

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052522\
 Data File : VL039124.D
 Acq On : 25 May 2022 19:18
 Operator : SY/AP
 Sample : N2956-04DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Quant Time: May 26 07:58:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	864521	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	2094560	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	1832852	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	1614575	11.12	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.20%

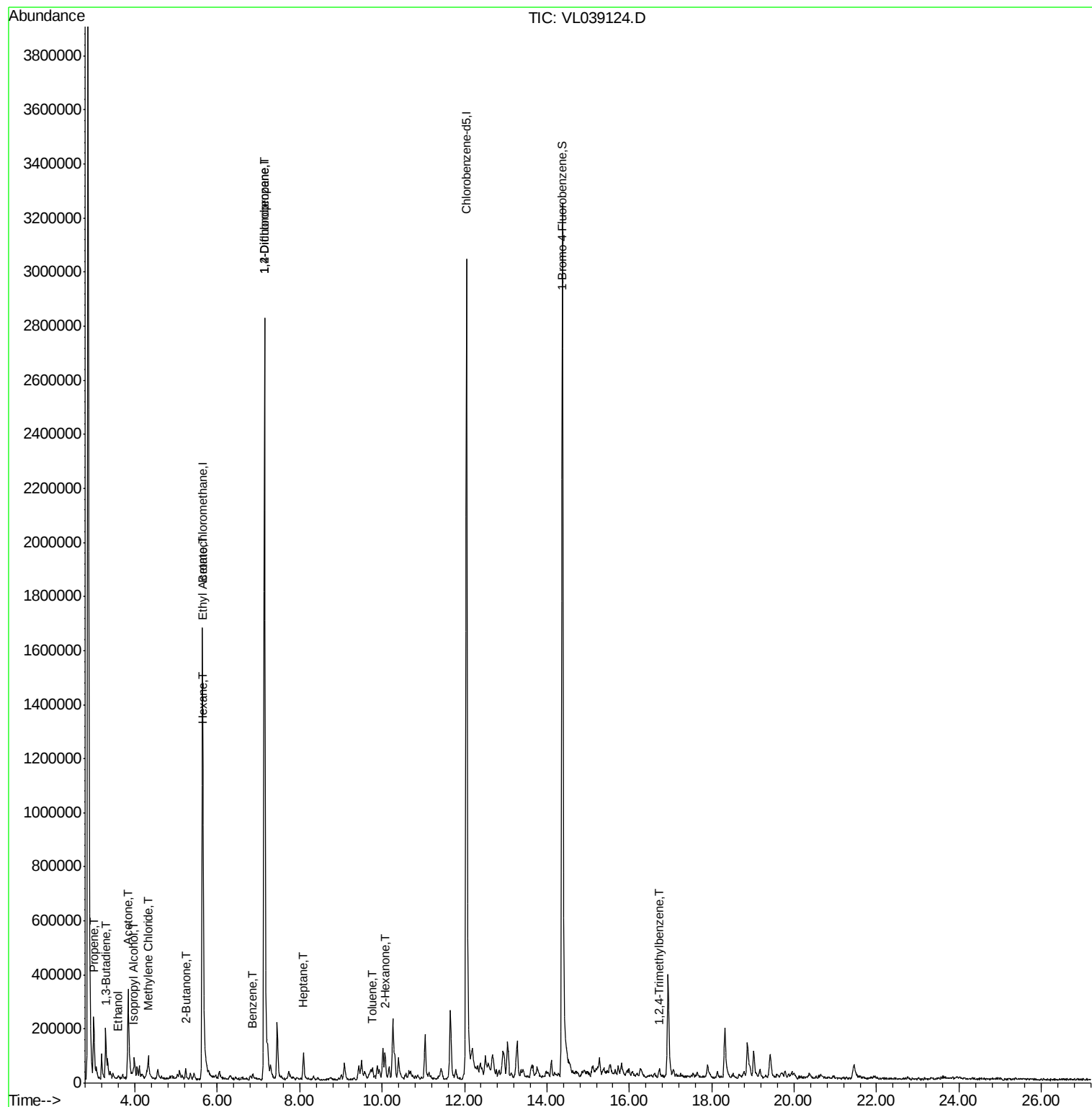
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	102798	2.194	ppbv	94
10) Heptane	8.10	43	36901	0.321	ppbv	95
13) Ethanol	3.60	45	2474	0.746	ppbv #	31
15) Acetone	3.83	43	439703	5.392	ppbv	92
16) 1,3-Butadiene	3.31	39	8194	0.175	ppbv #	39
19) Isopropyl Alcohol	3.96	45	17476	0.451	ppbv #	95
20) Methylene Chloride	4.32	84	29850	0.971	ppbv #	88
25) Ethyl Acetate	5.65	43	12332	0.063	ppbv #	82
26) Hexane	5.66	57	15356	0.177	ppbv #	1
34) 2-Butanone	5.22	43	20743	0.194	ppbv #	54
36) Benzene	6.86	78	13957	0.078	ppbv #	77
39) 1,2-Dichloropropane	7.14	63	611375	8.766	ppbv #	26
51) 2-Hexanone	10.07	43	49089	0.359	ppbv #	31
53) Toluene	9.77	91	15007	0.075	ppbv #	68
74) 1,2,4-Trimethylbenzene	16.72	105	14505	0.061	ppbv #	62

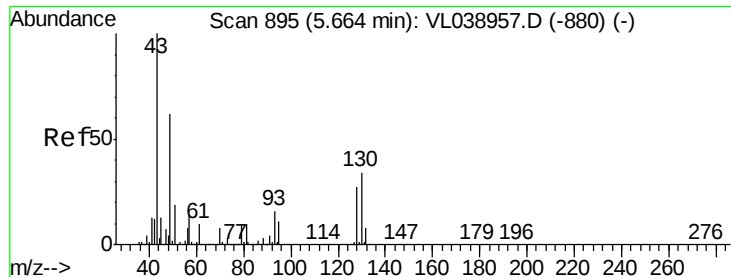
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-1DL

