

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018416.D
 Acq On : 15 Sep 2020 18:47
 Operator : JC/SP
 Sample : PB131607ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#07

Quant Time: Sep 16 03:38:47 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	420203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	694563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	691902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	328269	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	308830	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
35) Dibromofluoromethane	5.47	113	241064	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	8.70	98	874057	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.12	95	332307	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

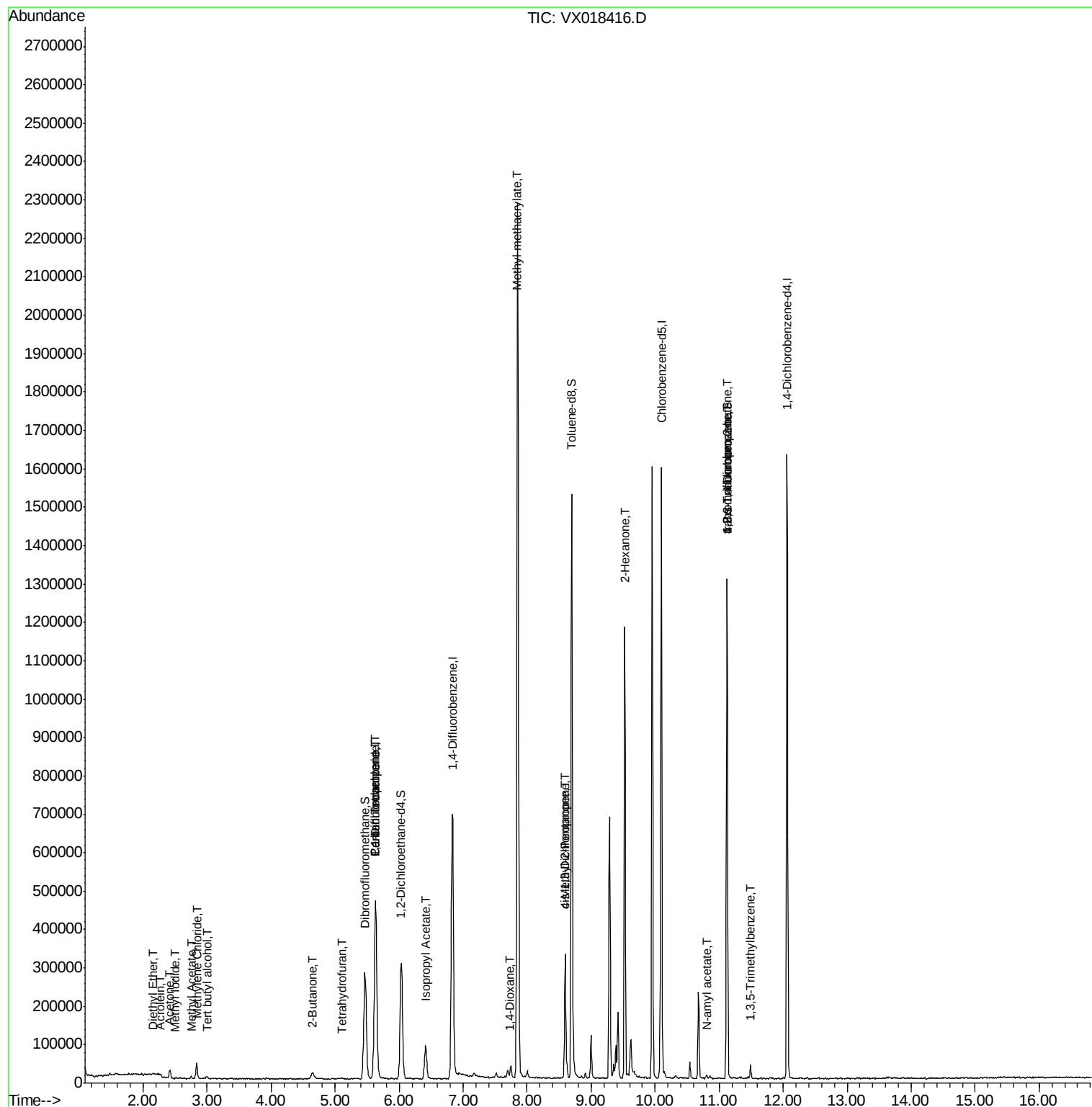
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.15	74	612	0.246	ug/l	89
10) Methyl Iodide	2.50	142	252	5.340	ug/l #	54
11) Tert butyl alcohol	3.00	59	4149	3.658	ug/l #	71
13) Acrolein	2.27	56	106	0.225	ug/l #	1
16) Acetone	2.42	43	22834	10.045	ug/l	91
18) Methyl Acetate	2.75	43	7131	1.300	ug/l #	70
20) Methylene Chloride	2.84	84	17445	2.647	ug/l	94
25) 2-Butanone	4.65	43	7347	1.967	ug/l #	78
29) Tetrahydrofuran	5.10	42	3765	1.583	ug/l #	67
36) 1,1-Dichloropropene	5.63	75	32866	5.130	ug/l #	42
38) Carbon Tetrachloride	5.64	117	45423	6.292	ug/l #	18
43) Isopropyl Acetate	6.42	43	117049	9.740	ug/l	99
48) Methyl methacrylate	7.85	41	203233	33.971	ug/l #	44
49) 1,4-Dioxane	7.72	88	117	1.080	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	120550	16.239	ug/l #	54
54) cis-1,3-Dichloropropene	8.59	75	50209	6.003	ug/l #	62
59) 2-Hexanone	9.52	43	129853	23.004	ug/l #	53
74) N-amyl acetate	10.80	43	5465	0.532	ug/l #	62
76) 1,2,3-Trichloropropane	11.12	75	166734	22.833	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	15214	0.855	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	166734	61.667	ug/l #	12

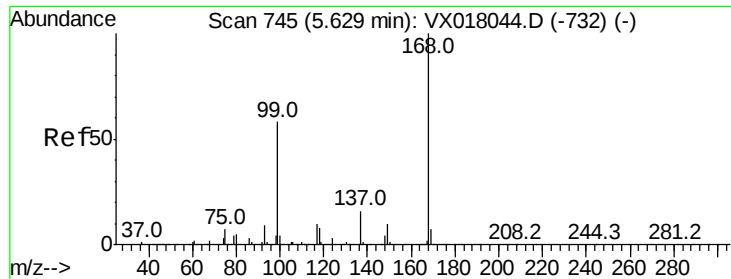
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

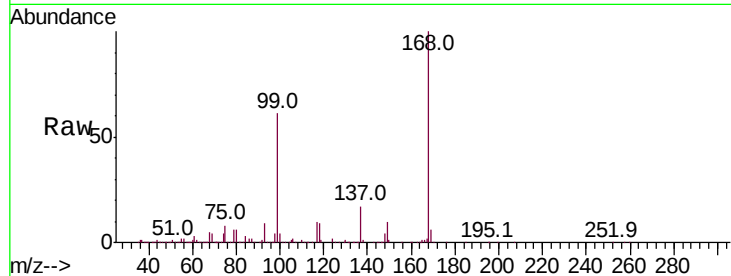
PB131607ZHE#07

Tot Ion:168 Resp: 420203

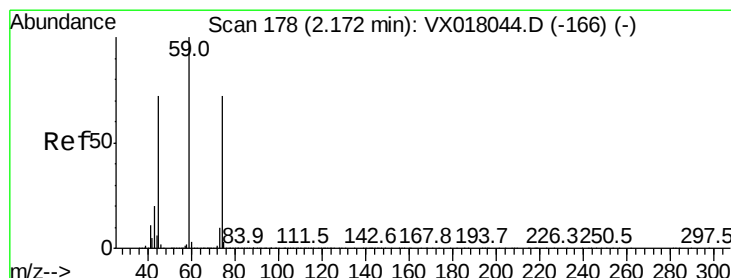
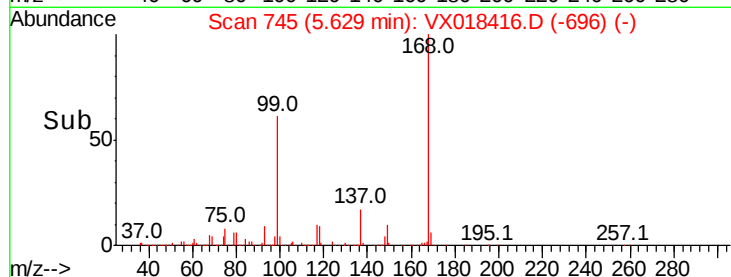
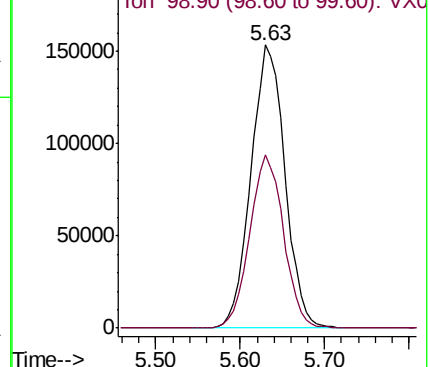
Ion Ratio Lower Upper

168 100

99 61.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V



#8

Diethyl Ether

Concen: 0.246 ug/l

RT: 2.15 min Scan# 174

Delta R.T. -0.02 min

Lab File: VX018416.D

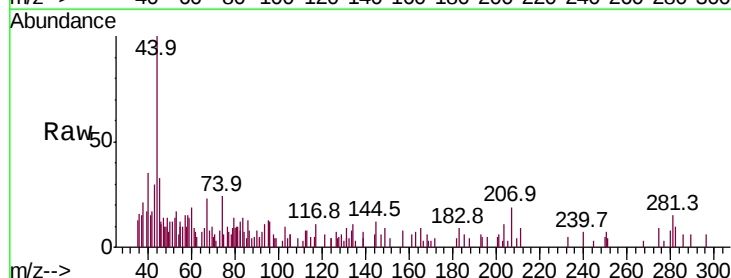
Acq: 15 Sep 2020 18:47

Tgt Ion: 74 Resp: 612

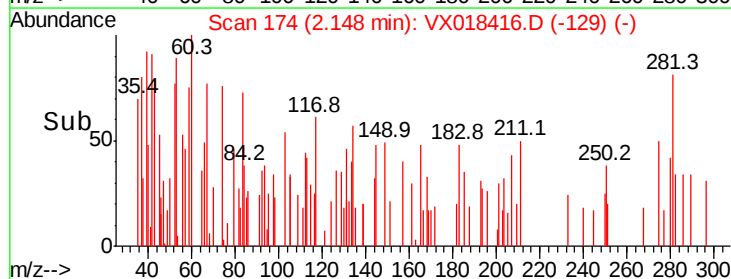
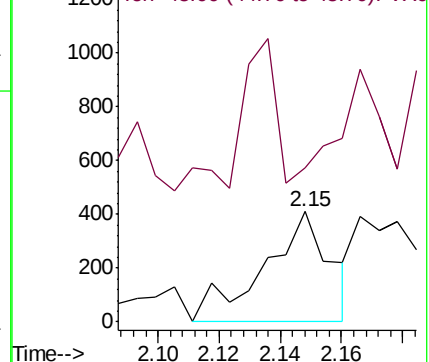
Ion Ratio Lower Upper

