

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042320\
 Data File : VX015885.D
 Acq On : 23 Apr 2020 13:15
 Operator : JC/SP
 Sample : L2379-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW162-200420DL

Quant Time: Apr 24 03:28:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	862655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1328743	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1331760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	736047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	493375	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.47	113	391999	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	8.70	98	1628860	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	11.12	95	678234	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

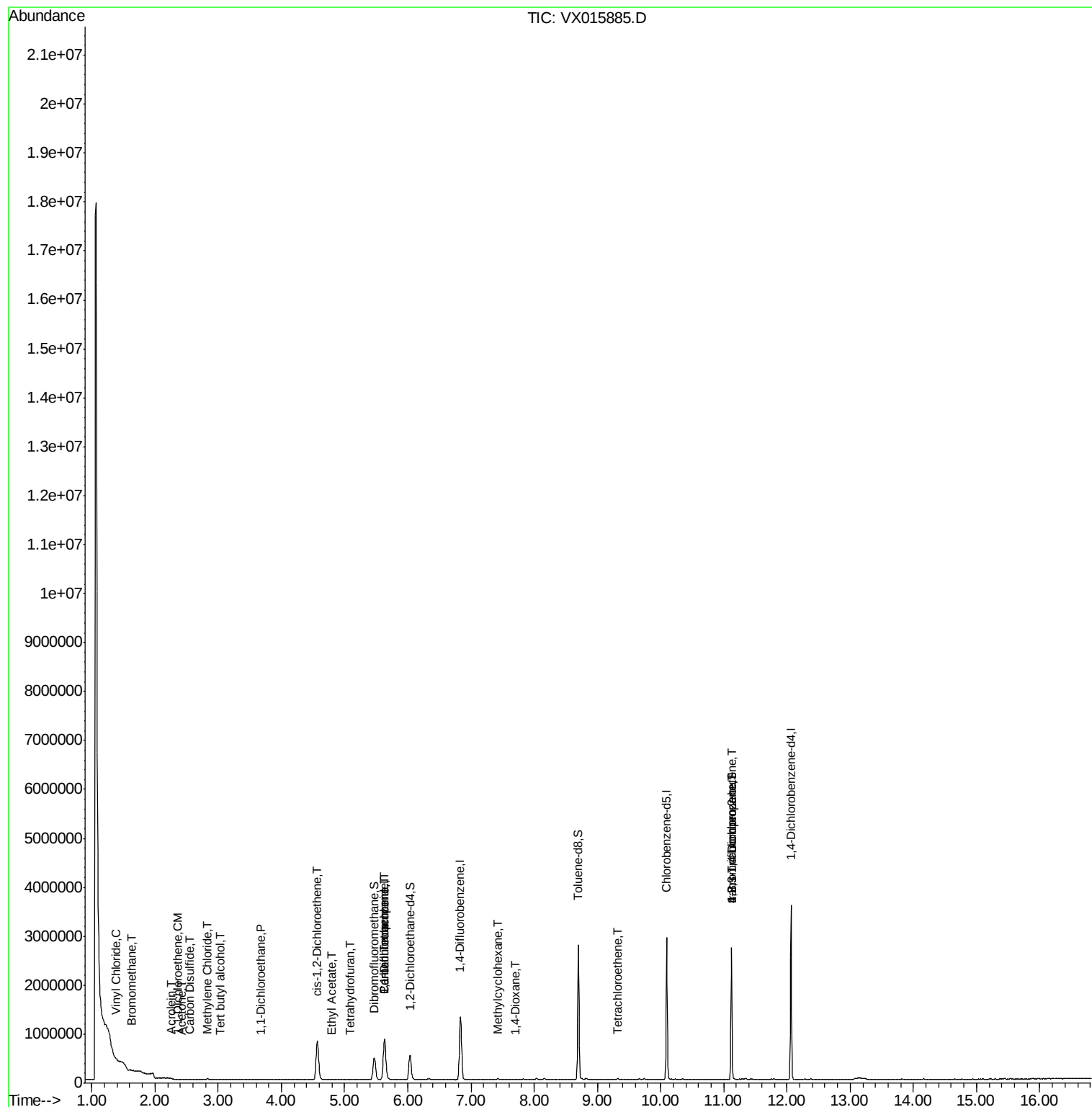
						Qvalue
4) Vinyl Chloride	1.39	62	9556	1.092	ug/l	96
5) Bromomethane	1.64	94	857	0.292	ug/l #	1
11) Tert butyl alcohol	3.03	59	803	0.401	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	2718	0.360	ug/l #	40
13) Acrolein	2.26	56	1630	1.374	ug/l #	15
16) Acetone	2.42	43	3885	0.909	ug/l #	74
17) Carbon Disulfide	2.55	76	13164	0.480	ug/l #	92
20) Methylene Chloride	2.83	84	4864	0.561	ug/l #	80
24) 1,1-Dichloroethane	3.67	63	3078	0.204	ug/l #	75
27) cis-1,2-Dichloroethene	4.57	96	523926	55.049	ug/l	89
29) Tetrahydrofuran	5.09	42	1592	0.356	ug/l #	69
36) 1,1-Dichloropropene	5.64	75	60536	5.139	ug/l #	52
37) Ethyl Acetate	4.80	43	8646	0.617	ug/l #	76
38) Carbon Tetrachloride	5.64	117	76312	6.577	ug/l #	15
39) Methylcyclohexane	7.43	83	6901	0.463	ug/l #	63
49) 1,4-Dioxane	7.70	88	275	1.251	ug/l #	1
64) Tetrachloroethene	9.32	164	4711	0.262	ug/l #	84
76) 1,2,3-Trichloropropane	11.12	75	331578	23.690	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	331578	56.987	ug/l #	12

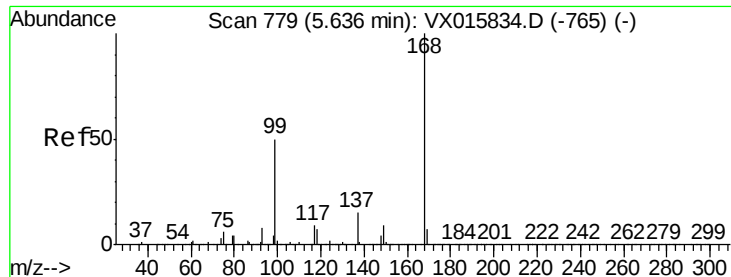
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

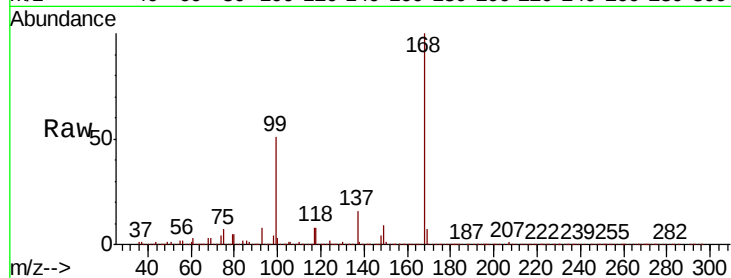
SS037MW162-200420DL

Tot Ion:168 Resp: 862655

Ion Ratio Lower Upper

168 100

99 51.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

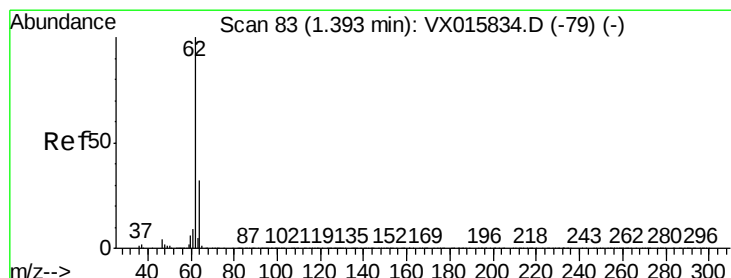
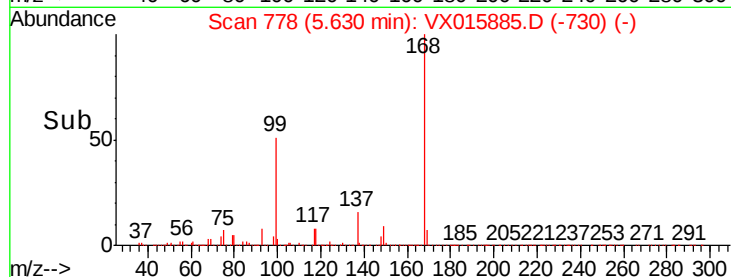
300000

200000

100000

0

Time--> 5.40 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.092 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015885.D

