

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015511.D
 Acq On : 06 Apr 2020 14:41
 Operator : JC/SP
 Sample : L2097-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40851

Quant Time: Apr 07 06:32:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1109636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1802988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1747638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1016844	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	747740	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	5.47	113	574255	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	8.70	98	2183367	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.12	95	983541	57.03	ug/l	0.00
Spiked Amount			Recovery	=	114.06%	

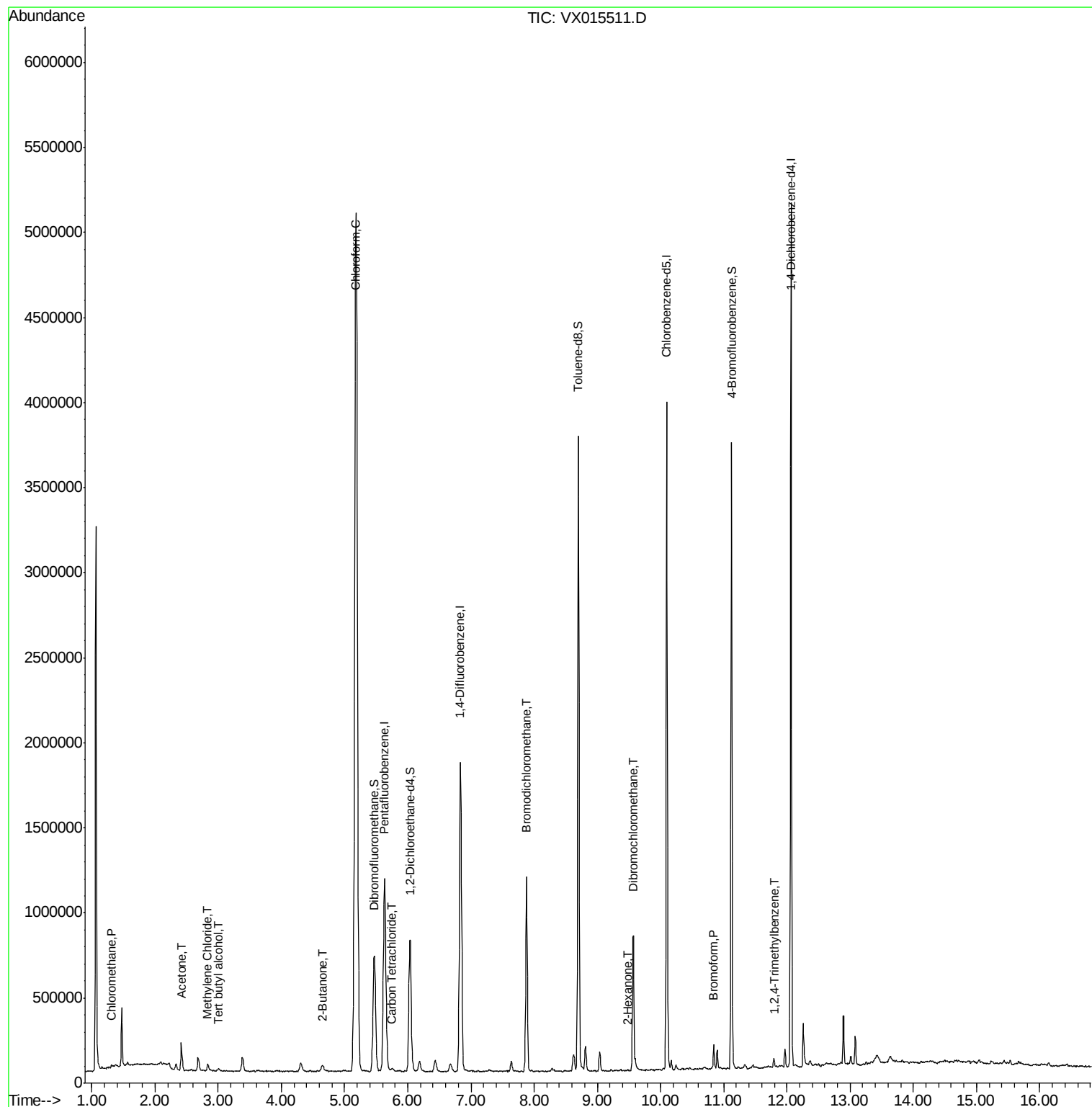
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	7243	0.582	ug/l	96
11) Tert butyl alcohol	3.01	59	16015	4.275	ug/l #	85
16) Acetone	2.42	43	172371	25.636	ug/l	99
20) Methylene Chloride	2.83	84	19173	1.527	ug/l	89
25) 2-Butanone	4.65	43	36224	3.350	ug/l	91
30) Chloroform	5.18	83	5893424	268.224	ug/l	95
38) Carbon Tetrachloride	5.75	117	11966	0.665	ug/l	84
47) Bromodichloromethane	7.88	83	719559	38.671	ug/l	99
59) 2-Hexanone	9.48	43	6462	0.414	ug/l	70
60) Dibromochloromethane	9.57	129	302441	20.476	ug/l	99
71) Bromoform	10.84	173	49762	3.926	ug/l #	89
84) 1,2,4-Trimethylbenzene	11.79	105	16611m	0.286	ug/l	

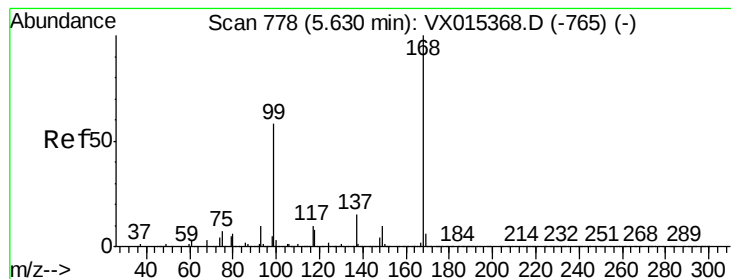
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015511.D

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Instrument :

MSVOA_X

ClientSampleId :

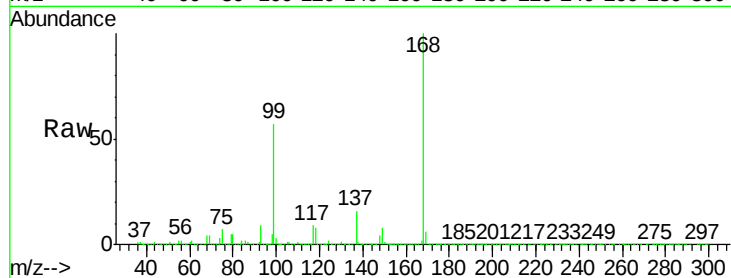
40851

Tot Ion:168 Resp: 1109636

Ion Ratio Lower Upper

168 100

99 57.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

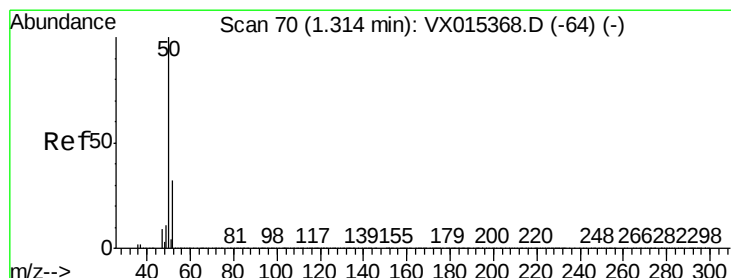
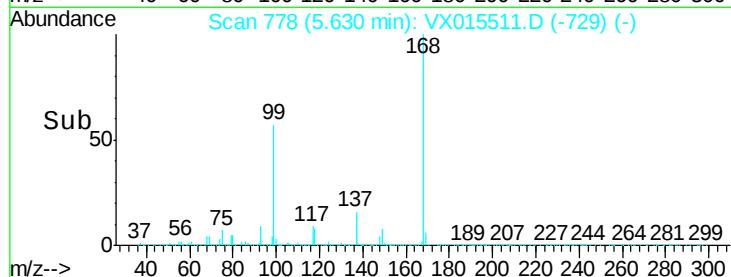
200000

