

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031020\
 Data File : VX015171.D
 Acq On : 10 Mar 2020 15:19
 Operator : JC/SP
 Sample : L1842-20DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20200305DL

Quant Time: Mar 11 07:30:15 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	310389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	504989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270552	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	189654	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	5.48	113	155523	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	620182	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.14	95	236187	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

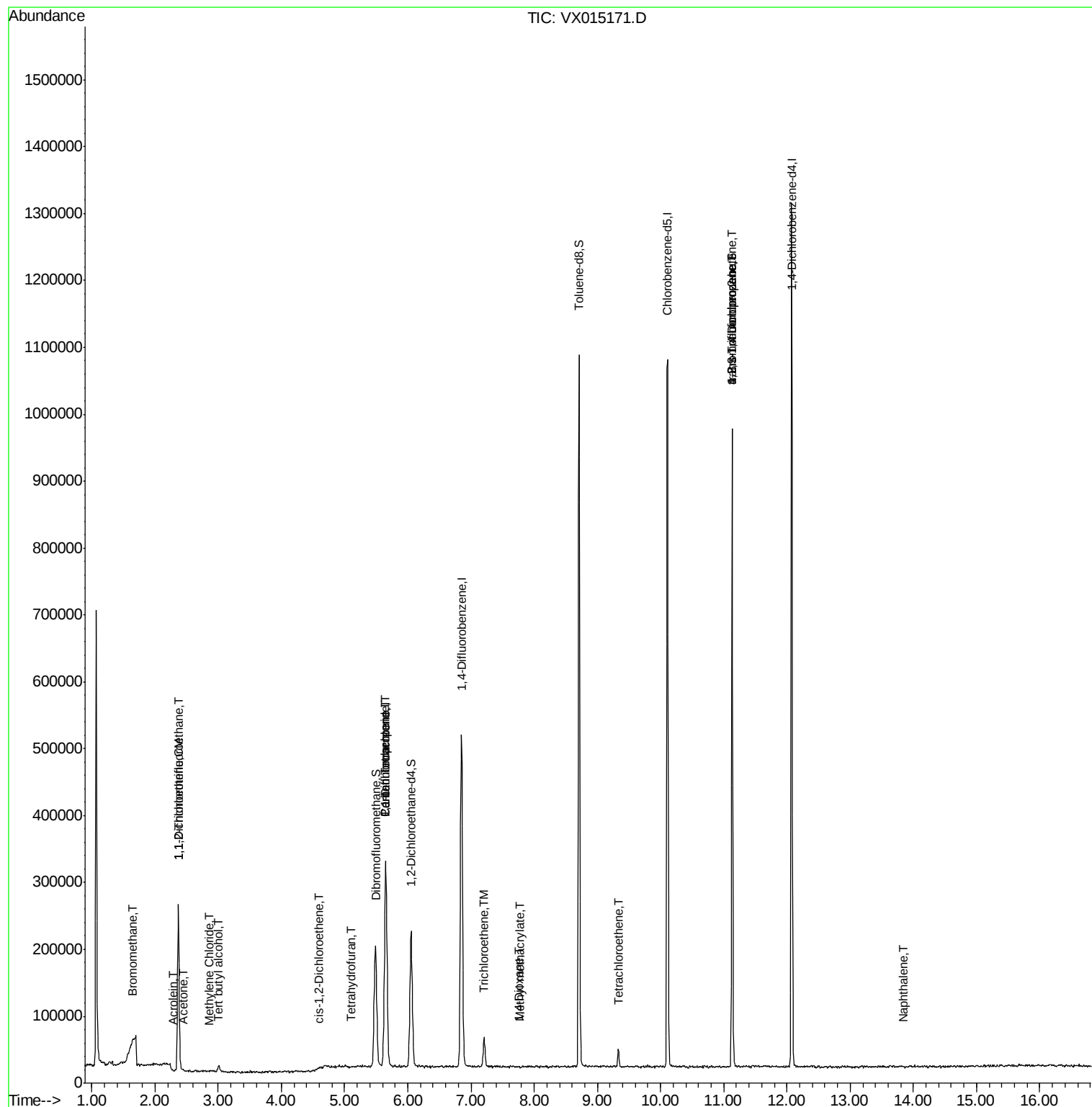
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	567	0.236	ug/l #	68
9) 1,1,2-Trichlorotrifluoroet	2.37	101	99971	34.206	ug/l	99
11) Tert butyl alcohol	3.00	59	5119	8.012	ug/l #	91
12) 1,1-Dichloroethene	2.36	96	921	0.305	ug/l #	82
13) Acrolein	2.29	56	925	1.541	ug/l #	40
16) Acetone	2.44	43	2006	1.345	ug/l #	75
20) Methylene Chloride	2.84	84	868	0.249	ug/l #	20
27) cis-1,2-Dichloroethene	4.59	96	1104	0.306	ug/l	46
29) Tetrahydrofuran	5.11	42	485	0.345	ug/l #	45
36) 1,1-Dichloropropene	5.65	75	21385	4.581	ug/l #	54
38) Carbon Tetrachloride	5.65	117	27534	6.248	ug/l #	17
44) Trichloroethene	7.21	130	18110	4.695	ug/l	97
48) Methyl methacrylate	7.77	41	818	0.211	ug/l #	24
49) 1,4-Dioxane	7.76	88	167	1.992	ug/l #	8
64) Tetrachloroethene	9.33	164	6052	1.464	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	118217	21.905	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	118217	62.168	ug/l #	11
95) Naphthalene	13.83	128	517	1.448	ug/l #	18

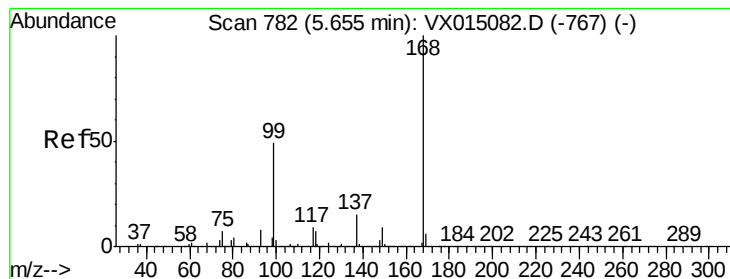
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

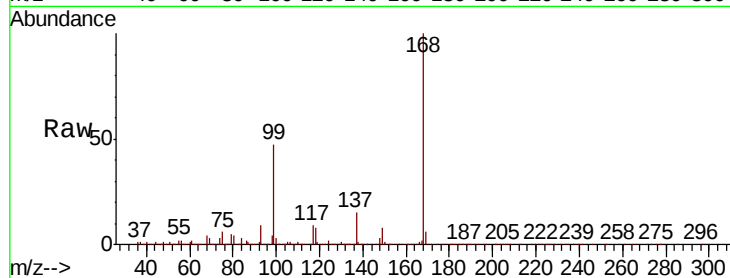
RE134D4-20200305DL

Tot Ion:168 Resp: 310389

Ion Ratio Lower Upper

168 100

99 46.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

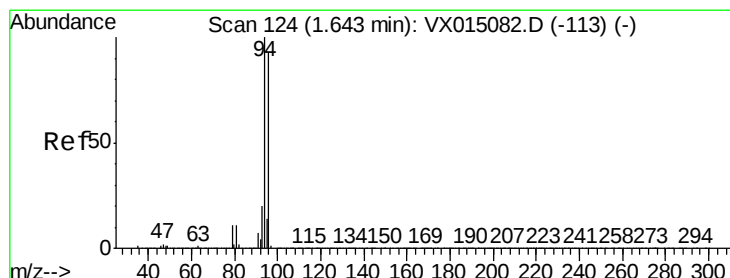
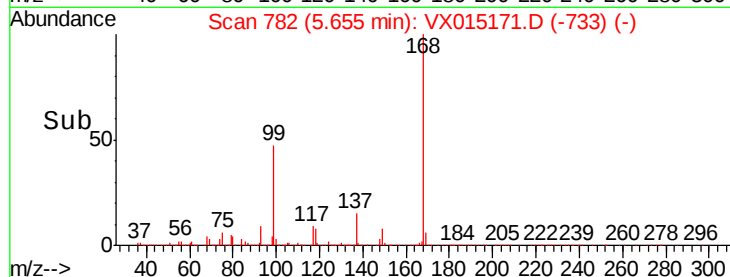
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX015171.D

