

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082620\
 Data File : VX018071.D
 Acq On : 26 Aug 2020 12:53
 Operator : JC/SP
 Sample : PB131195ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#02

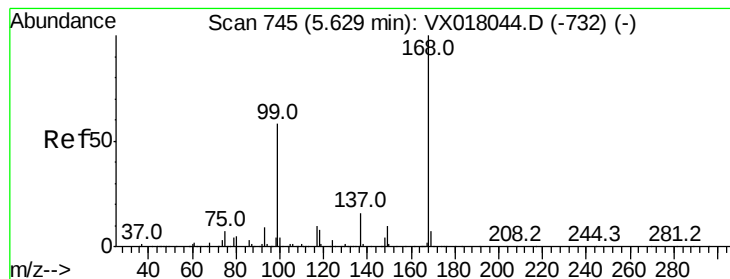
Quant Time: Aug 27 04:03:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	460855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	717144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	695075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	330590	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	320173	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.08%		
35) Dibromofluoromethane	5.46	113	254290	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.12%		
50) Toluene-d8	8.70	98	884216	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.22%		
62) 4-Bromofluorobenzene	11.12	95	317844	44.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	1310	0.221	ug/l #	81
10) Methyl Iodide	2.49	142	680	5.418	ug/l #	67
11) Tert butyl alcohol	3.00	59	6422	5.162	ug/l #	80
13) Acrolein	2.28	56	592	1.148	ug/l #	52
15) Acrylonitrile	3.12	53	591	0.209	ug/l #	17
16) Acetone	2.42	43	60938	24.444	ug/l	94
18) Methyl Acetate	2.75	43	7093	1.179	ug/l #	69
20) Methylene Chloride	2.84	84	37509	6.339	ug/l	91
25) 2-Butanone	4.65	43	11298	2.758	ug/l #	83
36) 1,1-Dichloropropene	5.64	75	36487	5.516	ug/l #	52
38) Carbon Tetrachloride	5.63	117	49268	6.609	ug/l #	18
43) Isopropyl Acetate	6.42	43	122528	9.875	ug/l	98
48) Methyl methacrylate	7.85	41	200030	32.383	ug/l #	44
49) 1,4-Dioxane	7.73	88	342	3.057	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	123380	16.097	ug/l #	54
54) cis-1,3-Dichloropropene	8.60	75	48982	5.672	ug/l #	60
59) 2-Hexanone	9.42	43	110882	19.025	ug/l #	25
74) N-amyl acetate	10.81	43	5491	0.531	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	166174	22.596	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	10917	0.609	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	166174	61.028	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: VX018071.D

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ClientSampleId :

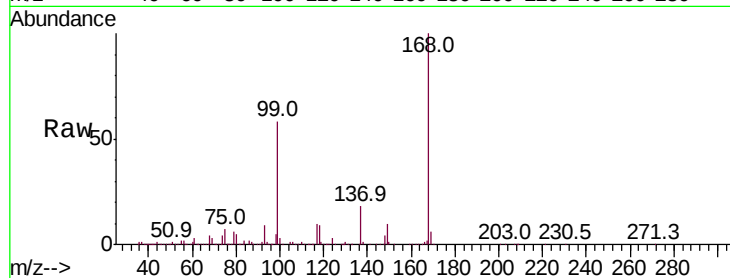
PB131195ZHE#02

Tot Ion:168 Resp: 460855

Ion Ratio Lower Upper

168 100

99 57.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

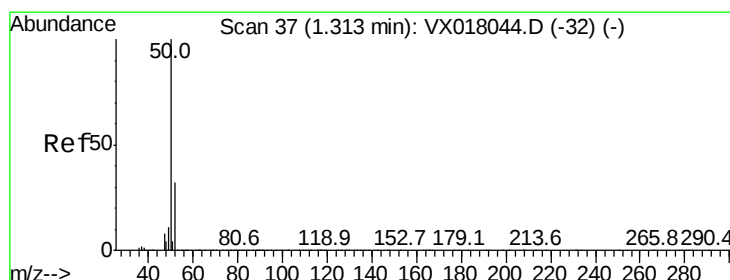
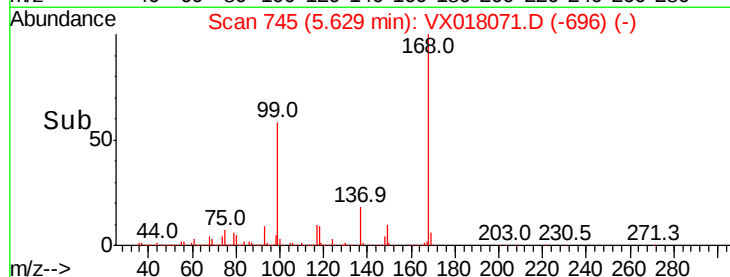
100000

50000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.34 min Scan# 41

Delta R.T. 0.02 min

Lab File: VX018071.D

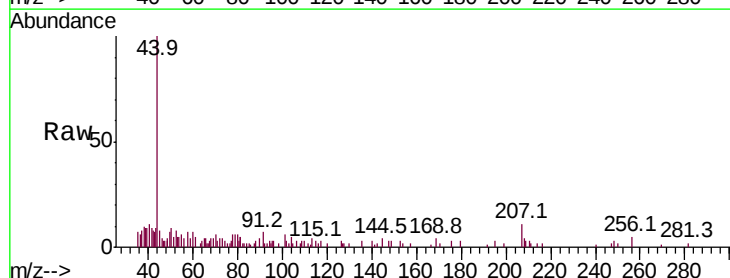
Acq: 26 Aug 2020 12:53

Tgt Ion: 50 Resp: 1310

Ion Ratio Lower Upper

50 100

52 42.2 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

600

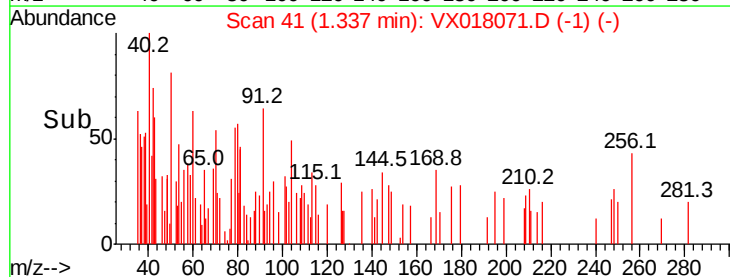
400

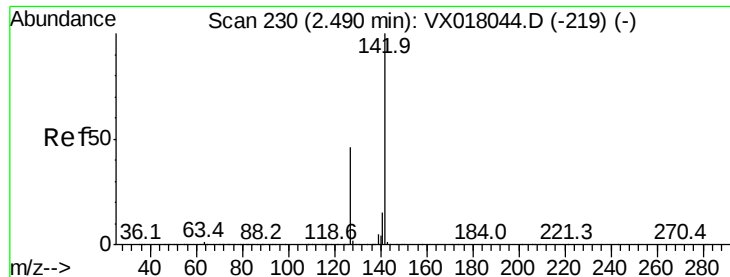
200

0

Time-->

1.25 1.30 1.35

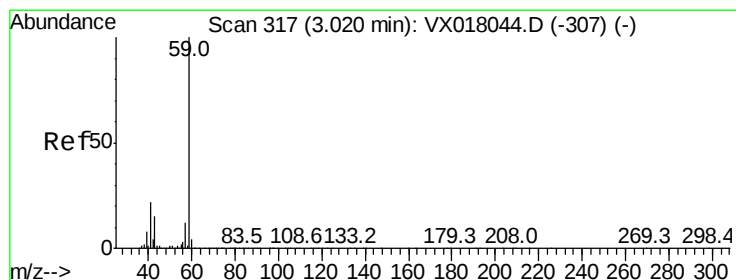
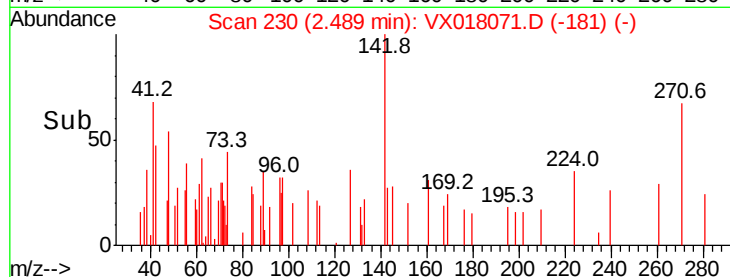
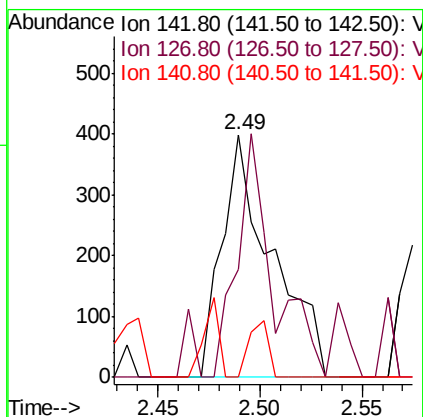
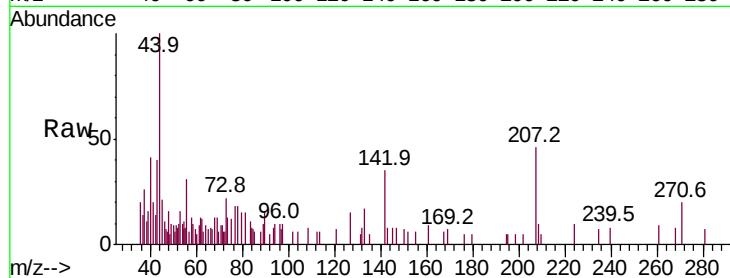




