

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038068.D
 Acq On : 19 Nov 2021 00:22
 Operator : SY/AP
 Sample : M4704-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 57-NEONEYDL

Quant Time: Nov 19 07:32:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	826186	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2345774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1998860	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1460591	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

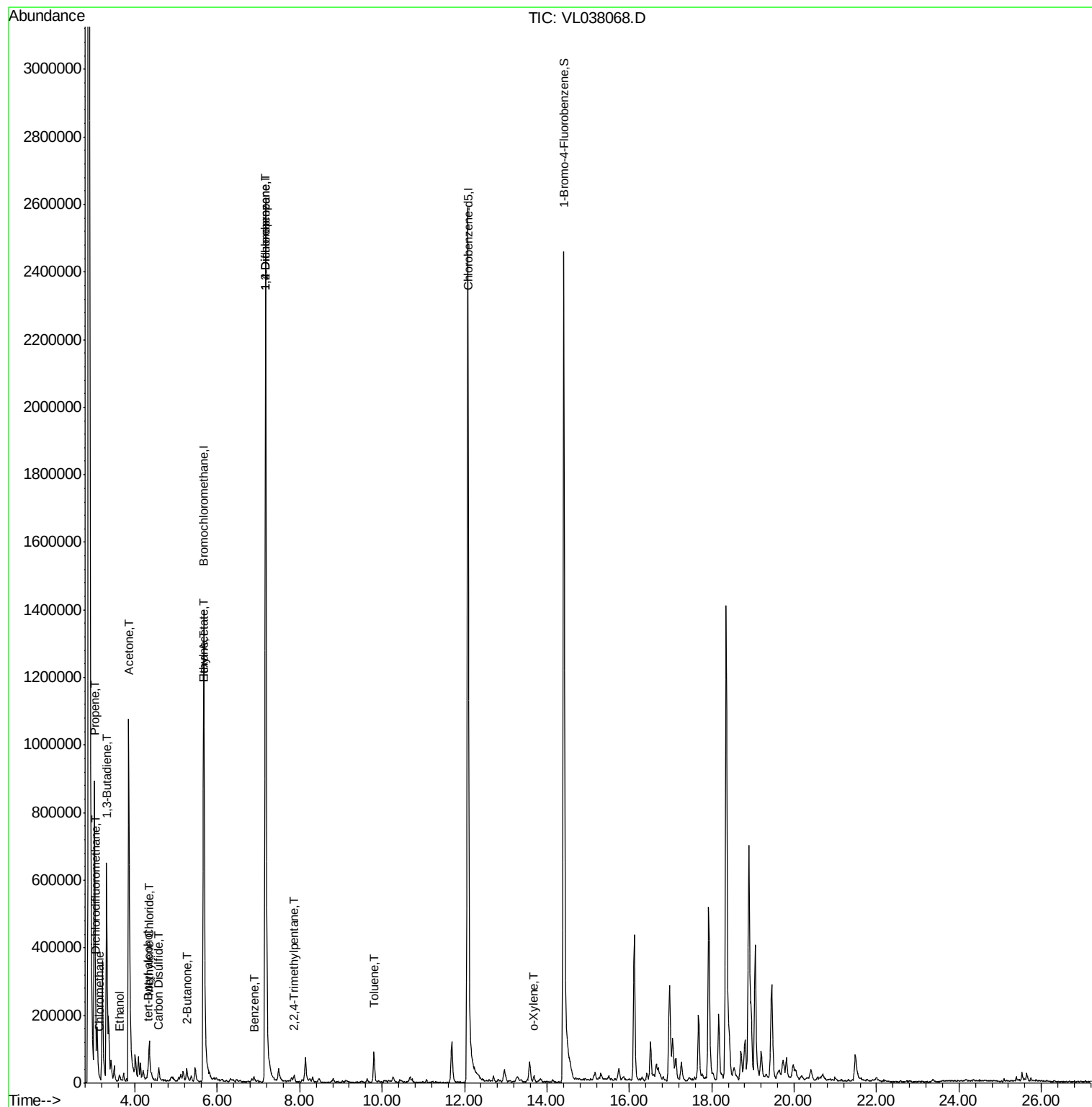
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	6851	0.050	ppbv #	57
4) Chloromethane	3.14	50	1929	0.033	ppbv #	61
9) Propene	3.02	41	484390	7.581	ppbv	99
13) Ethanol	3.61	45	5684	0.920	ppbv #	32
15) Acetone	3.85	43	1505367	21.015	ppbv	98
16) 1,3-Butadiene	3.31	39	214656	3.841	ppbv #	25
17) tert-Butyl alcohol	4.32	59	7314	0.084	ppbv #	71
20) Methylene Chloride	4.35	84	40860	1.018	ppbv	90
25) Ethyl Acetate	5.69	43	27670	0.116	ppbv #	76
26) Hexane	5.69	57	39116	0.341	ppbv #	41
27) Carbon Disulfide	4.55	76	4022	0.039	ppbv #	1
34) 2-Butanone	5.26	43	25651	0.271	ppbv #	36
36) Benzene	6.89	78	5578	0.024	ppbv #	91
39) 1,2-Dichloropropane	7.17	63	568067	6.329	ppbv #	26
44) 2,2,4-Trimethylpentane	7.86	57	8512	0.022	ppbv #	8
53) Toluene	9.80	91	71705	0.266	ppbv	100
60) o-Xylene	13.69	91	6030	0.023	ppbv #	12

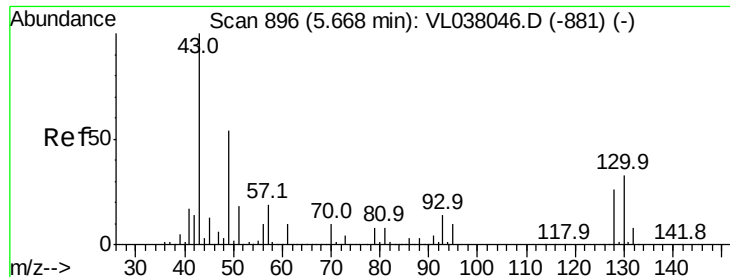
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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57-NEONEYDL

Quant Time: Nov 19 07:32:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
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QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 57-NEONEYDL

Acq: 19 Nov 2021 00:22

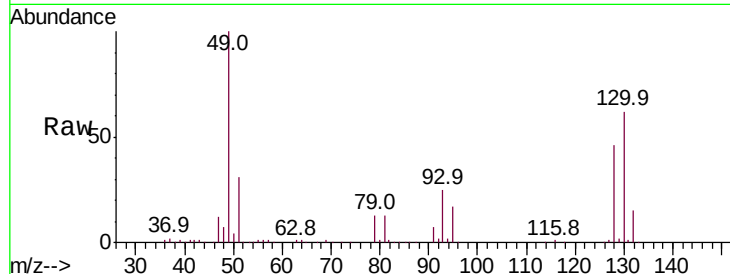
Tot Ion: 49 Resp: 826186

Ion Ratio Lower Upper

49 100

128 48.9 26.5 79.5

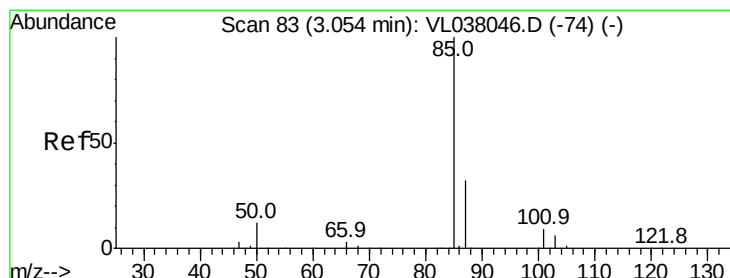
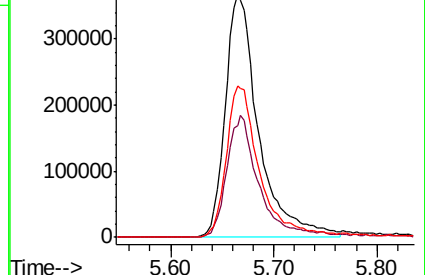
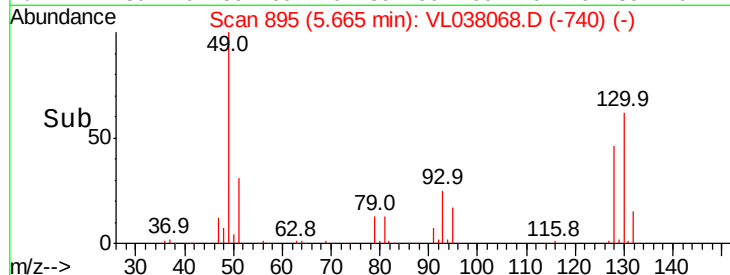
130 63.9 32.5 97.4



