

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018415.D
 Acq On : 15 Sep 2020 18:24
 Operator : JC/SP
 Sample : PB131607ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#06

Quant Time: Sep 16 03:38:33 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	426533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	698517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	705212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	342828	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	312573	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	5.46	113	245003	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	8.70	98	893128	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.12	95	331447	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

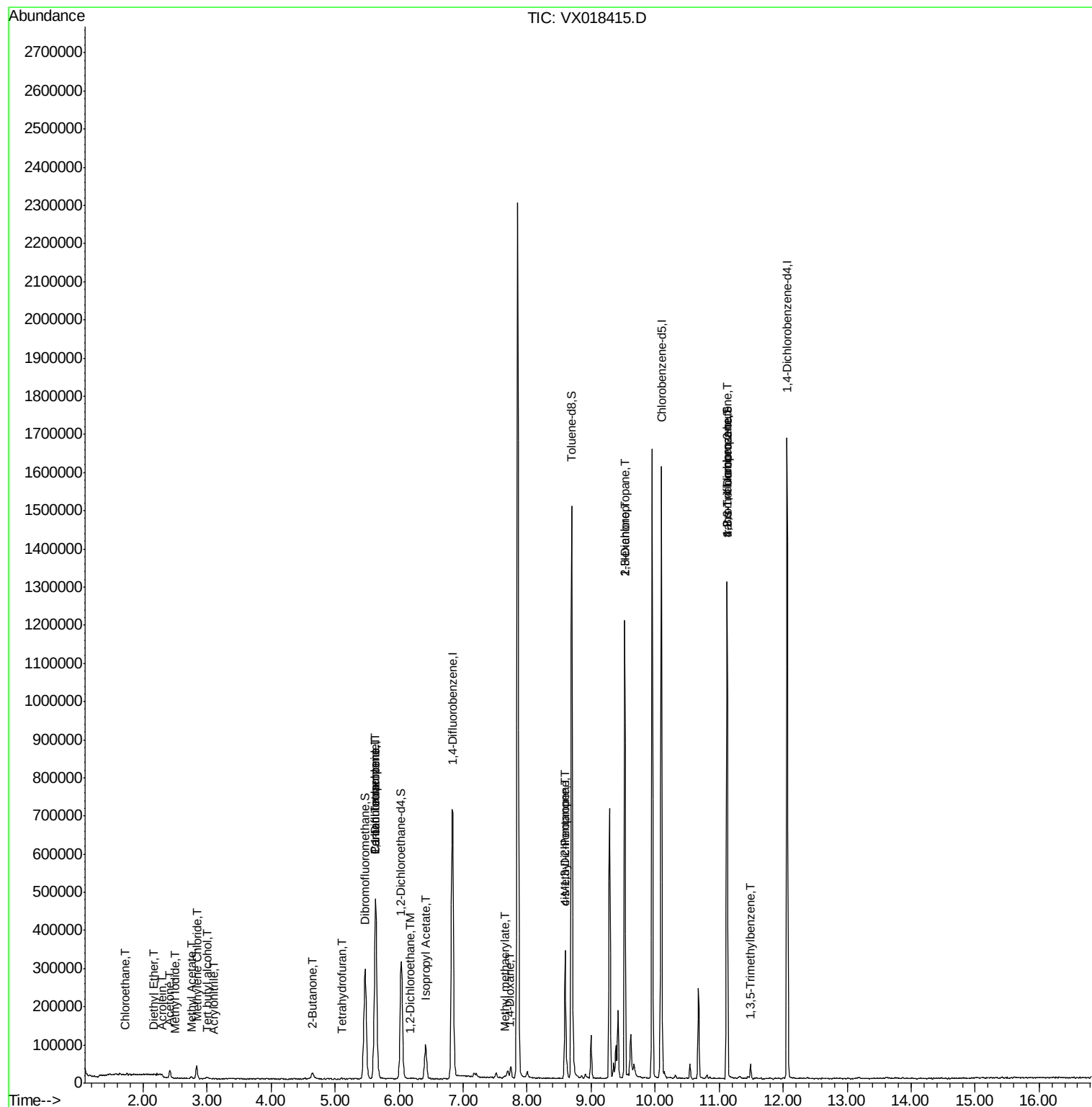
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	653	0.223	ug/l #	41
8) Diethyl Ether	2.17	74	799	0.317	ug/l	85
10) Methyl Iodide	2.50	142	183	5.325	ug/l #	78
11) Tert butyl alcohol	2.99	59	3706	3.219	ug/l	95
13) Acrolein	2.29	56	385	0.806	ug/l #	7
15) Acrylonitrile	3.11	53	760	0.291	ug/l #	73
16) Acetone	2.42	43	22437	9.724	ug/l	95
18) Methyl Acetate	2.76	43	7290	1.309	ug/l #	86
20) Methylene Chloride	2.84	84	15292	2.123	ug/l	96
25) 2-Butanone	4.65	43	6977	1.840	ug/l #	87
29) Tetrahydrofuran	5.10	42	2326	0.964	ug/l #	78
36) 1,1-Dichloropropene	5.64	75	33295	5.168	ug/l #	49
38) Carbon Tetrachloride	5.64	117	45337	6.244	ug/l #	17
42) 1,2-Dichloroethane	6.17	62	1707	0.235	ug/l	79
43) Isopropyl Acetate	6.42	43	120562	9.975	ug/l	100
48) Methyl methacrylate	7.66	41	8123	1.350	ug/l #	16
49) 1,4-Dioxane	7.73	88	231	2.120	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	121219	16.237	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	49686	5.907	ug/l #	63
57) 1,3-Dichloropropane	9.52	76	10173	1.205	ug/l #	48
59) 2-Hexanone	9.52	43	133132	23.452	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	172472	22.615	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	16288	0.877	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	172472	61.080	ug/l #	12

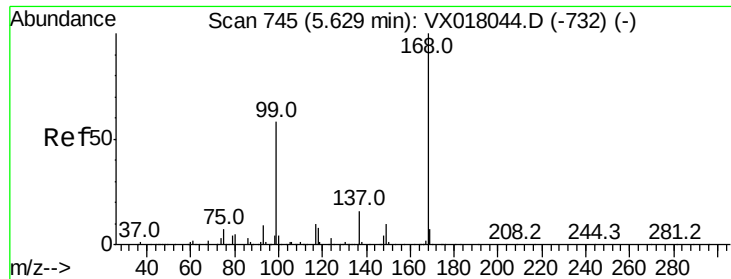
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 16 03:38:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
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: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :

MSVOA_X

ClientSampleId :

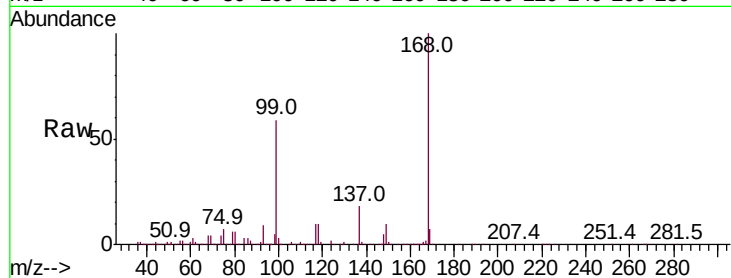
PB131607ZHE#06

Tot Ion:168 Resp: 426533

Ion Ratio Lower Upper

168 100

99 59.2 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

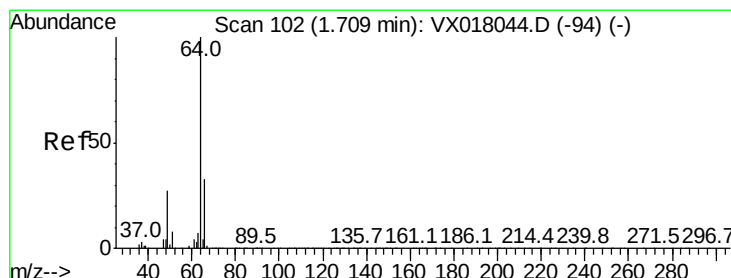
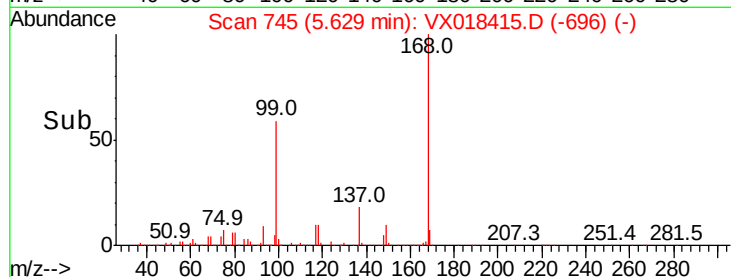
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX018415.D

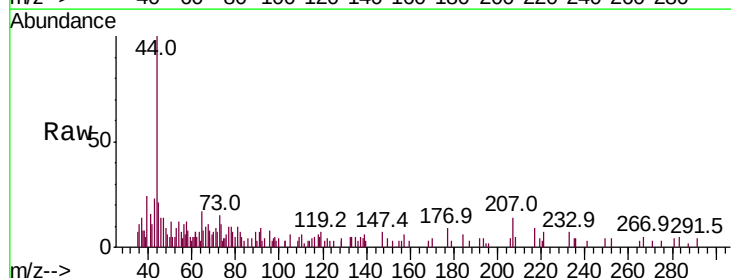
Acq: 15 Sep 2020 18:24

Tgt Ion: 64 Resp: 653

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

600

500

400

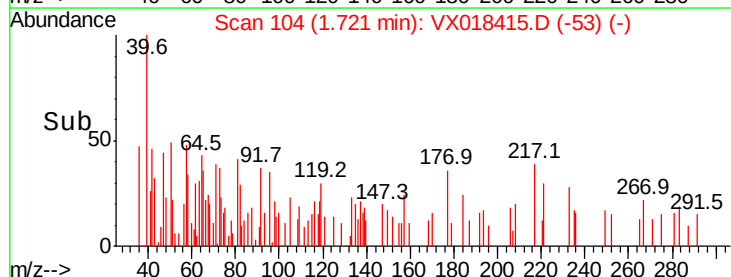
300

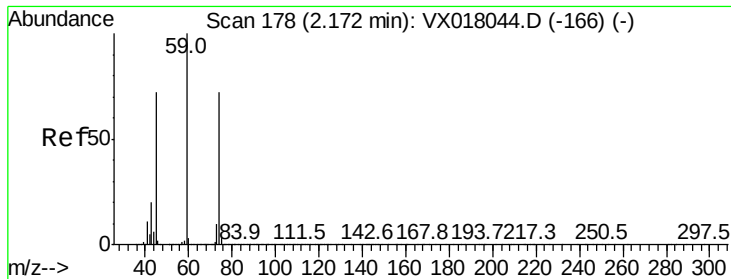
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.317 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :

MSVOA_X

ClientSampleId :