#10
Methvl Iodide
Concen: 5.418 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018071.D
Acq: 26 Aug 2020 12:53

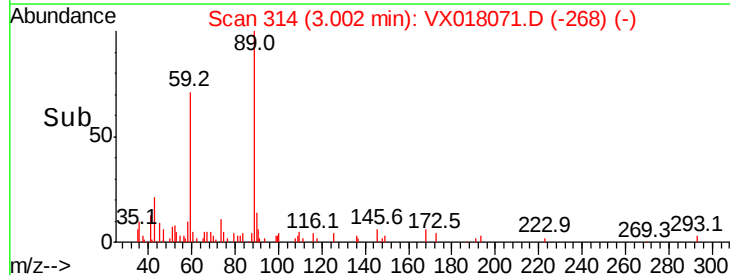
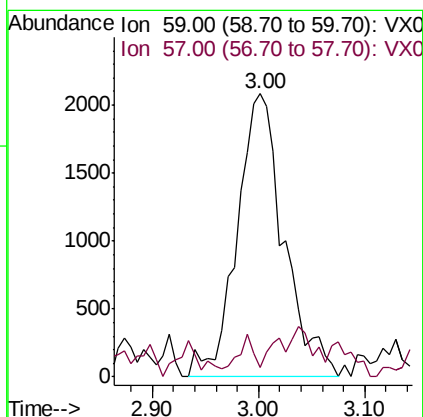
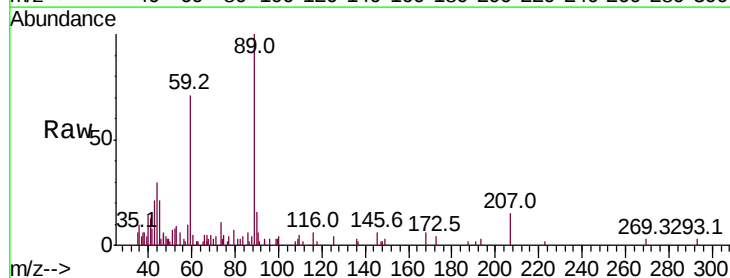
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#02

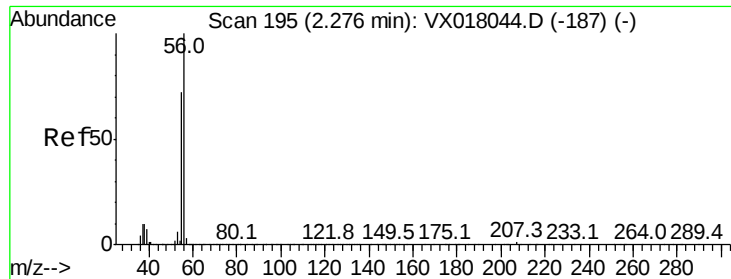
Tot Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 71.9 37.0 55.6#
141 9.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 5.162 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018071.D
Acq: 26 Aug 2020 12:53

Tgt Ion: 59 Resp: 6422
Ion Ratio Lower Upper
59 100
57 3.3 8.9 13.3#





#13

Acrolein

Concen: 1.148 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

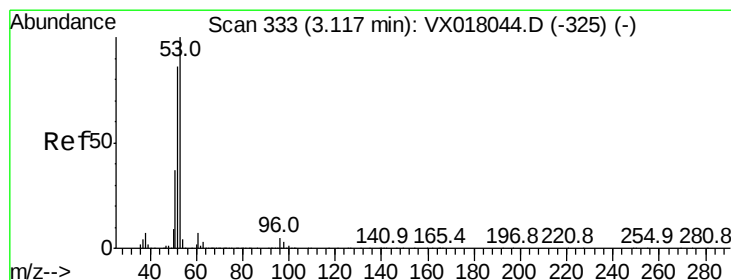
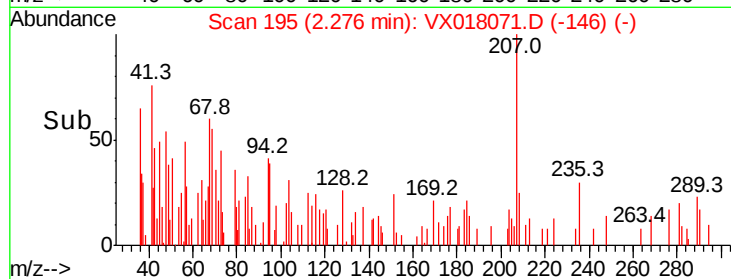
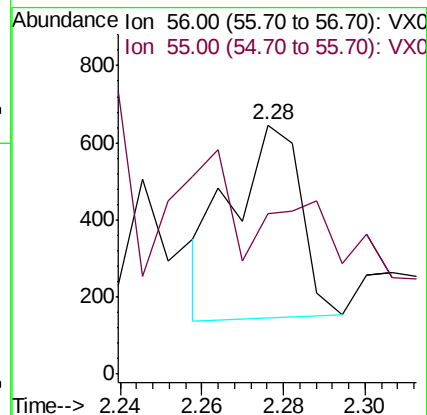
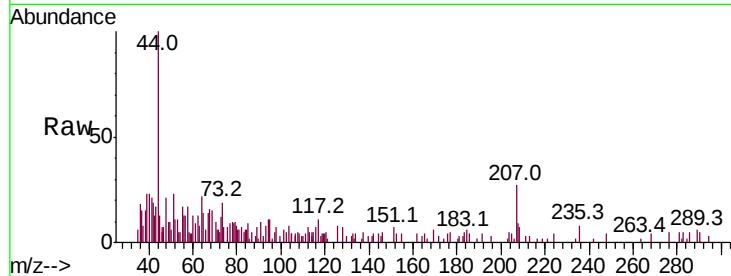
PB131195ZHE#02

Tot Ion: 56 Resp: 592

Ion Ratio Lower Upper

56 100

55 31.6 57.0 85.6#



#15

Acrylonitrile

Concen: 0.209 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

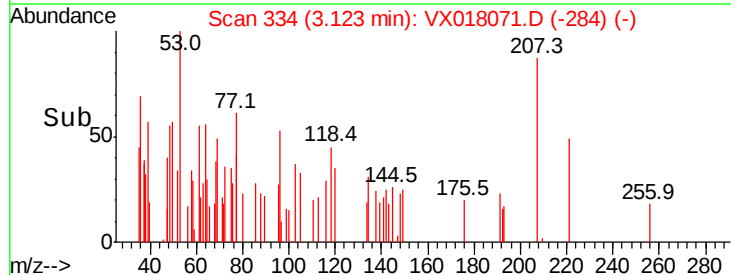
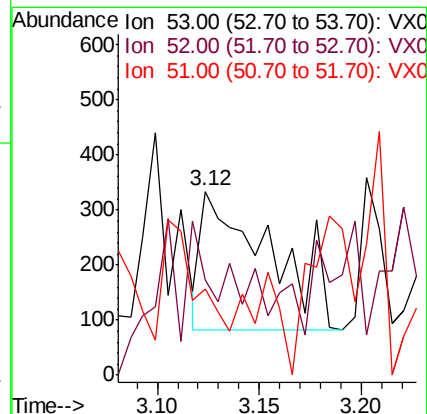
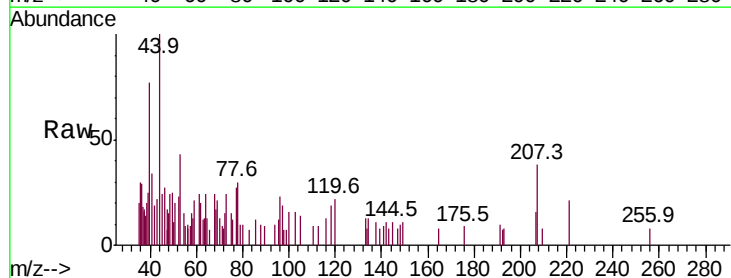
Tgt Ion: 53 Resp: 591

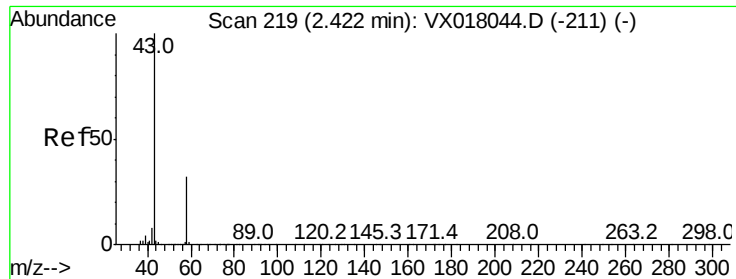
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 28.7 43.1#





