

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
 Data File : VL036160.D
 Acq On : 11 Dec 2020 11:58
 Operator : SY/AP
 Sample : L4948-16DL2 100X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS-4BDL

Quant Time: Dec 11 13:44:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1271585	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2619126	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.08	117	2315871	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2021298	10.99	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.90%

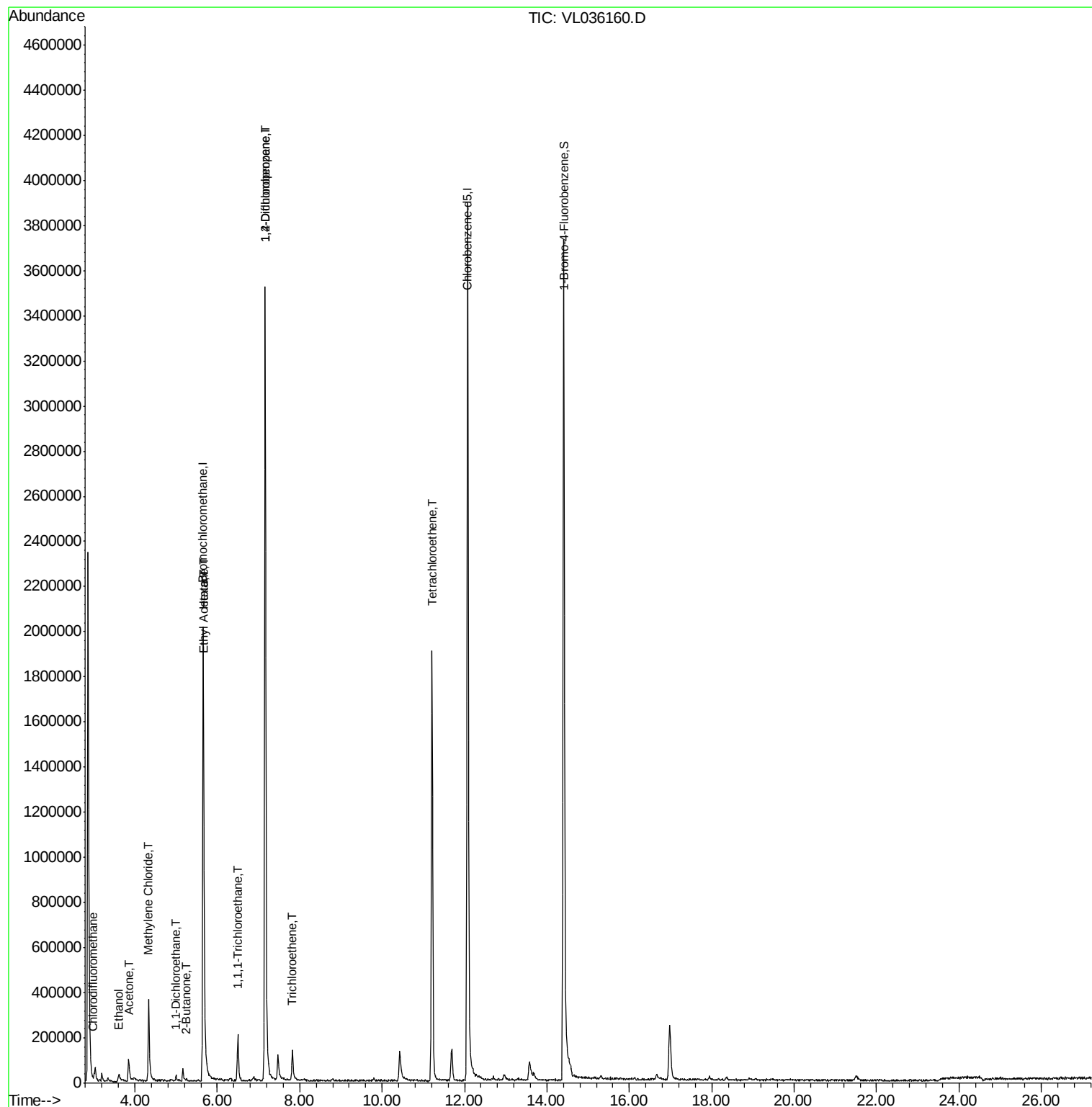
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	6394	0.044	ppbv	99
13) Ethanol	3.60	45	17090	1.706	ppbv #	29
15) Acetone	3.85	43	107294	0.702	ppbv #	73
20) Methylene Chloride	4.34	84	136558	2.181	ppbv	96
24) 1,1-Dichloroethane	5.00	63	14676	0.103	ppbv #	88
25) Ethyl Acetate	5.67	43	76390	0.250	ppbv #	77
26) Hexane	5.67	57	43786	0.319	ppbv #	1
32) 1,1,1-Trichloroethane	6.50	97	66701	0.358	ppbv #	16
34) 2-Butanone	5.25	43	6103	0.035	ppbv #	2
38) Trichloroethene	7.82	130	18162	0.219	ppbv	89
39) 1,2-Dichloropropane	7.16	63	822733	9.386	ppbv #	24
52) Tetrachloroethene	11.21	164	222336	2.767	ppbv	93

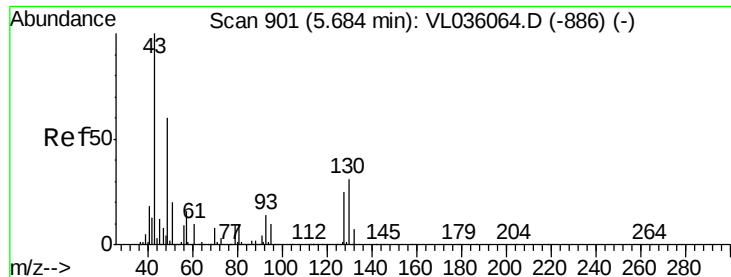
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SS-4BDL

