

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039390.D
 Acq On : 28 Jun 2022 12:30
 Operator : SY/AP
 Sample : N3508-02DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-6-20220624DL

Quant Time: Jun 29 06:04:29 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1135671	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3185804	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2785117	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1978523	8.59	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.90%

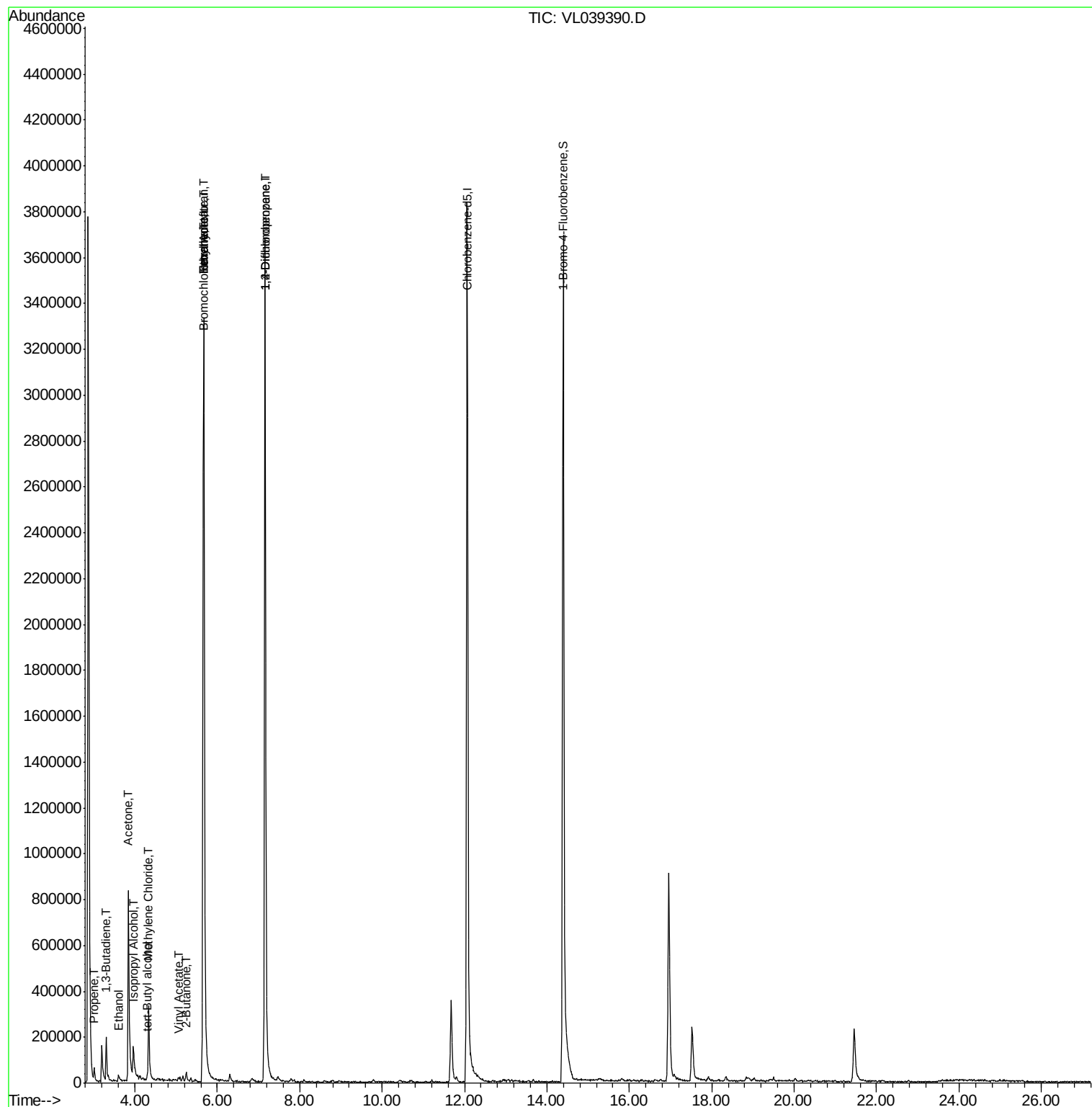
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	18747	0.298	ppbv	93
13) Ethanol	3.60	45	23401	6.810	ppbv #	100
15) Acetone	3.84	43	1055431	8.922	ppbv	92
16) 1,3-Butadiene	3.30	39	58979	0.927	ppbv #	15
17) tert-Butyl alcohol	4.29	59	8472	0.092	ppbv #	54
19) Isopropyl Alcohol	3.96	45	159784	2.880	ppbv #	1
20) Methylene Chloride	4.33	84	118084	2.369	ppbv	88
23) Vinyl Acetate	5.06	43	3819	0.039	ppbv #	75
25) Ethyl Acetate	5.67	43	779226	2.922	ppbv #	76
26) Hexane	5.67	57	1156396	9.869	ppbv #	39
34) 2-Butanone	5.24	43	29921	0.173	ppbv #	42
39) 1,2-Dichloropropane	7.16	63	779333	7.575	ppbv #	24
41) Tetrahydrofuran	5.67	42	413270	3.970	ppbv #	50

