

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038066.D
 Acq On : 18 Nov 2021 23:04
 Operator : SY/AP
 Sample : M4704-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 17-TOTEN-STREETDL

Quant Time: Nov 19 07:31:47 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	5.67	49	829301	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2401489	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1983496	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1466985	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

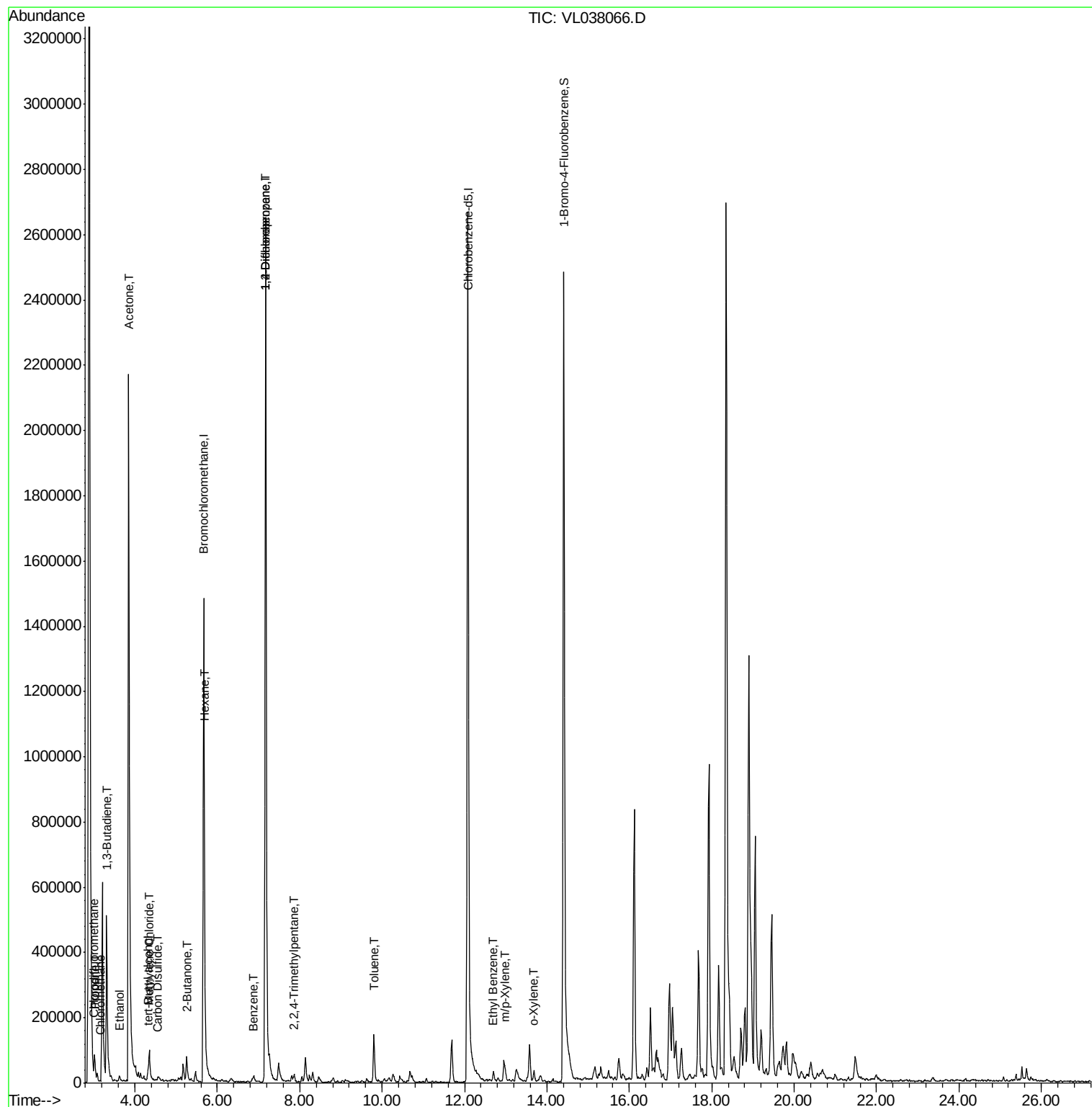
Target Compounds					Ovalue
3) Chlorodifluoromethane	3.00	51	3731	0.021 ppbv	95
4) Chloromethane	3.15	50	3213	0.054 ppbv	95
9) Propene	3.01	41	23564	0.367 ppbv #	47
13) Ethanol	3.62	45	8326	1.343 ppbv #	32
15) Acetone	3.85	43	2977037	41.404 ppbv	98
16) 1,3-Butadiene	3.31	39	159194	2.838 ppbv #	17
17) tert-Butyl alcohol	4.31	59	10952	0.126 ppbv #	57
20) Methylene Chloride	4.35	84	31089	0.772 ppbv #	92
26) Hexane	5.69	57	26432	0.229 ppbv #	37
27) Carbon Disulfide	4.55	76	4618	0.045 ppbv #	1
34) 2-Butanone	5.26	43	106534	1.100 ppbv	93
36) Benzene	6.88	78	7462	0.031 ppbv	95
39) 1,2-Dichloropropane	7.17	63	576895	6.278 ppbv #	26
44) 2,2,4-Trimethylpentane	7.87	57	8387	0.021 ppbv #	1
53) Toluene	9.80	91	124734	0.453 ppbv	99
58) Ethyl Benzene	12.71	91	12134	0.037 ppbv #	79
59) m/p-Xylene	12.99	91	17023	0.062 ppbv #	29
60) o-Xylene	13.69	91	10518	0.041 ppbv #	1

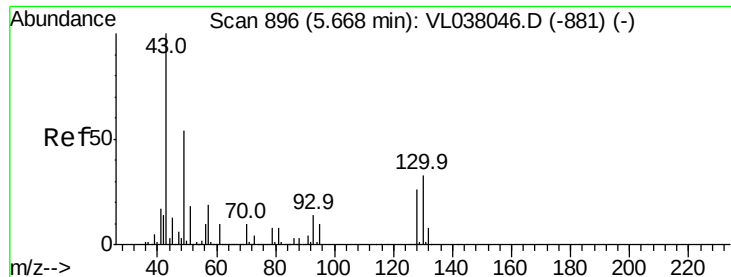
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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17-TOTEN-STREETDL