Acq: 25 May 2022 19:18

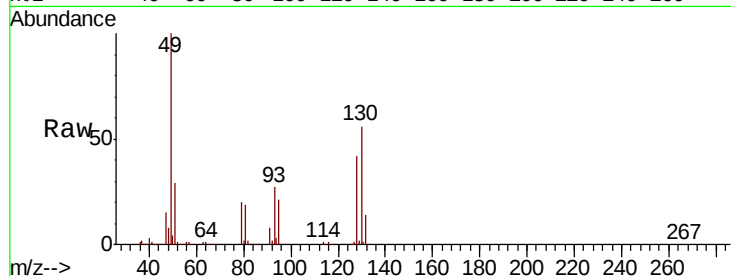
Tot Ion: 49 Resp: 864521

Ion Ratio Lower Upper

49 100

128 49.2 23.3 69.8

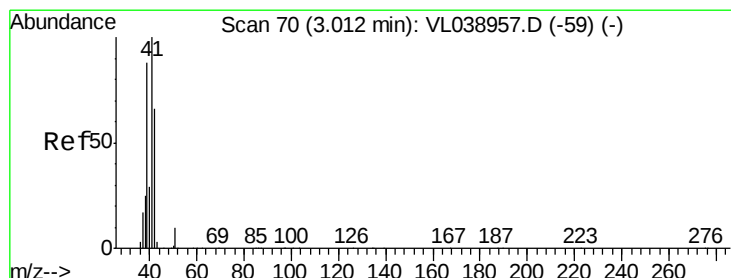
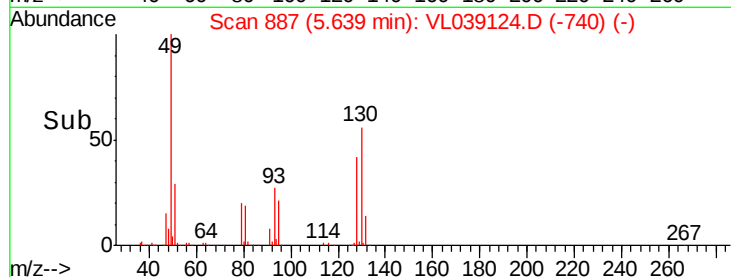
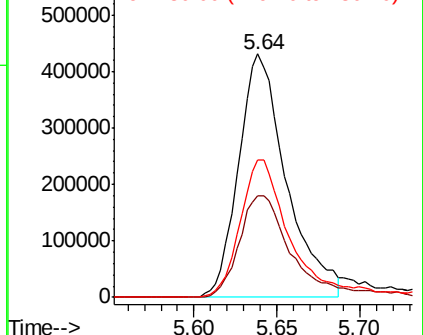
130 61.8 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 2.194 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL039124.D

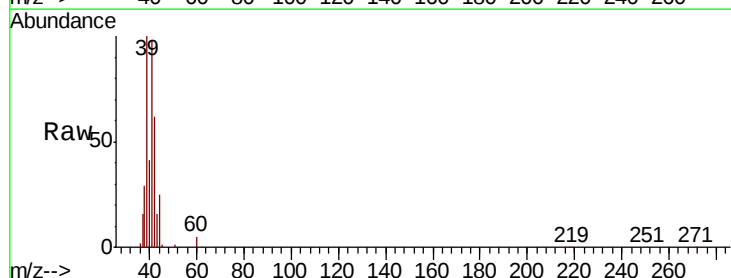
Acq: 25 May 2022 19:18

Tgt Ion: 41 Resp: 102798

Ion Ratio Lower Upper

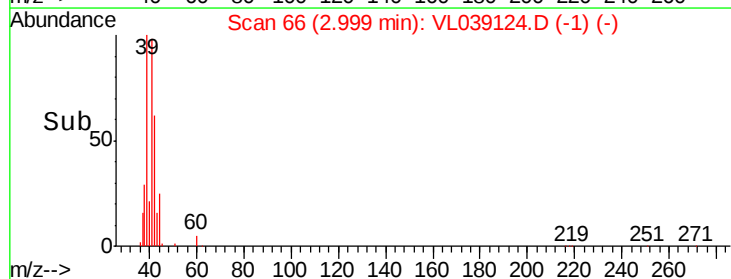
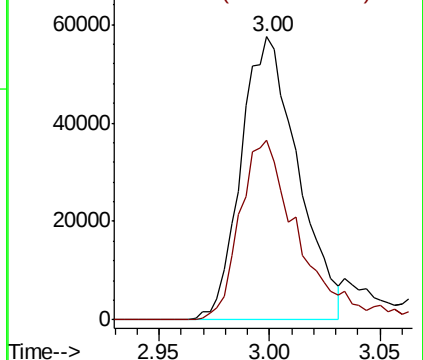
41 100

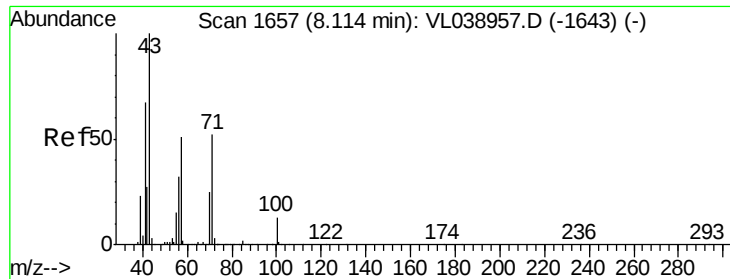
42 67.9 58.3 87.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

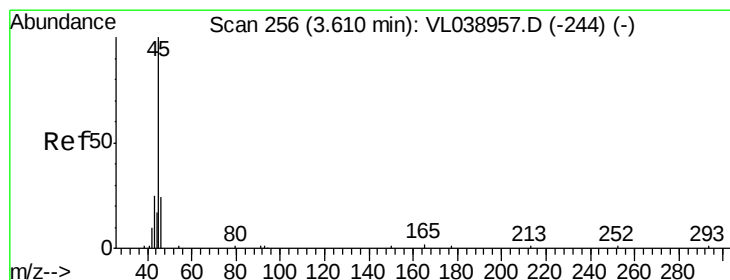
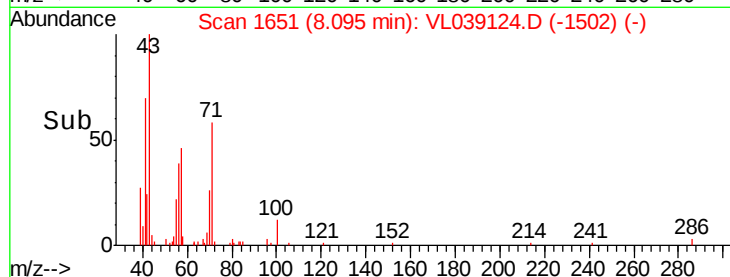
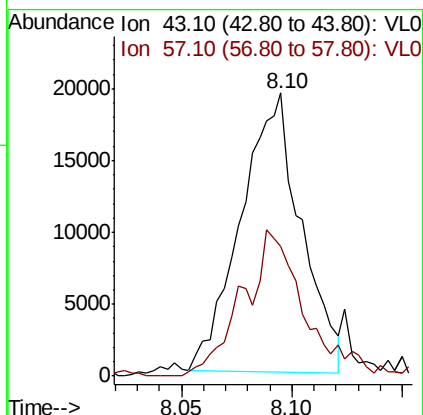
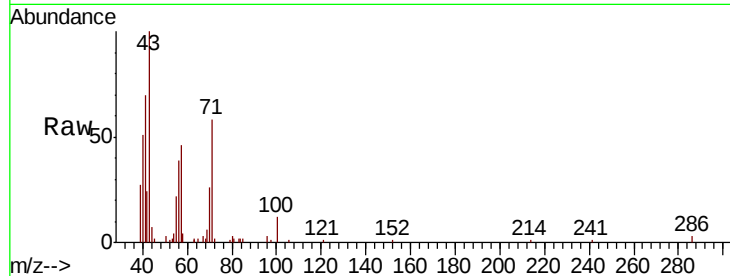
Ion 42.10 (41.80 to 42.80): VL0





