

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019254.D
 Acq On : 03 Nov 2020 23:23
 Operator : JC/MD
 Sample : PB132784ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132784ZHE#04

Quant Time: Nov 04 02:26:30 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	5.63	168	333849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	586513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	595290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	288239	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	224827	52.22	ug/l	0.00
Spiked Amount						
			Recovery	=	104.44%	
35) Dibromofluoromethane	5.46	113	183054	49.69	ug/l	0.00
Spiked Amount						
			Recovery	=	99.38%	
50) Toluene-d8	8.70	98	751884	54.14	ug/l	0.00
Spiked Amount						
			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	11.12	95	290968	55.32	ug/l	0.00
Spiked Amount						
			Recovery	=	110.64%	

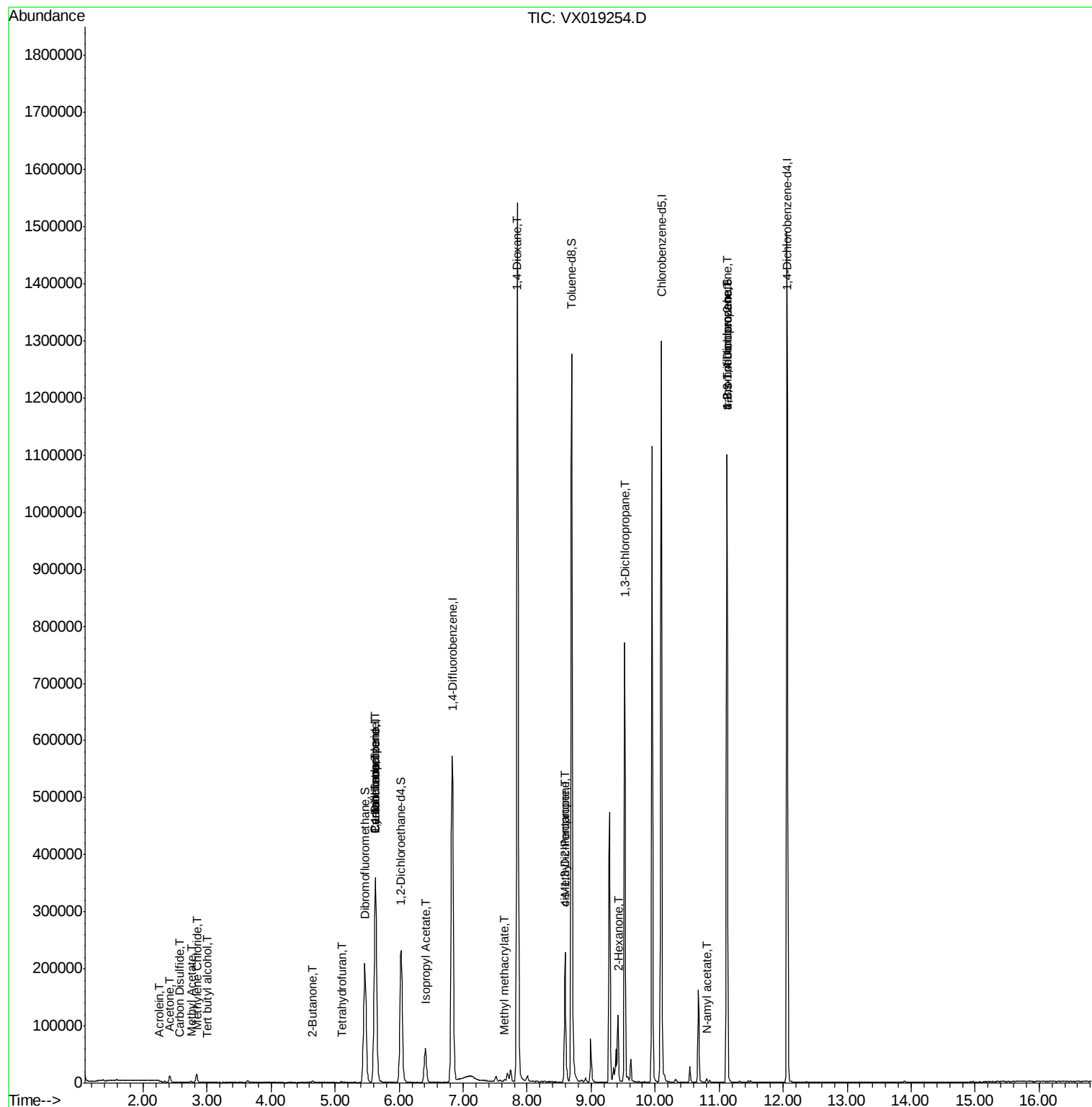
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	819	0.963	ug/l #	72
13) Acrolein	2.26	56	29	5.722	ug/l #	1
16) Acetone	2.42	43	11843	7.974	ug/l	94
17) Carbon Disulfide	2.56	76	267	0.788	ug/l #	75
18) Methyl Acetate	2.75	43	3196	0.885	ug/l	91
20) Methylene Chloride	2.84	84	6508	1.745	ug/l	100
25) 2-Butanone	4.65	43	2569	1.097	ug/l	99
29) Tetrahydrofuran	5.10	42	1427	0.967	ug/l	94
31) Cyclohexane	5.63	56	7081	1.301	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	26880	4.963	ug/l #	49
38) Carbon Tetrachloride	5.63	117	34428	6.236	ug/l #	17
43) Isopropyl Acetate	6.41	43	78878	9.368	ug/l	98
48) Methyl methacrylate	7.65	41	4343	1.072	ug/l #	9
49) 1,4-Dioxane	7.85	88	206	2.286	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	78305	16.181	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	38238	5.807	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	6649	1.009	ug/l #	43
59) 2-Hexanone	9.42	43	72875	19.782	ug/l #	20
74) N-amyl acetate	10.80	43	3225	0.432	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	147564	24.794	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	147564	65.283	ug/l #	12

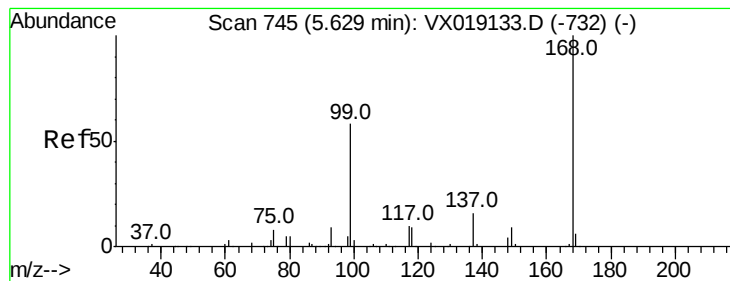
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

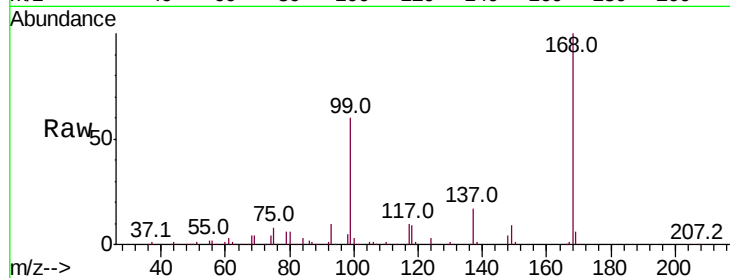
PB132784ZHE#04

Tot Ion:168 Resp: 333849

Ion Ratio Lower Upper

168 100

99 59.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

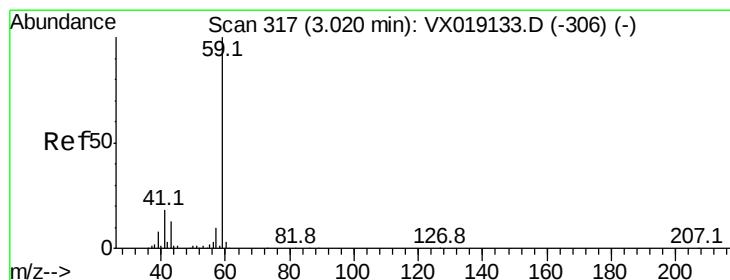
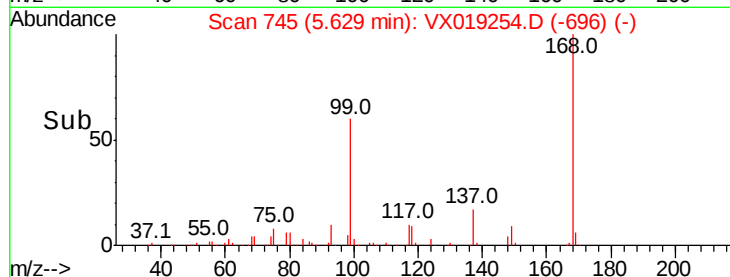
5.63

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.963 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019254.D