#16

Acetone

Concen: 24.444 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

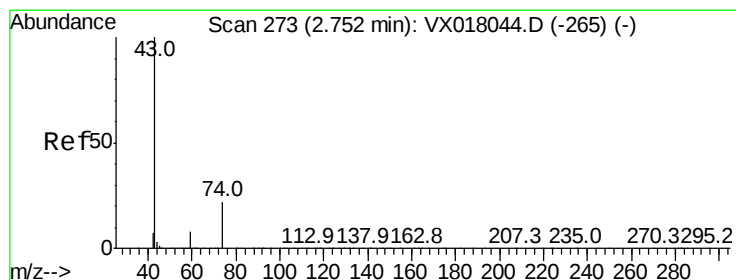
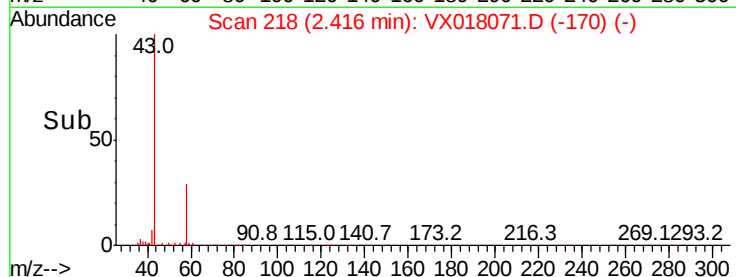
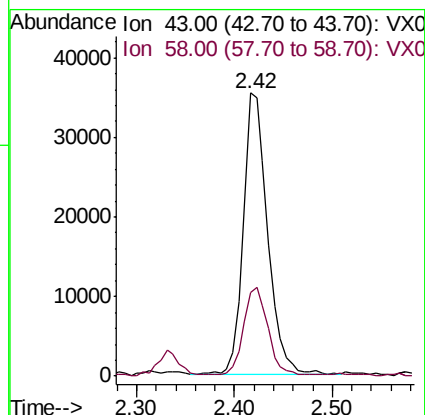
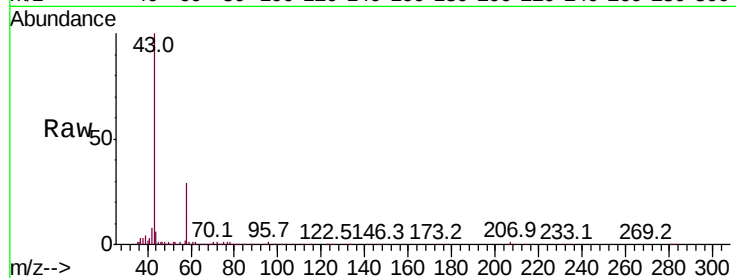
PB131195ZHE#02

Tot Ion: 43 Resp: 60938

Ion Ratio Lower Upper

43 100

58 28.6 25.5 38.3



#18

Methyl Acetate

Concen: 1.179 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018071.D

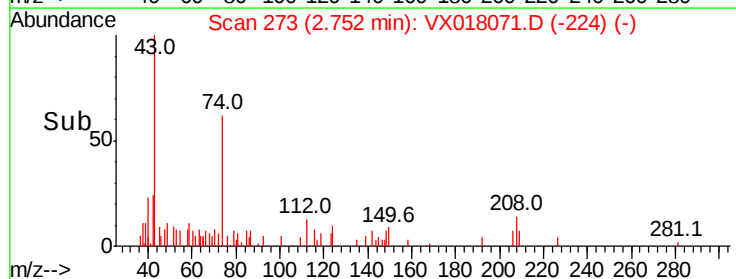
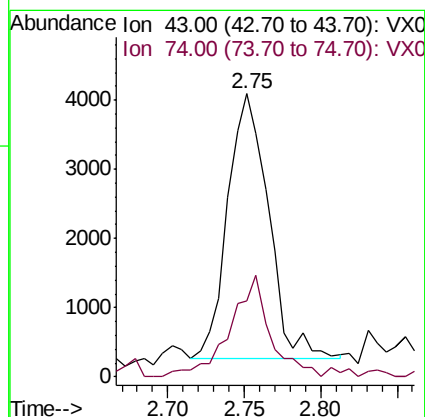
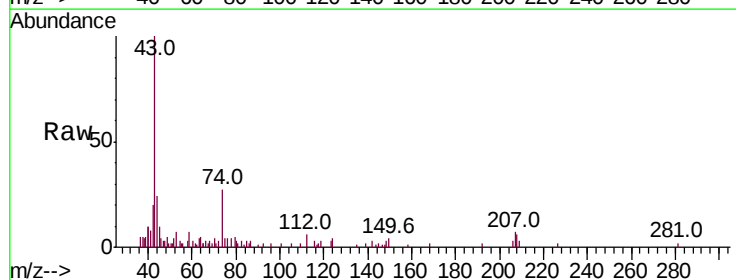
Acq: 26 Aug 2020 12:53

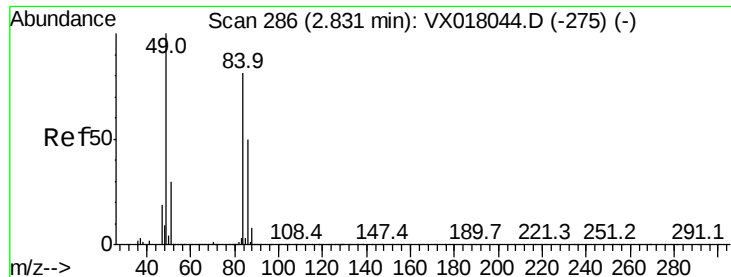
Tgt Ion: 43 Resp: 7093

Ion Ratio Lower Upper

43 100

74 37.6 18.2 27.4#

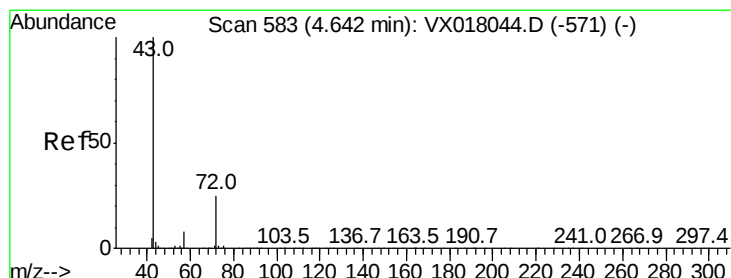
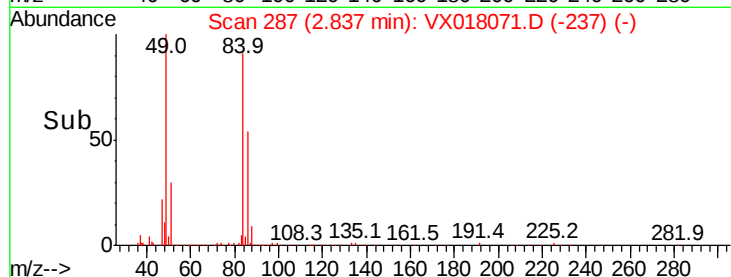
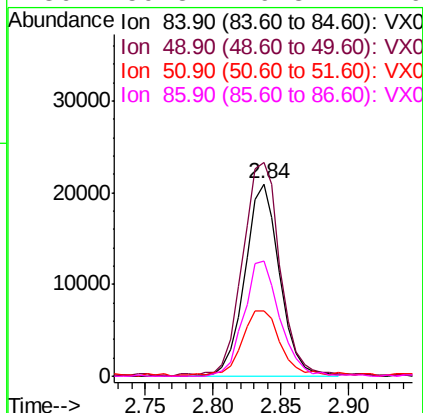
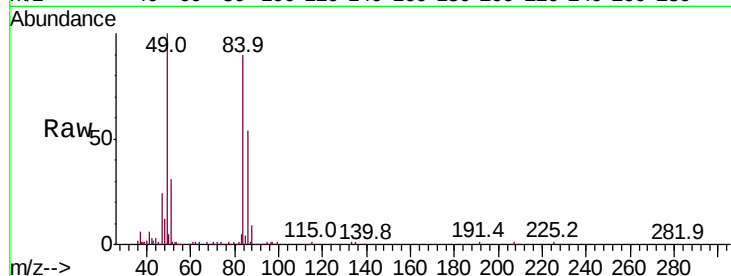




#20
Methvlene Chloride
Concen: 6.339 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018071.D
Acq: 26 Aug 2020 12:53

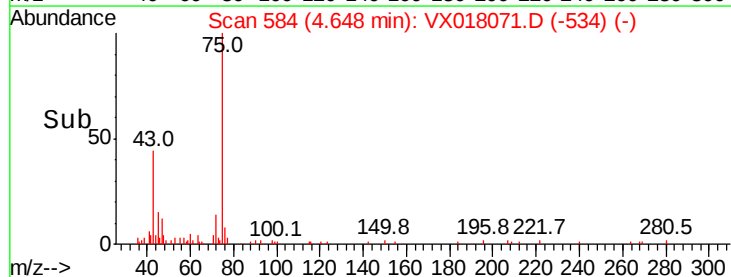
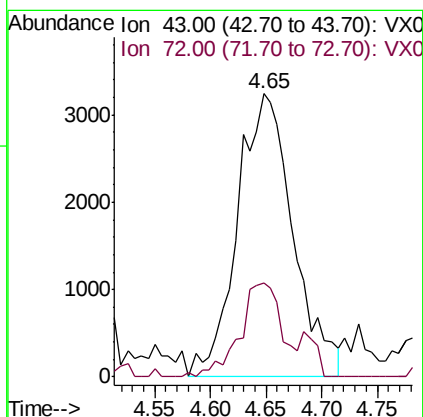
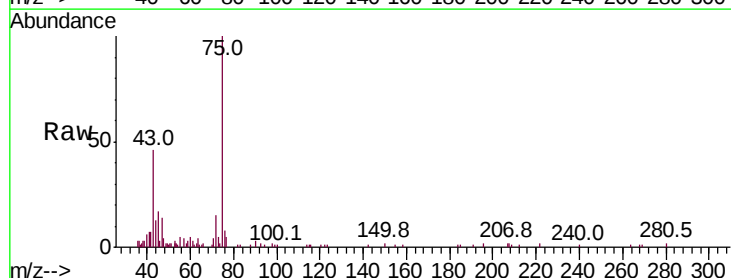
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#02

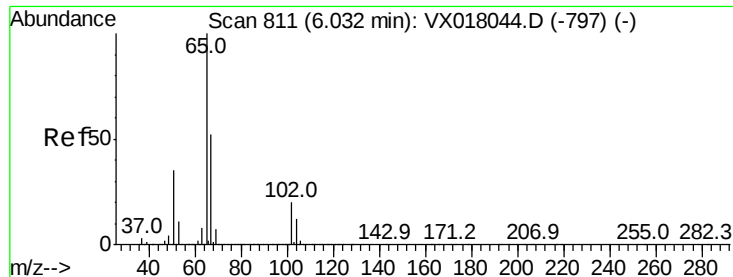
Tot Ion:	84	Resp:	37509
Ion	Ratio	Lower	Upper
84	100		
49	109.7	98.6	148.0
51	33.4	29.6	44.4
86	59.8	49.8	74.6