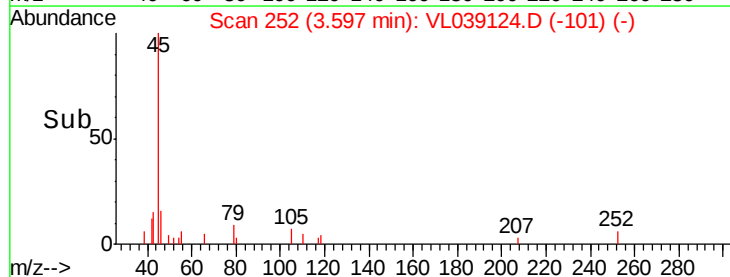
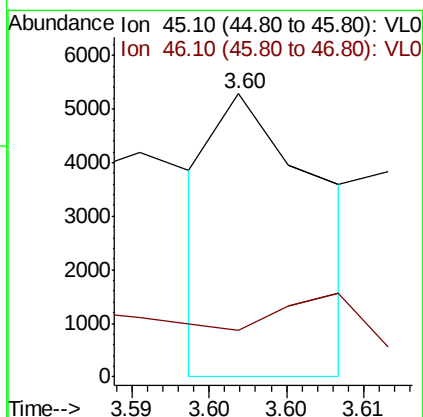
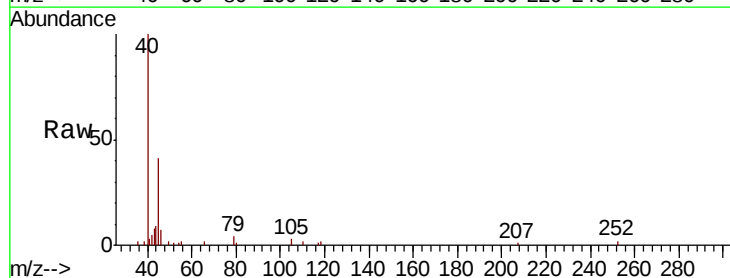
#10
Heptane
Concen: 0.321 ppbv
RT: 8.10
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 May 2022 19:18

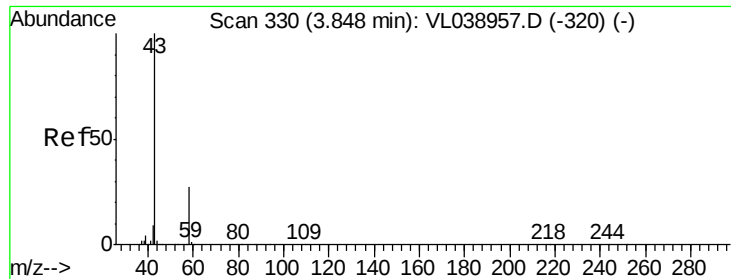
Tot Ion: 43 Resp: 36901
Ion Ratio Lower Upper
43 100
57 54.2 40.5 60.7



#13
Ethanol
Concen: 0.746 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL039124.D
Acq: 25 May 2022 19:18

Tgt Ion: 45 Resp: 2474
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#





#15

Acetone

Concen: 5.392 ppbv

RT: 3.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

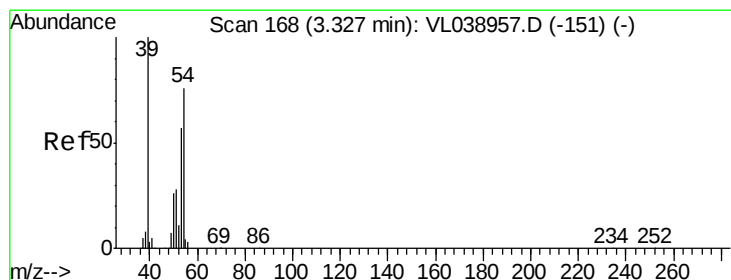
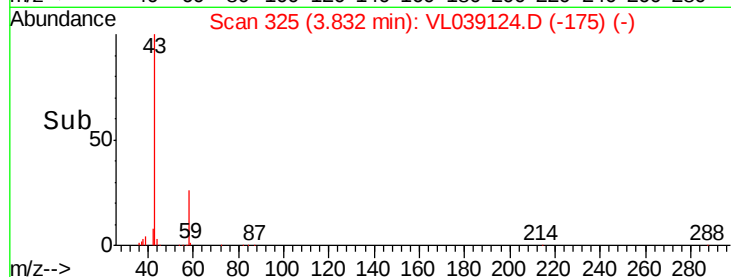
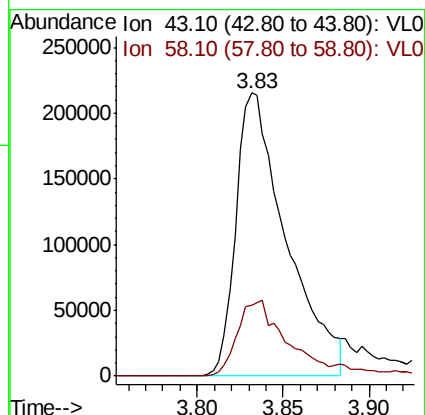
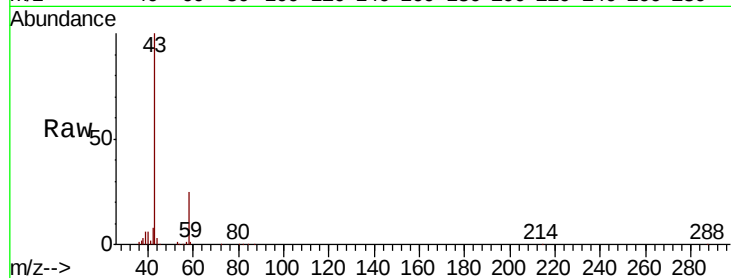
Acq: 25 May 2022 19:18

Tot Ion: 43 Resp: 439703

Ion Ratio Lower Upper

43 100

58 31.0 21.3 31.9



#16

1,3-Butadiene

Concen: 0.175 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL039124.D

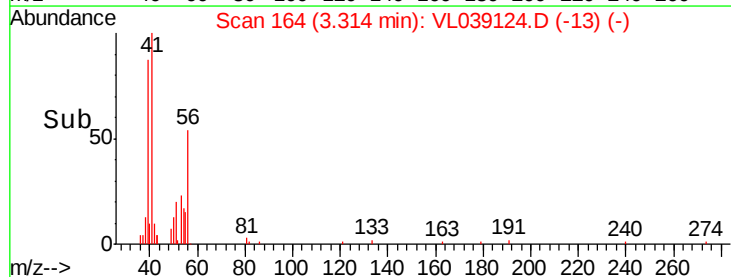
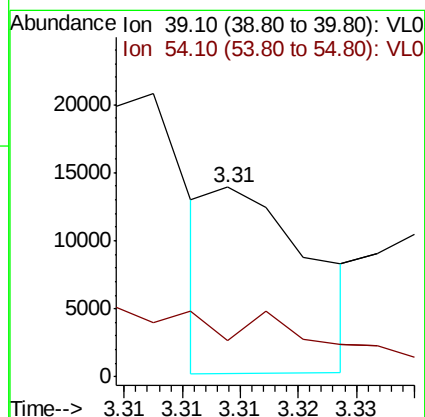
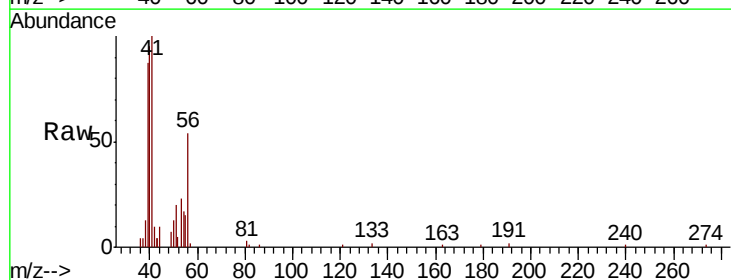
Acq: 25 May 2022 19:18

