

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012422\
 Data File : VL038269.D
 Acq On : 24 Jan 2022 21:07
 Operator : SY/AP
 Sample : N1211-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENTDL

Quant Time: Jan 24 22:06:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	860155	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2269435	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1904301	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1421741	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

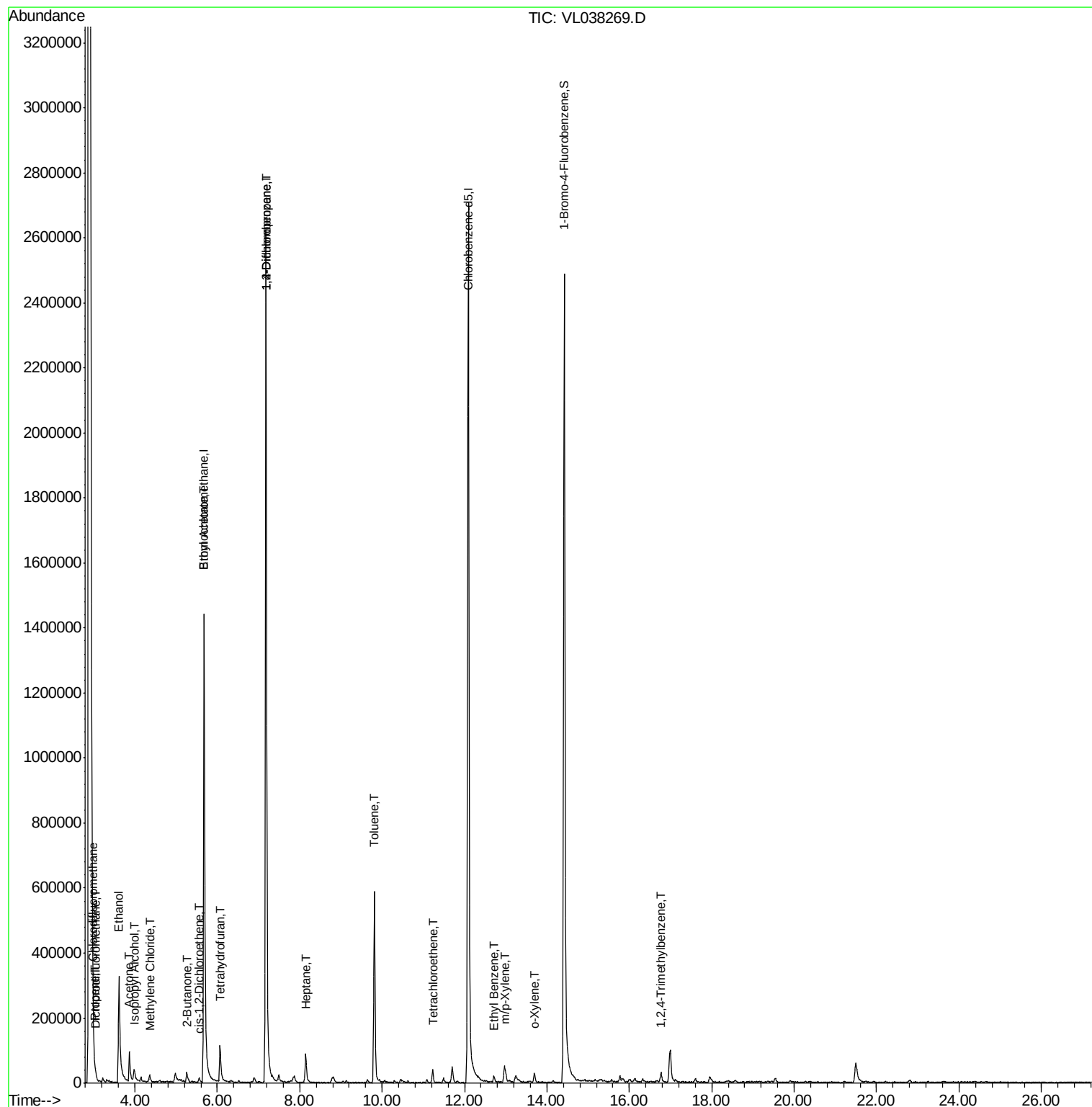
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	7117	0.039	ppbv	98
3) Chlorodifluoromethane	3.00	51	5621	0.033	ppbv #	77
9) Propene	3.03	41	4356	0.078	ppbv	98
10) Heptane	8.14	43	5732	0.040	ppbv #	78
13) Ethanol	3.61	45	506970	84.720	ppbv	99
15) Acetone	3.86	43	92738	1.223	ppbv #	86
19) Isopropyl Alcohol	3.98	45	21409	0.451	ppbv #	89
20) Methylene Chloride	4.36	84	7508	0.170	ppbv	85
25) Ethyl Acetate	5.69	43	53592	0.252	ppbv #	82
31) cis-1,2-Dichloroethene	5.55	61	3572	0.041	ppbv	96
34) 2-Butanone	5.26	43	43430	0.585	ppbv	97
39) 1,2-Dichloropropane	7.18	63	594633	7.306	ppbv #	25
41) Tetrahydrofuran	6.07	42	71312	1.429	ppbv	92
52) Tetrachloroethene	11.22	164	2893	0.042	ppbv #	17
53) Toluene	9.81	91	500706	2.253	ppbv	99
58) Ethyl Benzene	12.71	91	10664	0.038	ppbv	100
59) m/p-Xylene	12.99	91	11364	0.048	ppbv #	32
60) o-Xylene	13.70	91	8757	0.039	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.77	105	10108	0.046	ppbv #	83

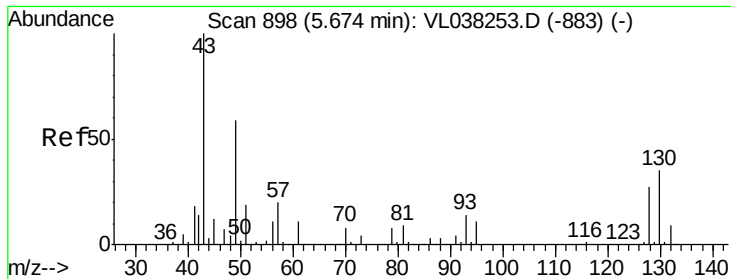
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL012422\
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Instrument :
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SVE-INFLUENTDL

Quant Time: Jan 24 22:06:06 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: SVE-INFLUENTDL

Acq: 24 Jan 2022 21:07

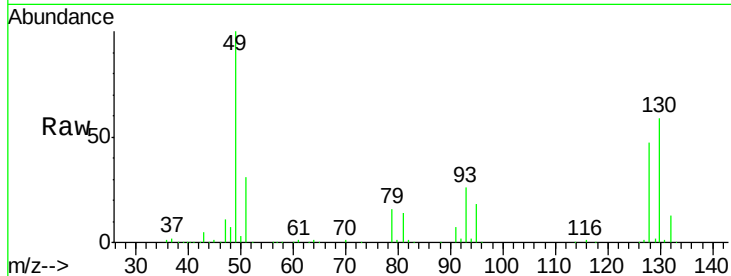
Tgt Ion: 49 Resp: 860155

Ion Ratio Lower Upper

49 100

128 47.8 24.5 73.5

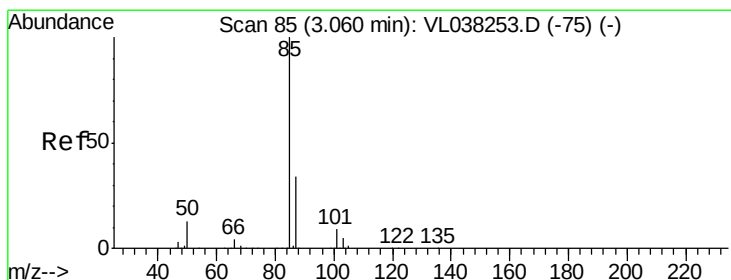
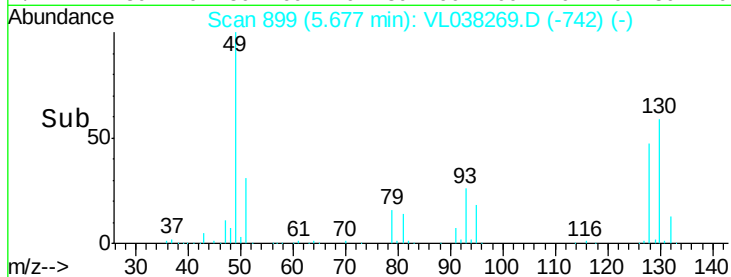
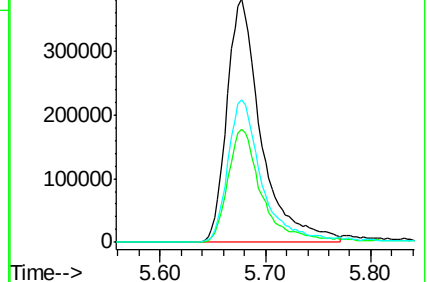
130 60.0 30.1 90.5



