

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018385.D
 Acq On : 14 Sep 2020 15:50
 Operator : JC/SP
 Sample : L3952-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40614

Quant Time: Sep 16 05:07:31 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	5.64	168	441899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	701454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	665484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	322802	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	297824	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.46	113	239040	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.70	98	861246	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.12	95	307910	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	

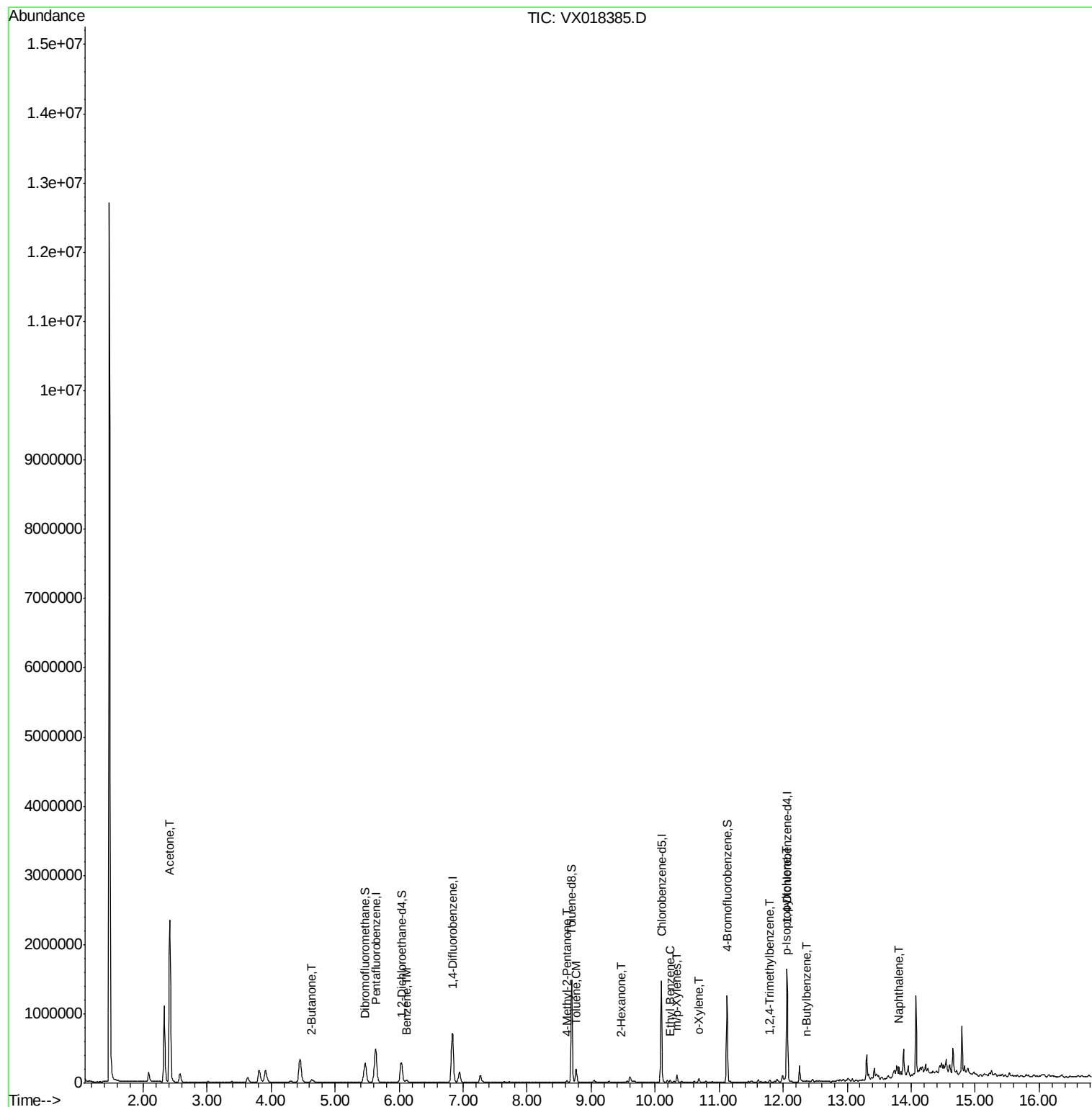
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	2448736	1024.383	ug/l	96
25) 2-Butanone	4.64	43	49103	12.499	ug/l #	89
40) Benzene	6.12	78	39998	2.104	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	14010	1.869	ug/l	98
52) Toluene	8.77	92	68973	5.722	ug/l	98
59) 2-Hexanone	9.47	43	2935	0.515	ug/l	88
67) Ethyl Benzene	10.24	91	11090	0.491	ug/l	98
68) m/p-Xylenes	10.34	106	21952	2.602	ug/l	99
69) o-Xylene	10.68	106	11187	1.368	ug/l	90
84) 1,2,4-Trimethylbenzene	11.79	105	11233	0.628	ug/l	74
86) p-Isopropyltoluene	12.05	119	93842	5.203	ug/l	95
89) n-Butylbenzene	12.37	91	5227	0.318	ug/l	89
95) Naphthalene	13.82	128	11559	0.541	ug/l #	87

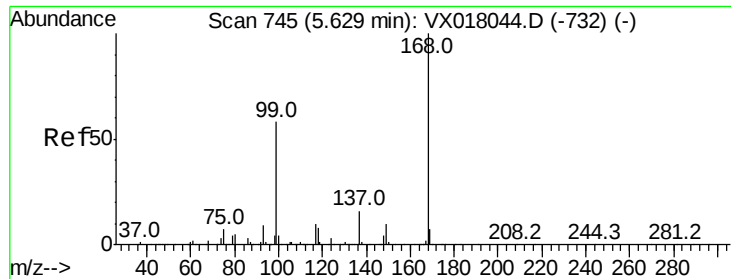
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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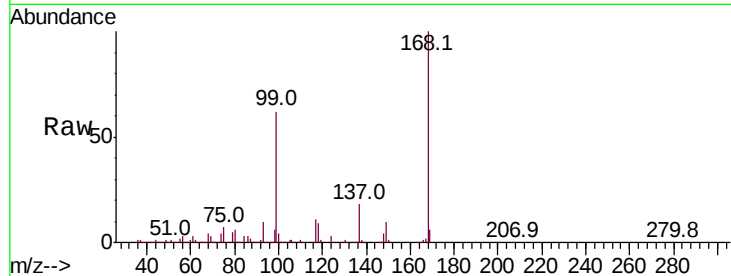


#1

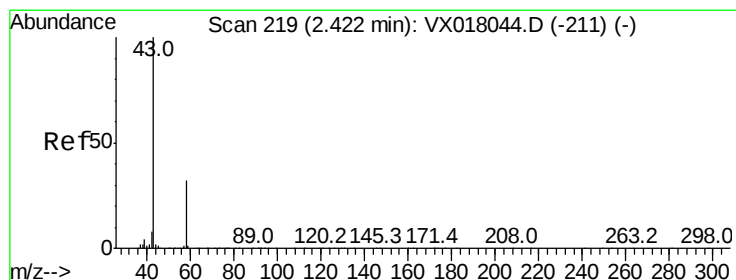
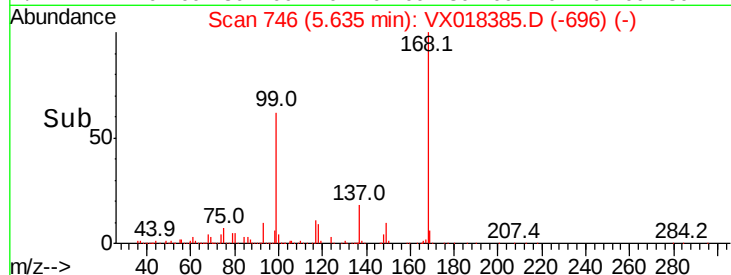
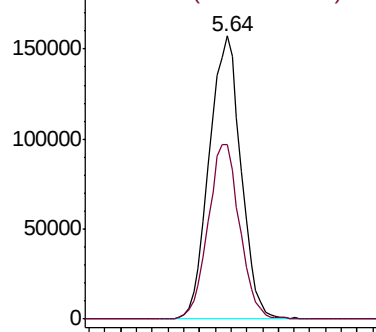
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VX018385.D
 Acq: 14 Sep 2020 15:50