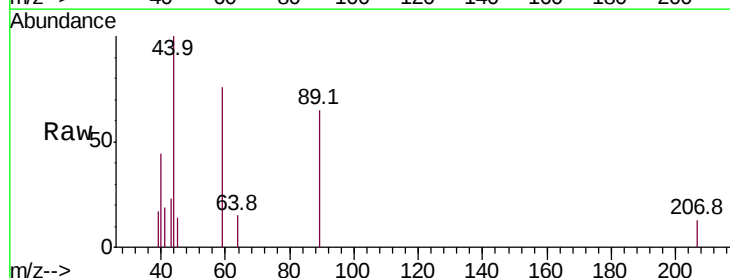
Acq: 03 Nov 2020 23:23

Tgt Ion: 59 Resp: 819

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

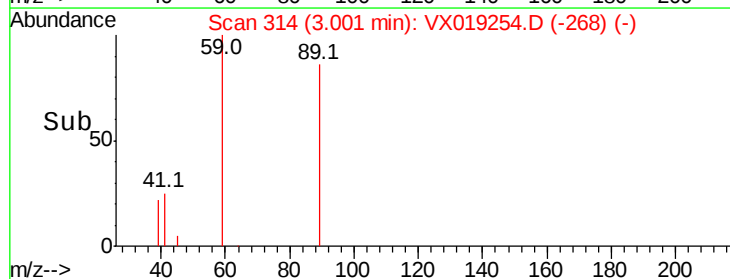
300

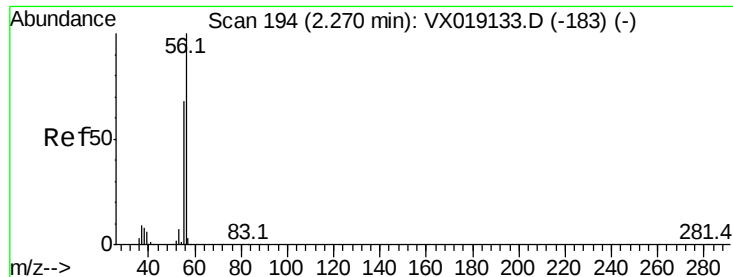
200

100

0

Time-->





#13

Acrolein

Concen: 5.722 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

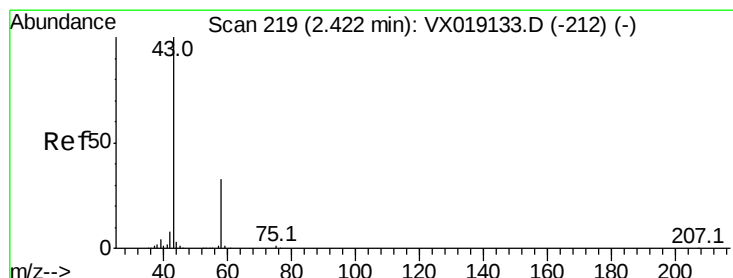
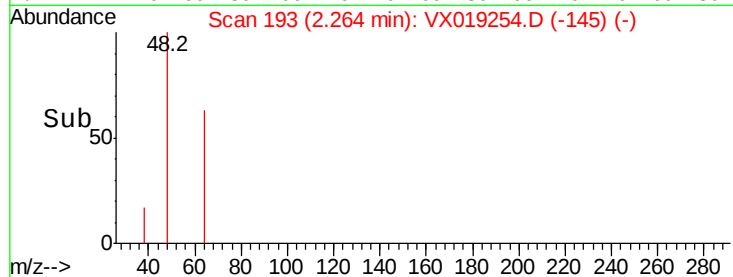
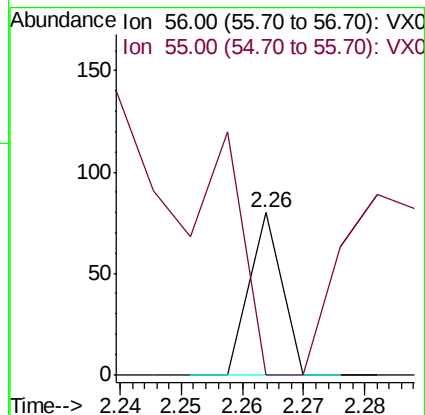
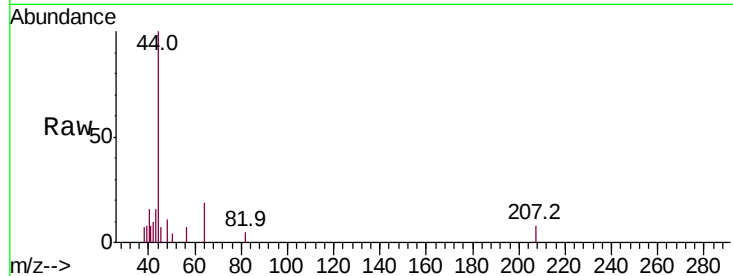
PB132784ZHE#04

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 375.9 54.7 82.1#



#16

Acetone

Concen: 7.974 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019254.D

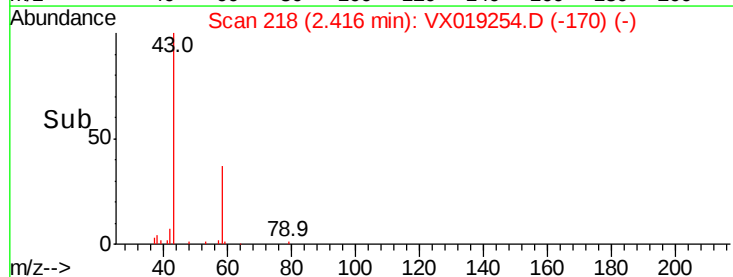
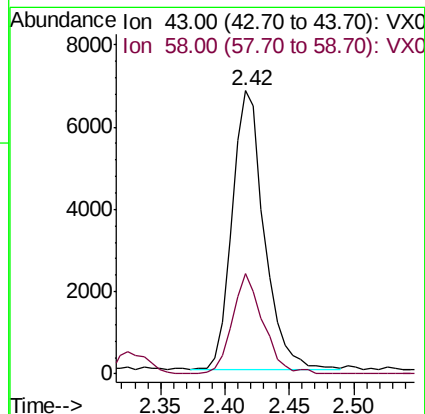
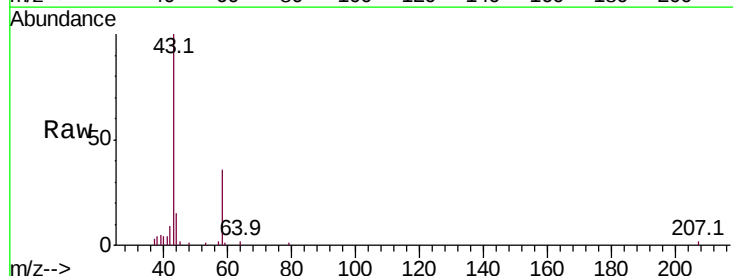
Acq: 03 Nov 2020 23:23

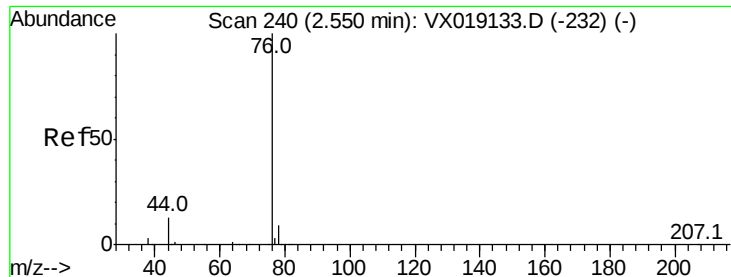
Tgt Ion: 43 Resp: 11843

Ion Ratio Lower Upper

43 100

58 36.0 26.3 39.5





#17

Carbon Disulfide

Concen: 0.788 ug/l

RT: 2.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

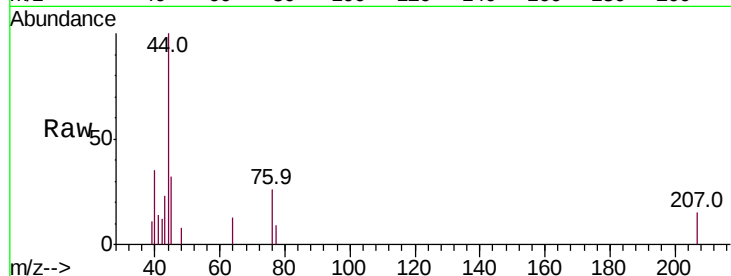
PB132784ZHE#04

Tot Ion: 76 Resp: 267

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

2.56

150

100

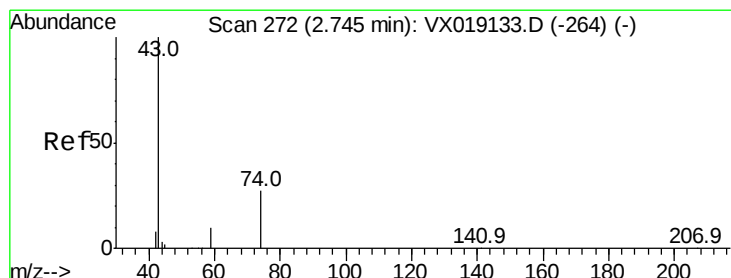
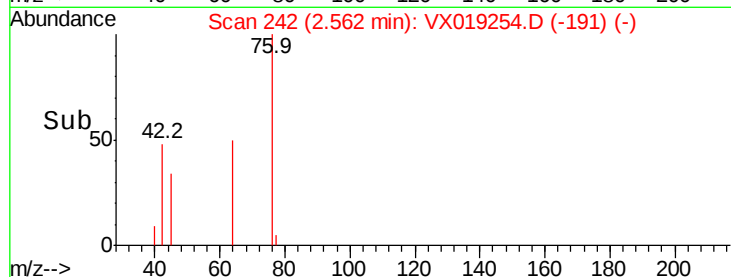
50