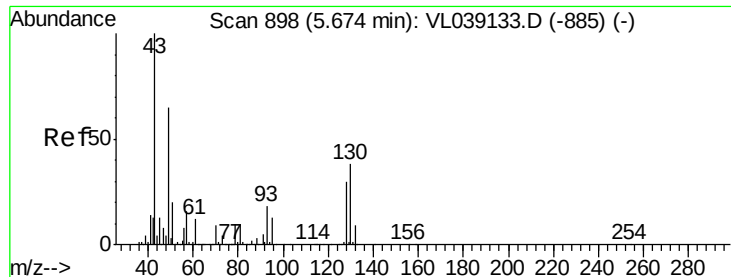
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062722\
Data File : VL039390.D
Acq On : 28 Jun 2022 12:30
Operator : SY/AP
Sample : N3508-02DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624DL

Quant Time: Jun 29 06:04:29 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Jun 2022 12:30 SV-6-20220624DL

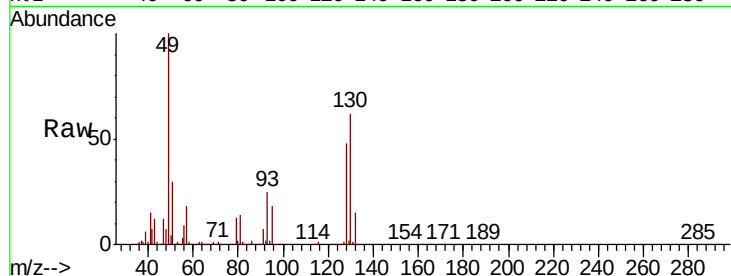
Tot Ion: 49 Resp: 1135671

Ion Ratio Lower Upper

49 100

128 52.7 24.7 74.1

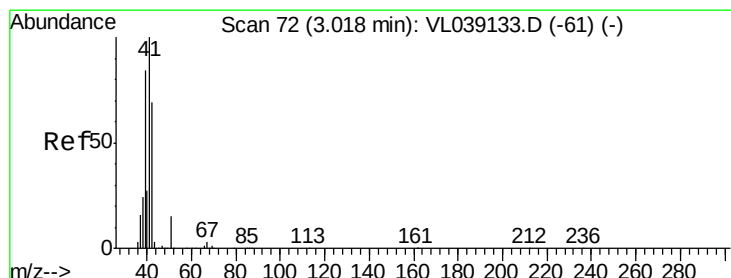
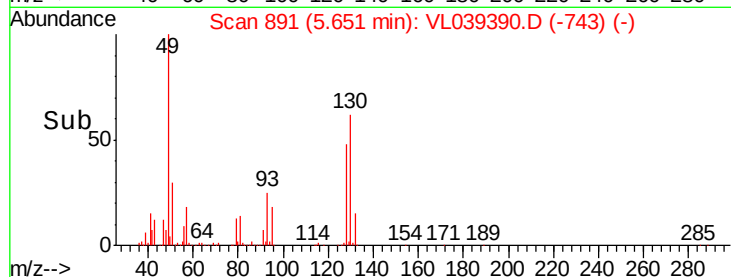
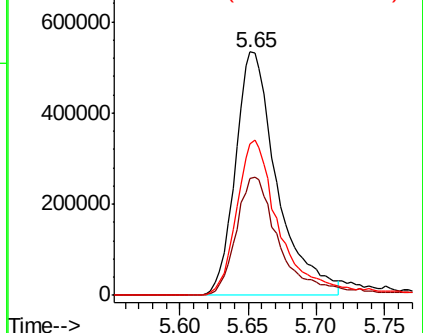
130 66.7 31.4 94.0



