

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031620\
 Data File : VX015306.D
 Acq On : 16 Mar 2020 20:05
 Operator : JC/SP
 Sample : L1945-06DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20200312DL

Quant Time: Mar 17 07:44:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	297916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	487780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	477429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	243435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	172511	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	5.49	113	149211	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	596165	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.13	95	219961	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	

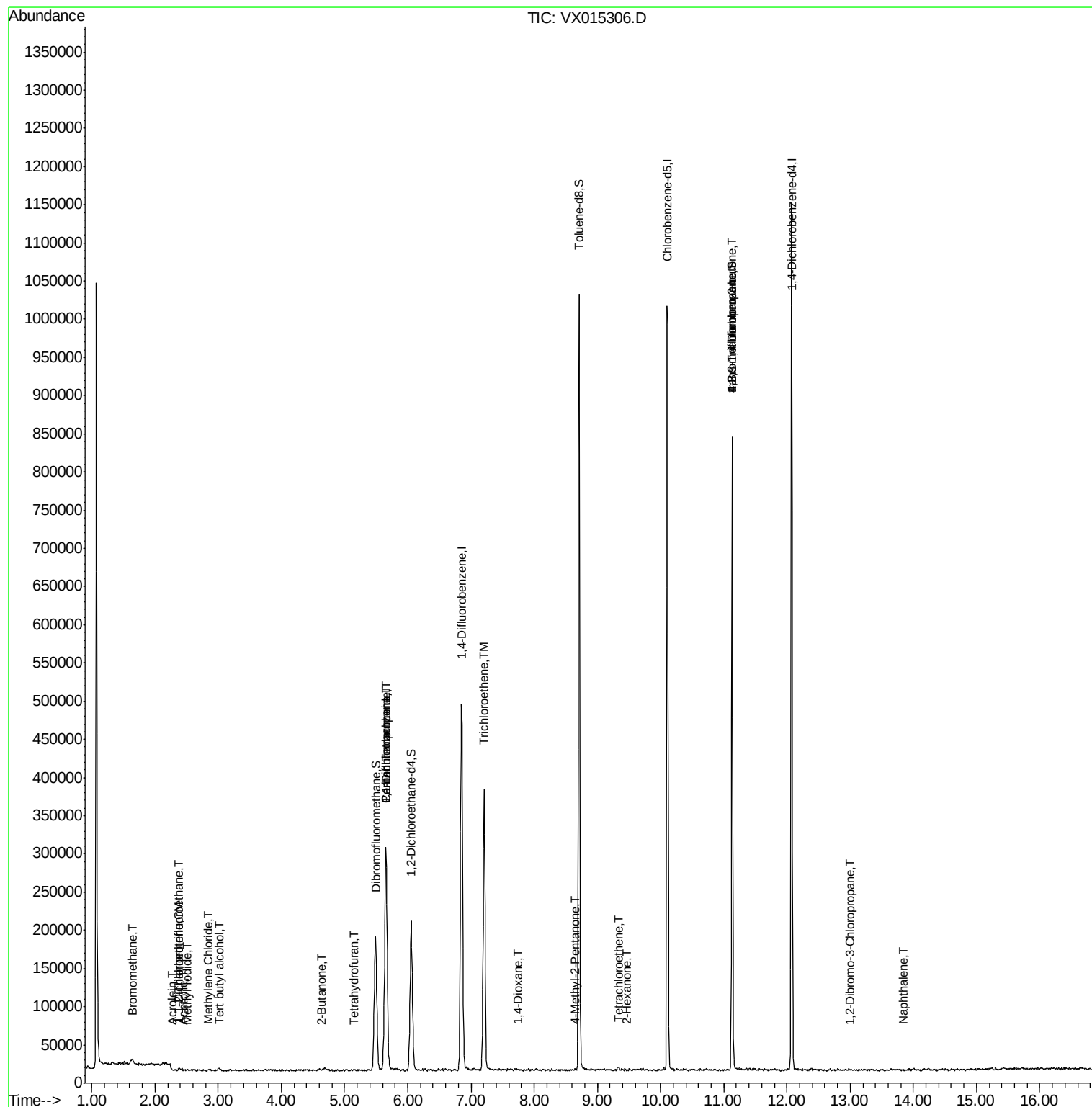
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	886	0.385	ug/l #	70
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1093	0.390	ug/l #	71
10) Methyl Iodide	2.51	142	825	0.260	ug/l #	84
11) Tert butyl alcohol	3.01	59	2378	3.878	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	677	0.234	ug/l #	45
13) Acrolein	2.28	56	255	0.442	ug/l #	1
16) Acetone	2.45	43	1349	0.942	ug/l #	62
20) Methylene Chloride	2.85	84	1316	0.393	ug/l #	71
25) 2-Butanone	4.64	43	562	0.268	ug/l #	51
29) Tetrahydrofuran	5.14	42	339	0.251	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	20998	4.657	ug/l #	53
38) Carbon Tetrachloride	5.65	117	26720	6.278	ug/l #	16
44) Trichloroethene	7.21	130	150139	40.297	ug/l	98
49) 1,4-Dioxane	7.74	88	212	2.618	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1173	0.270	ug/l #	84
59) 2-Hexanone	9.46	43	671	0.208	ug/l #	24
64) Tetrachloroethene	9.34	164	1331	0.337	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	106210	21.873	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	106210	62.075	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	211	0.203	ug/l #	7
95) Naphthalene	13.83	128	823	1.469	ug/l #	41

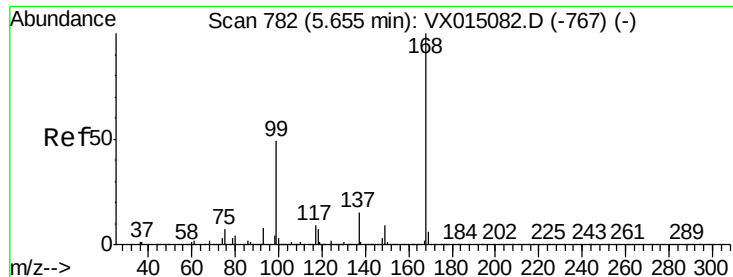
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031620\
Data File : VX015306.D
Acq On : 16 Mar 2020 20:05
Operator : JC/SP
Sample : L1945-06DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20200312DL

Quant Time: Mar 17 07:44:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

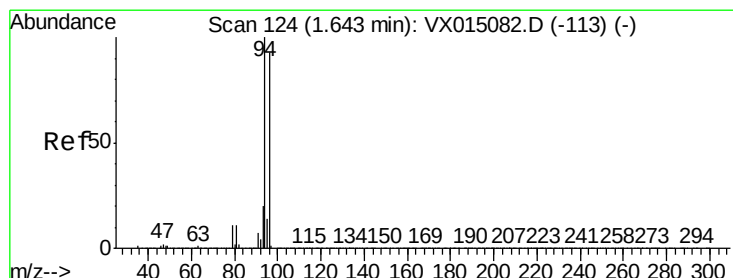
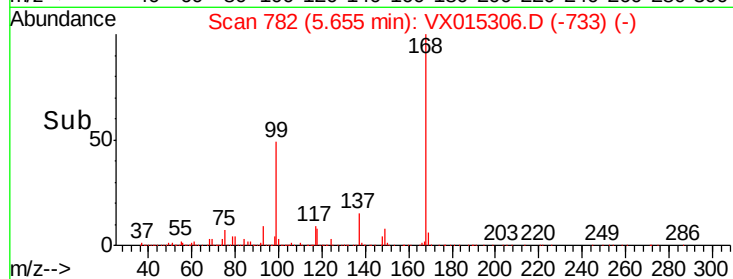
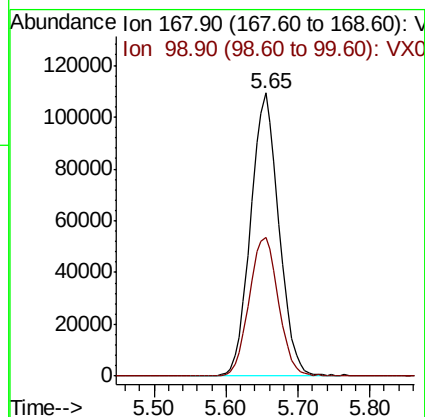
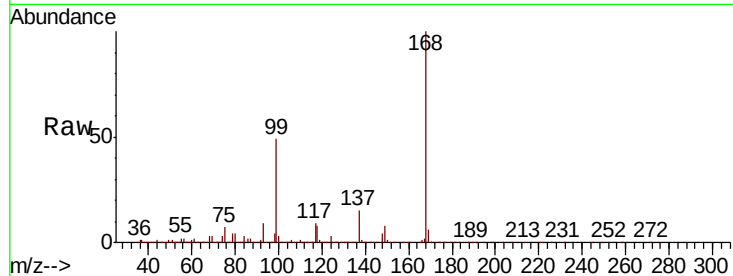




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

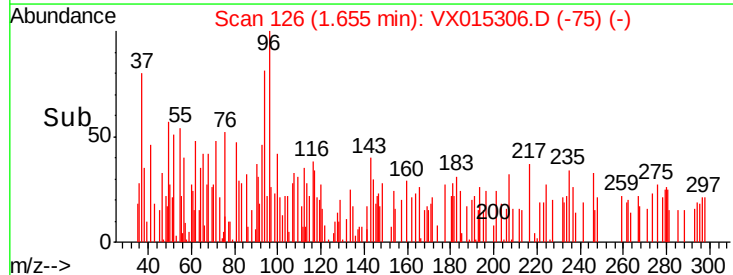
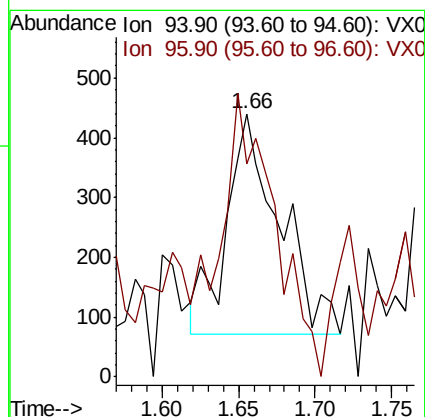
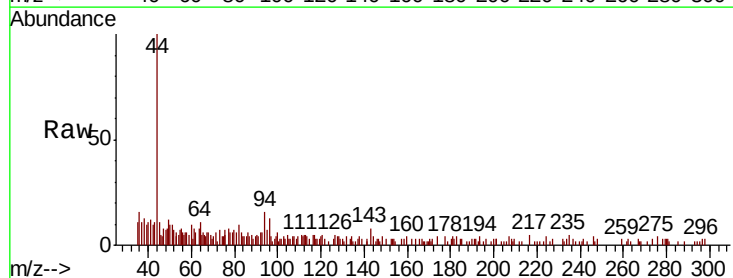
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20200312DL