100000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.582 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015511.D

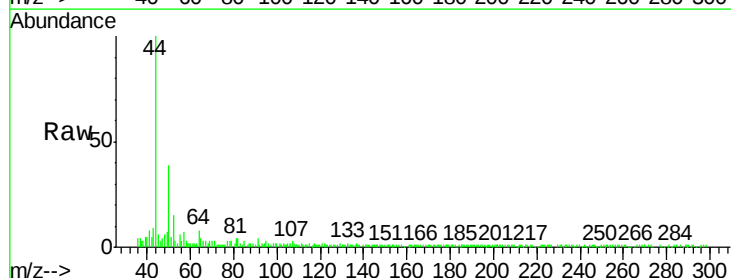
Acq: 06 Apr 2020 14:41

Tgt Ion: 50 Resp: 7243

Ion Ratio Lower Upper

50 100

52 33.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

8000

6000

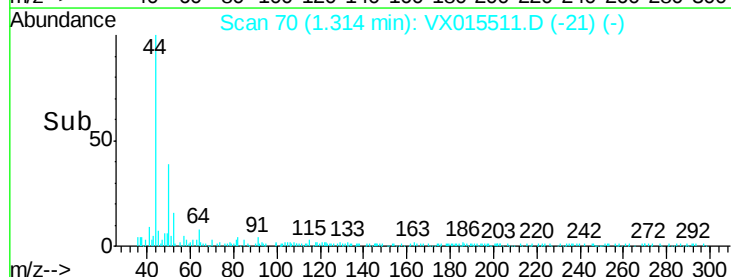
4000

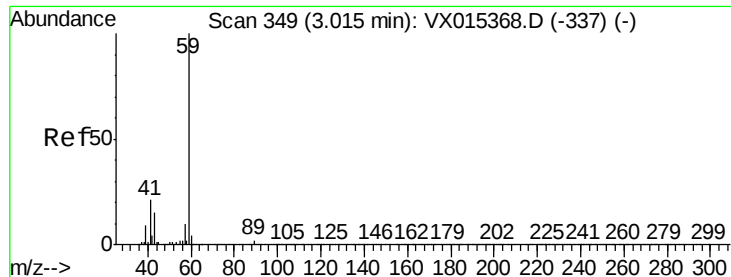
2000

0

1.25 1.30 1.35

Time-->

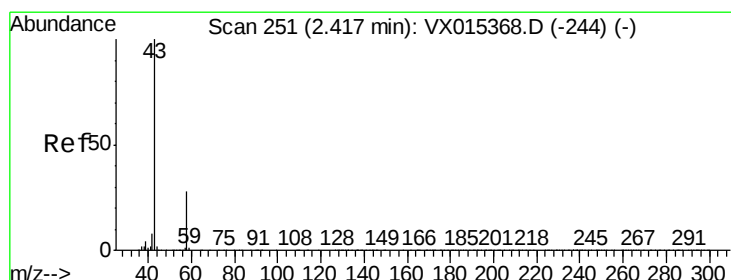
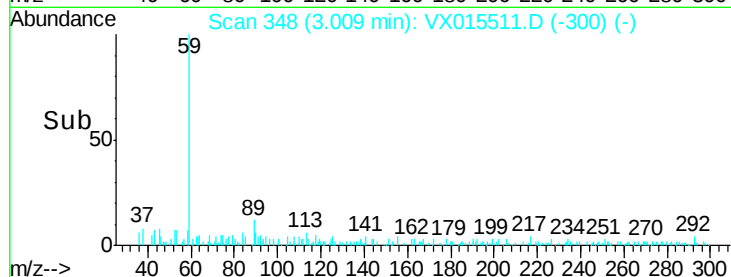
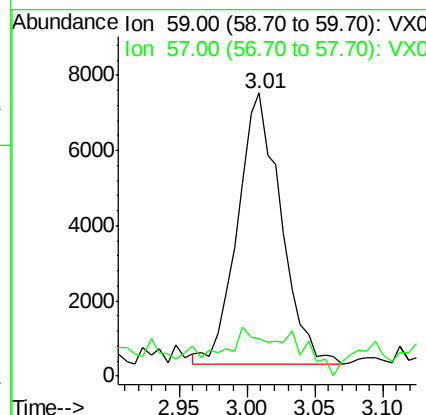
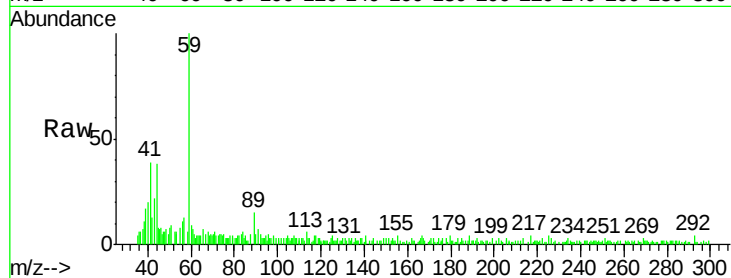




#11
Tert butyl alcohol
Concen: 4.275 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

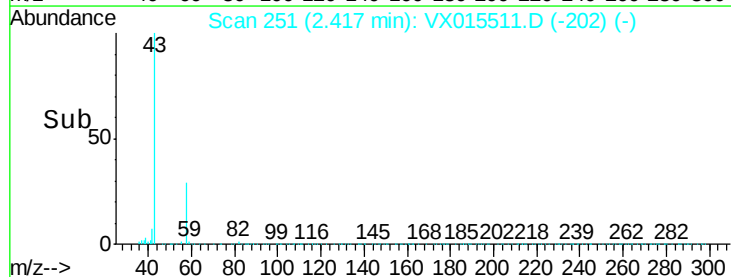
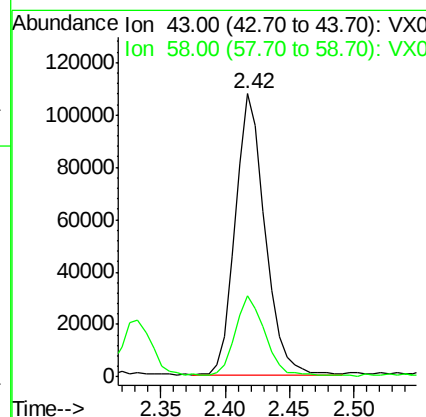
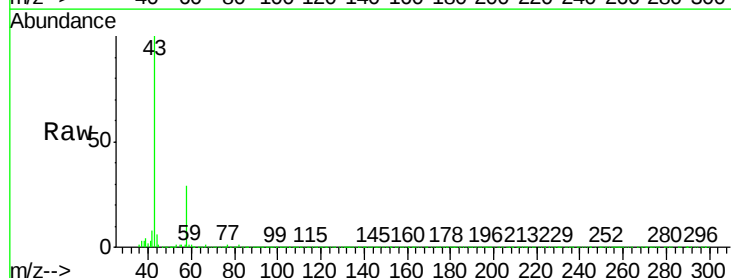
Instrument :
MSVOA_X
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40851