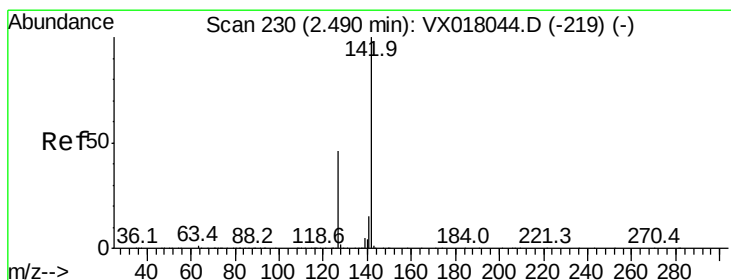
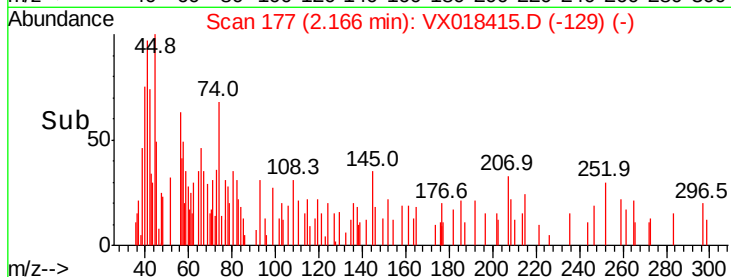
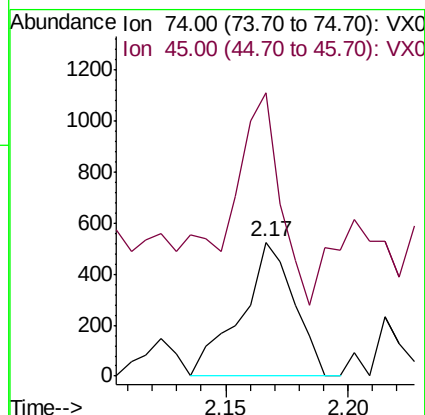
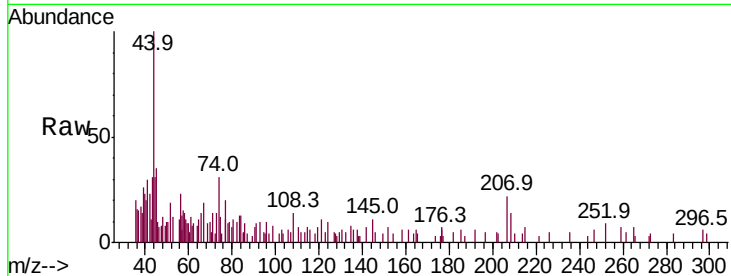
PB131607ZHE#06

Tot Ion: 74 Resp: 799

Ion Ratio Lower Upper

74 100

45 116.4 50.7 152.3



#10

Methyl Iodide

Concen: 5.325 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

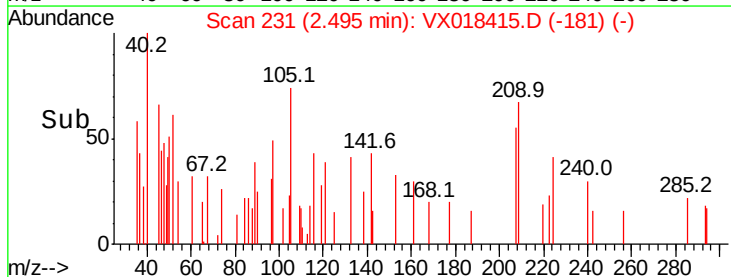
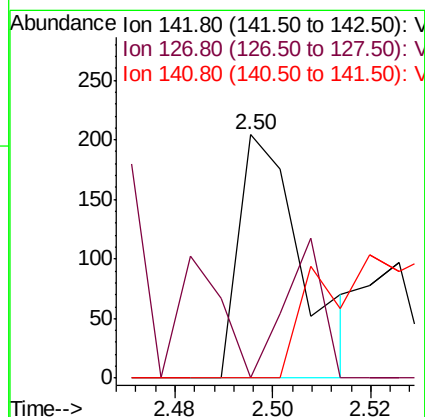
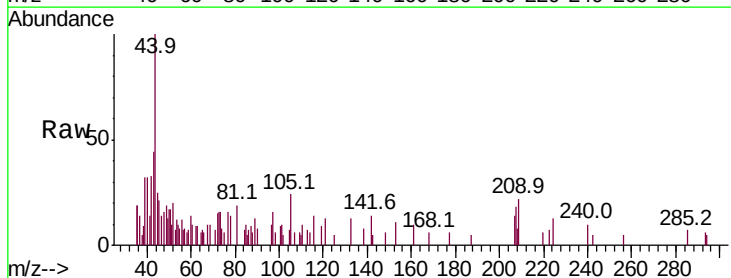
Tgt Ion: 142 Resp: 183

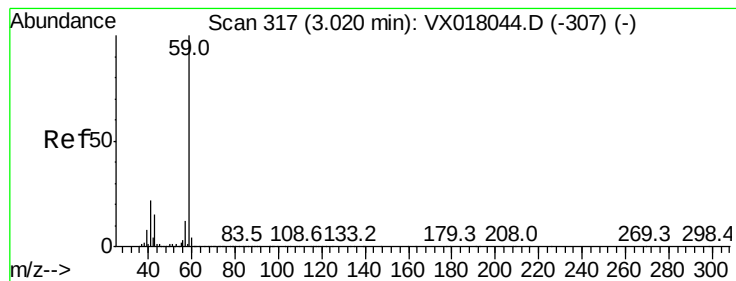
Ion Ratio Lower Upper

142 100

127 34.4 37.0 55.6#

141 0.0 11.5 17.3#



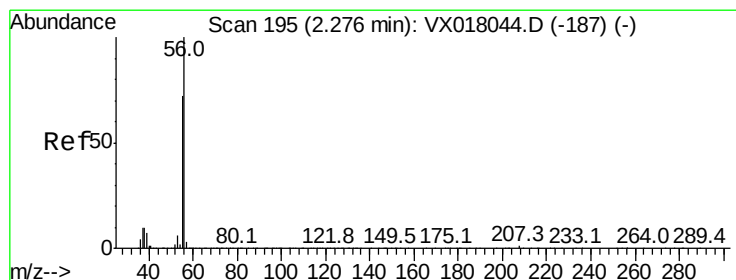
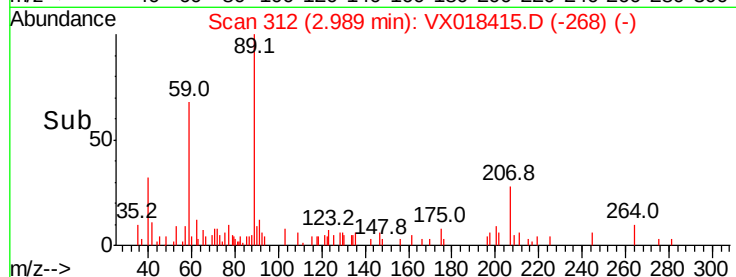
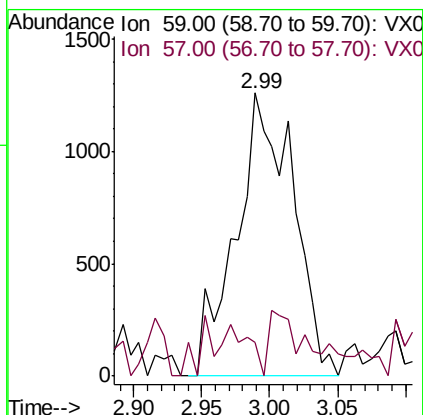
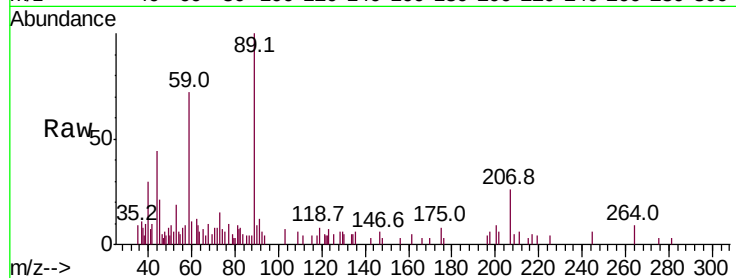


#11

Tert butyl alcohol
Concen: 3.219 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX018415.D
Acq: 15 Sep 2020 18:24

Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#06

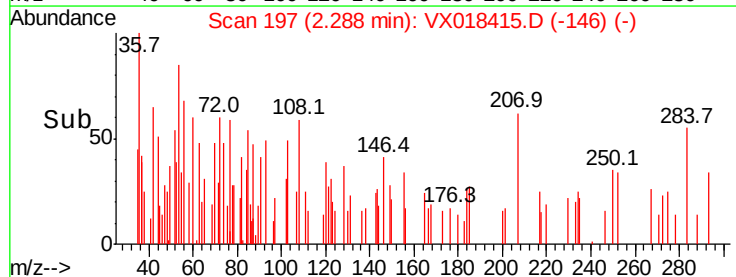
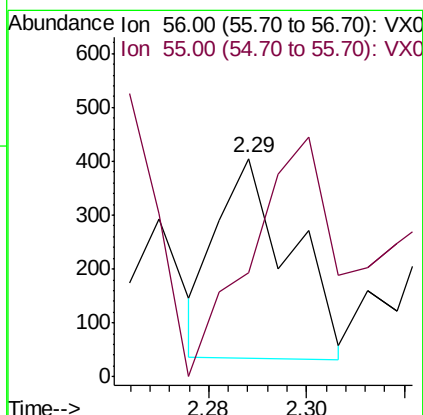
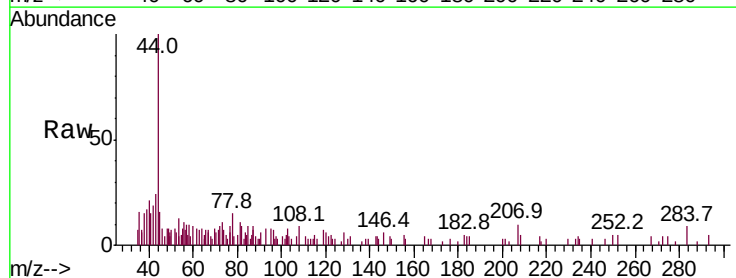
Tot Ion: 59 Resp: 3706
Ion Ratio Lower Upper
59 100
57 12.9 8.9 13.3

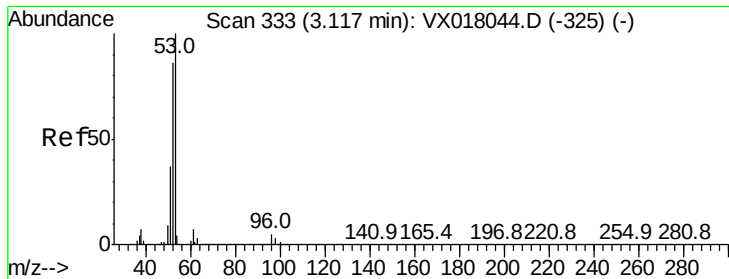


#13

Acrolein
Concen: 0.806 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018415.D
Acq: 15 Sep 2020 18:24

