

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031320\
 Data File : VX015256.D
 Acq On : 13 Mar 2020 13:50
 Operator : JC/SP
 Sample : L1903-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20200309

Quant Time: Mar 16 08:19:54 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	270924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	433509	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	419430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	215456	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	152670	47.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.00%	
35) Dibromofluoromethane	5.49	113	132306	48.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	528158	50.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	195379	52.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.30%	

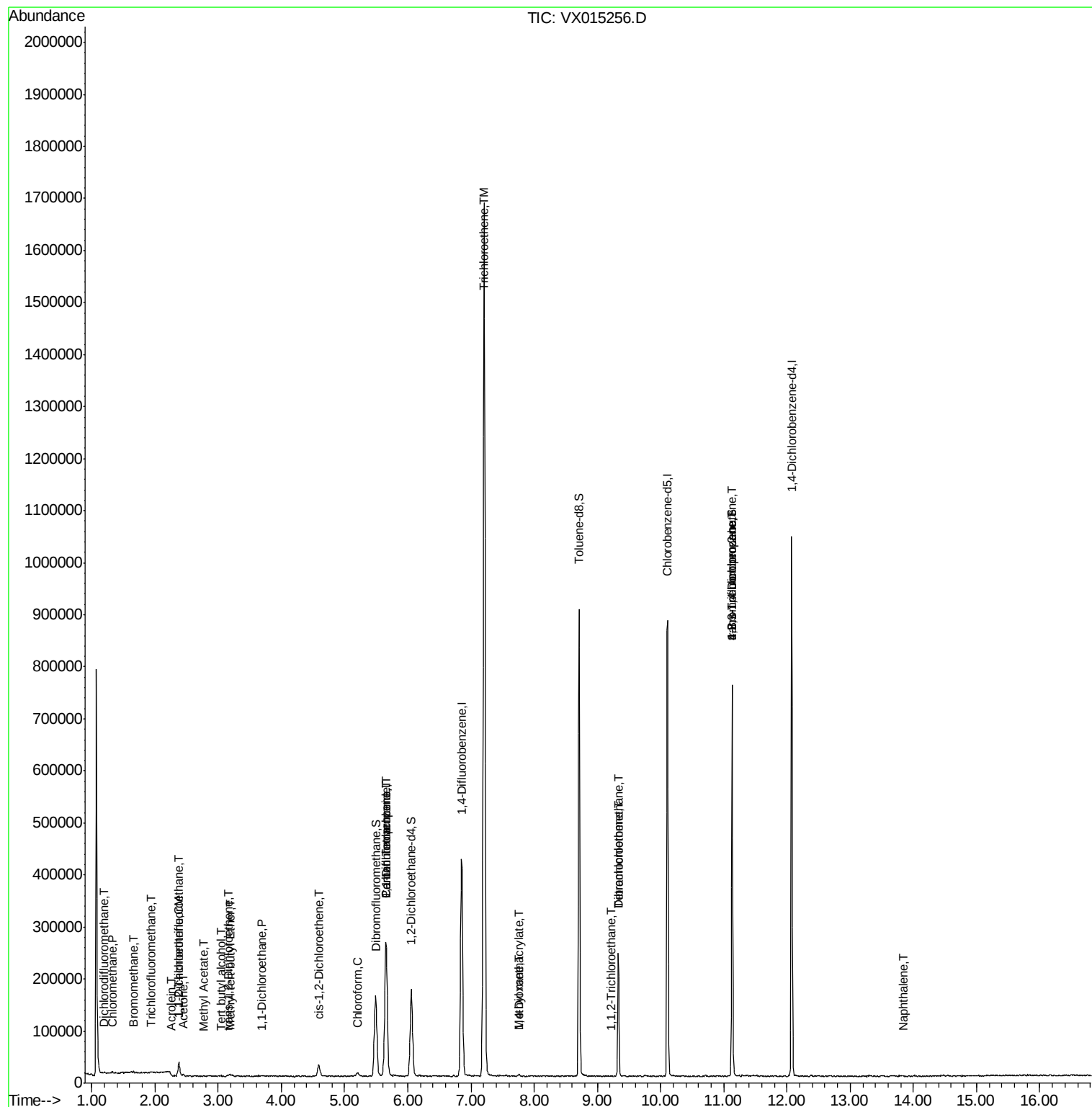
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	588	0.248	ug/l	95
3) Chloromethane	1.31	50	968	0.288	ug/l #	82
5) Bromomethane	1.66	94	589	0.281	ug/l #	7
7) Trichlorofluoromethane	1.92	101	907	0.224	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10314	4.043	ug/l	96
11) Tert butyl alcohol	3.04	59	271	0.486	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	2412	0.916	ug/l	86
13) Acrolein	2.26	56	255	0.487	ug/l #	45
16) Acetone	2.44	43	3481	2.674	ug/l #	55
18) Methyl Acetate	2.76	43	808	0.254	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	5504	0.669	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	801	0.285	ug/l #	27
24) 1,1-Dichloroethane	3.69	63	2432	0.479	ug/l #	74
27) cis-1,2-Dichloroethene	4.59	96	13476	4.273	ug/l	94
30) Chloroform	5.20	83	8564	1.731	ug/l	97
36) 1,1-Dichloropropene	5.65	75	18249	4.554	ug/l #	42
38) Carbon Tetrachloride	5.65	117	24447	6.463	ug/l #	16
44) Trichloroethene	7.21	130	663850	200.480	ug/l	97
48) Methyl methacrylate	7.76	41	669	0.201	ug/l #	53
49) 1,4-Dioxane	7.76	88	2493	34.641	ug/l #	86
55) 1,1,2-Trichloroethane	9.21	97	800	0.267	ug/l #	47
60) Dibromochloromethane	9.33	129	40839	12.992	ug/l #	11
64) Tetrachloroethene	9.33	164	47032	13.562	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	93704	21.803	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	93704	61.878	ug/l #	11
95) Naphthalene	13.84	128	689	1.467	ug/l #	75

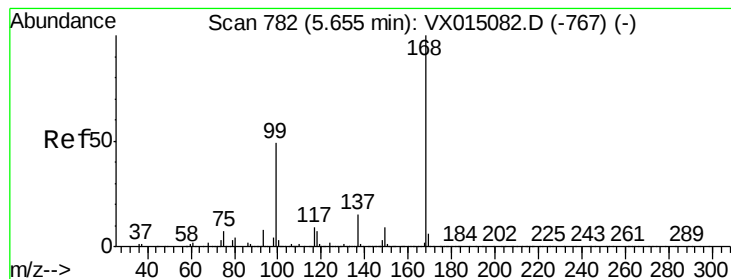
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031320\
Data File : VX015256.D
Acq On : 13 Mar 2020 13:50
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Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Mar 16 08:19:54 2020
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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: VX015256.D

Acq: 13 Mar 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

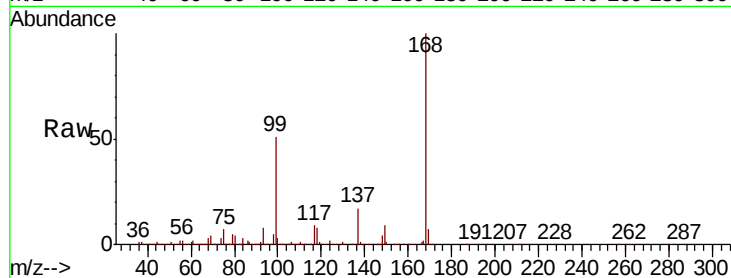
RE131D1-20200309

Tot Ion:168 Resp: 270924

Ion Ratio Lower Upper

168 100

99 50.4 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

100000

80000

60000

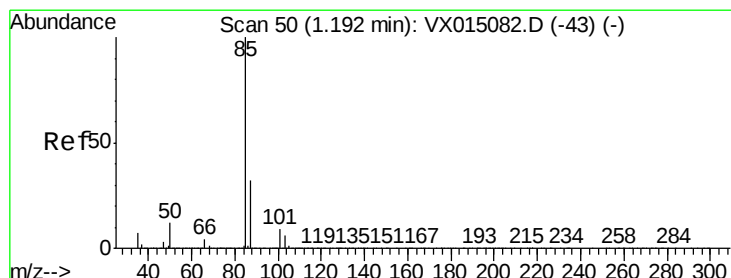
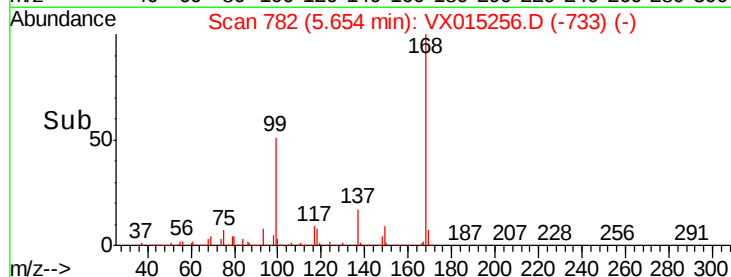
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.248 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015256.D

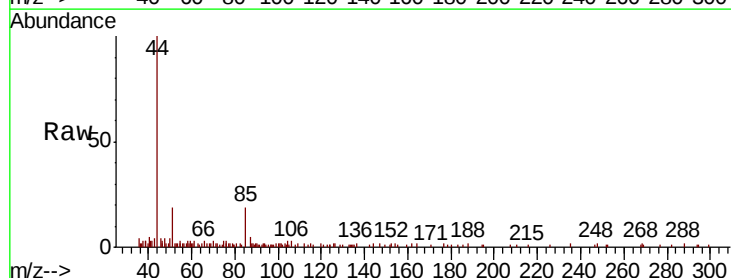
Acq: 13 Mar 2020 13:50

Tgt Ion: 85 Resp: 588

Ion Ratio Lower Upper

85 100

87 29.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

1000

800

600

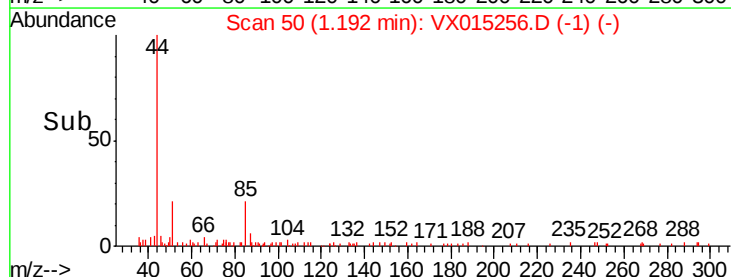
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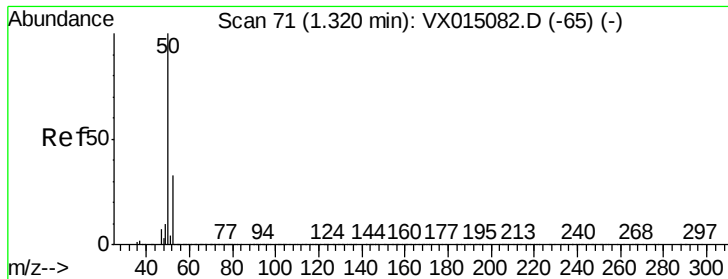
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0