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: 0.039 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.00 min

Lab File: VL038269.D

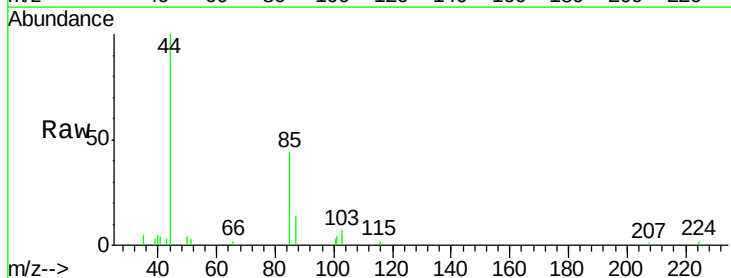
Acq: 24 Jan 2022 21:07

Tgt Ion: 85 Resp: 7117

Ion Ratio Lower Upper

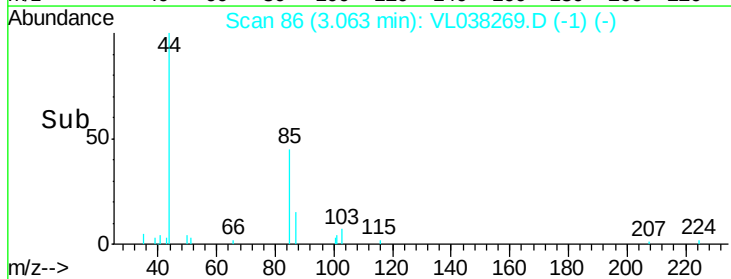
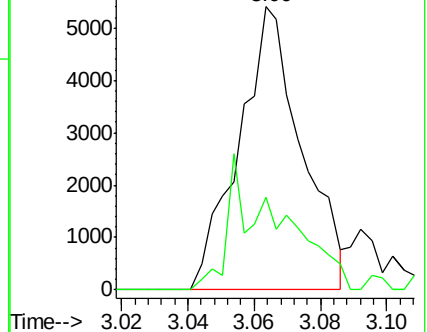
85 100

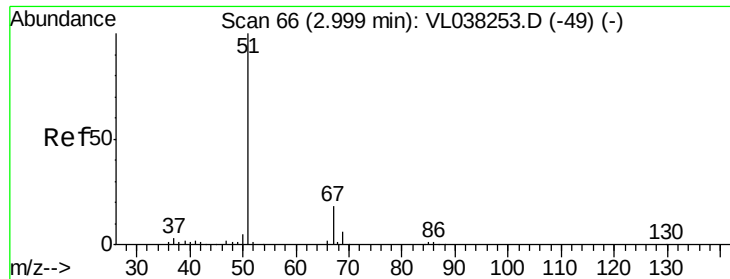
87 32.8 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

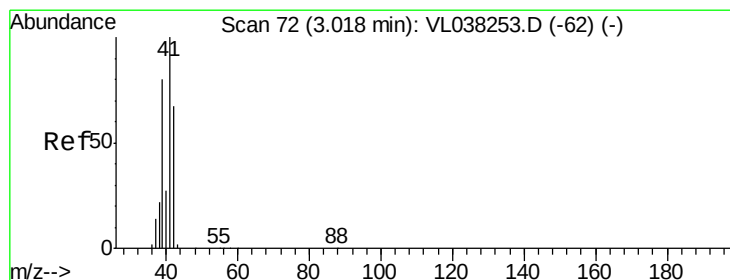
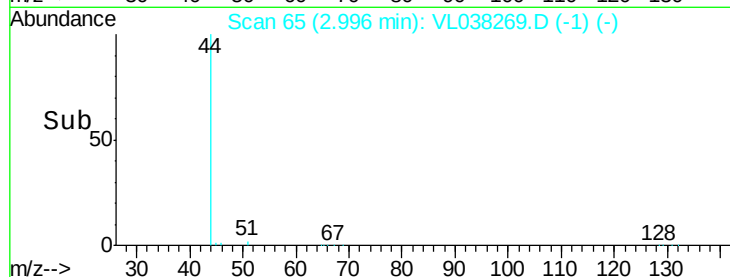
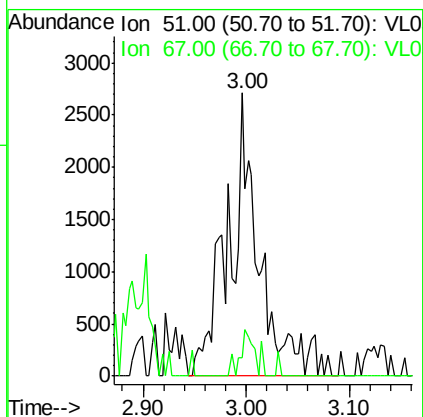
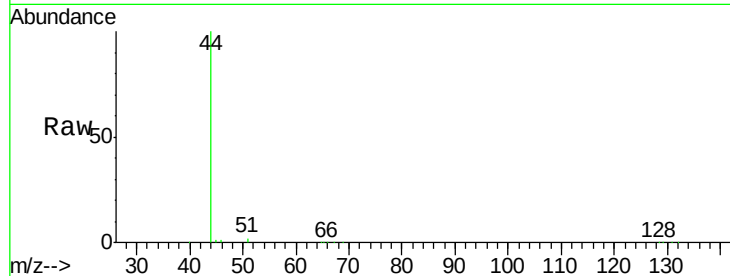
Ion 87.00 (86.70 to 87.70): VL0





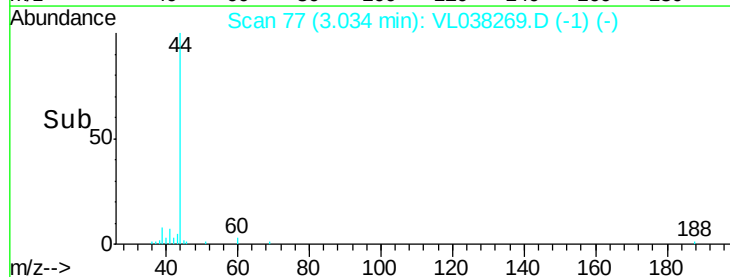
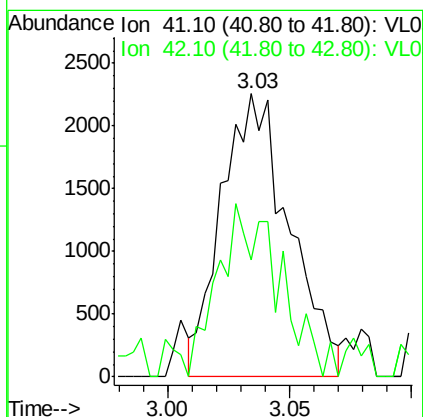
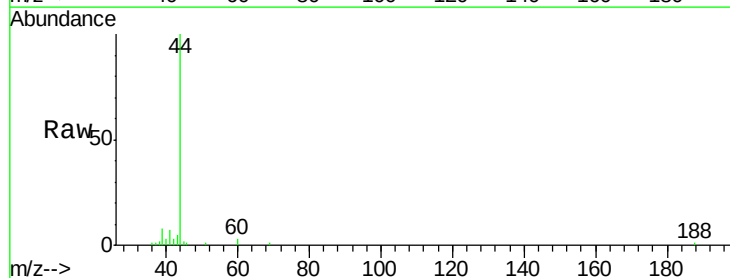
#3
 Chlorodifluoromethane
 Concen: 0.033 ppbv
 RT: 3.00
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 SVE-INFLUENTDL
 Acq: 24 Jan 2022 21:07

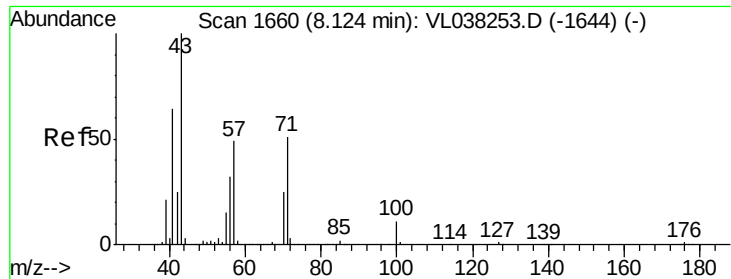
Tgt Ion: 51 Resp: 5621
 Ion Ratio Lower Upper
 51 100
 67 8.0 14.4 21.6#



#9
 Propene
 Concen: 0.078 ppbv
 RT: 3.03 min Scan# 77
 Delta R.T. 0.02 min
 Lab File: VL038269.D
 Acq: 24 Jan 2022 21:07

