

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036197.D
 Acq On : 23 Dec 2020 18:11
 Operator : SY/AP
 Sample : L5196-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG2DL

Quant Time: Dec 24 05:25:40 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	5.64	49	1212878	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2467844	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2218265	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1861061	10.57	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

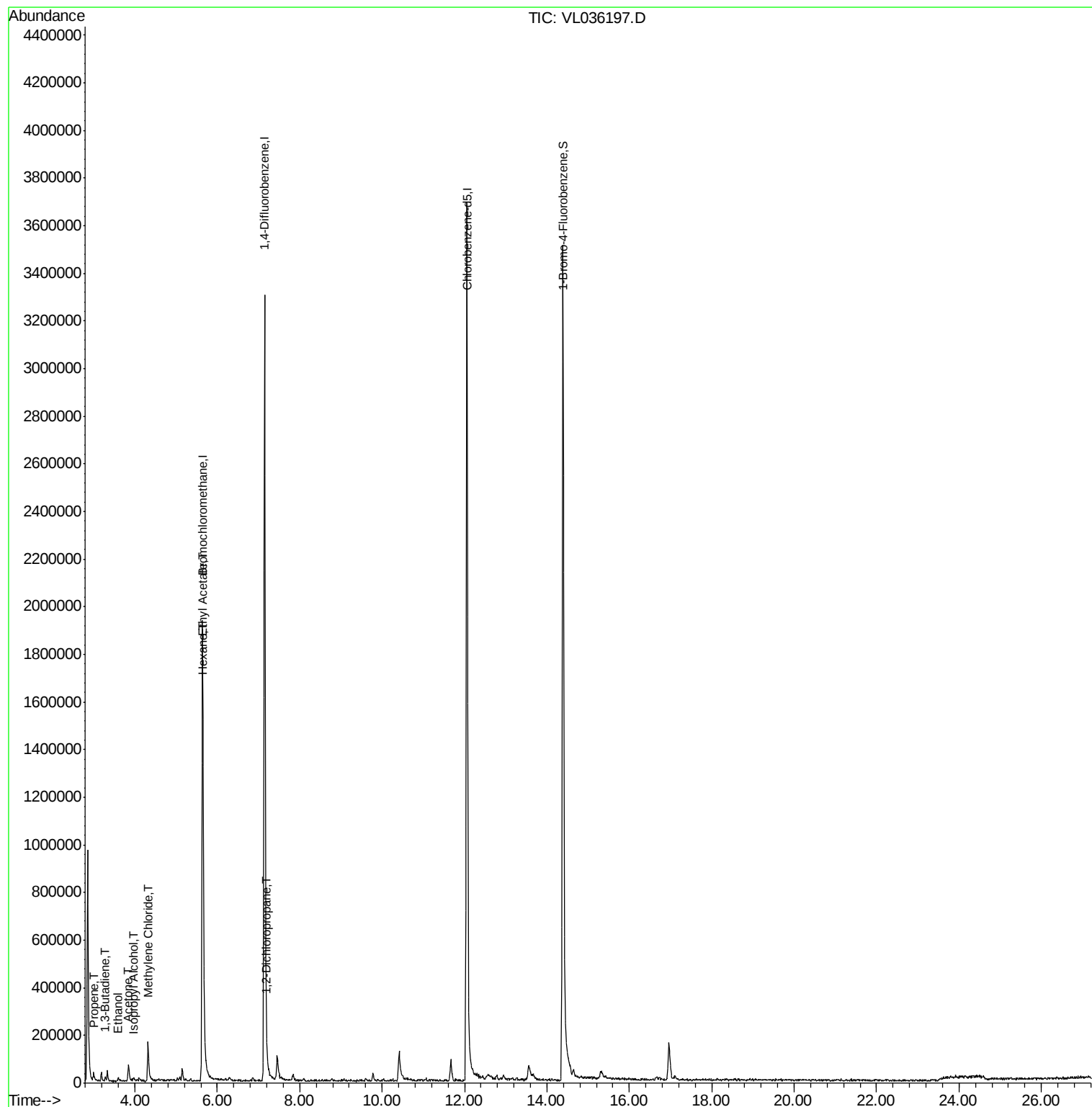
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	7373	0.106	ppbv	88
13) Ethanol	3.58	45	4969	0.520	ppbv #	29
15) Acetone	3.83	43	21384	0.147	ppbv #	49
16) 1,3-Butadiene	3.29	39	4082	0.056	ppbv #	11
19) Isopropyl Alcohol	3.96	45	4691	0.053	ppbv #	100
20) Methylene Chloride	4.32	84	54536	0.913	ppbv #	80
25) Ethyl Acetate	5.66	43	42231	0.145	ppbv #	78
26) Hexane	5.66	57	115070	0.878	ppbv #	40
39) 1,2-Dichloropropane	7.21	63	7827	0.095	ppbv #	22