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: 0.298 ppbv

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL039390.D

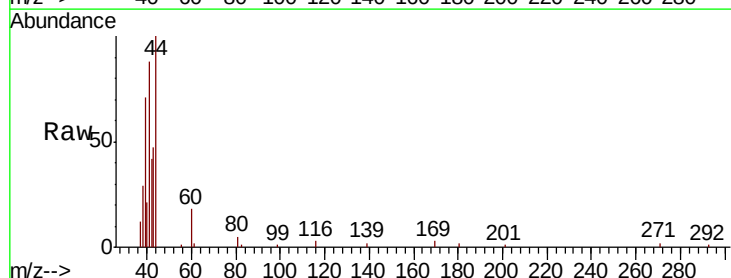
Acq: 28 Jun 2022 12:30

Tgt Ion: 41 Resp: 18747

Ion Ratio Lower Upper

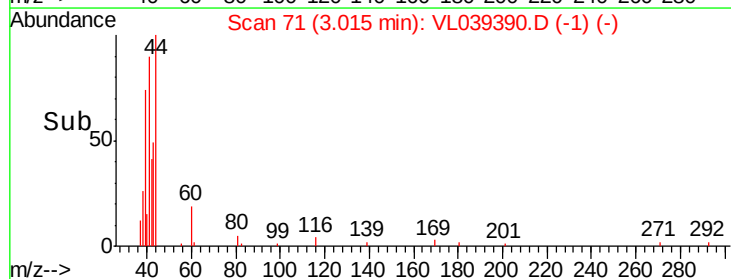
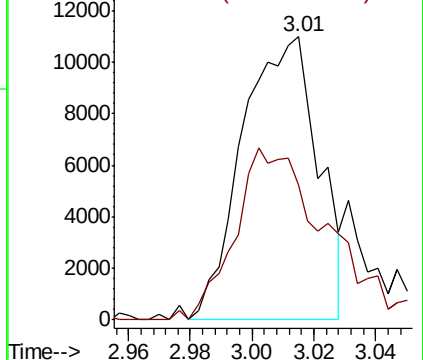
41 100

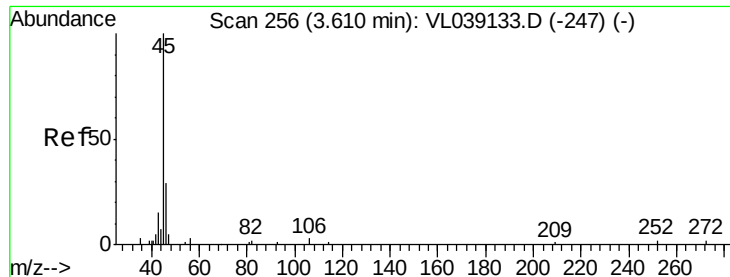
42 74.8 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

