

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019353.D
 Acq On : 06 Nov 2020 19:28
 Operator : JC/MD
 Sample : PB132855ZHE#16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132855ZHE#16

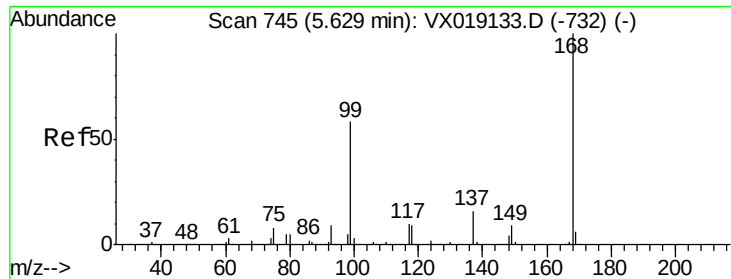
Quant Time: Nov 07 01:09:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	297433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	525802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	501077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	250069	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	210157	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
35) Dibromofluoromethane	5.46	113	163197	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	8.70	98	643791	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.12	95	252014	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	1594	2.104	ug/l #	72
13) Acrolein	2.27	56	48	5.786	ug/l #	1
16) Acetone	2.42	43	9560	7.224	ug/l	100
17) Carbon Disulfide	2.55	76	268	0.792	ug/l #	75
18) Methyl Acetate	2.75	43	3559	1.106	ug/l	97
20) Methylene Chloride	2.84	84	5900	1.776	ug/l	94
25) 2-Butanone	4.64	43	677	0.325	ug/l	95
29) Tetrahydrofuran	5.10	42	1017	0.774	ug/l #	67
31) Cyclohexane	5.63	56	6508	1.342	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	24272	4.999	ug/l #	50
38) Carbon Tetrachloride	5.64	117	30797	6.223	ug/l #	16
43) Isopropyl Acetate	6.41	43	78602	10.413	ug/l	99
48) Methyl methacrylate	7.65	41	4071	1.121	ug/l #	9
49) 1,4-Dioxane	7.85	88	236	2.921	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	77637	17.895	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	38290	6.487	ug/l #	61
56) Ethyl methacrylate	9.29	69	1092	0.206	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	6612	1.119	ug/l #	42
59) 2-Hexanone	9.42	43	75600	22.892	ug/l #	20
60) Dibromochloromethane	9.32	129	1762	0.463	ug/l #	11
64) Tetrachloroethene	9.32	164	1728	0.453	ug/l	91
74) N-amyl acetate	10.81	43	3130	0.484	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	129686	25.116	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	129686	66.131	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

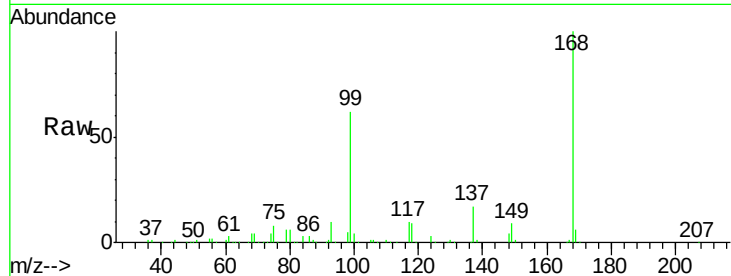
PB132855ZHE#16

Tot Ion:168 Resp: 297433

Ion Ratio Lower Upper

168 100

99 62.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

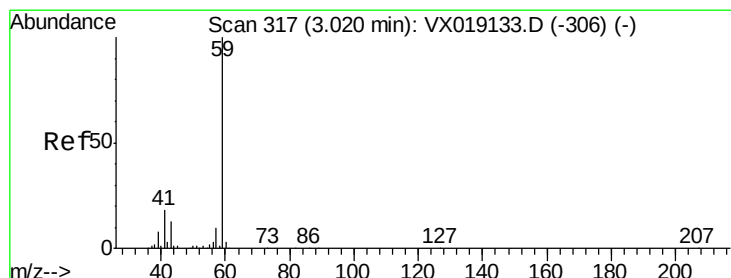
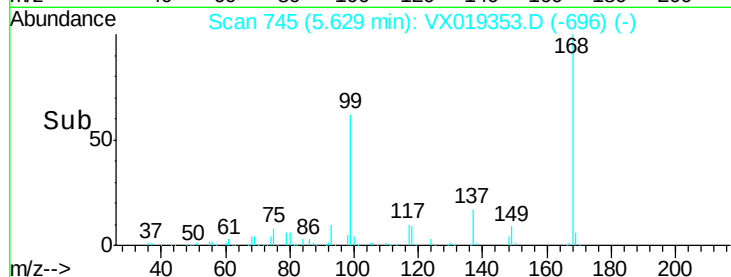
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.104 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX019353.D

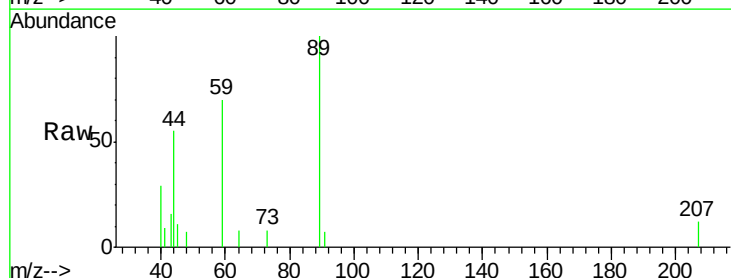
Acq: 06 Nov 2020 19:28

Tgt Ion: 59 Resp: 1594

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

2.99

800

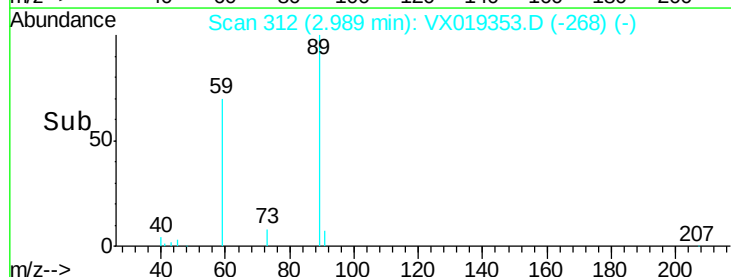
600

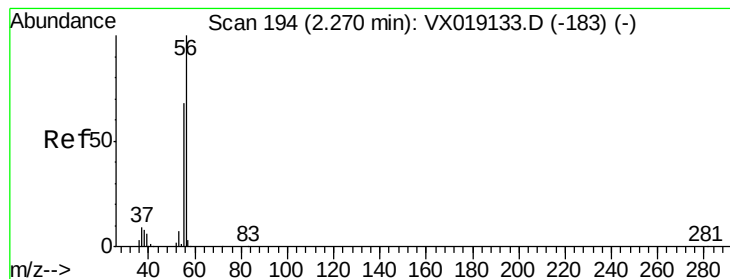
400

200

0

Time-->





#13

Acrolein

Concen: 5.786 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

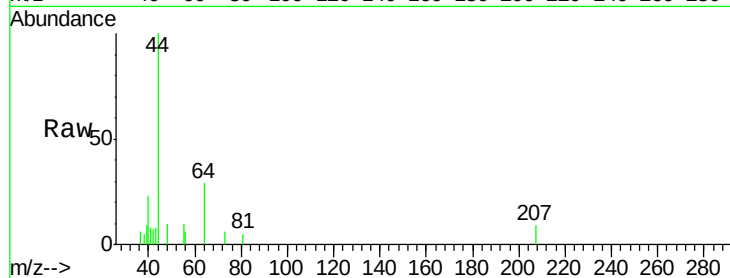
PB132855ZHE#16

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

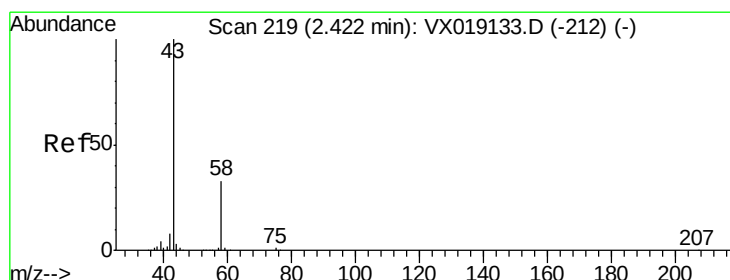
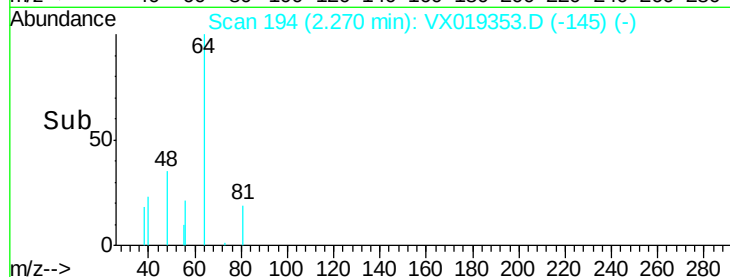
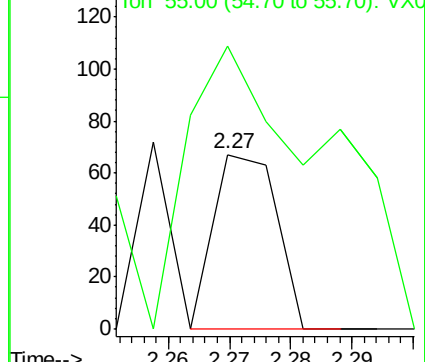
56 100

55 358.3 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: 7.224 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019353.D

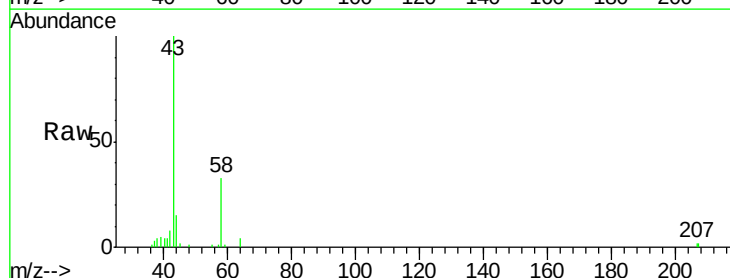
Acq: 06 Nov 2020 19:28

Tgt Ion: 43 Resp: 9560

Ion Ratio Lower Upper

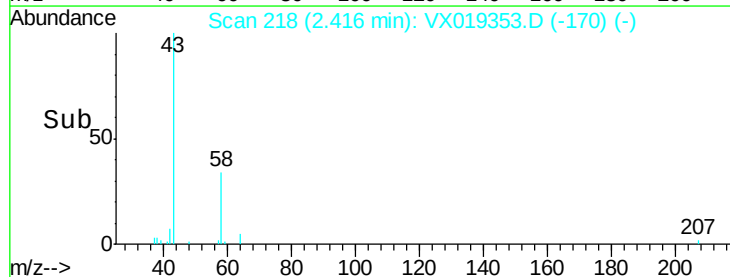
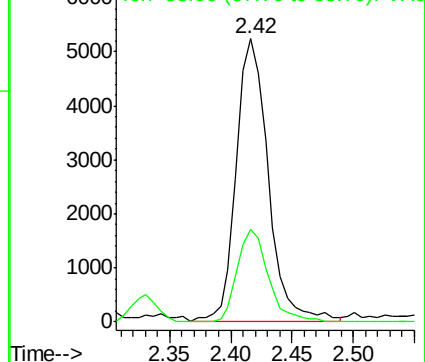
43 100

