

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012622\
 Data File : VL038287.D
 Acq On : 26 Jan 2022 14:09
 Operator : SY/AP
 Sample : N1268-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Jan 27 02:53:59 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	5.65	49	845656	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2159517	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	1882220	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1428397	10.00	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

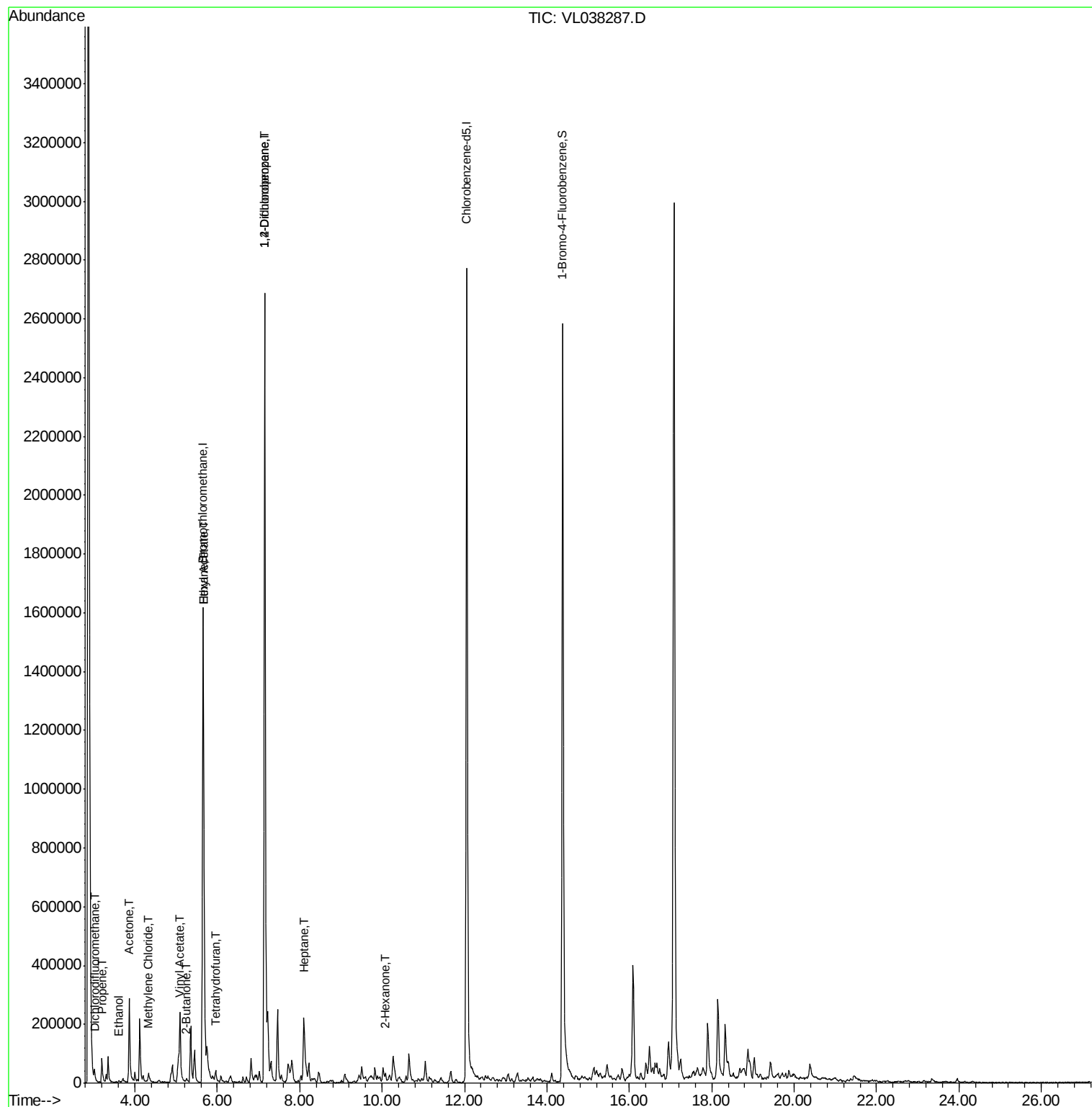
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	8609	0.048	ppbv #	77
9) Propene	3.20	41	26547	0.484	ppbv	85
10) Heptane	8.10	43	83141	0.590	ppbv	92
13) Ethanol	3.61	45	2765	0.470	ppbv #	37
15) Acetone	3.86	43	165988	2.227	ppbv #	76
20) Methylene Chloride	4.33	84	9306	0.215	ppbv	86
23) Vinyl Acetate	5.07	43	96466	0.890	ppbv #	93
25) Ethyl Acetate	5.67	43	176420	0.845	ppbv #	78
26) Hexane	5.67	57	239026	2.462	ppbv #	40
34) 2-Butanone	5.25	43	7118	0.101	ppbv #	66
39) 1,2-Dichloropropane	7.15	63	581067	7.503	ppbv #	28
41) Tetrahydrofuran	5.96	42	5771	0.122	ppbv #	38
51) 2-Hexanone	10.09	43	7824	0.141	ppbv #	31

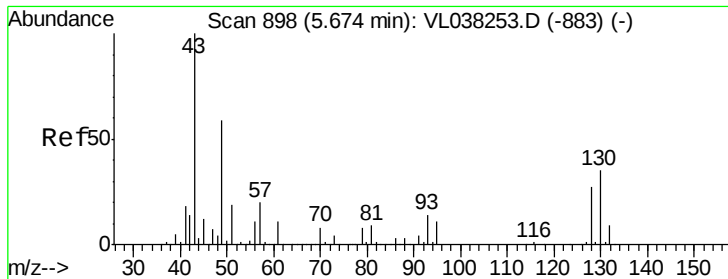
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-1DL

Quant Time: Jan 27 02:53:59 2022
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QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV-1DL