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



#2

Dichlorodifluoromethane

Concen: 0.050 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038068.D

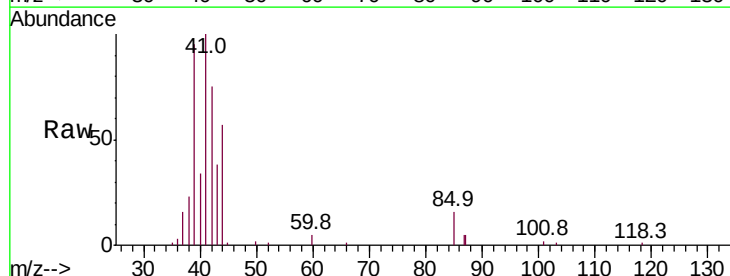
Acq: 19 Nov 2021 00:22

Tgt Ion: 85 Resp: 6851

Ion Ratio Lower Upper

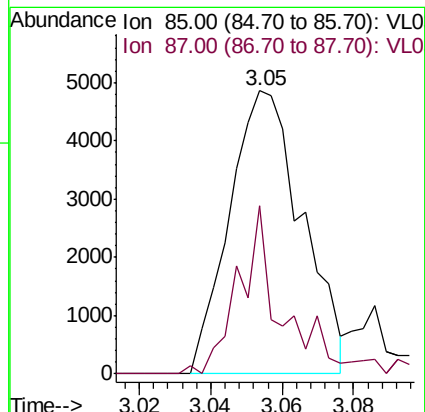
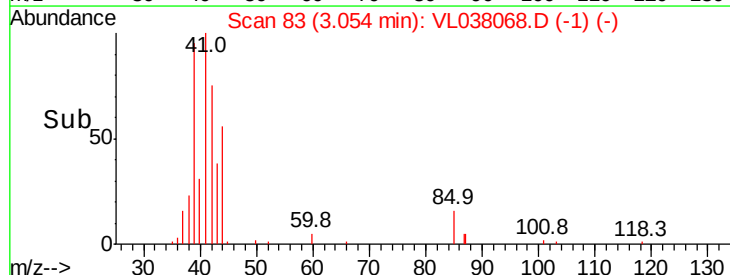
85 100

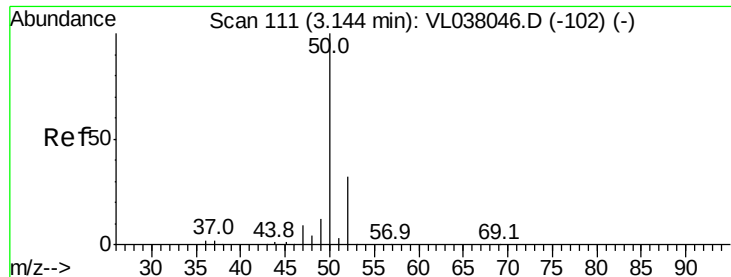
87 56.5 25.8 38.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.033 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

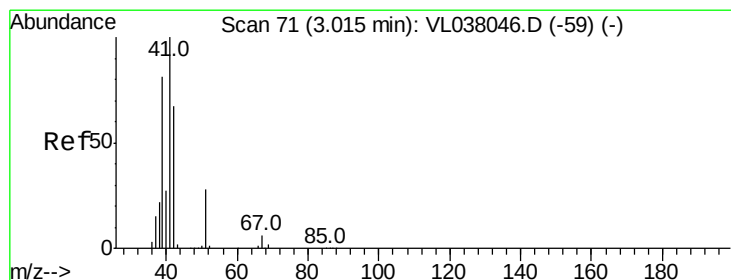
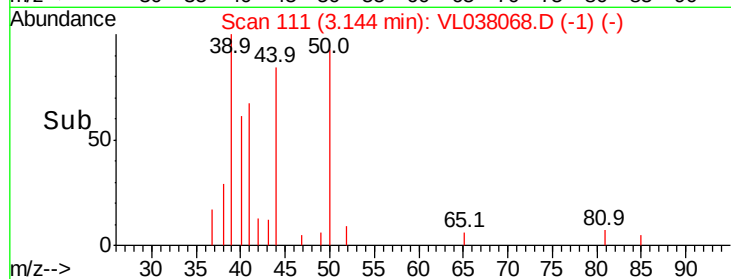
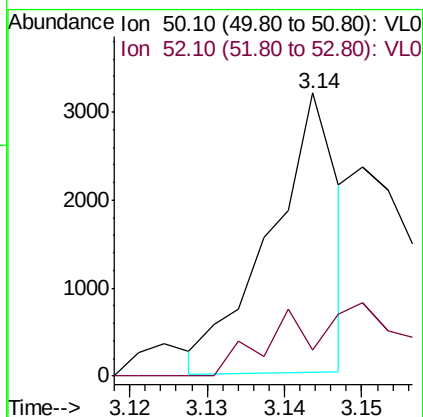
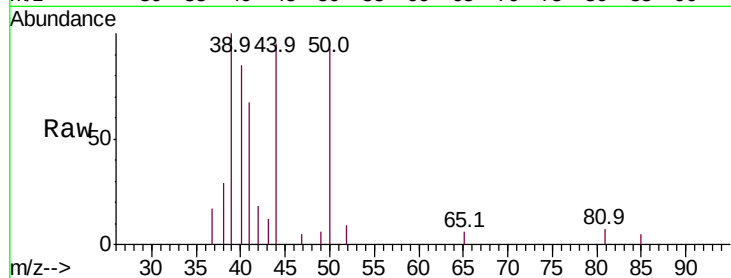
Acq: 19 Nov 2021 00:22

Tot Ion: 50 Resp: 1929

Ion Ratio Lower Upper

50 100

52 10.2 25.4 38.0#



#9

Propene

Concen: 7.581 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038068.D

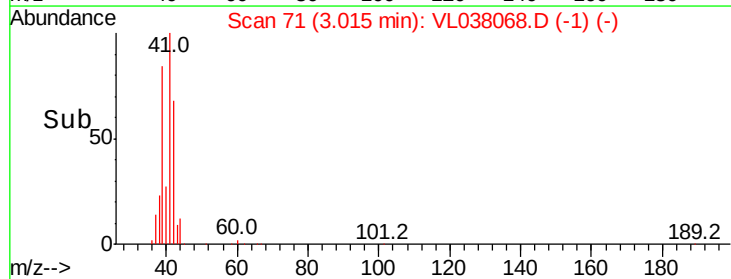
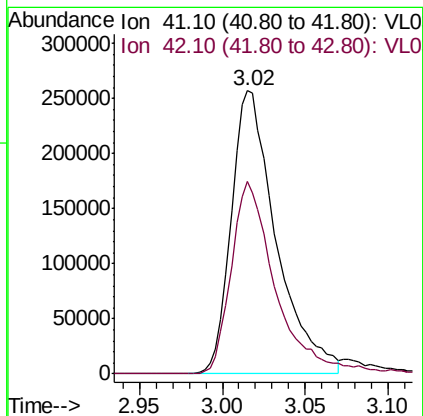
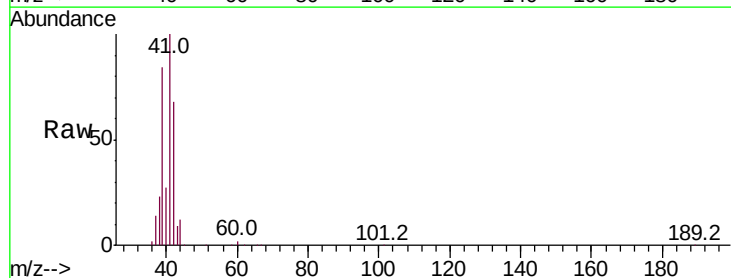
Acq: 19 Nov 2021 00:22