0

Time--> 2.50

2.55

2.60



#18

Methyl Acetate

Concen: 0.885 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019254.D

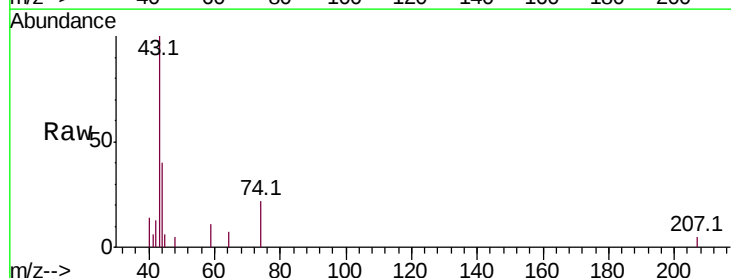
Acq: 03 Nov 2020 23:23

Tgt Ion: 43 Resp: 3196

Ion Ratio Lower Upper

43 100

74 23.5 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

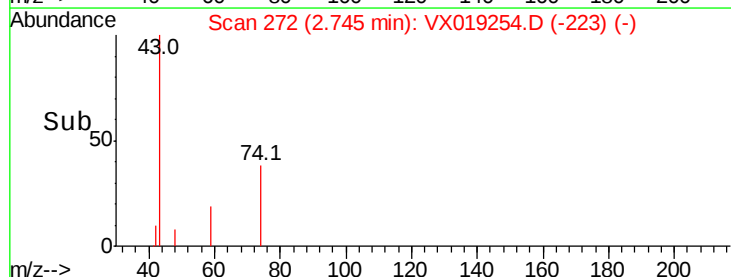
Time--> 2.65

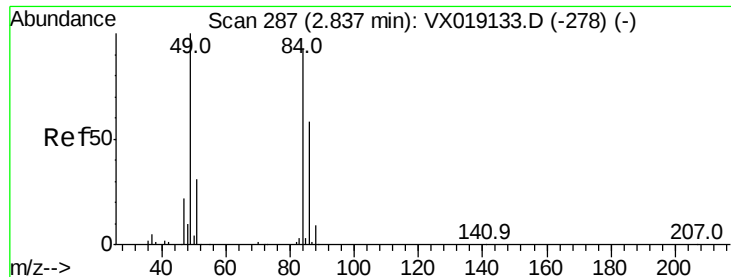
2.70

2.75

2.80

2.85

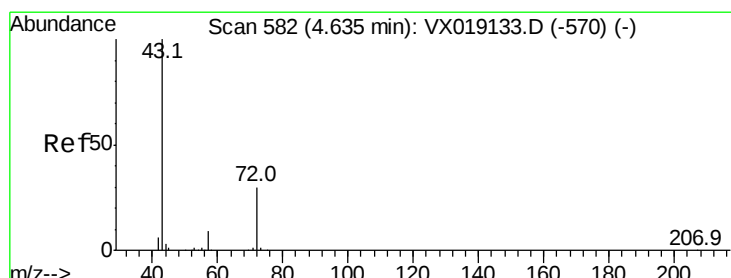
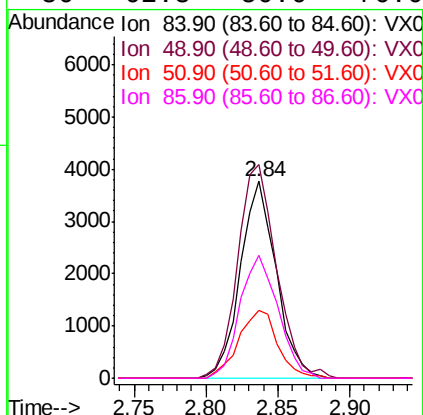
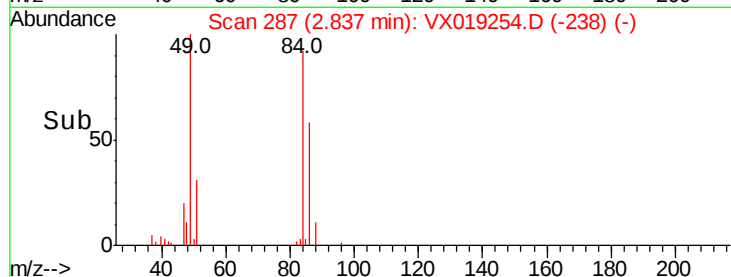
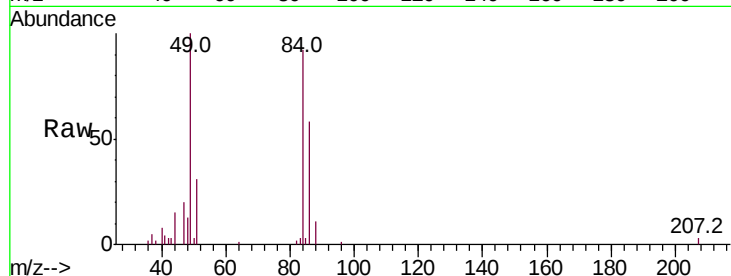




#20
Methvlene Chloride
Concen: 1.745 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

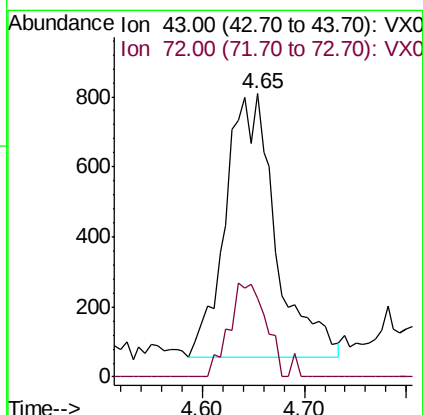
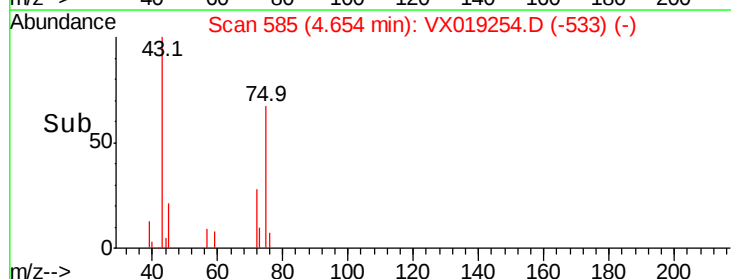
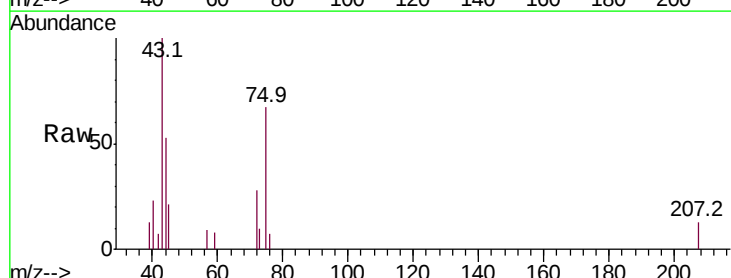
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#04

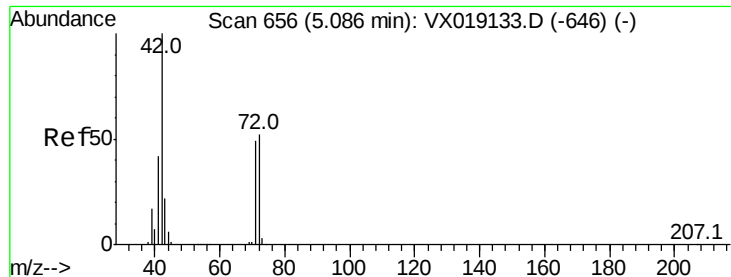
Tot Ion:	84	Resp:	6508
Ion	Ratio	Lower	Upper
84	100		
49	108.6	86.8	130.2
51	34.2	27.3	40.9
86	62.8	50.6	76.0



#25
2-Butanone
Concen: 1.097 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

Tgt Ion:	43	Resp:	2569
Ion	Ratio	Lower	Upper
43	100		
72	30.0	24.6	36.8

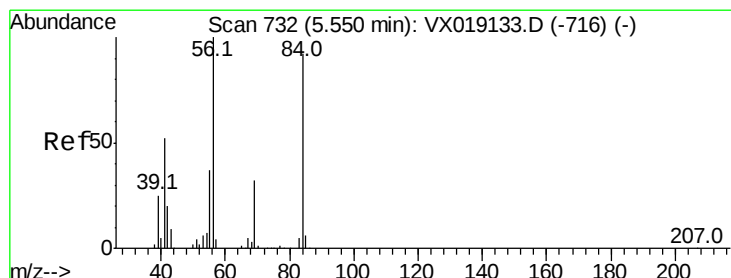
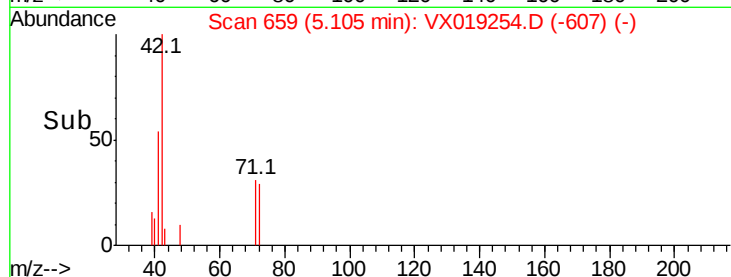
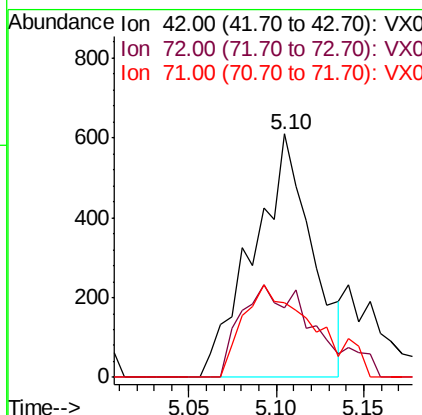
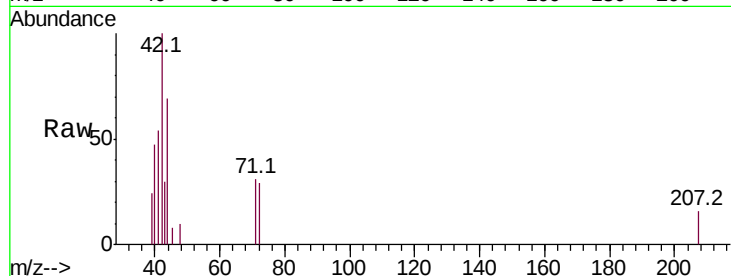




#29
Tetrahydrofuran
Concen: 0.967 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

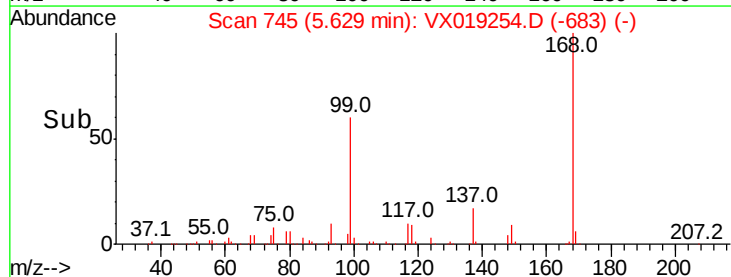
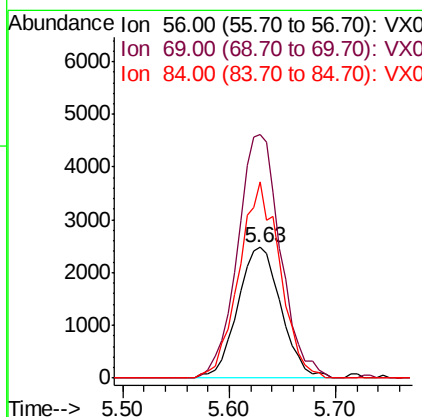
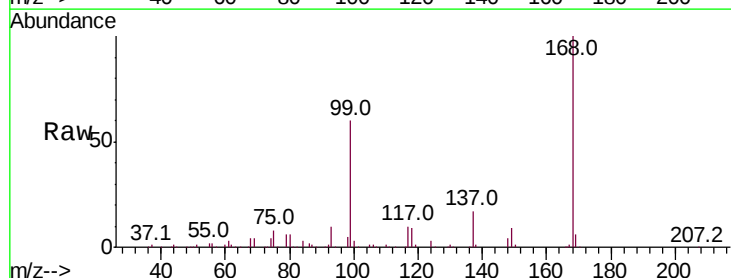
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#04

