

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036174.D
 Acq On : 16 Dec 2020 19:53
 Operator : SY/AP
 Sample : L5041-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:41:04 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	5.66	49	1464122	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2817181	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2591803	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2347057	11.40	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.00%

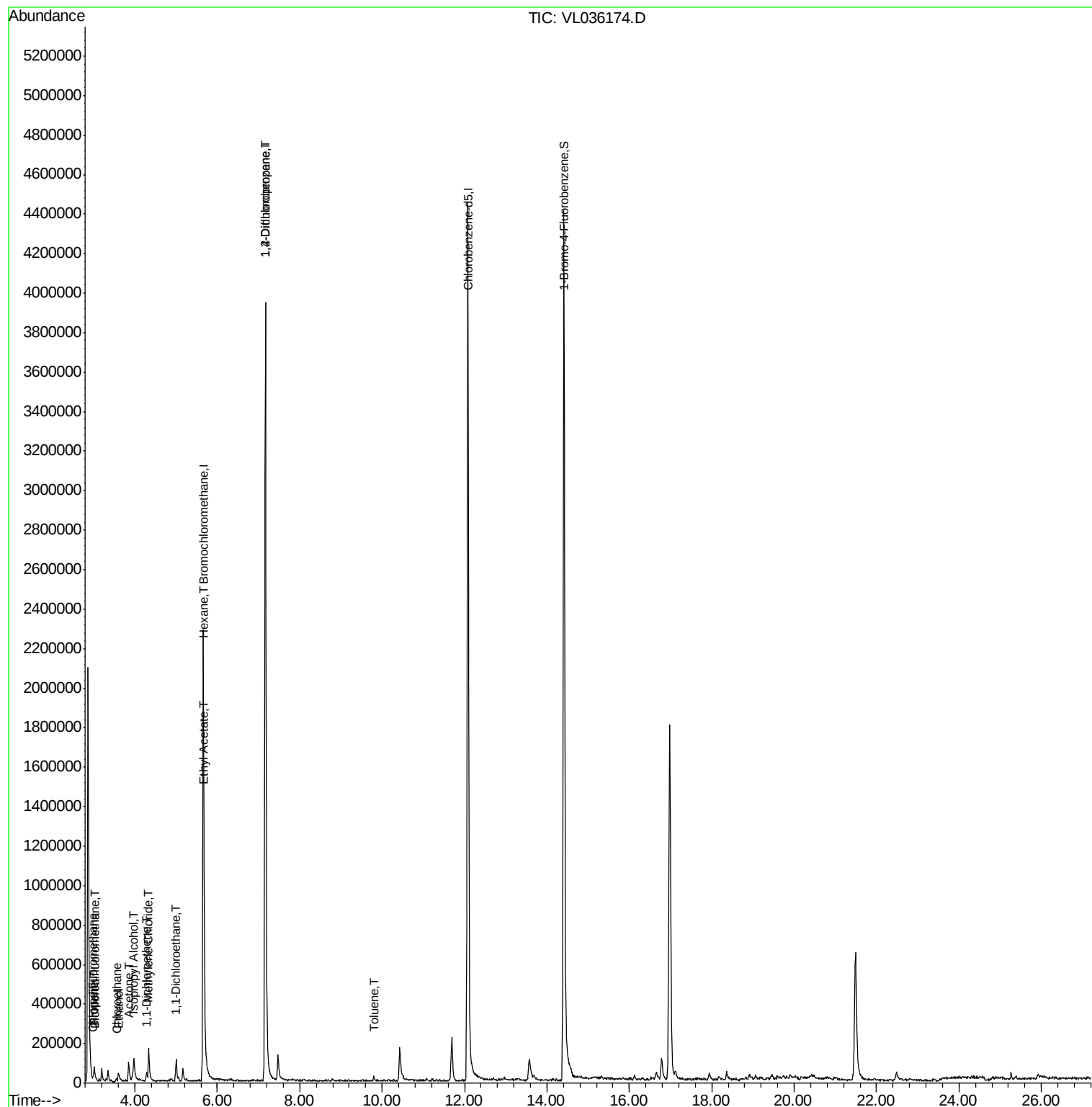
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	8467	0.050 ppbv #	87
3) Chlorodifluoromethane	2.98	51	7487	0.045 ppbv	95
7) Chloroethane	3.55	64	1881	0.061 ppbv #	81
9) Propene	3.00	41	3508	0.042 ppbv #	14
13) Ethanol	3.60	45	23633	2.049 ppbv #	36
15) Acetone	3.85	43	103605	0.589 ppbv #	70
18) 1,1-Dichloroethene	4.28	96	6500	0.107 ppbv #	80
19) Isopropyl Alcohol	3.97	45	149614	1.391 ppbv #	100
20) Methylene Chloride	4.33	84	57160	0.793 ppbv	88
24) 1,1-Dichloroethane	5.00	63	104307	0.633 ppbv #	95
25) Ethyl Acetate	5.68	43	41190	0.117 ppbv #	81
26) Hexane	5.67	57	56066	0.354 ppbv #	40
39) 1,2-Dichloropropane	7.17	63	926734	9.829 ppbv #	24
53) Toluene	9.80	91	10686	0.040 ppbv #	44

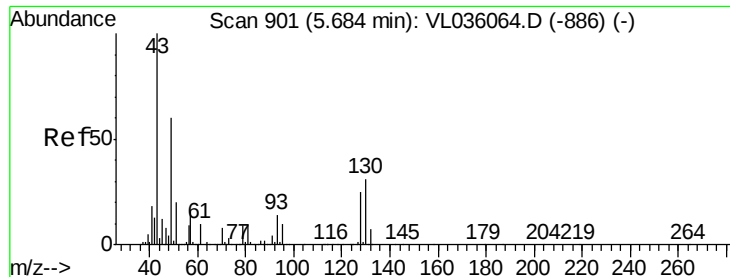
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:41:04 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