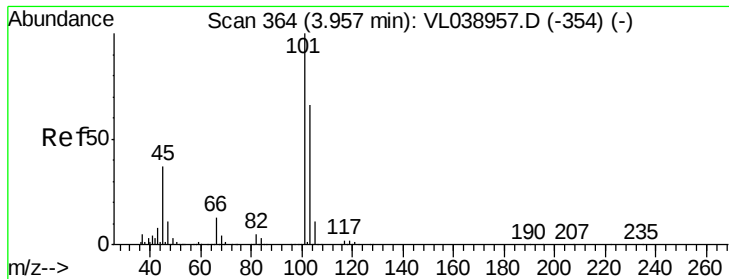
Tgt Ion: 39 Resp: 8194

Ion Ratio Lower Upper

39 100

54 135.9 65.2 97.8#





#19

Isopropyl Alcohol

Concen: 0.451 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

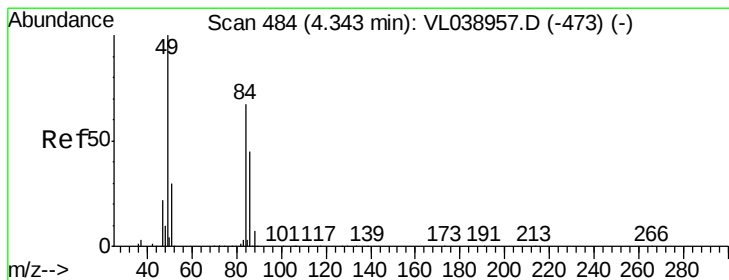
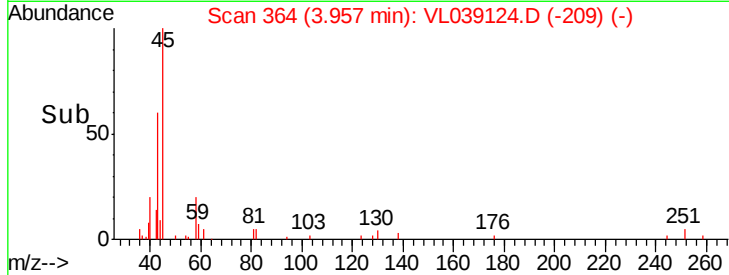
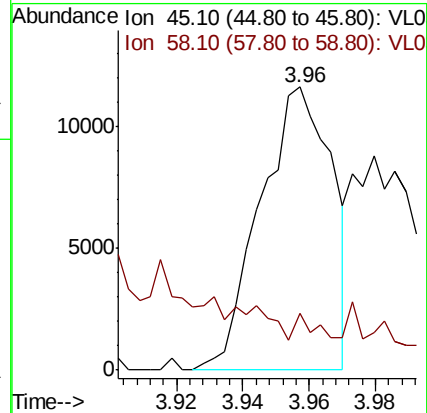
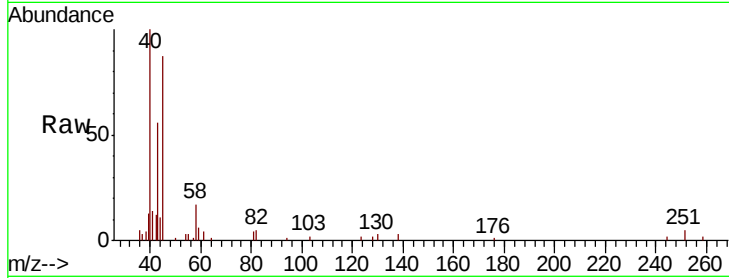
Acq: 25 May 2022 19:18

Tot Ion: 45 Resp: 17476

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#



#20

Methylene Chloride

Concen: 0.971 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL039124.D

Acq: 25 May 2022 19:18

Tgt Ion: 84 Resp: 29850

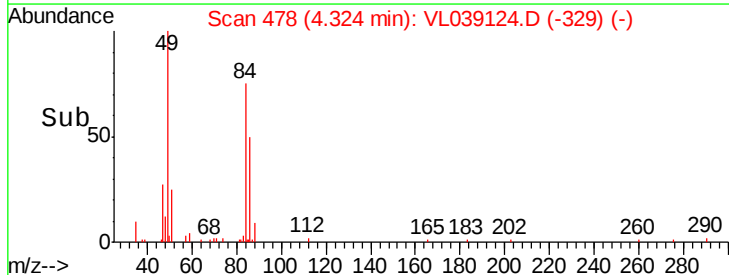
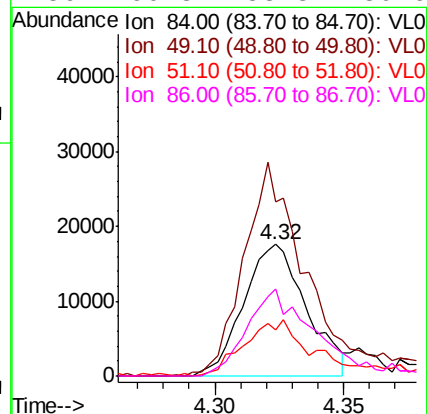
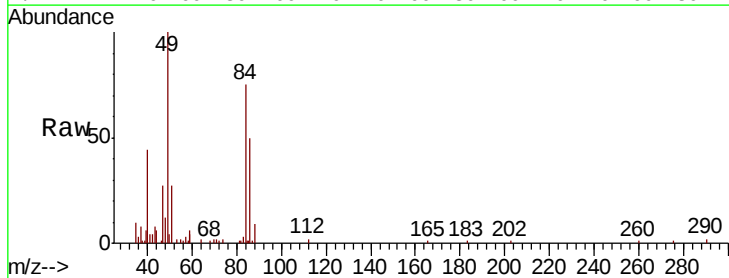
Ion Ratio Lower Upper