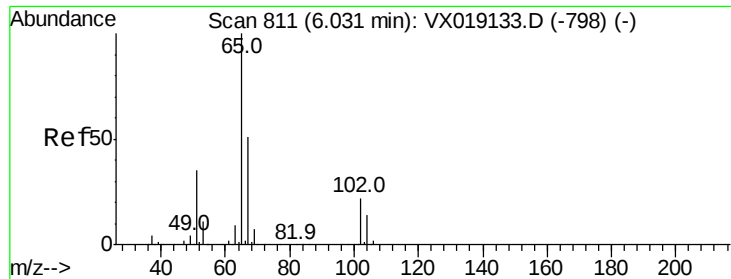
Tot Ion:	42	Resp:	1427
Ion	Ratio	Lower	Upper
42	100		
72	48.4	42.6	63.8
71	46.3	39.7	59.5



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

Tgt Ion:	56	Resp:	7081
Ion	Ratio	Lower	Upper
56	100		
69	186.6	25.9	38.9#
84	150.0	73.4	110.2#





#33

1,2-Dichloroethane-d4

Concen: 52.220 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

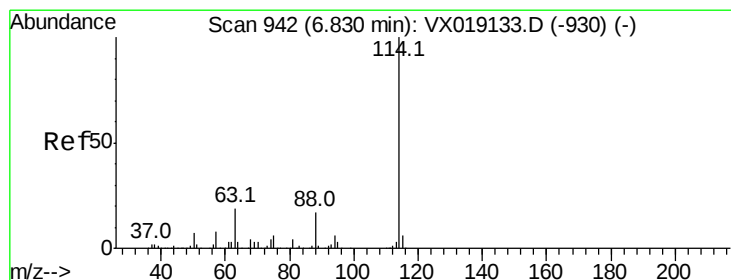
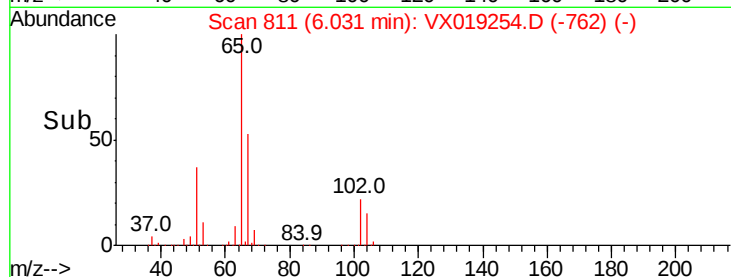
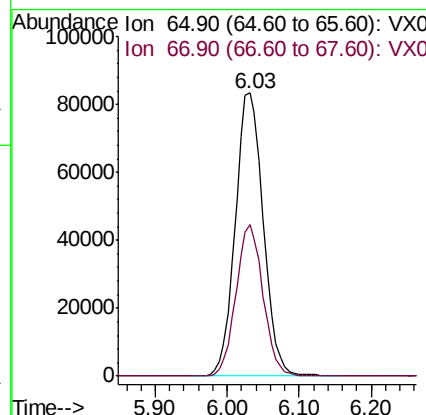
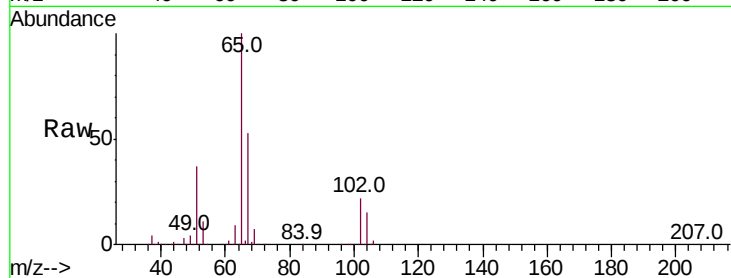
Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#04

Tot Ion: 65 Resp: 224827

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

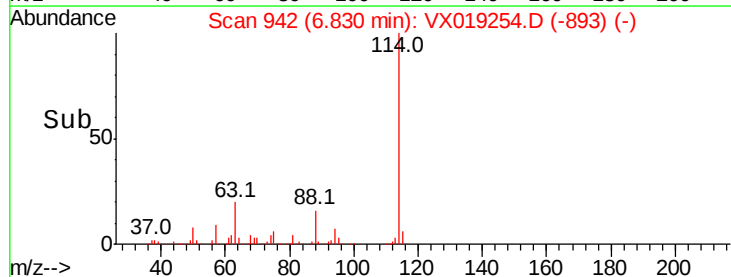
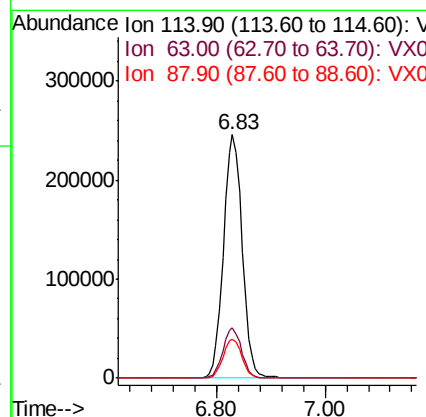
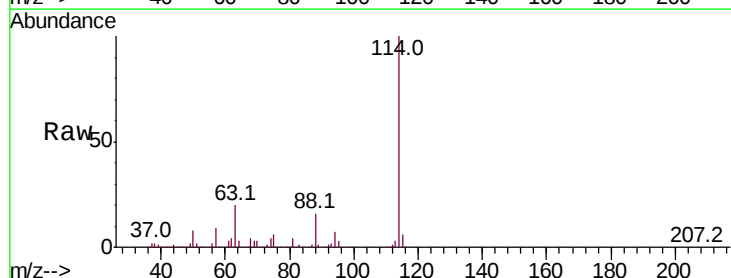
Delta R.T. -0.00 min

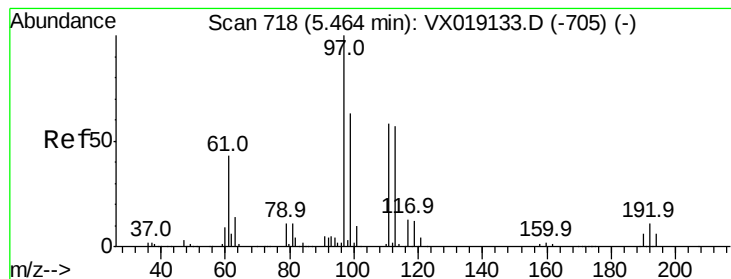
Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Tgt Ion: 114 Resp: 586513

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	38.8
88	16.2	0.0	34.2





#35

Dibromofluoromethane

Concen: 49.688 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#04

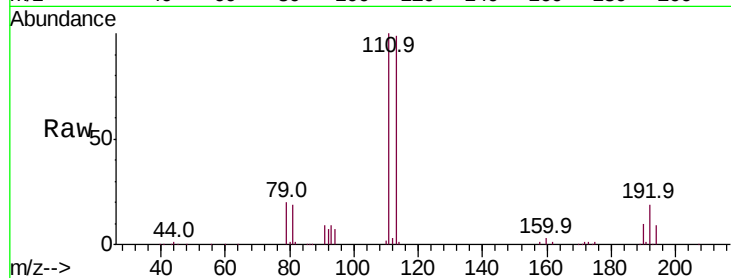
Tot Ion:113 Resp: 183054

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

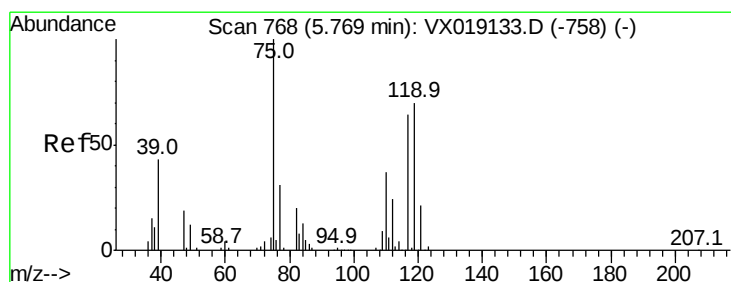
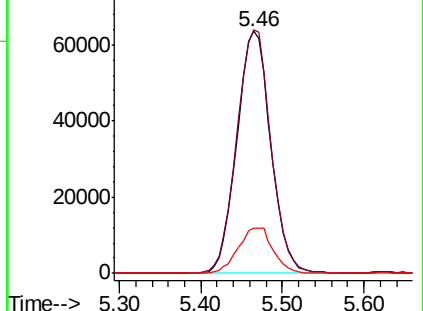
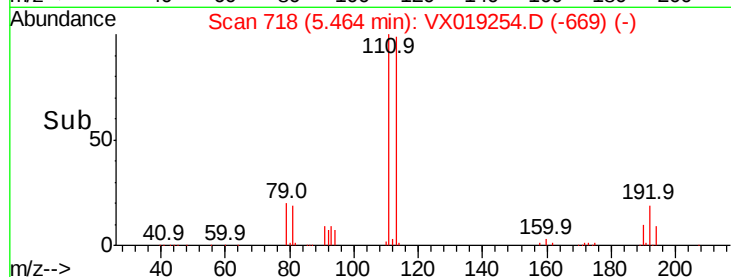
192 19.3 16.2 24.2



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: 4.963 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