Quant Time: Dec 11 13:44:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

SS-4BDL

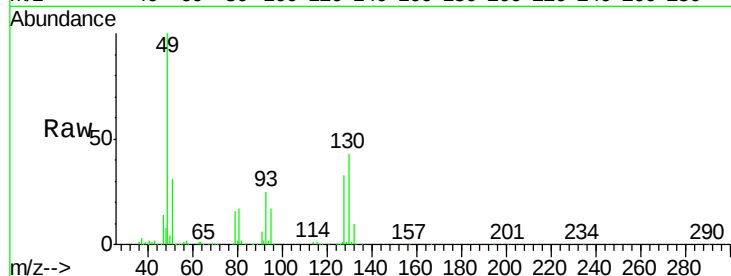
Tgt Ion: 49 Resp: 1271585

Ion Ratio Lower Upper

49 100

128 35.7 21.1 63.1

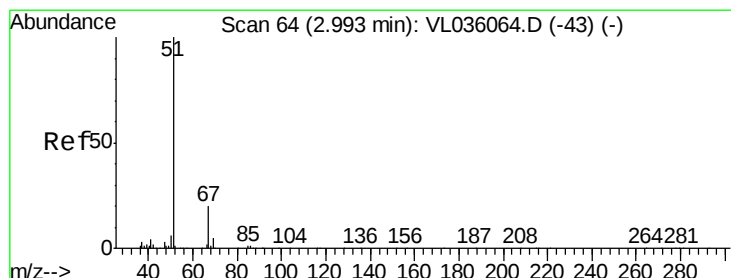
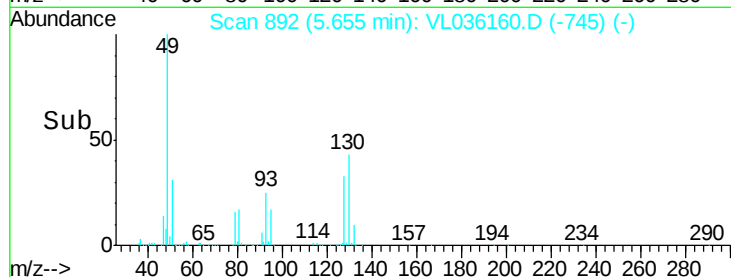
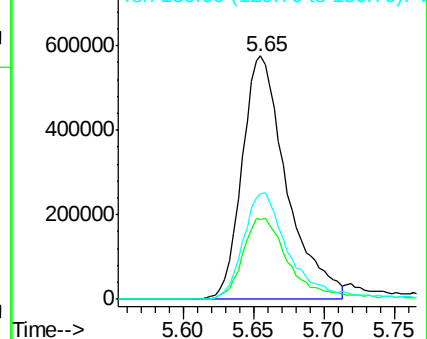
130 46.5 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.044 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL036160.D

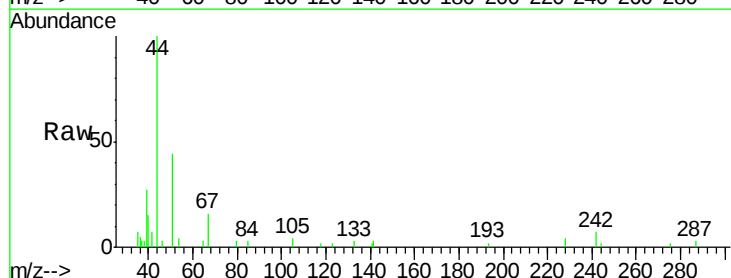
Acq: 11 Dec 2020 11:58

Tgt Ion: 51 Resp: 6394

Ion Ratio Lower Upper

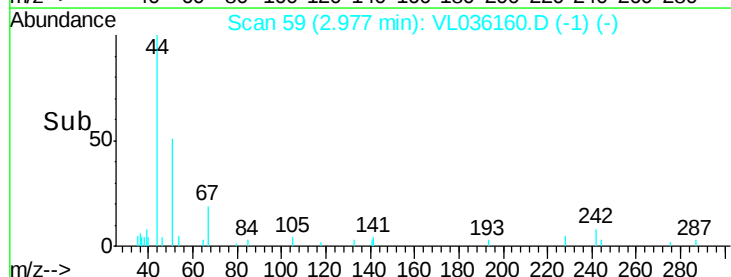
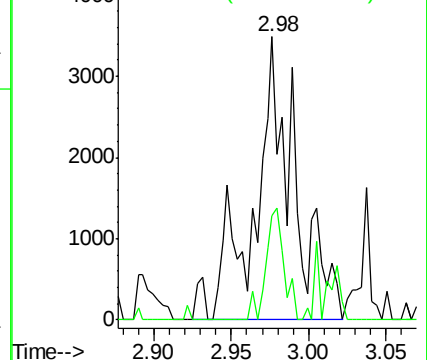
51 100

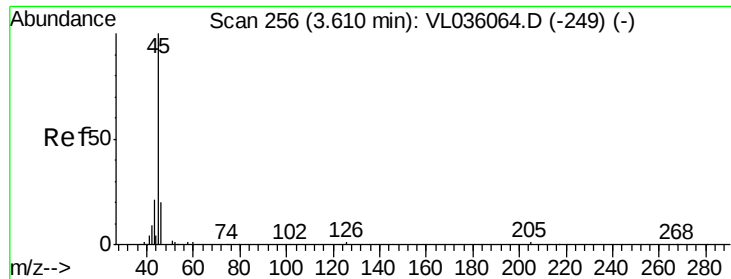
67 18.3 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 1.706 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