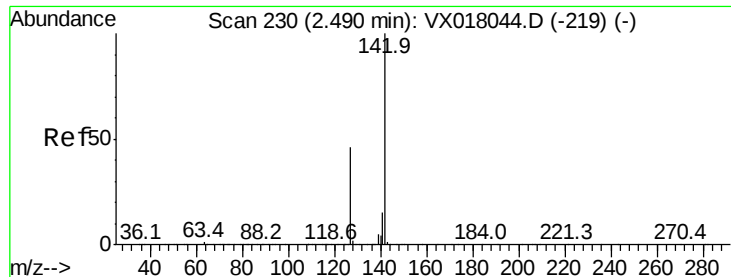
74 100

45 90.4 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

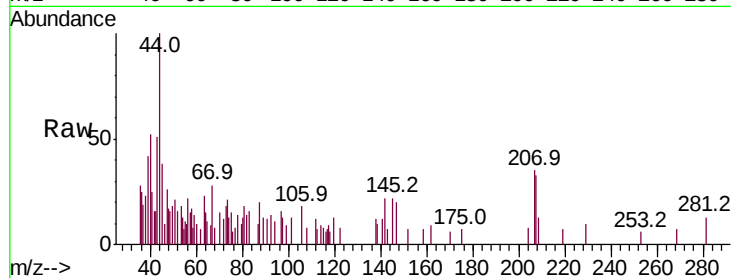




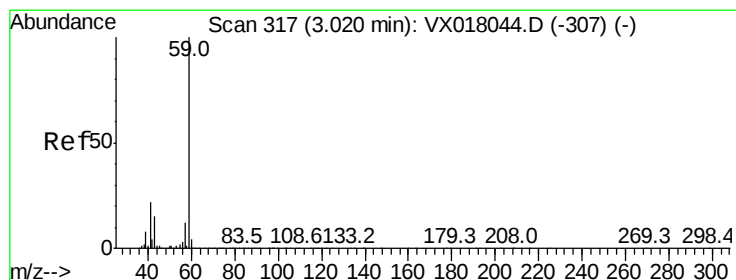
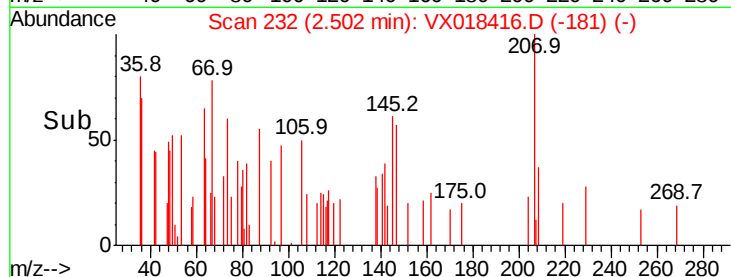
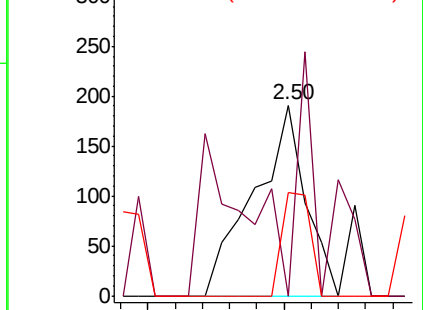
#10
Methvl Iodide
Concen: 5.340 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018416.D
Acq: 15 Sep 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#07

Tot Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 79.0 37.0 55.6#
141 29.8 11.5 17.3#

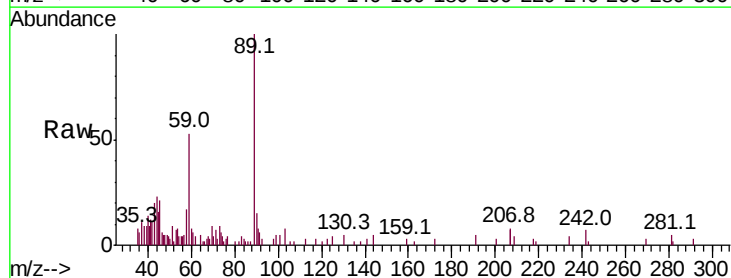


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

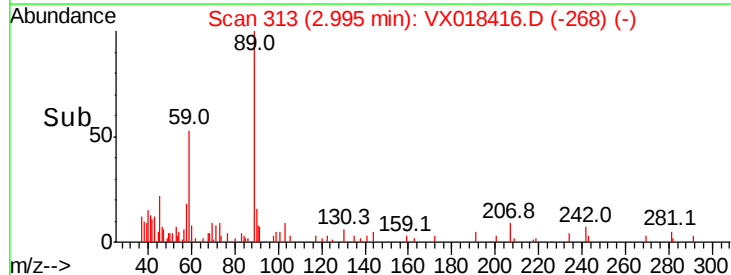
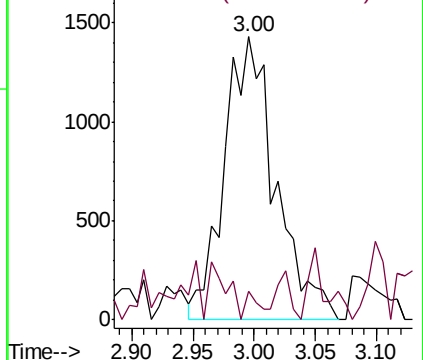


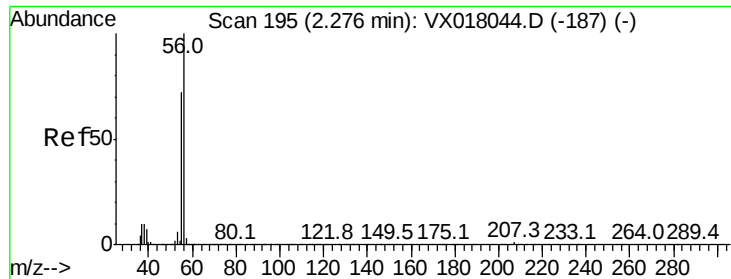
#11
Tert butyl alcohol
Concen: 3.658 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018416.D
Acq: 15 Sep 2020 18:47

Tgt Ion: 59 Resp: 4149
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

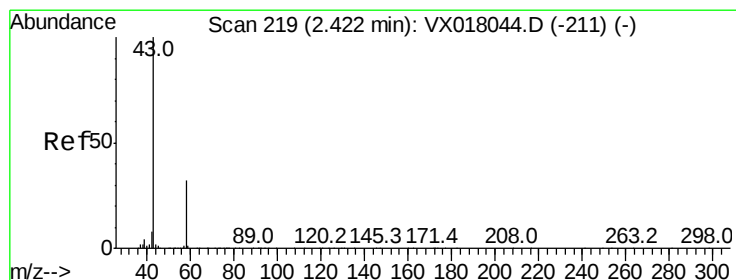
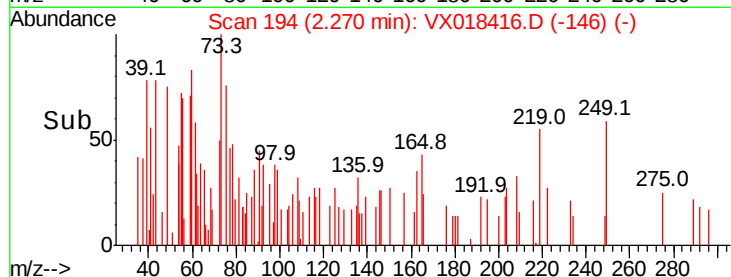
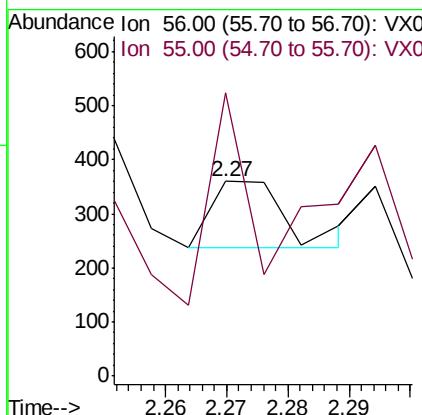
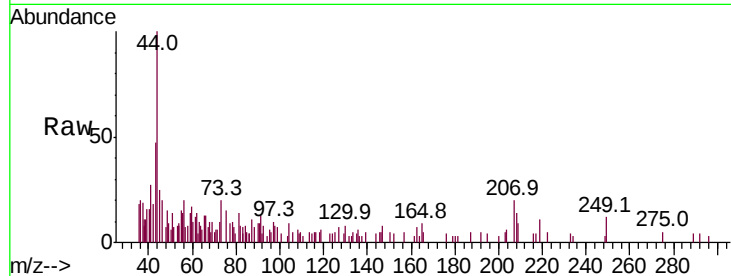




#13
Acrolein
Concen: 0.225 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018416.D
Acq: 15 Sep 2020 18:47