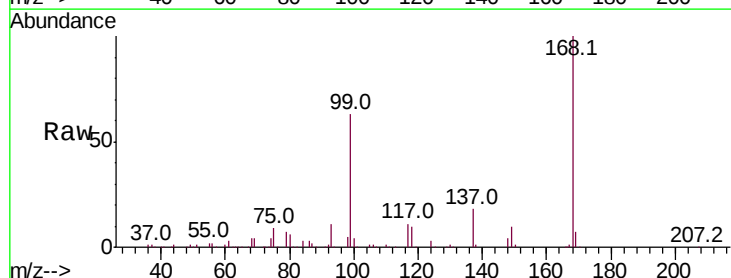
Tgt Ion: 75 Resp: 26880

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.9#

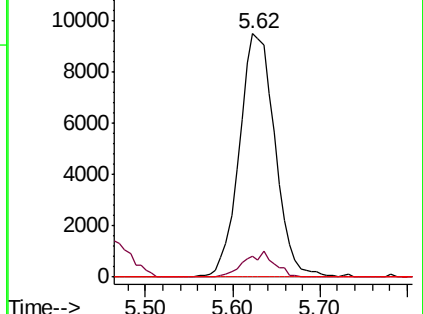
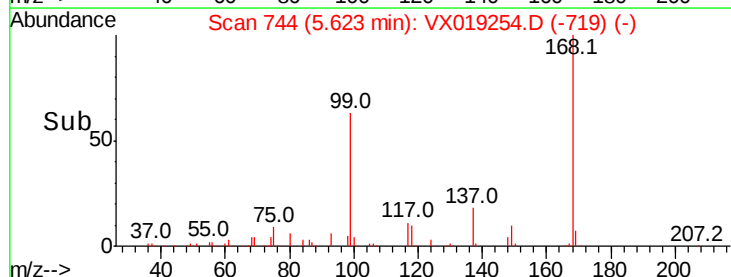
77 0.0 24.9 37.3#

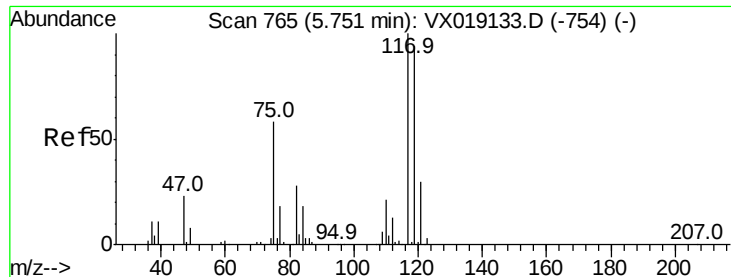


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.236 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#04

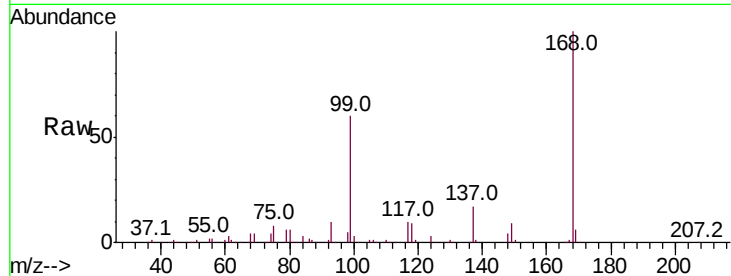
Tot Ion:117 Resp: 34428

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

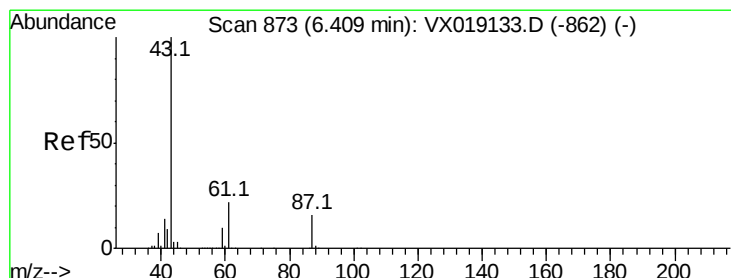
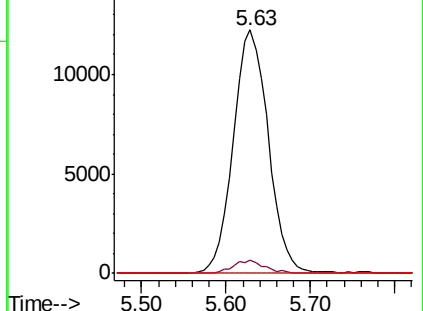
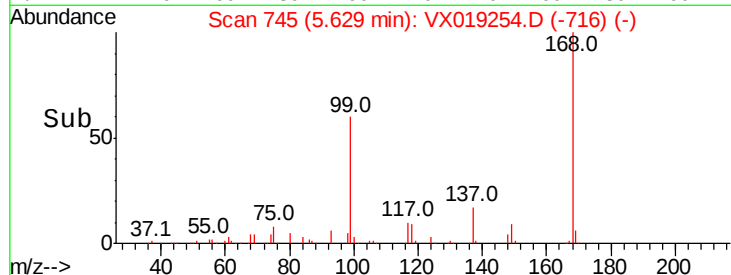
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.368 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

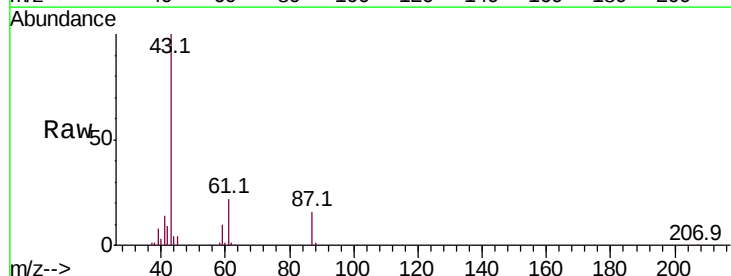
Tgt Ion: 43 Resp: 78878

Ion Ratio Lower Upper

43 100

61 21.7 17.8 26.6

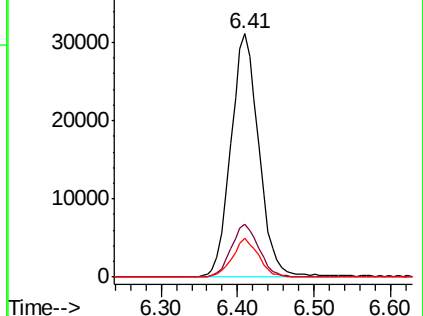
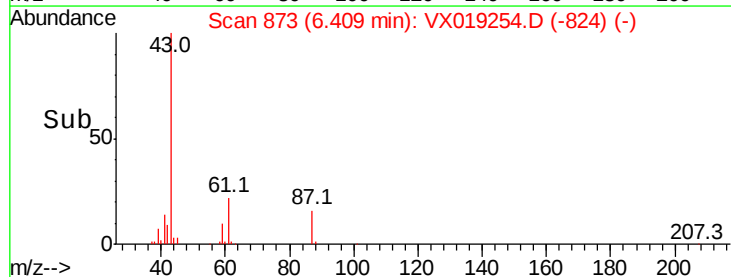
87 14.9 12.6 19.0

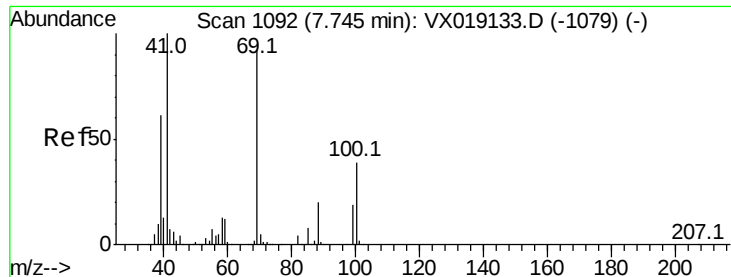


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

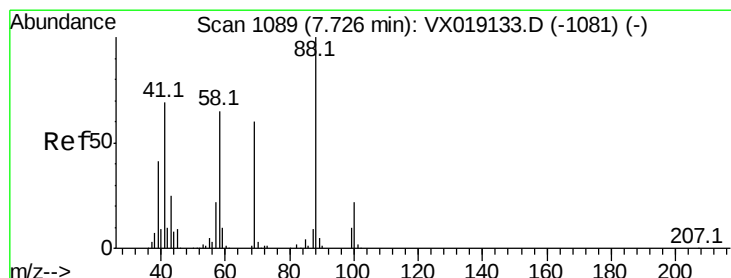
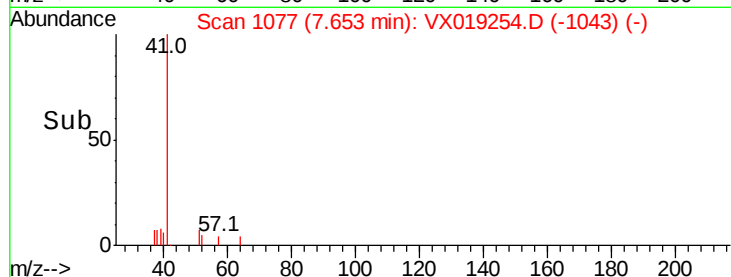
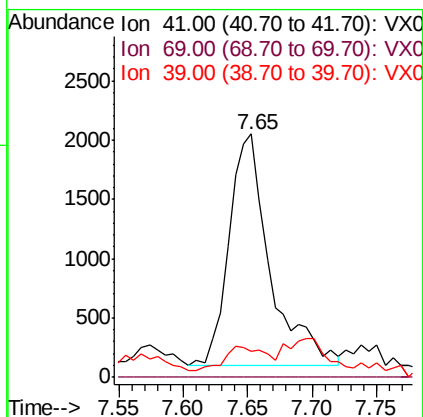
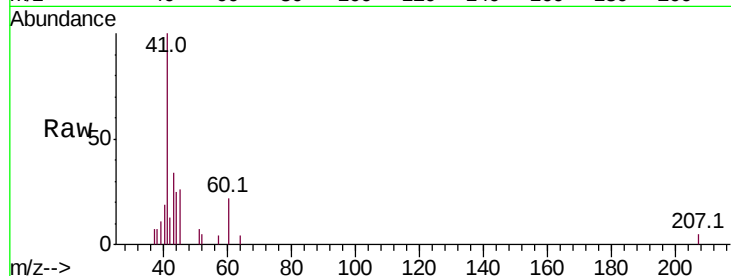




#48
Methvl methacrylate
Concen: 1.072 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