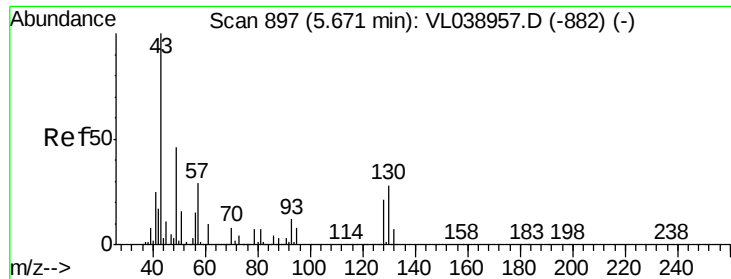
84 100

49 129.3 119.9 179.9

51 35.5 35.7 53.5#

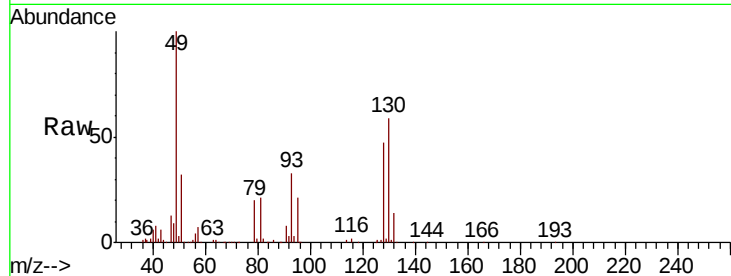
86 66.3 53.8 80.6



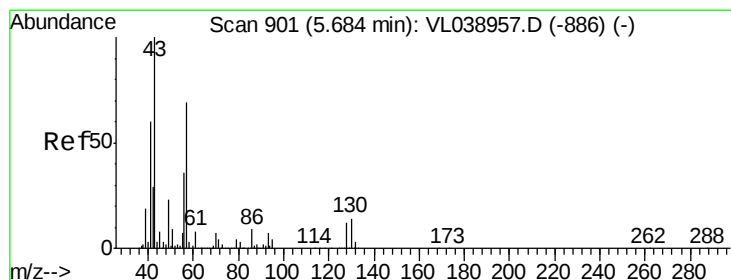
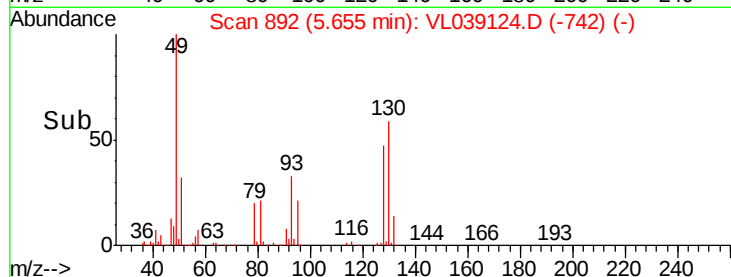
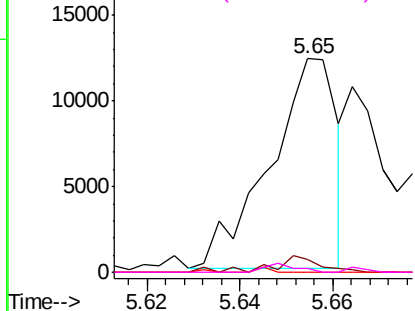


#25
Ethyl Acetate
Concen: 0.063 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VP-1DL
Acq: 25 May 2022 19:18

Tot Ion:	43	Resp:	12332
Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.1	12.1#
61	0.0	7.8	11.6#
70	2.6	5.6	8.4#

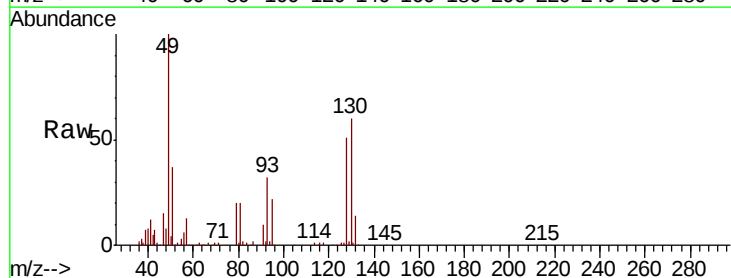


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

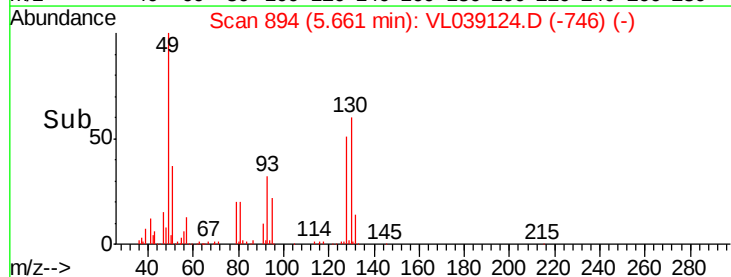
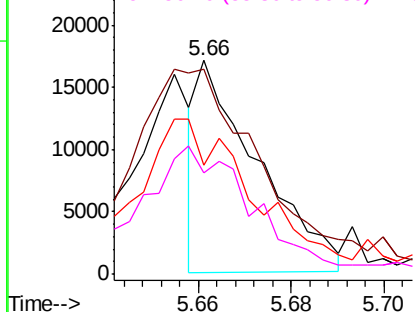


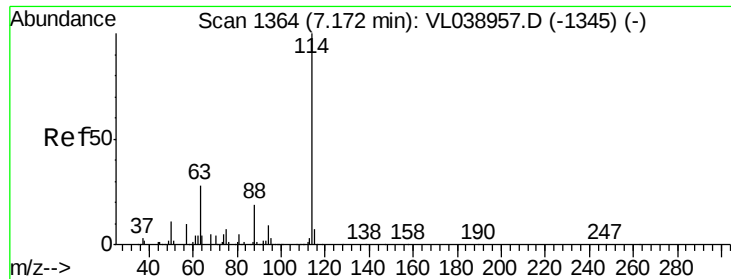
#26
Hexane
Concen: 0.177 ppbv
RT: 5.66 min Scan# 894
Delta R.T.: -0.02 min
Lab File: VL039124.D
Acq: 25 May 2022 19:18

Tgt Ion:	57	Resp:	15356
Ion	Ratio	Lower	Upper
57	100		
41	227.1	75.2	112.8#
43	0.0	190.8	286.2#
56	121.5	43.0	64.6#



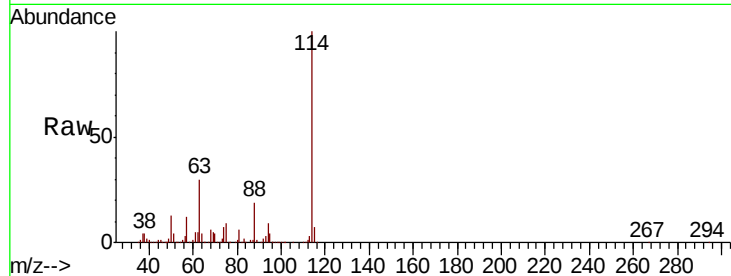
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



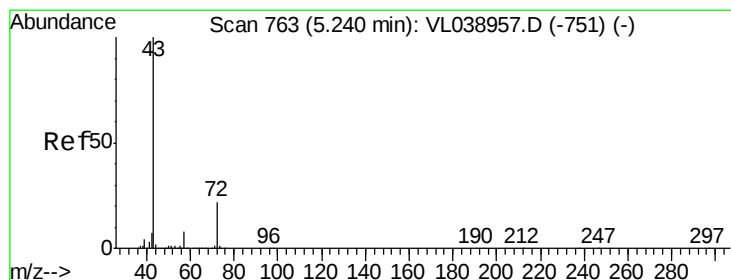
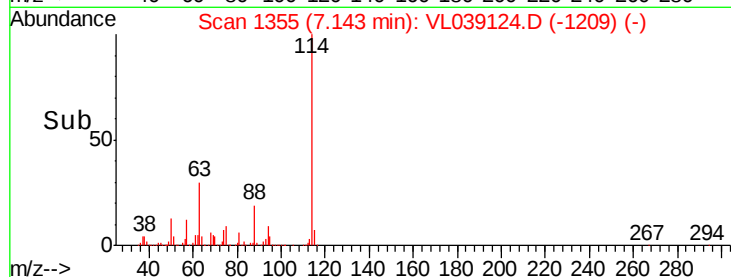
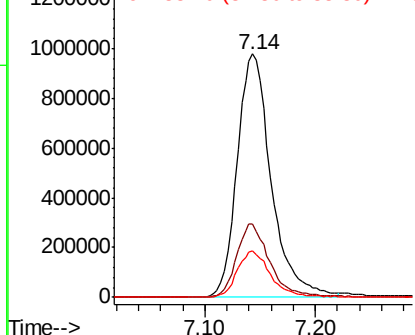


