

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036127.D
 Acq On : 9 Dec 2020 12:17
 Operator : SY/AP
 Sample : L4949-06DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL2

Quant Time: Dec 10 00:29:58 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	5.67	49	1220740	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2495558	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2264636	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1962806	10.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.20%

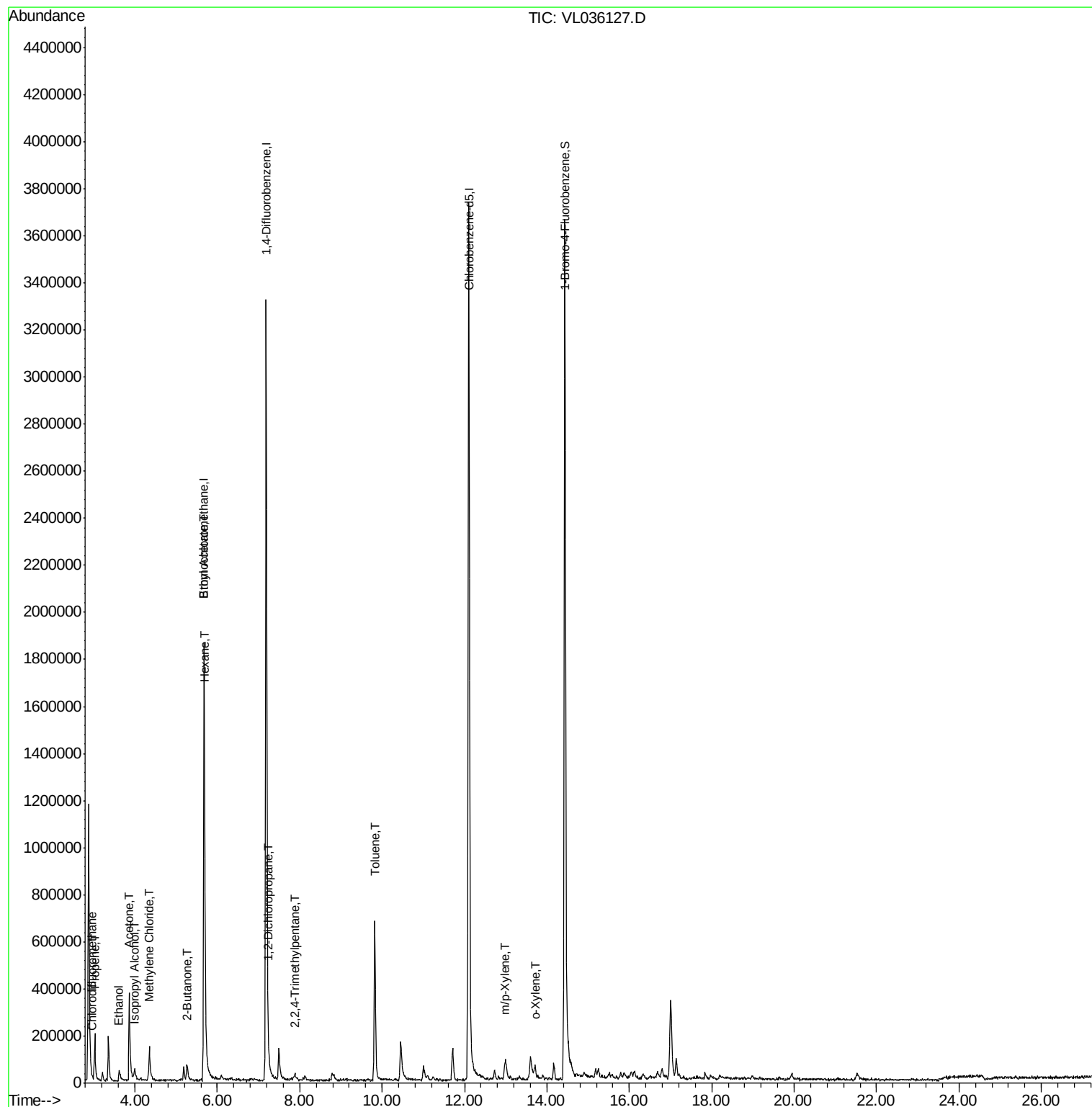
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.97	51	7103	0.051 ppbv #	67
9) Propene	3.02	41	42938	0.615 ppbv #	75
13) Ethanol	3.62	45	40259	4.186 ppbv	65
15) Acetone	3.86	43	471381	3.213 ppbv	95
19) Isopropyl Alcohol	4.00	45	36118	0.403 ppbv #	100
20) Methylene Chloride	4.36	84	51355	0.854 ppbv #	76
25) Ethyl Acetate	5.69	43	23910	0.082 ppbv #	4
26) Hexane	5.70	57	31991	0.243 ppbv	93
34) 2-Butanone	5.26	43	38356	0.232 ppbv #	4
39) 1,2-Dichloropropane	7.24	63	13083	0.157 ppbv #	15
44) 2,2,4-Trimethylpentane	7.89	57	16077	0.042 ppbv #	40
53) Toluene	9.82	91	538418	2.267 ppbv	100
59) m/p-Xylene	13.00	91	20558	0.079 ppbv #	34
60) o-Xylene	13.71	91	16062	0.065 ppbv #	21

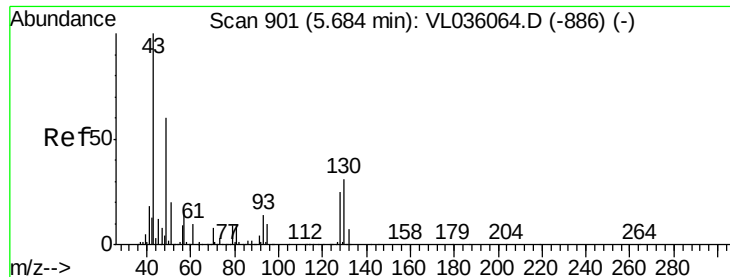
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120820\
Data File : VL036127.D
Acq On : 9 Dec 2020 12:17
Operator : SY/AP
Sample : L4949-06DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL2

Quant Time: Dec 10 00:29:58 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