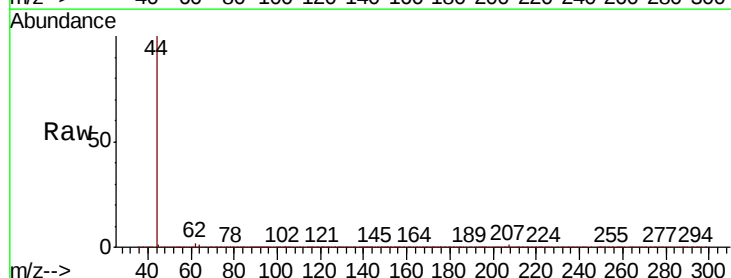
Acq: 23 Apr 2020 13:15

Tgt Ion: 62 Resp: 9556

Ion Ratio Lower Upper

62 100

64 34.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

10000

8000

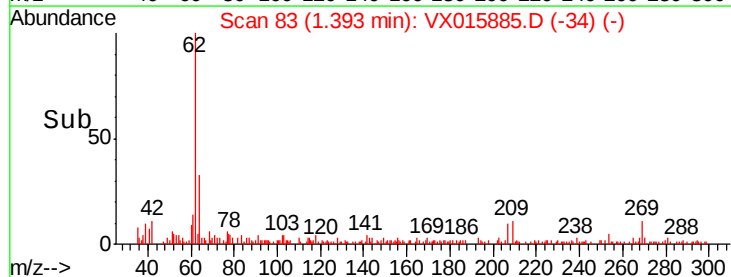
6000

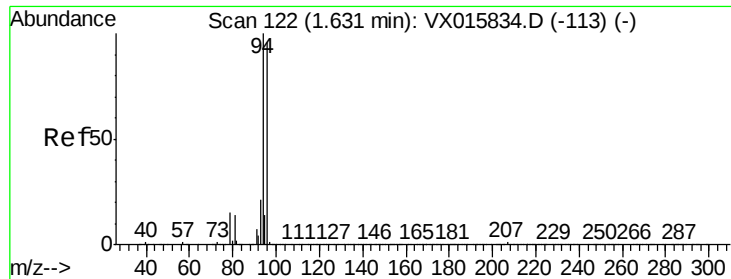
4000

2000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

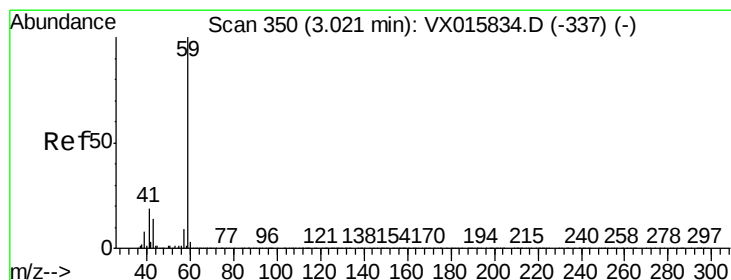
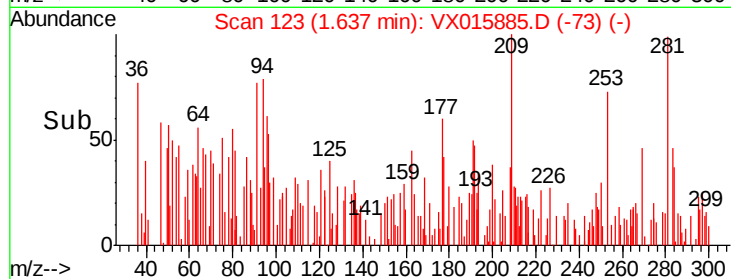
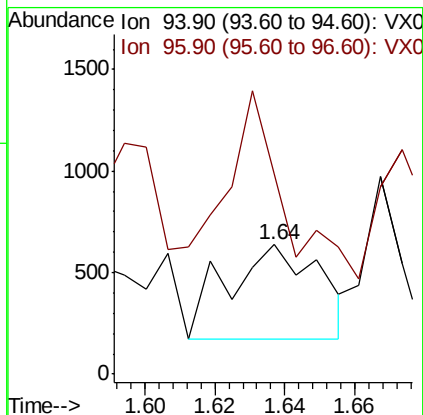
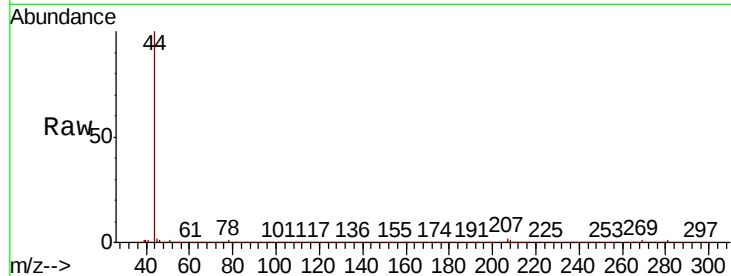
SS037MW162-200420DL

Tot Ion: 94 Resp: 857

Ion Ratio Lower Upper

94 100

96 326.3 76.7 115.1#



#11

Tert butyl alcohol

Concen: 0.401 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX015885.D

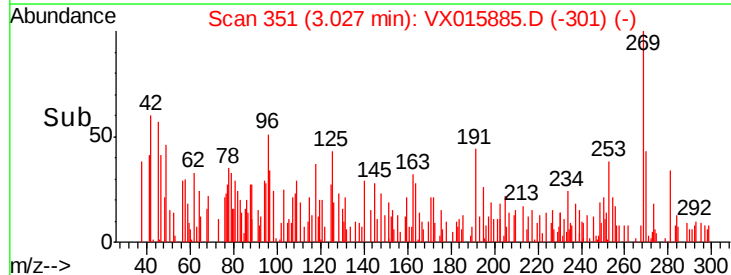
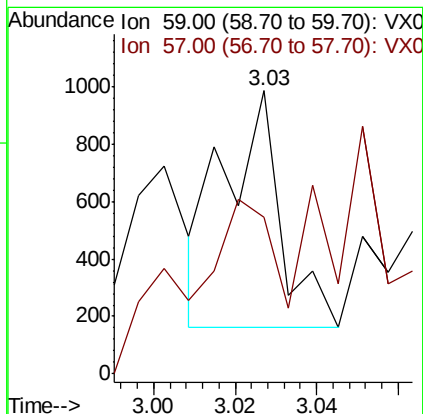
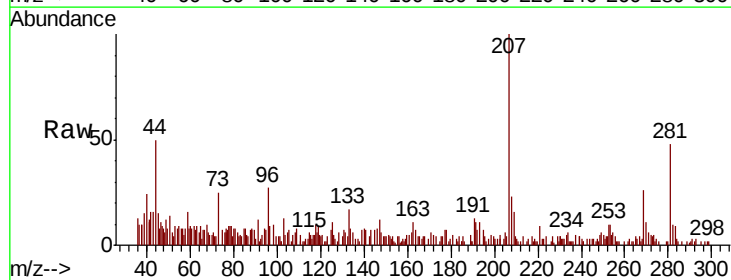
Acq: 23 Apr 2020 13:15

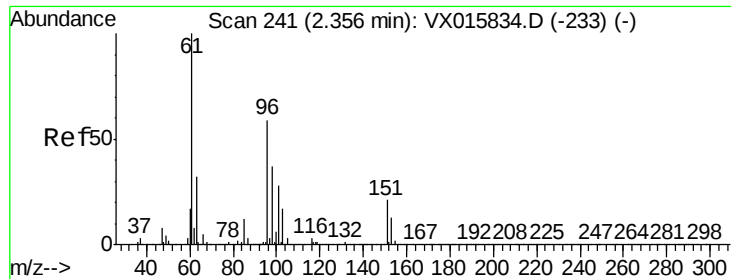
Tgt Ion: 59 Resp: 803

Ion Ratio Lower Upper

59 100

57 119.2 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.360 ug/l

RT: 2.36 min Scan# 241

Delta R.T. 0.00 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-200420DL

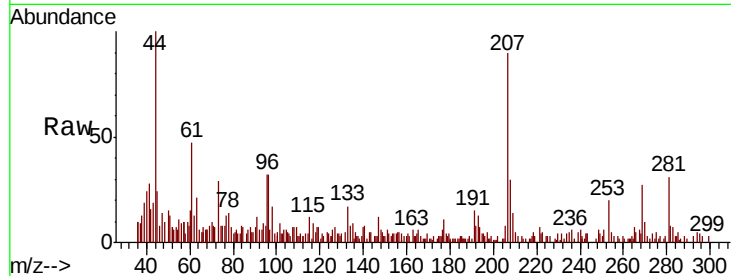
Tot Ion: 96 Resp: 2718

Ion Ratio Lower Upper

96 100

61 80.1 135.0 202.6#

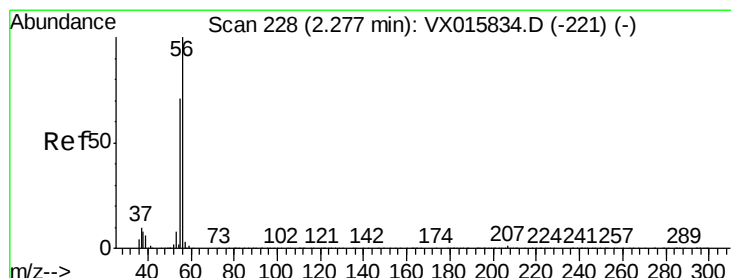
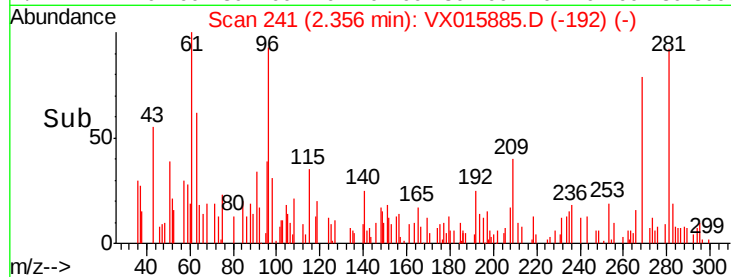
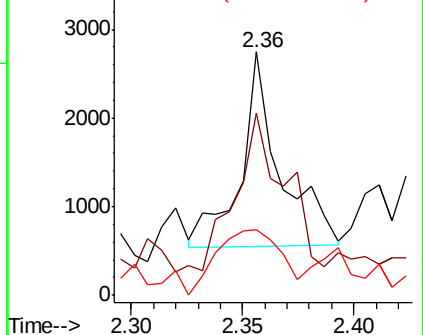
98 27.5 50.6 76.0#