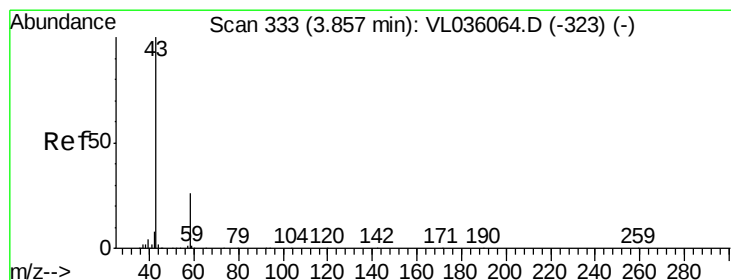
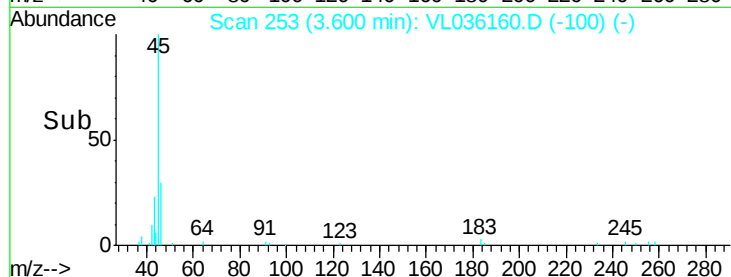
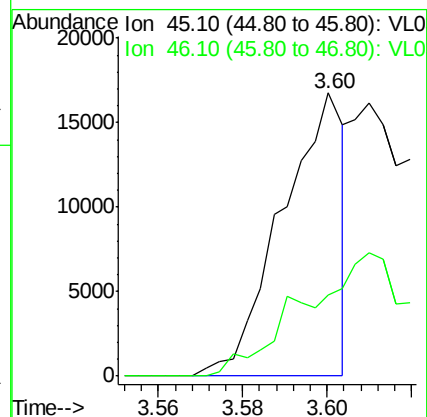
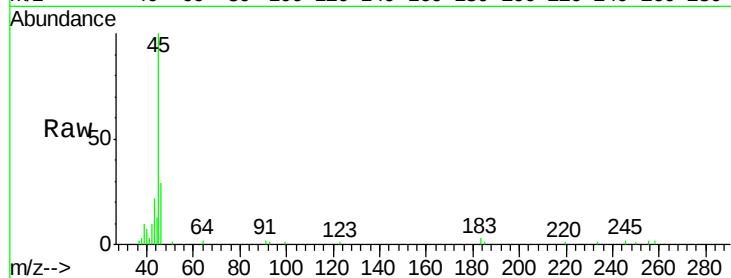
SS-4BDL

Tgt Ion: 45 Resp: 17090

Ion Ratio Lower Upper

45 100

46 0.0 19.0 75.8#



#15

Acetone

Concen: 0.702 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036160.D

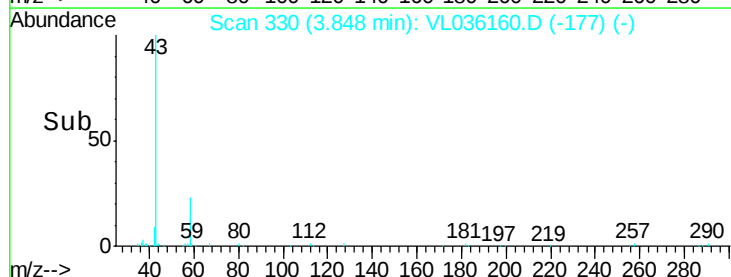
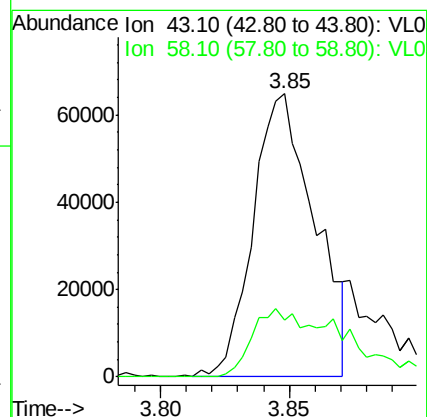
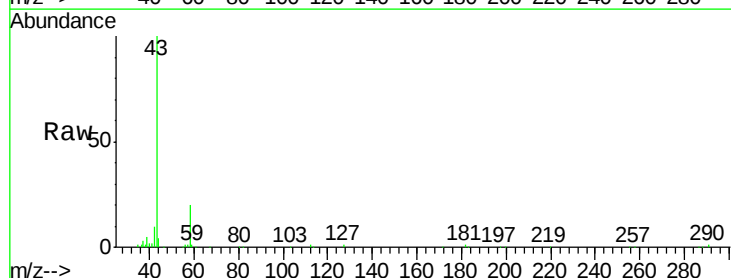
Acq: 11 Dec 2020 11:58

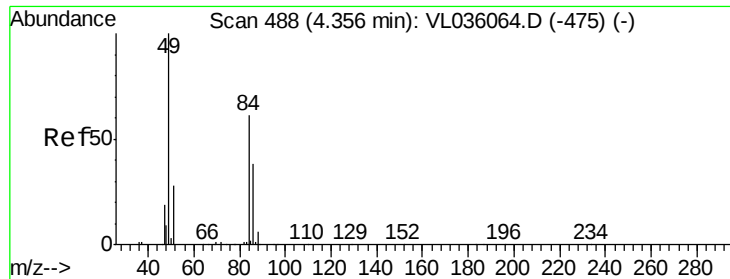
Tgt Ion: 43 Resp: 107294

Ion Ratio Lower Upper

43 100

58 40.1 20.9 31.3#

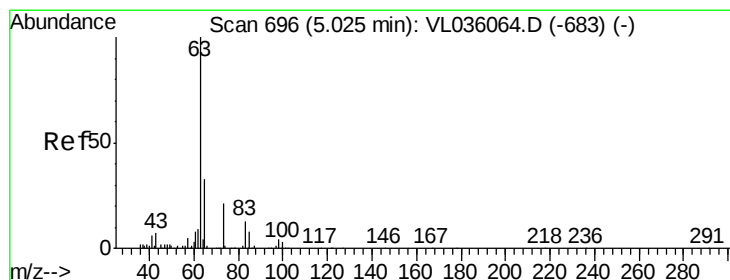
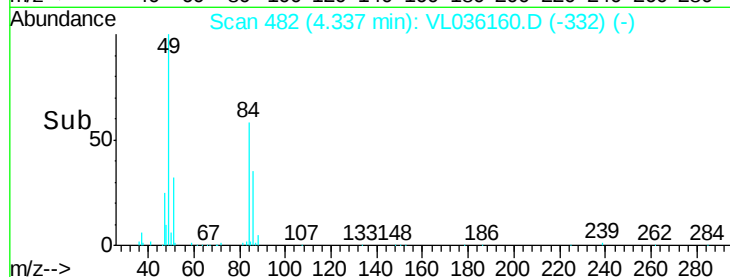
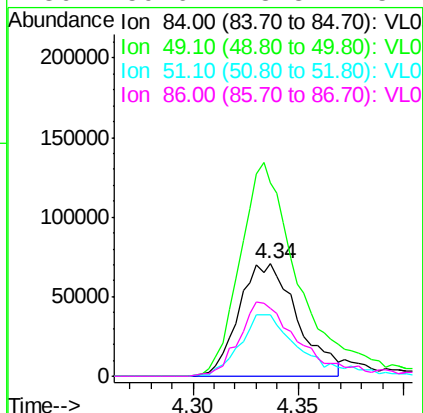
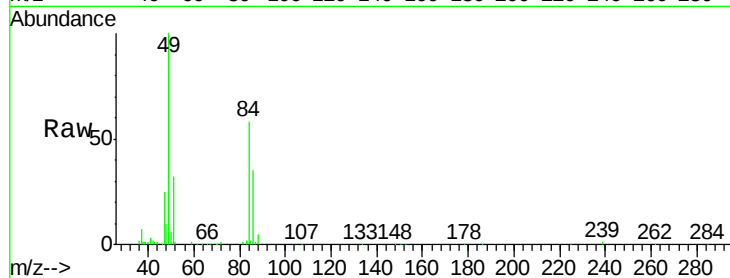