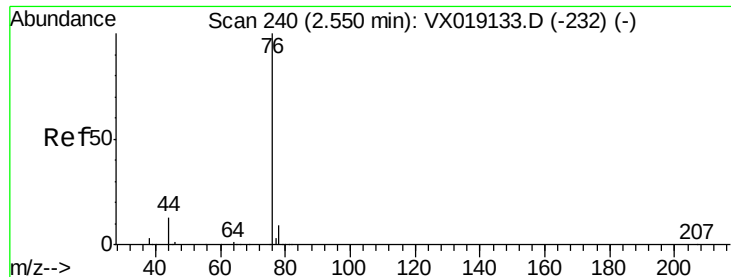
58 32.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.792 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

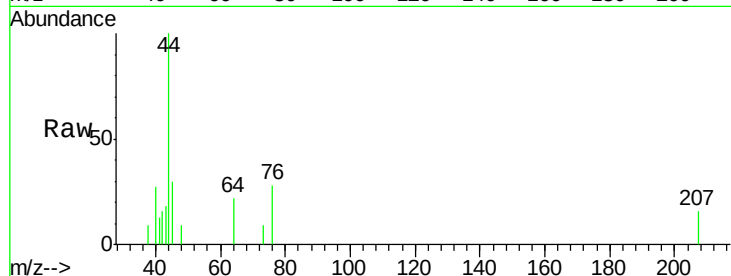
PB132855ZHE#16

Tot Ion: 76 Resp: 268

Ion Ratio Lower Upper

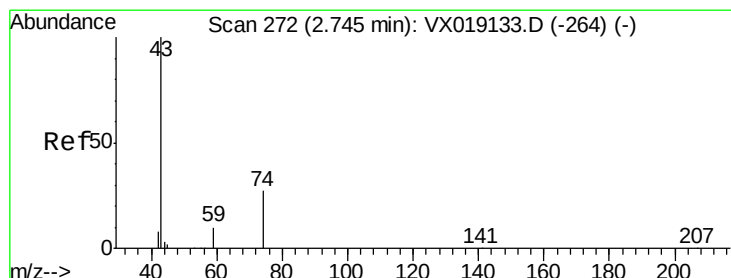
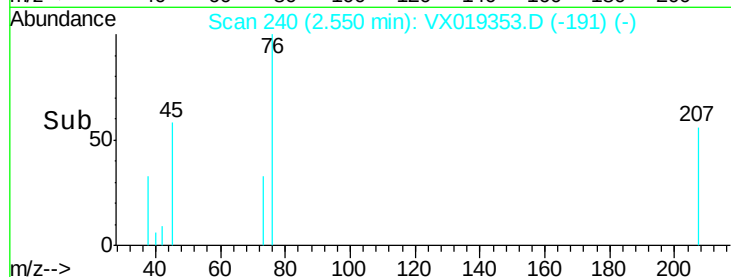
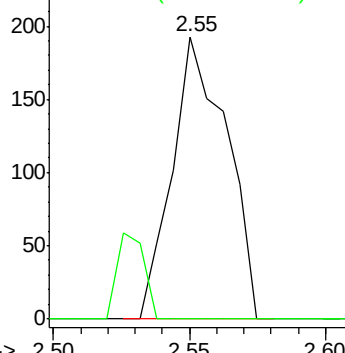
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.106 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019353.D

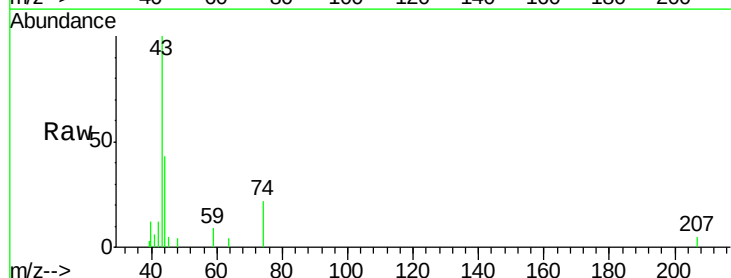
Acq: 06 Nov 2020 19:28

Tgt Ion: 43 Resp: 3559

Ion Ratio Lower Upper

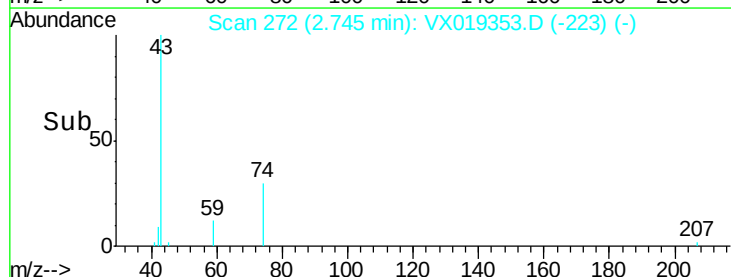
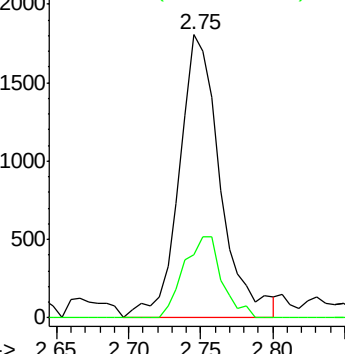
43 100

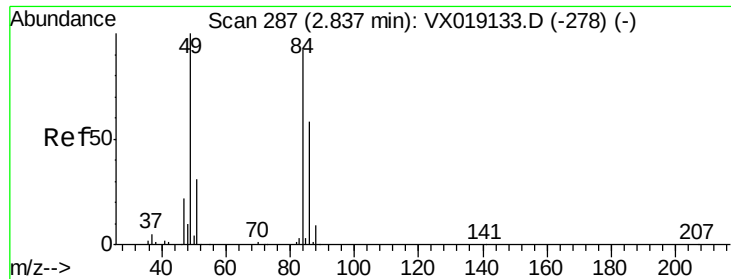
74 26.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

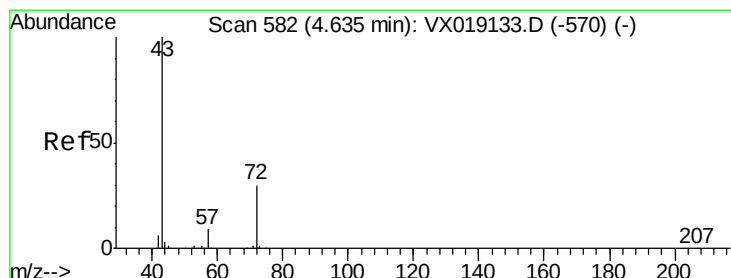
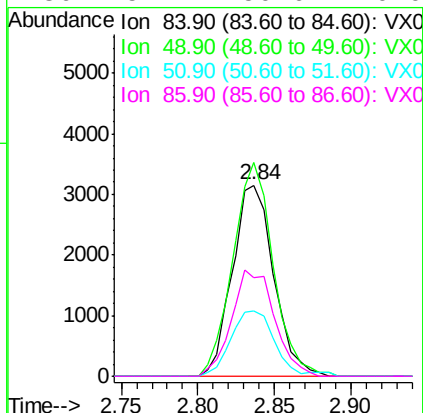
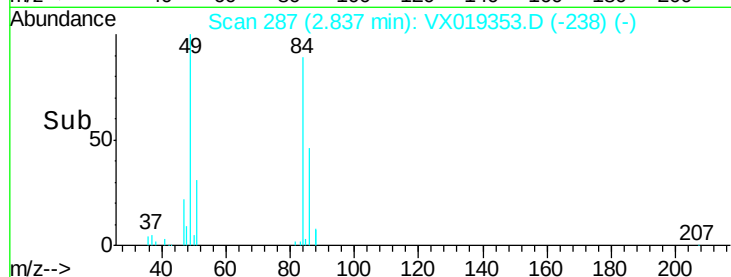
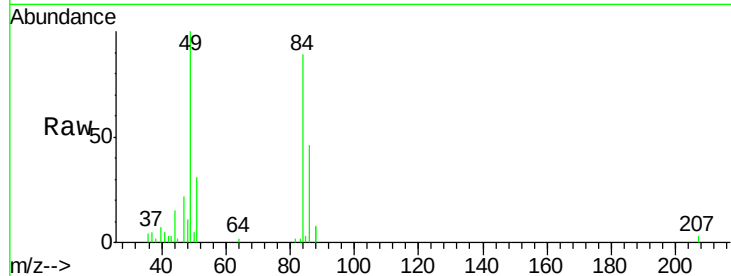




#20
Methvlene Chloride
Concen: 1.776 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019353.D
Acq: 06 Nov 2020 19:28

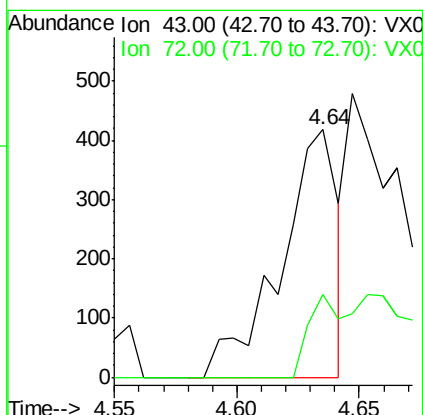
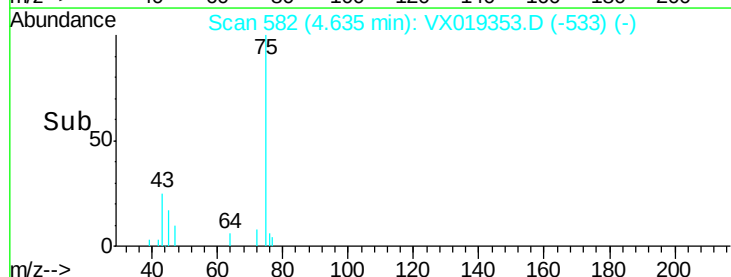
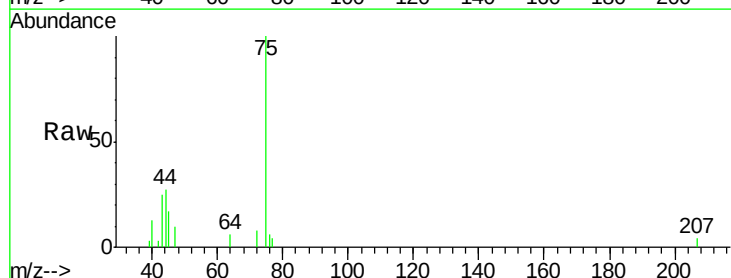
Instrument :
MSVOA_X
ClientSampleId :
PB132855ZHE#16

