

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015384.D
 Acq On : 27 Mar 2020 16:13
 Operator : JC/SP
 Sample : L1997-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20200316

Quant Time: Mar 30 01:44:28 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	5.64	168	1141240	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	1858179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1743902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	932735	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	754074	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
35) Dibromofluoromethane	5.47	113	571395	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	8.70	98	2231594	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.12	95	974981	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	

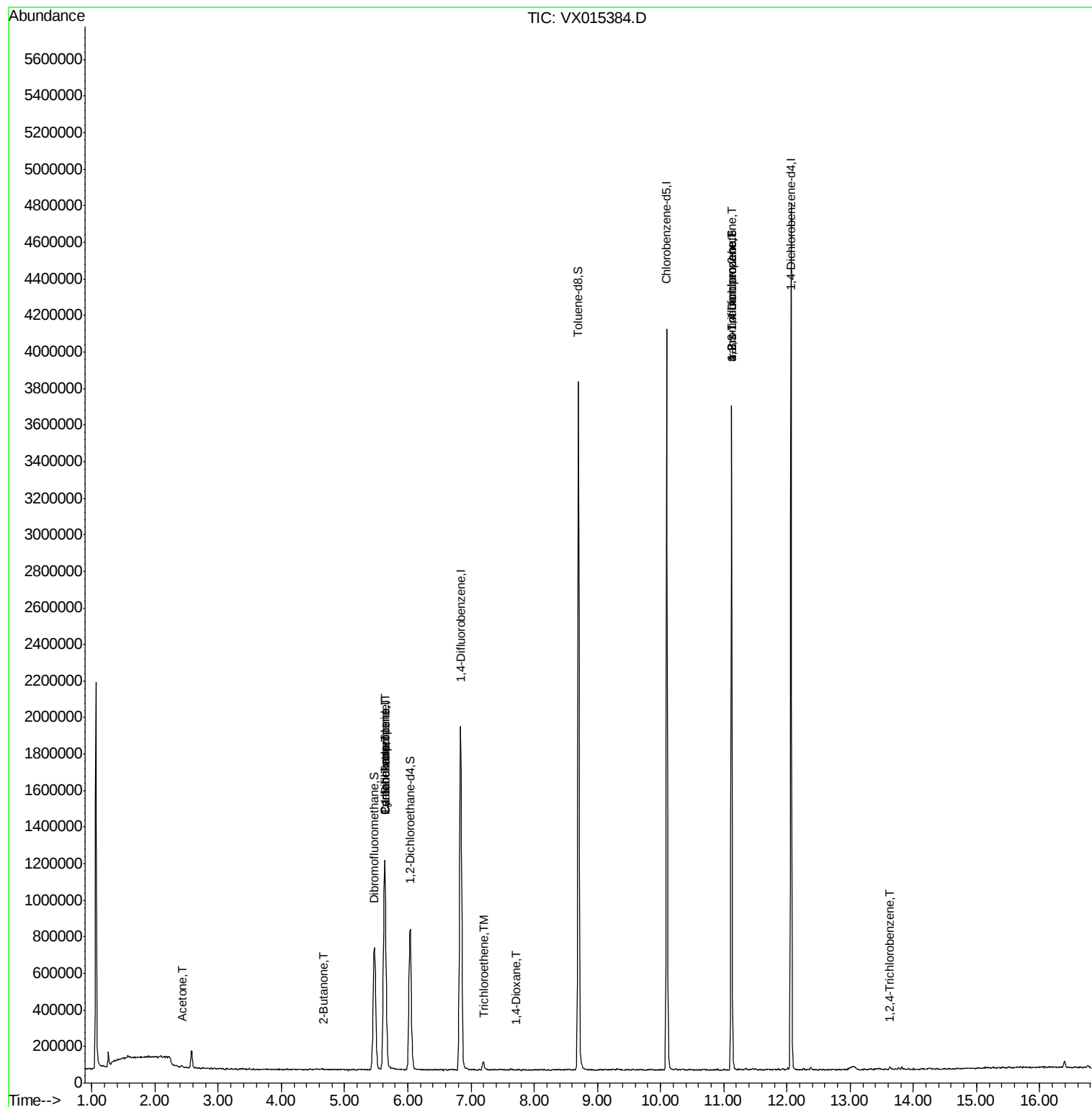
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	319	Below Cal	#	3
16) Acetone	2.42	43	10809	1.563	ug/l	98
25) 2-Butanone	4.66	43	3367	0.303	ug/l #	11
31) Cyclohexane	5.64	56	25299	1.242	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	85655	5.003	ug/l #	53
38) Carbon Tetrachloride	5.64	117	111823	6.030	ug/l #	15
44) Trichloroethene	7.20	130	19306	1.411	ug/l	93
49) 1,4-Dioxane	7.71	88	119	0.339	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	492306	25.666	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	492306	61.585	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	4763	0.211	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.01 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

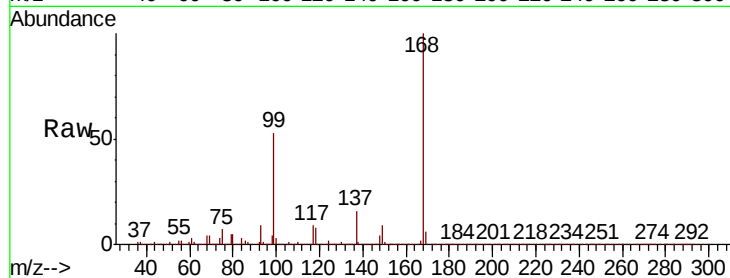
RE122D3-20200316

Tot Ion:168 Resp: 1141240

Ion Ratio Lower Upper

168 100

99 52.9 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

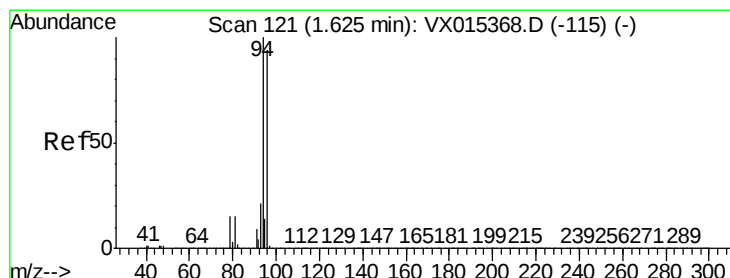
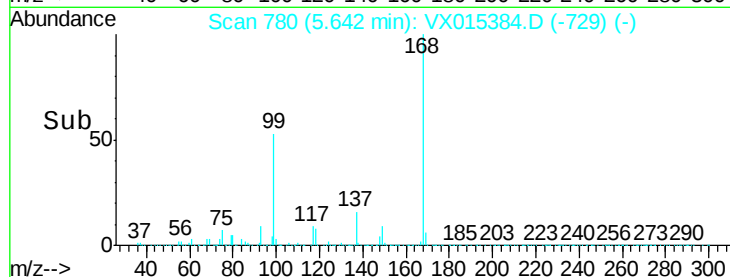
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015384.D