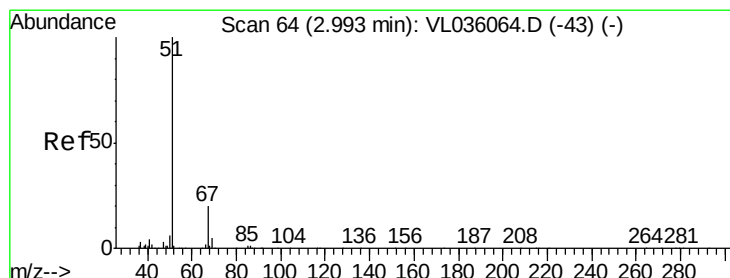
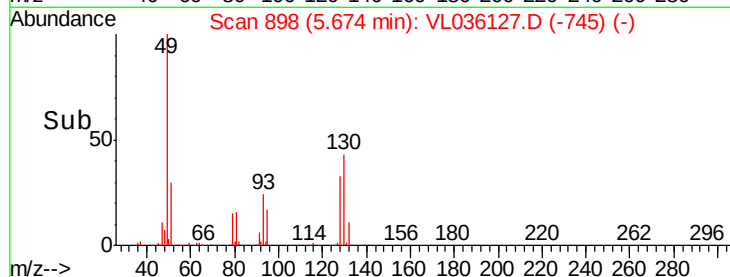
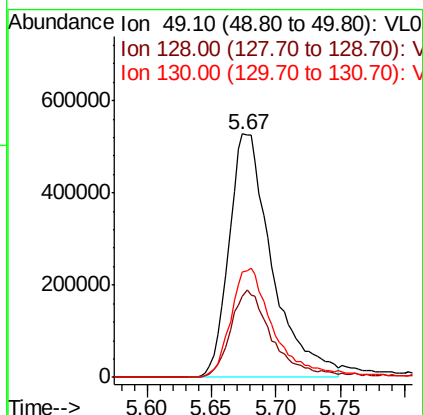
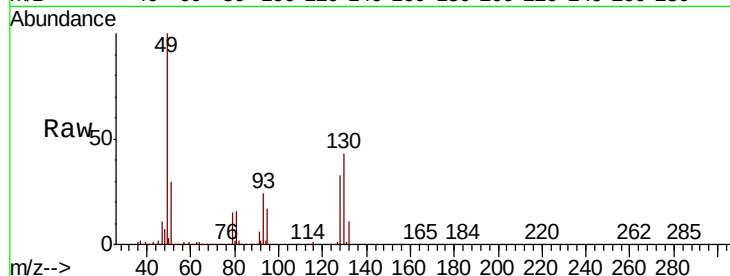




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VL036127.D
 Acq: 9 Dec 2020 12:17

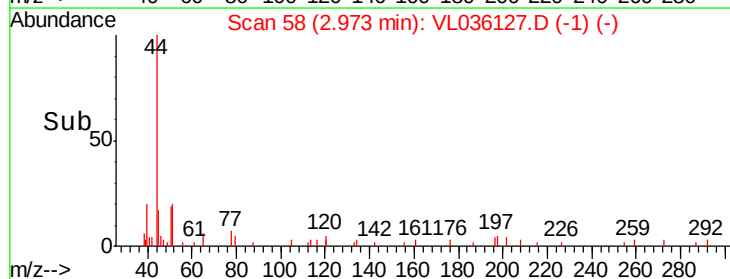
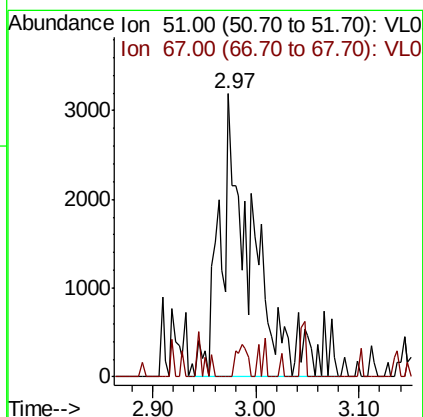
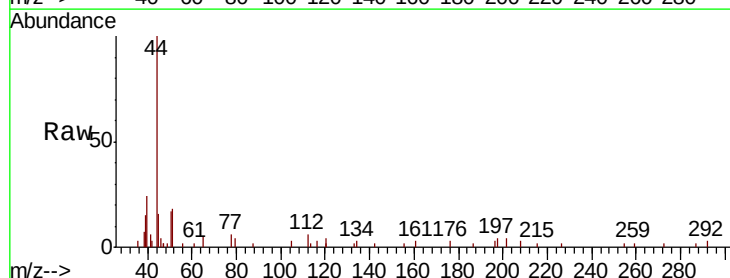
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL2

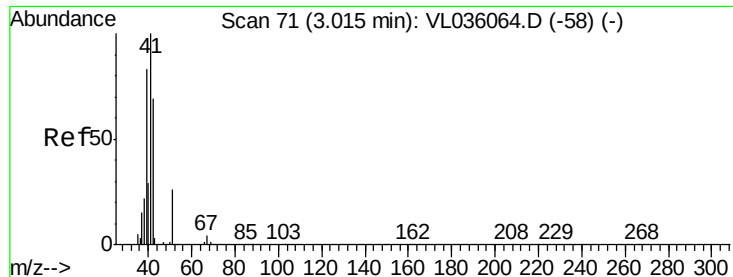
Tot Ion: 49 Resp: 1220740
 Ion Ratio Lower Upper
 49 100
 128 36.3 21.1 63.1
 130 46.9 27.1 81.3



#3
 Chlorodifluoromethane
 Concen: 0.051 ppbv
 RT: 2.97 min Scan# 58
 Delta R.T. -0.02 min
 Lab File: VL036127.D
 Acq: 9 Dec 2020 12:17

Tgt Ion: 51 Resp: 7103
 Ion Ratio Lower Upper
 51 100
 67 3.5 14.3 21.5#





#9

Propene

Concen: 0.615 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Instrument :

MSVOA_L

ClientSampleId :