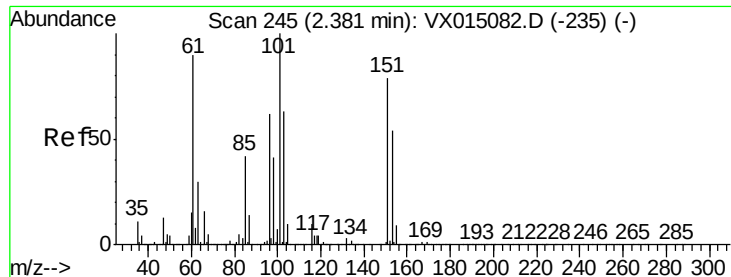
Tot Ion:168 Resp: 297916
Ion Ratio Lower Upper
168 100
99 49.1 39.4 59.2



#5
Bromomethane
Concen: 0.385 ug/l
RT: 1.66 min Scan# 126
Delta R.T. 0.01 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

Tgt Ion: 94 Resp: 886
Ion Ratio Lower Upper
94 100
96 64.1 74.6 111.8#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.390 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20200312DL

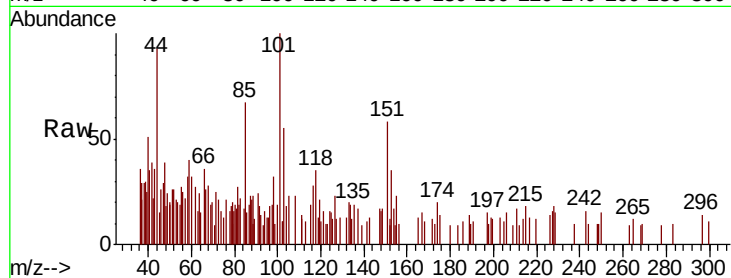
Tot Ion:101 Resp: 1093

Ion Ratio Lower Upper

101 100

85 84.3 33.7 50.5#

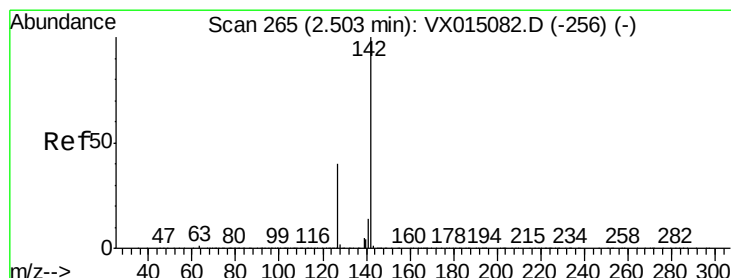
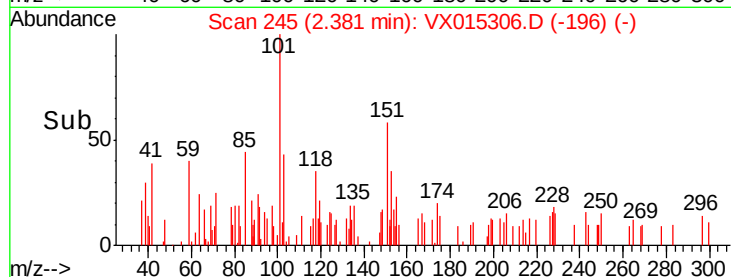
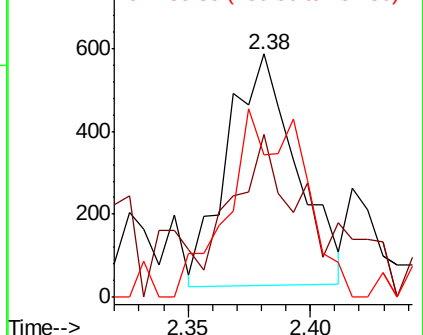
151 88.4 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.260 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

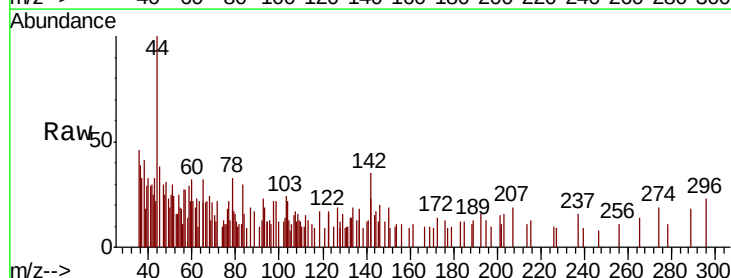
Tgt Ion:142 Resp: 825

Ion Ratio Lower Upper

142 100

127 26.9 31.7 47.5#

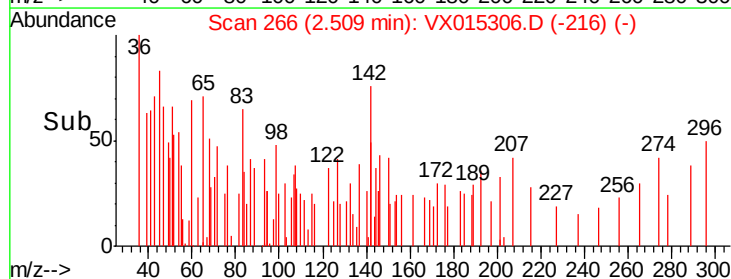
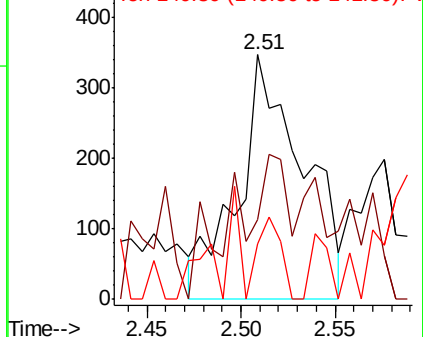
141 12.1 11.3 16.9

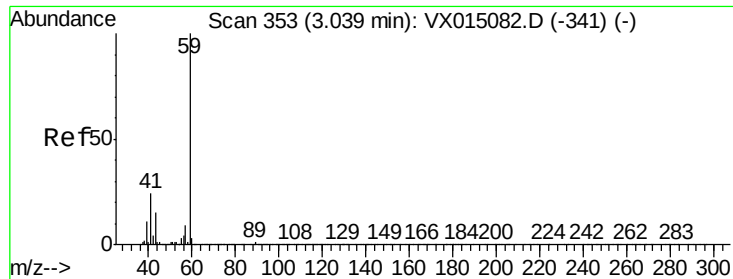


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

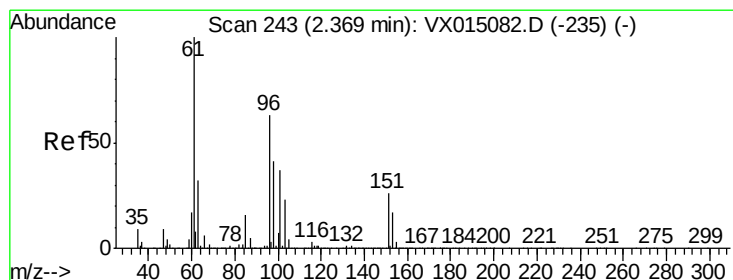
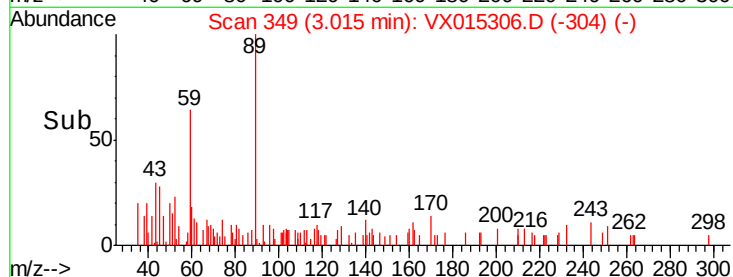
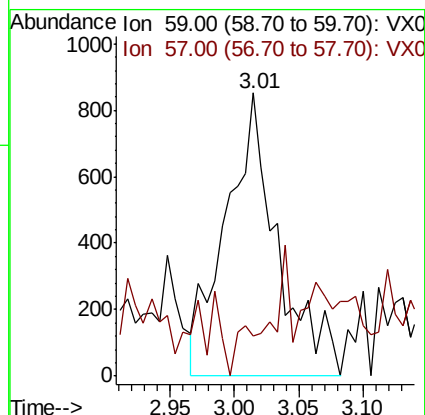
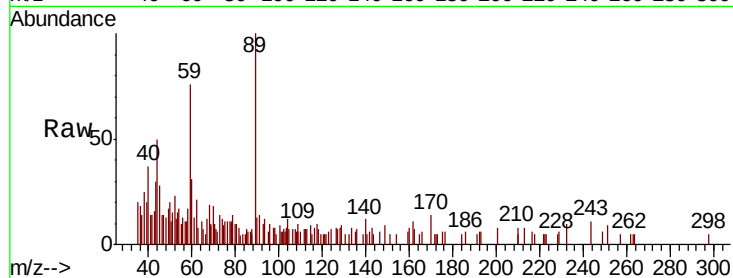




#11
Tert butyl alcohol
Concen: 3.878 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