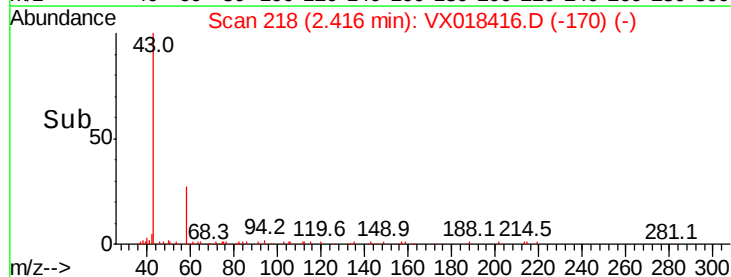
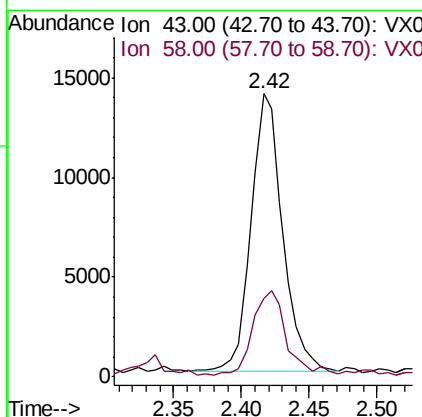
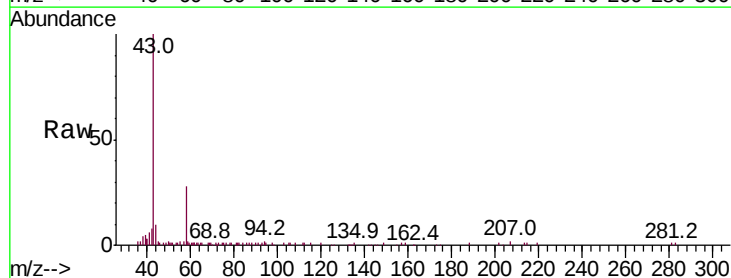
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#07

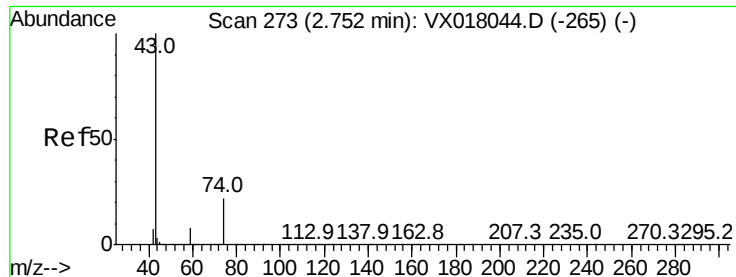
Tot Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 191.5 57.0 85.6#



#16
Acetone
Concen: 10.045 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018416.D
Acq: 15 Sep 2020 18:47

Tgt Ion: 43 Resp: 22834
Ion Ratio Lower Upper
43 100
58 26.7 25.5 38.3

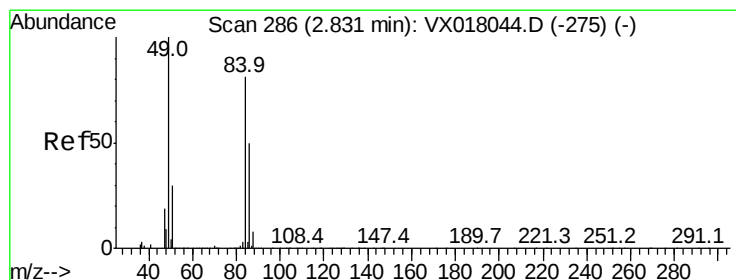
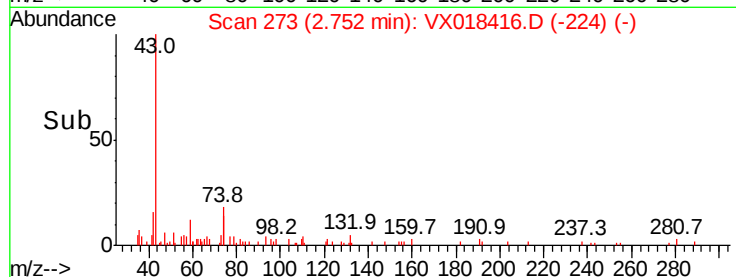
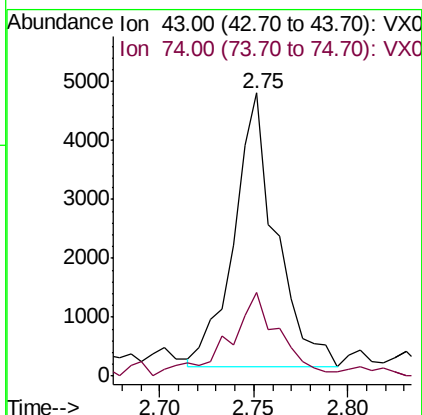
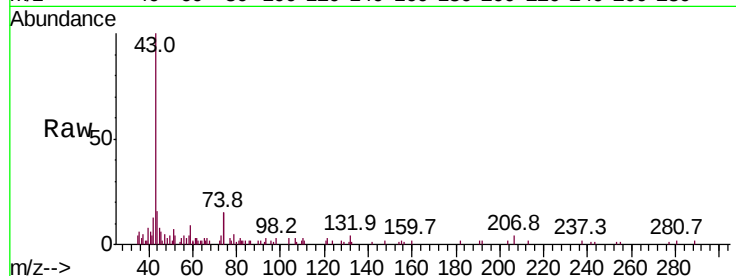




#18
Methvl Acetate
Concen: 1.300 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018416.D
Acq: 15 Sep 2020 18:47

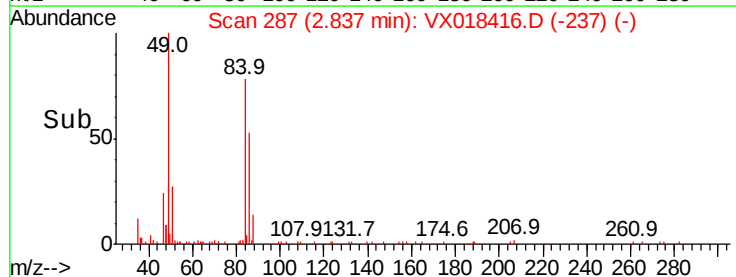
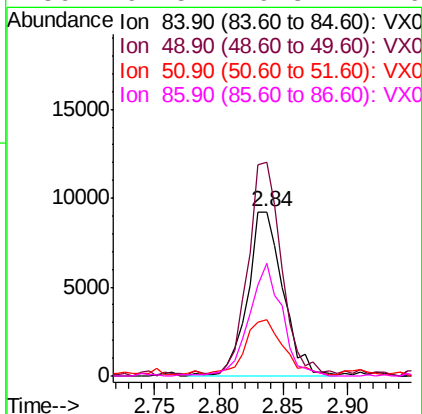
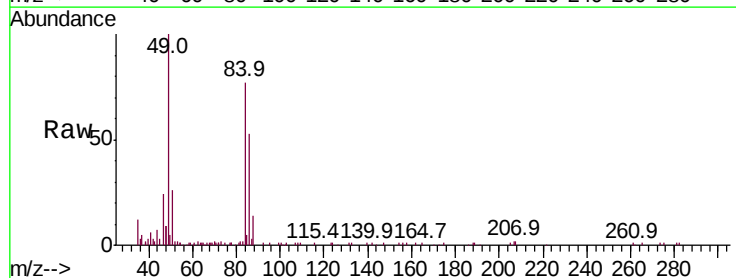
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#07

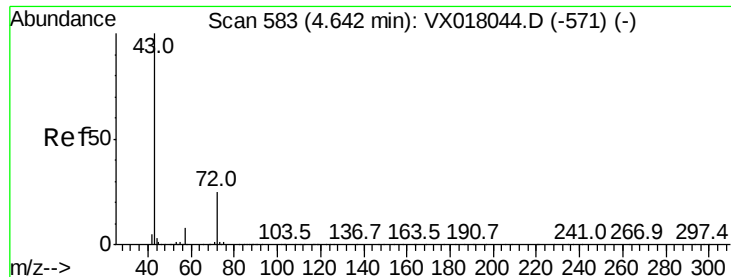
Tot Ion: 43 Resp: 7131
Ion Ratio Lower Upper
43 100
74 37.4 18.2 27.4#



#20
Methylene Chloride
Concen: 2.647 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018416.D
Acq: 15 Sep 2020 18:47

Tgt Ion: 84 Resp: 17445
Ion Ratio Lower Upper
84 100
49 129.1 98.6 148.0
51 33.4 29.6 44.4
86 67.5 49.8 74.6





#25

2-Butanone

Concen: 1.967 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

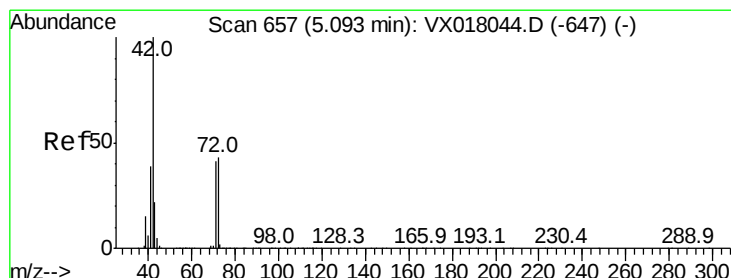
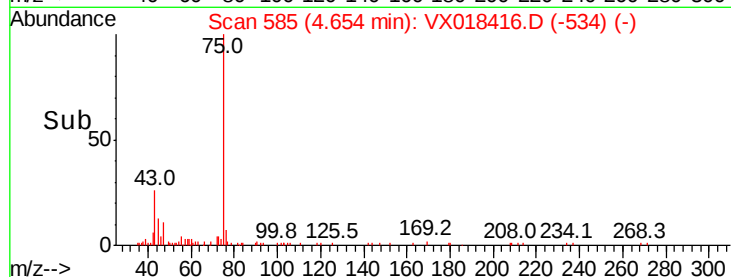
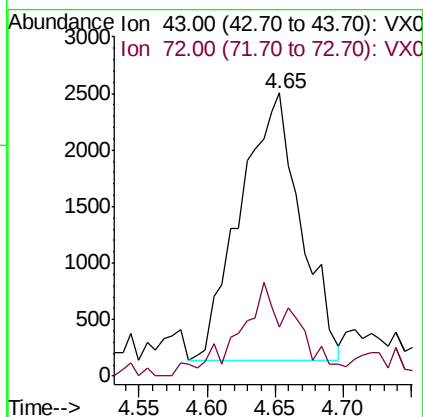
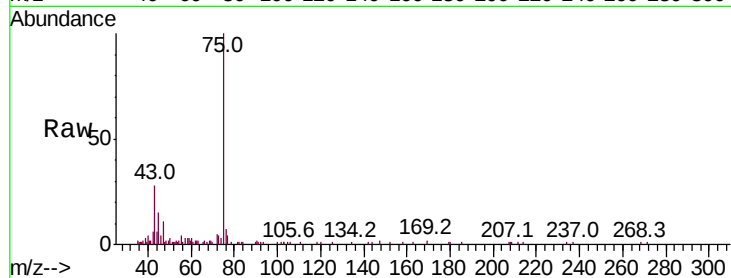
PB131607ZHE#07