#20
Methylene Chloride
Concen: 2.181 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

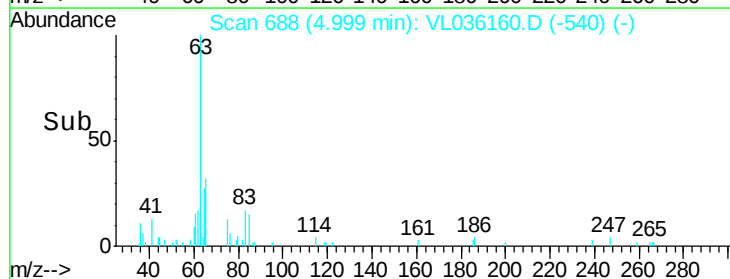
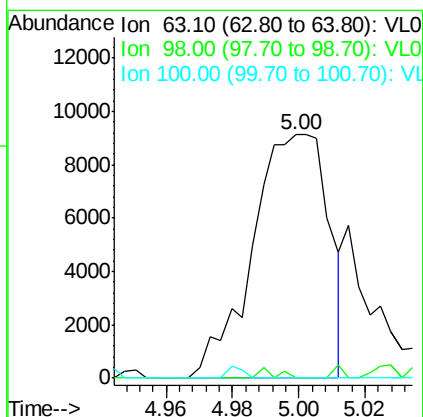
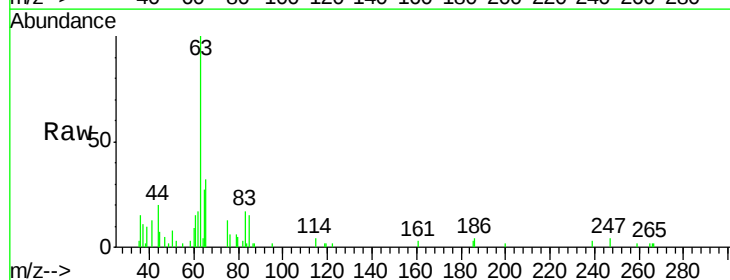
Instrument :
MSVOA_X
ClientSampleId :
SS-4BDL

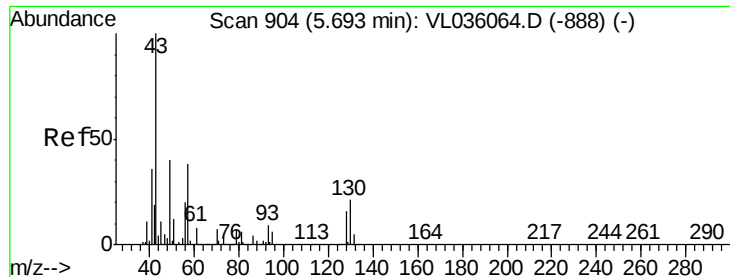
Tgt Ion:	84	Resp:	136558
Ion	Ratio	Lower	Upper
84	100		
49	171.7	133.0	199.4
51	54.8	38.9	58.3
86	59.6	48.8	73.2



#24
1,1-Dichloroethane
Concen: 0.103 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.03 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

Tgt Ion:	63	Resp:	14676
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.4#

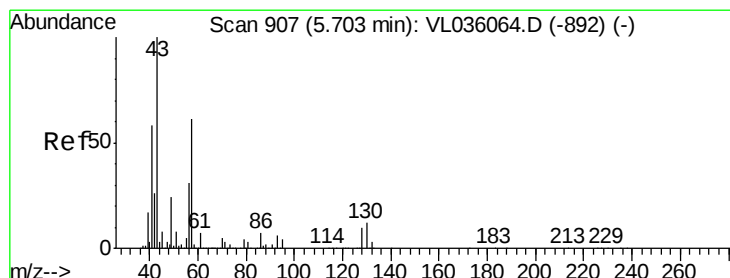
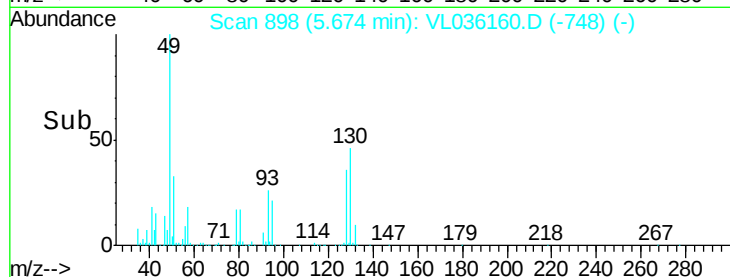
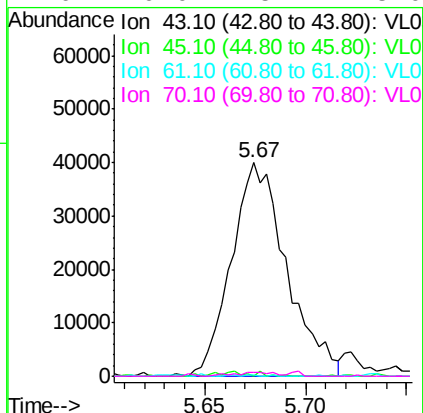
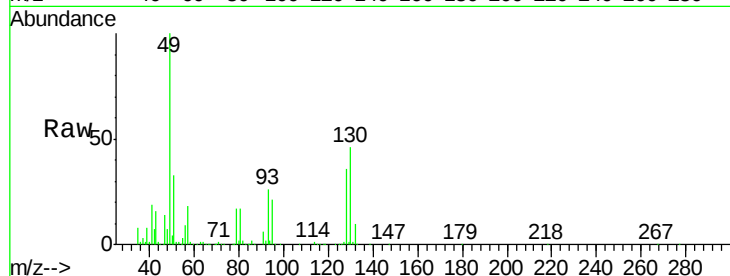