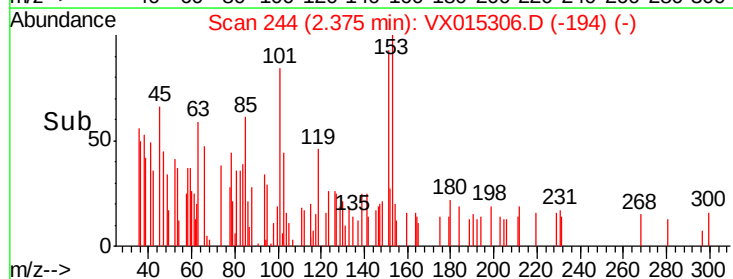
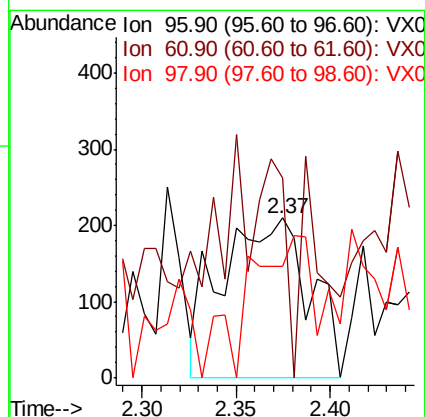
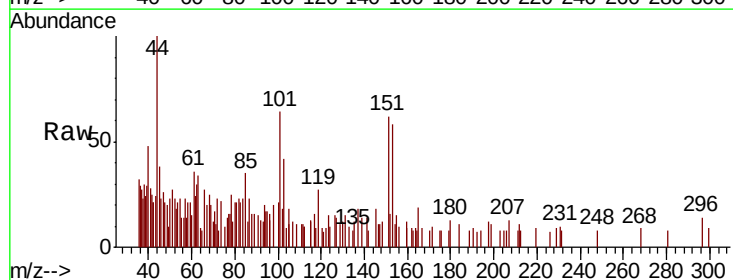
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20200312DL

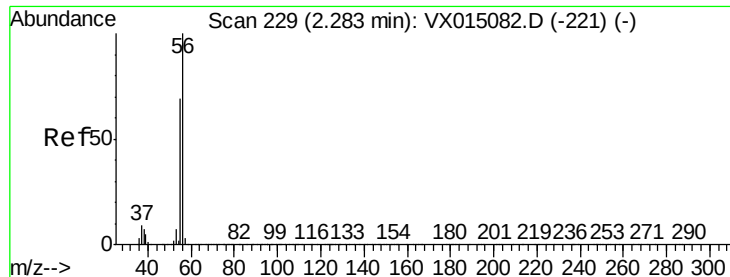
Tot Ion: 59 Resp: 2378
Ion Ratio Lower Upper
59 100
57 6.2 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.234 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

Tgt Ion: 96 Resp: 677
Ion Ratio Lower Upper
96 100
61 74.8 126.2 189.4#
98 36.7 51.4 77.0#





#13

Acrolein

Concen: 0.442 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_X

ClientSampleId :

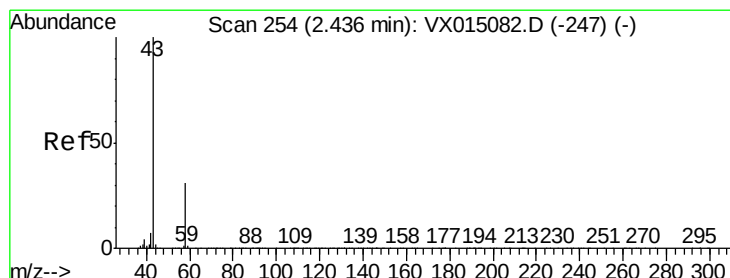
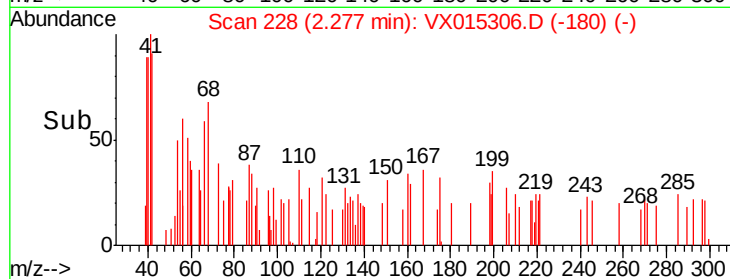
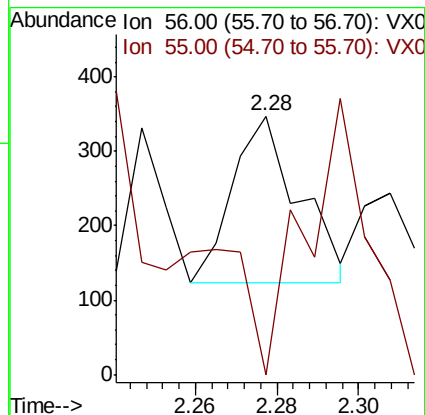
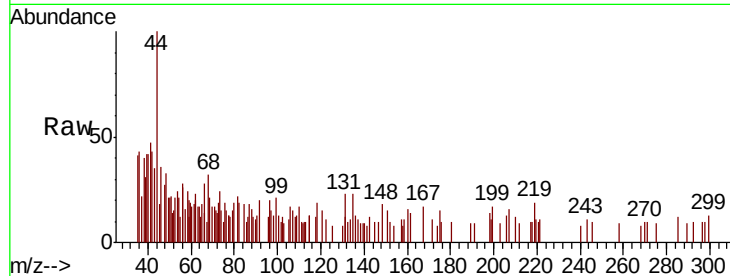
RE122D1-20200312DL

Tot Ion: 56 Resp: 255

Ion Ratio Lower Upper

56 100

55 152.2 55.4 83.0#



#16

Acetone

Concen: 0.942 ug/l

RT: 2.45 min Scan# 256

Delta R.T. 0.01 min

Lab File: VX015306.D

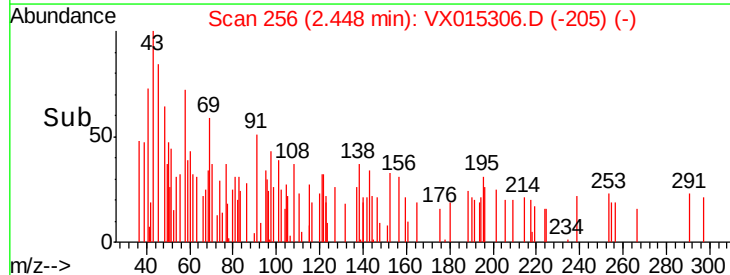
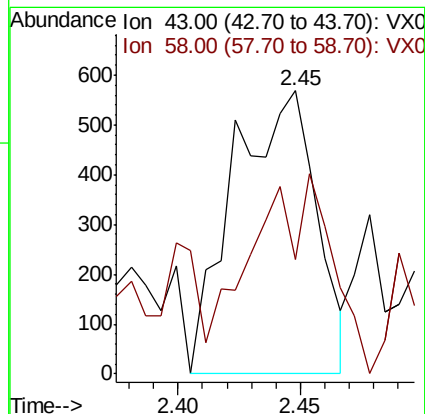
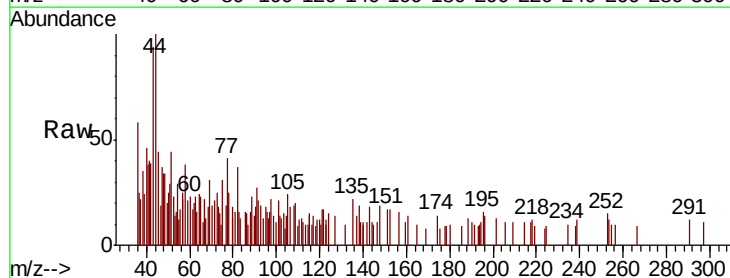
Acq: 16 Mar 2020 20:05

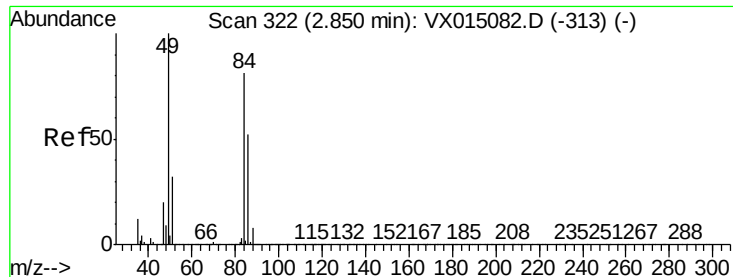
Tgt Ion: 43 Resp: 1349

Ion Ratio Lower Upper

43 100

58 10.0 24.8 37.2#





#20

Methylene Chloride

Concen: 0.393 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20200312DL

Tot Ion: 84 Resp: 1316

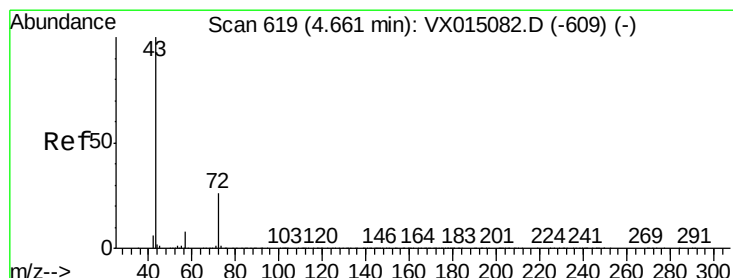
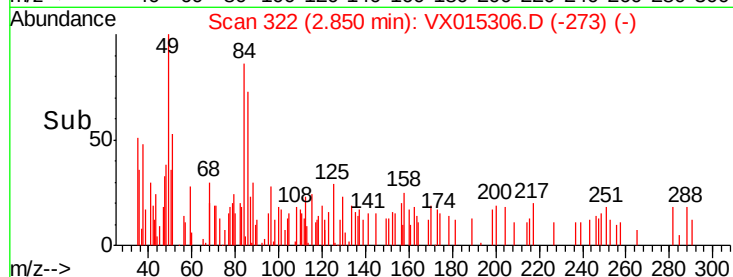
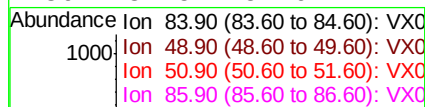
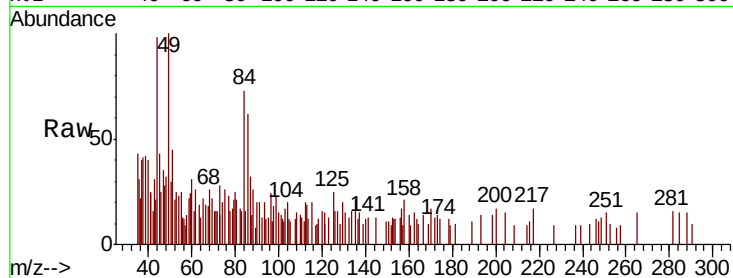
Ion Ratio Lower Upper