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VP-1DL
 Acq: 25 May 2022 19:18

Tot Ion:114 Resp: 2094560
 Ion Ratio Lower Upper
 114 100
 63 29.6 22.6 33.8
 88 19.2 15.4 23.0

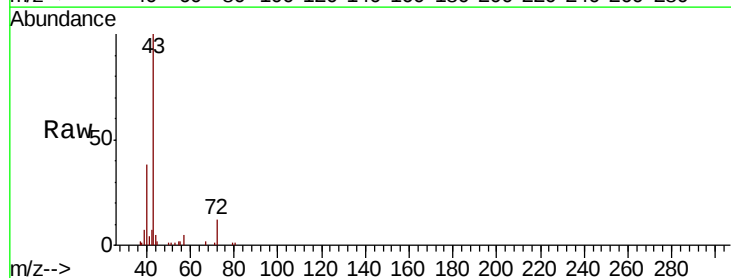


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

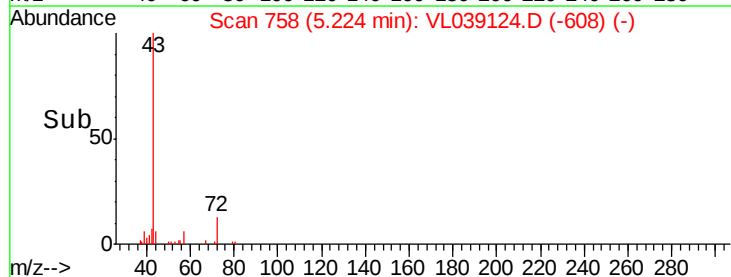
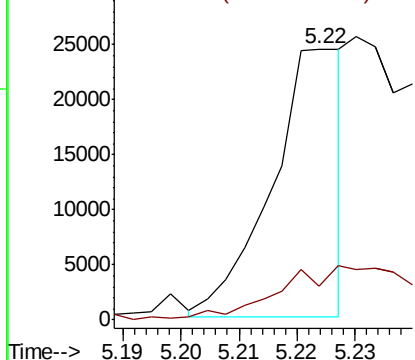


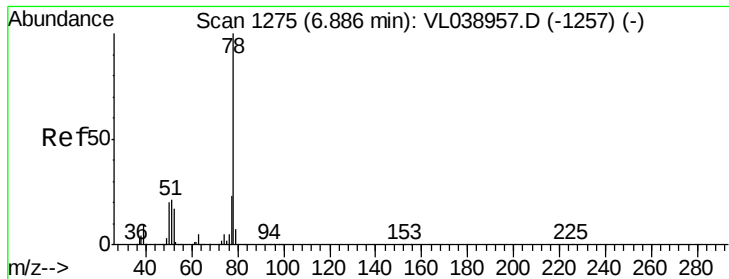
#34
 2-Butanone
 Concen: 0.194 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL039124.D
 Acq: 25 May 2022 19:18

Tgt Ion: 43 Resp: 20743
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



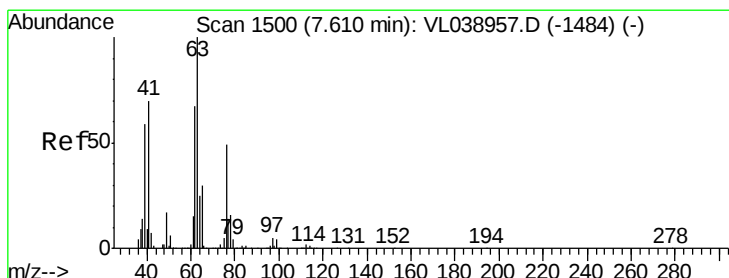
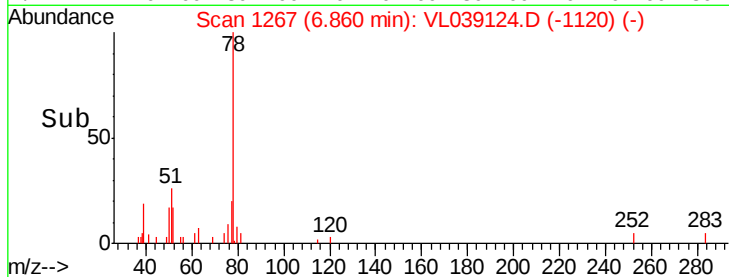
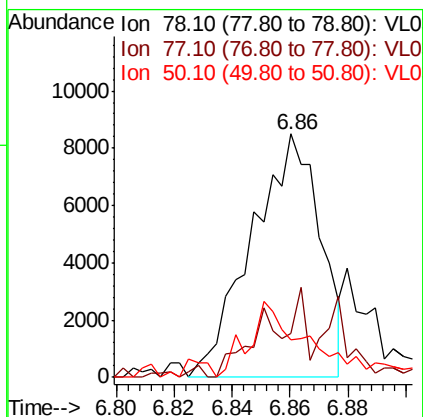
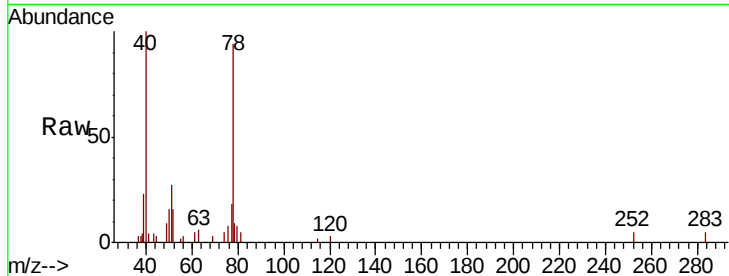
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





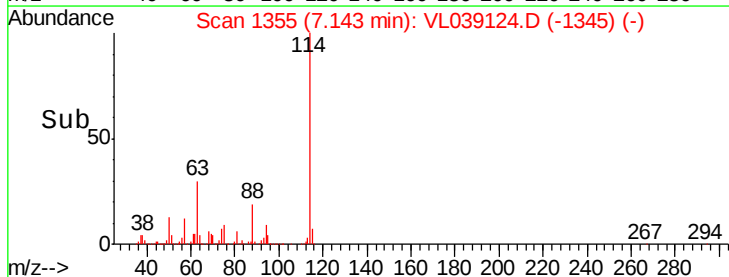
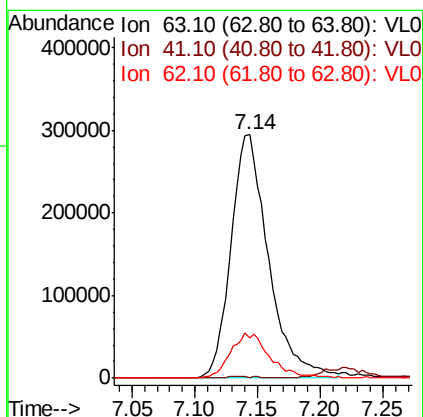
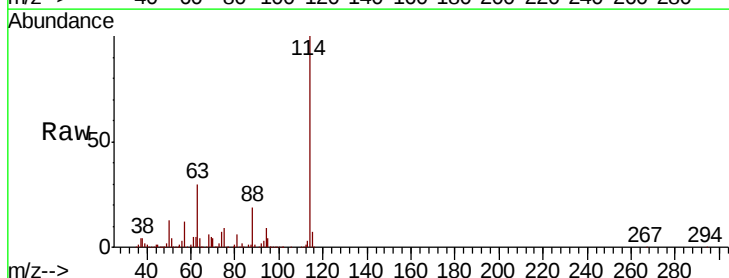
#36
Benzene
Concen: 0.078 ppbv
RT: 6.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 May 2022 19:18