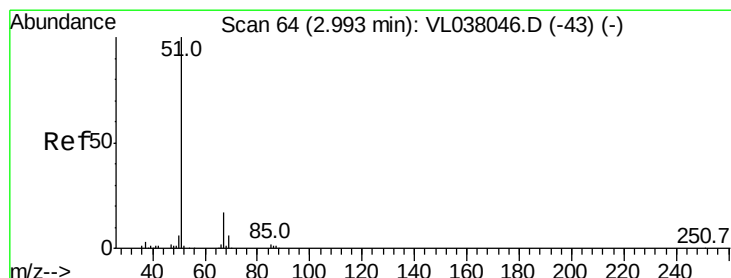
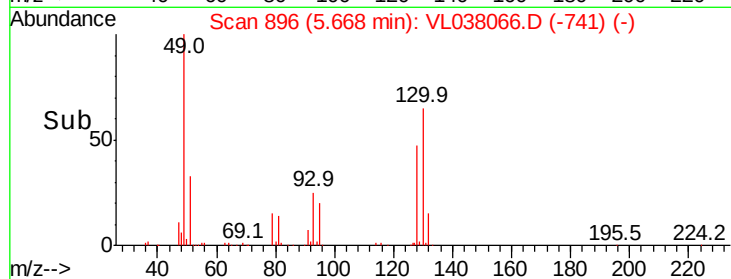
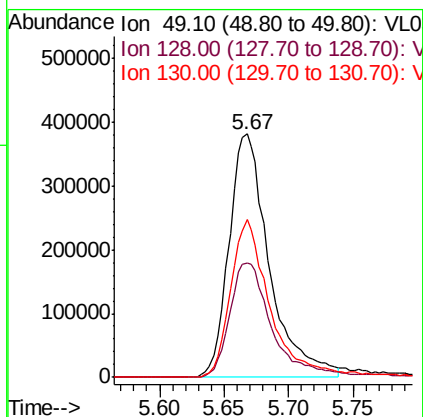
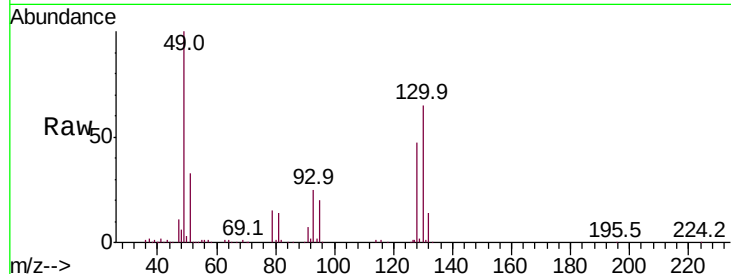
Quant Time: Nov 19 07:31:47 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
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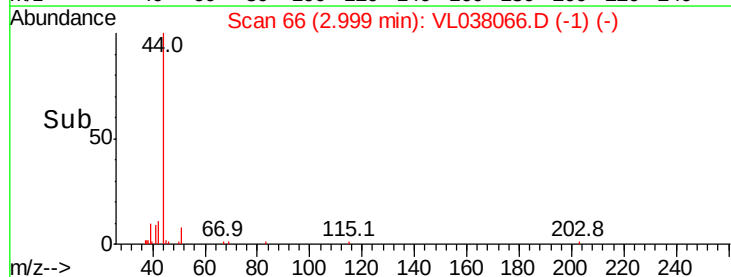
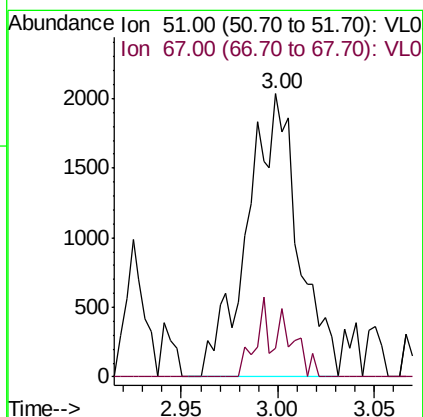
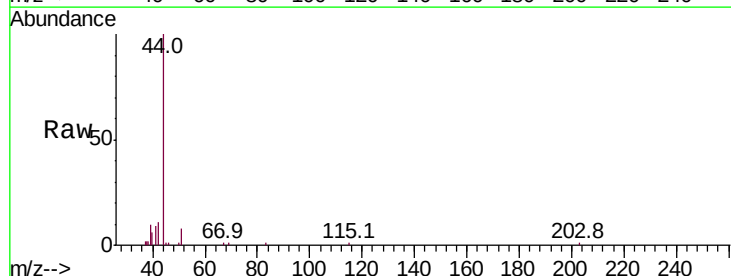
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 23:04

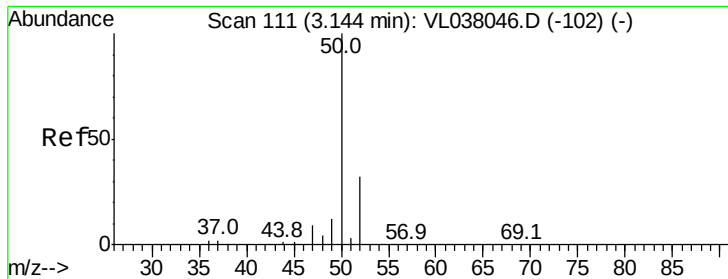
Tot Ion: 49 Resp: 829301
 Ion Ratio Lower Upper
 49 100
 128 51.6 26.5 79.5
 130 65.0 32.5 97.4



#3
 Chlorodifluoromethane
 Concen: 0.021 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T.: 0.01 min
 Lab File: VL038066.D
 Acq: 18 Nov 2021 23:04

Tgt Ion: 51 Resp: 3731
 Ion Ratio Lower Upper
 51 100
 67 15.3 13.8 20.8





#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

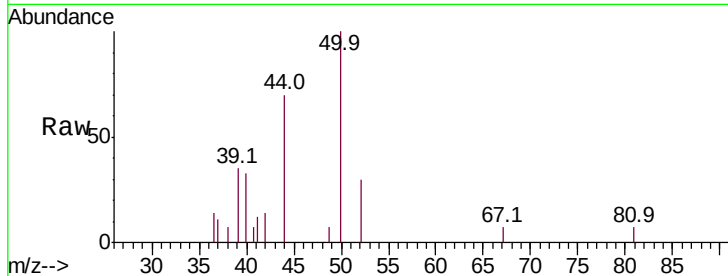
Acq: 18 Nov 2021 23:04

Tot Ion: 50 Resp: 3213

Ion Ratio Lower Upper

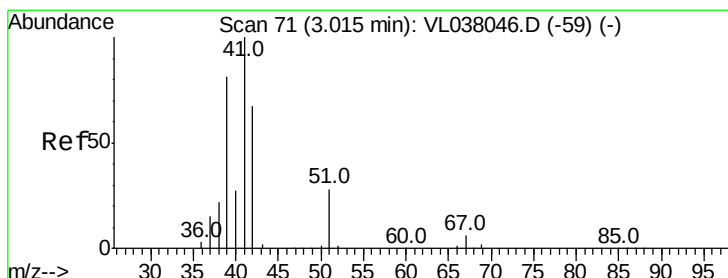
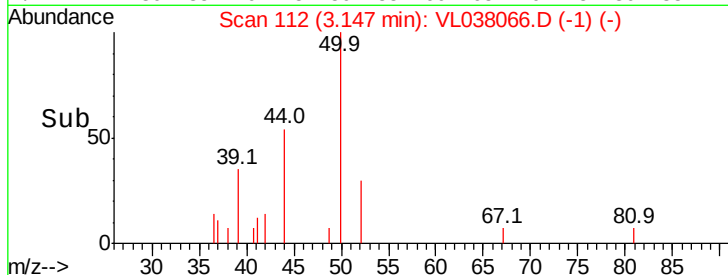
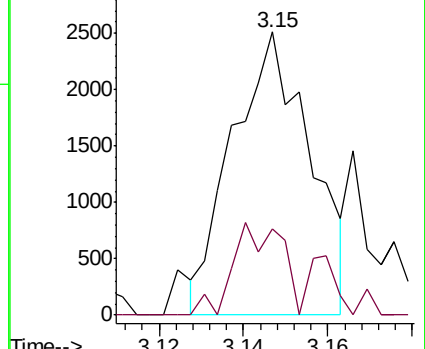
50 100

52 34.7 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.367 ppbv

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL038066.D

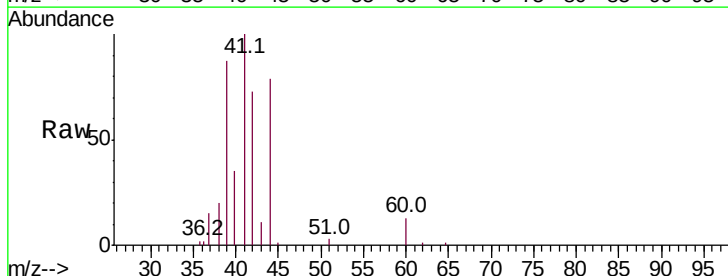
Acq: 18 Nov 2021 23:04

Tgt Ion: 41 Resp: 23564

Ion Ratio Lower Upper

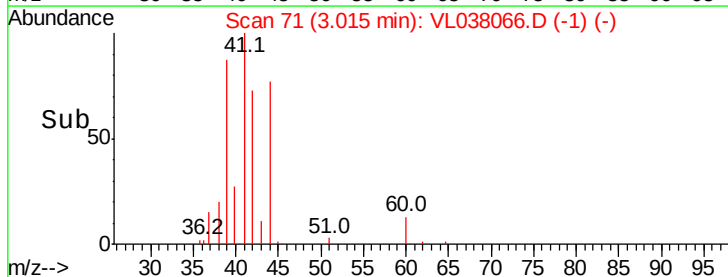
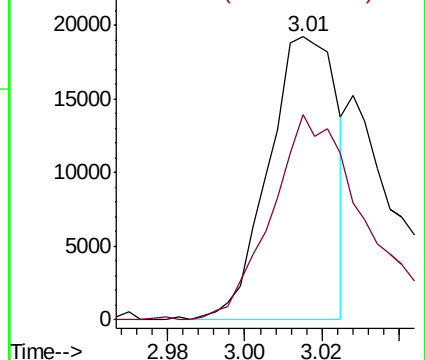
41 100