84 100

49 97.0 99.4 149.2#

51 10.2 31.5 47.3#

86 84.5 51.6 77.4#



#25

2-Butanone

Concen: 0.268 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.02 min

Lab File: VX015306.D

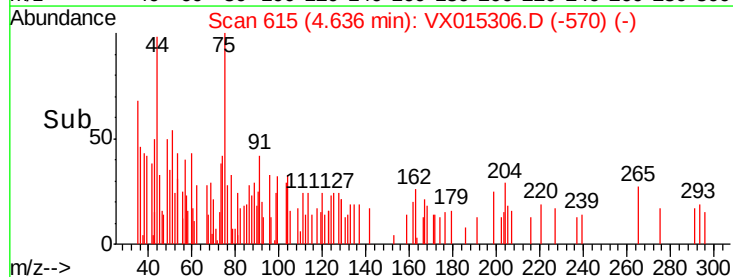
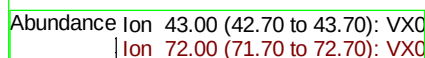
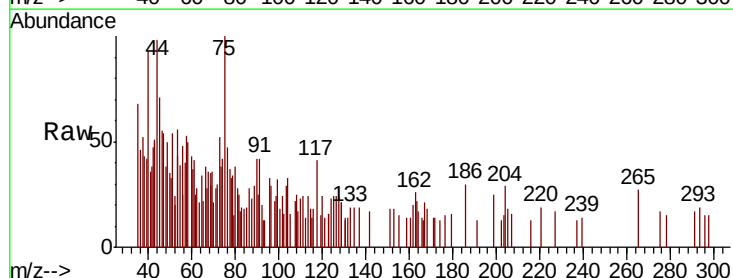
Acq: 16 Mar 2020 20:05

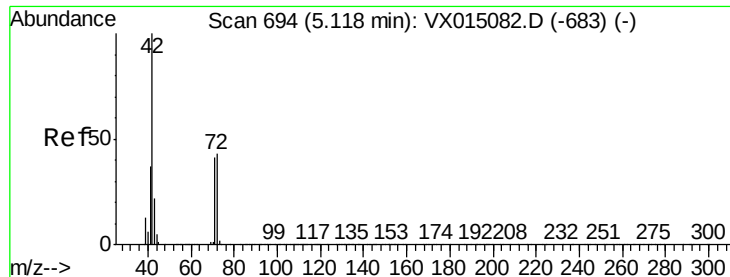
Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

72 1.0 20.6 30.8#





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20200312DL

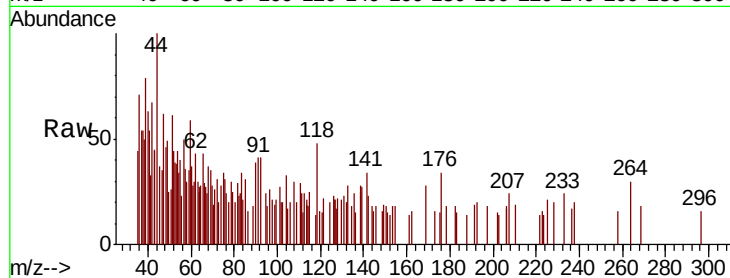
Tot Ion: 42 Resp: 339

Ion Ratio Lower Upper

42 100

72 84.4 36.4 54.6#

71 47.8 33.3 49.9

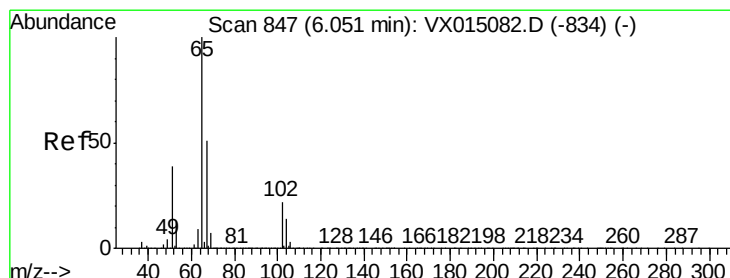
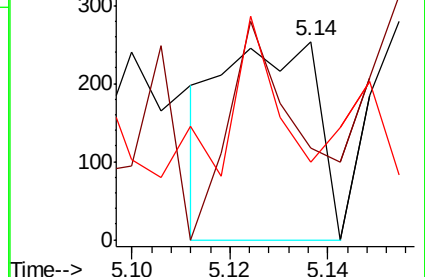
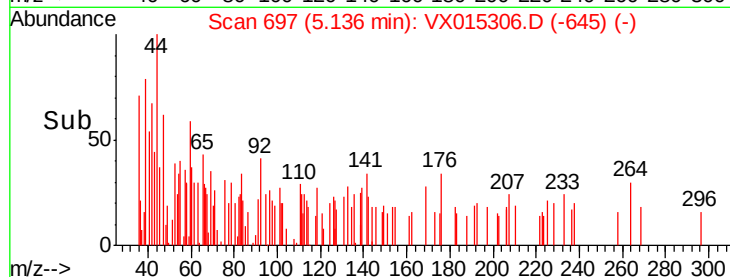


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.809 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015306.D

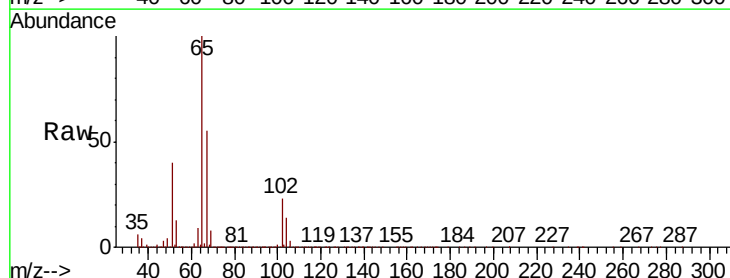
Acq: 16 Mar 2020 20:05

Tgt Ion: 65 Resp: 172511

Ion Ratio Lower Upper

65 100

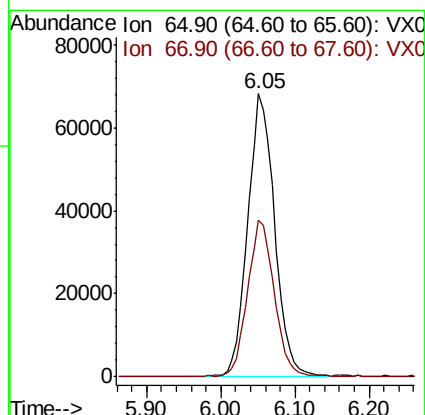
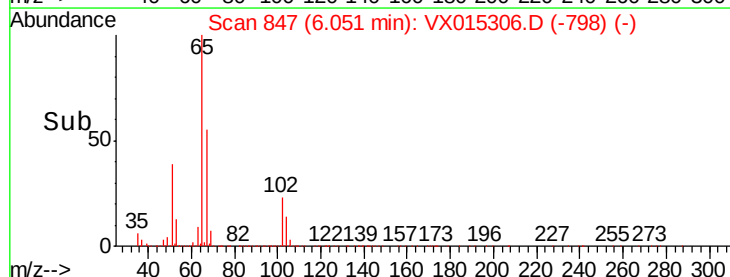
67 54.8 0.0 105.6

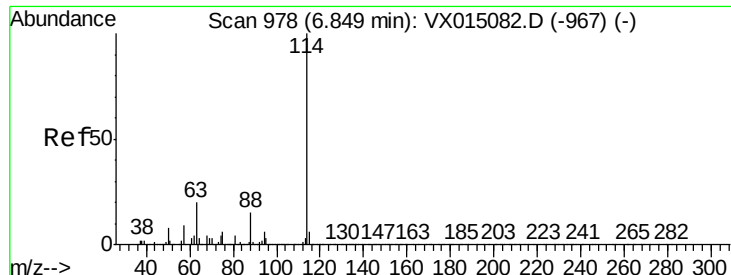


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

Time-->

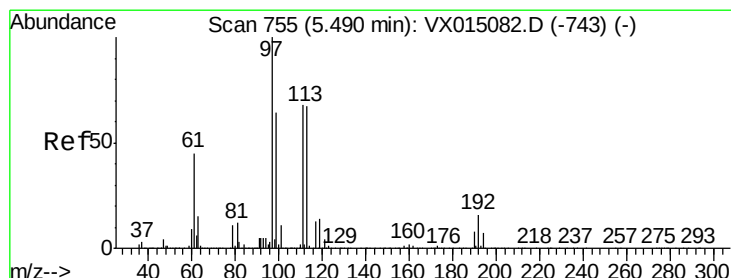
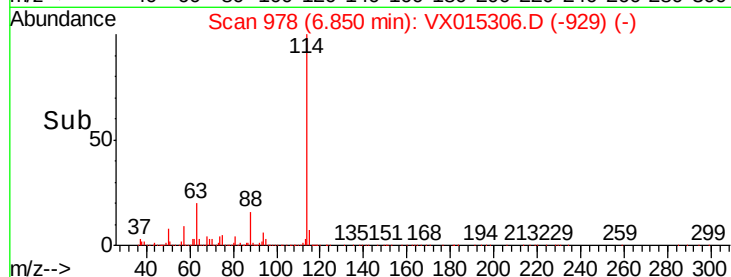
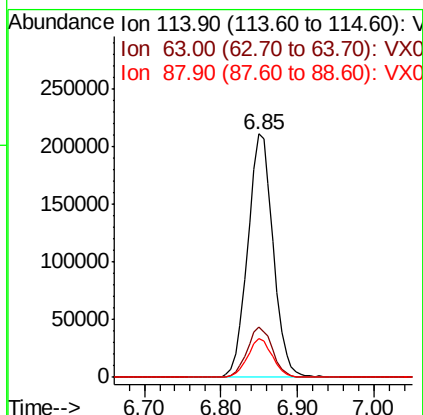
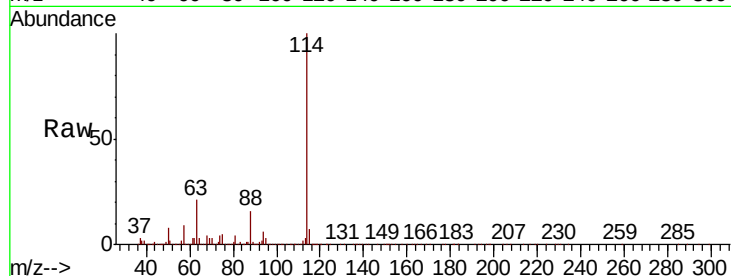




