

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019320.D
 Acq On : 05 Nov 2020 17:33
 Operator : JC/MD
 Sample : PB132824ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132824ZHE#10

Quant Time: Nov 06 01:09:30 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	266679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	479146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228595	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	196521	57.14	ug/l	0.00
Spiked Amount			Recovery	=	114.28%	
35) Dibromofluoromethane	5.47	113	153566	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
50) Toluene-d8	8.70	98	603147	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	11.12	95	228710	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	

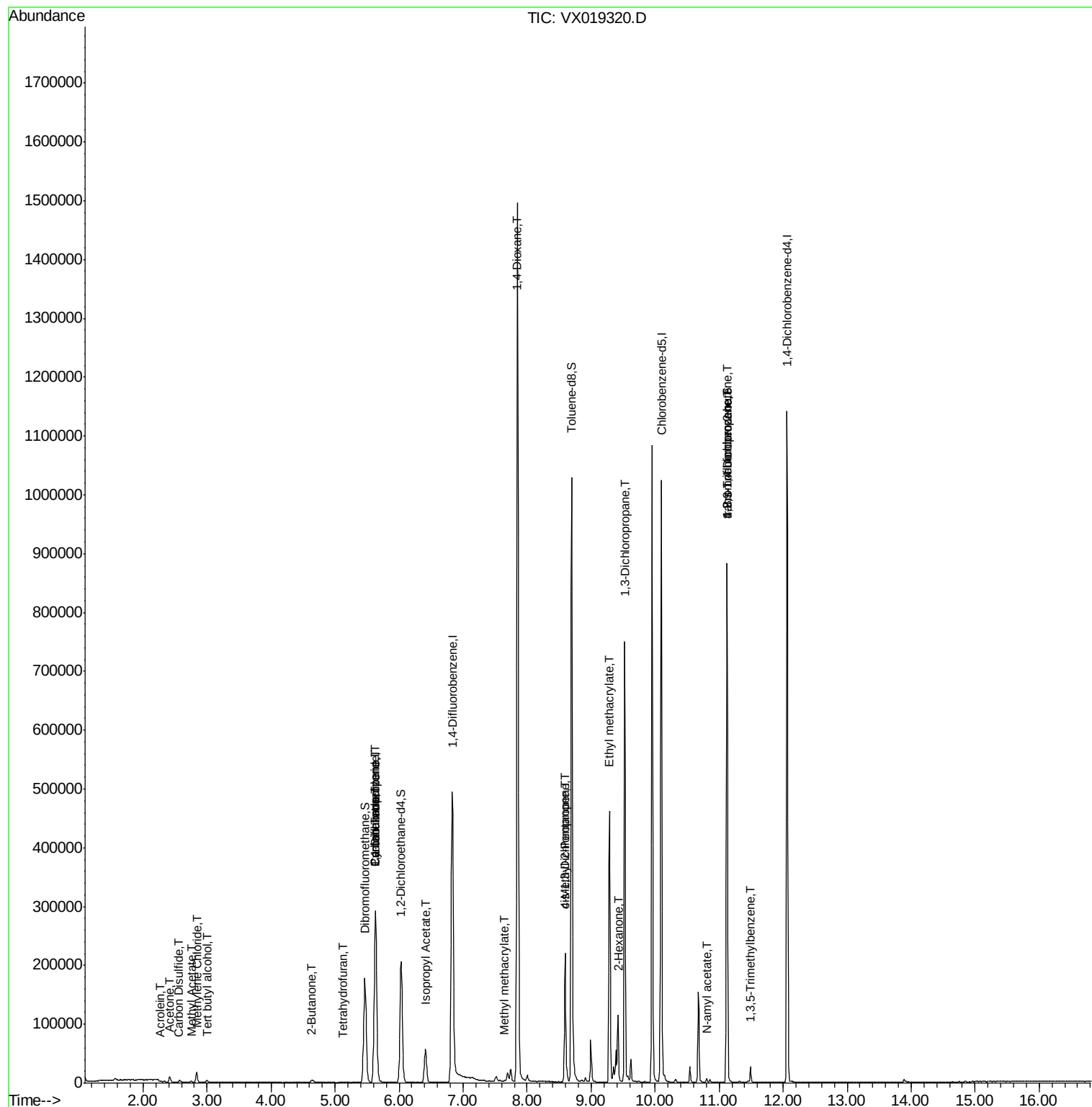
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	2048	3.015	ug/l #	72
13) Acrolein	2.26	56	101	5.973	ug/l #	1
16) Acetone	2.42	43	9642	8.127	ug/l	100
17) Carbon Disulfide	2.55	76	332	0.804	ug/l #	75
18) Methyl Acetate	2.75	43	3900	1.352	ug/l #	86
20) Methylene Chloride	2.84	84	7549	2.534	ug/l #	85
25) 2-Butanone	4.64	43	1631	0.872	ug/l #	69
29) Tetrahydrofuran	5.11	42	1120	0.950	ug/l #	66
31) Cyclohexane	5.63	56	6079	1.398	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22335	5.048	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28718	6.368	ug/l #	17
43) Isopropyl Acetate	6.41	43	75869	11.030	ug/l	99
48) Methyl methacrylate	7.65	41	4079	1.232	ug/l #	9
49) 1,4-Dioxane	7.85	88	296	4.020	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	76012	19.226	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	37177	6.911	ug/l #	61
56) Ethyl methacrylate	9.28	69	1309	0.271	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	6878	1.278	ug/l #	42
59) 2-Hexanone	9.42	43	73942	24.570	ug/l #	20
74) N-amyl acetate	10.81	43	3273	0.553	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	116388	24.658	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	11475	0.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	116388	64.925	ug/l #	12

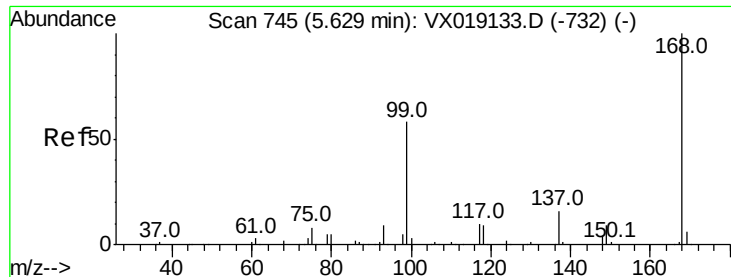
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 01:09:30 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: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

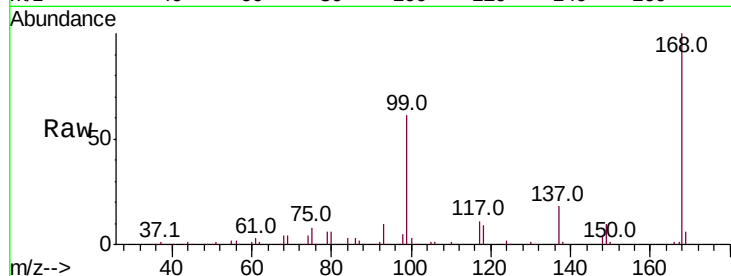
PB132824ZHE#10

Tot Ion:168 Resp: 266679

Ion Ratio Lower Upper

168 100

99 61.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

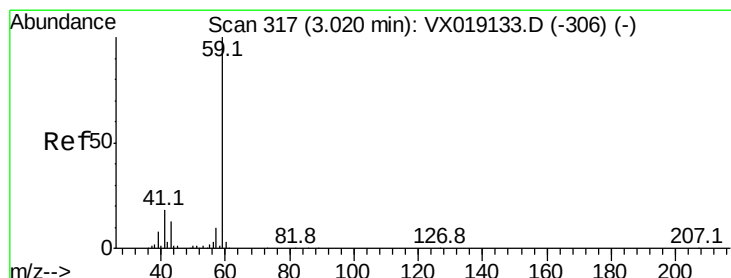
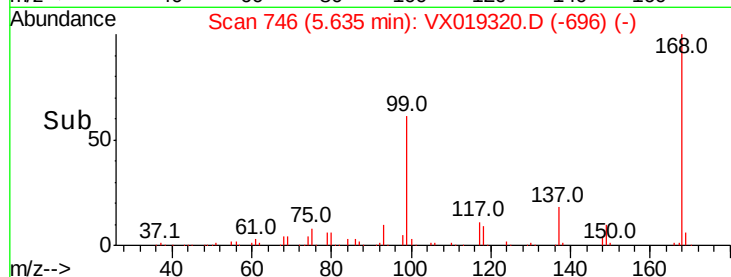
40000