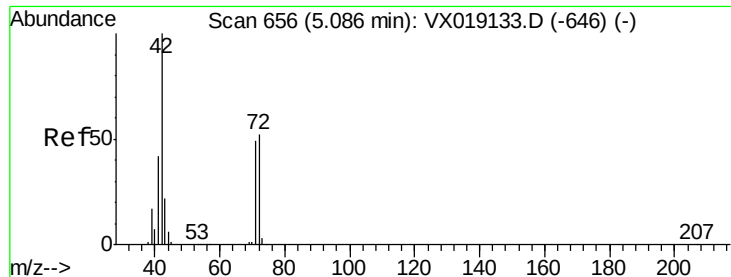
Tot Ion:	84	Resp:	5900
Ion	Ratio	Lower	Upper
84	100		
49	111.8	86.8	130.2
51	34.1	27.3	40.9
86	51.7	50.6	76.0



#25
2-Butanone
Concen: 0.325 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX019353.D
Acq: 06 Nov 2020 19:28

Tgt Ion:	43	Resp:	677
Ion	Ratio	Lower	Upper
43	100		
72	33.3	24.6	36.8





#29

Tetrahydrofuran

Concen: 0.774 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

PB132855ZHE#16

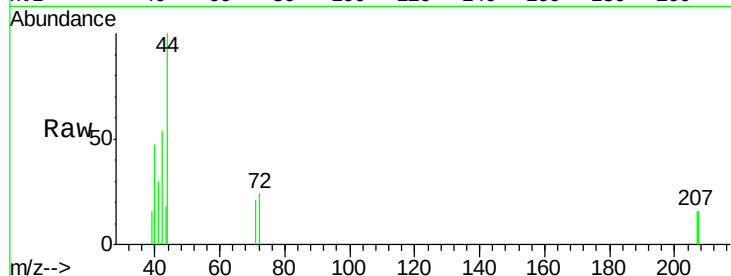
Tot Ion: 42 Resp: 1017

Ion Ratio Lower Upper

42 100

72 37.5 42.6 63.8#

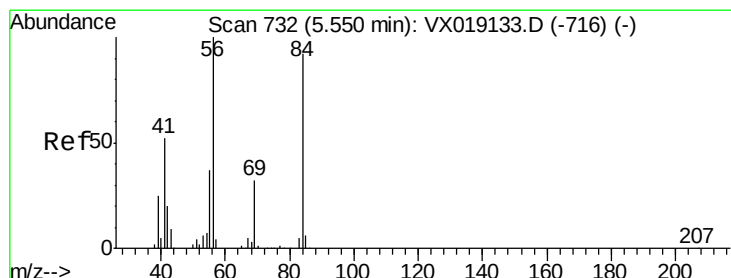
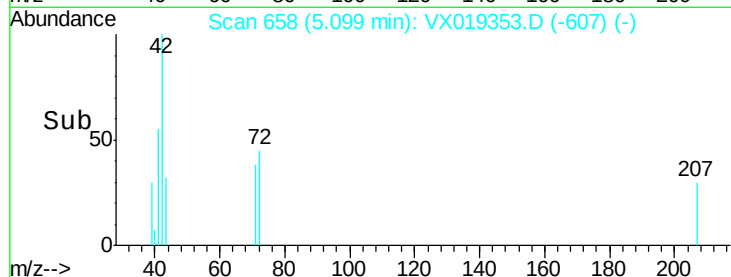
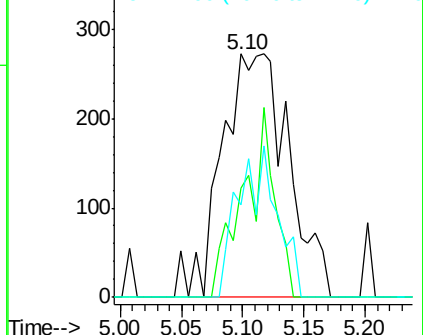
71 18.8 39.7 59.5#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

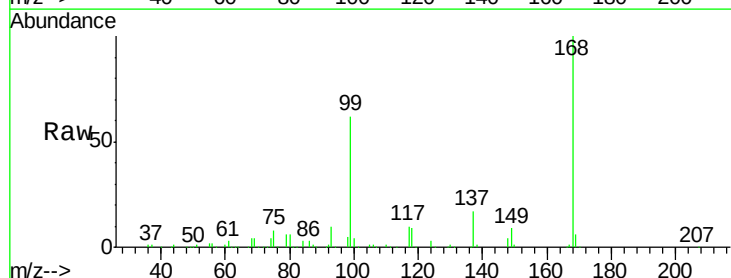
Tgt Ion: 56 Resp: 6508

Ion Ratio Lower Upper

56 100

69 182.5 25.9 38.9#

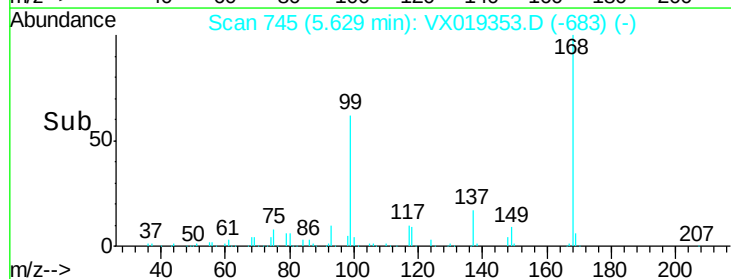
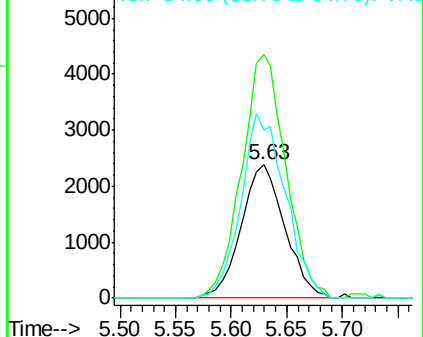
84 126.5 73.4 110.2#

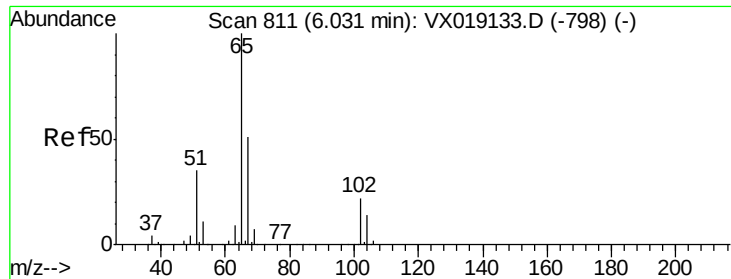


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.789 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

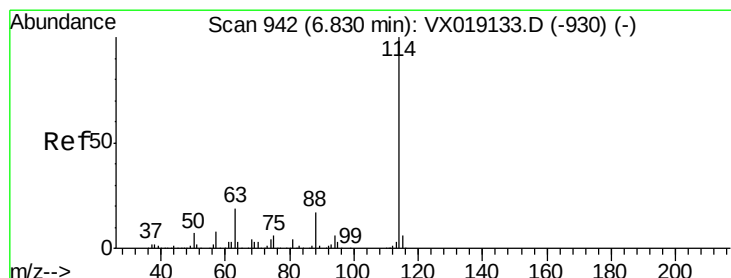
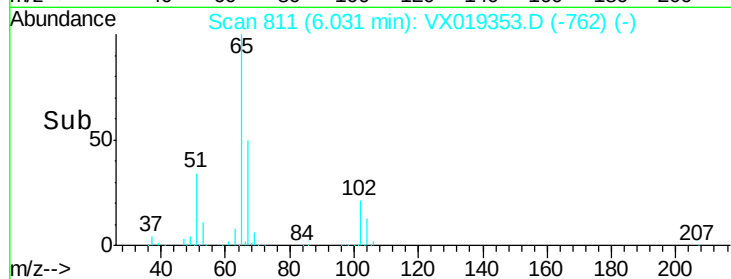
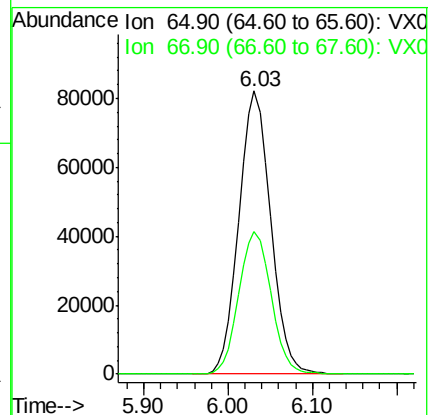
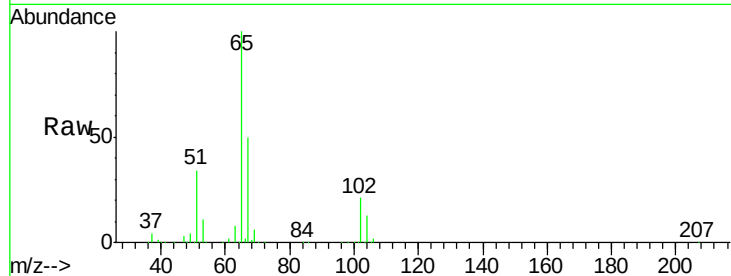
PB132855ZHE#16