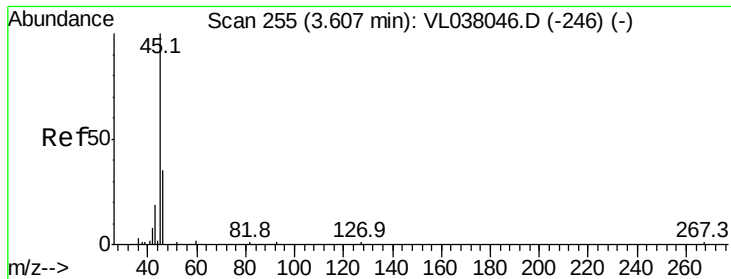
42 109.6 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

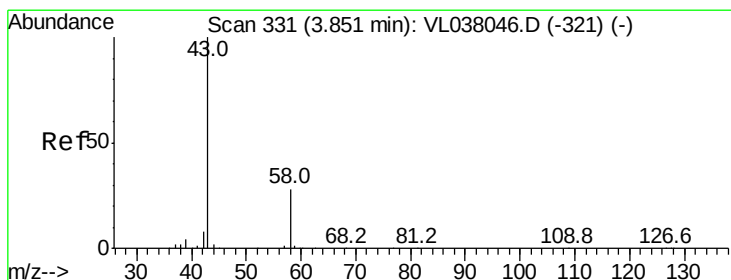
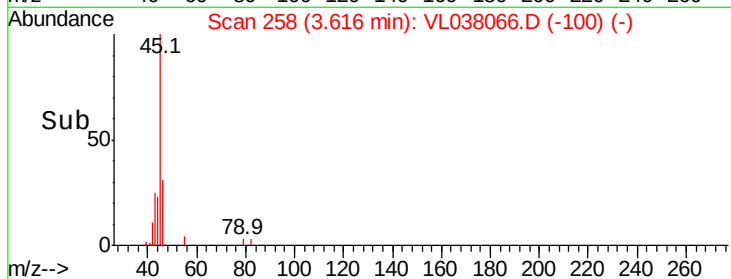
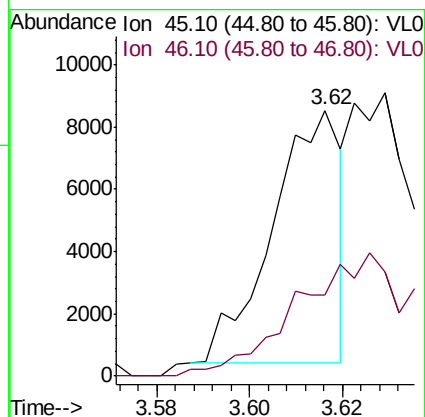
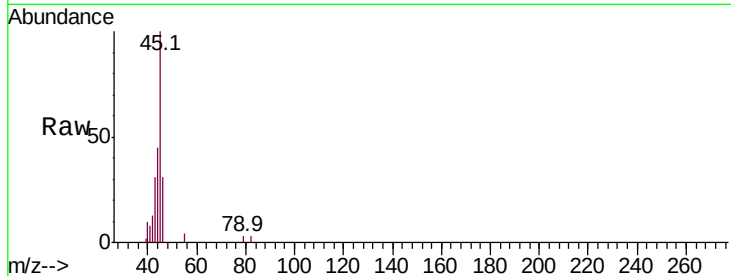
Ion 42.10 (41.80 to 42.80): VL0





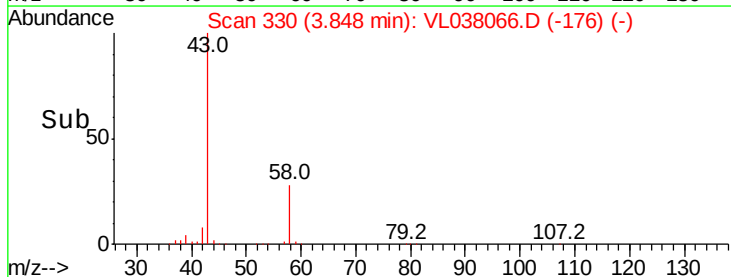
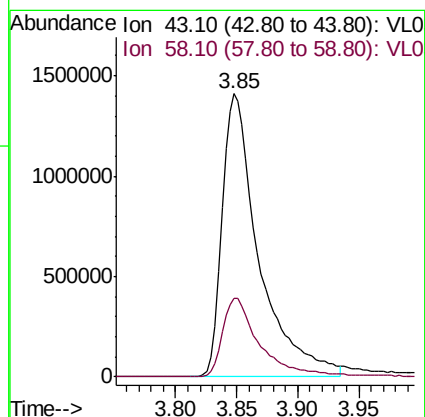
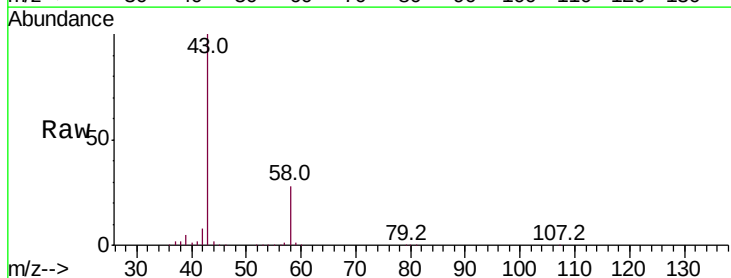
#13
Ethanol
Concen: 1.343 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 18 Nov 2021 23:04

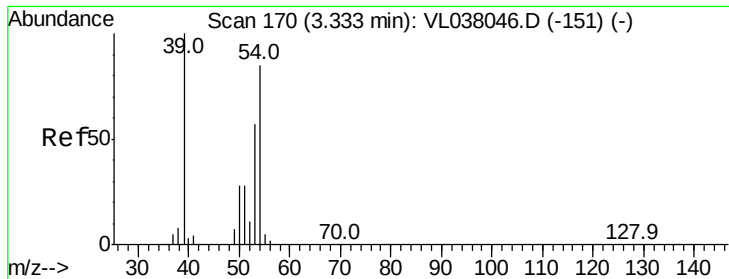
Tot Ion: 45 Resp: 8326
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#15
Acetone
Concen: 41.404 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL038066.D
Acq: 18 Nov 2021 23:04

Tgt Ion: 43 Resp: 2977037
Ion Ratio Lower Upper
43 100
58 29.2 22.4 33.6





#16

1,3-Butadiene

Concen: 2.838 ppbv

RT: 3.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

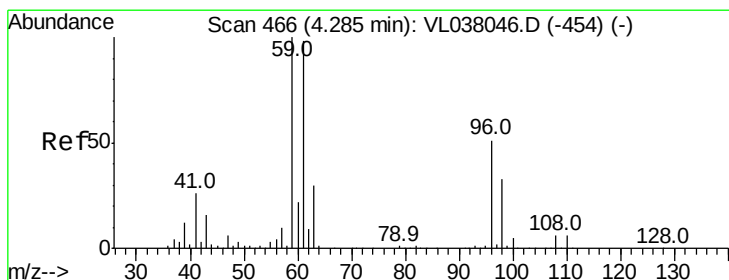
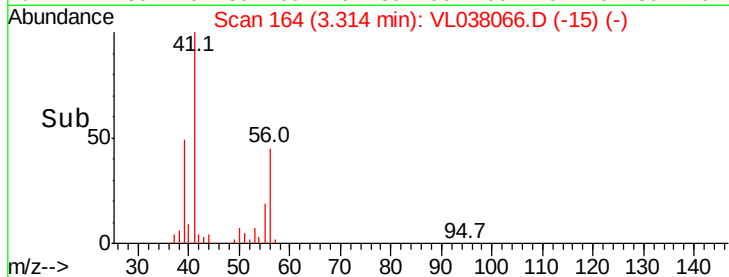
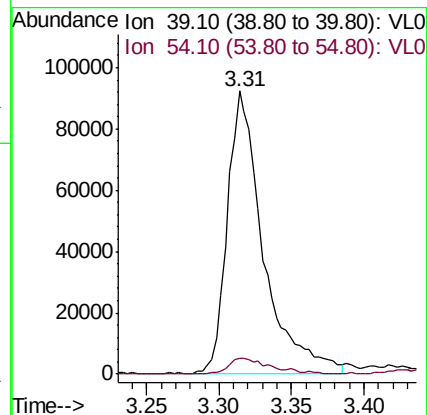
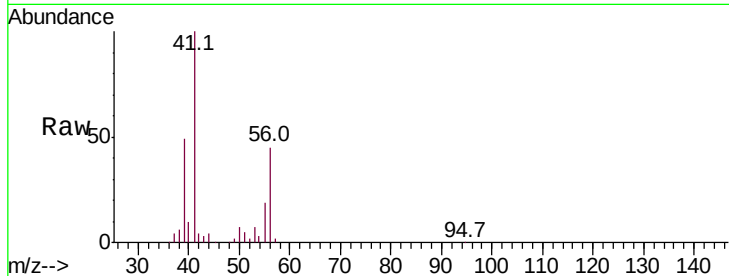
Acq: 18 Nov 2021 23:04