Time-->

1.16 1.18 1.20 1.22

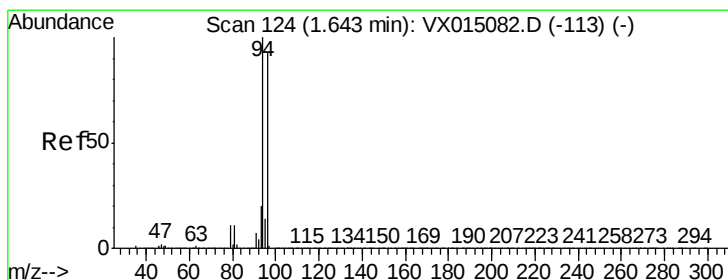
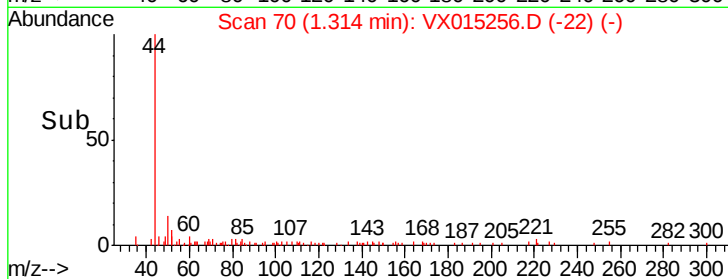
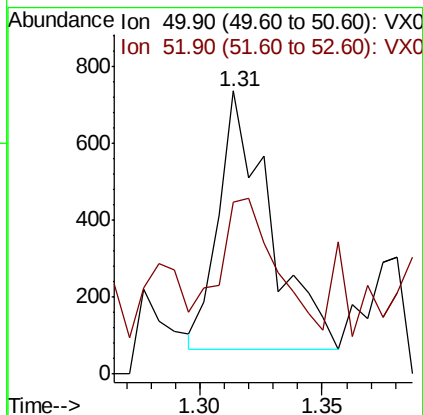
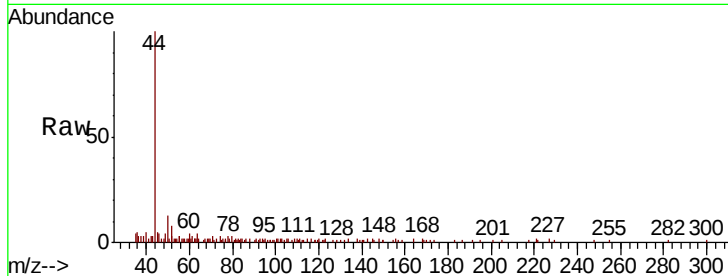




#3
Chloromethane
Concen: 0.288 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

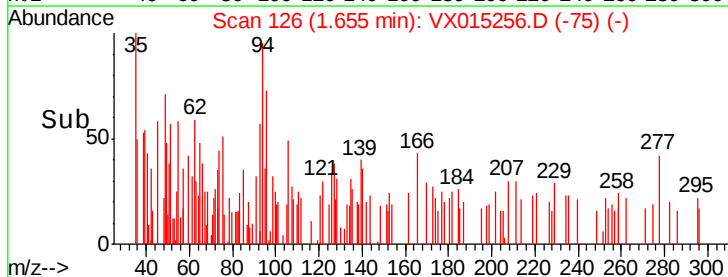
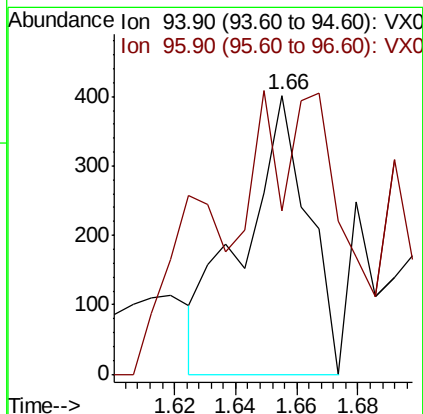
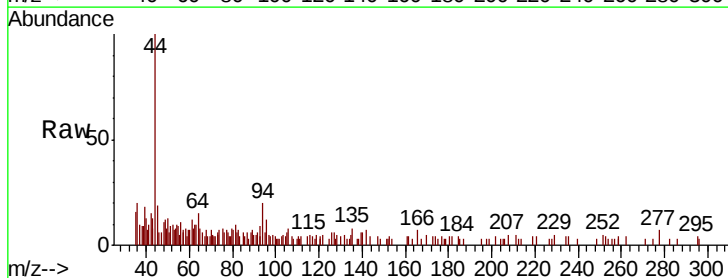
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

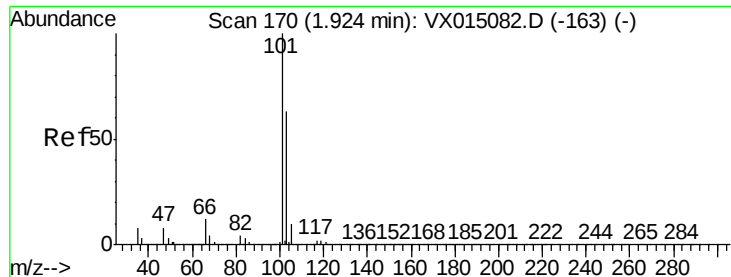
Tot Ion: 50 Resp: 968
Ion Ratio Lower Upper
50 100
52 42.6 26.2 39.2#



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.66 min Scan# 126
Delta R.T. 0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion: 94 Resp: 589
Ion Ratio Lower Upper
94 100
96 3.7 74.6 111.8#



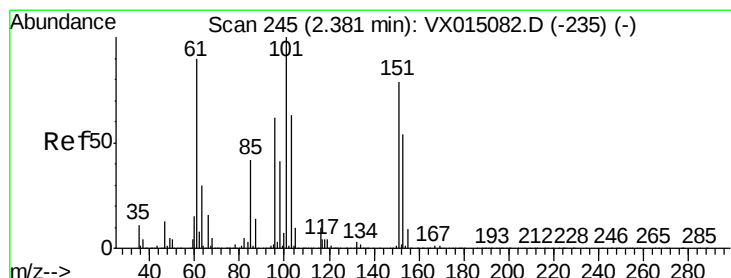
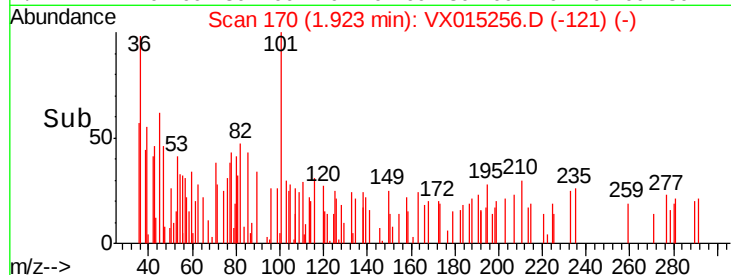
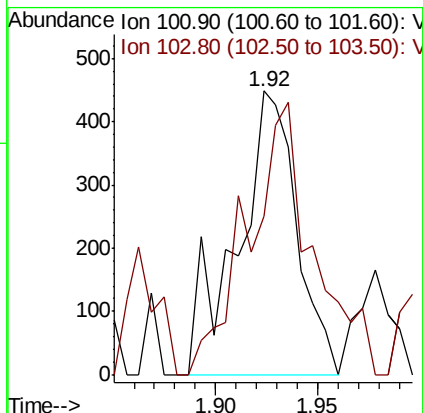
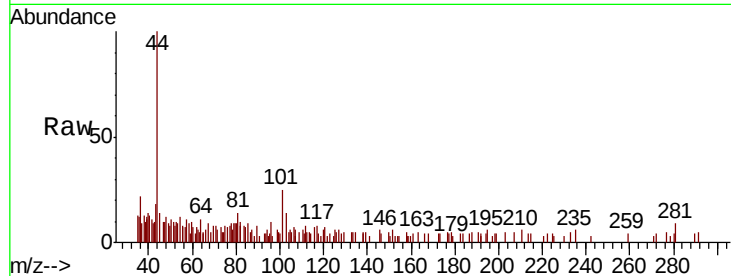


#7

Trichlorofluoromethane
 Concen: 0.224 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX015256.D
 Acq: 13 Mar 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20200309

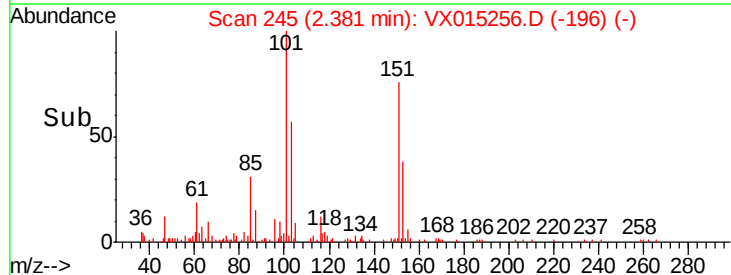
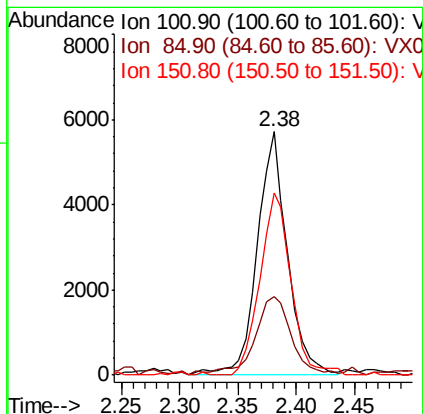
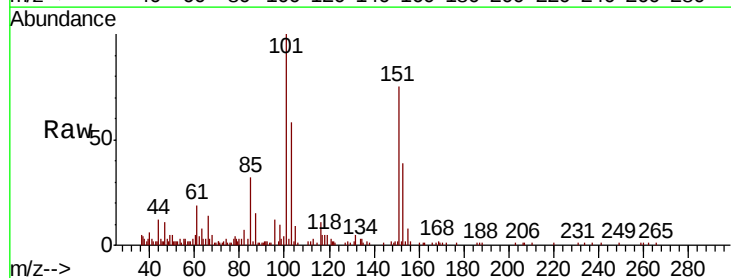
Tot Ion	Ratio	Lower	Upper
101	100		
103	56.0	50.4	75.6

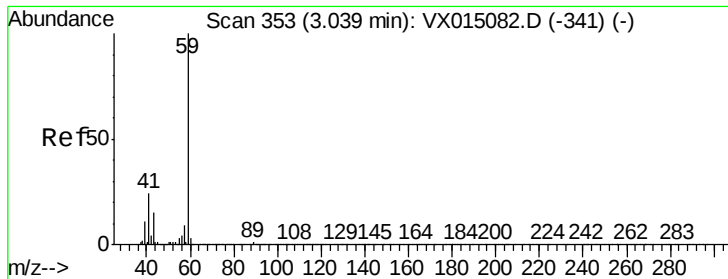


#9

1,1,2-Trichlorotrifluoroethane
 Concen: 4.043 ug/l
 RT: 2.38 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VX015256.D
 Acq: 13 Mar 2020 13:50

Tgt Ion	Ratio	Lower	Upper
101	100		
85	39.6	33.7	50.5
151	76.8	64.0	96.0

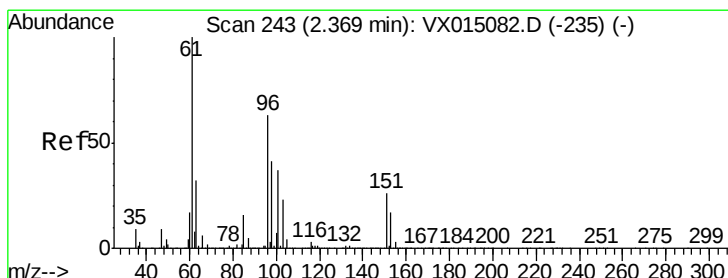
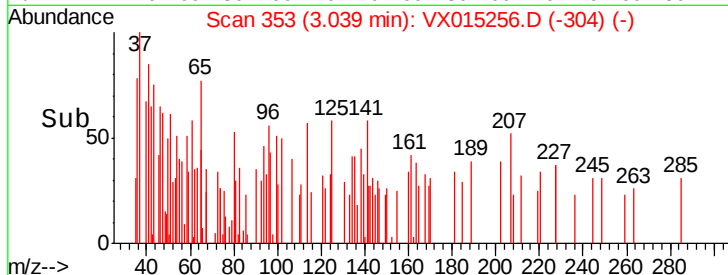
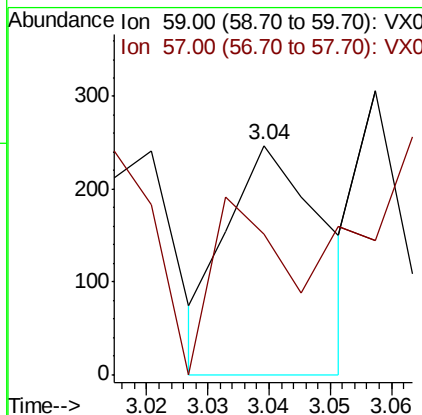
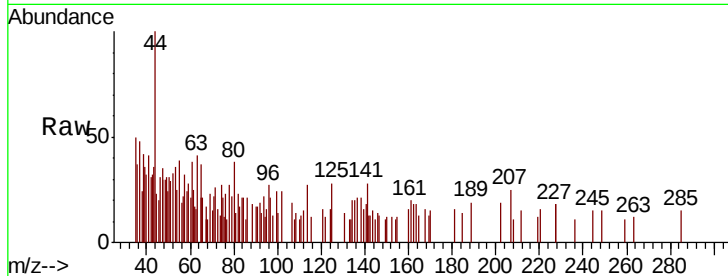