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015306.D
 Acq: 16 Mar 2020 20:05

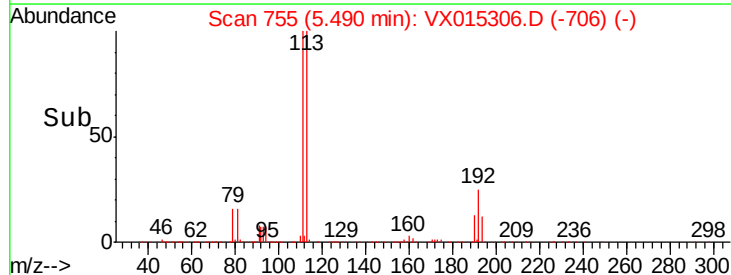
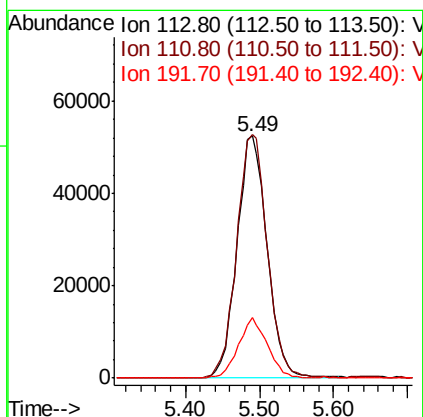
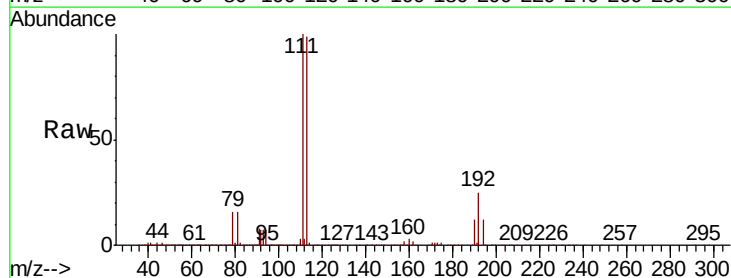
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20200312DL

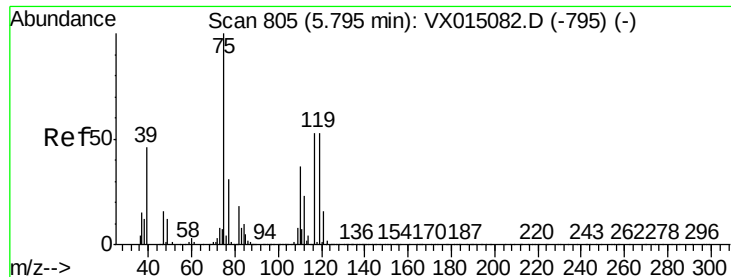
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.0
88	16.0	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 48.488 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015306.D
 Acq: 16 Mar 2020 20:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	24.1	18.6	28.0

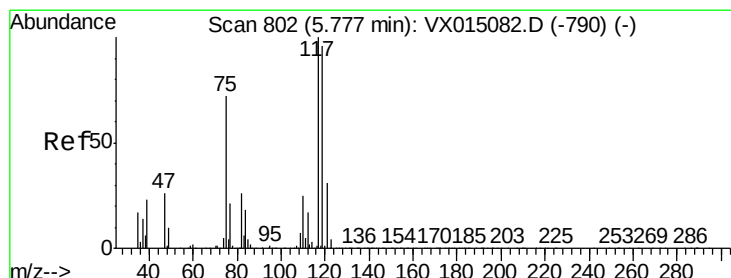
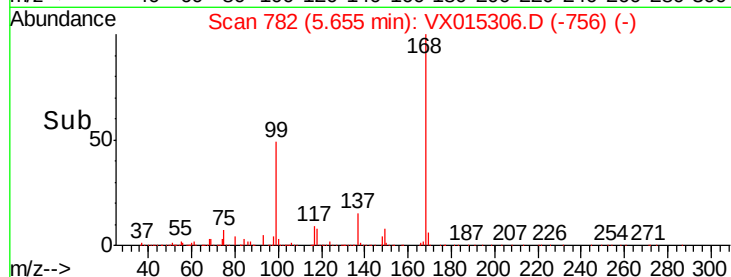
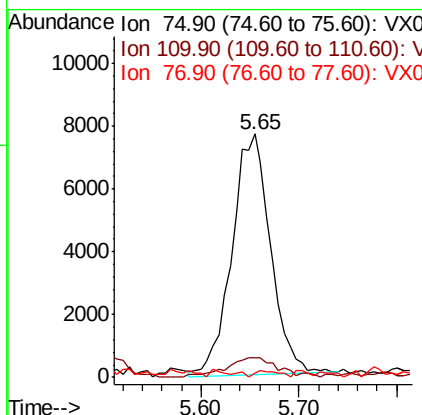
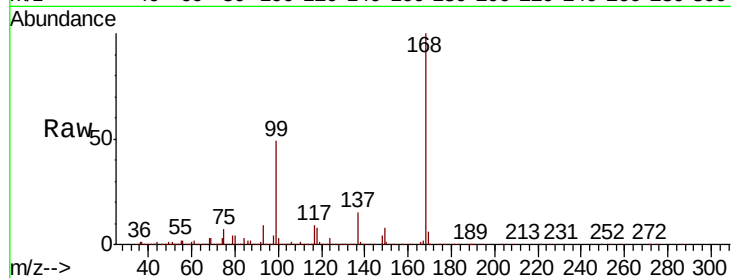




#36
 1,1-Dichloropropene
 Concen: 4.657 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015306.D
 Acq: 16 Mar 2020 20:05

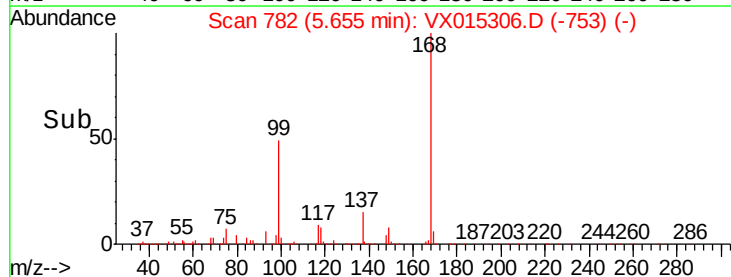
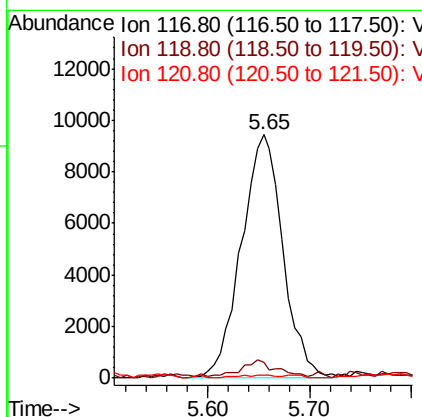
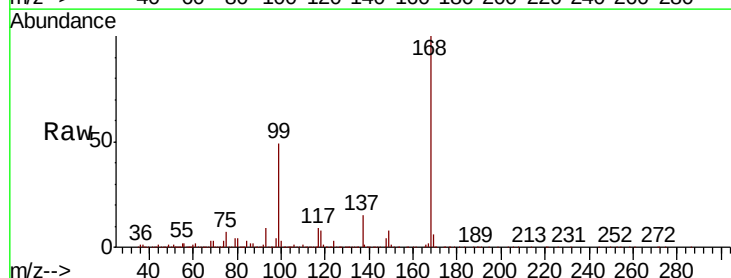
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20200312DL

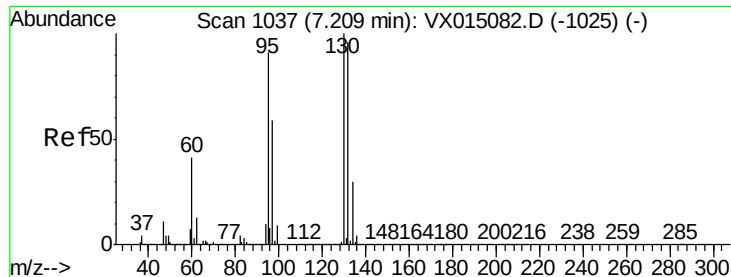
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.9	53.8#
77	1.6	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.278 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015306.D
 Acq: 16 Mar 2020 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.9	115.3#
121	1.0	24.6	37.0#





#44

Trichloroethene

Concen: 40.297 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_X

ClientSampleId :

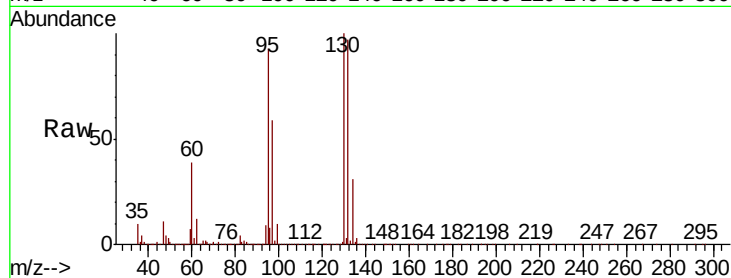
RE122D1-20200312DL

Tot Ion:130 Resp: 150139

Ion Ratio Lower Upper

130 100

95 92.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

80000

60000

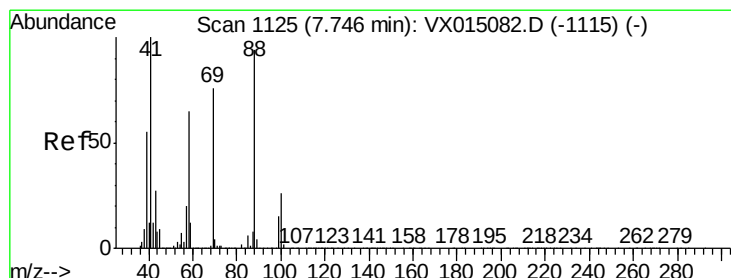
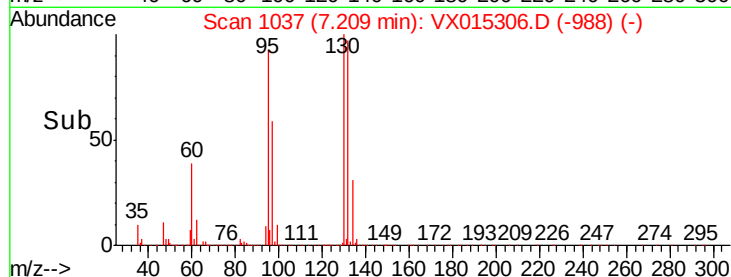
40000