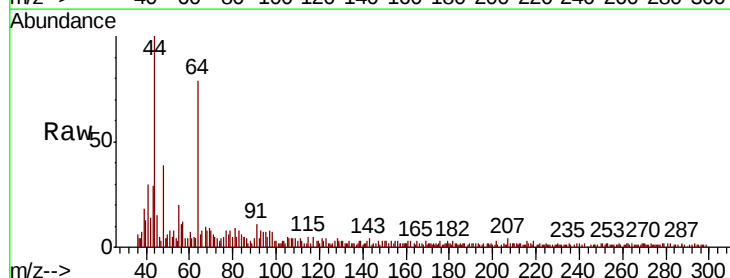
Acq: 27 Mar 2020 16:13

Tgt Ion: 94 Resp: 319

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.61

1000

800

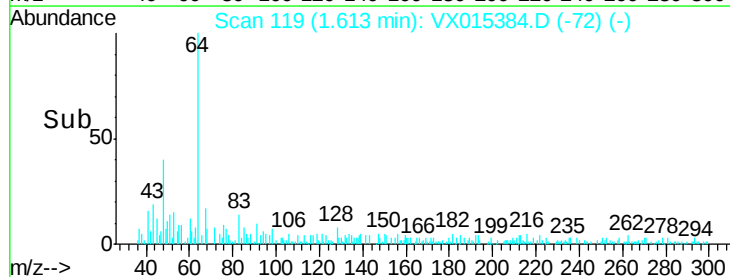
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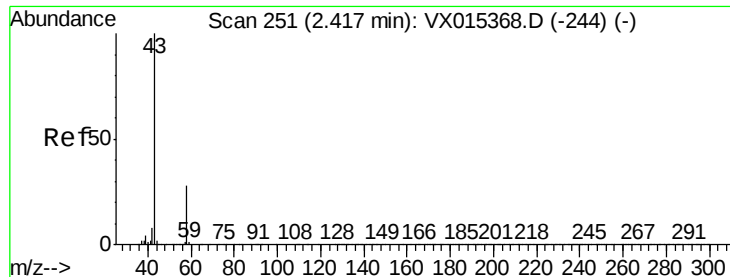
400

200

0

Time-->

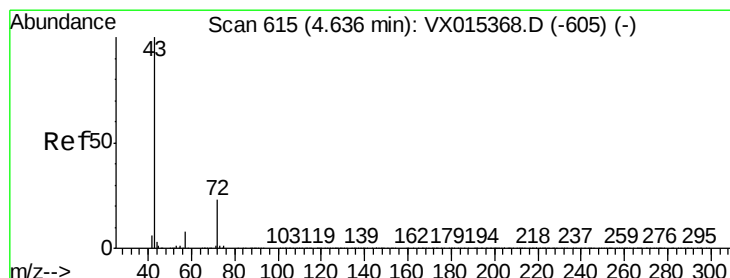
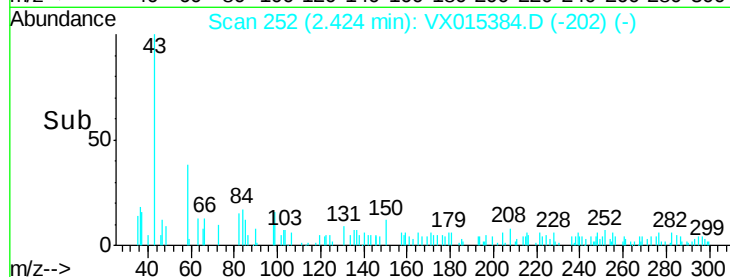
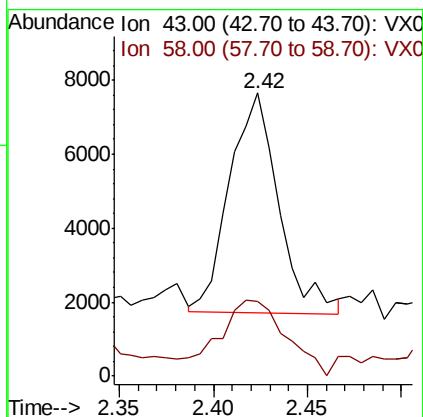
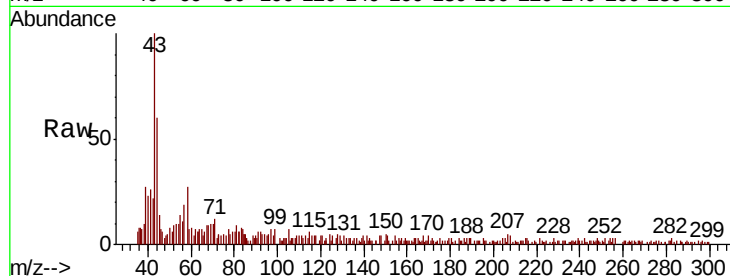




#16
Acetone
Concen: 1.563 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015384.D
Acq: 27 Mar 2020 16:13

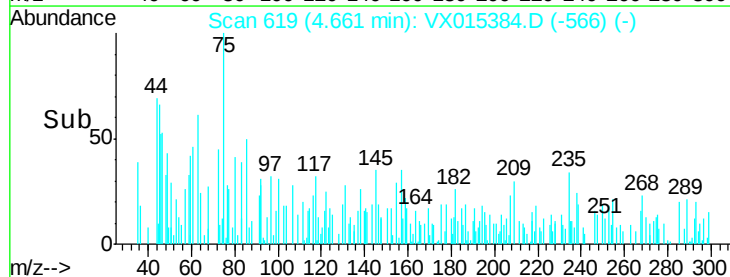
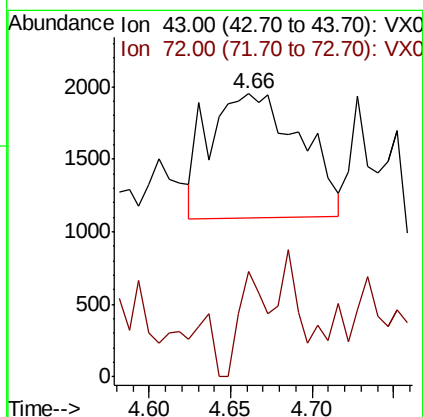
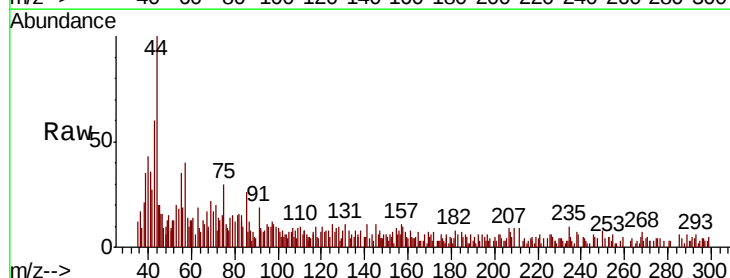
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20200316