Tgt Ion: 56 Resp: 385
Ion Ratio Lower Upper
56 100
55 148.6 57.0 85.6#

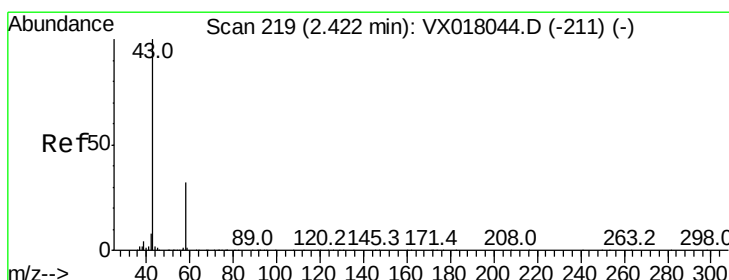
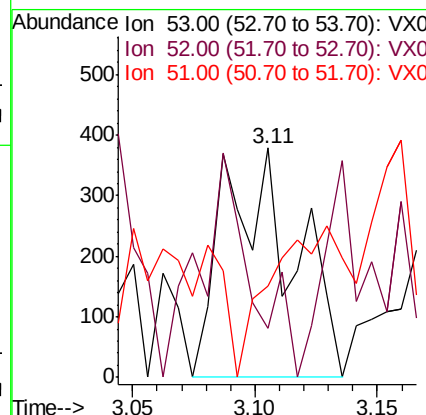
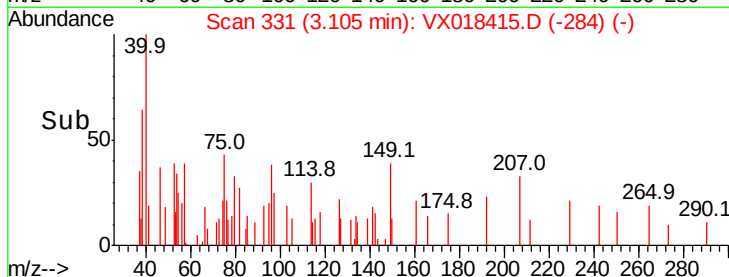
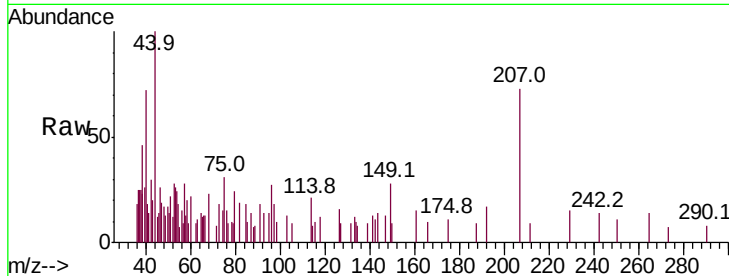




#15
Acrylonitrile
Concen: 0.291 ug/l
RT: 3.11 min Scan# 331
Delta R.T. -0.01 min
Lab File: VX018415.D
Acq: 15 Sep 2020 18:24

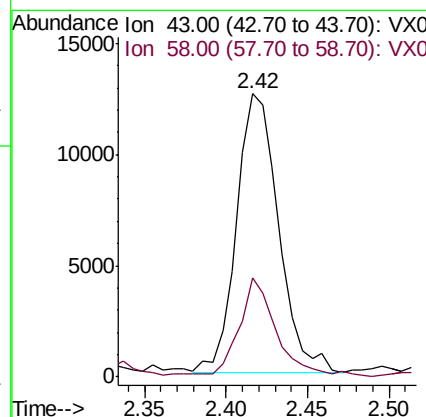
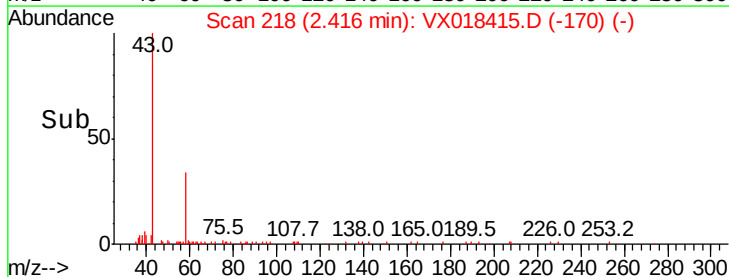
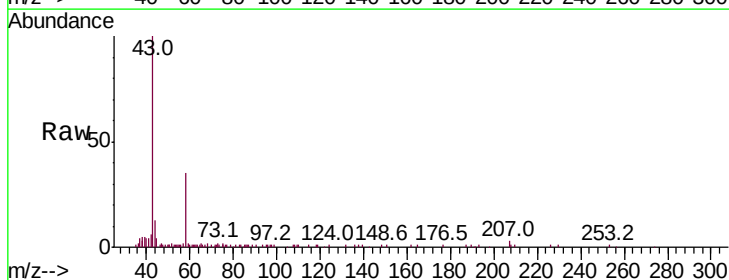
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#06

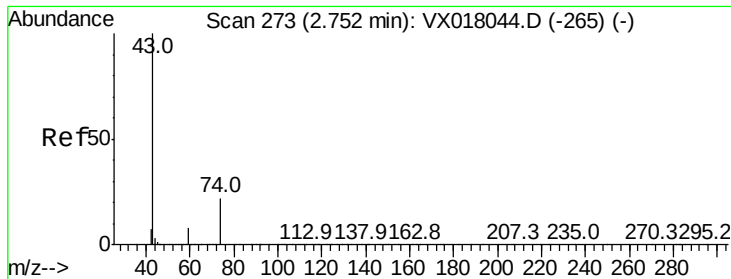
Tot Ion: 53 Resp: 760
Ion Ratio Lower Upper
53 100
52 72.1 66.9 100.3
51 0.0 28.7 43.1#



#16
Acetone
Concen: 9.724 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018415.D
Acq: 15 Sep 2020 18:24

Tgt Ion: 43 Resp: 22437
Ion Ratio Lower Upper
43 100
58 34.4 25.5 38.3

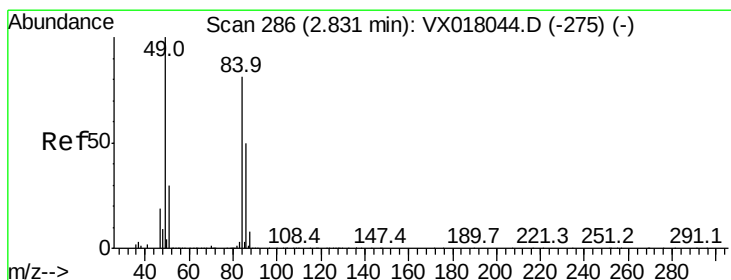
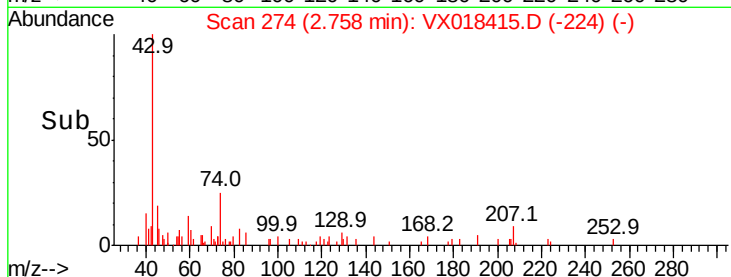
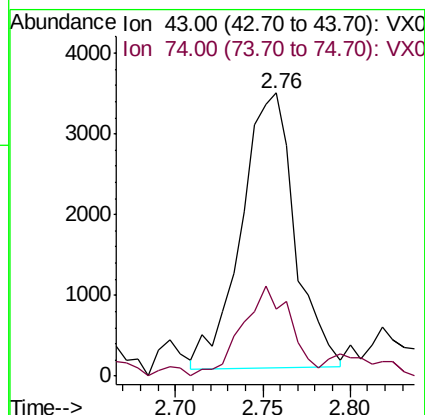
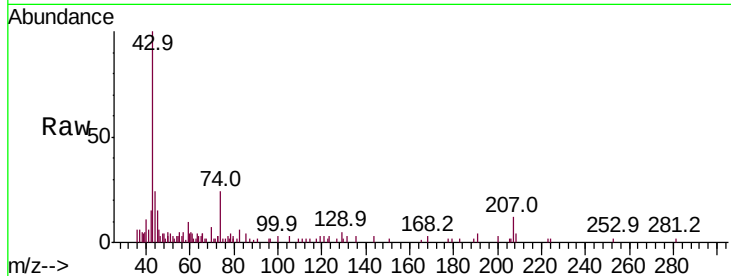




#18
Methyl Acetate
Concen: 1.309 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX018415.D
Acq: 15 Sep 2020 18:24

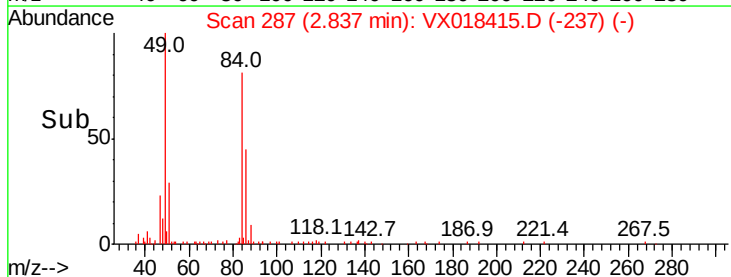
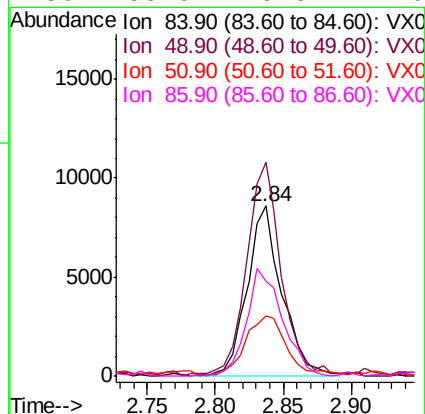
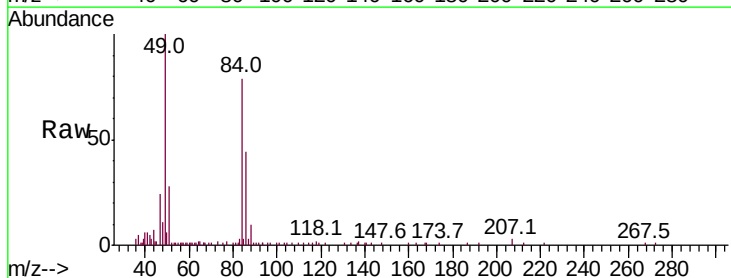
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#06

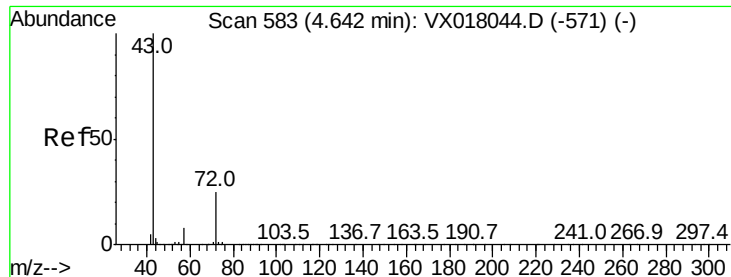
Tot Ion: 43 Resp: 7290
Ion Ratio Lower Upper
43 100
74 29.6 18.2 27.4#



#20
Methylene Chloride
Concen: 2.123 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018415.D
Acq: 15 Sep 2020 18:24

Tgt Ion: 84 Resp: 15292
Ion Ratio Lower Upper
84 100
49 124.5 98.6 148.0
51 33.9 29.6 44.4
86 55.5 49.8 74.6





#25

2-Butanone

Concen: 1.840 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :

MSVOA_X

ClientSampleId :