Tgt Ion: 41 Resp: 4356
 Ion Ratio Lower Upper
 41 100
 42 70.2 54.9 82.3





#10

Heptane

Concen: 0.040 ppbv

RT: 8.14 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVE-INFLUENTDL

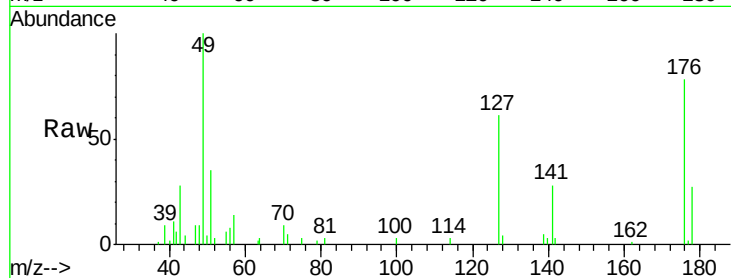
Acq: 24 Jan 2022 21:07

Tgt Ion: 43 Resp: 5732

Ion Ratio Lower Upper

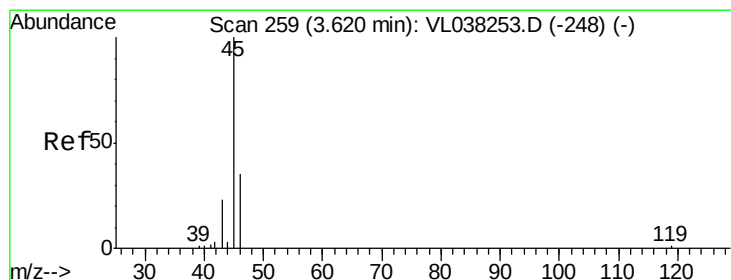
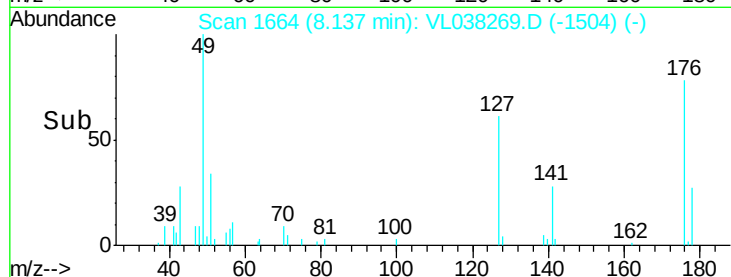
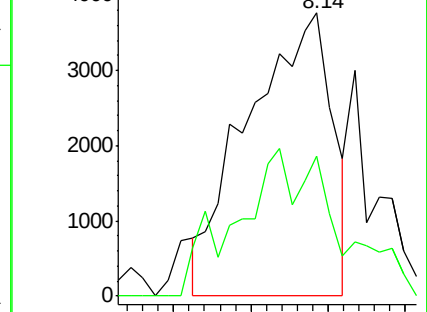
43 100

57 64.4 39.5 59.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#13

Ethanol

Concen: 84.720 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL038269.D

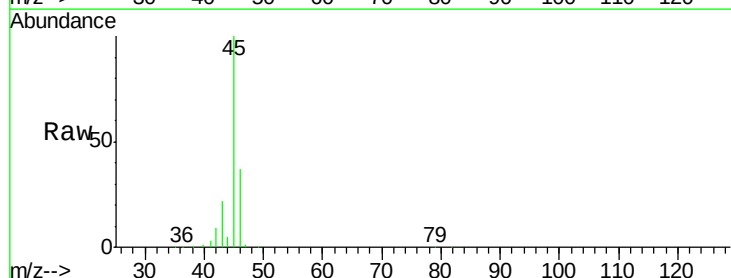
Acq: 24 Jan 2022 21:07

Tgt Ion: 45 Resp: 506970

Ion Ratio Lower Upper

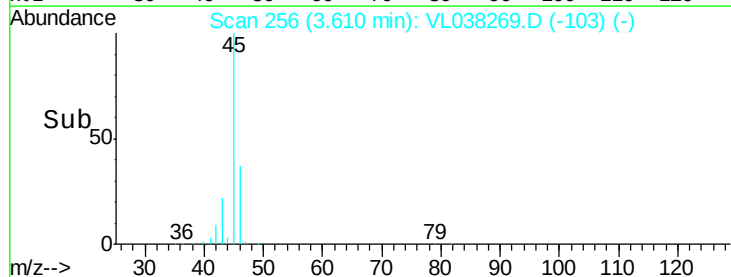
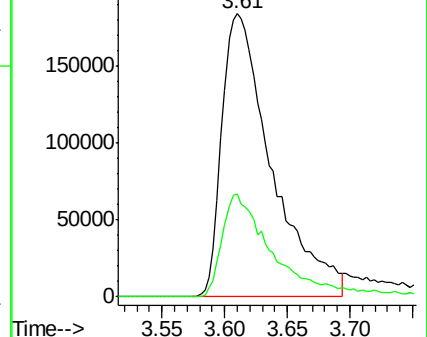
45 100

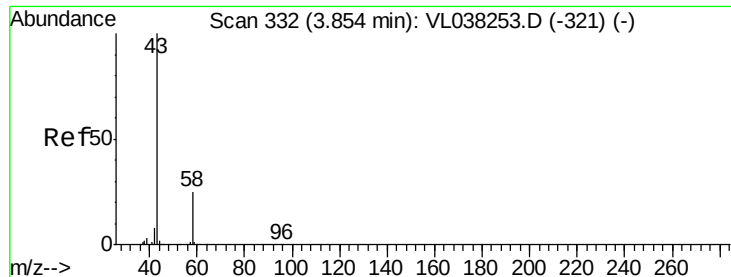
46 37.9 15.4 61.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.223 ppbv

RT: 3.86

Delta R.T.

Lab File:

Acq: 24 Jan 2022 21:07

Instrument:

MSVOA_1

ClientSampleId:

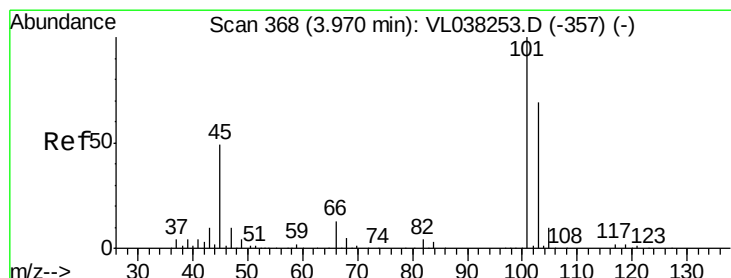
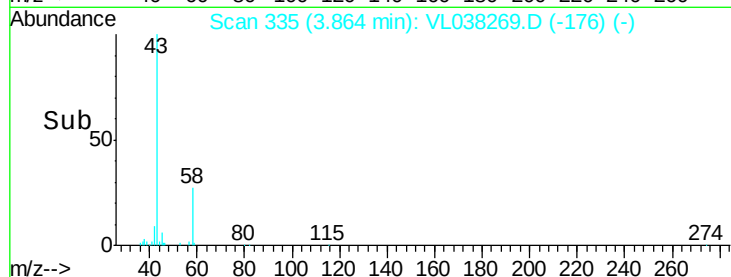
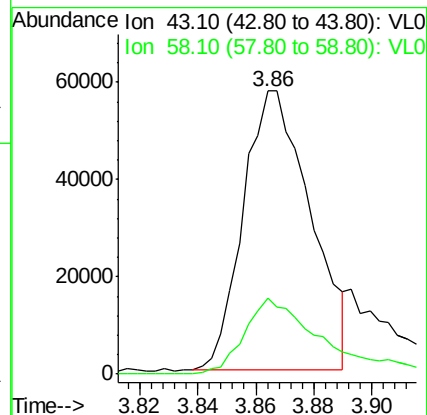
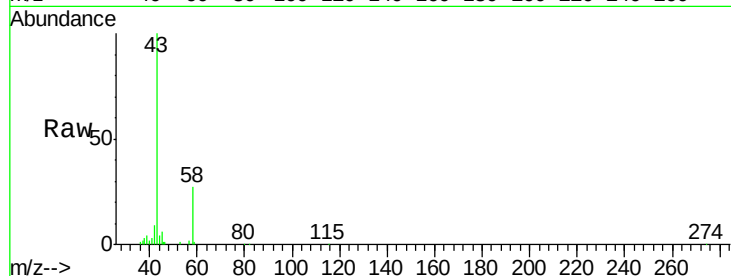
SVE-INFLUENTDL