Tot Ion: 39 Resp: 159194

Ion Ratio Lower Upper

39 100

54 6.8 64.4 96.6#



#17

tert-Butyl alcohol

Concen: 0.126 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.03 min

Lab File: VL038066.D

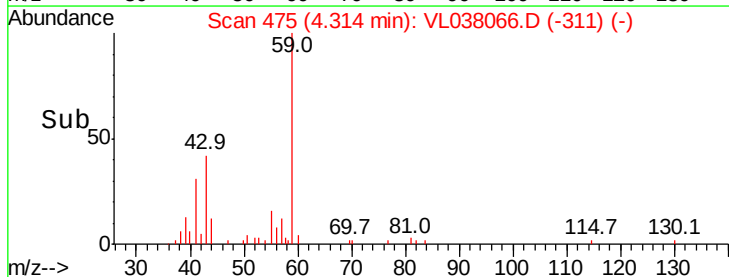
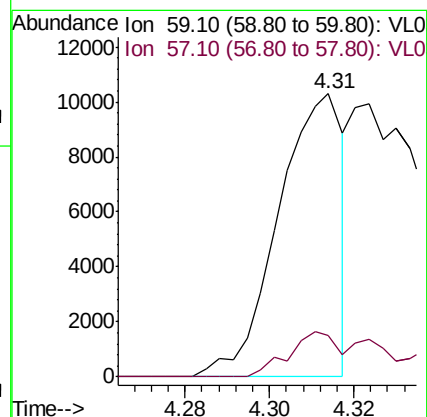
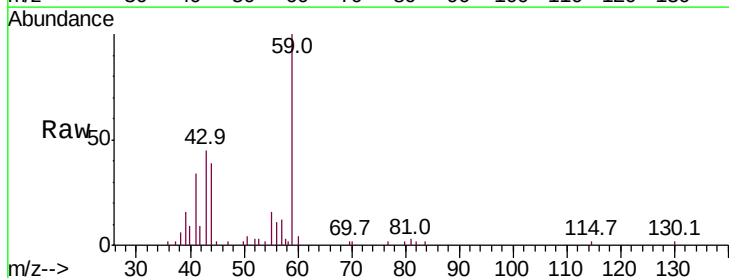
Acq: 18 Nov 2021 23:04

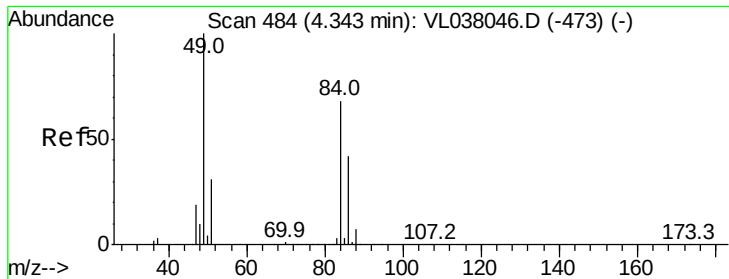
Tgt Ion: 59 Resp: 10952

Ion Ratio Lower Upper

59 100

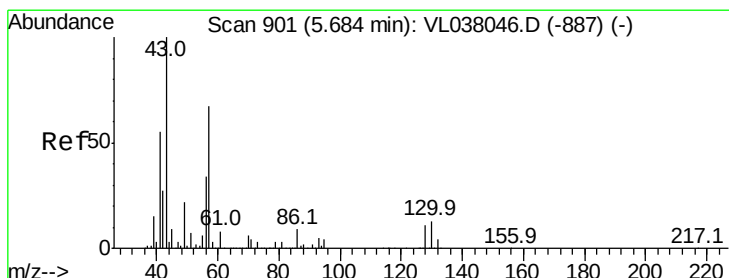
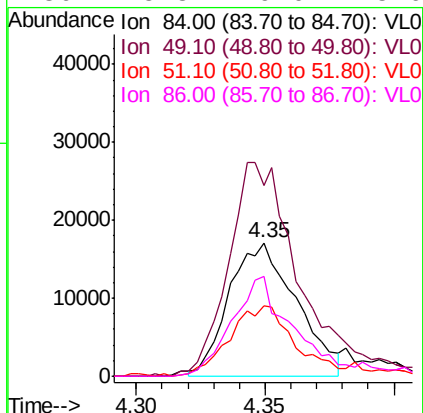
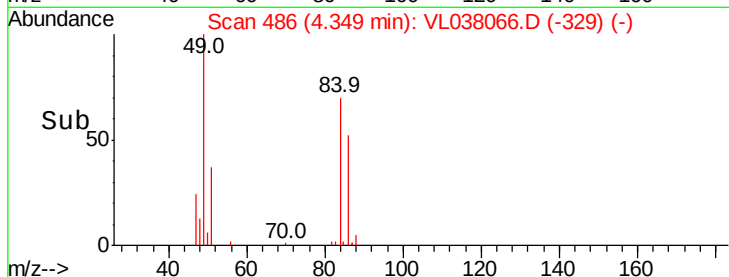
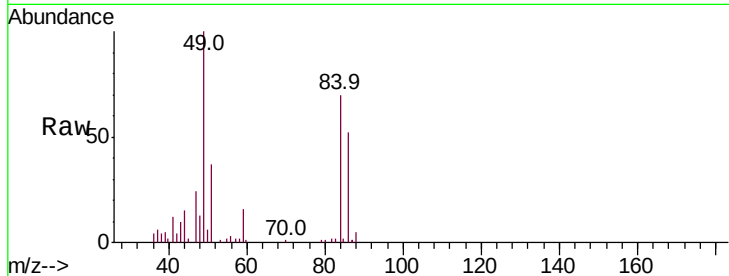
57 26.9 8.6 13.0#





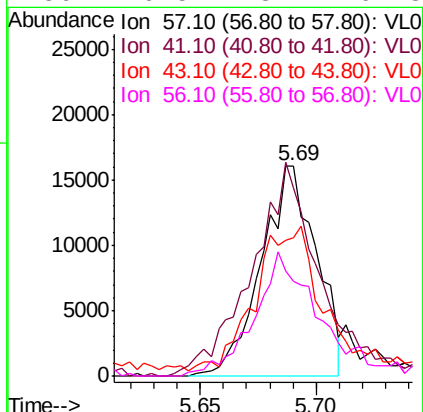
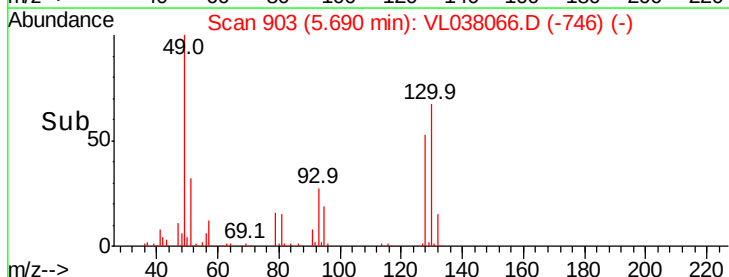
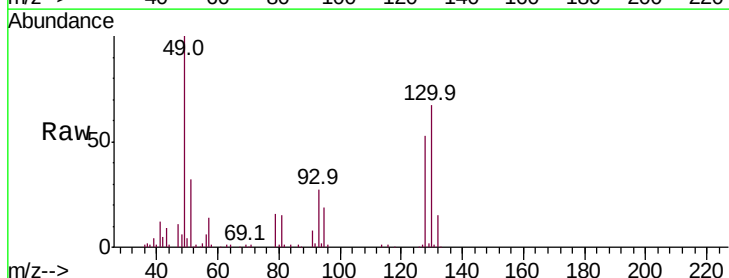
#20
Methylene Chloride
Concen: 0.772 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 23:04