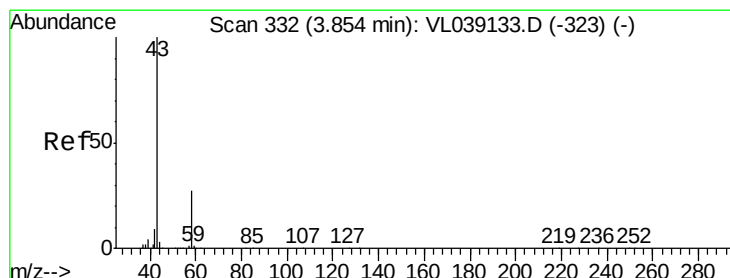
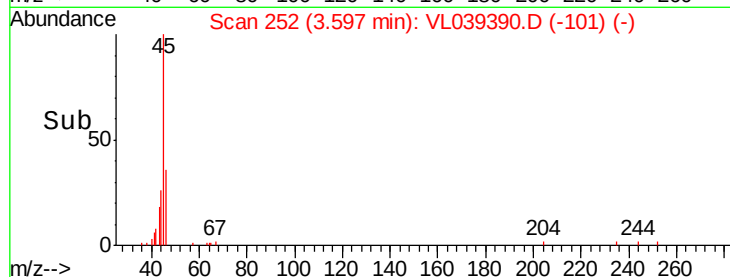
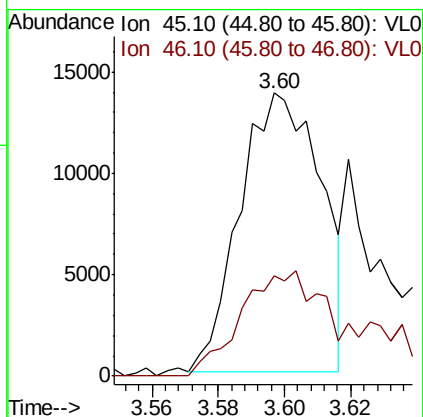
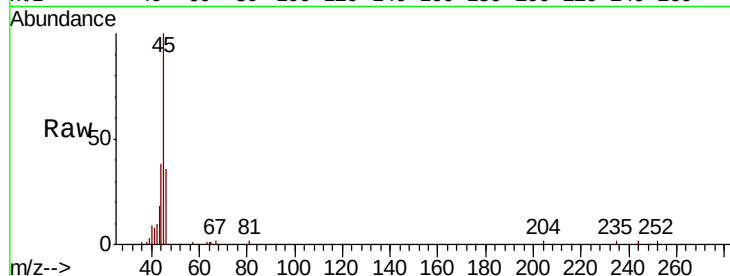
Ion 42.10 (41.80 to 42.80): VL0





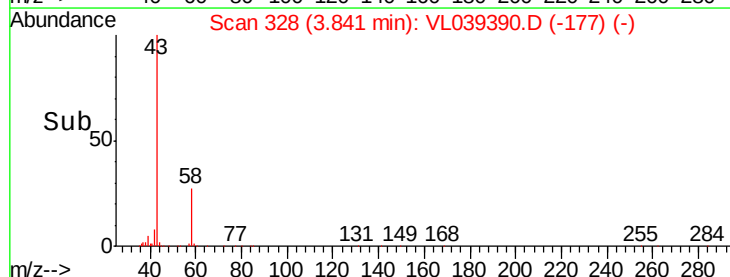
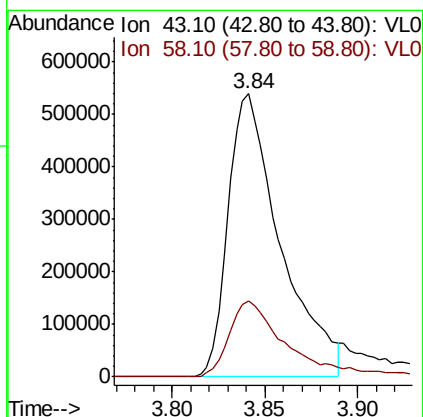
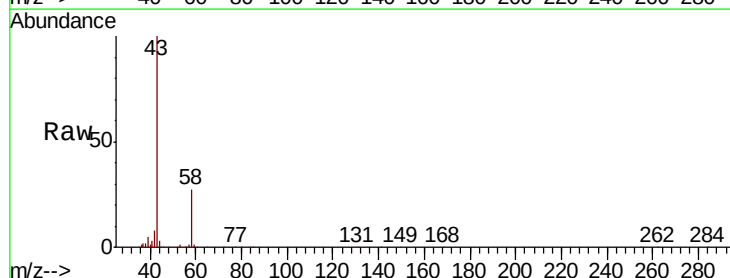
#13
Ethanol
Concen: 6.810 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-6-20220624DL
Acq: 28 Jun 2022 12:30

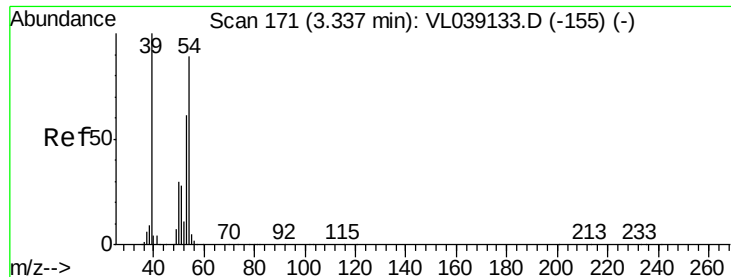
Tot Ion: 45 Resp: 23401
Ion Ratio Lower Upper
45 100
46 59.3 0.0 0.0#