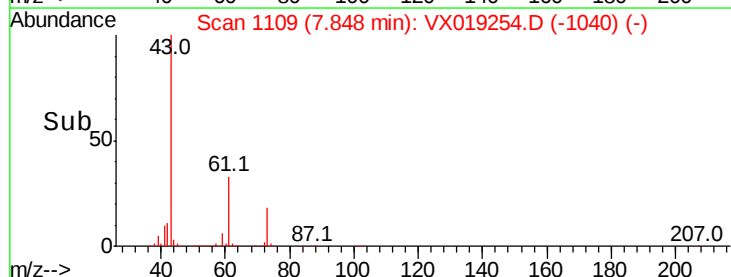
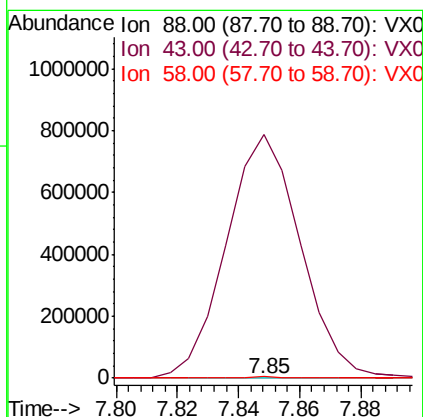
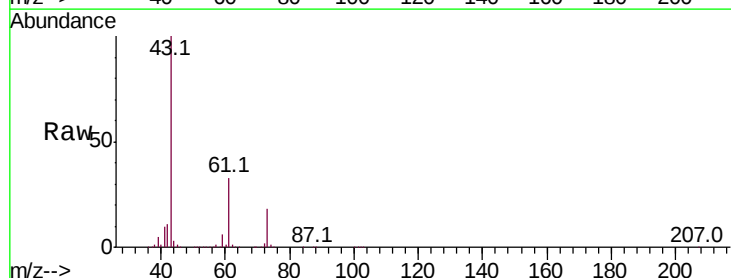
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#04

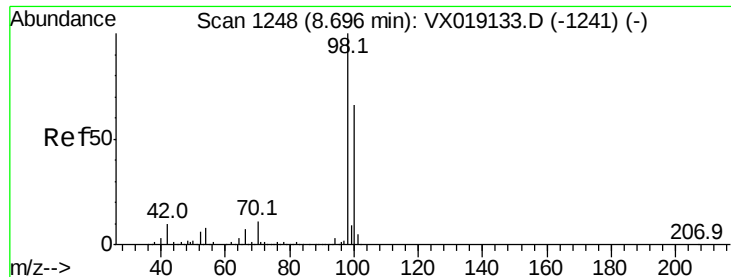
Tot Ion: 41 Resp: 4343
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 2.286 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.12 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 649949.5 23.0 34.6#
58 3104.4 52.2 78.2#





#50

Toluene-d8

Concen: 54.140 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

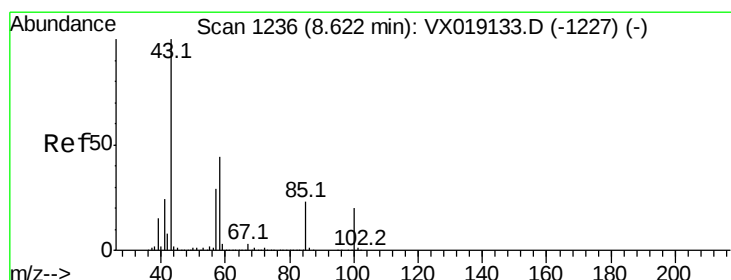
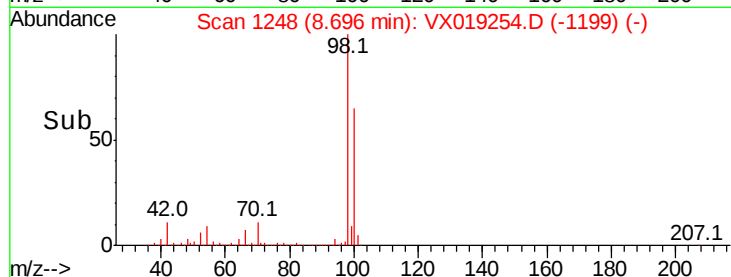
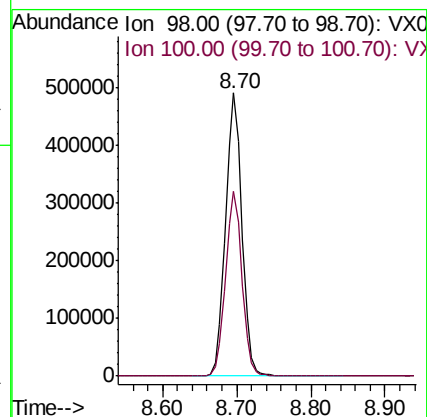
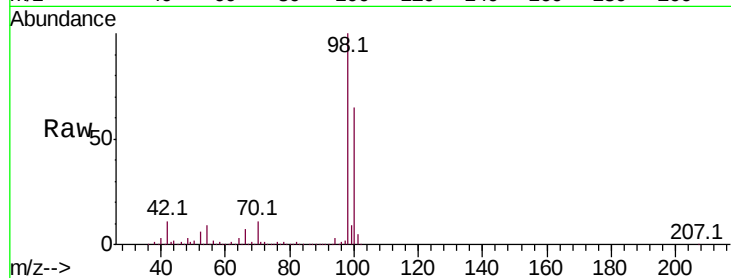
PB132784ZHE#04

Tot Ion: 98 Resp: 751884

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 16.181 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019254.D

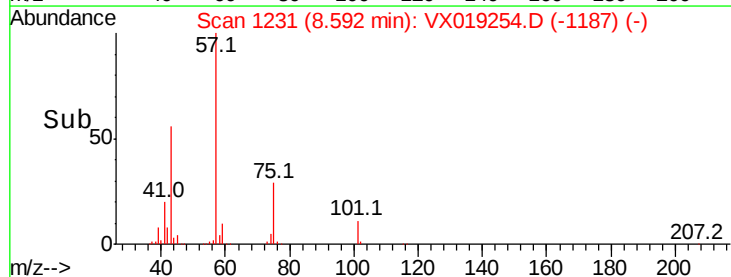
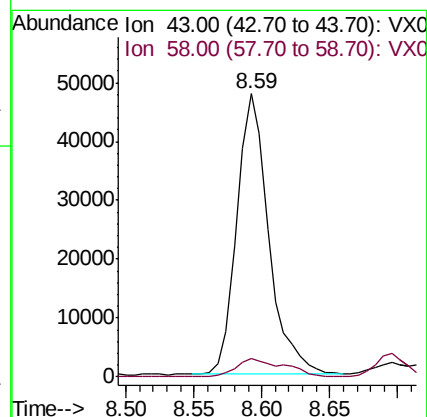
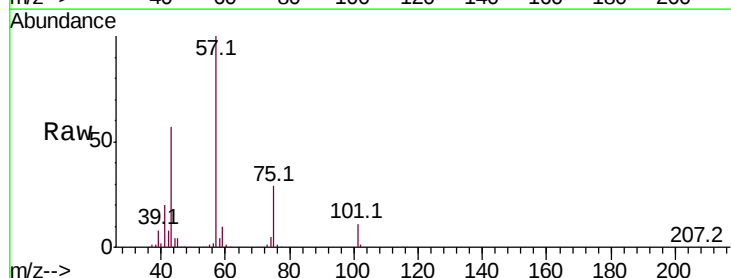
Acq: 03 Nov 2020 23:23

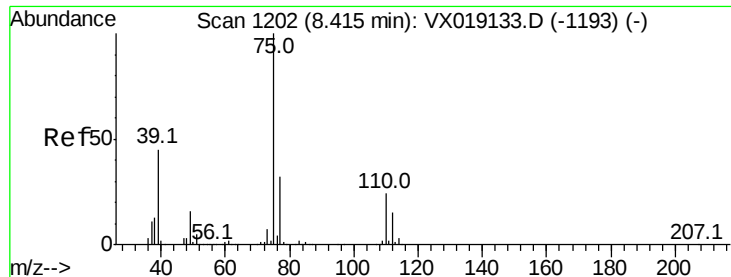
Tgt Ion: 43 Resp: 78305

Ion Ratio Lower Upper

43 100

58 9.9 35.0 52.4#





#54

cis-1,3-Dichloropropene

Concen: 5.807 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#04

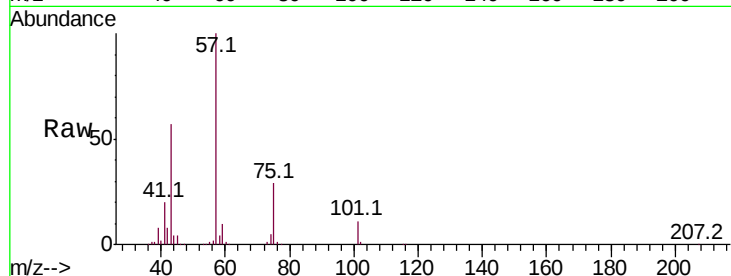
Tot Ion: 75 Resp: 38238

Ion Ratio Lower Upper

75 100

77 0.4 25.5 38.3#

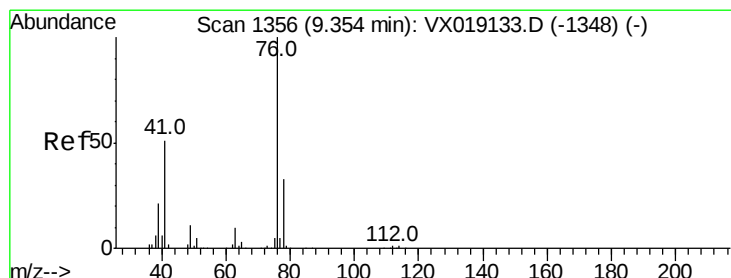
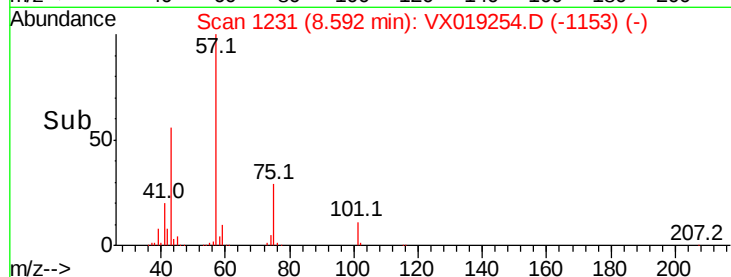
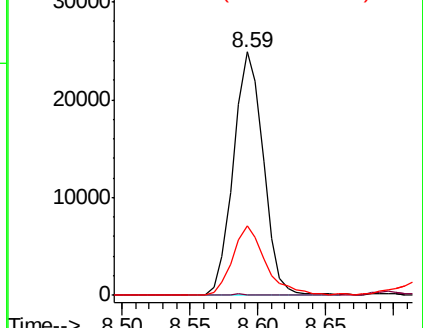
39 28.7 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.009 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX019254.D

