

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015393.D
 Acq On : 27 Mar 2020 19:37
 Operator : JC/SP
 Sample : L1997-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D1-20200319

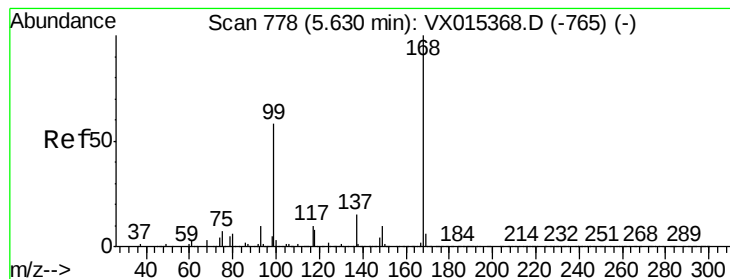
Quant Time: Mar 30 01:46:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1107158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1847629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1793402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	929835	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	751190	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	5.47	113	588861	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	8.70	98	2243754	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.12	95	975467	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1025	Below Cal	#	31
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2780	0.279	ug/l #	73
11) Tert butyl alcohol	3.00	59	781	0.209	ug/l #	1
13) Acrolein	2.27	56	773	0.363	ug/l #	52
16) Acetone	2.42	43	5495	0.819	ug/l #	62
18) Methyl Acetate	2.58	43	48347	2.824	ug/l #	59
31) Cyclohexane	5.64	56	24301	1.229	ug/l #	11
36) 1,1-Dichloropropene	5.63	75	86526	5.083	ug/l #	51
38) Carbon Tetrachloride	5.64	117	111413	6.042	ug/l #	16
44) Trichloroethene	7.20	130	414464	30.475	ug/l	96
49) 1,4-Dioxane	7.73	88	5220	14.971	ug/l #	84
64) Tetrachloroethene	9.32	164	16050	1.186	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	501433	26.224	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	501433	62.923	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015393.D

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ClientSampleId :

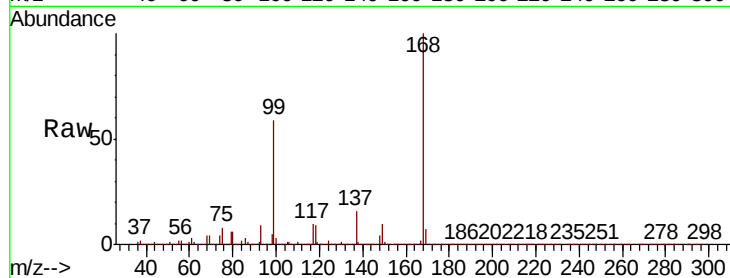
RE126D1-20200319

Tot Ion:168 Resp: 1107158

Ion Ratio Lower Upper

168 100

99 58.9 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

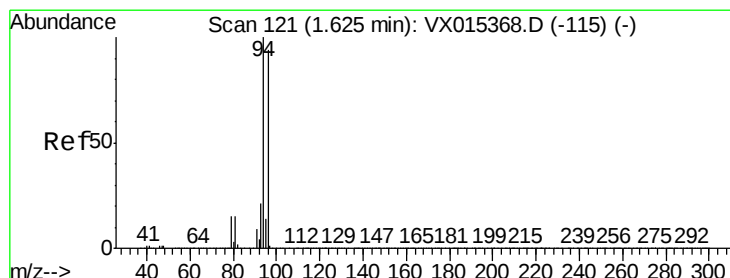
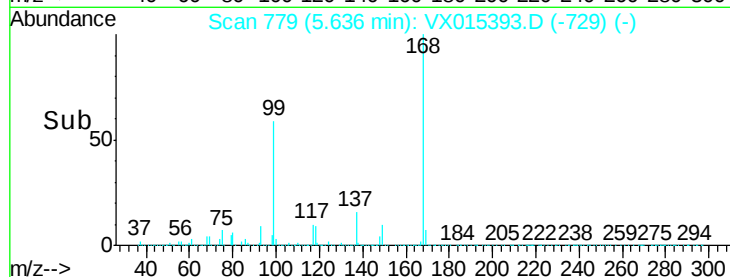
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015393.D

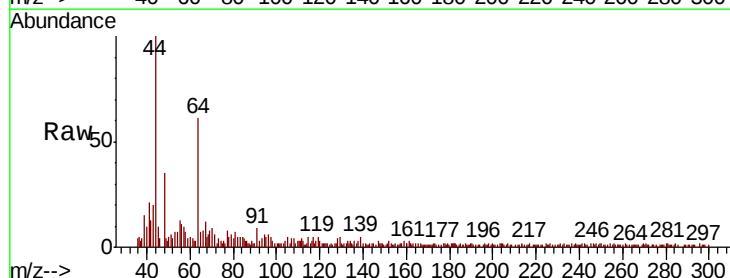
Acq: 27 Mar 2020 19:37

Tgt Ion: 94 Resp: 1025

Ion Ratio Lower Upper

94 100

96 27.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

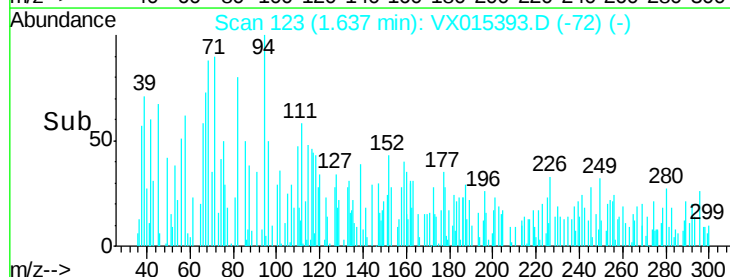
1500

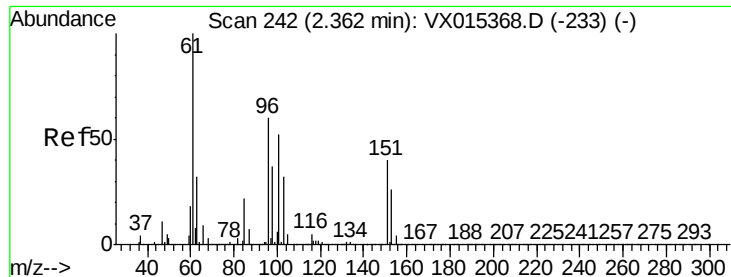
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.279 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