Tot Ion: 65 Resp: 210157

Ion Ratio Lower Upper

65 100

67 51.3 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: VX019353.D

Acq: 06 Nov 2020 19:28

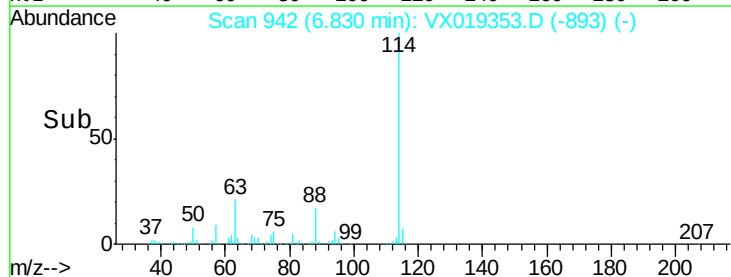
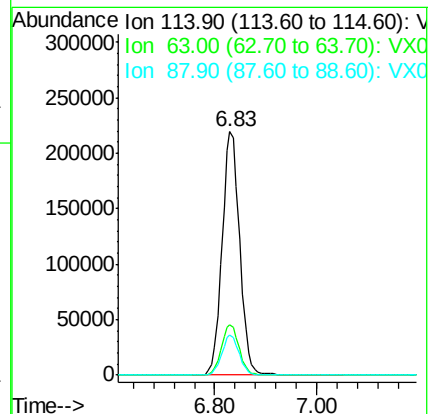
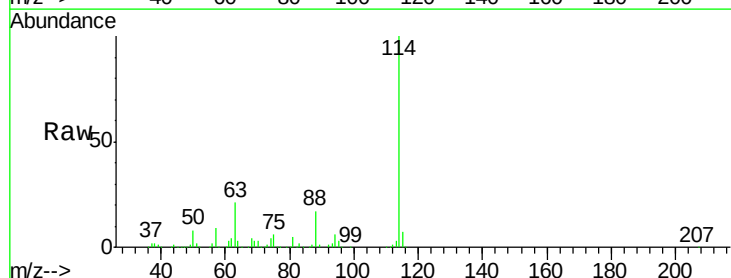
Tgt Ion: 114 Resp: 525802

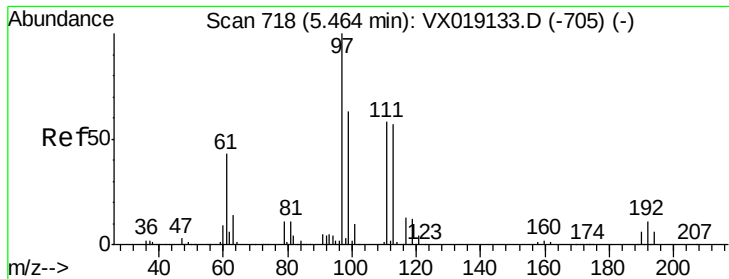
Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

88 16.6 0.0 34.2

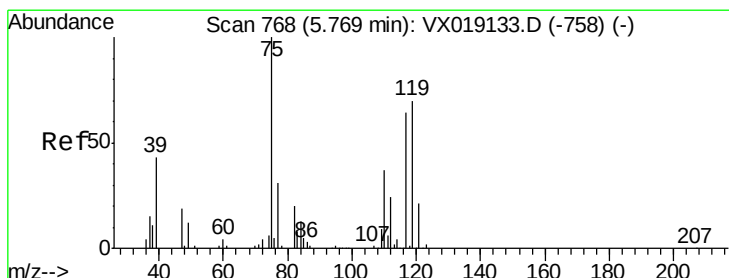
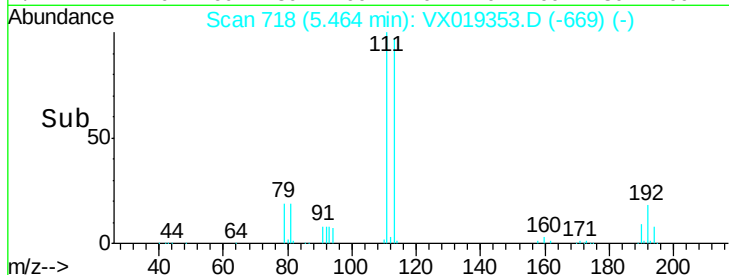
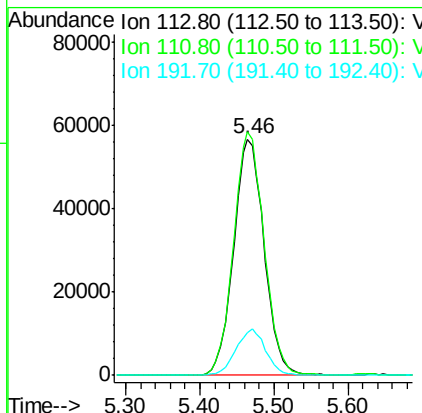
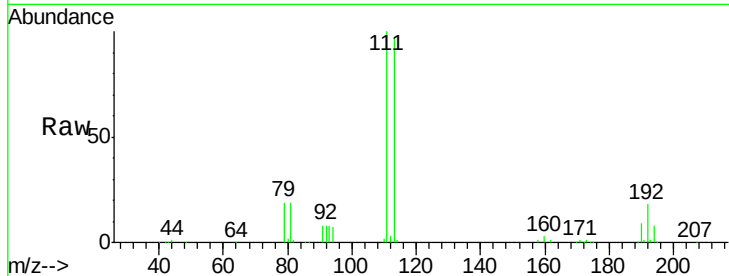




#35
 Dibromofluoromethane
 Concen: 49.412 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

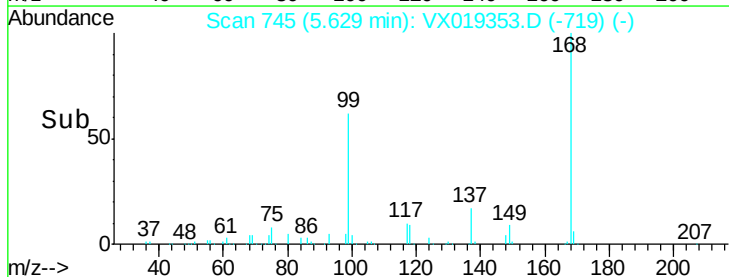
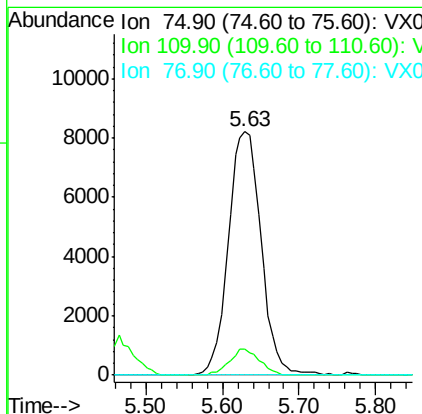
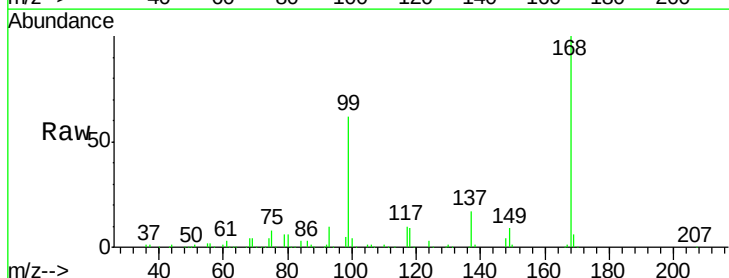
Instrument :
 MSVOA_X
 ClientSampleId :
 PB132855ZHE#16

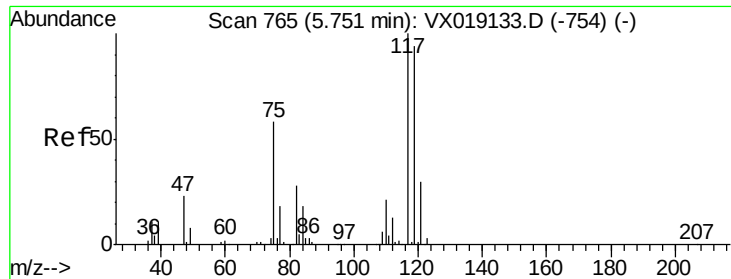
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.3	123.5
192	19.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.223 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

PB132855ZHE#16

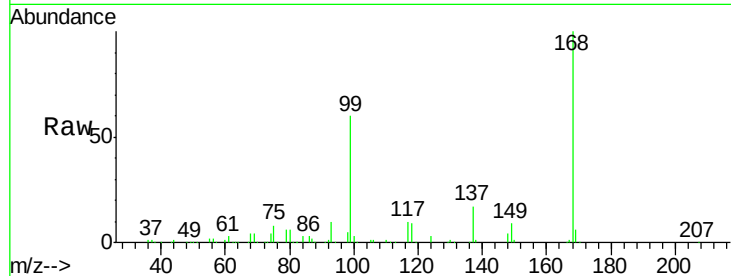
Tot Ion:117 Resp: 30797

Ion Ratio Lower Upper

117 100

119 3.6 75.0 112.6#

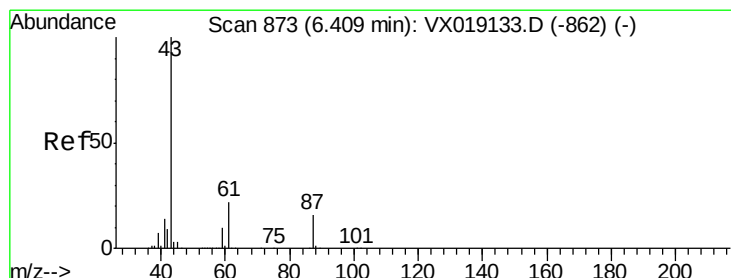
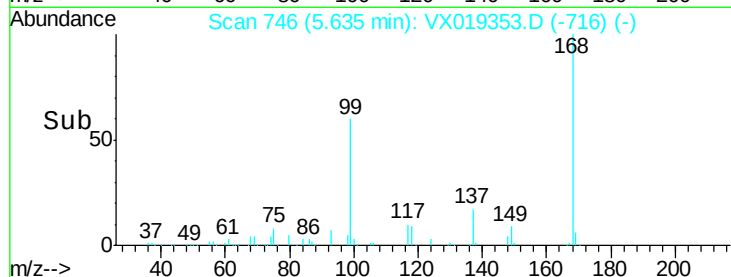
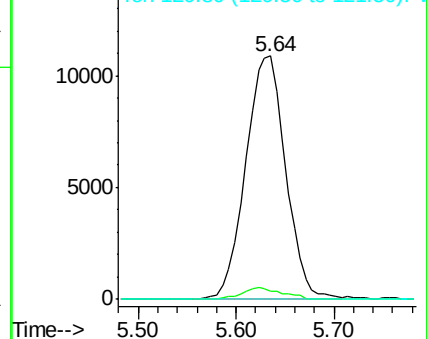
121 0.0 23.9 35.9#



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: 10.413 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