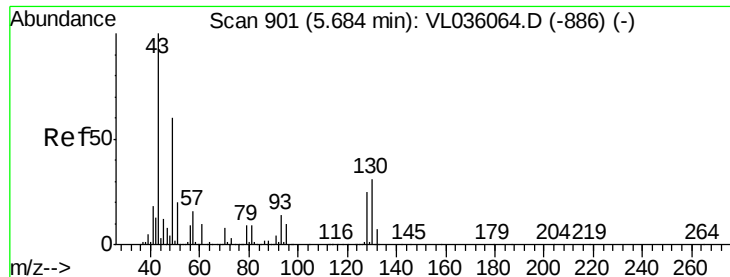
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122320\
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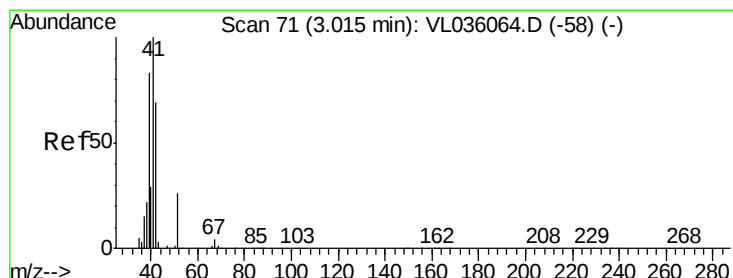
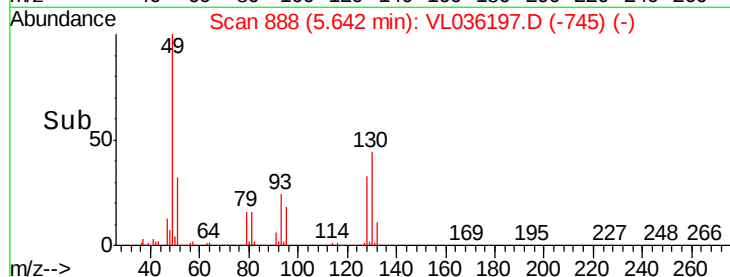
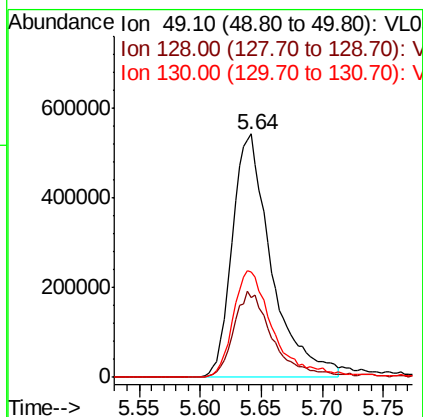
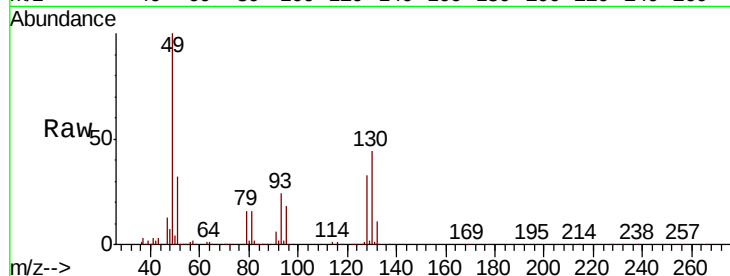




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.04 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

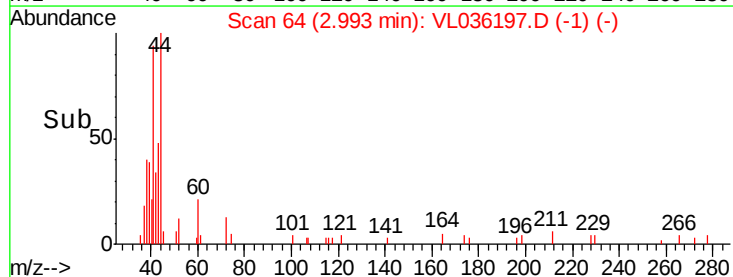
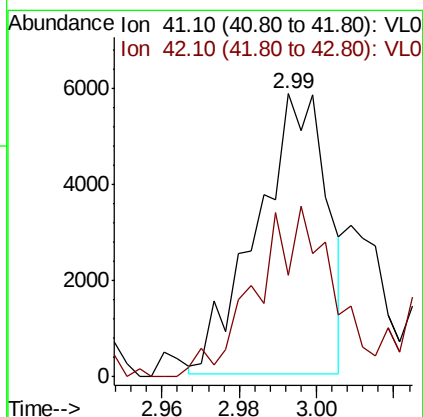
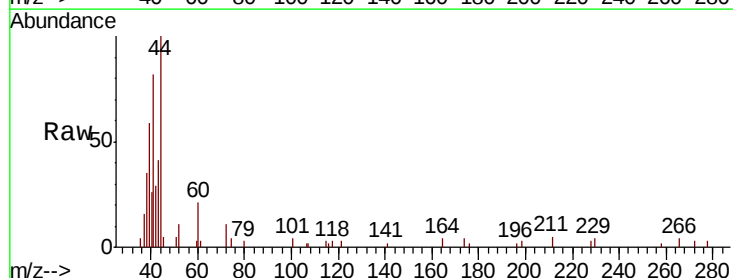
Instrument :
MSVOA_L
ClientSampleId :
SSSG2DL