#25
2-Butanone
Concen: 2.758 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018071.D
Acq: 26 Aug 2020 12:53

Tgt Ion:	43	Resp:	11298
Ion	Ratio	Lower	Upper
43	100		
72	33.0	19.8	29.6#





#33

1,2-Dichloroethane-d4

Concen: 50.044 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

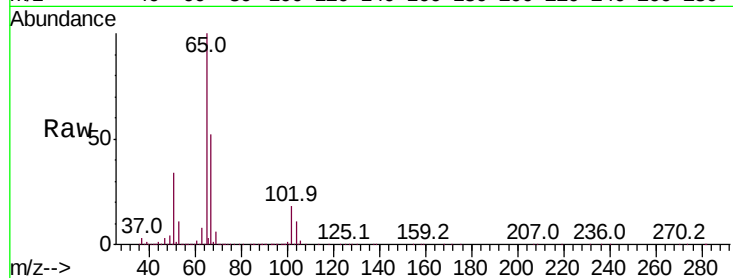
PB131195ZHE#02

Tot Ion: 65 Resp: 320173

Ion Ratio Lower Upper

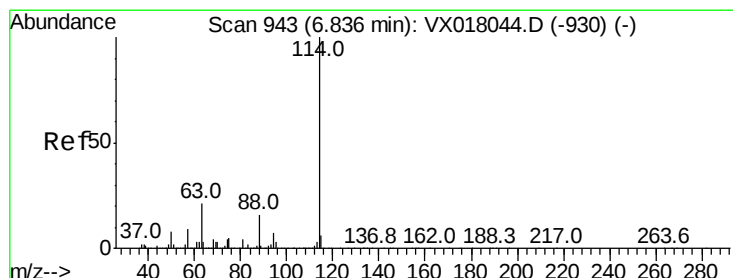
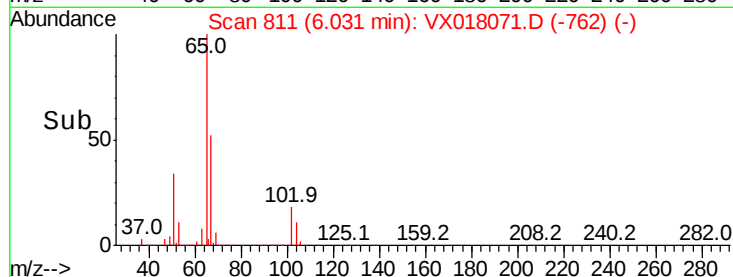
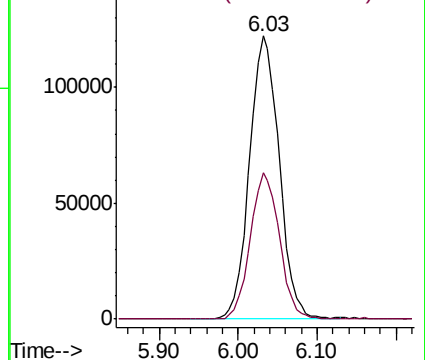
65 100

67 50.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

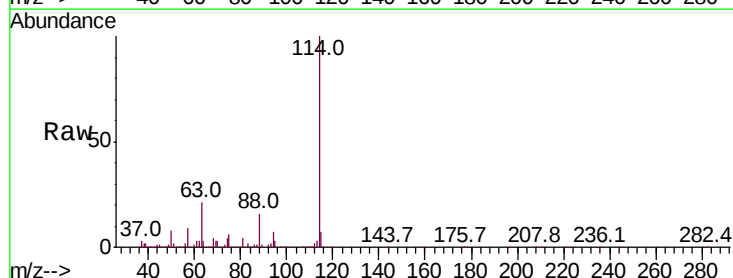
Tgt Ion: 114 Resp: 717144

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

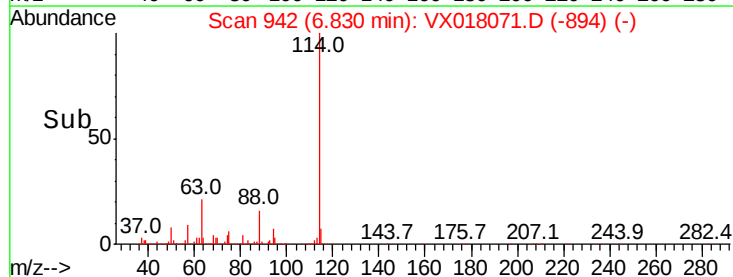
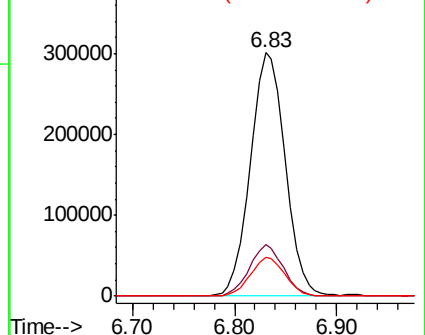
88 16.0 0.0 31.8

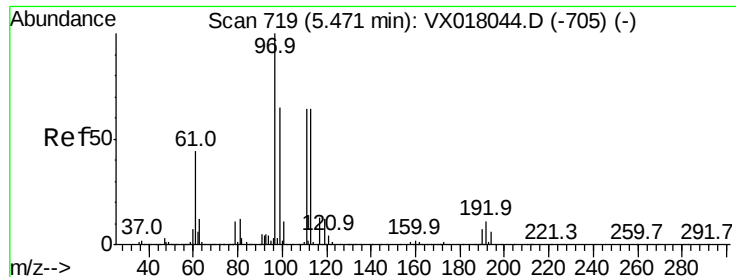


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.065 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

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PB131195ZHE#02

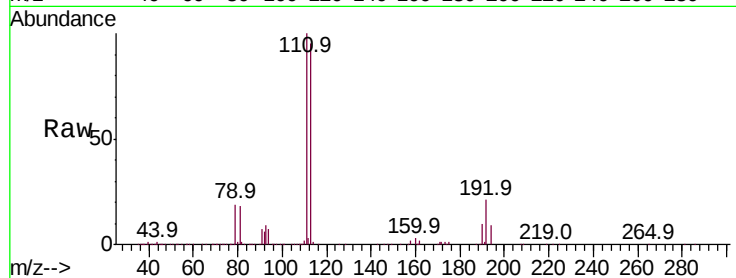
Tot Ion:113 Resp: 254290

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

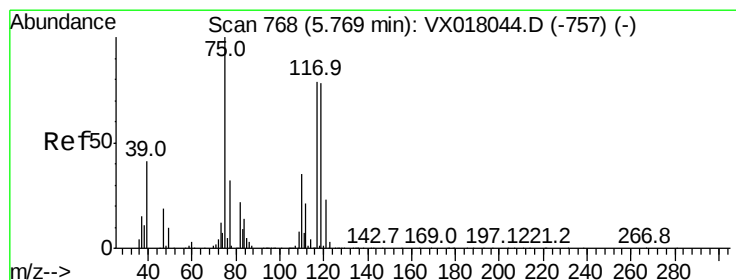
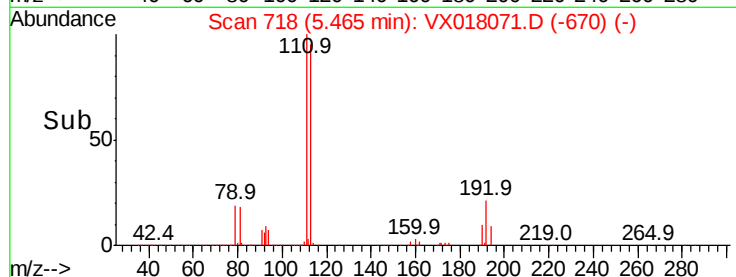
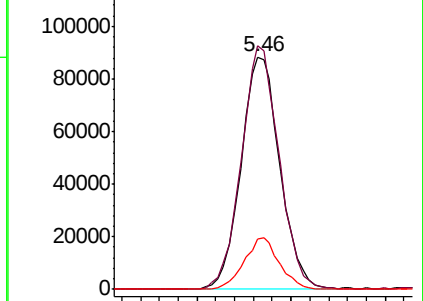
192 20.4 15.8 23.8



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: 5.516 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

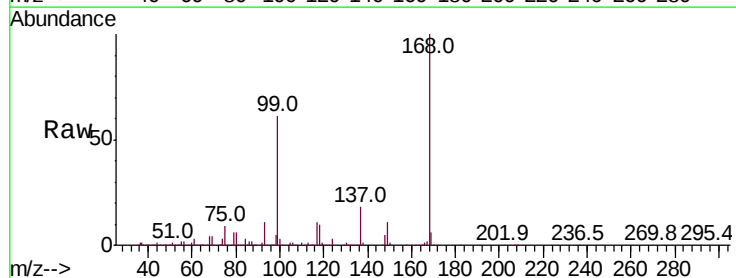
Tgt Ion: 75 Resp: 36487

Ion Ratio Lower Upper

75 100

110 11.5 18.0 54.0#

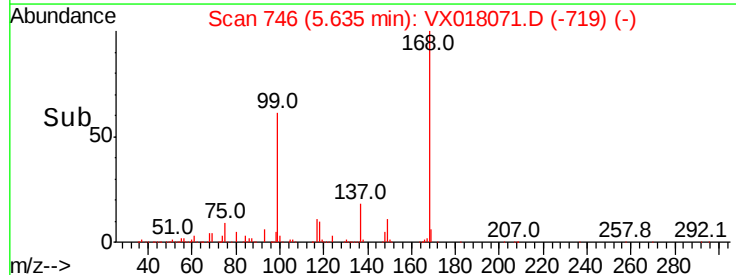
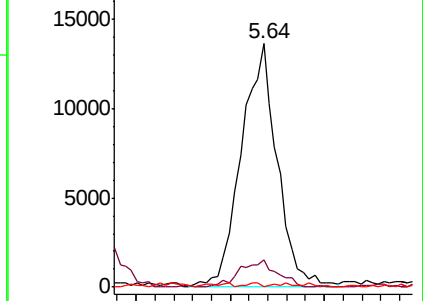
77 0.6 24.4 36.6#