Tgt Ion: 43 Resp: 92738

Ion Ratio Lower Upper

43 100

58 34.0 21.5 32.3#



#19

Isopropyl Alcohol

Concen: 0.451 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL038269.D

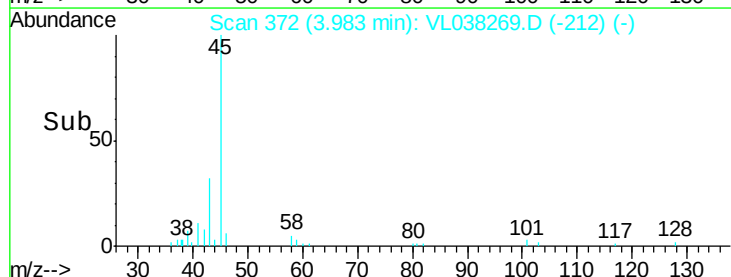
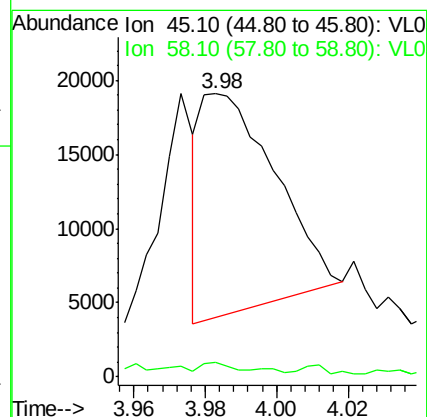
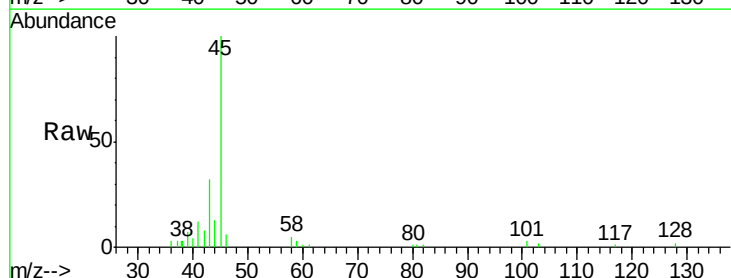
Acq: 24 Jan 2022 21:07

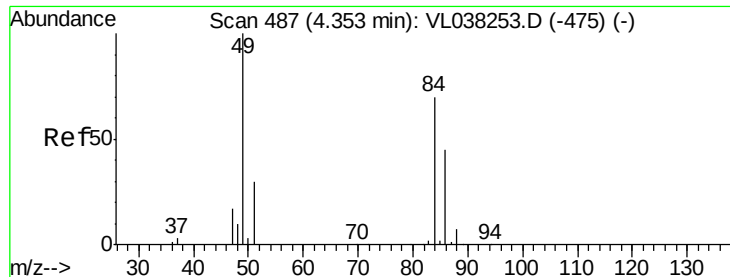
Tgt Ion: 45 Resp: 21409

Ion Ratio Lower Upper

45 100

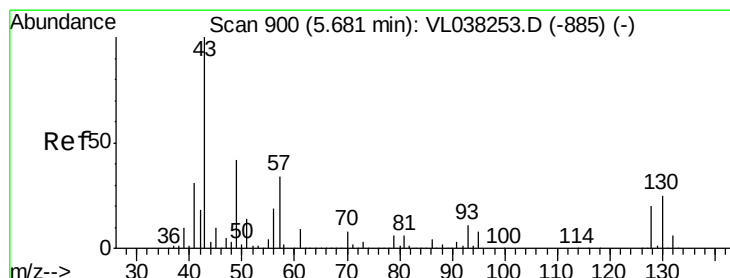
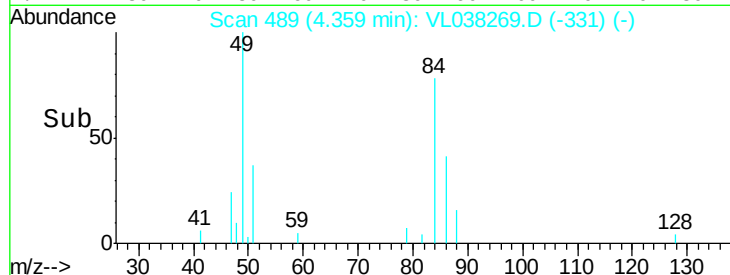
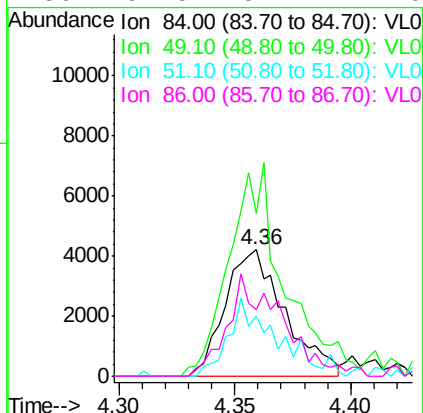
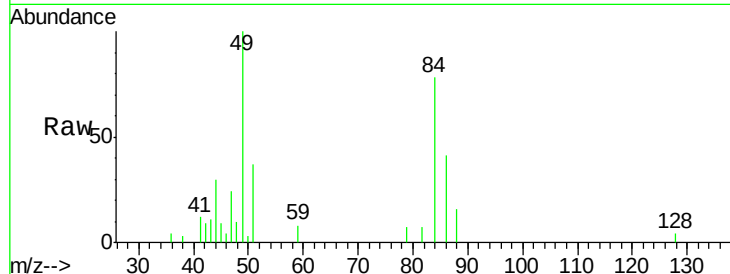
58 6.5 2.3 3.5#





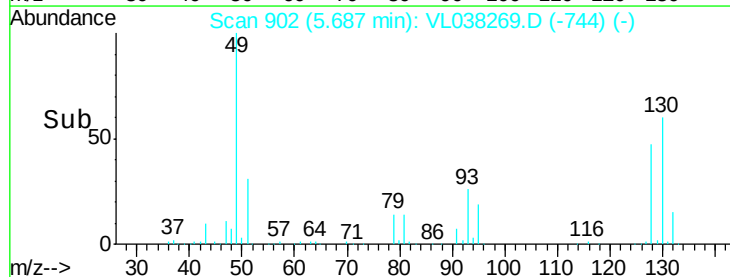
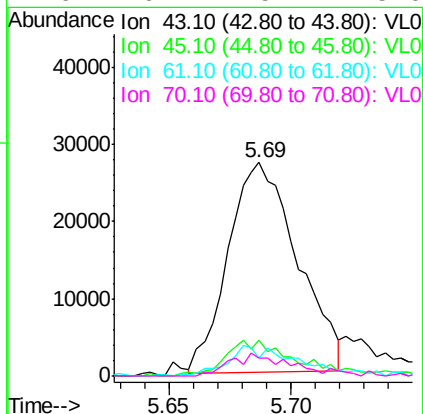
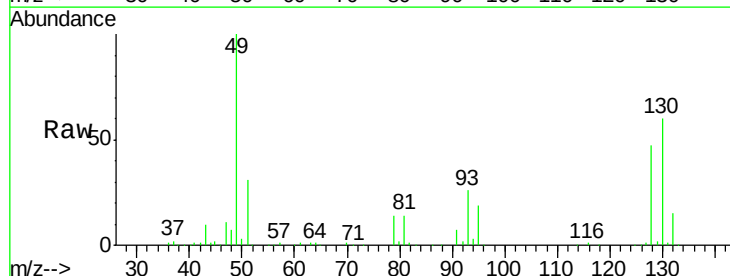
#20
Methylene Chloride
Concen: 0.170 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 21:07

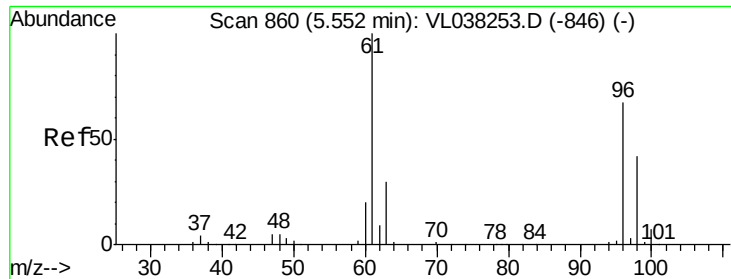
Tgt Ion:	84	Resp:	7508
Ion	Ratio	Lower	Upper
84	100		
49	120.9	115.0	172.6
51	47.8	35.0	52.6
86	52.5	51.4	77.0



#25
Ethyl Acetate
Concen: 0.252 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL038269.D
Acq: 24 Jan 2022 21:07

Tgt Ion:	43	Resp:	53592
Ion	Ratio	Lower	Upper
43	100		
45	18.7	7.9	11.9#
61	15.8	7.8	11.8#
70	10.4	5.4	8.0#





#31

cis-1,2-Dichloroethene

Concen: 0.041 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: SVE-INFLUENTDL