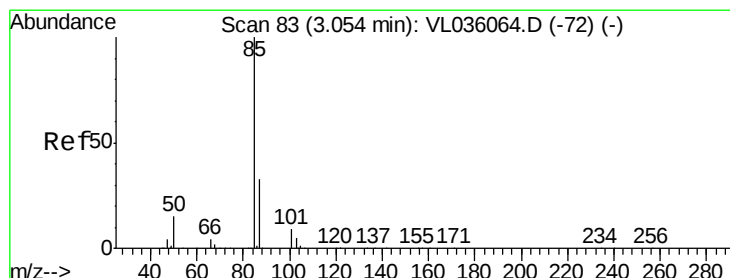
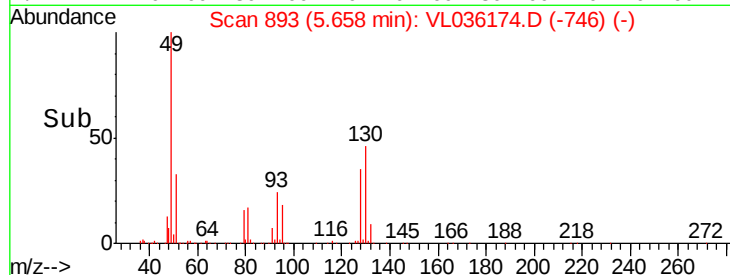
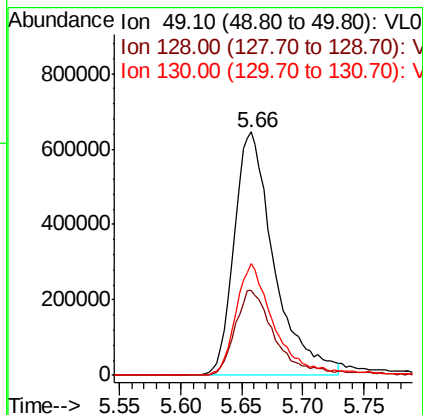
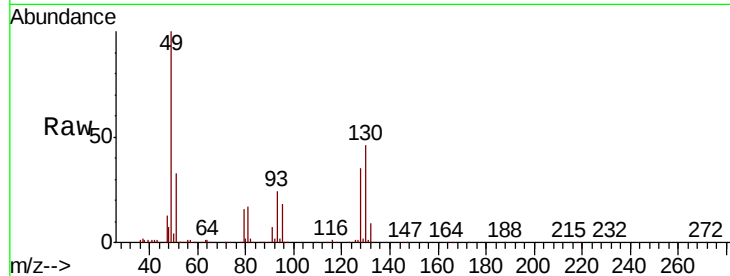


#1

Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Instrument :
MSVOA_L
ClientSampleId :

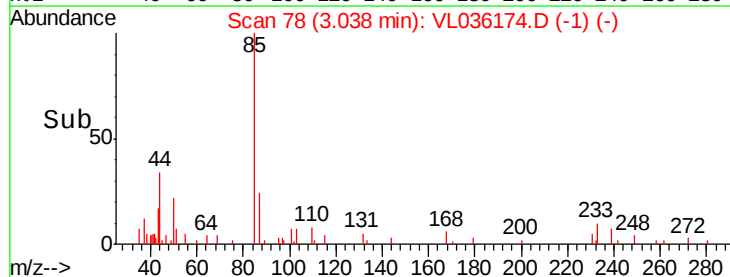
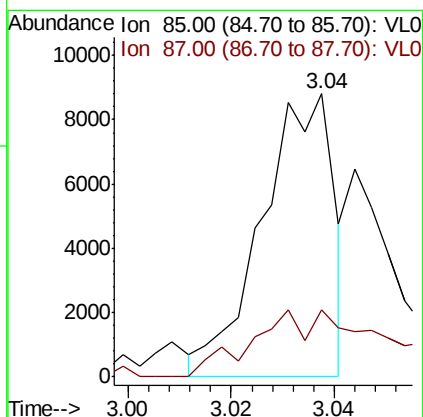
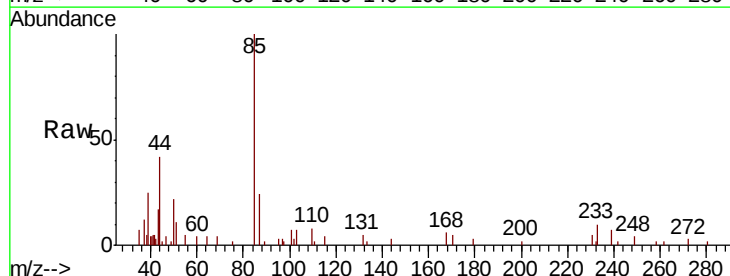
Tot Ion: 49 Resp: 1464122
Ion Ratio Lower Upper
49 100
128 35.9 21.1 63.1
130 45.2 27.1 81.3

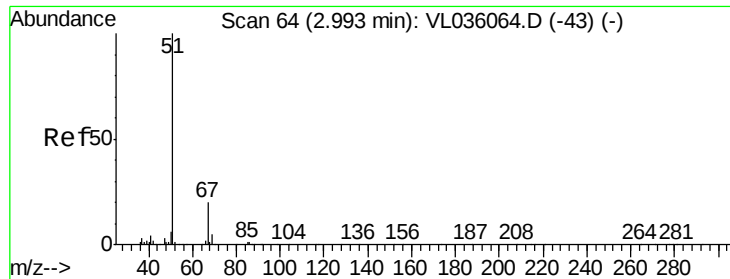


#2

Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.02 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Tgt Ion: 85 Resp: 8467
Ion Ratio Lower Upper
85 100
87 25.7 26.5 39.7#

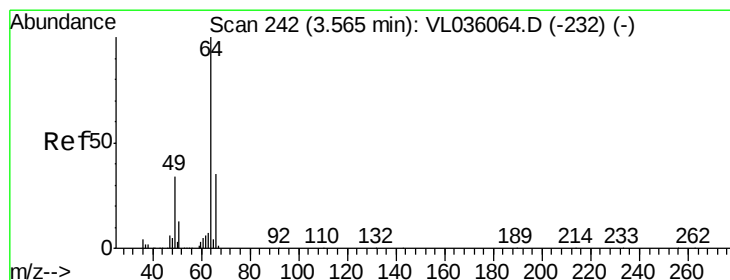
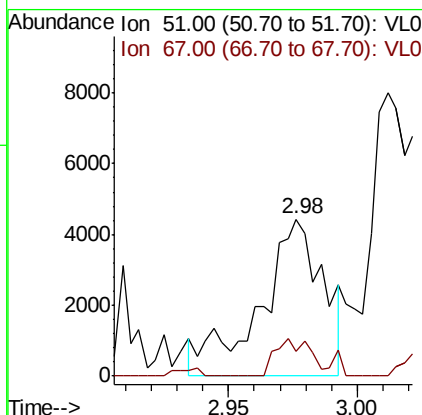
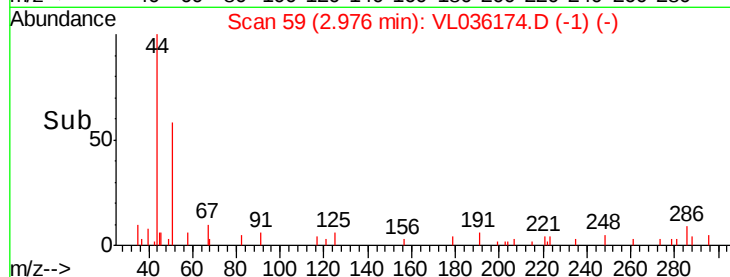
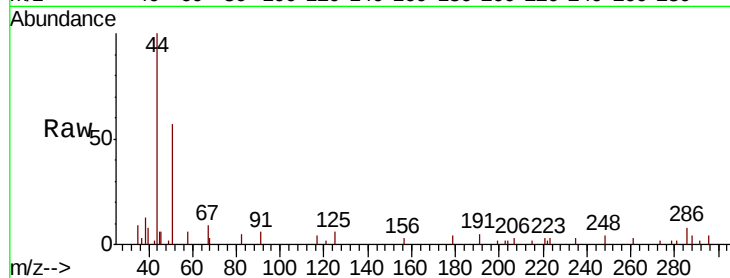