20000

0

Time-->

5.50 5.60 5.70



#11

Tert butyl alcohol

Concen: 3.015 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019320.D

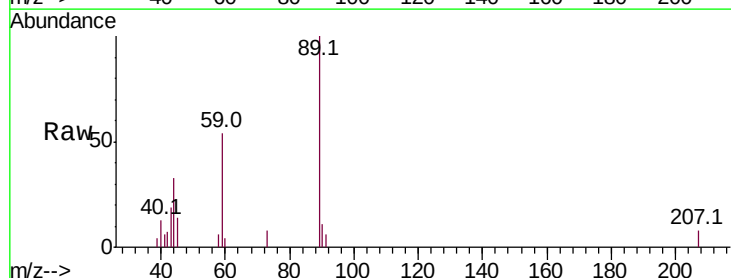
Acq: 05 Nov 2020 17:33

Tgt Ion: 59 Resp: 2048

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

800

600

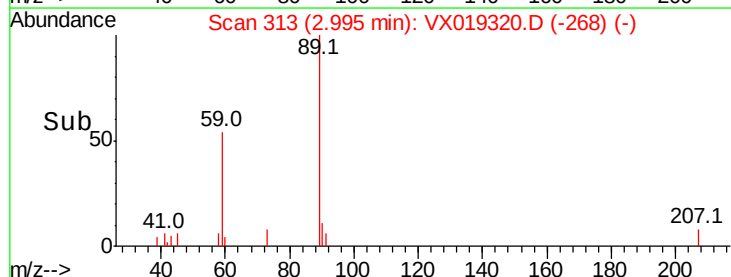
400

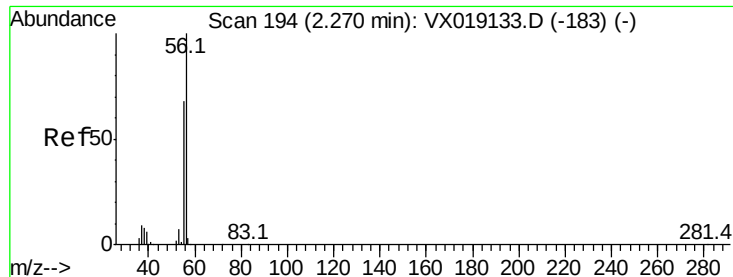
200

0

Time-->

2.95 3.00 3.05





#13

Acrolein

Concen: 5.973 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

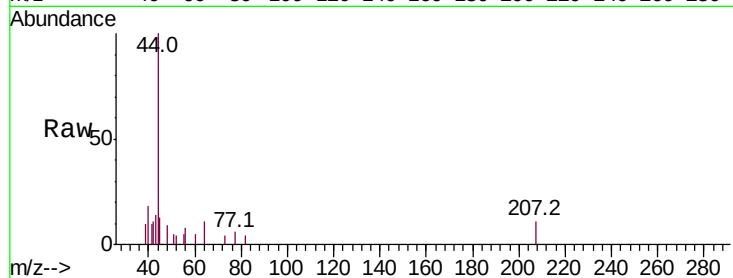
PB132824ZHE#10

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

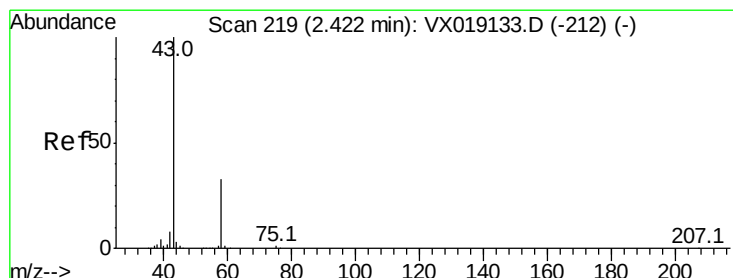
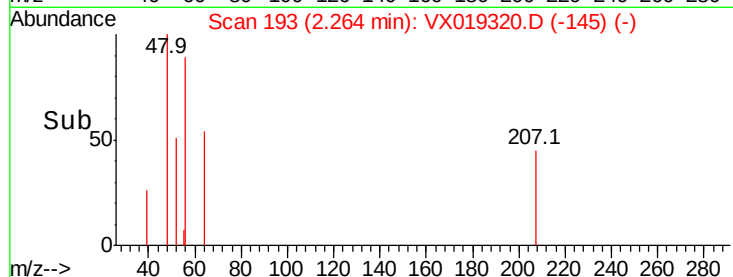
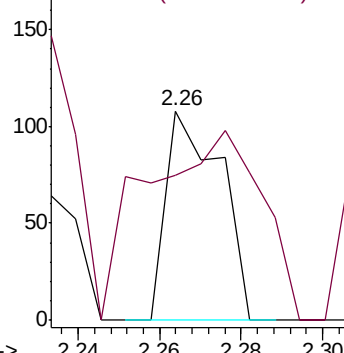
56 100

55 191.1 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 8.127 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019320.D

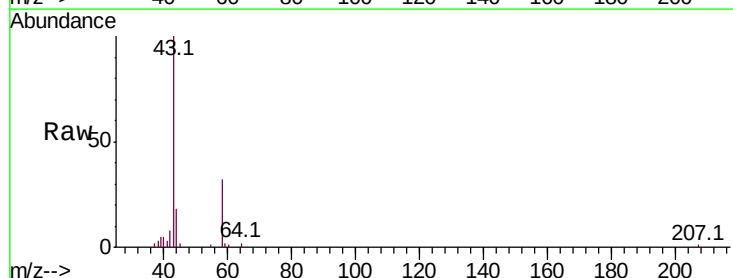
Acq: 05 Nov 2020 17:33

Tgt Ion: 43 Resp: 9642

Ion Ratio Lower Upper

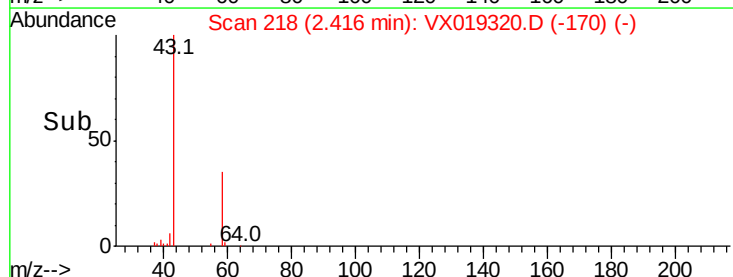
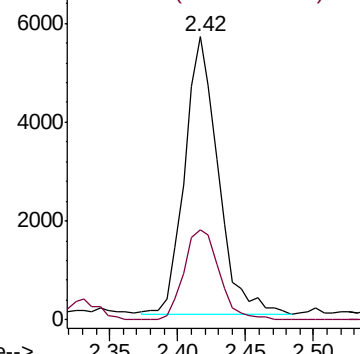
43 100

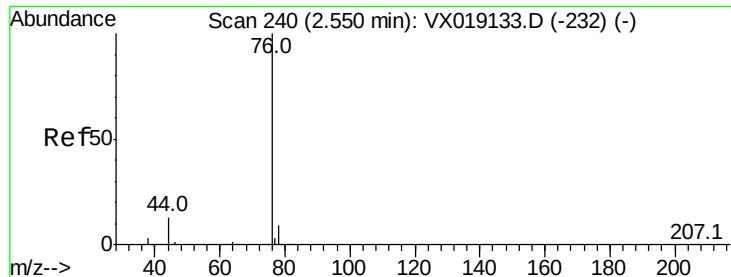
58 32.6 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.804 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

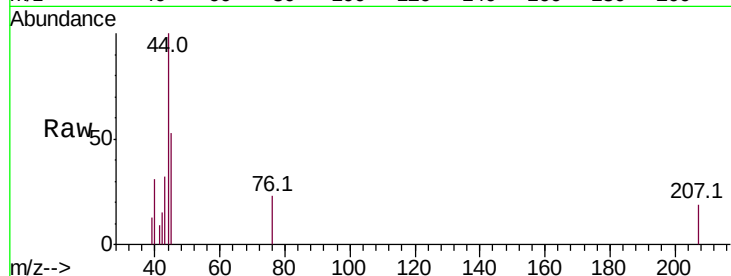
PB132824ZHE#10

Tot Ion: 76 Resp: 332

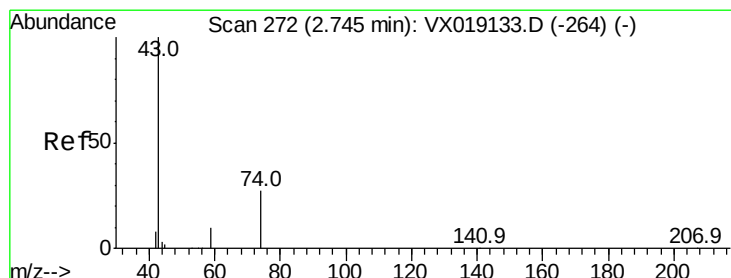
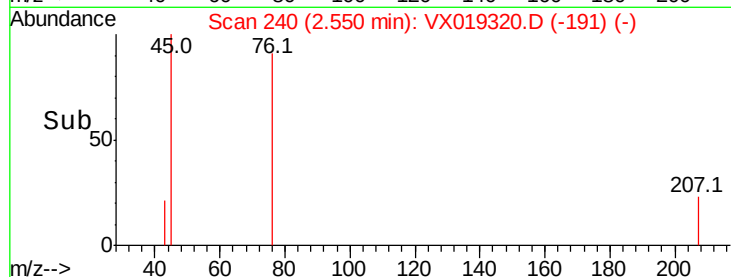
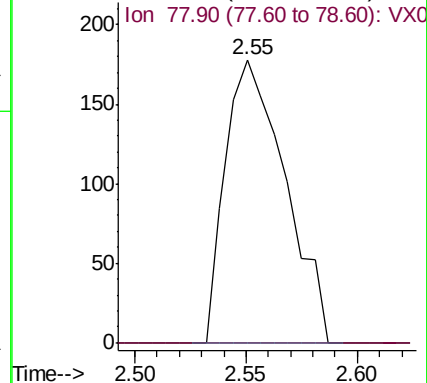
Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0



#18

Methyl Acetate

Concen: 1.352 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019320.D

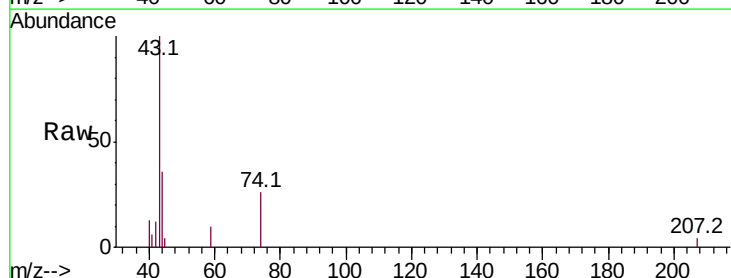
Acq: 05 Nov 2020 17:33

Tgt Ion: 43 Resp: 3900

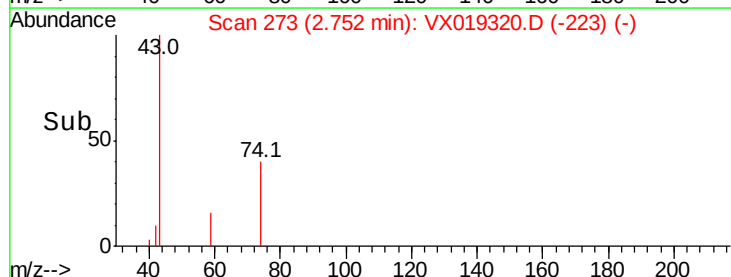
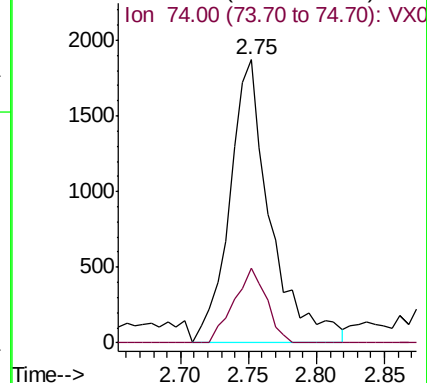
Ion Ratio Lower Upper