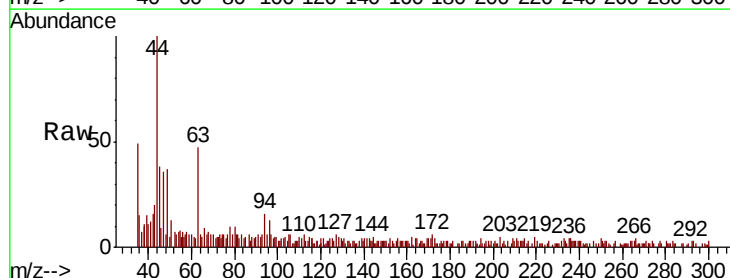
Acq: 10 Mar 2020 15:19

Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

96 62.6 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

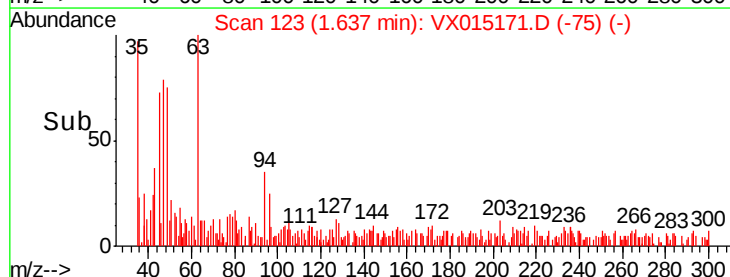
600

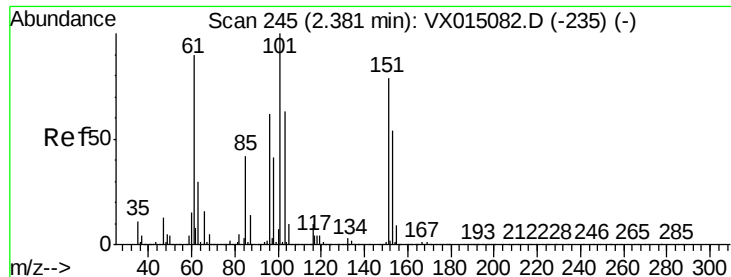
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.206 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20200305DL

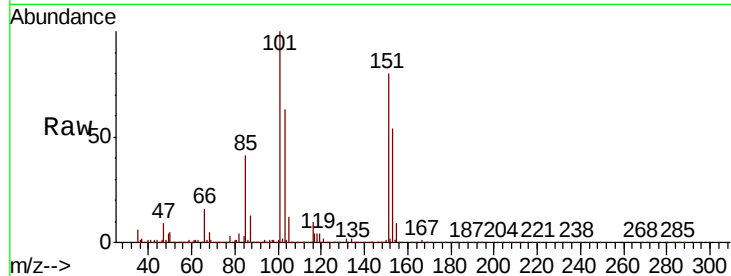
Tot Ion:101 Resp: 99971

Ion Ratio Lower Upper

101 100

85 42.8 33.7 50.5

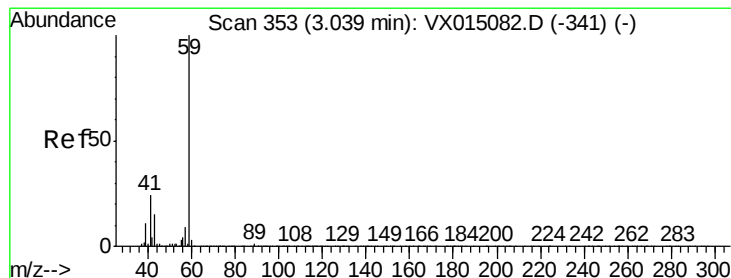
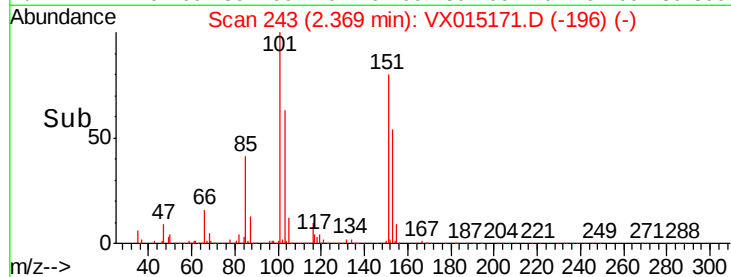
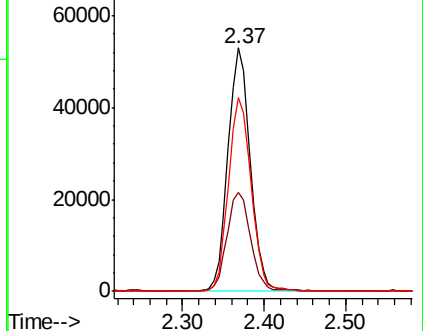
151 80.2 64.0 96.0



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



#11

Tert butyl alcohol

Concen: 8.012 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX015171.D

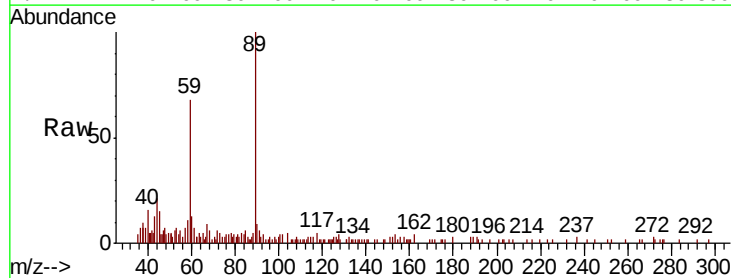
Acq: 10 Mar 2020 15:19

Tgt Ion: 59 Resp: 5119

Ion Ratio Lower Upper

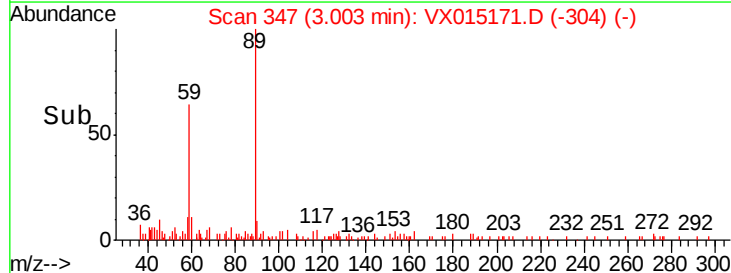
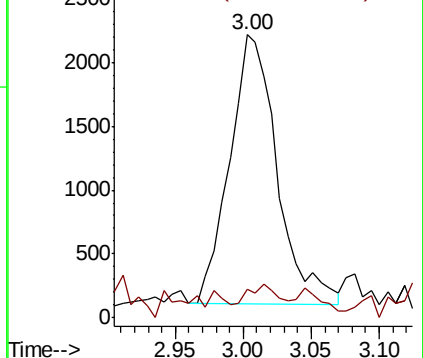
59 100

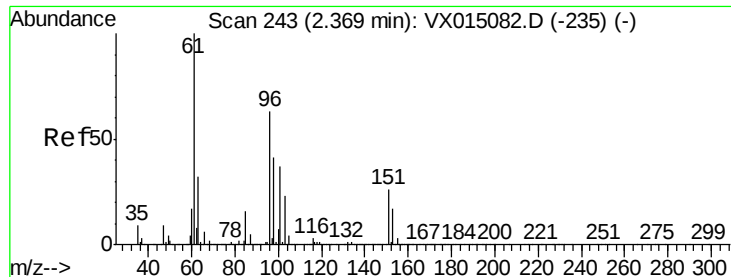
57 7.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

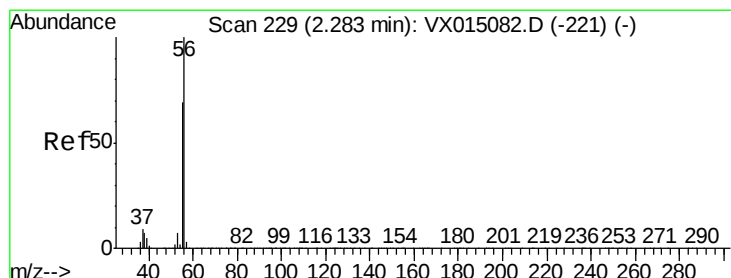
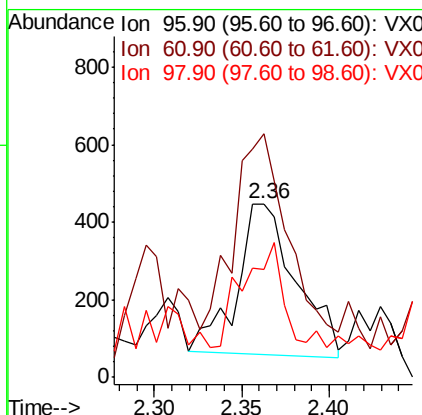
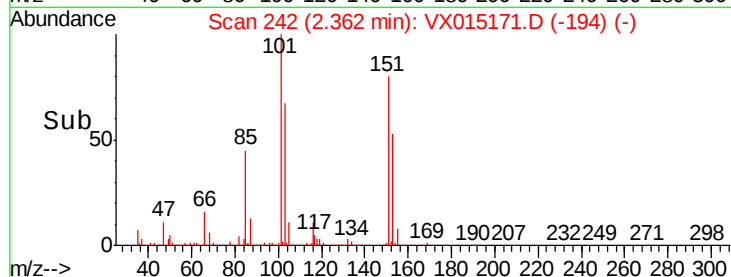
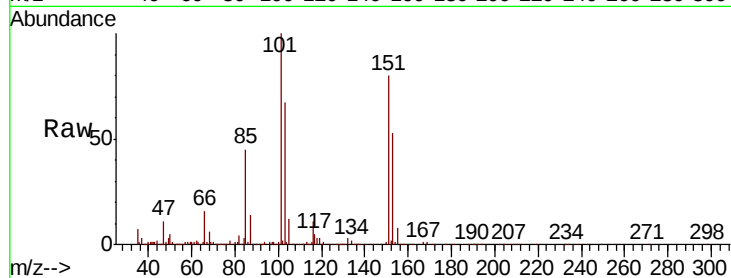