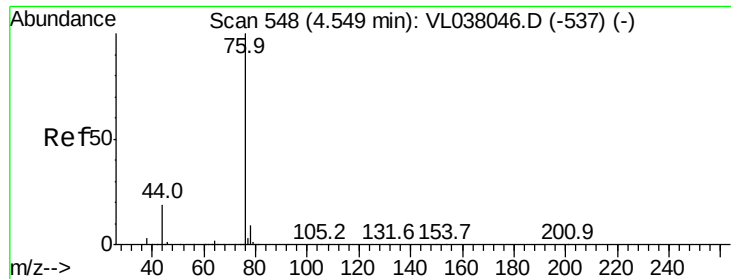
Tot Ion: 84 Resp: 31089
Ion Ratio Lower Upper
84 100
49 144.5 118.2 177.2
51 53.0 36.8 55.2
86 75.8 49.0 73.6#



#26
Hexane
Concen: 0.229 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038066.D
Acq: 18 Nov 2021 23:04

Tgt Ion: 57 Resp: 26432
Ion Ratio Lower Upper
57 100
41 127.7 71.4 107.2#
43 86.3 174.6 261.8#
56 70.5 43.2 64.8#





#27

Carbon Disulfide

Concen: 0.045 ppbv

RT: 4.55 Instrument: MSVOA_1

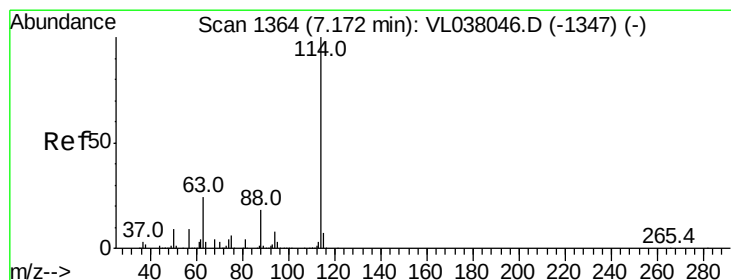
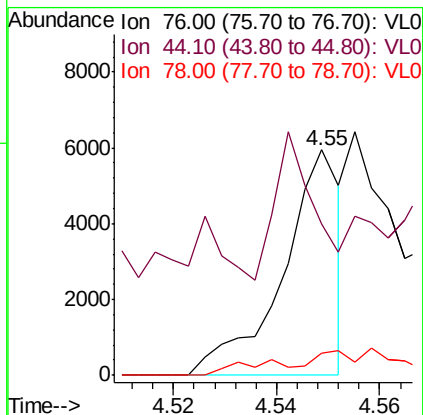
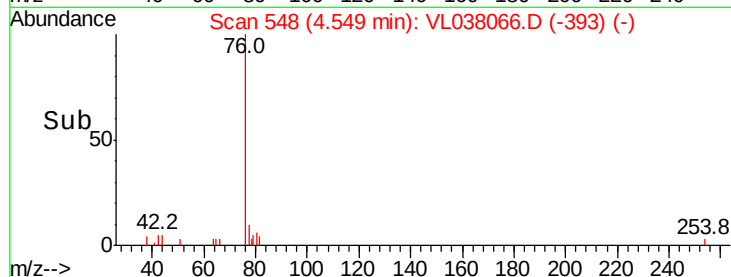
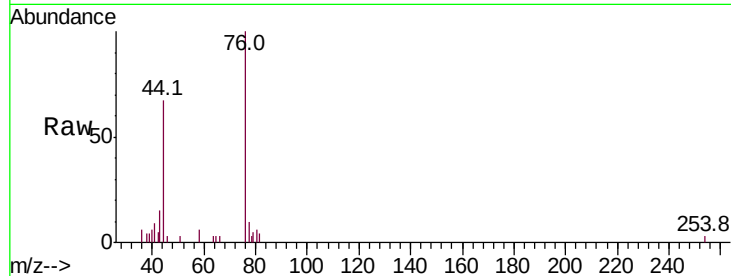
Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Nov 2021 23:04

Tot Ion: 76 Resp: 4618

Ion	Ratio	Lower	Upper
76	100		
44	92.4	14.9	22.3#
78	0.0	7.6	11.4#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

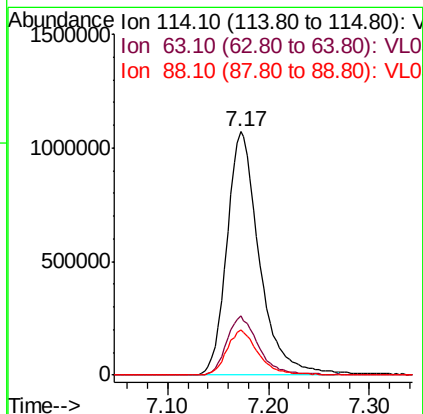
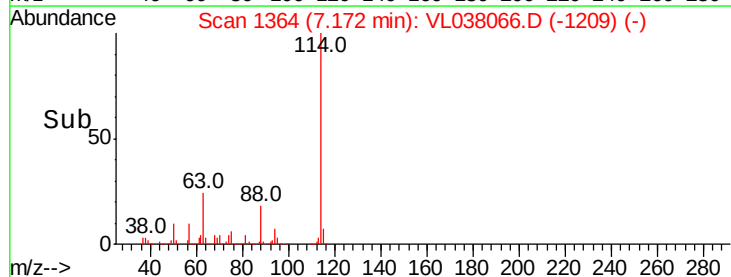
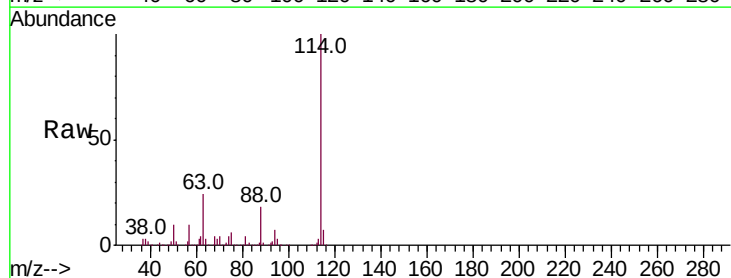
Delta R.T. -0.00 min