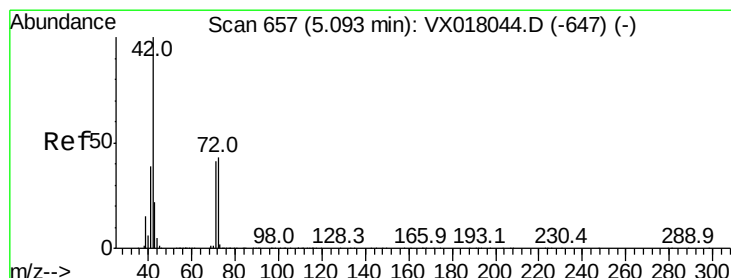
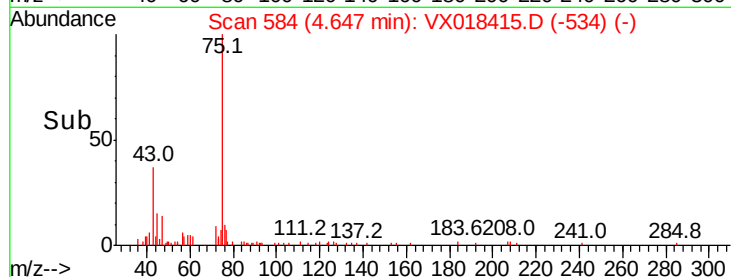
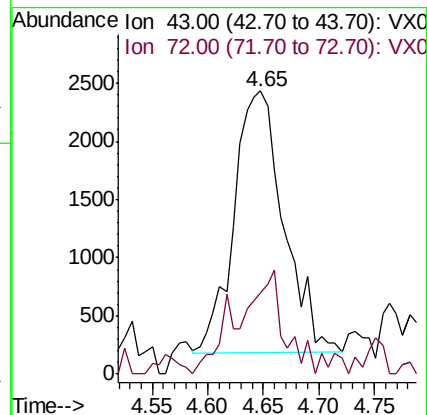
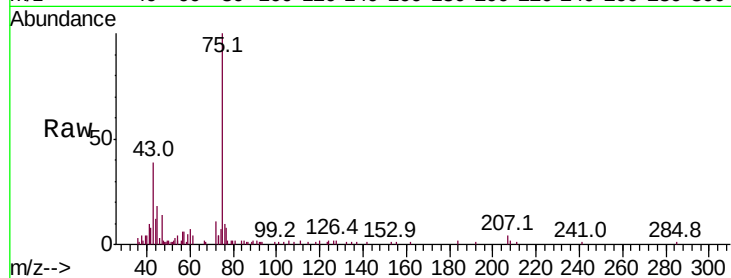
PB131607ZHE#06

Tot Ion: 43 Resp: 6977

Ion Ratio Lower Upper

43 100

72 31.2 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.964 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

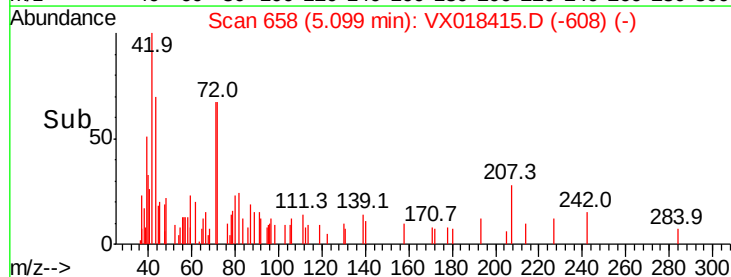
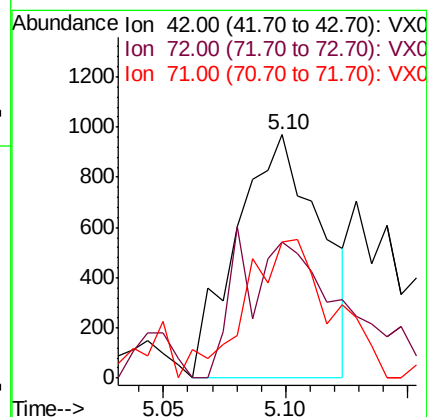
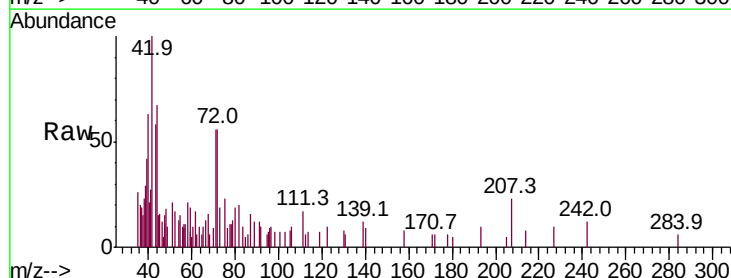
Tgt Ion: 42 Resp: 2326

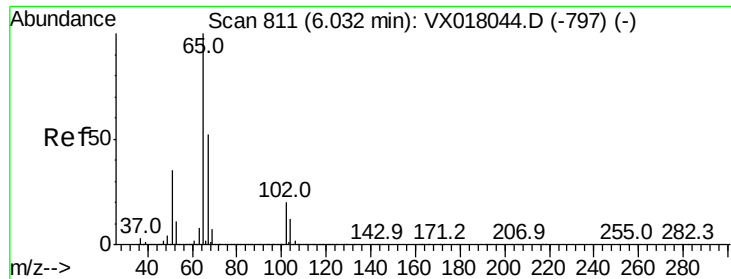
Ion Ratio Lower Upper

42 100

72 54.7 34.2 51.4#

71 55.6 32.1 48.1#

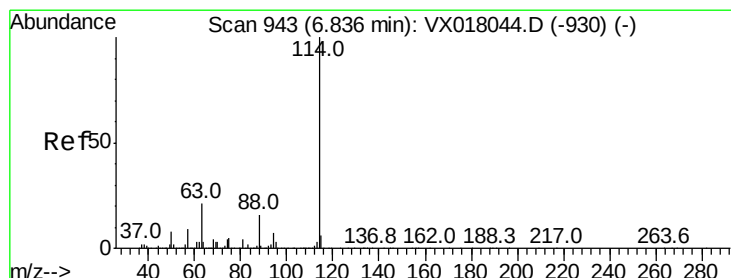
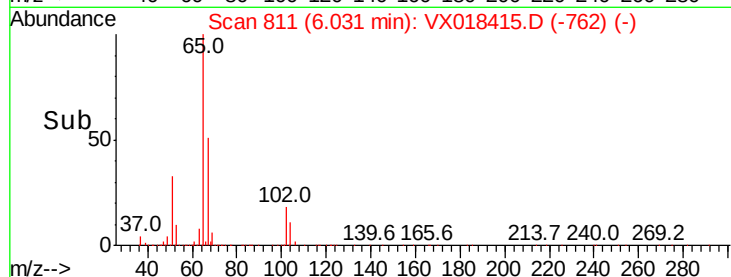
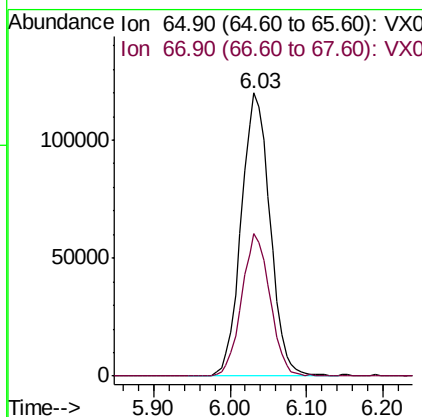
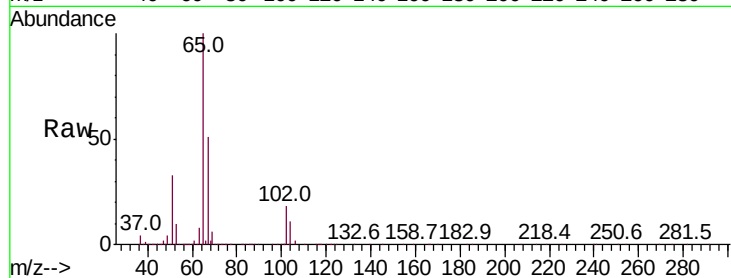




#33
 1,2-Dichloroethane-d4
 Concen: 52.787 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

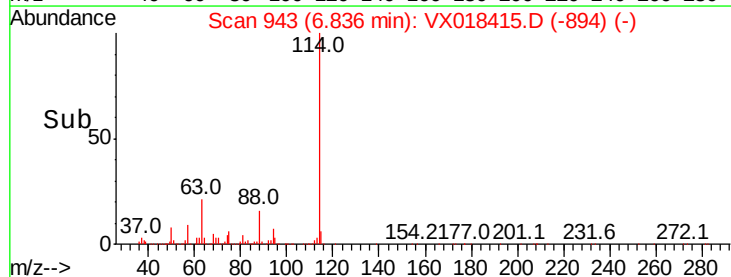
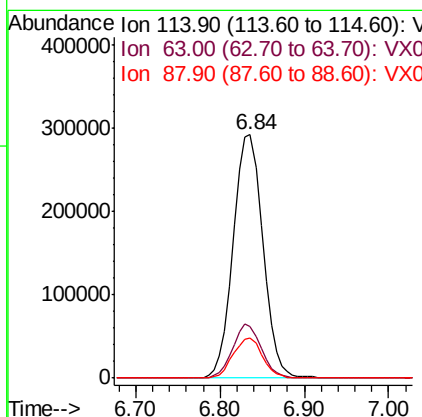
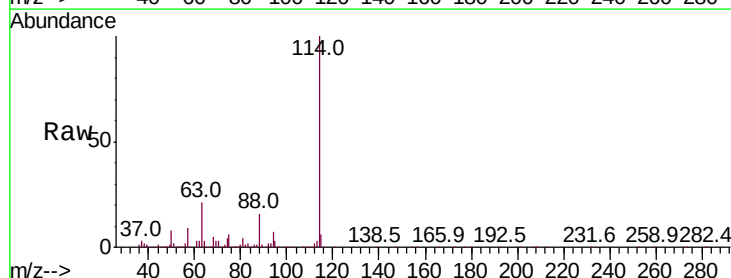
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#06

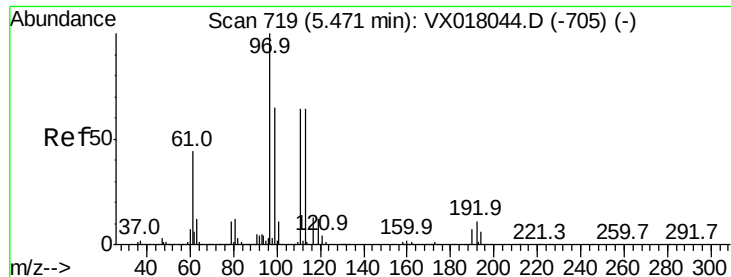
Tot Ion: 65 Resp: 312573
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

Tgt Ion: 114 Resp: 698517
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 16.3 0.0 31.8