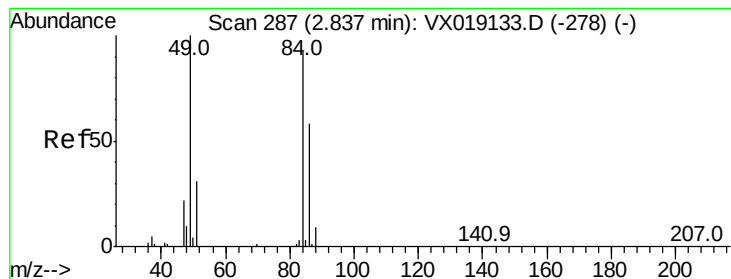
43 100

74 20.9 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0





#20

Methvlene Chloride

Concen: 2.534 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#10

Tot Ion: 84 Resp: 7549

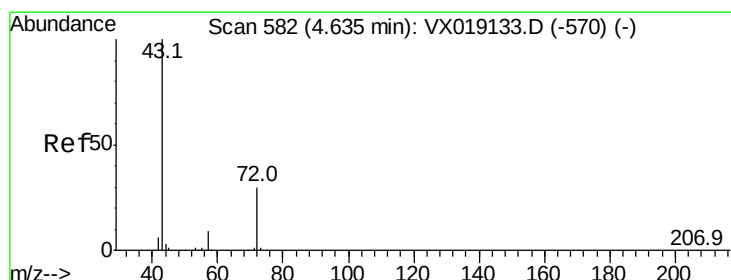
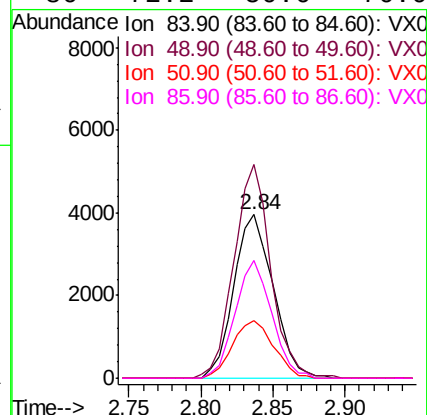
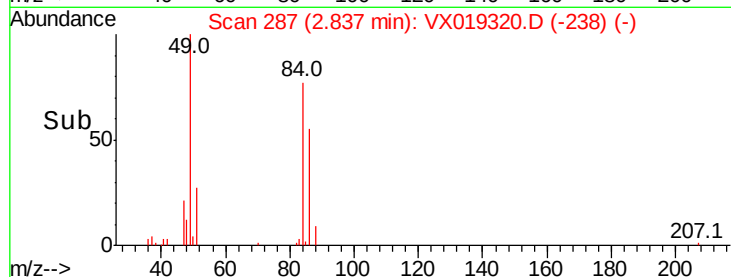
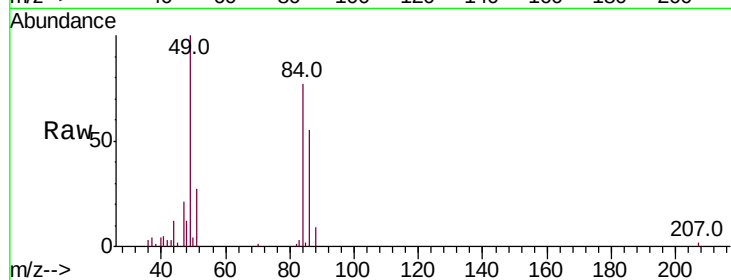
Ion Ratio Lower Upper

84 100

49 130.6 86.8 130.2#

51 35.1 27.3 40.9

86 72.2 50.6 76.0



#25

2-Butanone

Concen: 0.872 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019320.D

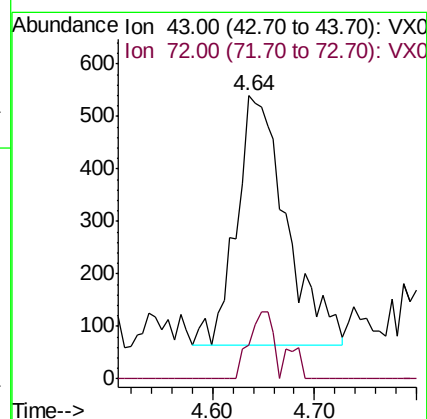
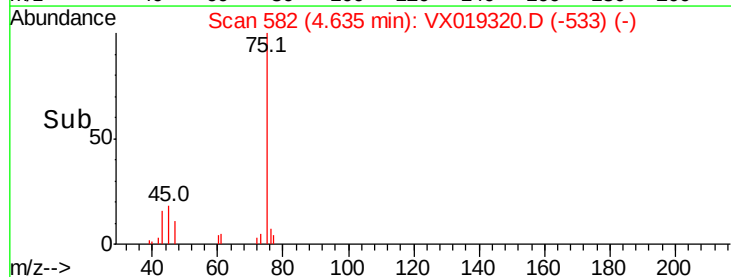
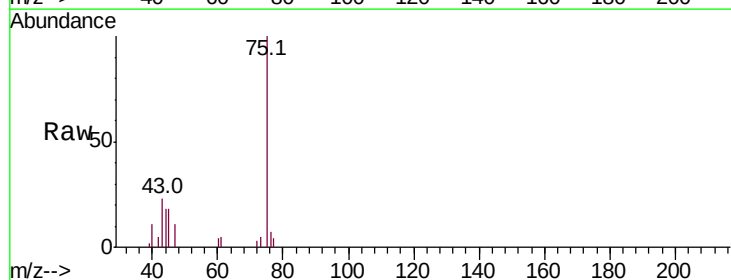
Acq: 05 Nov 2020 17:33

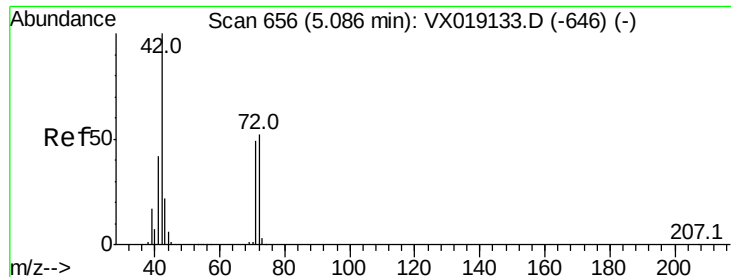
Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

43 100

72 13.7 24.6 36.8#





#29

Tetrahydrofuran

Concen: 0.950 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#10

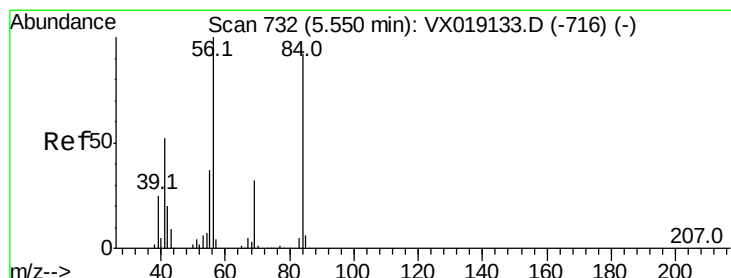
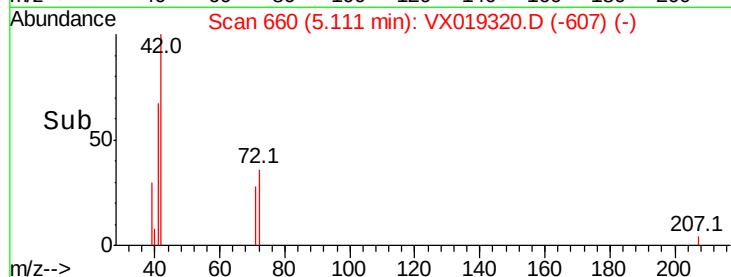
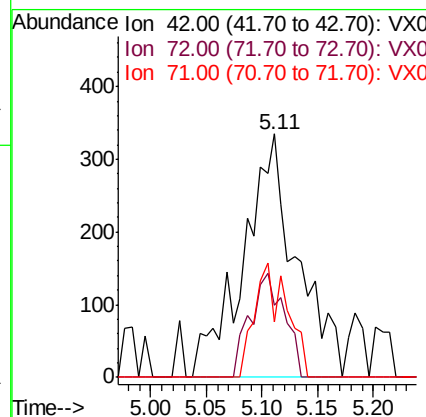
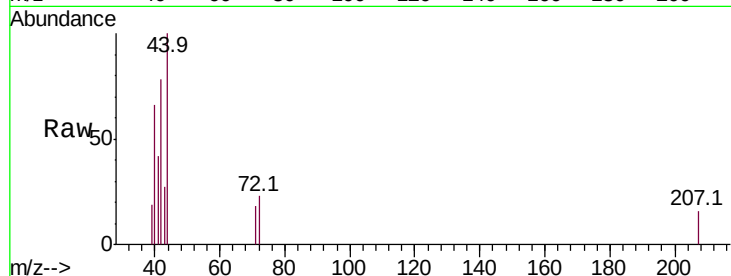
Tot Ion: 42 Resp: 1120

Ion Ratio Lower Upper

42 100

72 27.1 42.6 63.8#

71 28.5 39.7 59.5#



#31

Cyclohexane

Concen: 1.398 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

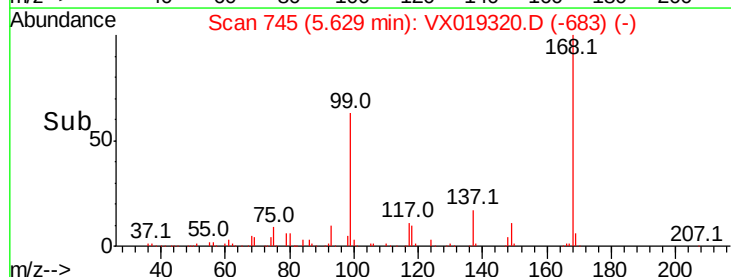
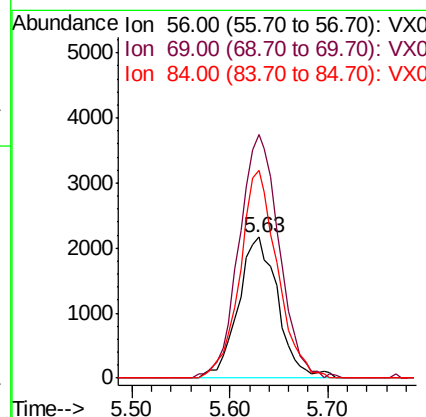
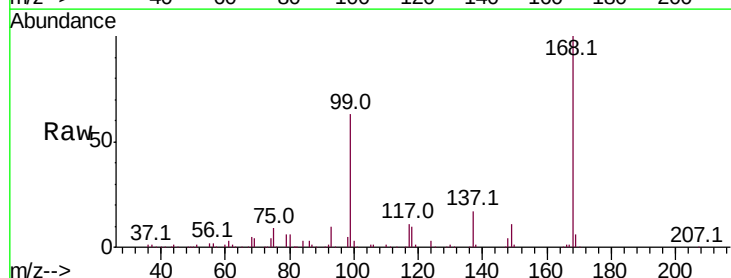
Tgt Ion: 56 Resp: 6079