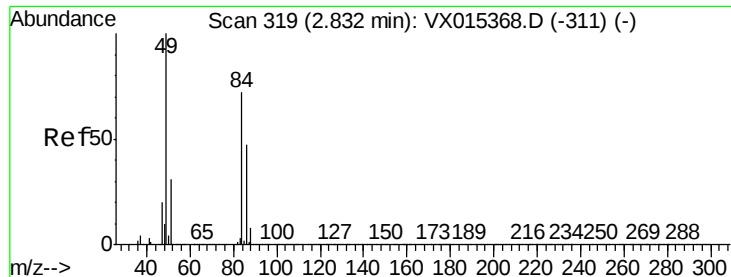
Tot Ion: 59 Resp: 16015
Ion Ratio Lower Upper
59 100
57 4.4 8.1 12.1#



#16
Acetone
Concen: 25.636 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

Tgt Ion: 43 Resp: 172371
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1

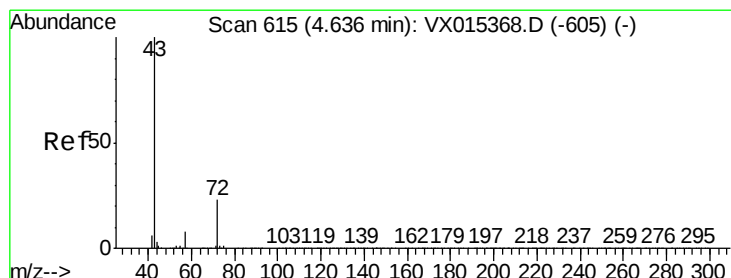
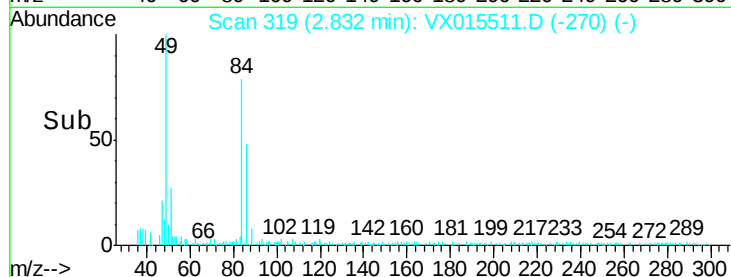
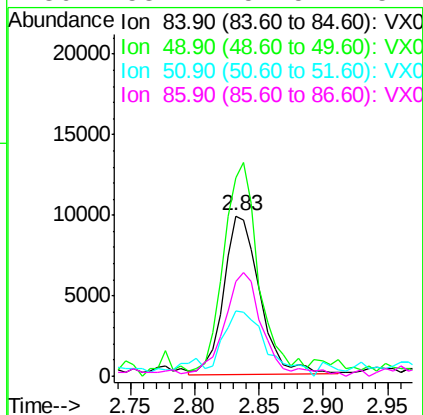
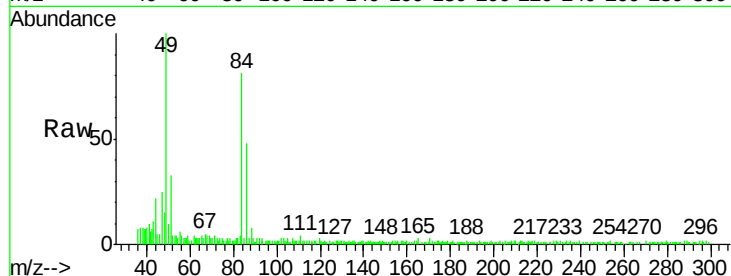




#20
Methvlene Chloride
Concen: 1.527 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

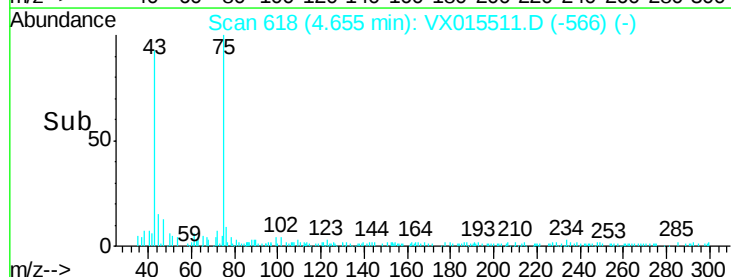
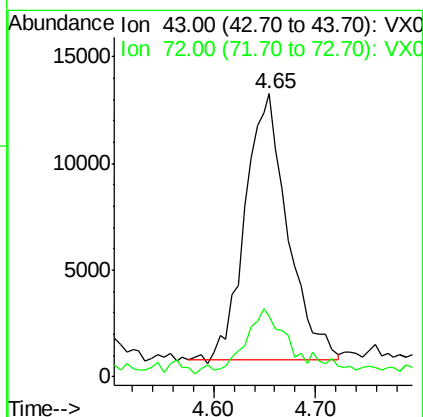
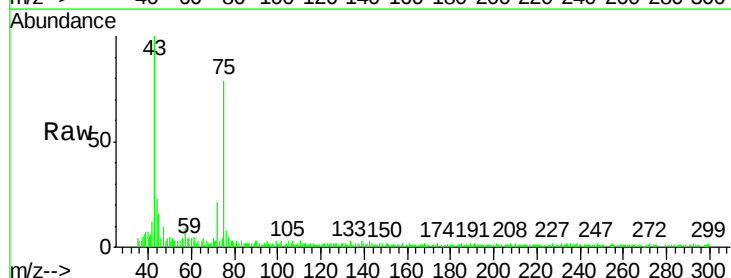
Instrument :
MSVOA_X
ClientSampleId :
40851

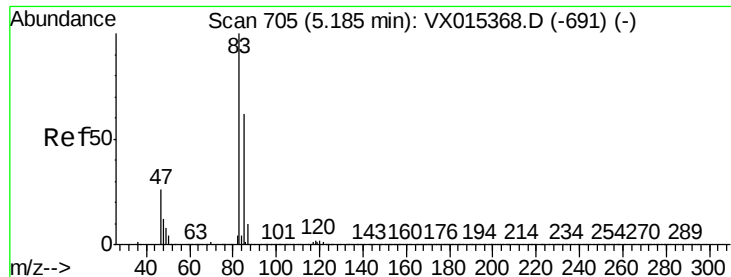
Tot Ion:	84	Resp:	19173
Ion	Ratio	Lower	Upper
84	100		
49	124.1	111.3	166.9
51	37.8	34.0	51.0
86	58.4	52.5	78.7



#25
2-Butanone
Concen: 3.350 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