#15
Acetone
Concen: 8.922 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL039390.D
Acq: 28 Jun 2022 12:30

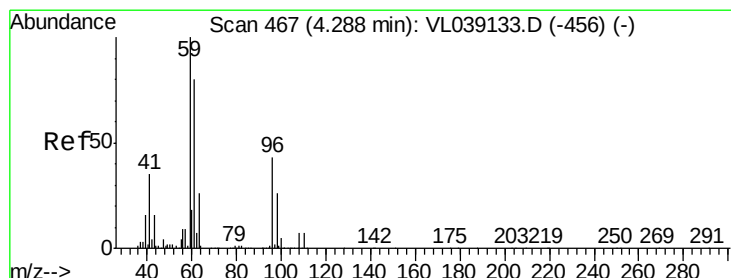
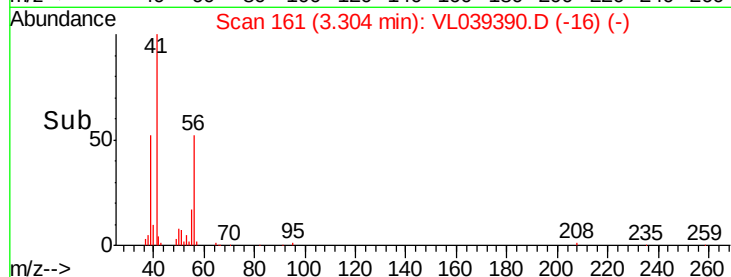
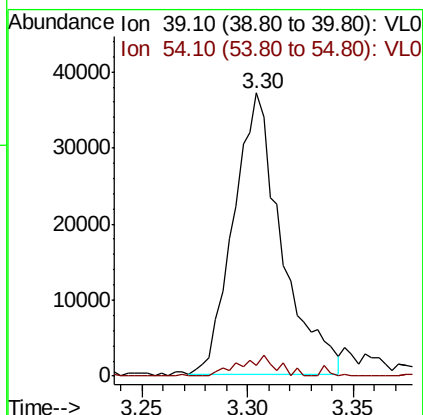
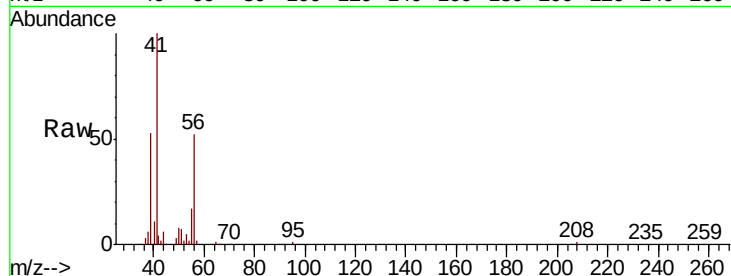
Tgt Ion: 43 Resp: 1055431
Ion Ratio Lower Upper
43 100
58 32.3 22.5 33.7