Acq: 24 Jan 2022 21:07

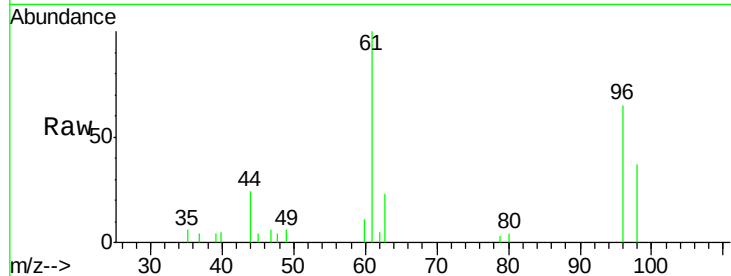
Tgt Ion: 61 Resp: 3572

Ion Ratio Lower Upper

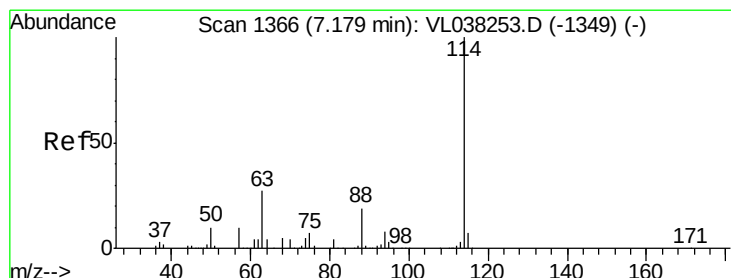
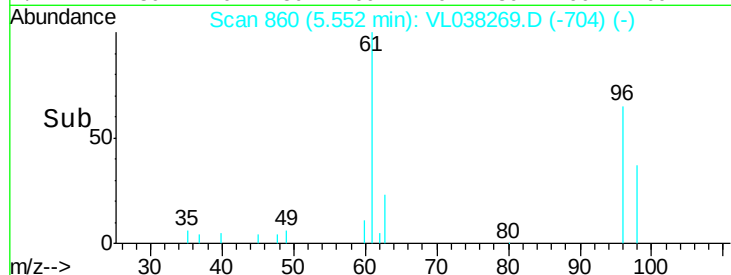
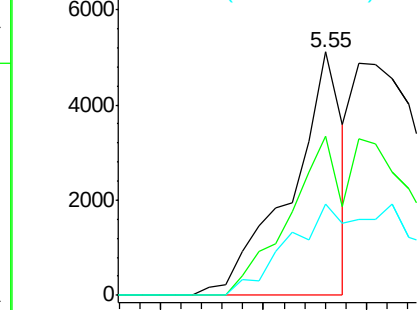
61 100

96 65.4 53.3 79.9

98 37.4 33.7 50.5



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL038269.D

Acq: 24 Jan 2022 21:07

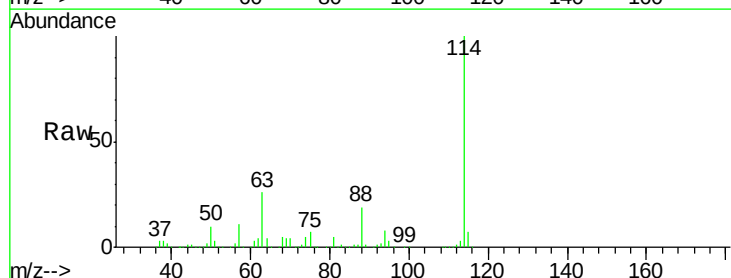
Tgt Ion: 114 Resp: 2269435

Ion Ratio Lower Upper

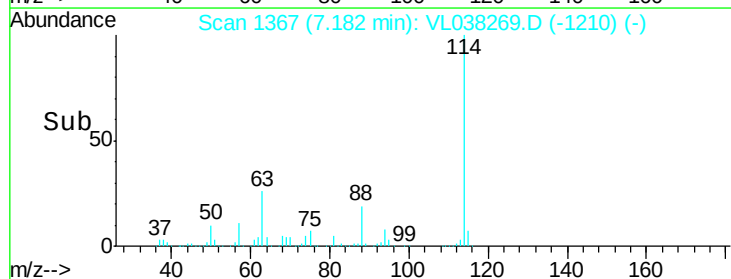
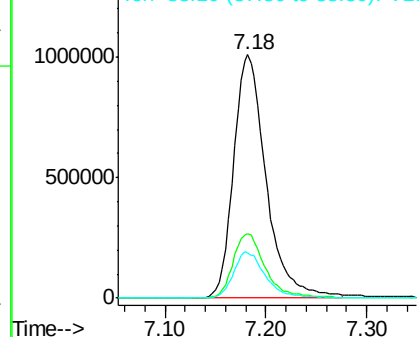
114 100

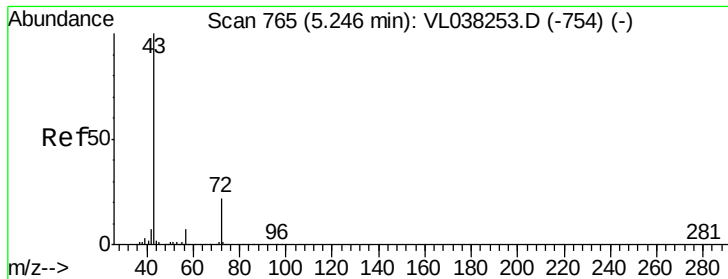
63 26.5 22.0 33.0

88 18.8 15.0 22.6



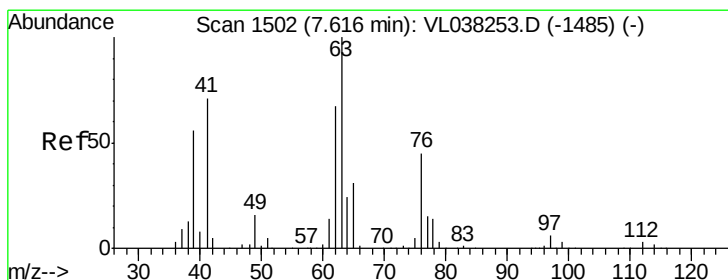
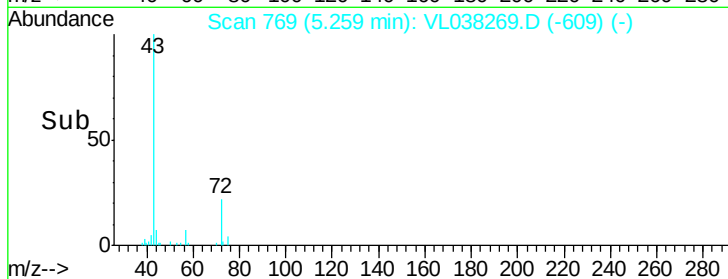
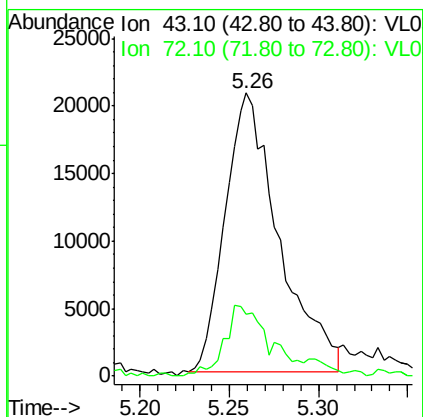
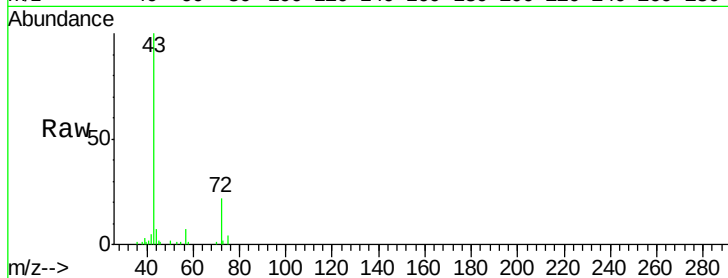
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





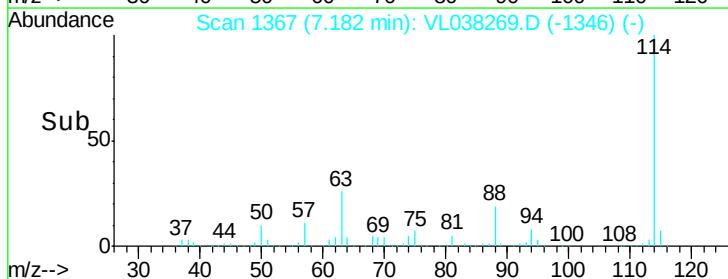
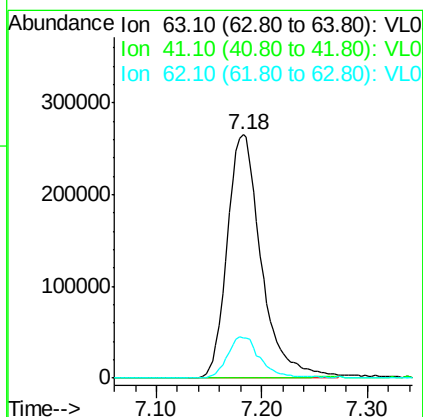
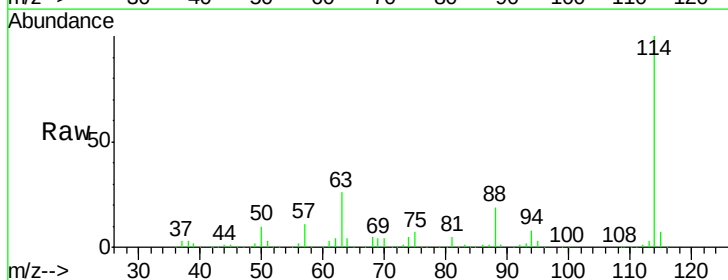
#34
 2-Butanone
 Concen: 0.585 ppbv
 RT: 5.26
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Jan 2022 21:07