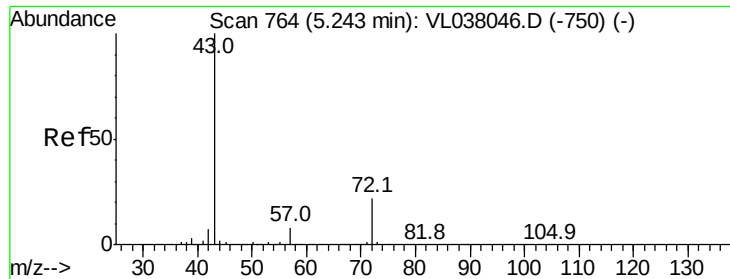
Lab File: VL038066.D

Acq: 18 Nov 2021 23:04

Tgt Ion: 114 Resp: 2401489

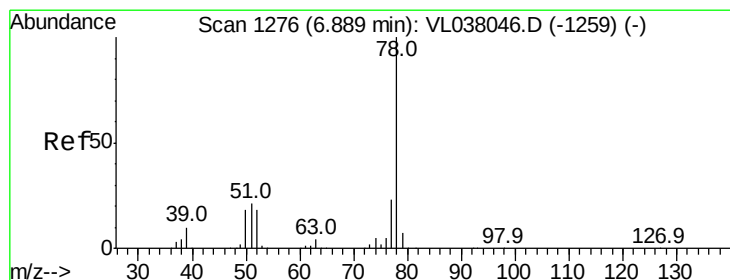
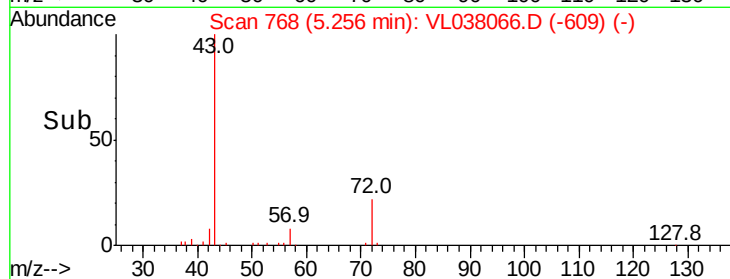
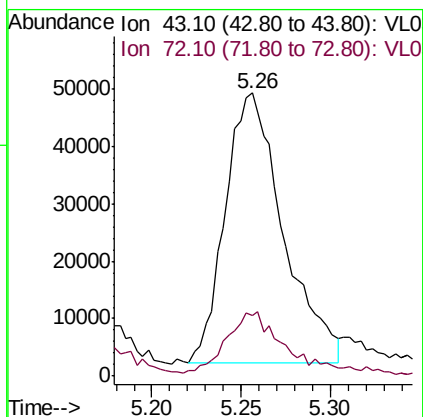
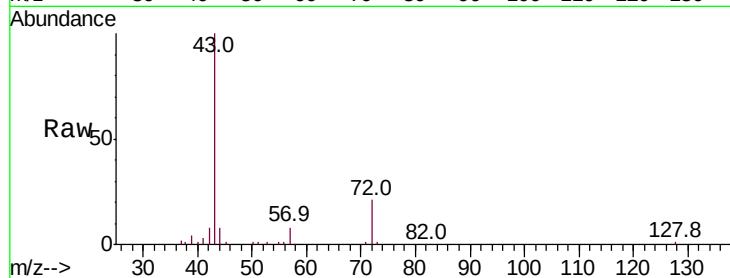
Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.7	29.5
88	18.2	14.4	21.6





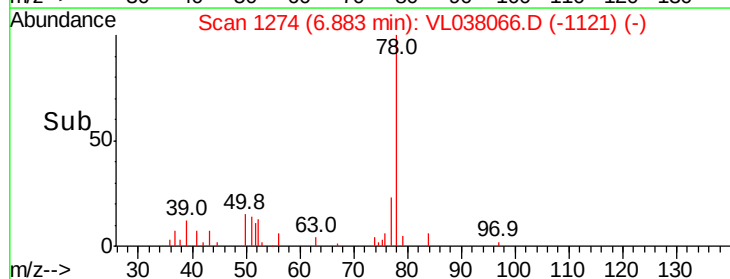
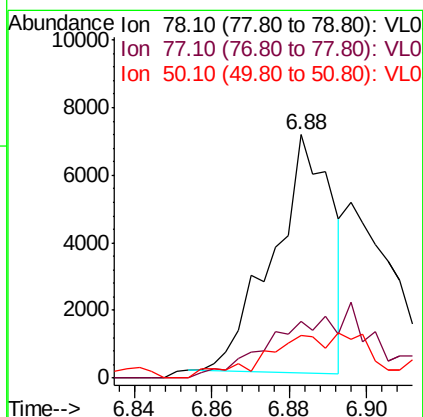
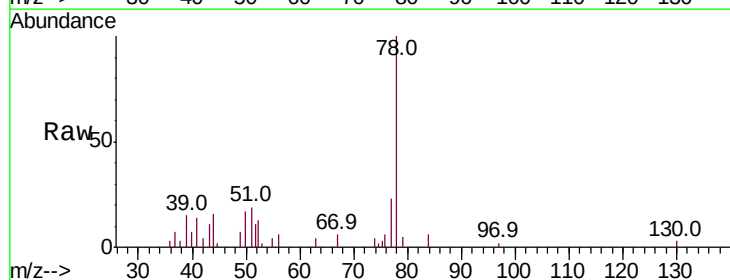
#34
 2-Butanone
 Concen: 1.100 ppbv
 RT: 5.26 Instrument : MSVOA_1
 Delta R.T.: ClientSampleId :
 Lab File: 17-TOTEN-STREETDL
 Acq: 18 Nov 2021 23:04

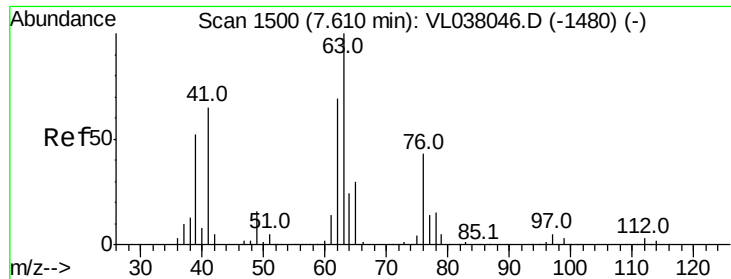
Tot Ion: 43 Resp: 106534
 Ion Ratio Lower Upper
 43 100
 72 27.0 18.8 28.2



#36
 Benzene
 Concen: 0.031 ppbv
 RT: 6.88 min Scan# 1274
 Delta R.T.: -0.01 min
 Lab File: VL038066.D
 Acq: 18 Nov 2021 23:04

Tgt Ion: 78 Resp: 7462
 Ion Ratio Lower Upper
 78 100
 77 20.9 18.2 27.4
 50 15.3 14.7 22.1





#39

1,2-Dichloropropane

Concen: 6.278 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 23:04

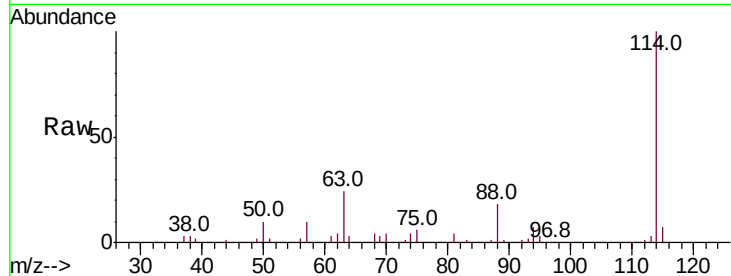
Tot Ion: 63 Resp: 576895

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

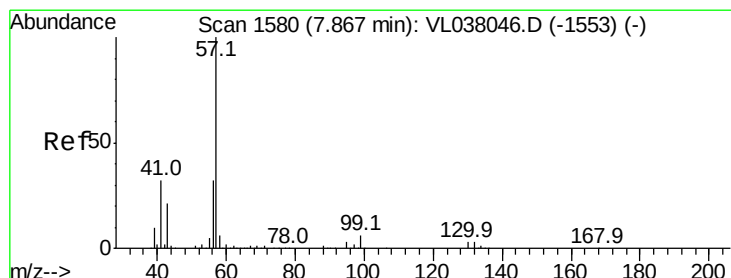
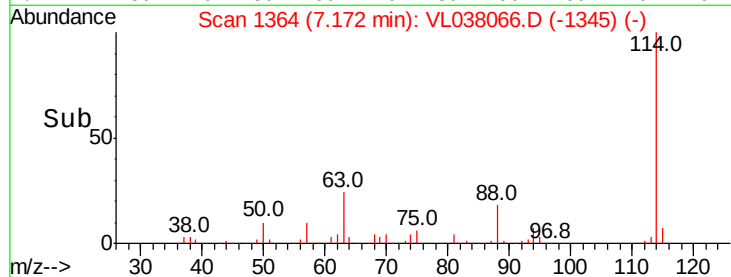
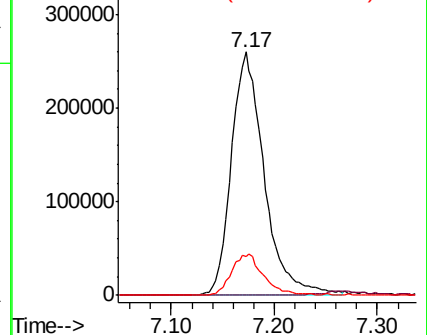
62 15.9 55.1 82.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.021 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VL038066.D