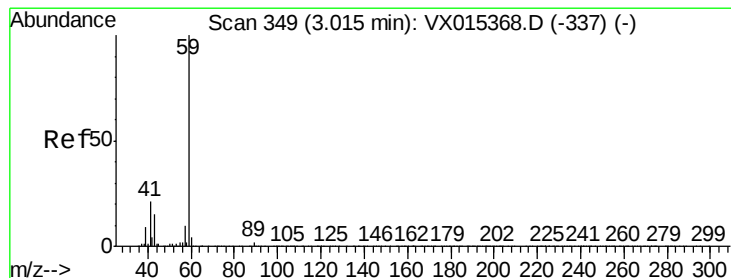
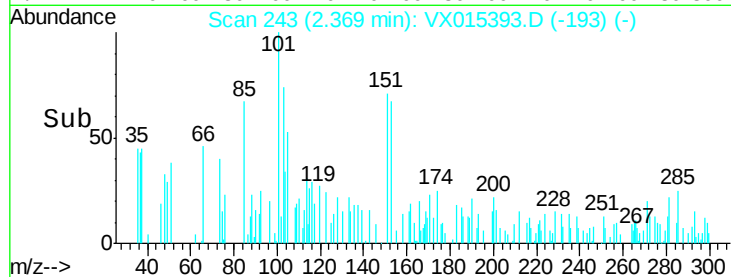
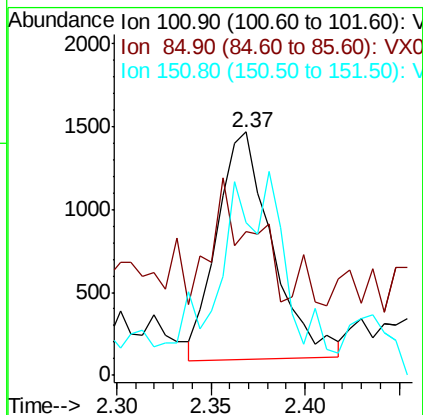
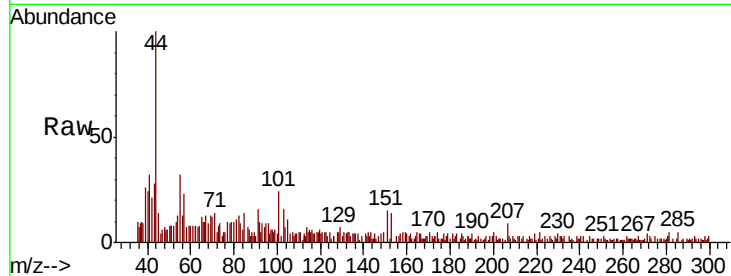
Instrument :

MSVOA_X

ClientSampleId :

RE126D1-20200319

Tot Ion:	101	Resp:	2780
Ion	Ratio	Lower	Upper
101	100		
85	40.3	35.0	52.4
151	46.5	64.1	96.1#



#11

Tert butyl alcohol

Concen: 0.209 ug/l

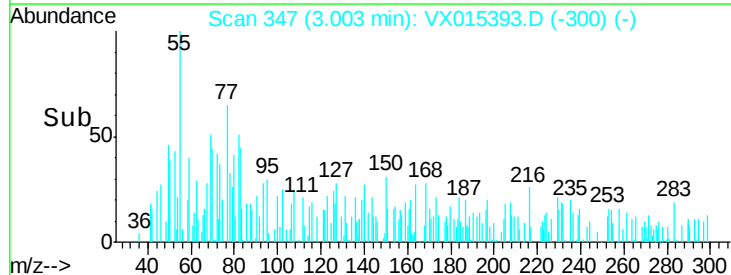
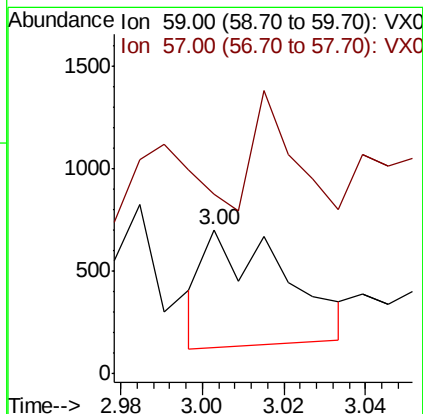
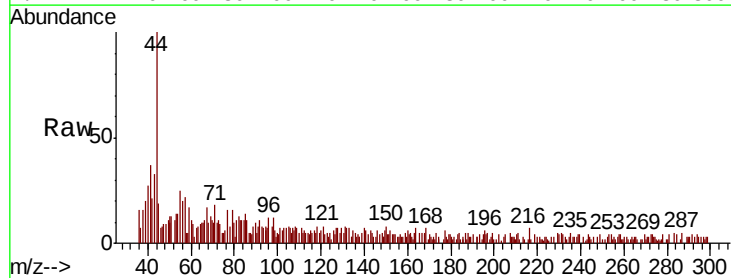
RT: 3.00 min Scan# 347

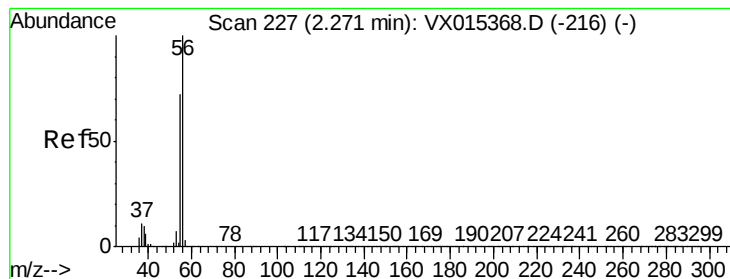
Delta R.T. -0.01 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

Tgt Ion:	59	Resp:	781
Ion	Ratio	Lower	Upper
59	100		
57	48.1	8.1	12.1#





#13

Acrolein

Concen: 0.363 ug/l

RT: 2.27 min Scan# 227

Delta R.T. 0.00 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

Instrument :

MSVOA_X

ClientSampleId :

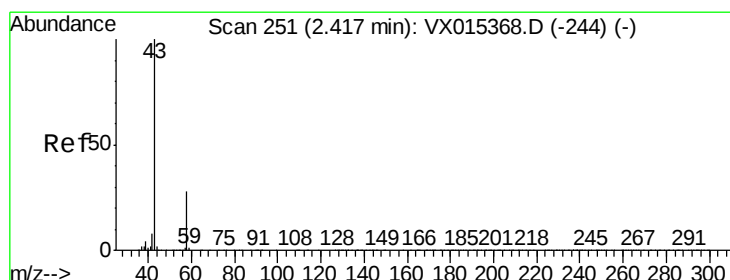
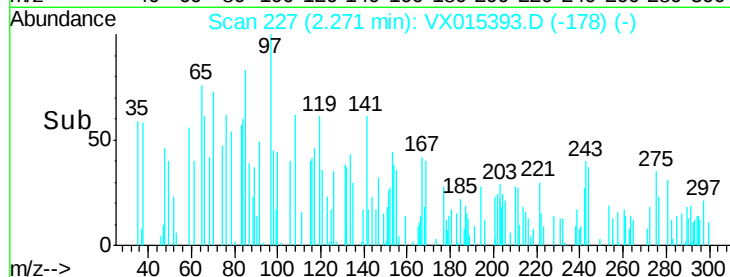
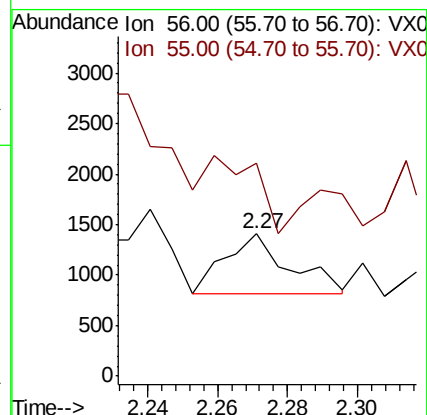
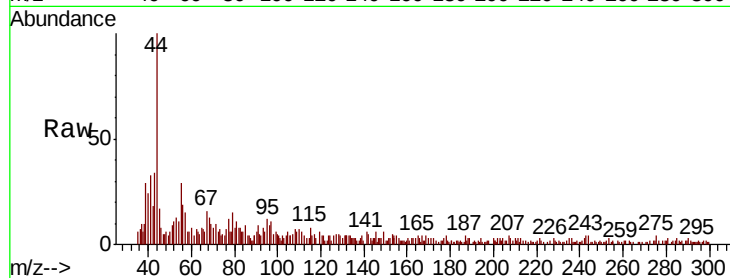
RE126D1-20200319