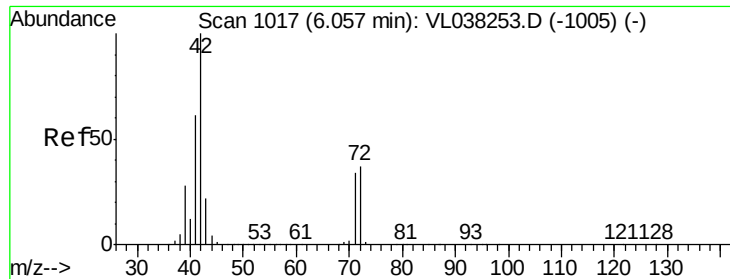
Tgt Ion: 43 Resp: 43430
 Ion Ratio Lower Upper
 43 100
 72 24.1 18.1 27.1



#39
 1,2-Dichloropropane
 Concen: 7.306 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.43 min
 Lab File: VL038269.D
 Acq: 24 Jan 2022 21:07

Tgt Ion: 63 Resp: 594633
 Ion Ratio Lower Upper
 63 100
 41 0.0 56.6 85.0#
 62 16.4 53.9 80.9#





#41

Tetrahydrofuran

Concen: 1.429 ppbv

RT: 6.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 21:07 SVE-INFLUENTDL

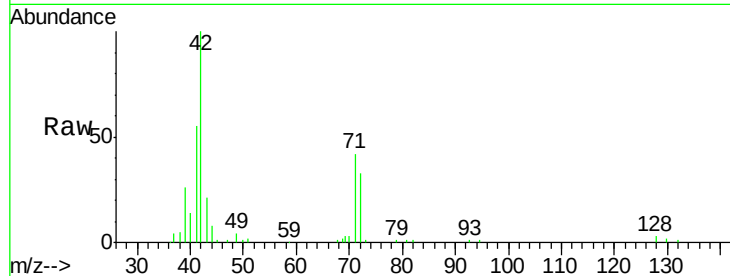
Tgt Ion: 42 Resp: 71312

Ion Ratio Lower Upper

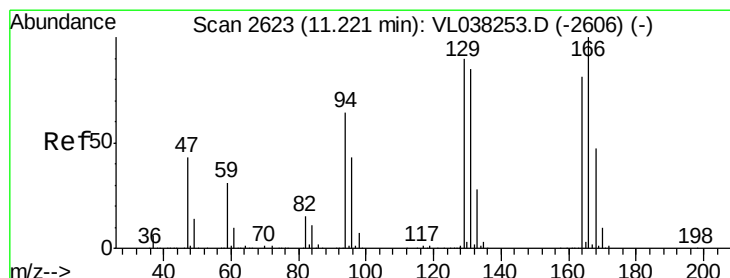
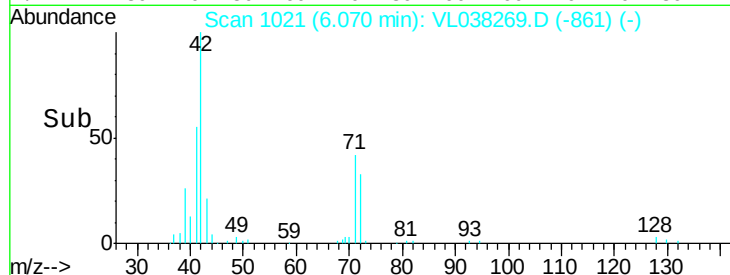
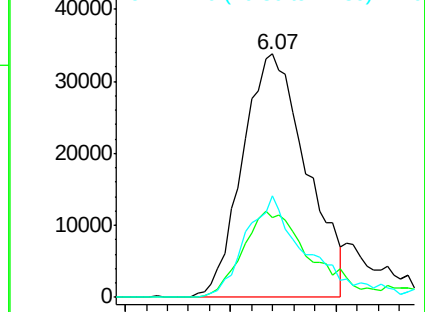
42 100

72 41.1 29.7 44.5

71 42.6 29.4 44.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#52

Tetrachloroethene

Concen: 0.042 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL038269.D

Acq: 24 Jan 2022 21:07

Tgt Ion: 164 Resp: 2893

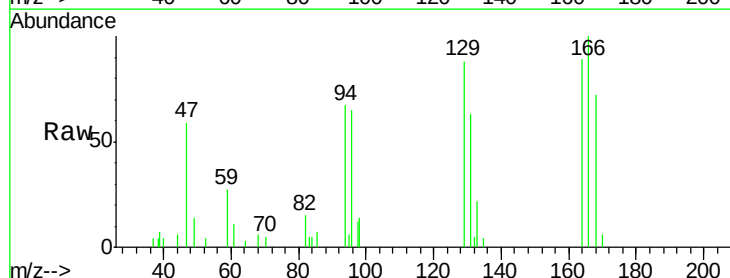
Ion Ratio Lower Upper

164 100

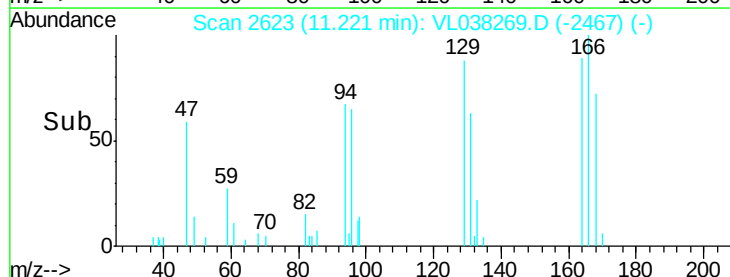
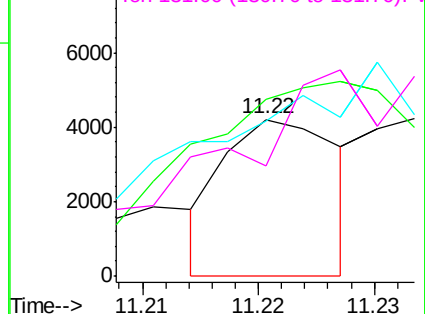
166 50.0 98.8 148.2#

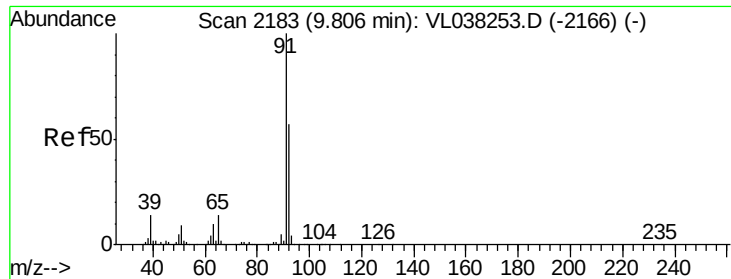
129 22.2 89.2 133.8#

131 0.0 83.6 125.4#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 2.253 ppbv

RT: 9.81

Delta R.T.