#12
 1,1-Dichloroethene
 Concen: 0.305 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

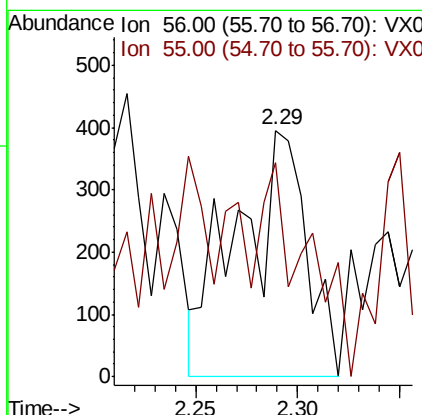
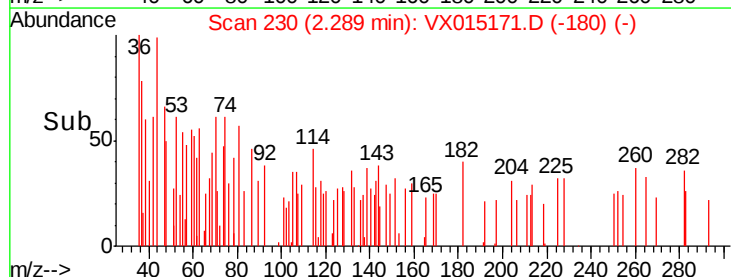
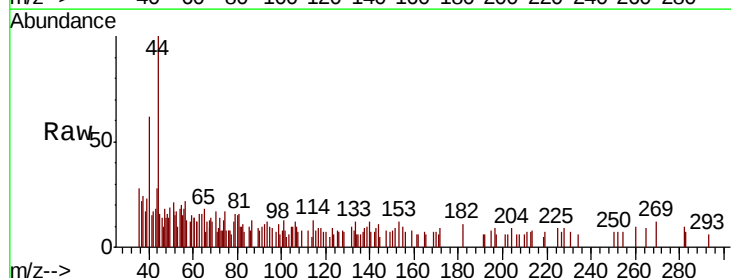
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20200305DL

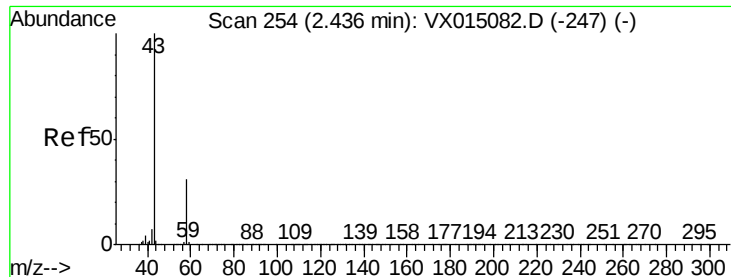
Tot Ion: 96 Resp: 921
 Ion Ratio Lower Upper
 96 100
 61 134.3 126.2 189.4
 98 50.3 51.4 77.0#



#13
 Acrolein
 Concen: 1.541 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Tgt Ion: 56 Resp: 925
 Ion Ratio Lower Upper
 56 100
 55 20.5 55.4 83.0#





#16

Acetone

Concen: 1.345 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

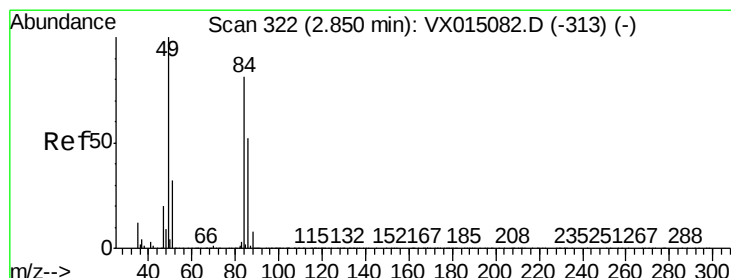
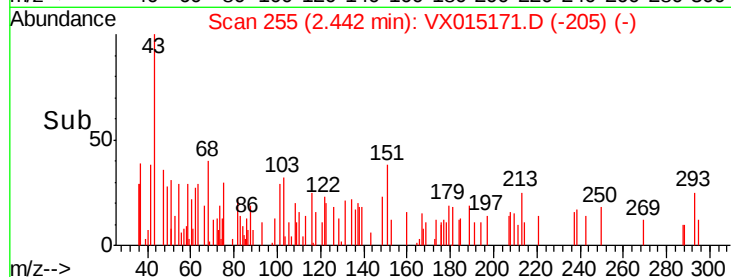
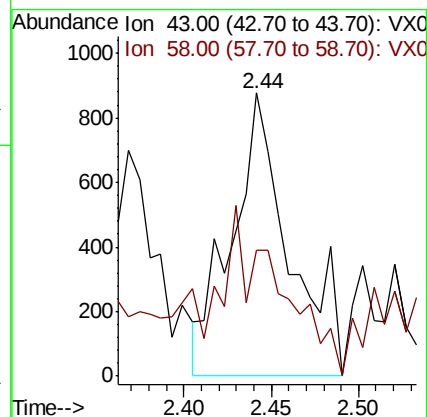
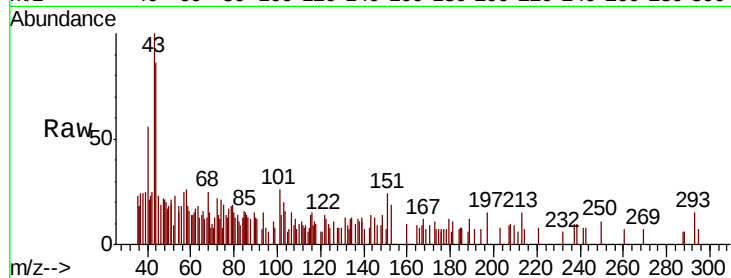
RE134D4-20200305DL

Tot Ion: 43 Resp: 2006

Ion Ratio Lower Upper

43 100

58 44.5 24.8 37.2#



#20

Methylene Chloride

Concen: 0.249 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Tgt Ion: 84 Resp: 868

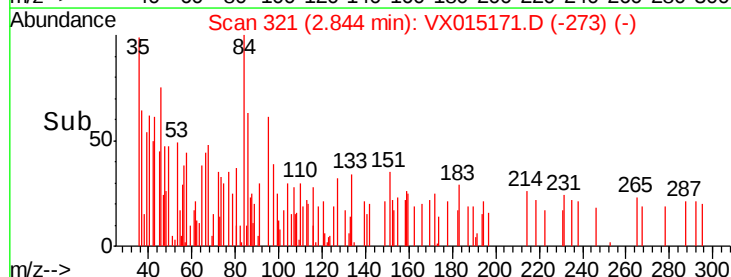
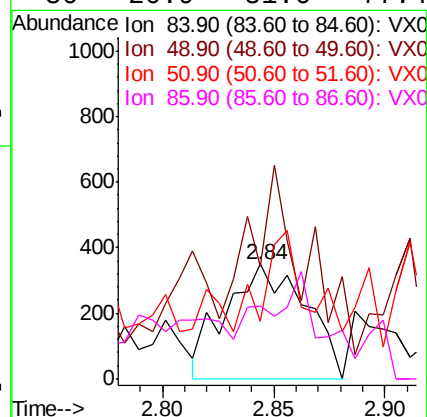
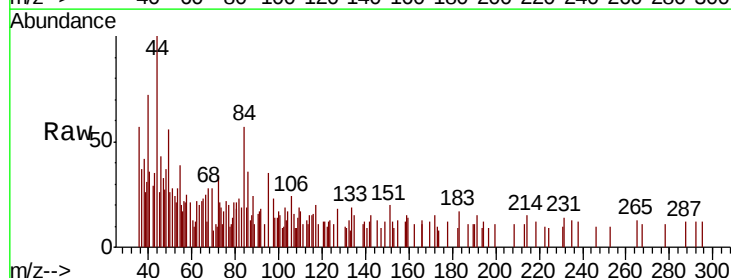
Ion Ratio Lower Upper