#25
Ethyl Acetate
Concen: 0.250 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

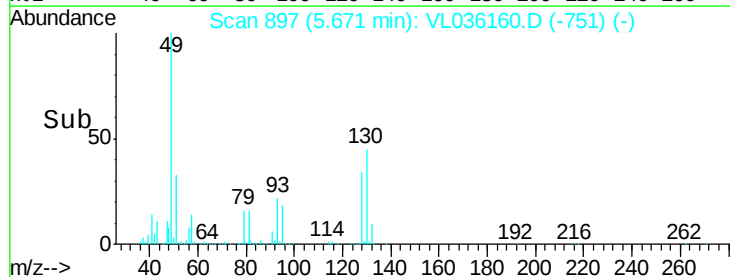
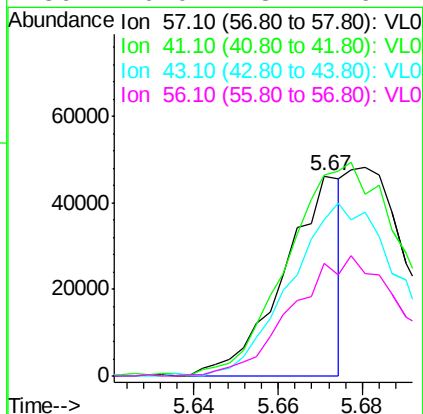
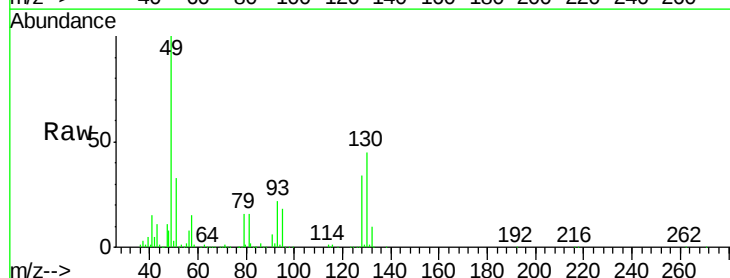
Instrument :
MSVOA_X
ClientSampleId :
SS-4BDL

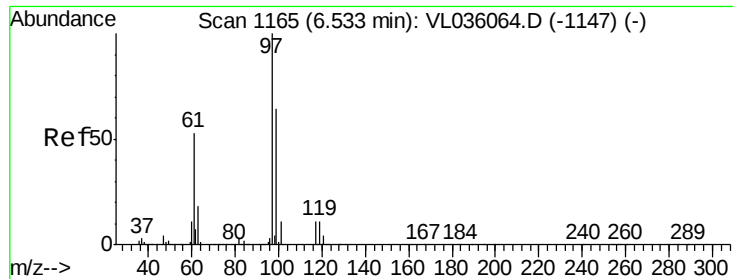
Tgt Ion:	43	Resp:	76390
Ion	Ratio	Lower	Upper
43	100		
45	1.4	8.2	12.4#
61	0.6	7.4	11.2#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.319 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

Tgt Ion:	57	Resp:	43786
Ion	Ratio	Lower	Upper
57	100		
41	0.0	82.9	124.3#
43	0.0	199.9	299.9#
56	0.0	43.1	64.7#





#32

1,1,1-Trichloroethane

Concen: 0.358 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.03 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

SS-4BDL

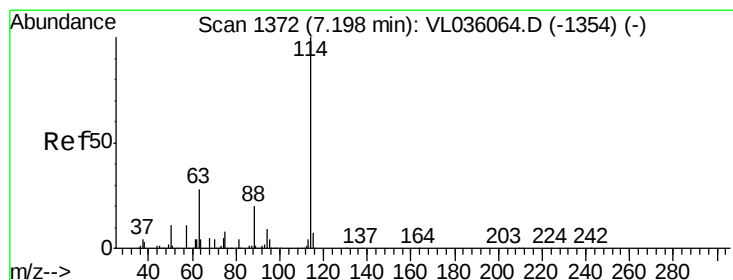
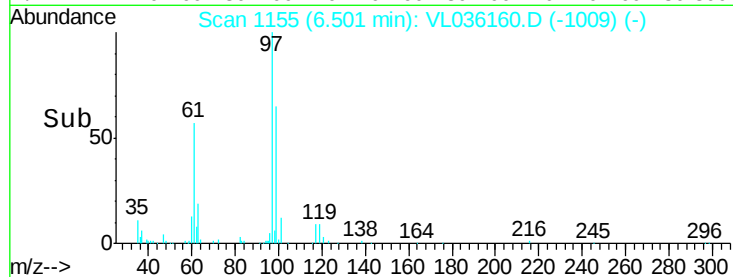
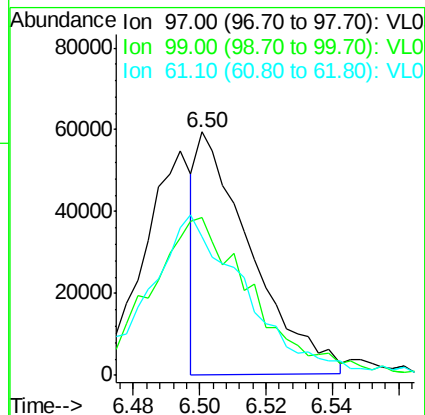
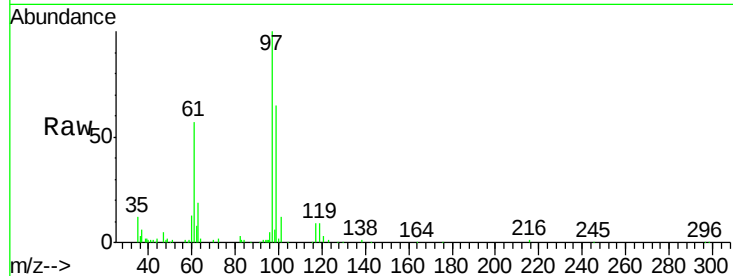
Tgt Ion: 97 Resp: 66701