#3
Chlorodifluoromethane
Concen: 0.045 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.02 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

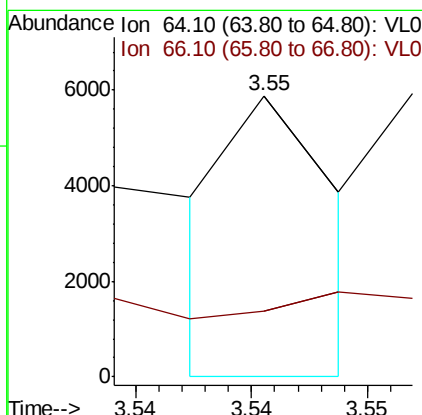
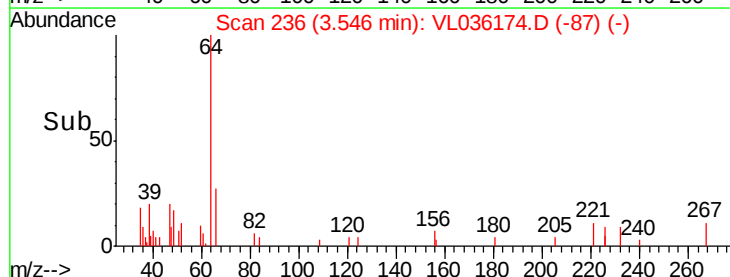
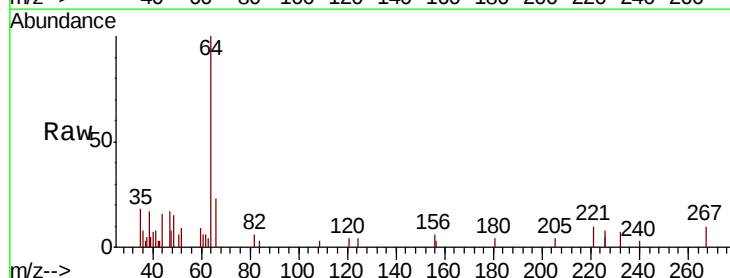
Instrument :
MSVOA_L
ClientSampleId :

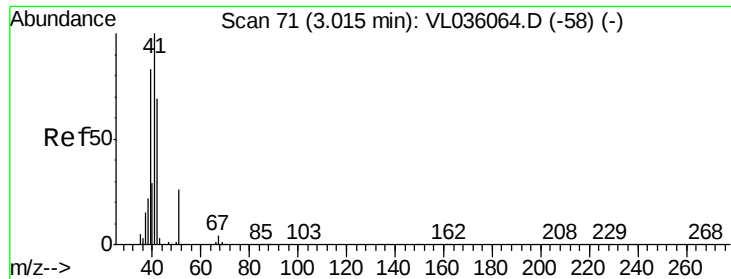
Tot Ion: 51 Resp: 7487
Ion Ratio Lower Upper
51 100
67 15.5 14.3 21.5



#7
Chloroethane
Concen: 0.061 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.02 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Tgt Ion: 64 Resp: 1881
Ion Ratio Lower Upper
64 100
66 23.5 27.7 41.5#





#9

Propene

Concen: 0.042 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

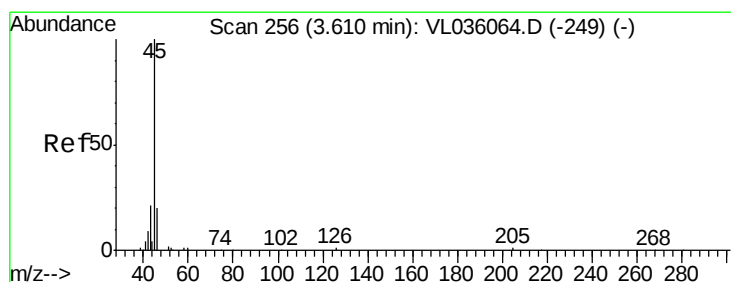
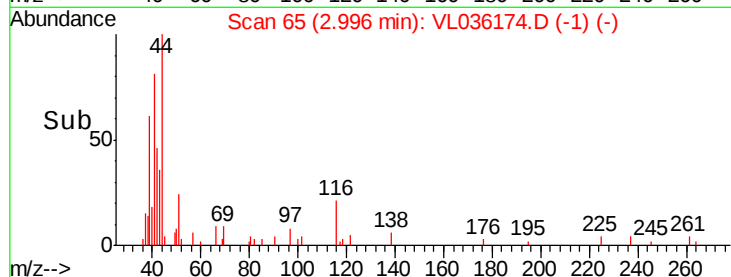
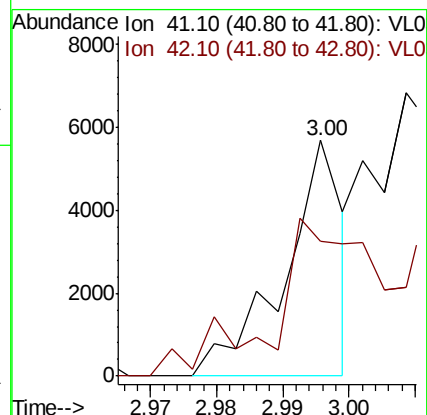
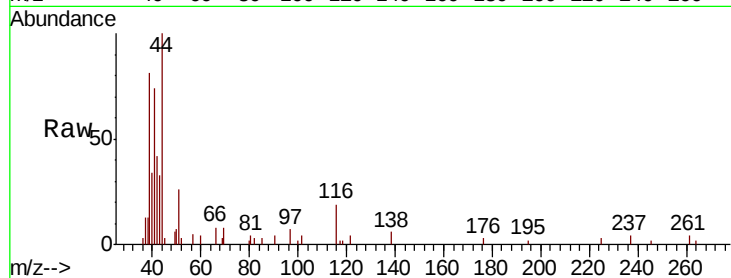
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 3508