Tot Ion: 56 Resp: 773

Ion Ratio Lower Upper

56 100

55 31.7 57.0 85.4#



#16

Acetone

Concen: 0.819 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015393.D

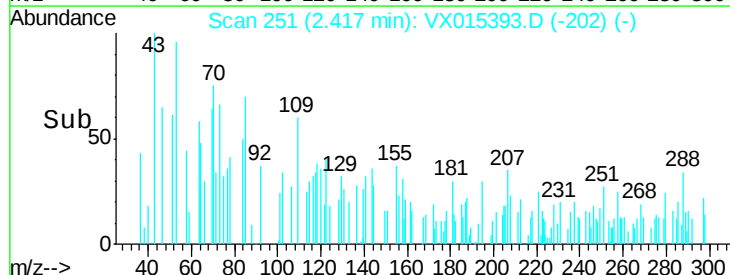
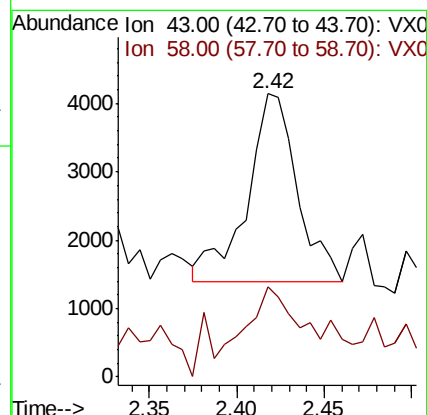
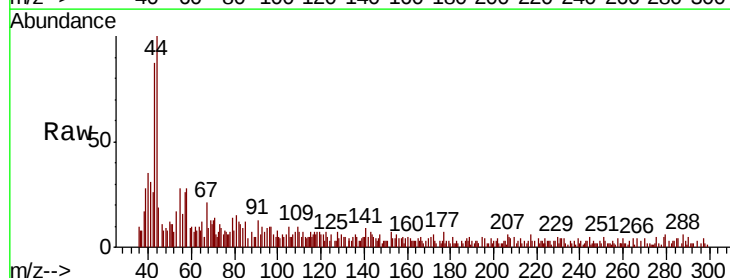
Acq: 27 Mar 2020 19:37

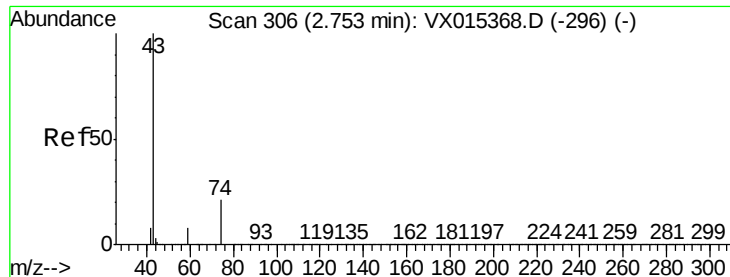
Tgt Ion: 43 Resp: 5495

Ion Ratio Lower Upper

43 100

58 47.7 22.1 33.1#

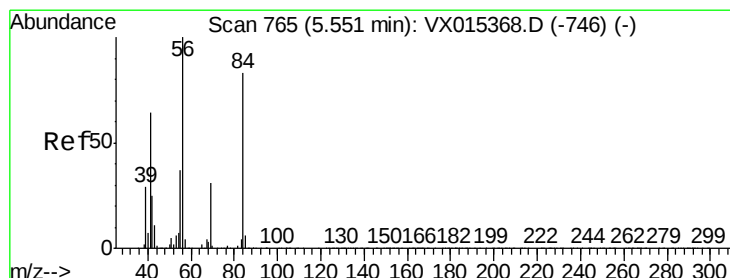
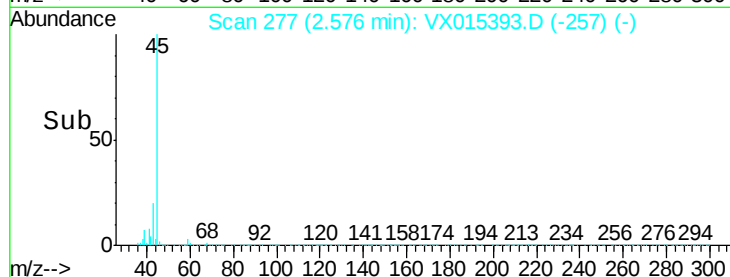
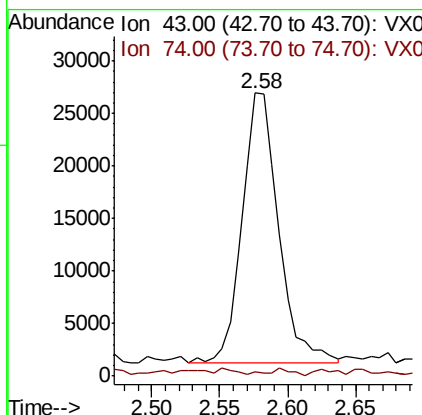
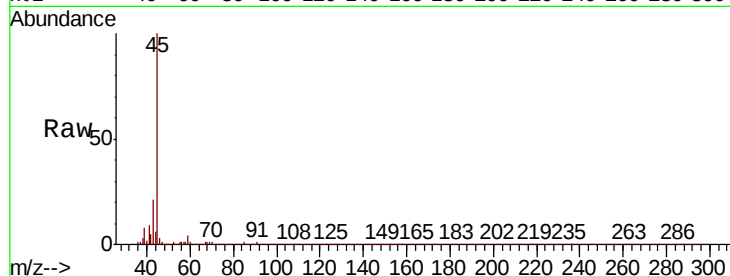




#18
Methvl Acetate
Concen: 2.824 ug/l
RT: 2.58 min Scan# 277
Delta R.T. -0.18 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

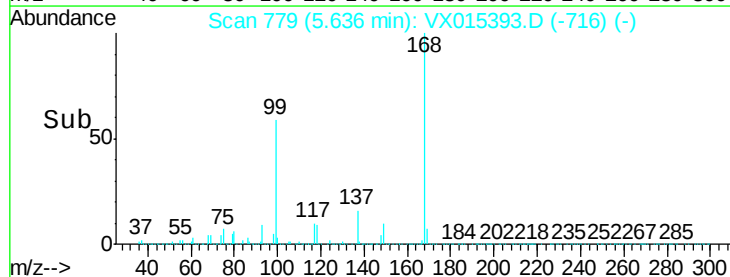
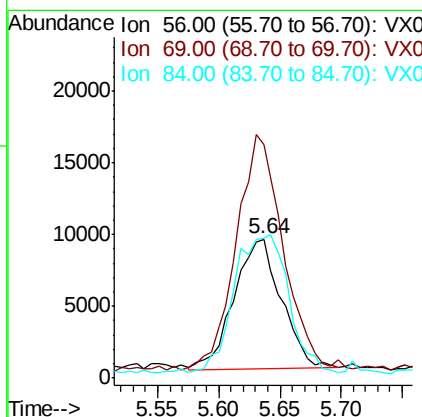
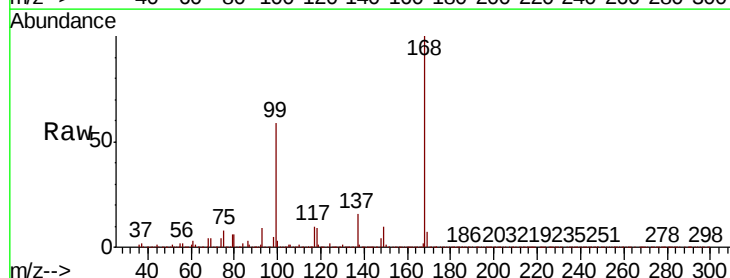
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20200319