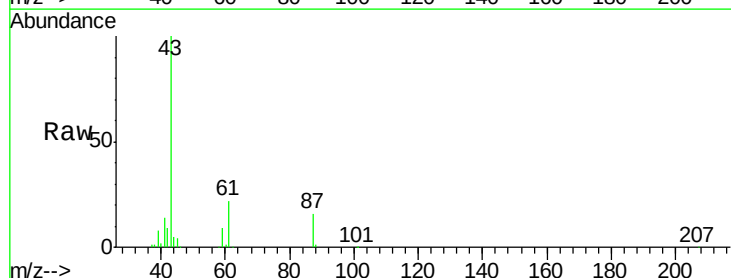
Tgt Ion: 43 Resp: 78602

Ion Ratio Lower Upper

43 100

61 21.9 17.8 26.6

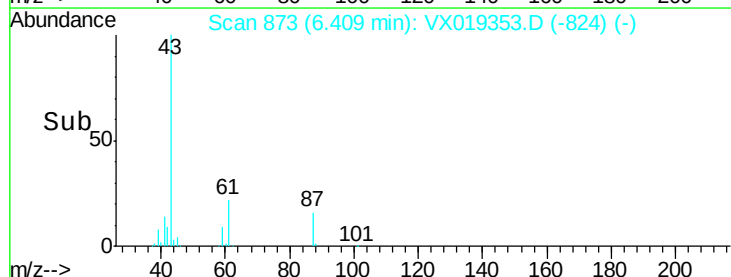
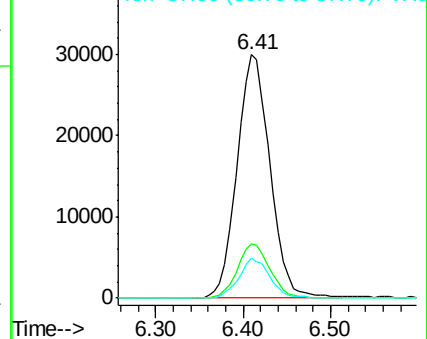
87 15.3 12.6 19.0

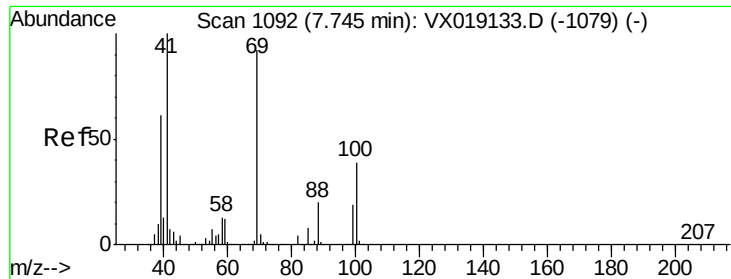


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

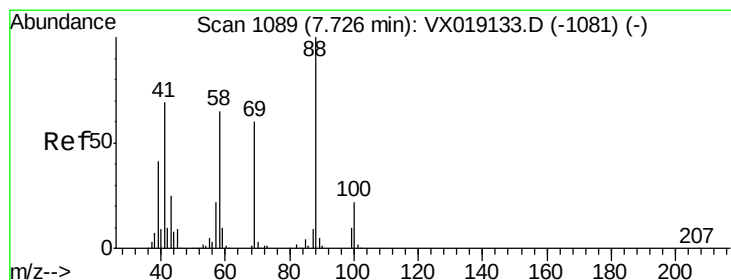
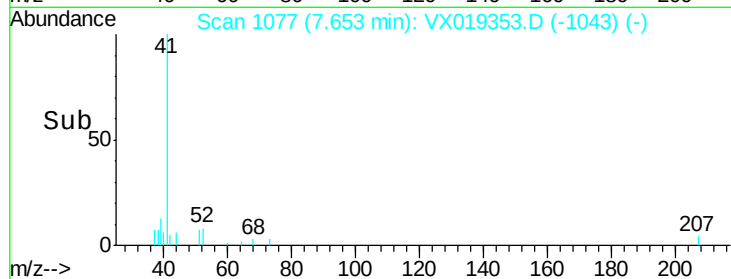
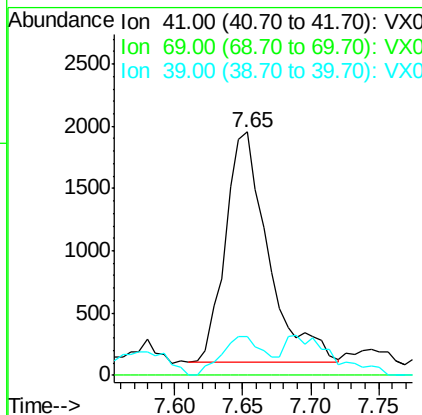
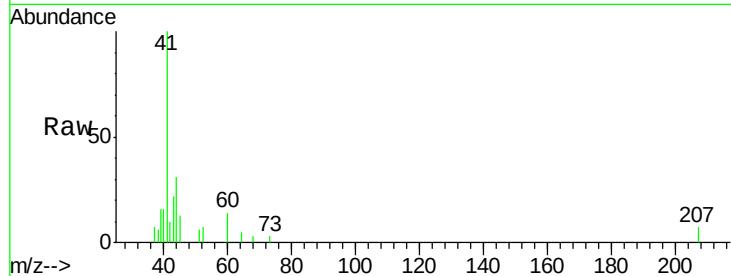




#48
Methvl methacrylate
Concen: 1.121 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019353.D
Acq: 06 Nov 2020 19:28

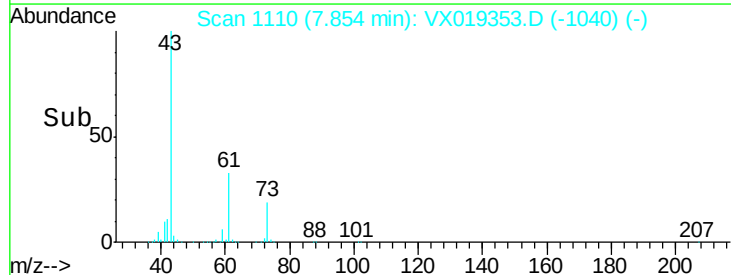
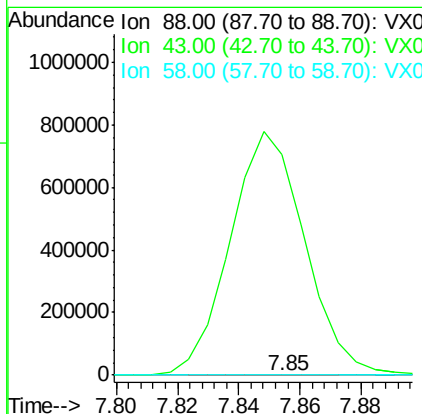
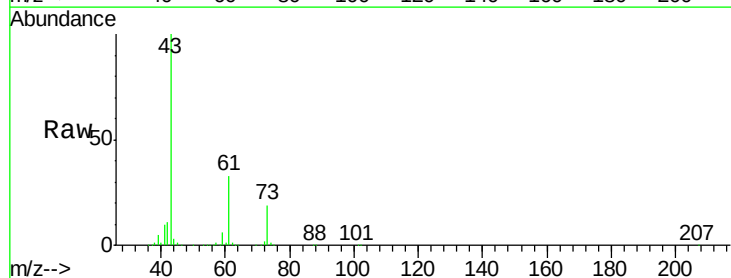
Instrument :
MSVOA_X
ClientSampleId :
PB132855ZHE#16

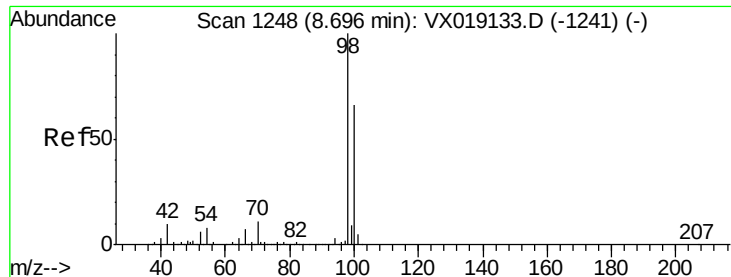
Tot Ion: 41 Resp: 4071
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 2.921 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.13 min
Lab File: VX019353.D
Acq: 06 Nov 2020 19:28

Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 564653.8 23.0 34.6#
58 2614.8 52.2 78.2#





#50

Toluene-d8

Concen: 51.709 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

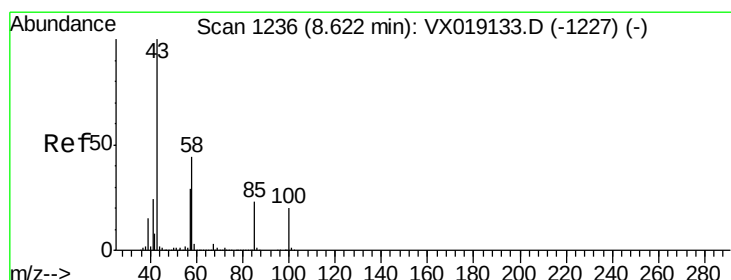
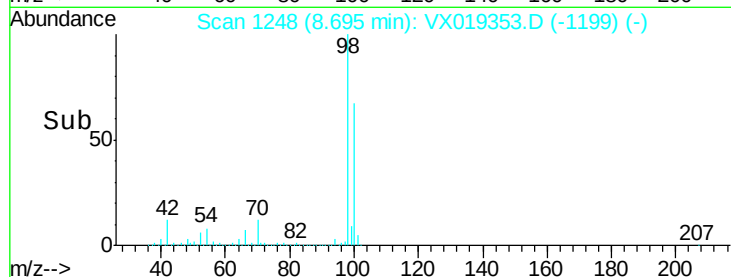
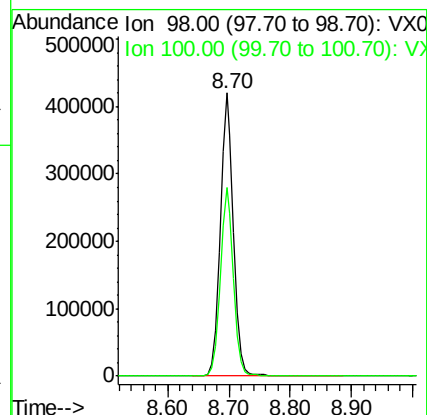
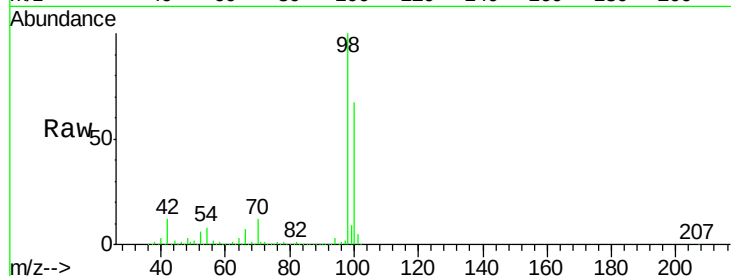
PB132855ZHE#16

Tot Ion: 98 Resp: 643791

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 17.895 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019353.D