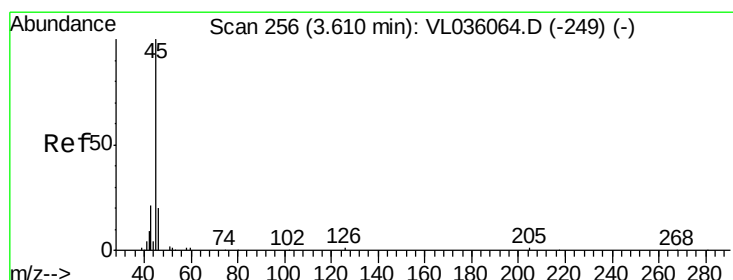
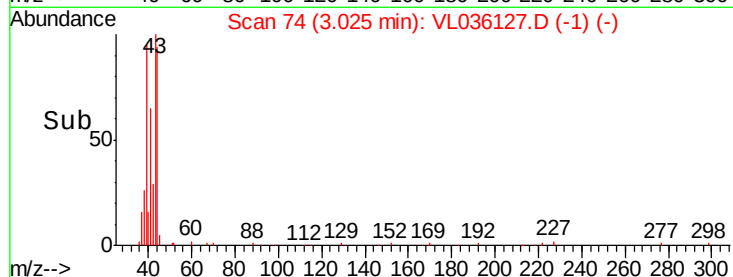
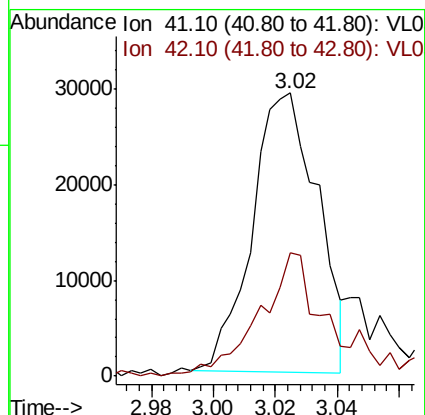
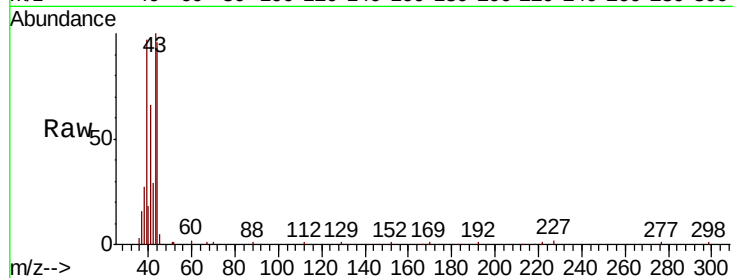
IA-5DL2

Tot Ion: 41 Resp: 42938

Ion Ratio Lower Upper

41 100

42 51.0 57.0 85.6#



#13

Ethanol

Concen: 4.186 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036127.D

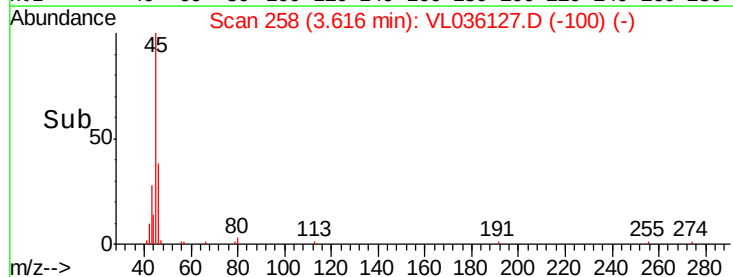
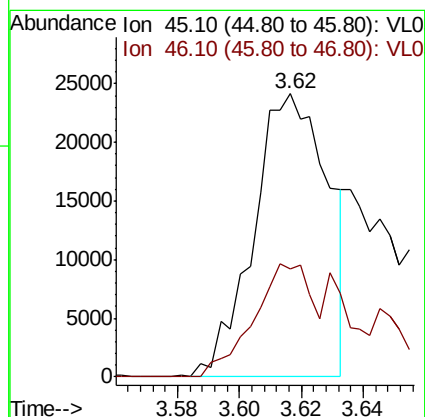
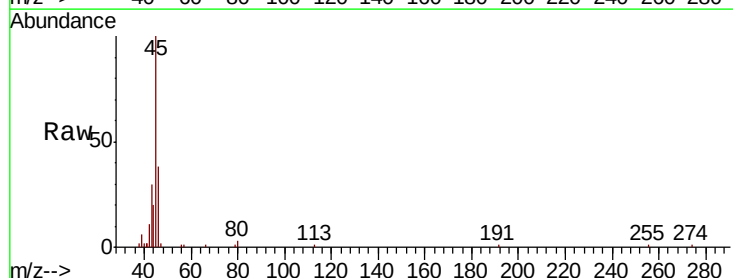
Acq: 9 Dec 2020 12:17

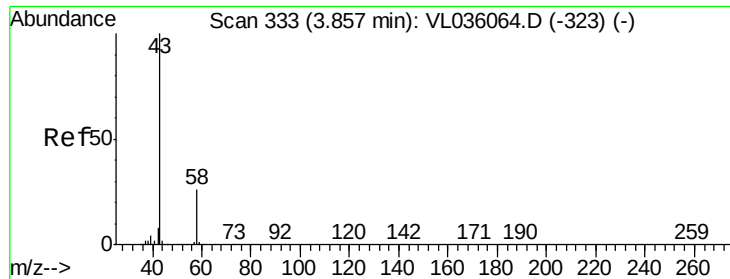
Tgt Ion: 45 Resp: 40259

Ion Ratio Lower Upper

45 100

46 70.6 19.0 75.8





#15

Acetone

Concen: 3.213 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Instrument :

MSVOA_L

ClientSampled :

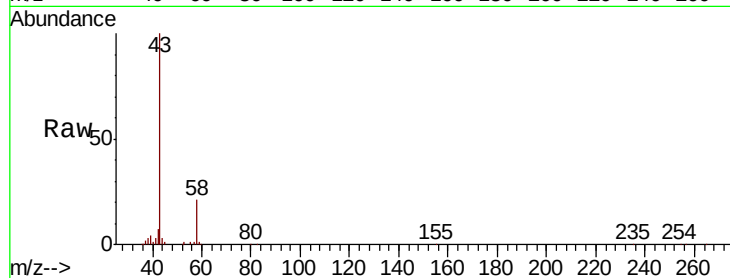
IA-5DL2

Tot Ion: 43 Resp: 471381

Ion Ratio Lower Upper

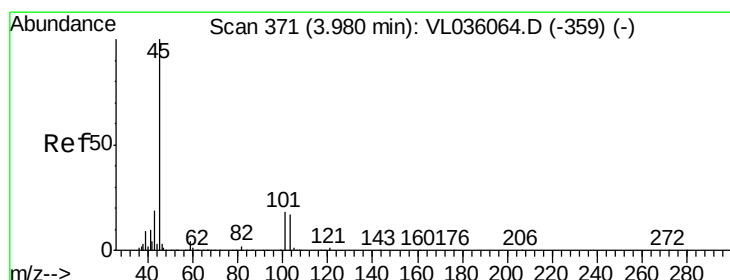
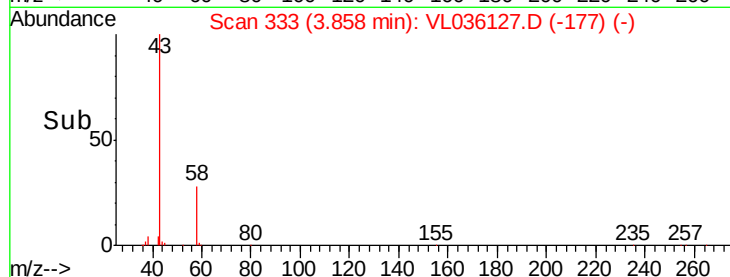
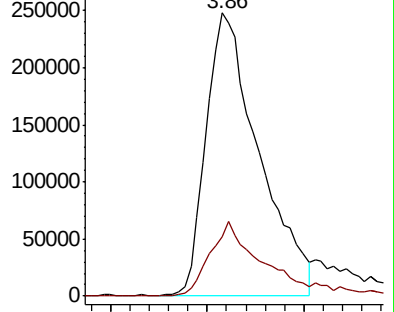
43 100