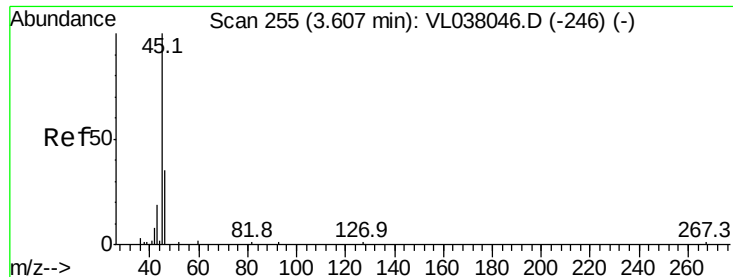
Tgt Ion: 41 Resp: 484390

Ion Ratio Lower Upper

41 100

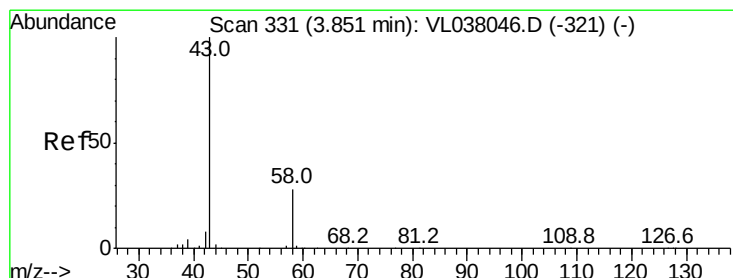
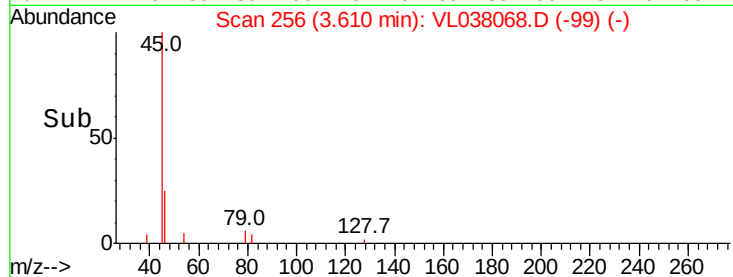
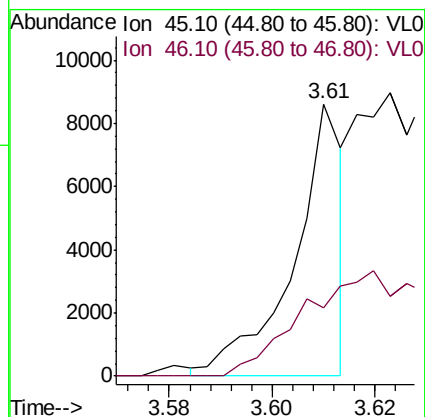
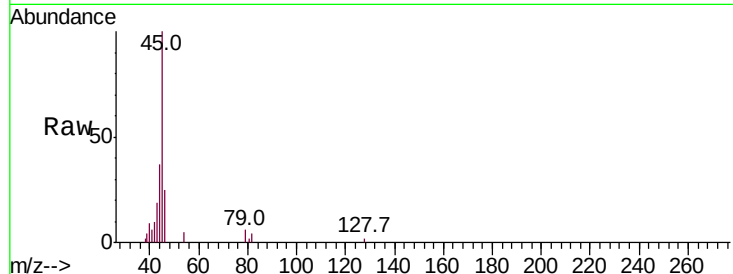
42 67.7 53.8 80.8





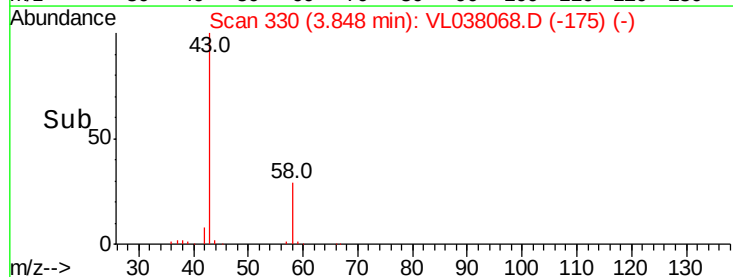
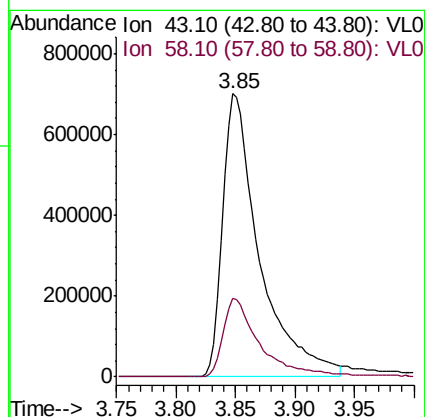
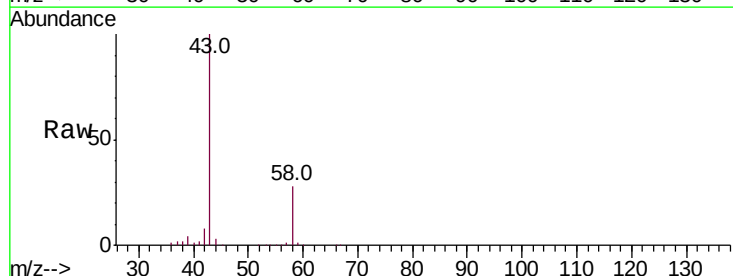
#13
Ethanol
Concen: 0.920 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 19 Nov 2021 00:22

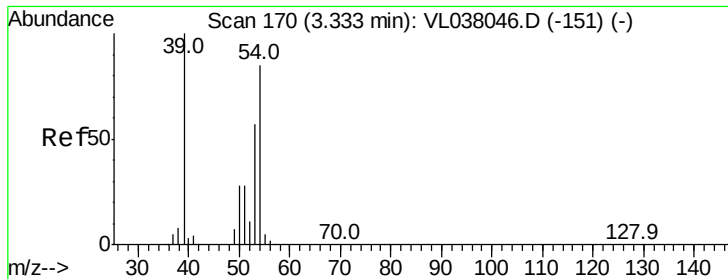
Tot Ion: 45 Resp: 5684
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#15
Acetone
Concen: 21.015 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