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



#13

Acrolein

Concen: 1.374 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.01 min

Lab File: VX015885.D

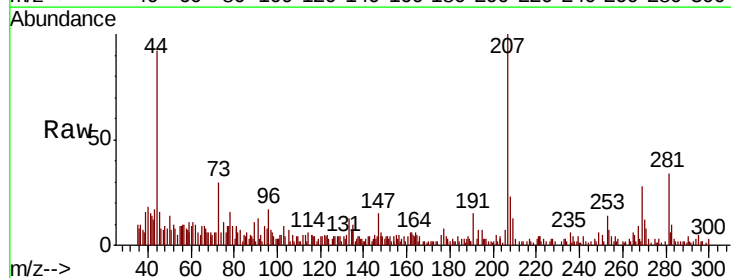
Acq: 23 Apr 2020 13:15

Tgt Ion: 56 Resp: 1630

Ion Ratio Lower Upper

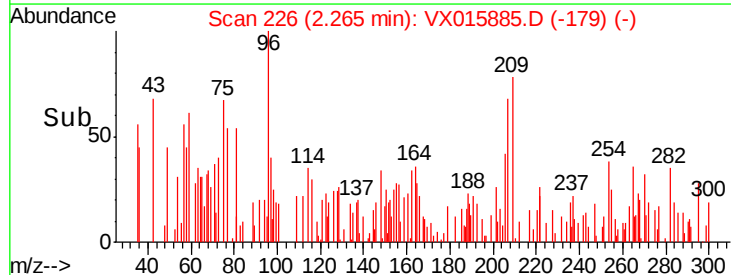
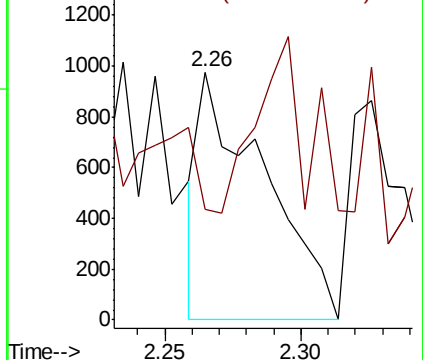
56 100

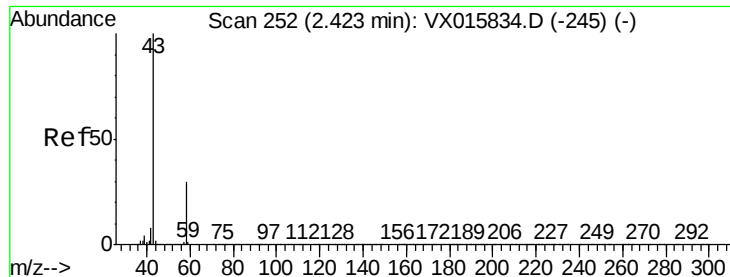
55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

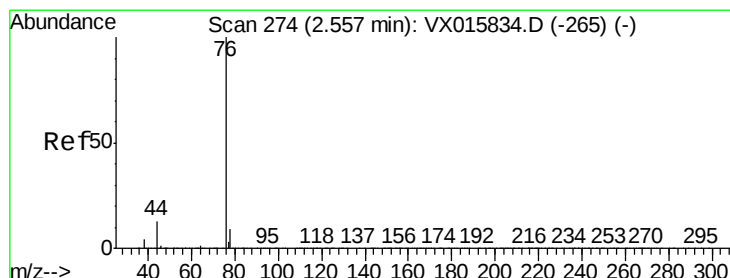
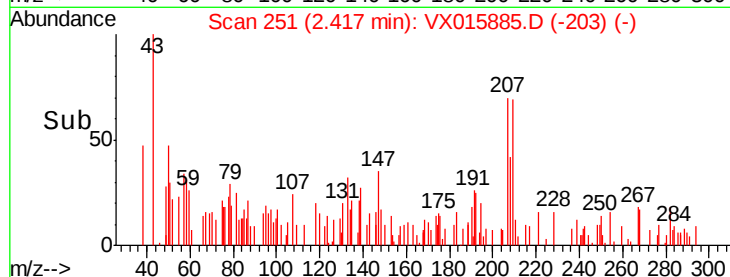
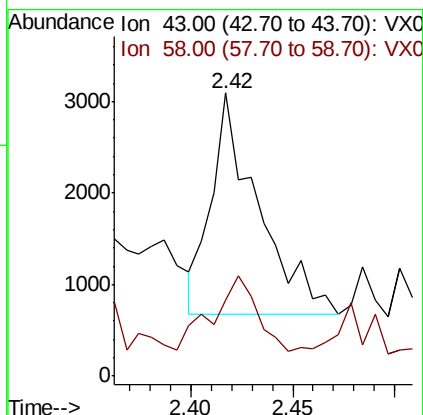
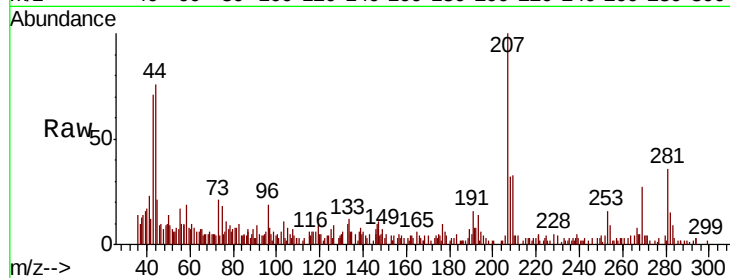




#16
Acetone
Concen: 0.909 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

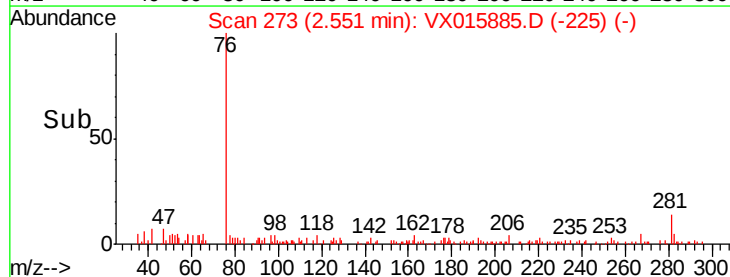
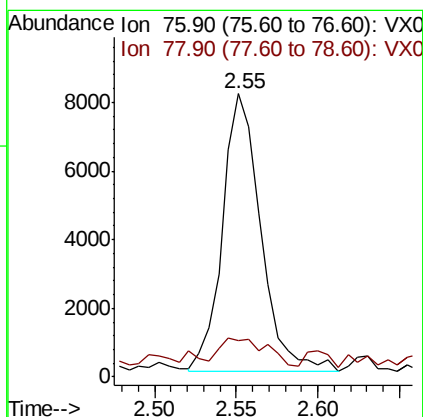
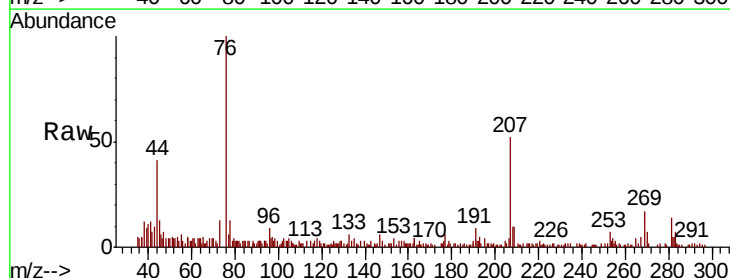
Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-200420DL

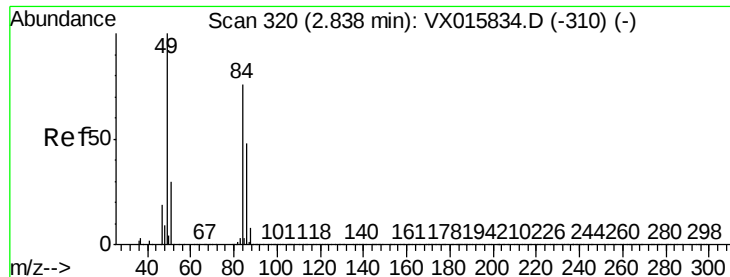
Tot Ion: 43 Resp: 3885
Ion Ratio Lower Upper
43 100
58 15.8 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.480 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

Tgt Ion: 76 Resp: 13164
Ion Ratio Lower Upper
76 100
78 6.2 7.4 11.2#

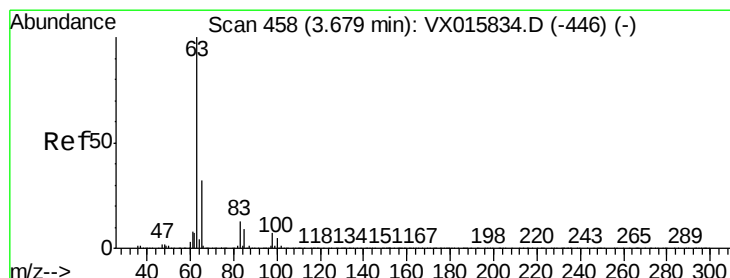
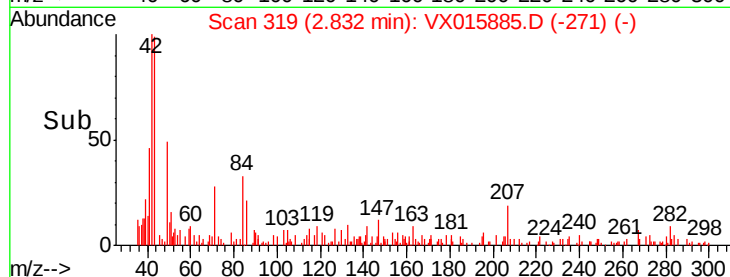
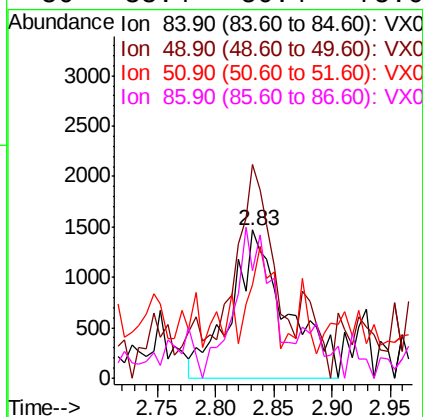
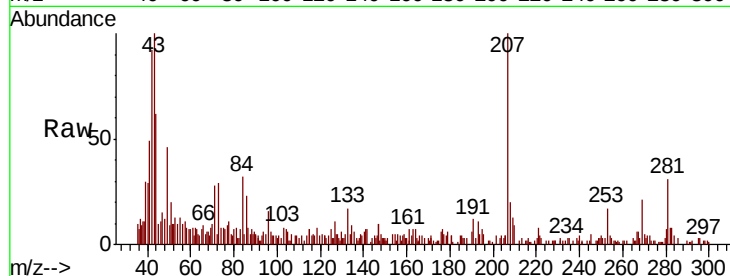