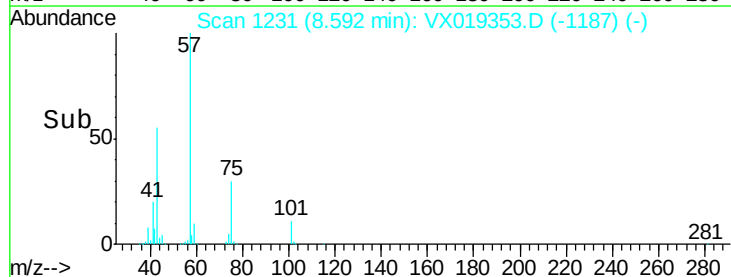
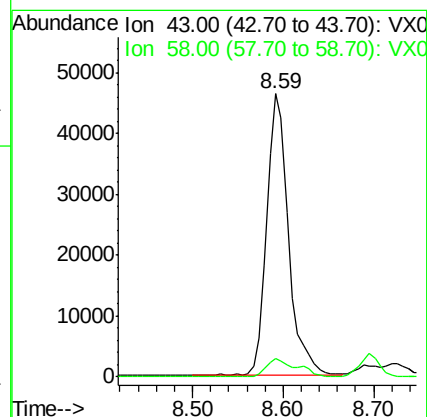
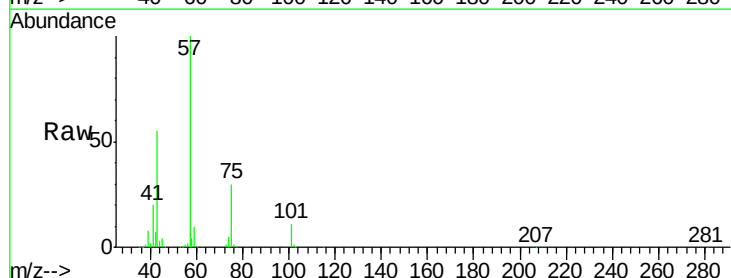
Acq: 06 Nov 2020 19:28

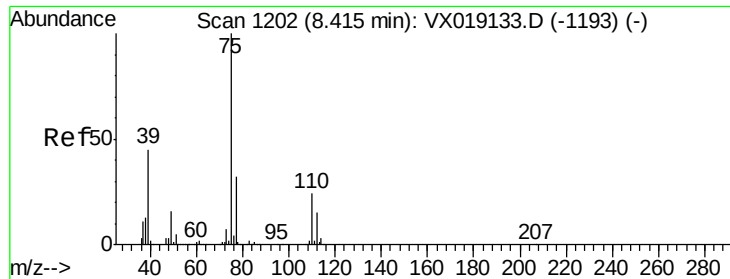
Tgt Ion: 43 Resp: 77637

Ion Ratio Lower Upper

43 100

58 9.2 35.0 52.4#



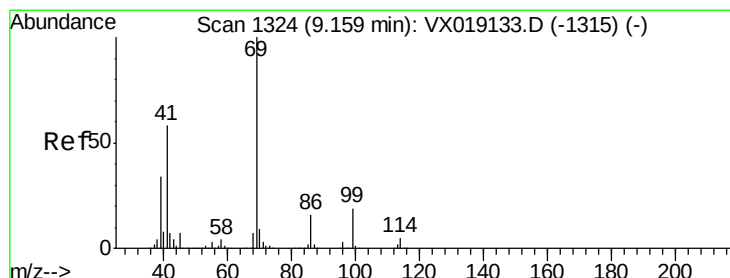
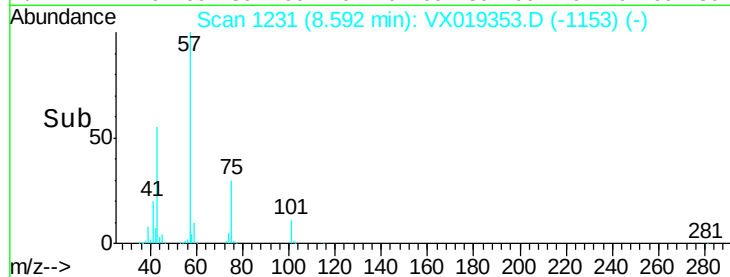
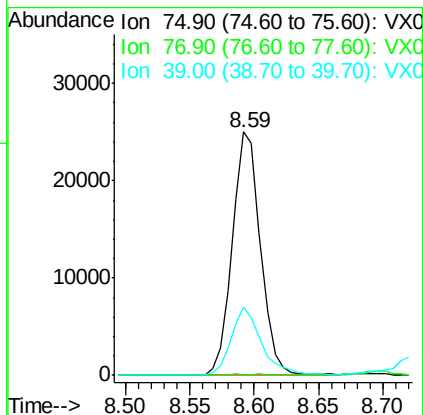
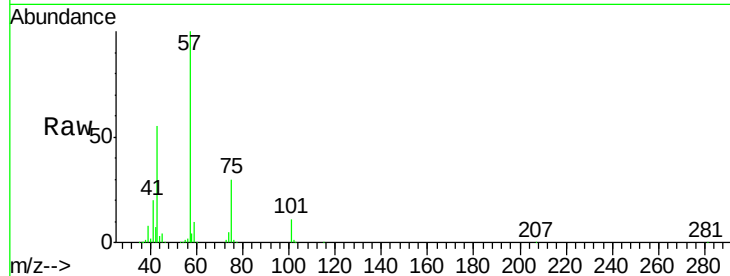


#54

cis-1,3-Dichloropropene
 Concen: 6.487 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132855ZHE#16

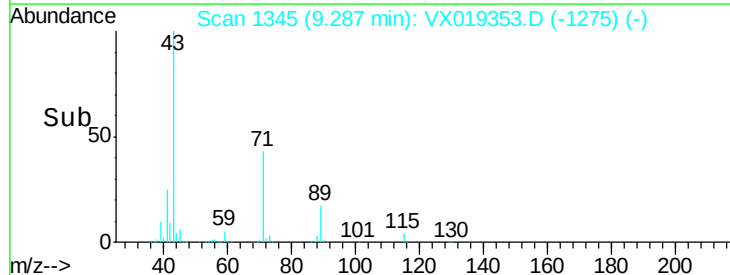
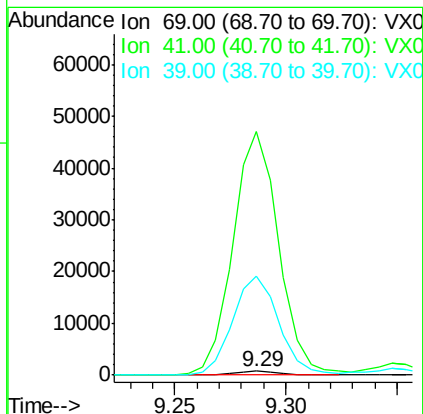
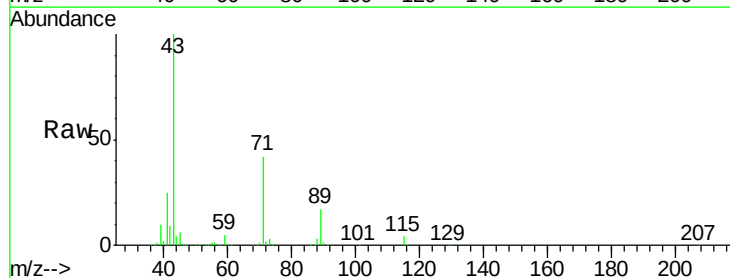
Tot Ion: 75 Resp: 38290
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.5 38.3#
 39 28.0 36.2 54.2#

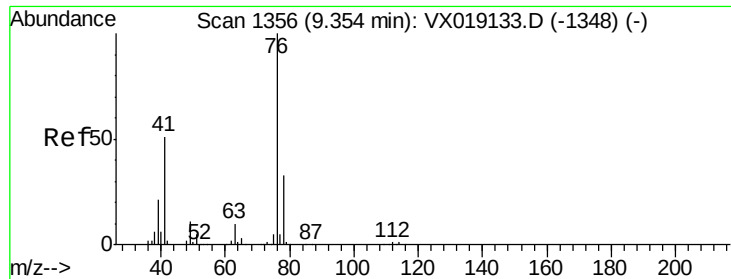


#56

Ethyl methacrylate
 Concen: 0.206 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

Tgt Ion: 69 Resp: 1092
 Ion Ratio Lower Upper
 69 100
 41 6174.1 46.5 69.7#
 39 2539.9 27.6 41.4#

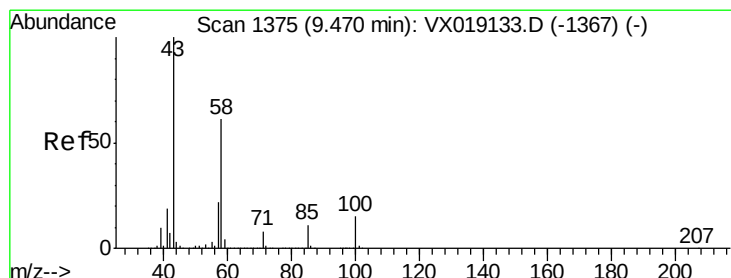
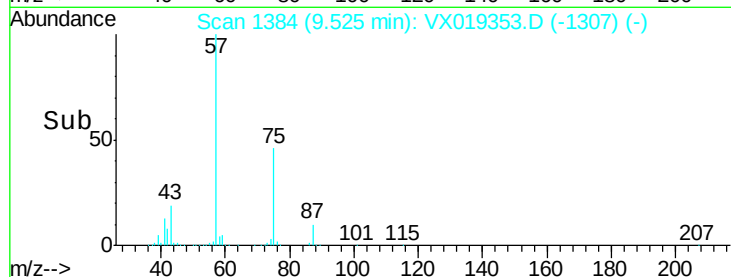
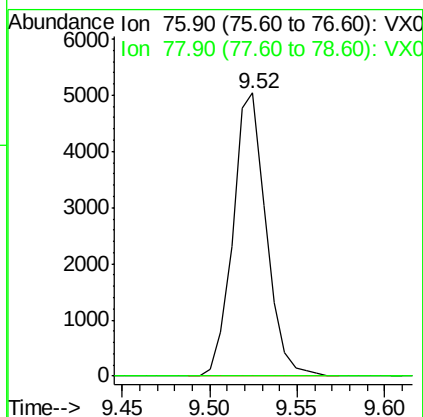
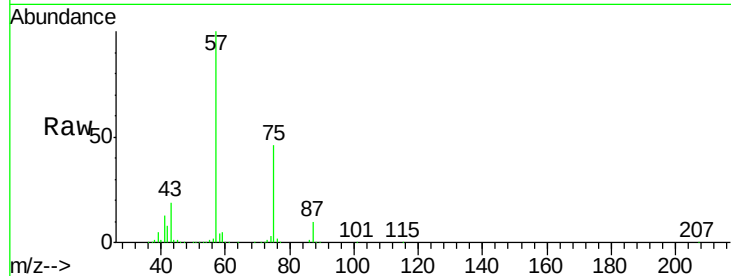