#11
Tert butyl alcohol
Concen: 0.486 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

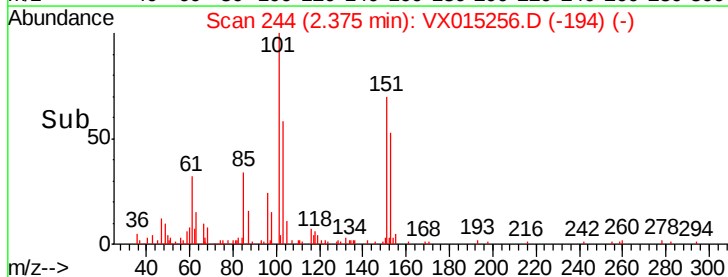
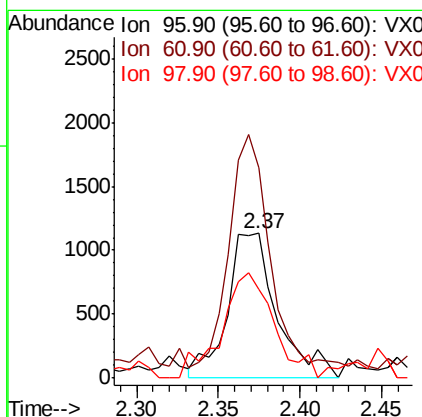
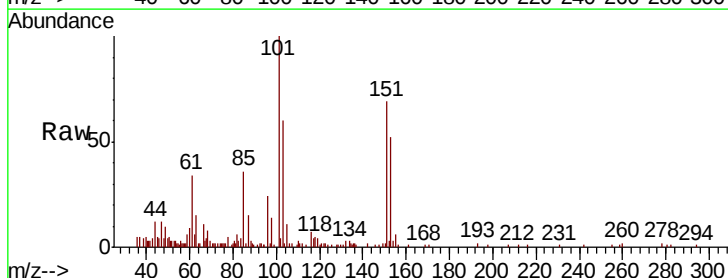
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

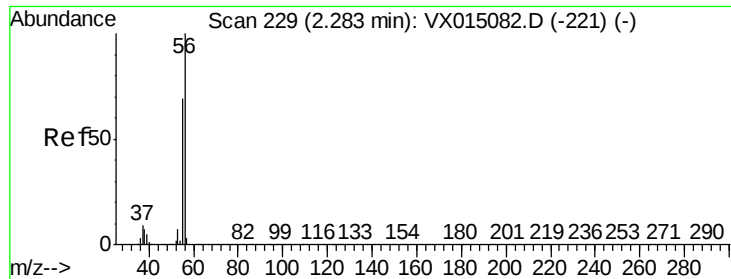
Tot Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 58.3 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.916 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion: 96 Resp: 2412
Ion Ratio Lower Upper
96 100
61 137.8 126.2 189.4
98 55.1 51.4 77.0

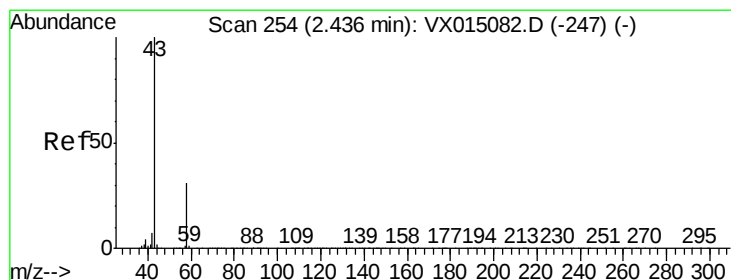
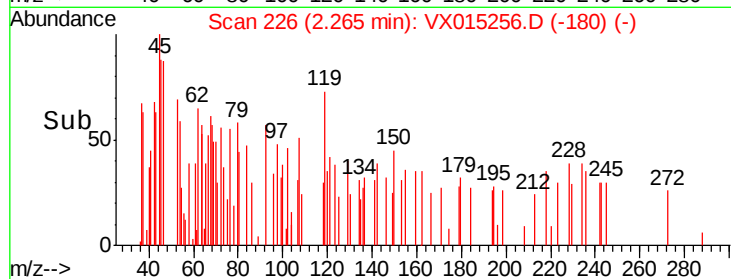
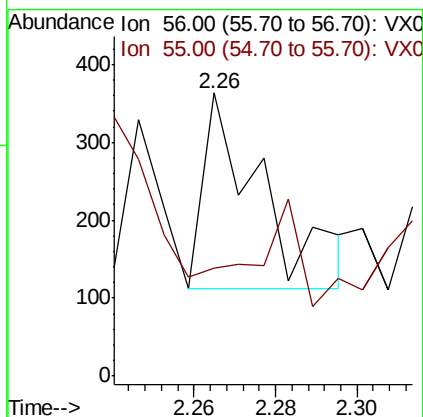
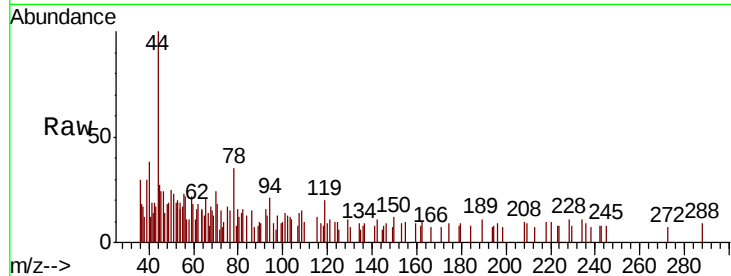




#13
Acrolein
Concen: 0.487 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

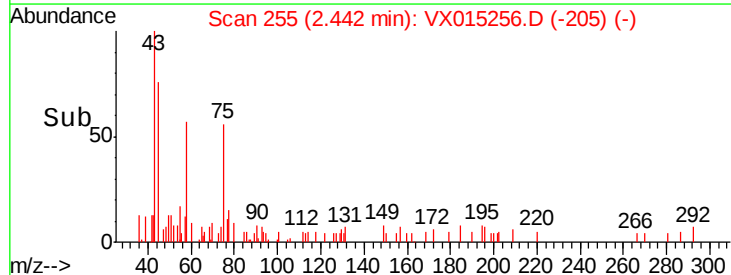
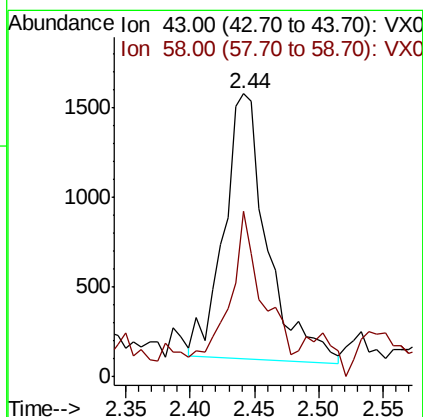
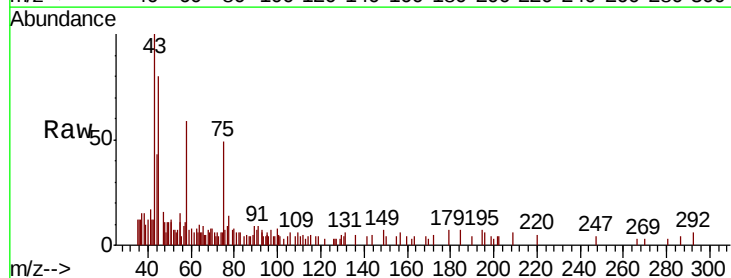
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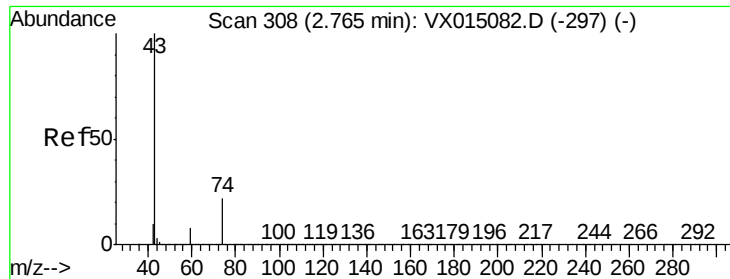
Tot Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 24.7 55.4 83.0#



#16
Acetone
Concen: 2.674 ug/l
RT: 2.44 min Scan# 255
Delta R.T. 0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion: 43 Resp: 3481
Ion Ratio Lower Upper
43 100
58 55.8 24.8 37.2#

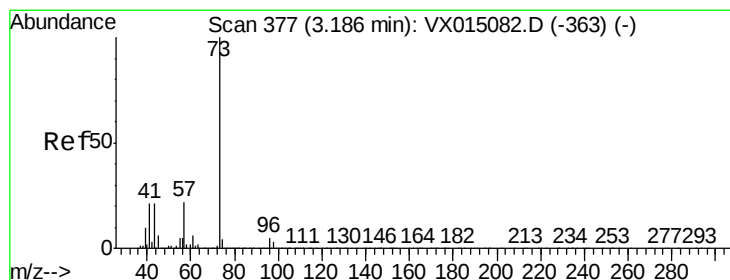
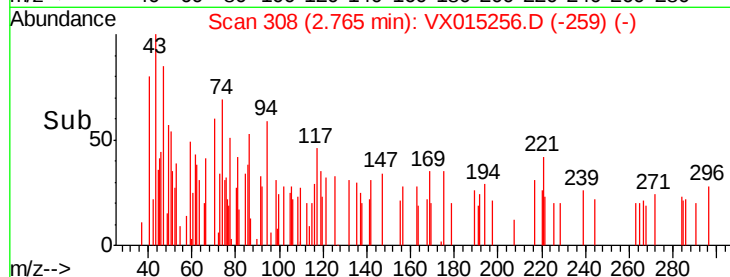
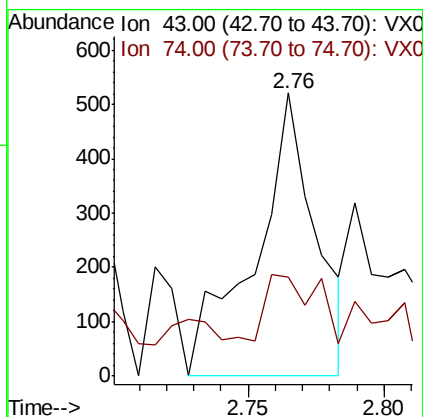
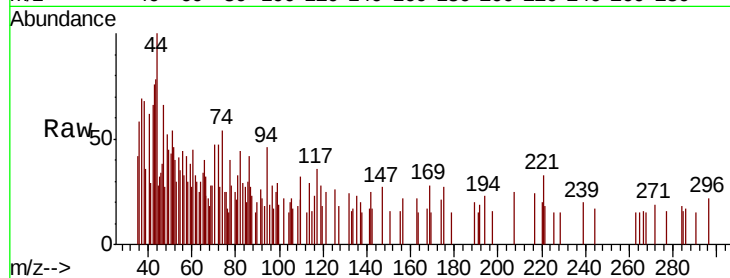




#18
Methvl Acetate
Concen: 0.254 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