Acq: 26 Jan 2022 14:09

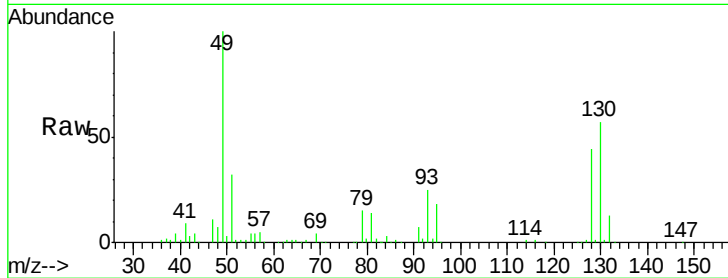
Tgt Ion: 49 Resp: 845656

Ion Ratio Lower Upper

49 100

128 44.5 24.5 73.5

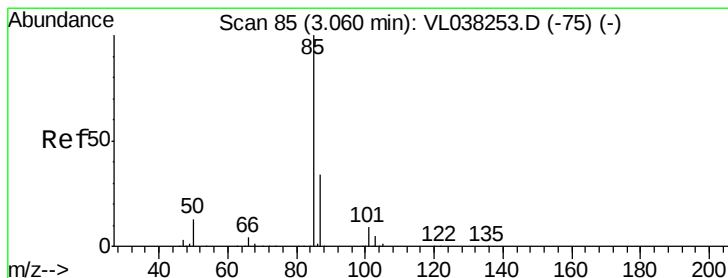
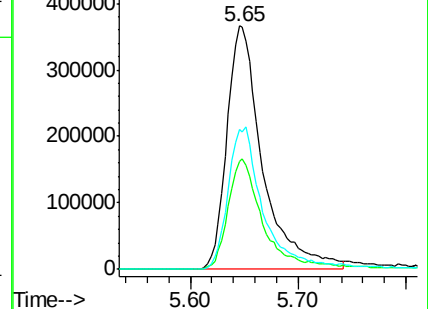
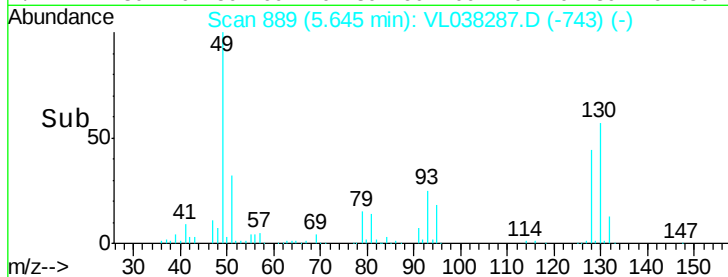
130 59.5 30.1 90.5



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: 0.048 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.02 min

Lab File: VL038287.D

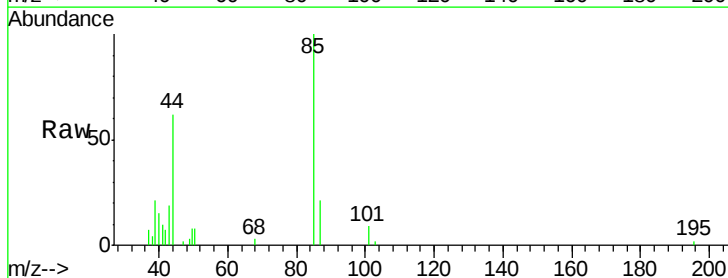
Acq: 26 Jan 2022 14:09

Tgt Ion: 85 Resp: 8609

Ion Ratio Lower Upper

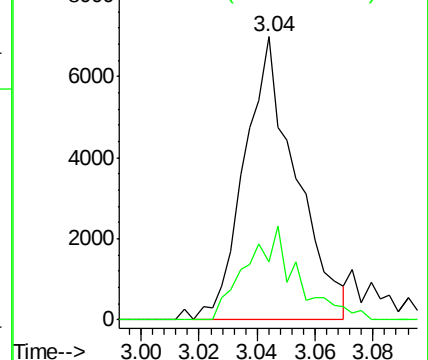
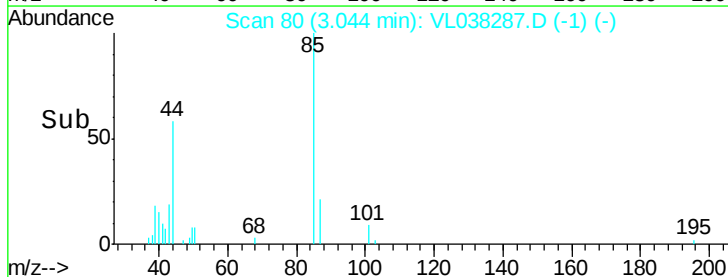
85 100

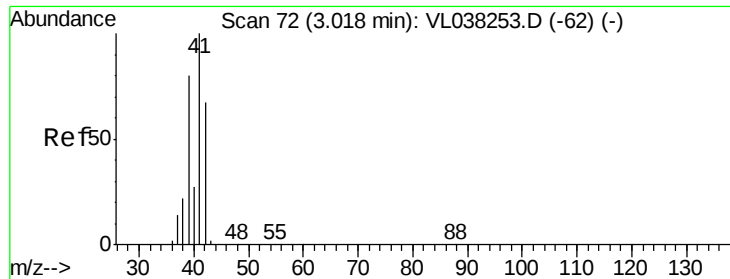
87 20.6 27.0 40.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.484 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV-1DL

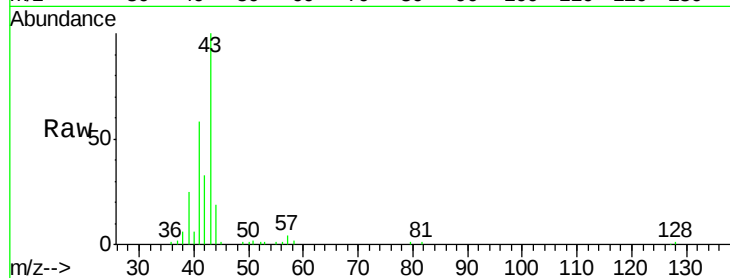
Acq: 26 Jan 2022 14:09

Tgt Ion: 41 Resp: 26547

Ion Ratio Lower Upper

41 100

42 80.4 54.9 82.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.20

20000

15000

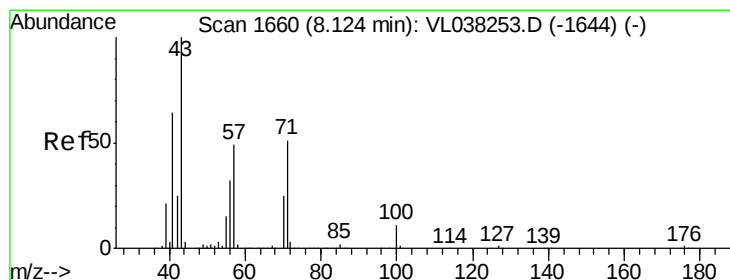
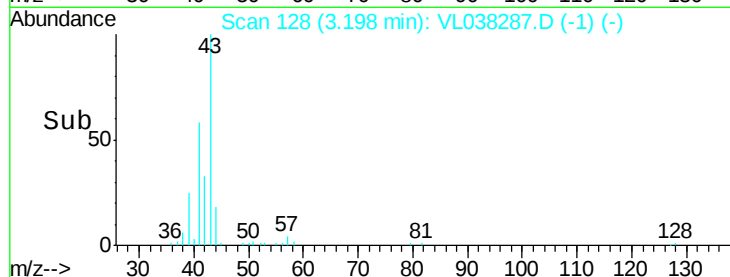
10000