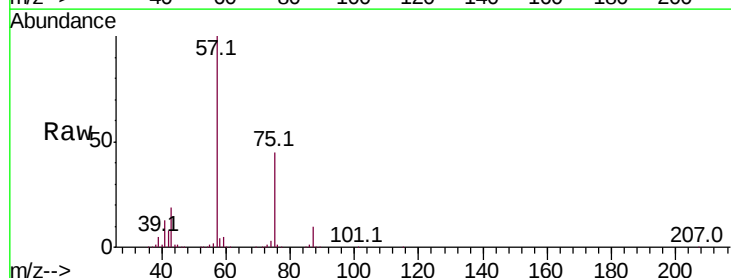
Acq: 03 Nov 2020 23:23

Tgt Ion: 76 Resp: 6649

Ion Ratio Lower Upper

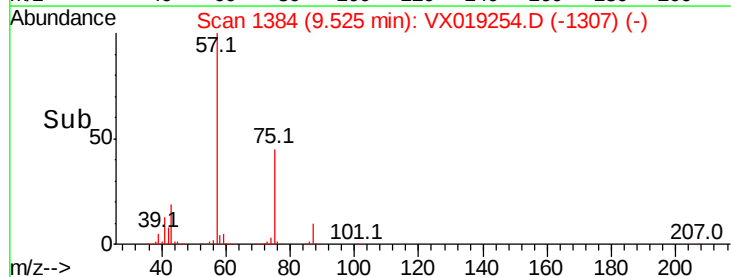
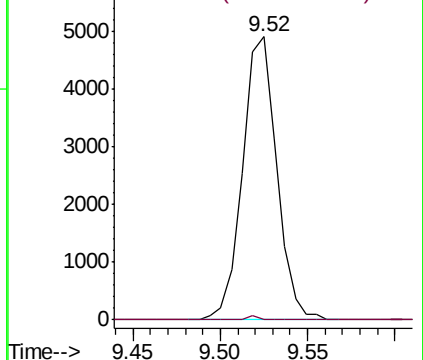
76 100

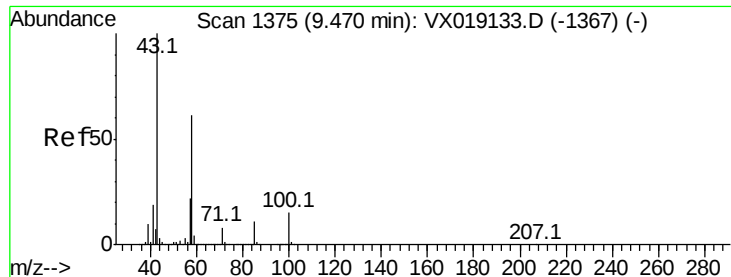
78 0.4 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

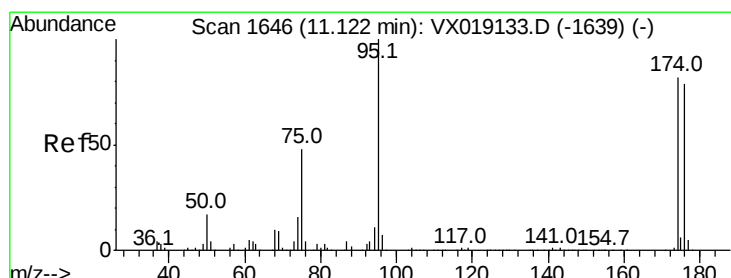
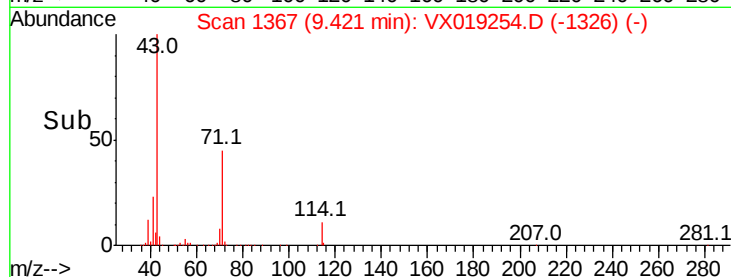
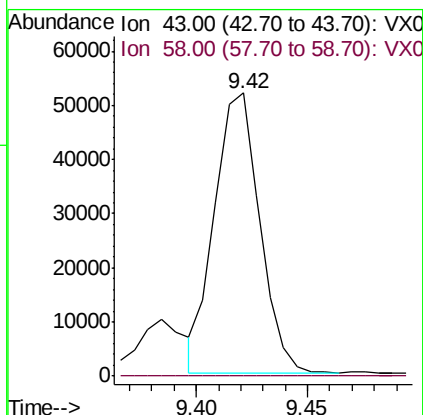
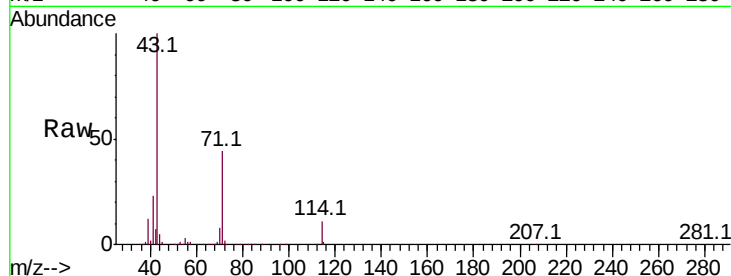




#59
2-Hexanone
Concen: 19.782 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

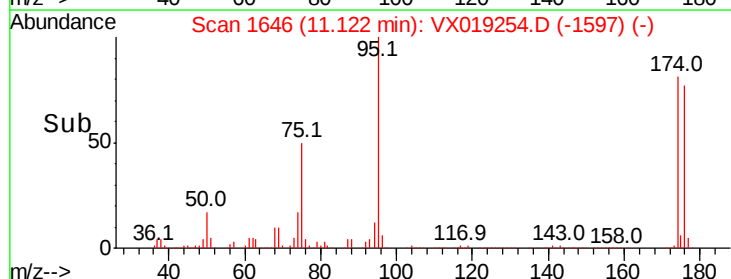
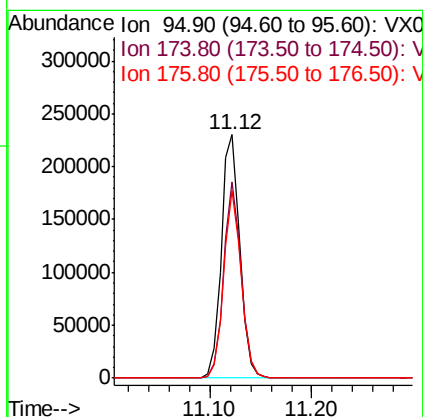
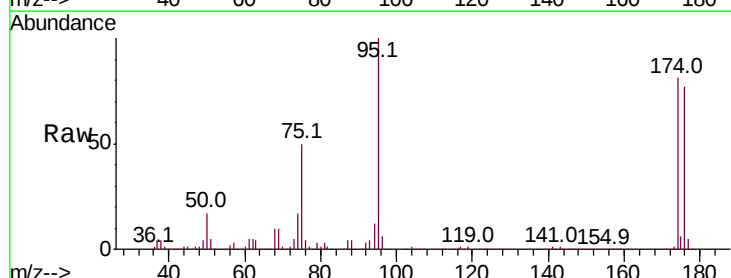
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#04

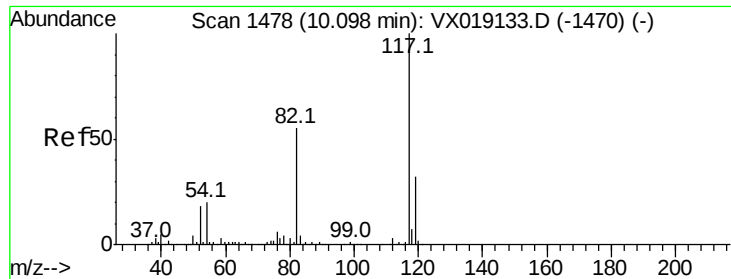
Tot Ion: 43 Resp: 72875
Ion Ratio Lower Upper
43 100
58 0.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 55.324 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

Tgt Ion: 95 Resp: 290968
Ion Ratio Lower Upper
95 100
174 75.9 0.0 156.0
176 72.8 0.0 149.8

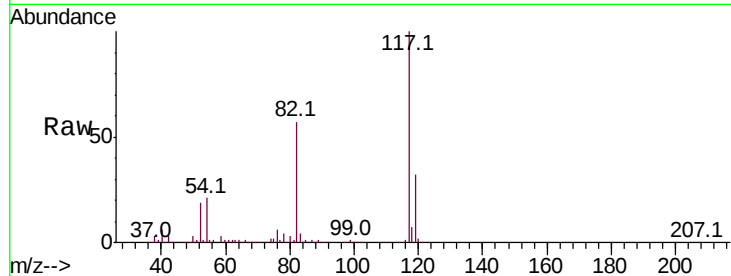




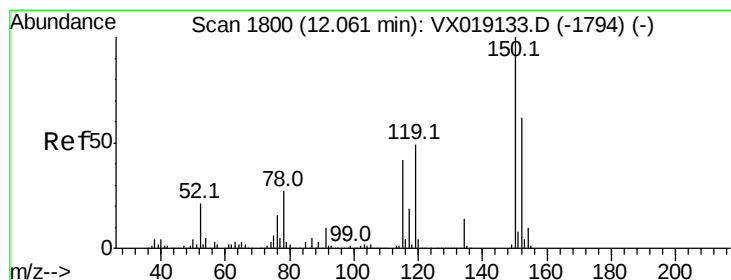
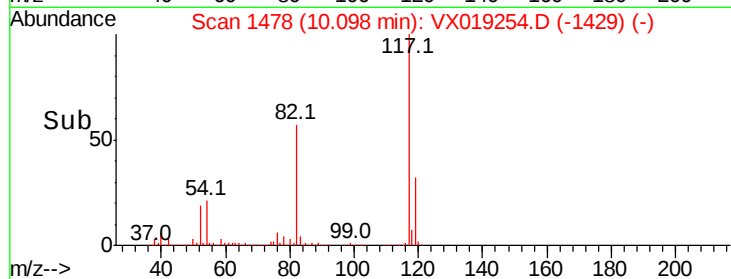
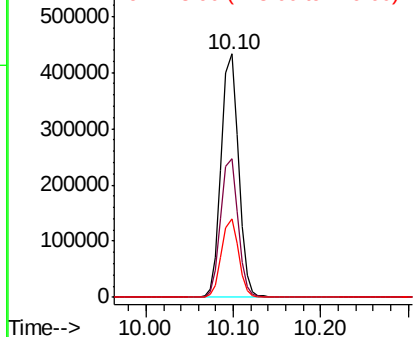
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#04