Instrument :
 MSVOA_X
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 40614

Tot Ion:168 Resp: 441899
 Ion Ratio Lower Upper
 168 100
 99 61.4 46.3 69.5



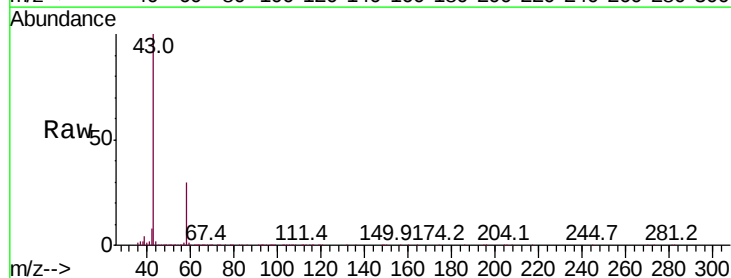
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



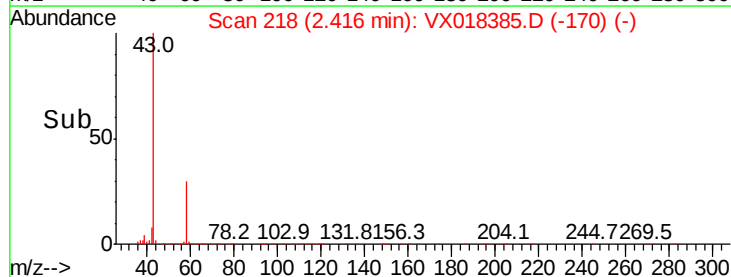
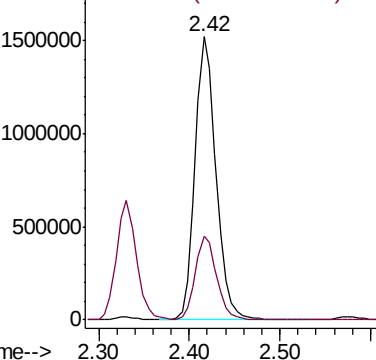
#16

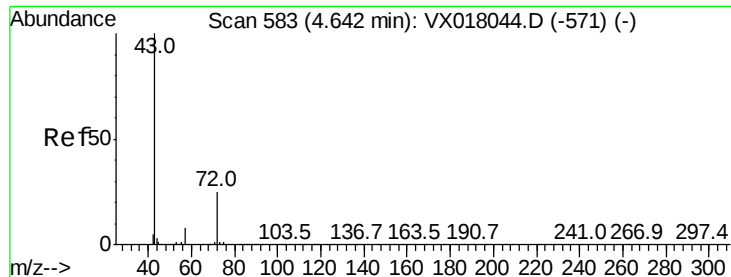
Acetone
 Concen: 1024.383 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX018385.D
 Acq: 14 Sep 2020 15:50

Tgt Ion: 43 Resp: 2448736
 Ion Ratio Lower Upper
 43 100
 58 29.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 12.499 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

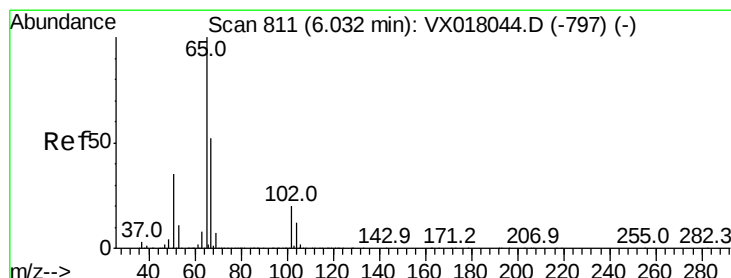
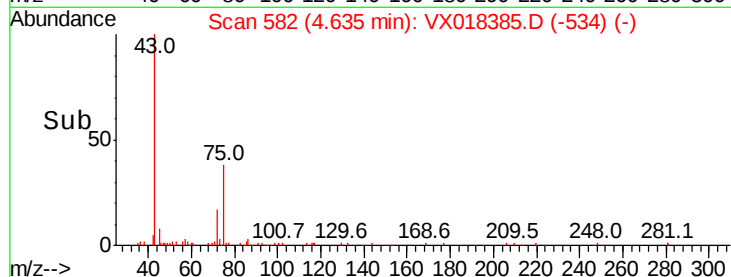
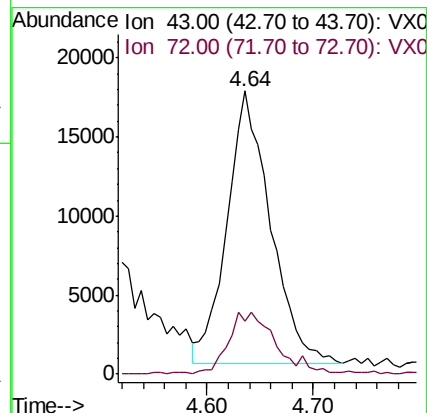
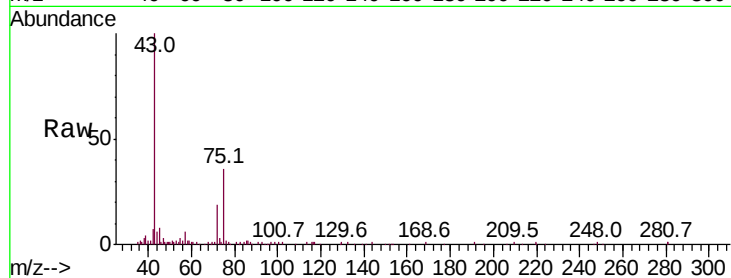
40614

Tot Ion: 43 Resp: 49103

Ion Ratio Lower Upper

43 100

72 19.1 19.8 29.6#



#33

1,2-Dichloroethane-d4

Concen: 48.548 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018385.D

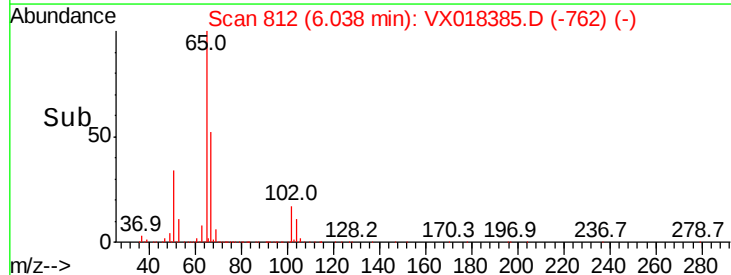
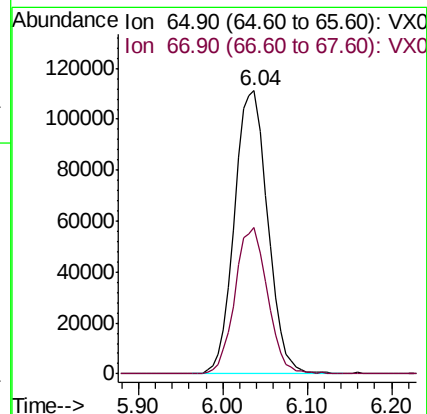
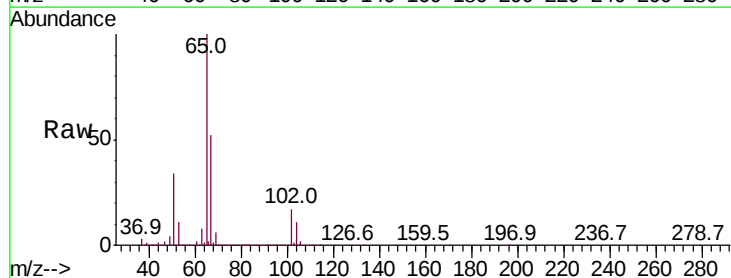
Acq: 14 Sep 2020 15:50