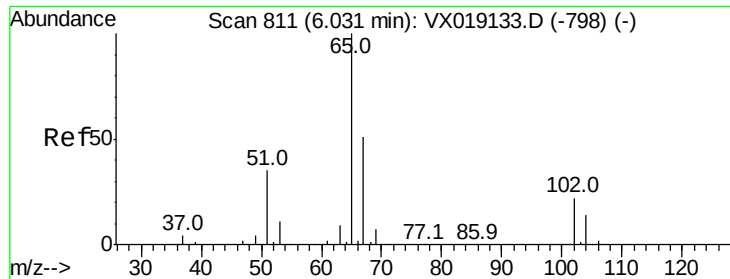
Ion Ratio Lower Upper

56 100

69 172.9 25.9 38.9#

84 147.9 73.4 110.2#

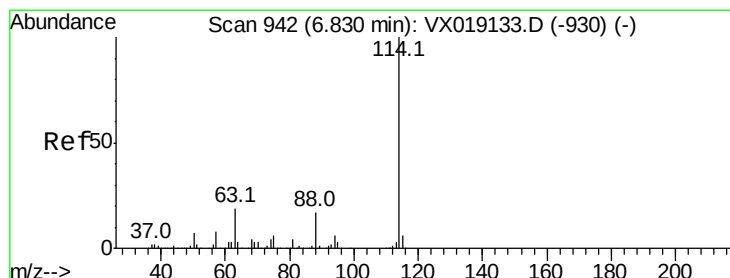
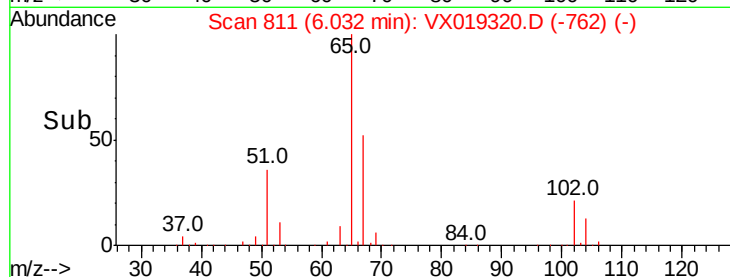
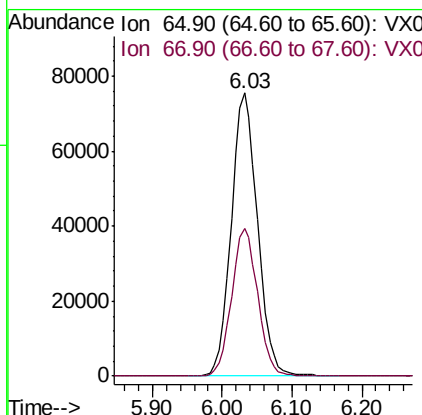
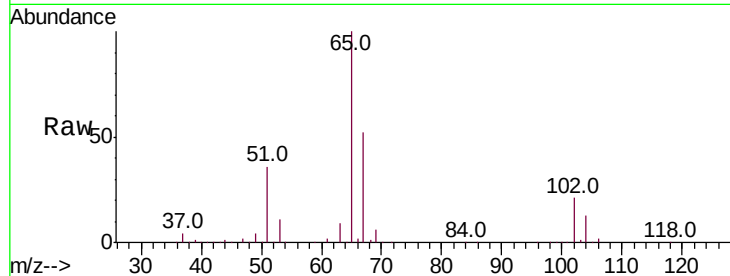




#33
 1,2-Dichloroethane-d4
 Concen: 57.142 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019320.D
 Acq: 05 Nov 2020 17:33

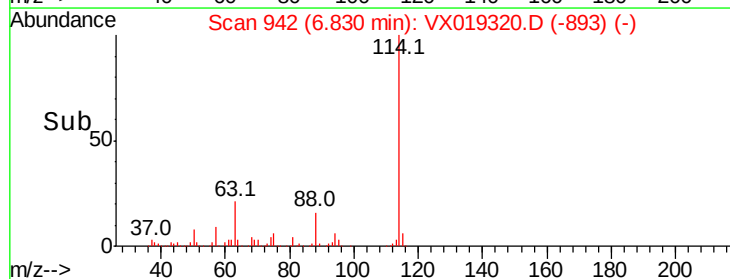
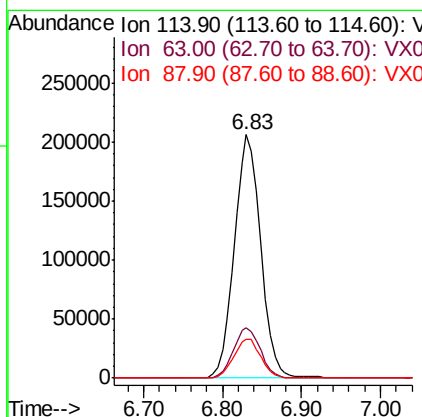
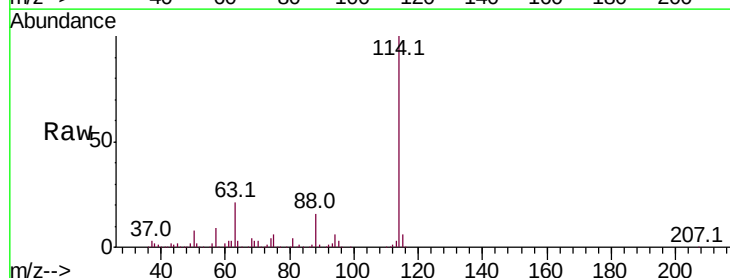
Instrument :
 MSVOA_X
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 PB132824ZHE#10

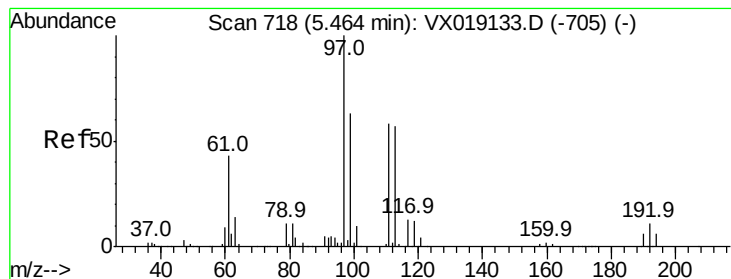
Tot Ion: 65 Resp: 196521
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019320.D
 Acq: 05 Nov 2020 17:33

Tgt Ion: 114 Resp: 479146
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 15.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.024 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#10

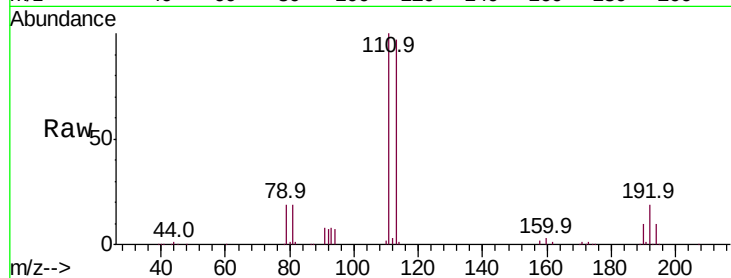
Tot Ion:113 Resp: 153566

Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

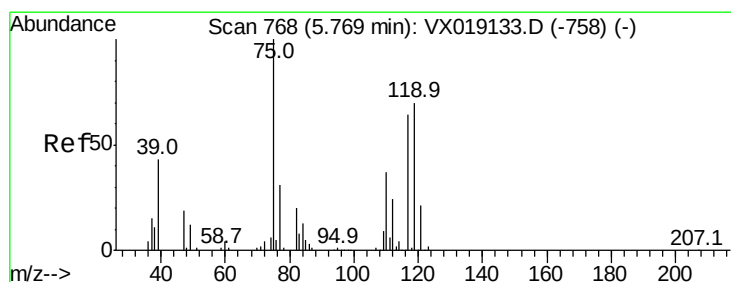
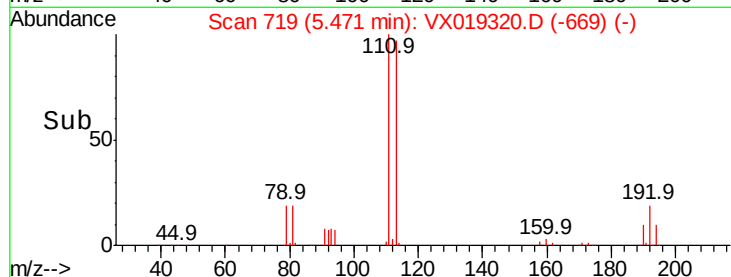
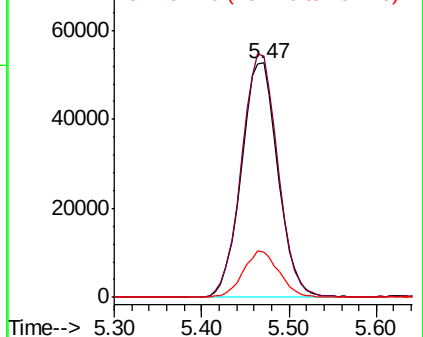
192 19.3 16.2 24.2



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: 5.048 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

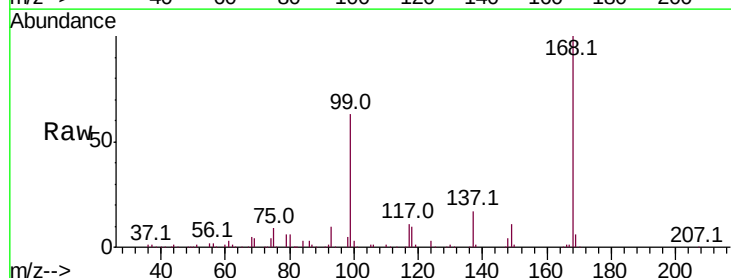
Tgt Ion: 75 Resp: 22335

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.9#

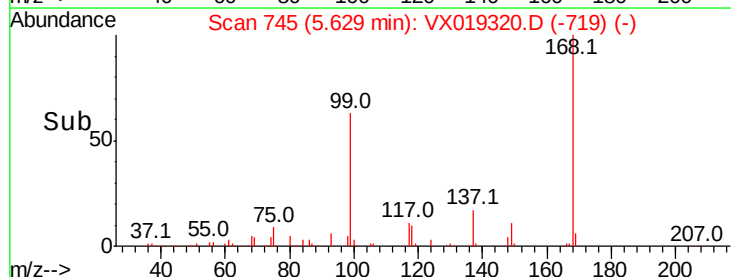
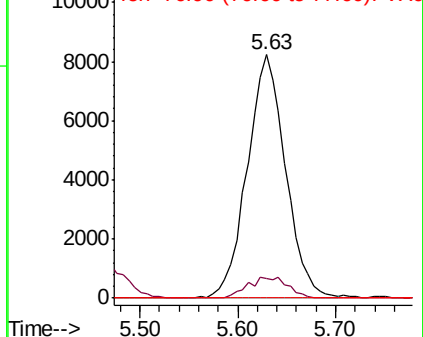
77 0.0 24.9 37.3#

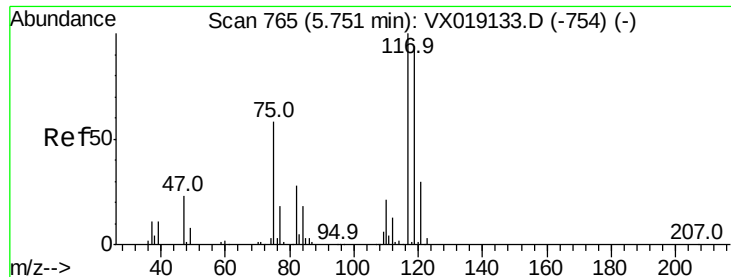


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.368 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#10