Ion Ratio Lower Upper

41 100

42 0.0 57.0 85.6#



#13

Ethanol

Concen: 2.049 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036174.D

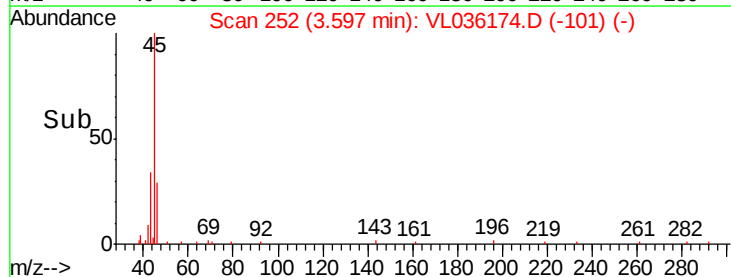
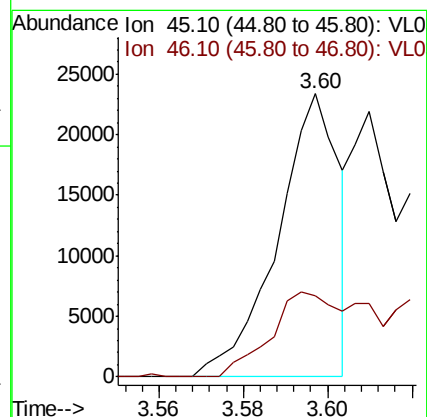
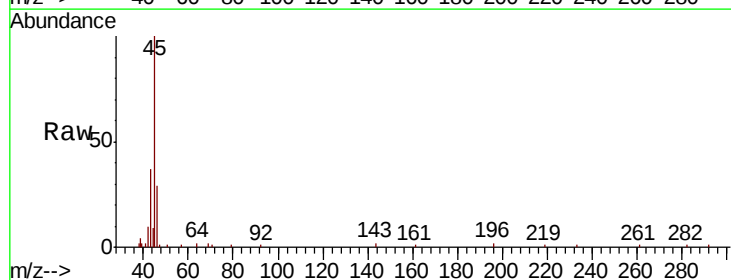
Acq: 16 Dec 2020 19:53

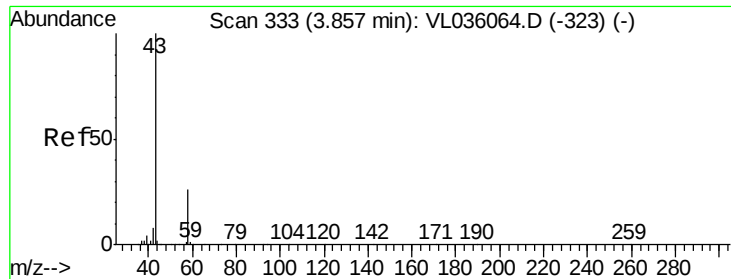
Tgt Ion: 45 Resp: 23633

Ion Ratio Lower Upper

45 100

46 90.1 19.0 75.8#





#15

Acetone

Concen: 0.589 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

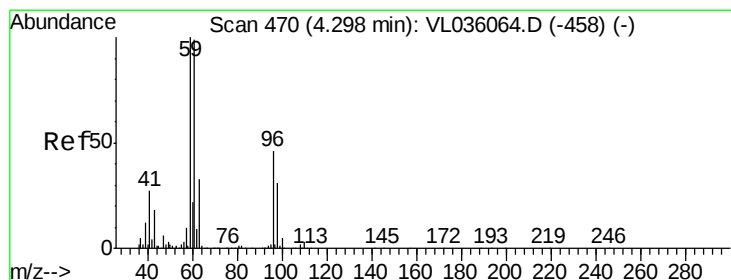
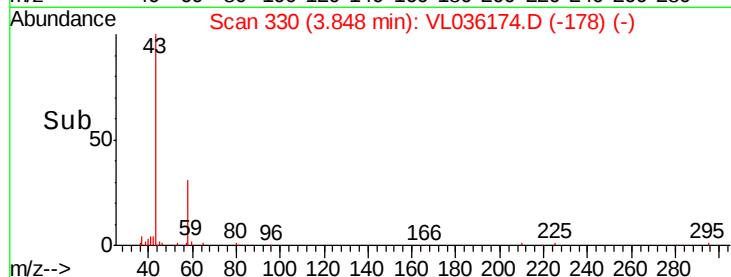
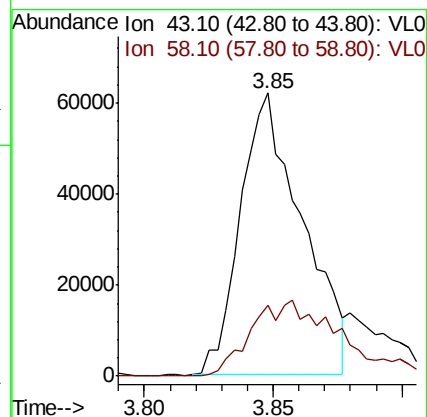
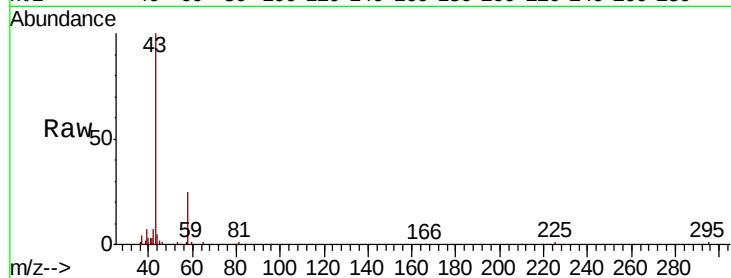
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 103605

Ion Ratio Lower Upper

43 100

58 41.6 20.9 31.3#



#18

1,1-Dichloroethene

Concen: 0.107 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

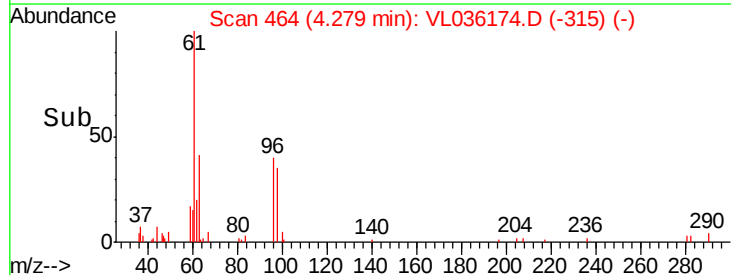
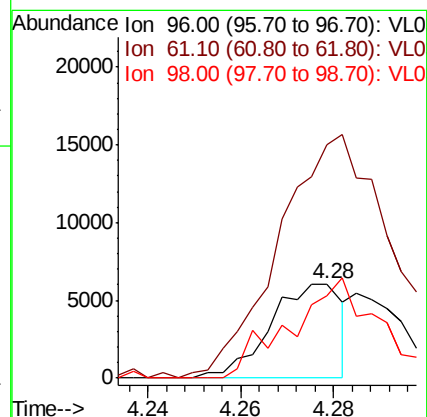
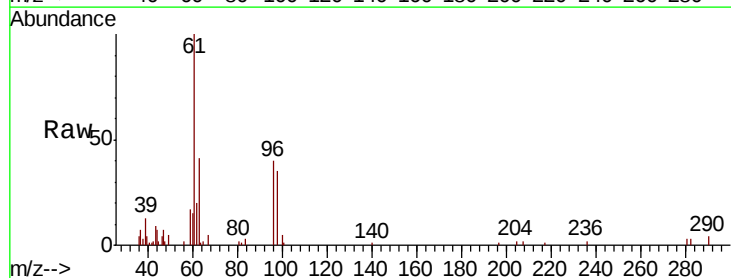
Tgt Ion: 96 Resp: 6500