Tot Ion:117 Resp: 595290
Ion Ratio Lower Upper
117 100
82 57.0 43.6 65.4
119 32.4 25.5 38.3

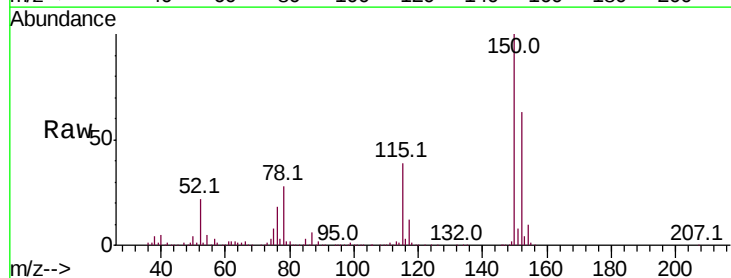


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

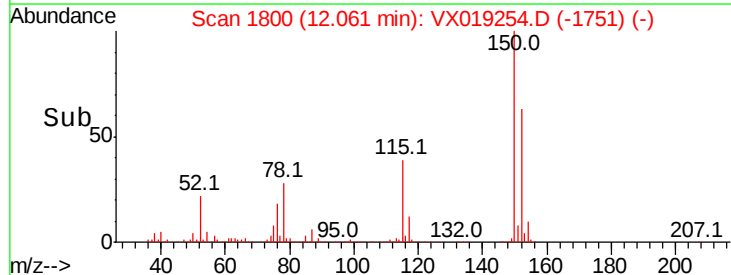
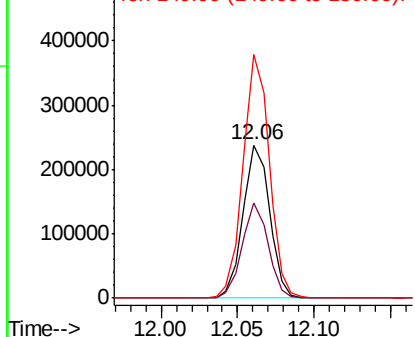


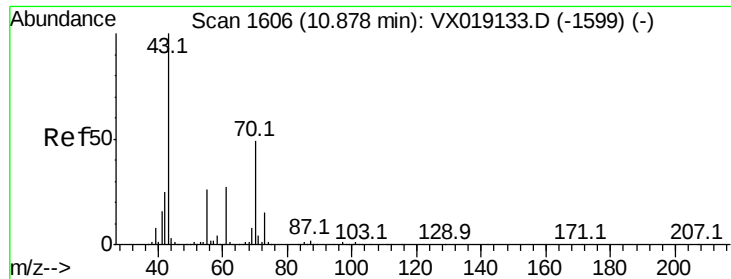
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019254.D
Acq: 03 Nov 2020 23:23

Tgt Ion:152 Resp: 288239
Ion Ratio Lower Upper
152 100
115 61.1 41.9 125.7
150 156.9 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: 0.432 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#04

Tot Ion: 43 Resp: 3225

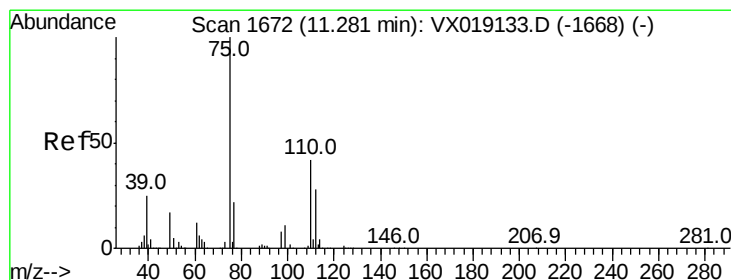
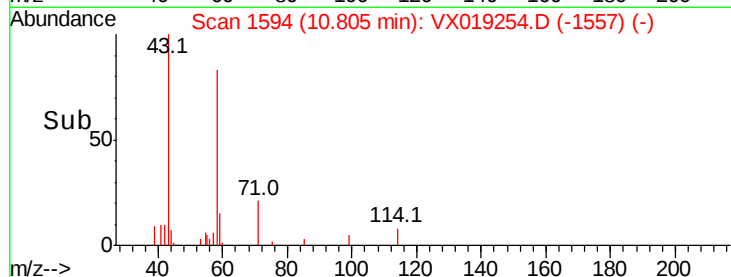
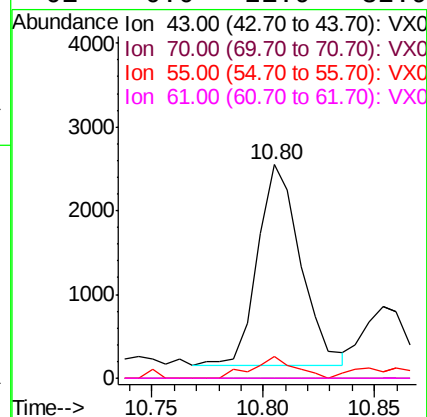
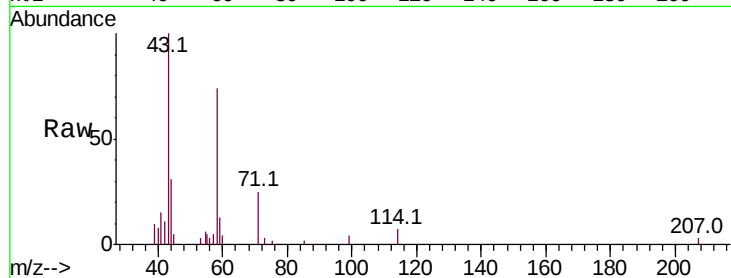
Ion Ratio Lower Upper

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: 24.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019254.D

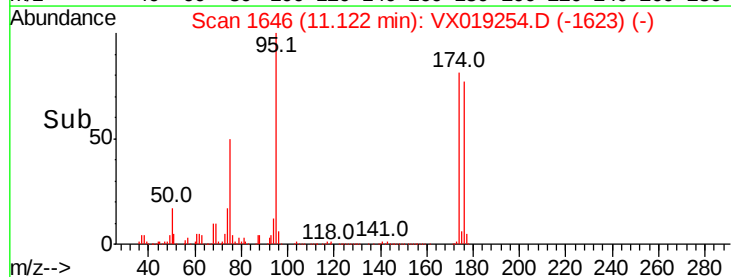
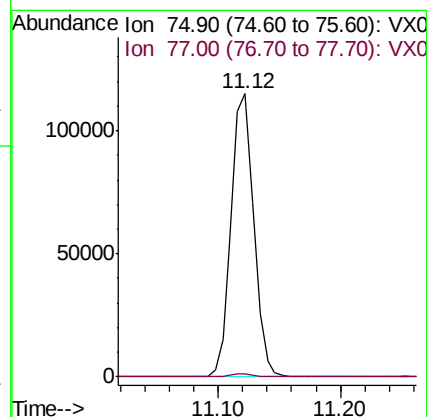
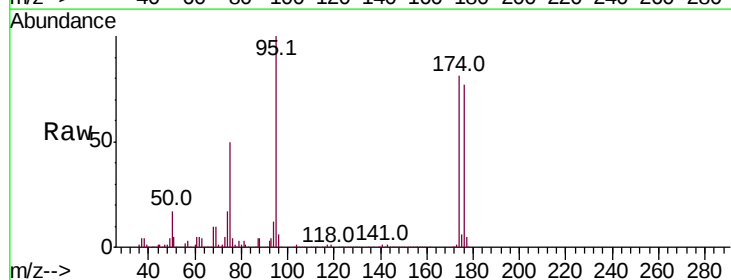
Acq: 03 Nov 2020 23:23

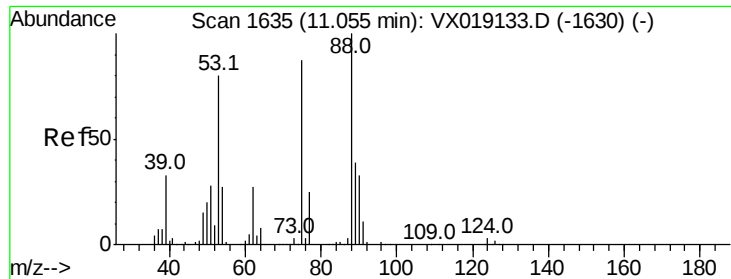
Tgt Ion: 75 Resp: 147564

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.283 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019254.D

Acq: 03 Nov 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#04

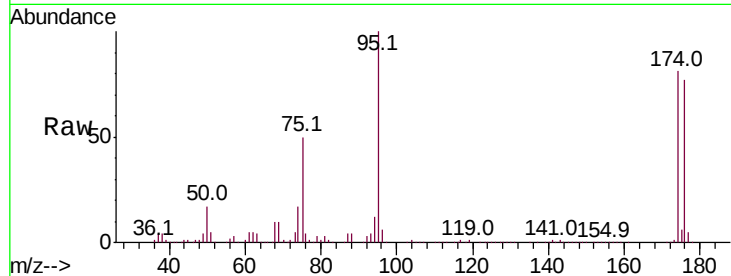
Tot Ion: 75 Resp: 147564

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