Acq: 18 Nov 2021 23:04

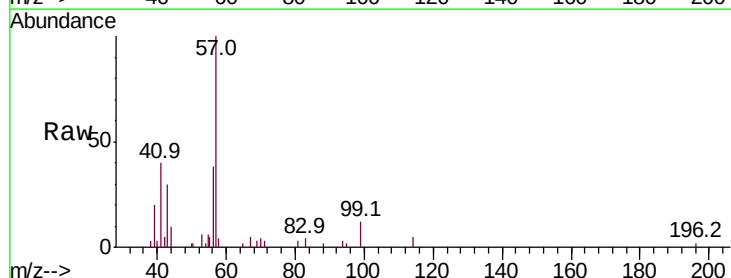
Tgt Ion: 57 Resp: 8387

Ion Ratio Lower Upper

57 100

41 77.3 25.8 38.6#

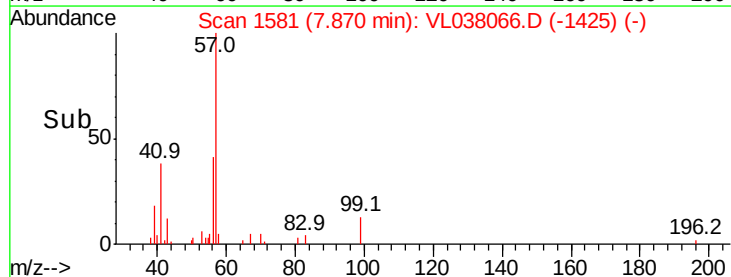
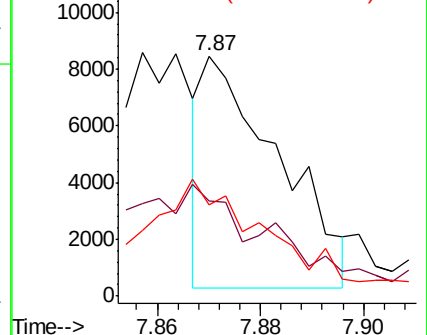
56 112.6 25.6 38.4#

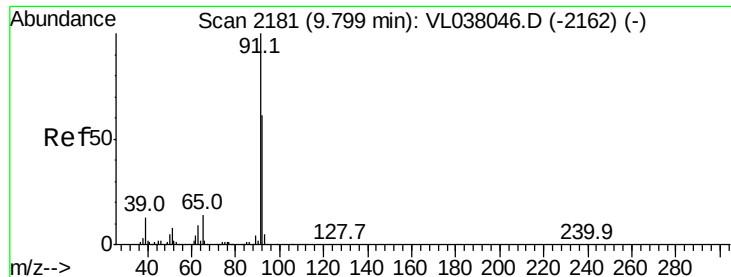


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#53

Toluene

Concen: 0.453 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

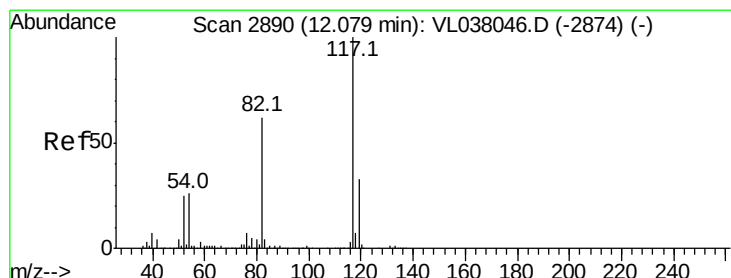
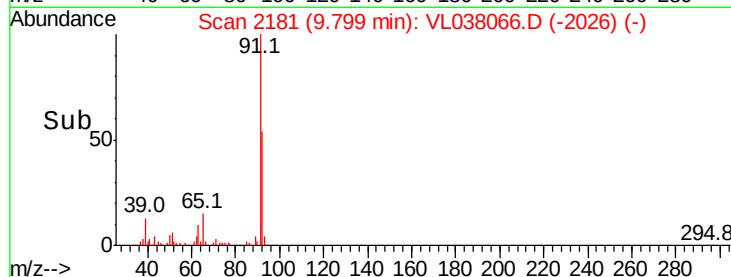
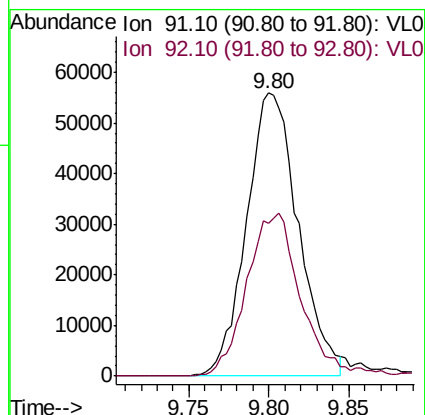
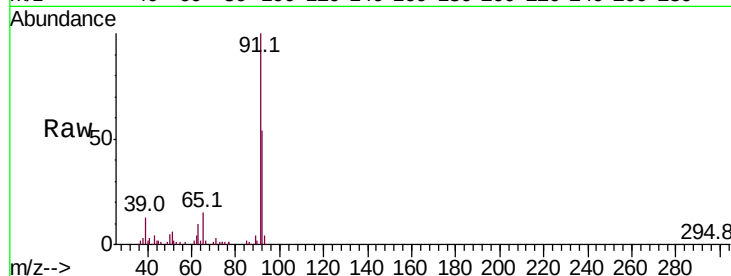
Acq: 18 Nov 2021 23:04 17-TOTEN-STREETDL

Tot Ion: 91 Resp: 124734

Ion Ratio Lower Upper

91 100

92 61.2 49.7 74.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL038066.D

Acq: 18 Nov 2021 23:04

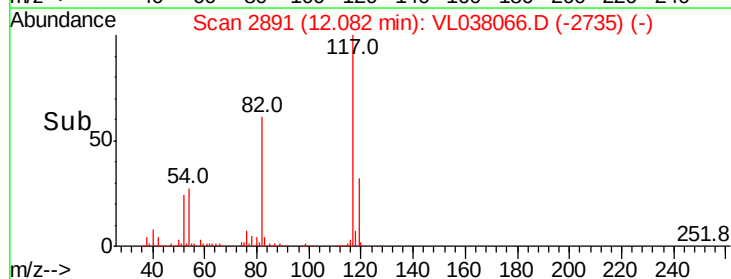
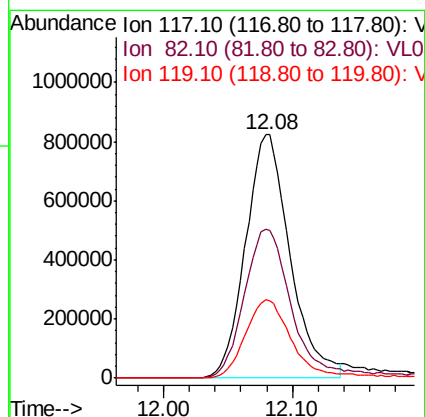
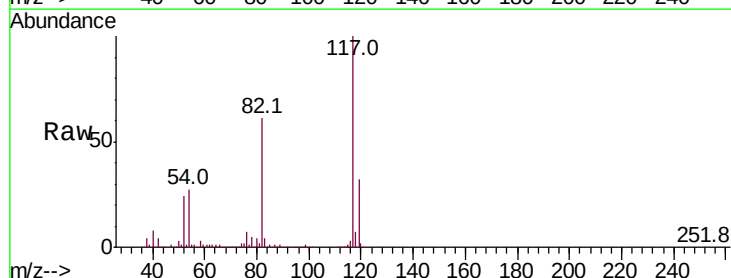
Tgt Ion: 117 Resp: 1983496