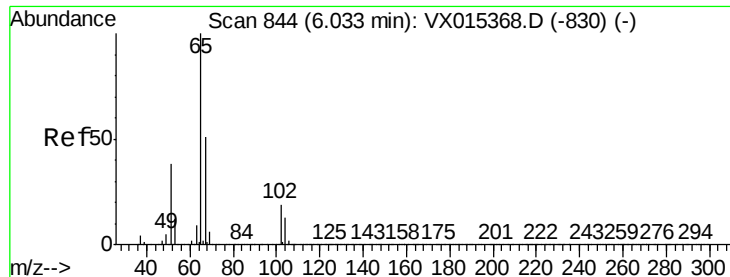
Tot Ion: 43 Resp: 48347
Ion Ratio Lower Upper
43 100
74 1.4 16.5 24.7#



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

Tgt Ion: 56 Resp: 24301
Ion Ratio Lower Upper
56 100
69 173.6 24.6 36.8#
84 105.0 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.106 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

Instrument :

MSVOA_X

ClientSampleId :

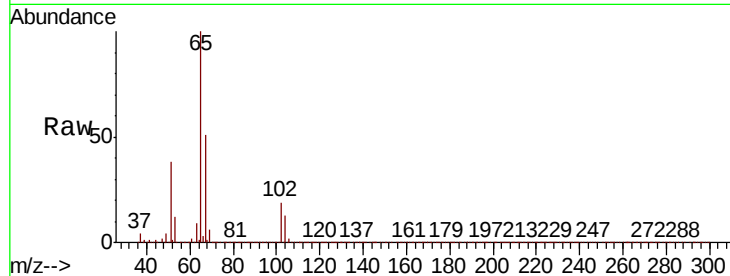
RE126D1-20200319

Tot Ion: 65 Resp: 751190

Ion Ratio Lower Upper

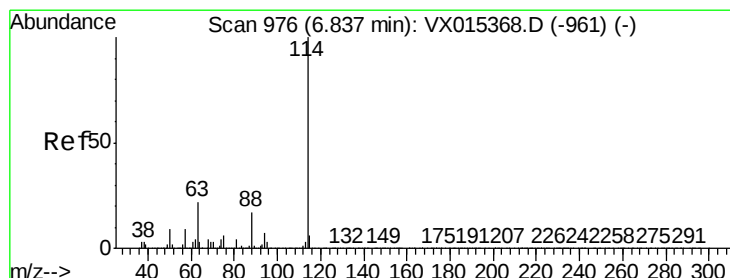
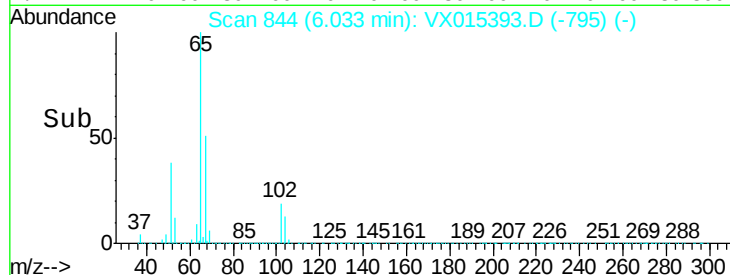
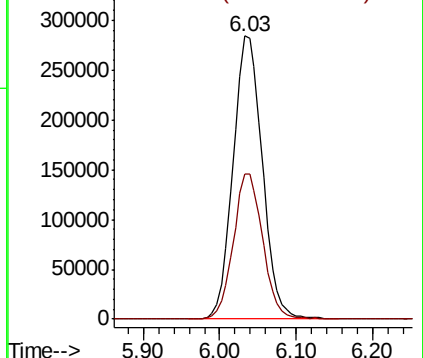
65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

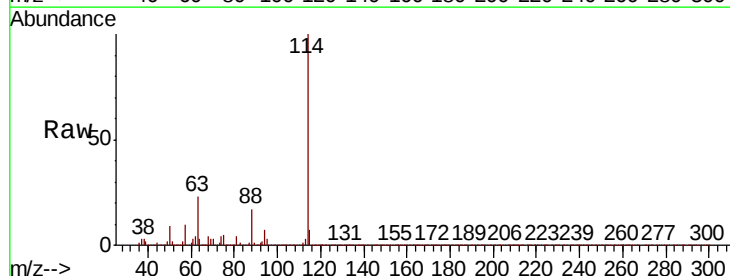
Tgt Ion: 114 Resp: 1847629

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.2

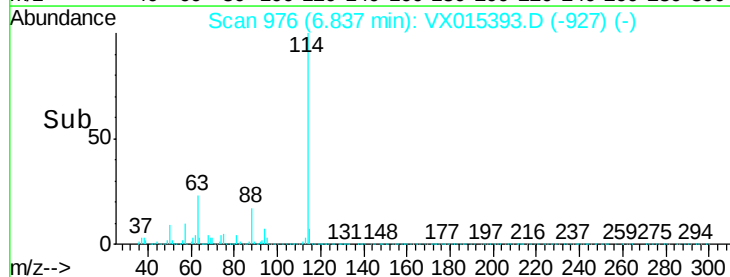
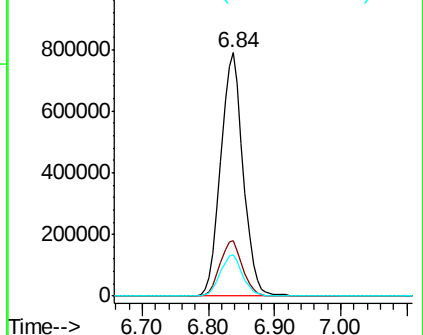
88 16.8 0.0 33.8