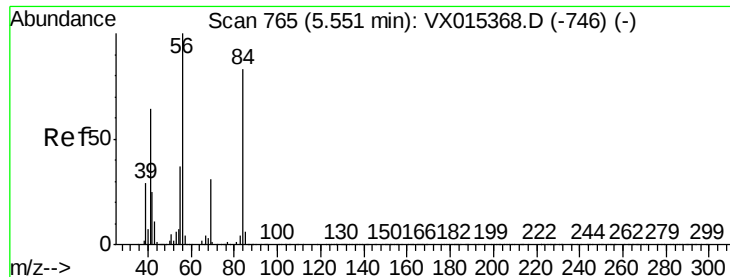
Tot Ion: 43 Resp: 10809
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1



#25
2-Butanone
Concen: 0.303 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015384.D
Acq: 27 Mar 2020 16:13

Tgt Ion: 43 Resp: 3367
Ion Ratio Lower Upper
43 100
72 67.2 19.0 28.4#

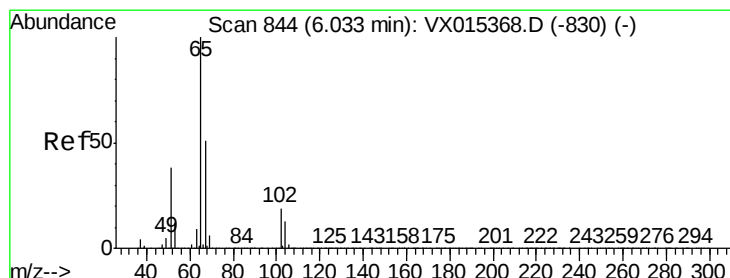
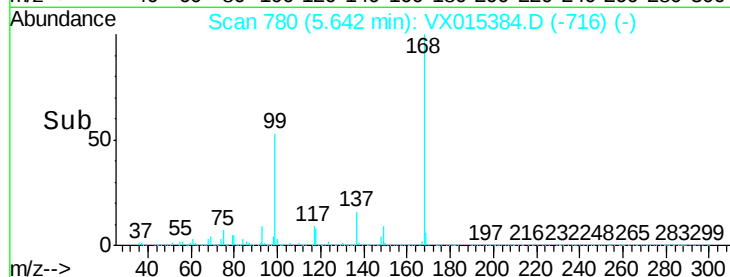
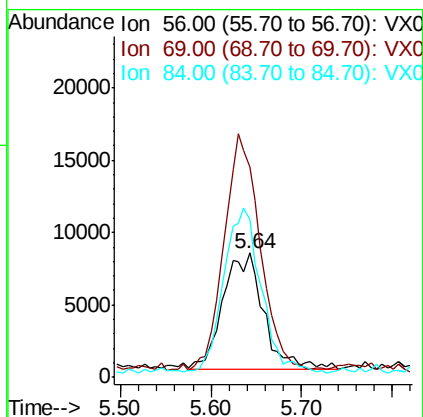
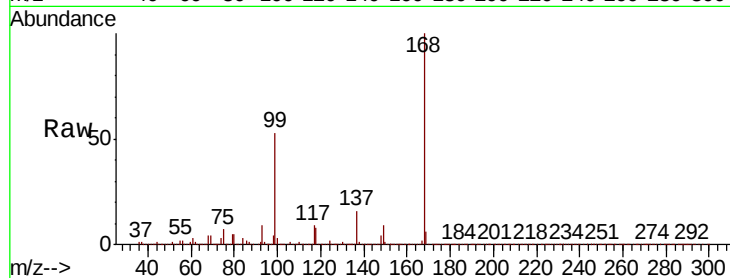




#31
Cyclohexane
Concen: 1.242 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.09 min
Lab File: VX015384.D
Acq: 27 Mar 2020 16:13

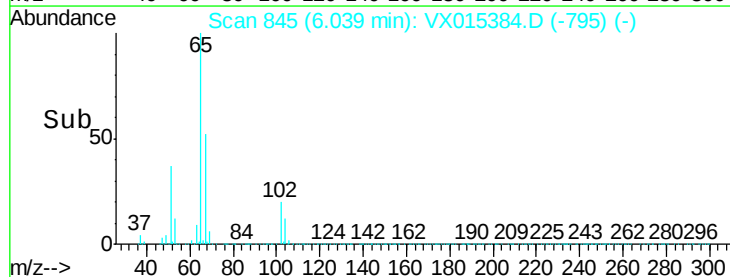
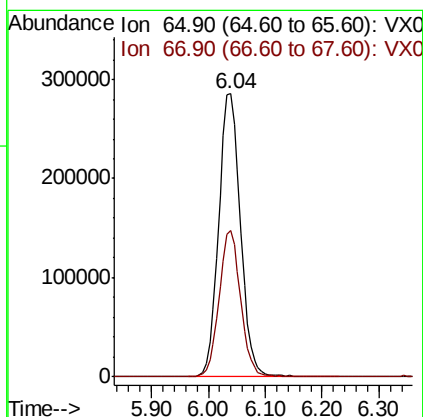
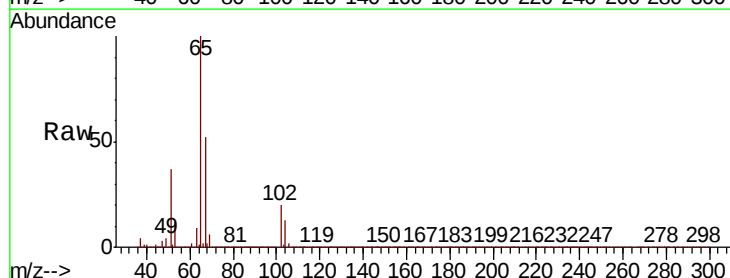
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20200316