Lab File:

Acq: 24 Jan 2022 21:07

Instrument:

MSVOA_1

ClientSampleId:

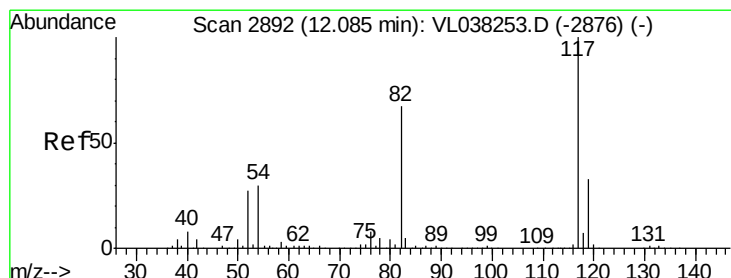
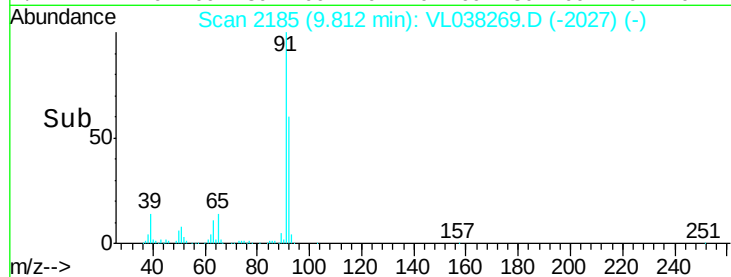
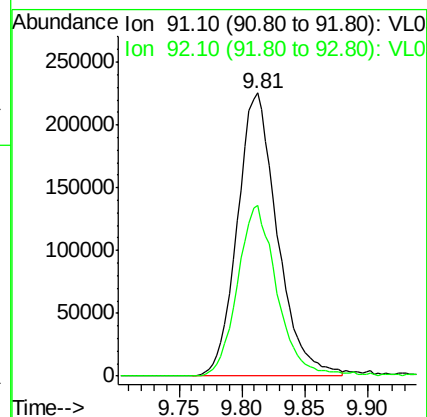
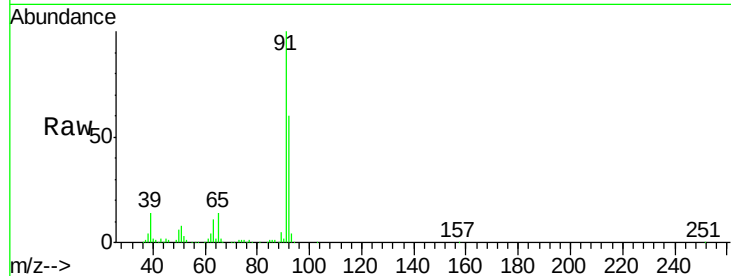
SVE-INFLUENTDL

Tgt Ion: 91 Resp: 500706

Ion Ratio Lower Upper

91 100

92 59.9 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.01 min

Lab File: VL038269.D

Acq: 24 Jan 2022 21:07

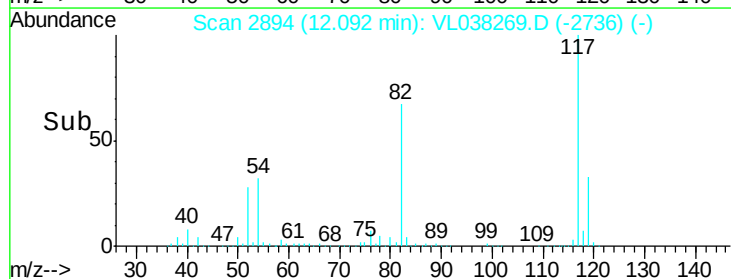
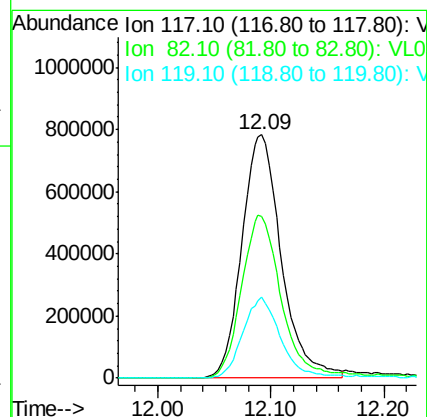
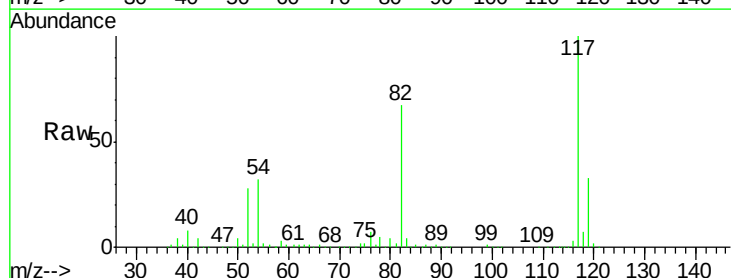
Tgt Ion: 117 Resp: 1904301

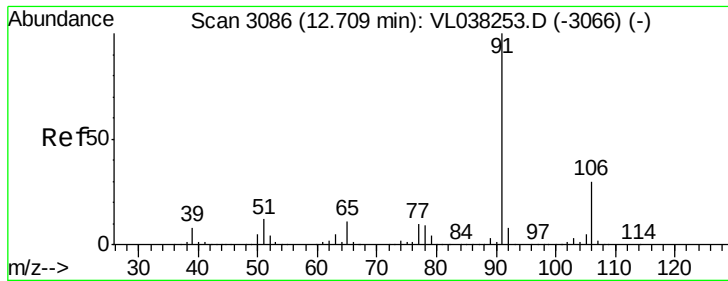
Ion Ratio Lower Upper

117 100

82 70.2 54.4 81.6

119 32.7 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.038 ppbv

RT: 12.71 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

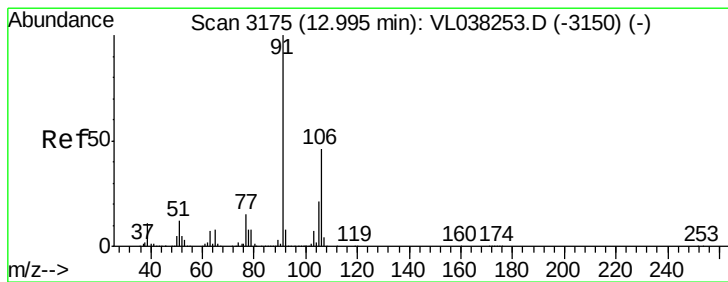
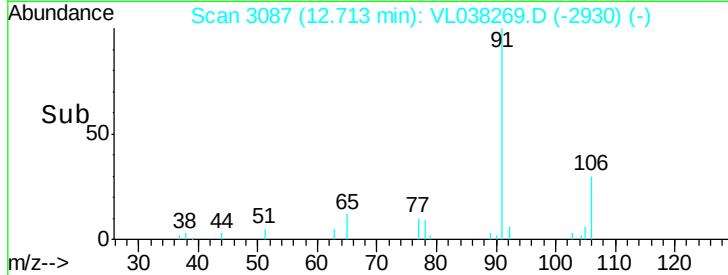
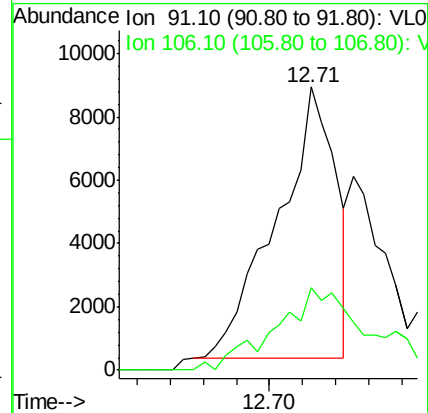
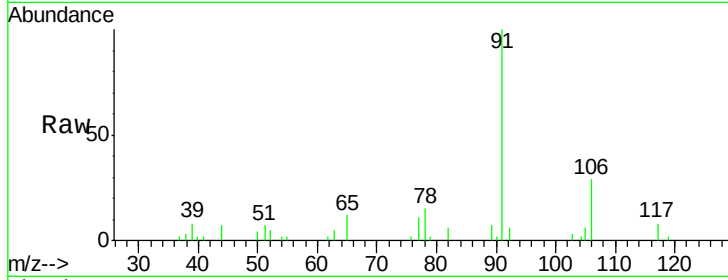
Acq: 24 Jan 2022 21:07

Tgt Ion: 91 Resp: 10664

Ion Ratio Lower Upper

91 100

106 30.2 24.1 36.1



#59

m/p-Xylene

Concen: 0.048 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VL038269.D

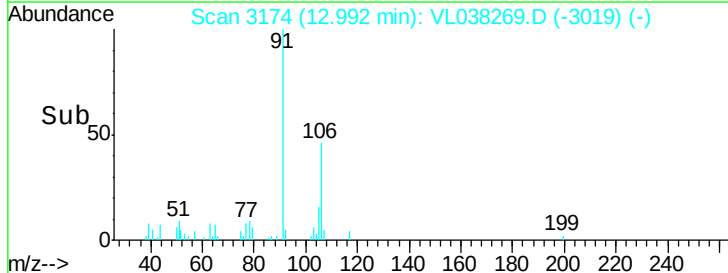
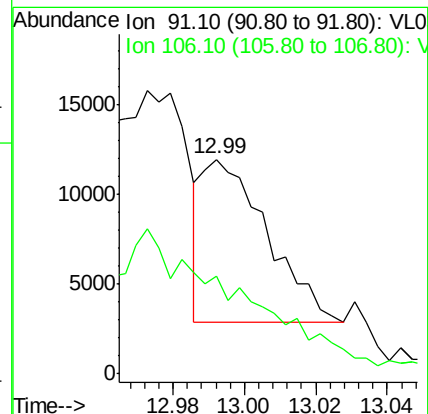
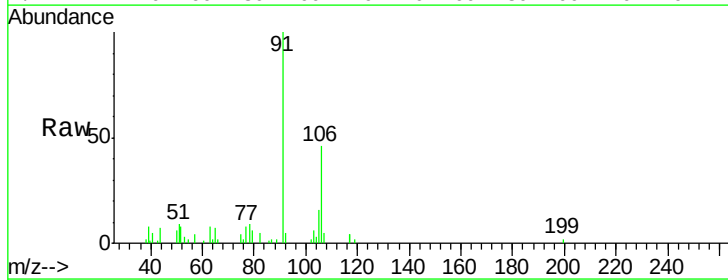
Acq: 24 Jan 2022 21:07