58 28.8 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.403 ppbv

RT: 4.00 min Scan# 376

Delta R.T. 0.02 min

Lab File: VL036127.D

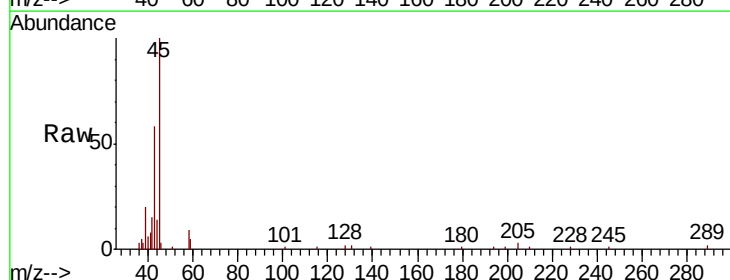
Acq: 9 Dec 2020 12:17

Tgt Ion: 45 Resp: 36118

Ion Ratio Lower Upper

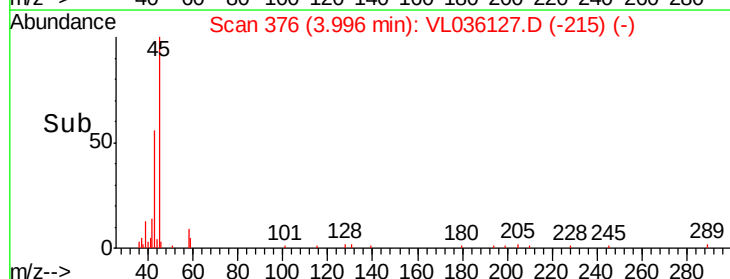
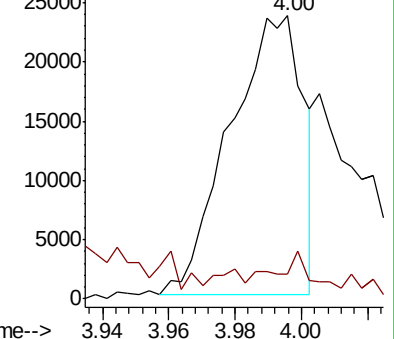
45 100

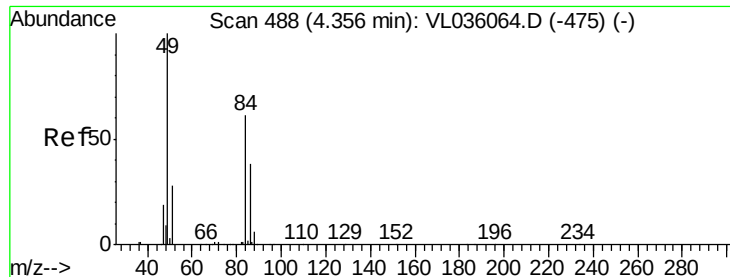
58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

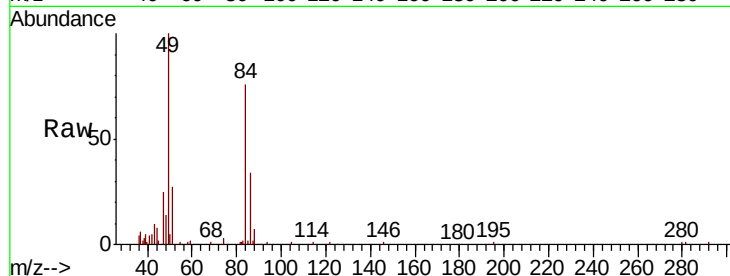




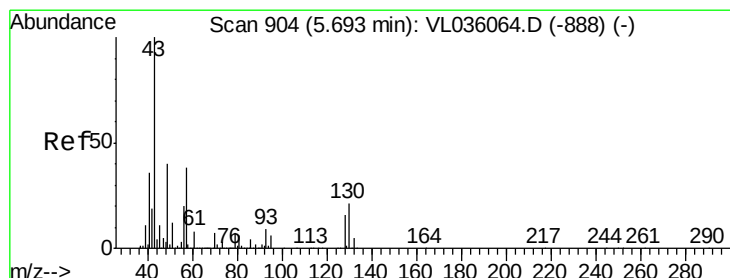
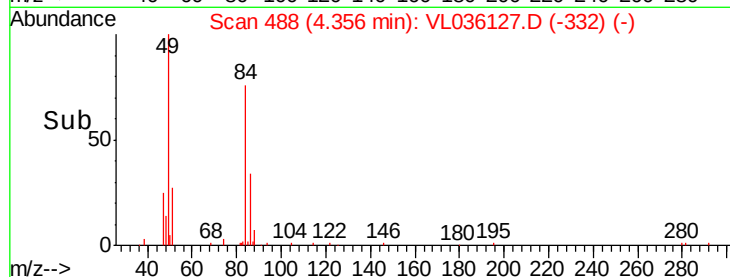
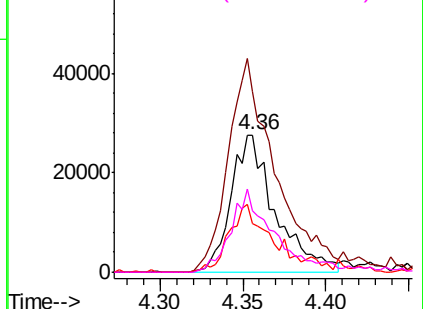
#20
Methylene Chloride
Concen: 0.854 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.00 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL2

Tot Ion:	84	Resp:	51355
Ion	Ratio	Lower	Upper
84	100		
49	131.3	133.0	199.4#
51	35.2	38.9	58.3#
86	44.9	48.8	73.2#