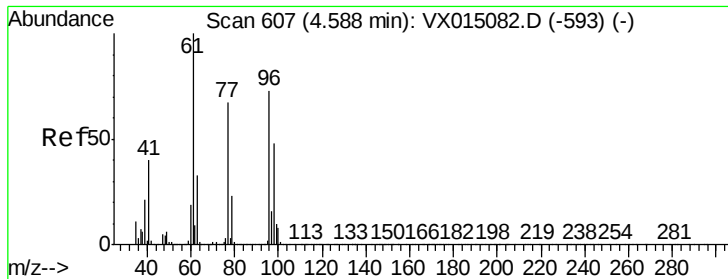
84 100

49 9.1 99.4 149.2#

51 8.9 31.5 47.3#

86 20.9 51.6 77.4#



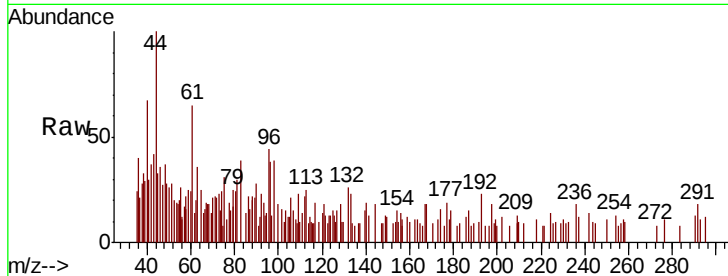


#27

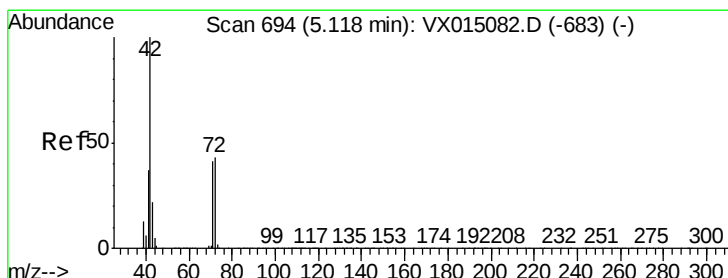
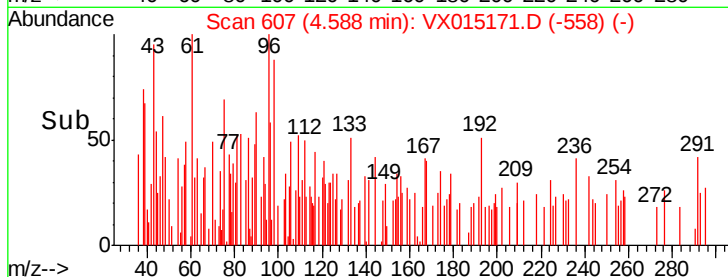
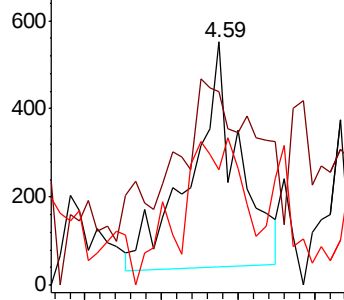
cis-1,2-Dichloroethene
Concen: 0.306 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Instrument :
MSVOA_X
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RE134D4-20200305DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	52.7	0.0	286.8
98	56.8	0.0	128.4



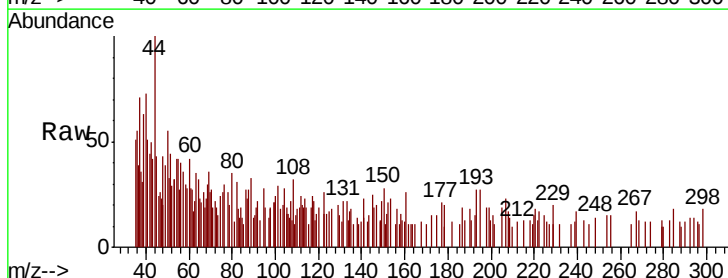
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



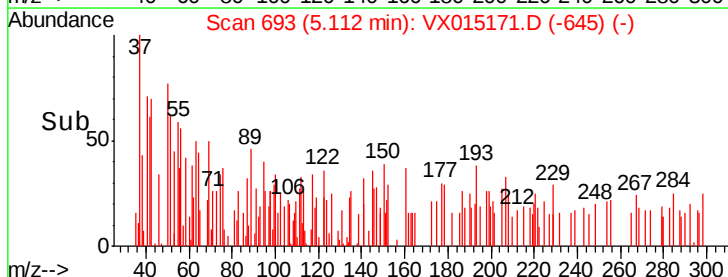
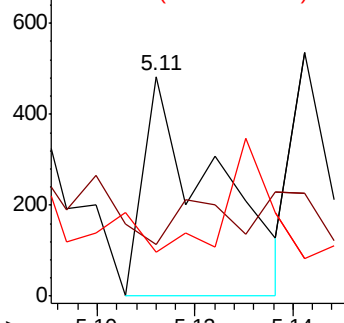
#29

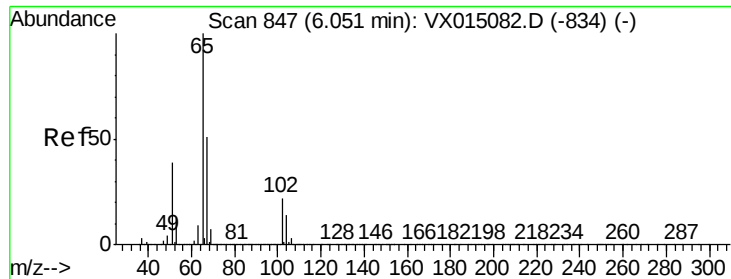
Tetrahydrofuran
Concen: 0.345 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion	Ratio	Lower	Upper
42	100		
72	15.9	36.4	54.6#
71	0.0	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

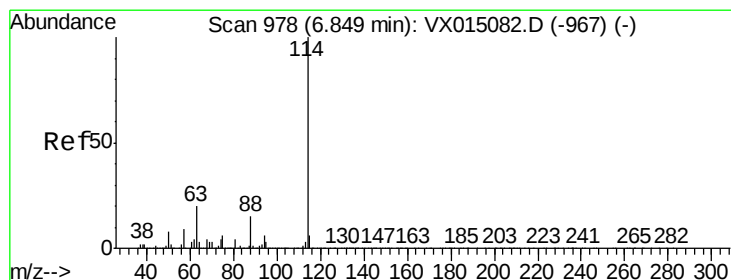
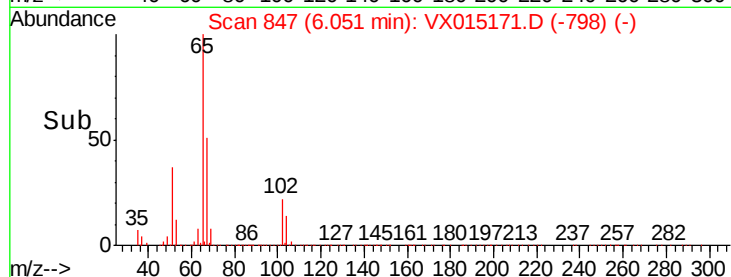
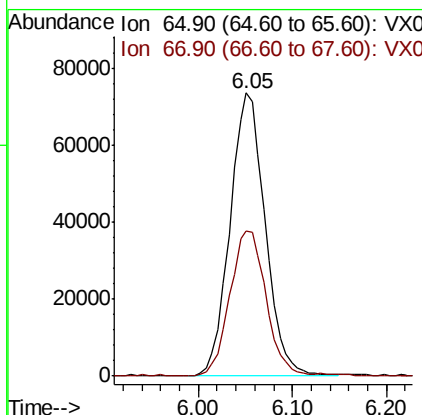
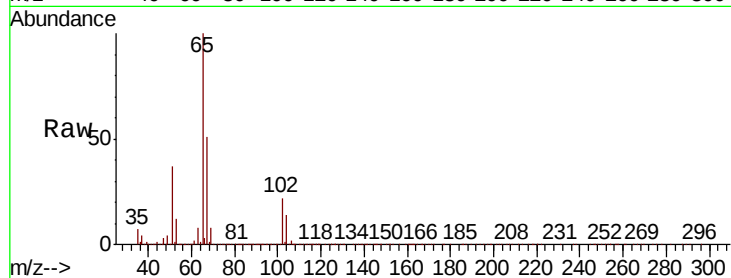




#33
 1,2-Dichloroethane-d4
 Concen: 51.503 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

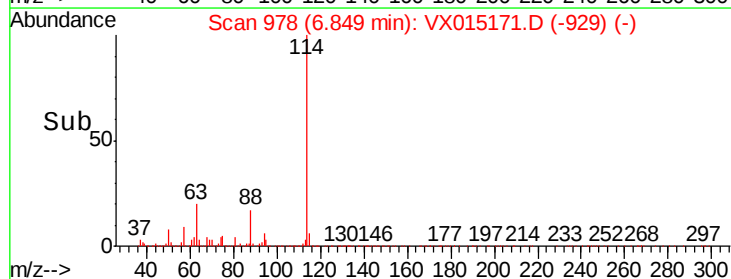
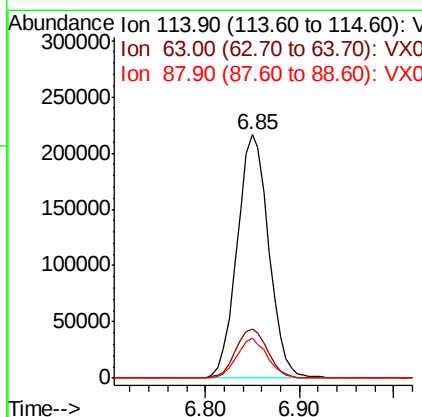
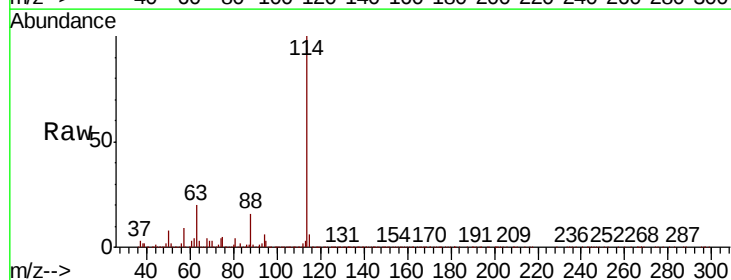
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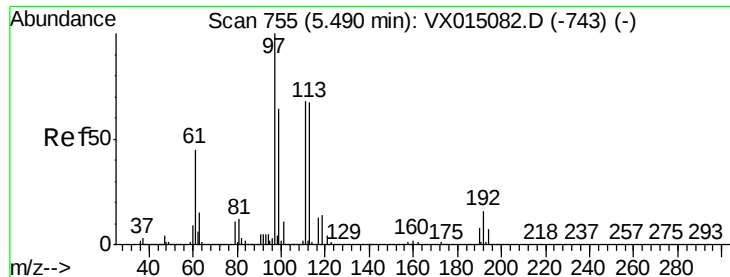
Tot Ion: 65 Resp: 189654
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Tgt Ion: 114 Resp: 504989
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 16.4 0.0 30.6