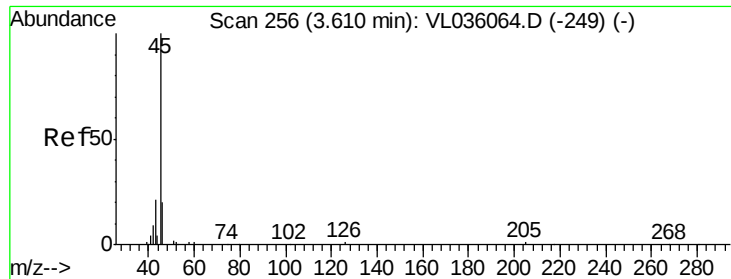
Tot Ion: 49 Resp: 1212878
Ion Ratio Lower Upper
49 100
128 36.2 21.1 63.1
130 46.6 27.1 81.3



#9
Propene
Concen: 0.106 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.02 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

Tgt Ion: 41 Resp: 7373
Ion Ratio Lower Upper
41 100
42 81.6 57.0 85.6

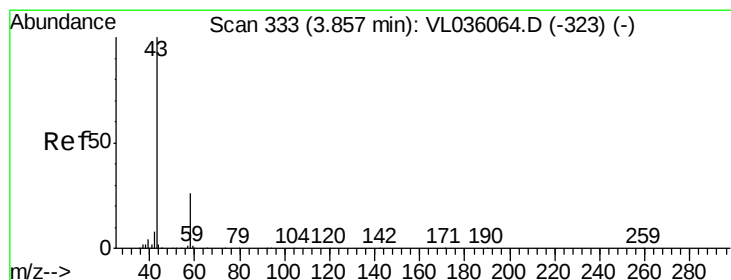
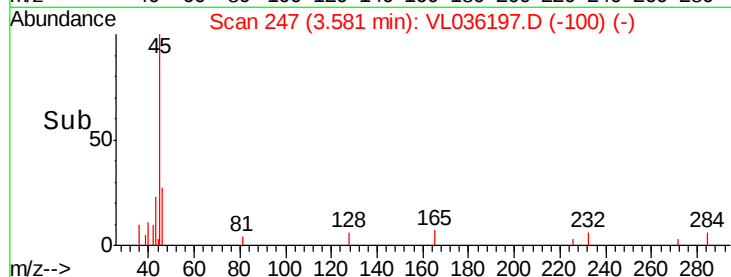
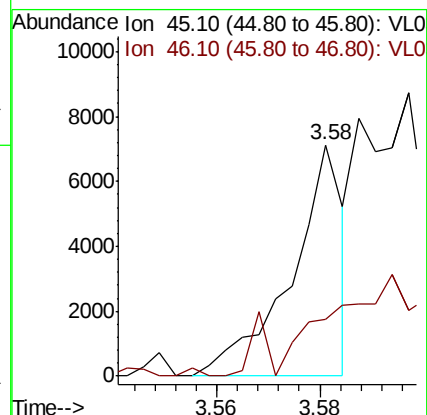
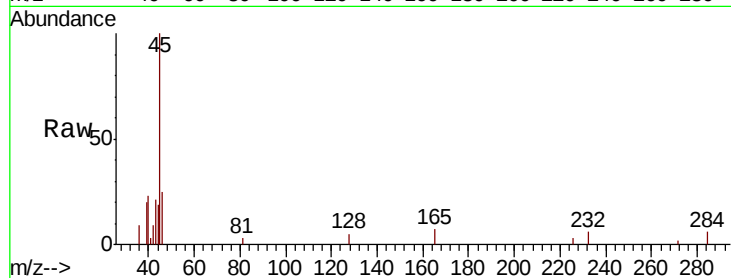




#13
Ethanol
Concen: 0.520 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.03 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

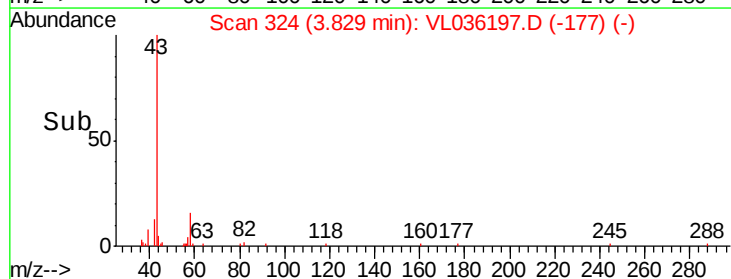
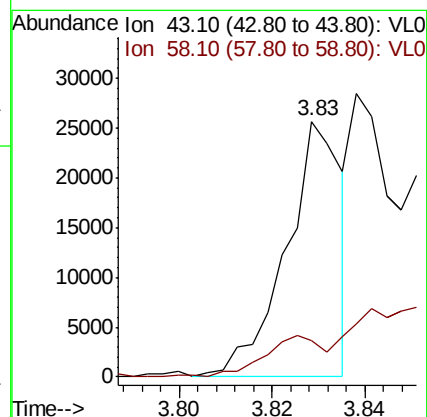
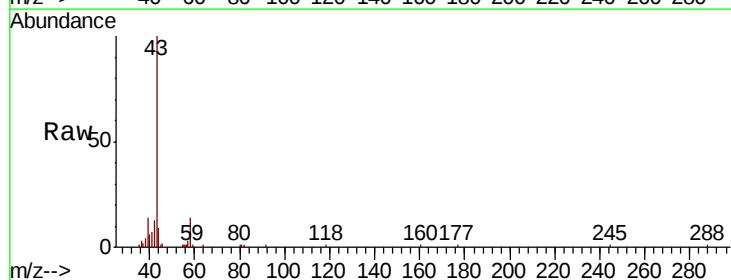
Instrument :
MSVOA_L
ClientSampleId :
SSSG2DL