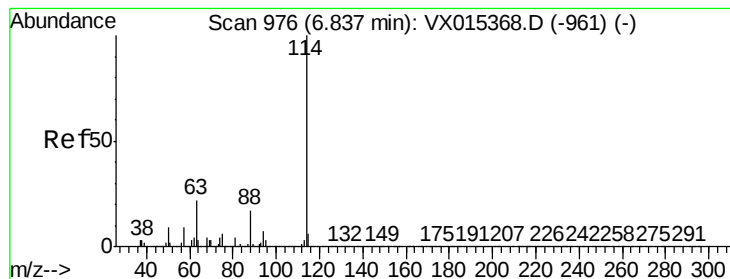
Tot Ion: 56 Resp: 25299
Ion Ratio Lower Upper
56 100
69 174.9 24.6 36.8#
84 130.1 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 46.849 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015384.D
Acq: 27 Mar 2020 16:13

Tgt Ion: 65 Resp: 754074
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20200316

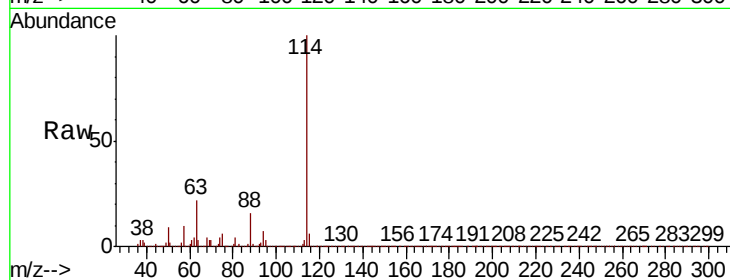
Tot Ion:114 Resp: 1858179

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

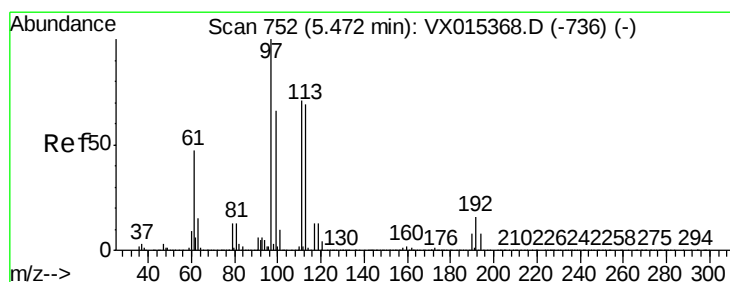
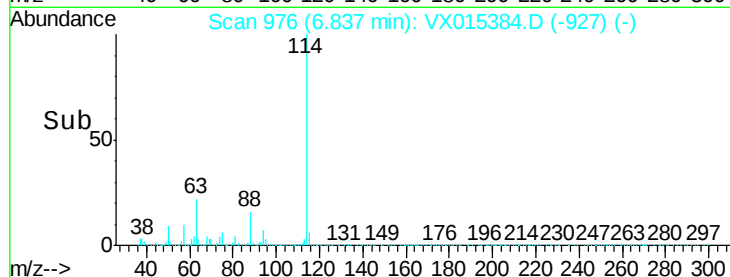
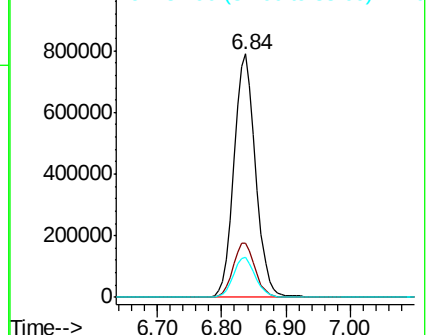
88 16.2 0.0 33.8



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: 48.105 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

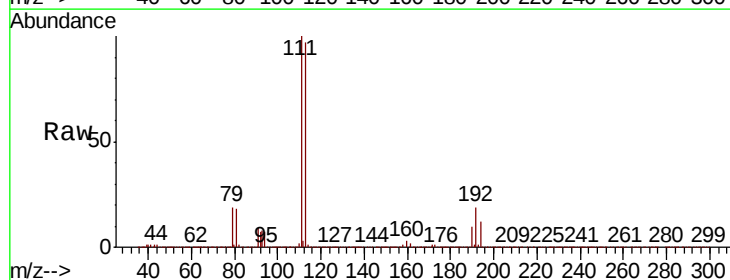
Tgt Ion:113 Resp: 571395

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

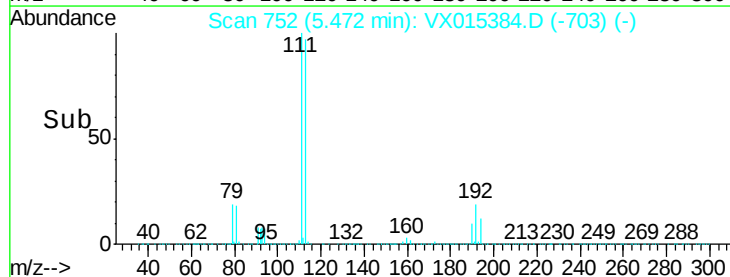
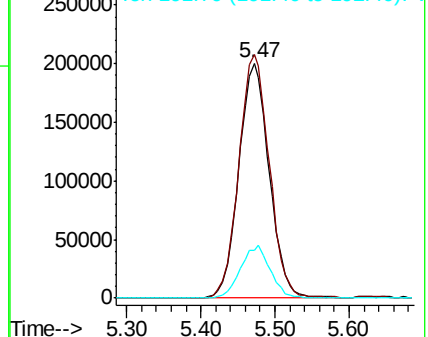
192 21.8 17.8 26.6

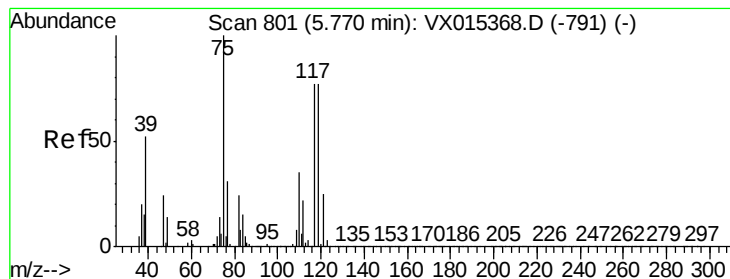


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.003 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20200316