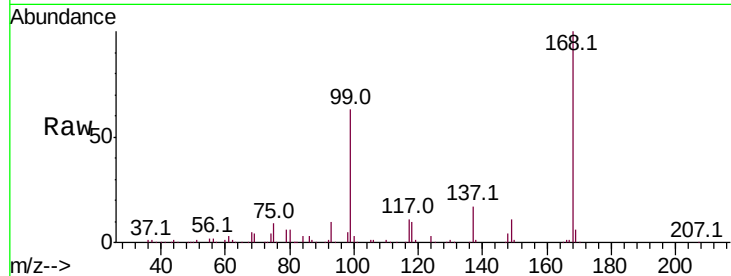
Tot Ion:117 Resp: 28718

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

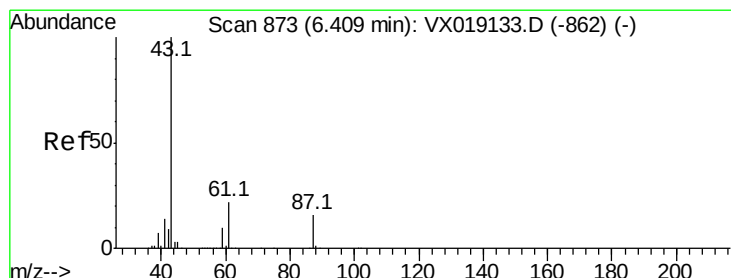
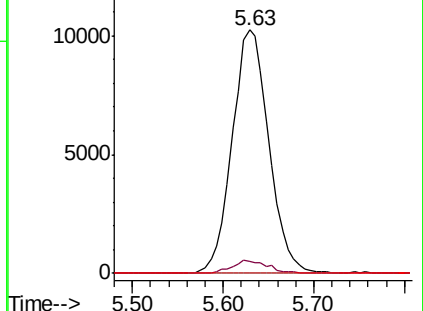
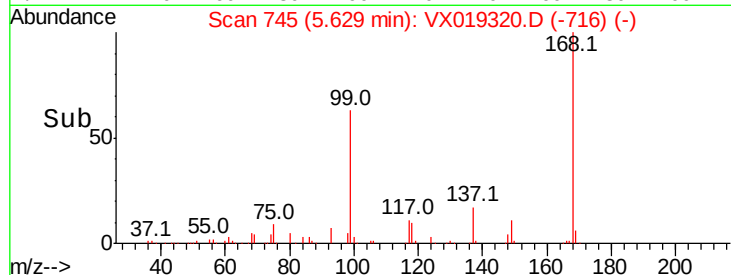
121 0.0 23.9 35.9#



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: 11.030 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

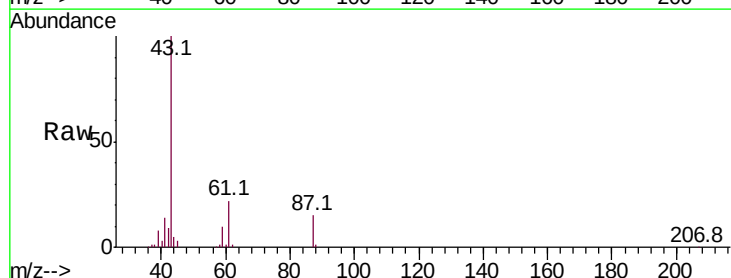
Tgt Ion: 43 Resp: 75869

Ion Ratio Lower Upper

43 100

61 21.8 17.8 26.6

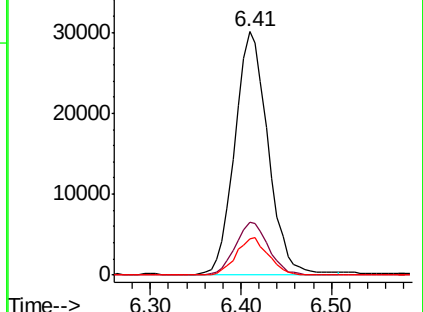
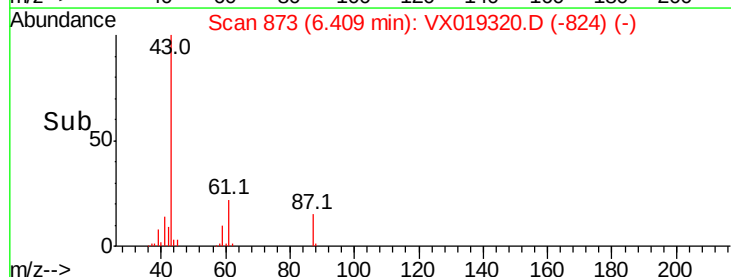
87 15.0 12.6 19.0

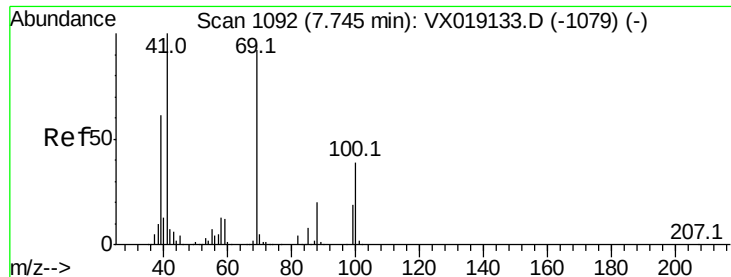


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

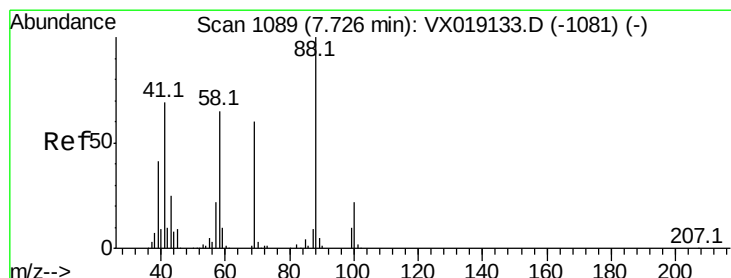
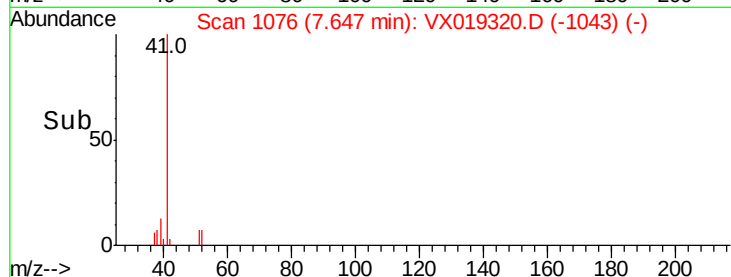
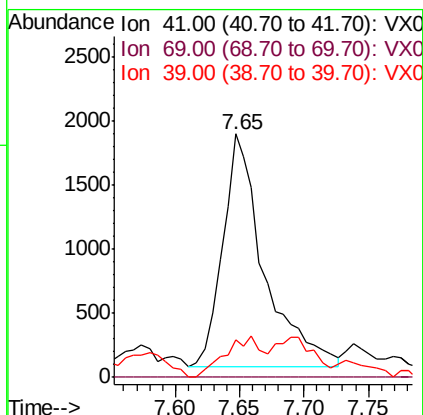
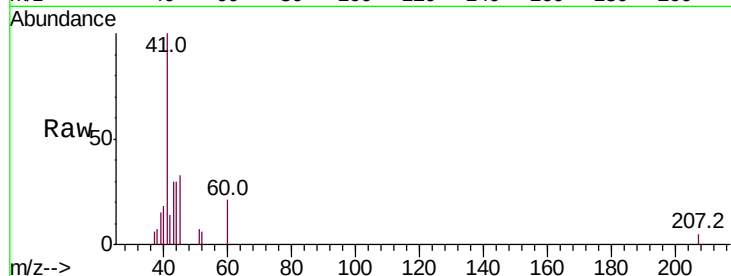




#48
Methvl methacrylate
Concen: 1.232 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX019320.D
Acq: 05 Nov 2020 17:33

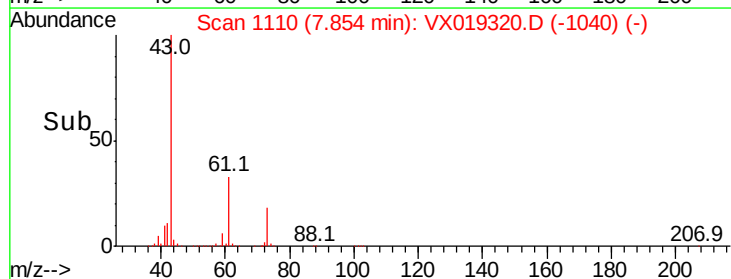
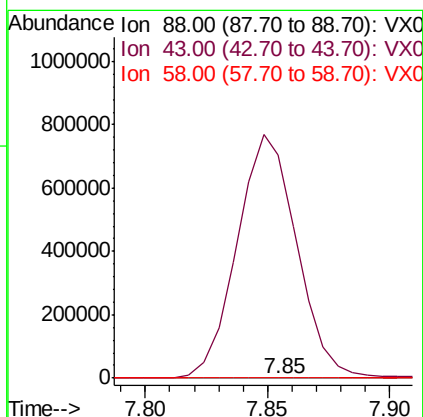
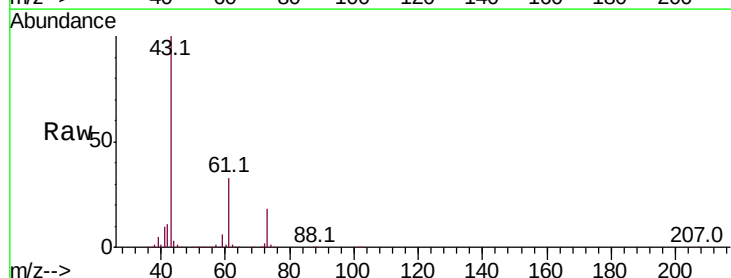
Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#10

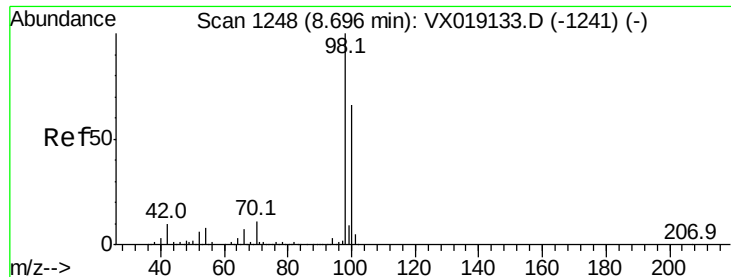
Tot Ion: 41 Resp: 4079
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 4.020 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.13 min
Lab File: VX019320.D
Acq: 05 Nov 2020 17:33

Tgt Ion: 88 Resp: 296
Ion Ratio Lower Upper
88 100
43 444293.9 23.0 34.6#
58 2087.5 52.2 78.2#