Tot Ion: 43 Resp: 7347

Ion Ratio Lower Upper

43 100

72 13.7 19.8 29.6#



#29

Tetrahydrofuran

Concen: 1.583 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

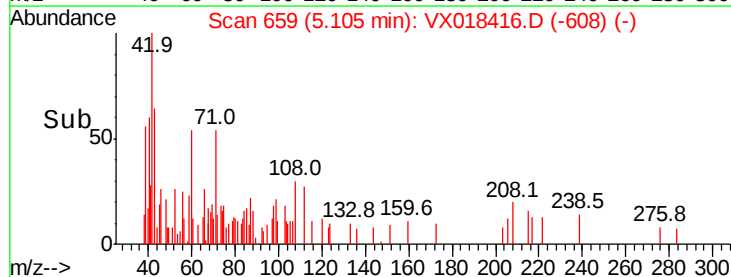
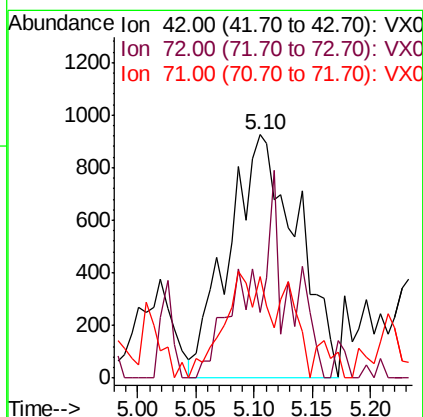
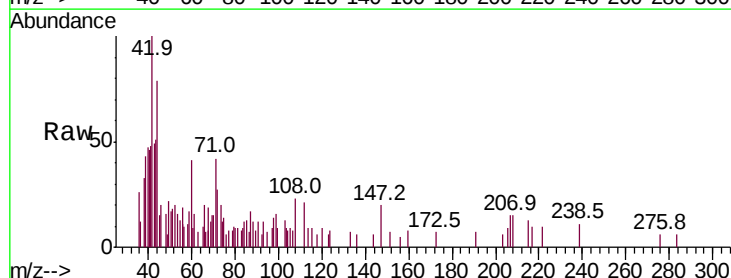
Tgt Ion: 42 Resp: 3765

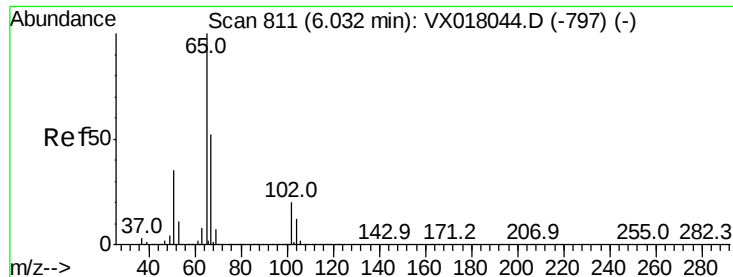
Ion Ratio Lower Upper

42 100

72 14.6 34.2 51.4#

71 26.9 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 52.941 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

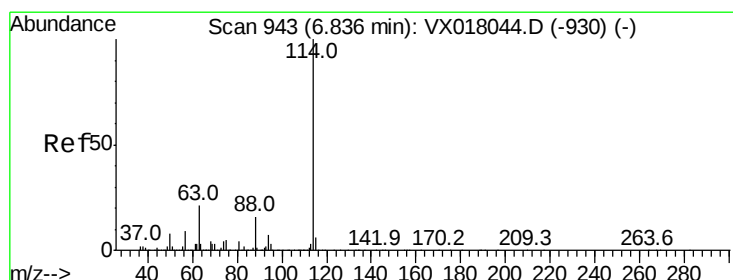
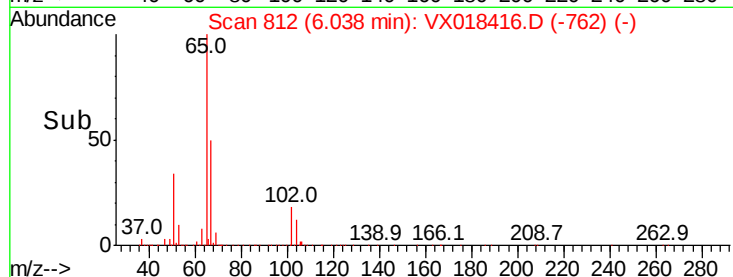
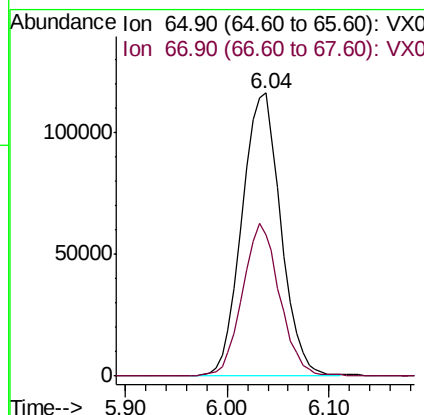
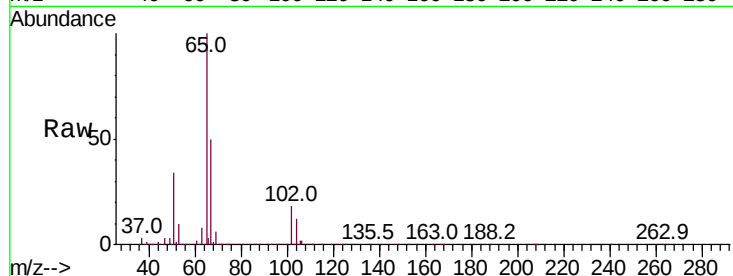
Lab File: VX018416.D

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Tot Ion: 65 Resp: 308830

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

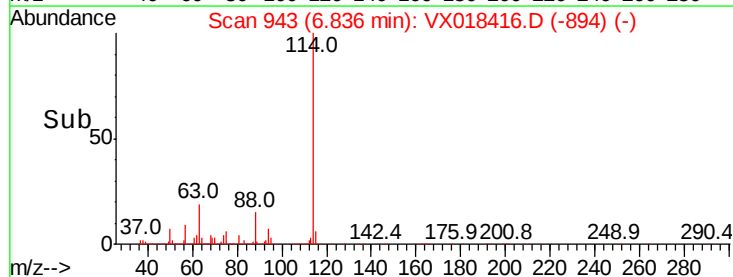
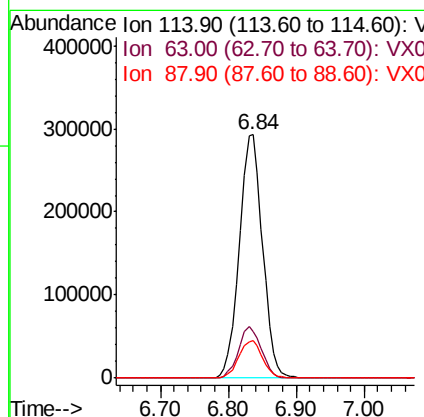
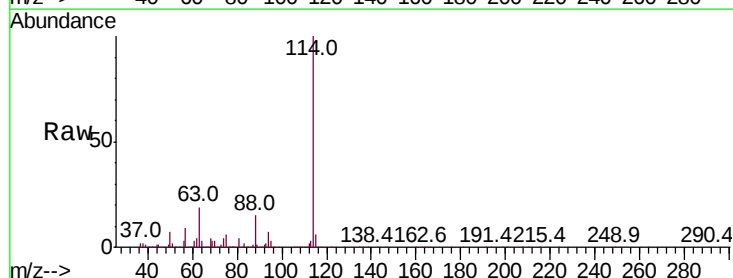
Delta R.T. -0.00 min

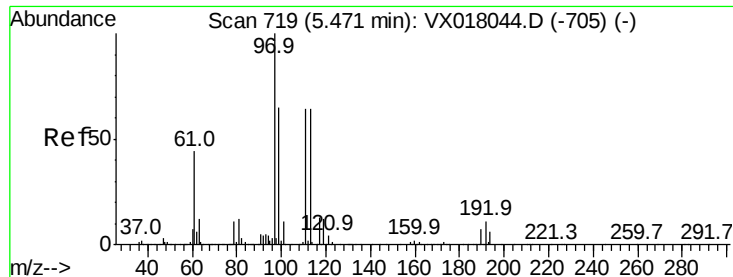
Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Tgt Ion: 114 Resp: 694563

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	42.6
88	15.3	0.0	31.8





#35

Dibromofluoromethane

Concen: 50.962 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#07

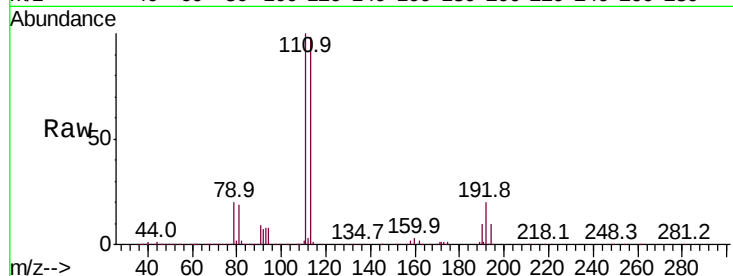
Tot Ion:113 Resp: 241064

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

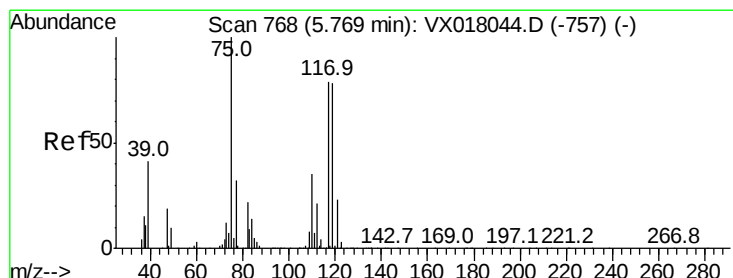
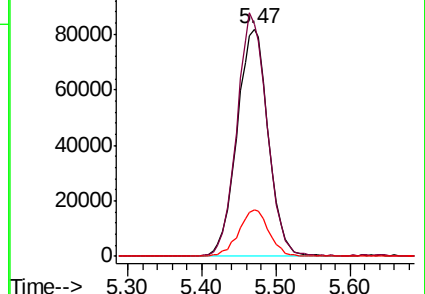
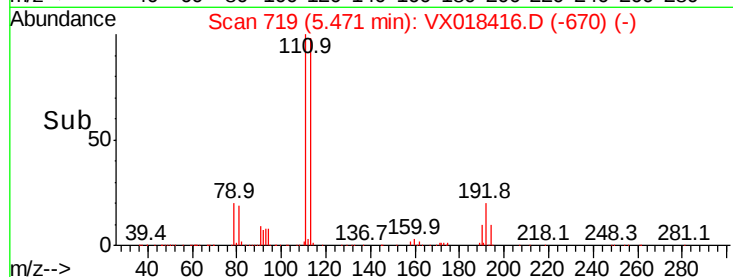
192 19.7 15.8 23.8