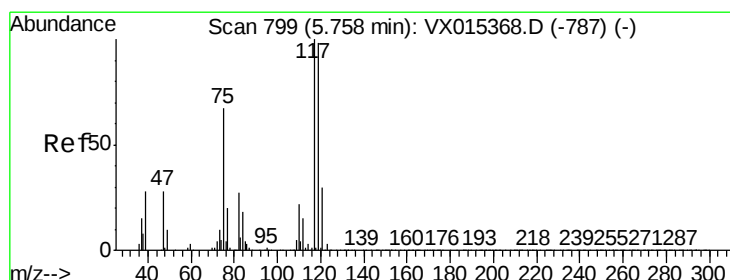
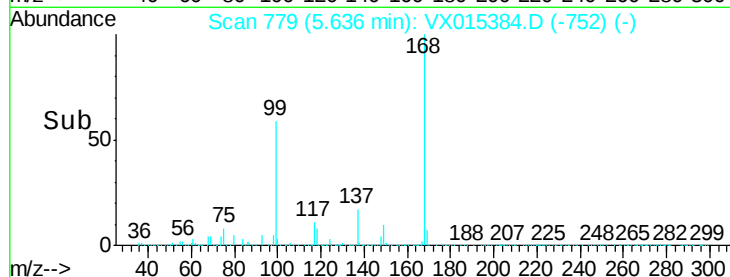
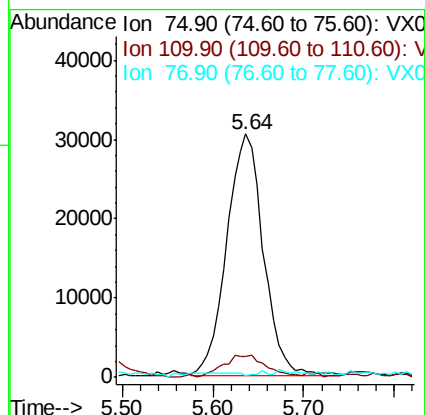
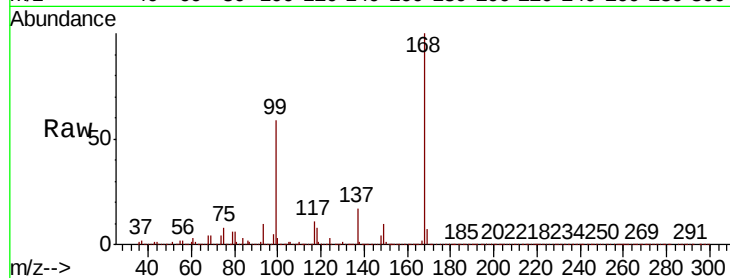
Tot Ion: 75 Resp: 85655

Ion Ratio Lower Upper

75 100

110 10.8 17.1 51.3#

77 0.7 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.030 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

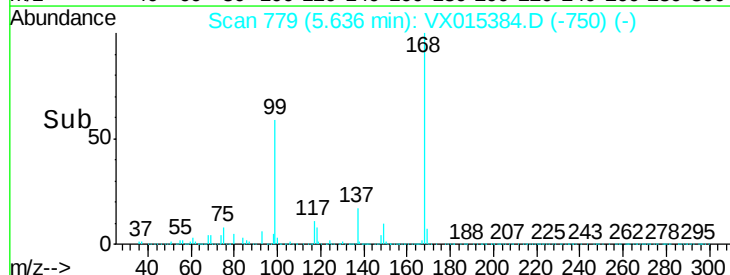
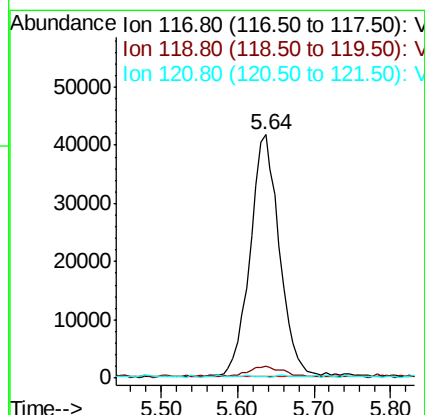
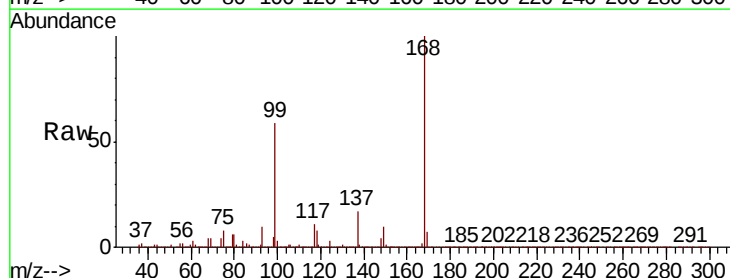
Tgt Ion: 117 Resp: 111823

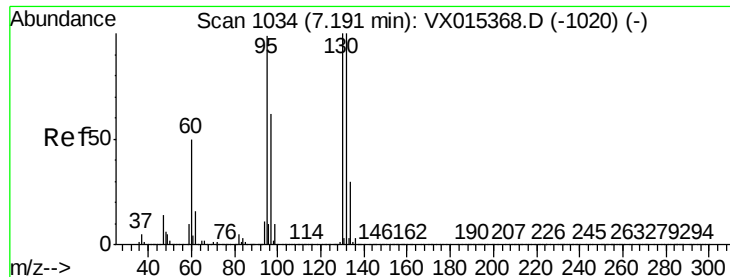
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.2 23.8 35.8#





#44

Trichloroethene

Concen: 1.411 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

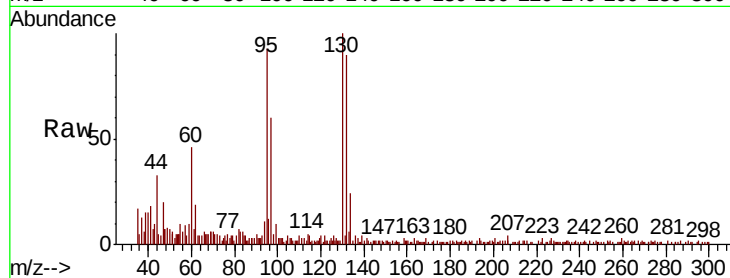
RE122D3-20200316

Tot Ion:130 Resp: 19306

Ion Ratio Lower Upper

130 100

95 92.5 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

10000

8000

6000

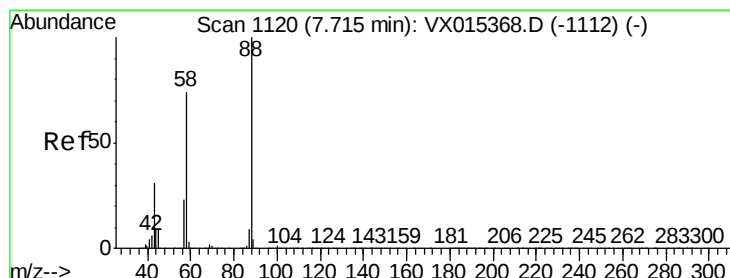
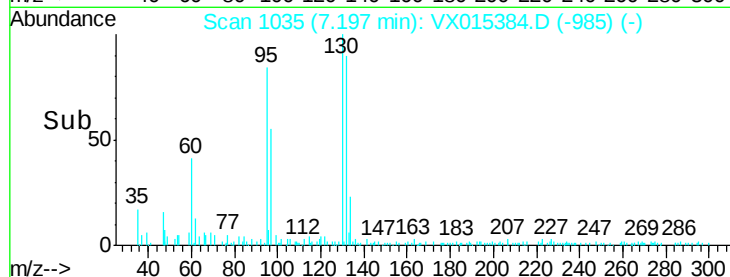
4000