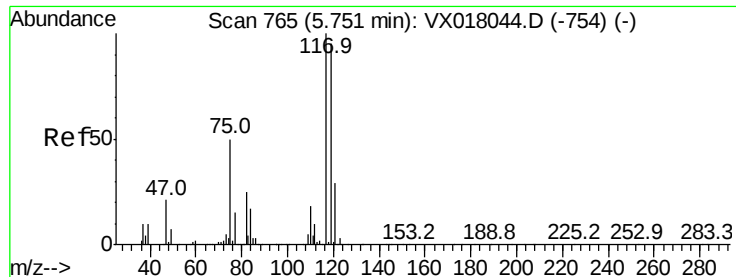


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.609 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#02

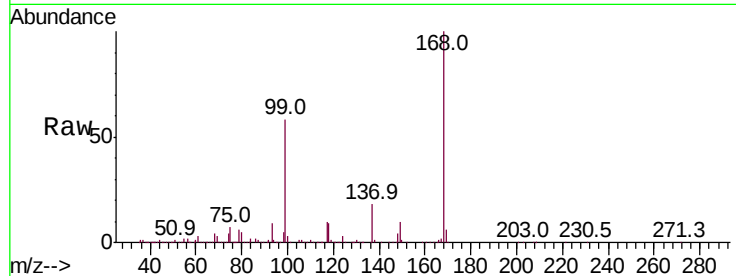
Tot Ion:117 Resp: 49268

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

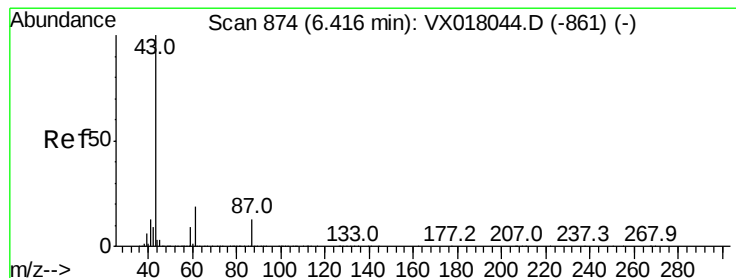
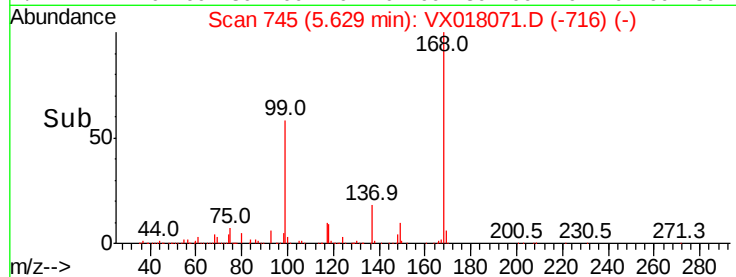
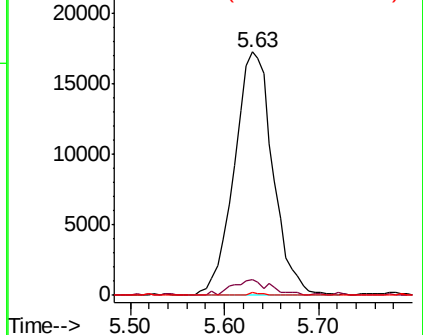
121 1.0 23.4 35.0#



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: 9.875 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

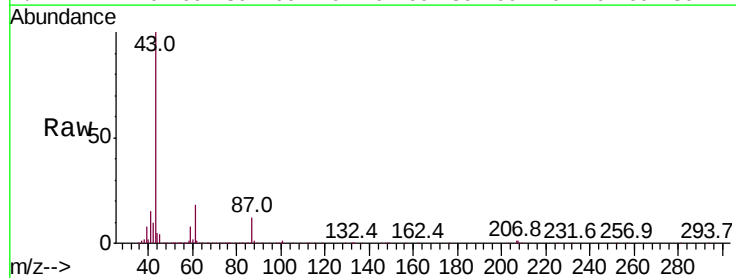
Tgt Ion: 43 Resp: 122528

Ion Ratio Lower Upper

43 100

61 20.5 15.7 23.5

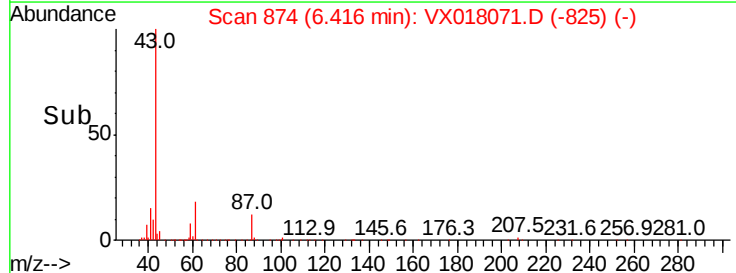
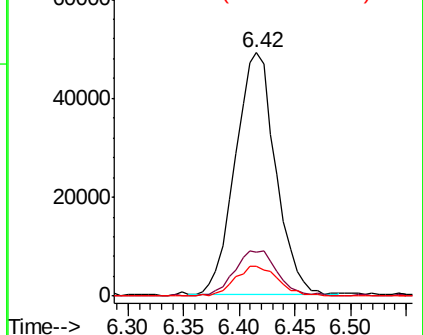
87 13.5 10.3 15.5

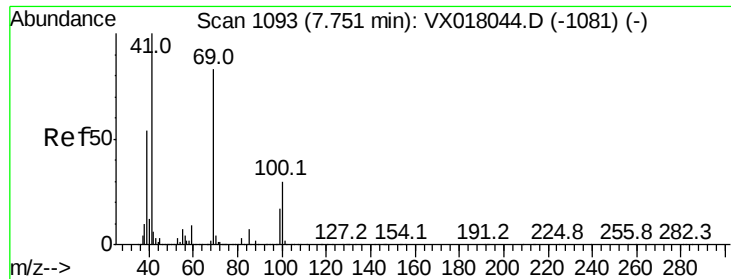


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 32.383 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#02

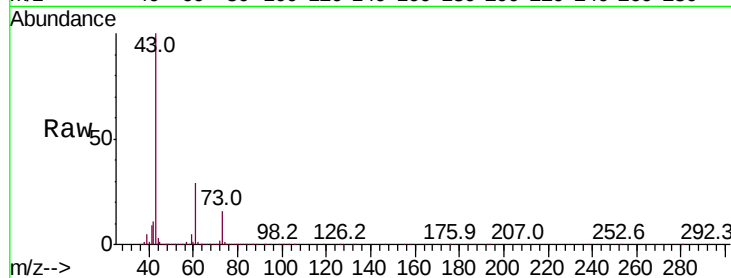
Tot Ion: 41 Resp: 200030

Ion Ratio Lower Upper

41 100

69 0.2 65.5 98.3#

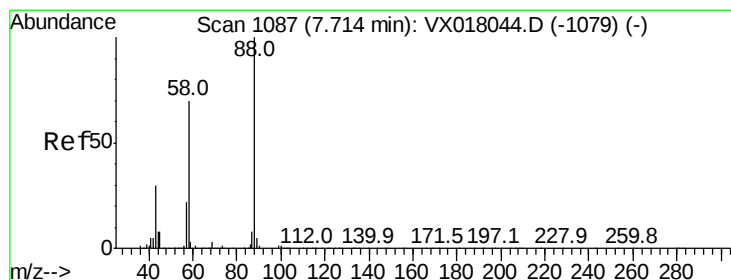
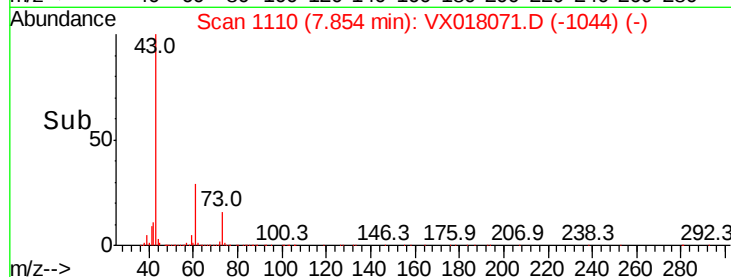
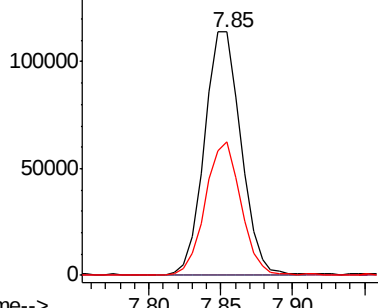
39 53.7 44.5 66.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 3.057 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