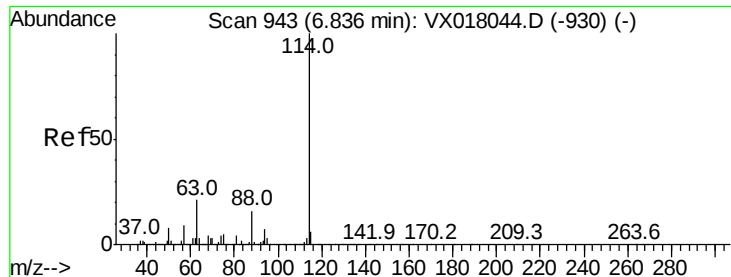
Tgt Ion: 65 Resp: 297824

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

40614

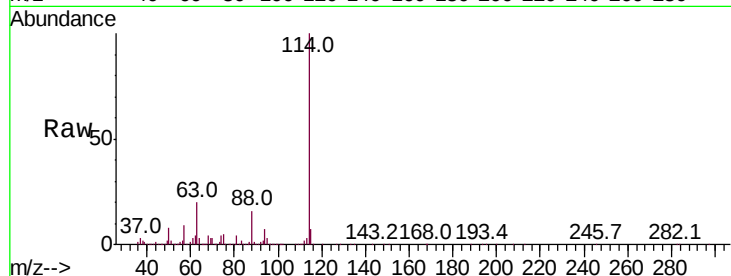
Tot Ion:114 Resp: 701454

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

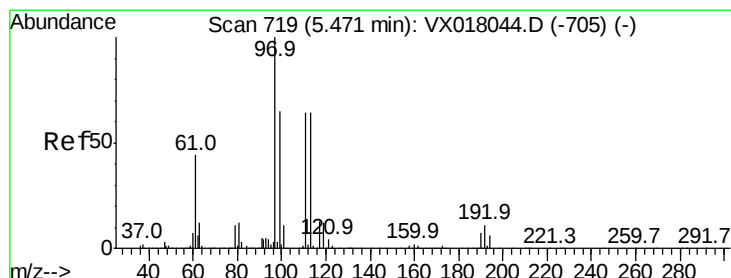
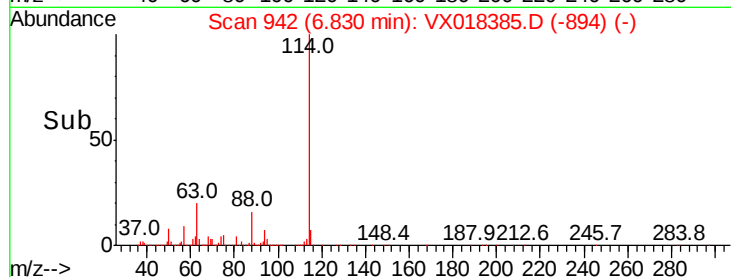
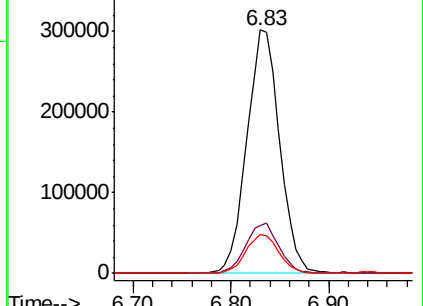
88 15.9 0.0 31.8



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: 50.037 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

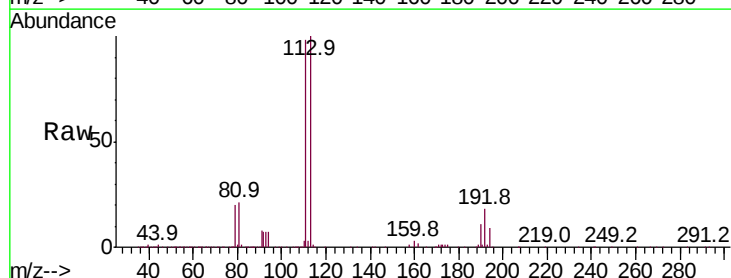
Tgt Ion:113 Resp: 239040

Ion Ratio Lower Upper

113 100

111 104.2 81.6 122.4

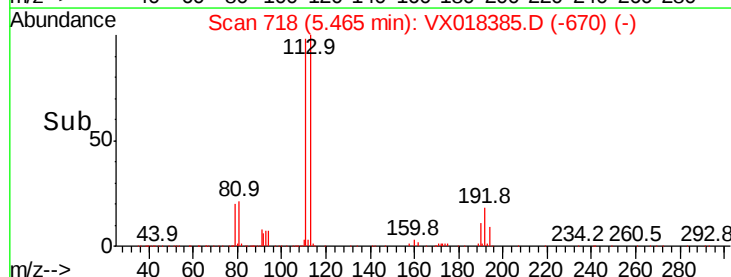
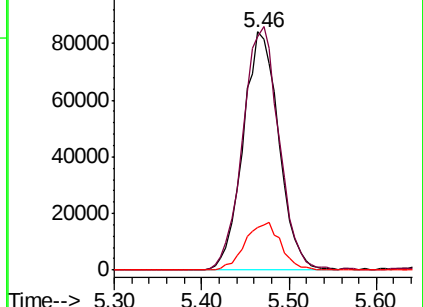
192 20.3 15.8 23.8

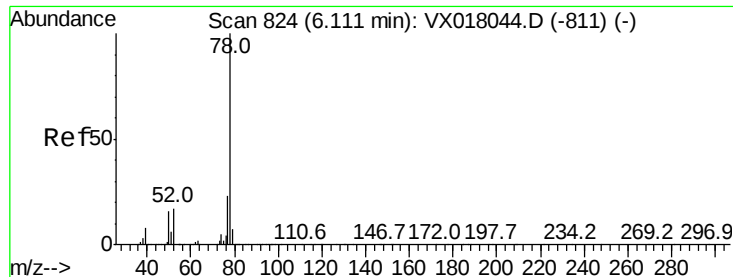


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.104 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

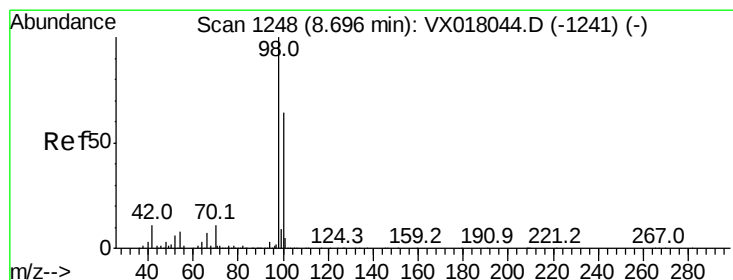
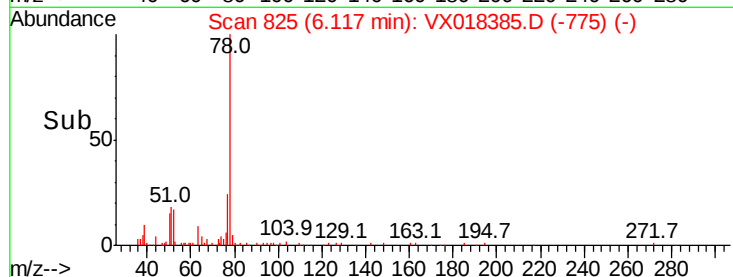
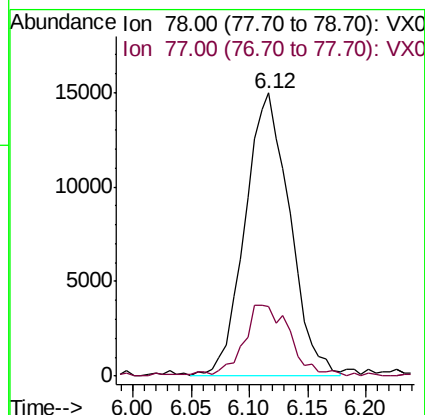
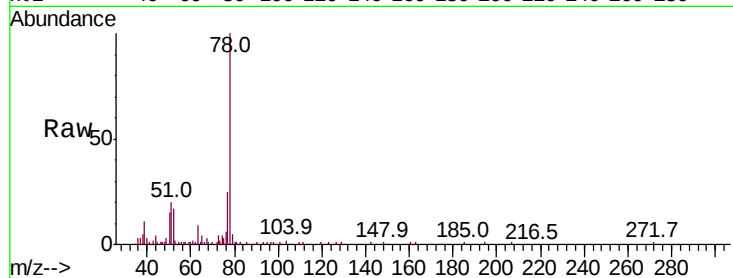
40614