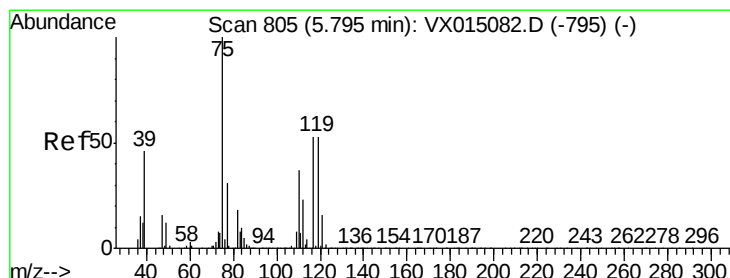
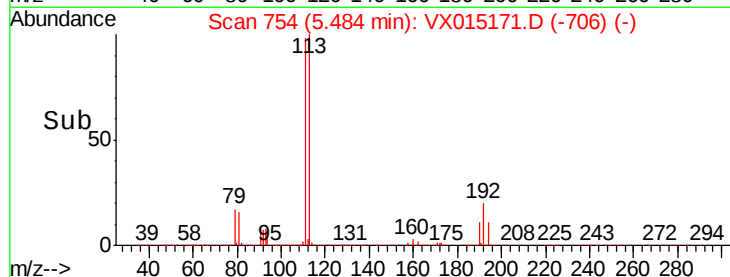
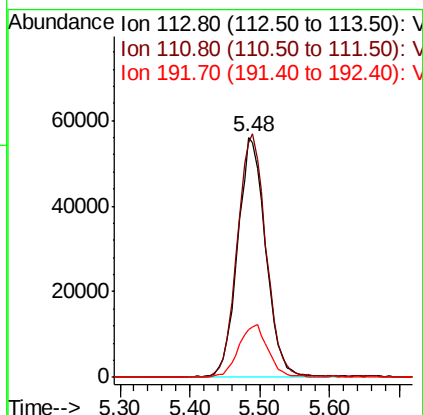
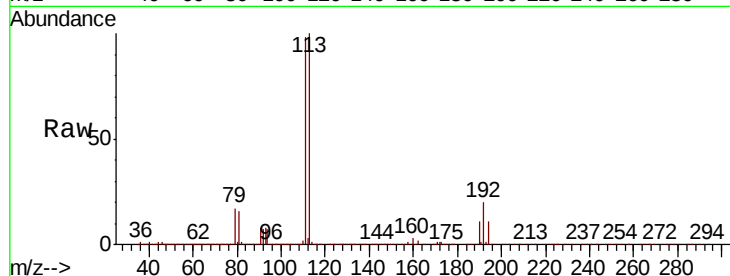




#35
 Dibromofluoromethane
 Concen: 48.817 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

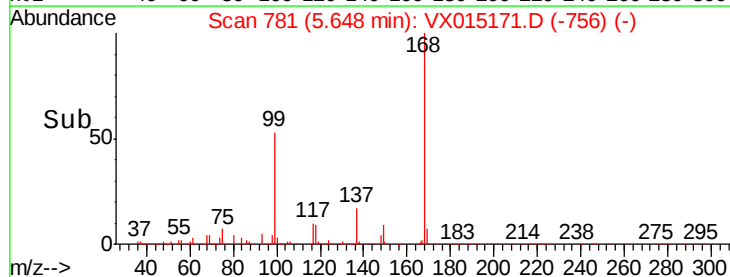
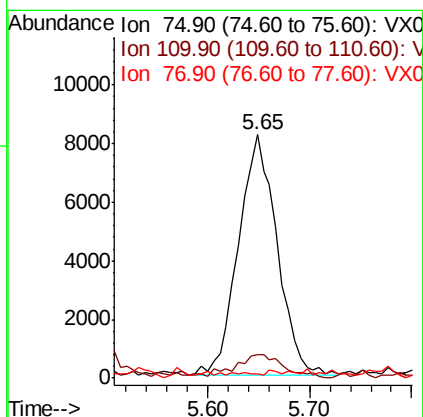
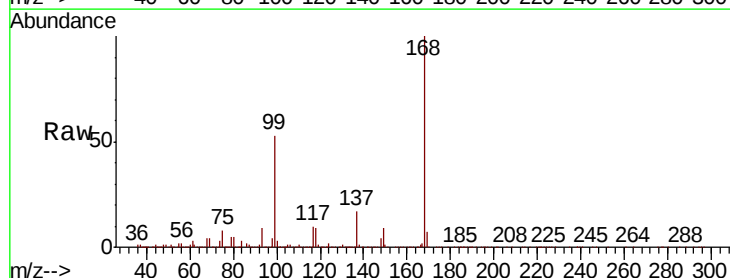
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 RE134D4-20200305DL

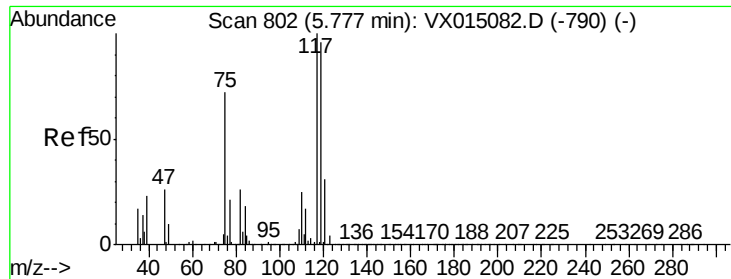
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.6	123.8
192	22.9	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.581 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.9	17.9	53.8#
77	1.2	24.8	37.2#

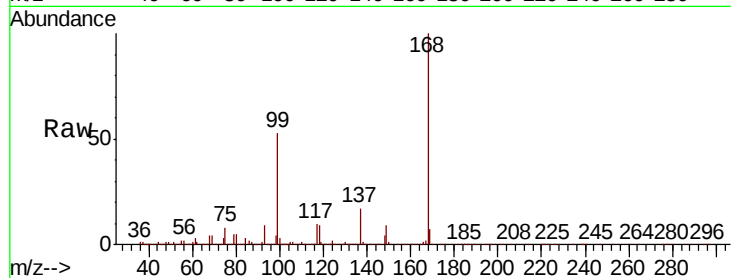




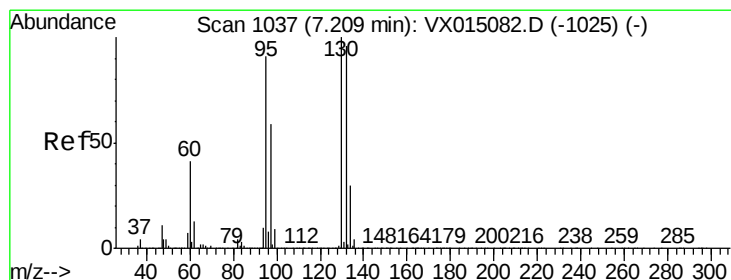
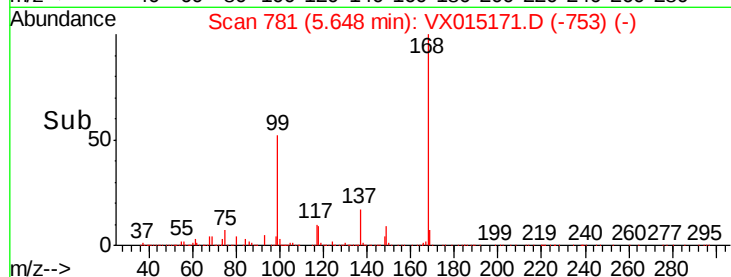
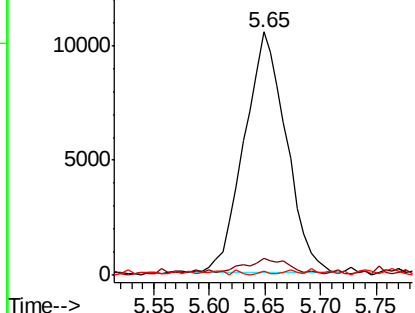
#38
Carbon Tetrachloride
Concen: 6.248 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20200305DL

Tot Ion:117 Resp: 27534
Ion Ratio Lower Upper
117 100
119 6.0 76.9 115.3#
121 1.2 24.6 37.0#