20000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 2.618 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

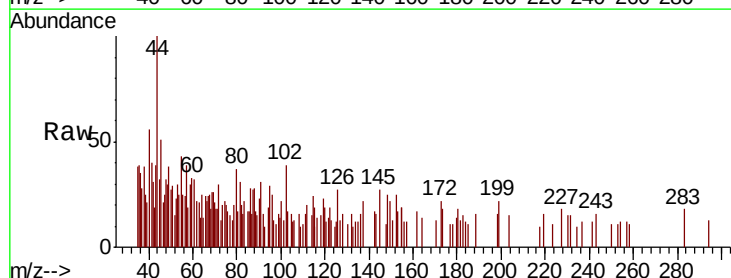
Tgt Ion: 88 Resp: 212

Ion Ratio Lower Upper

88 100

43 230.7 27.0 40.4#

58 92.5 55.6 83.4#



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

600

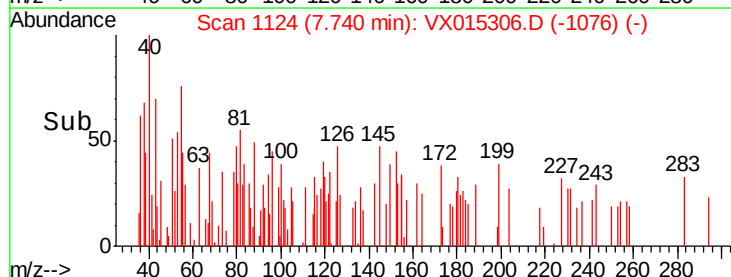
400

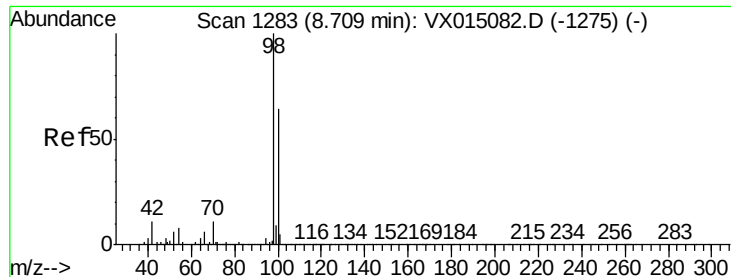
200

0

7.73 7.74 7.75

Time-->





#50

Toluene-d8

Concen: 50.931 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_X

ClientSampleId :

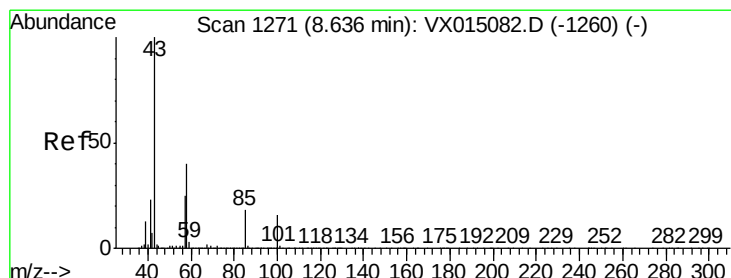
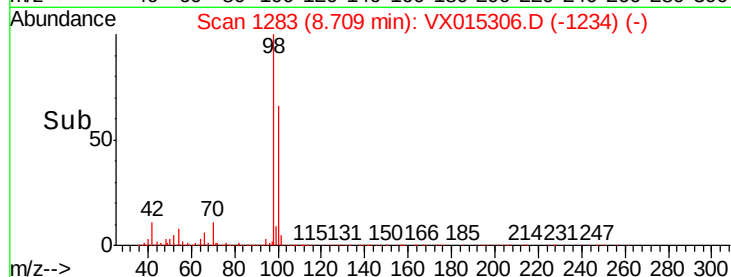
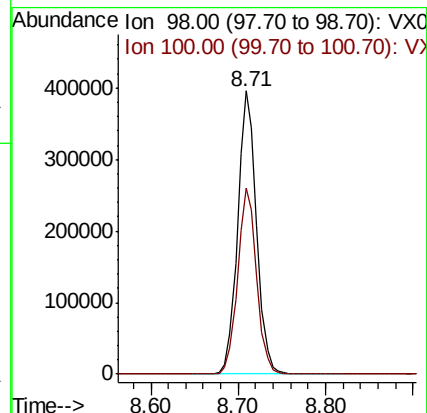
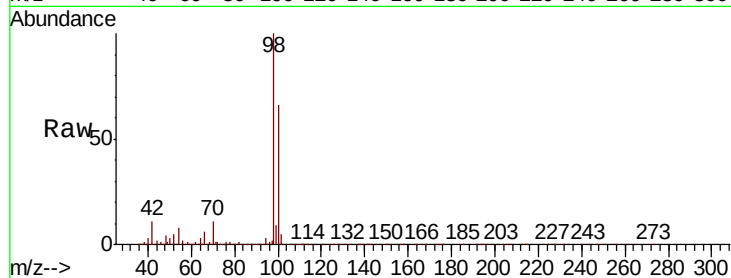
RE122D1-20200312DL

Tot Ion: 98 Resp: 596165

Ion Ratio Lower Upper

98 100

100 66.0 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 0.270 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX015306.D

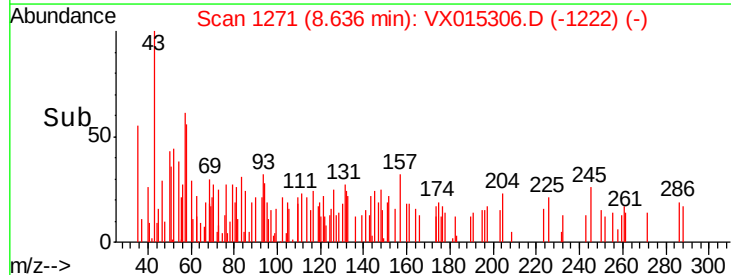
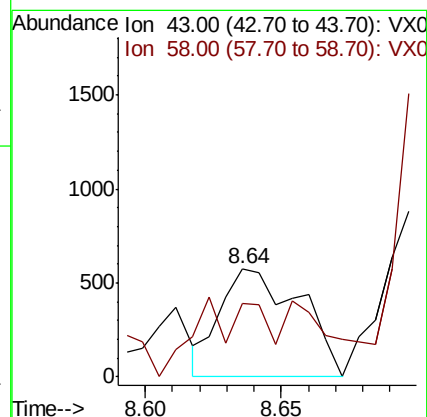
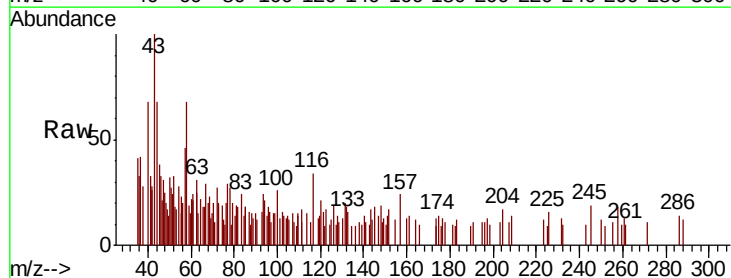
Acq: 16 Mar 2020 20:05

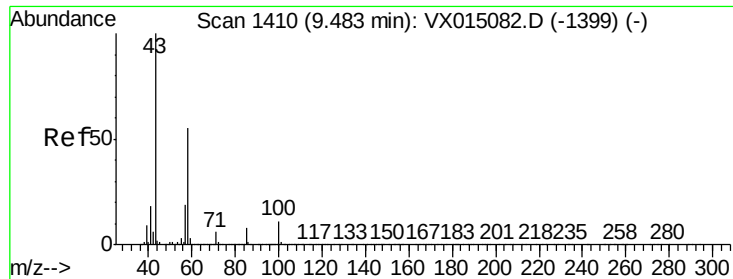
Tgt Ion: 43 Resp: 1173

Ion Ratio Lower Upper

43 100

58 29.9 31.6 47.4#

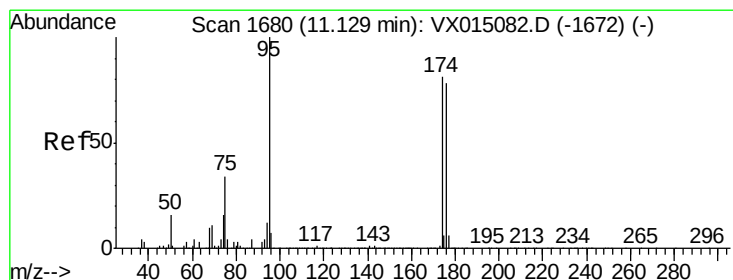
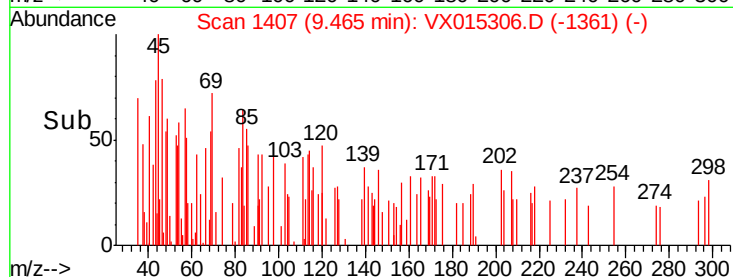
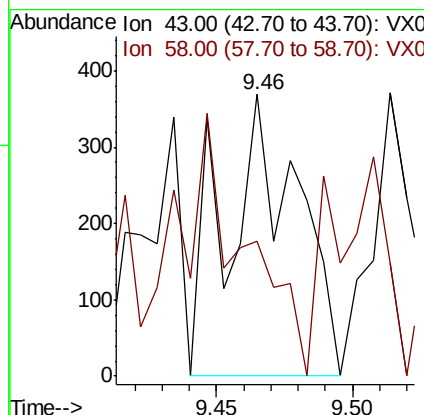
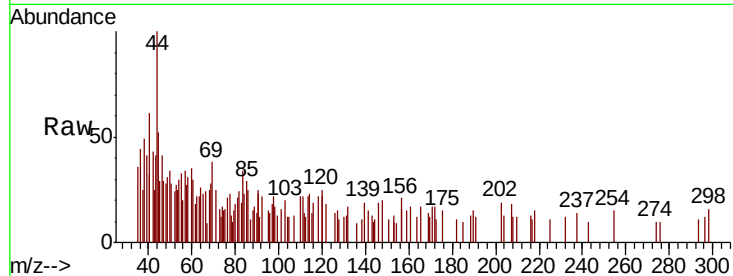