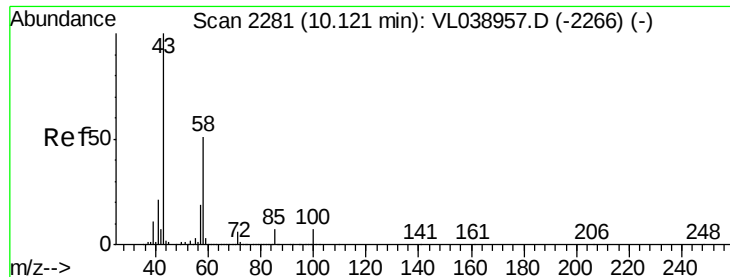
Tot Ion: 78 Resp: 13957
Ion Ratio Lower Upper
78 100
77 15.9 18.6 28.0#
50 5.0 15.6 23.4#



#39
1,2-Dichloropropane
Concen: 8.766 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.47 min
Lab File: VL039124.D
Acq: 25 May 2022 19:18

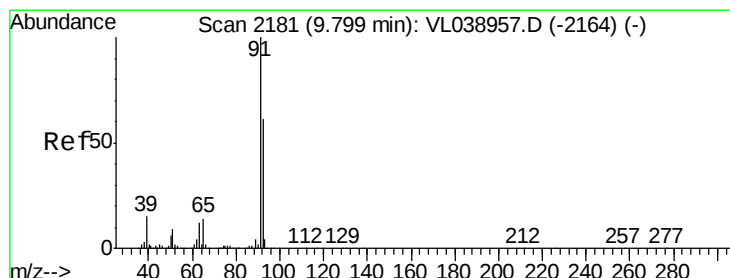
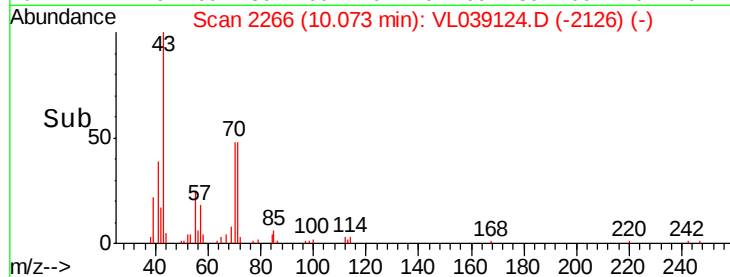
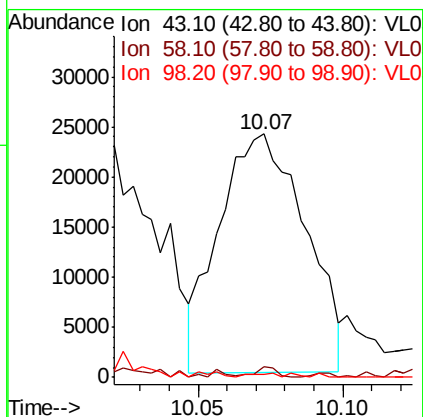
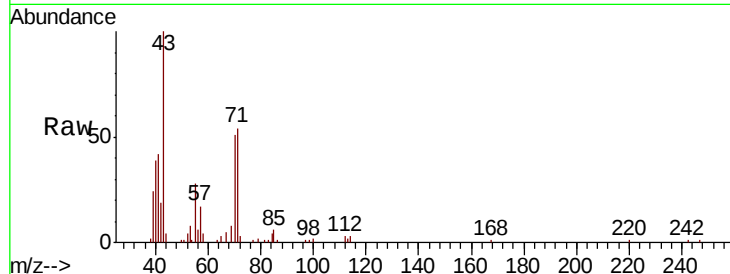
Tgt Ion: 63 Resp: 611375
Ion Ratio Lower Upper
63 100
41 0.2 55.9 83.9#
62 16.3 53.8 80.6#





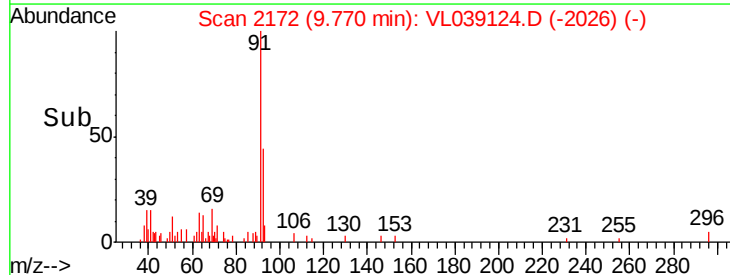
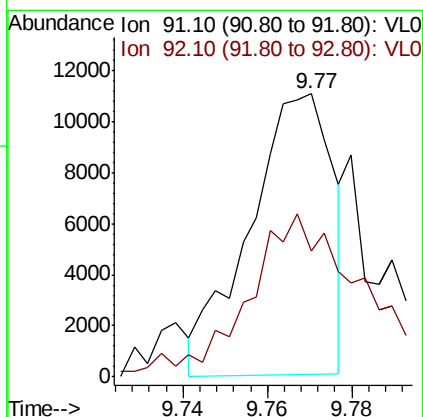
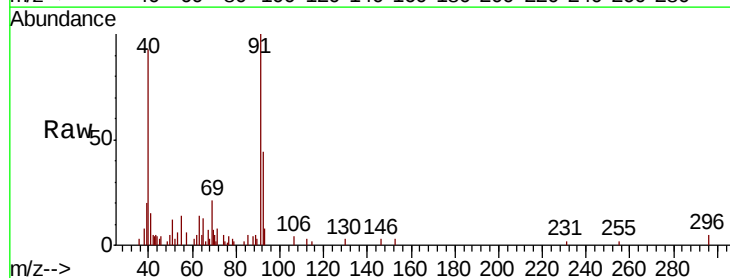
#51
2-Hexanone
Concen: 0.359 ppbv
RT: 10.07
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 May 2022 19:18

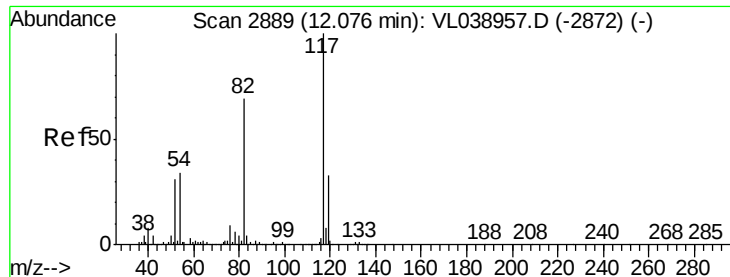
Tot Ion: 43 Resp: 49089
Ion Ratio Lower Upper
43 100
58 2.0 39.3 58.9#
98 0.9 0.2 0.2#