2000

0

Time-->

7.10 7.15 7.20 7.25



#49

1,4-Dioxane

Concen: 0.339 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

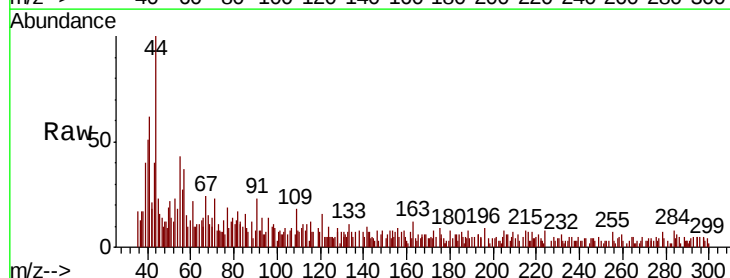
Tgt Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 974.8 60.6 90.8#



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

1500

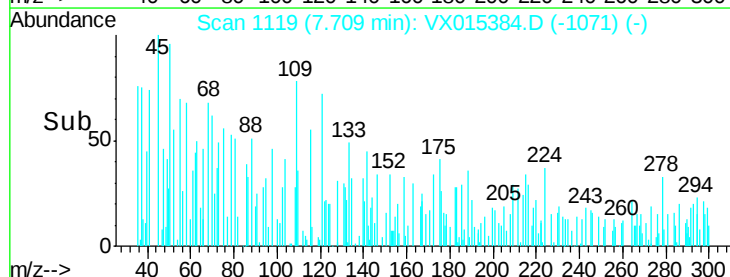
1000

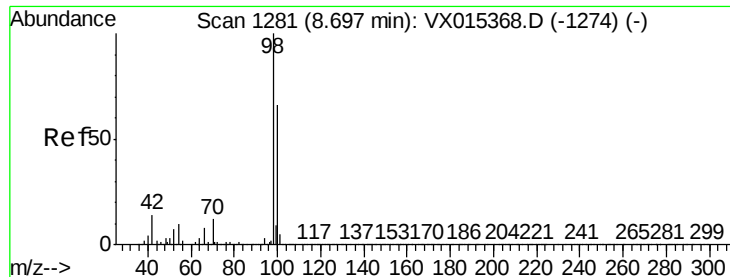
500

0

Time-->

7.69 7.70 7.71 7.72





#50

Toluene-d8

Concen: 51.029 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

Instrument :

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ClientSampleId :

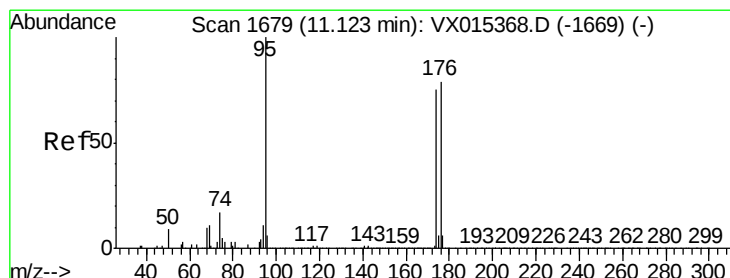
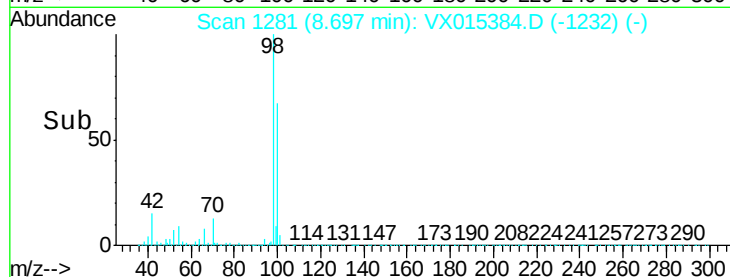
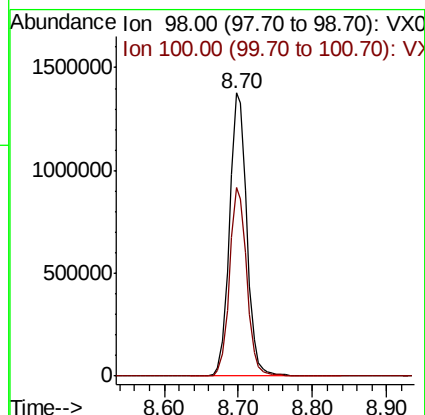
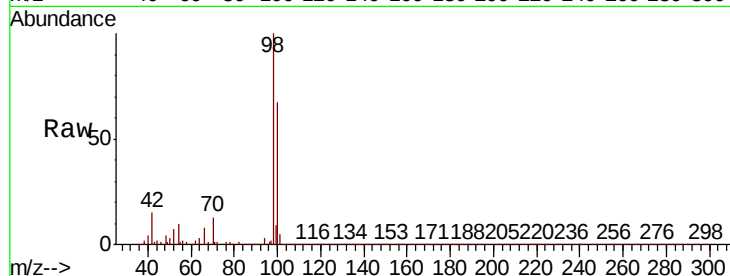
RE122D3-20200316

Tot Ion: 98 Resp: 2231594

Ion Ratio Lower Upper

98 100

100 66.3 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.859 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