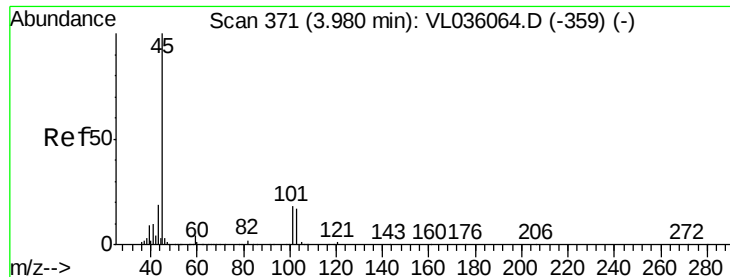
Ion Ratio Lower Upper

96 100

61 242.8 171.4 257.2

98 87.7 54.2 81.2#





#19

Isopropyl Alcohol

Concen: 1.391 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Instrument :

MSVOA_L

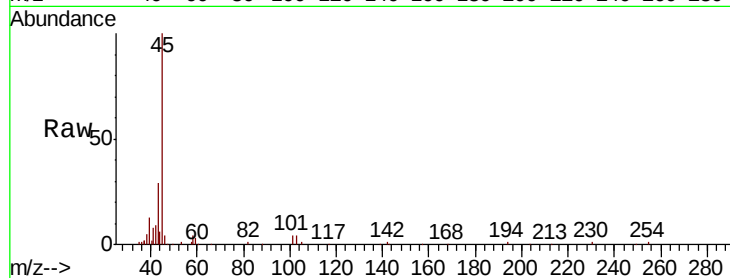
ClientSampleId :

Tot Ion: 45 Resp: 149614

Ion Ratio Lower Upper

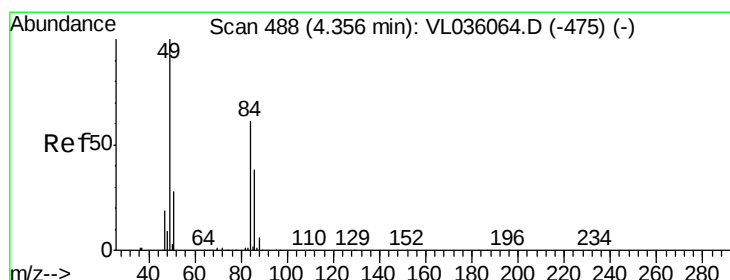
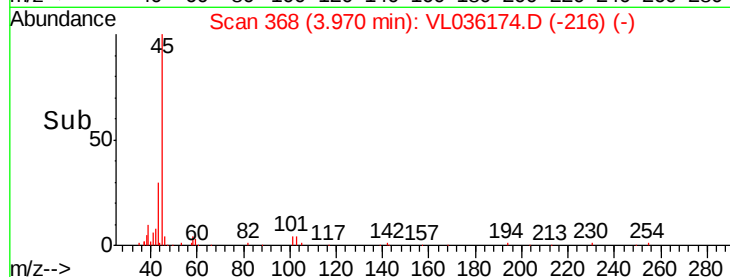
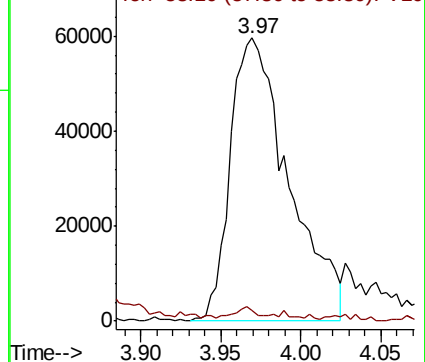
45 100

58 1.9 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.793 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Tgt Ion: 84 Resp: 57160

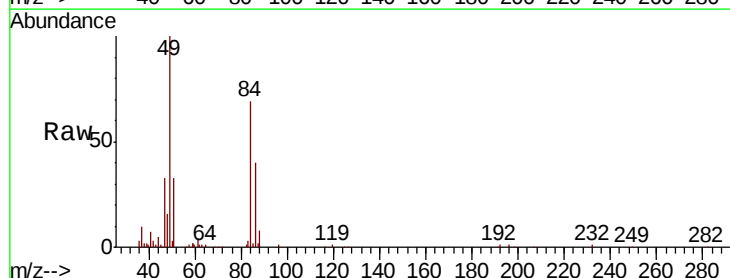
Ion Ratio Lower Upper

84 100

49 141.3 133.0 199.4

51 48.1 38.9 58.3

86 58.1 48.8 73.2

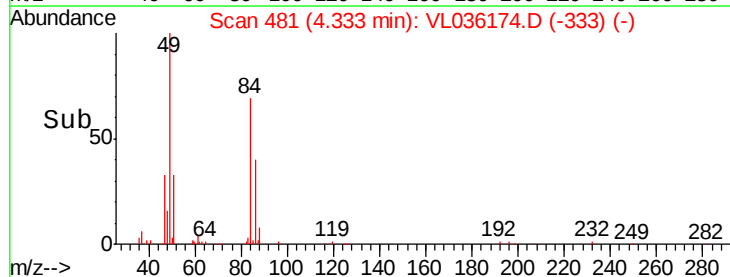
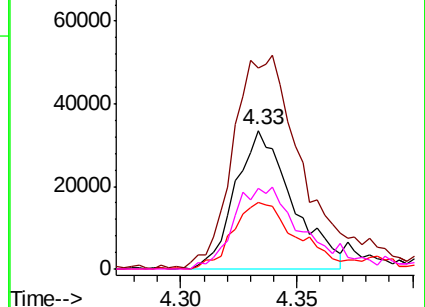


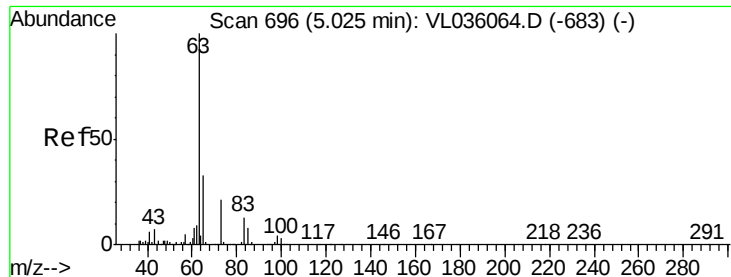
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#24