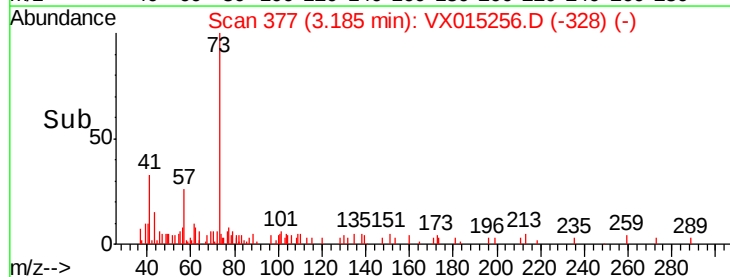
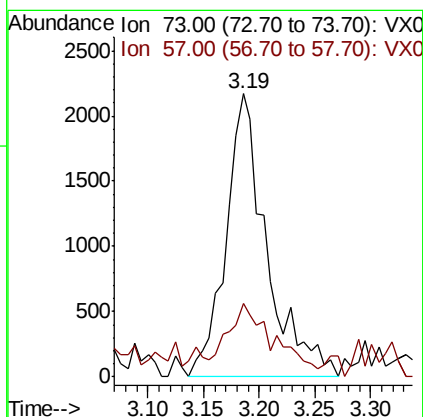
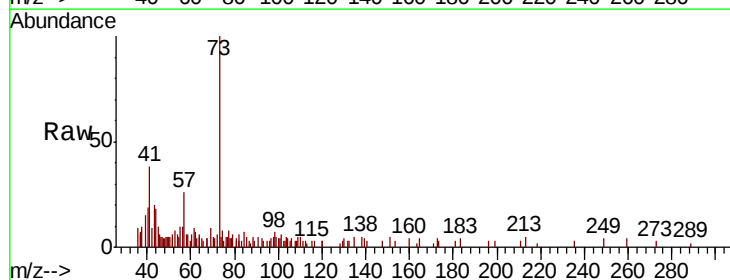
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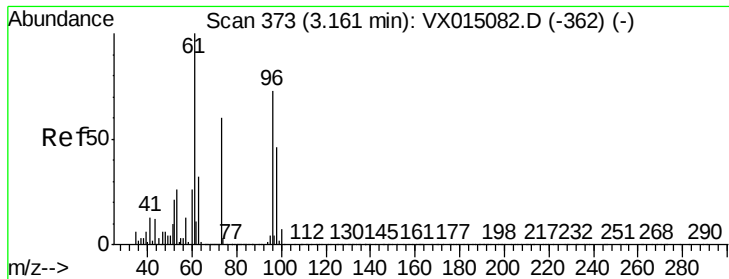
Tot Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
74 20.8 18.8 28.2



#19
Methyl tert-butyl Ether
Concen: 0.669 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion: 73 Resp: 5504
Ion Ratio Lower Upper
73 100
57 20.3 17.8 26.6





#21

trans-1,2-Dichloroethene

Concen: 0.285 ug/l

RT: 3.17 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX015256.D

Acq: 13 Mar 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20200309

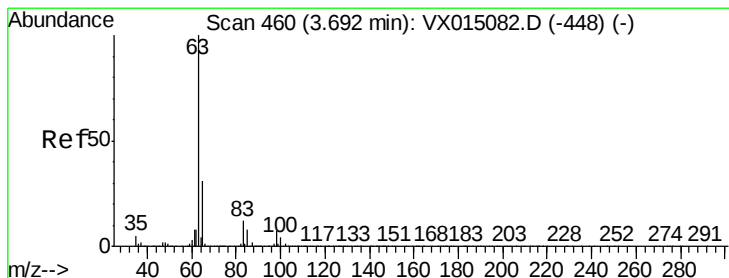
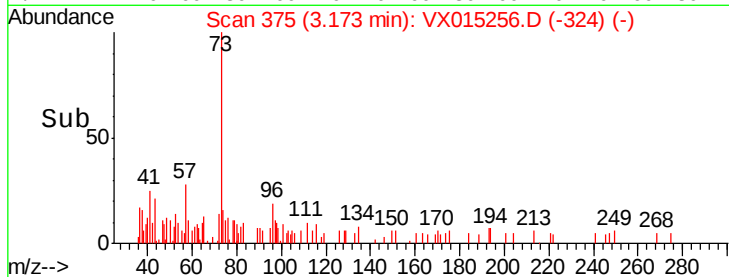
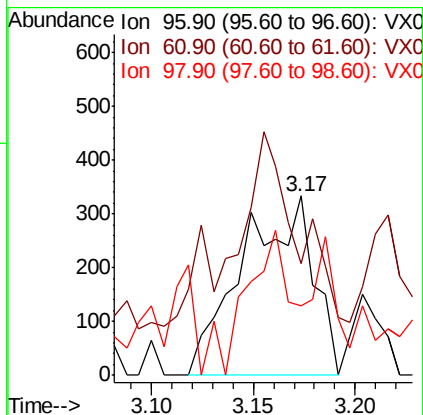
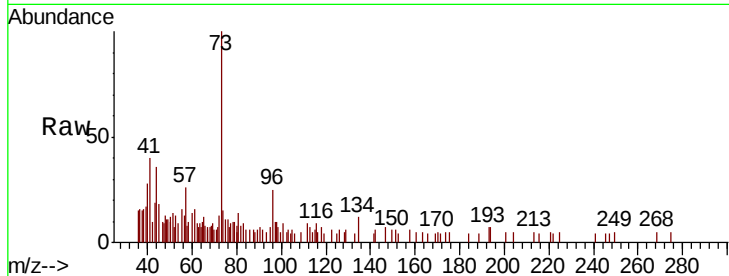
Tot Ion: 96 Resp: 801

Ion Ratio Lower Upper

96 100

61 29.7 109.9 164.9#

98 33.0 50.2 75.2#



#24

1,1-Dichloroethane

Concen: 0.479 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015256.D

Acq: 13 Mar 2020 13:50

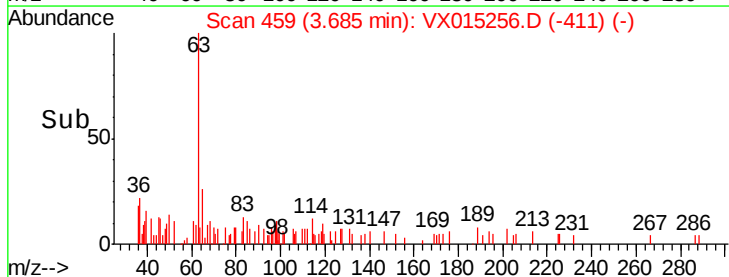
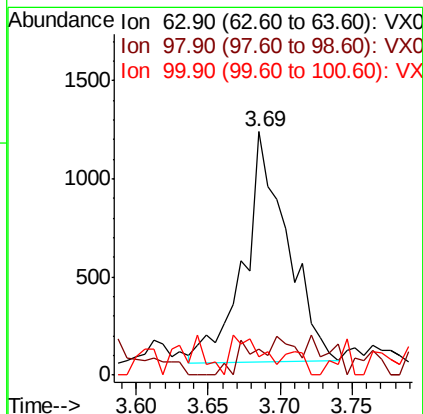
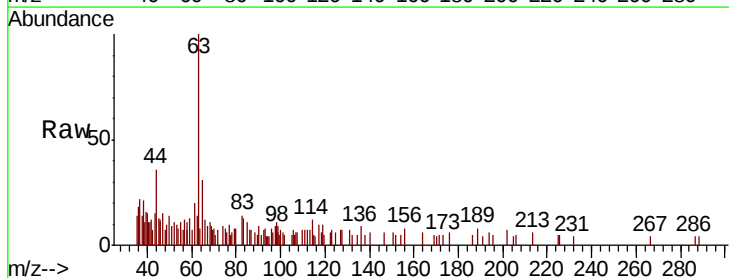
Tgt Ion: 63 Resp: 2432

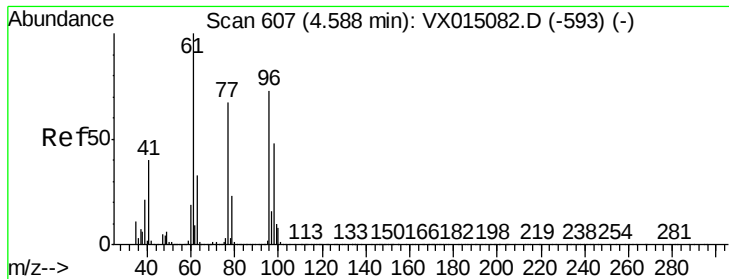
Ion Ratio Lower Upper

63 100

98 20.9 3.7 11.1#

100 3.3 2.1 6.5



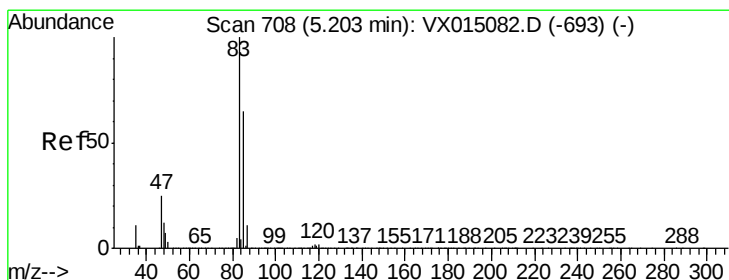
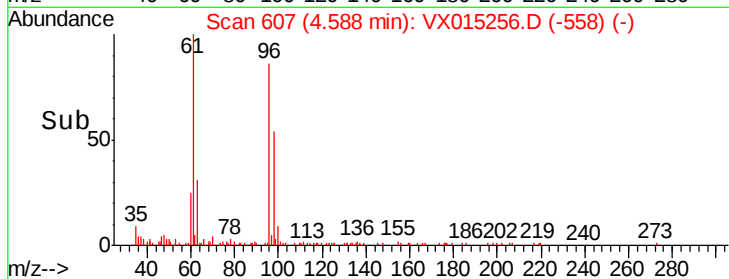
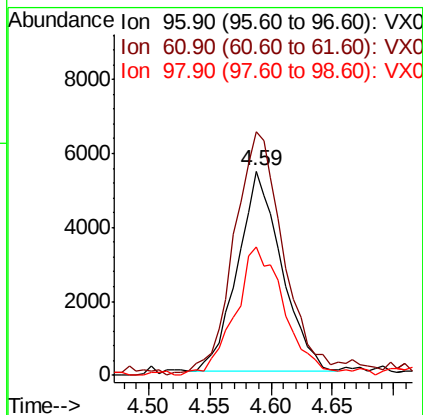
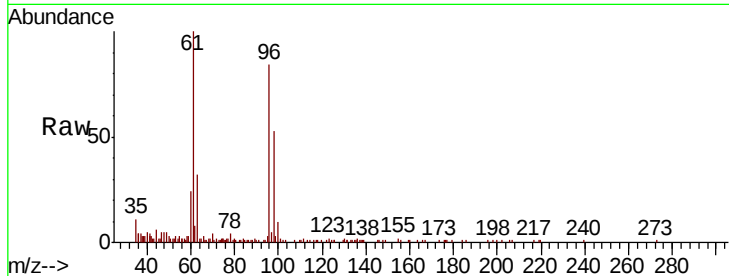


#27

cis-1,2-Dichloroethene
 Concen: 4.273 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VX015256.D
 Acq: 13 Mar 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20200309

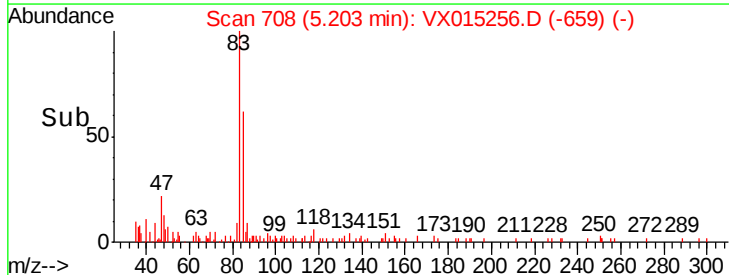
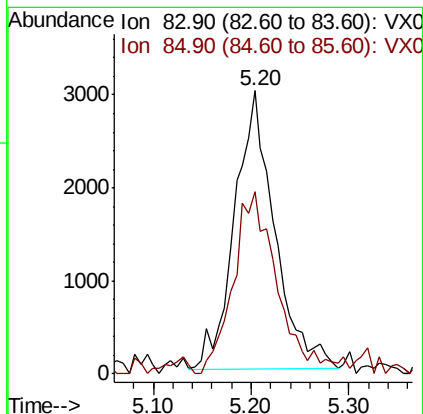
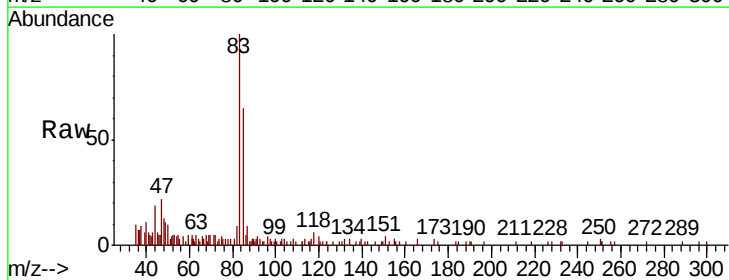
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	286.8
98	72.4	0.0	128.4