Tot Ion: 78 Resp: 39998

Ion Ratio Lower Upper

78 100

77 24.0 18.2 27.2



#50

Toluene-d8

Concen: 48.403 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018385.D

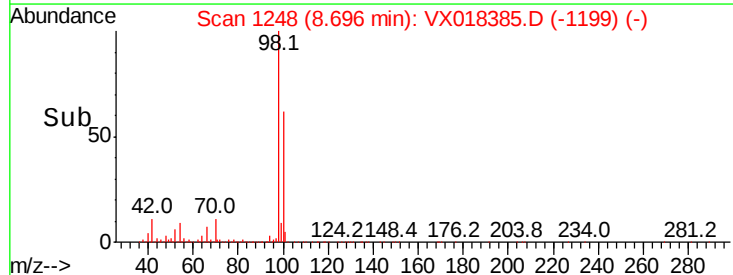
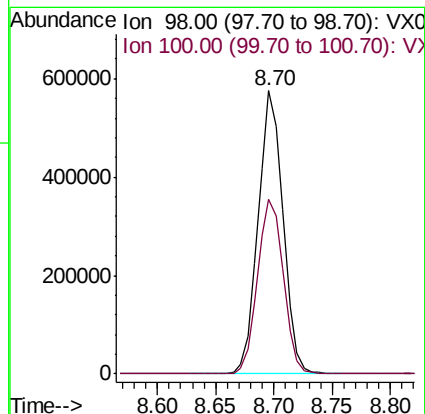
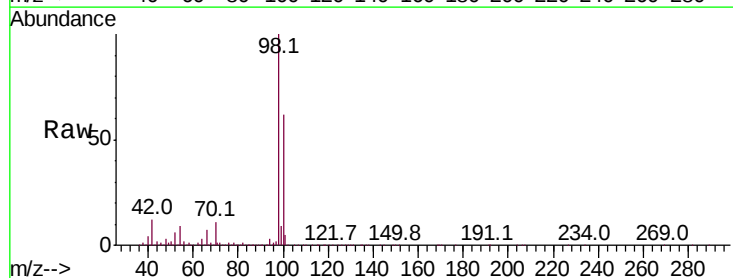
Acq: 14 Sep 2020 15:50

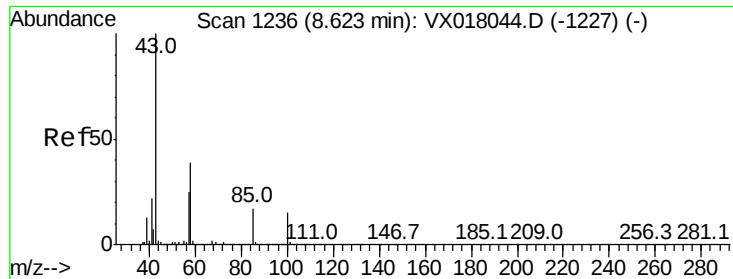
Tgt Ion: 98 Resp: 861246

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.869 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

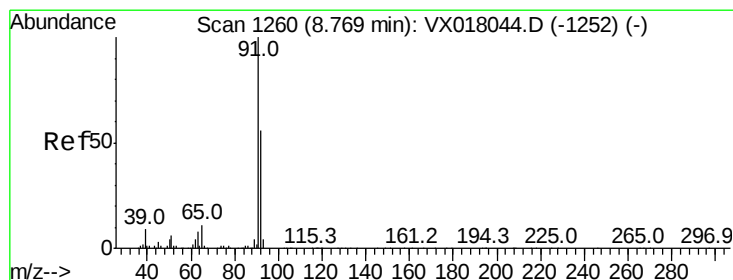
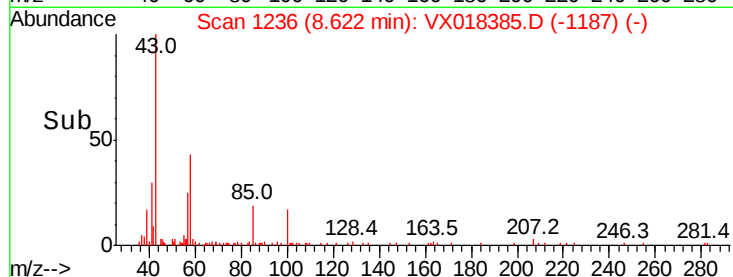
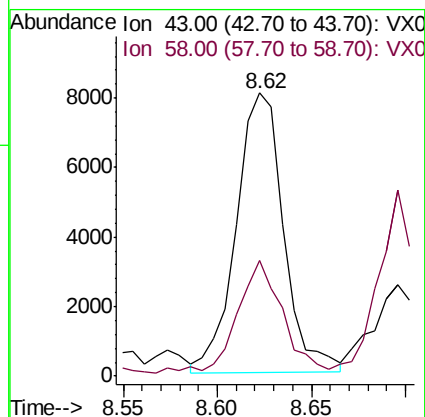
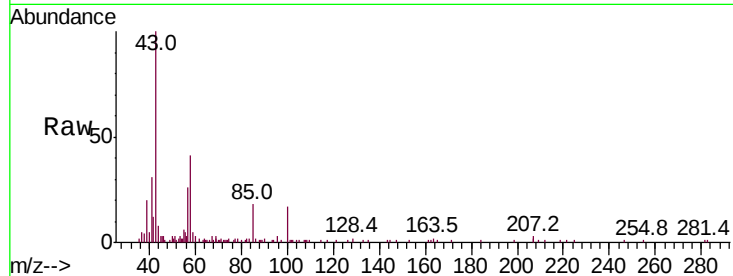
40614