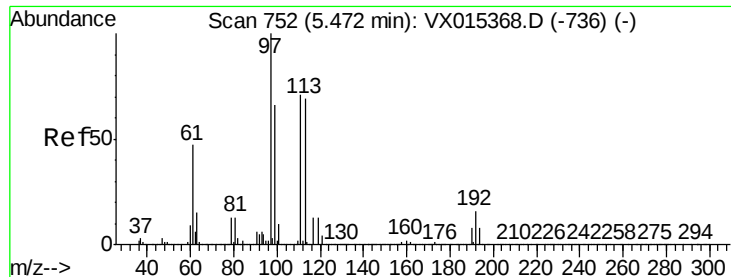


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

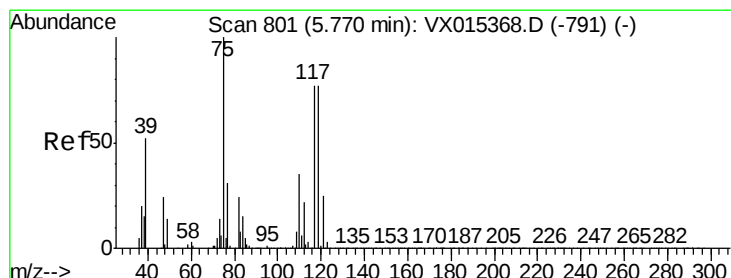
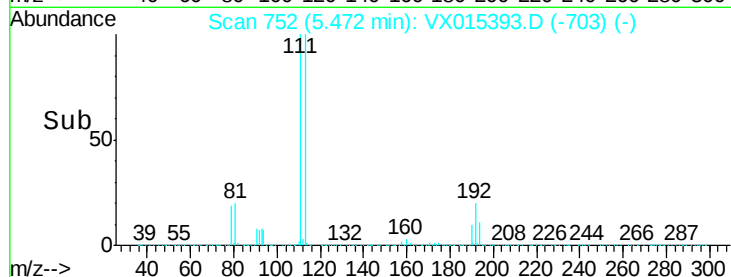
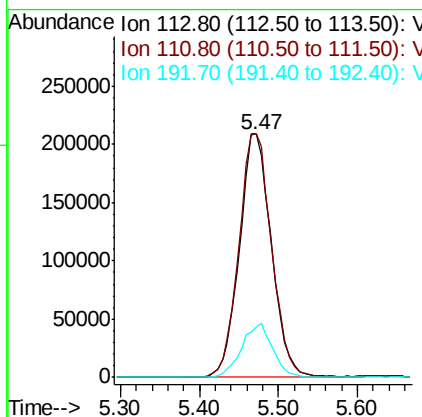
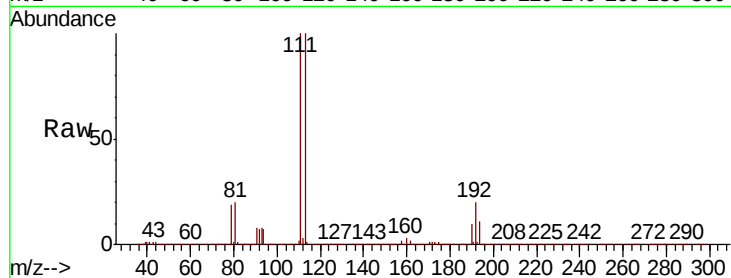




#35
Dibromofluoromethane
Concen: 49.859 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

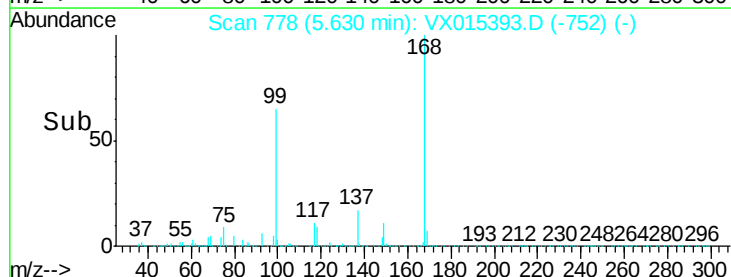
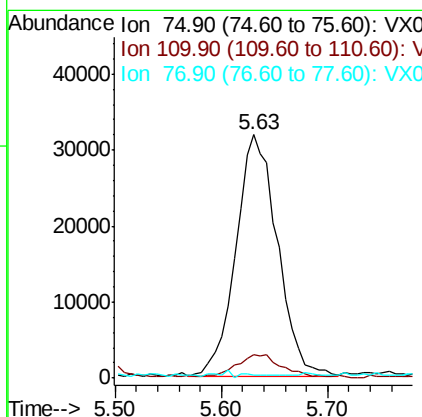
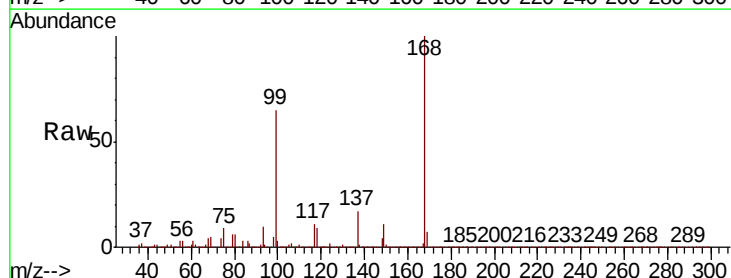
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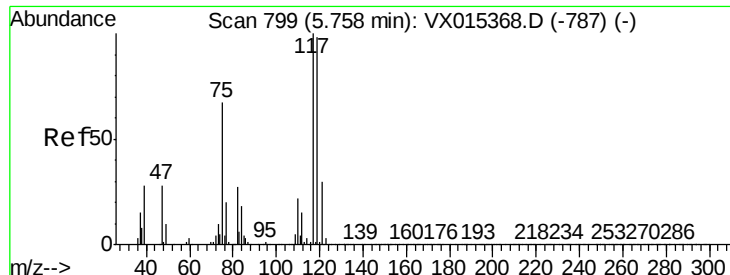
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	21.4	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.1	51.3#
77	0.3	24.6	36.8#

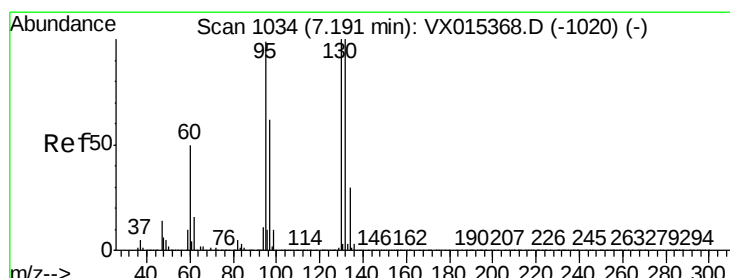
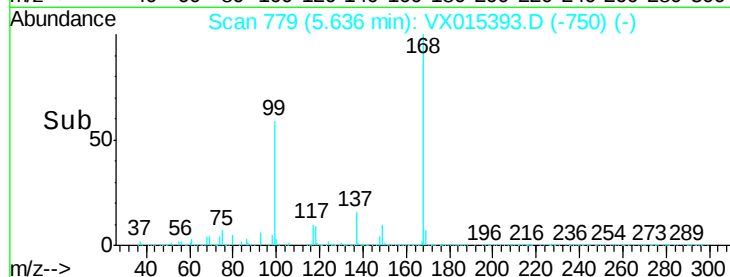
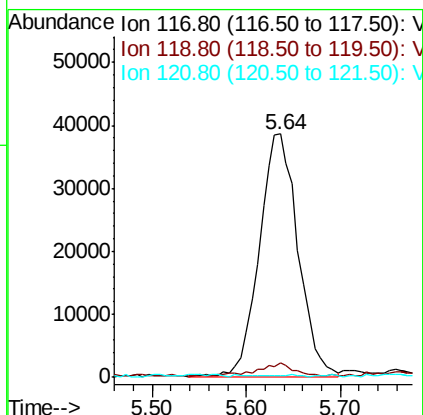
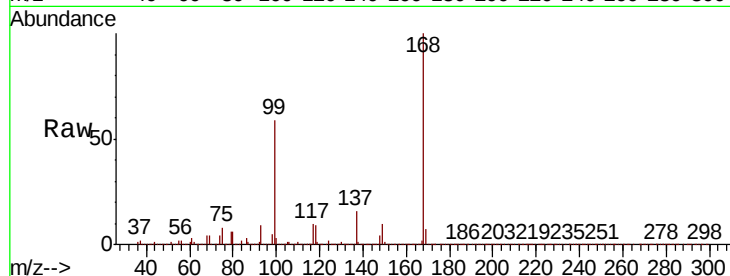




#38
Carbon Tetrachloride
Concen: 6.042 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