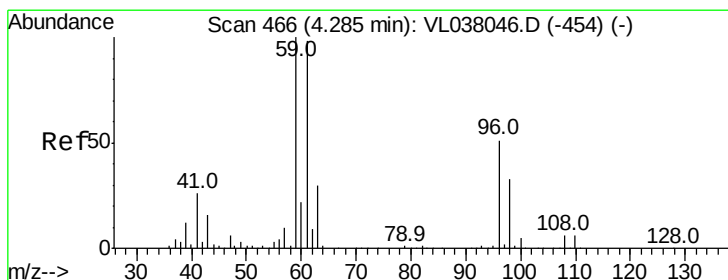
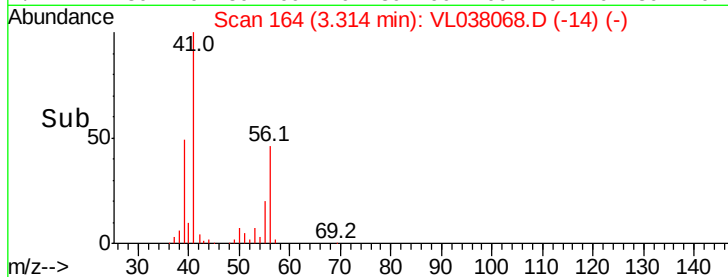
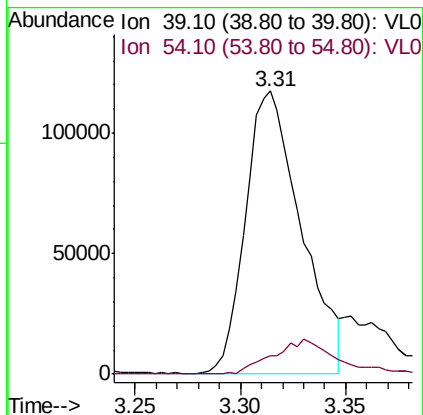
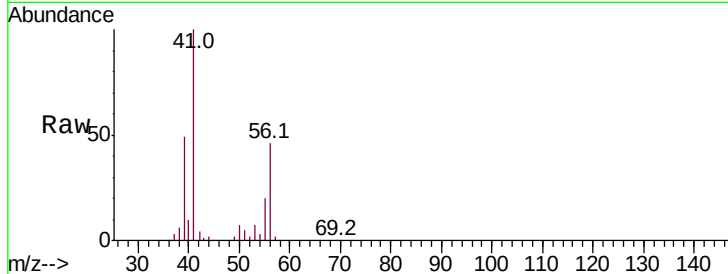
Tgt Ion: 43 Resp: 1505367
Ion Ratio Lower Upper
43 100
58 29.0 22.4 33.6





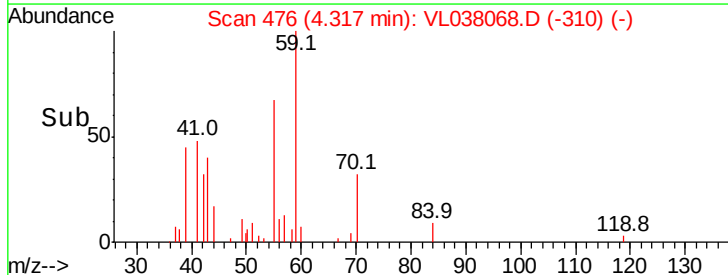
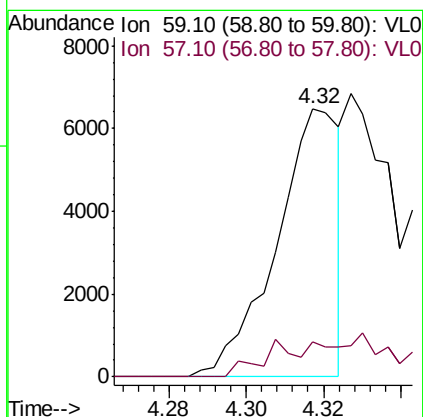
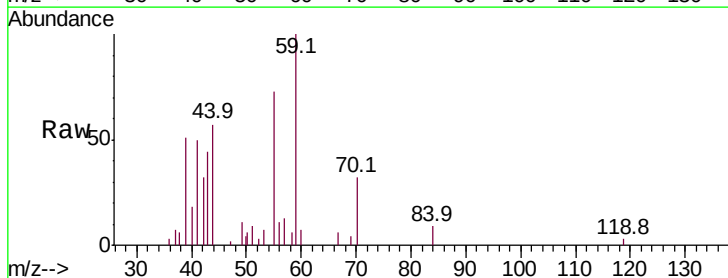
#16
 1,3-Butadiene
 Concen: 3.841 ppbv
 RT: 3.31
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 19 Nov 2021 00:22

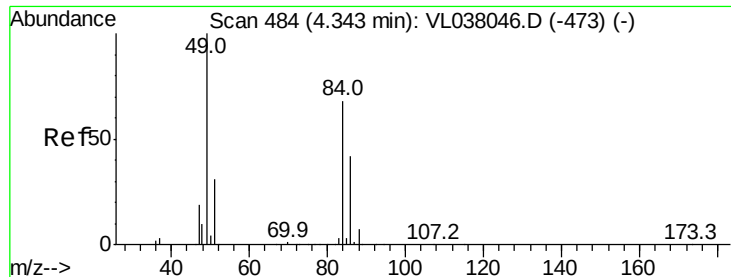
Tot Ion: 39 Resp: 214656
 Ion Ratio Lower Upper
 39 100
 54 14.0 64.4 96.6#



#17
 tert-Butyl alcohol
 Concen: 0.084 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.03 min
 Lab File: VL038068.D
 Acq: 19 Nov 2021 00:22

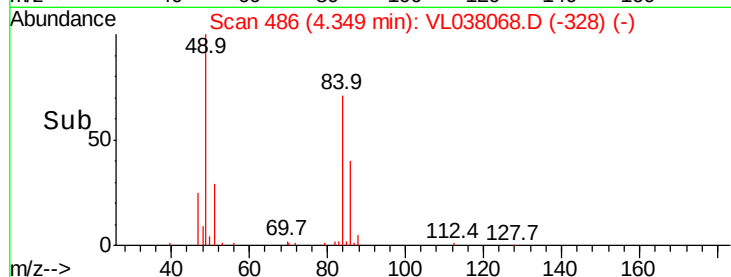
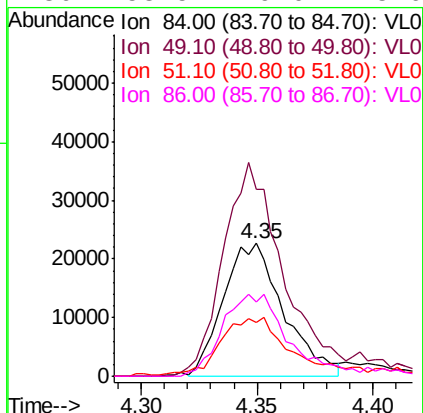
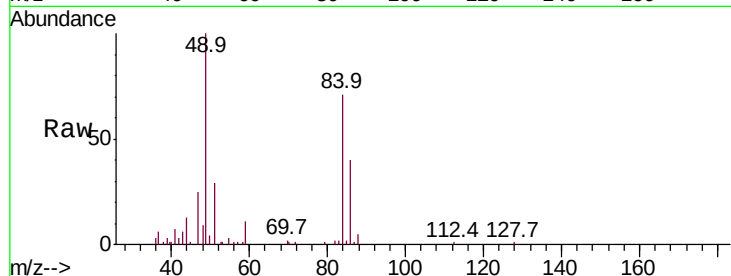
Tgt Ion: 59 Resp: 7314
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#