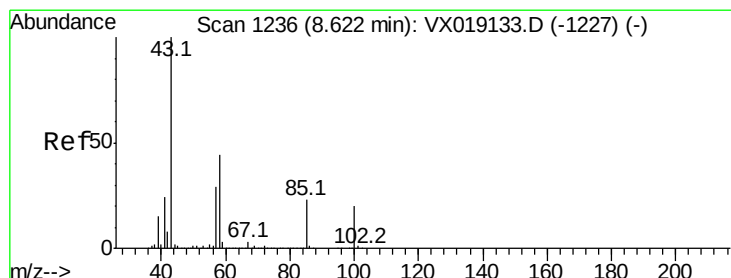
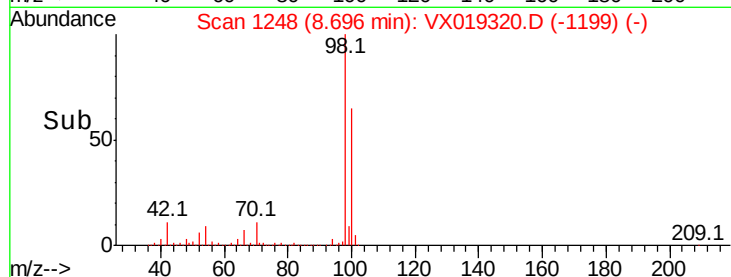
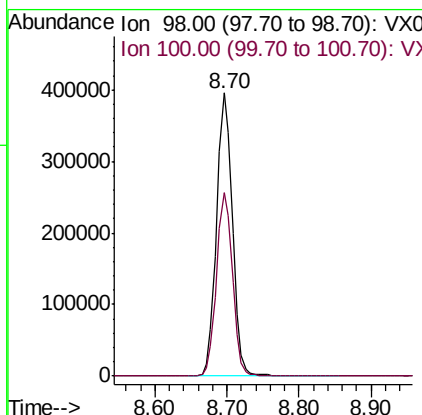
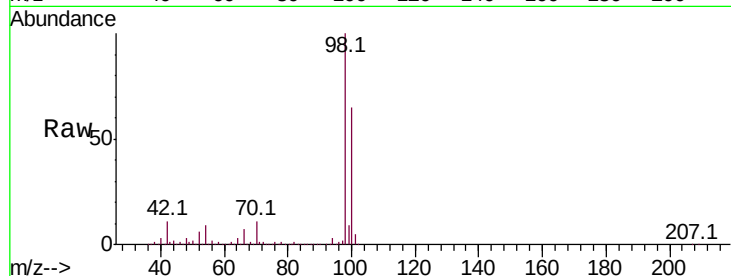




#50
Toluene-d8
Concen: 53.162 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019320.D
Acq: 05 Nov 2020 17:33

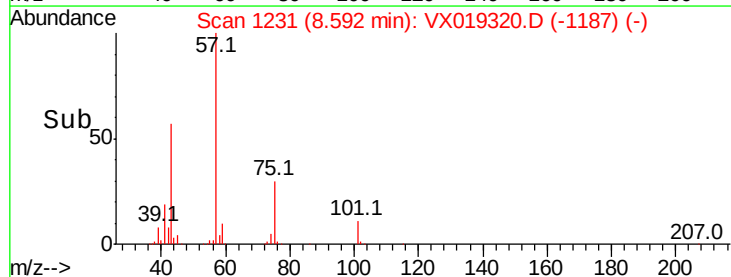
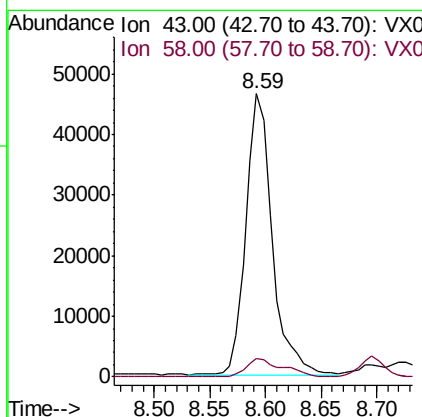
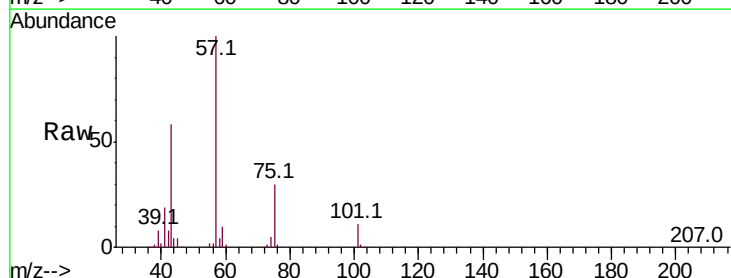
Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#10

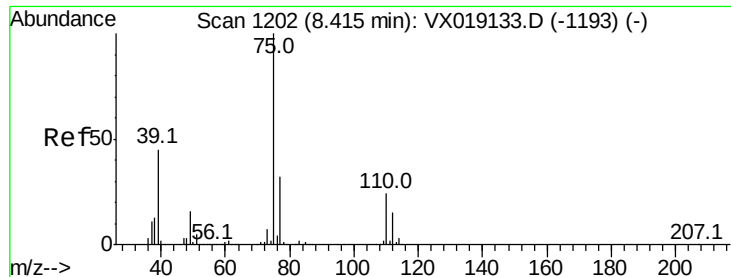
Tot Ion: 98 Resp: 603147
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 19.226 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019320.D
Acq: 05 Nov 2020 17:33

Tgt Ion: 43 Resp: 76012
Ion Ratio Lower Upper
43 100
58 9.3 35.0 52.4#



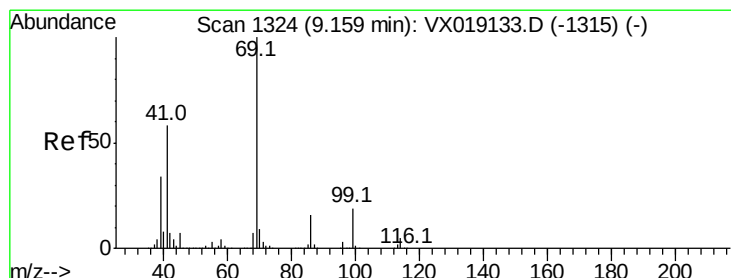
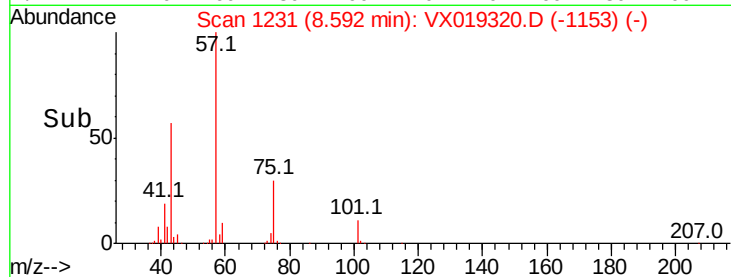
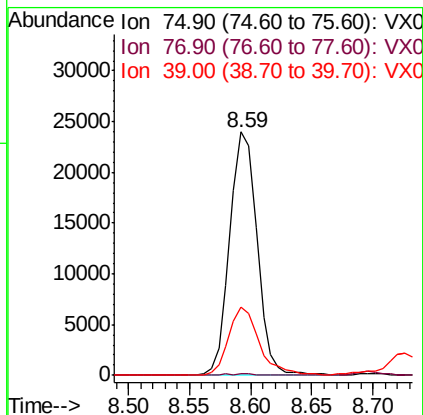
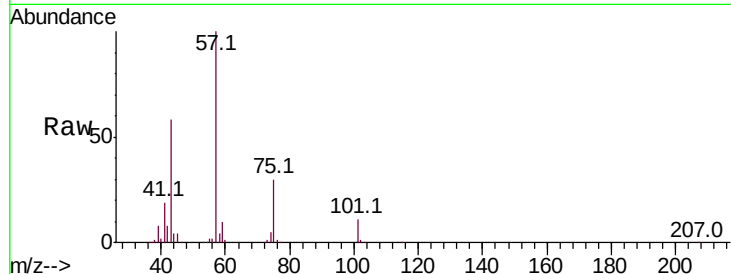


#54

cis-1,3-Dichloropropene
Concen: 6.911 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. 0.18 min
Lab File: VX019320.D
Acq: 05 Nov 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB132824ZHE#10

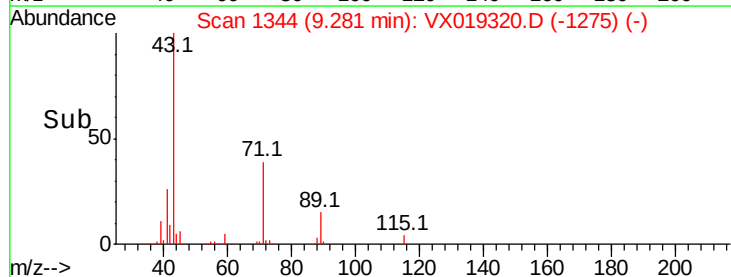
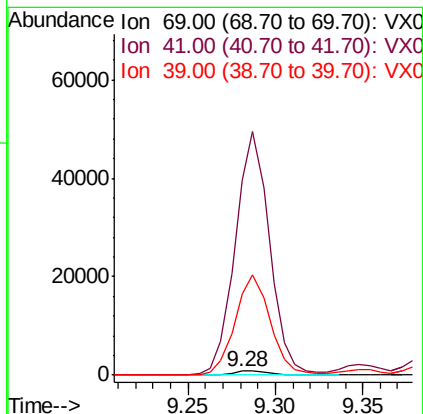
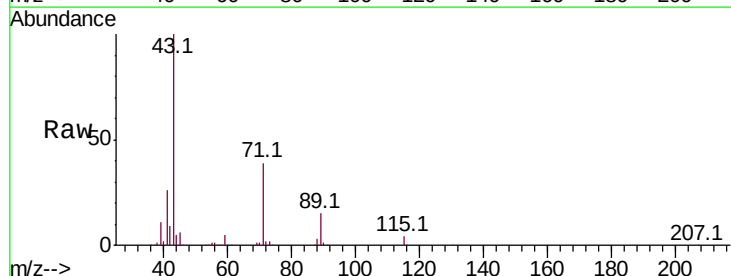
Tot Ion: 75 Resp: 37177
Ion Ratio Lower Upper
75 100
77 0.5 25.5 38.3#
39 28.2 36.2 54.2#

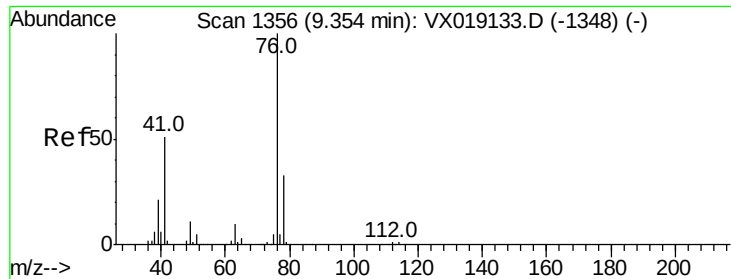


#56

Ethyl methacrylate
Concen: 0.271 ug/l
RT: 9.28 min Scan# 1344
Delta R.T. 0.12 min
Lab File: VX019320.D
Acq: 05 Nov 2020 17:33

Tgt Ion: 69 Resp: 1309
Ion Ratio Lower Upper
69 100
41 5176.7 46.5 69.7#
39 2183.1 27.6 41.4#