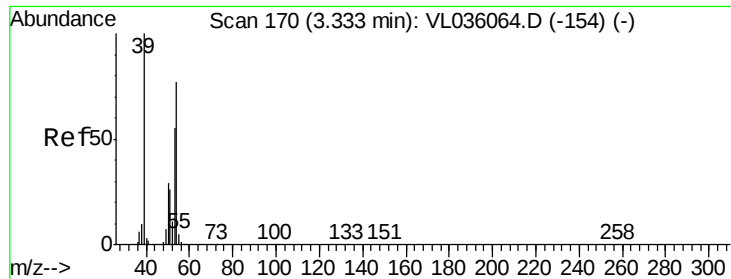
Tot Ion: 45 Resp: 4969
Ion Ratio Lower Upper
45 100
46 0.0 19.0 75.8#



#15
Acetone
Concen: 0.147 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.03 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

Tgt Ion: 43 Resp: 21384
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#

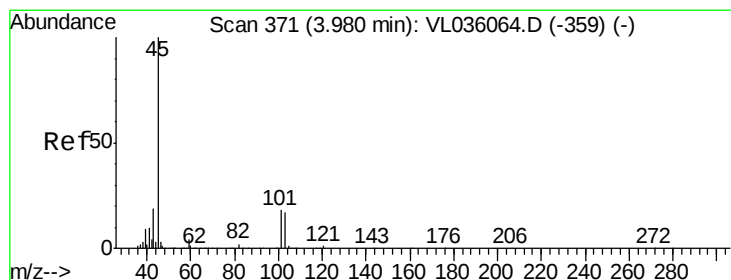
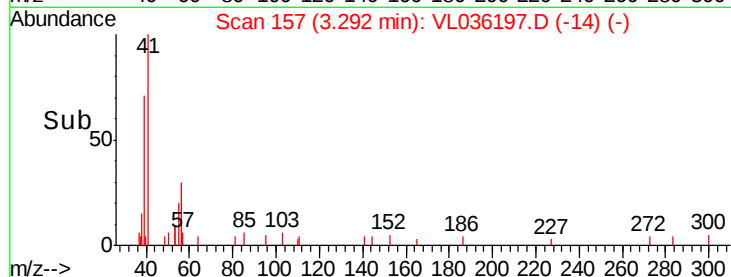
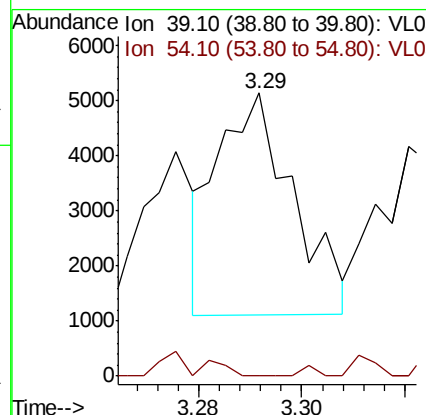
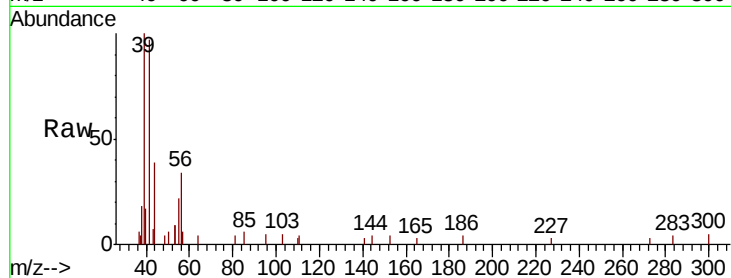




#16
 1,3-Butadiene
 Concen: 0.056 ppbv
 RT: 3.29 min Scan# 157
 Delta R.T. -0.04 min
 Lab File: VL036197.D
 Acq: 23 Dec 2020 18:11