#20
Methvlene Chloride
Concen: 0.561 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.01 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

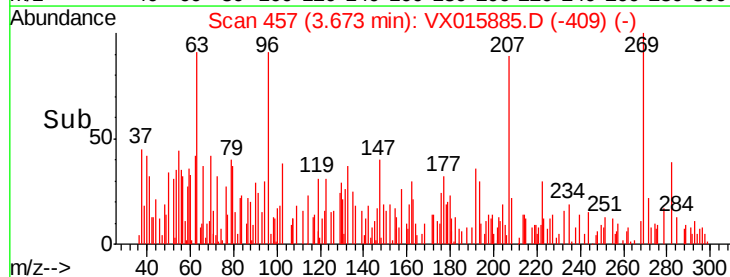
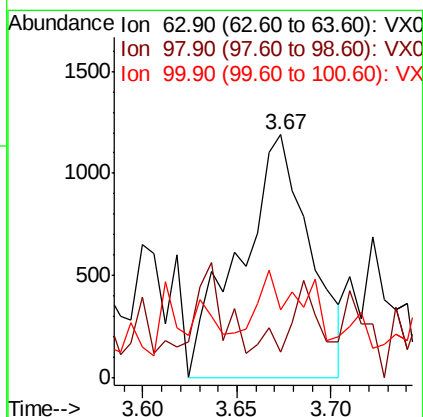
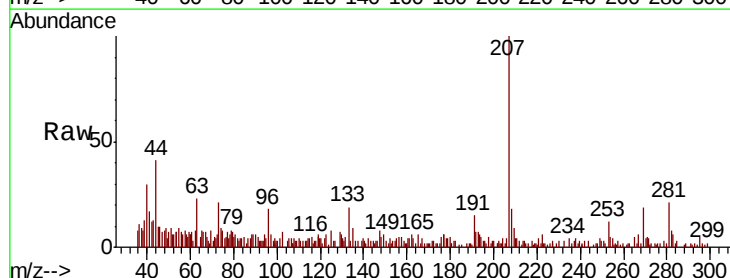
Instrument :
MSVOA_X
ClientSampleId :
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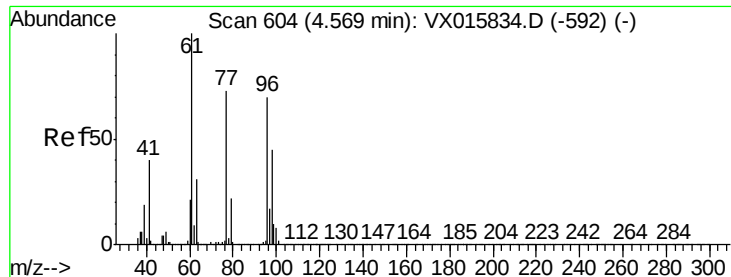
Tot Ion	Ratio	Lower	Upper
84	100		
49	113.5	104.9	157.3
51	30.6	32.0	48.0#
86	38.4	50.4	75.6#



#24
1,1-Dichloroethane
Concen: 0.204 ug/l
RT: 3.67 min Scan# 457
Delta R.T. -0.01 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

Tgt Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.4#
100	14.9	2.3	6.8#



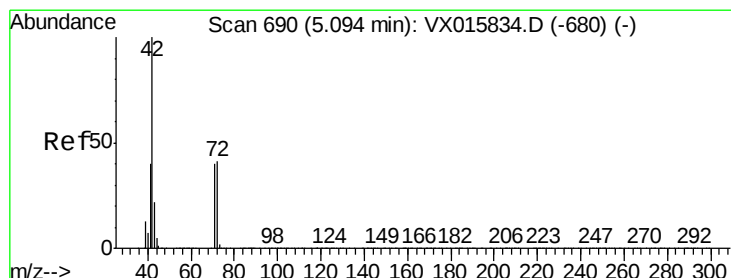
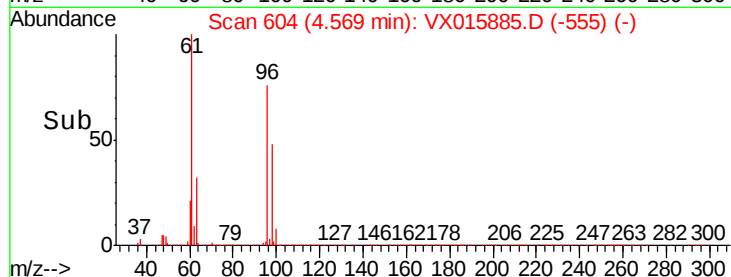
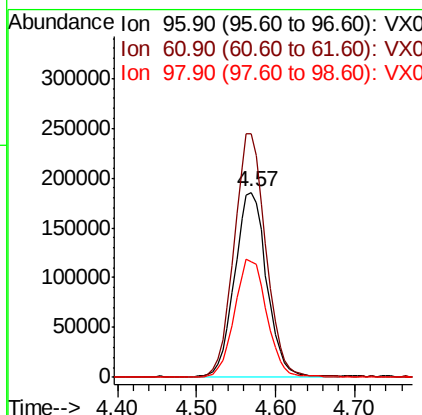
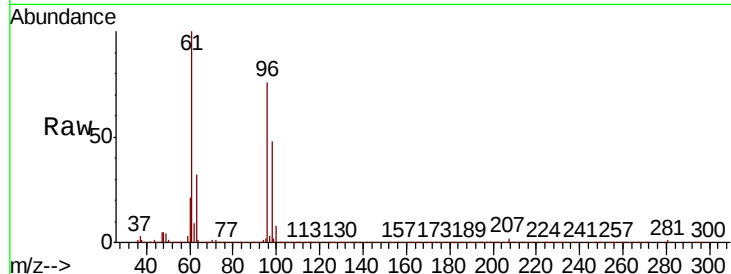


#27

cis-1,2-Dichloroethene
 Concen: 55.049 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX015885.D
 Acq: 23 Apr 2020 13:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW162-200420DL

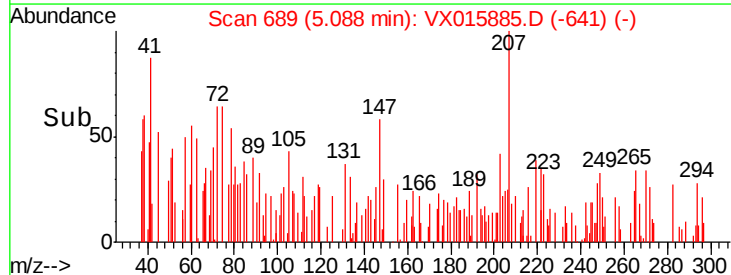
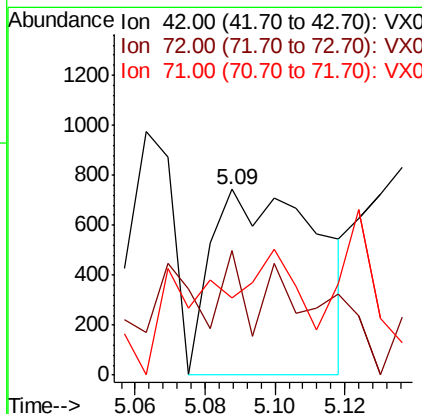
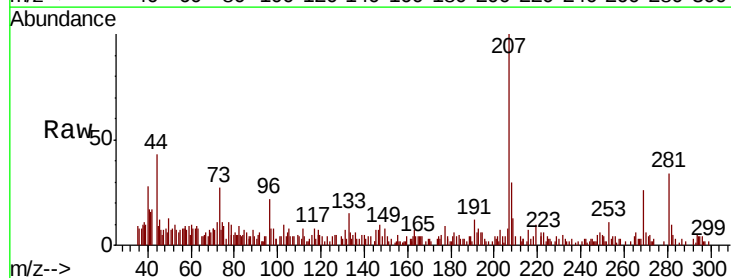
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	299.4
98	64.1	0.0	129.6

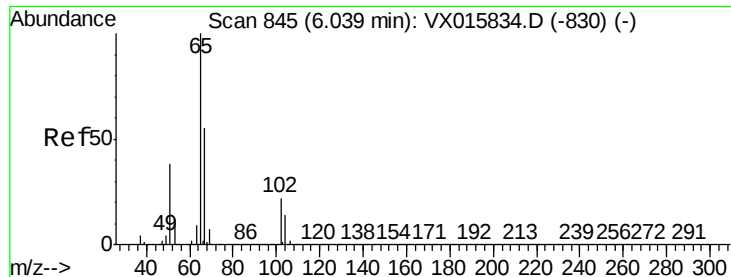


#29

Tetrahydrofuran
 Concen: 0.356 ug/l
 RT: 5.09 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VX015885.D
 Acq: 23 Apr 2020 13:15