1,1-Dichloroethane

Concen: 0.633 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL036174.D

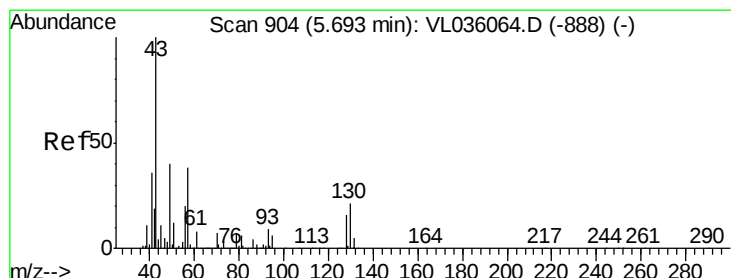
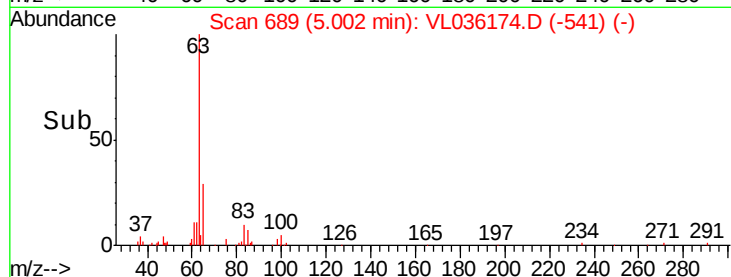
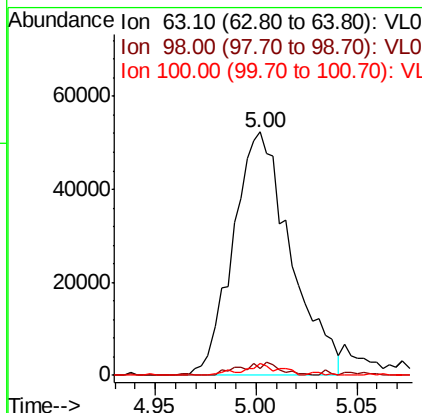
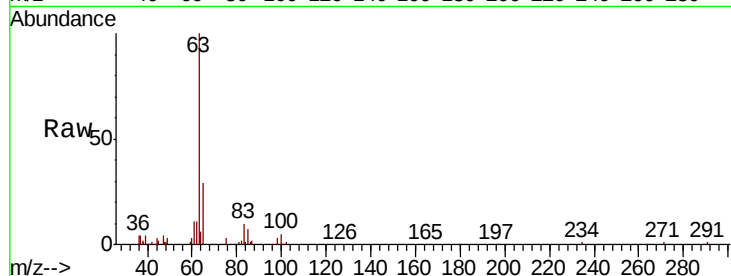
Acq: 16 Dec 2020 19:53

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	104307
Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.2	6.6
100	4.9	1.5	4.4#



#25

Ethyl Acetate

Concen: 0.117 ppbv

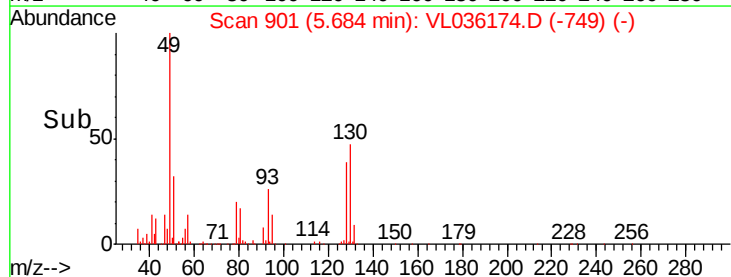
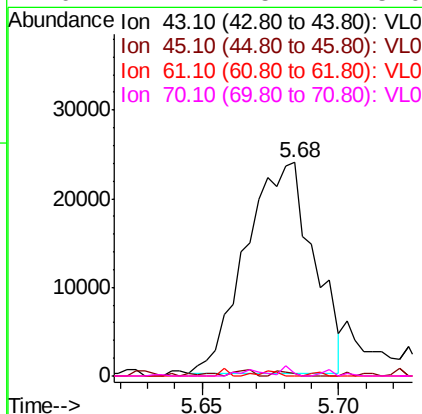
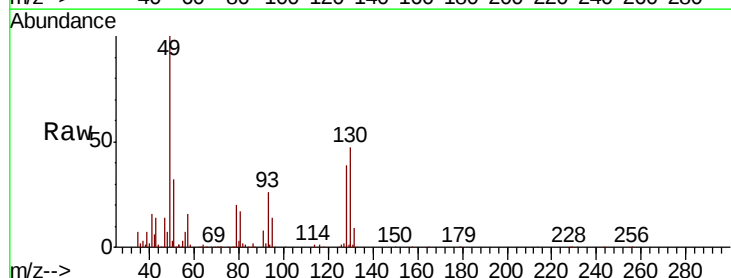
RT: 5.68 min Scan# 901

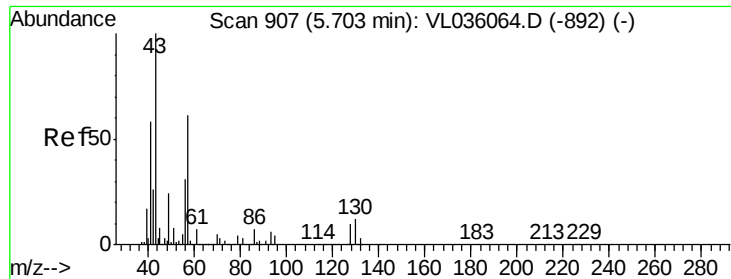
Delta R.T. -0.01 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Tgt Ion:	43	Resp:	41190
Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.2	12.4#
61	1.5	7.4	11.2#
70	2.2	5.4	8.0#

