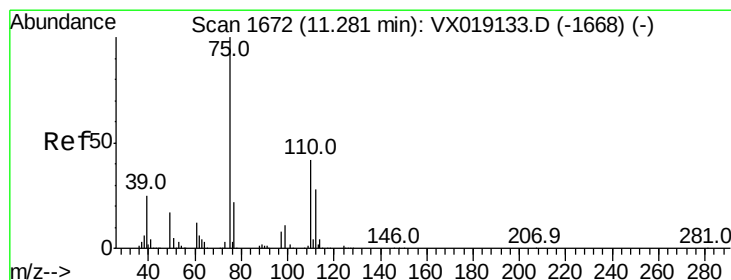
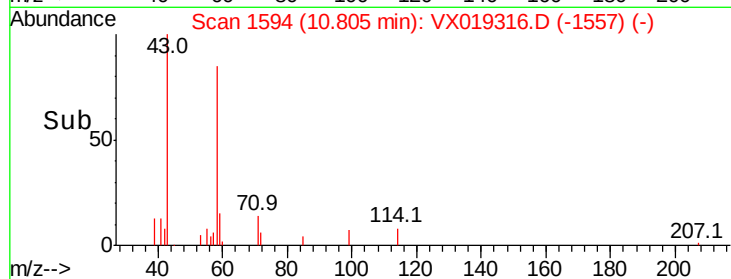
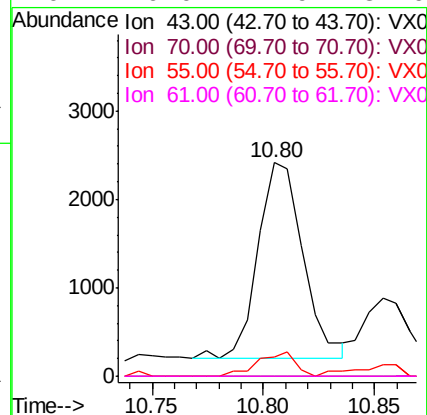
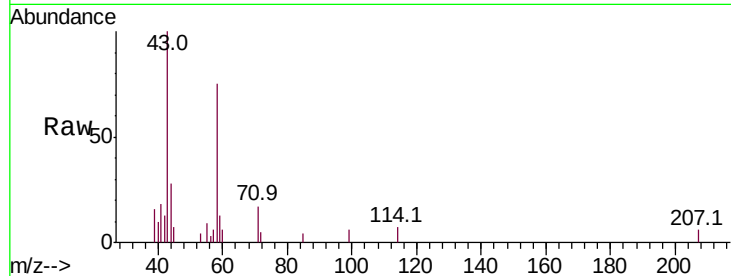




#74
N-amvl acetate
Concen: 0.515 ug/l
RT: 10.80 min Scan# 1594
Delta R.T. -0.07 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

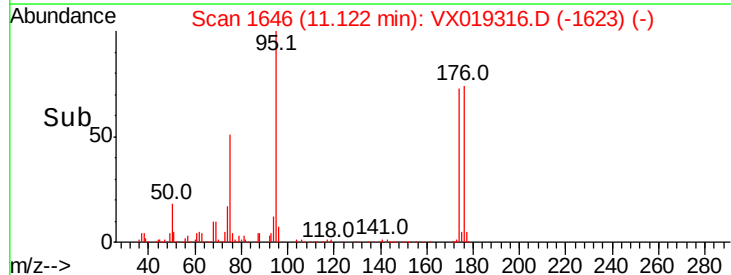
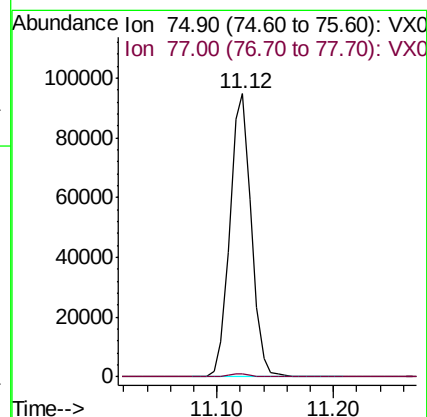
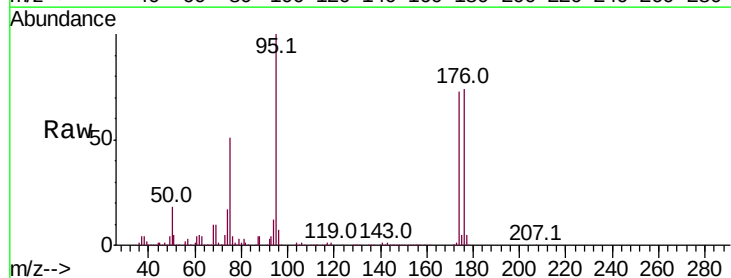
Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#06