5000

0

3.15 3.20 3.25

Time-->



#10

Heptane

Concen: 0.590 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL038287.D

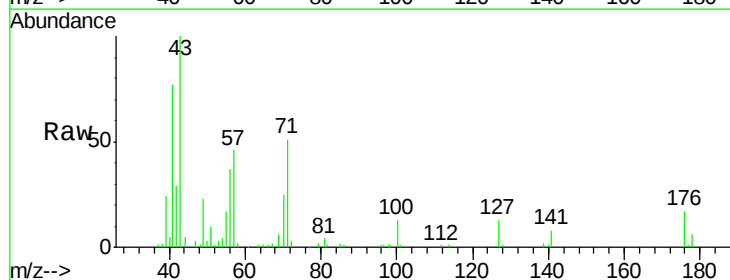
Acq: 26 Jan 2022 14:09

Tgt Ion: 43 Resp: 83141

Ion Ratio Lower Upper

43 100

57 55.0 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

40000

30000

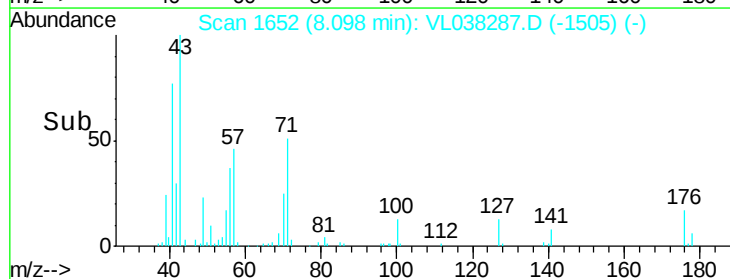
20000

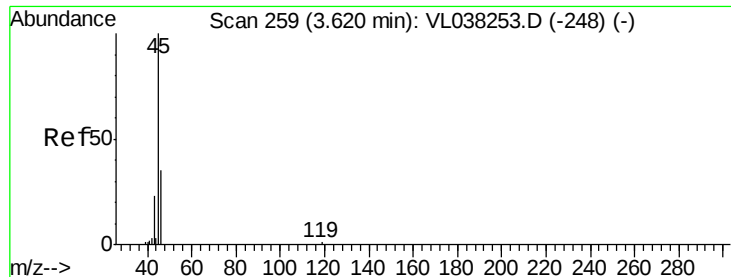
10000

0

8.05 8.10 8.15

Time-->





#13

Ethanol

Concen: 0.470 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

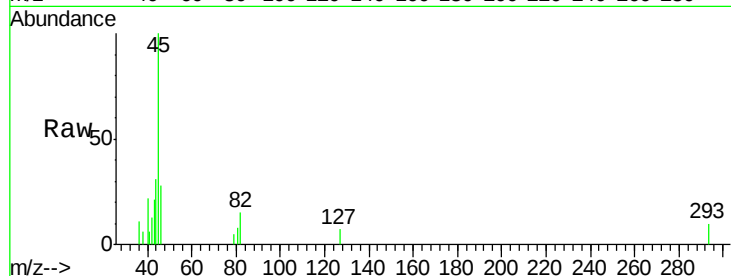
Acq: 26 Jan 2022 14:09 SV-1DL

Tgt Ion: 45 Resp: 2765

Ion Ratio Lower Upper

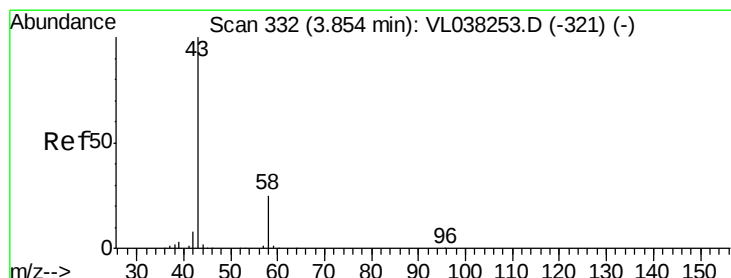
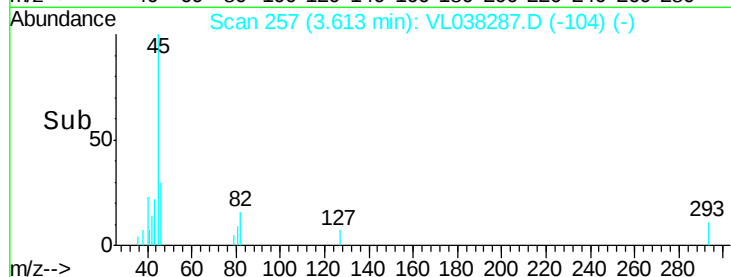
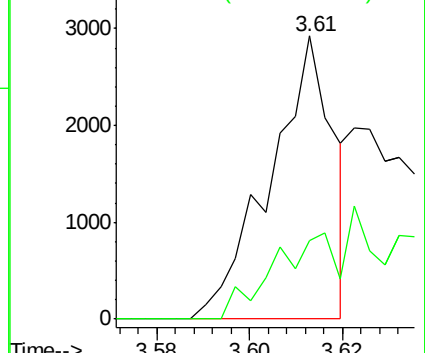
45 100

46 0.0 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: 2.227 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL038287.D