Ion Ratio Lower Upper

97 100

99 125.6 52.4 78.6#

61 121.0 43.4 65.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.04 min

Lab File: VL036160.D

Acq: 11 Dec 2020 11:58

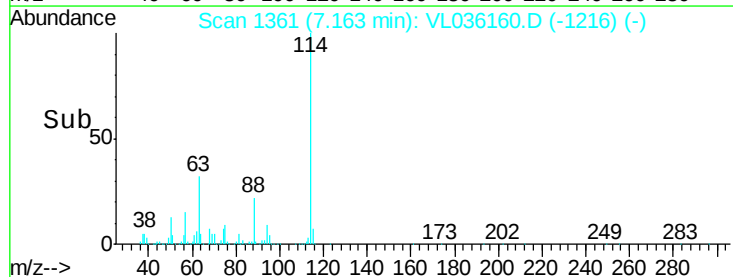
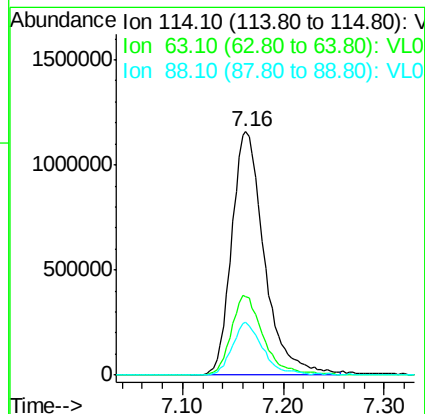
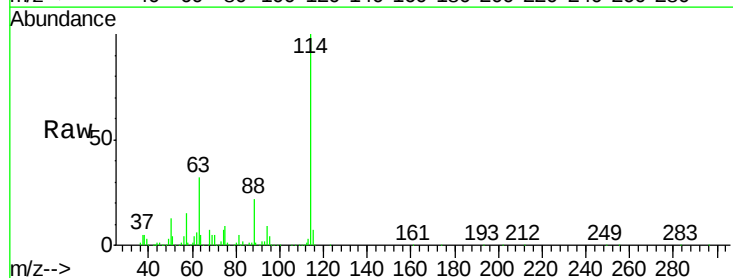
Tgt Ion: 114 Resp: 2619126

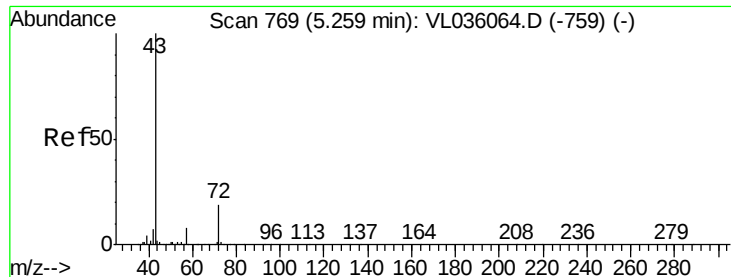
Ion Ratio Lower Upper

114 100

63 32.6 23.6 35.4

88 20.6 15.8 23.6

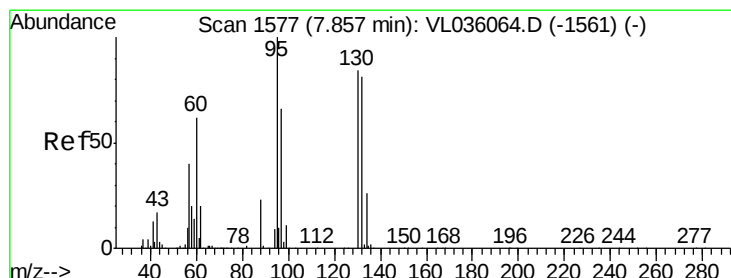
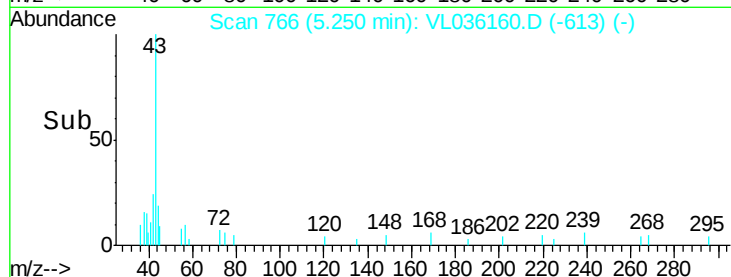
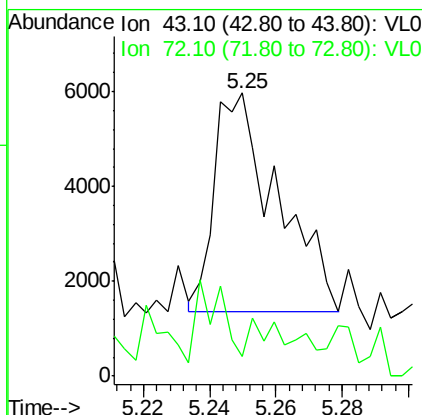
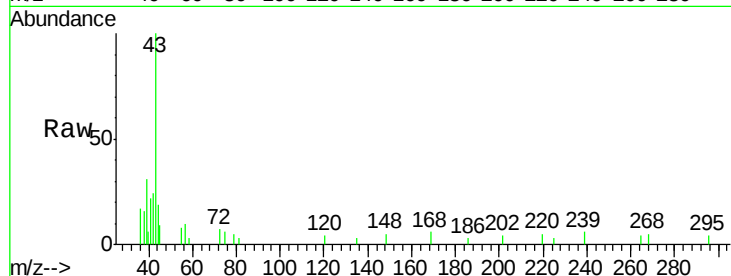