#59
2-Hexanone
Concen: 0.208 ug/l
RT: 9.46 min Scan# 1407
Delta R.T. -0.02 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

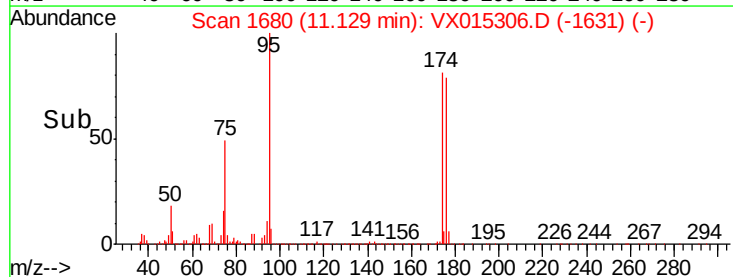
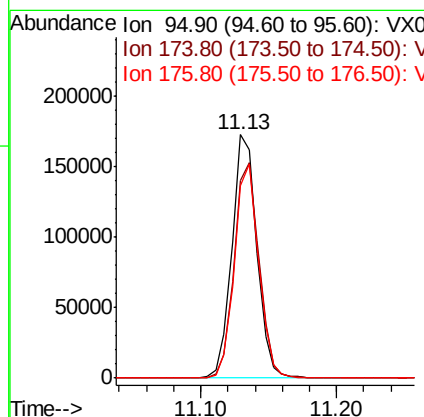
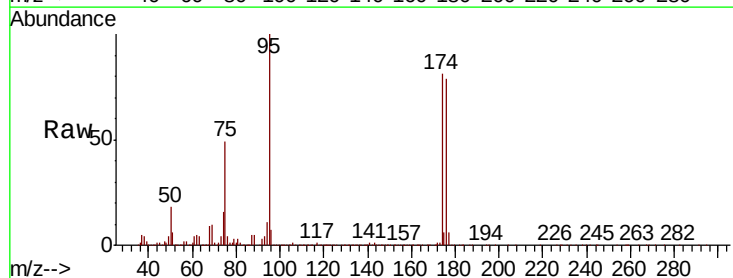
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20200312DL

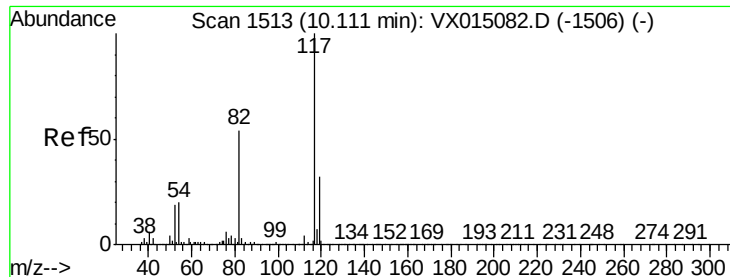
Tot Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 52.683 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

Tgt Ion: 95 Resp: 219961
Ion Ratio Lower Upper
95 100
174 89.0 0.0 177.6
176 86.2 0.0 170.2

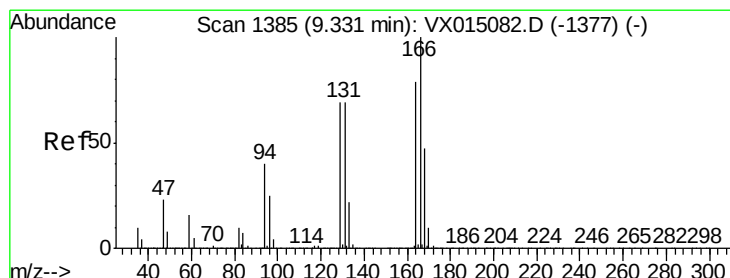
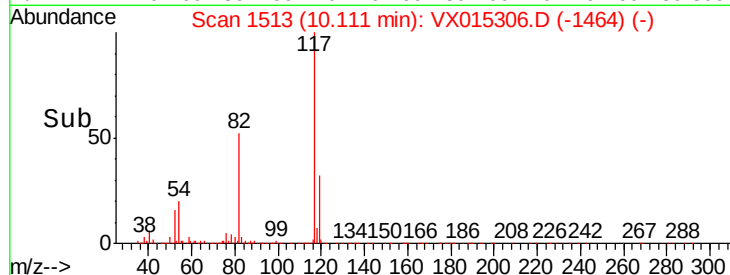
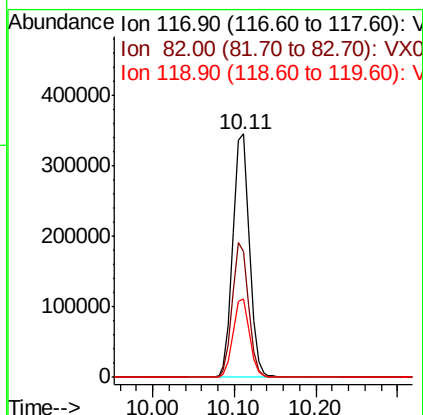
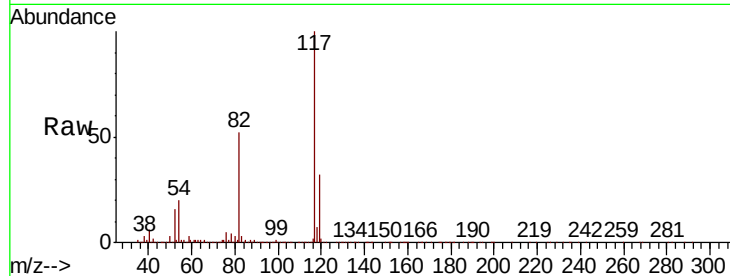




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

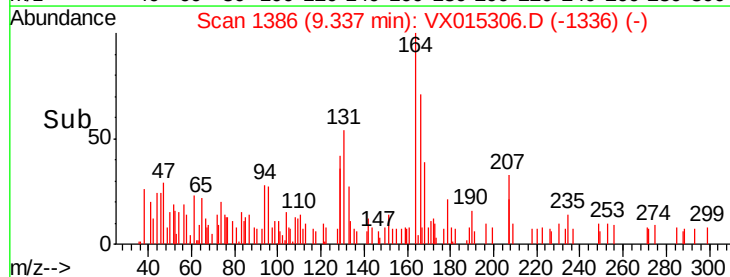
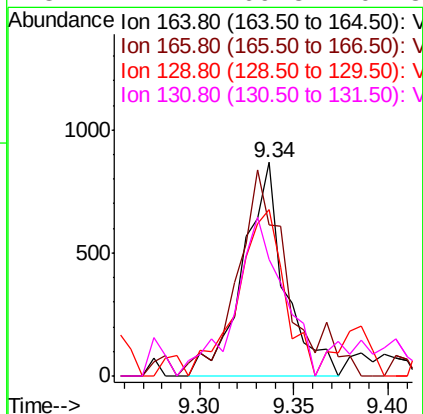
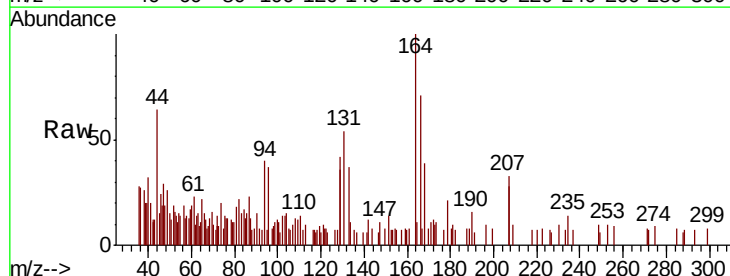
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20200312DL

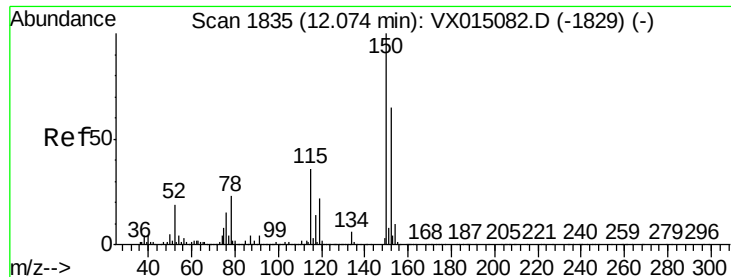
Tot Ion:117 Resp: 477429
Ion Ratio Lower Upper
117 100
82 51.9 43.3 64.9
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 0.337 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

Tgt Ion:164 Resp: 1331
Ion Ratio Lower Upper
164 100
166 64.9 101.1 151.7#
129 67.2 69.4 104.0#
131 47.4 69.8 104.8#