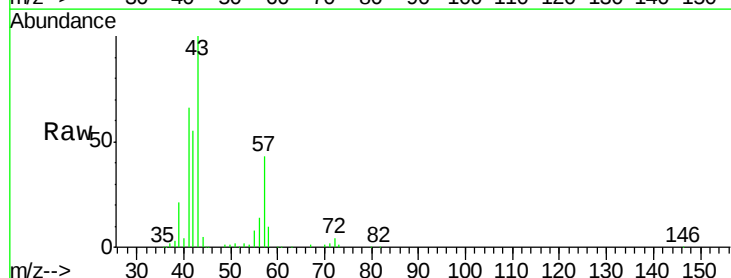
Acq: 26 Jan 2022 14:09

Tgt Ion: 43 Resp: 165988

Ion Ratio Lower Upper

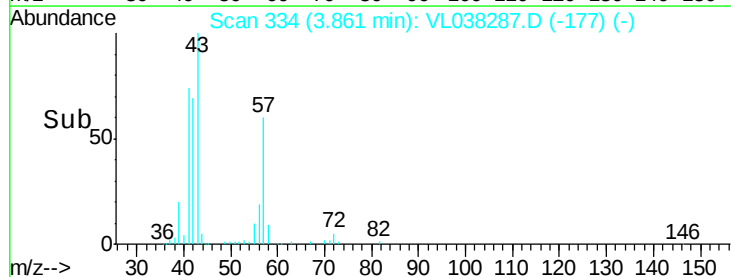
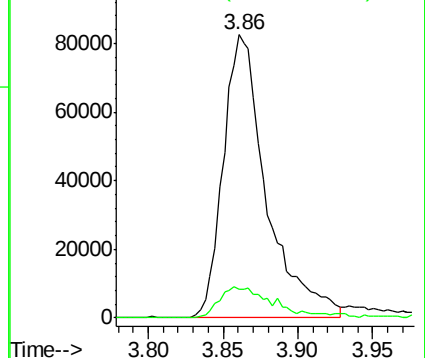
43 100

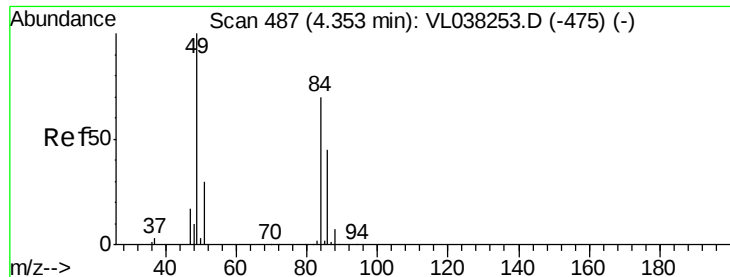
58 14.5 21.5 32.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

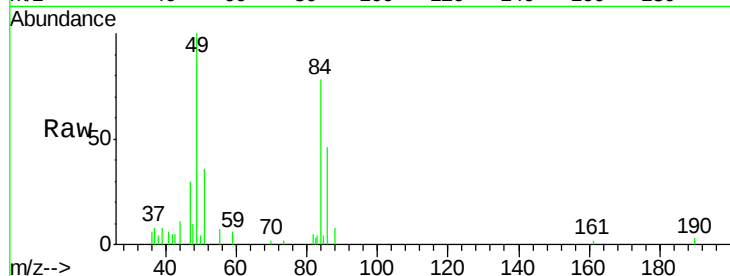
Ion 58.10 (57.80 to 58.80): VL0



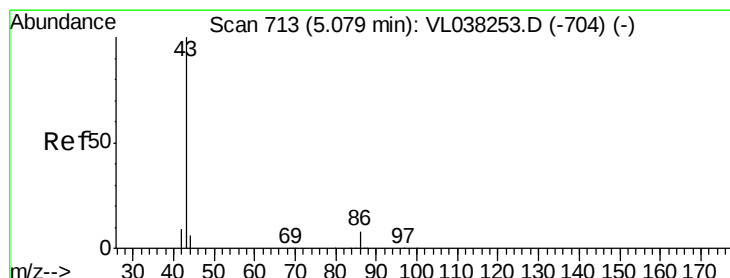
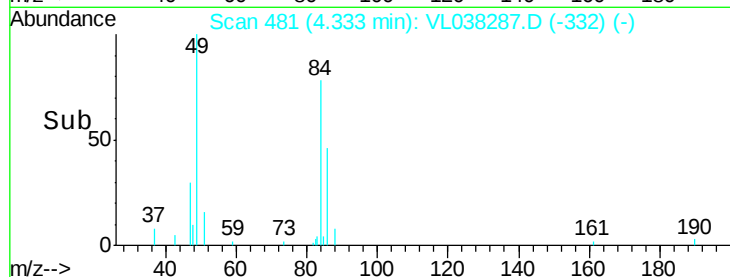
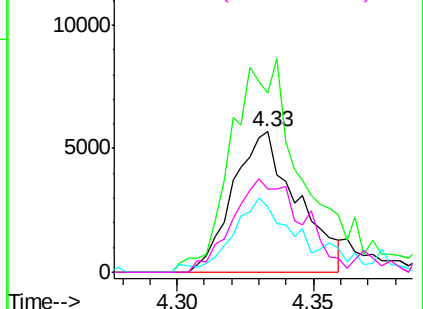


#20
Methylene Chloride
Concen: 0.215 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Jan 2022 14:09

Tgt Ion:	84	Resp:	9306
Ion	Ratio	Lower	Upper
84	100		
49	117.7	115.0	172.6
51	41.2	35.0	52.6
86	59.3	51.4	77.0

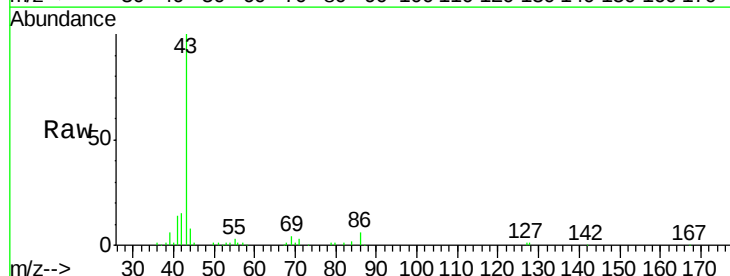


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

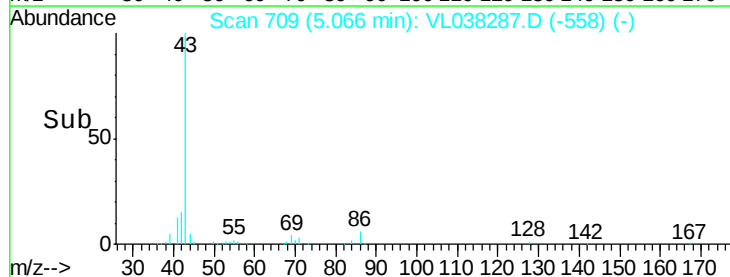
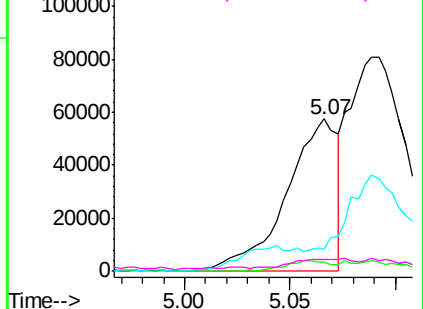