#57

1,3-Dichloropropane

Concen: 1.278 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

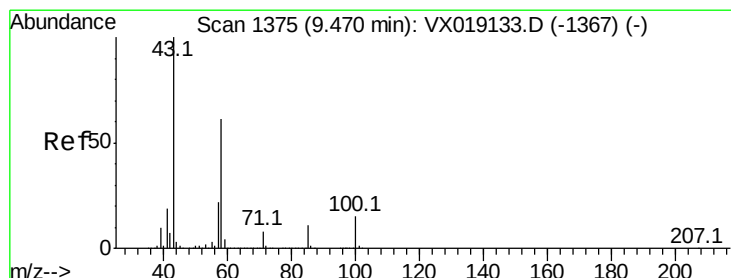
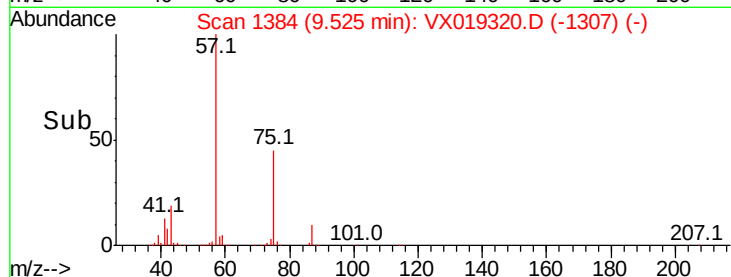
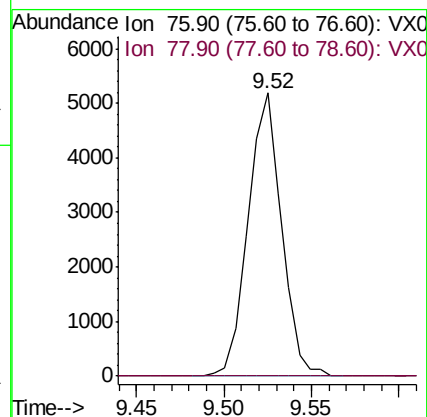
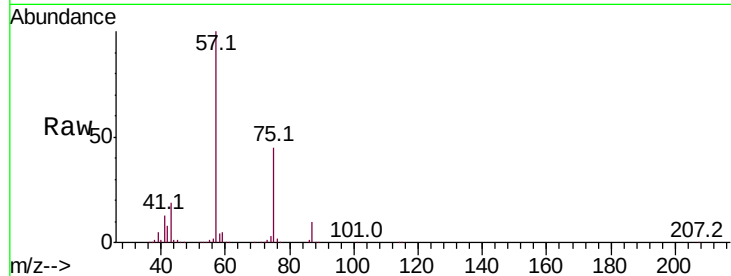
PB132824ZHE#10

Tot Ion: 76 Resp: 6878

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 24.570 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX019320.D

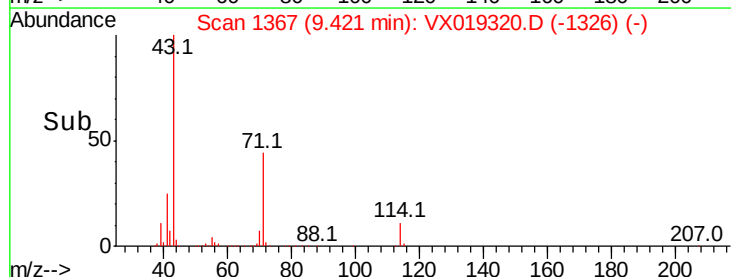
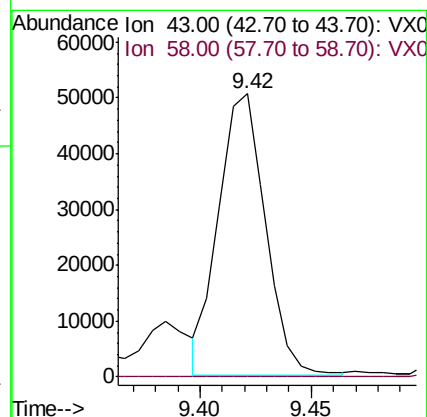
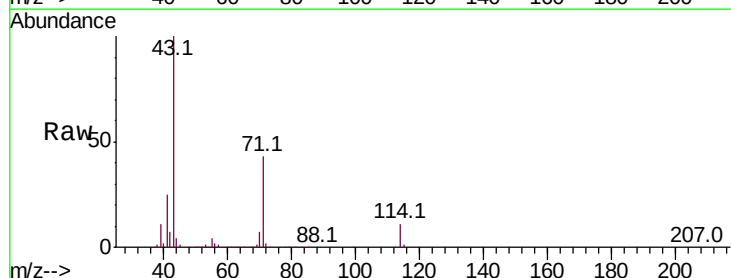
Acq: 05 Nov 2020 17:33

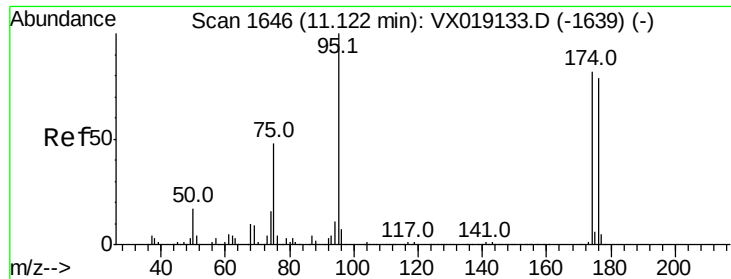
Tgt Ion: 43 Resp: 73942

Ion Ratio Lower Upper

43 100

58 0.0 30.5 91.5#





#62

4-Bromofluorobenzene

Concen: 53.230 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#10

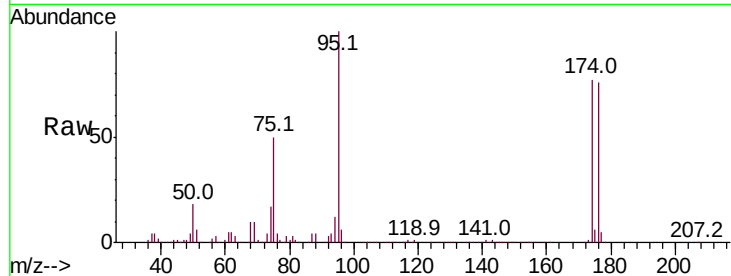
Tot Ion: 95 Resp: 228710

Ion Ratio Lower Upper

95 100

174 74.5 0.0 156.0

176 72.3 0.0 149.8

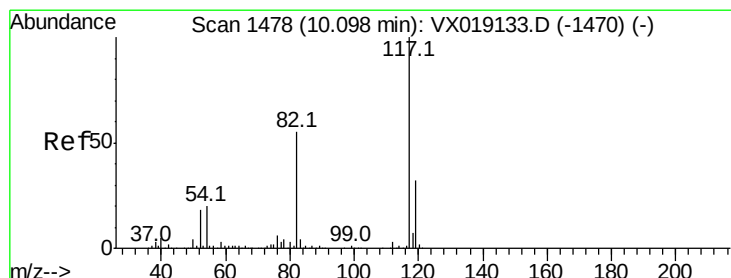
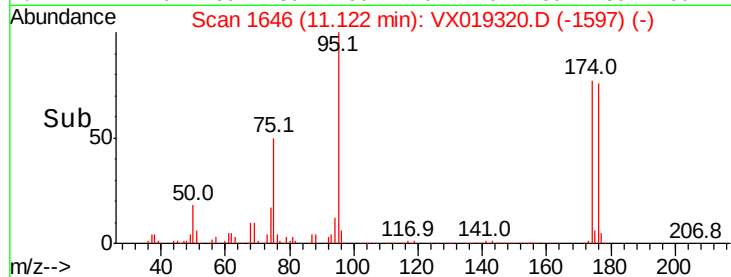
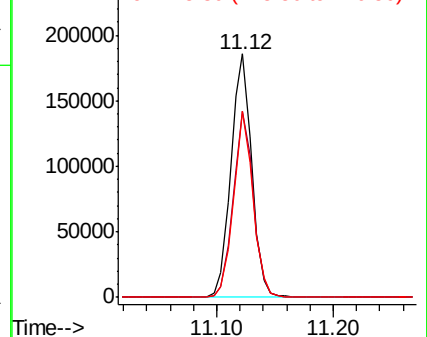


Abundance Ion 94.90 (94.60 to 95.60): VX019320.D (-1597) (-)

250000

Ion 173.80 (173.50 to 174.50): VX019320.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019320.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

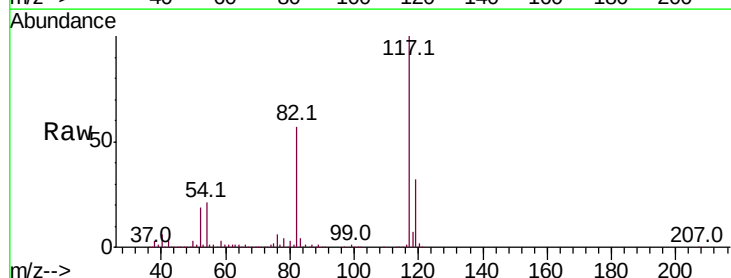
Tgt Ion: 117 Resp: 463577

Ion Ratio Lower Upper

117 100

82 56.7 43.6 65.4

119 32.2 25.5 38.3

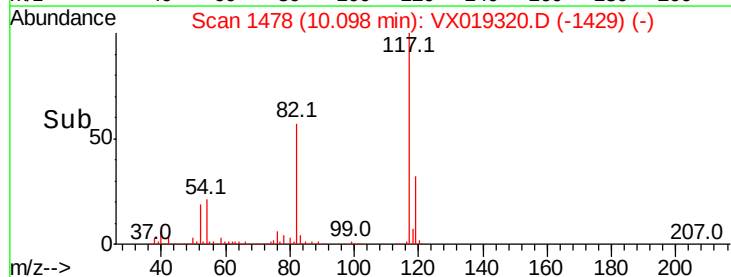
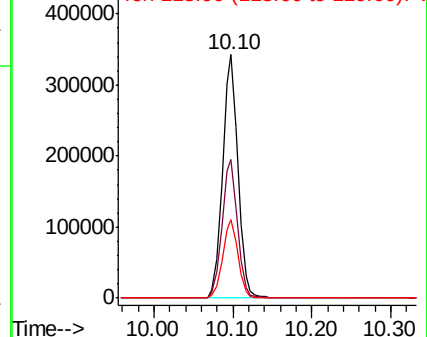


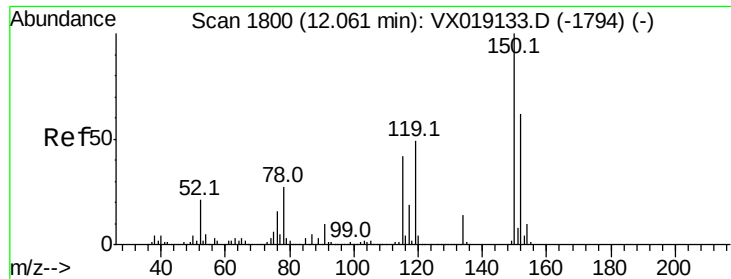
Abundance Ion 116.90 (116.60 to 117.60): VX019320.D (-1429) (-)

400000

Ion 82.00 (81.70 to 82.70): VX019320.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019320.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB132824ZHE#10