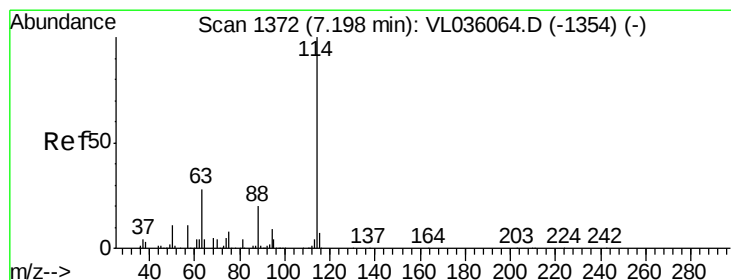
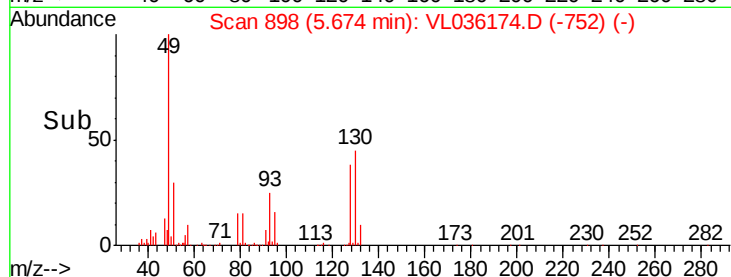
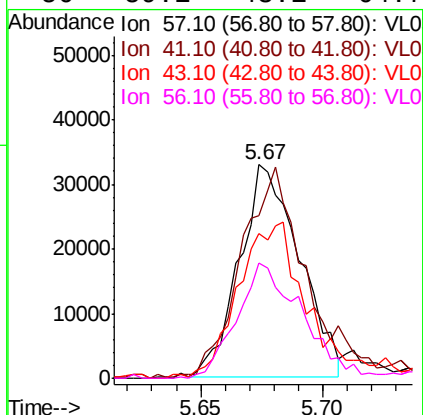
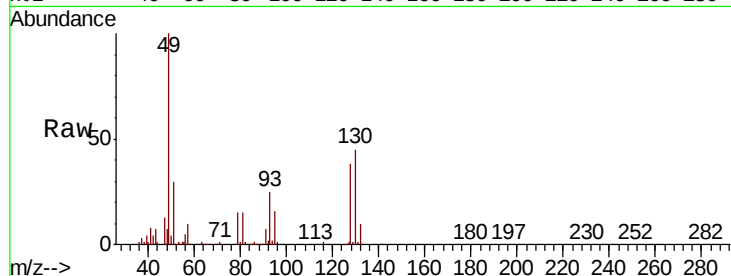




#26
Hexane
Concen: 0.354 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

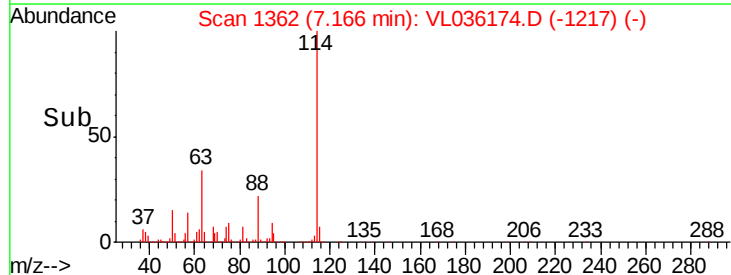
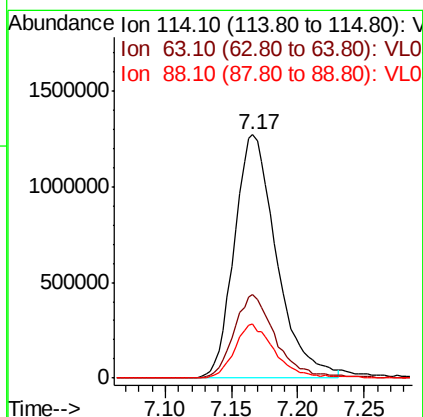
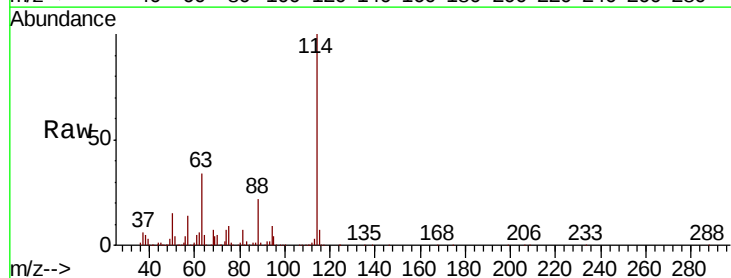
Instrument :
MSVOA_L
ClientSampleId :

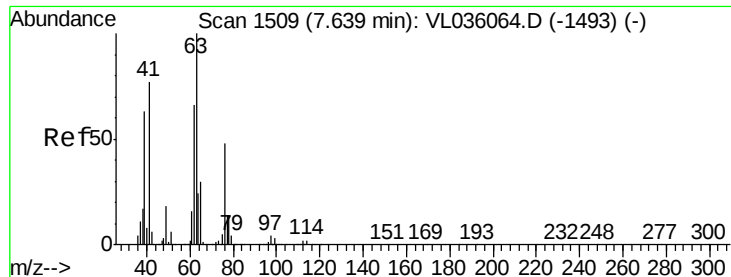
Tot Ion:	57	Resp:	56066
Ion	Ratio	Lower	Upper
57	100		
41	116.9	82.9	124.3
43	90.9	199.9	299.9#
56	59.1	43.1	64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Tgt Ion:	114	Resp:	2817181
Ion	Ratio	Lower	Upper
114	100		
63	34.4	23.6	35.4
88	21.6	15.8	23.6

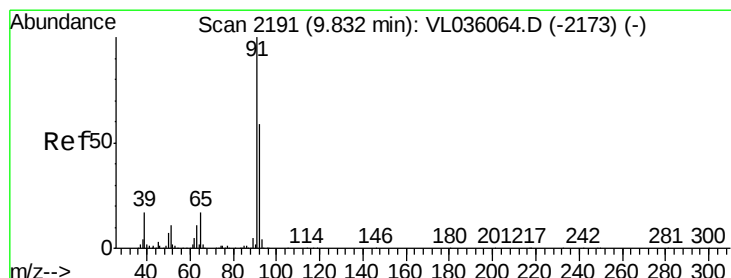
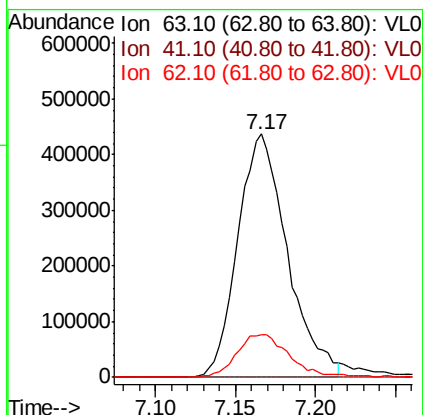
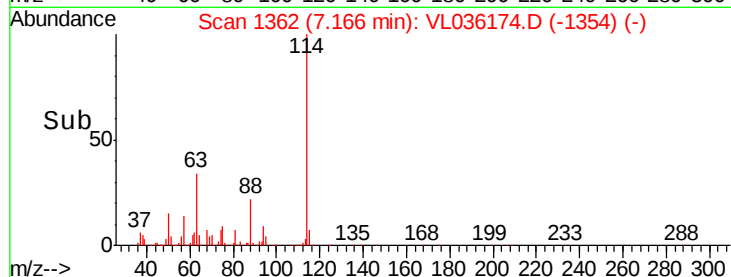
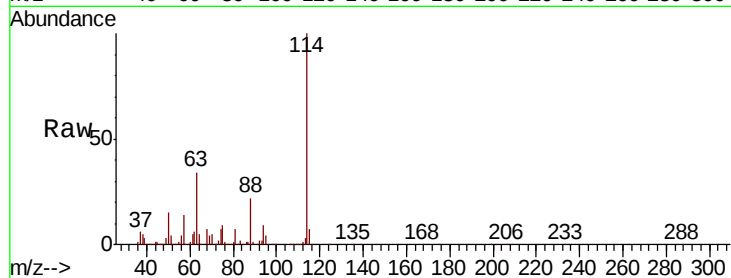