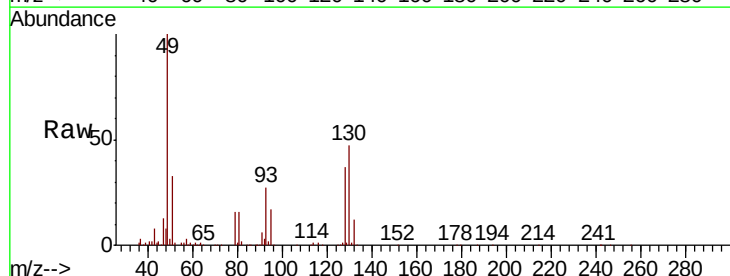


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

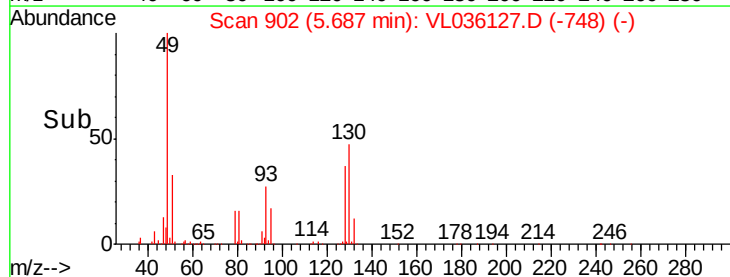
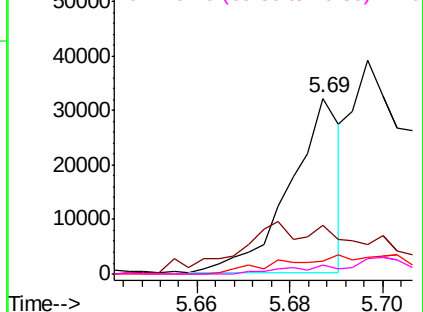


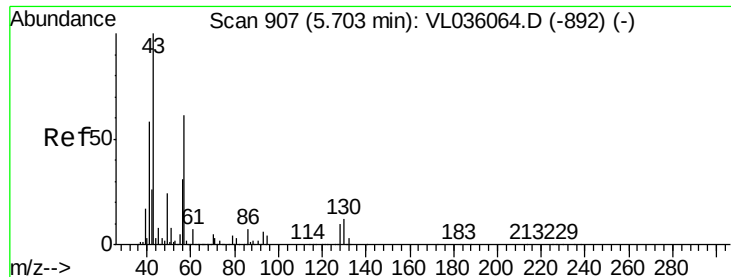
#25
Ethyl Acetate
Concen: 0.082 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Tgt Ion:	43	Resp:	23910
Ion	Ratio	Lower	Upper
43	100		
45	88.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.243 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL2

Tot Ion: 57 Resp: 31991

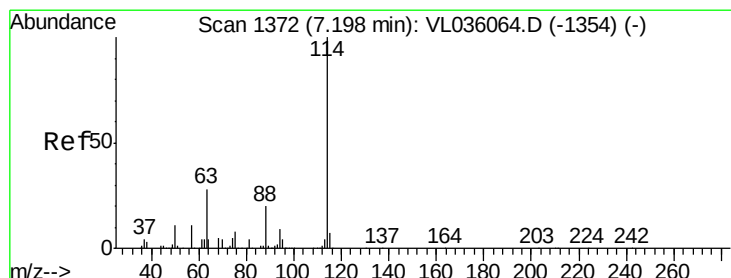
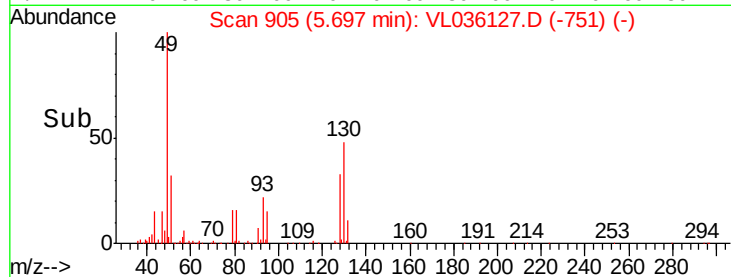
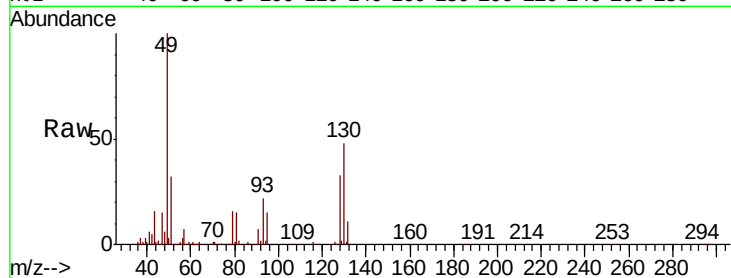
Ion	Ratio	Lower	Upper
57	100		
41	116.4	82.9	124.3
43	257.9	199.9	299.9
56	61.1	43.1	64.7

Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

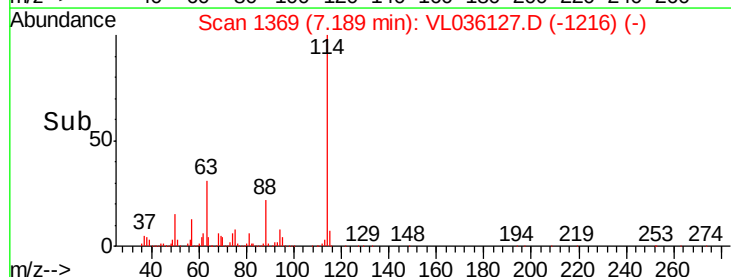
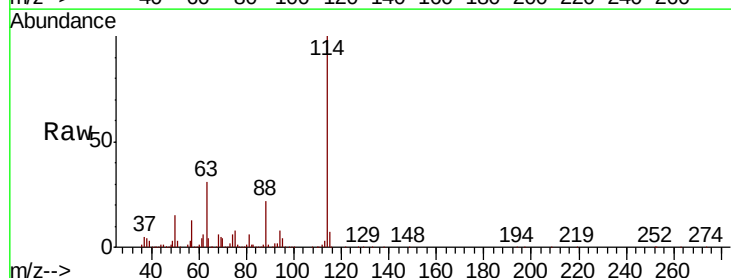
Tgt Ion: 114 Resp: 2495558

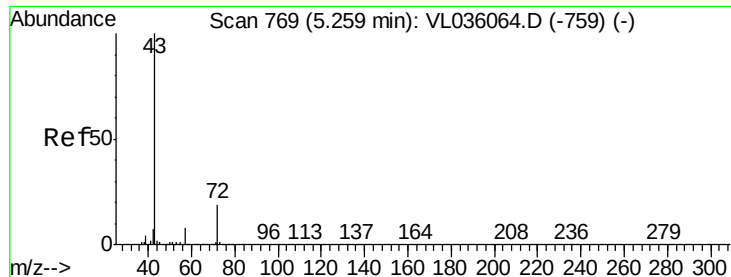
Ion	Ratio	Lower	Upper
114	100		
63	32.9	23.6	35.4
88	20.8	15.8	23.6

Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

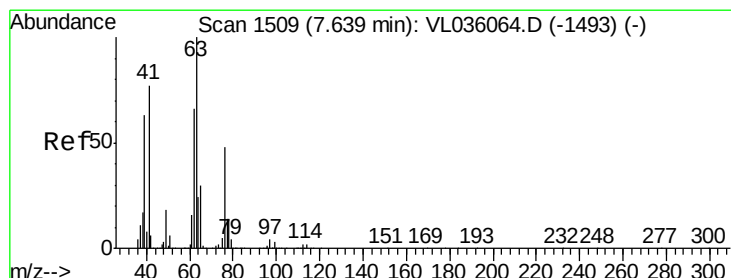
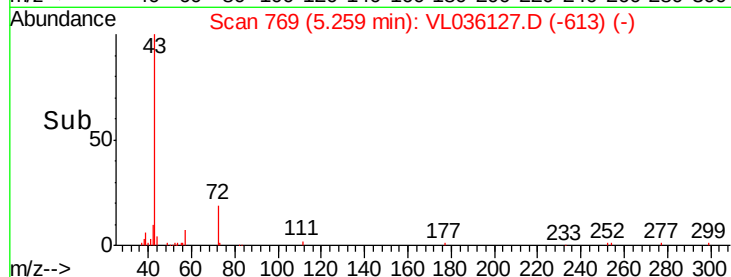
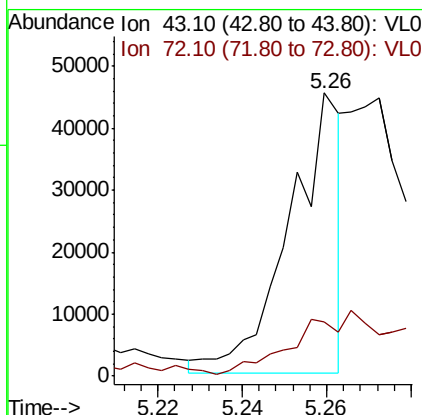
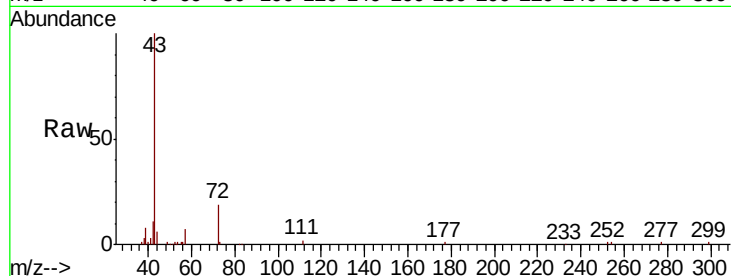




#34
2-Butanone
Concen: 0.232 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.00 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

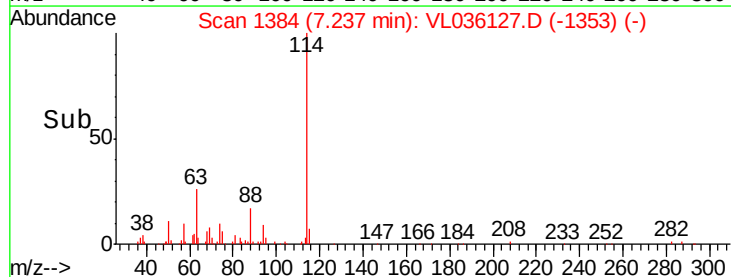
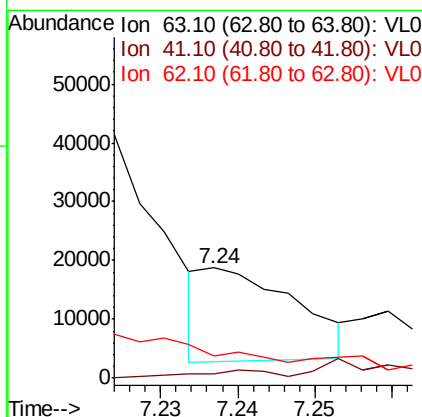
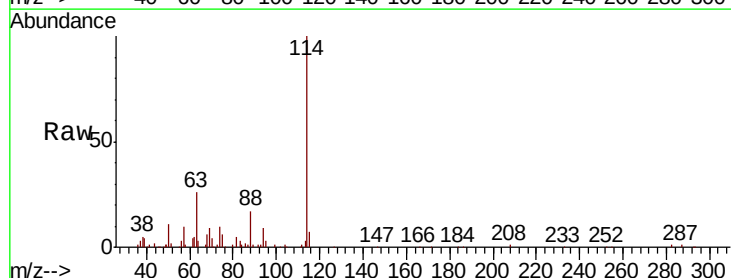
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL2

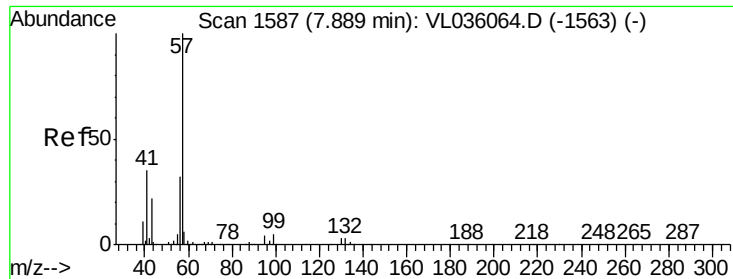
Tot Ion: 43 Resp: 38356
Ion Ratio Lower Upper
43 100
72 65.0 16.5 24.7#



#39
1,2-Dichloropropane
Concen: 0.157 ppbv
RT: 7.24 min Scan# 1384
Delta R.T. -0.40 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Tgt Ion: 63 Resp: 13083
Ion Ratio Lower Upper
63 100
41 0.0 61.9 92.9#
62 1.5 52.5 78.7#