Tgt Ion	Ratio	Lower	Upper
42	100		
72	7.9	33.0	49.6#
71	33.9	30.6	45.8





#33

1,2-Dichloroethane-d4

Concen: 50.286 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

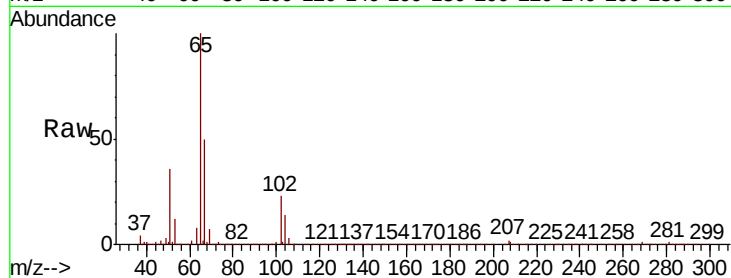
SS037MW162-200420DL

Tot Ion: 65 Resp: 493375

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

200000

150000

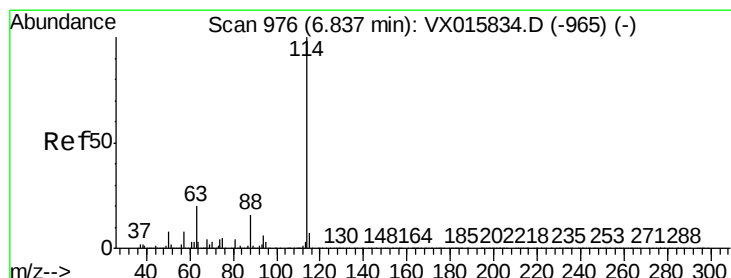
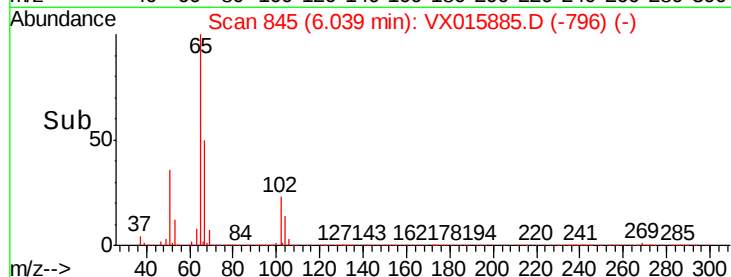
100000

50000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

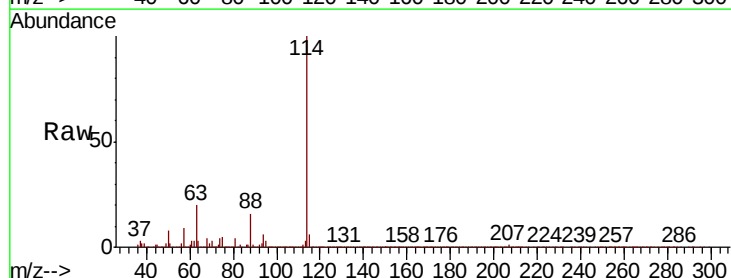
Tgt Ion: 114 Resp: 1328743

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

88 16.0 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.84

600000

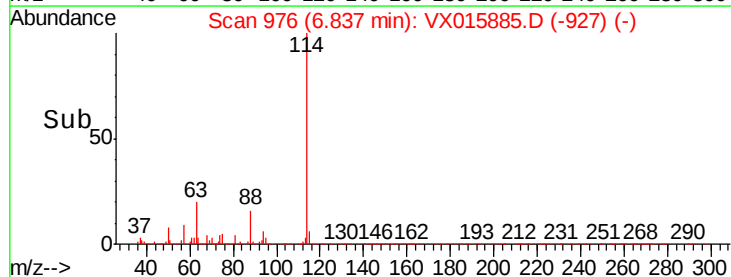
400000

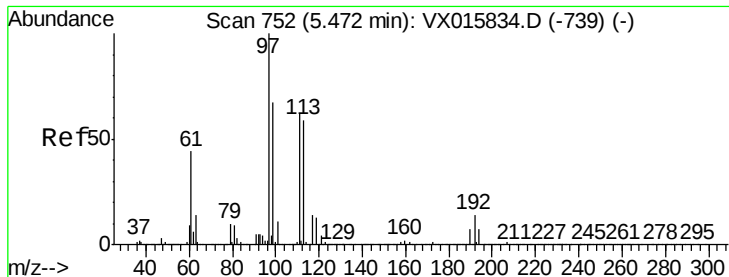
200000

0

6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 51.109 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-200420DL

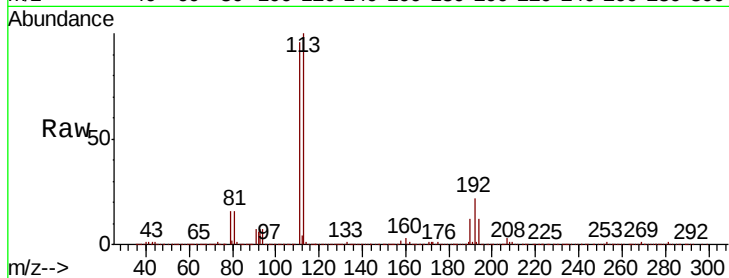
Tot Ion:113 Resp: 391999

Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

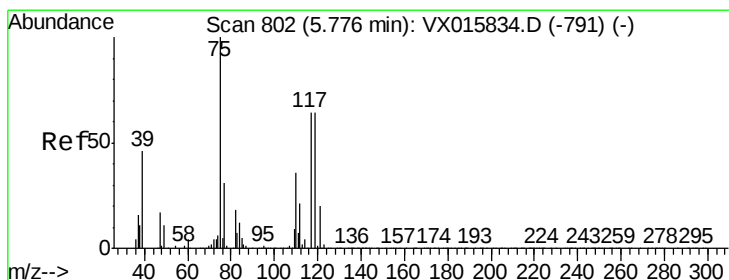
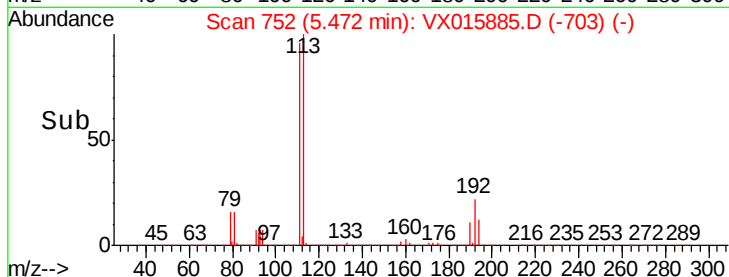
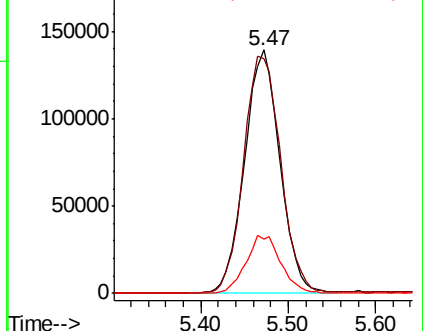
192 23.5 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.139 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.14 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

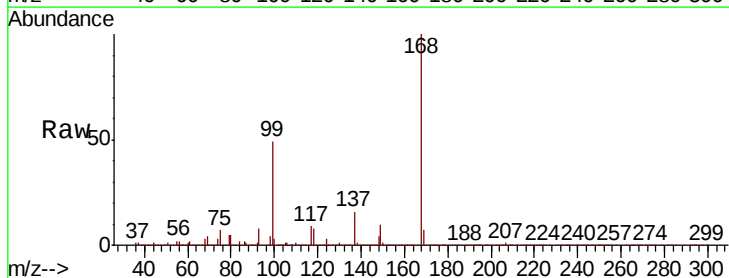
Tgt Ion: 75 Resp: 60536

Ion Ratio Lower Upper

75 100

110 11.2 17.9 53.8#

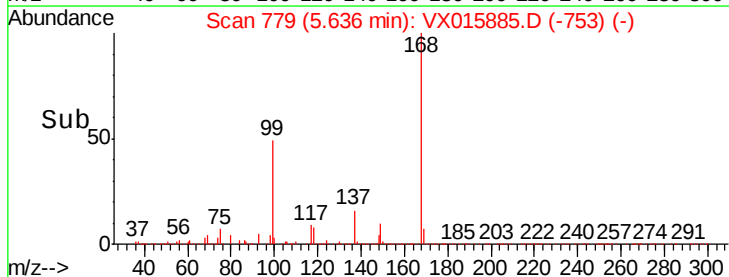
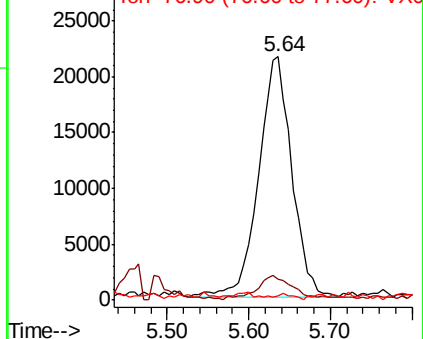
77 1.2 24.5 36.7#