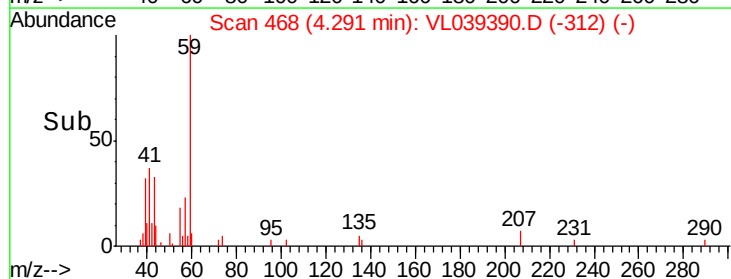
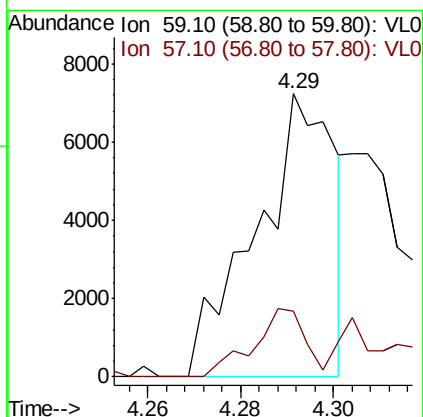
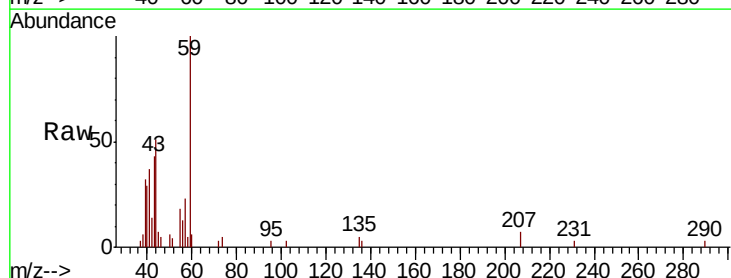
#16
 1,3-Butadiene
 Concen: 0.927 ppbv
 RT: 3.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-6-20220624DL
 Acq: 28 Jun 2022 12:30

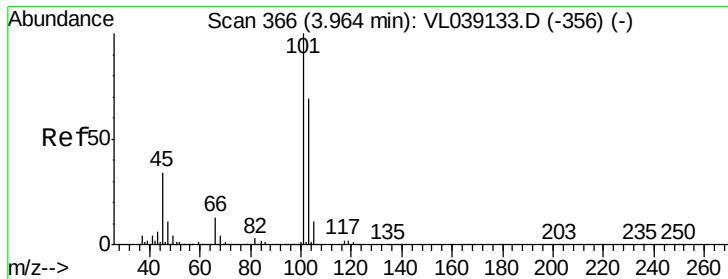
Tot Ion: 39 Resp: 58979
 Ion Ratio Lower Upper
 39 100
 54 6.2 65.8 98.6#



#17
 tert-Butyl alcohol
 Concen: 0.092 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VL039390.D
 Acq: 28 Jun 2022 12:30

Tgt Ion: 59 Resp: 8472
 Ion Ratio Lower Upper
 59 100
 57 28.9 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 2.880 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

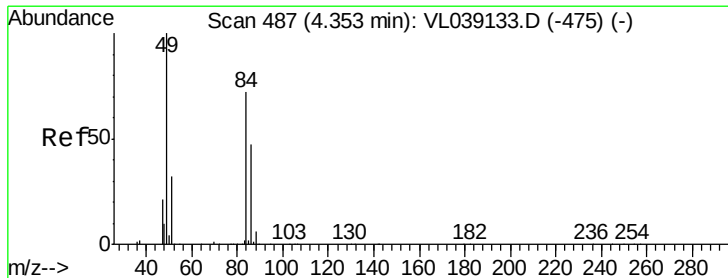
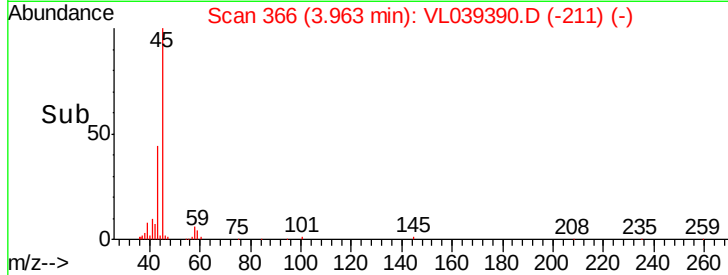
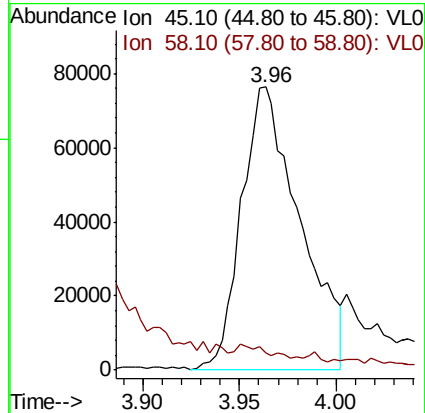
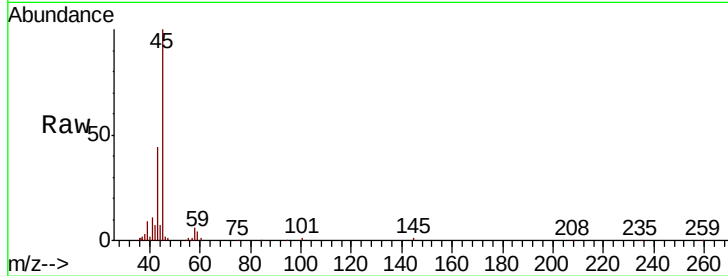
Acq: 28 Jun 2022 12:30 SV-6-20220624DL