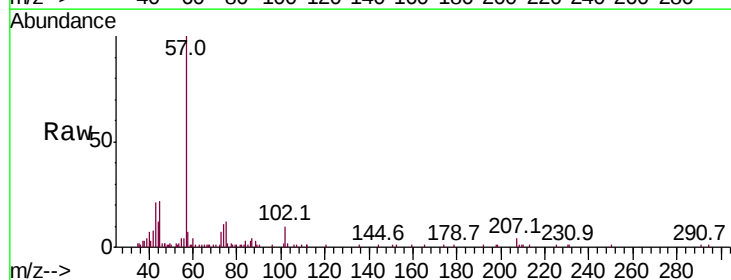
Tgt Ion: 88 Resp: 342

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

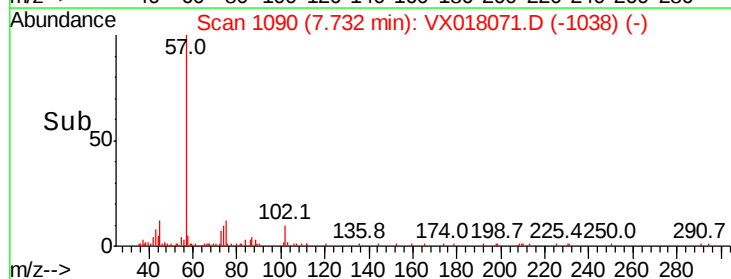
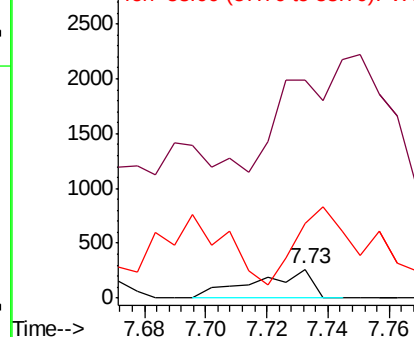
58 432.5 56.4 84.6#

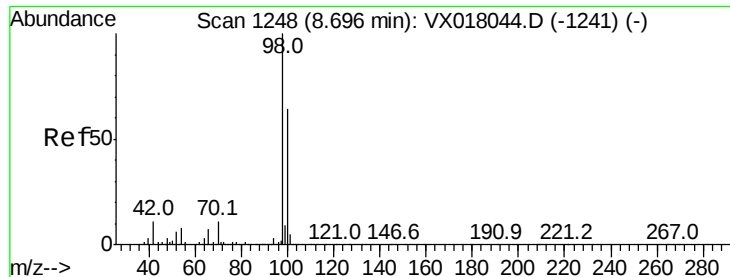


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.607 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

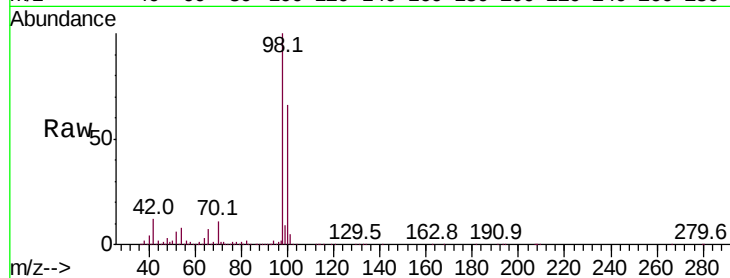
PB131195ZHE#02

Tot Ion: 98 Resp: 884216

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

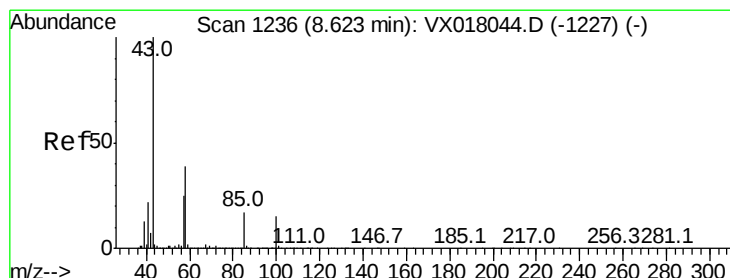
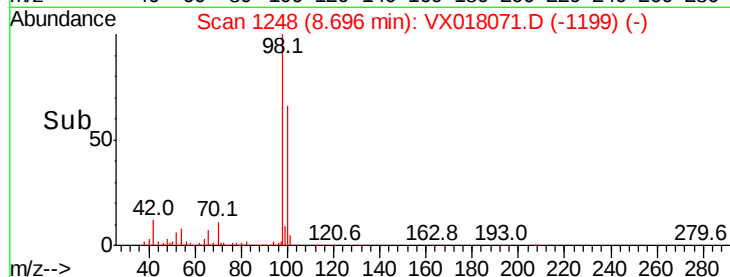
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 16.097 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018071.D

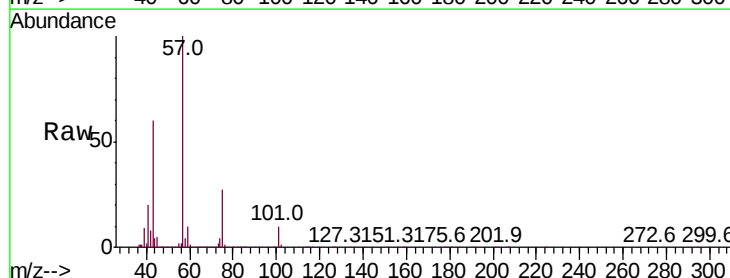
Acq: 26 Aug 2020 12:53

Tgt Ion: 43 Resp: 123380

Ion Ratio Lower Upper

43 100

58 10.6 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

80000

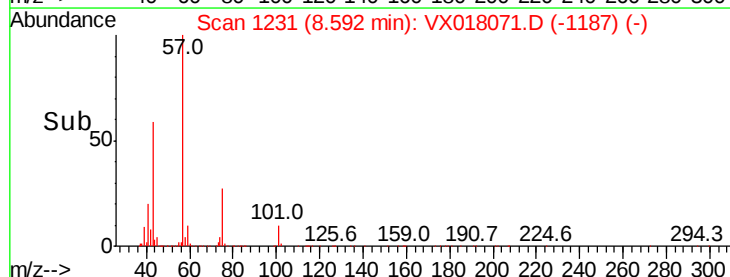
60000

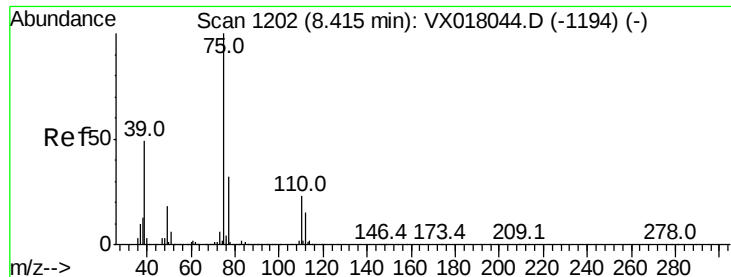
40000

20000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.672 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#02

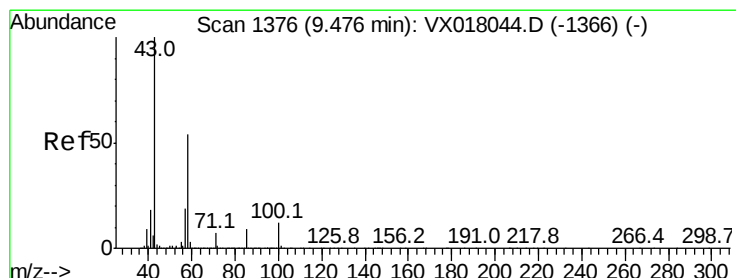
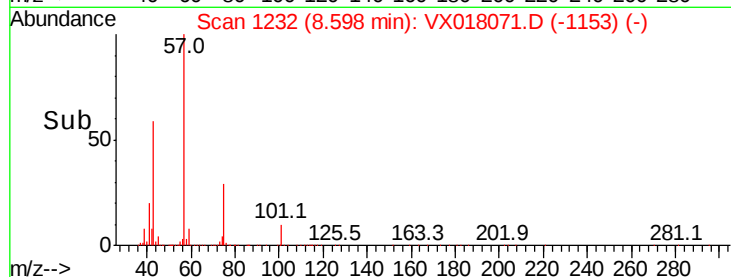
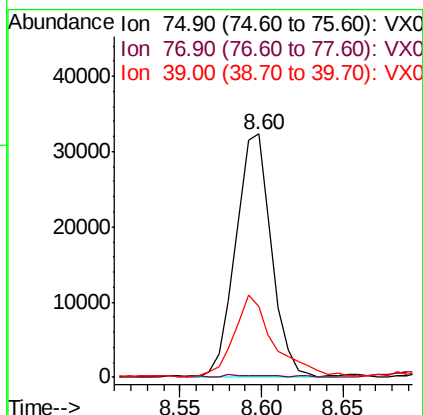
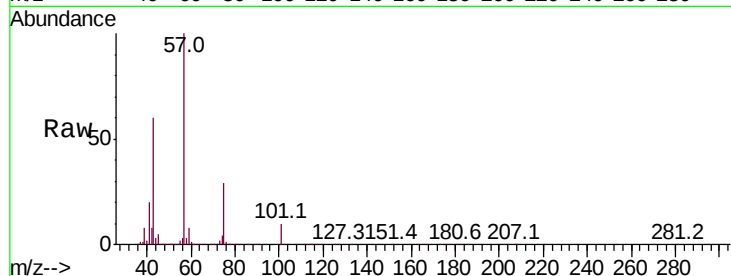
Tot Ion: 75 Resp: 48982