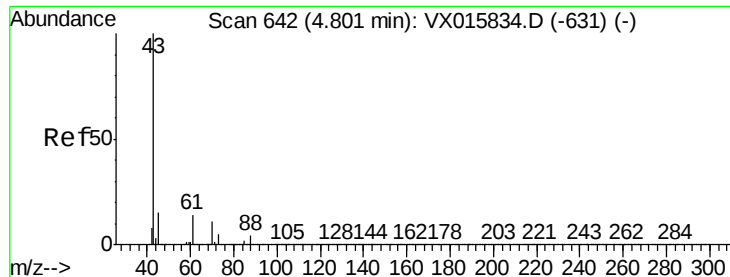


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

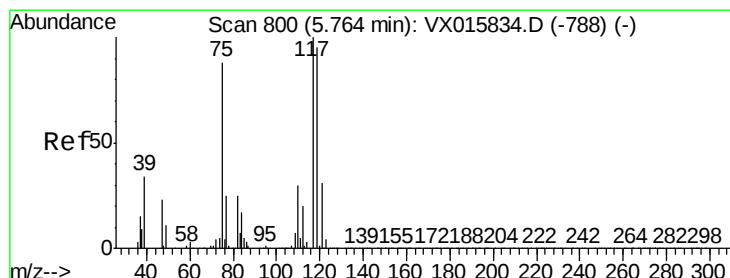
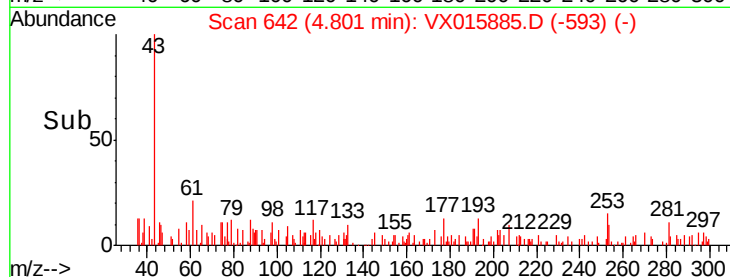
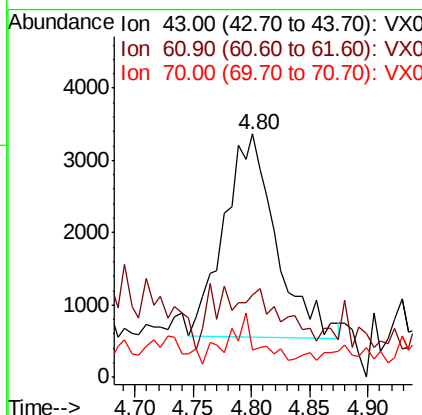
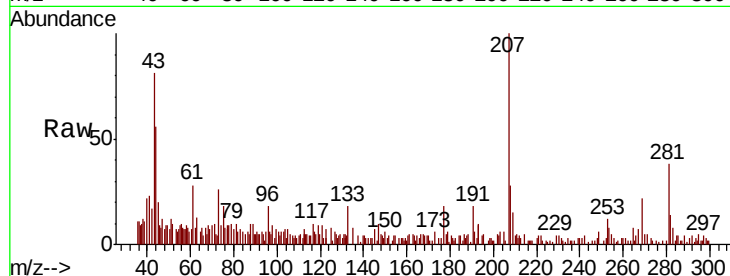




#37
Ethyl Acetate
Concen: 0.617 ug/l
RT: 4.80 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

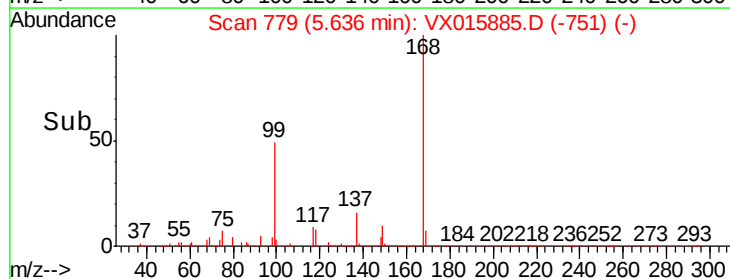
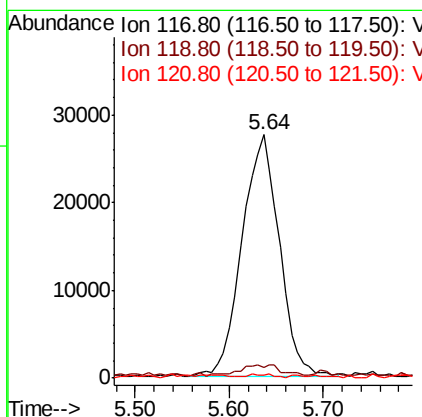
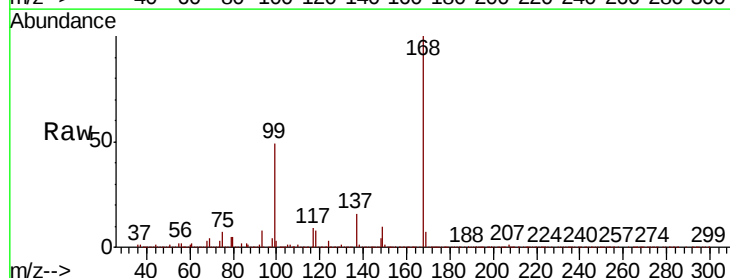
Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-200420DL

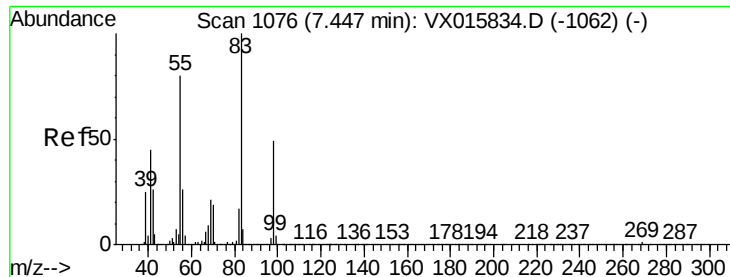
Tot Ion: 43 Resp: 8646
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 14.2 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.577 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

Tgt Ion: 117 Resp: 76312
Ion Ratio Lower Upper
117 100
119 3.4 75.7 113.5#
121 0.4 25.0 37.6#

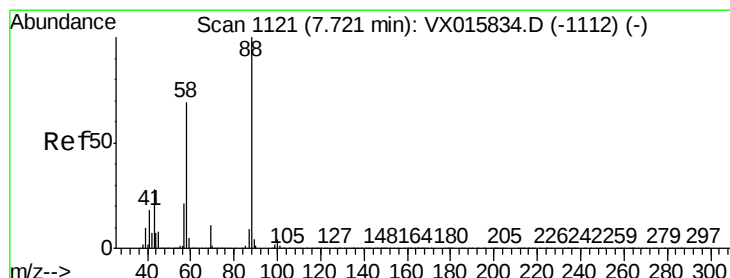
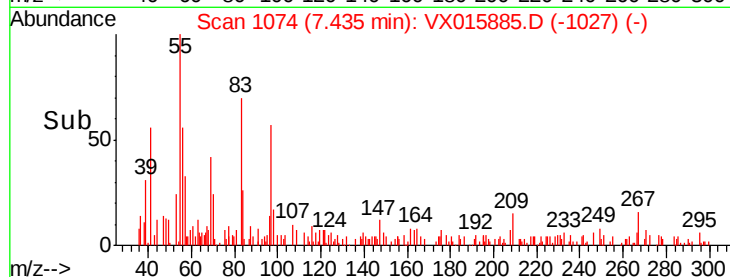
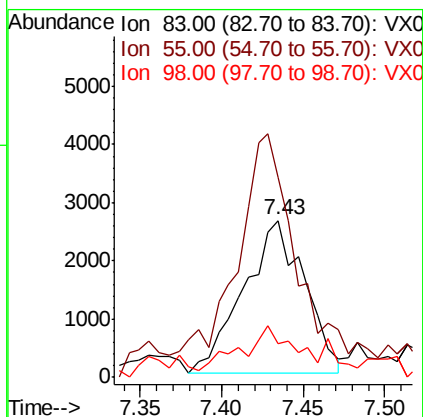
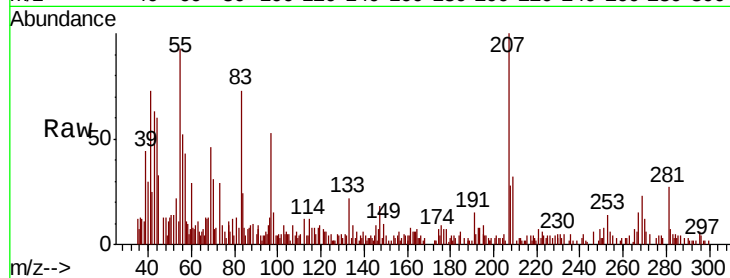




#39
Methvlcvclohexane
Concen: 0.463 ug/l
RT: 7.43 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

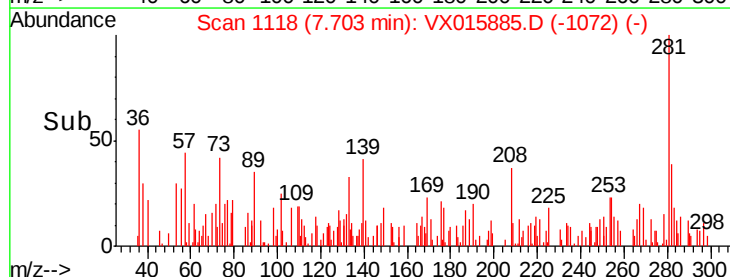
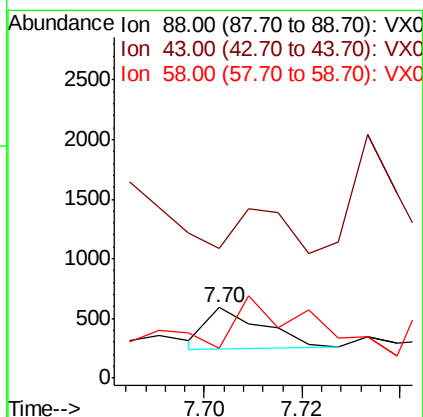
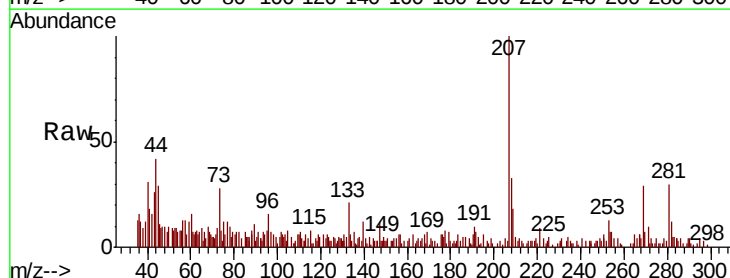
Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-200420DL