Tot Ion: 45 Resp: 159784

Ion Ratio Lower Upper

45 100

58 212.2 1.8 2.8#



#20

Methylene Chloride

Concen: 2.369 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL039390.D

Acq: 28 Jun 2022 12:30

Tgt Ion: 84 Resp: 118084

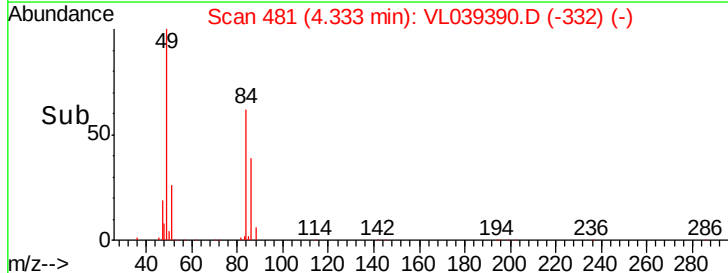
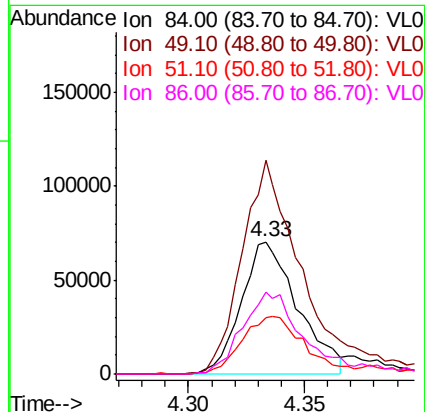
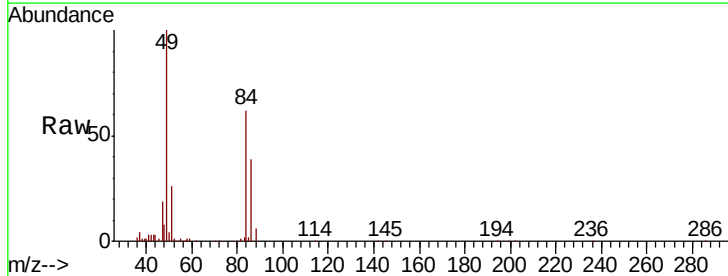
Ion Ratio Lower Upper