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: 5.130 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

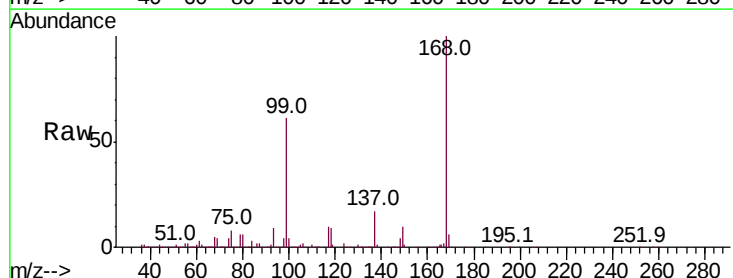
Tgt Ion: 75 Resp: 32866

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

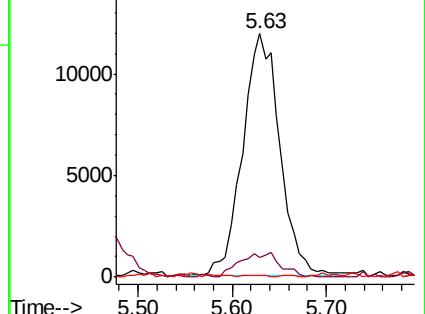
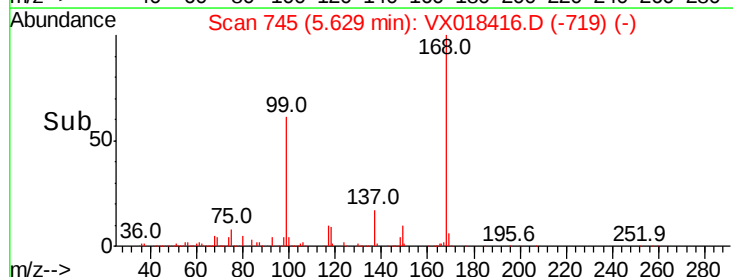
77 0.5 24.4 36.6#

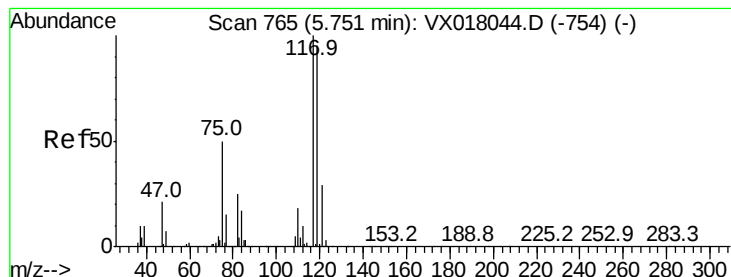


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.292 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#07

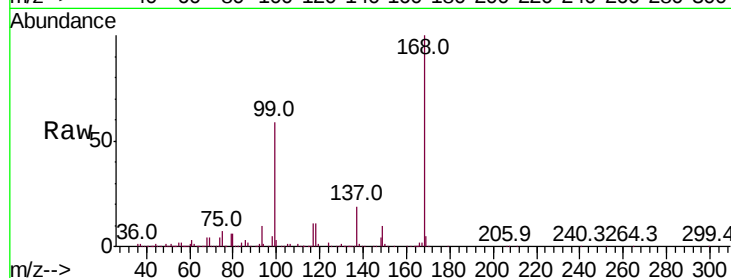
Tot Ion:117 Resp: 45423

Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.6#

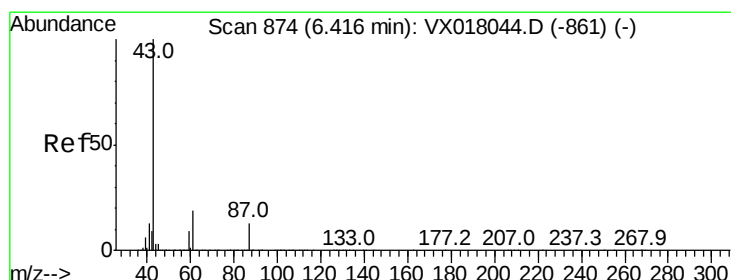
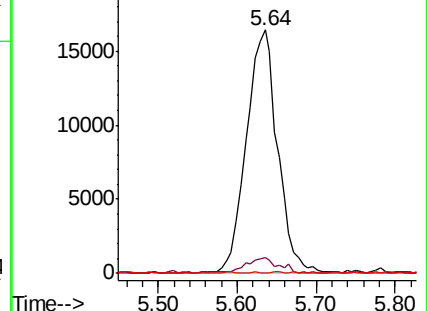
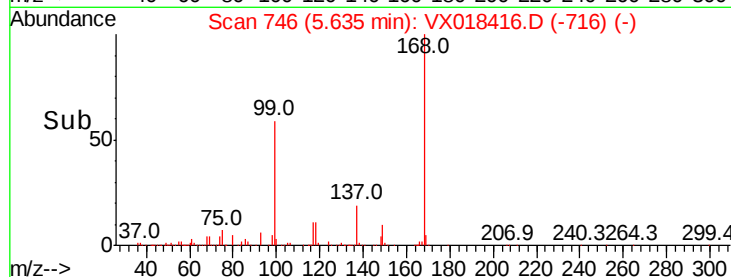
121 0.0 23.4 35.0#



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: 9.740 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

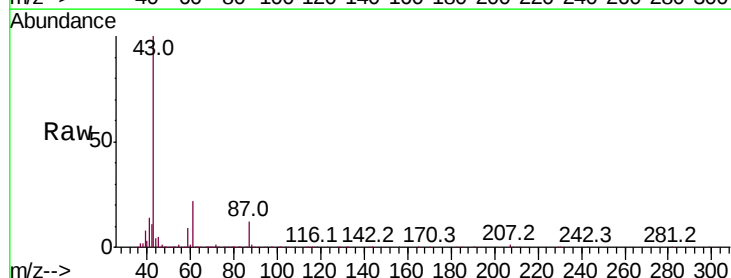
Tgt Ion: 43 Resp: 117049

Ion Ratio Lower Upper

43 100

61 20.1 15.7 23.5

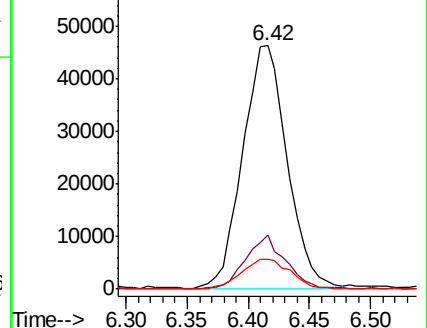
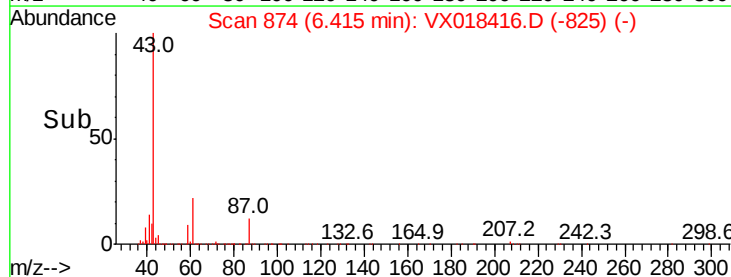
87 13.5 10.3 15.5

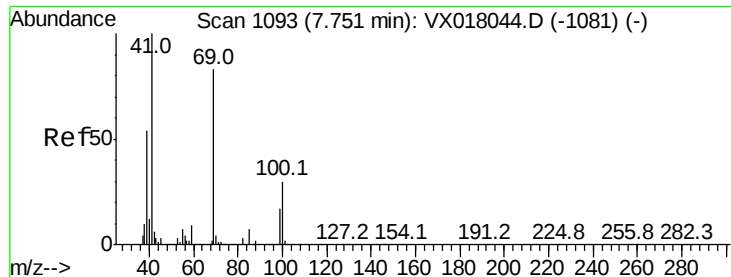


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 33.971 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.10 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#07