Tgt Ion:	43	Resp:	36224
Ion	Ratio	Lower	Upper
43	100		
72	19.1	19.0	28.4

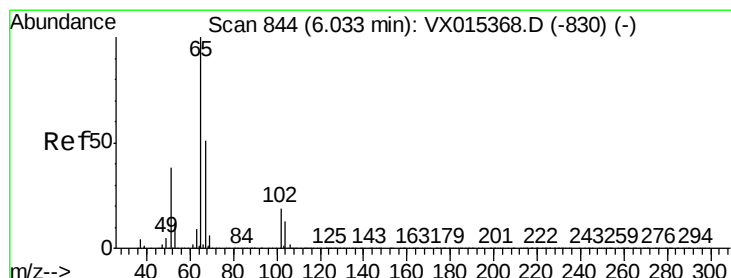
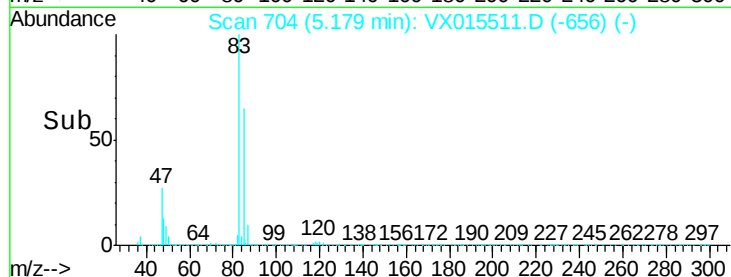
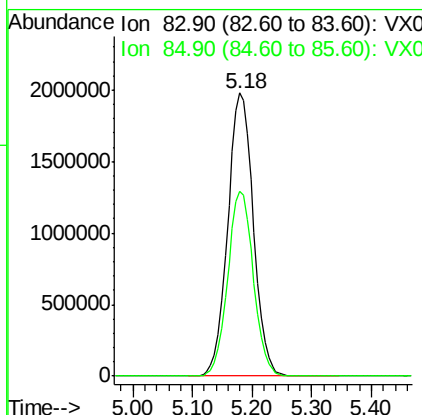
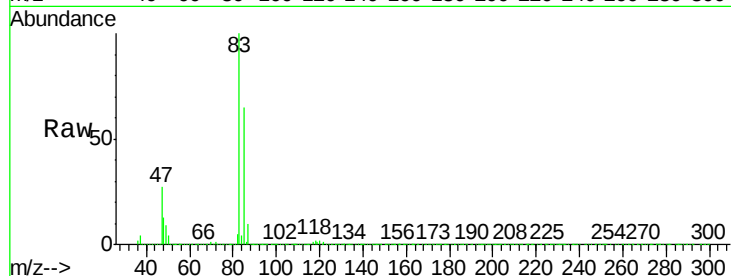




#30
Chloroform
Concen: 268.224 ug/l
RT: 5.18 min Scan# 704
Delta R.T. -0.01 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

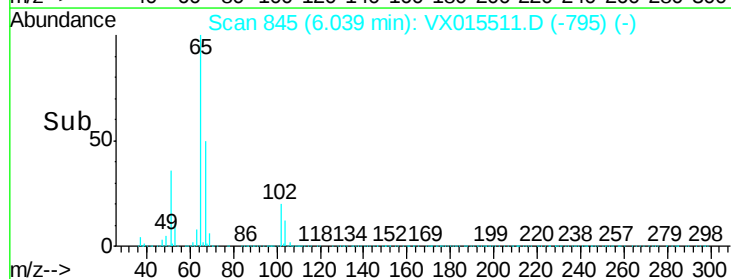
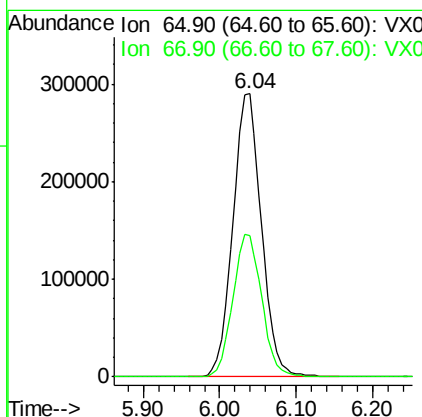
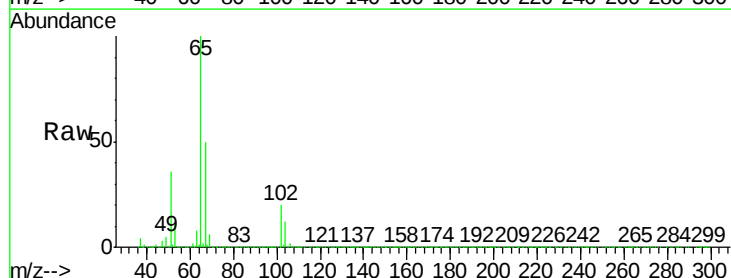
Instrument :
MSVOA_X
ClientSampleId :
40851

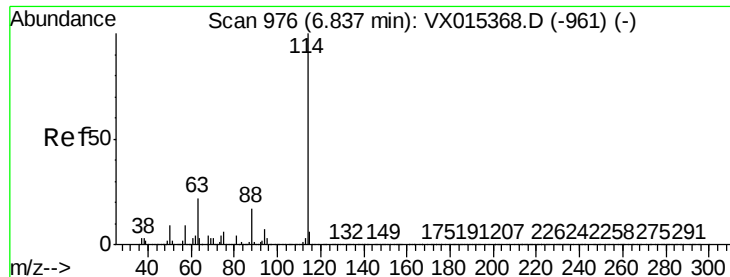
Tot Ion: 83 Resp: 5893424
Ion Ratio Lower Upper
83 100
85 65.5 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 47.778 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

Tgt Ion: 65 Resp: 747740
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015511.D

Acq: 06 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

40851

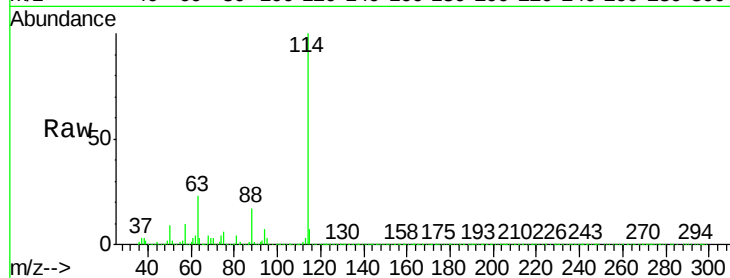
Tot Ion:114 Resp: 1802988

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.2

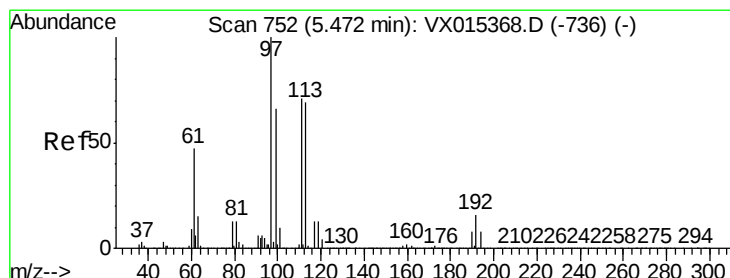
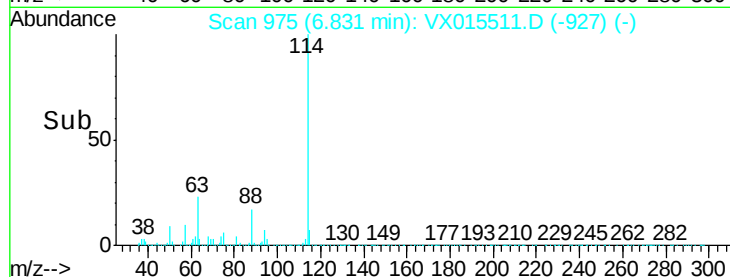
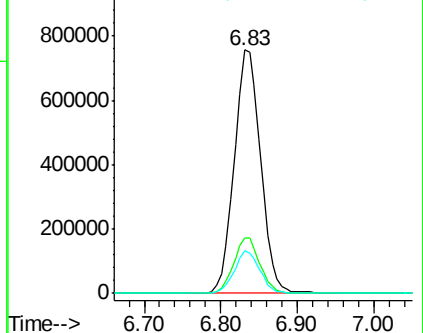
88 17.3 0.0 33.8