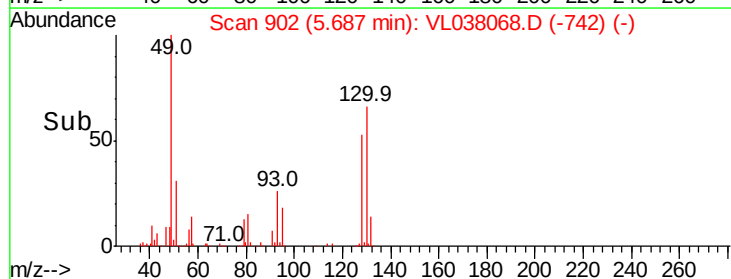
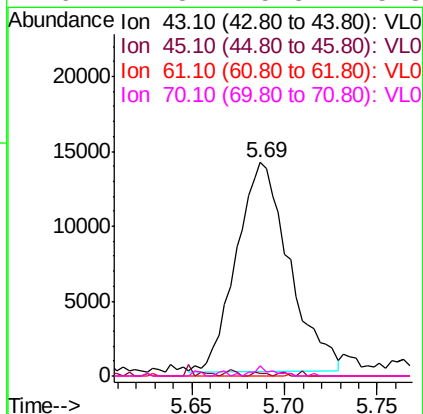
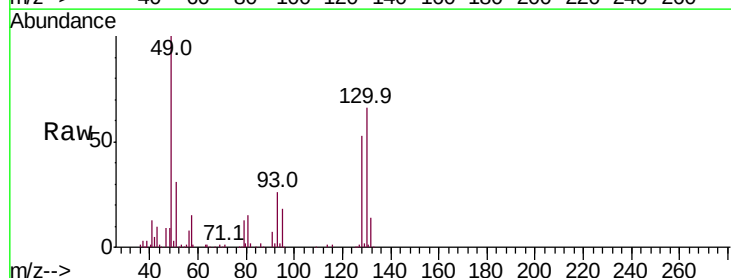
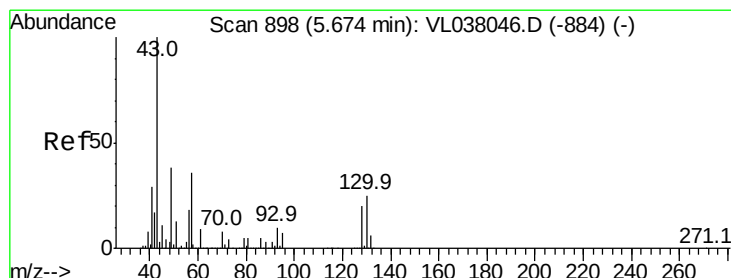
#20
Methvlene Chloride
Concen: 1.018 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 00:22

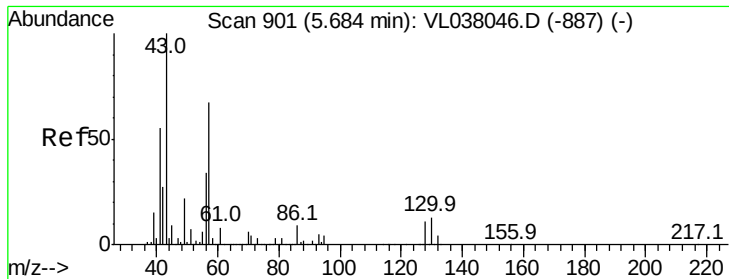
Tot Ion:	84	Resp:	40860
Ion	Ratio	Lower	Upper
84	100		
49	135.9	118.2	177.2
51	37.3	36.8	55.2
86	53.5	49.0	73.6



#25
Ethyl Acetate
Concen: 0.116 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

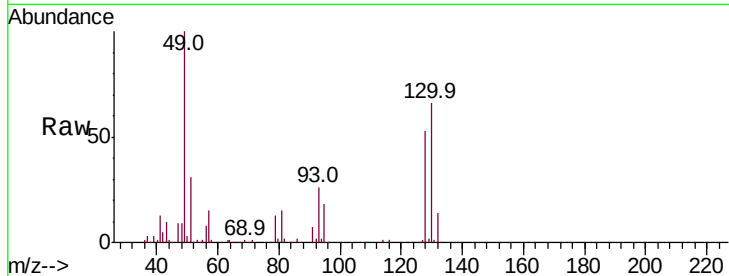
Tgt Ion:	43	Resp:	27670
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.1	7.8	11.6#
70	1.8	5.8	8.8#



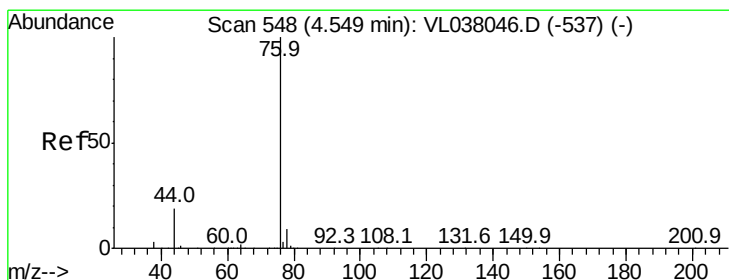
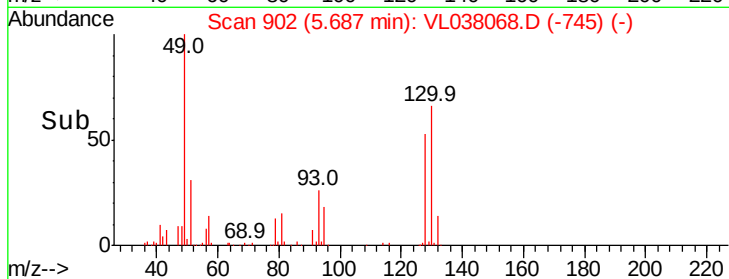
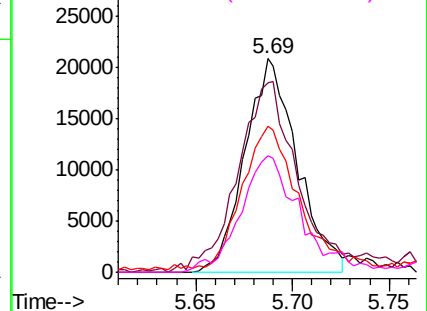


#26
Hexane
Concen: 0.341 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 00:22

Tot Ion: 57 Resp: 39116
Ion Ratio Lower Upper
57 100
41 107.0 71.4 107.2
43 77.8 174.6 261.8#
56 62.1 43.2 64.8

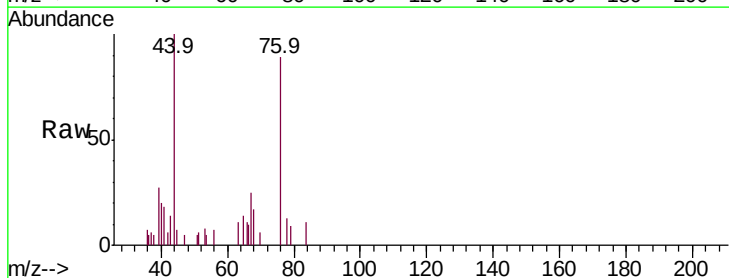


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

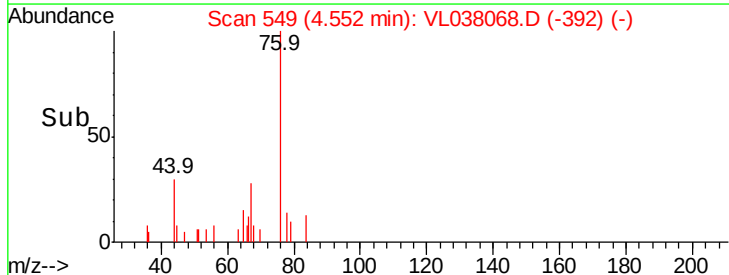
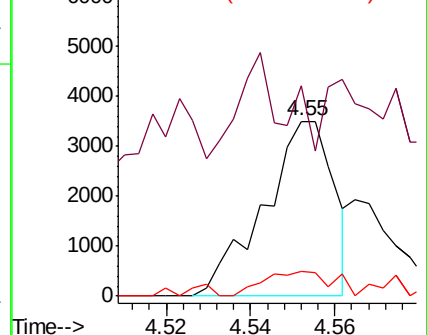


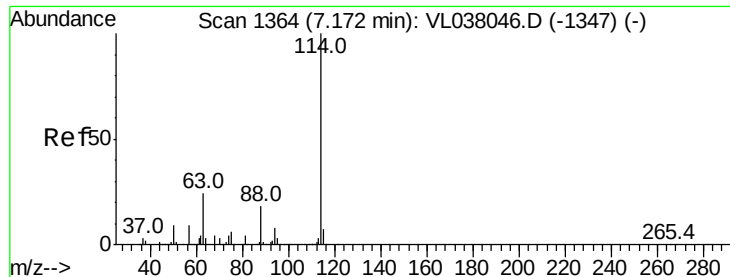
#27
Carbon Disulfide
Concen: 0.039 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.00 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

Tgt Ion: 76 Resp: 4022
Ion Ratio Lower Upper
76 100
44 113.2 14.9 22.3#
78 20.7 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 00:22