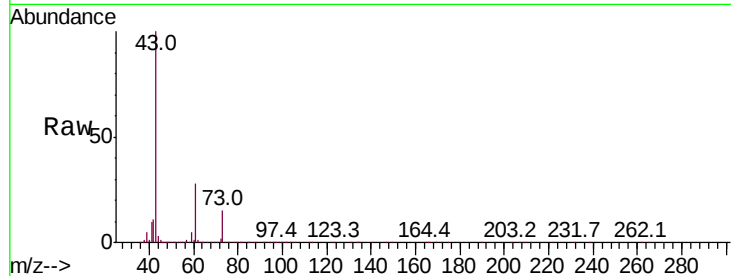
Tot Ion: 41 Resp: 203233

Ion Ratio Lower Upper

41 100

69 0.4 65.5 98.3#

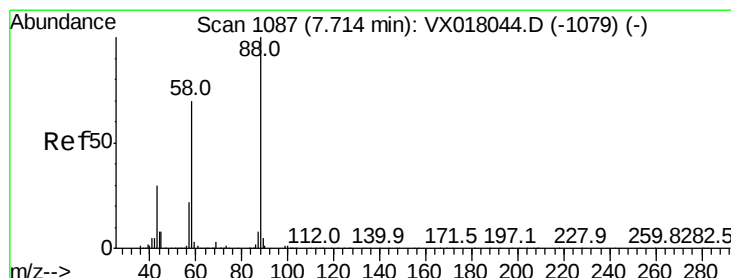
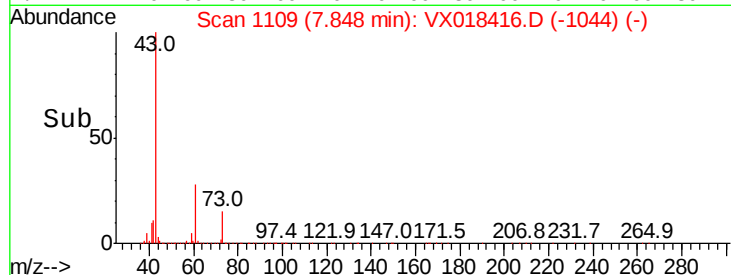
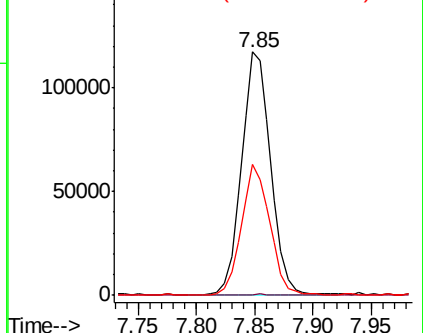
39 52.4 44.5 66.7



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: 1.080 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

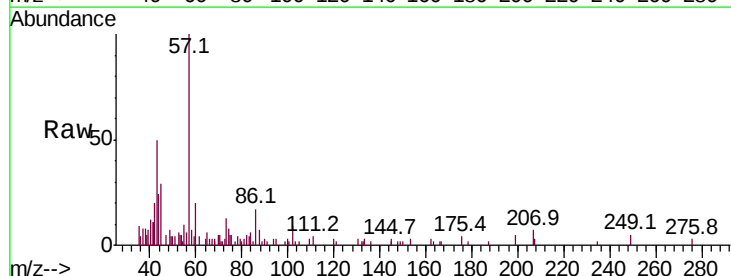
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

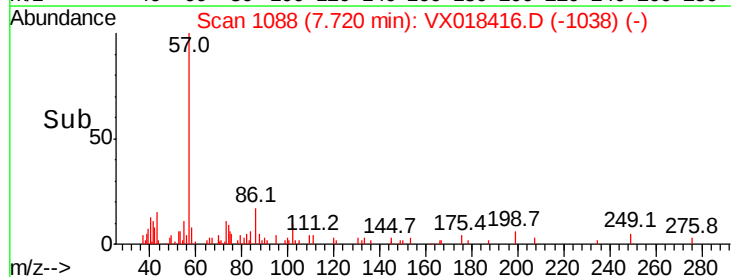
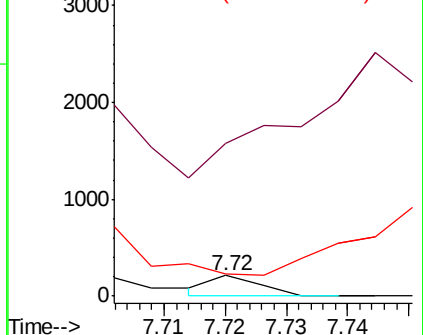
58 0.0 56.4 84.6#

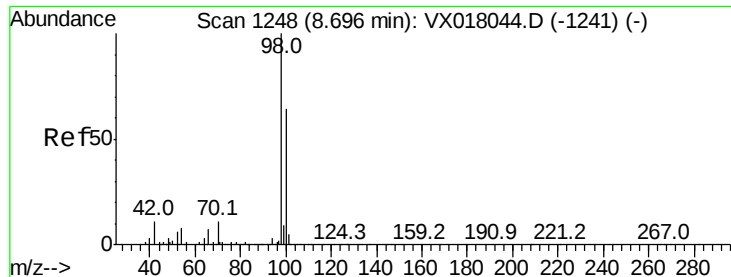


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.611 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

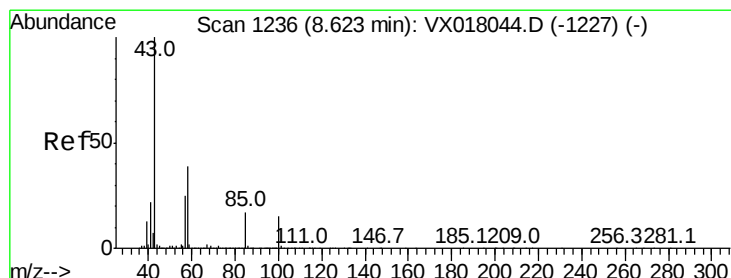
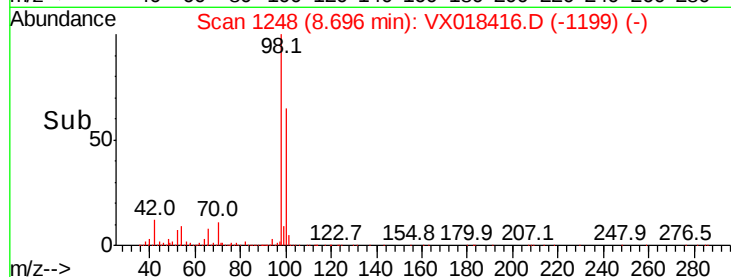
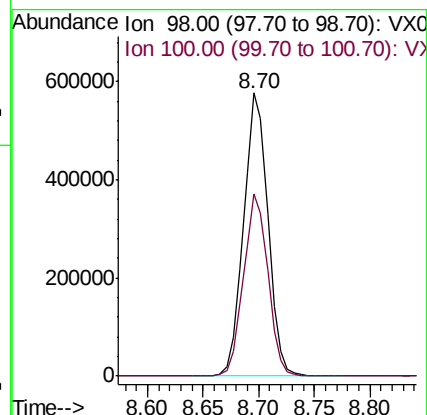
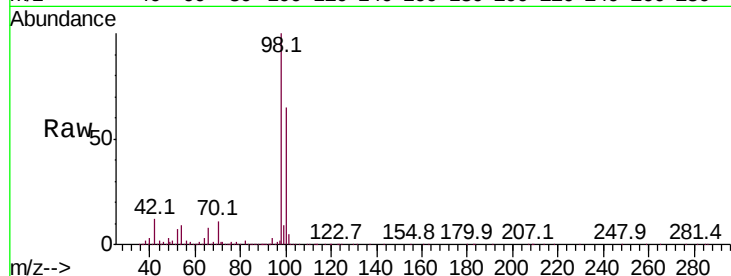
PB131607ZHE#07

Tot Ion: 98 Resp: 874057

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 16.239 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018416.D

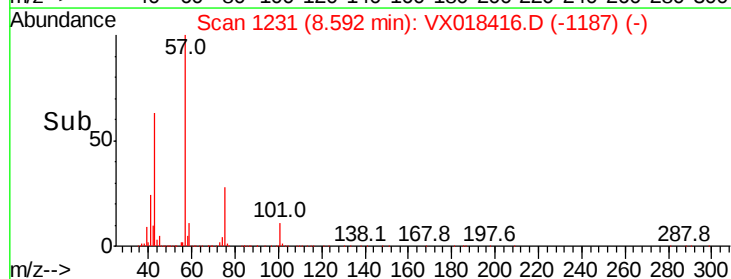
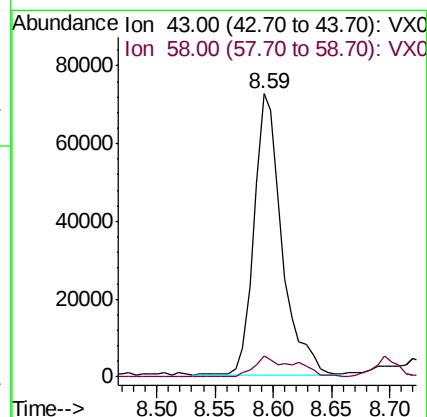
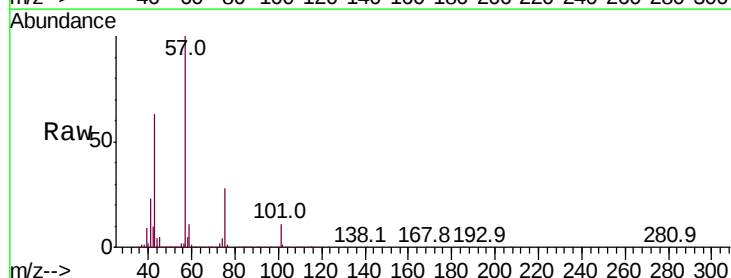
Acq: 15 Sep 2020 18:47