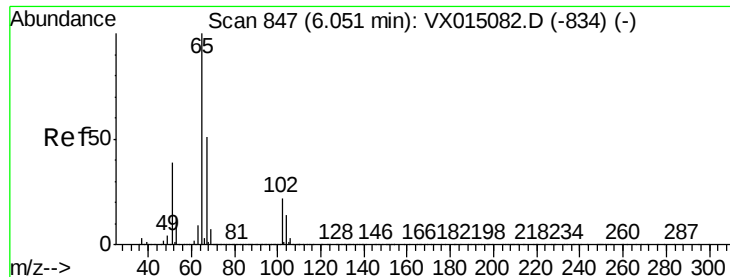


#30

Chloroform
 Concen: 1.731 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VX015256.D
 Acq: 13 Mar 2020 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.0	78.0





#33

1,2-Dichloroethane-d4

Concen: 47.499 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015256.D

Acq: 13 Mar 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

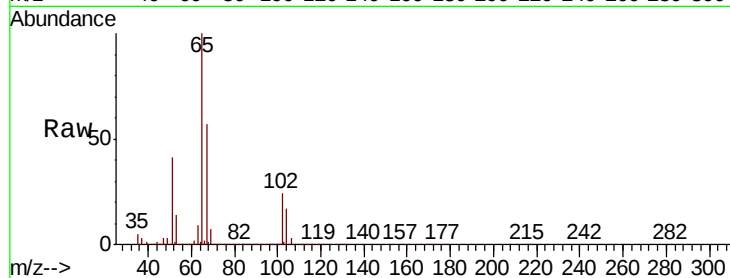
RE131D1-20200309

Tot Ion: 65 Resp: 152670

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

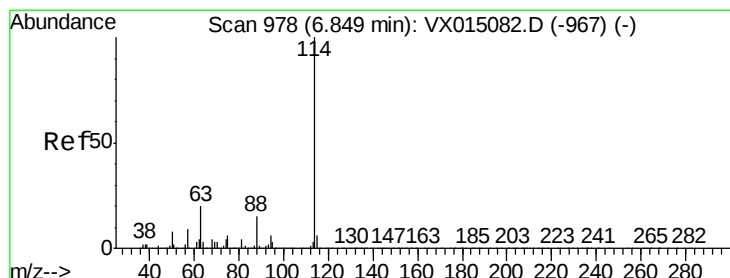
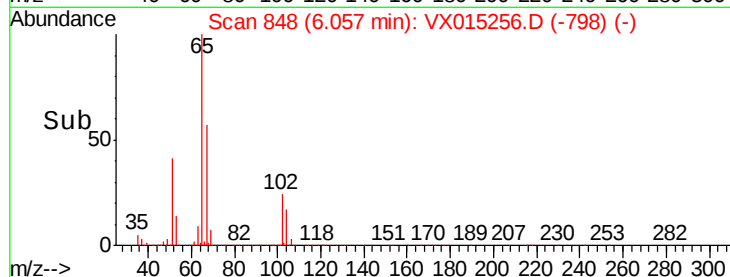
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015256.D

Acq: 13 Mar 2020 13:50

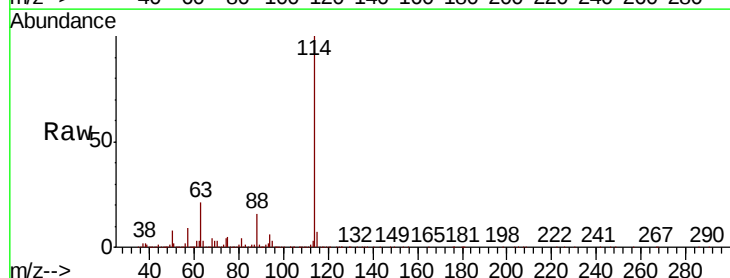
Tgt Ion: 114 Resp: 433509

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.6 0.0 30.6



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

250000

200000

150000

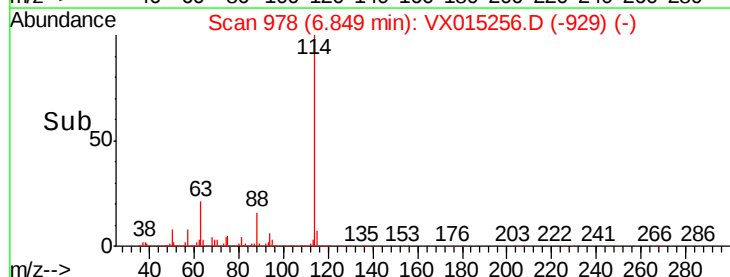
100000

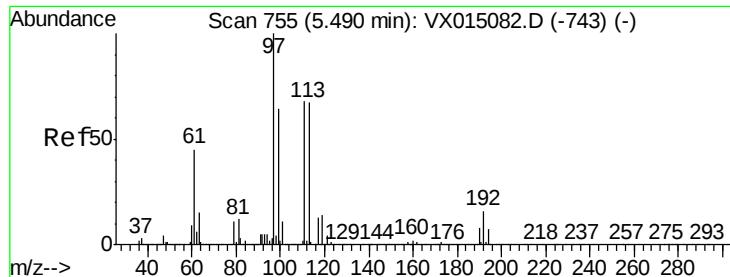
50000

0

6.70 6.80 6.90 7.00

Time-->

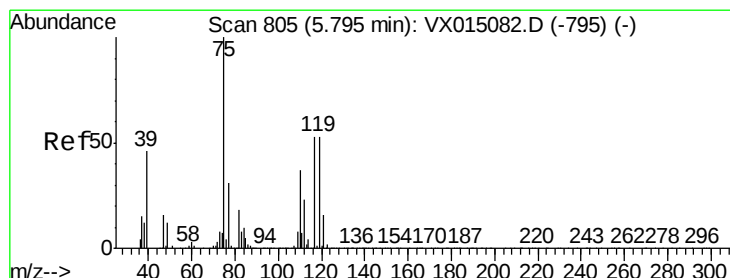
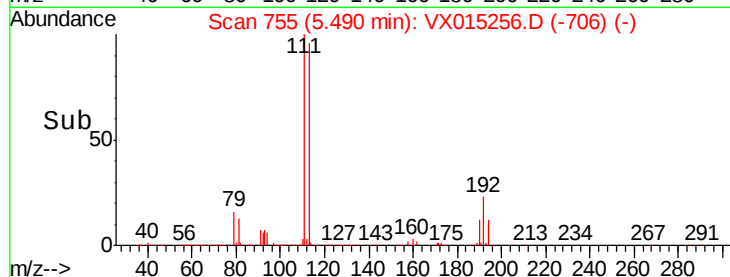
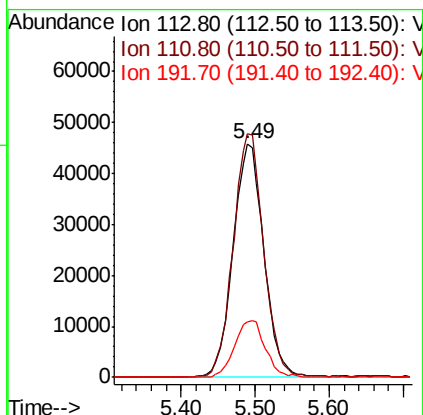
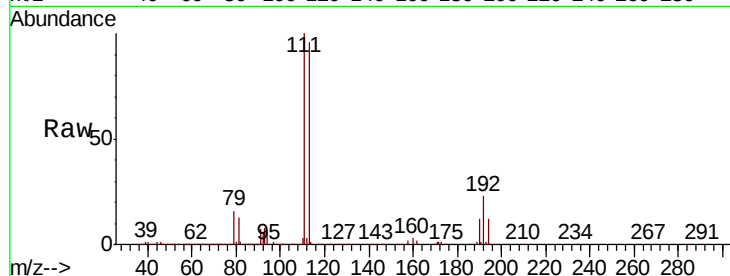




#35
 Dibromofluoromethane
 Concen: 48.377 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015256.D
 Acq: 13 Mar 2020 13:50

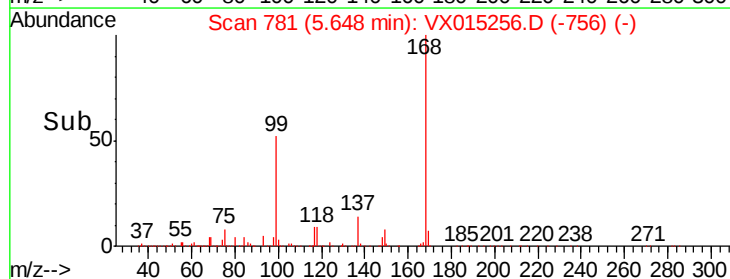
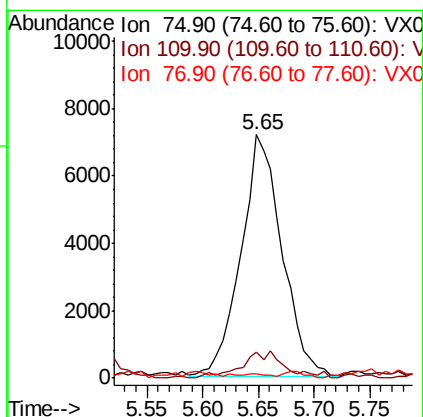
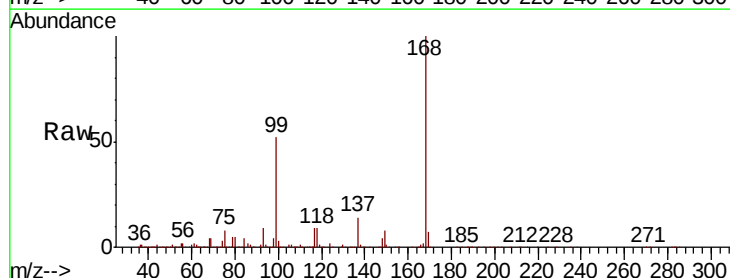
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20200309

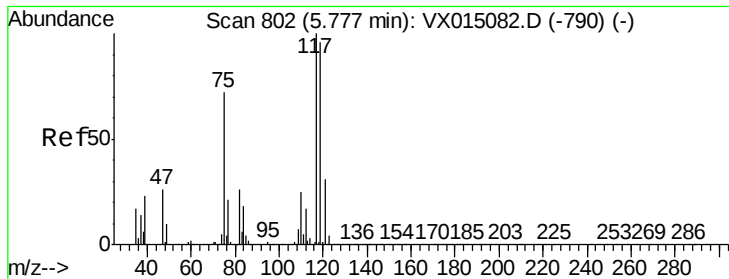
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	24.5	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.554 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015256.D
 Acq: 13 Mar 2020 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.8#
77	0.7	24.8	37.2#