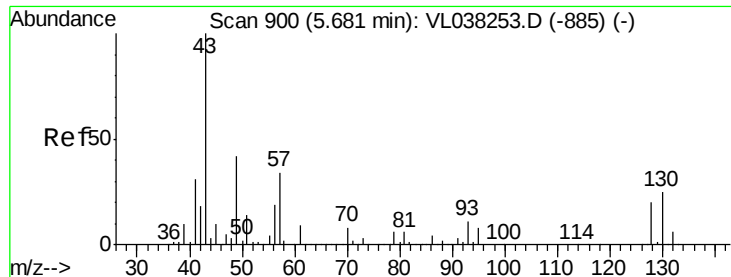
#23
Vinyl Acetate
Concen: 0.890 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL038287.D
Acq: 26 Jan 2022 14:09

Tgt Ion:	43	Resp:	96466
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.7	8.5
42	14.4	7.7	11.5#
44	5.6	4.2	6.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 0.845 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV-1DL

Acq: 26 Jan 2022 14:09

Tgt Ion: 43 Resp: 176420

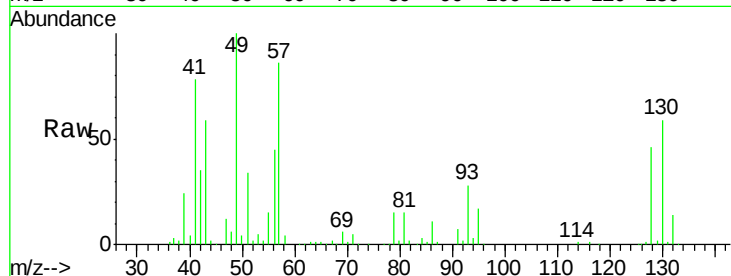
Ion Ratio Lower Upper

43 100

45 0.1 7.9 11.9#

61 0.3 7.8 11.8#

70 2.8 5.4 8.0#

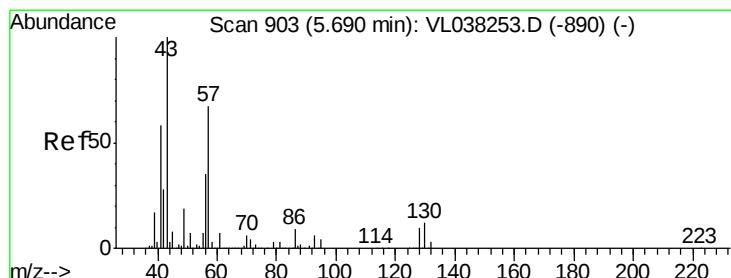
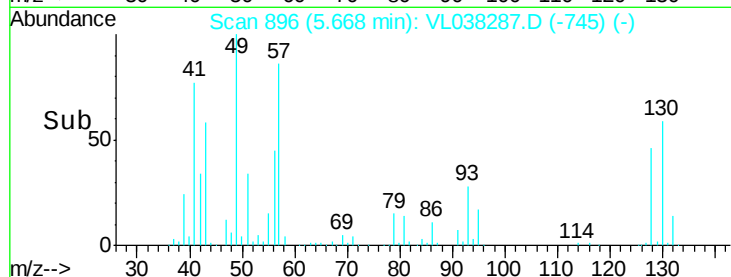
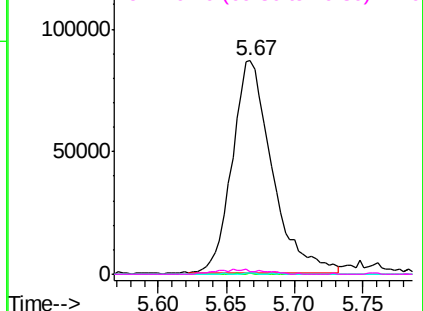


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.462 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL038287.D

Acq: 26 Jan 2022 14:09

Tgt Ion: 57 Resp: 239026

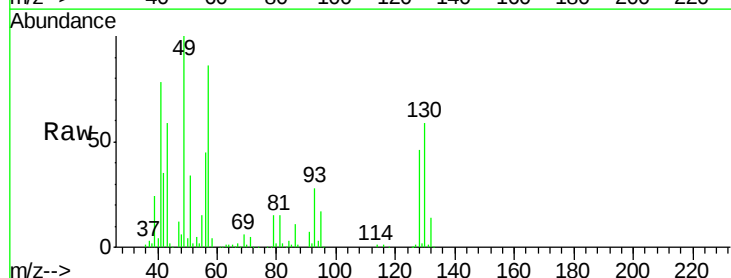
Ion Ratio Lower Upper

57 100

41 111.7 72.8 109.2#

43 78.0 177.0 265.6#

56 60.6 43.3 64.9

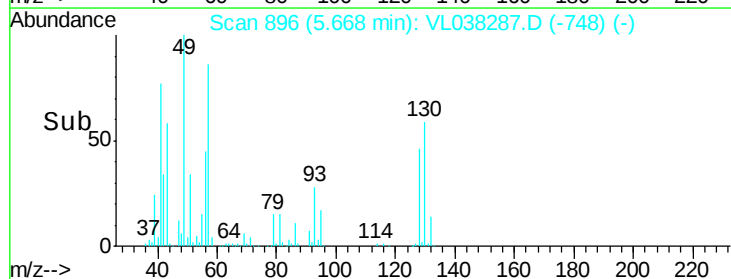
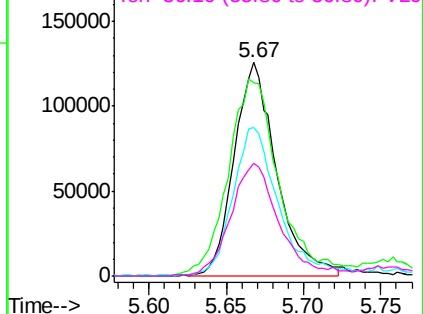