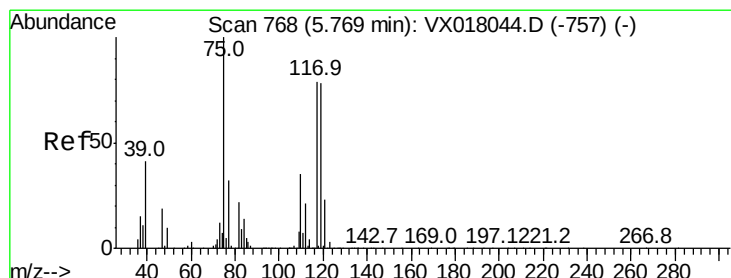
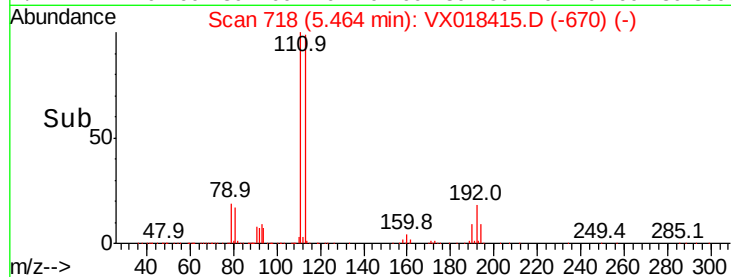
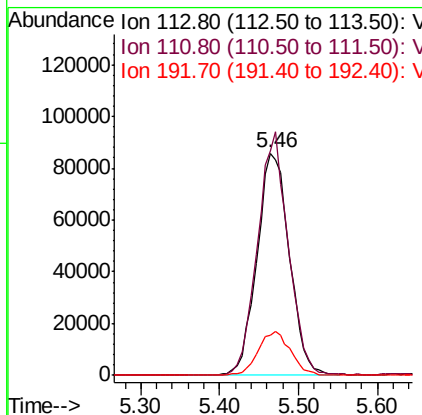
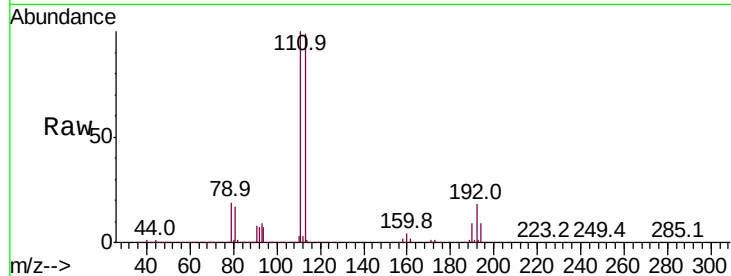




#35
 Dibromofluoromethane
 Concen: 51.501 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

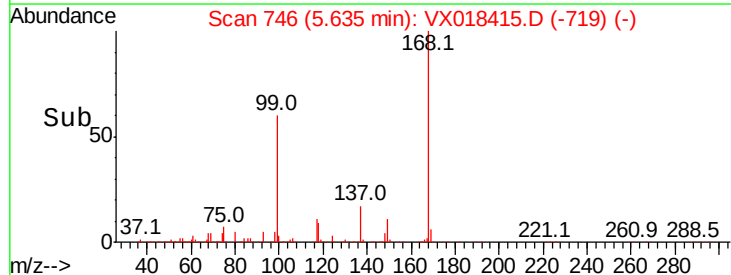
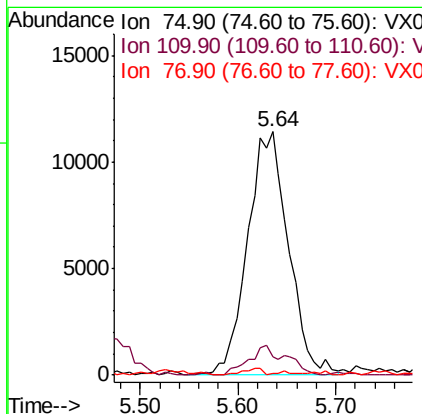
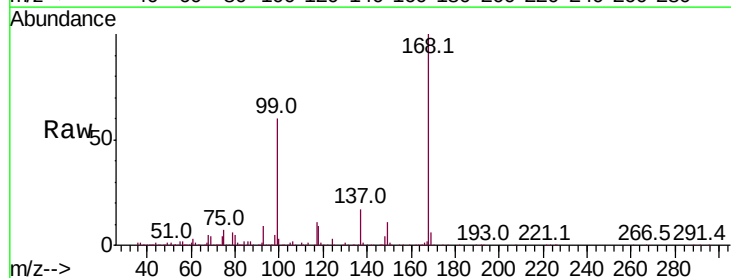
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#06

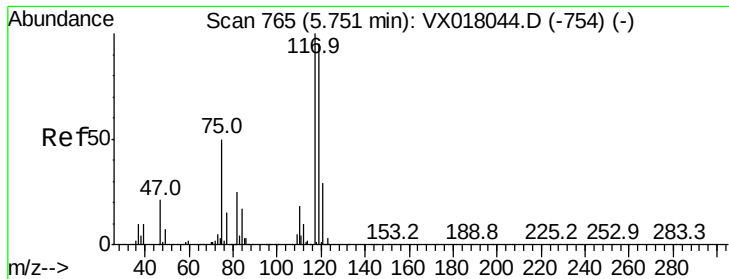
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.6	122.4
192	19.9	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.0	54.0#
77	1.4	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#06

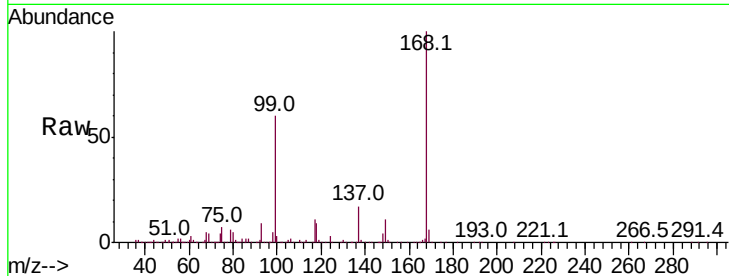
Tot Ion:117 Resp: 45337

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

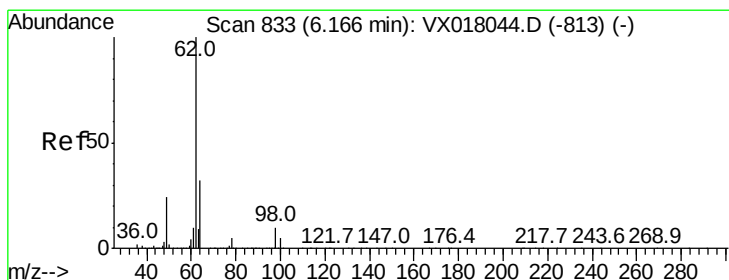
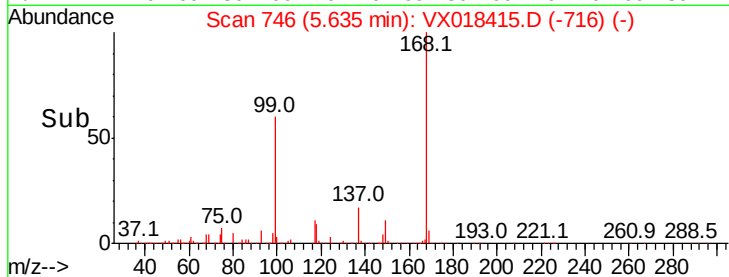
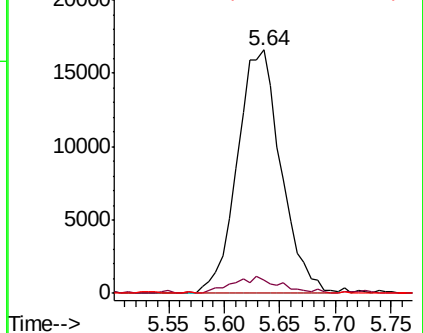
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 6.17 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX018415.D

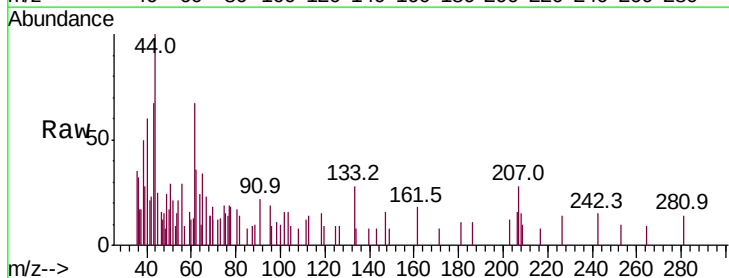
Acq: 15 Sep 2020 18:24

Tgt Ion: 62 Resp: 1707

Ion Ratio Lower Upper

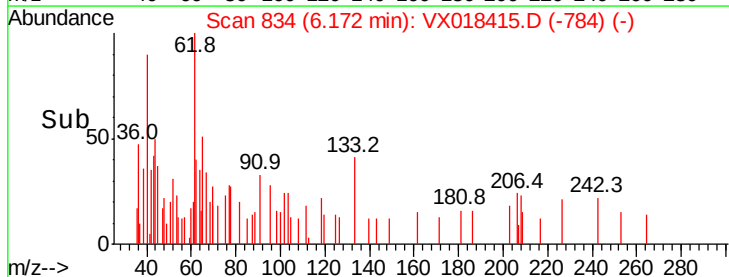
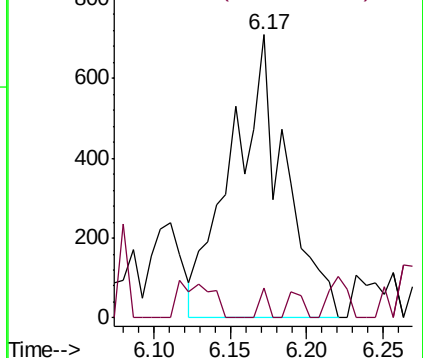
62 100

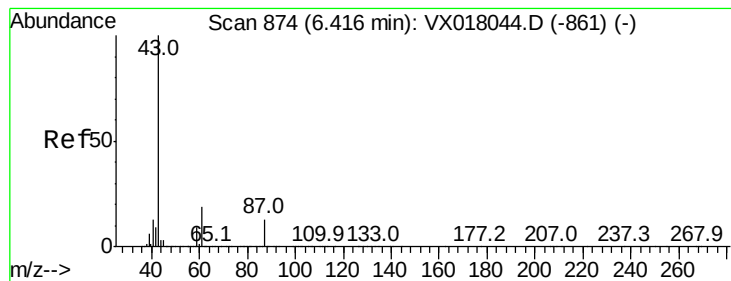
98 1.6 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 9.975 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#06

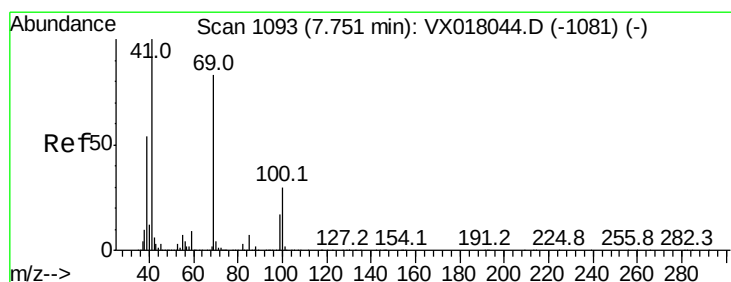
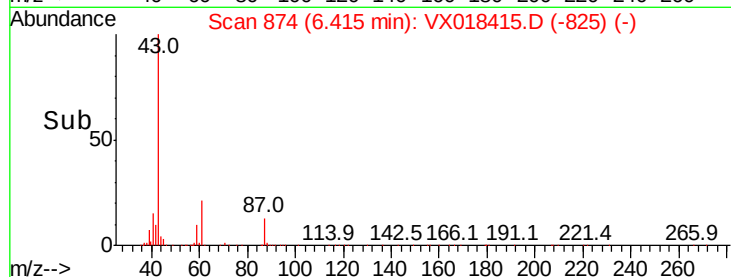
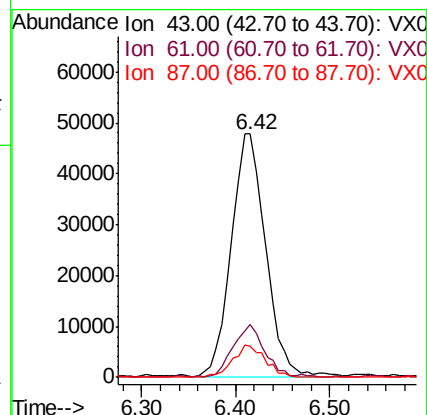
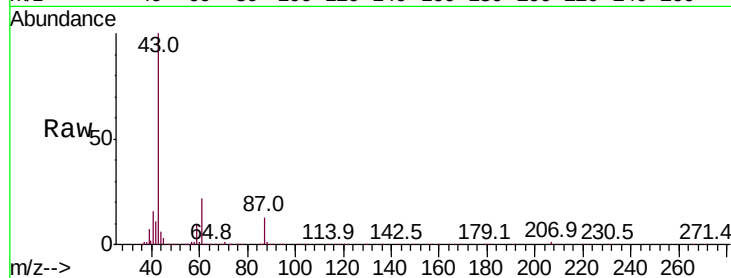
Tot Ion: 43 Resp: 120562