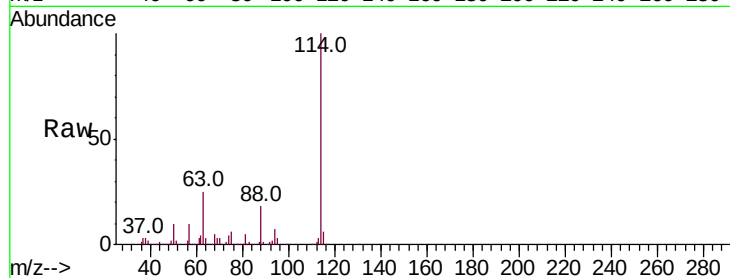
Tot Ion:114 Resp: 2345774

Ion Ratio Lower Upper

114 100

63 24.7 19.7 29.5

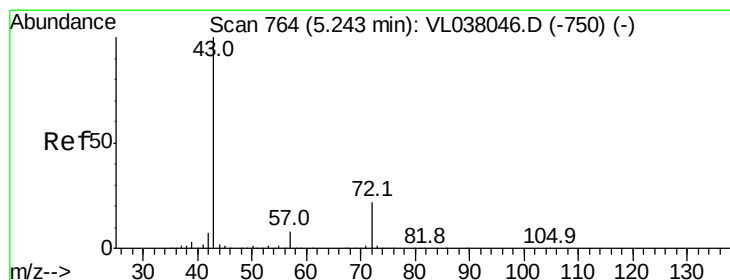
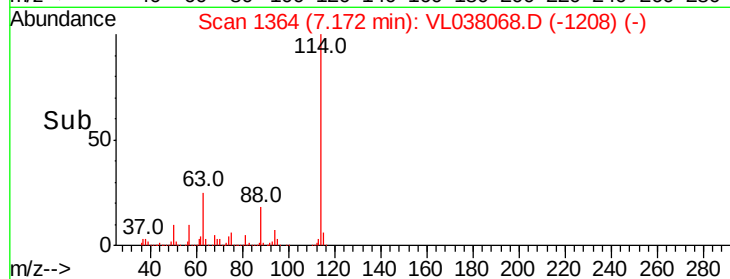
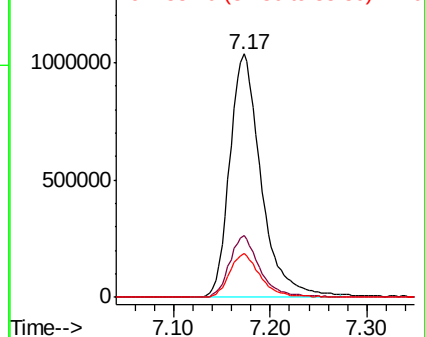
88 18.0 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.271 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.02 min

Lab File: VL038068.D

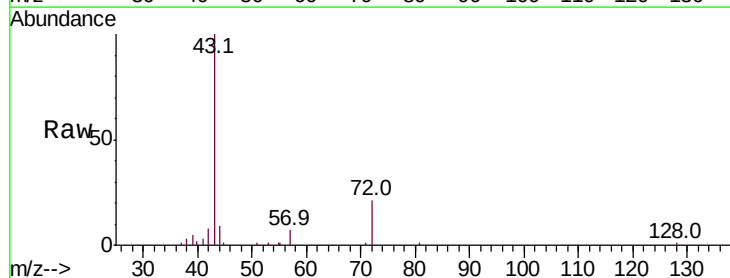
Acq: 19 Nov 2021 00:22

Tgt Ion: 43 Resp: 25651

Ion Ratio Lower Upper

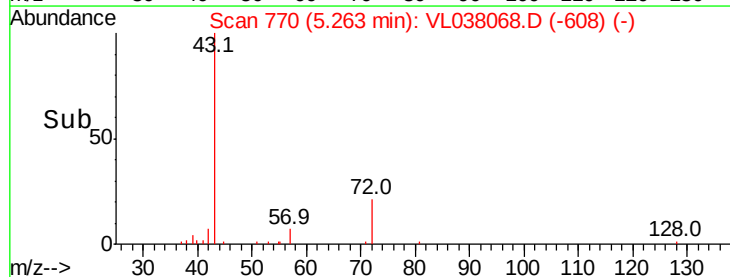
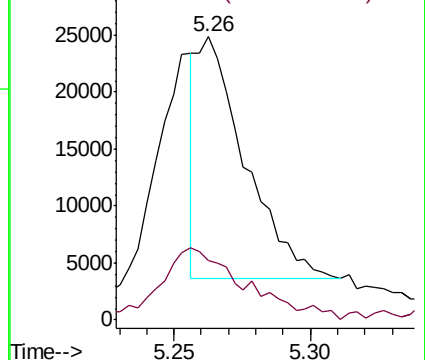
43 100

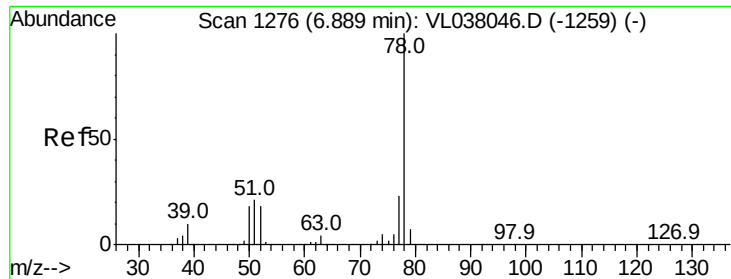
72 54.9 18.8 28.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

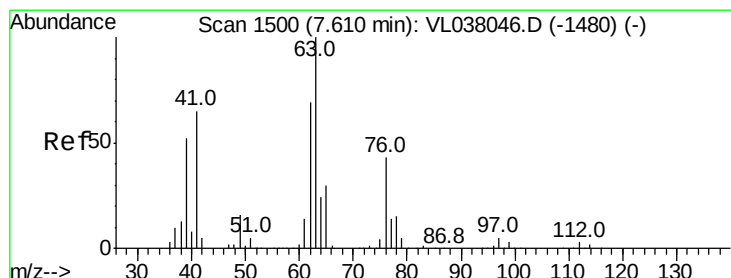
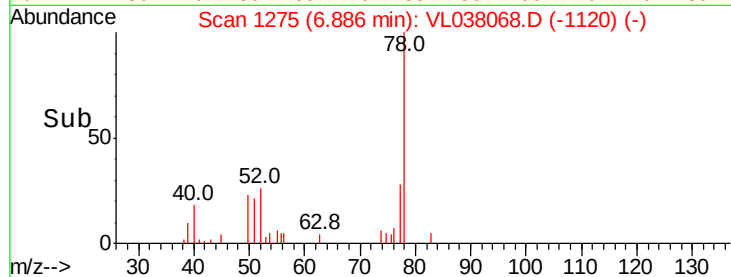
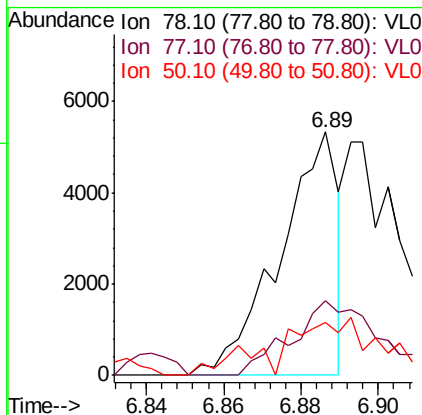
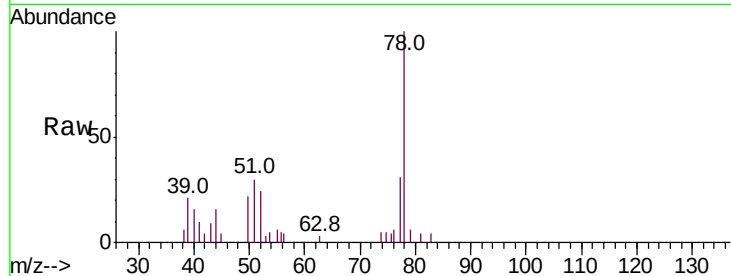
Ion 72.10 (71.80 to 72.80): VL0