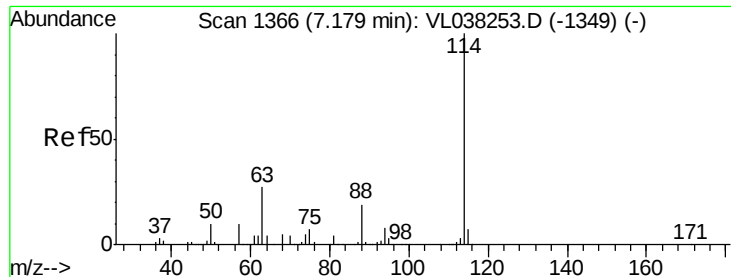
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

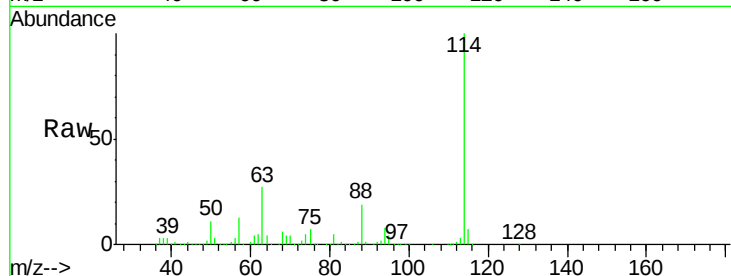
Ion 56.10 (55.80 to 56.80): VL0



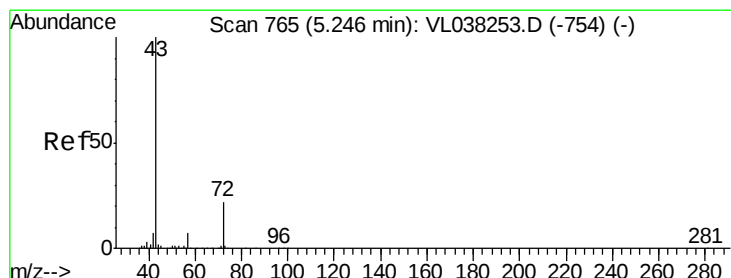
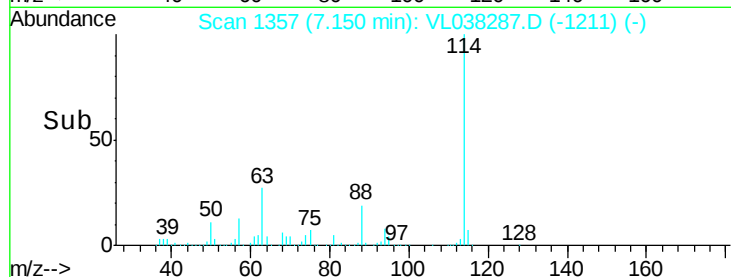
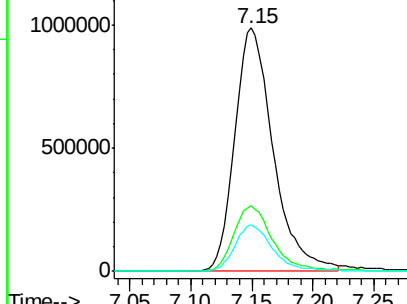


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-1DL
 Acq: 26 Jan 2022 14:09

Tgt Ion: 114 Resp: 2159517
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.0 33.0
 88 19.2 15.0 22.6

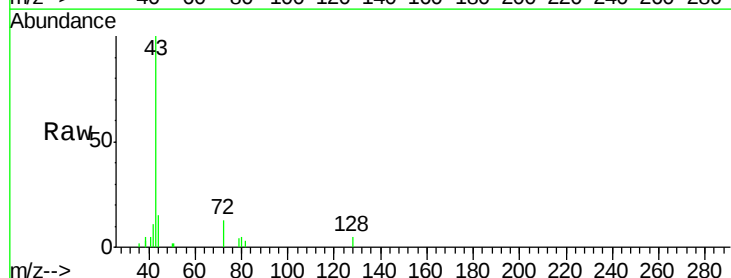


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

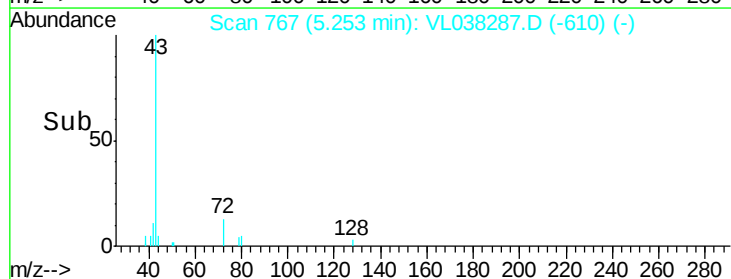
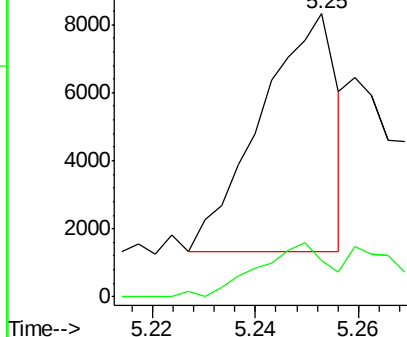


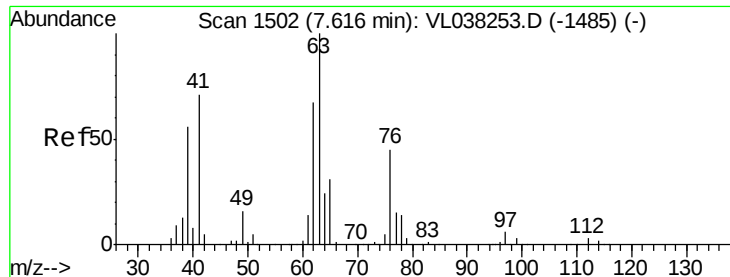
#34
 2-Butanone
 Concen: 0.101 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL038287.D
 Acq: 26 Jan 2022 14:09