Ion Ratio Lower Upper

43 100

61 19.8 15.7 23.5

87 13.0 10.3 15.5



#48

Methyl methacrylate

Concen: 1.350 ug/l

RT: 7.66 min Scan# 1078

Delta R.T. -0.09 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

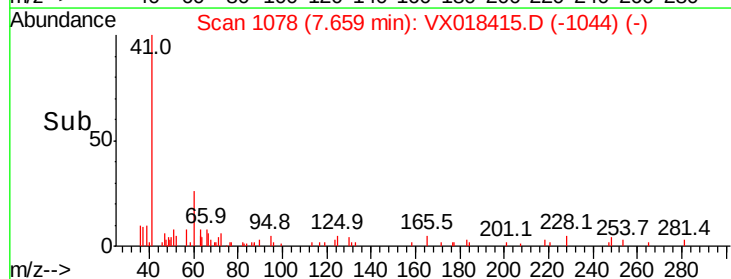
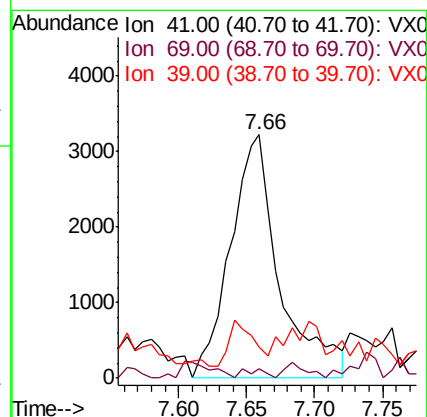
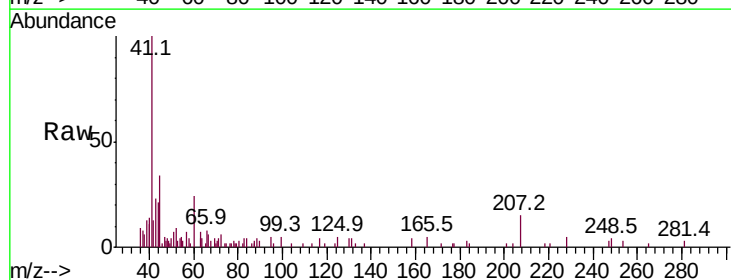
Tgt Ion: 41 Resp: 8123

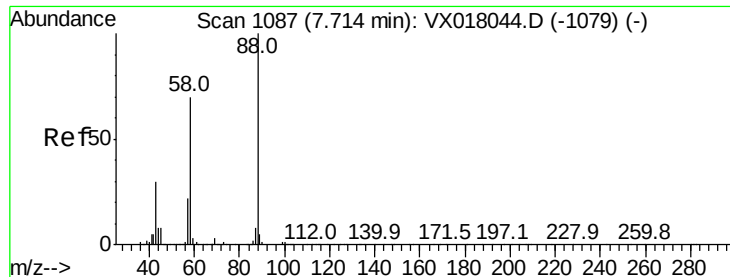
Ion Ratio Lower Upper

41 100

69 1.6 65.5 98.3#

39 0.0 44.5 66.7#





#49

1,4-Dioxane

Concen: 2.120 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#06

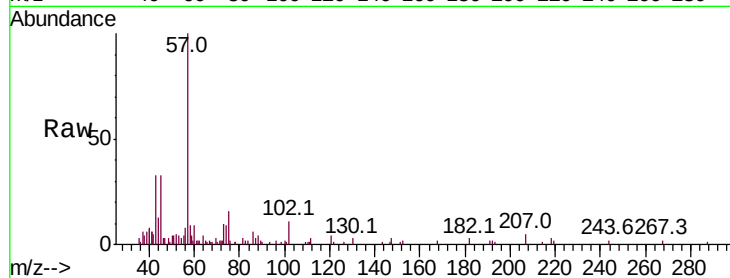
Tot Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

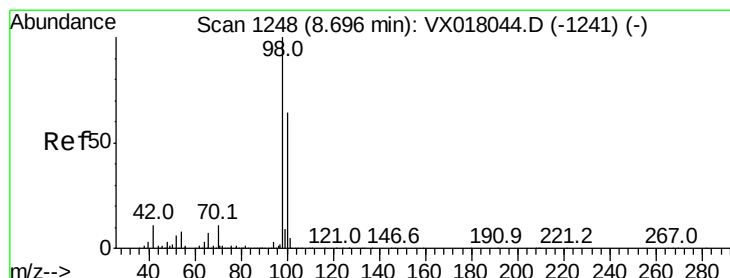
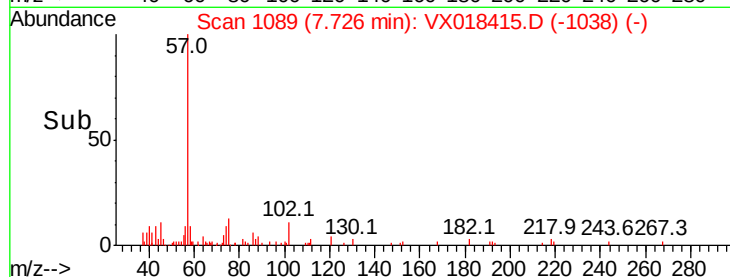
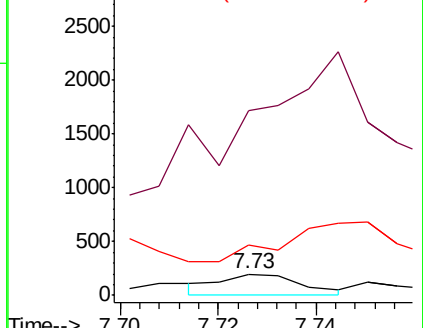
58 0.0 56.4 84.6#



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: 50.406 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018415.D

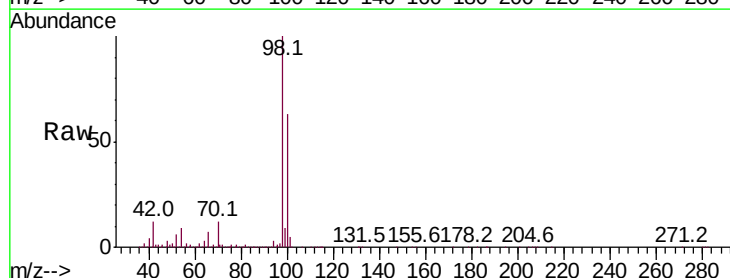
Acq: 15 Sep 2020 18:24

Tgt Ion: 98 Resp: 893128

Ion Ratio Lower Upper

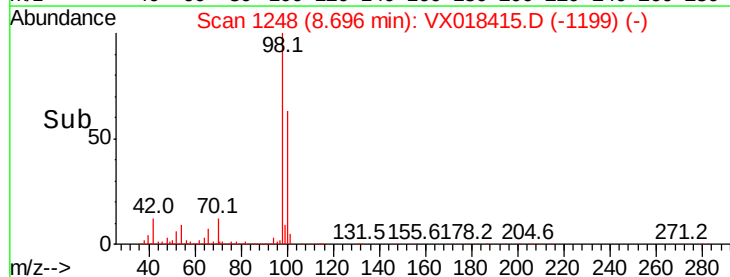
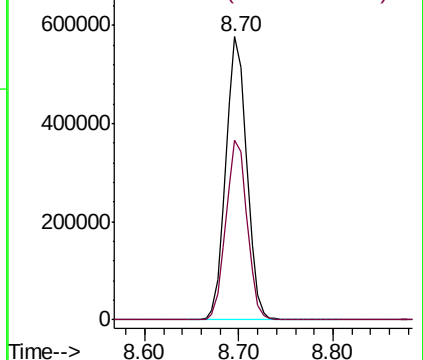
98 100

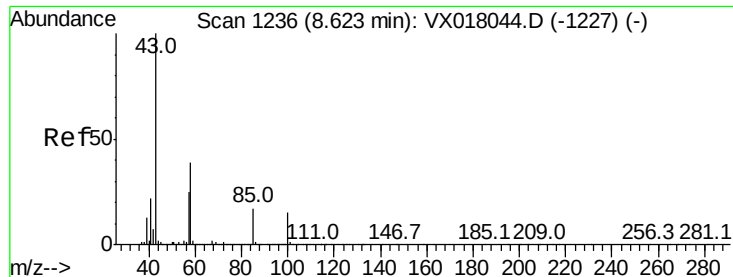
100 64.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 16.237 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

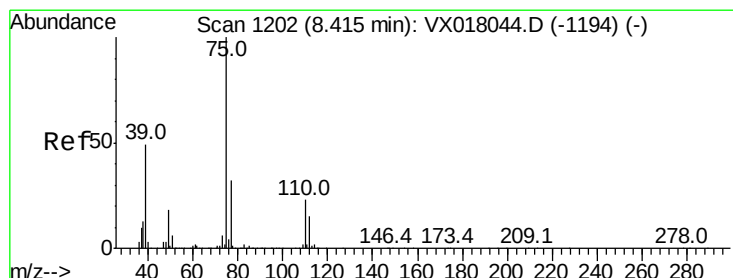
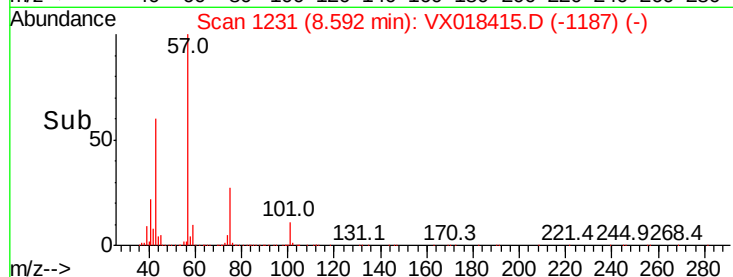
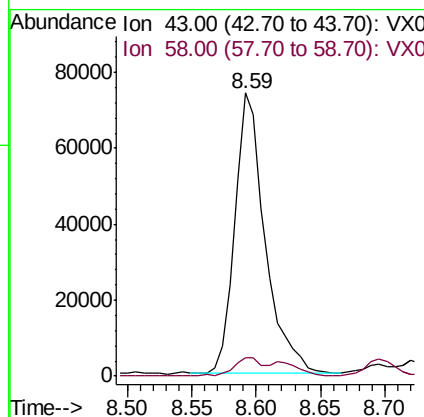
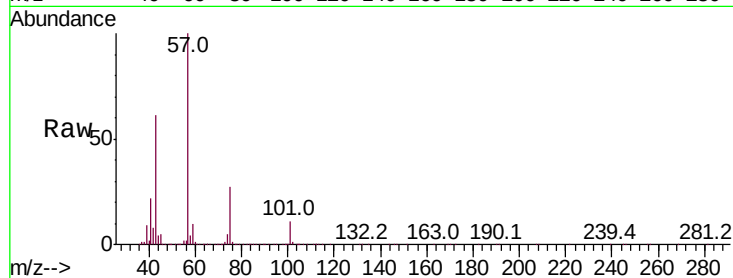
Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#06