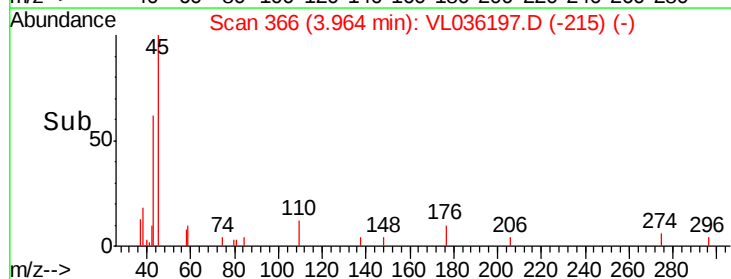
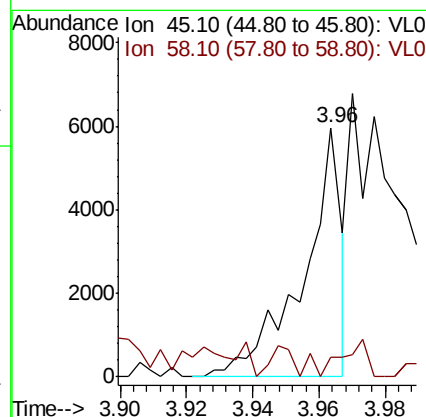
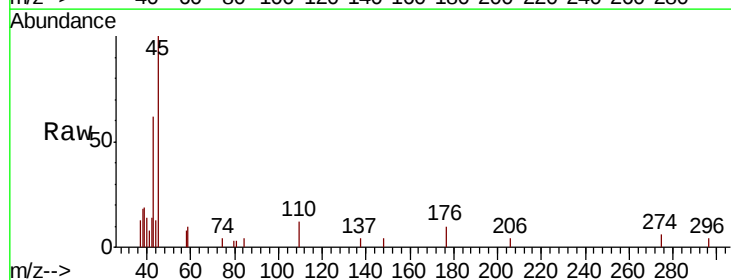
Instrument :
 MSVOA_L
 ClientSampled :
 SSSG2DL

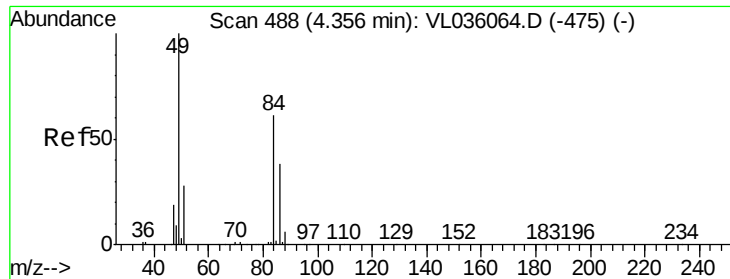
Tot Ion: 39 Resp: 4082
 Ion Ratio Lower Upper
 39 100
 54 0.0 62.1 93.1#



#19
 Isopropyl Alcohol
 Concen: 0.053 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. -0.02 min
 Lab File: VL036197.D
 Acq: 23 Dec 2020 18:11

Tgt Ion: 45 Resp: 4691
 Ion Ratio Lower Upper
 45 100
 58 0.0 0.0 0.0

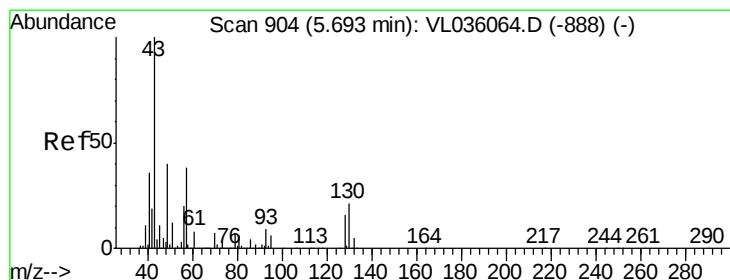
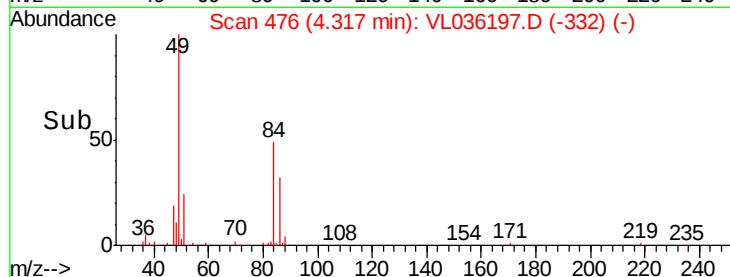
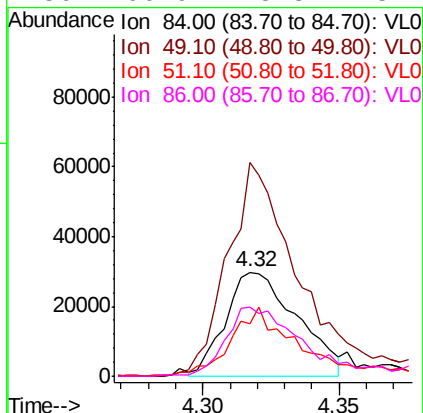
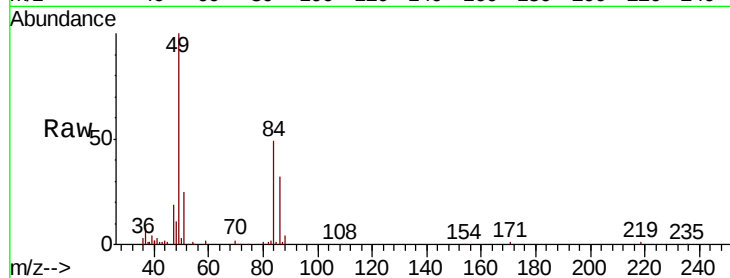




#20
Methvlene Chloride
Concen: 0.913 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.04 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