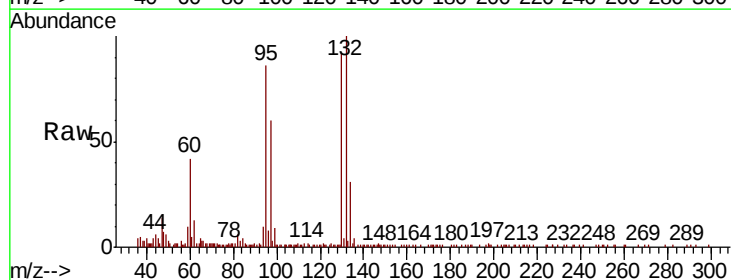


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

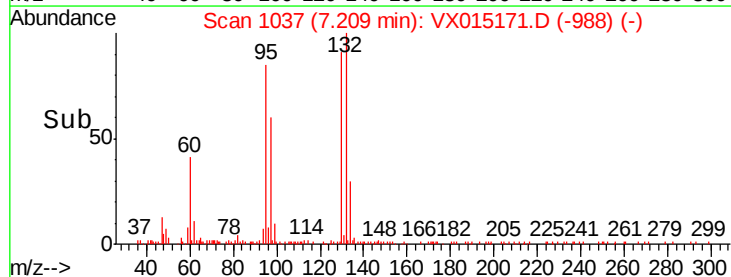
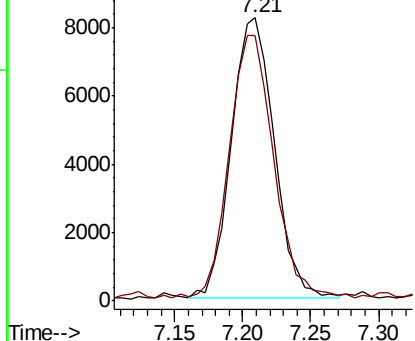


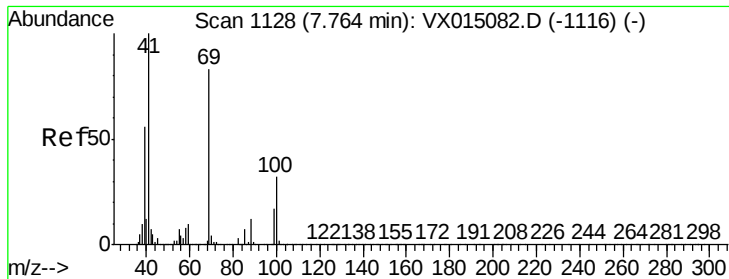
#44
Trichloroethene
Concen: 4.695 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion:130 Resp: 18110
Ion Ratio Lower Upper
130 100
95 93.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#48

Methyl methacrylate

Concen: 0.211 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.01 min

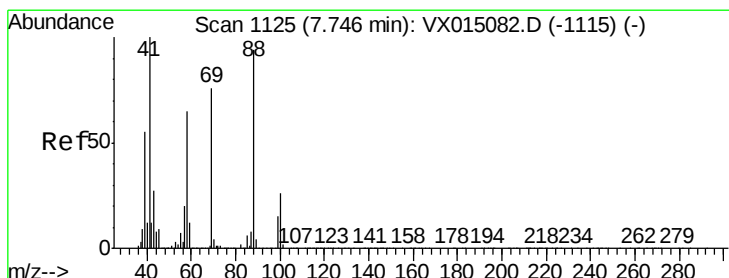
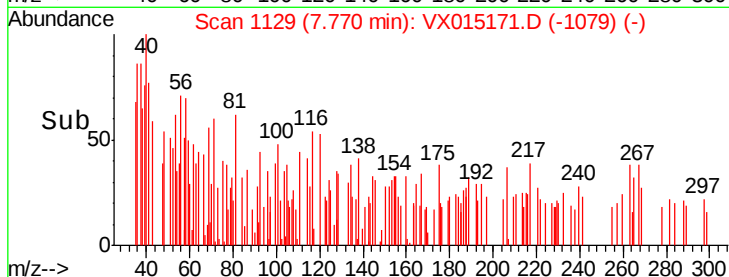
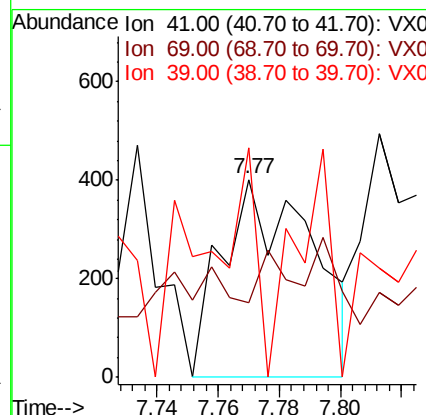
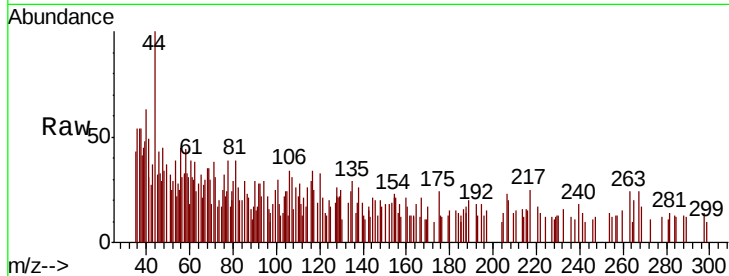
Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20200305DL

Tot Ion: 41 Resp: 818

Ion	Ratio	Lower	Upper
41	100		
69	13.7	65.4	98.2#
39	0.0	44.6	67.0#



#49

1,4-Dioxane

Concen: 1.992 ug/l

RT: 7.76 min Scan# 1127

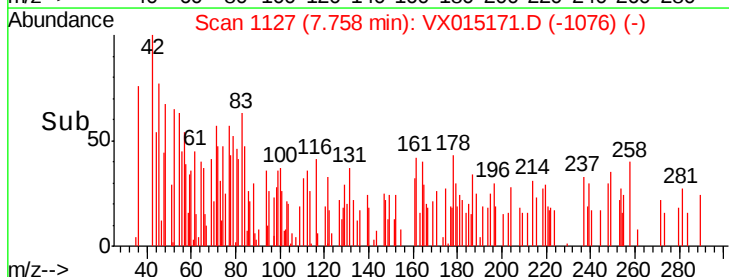
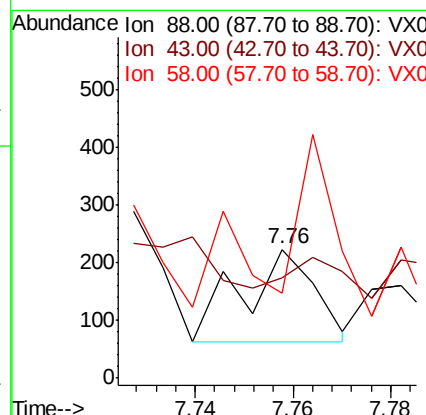
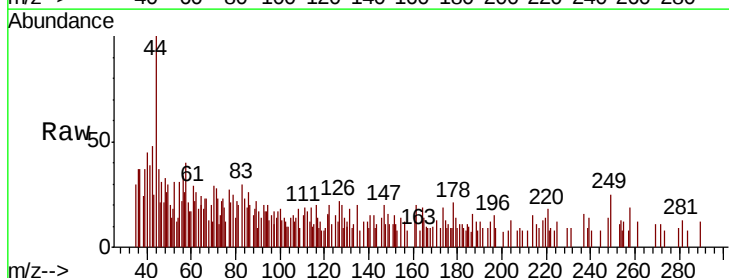
Delta R.T. 0.01 min

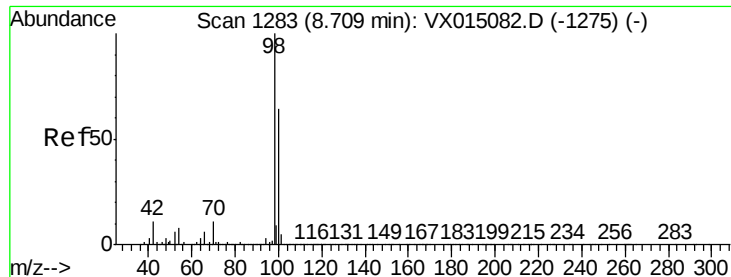
Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Tgt Ion: 88 Resp: 167