Tot Ion: 43 Resp: 14010

Ion Ratio Lower Upper

43 100

58 39.6 30.7 46.1



#52

Toluene

Concen: 5.722 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018385.D

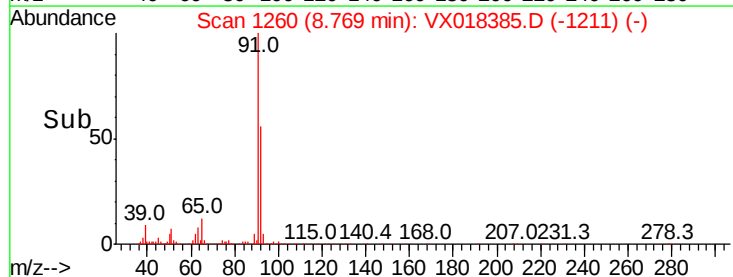
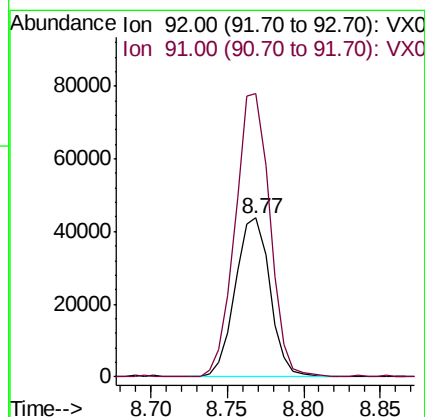
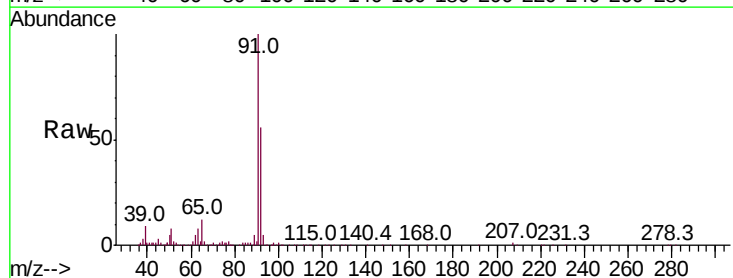
Acq: 14 Sep 2020 15:50

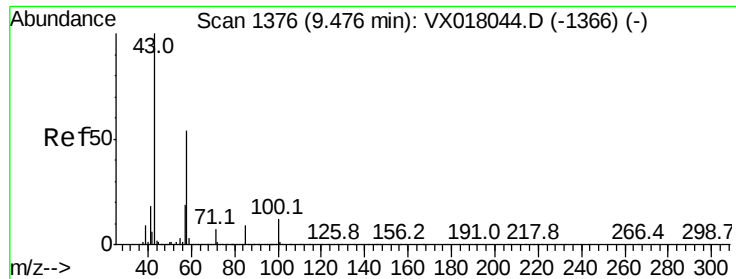
Tgt Ion: 92 Resp: 68973

Ion Ratio Lower Upper

92 100

91 178.2 140.3 210.5

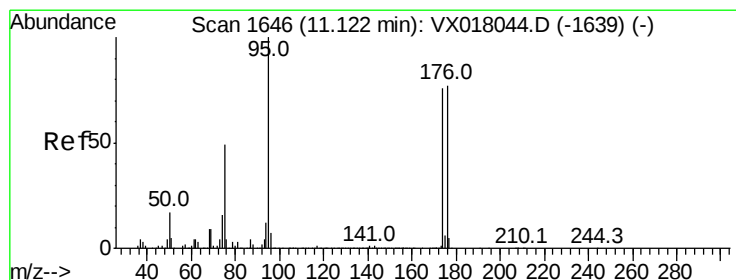
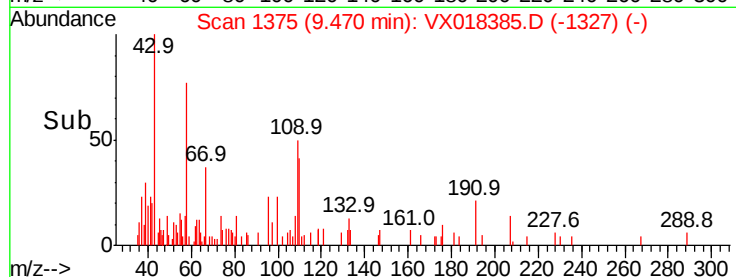
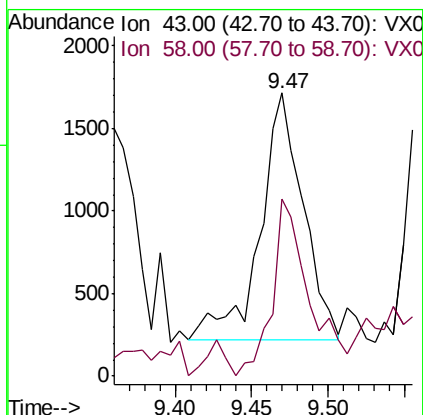
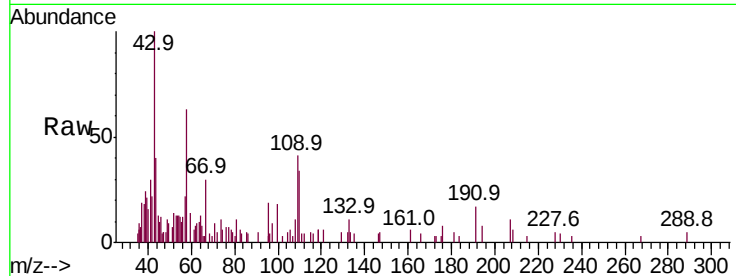




#59
2-Hexanone
Concen: 0.515 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018385.D
Acq: 14 Sep 2020 15:50

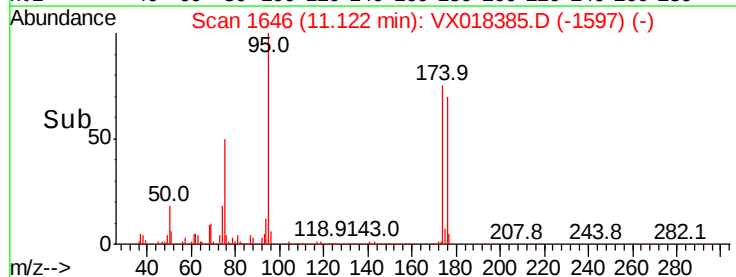
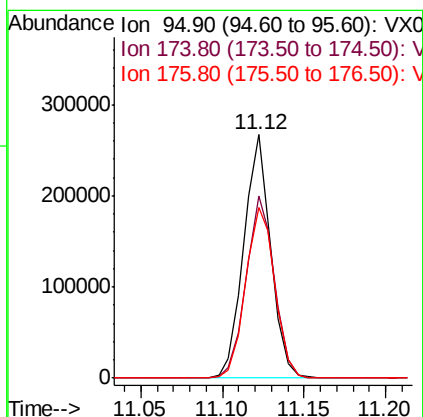
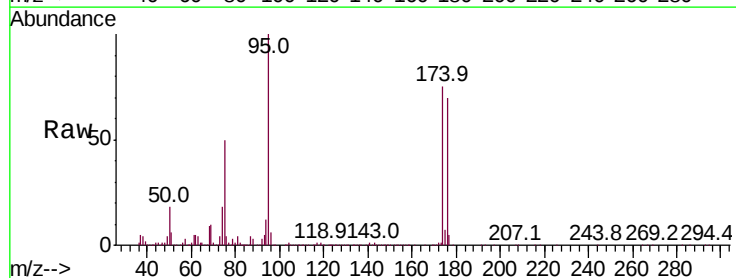
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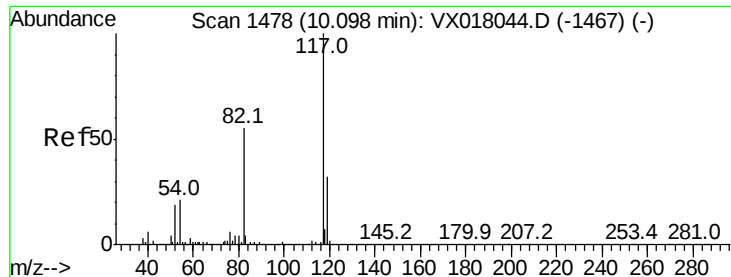
Tot Ion: 43 Resp: 2935
Ion Ratio Lower Upper
43 100
58 61.7 26.6 79.7



#62
4-Bromofluorobenzene
Concen: 43.984 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018385.D
Acq: 14 Sep 2020 15:50

Tgt Ion: 95 Resp: 307910
Ion Ratio Lower Upper
95 100
174 78.6 0.0 160.2
176 76.1 0.0 155.8