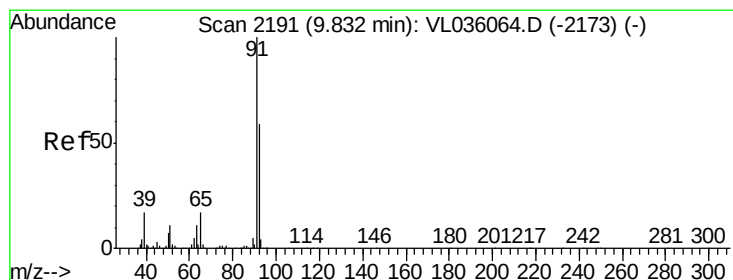
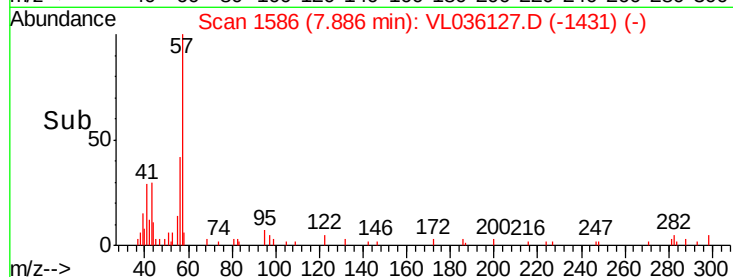
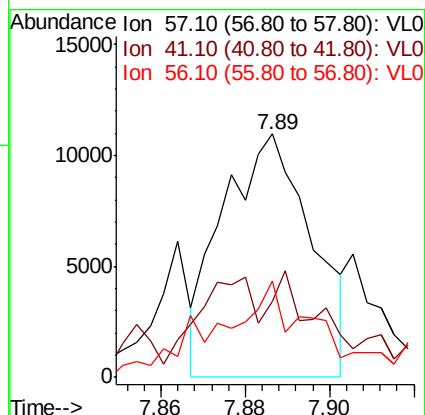
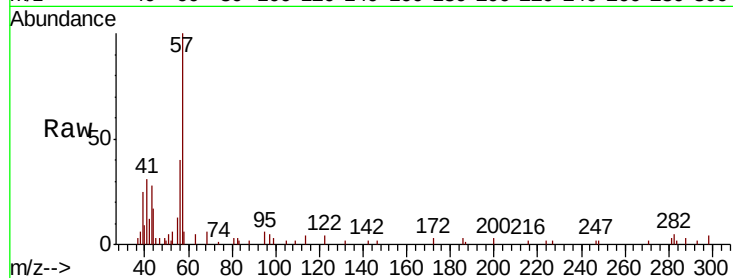




#44
2,2,4-Trimethylpentane
Concen: 0.042 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

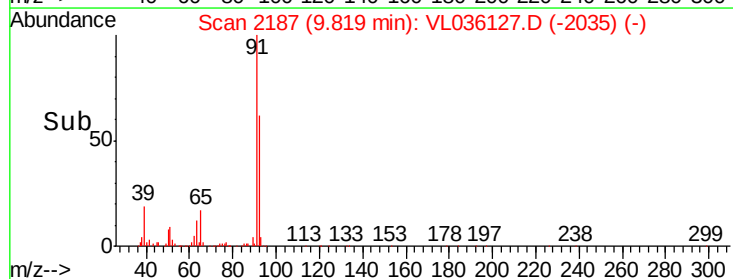
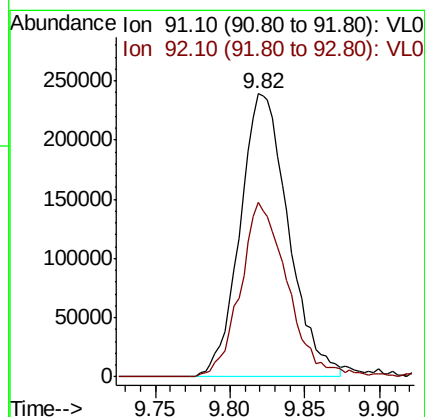
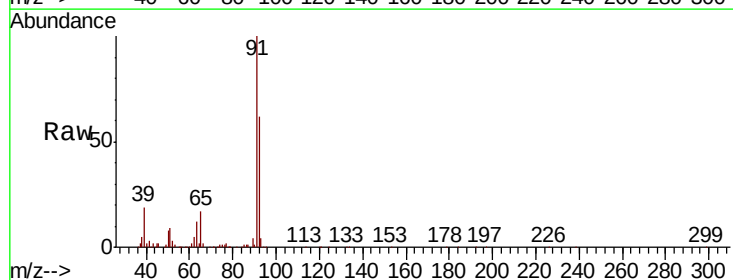
Instrument :
MSVOA_L
ClientSampled :
IA-5DL2

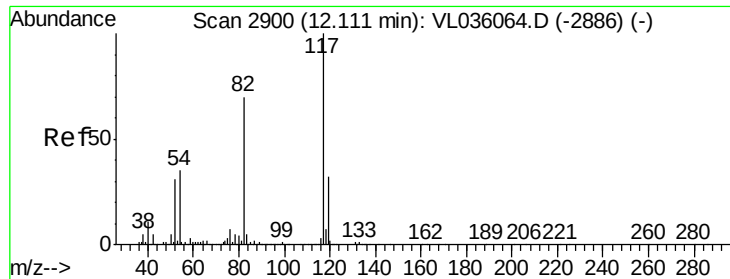
Tot Ion: 57 Resp: 16077
Ion Ratio Lower Upper
57 100
41 72.8 28.9 43.3#
56 63.2 25.3 37.9#



#53
Toluene
Concen: 2.267 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Tgt Ion: 91 Resp: 538418
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.2

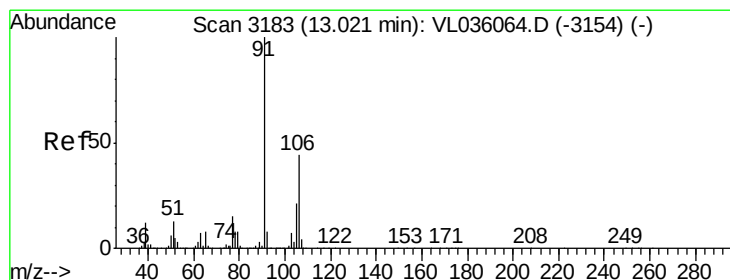
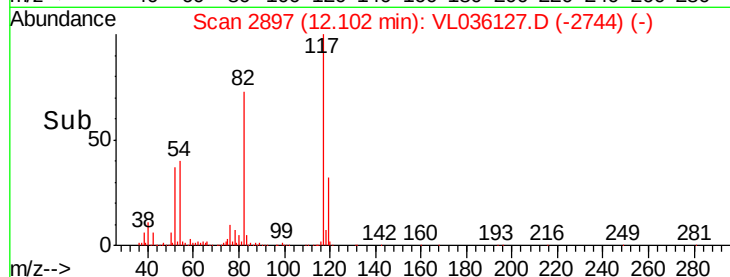
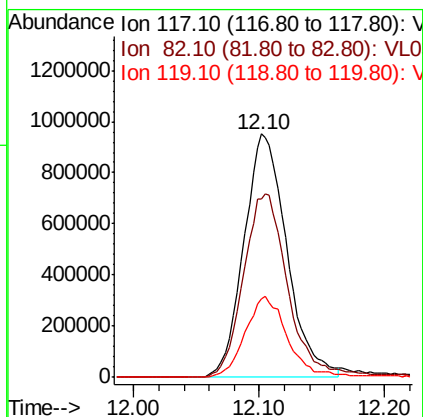
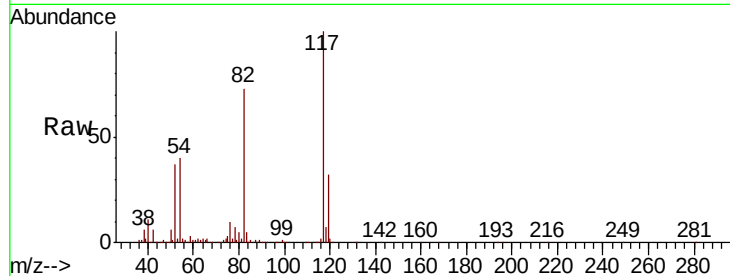