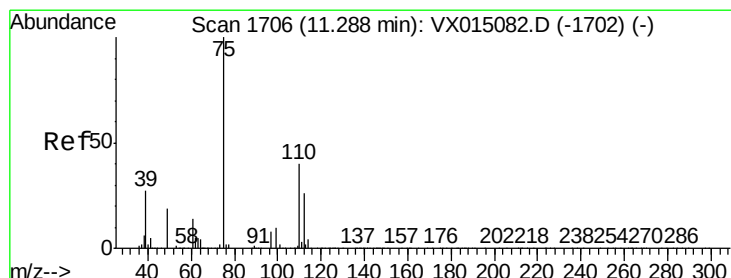
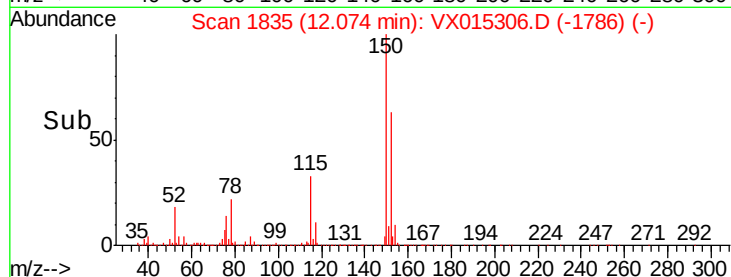
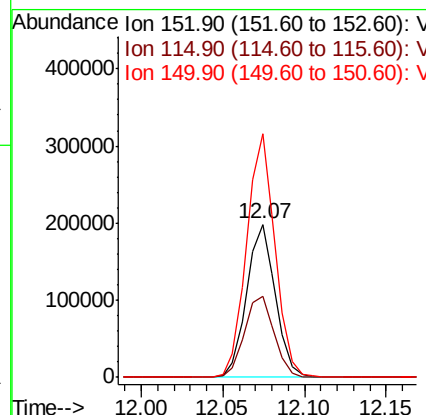
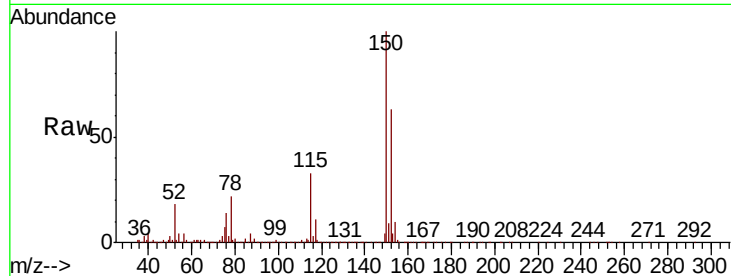




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX015306.D
 Acq: 16 Mar 2020 20:05

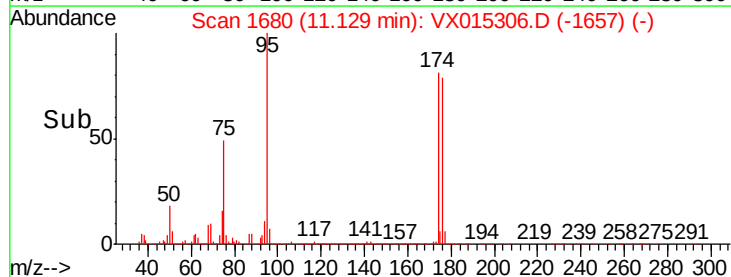
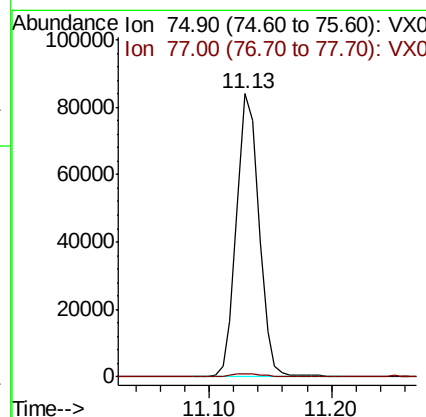
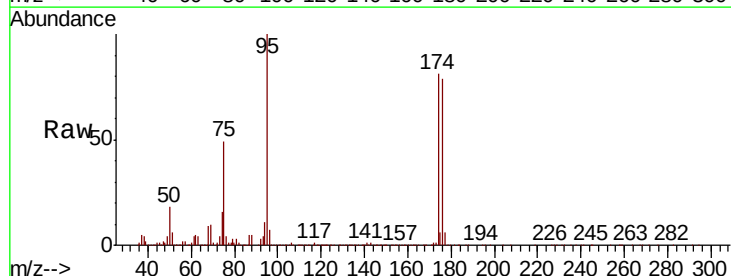
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20200312DL

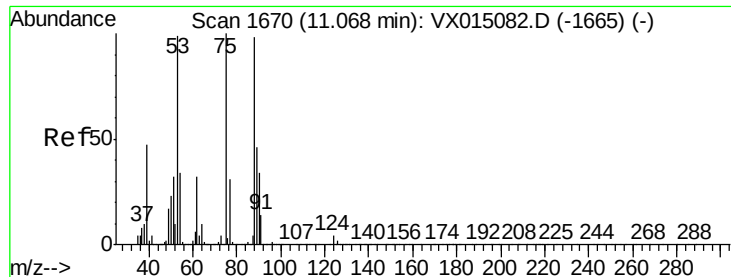
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.2	114.6
150	157.7	0.0	343.8



#76
 1,2,3-Trichloropropane
 Concen: 21.873 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015306.D
 Acq: 16 Mar 2020 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	22.6	67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.075 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20200312DL

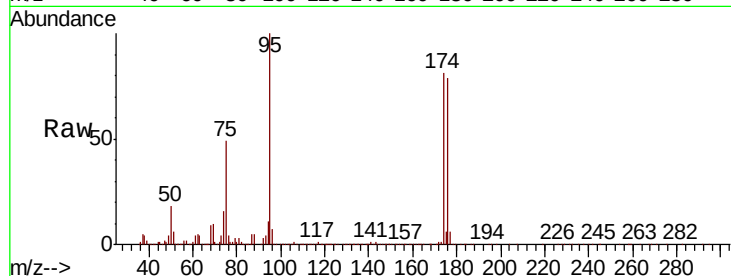
Tot Ion: 75 Resp: 106210

Ion Ratio Lower Upper

75 100

53 0.5 77.9 116.9#

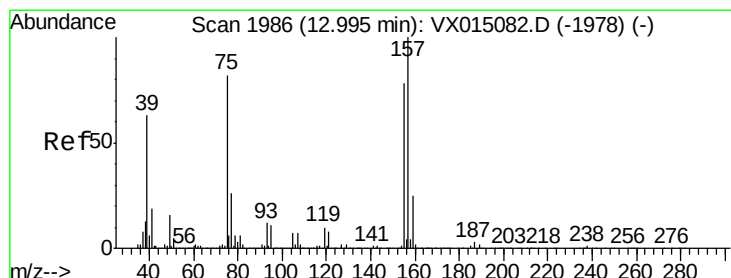
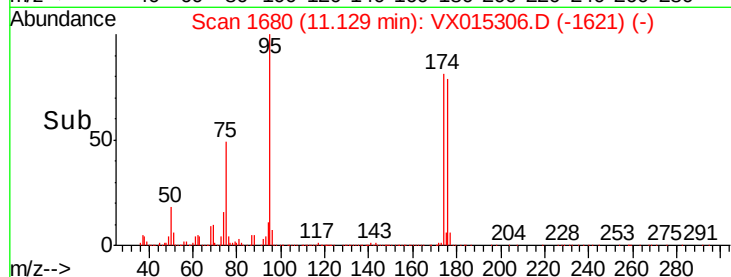
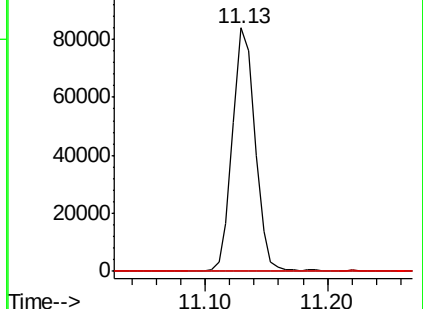
89 0.1 36.2 54.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.203 ug/l

RT: 13.01 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VX015306.D

Acq: 16 Mar 2020 20:05

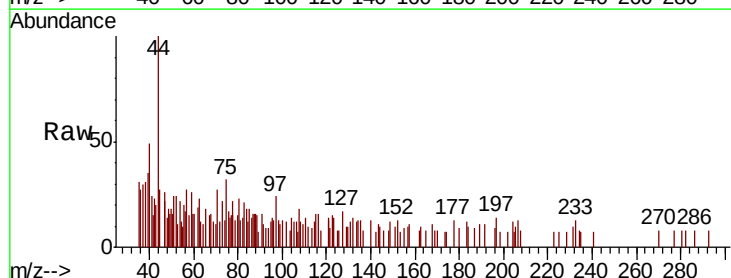
Tgt Ion: 75 Resp: 211

Ion Ratio Lower Upper

75 100

155 20.9 46.6 139.7#

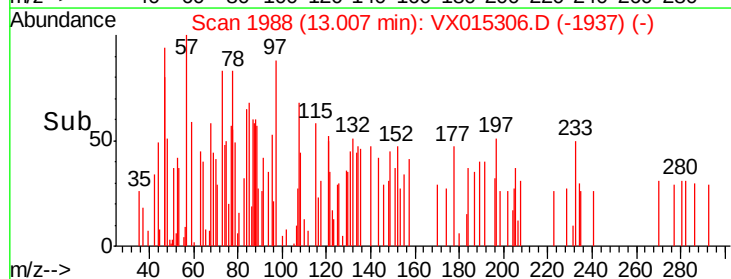
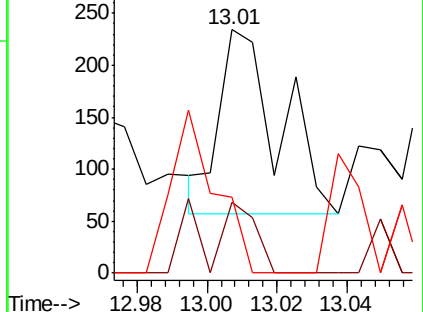
157 0.0 59.2 177.5#

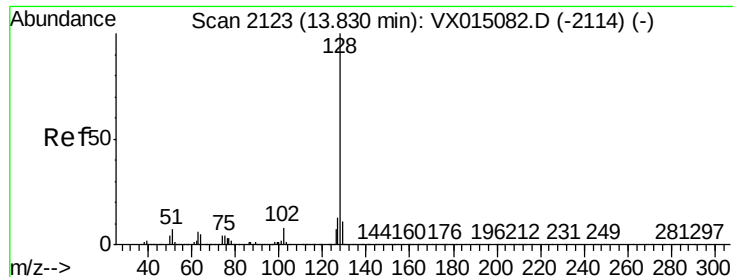


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 1.469 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015306.D
Acq: 16 Mar 2020 20:05

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20200312DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	58.3	8.6	13.0