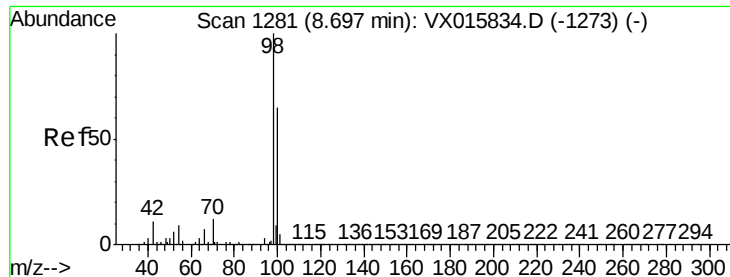
Tot Ion	Ratio	Lower	Upper
83	100		
55	106.4	64.2	96.4#
98	15.0	39.3	58.9#



#49
1,4-Dioxane
Concen: 1.251 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.02 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

Tgt Ion	Ratio	Lower	Upper
88	100		
43	94.9	28.2	42.4#
58	259.6	58.9	88.3#





#50

Toluene-d8

Concen: 52.755 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

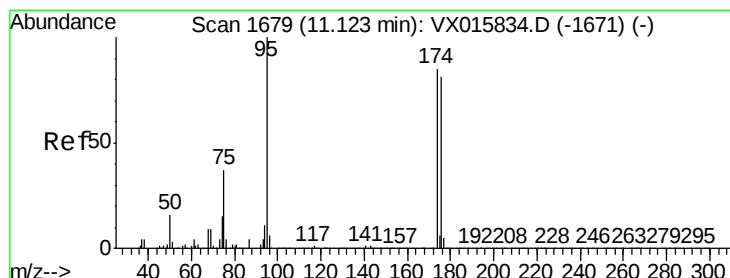
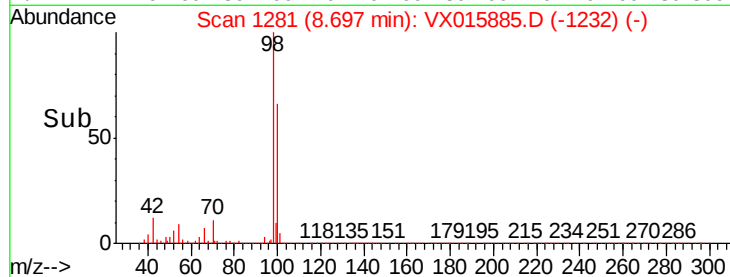
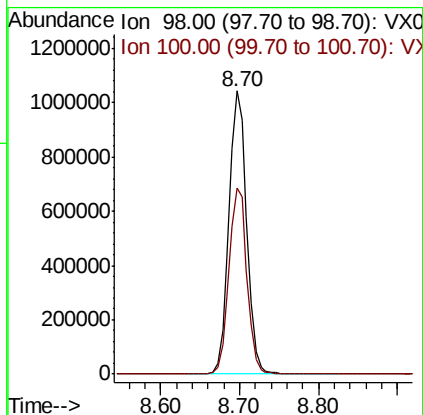
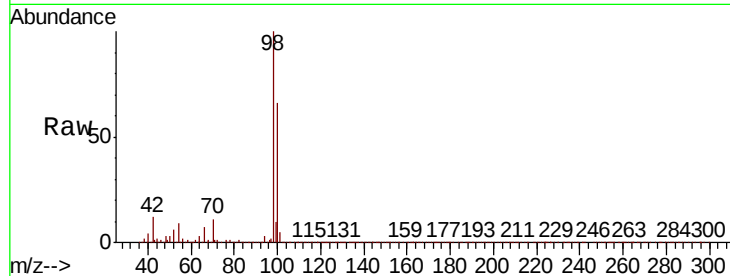
SS037MW162-200420DL

Tot Ion: 98 Resp: 1628860

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 53.547 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

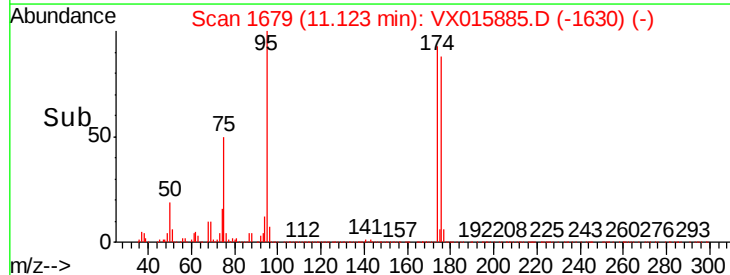
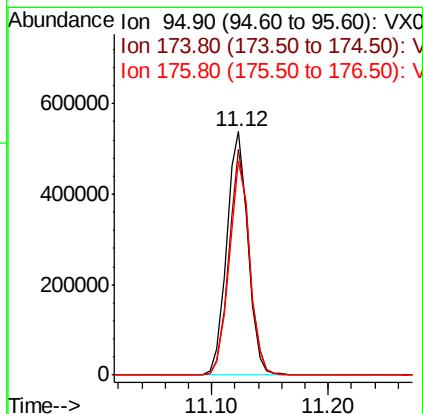
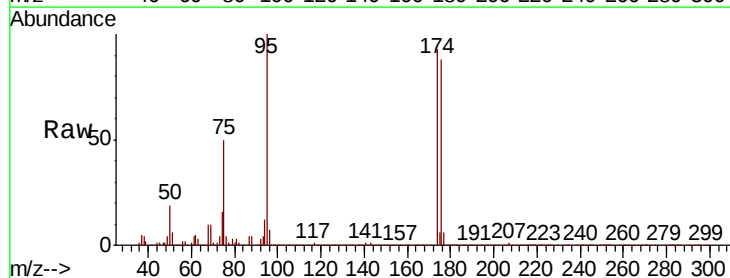
Tgt Ion: 95 Resp: 678234

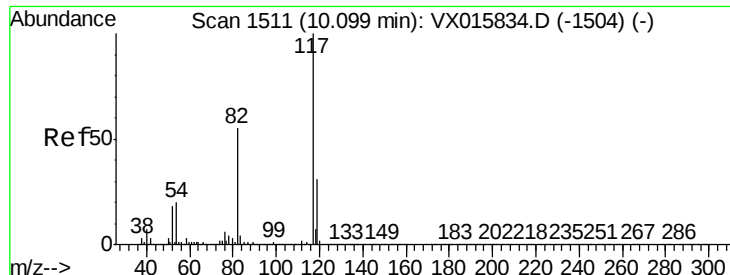
Ion Ratio Lower Upper

95 100

174 88.5 0.0 172.4

176 86.0 0.0 167.0

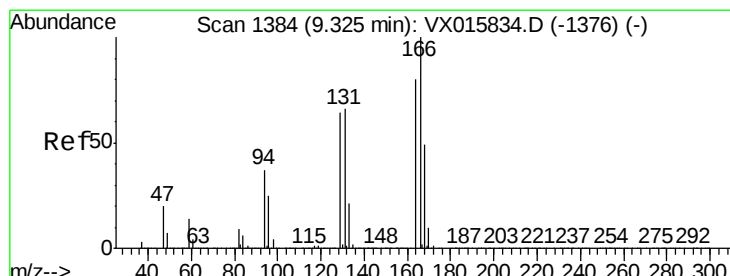
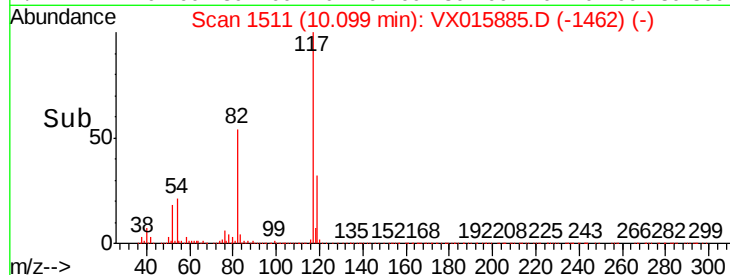
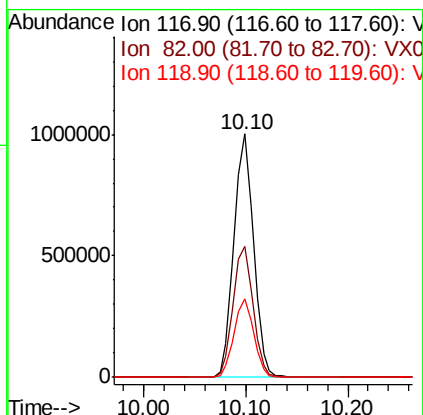
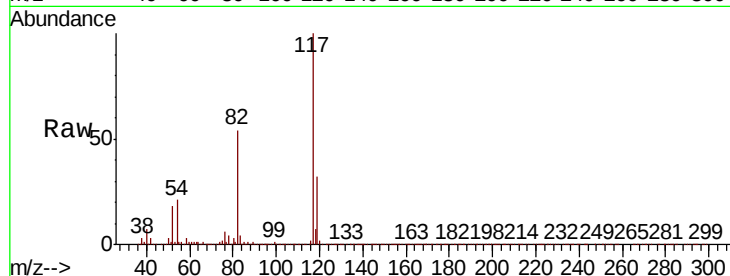