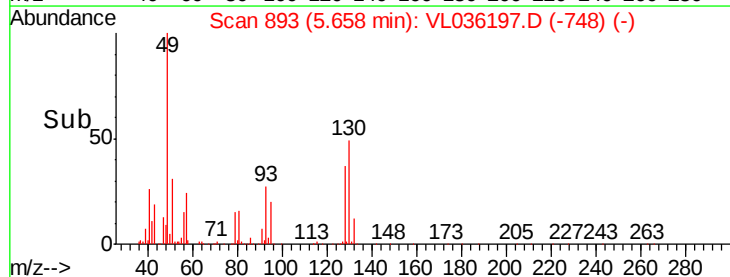
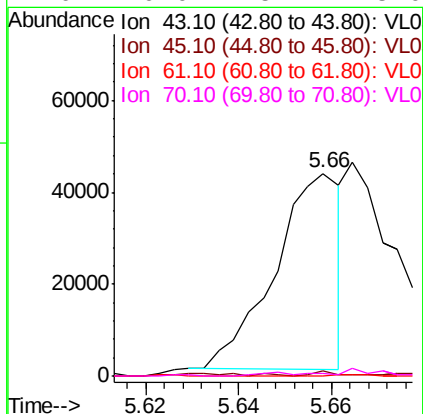
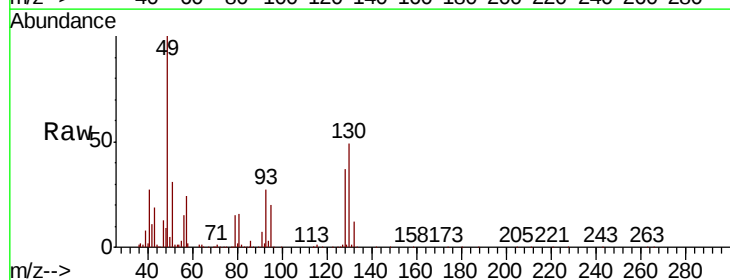
Instrument :
MSVOA_L
ClientSampleId :
SSSG2DL

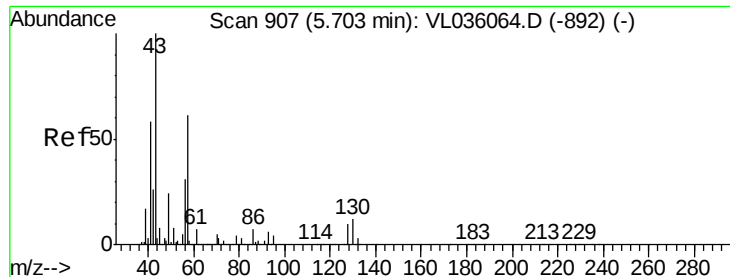
Tot Ion:	84	Resp:	54536
Ion	Ratio	Lower	Upper
84	100		
49	206.9	133.0	199.4#
51	49.5	38.9	58.3
86	66.9	48.8	73.2



#25
Ethyl Acetate
Concen: 0.145 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.04 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

Tgt Ion:	43	Resp:	42231
Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#

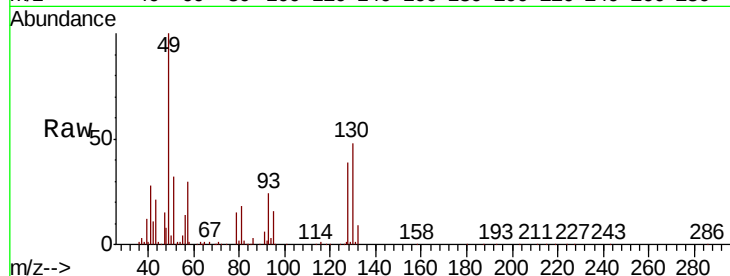




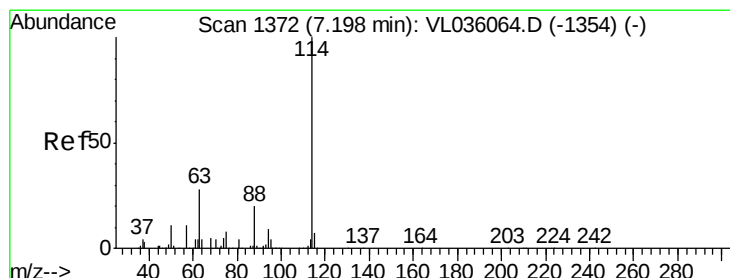
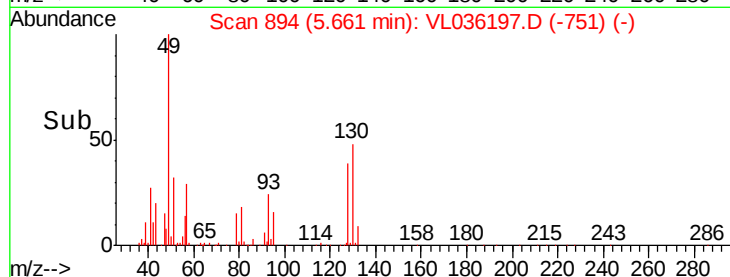
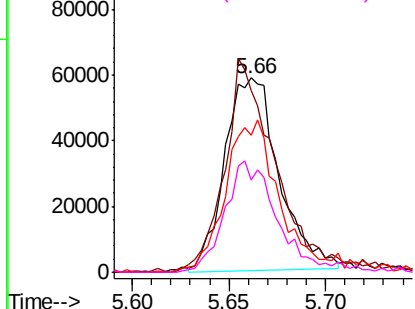
#26
Hexane
Concen: 0.878 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.04 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
SSSG2DL