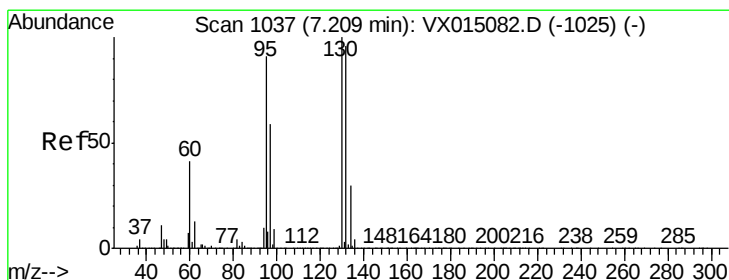
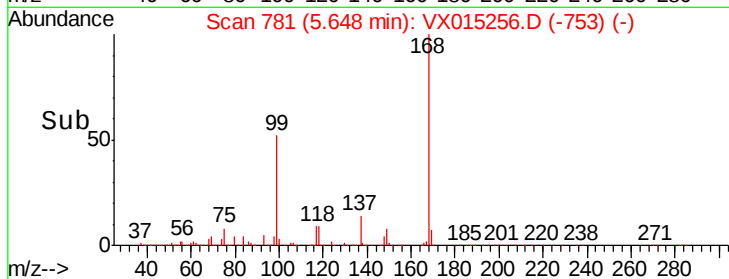
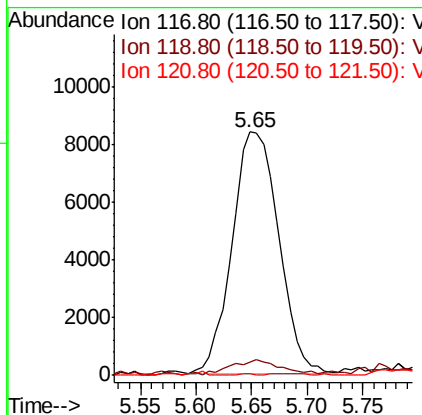
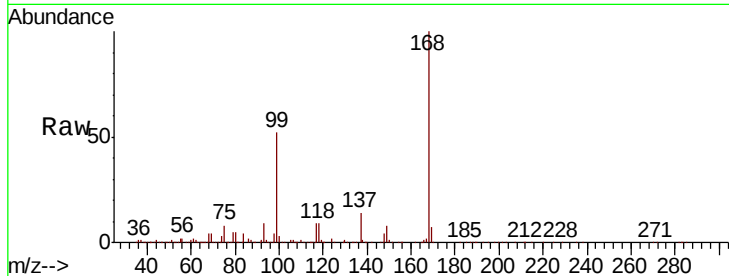




#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

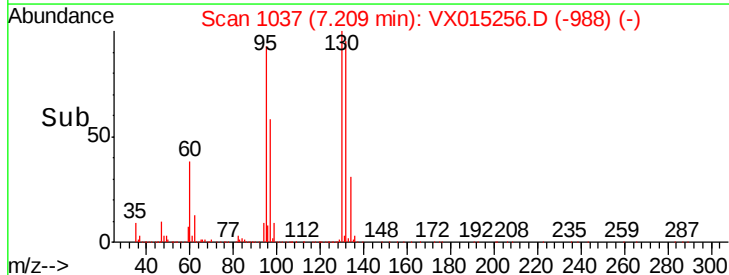
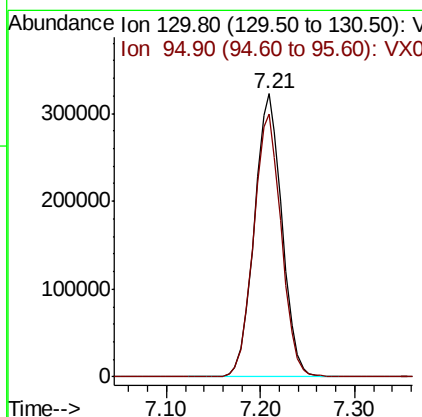
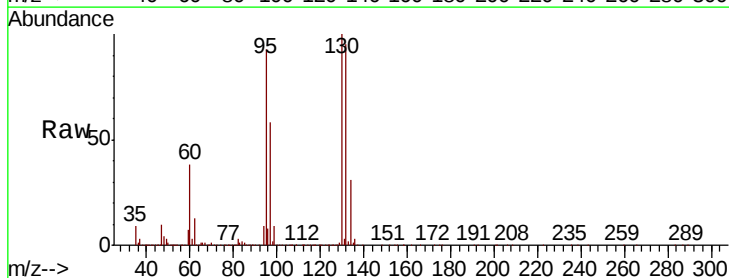
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

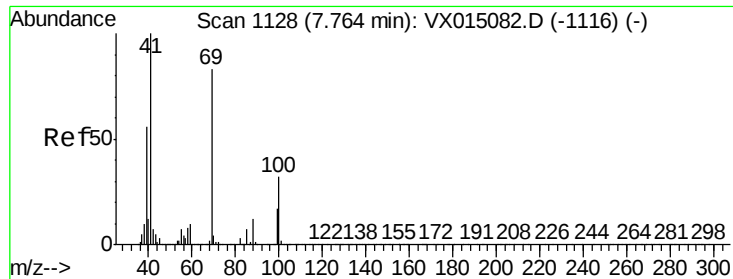
Tot Ion:117 Resp: 24447
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.8 24.6 37.0#



#44
Trichloroethene
Concen: 200.480 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion:130 Resp: 663850
Ion Ratio Lower Upper
130 100
95 93.1 0.0 181.2

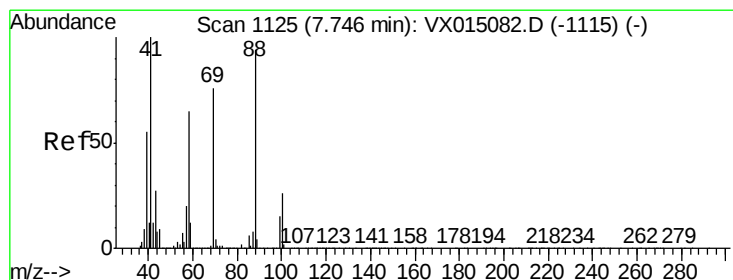
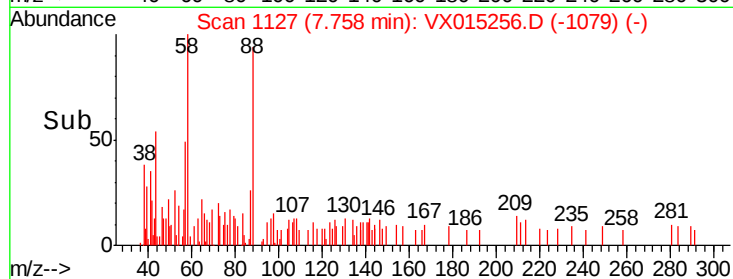
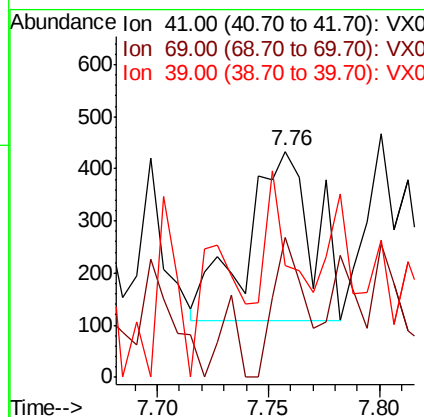
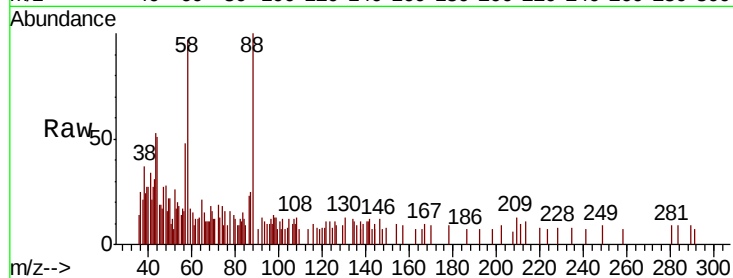




#48
Methvl methacrylate
Concen: 0.201 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

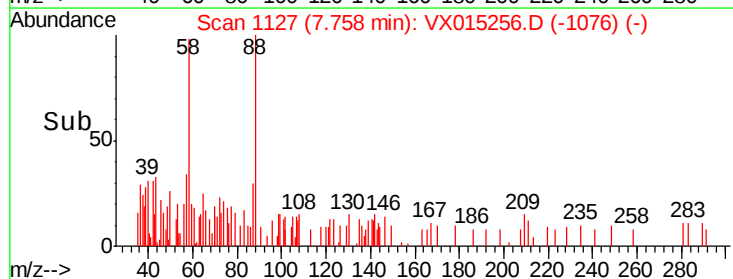
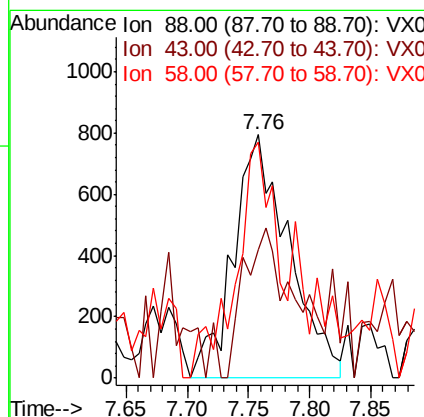
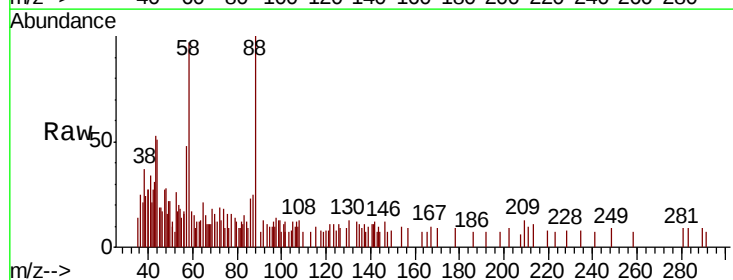
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

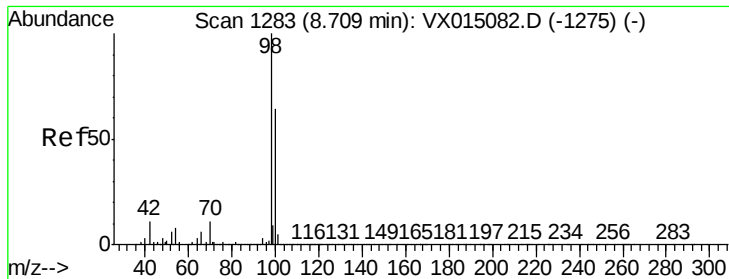
Tot Ion: 41 Resp: 669
Ion Ratio Lower Upper
41 100
69 38.3 65.4 98.2#
39 22.7 44.6 67.0#



#49
1,4-Dioxane
Concen: 34.641 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion: 88 Resp: 2493
Ion Ratio Lower Upper
88 100
43 57.3 27.0 40.4#
58 70.4 55.6 83.4