#34
2-Butanone
Concen: 0.035 ppbv
RT: 5.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

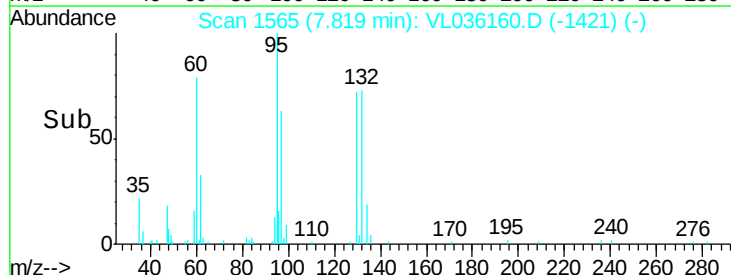
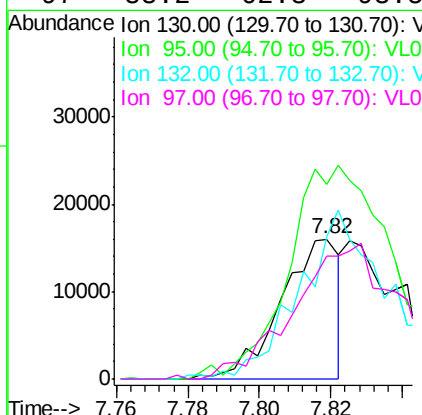
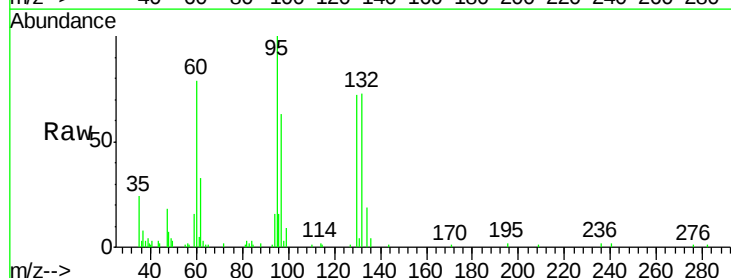
Instrument :
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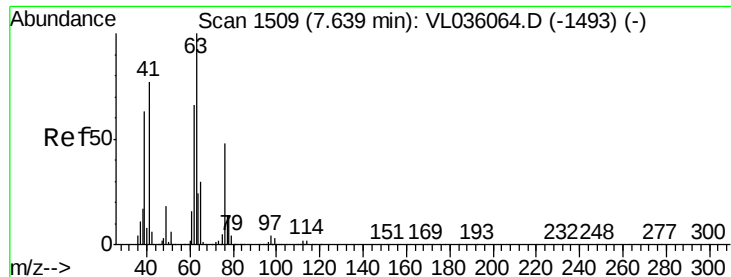
Tgt Ion: 43 Resp: 6103
Ion Ratio Lower Upper
43 100
72 66.1 16.5 24.7#



#38
Trichloroethene
Concen: 0.219 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.04 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

Tgt Ion: 130 Resp: 18162
Ion Ratio Lower Upper
130 100
95 139.1 95.2 142.8
132 99.1 76.9 115.3
97 88.2 62.3 93.5

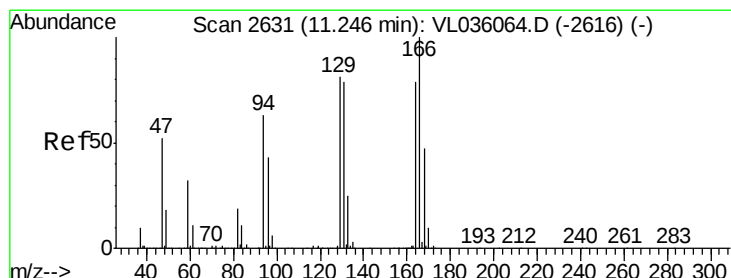
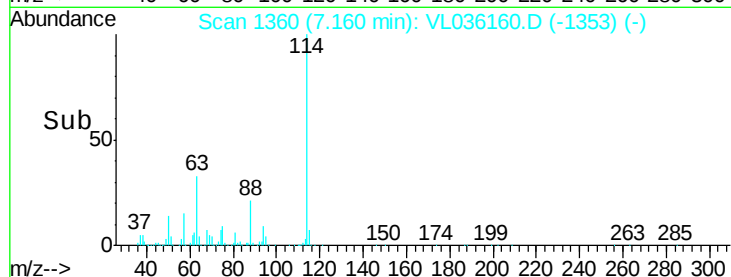
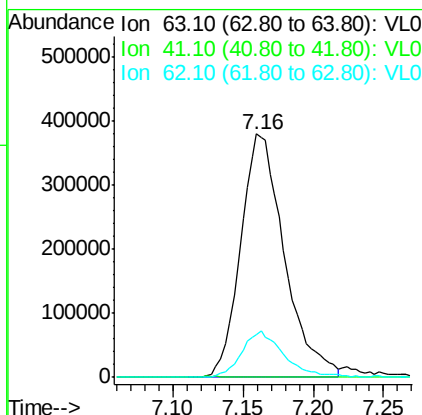
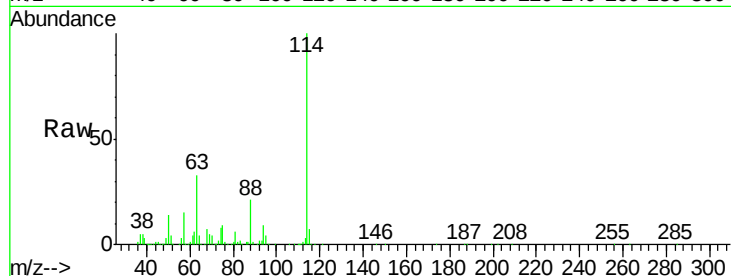




#39
 1,2-Dichloropropane
 Concen: 9.386 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.48 min
 Lab File: VL036160.D
 Acq: 11 Dec 2020 11:58