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#

39 29.1 38.8 58.2#



#59

2-Hexanone

Concen: 19.025 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX018071.D

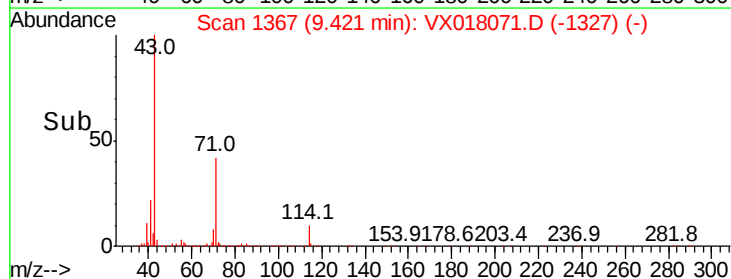
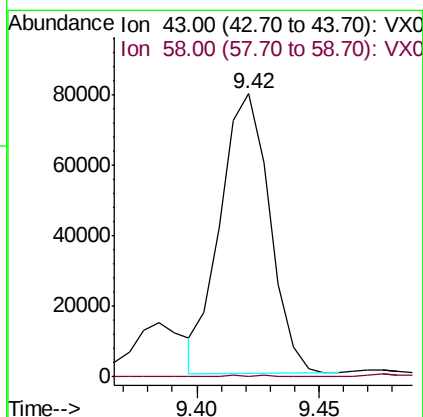
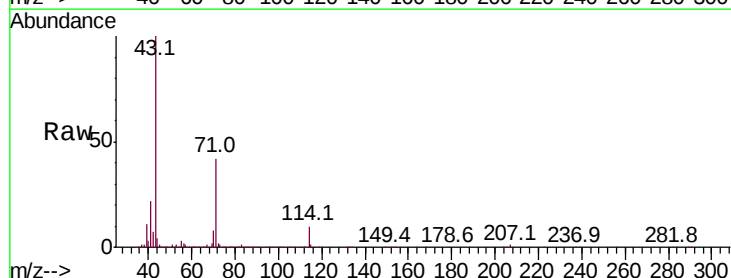
Acq: 26 Aug 2020 12:53

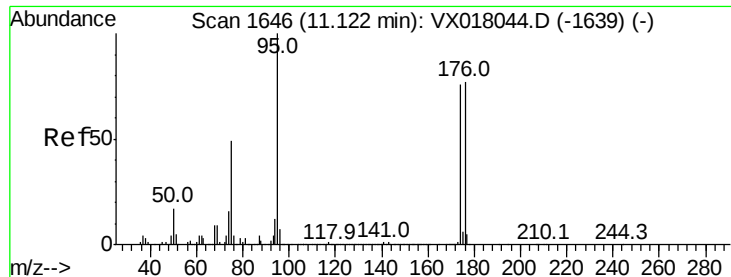
Tgt Ion: 43 Resp: 110882

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 44.410 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#02

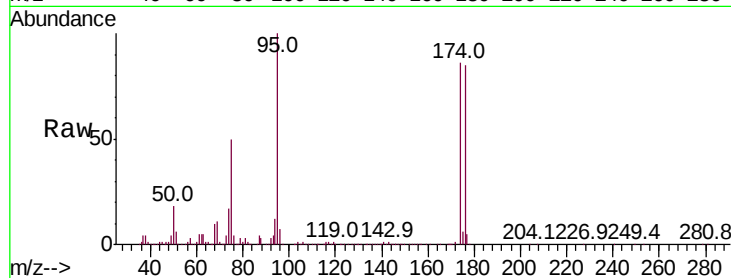
Tot Ion: 95 Resp: 317844

Ion Ratio Lower Upper

95 100

174 82.4 0.0 160.2

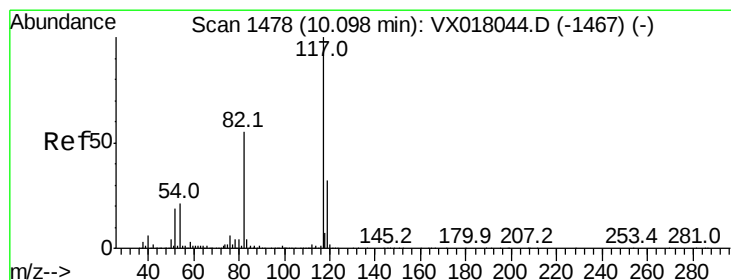
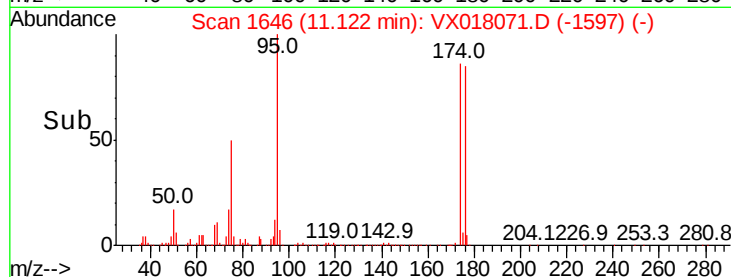
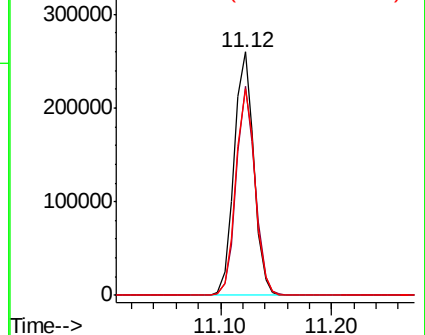
176 83.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

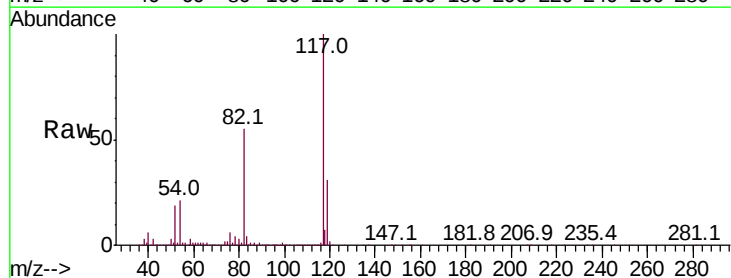
Tgt Ion: 117 Resp: 695075

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.2

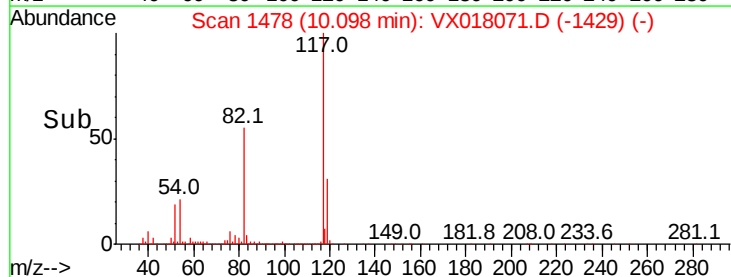
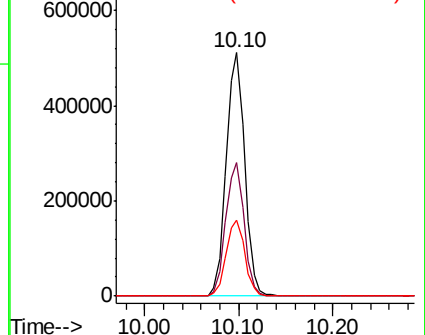
119 31.1 25.7 38.5

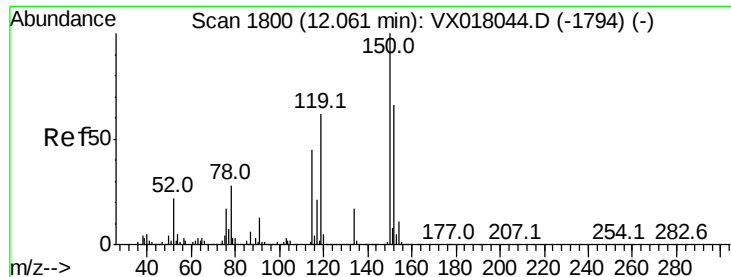


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#02

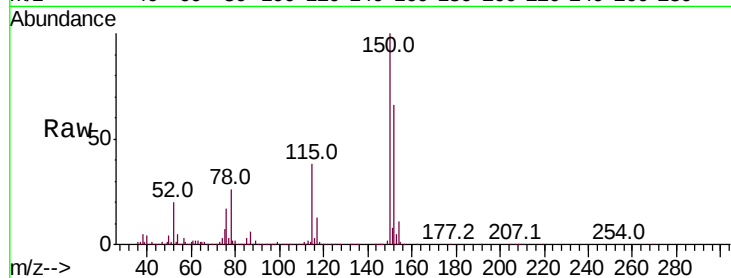
Tot Ion:152 Resp: 330590

Ion Ratio Lower Upper

152 100

115 57.1 41.5 124.5

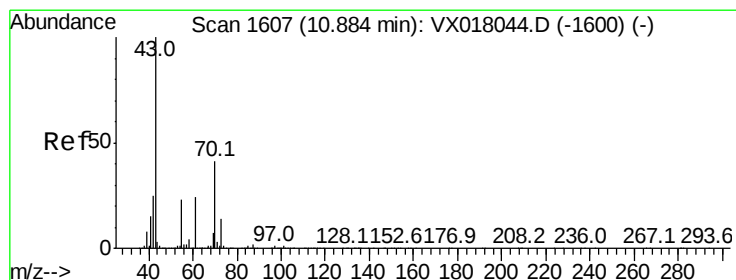
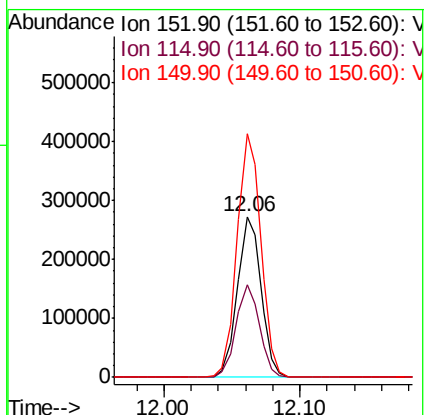
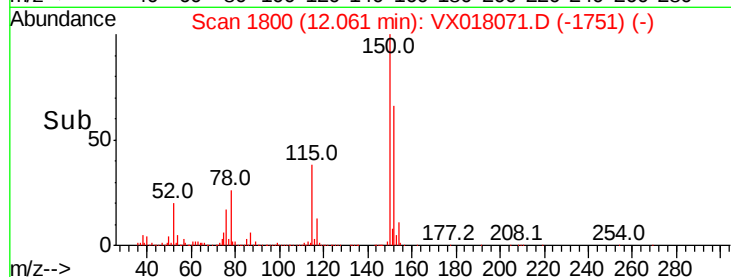
150 152.8 0.0 343.8