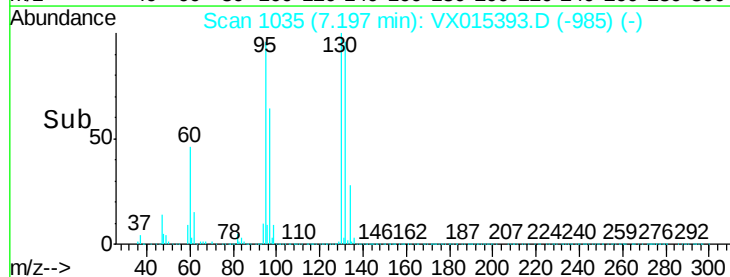
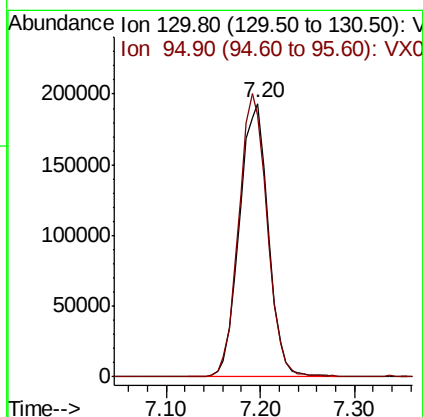
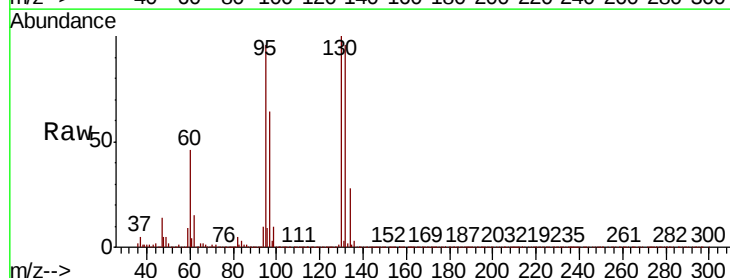
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20200319

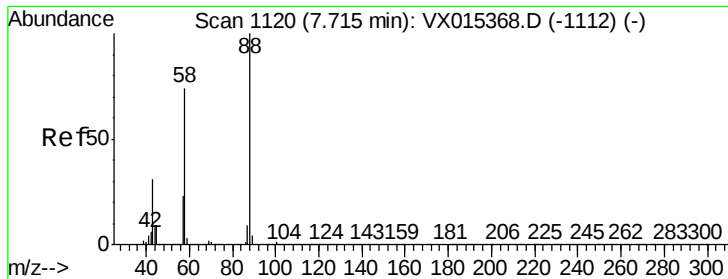
Tot Ion:117 Resp: 111413
Ion Ratio Lower Upper
117 100
119 5.4 78.0 117.0#
121 0.2 23.8 35.8#



#44
Trichloroethene
Concen: 30.475 ug/l
RT: 7.20 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

Tgt Ion:130 Resp: 414464
Ion Ratio Lower Upper
130 100
95 95.7 0.0 199.0

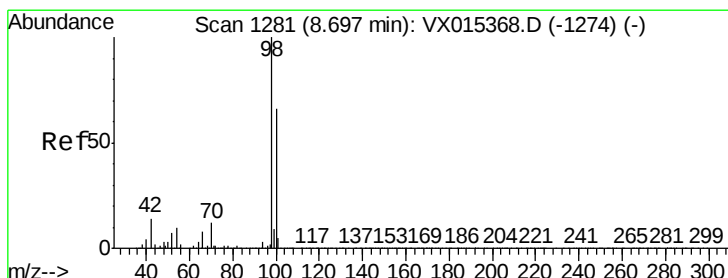
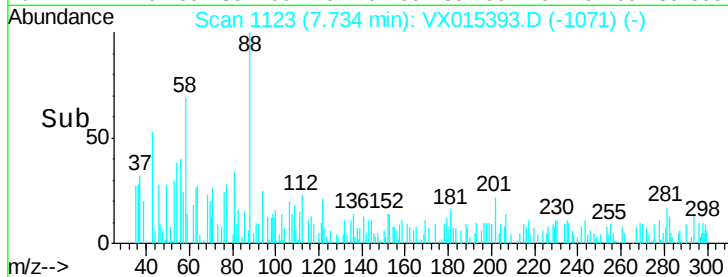
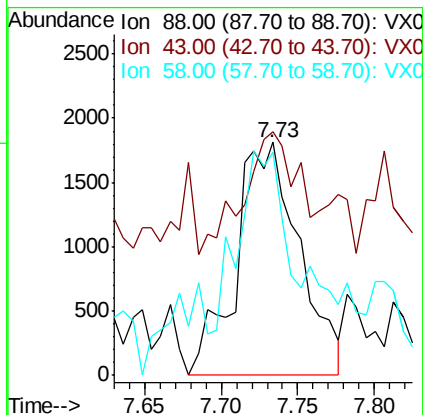
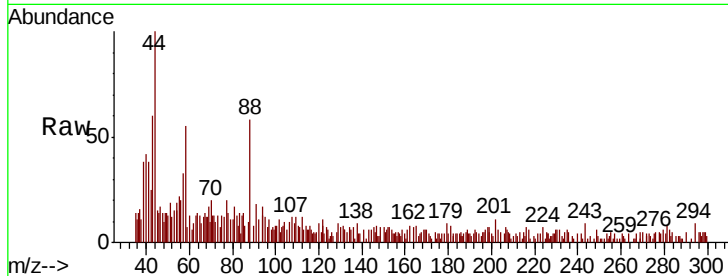




#49
1,4-Dioxane
Concen: 14.971 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.02 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

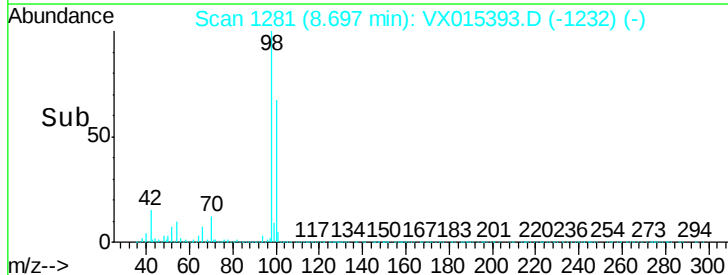
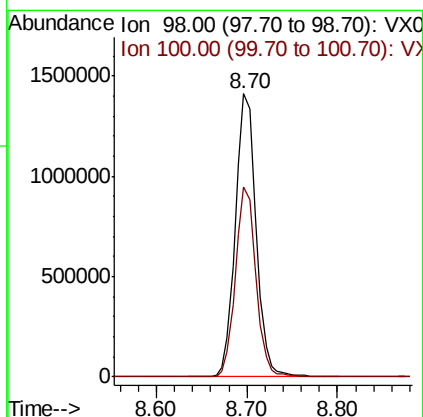
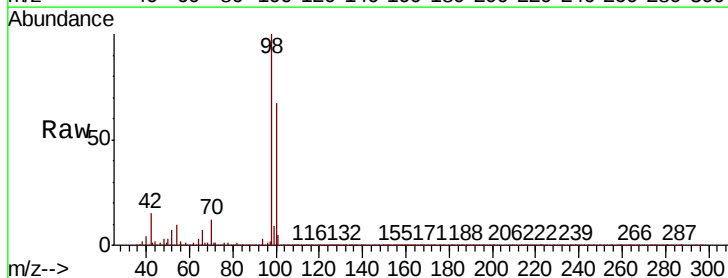
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20200319

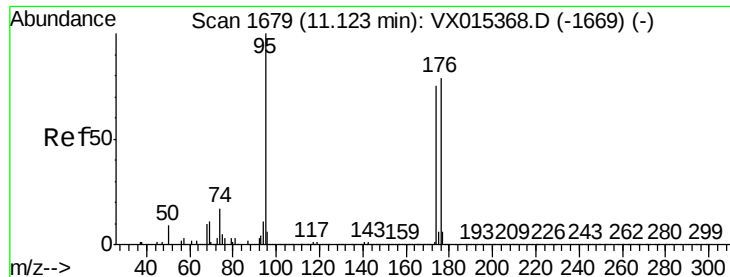
Tot Ion: 88 Resp: 5220
Ion Ratio Lower Upper
88 100
43 41.5 30.1 45.1
58 58.0 60.6 90.8#