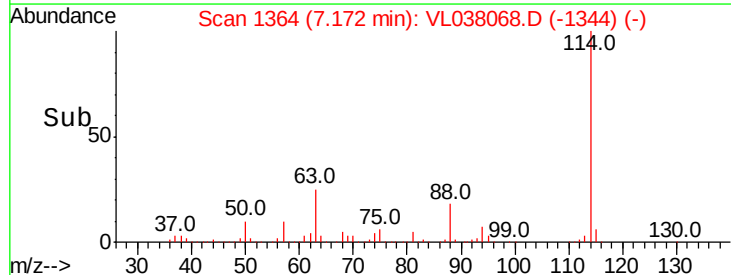
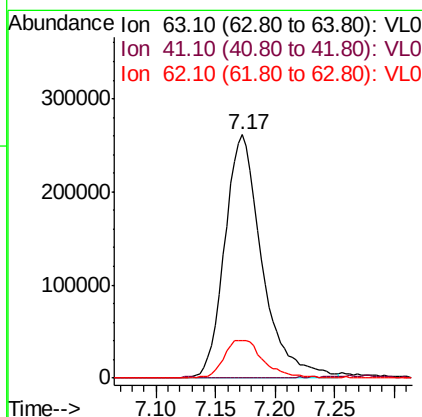
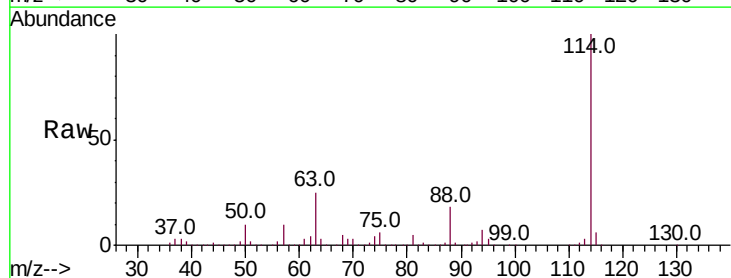
#36
Benzene
Concen: 0.024 ppbv
RT: 6.89
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 00:22

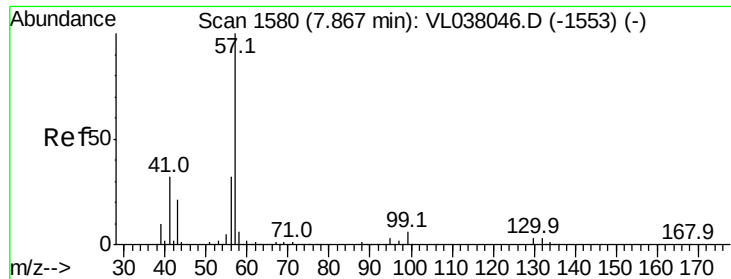
Tot Ion: 78 Resp: 5578
Ion Ratio Lower Upper
78 100
77 30.7 18.2 27.4#
50 18.0 14.7 22.1



#39
1,2-Dichloropropane
Concen: 6.329 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.44 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

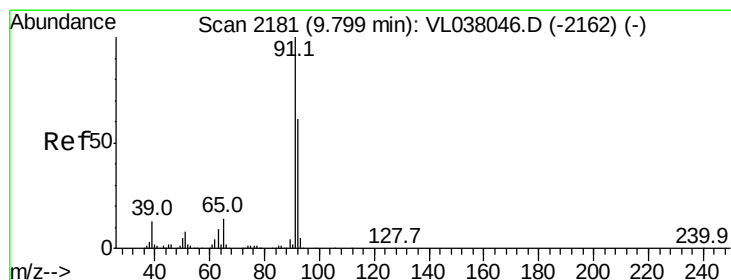
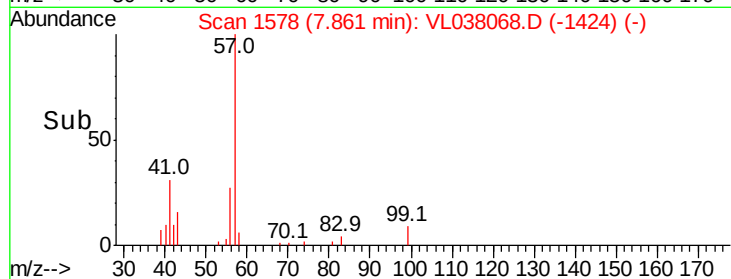
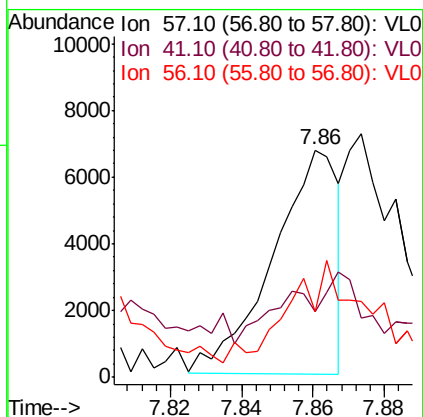
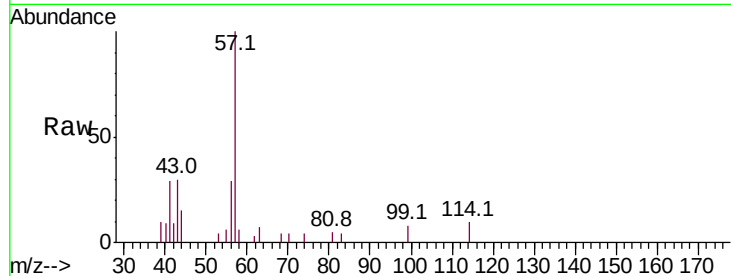
Tgt Ion: 63 Resp: 568067
Ion Ratio Lower Upper
63 100
41 0.0 52.3 78.5#
62 15.4 55.1 82.7#





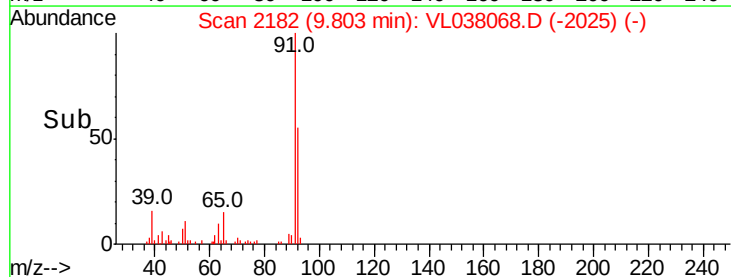
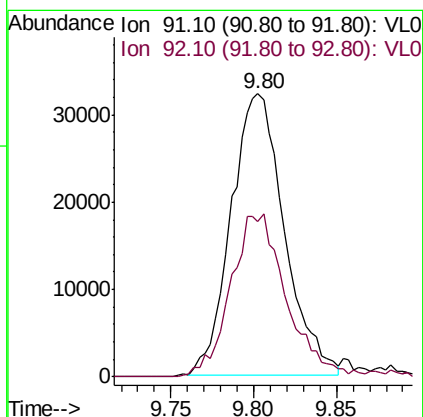
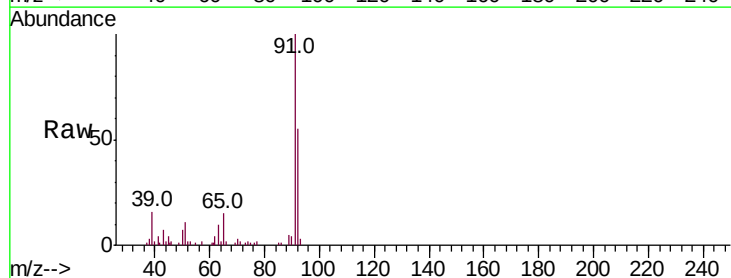
#44
 2,2,4-Trimethylpentane
 Concen: 0.022 ppbv
 RT: 7.86 min
 Delta R.T.: 0.00 min
 Lab File: VL038068.D
 Acq: 19 Nov 2021 00:22