Tot Ion: 57 Resp: 115070
Ion Ratio Lower Upper
57 100
41 106.7 82.9 124.3
43 82.0 199.9 299.9#
56 56.8 43.1 64.7

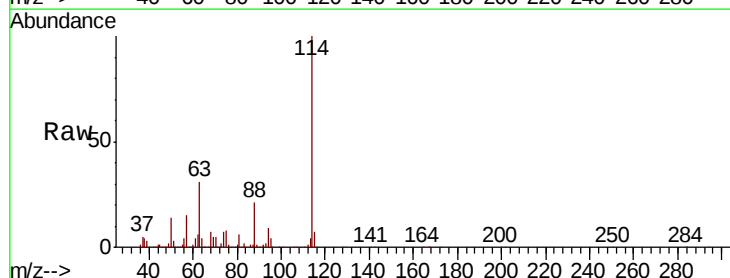


Abundance Ion 57.10 (56.80 to 57.80): VL0
100000 Ion 41.10 (40.80 to 41.80): VL0
80000 Ion 43.10 (42.80 to 43.80): VL0
60000 Ion 56.10 (55.80 to 56.80): VL0
40000
20000
0

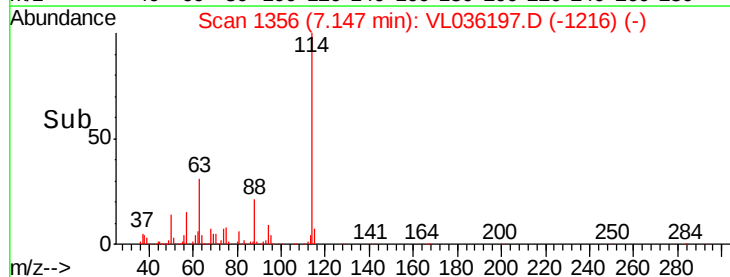
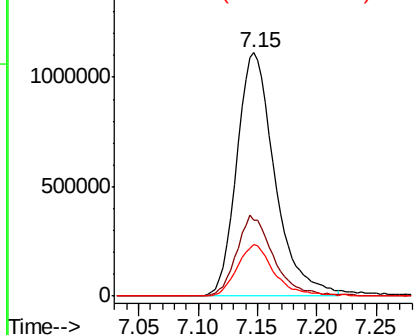


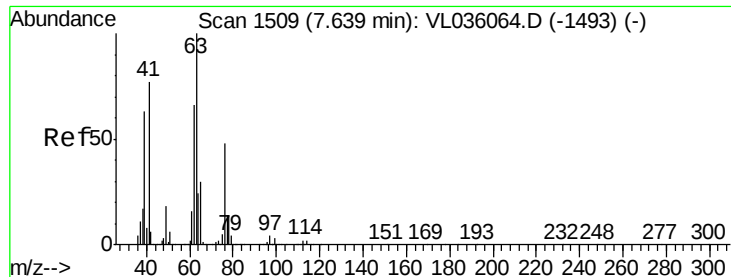
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.05 min
Lab File: VL036197.D
Acq: 23 Dec 2020 18:11

Tgt Ion: 114 Resp: 2467844
Ion Ratio Lower Upper
114 100
63 32.5 23.6 35.4
88 21.1 15.8 23.6



Abundance Ion 114.10 (113.80 to 114.80): V
1500000 Ion 63.10 (62.80 to 63.80): VL0
1000000 Ion 88.10 (87.80 to 88.80): VL0
500000
0

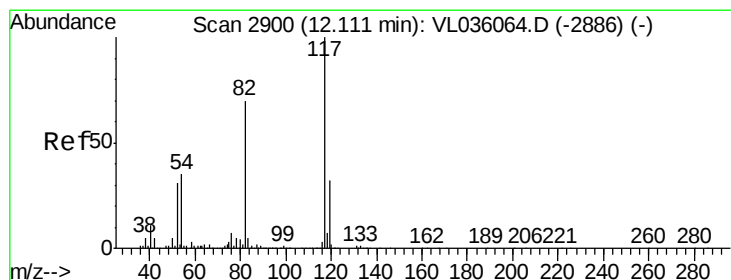
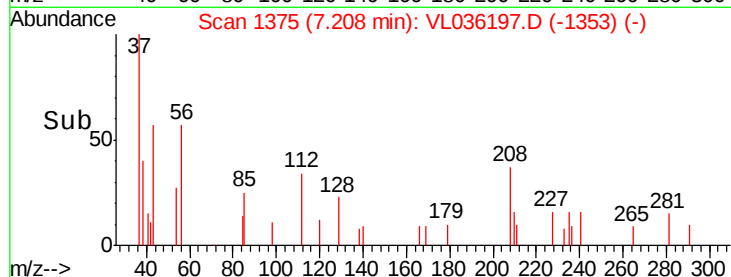
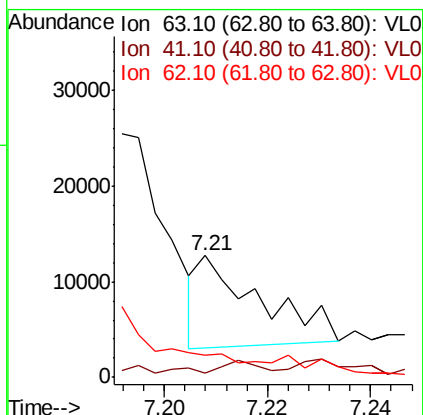
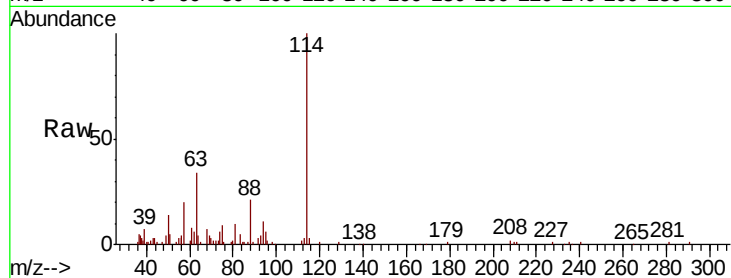