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: 49.826 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015511.D

Acq: 06 Apr 2020 14:41

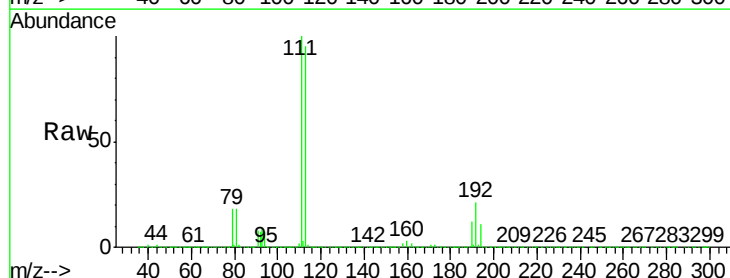
Tgt Ion:113 Resp: 574255

Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

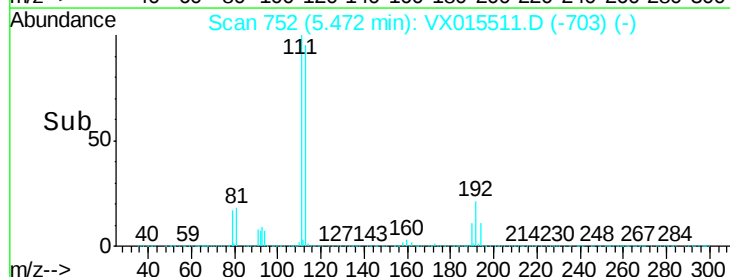
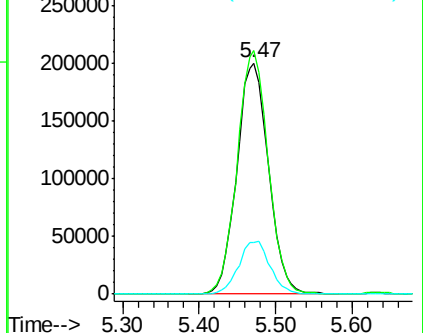
192 22.6 17.8 26.6

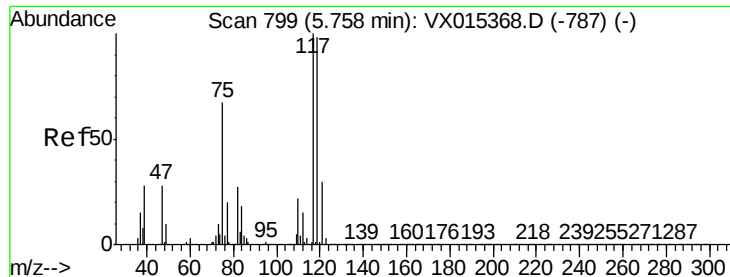


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 0.665 ug/l

RT: 5.75 min Scan# 798

Delta R.T. -0.01 min

Lab File: VX015511.D

Acq: 06 Apr 2020 14:41

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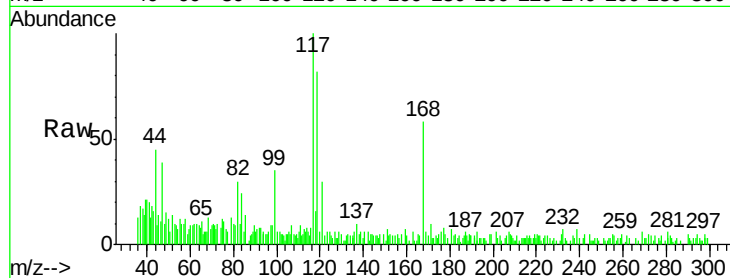
Tot Ion:117 Resp: 11966

Ion Ratio Lower Upper

117 100

119 78.7 78.0 117.0

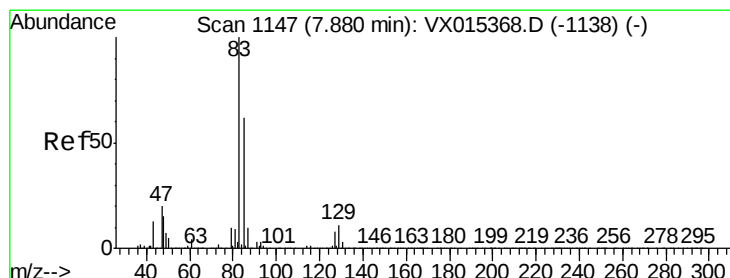
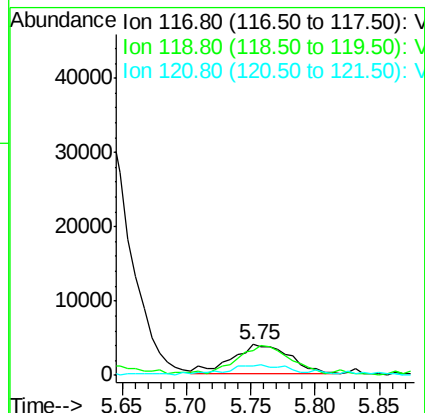
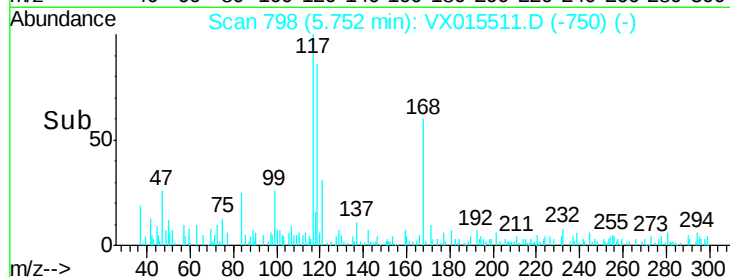
121 26.0 23.8 35.8



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



#47

Bromodichloromethane

Concen: 38.671 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015511.D

Acq: 06 Apr 2020 14:41

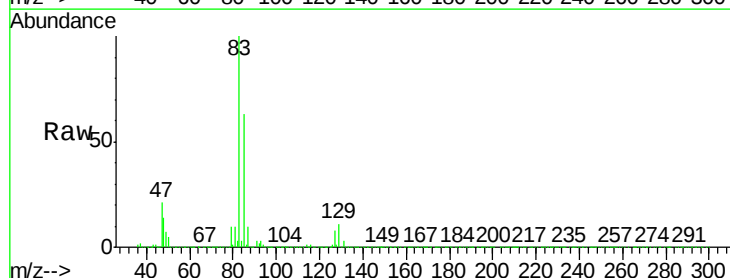
Tgt Ion: 83 Resp: 719559

Ion Ratio Lower Upper

83 100

85 63.2 49.7 74.5

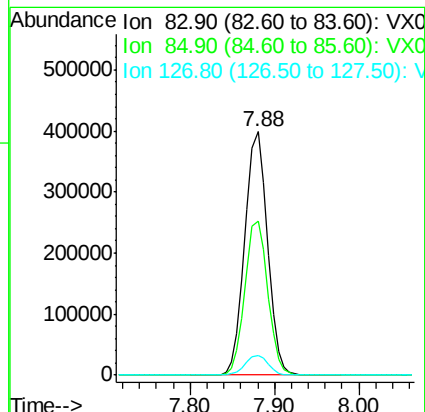
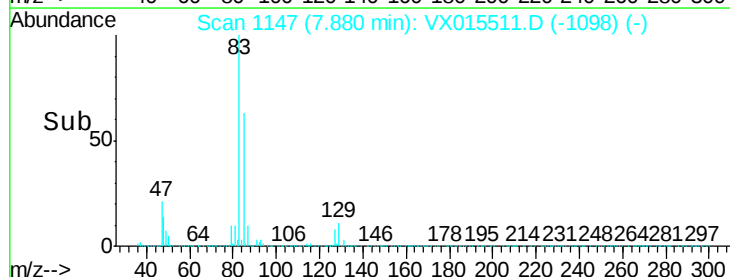
127 8.3 6.7 10.1