#57
 1,3-Dichloropropane
 Concen: 1.119 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

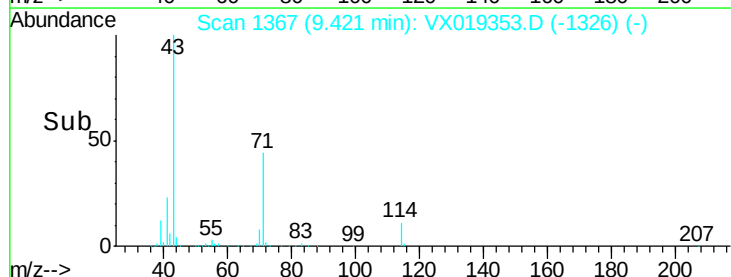
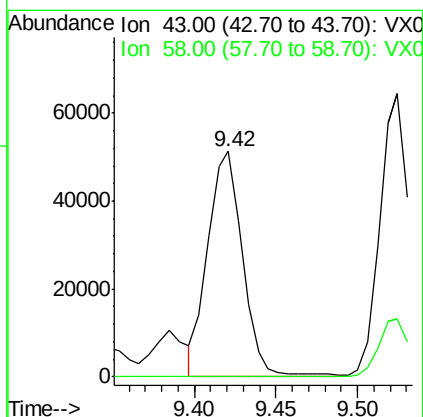
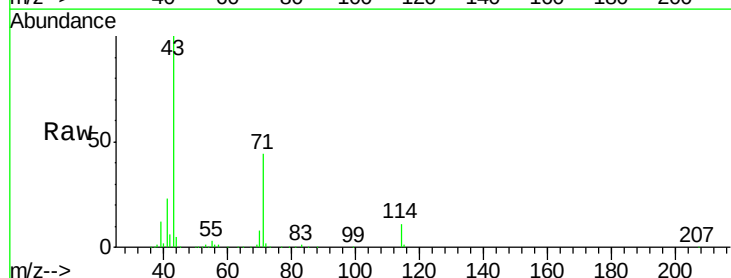
Instrument :
 MSVOA_X
 ClientSampleId :
 PB132855ZHE#16

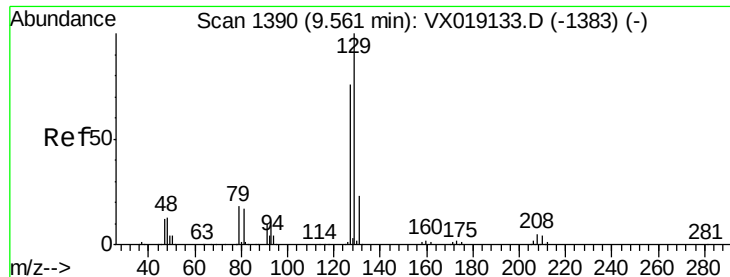
Tot Ion: 76 Resp: 6612
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 22.892 ug/l
 RT: 9.42 min Scan# 1367
 Delta R.T. -0.05 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

Tgt Ion: 43 Resp: 75600
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.5 91.5#





#60

Dibromochloromethane

Concen: 0.463 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

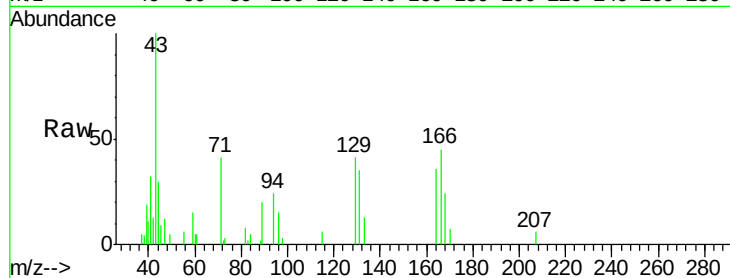
PB132855ZHE#16

Tot Ion:129 Resp: 1762

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

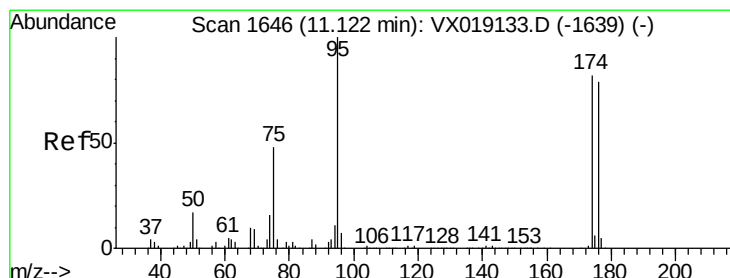
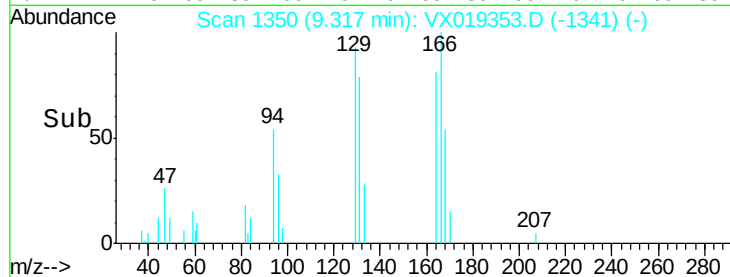
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.450 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

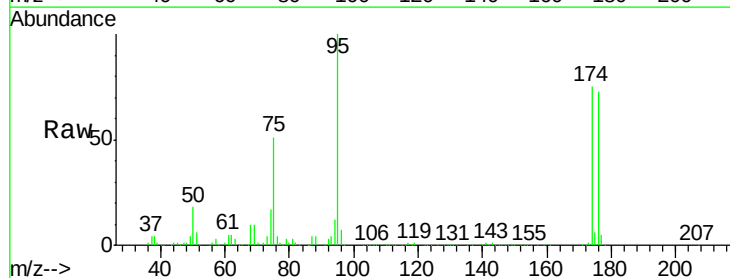
Tgt Ion: 95 Resp: 252014

Ion Ratio Lower Upper

95 100

174 75.9 0.0 156.0

176 73.2 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

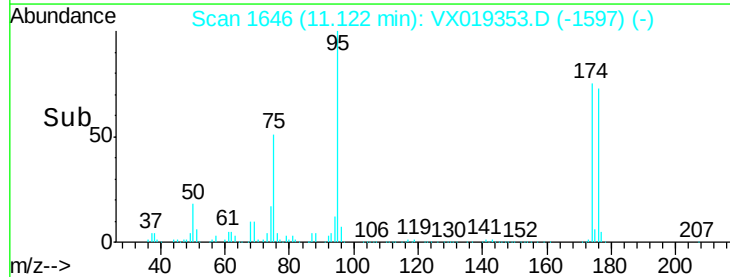
150000

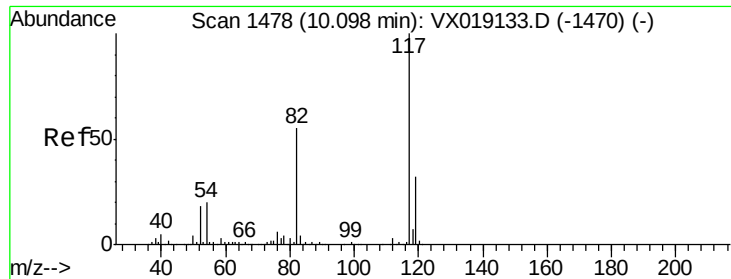
100000

50000

0

Time-->

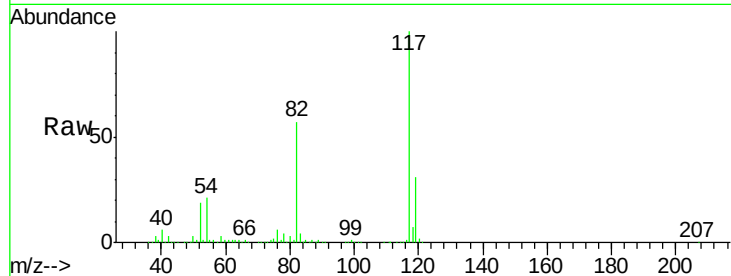




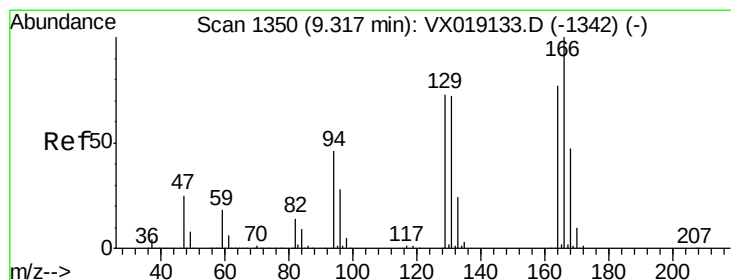
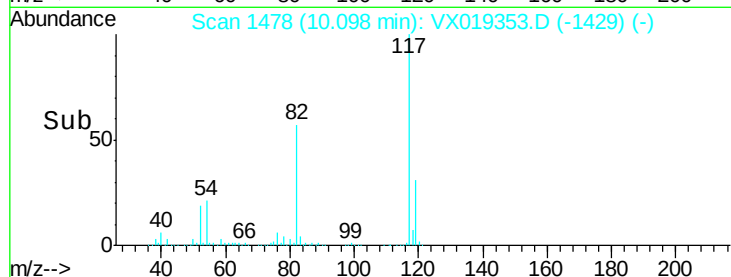
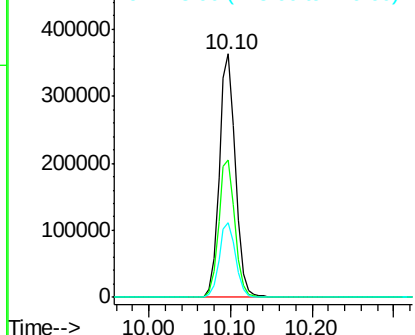
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019353.D
Acq: 06 Nov 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
PB132855ZHE#16

Tot Ion:117 Resp: 501077
Ion Ratio Lower Upper
117 100
82 56.6 43.6 65.4
119 30.7 25.5 38.3