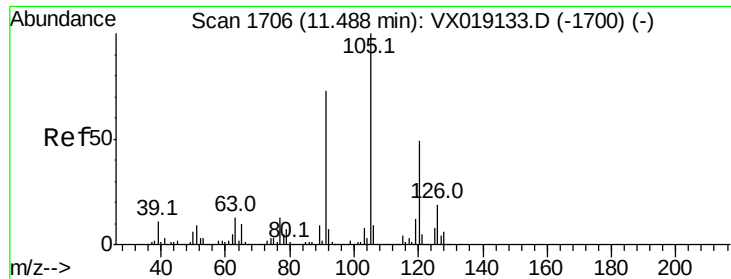
Tot Ion: 43 Resp: 3118
Ion Ratio Lower Upper
43 100
70 0.0 39.6 59.4#
55 10.4 20.7 31.1#
61 0.0 21.9 32.9#



#76
1,2,3-Trichloropropane
Concen: 24.965 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX019316.D
Acq: 05 Nov 2020 16:03

Tgt Ion: 75 Resp: 120608
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#





#80

1,3,5-Trimethylbenzene

Concen: 0.766 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

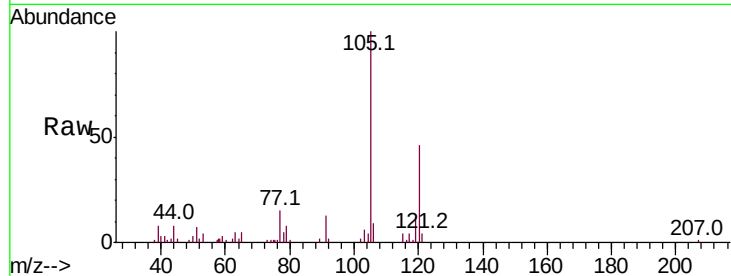
PB132824ZHE#06

Tot Ion:105 Resp: 10721

Ion Ratio Lower Upper

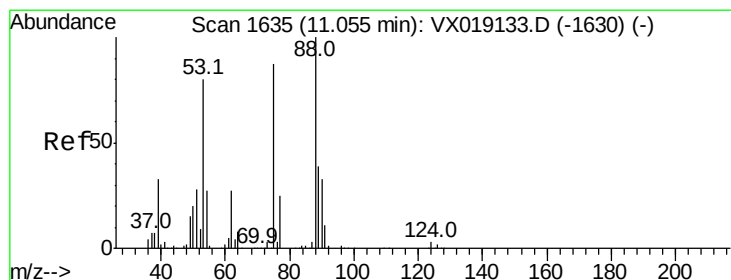
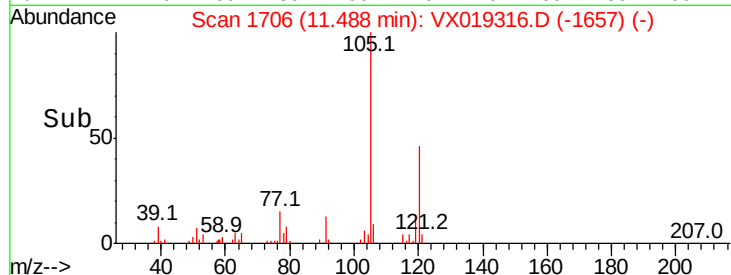
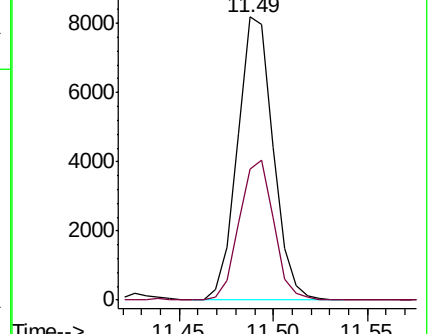
105 100

120 47.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.732 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019316.D

Acq: 05 Nov 2020 16:03

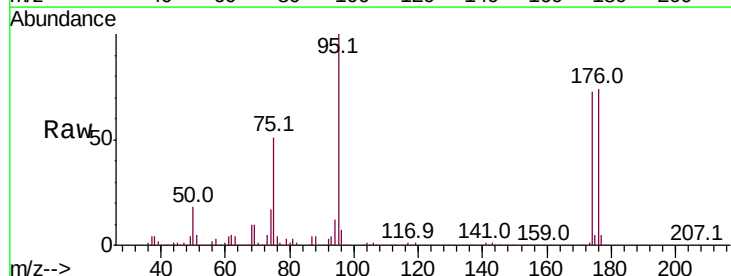
Tgt Ion: 75 Resp: 120608

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