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.4#
58	157.5	55.6	83.4#





#50

Toluene-d8

Concen: 51.177 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

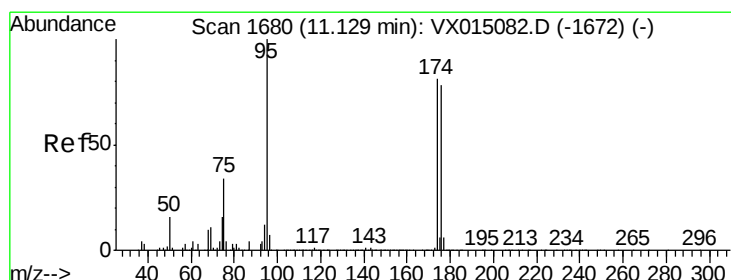
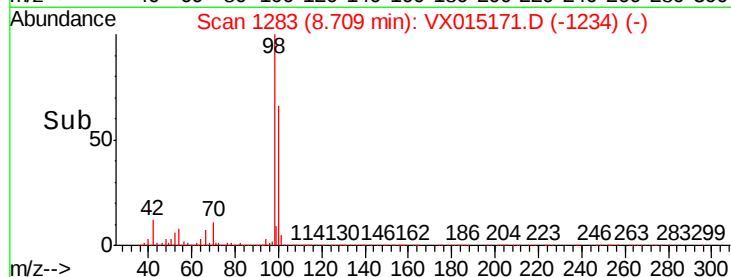
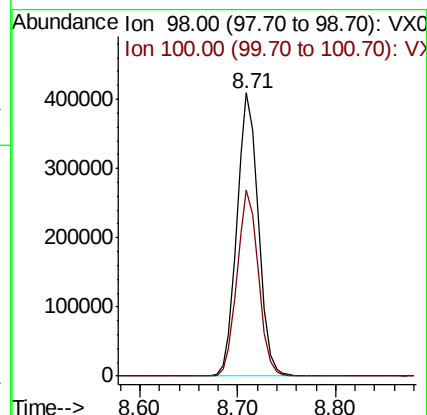
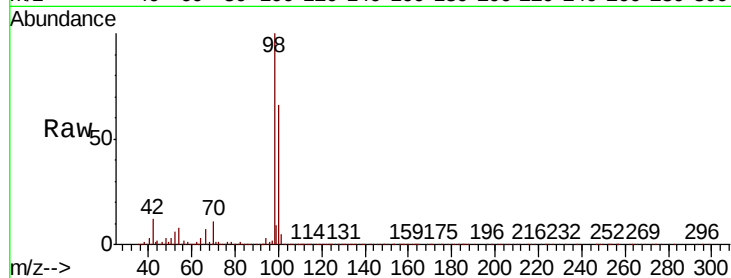
RE134D4-20200305DL

Tot Ion: 98 Resp: 620182

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 54.641 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

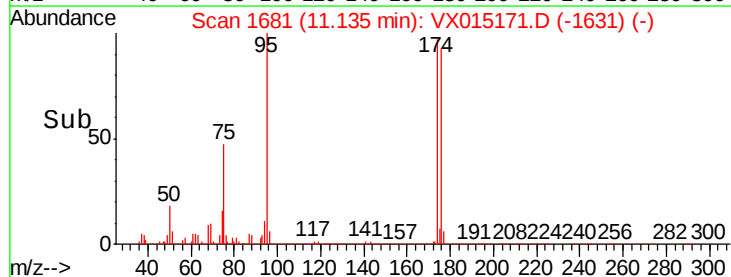
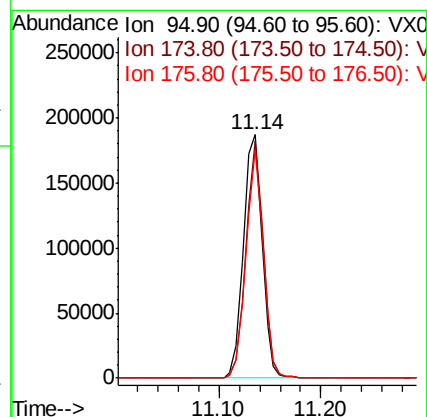
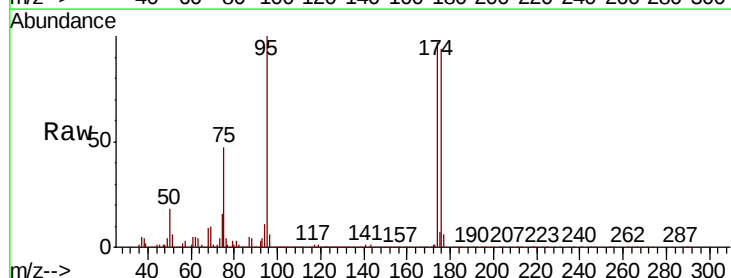
Tgt Ion: 95 Resp: 236187

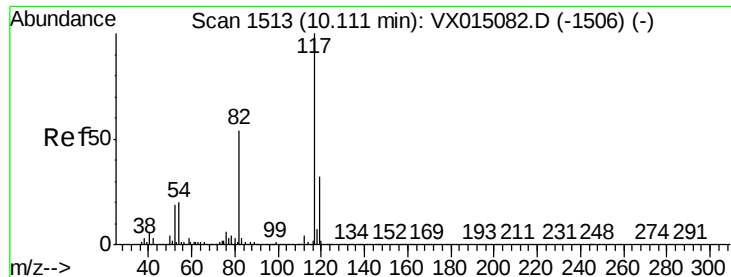
Ion Ratio Lower Upper

95 100

174 90.4 0.0 177.6

176 87.1 0.0 170.2

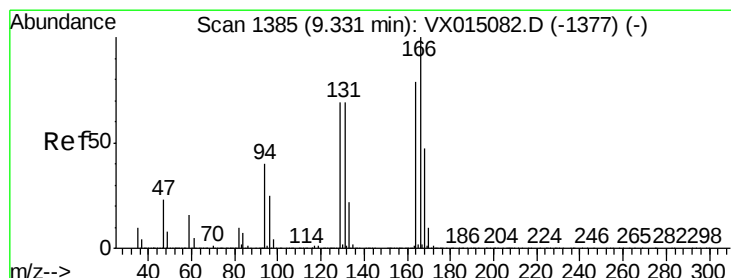
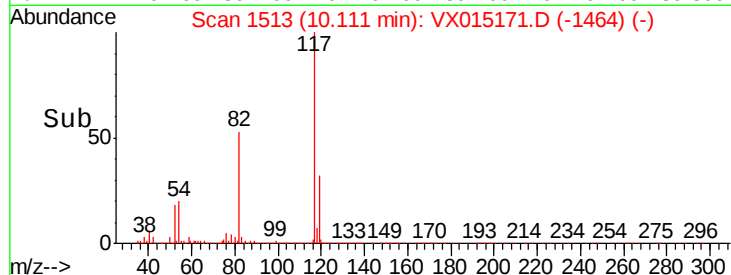
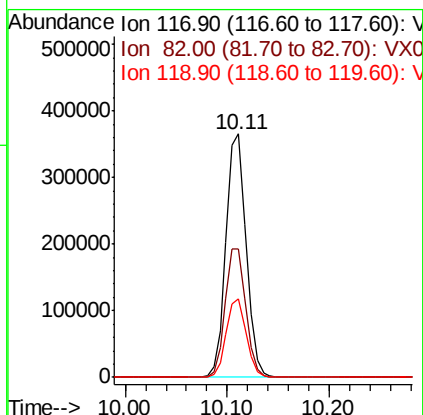
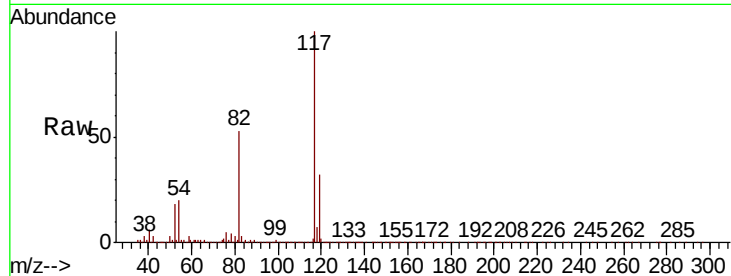




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

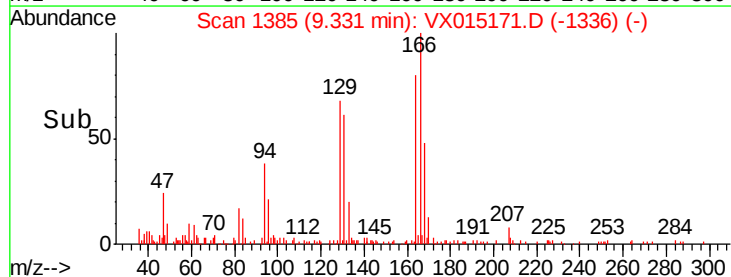
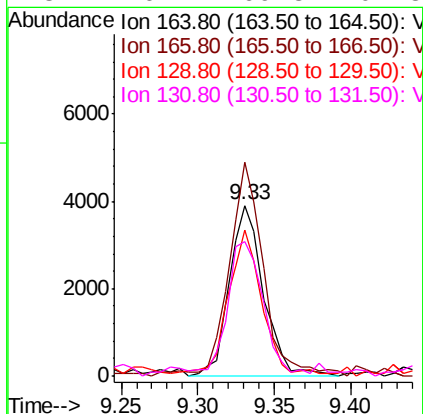
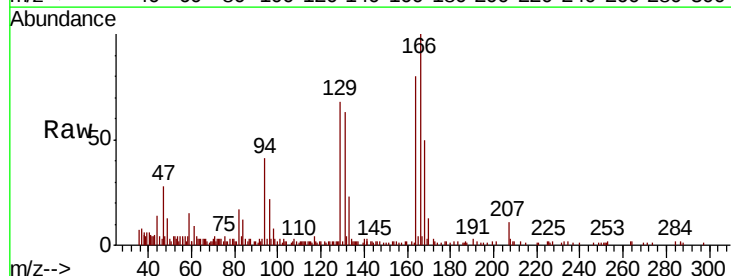
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20200305DL