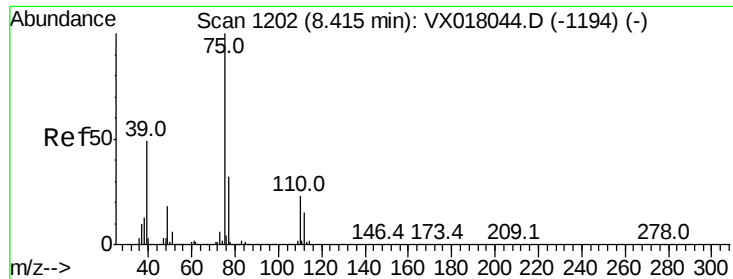
Tgt Ion: 43 Resp: 120550

Ion Ratio Lower Upper

43 100

58 10.8 30.7 46.1#



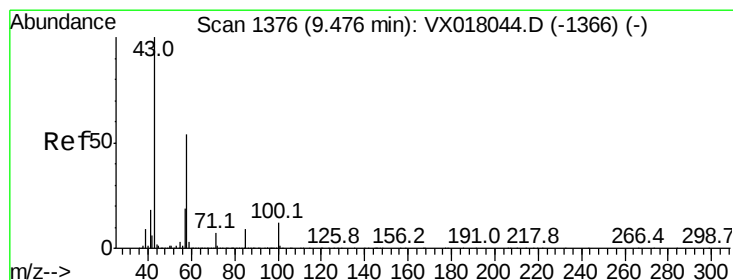
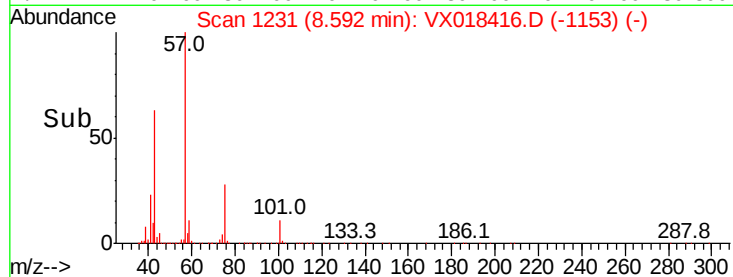
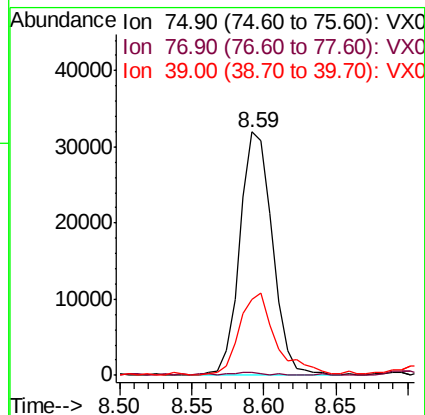
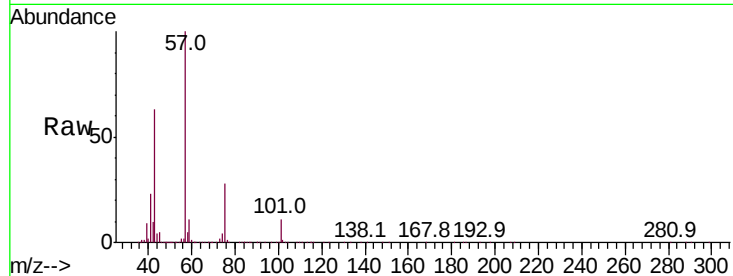


#54

cis-1,3-Dichloropropene
 Concen: 6.003 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018416.D
 Acq: 15 Sep 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#07

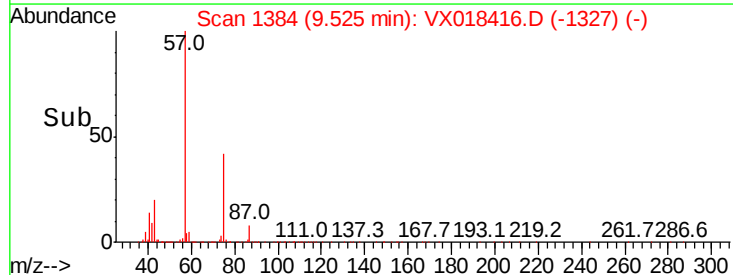
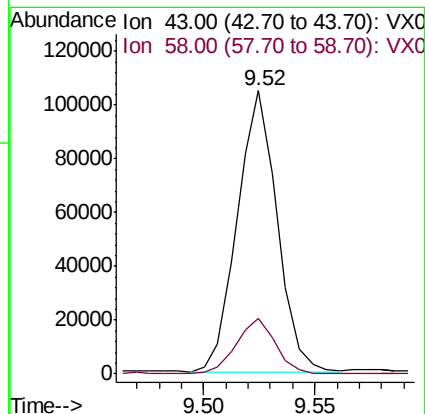
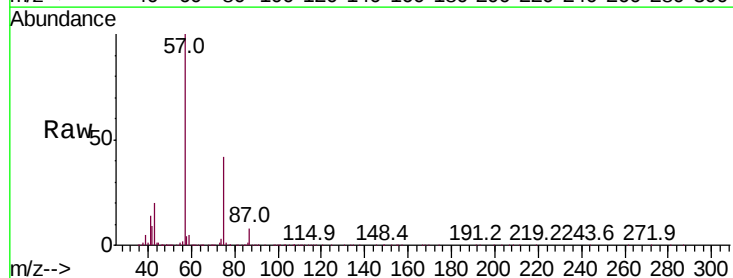
Tot Ion: 75 Resp: 50209
 Ion Ratio Lower Upper
 75 100
 77 1.3 25.8 38.8#
 39 31.0 38.8 58.2#

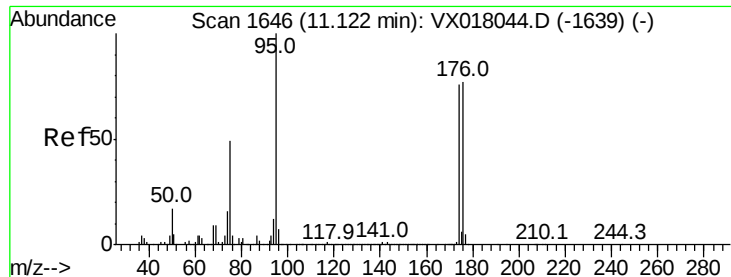


#59

2-Hexanone
 Concen: 23.004 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX018416.D
 Acq: 15 Sep 2020 18:47

Tgt Ion: 43 Resp: 129853
 Ion Ratio Lower Upper
 43 100
 58 19.7 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.940 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#07

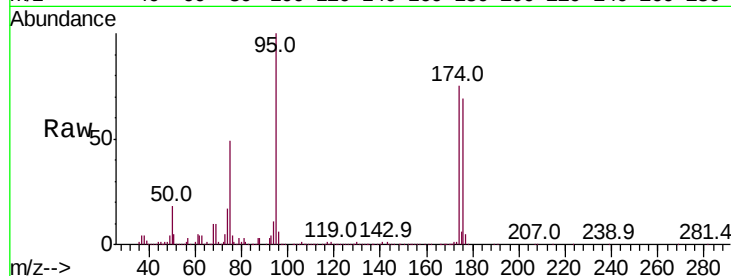
Tot Ion: 95 Resp: 332307

Ion Ratio Lower Upper

95 100

174 79.0 0.0 160.2

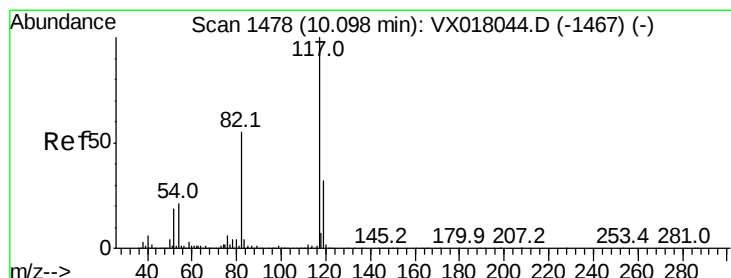
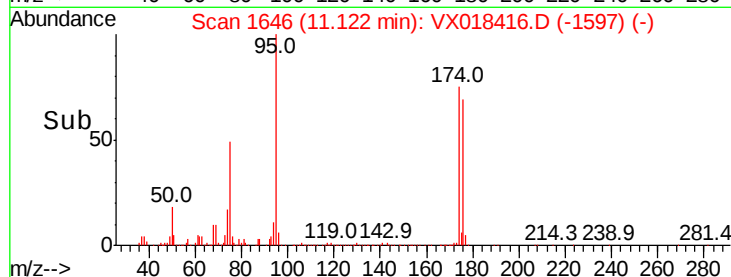
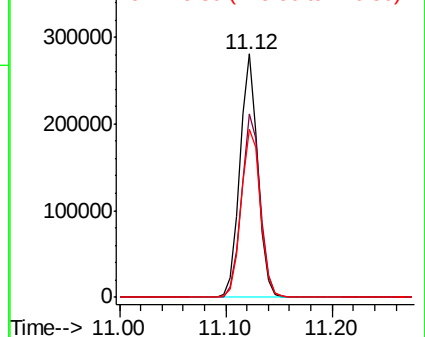
176 73.9 0.0 155.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

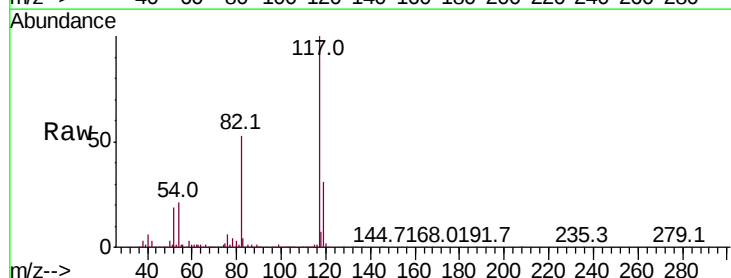
Tgt Ion: 117 Resp: 691902

Ion Ratio Lower Upper

117 100

82 53.4 44.2 66.2

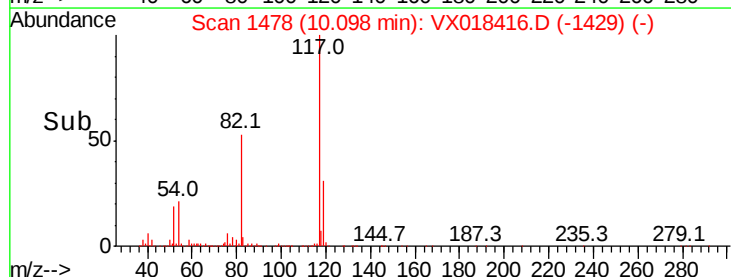
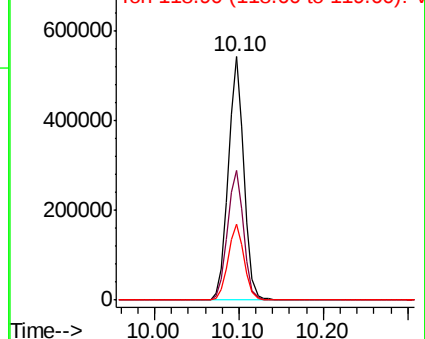
119 31.3 25.7 38.5