Tgt Ion: 43 Resp: 7118
 Ion Ratio Lower Upper
 43 100
 72 39.0 18.1 27.1#



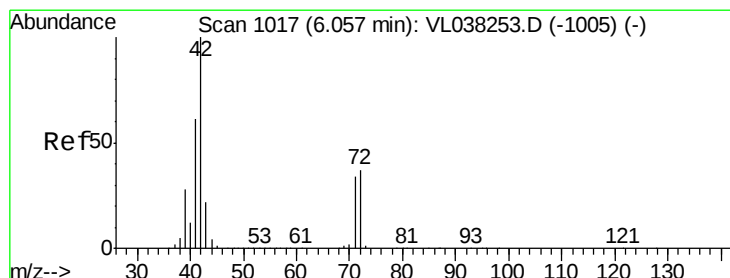
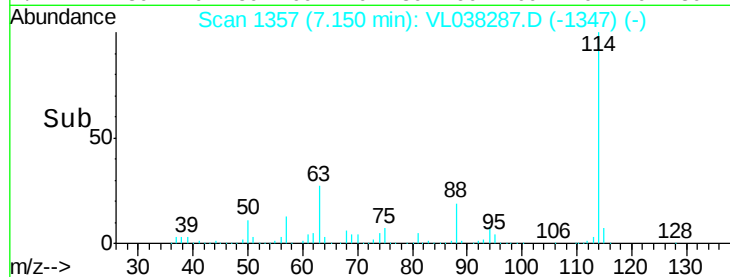
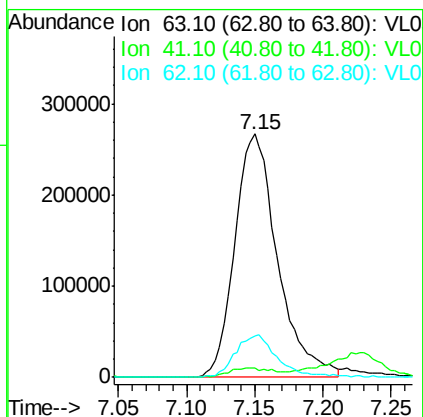
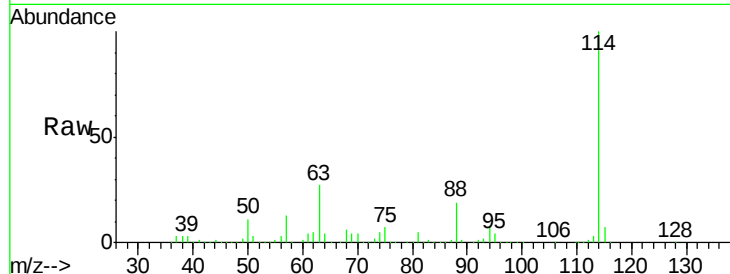
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





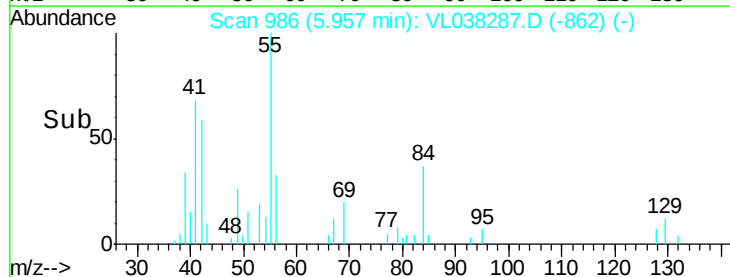
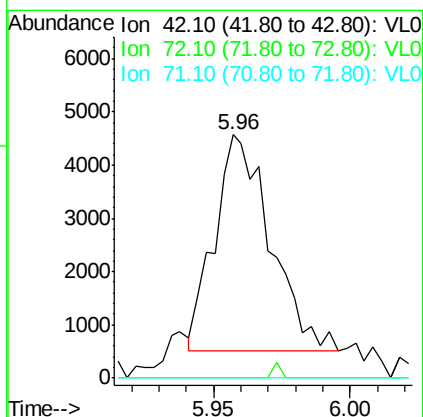
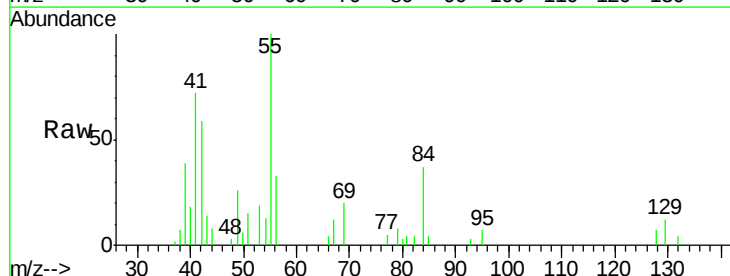
#39
 1,2-Dichloropropane
 Concen: 7.503 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-1DL
 Acq: 26 Jan 2022 14:09

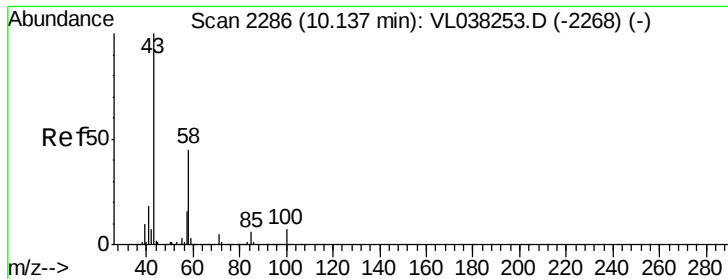
Tgt Ion: 63 Resp: 581067
 Ion Ratio Lower Upper
 63 100
 41 3.8 56.6 85.0#
 62 17.1 53.9 80.9#



#41
 Tetrahydrofuran
 Concen: 0.122 ppbv
 RT: 5.96 min Scan# 986
 Delta R.T. -0.10 min
 Lab File: VL038287.D
 Acq: 26 Jan 2022 14:09