#50

Toluene-d8

Concen: 50.769 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015256.D

Acq: 13 Mar 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

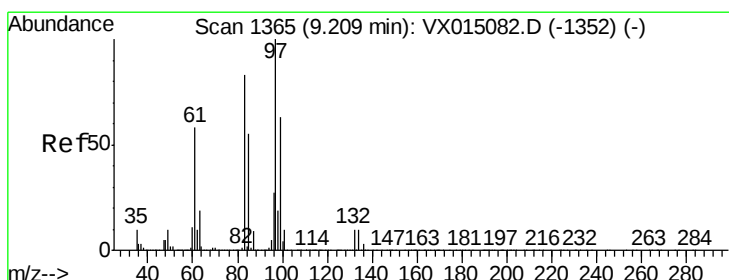
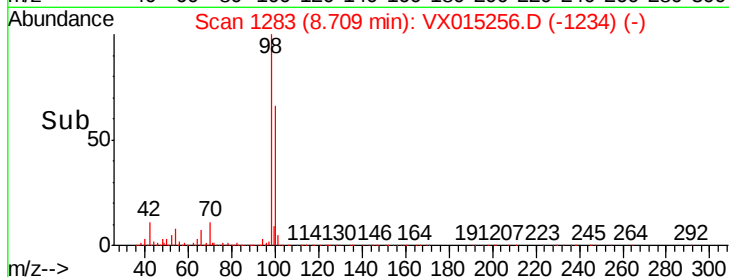
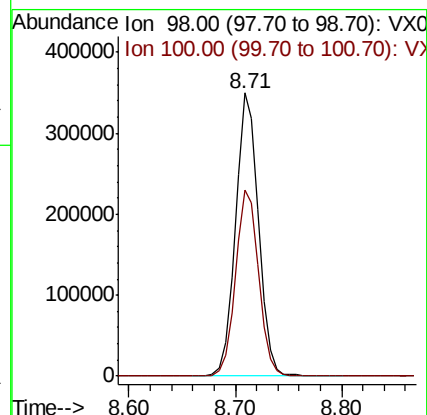
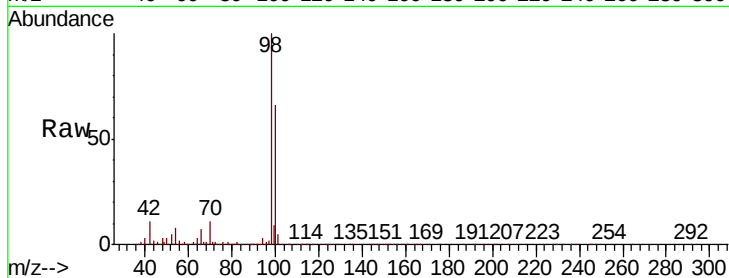
RE131D1-20200309

Tot Ion: 98 Resp: 528158

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#55

1,1,2-Trichloroethane

Concen: 0.267 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX015256.D

Acq: 13 Mar 2020 13:50

Tgt Ion: 97 Resp: 800

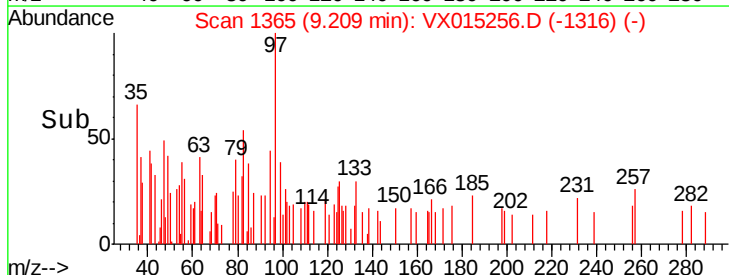
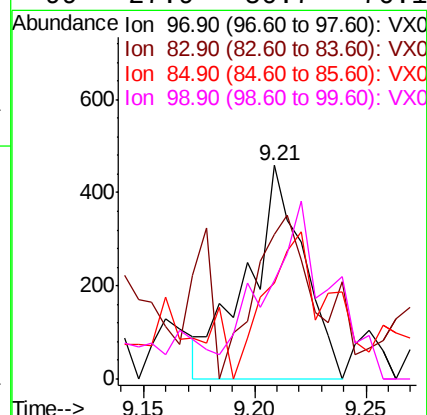
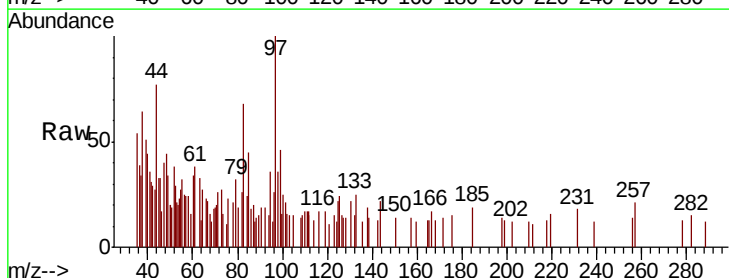
Ion Ratio Lower Upper

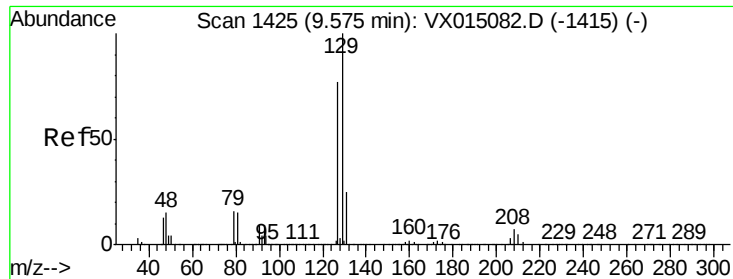
97 100

83 22.2 66.4 99.6#

85 25.7 43.5 65.3#

99 27.9 50.7 76.1#

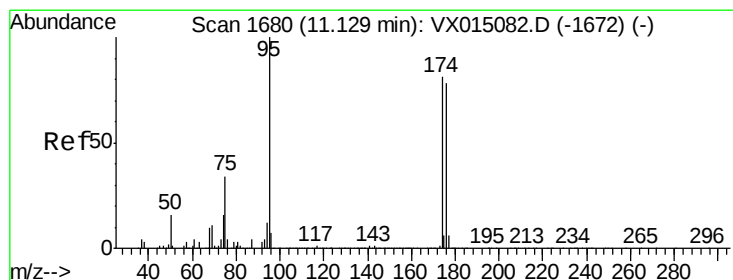
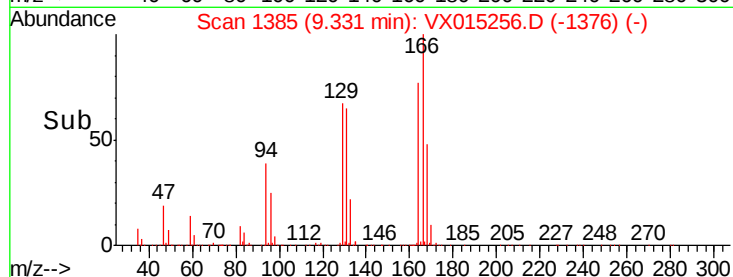
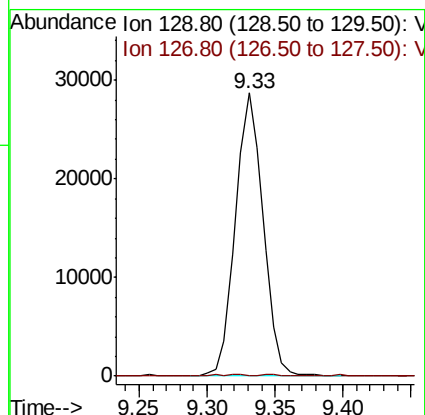
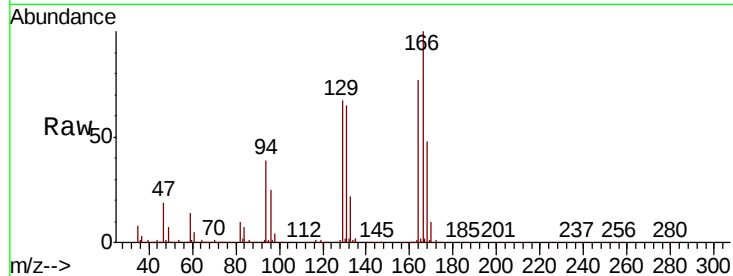




#60
Dibromochloromethane
Concen: 12.992 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.24 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

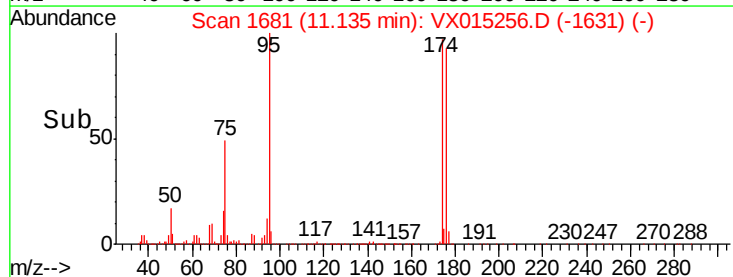
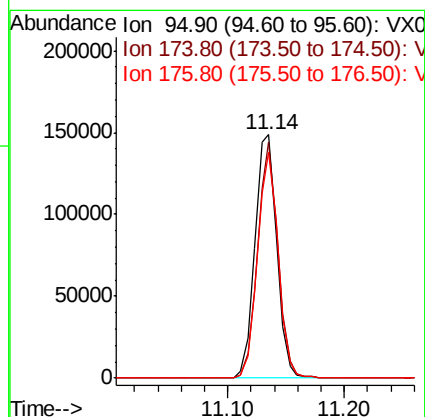
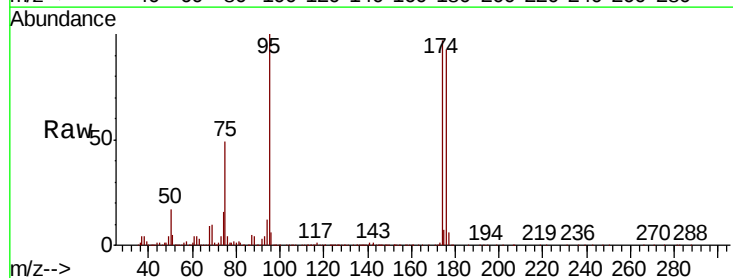
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

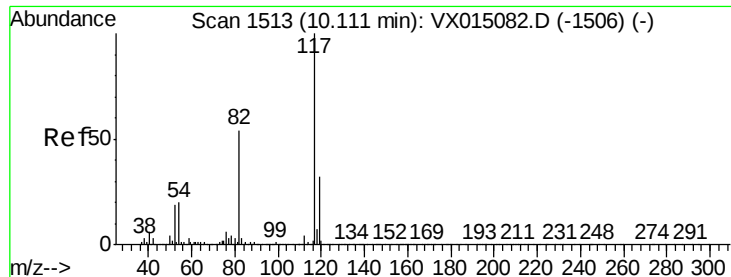
Tot Ion:129 Resp: 40839
Ion Ratio Lower Upper
129 100
127 0.4 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 52.653 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion: 95 Resp: 195379
Ion Ratio Lower Upper
95 100
174 90.0 0.0 177.6
176 88.0 0.0 170.2

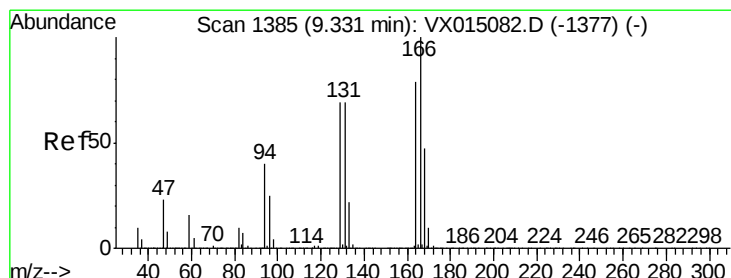
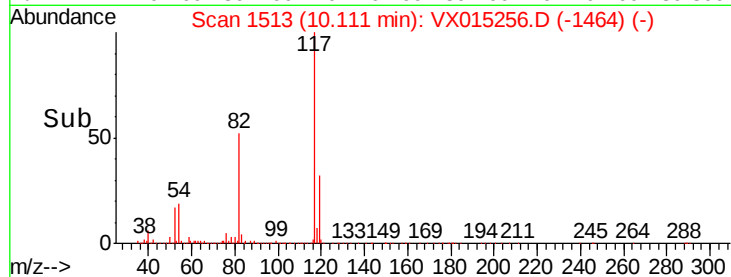
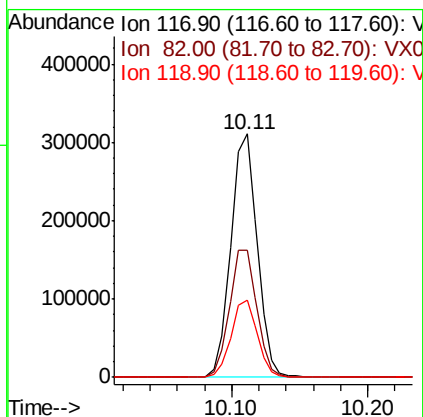
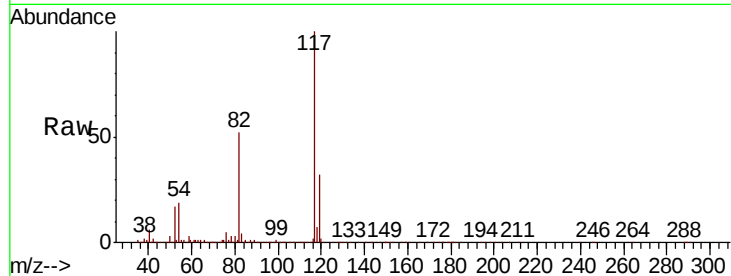