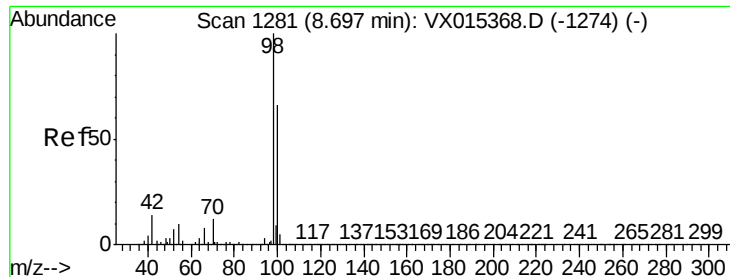


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

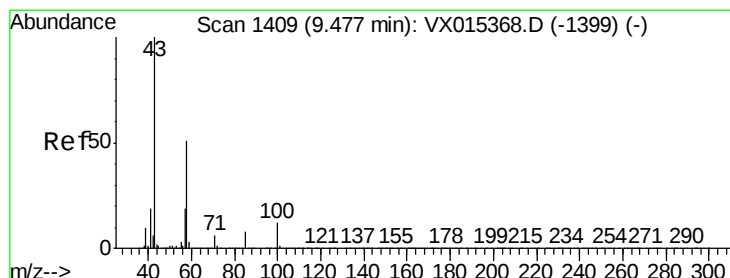
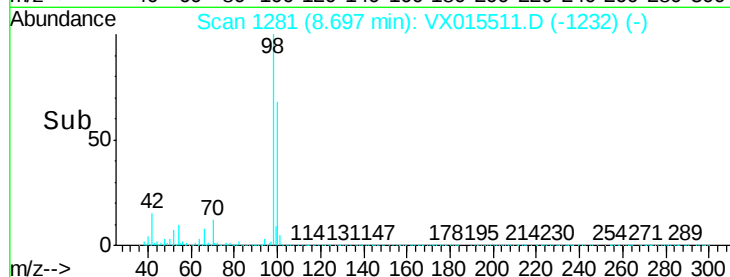
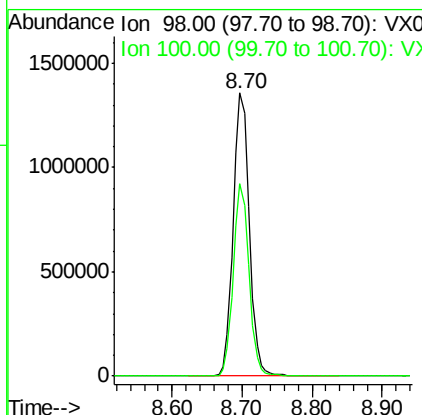
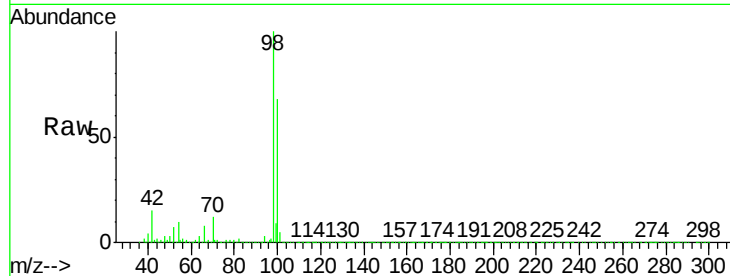




#50
Toluene-d8
Concen: 51.455 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

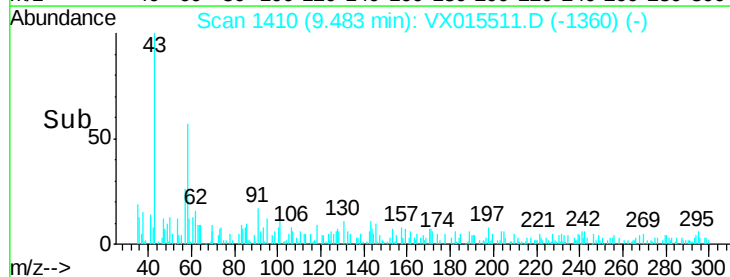
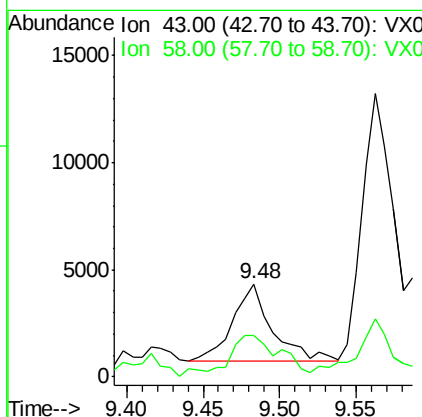
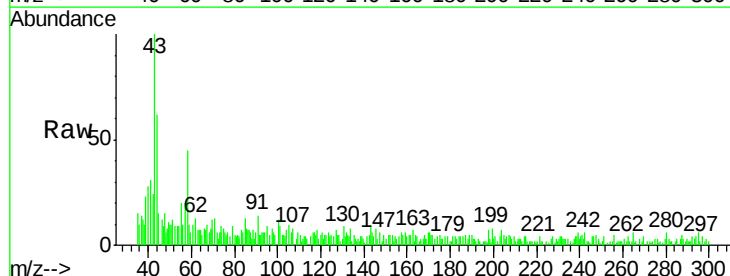
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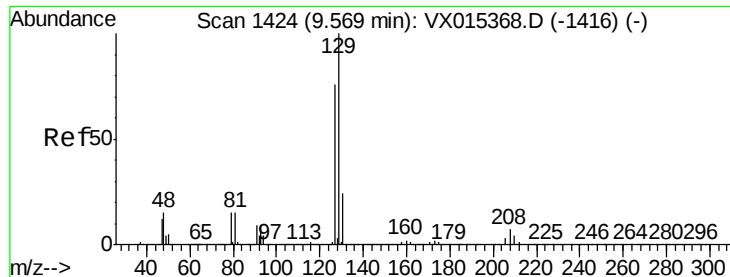
Tot Ion: 98 Resp: 2183367
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#59
2-Hexanone
Concen: 0.414 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