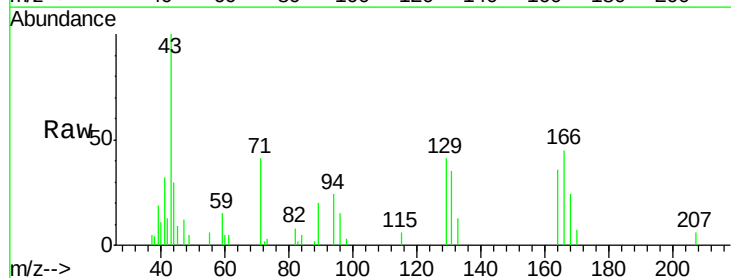


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

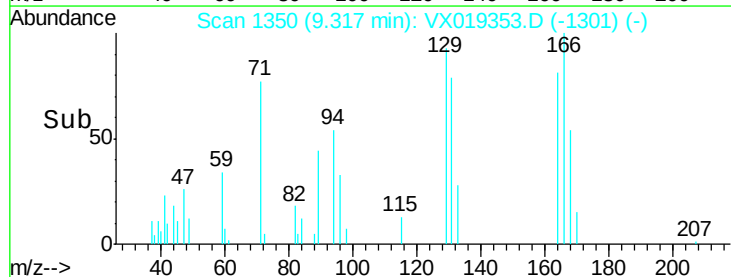
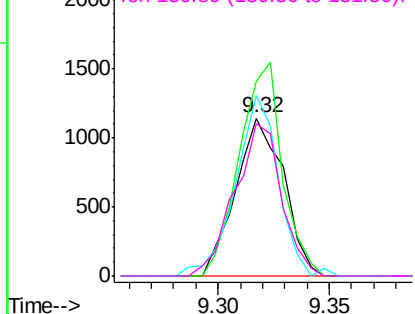


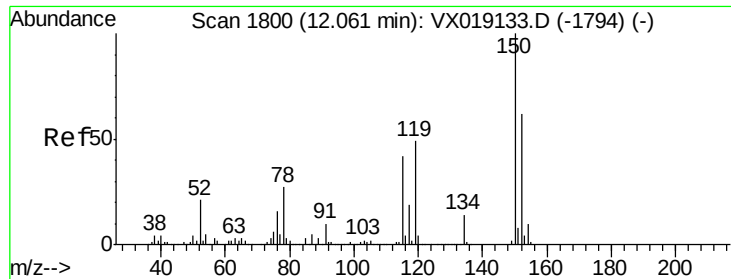
#64
Tetrachloroethene
Concen: 0.453 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019353.D
Acq: 06 Nov 2020 19:28

Tgt Ion:164 Resp: 1728
Ion Ratio Lower Upper
164 100
166 122.9 104.1 156.1
129 114.0 76.2 114.4
131 96.5 74.6 112.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX019353.D

Acq: 06 Nov 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

PB132855ZHE#16

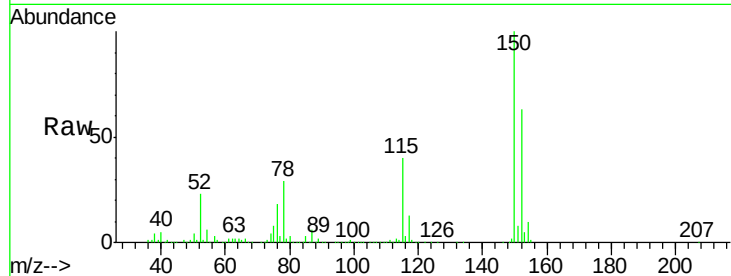
Tot Ion:152 Resp: 250069

Ion Ratio Lower Upper

152 100

115 62.2 41.9 125.7

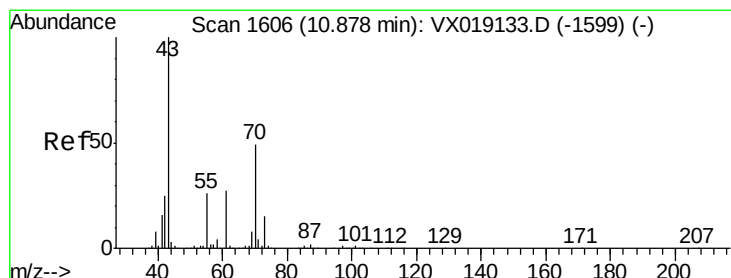
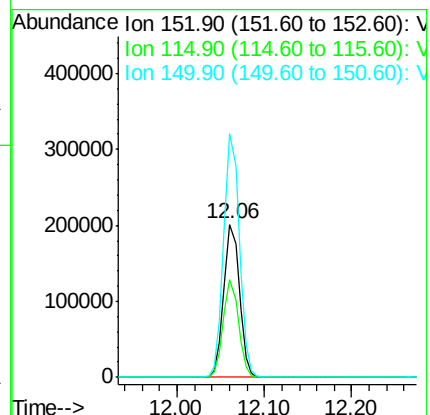
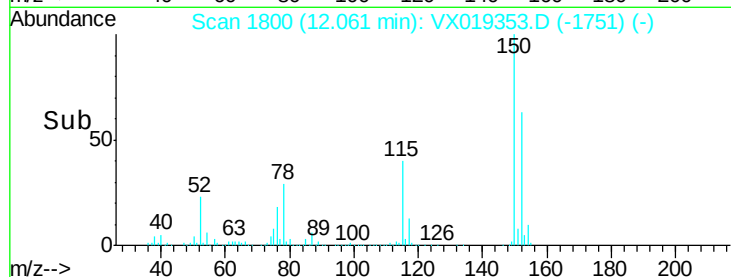
150 159.1 0.0 347.8



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-ethyl acetate

Concen: 0.484 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX019353.D

Acq: 06 Nov 2020 19:28

Tgt Ion: 43 Resp: 3130

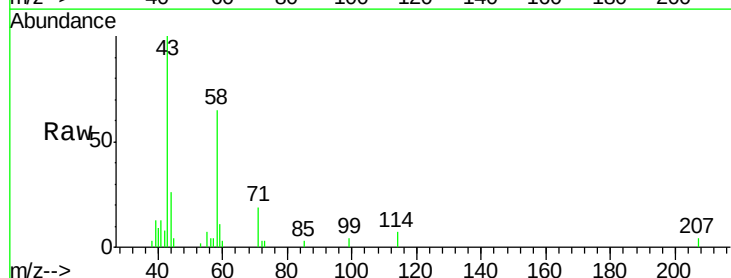
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 10.6 20.7 31.1#

61 0.0 21.9 32.9#

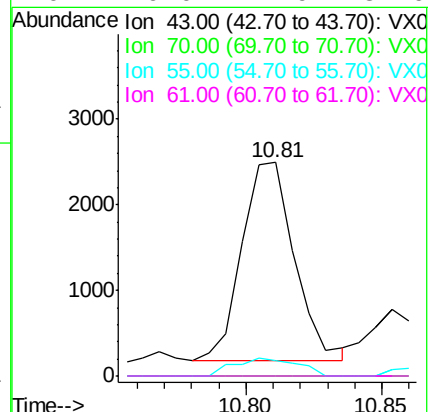
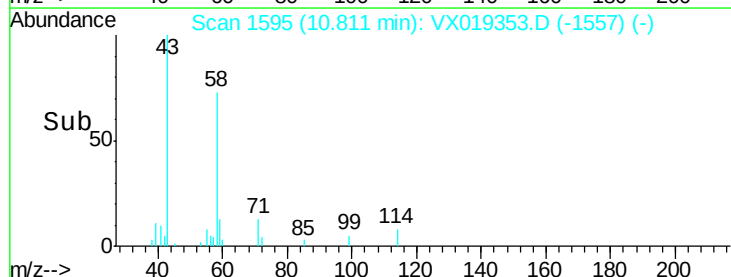


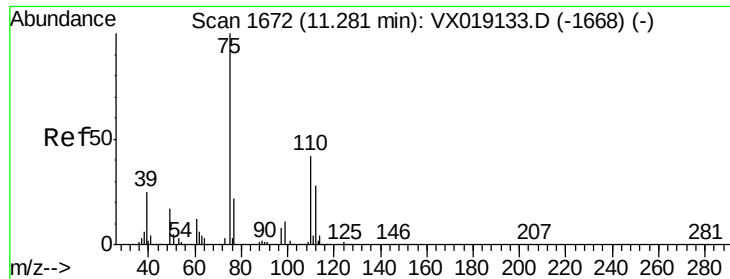
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

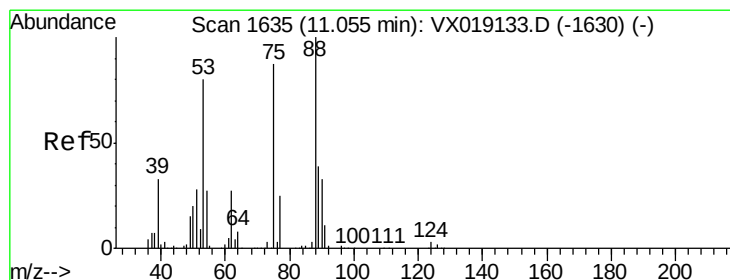
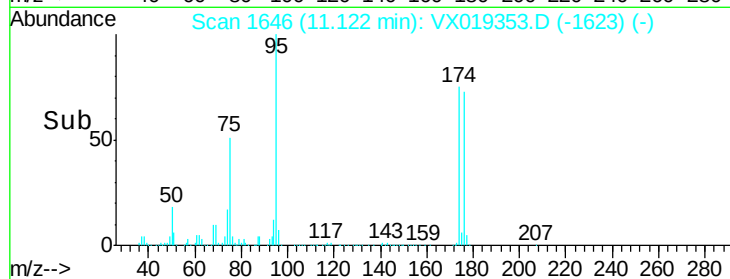
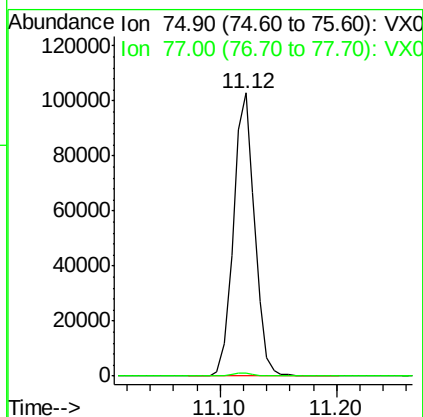
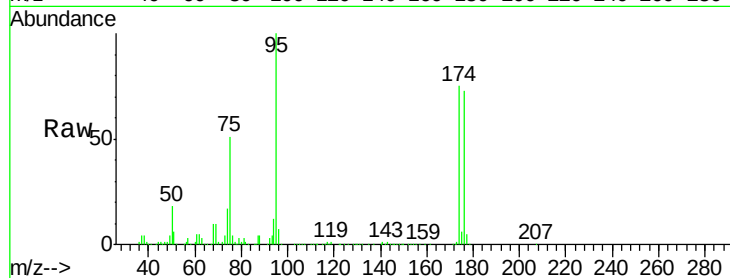




#76
 1,2,3-Trichloropropane
 Concen: 25.116 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132855ZHE#16

Tot Ion: 75 Resp: 129686
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.131 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019353.D
 Acq: 06 Nov 2020 19:28

Tgt Ion: 75 Resp: 129686
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