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

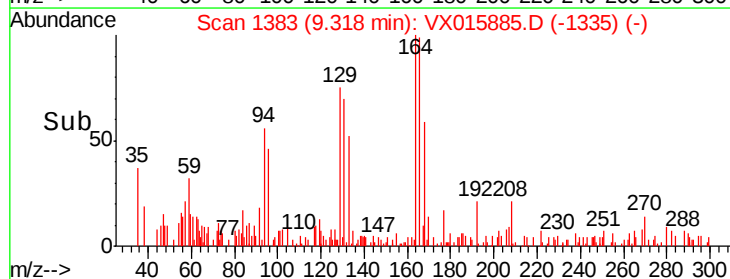
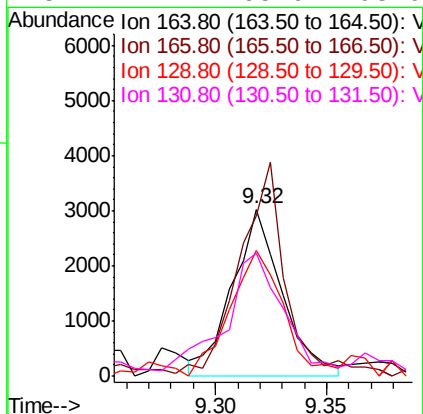
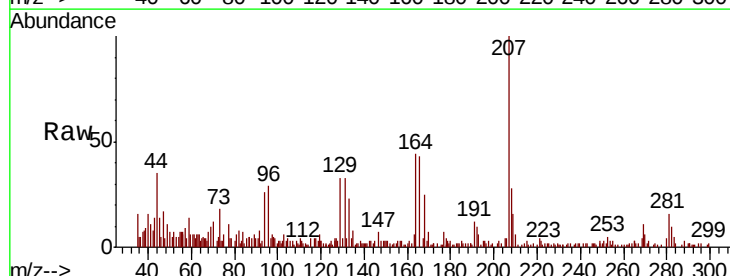
Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-200420DL

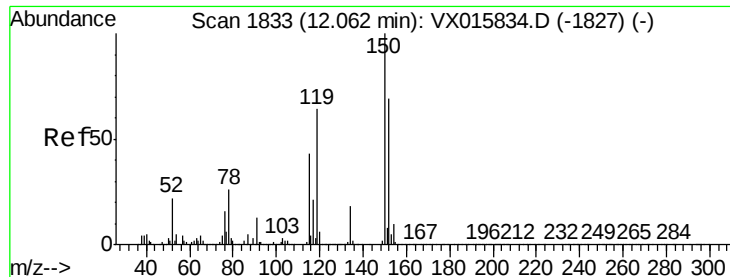
Tot Ion:117 Resp: 1331760
Ion Ratio Lower Upper
117 100
82 53.7 43.9 65.9
119 32.2 25.1 37.7



#64
Tetrachloroethene
Concen: 0.262 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VX015885.D
Acq: 23 Apr 2020 13:15

Tgt Ion:164 Resp: 4711
Ion Ratio Lower Upper
164 100
166 94.8 100.2 150.2#
129 75.5 64.5 96.7
131 72.4 65.9 98.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-200420DL

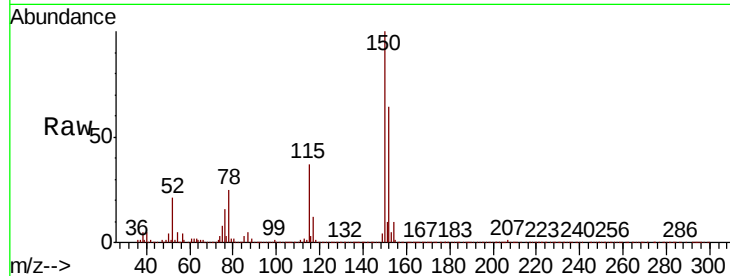
Tot Ion:152 Resp: 736047

Ion Ratio Lower Upper

152 100

115 56.4 39.0 116.9

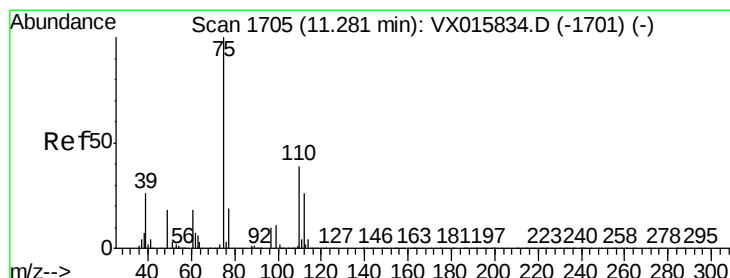
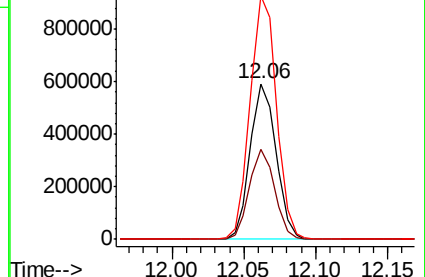
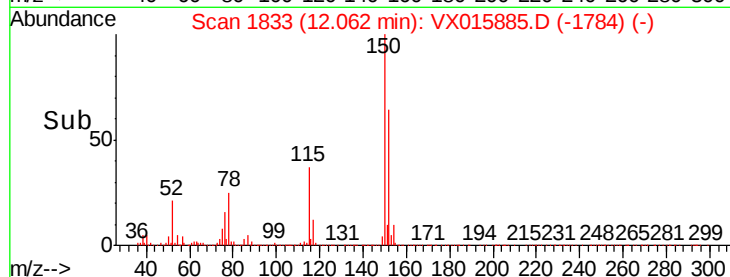
150 158.0 0.0 336.8



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: 23.690 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015885.D

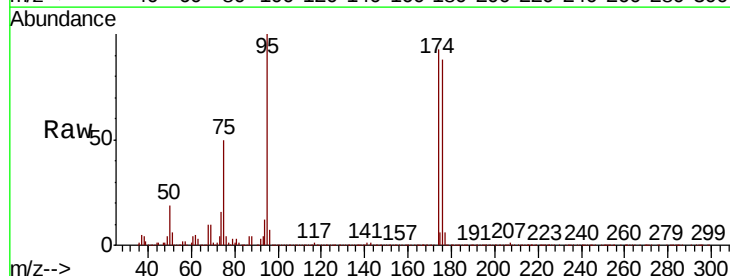
Acq: 23 Apr 2020 13:15

Tgt Ion: 75 Resp: 331578

Ion Ratio Lower Upper

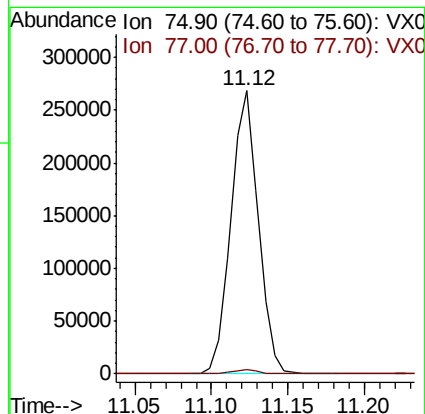
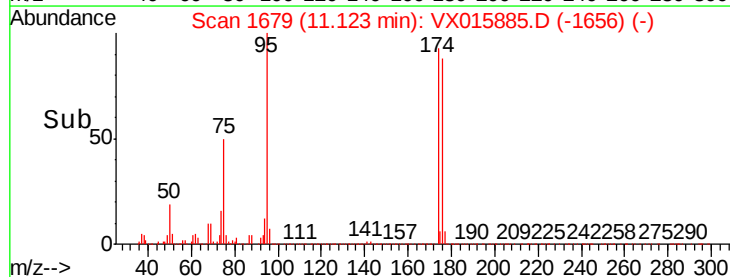
75 100

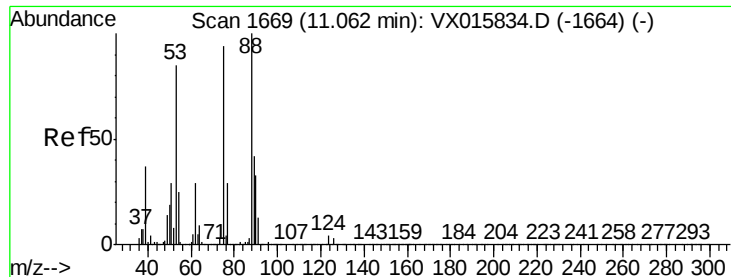
77 1.3 21.3 63.9#



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: 56.987 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015885.D

Acq: 23 Apr 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-200420DL

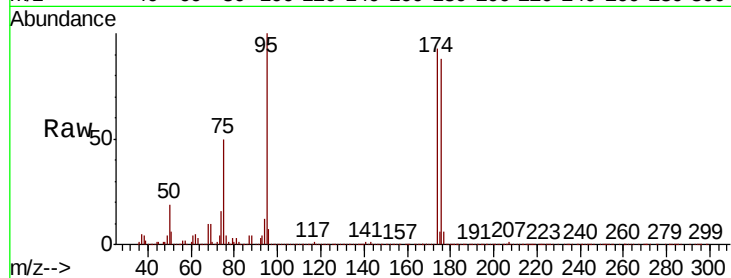
Tot Ion: 75 Resp: 331578

Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.2#

89 0.0 38.0 57.0#



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