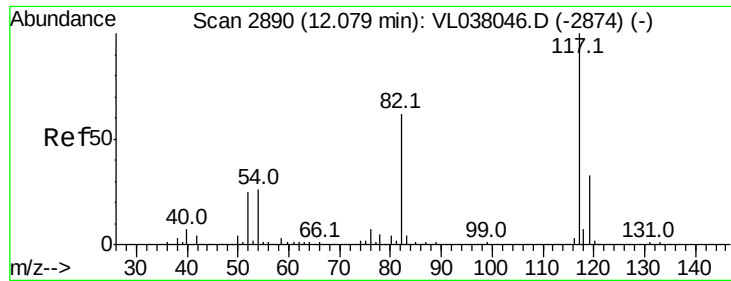
Tot Ion: 57 Resp: 8512
 Ion Ratio Lower Upper
 57 100
 41 82.3 25.8 38.6#
 56 84.8 25.6 38.4#



#53
 Toluene
 Concen: 0.266 ppbv
 RT: 9.80 min Scan# 2182
 Delta R.T.: 0.00 min
 Lab File: VL038068.D
 Acq: 19 Nov 2021 00:22

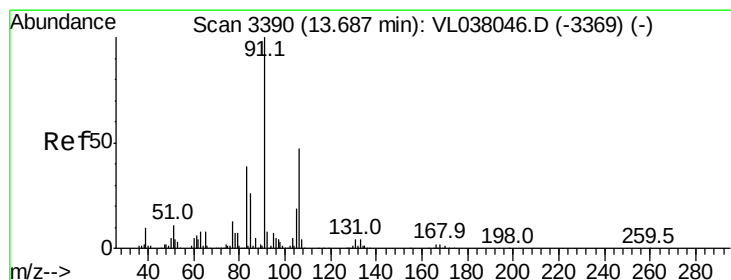
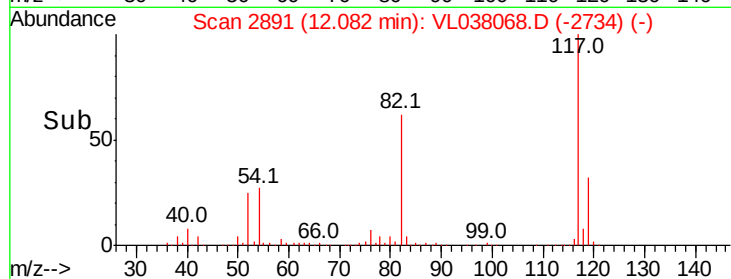
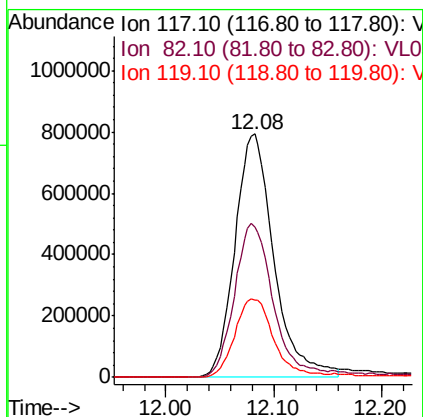
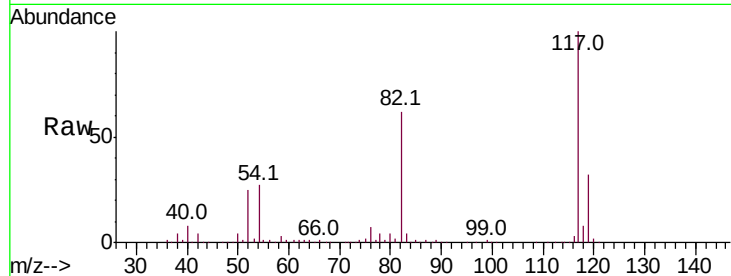
Tgt Ion: 91 Resp: 71705
 Ion Ratio Lower Upper
 91 100
 92 61.8 49.7 74.5





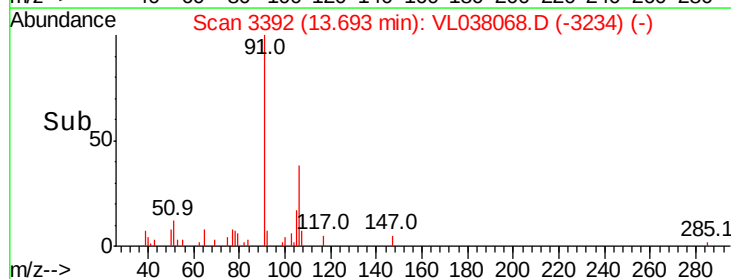
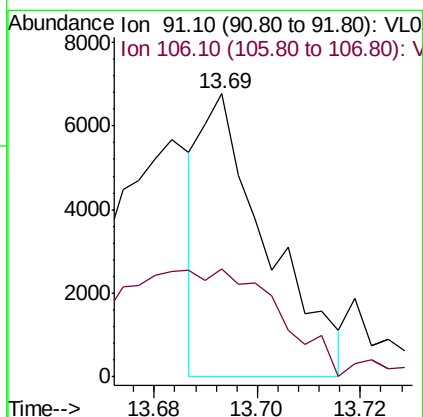
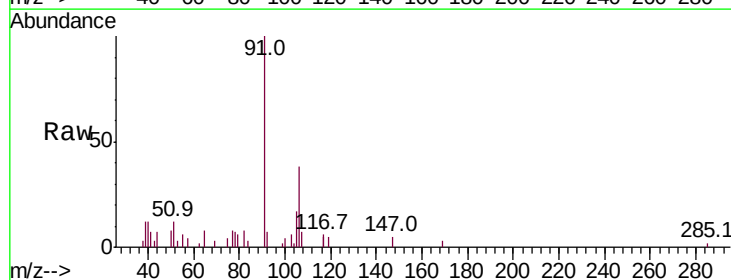
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 00:22

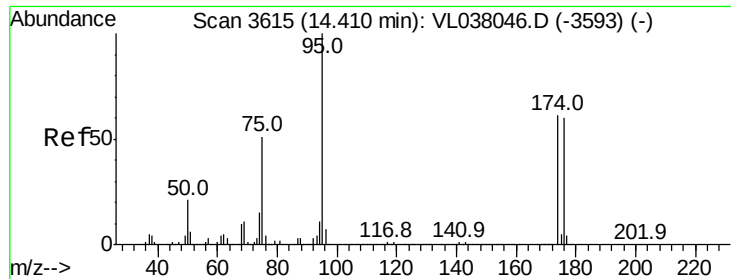
Tot Ion: 117 Resp: 1998860
Ion Ratio Lower Upper
117 100
82 66.5 52.8 79.2
119 34.3 26.8 40.2



#60
o-Xylene
Concen: 0.023 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

Tgt Ion: 91 Resp: 6030
Ion Ratio Lower Upper
91 100
106 107.7 24.2 72.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.130 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 08:22

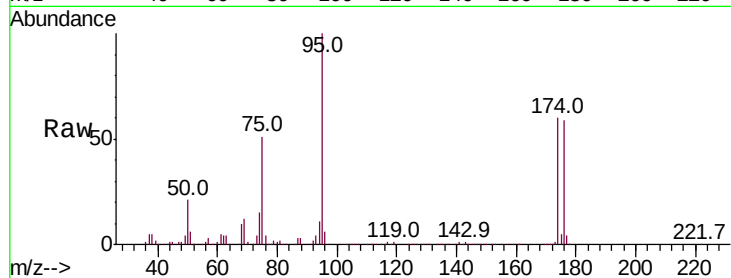
Tot Ion: 95 Resp: 1460591

Ion Ratio Lower Upper

95 100

174 66.1 53.1 79.7

175 4.8 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