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: 0.531 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Tgt Ion: 43 Resp: 5491

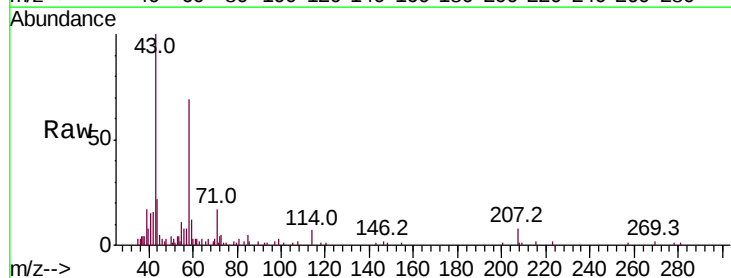
Ion Ratio Lower Upper

43 100

70 1.7 32.3 48.5#

55 13.5 18.2 27.2#

61 0.0 18.9 28.3#

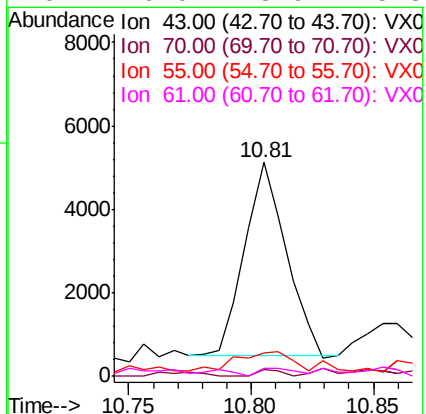
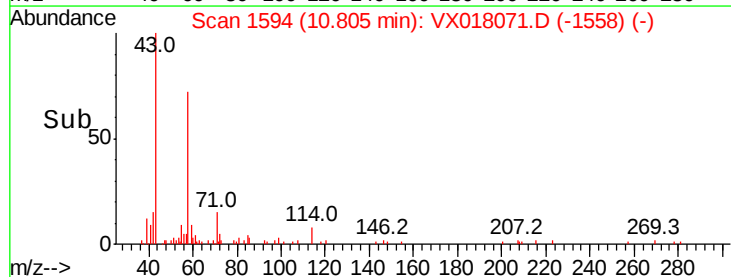


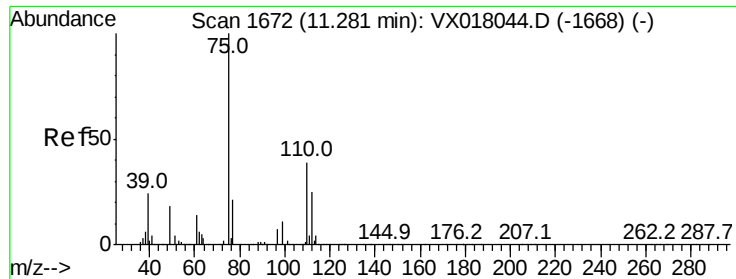
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.596 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

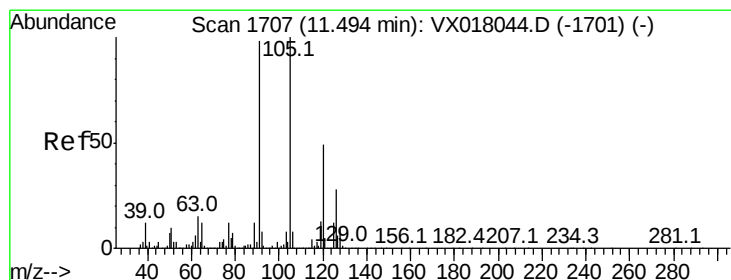
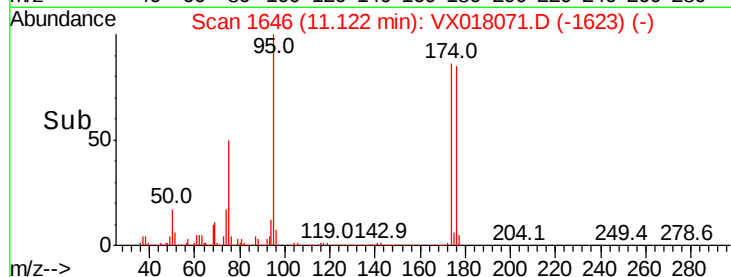
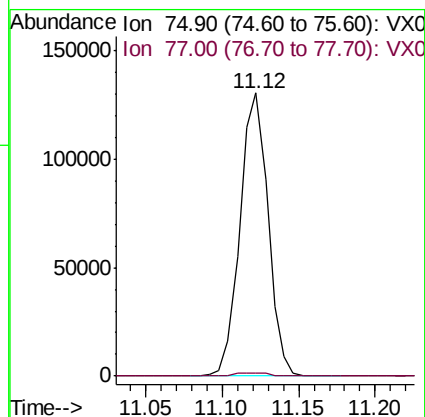
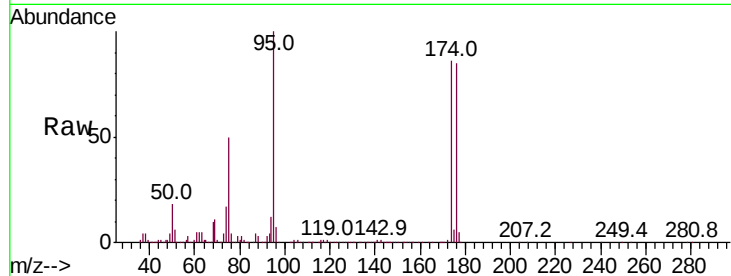
PB131195ZHE#02

Tot Ion: 75 Resp: 166174

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.609 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018071.D

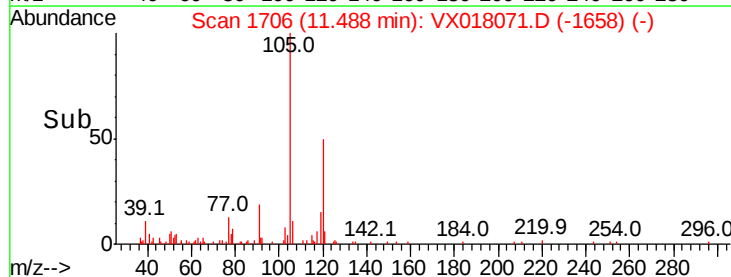
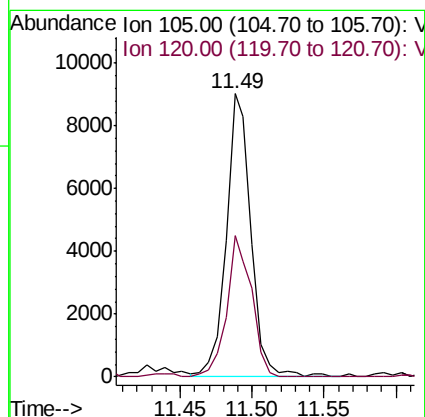
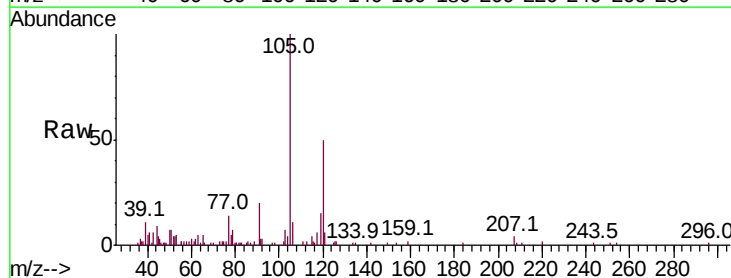
Acq: 26 Aug 2020 12:53

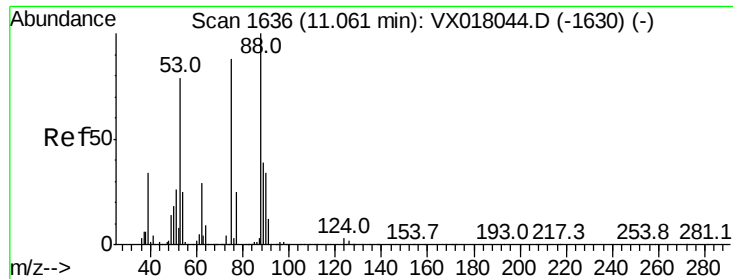
Tgt Ion: 105 Resp: 10917

Ion Ratio Lower Upper

105 100

120 49.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 61.028 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018071.D

Acq: 26 Aug 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#02

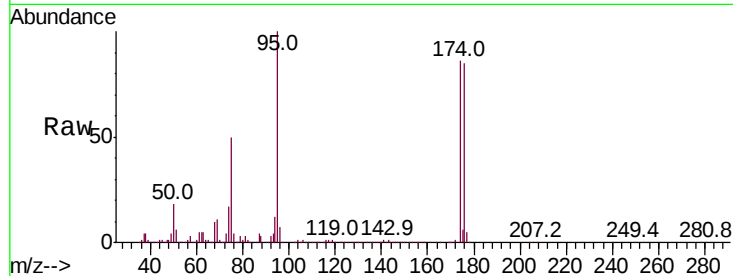
Tot Ion: 75 Resp: 166174

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.0 36.6 54.8#



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