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

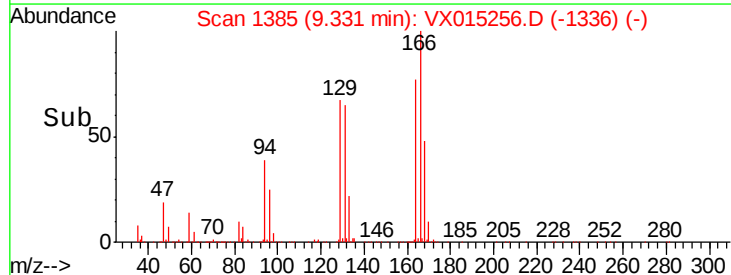
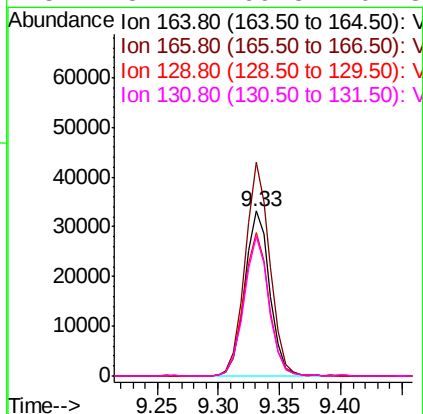
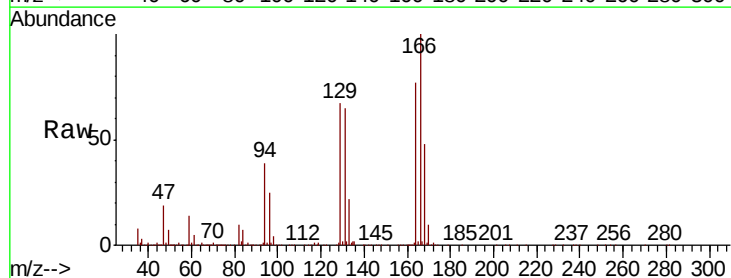
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

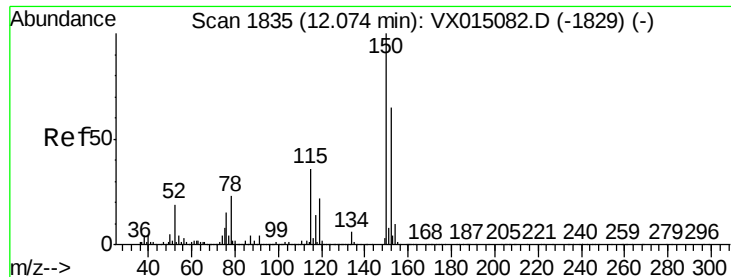
Tot Ion:117 Resp: 419430
Ion Ratio Lower Upper
117 100
82 52.0 43.3 64.9
119 31.5 25.8 38.8



#64
Tetrachloroethene
Concen: 13.562 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion:164 Resp: 47032
Ion Ratio Lower Upper
164 100
166 129.5 101.1 151.7
129 86.6 69.4 104.0
131 84.1 69.8 104.8



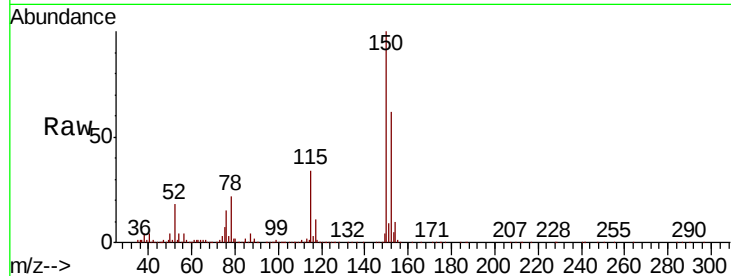


#72

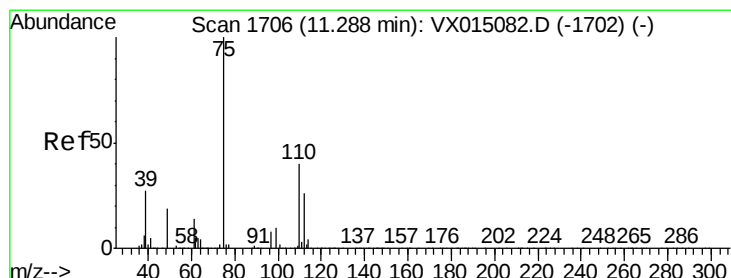
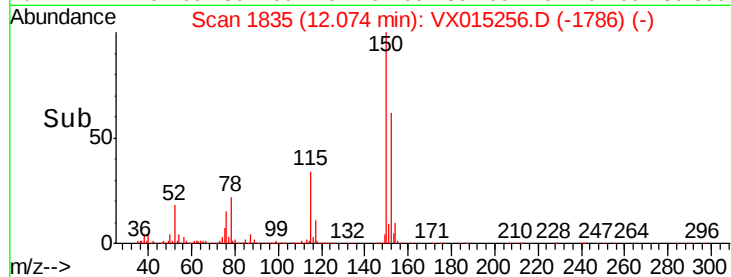
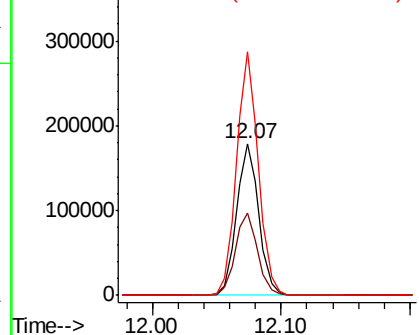
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.2	114.6
150	157.1	0.0	343.8



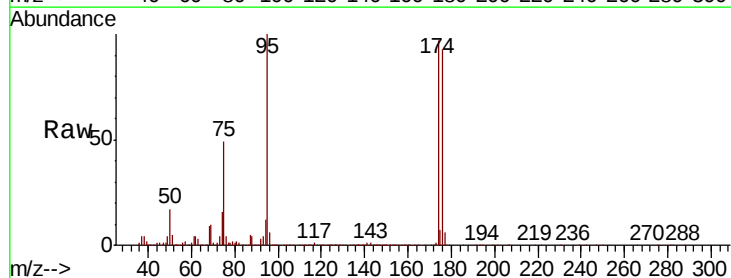
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



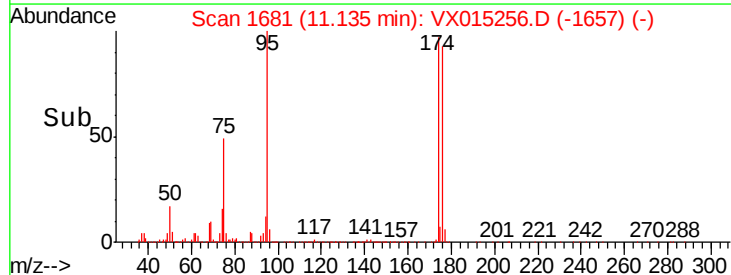
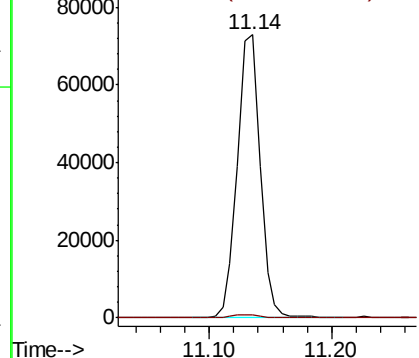
#76

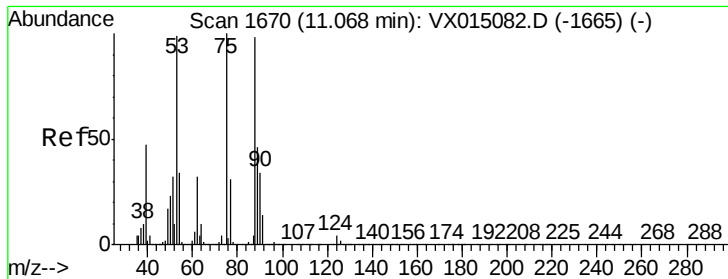
1,2,3-Trichloropropane
Concen: 21.803 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.15 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	22.6	67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

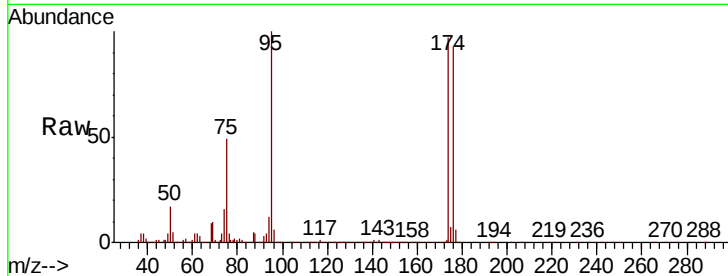




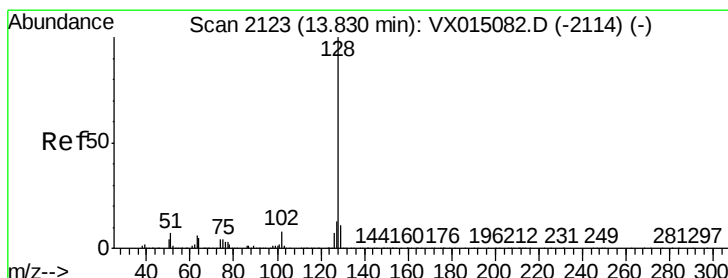
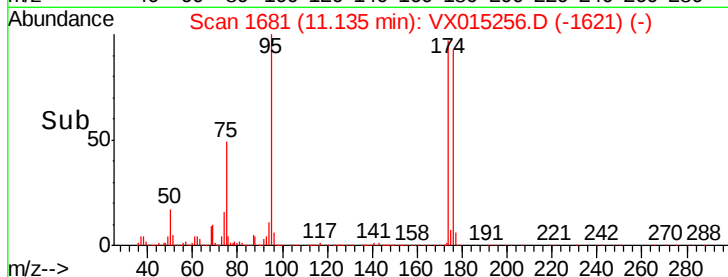
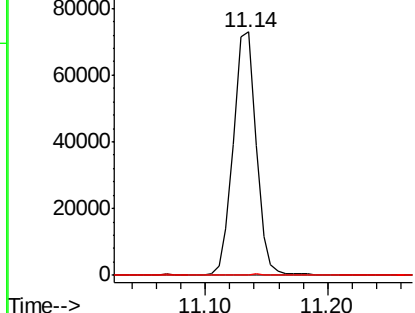
#81
trans-1,4-Dichloro-2-butene
Concen: 61.878 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309

Tot Ion: 75 Resp: 93704
Ion Ratio Lower Upper
75 100
53 0.3 77.9 116.9#
89 0.2 36.2 54.2#

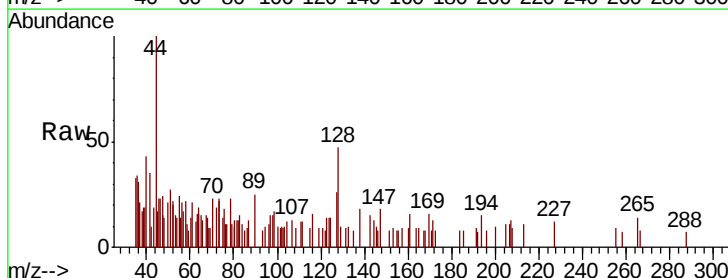


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 1.467 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX015256.D
Acq: 13 Mar 2020 13:50

Tgt Ion: 128 Resp: 689
Ion Ratio Lower Upper
128 100
127 21.6 10.3 15.5#
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