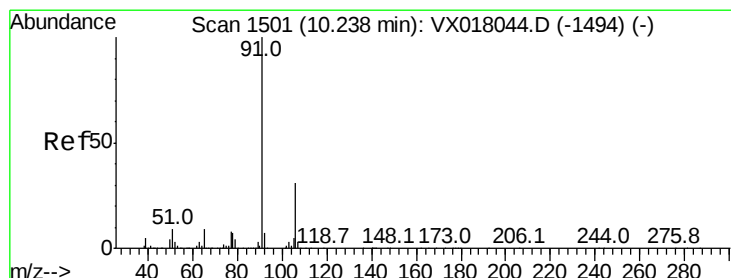
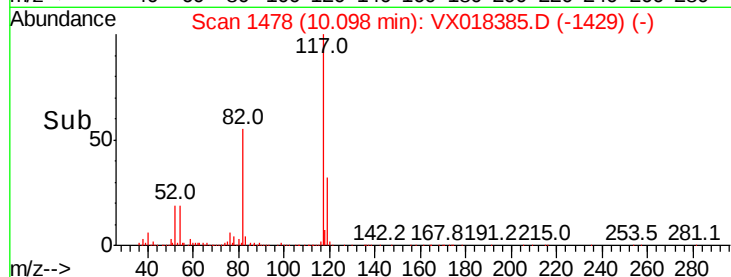
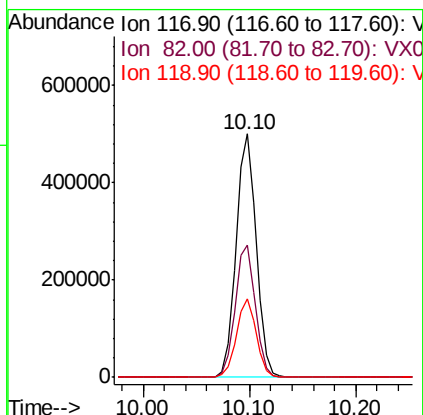
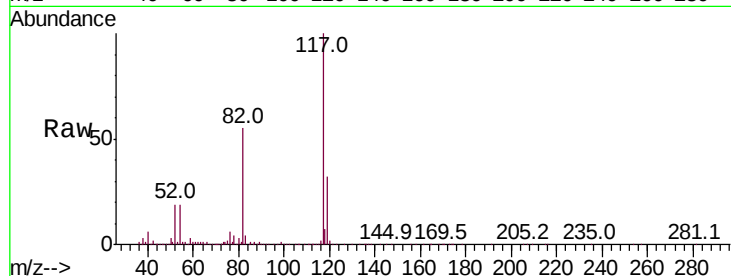




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018385.D
Acq: 14 Sep 2020 15:50

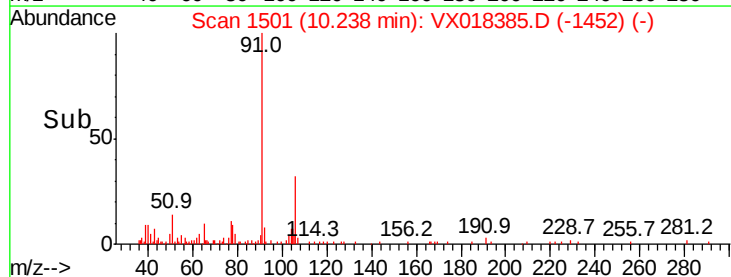
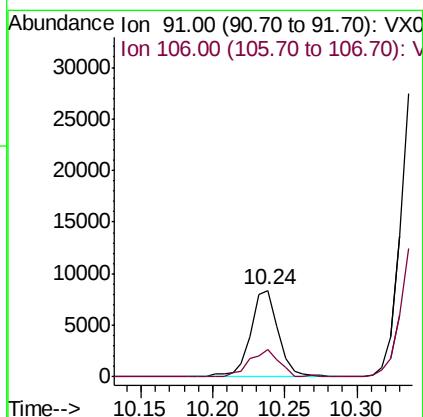
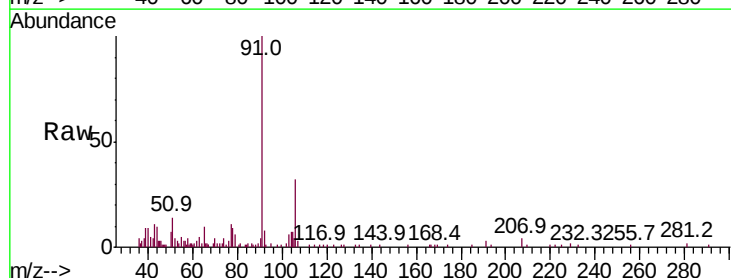
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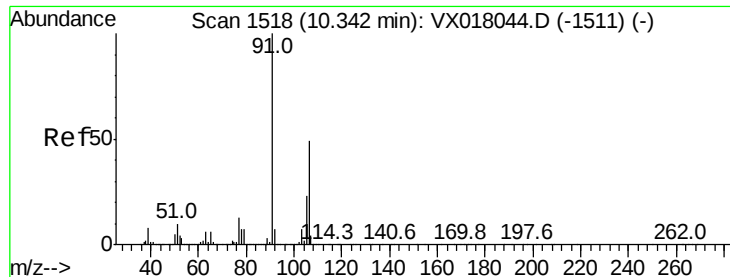
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.2	66.2
119	32.0	25.7	38.5



#67
Ethyl Benzene
Concen: 0.491 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX018385.D
Acq: 14 Sep 2020 15:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.9	37.3





#68

m/p-Xylenes

Concen: 2.602 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

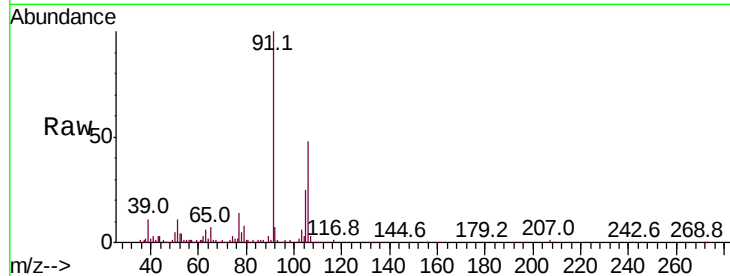
40614

Tot Ion:106 Resp: 21952

Ion Ratio Lower Upper

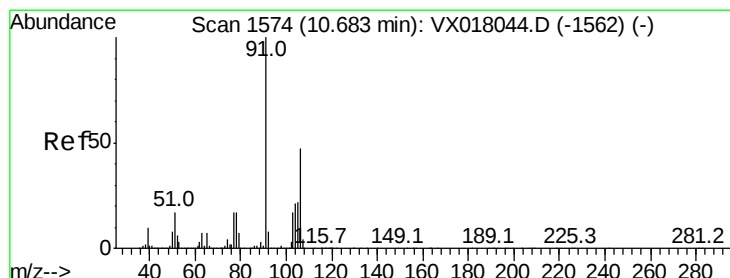
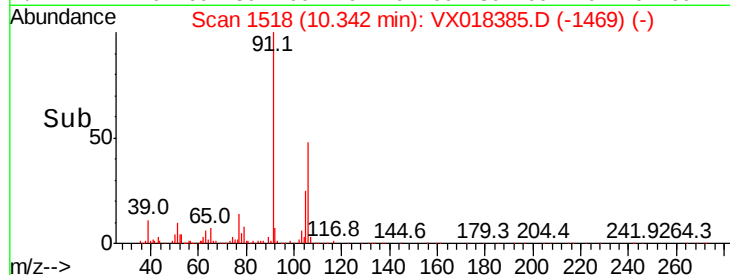
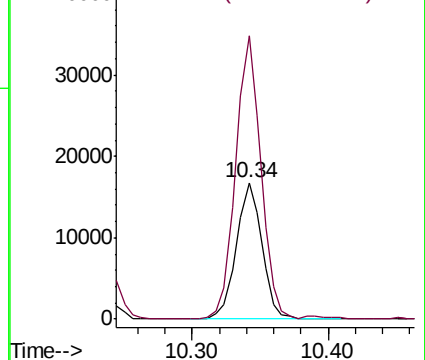
106 100