#39
 1,2-Dichloropropane
 Concen: 0.095 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.43 min
 Lab File: VL036197.D
 Acq: 23 Dec 2020 18:11

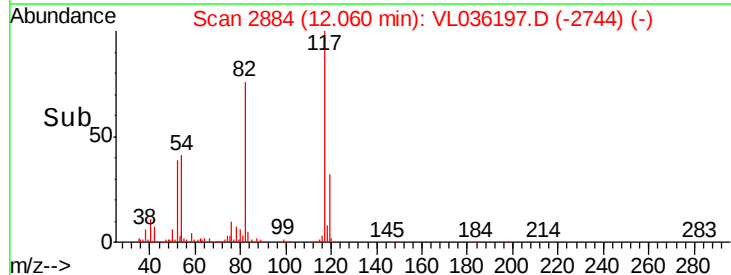
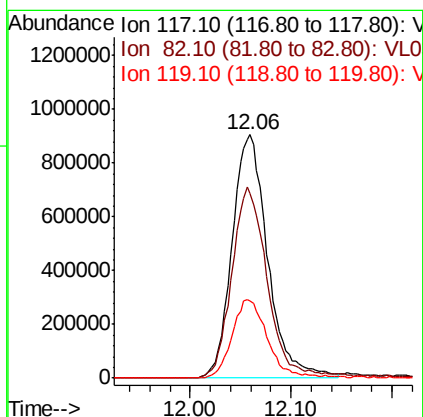
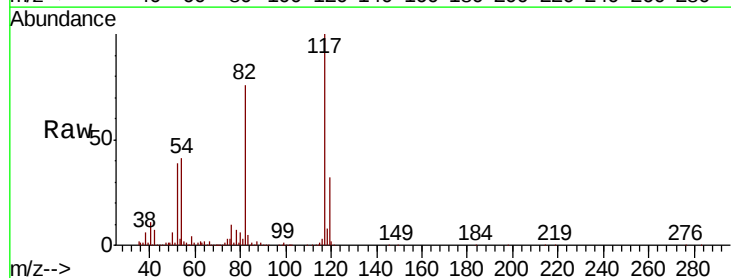
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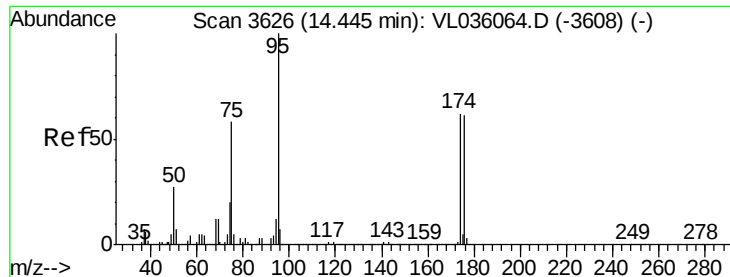
Tot Ion: 63 Resp: 7827
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 14.8 52.5 78.7#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. -0.05 min
 Lab File: VL036197.D
 Acq: 23 Dec 2020 18:11

Tgt Ion: 117 Resp: 2218265
 Ion Ratio Lower Upper
 117 100
 82 80.4 0.0 0.0#
 119 33.1 0.0 0.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.566 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.05 min

Lab File: VL036197.D

Acq: 23 Dec 2020 18:11

Instrument :

MSVOA_L

ClientSampleId :

SSSG2DL

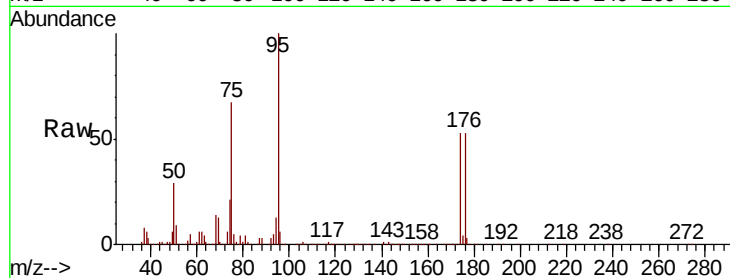
Tot Ion: 95 Resp: 1861061

Ion Ratio Lower Upper

95 100

174 57.4 50.7 76.1

175 4.1 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