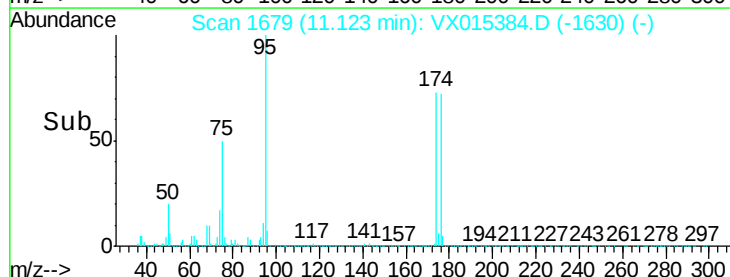
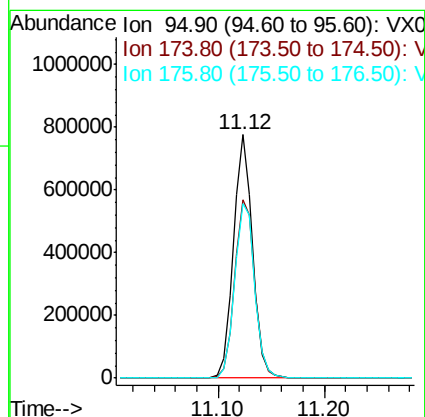
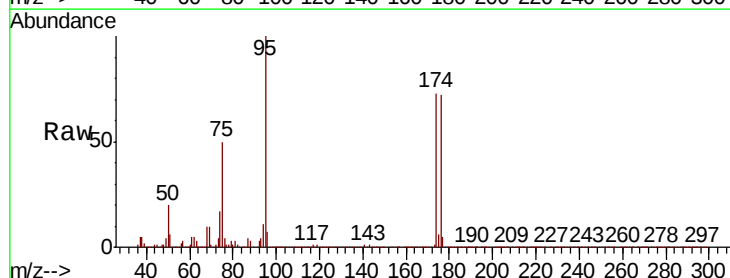
Tgt Ion: 95 Resp: 974981

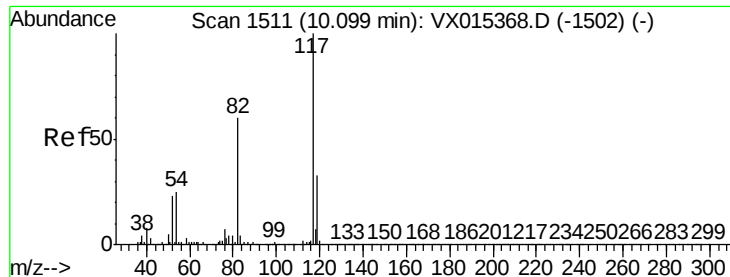
Ion Ratio Lower Upper

95 100

174 76.9 0.0 158.6

176 75.5 0.0 159.0

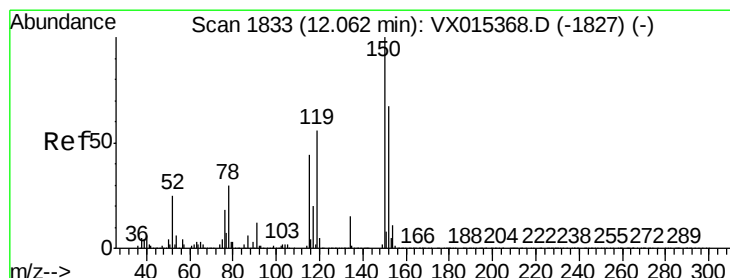
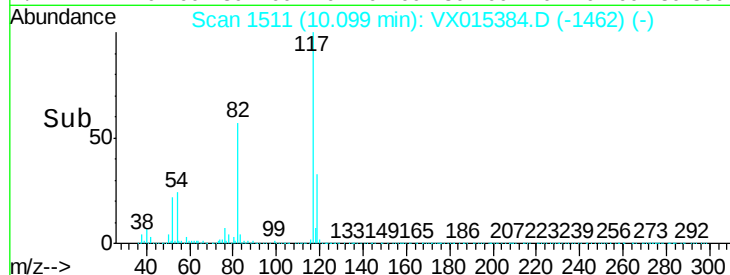
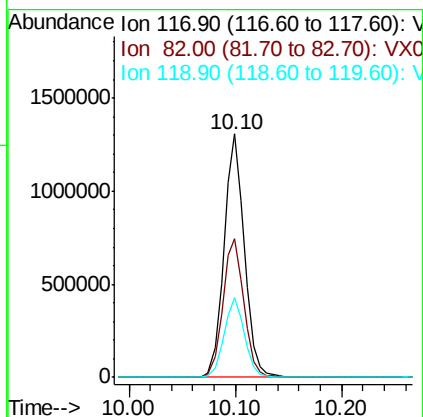
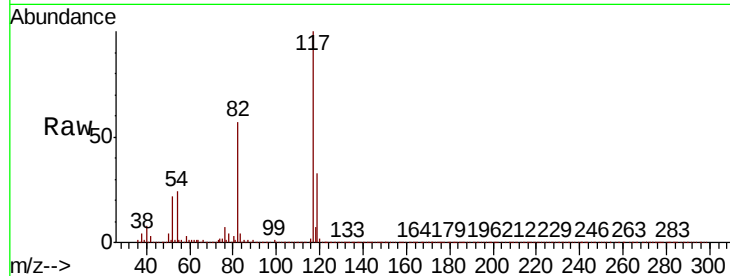




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015384.D
Acq: 27 Mar 2020 16:13

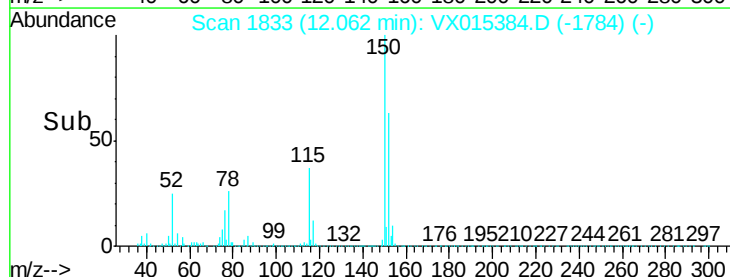
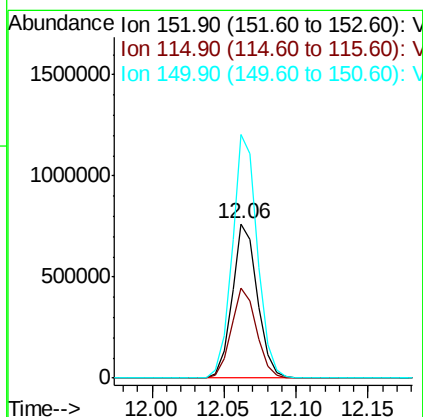
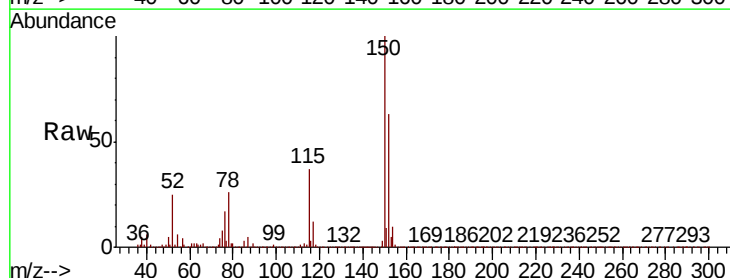
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20200316