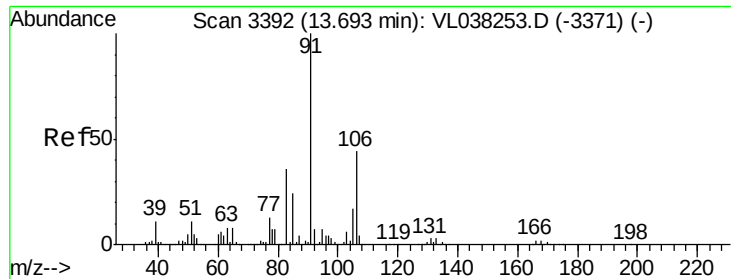
Tgt Ion: 91 Resp: 11364

Ion Ratio Lower Upper

91 100

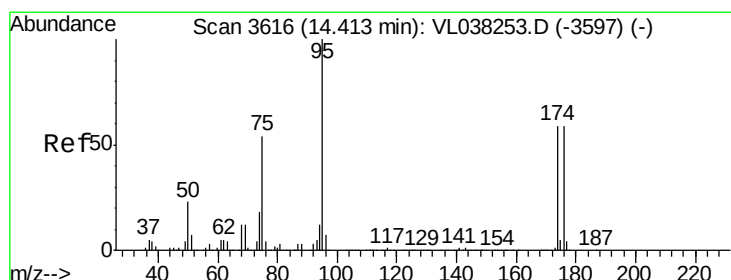
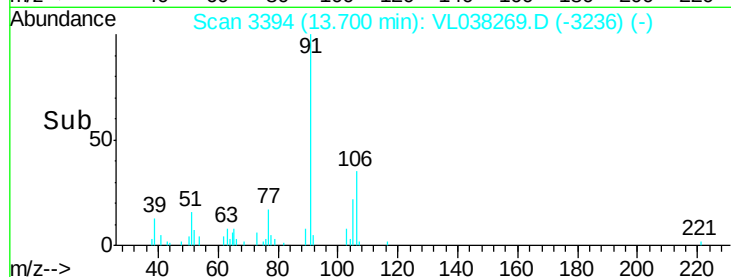
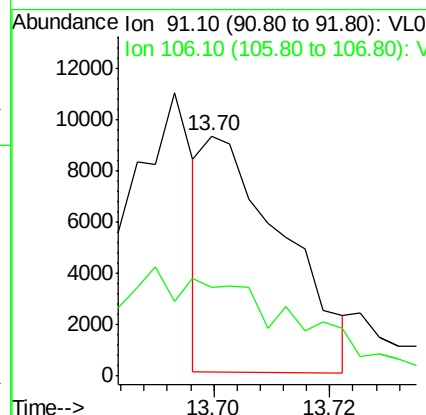
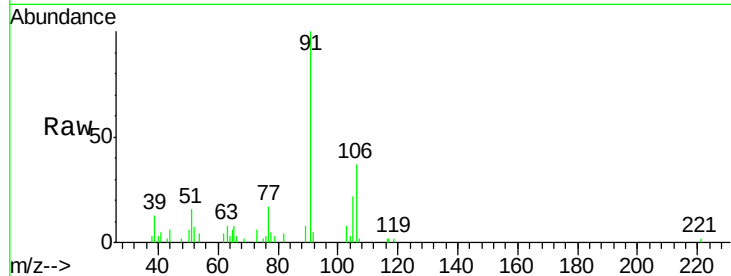
106 0.0 34.8 52.2#





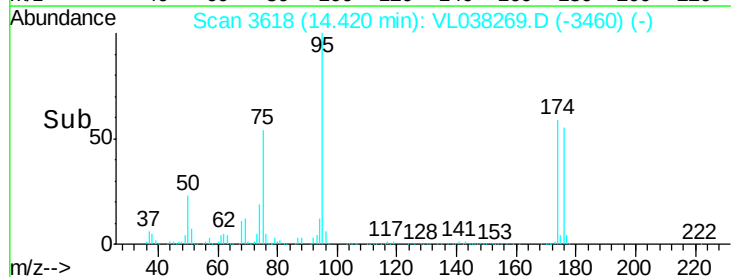
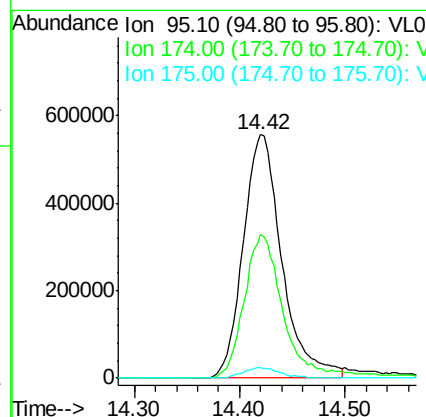
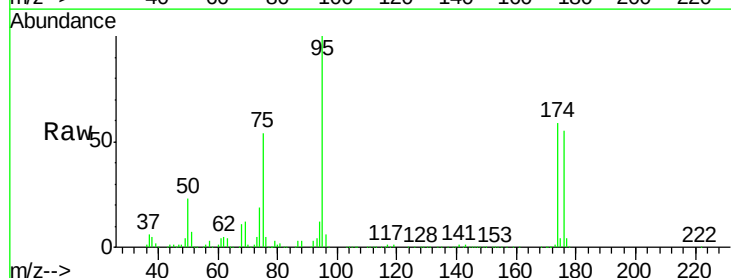
#60
o-Xylene
Concen: 0.039 ppbv
RT: 13.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 21:07

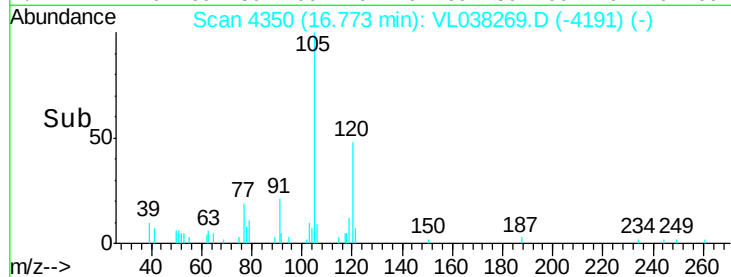
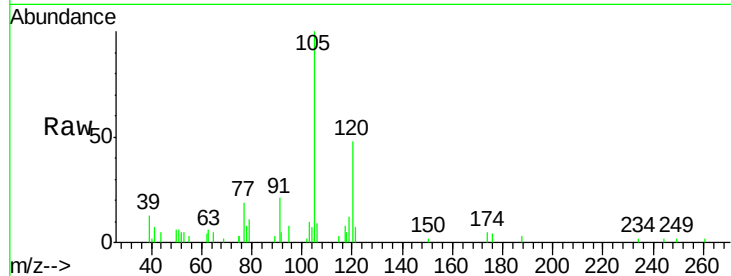
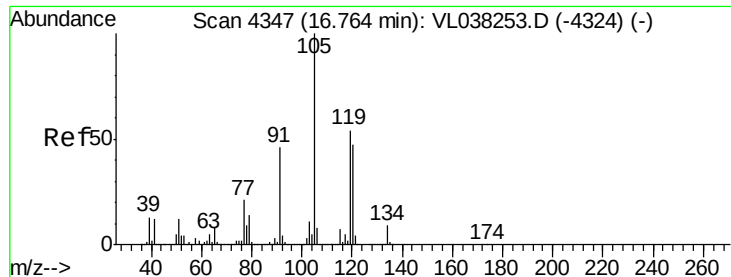
Tgt Ion: 91 Resp: 8757
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.837 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.01 min
Lab File: VL038269.D
Acq: 24 Jan 2022 21:07

Tgt Ion: 95 Resp: 1421741
Ion Ratio Lower Upper
95 100
174 62.0 48.3 72.5
175 4.5 3.5 5.3





#74

1,2,4-Trimethylbenzene

Concen: 0.046 ppbv

RT: 16.77

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 21:07

Tgt Ion:105 Resp: 10108

Ion Ratio Lower Upper

105 100

120 48.3 37.2 55.8

91 22.2 36.6 55.0#

77 16.5 16.9 25.3#

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