Tgt Ion: 43 Resp: 6462
Ion Ratio Lower Upper
43 100
58 71.9 25.6 76.6





#60

Dibromochloromethane

Concen: 20.476 ug/l

RT: 9.57 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VX015511.D

Acq: 06 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

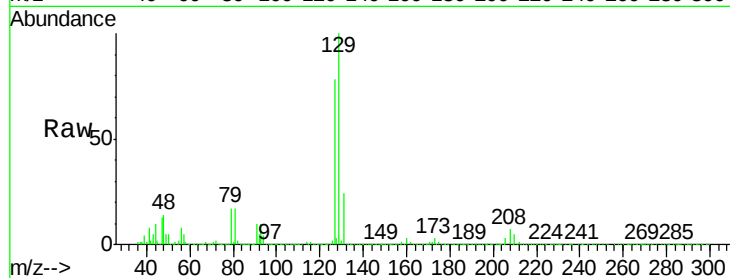
40851

Tot Ion:129 Resp: 302441

Ion Ratio Lower Upper

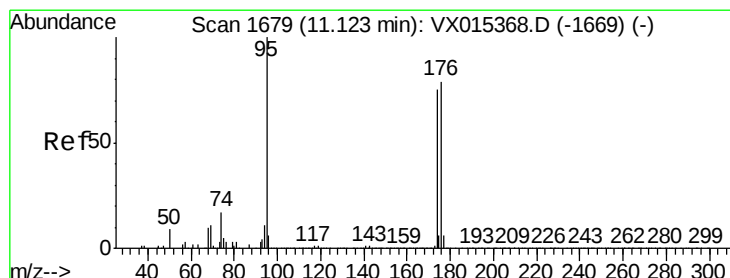
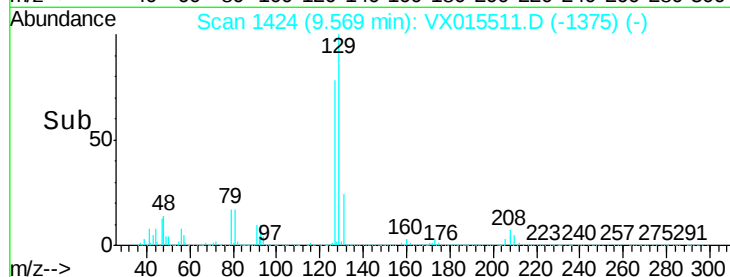
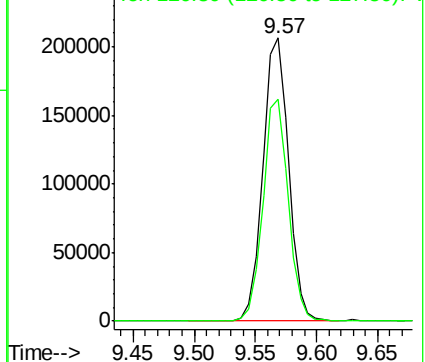
129 100

127 77.3 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 57.034 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015511.D

Acq: 06 Apr 2020 14:41

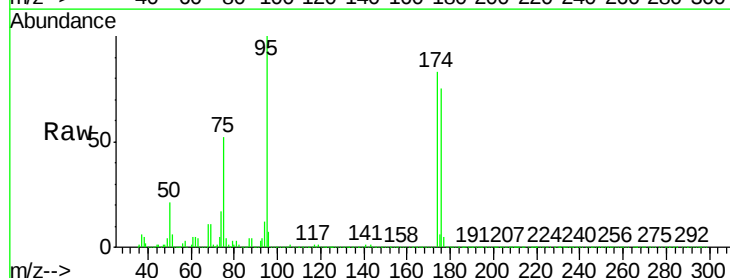
Tgt Ion: 95 Resp: 983541

Ion Ratio Lower Upper

95 100

174 79.4 0.0 158.6

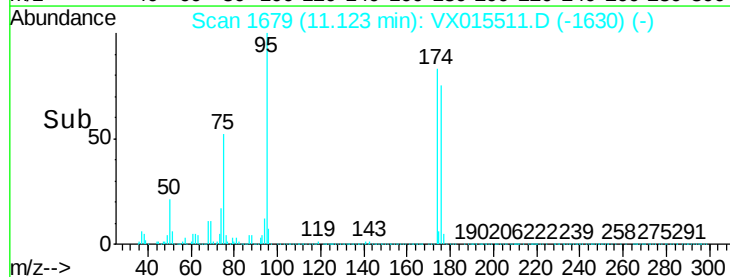
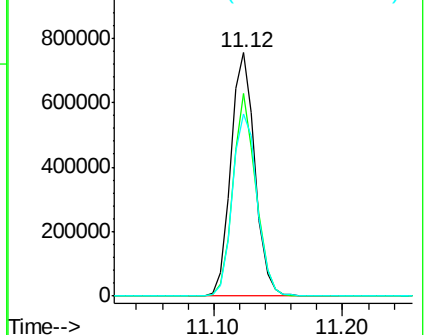
176 77.6 0.0 159.0

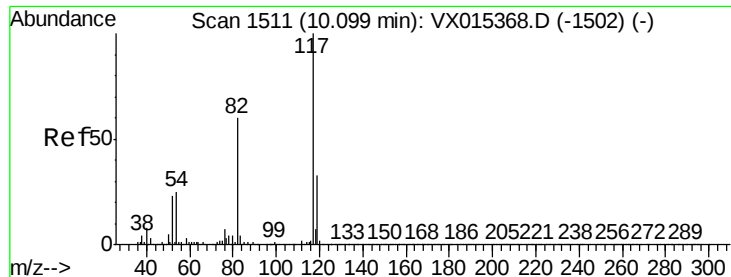


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

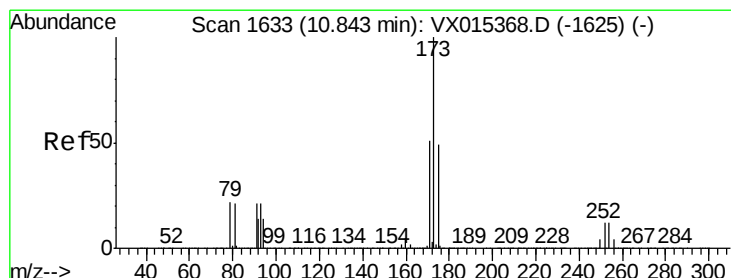
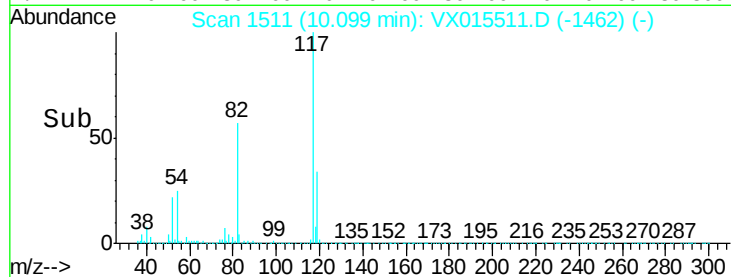
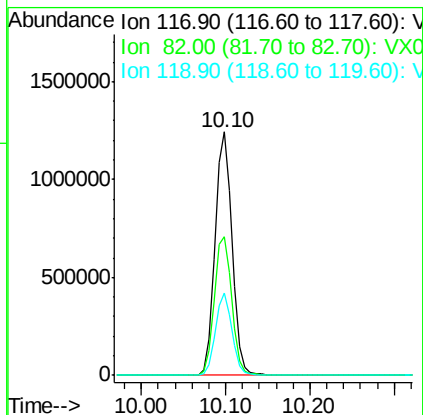
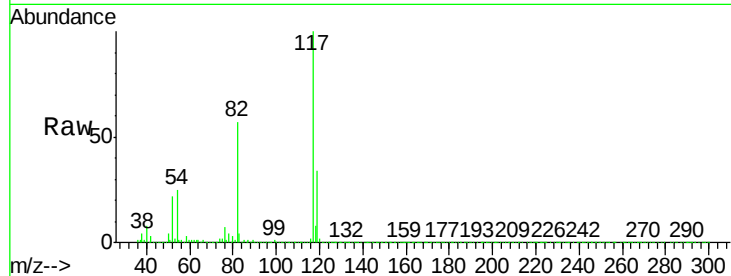