#50
Toluene-d8
Concen: 51.600 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

Tgt Ion: 98 Resp: 2243754
Ion Ratio Lower Upper
98 100
100 66.6 53.5 80.3

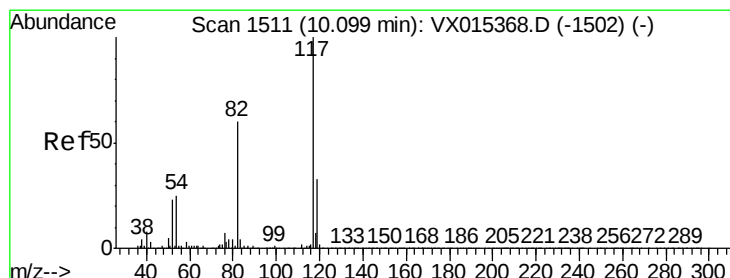
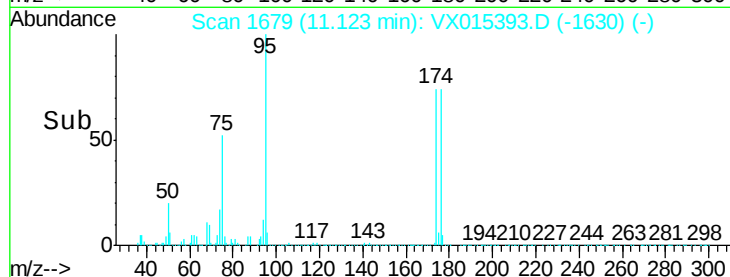
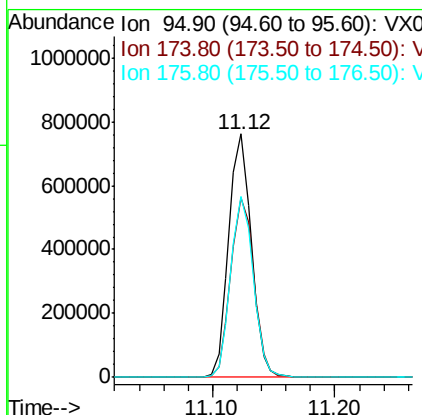
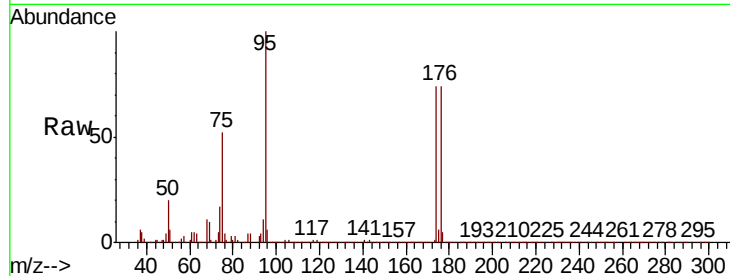




#62
4-Bromofluorobenzene
Concen: 55.199 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

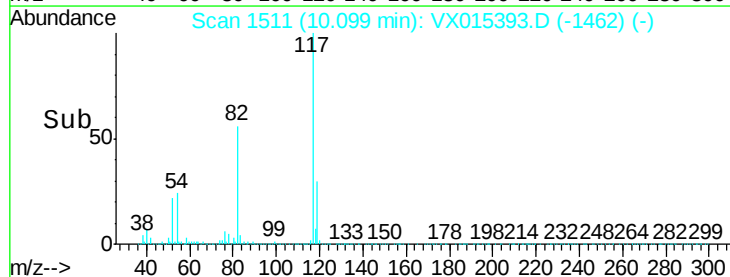
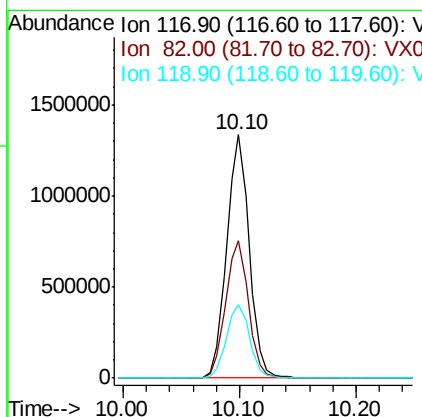
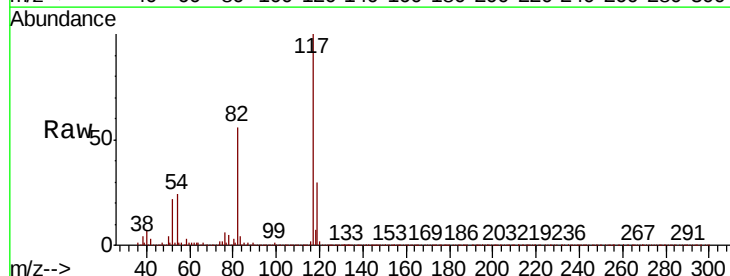
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20200319

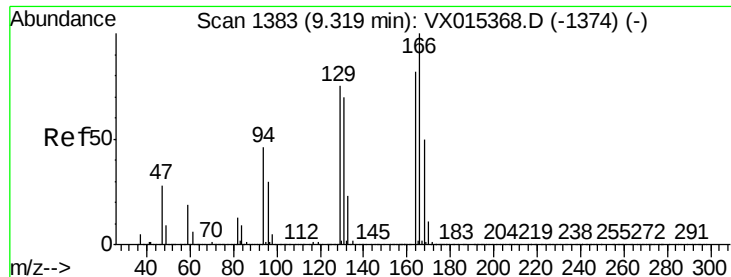
Tot Ion: 95 Resp: 975467
Ion Ratio Lower Upper
95 100
174 75.6 0.0 158.6
176 74.1 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015393.D
Acq: 27 Mar 2020 19:37

Tgt Ion: 117 Resp: 1793402
Ion Ratio Lower Upper
117 100
82 56.2 47.8 71.8
119 30.1 26.8 40.2





#64

Tetrachloroethene

Concen: 1.186 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

Instrument :

MSVOA_X

ClientSampleId :