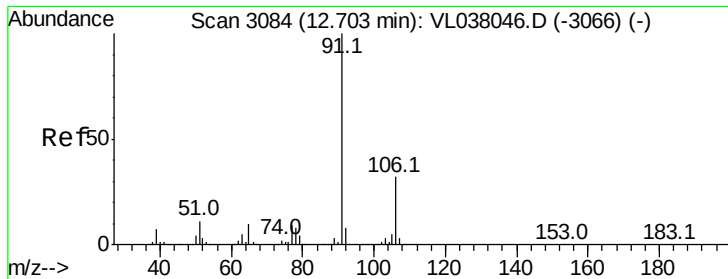
Ion Ratio Lower Upper

117 100

82 67.9 52.8 79.2

119 34.9 26.8 40.2





#58

Ethyl Benzene

Concen: 0.037 ppbv

RT: 12.71 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

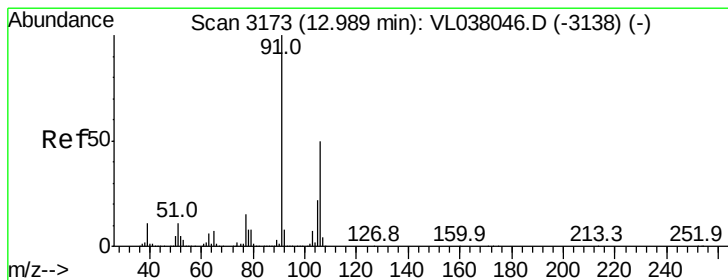
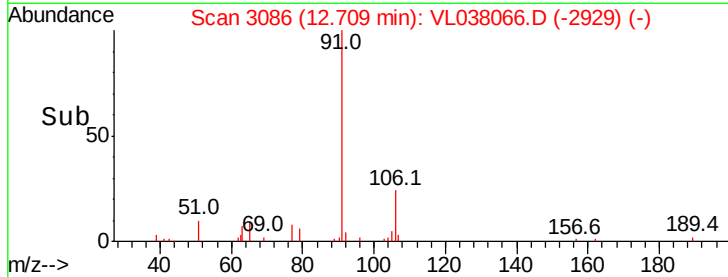
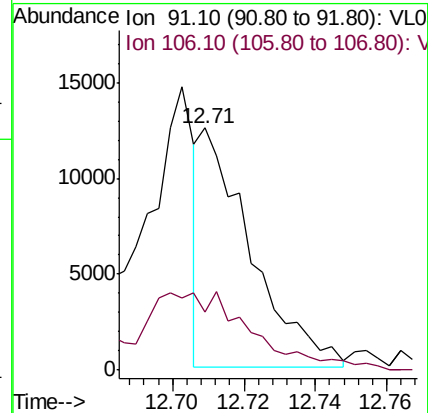
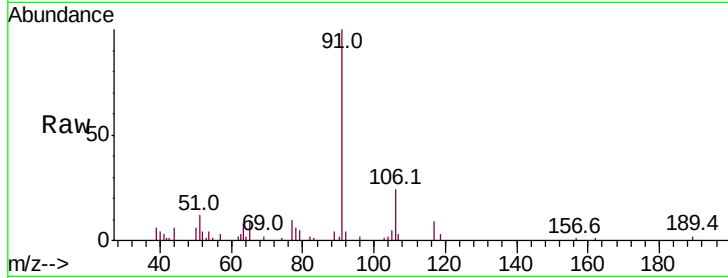
Acq: 18 Nov 2021 23:04

Tot Ion: 91 Resp: 12134

Ion Ratio Lower Upper

91 100

106 20.4 25.8 38.6#



#59

m/p-Xylene

Concen: 0.062 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VL038066.D

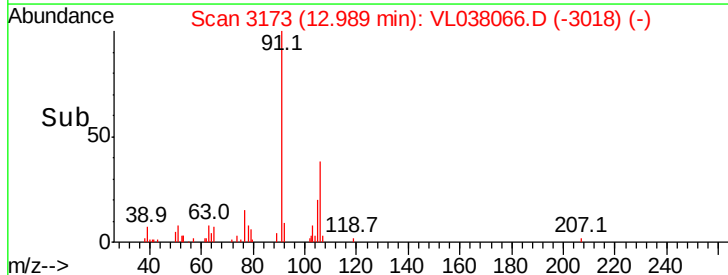
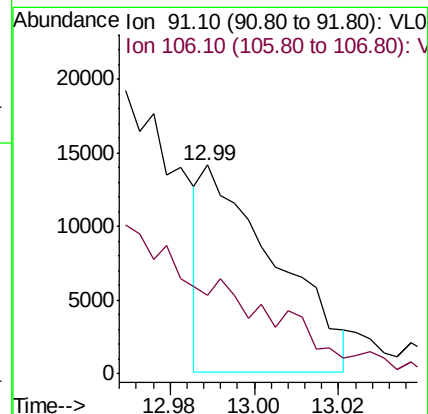
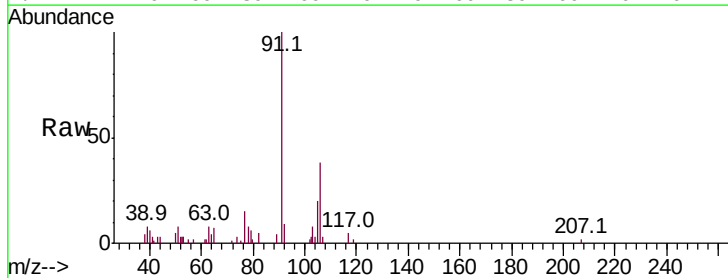
Acq: 18 Nov 2021 23:04

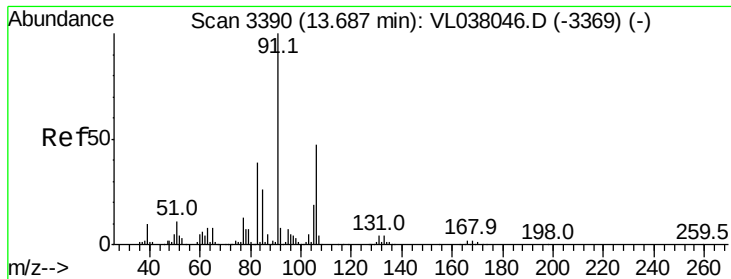
Tgt Ion: 91 Resp: 17023

Ion Ratio Lower Upper

91 100

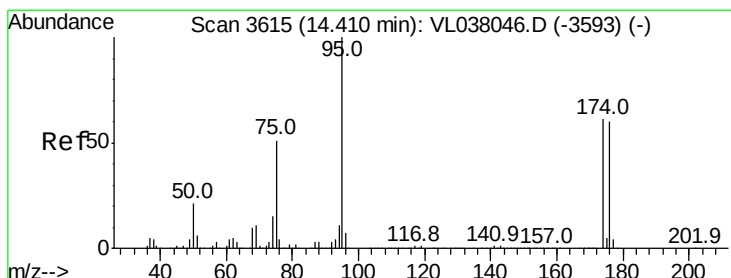
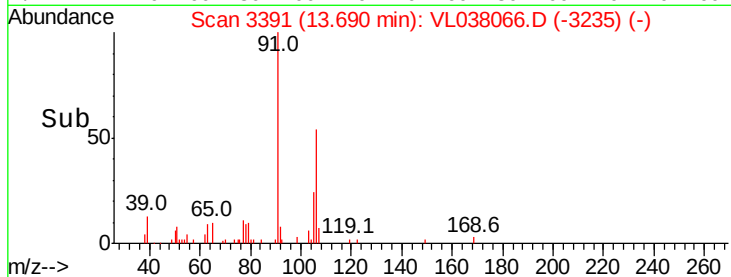
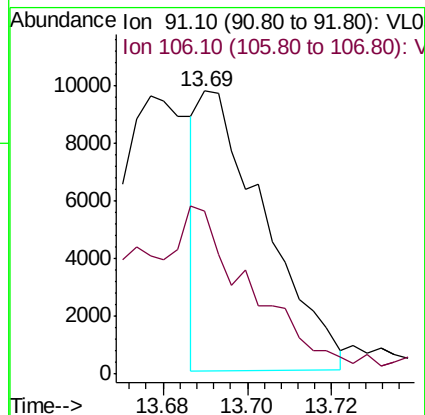
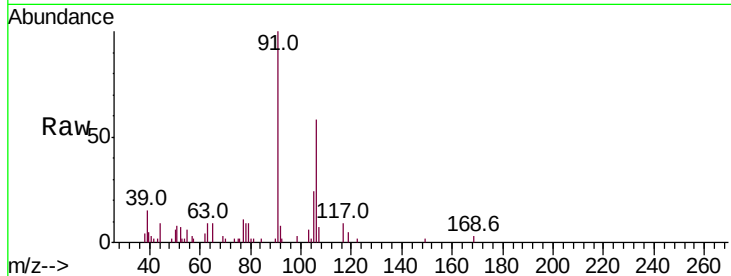
106 0.0 38.1 57.1#





#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.69
Delta R.T. MSVOA_1
Lab File: ClientSampleId:
Acq: 18 Nov 2021 23:04

Tot Ion: 91 Resp: 10518
Ion Ratio Lower Upper
91 100
106 118.8 24.2 72.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.253 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.00 min
Lab File: VL038066.D
Acq: 18 Nov 2021 23:04

Tgt Ion: 95 Resp: 1466985
Ion Ratio Lower Upper
95 100
174 67.6 53.1 79.7
175 4.7 4.0 6.0