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

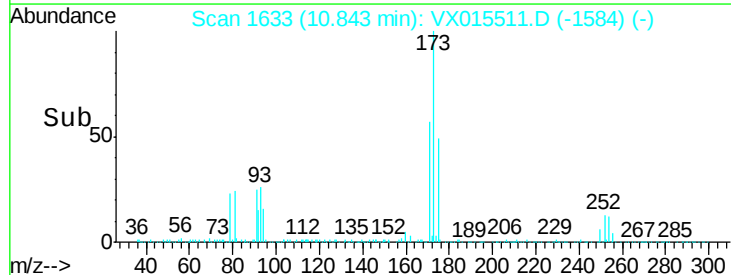
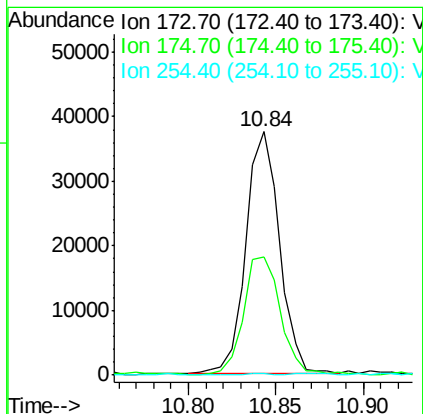
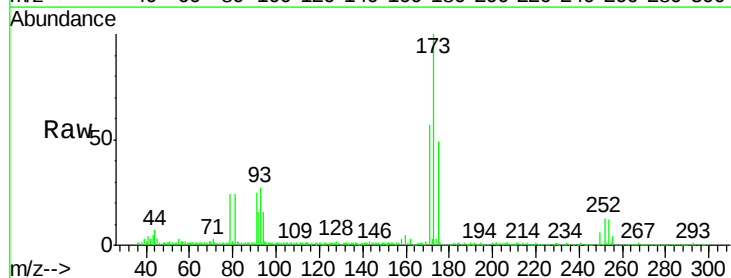
Instrument :
MSVOA_X
ClientSampleId :
40851

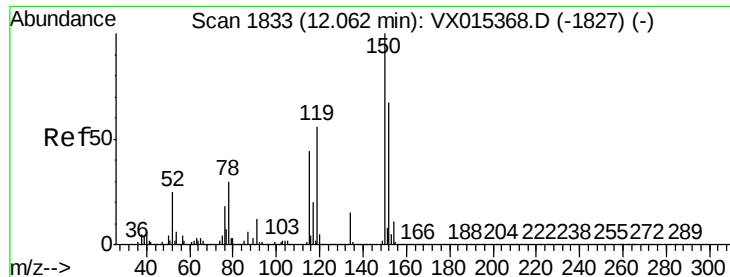
Tot Ion:117 Resp: 1747638
Ion Ratio Lower Upper
117 100
82 56.8 47.8 71.8
119 33.9 26.8 40.2



#71
Bromoform
Concen: 3.926 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VX015511.D
Acq: 06 Apr 2020 14:41

Tgt Ion:173 Resp: 49762
Ion Ratio Lower Upper
173 100
175 55.0 23.9 71.7
254 0.6 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015511.D

Acq: 06 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

40851

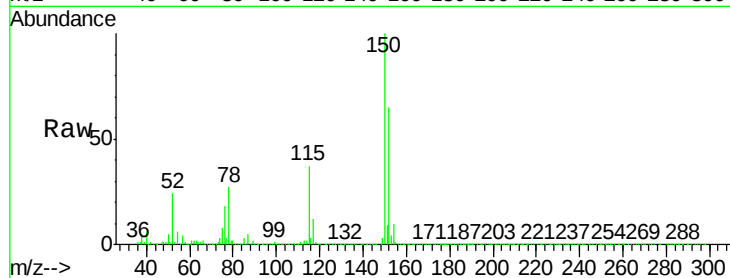
Tot Ion:152 Resp: 1016844

Ion Ratio Lower Upper

152 100

115 58.1 39.0 116.9

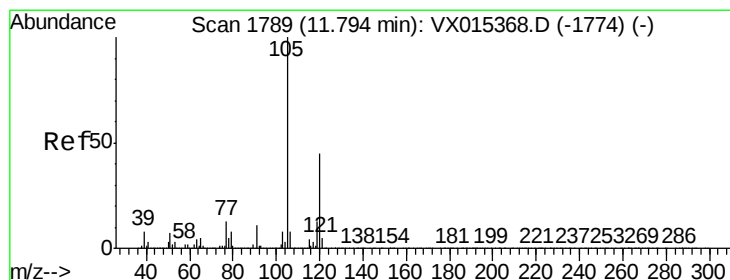
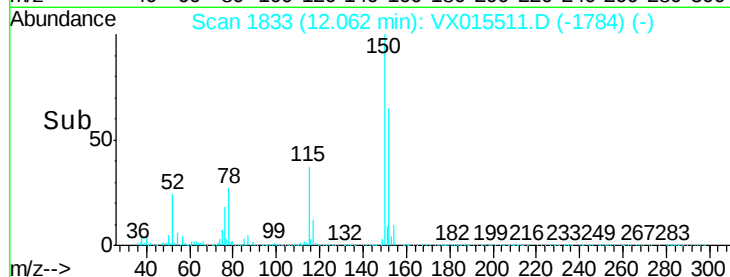
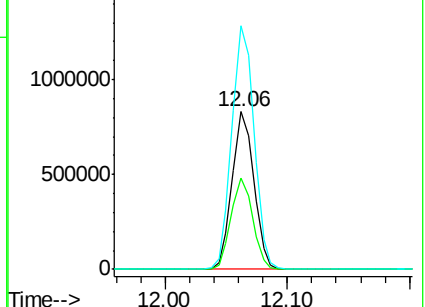
150 157.9 0.0 340.8



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: 0.286 ug/l m

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015511.D

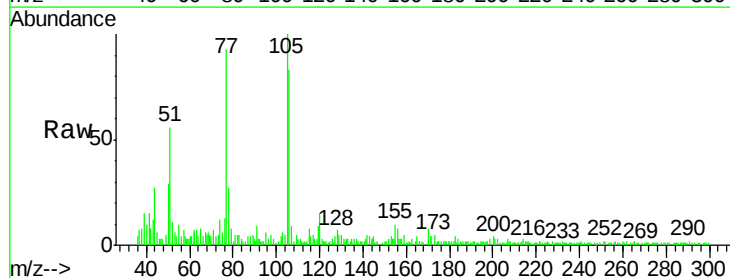
Acq: 06 Apr 2020 14:41

Tgt Ion:105 Resp: 16611

Ion Ratio Lower Upper

105 100

120 6.0 22.7 68.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