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

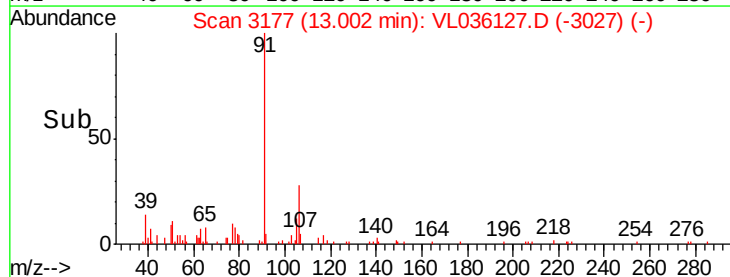
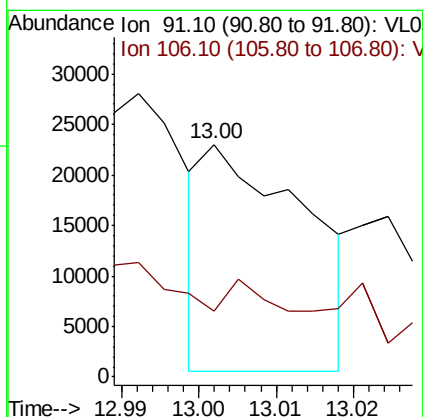
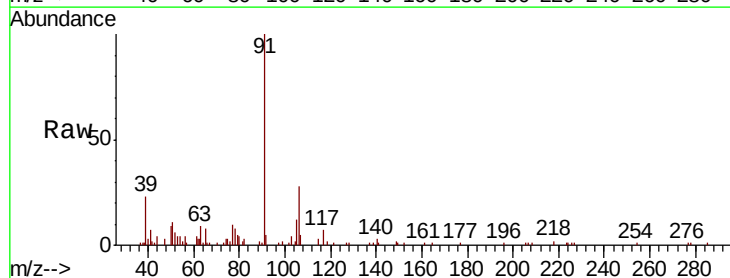
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL2

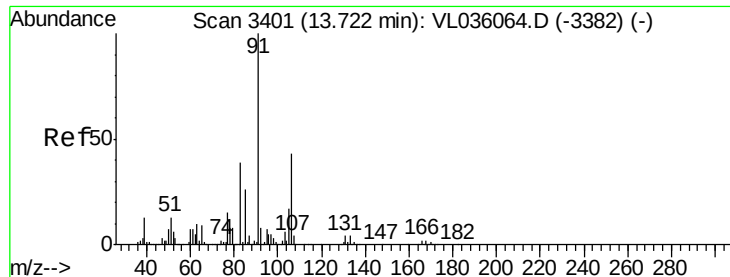
Tot Ion:117 Resp: 2264636
Ion Ratio Lower Upper
117 100
82 80.4 0.0 0.0#
119 33.3 0.0 0.0#



#59
m/p-Xylene
Concen: 0.079 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.02 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Tgt Ion: 91 Resp: 20558
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

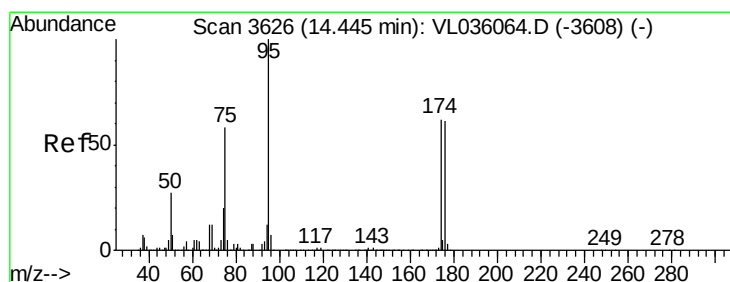
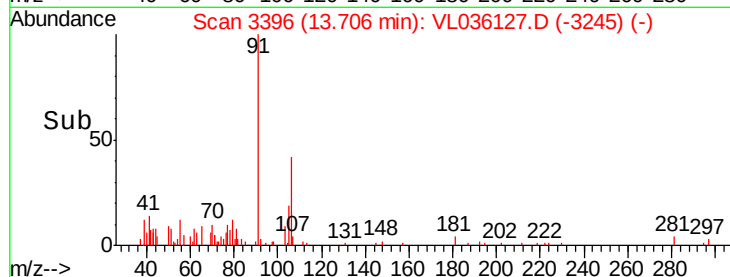
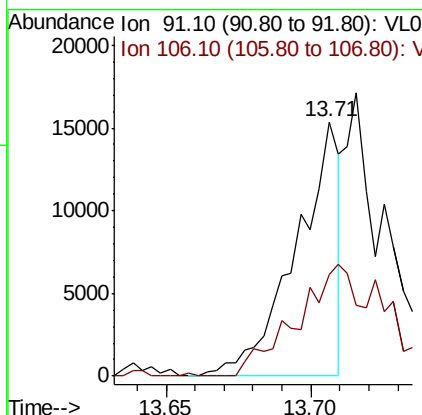
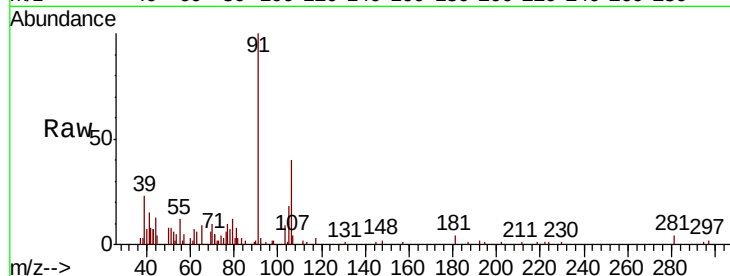




#60
o-Xylene
Concen: 0.065 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL2

Tot Ion: 91 Resp: 16062
Ion Ratio Lower Upper
91 100
106 93.5 21.6 64.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.915 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Tgt Ion: 95 Resp: 1962806
Ion Ratio Lower Upper
95 100
174 56.7 50.7 76.1
175 4.1 4.0 6.0