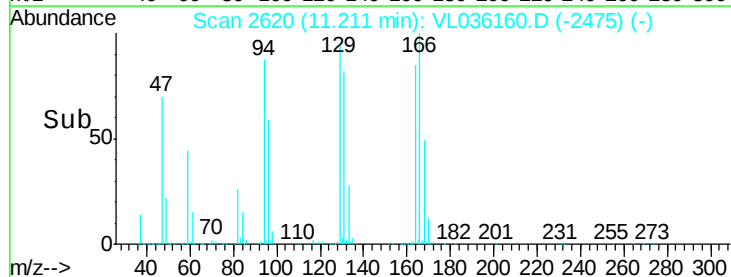
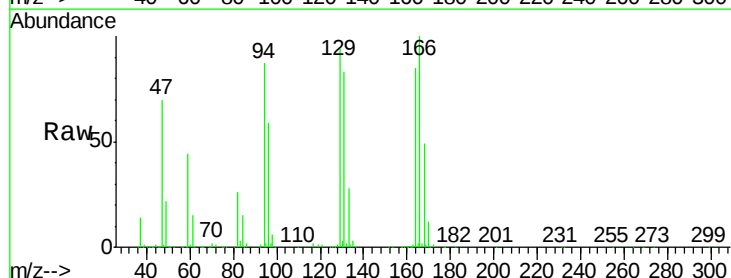
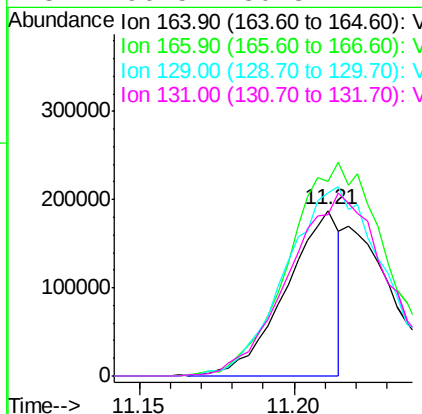
Instrument :
 MSVOA_X
 ClientSampleId :
 SS-4BDL

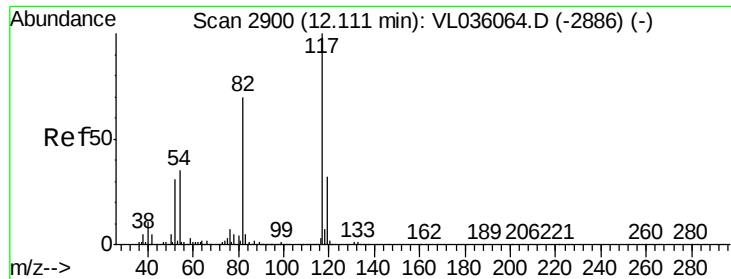
Tgt Ion: 63 Resp: 822733
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 17.6 52.5 78.7#



#52
 Tetrachloroethene
 Concen: 2.767 ppbv
 RT: 11.21 min Scan# 2620
 Delta R.T. -0.04 min
 Lab File: VL036160.D
 Acq: 11 Dec 2020 11:58

Tgt Ion: 164 Resp: 222336
 Ion Ratio Lower Upper
 164 100
 166 117.2 101.9 152.9
 129 110.5 82.1 123.1
 131 96.5 80.8 121.2

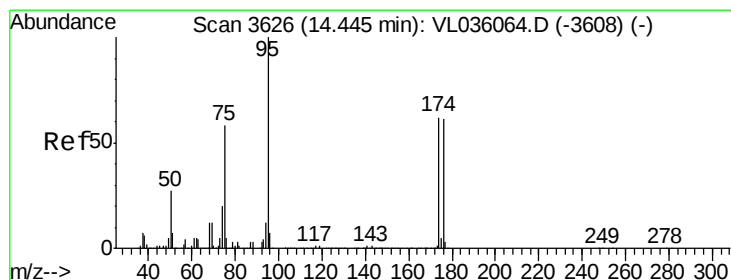
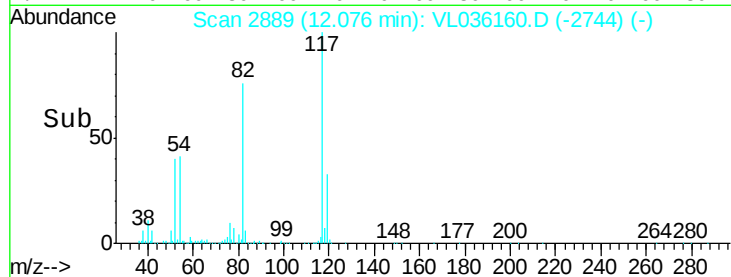
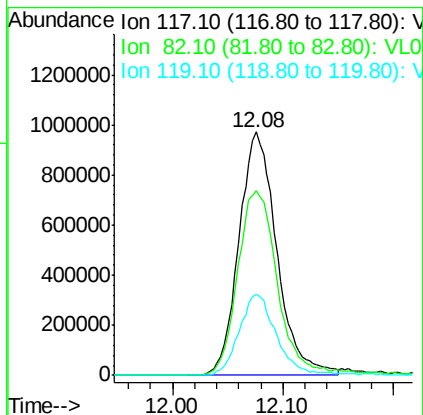
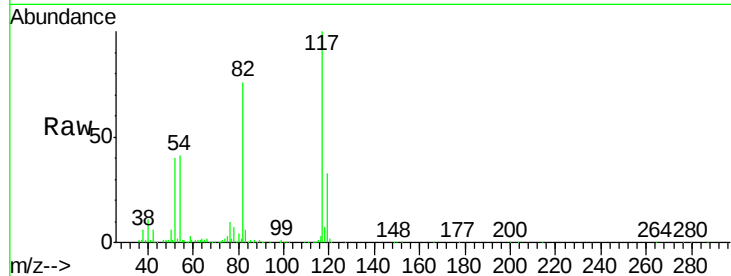




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.04 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

Instrument :
MSVOA_X
ClientSampleId :
SS-4BDL

Tgt Ion: 117 Resp: 2315871
Ion Ratio Lower Upper
117 100
82 81.1 0.0 0.0#
119 33.4 0.0 0.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.992 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.04 min
Lab File: VL036160.D
Acq: 11 Dec 2020 11:58

Tgt Ion: 95 Resp: 2021298
Ion Ratio Lower Upper
95 100
174 54.3 50.7 76.1
175 3.9 4.0 6.0#