91 204.9 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.368 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018385.D

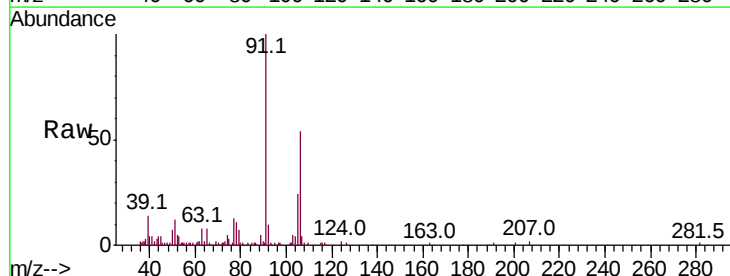
Acq: 14 Sep 2020 15:50

Tgt Ion:106 Resp: 11187

Ion Ratio Lower Upper

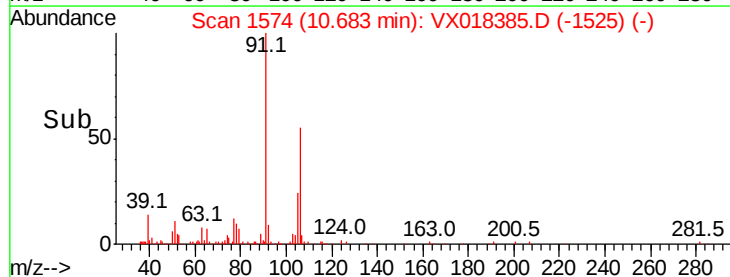
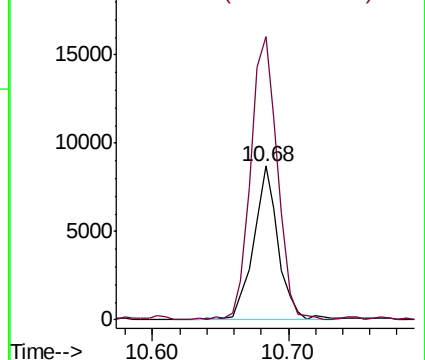
106 100

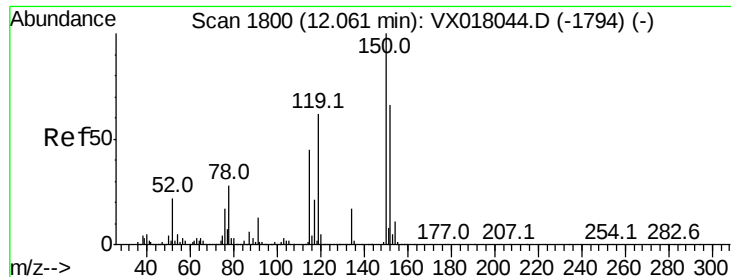
91 198.2 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

Instrument :

MSVOA_X

ClientSampled :

40614

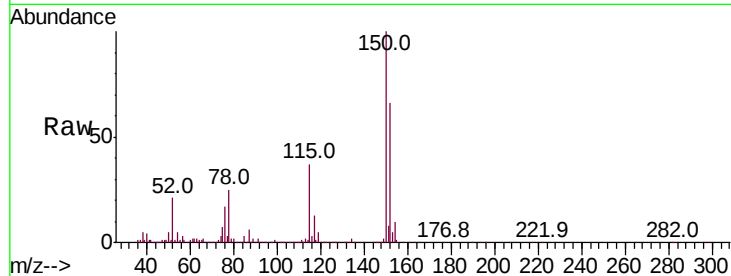
Tot Ion:152 Resp: 322802

Ion Ratio Lower Upper

152 100

115 59.8 41.5 124.5

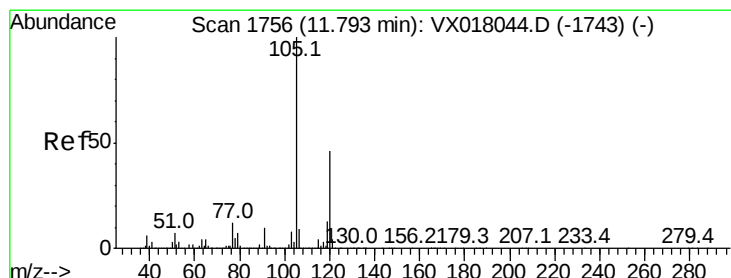
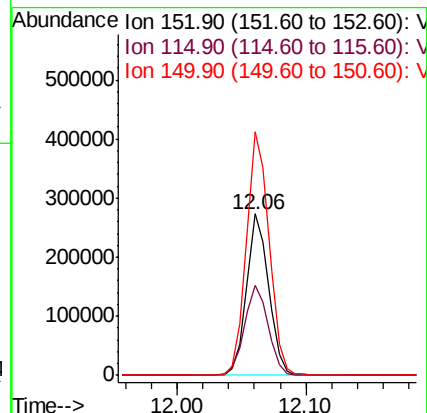
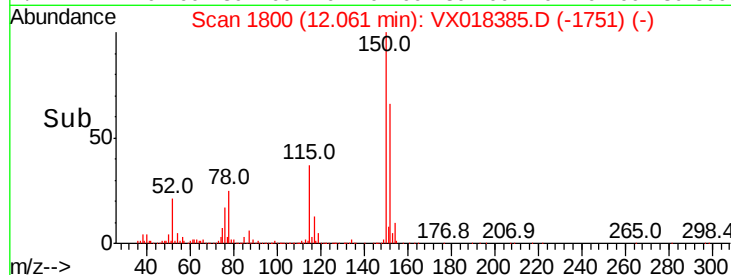
150 154.7 0.0 343.8



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



#84

1,2,4-Trimethylbenzene

Concen: 0.628 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018385.D

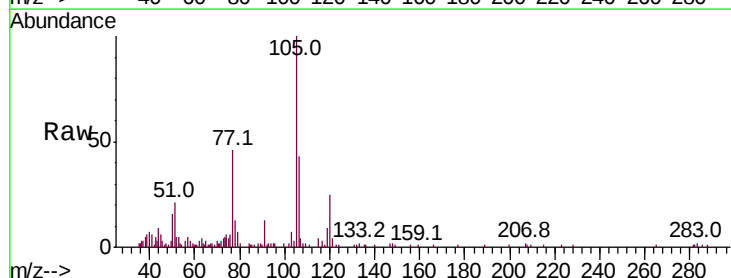
Acq: 14 Sep 2020 15:50

Tgt Ion:105 Resp: 11233

Ion Ratio Lower Upper

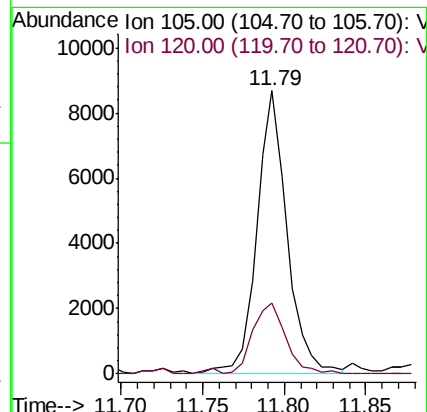
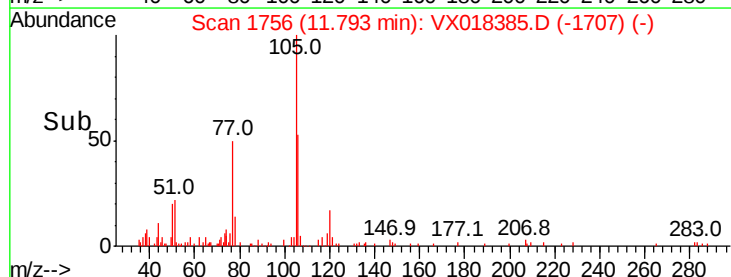
105 100