RE126D1-20200319

Tot Ion:164 Resp: 16050

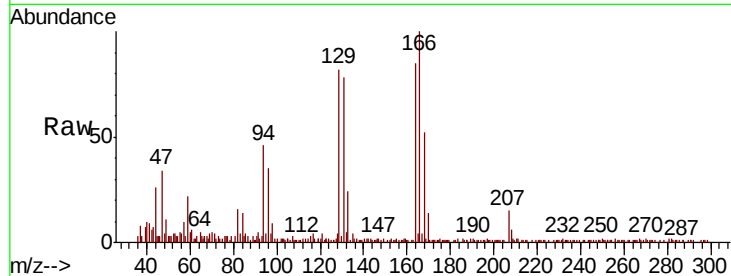
Ion Ratio Lower Upper

164 100

166 116.5 97.8 146.6

129 94.3 73.0 109.4

131 88.7 68.6 103.0



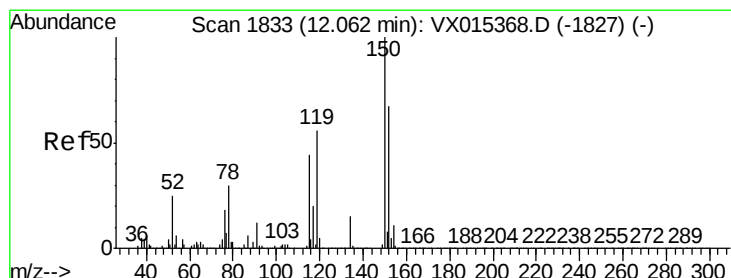
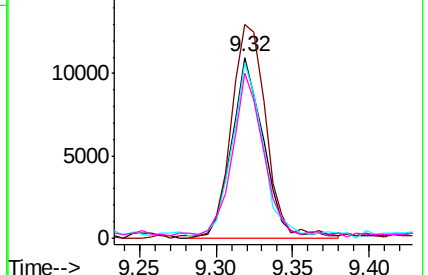
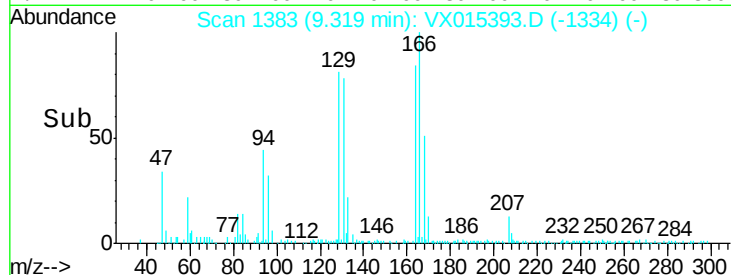
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

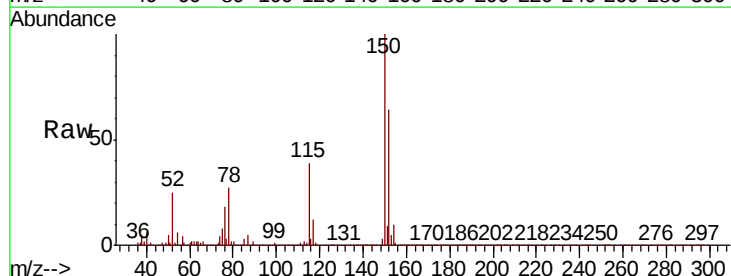
Tgt Ion:152 Resp: 929835

Ion Ratio Lower Upper

152 100

115 60.1 39.0 116.9

150 158.1 0.0 340.8

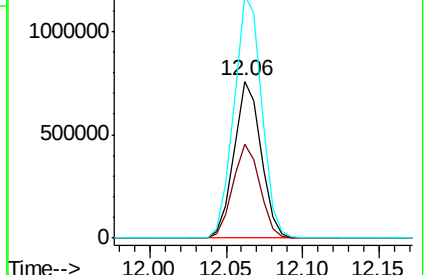
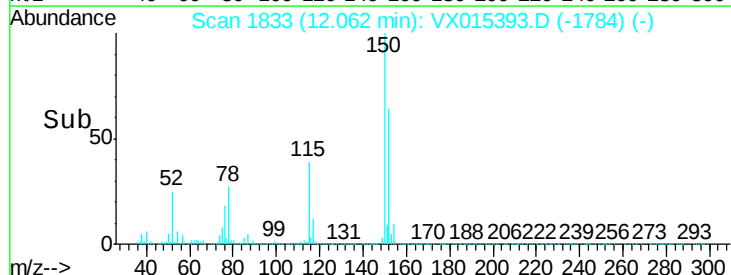


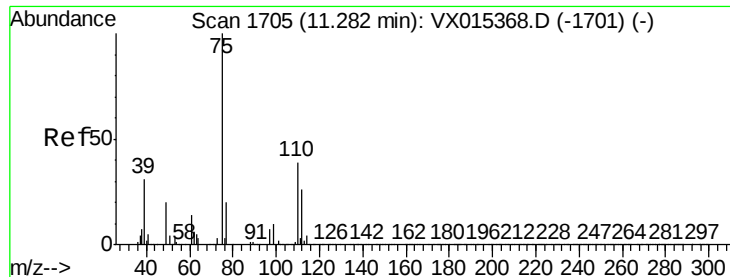
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 26.224 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

Instrument :

MSVOA_X

ClientSampleId :

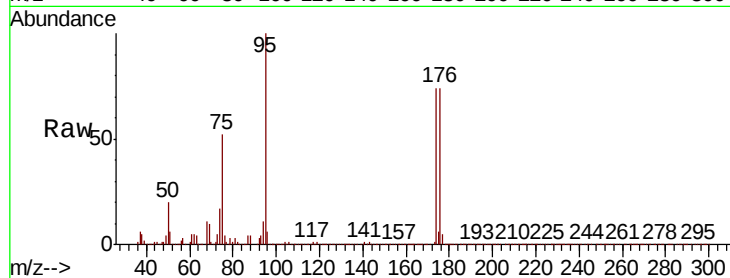
RE126D1-20200319

Tot Ion: 75 Resp: 501433

Ion Ratio Lower Upper

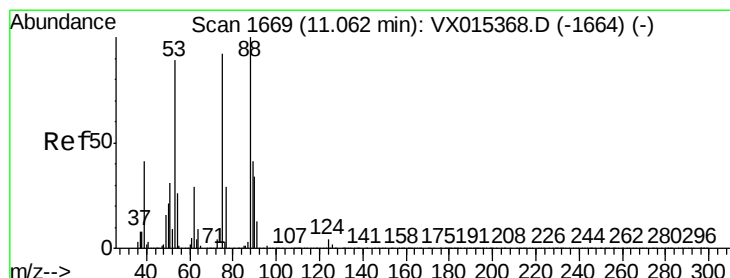
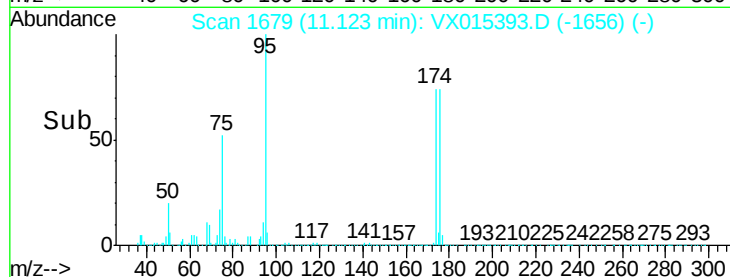
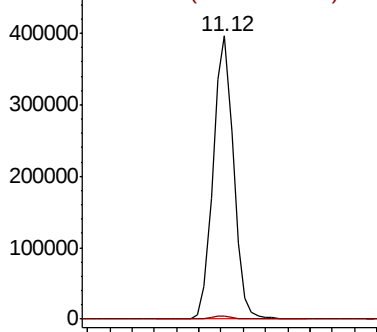
75 100

77 1.1 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: 62.923 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015393.D

Acq: 27 Mar 2020 19:37

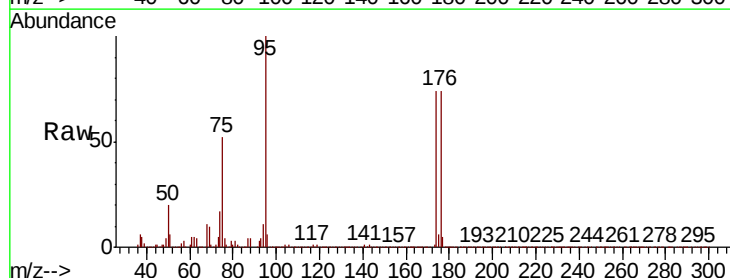
Tgt Ion: 75 Resp: 501433

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 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