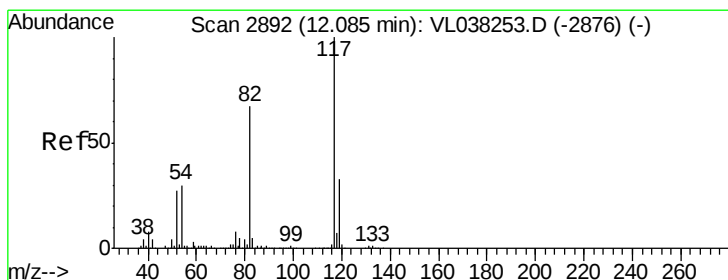
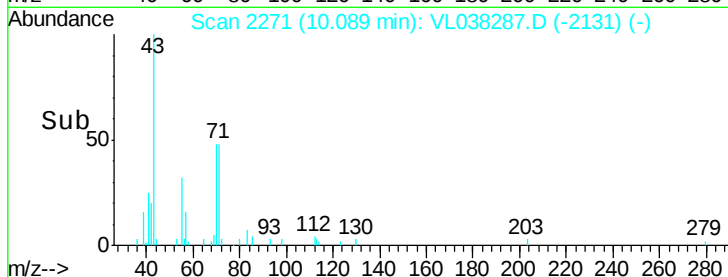
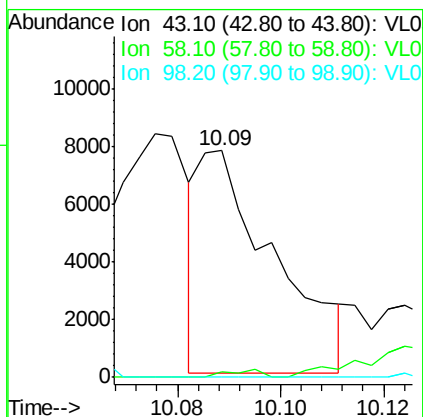
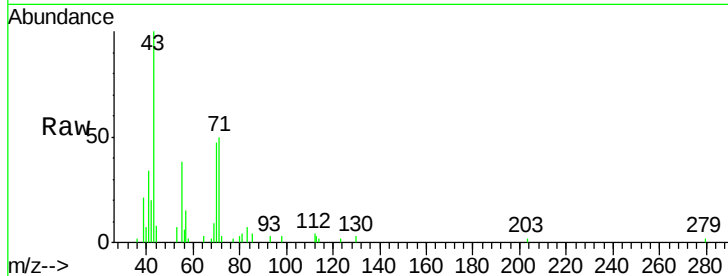
Tgt Ion: 42 Resp: 5771
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.7 44.5#
 71 0.0 29.4 44.2#





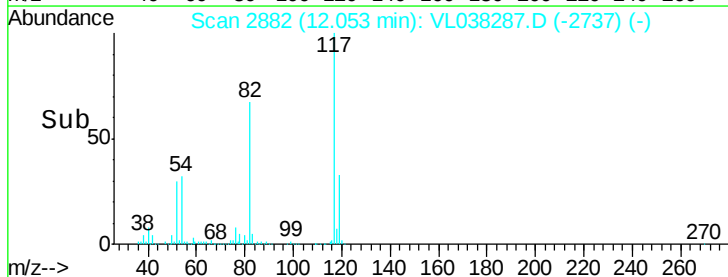
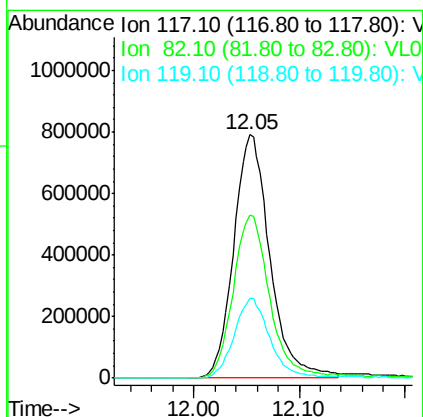
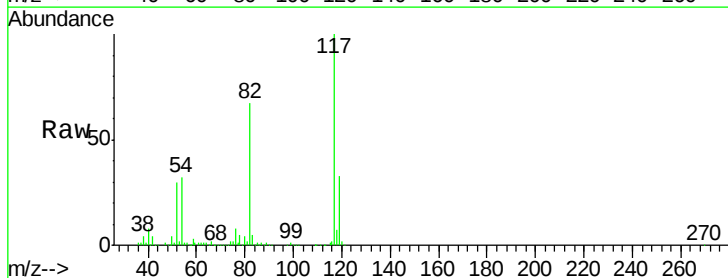
#51
2-Hexanone
Concen: 0.141 ppbv
RT: 10.09 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : SV-1DL
Acq: 26 Jan 2022 14:09

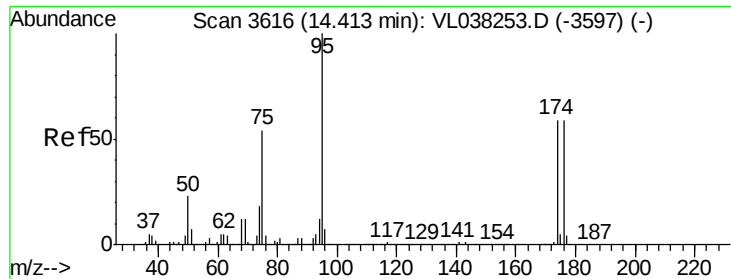
Tgt Ion: 43 Resp: 7824
Ion Ratio Lower Upper
43 100
58 0.0 37.0 55.4#
98 0.0 0.2 0.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.03 min
Lab File: VL038287.D
Acq: 26 Jan 2022 14:09

Tgt Ion: 117 Resp: 1882220
Ion Ratio Lower Upper
117 100
82 70.3 54.4 81.6
119 33.1 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.999 ppbv

RT: 14.38

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

SV-1DL

Acq: 26 Jan 2022 14.09

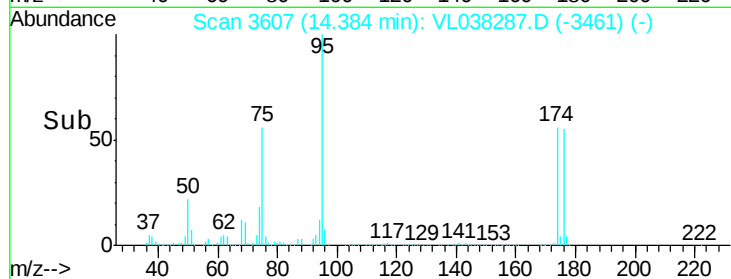
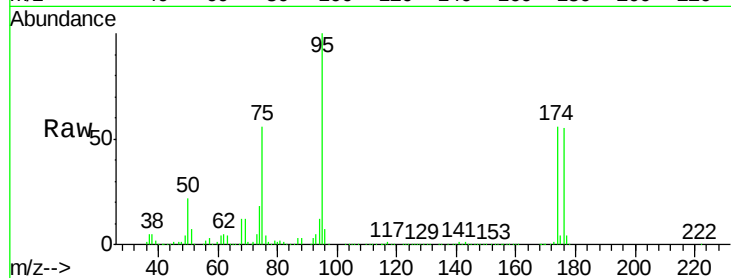
Tgt Ion: 95 Resp: 1428397

Ion Ratio Lower Upper

95 100

174 58.9 48.3 72.5

175 4.5 3.5 5.3



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