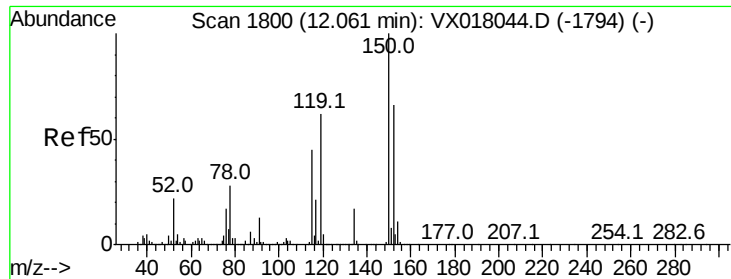


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#07

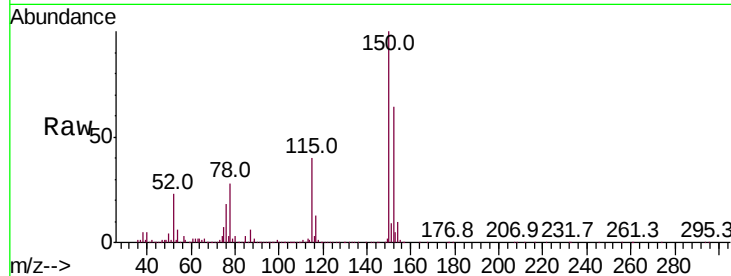
Tot Ion:152 Resp: 328269

Ion Ratio Lower Upper

152 100

115 60.2 41.5 124.5

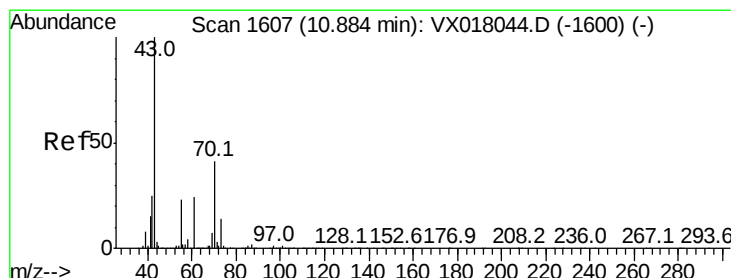
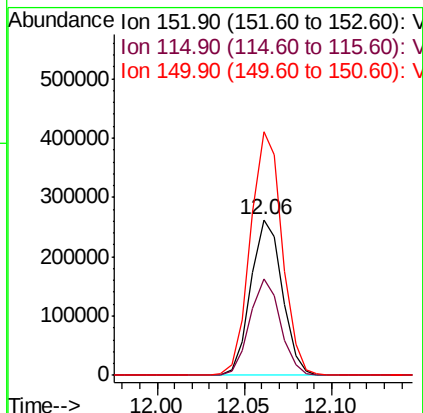
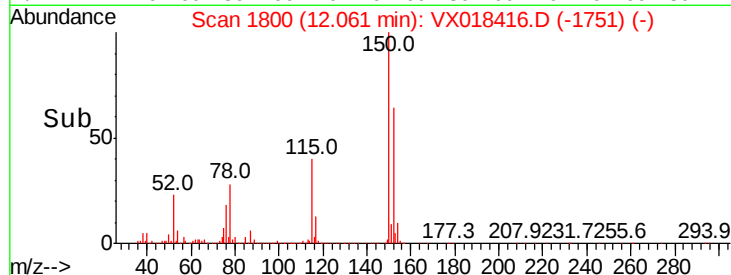
150 158.0 0.0 343.8



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: 0.532 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Tgt Ion: 43 Resp: 5465

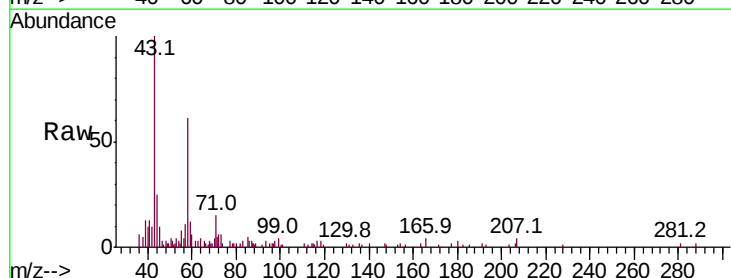
Ion Ratio Lower Upper

43 100

70 7.0 32.3 48.5#

55 22.2 18.2 27.2

61 0.0 18.9 28.3#

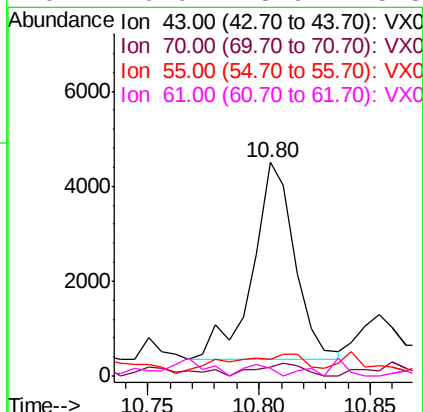
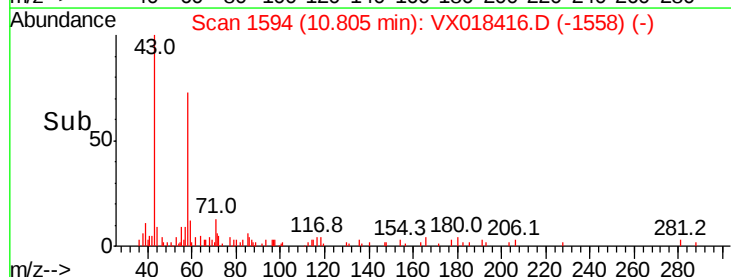


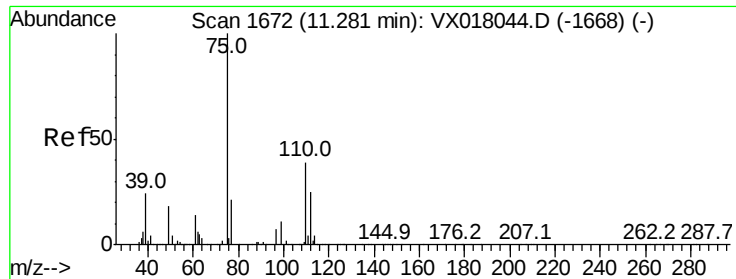
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.833 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

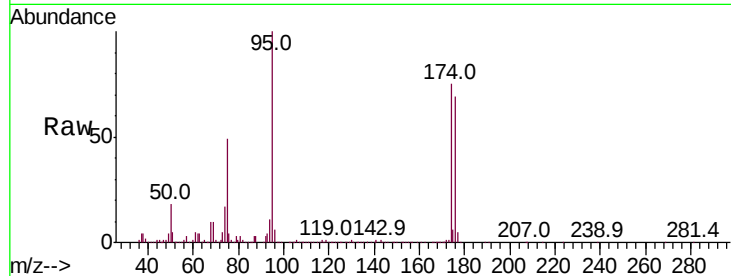
PB131607ZHE#07

Tot Ion: 75 Resp: 166734

Ion Ratio Lower Upper

75 100

77 1.1 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

150000

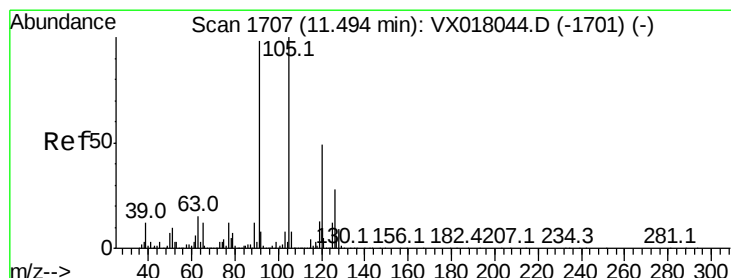
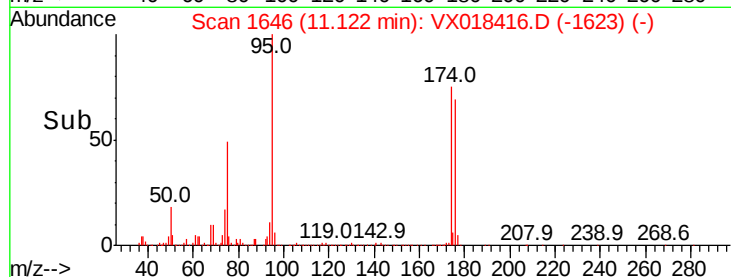
100000

50000

0

Time-->

11.05 11.10 11.15 11.20



#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018416.D

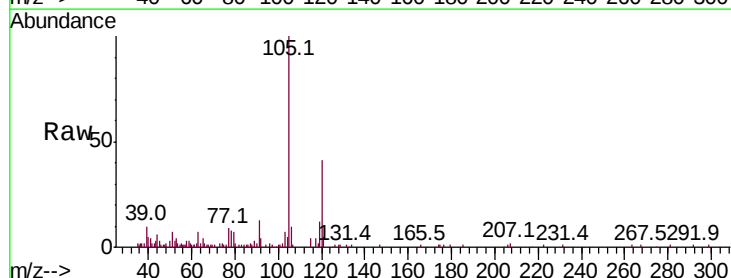
Acq: 15 Sep 2020 18:47

Tgt Ion:105 Resp: 15214

Ion Ratio Lower Upper

105 100

120 46.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

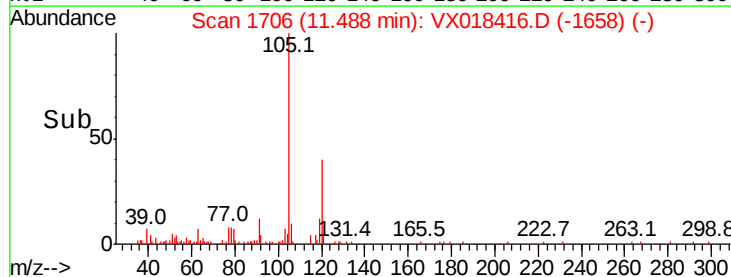
10000

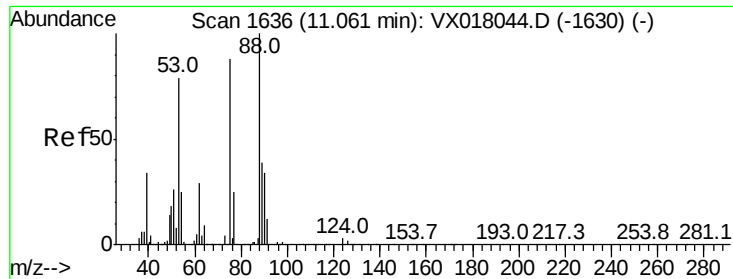
5000

0

Time-->

11.45 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 61.667 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018416.D

Acq: 15 Sep 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#07

Tot Ion: 75 Resp: 166734

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.6 54.8#