#53
Toluene
Concen: 0.075 ppbv
RT: 9.77 min Scan# 2172
Delta R.T. -0.03 min
Lab File: VL039124.D
Acq: 25 May 2022 19:18

Tgt Ion: 91 Resp: 15007
Ion Ratio Lower Upper
91 100
92 84.2 48.2 72.2#

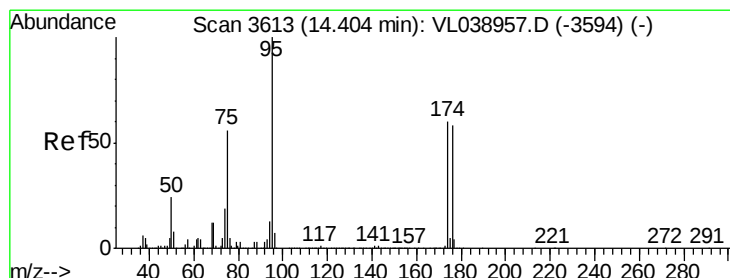
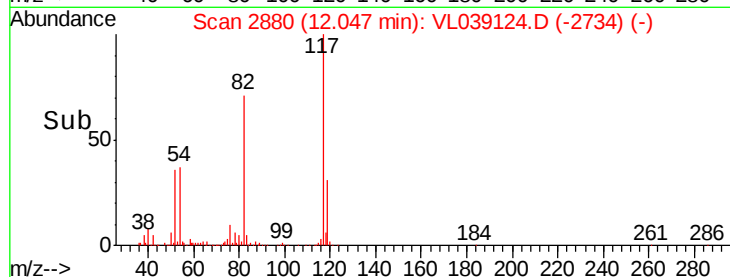
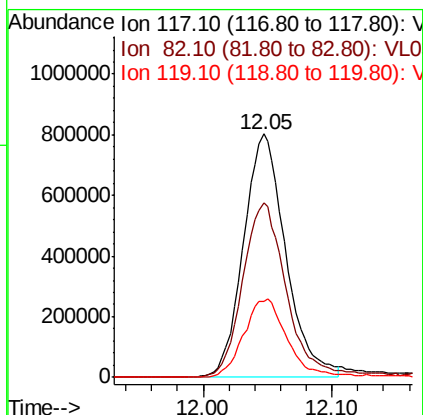
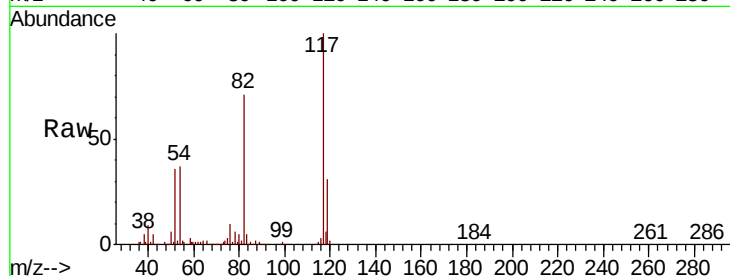




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VP-1DL
Acq: 25 May 2022 19:18

Tot Ion:117 Resp: 1832852

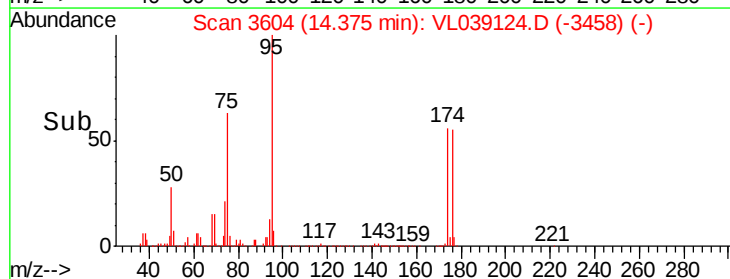
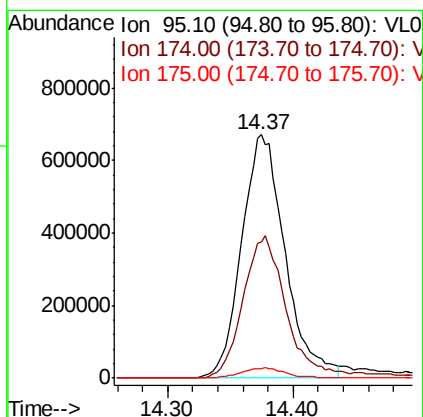
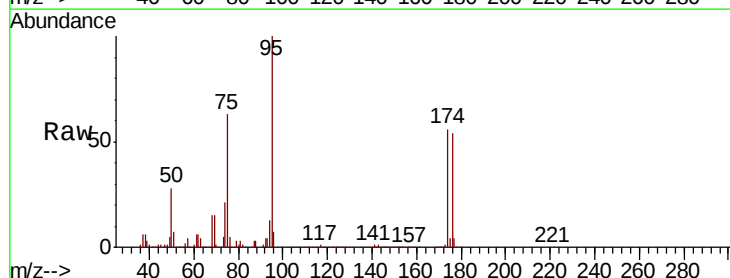
Ion	Ratio	Lower	Upper
117	100		
82	77.2	57.0	85.6
119	34.6	27.2	40.8

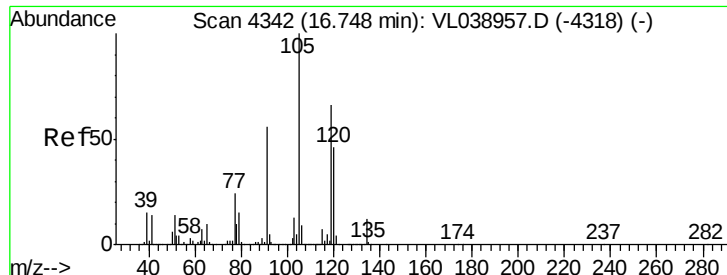


#68
1-Bromo-4-Fluorobenzene
Concen: 11.123 ppbv
RT: 14.37 min Scan# 3604
Delta R.T.: -0.03 min
Lab File: VL039124.D
Acq: 25 May 2022 19:18

Tgt Ion: 95 Resp: 1614575

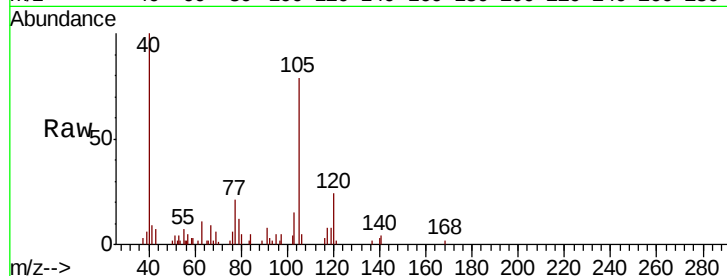
Ion	Ratio	Lower	Upper
95	100		
174	61.5	50.8	76.2
175	4.5	3.8	5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.061 ppbv
 RT: 16.72
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 May 2022 19:18

Tot Ion:	105	Resp:	14505
Ion Ratio	Lower	Upper	
105	100		
120	33.6	36.9	55.3#
91	8.2	45.0	67.4#
77	28.4	19.2	28.8



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