Tot Ion: 43 Resp: 121219

Ion	Ratio	Lower	Upper
43	100		
58	6.4	30.7	46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.907 ug/l

RT: 8.59 min Scan# 1231

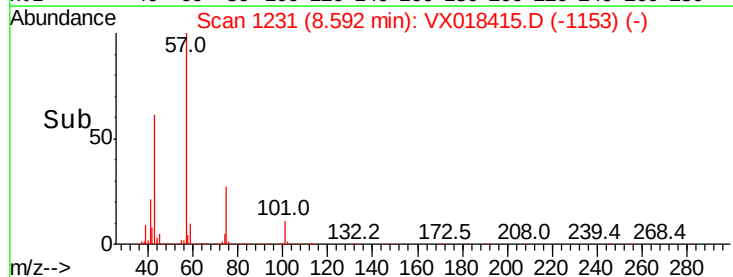
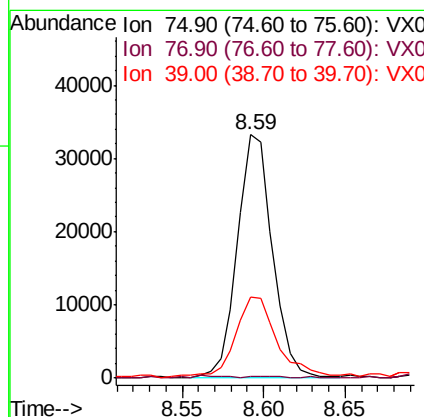
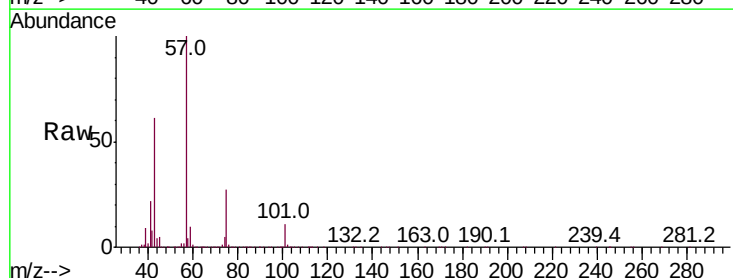
Delta R.T. 0.18 min

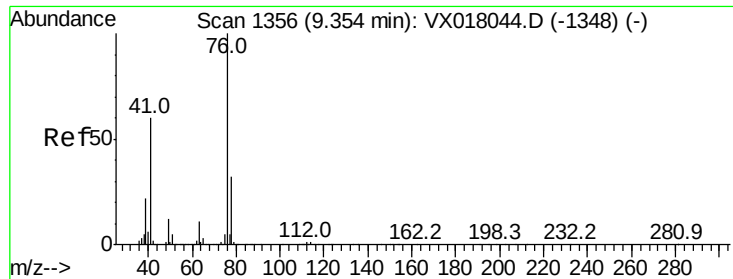
Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Tgt Ion: 75 Resp: 49686

Ion	Ratio	Lower	Upper
75	100		
77	0.3	25.8	38.8#
39	32.5	38.8	58.2#





#57

1,3-Dichloropropane

Concen: 1.205 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

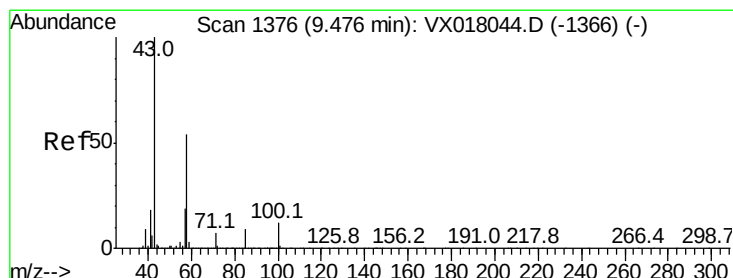
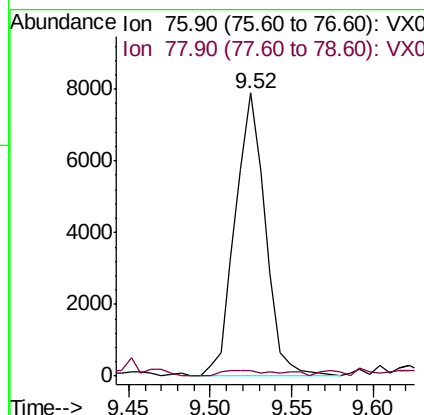
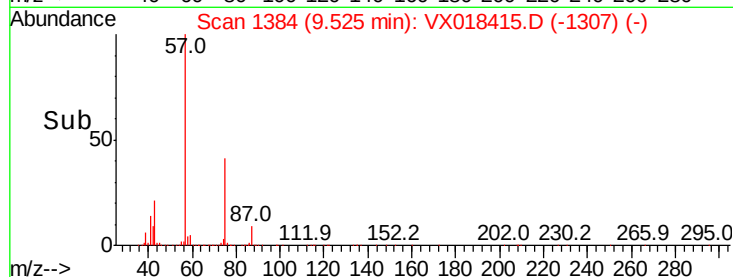
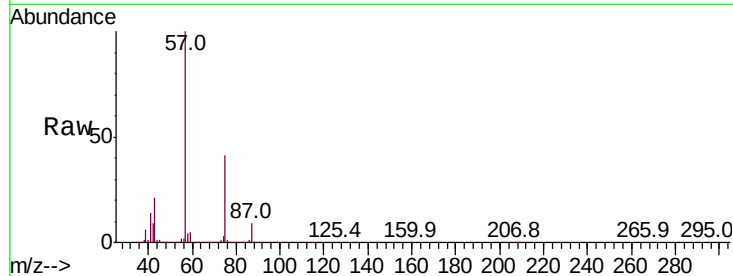
Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#06

Tot Ion: 76 Resp: 10173

Ion	Ratio	Lower	Upper
76	100		
78	3.1	25.8	38.6#



#59

2-Hexanone

Concen: 23.452 ug/l

RT: 9.52 min Scan# 1384

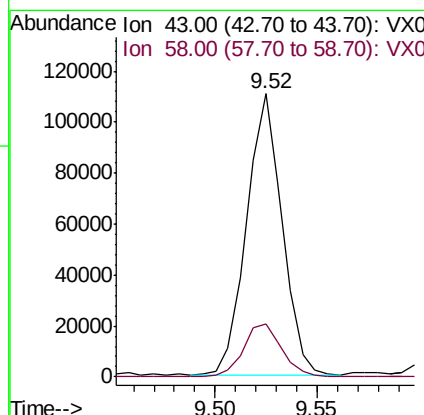
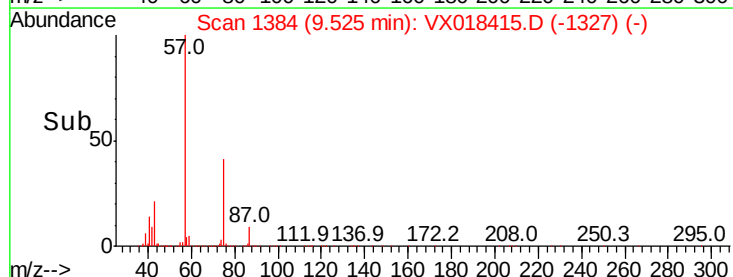
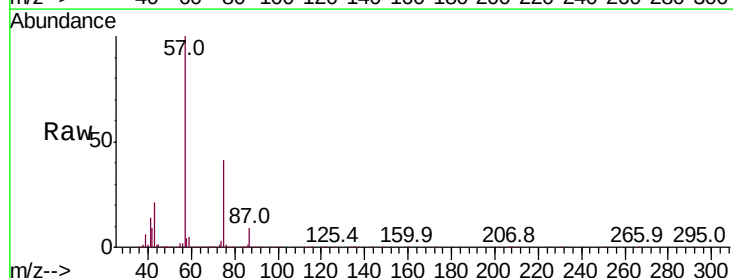
Delta R.T. 0.05 min

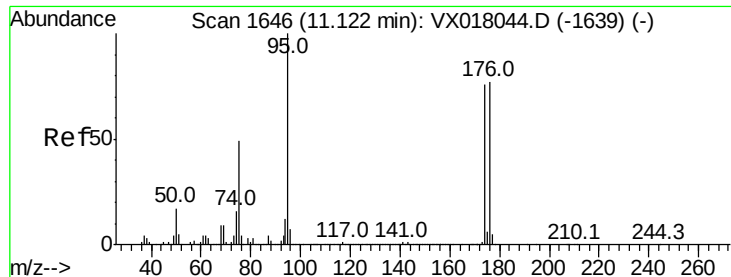
Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Tgt Ion: 43 Resp: 133132

Ion	Ratio	Lower	Upper
43	100		
58	20.2	26.6	79.7#

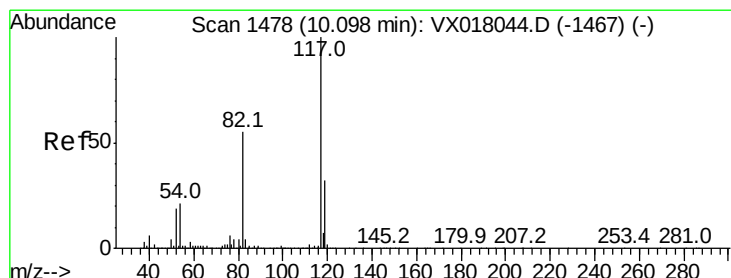
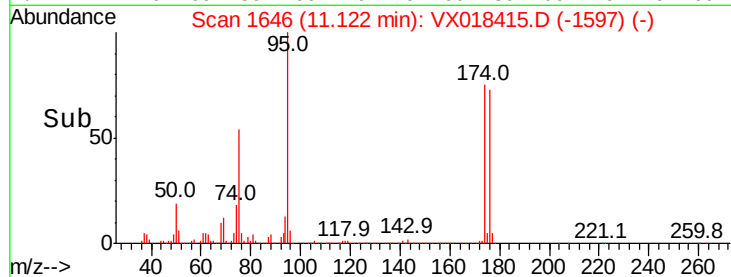
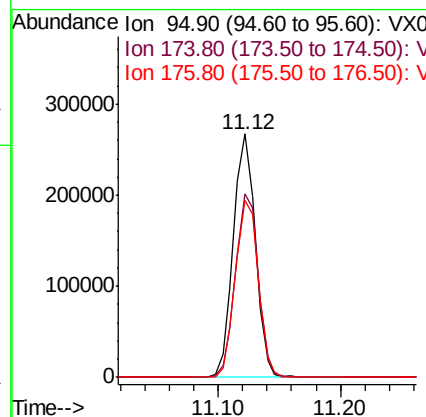
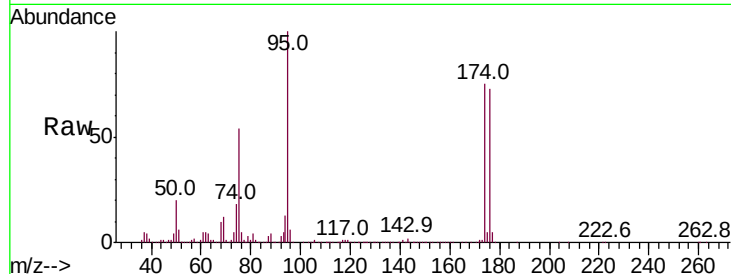