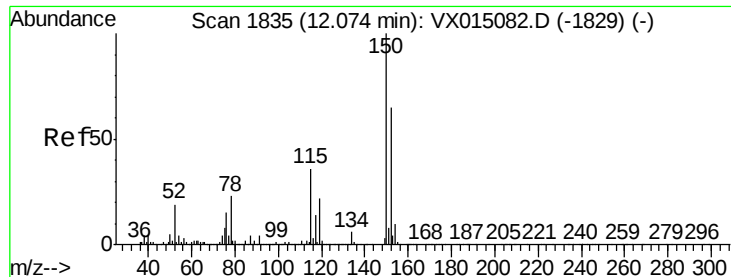
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.3	64.9
119	32.3	25.8	38.8



#64
Tetrachloroethene
Concen: 1.464 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.1	151.7
129	83.8	69.4	104.0
131	76.2	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: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20200305DL

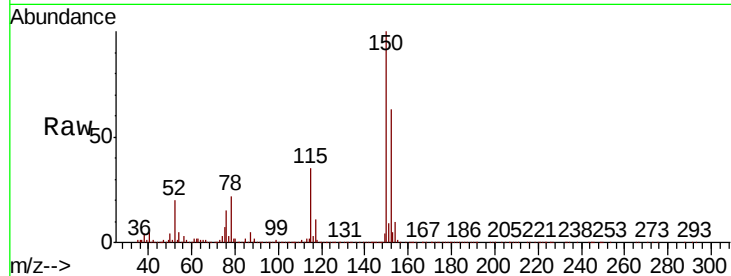
Tot Ion:152 Resp: 270552

Ion Ratio Lower Upper

152 100

115 54.4 38.2 114.6

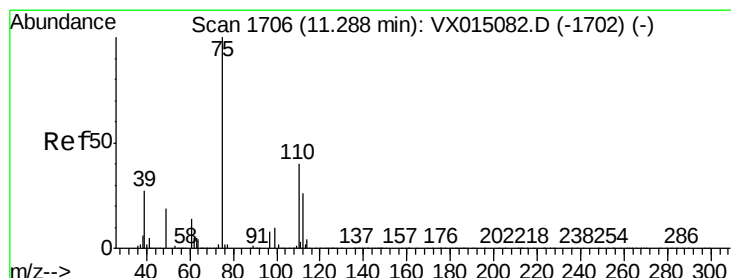
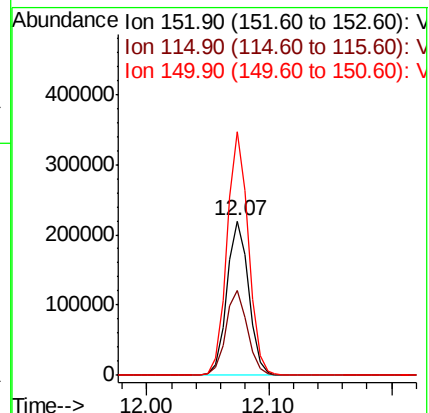
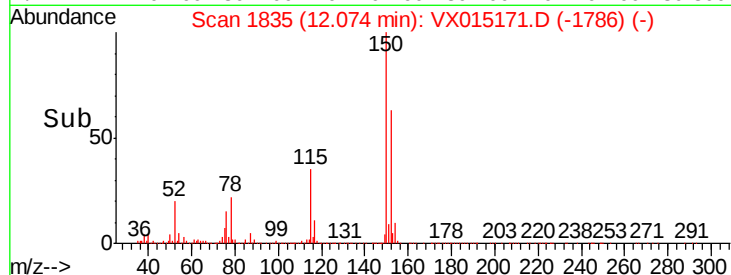
150 154.9 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.905 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015171.D

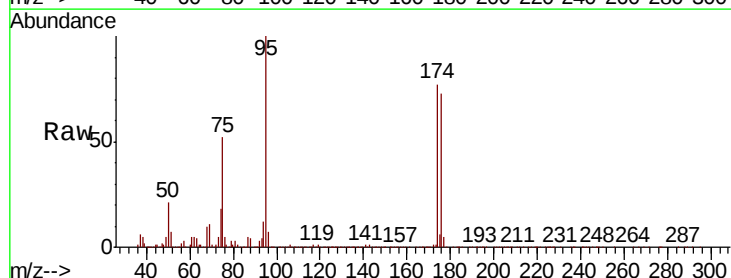
Acq: 10 Mar 2020 15:19

Tgt Ion: 75 Resp: 118217

Ion Ratio Lower Upper

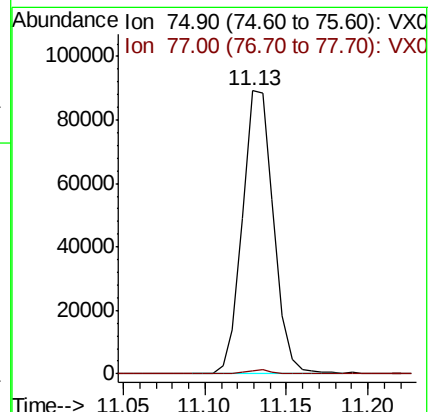
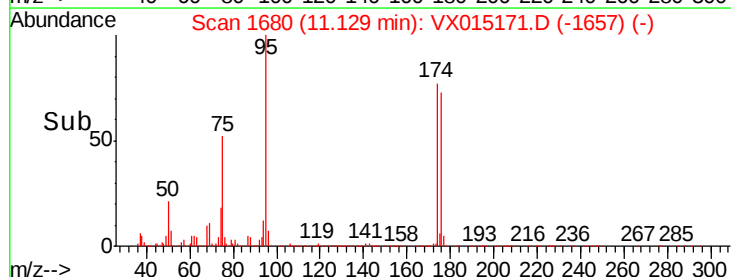
75 100

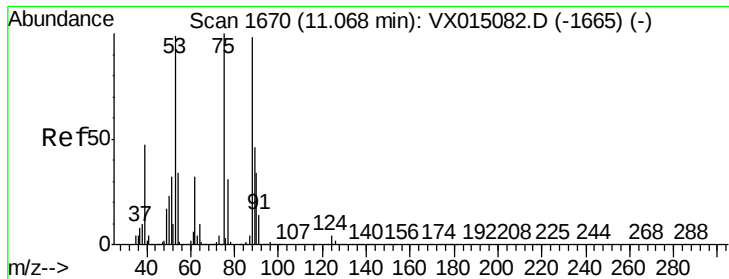
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

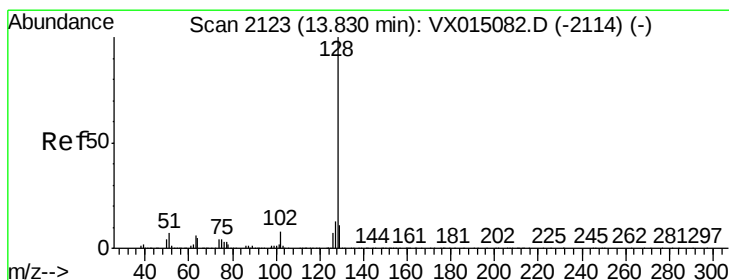
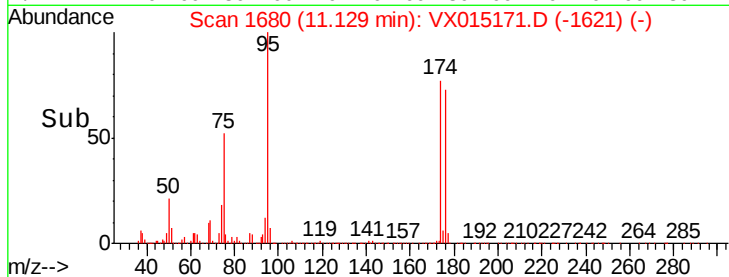
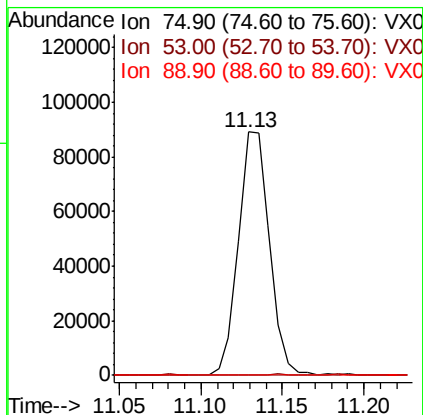
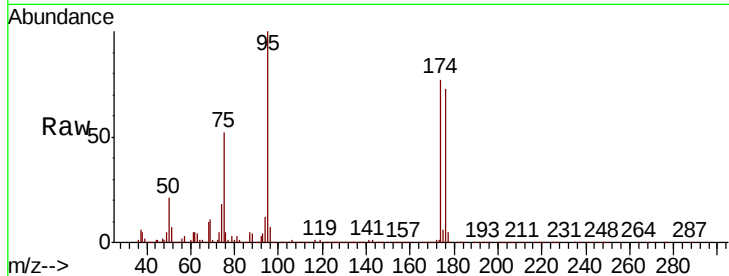




#81
trans-1,4-Dichloro-2-butene
Concen: 62.168 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20200305DL

Tot Ion: 75 Resp: 118217
Ion Ratio Lower Upper
75 100
53 0.5 77.9 116.9#
89 0.0 36.2 54.2#



#95
Naphthalene
Concen: 1.448 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion:128 Resp: 517
Ion Ratio Lower Upper
128 100
127 21.9 10.3 15.5#
129 68.5 8.6 13.0#