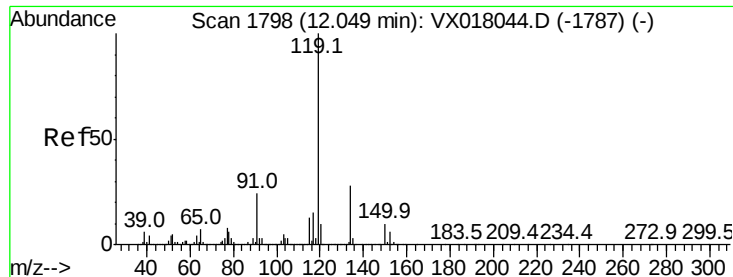
120 27.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

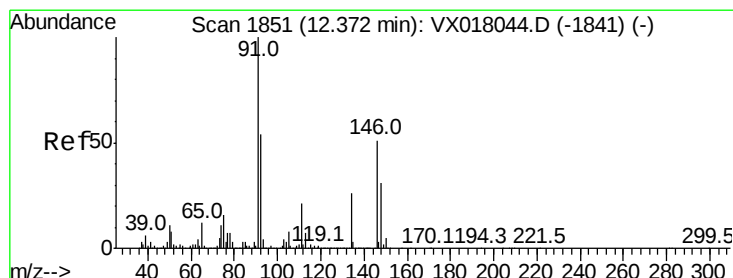
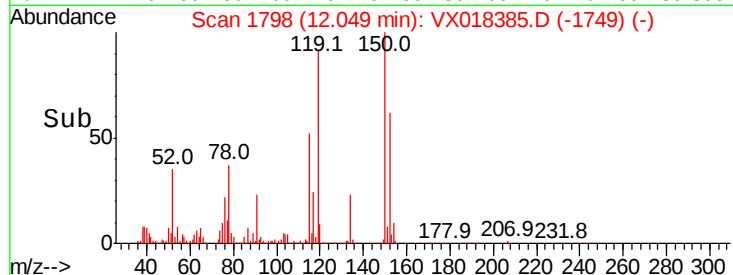
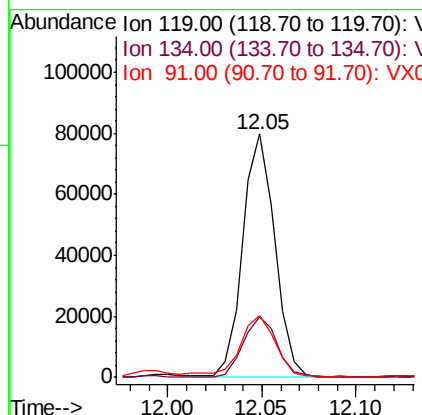
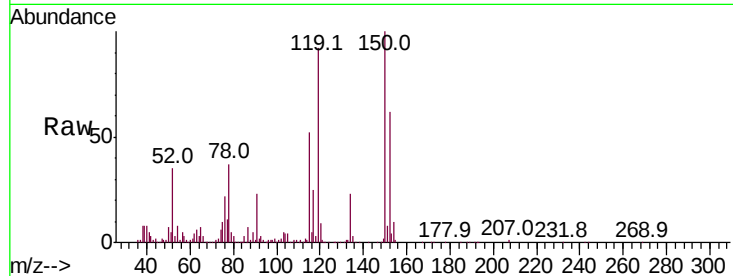




#86
 p-Isopropyltoluene
 Concen: 5.203 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX018385.D
 Acq: 14 Sep 2020 15:50

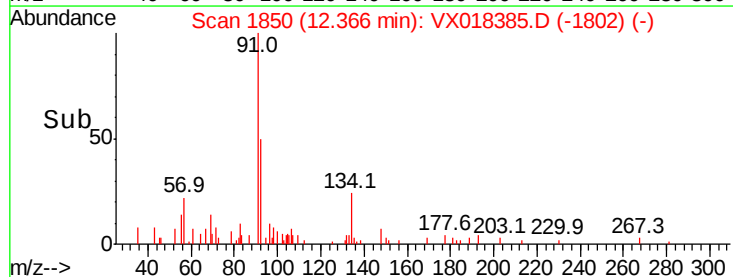
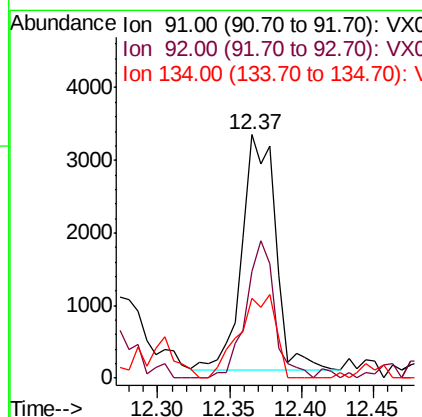
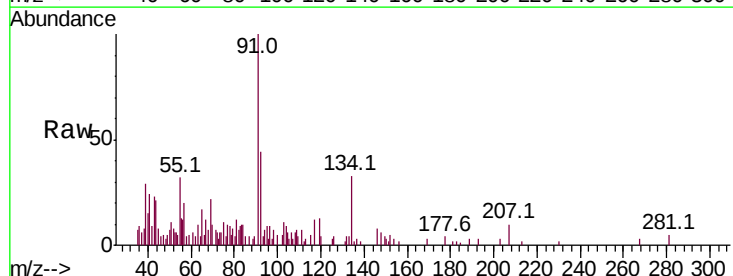
Instrument :
 MSVOA_X
 ClientSampled :
 40614

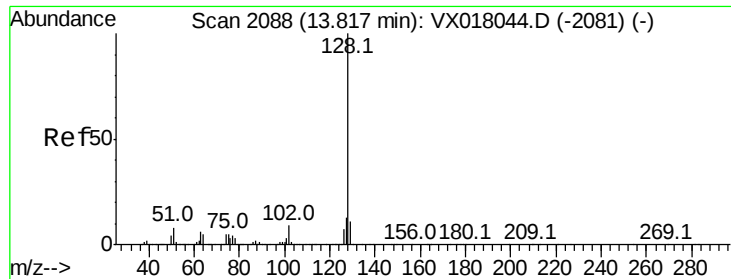
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.5
91	28.3	11.8	35.4



#89
 n-Butylbenzene
 Concen: 0.318 ug/l
 RT: 12.37 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: VX018385.D
 Acq: 14 Sep 2020 15:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.4	79.2
134	38.5	12.9	38.7





#95

Naphthalene

Concen: 0.541 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018385.D

Acq: 14 Sep 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

40614

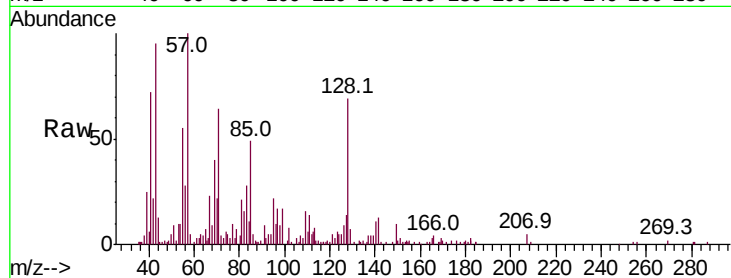
Tot Ion:128 Resp: 11559

Ion Ratio Lower Upper

128 100

127 20.1 10.2 15.2#

129 8.7 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