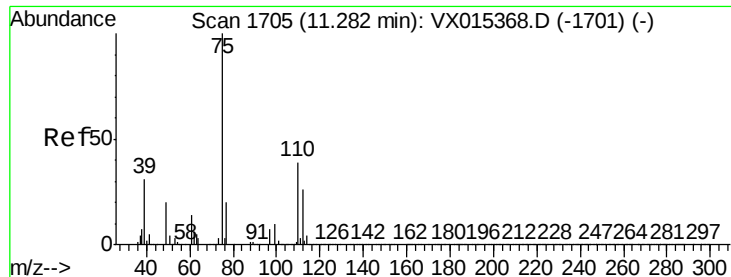
Tot Ion:117 Resp: 1743902
Ion Ratio Lower Upper
117 100
82 57.0 47.8 71.8
119 32.6 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015384.D
Acq: 27 Mar 2020 16:13

Tgt Ion:152 Resp: 932735
Ion Ratio Lower Upper
152 100
115 58.7 39.0 116.9
150 157.8 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.666 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

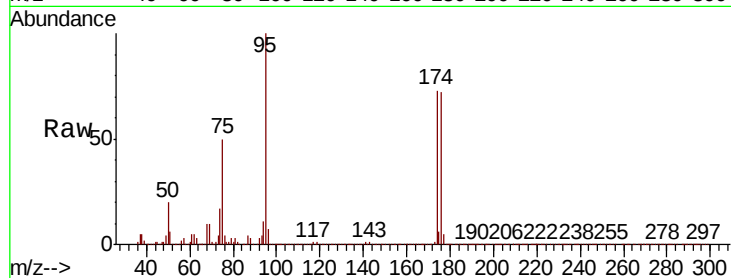
RE122D3-20200316

Tot Ion: 75 Resp: 492306

Ion Ratio Lower Upper

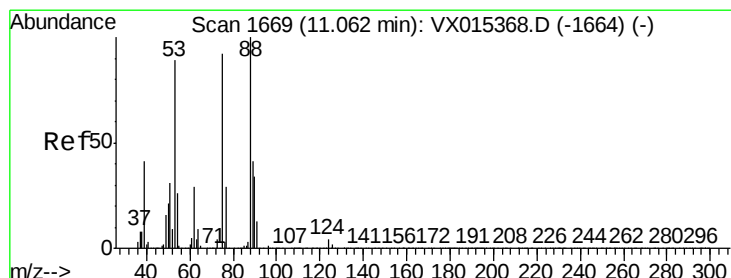
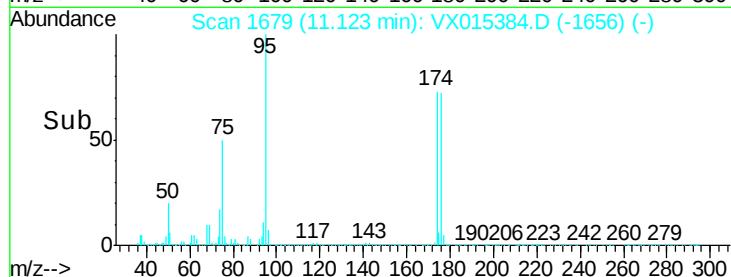
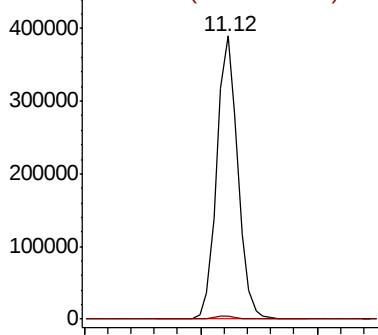
75 100

77 1.2 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 61.585 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015384.D

Acq: 27 Mar 2020 16:13

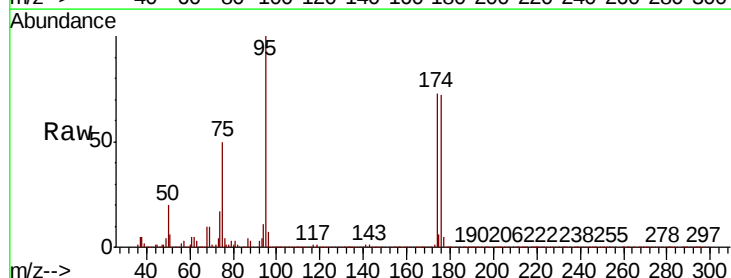
Tgt Ion: 75 Resp: 492306

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

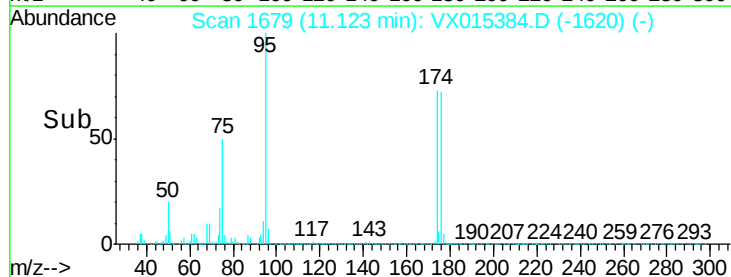
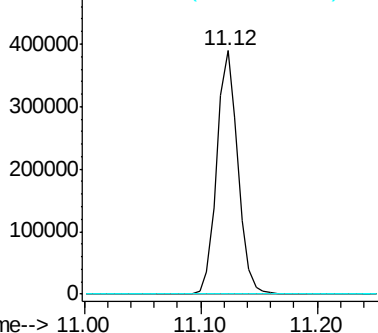
89 0.0 36.1 54.1#

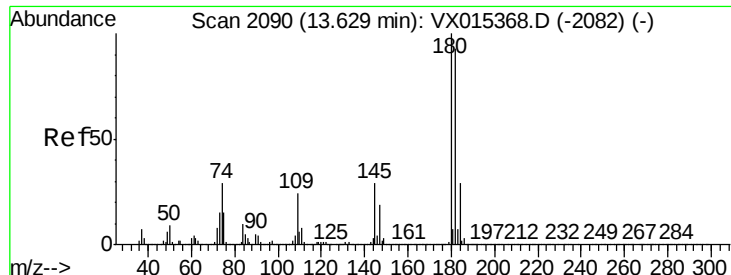


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#93
 1,2,4-Trichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VX015384.D
 Acq: 27 Mar 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20200316

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.9	140.7
145	36.0	14.9	44.5