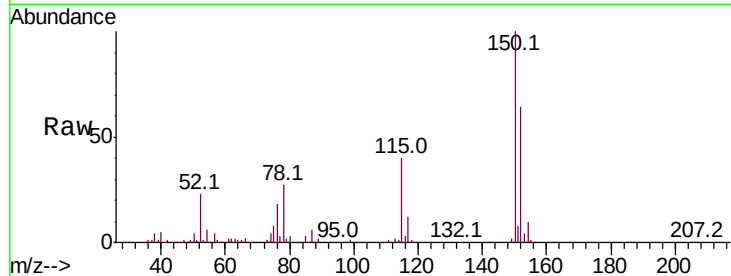
Tot Ion:152 Resp: 228595

Ion Ratio Lower Upper

152 100

115 60.6 41.9 125.7

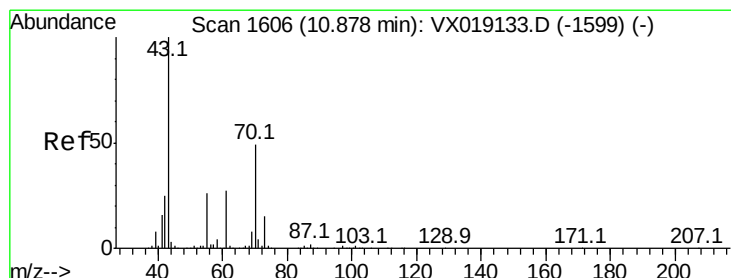
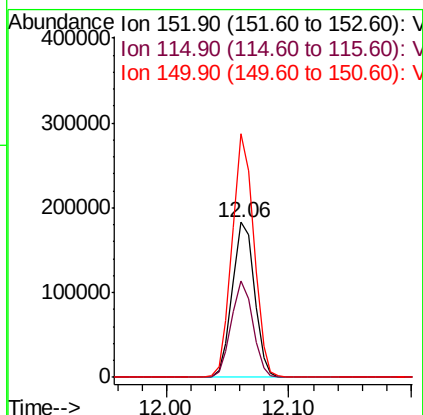
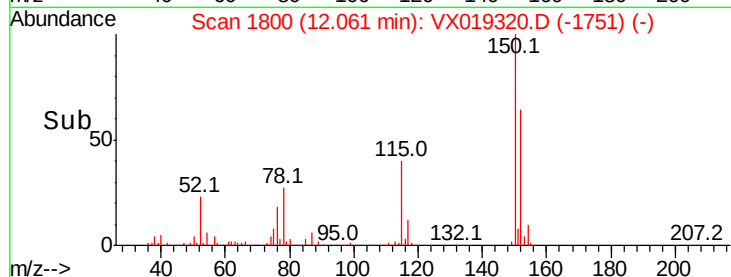
150 153.8 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.553 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Tgt Ion: 43 Resp: 3273

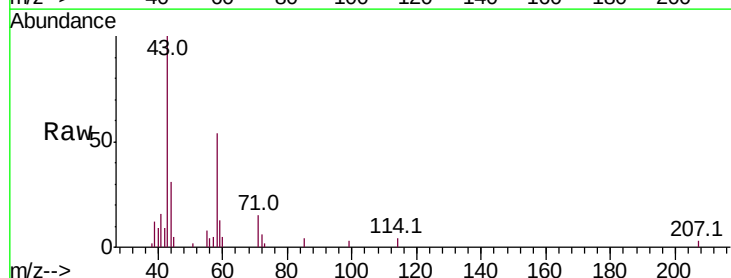
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 11.7 20.7 31.1#

61 0.0 21.9 32.9#

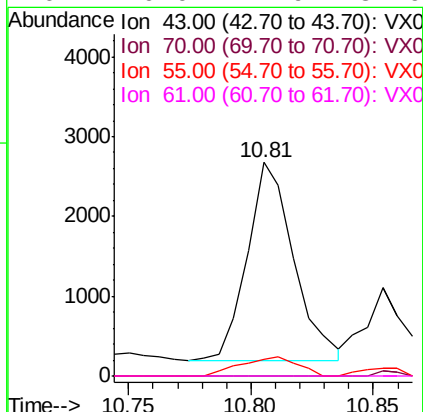
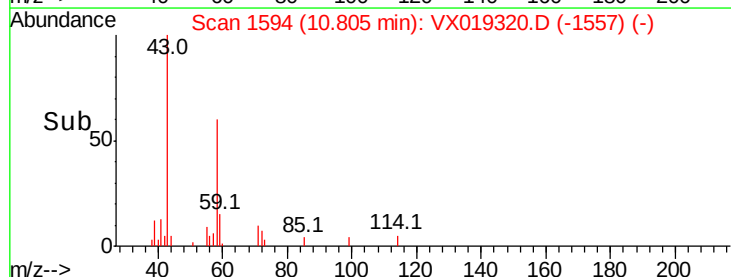


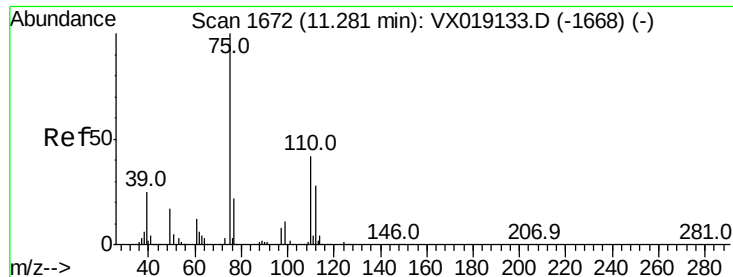
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.658 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019320.D

Acq: 05 Nov 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

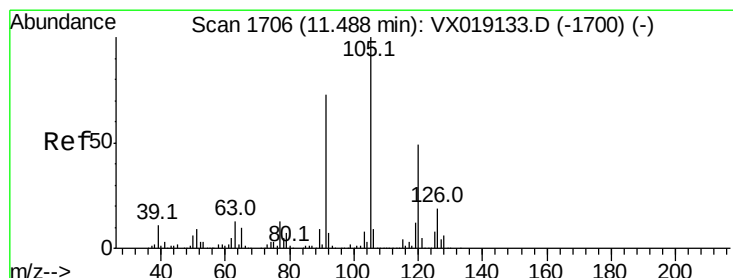
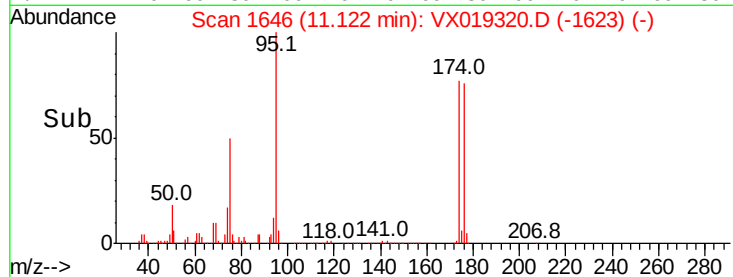
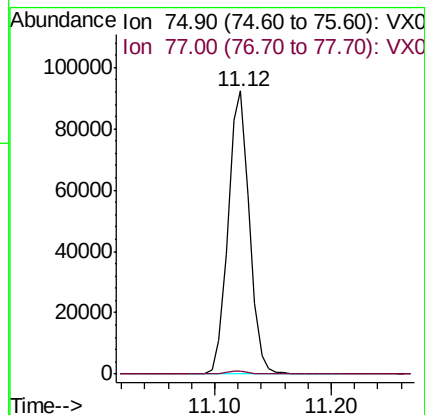
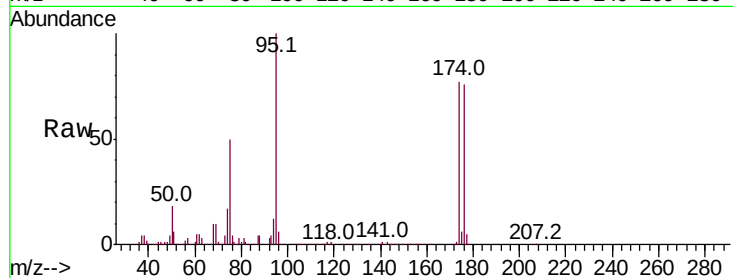
PB132824ZHE#10

Tot Ion: 75 Resp: 116388

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.839 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019320.D

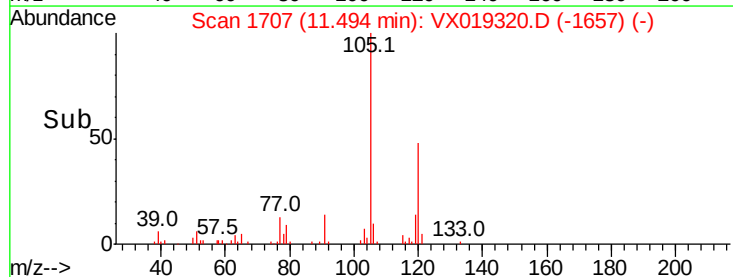
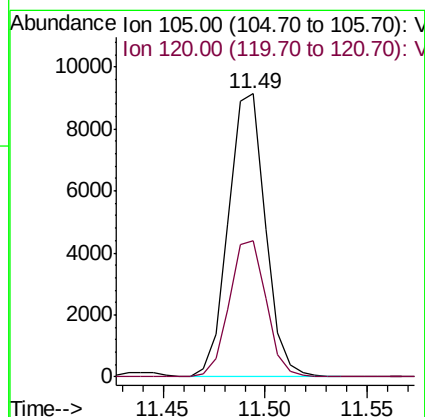
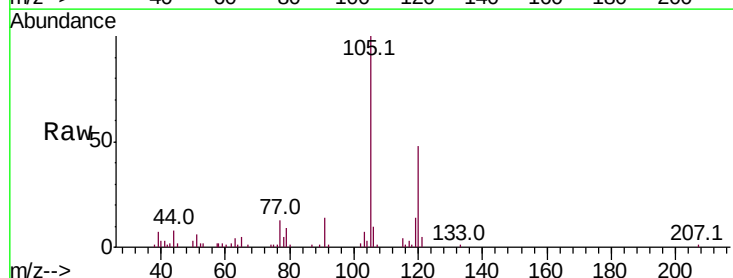
Acq: 05 Nov 2020 17:33

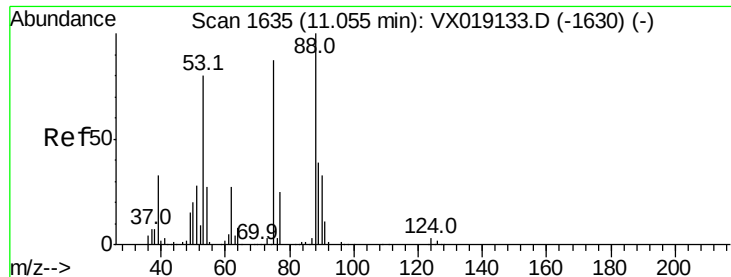
Tgt Ion: 105 Resp: 11475

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.925 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019320.D
 Acq: 05 Nov 2020 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132824ZHE#10

Tot Ion: 75 Resp: 116388
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