#39
 1,2-Dichloropropane
 Concen: 9.829 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.47 min
 Lab File: VL036174.D
 Acq: 16 Dec 2020 19:53

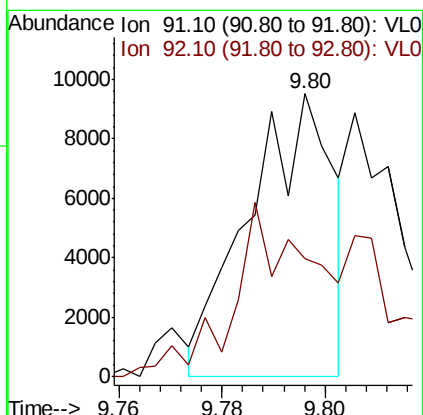
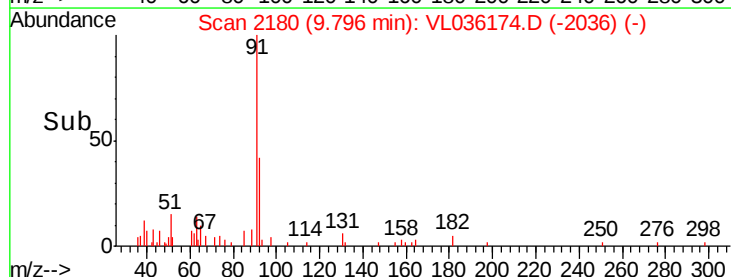
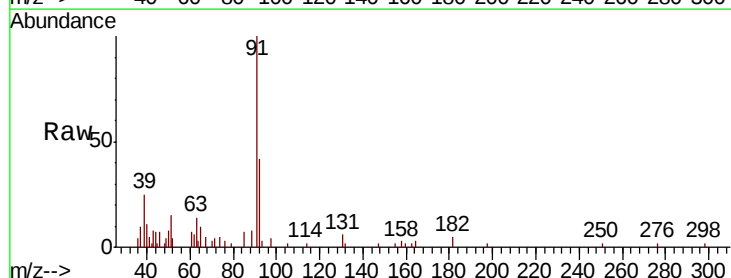
Instrument :
 MSVOA_L
 ClientSampled :

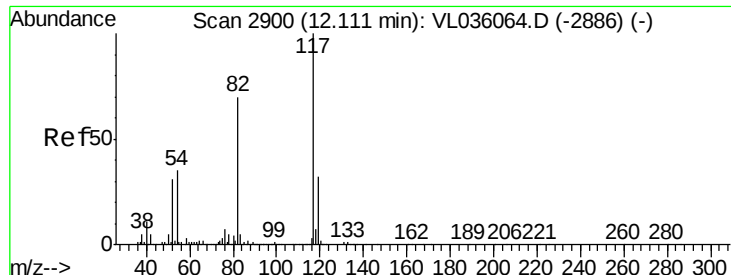
Tot Ion: 63 Resp: 926734
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.9 92.9#
 62 17.7 52.5 78.7#



#53
 Toluene
 Concen: 0.040 ppbv
 RT: 9.80 min Scan# 2180
 Delta R.T. -0.04 min
 Lab File: VL036174.D
 Acq: 16 Dec 2020 19:53

Tgt Ion: 91 Resp: 10686
 Ion Ratio Lower Upper
 91 100
 92 102.8 48.2 72.2#

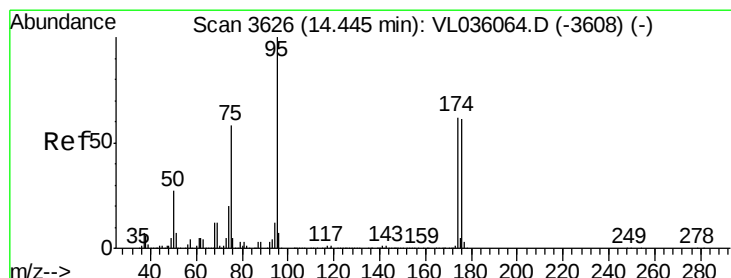
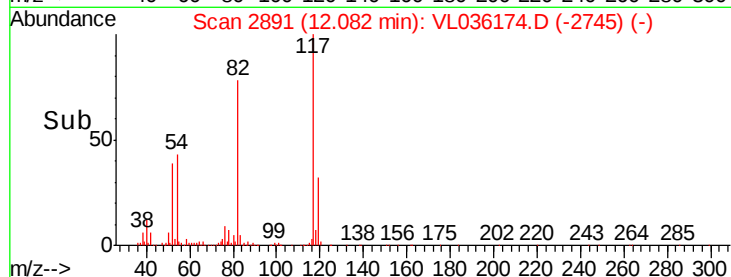
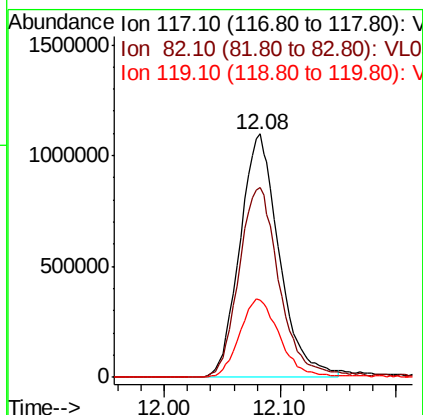
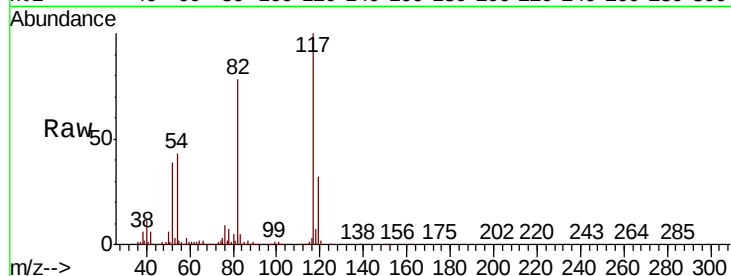




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.03 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2591803
Ion Ratio Lower Upper
117 100
82 82.2 0.0 0.0#
119 33.7 0.0 0.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 11.405 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.04 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Tgt Ion: 95 Resp: 2347057
Ion Ratio Lower Upper
95 100
174 53.8 50.7 76.1
175 3.7 4.0 6.0#