#62
 4-Bromofluorobenzene
 Concen: 47.545 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

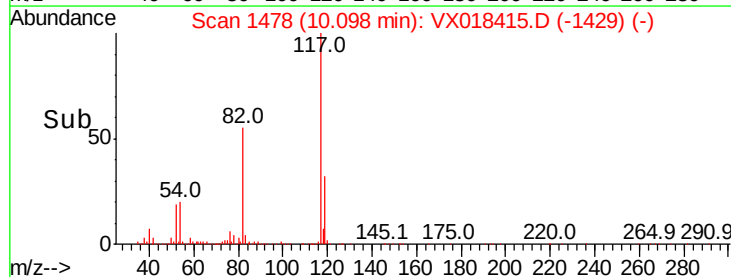
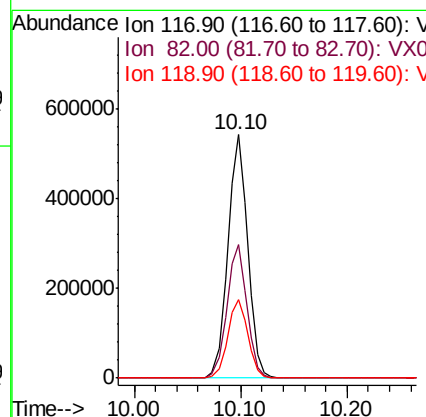
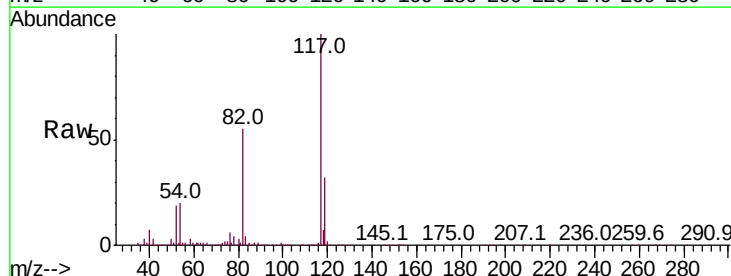
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#06

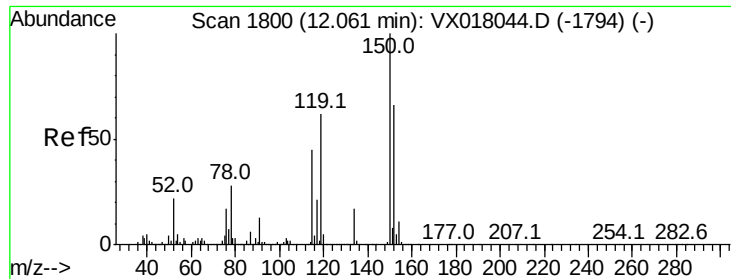
Tot Ion:	95	Resp:	331447
Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	160.2
176	75.6	0.0	155.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

Tgt Ion:	117	Resp:	705212
Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.2	66.2
119	32.0	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018415.D

Acq: 15 Sep 2020 18:24

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#06

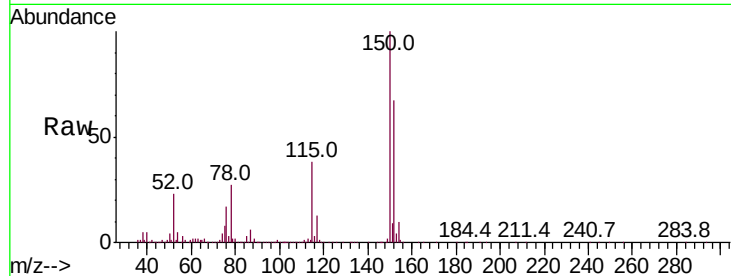
Tot Ion:152 Resp: 342828

Ion Ratio Lower Upper

152 100

115 57.8 41.5 124.5

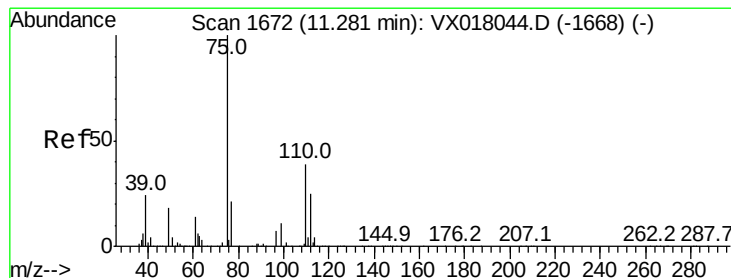
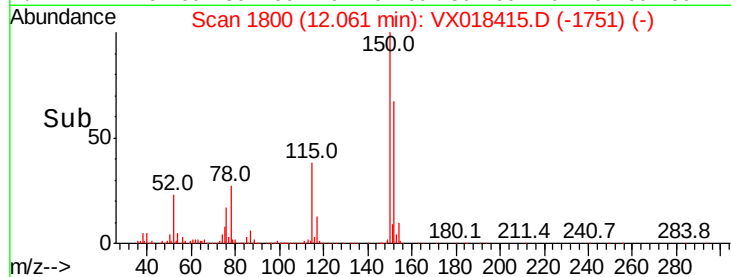
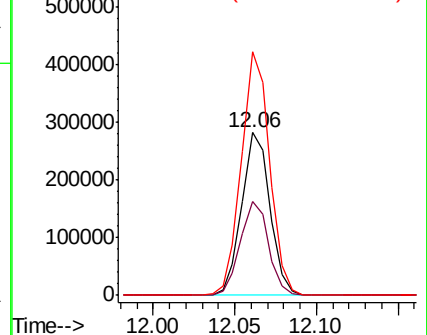
150 149.3 0.0 343.8



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



#76

1,2,3-Trichloropropane

Concen: 22.615 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018415.D

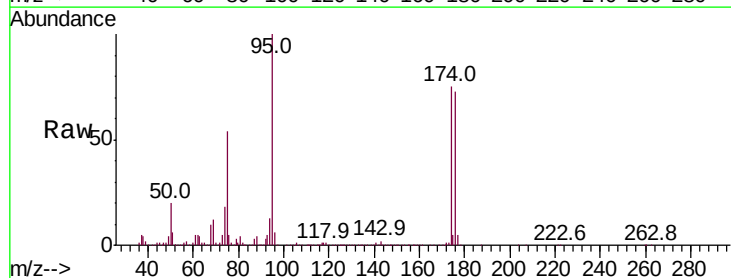
Acq: 15 Sep 2020 18:24

Tgt Ion: 75 Resp: 172472

Ion Ratio Lower Upper

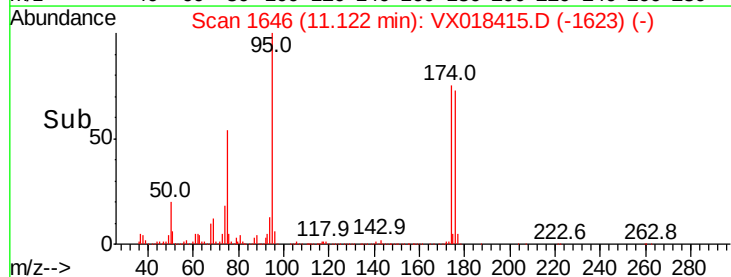
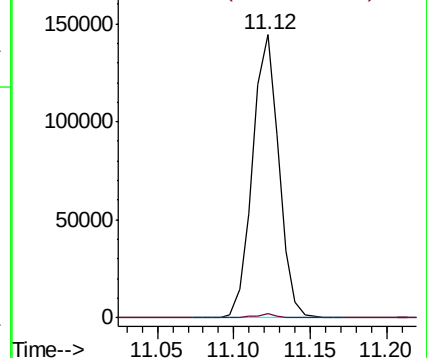
75 100

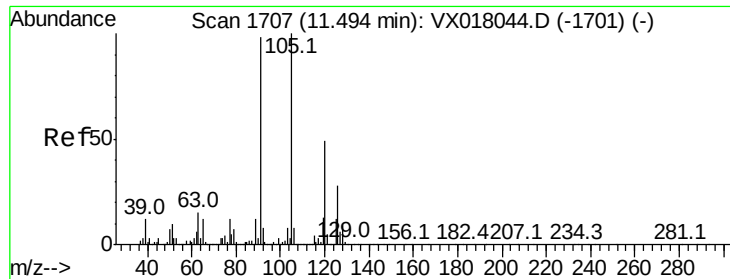
77 1.2 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

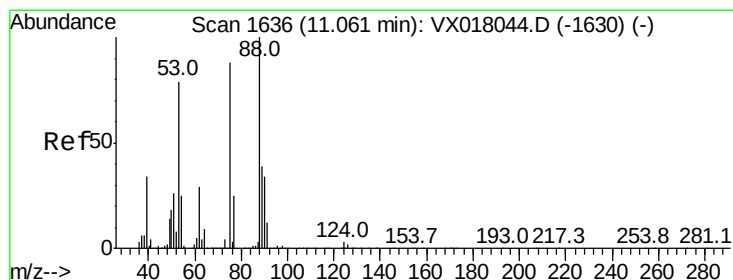
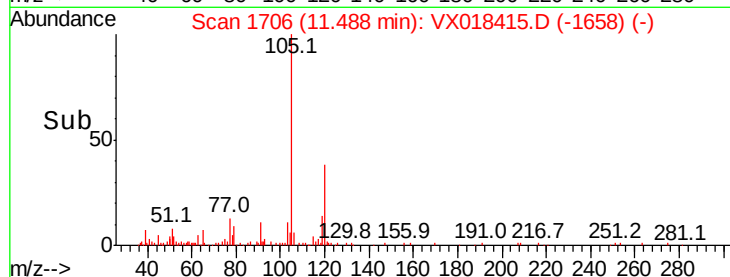
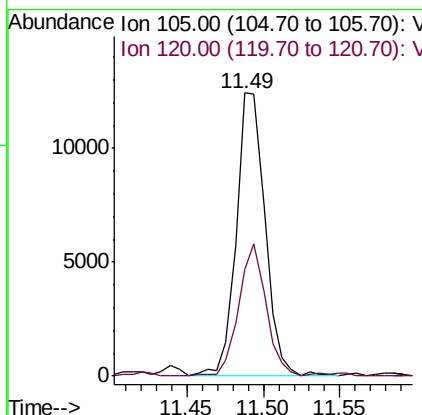
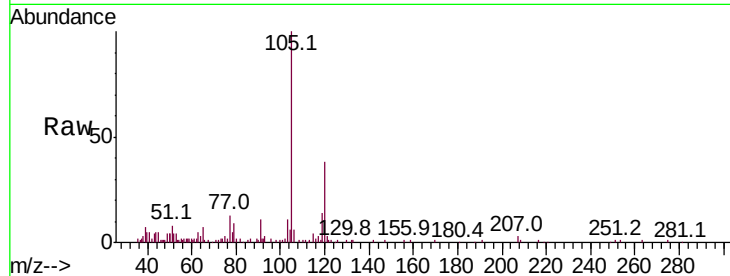




#80
 1,3,5-Trimethylbenzene
 Concen: 0.877 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#06

Tot Ion:105 Resp: 16288
 Ion Ratio Lower Upper
 105 100
 120 44.2 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.080 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018415.D
 Acq: 15 Sep 2020 18:24

Tgt Ion: 75 Resp: 172472
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.7 112.1#
 89 0.1 36.6 54.8#