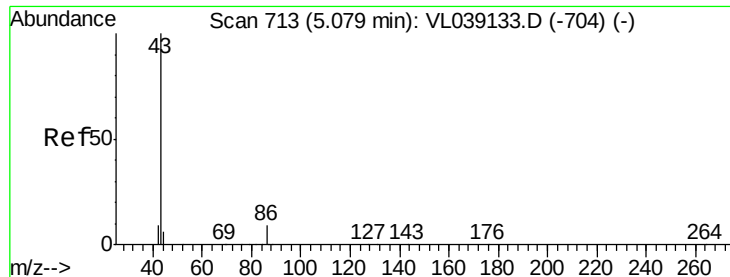
84 100

49 161.8 111.1 166.7

51 42.2 35.3 52.9

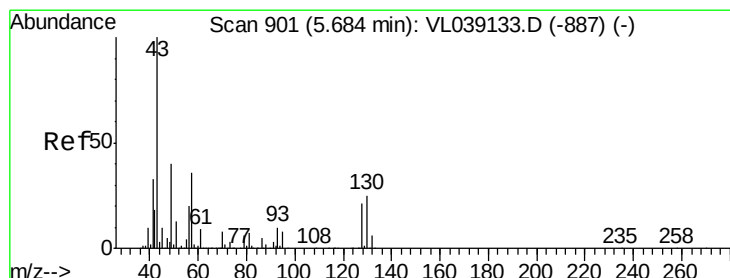
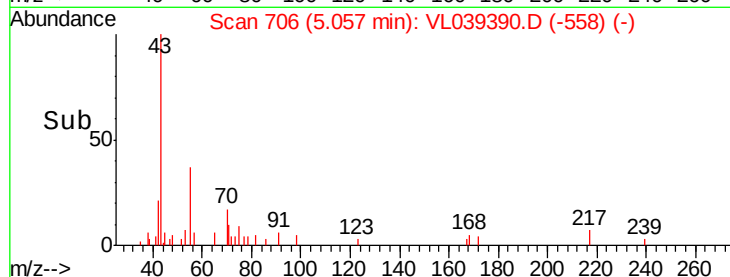
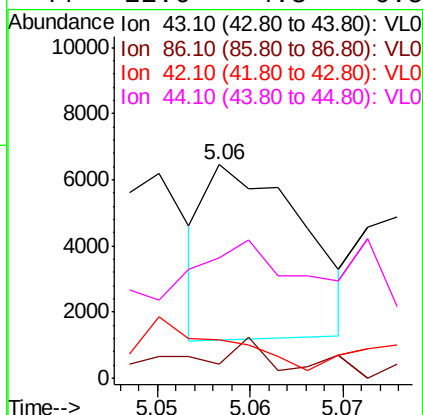
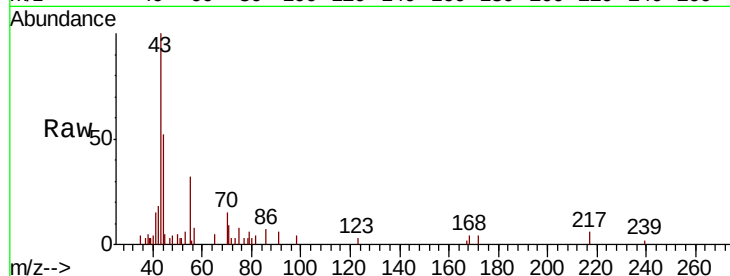
86 62.3 51.9 77.9





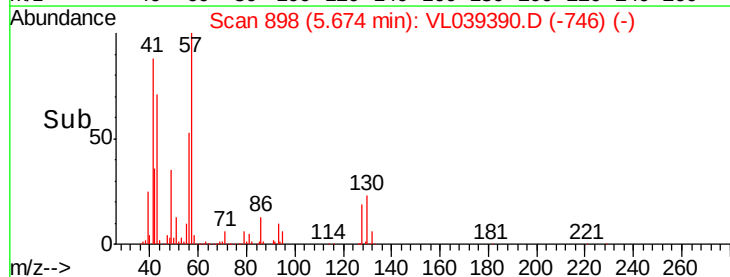
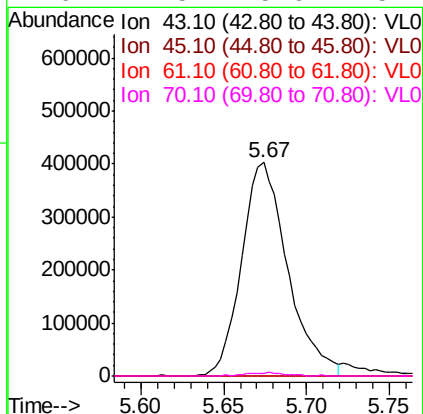
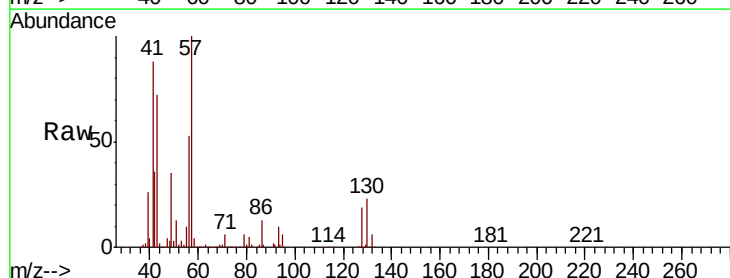
#23
 Vinyl Acetate
 Concen: 0.039 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-6-20220624DL
 Acq: 28 Jun 2022 12:30

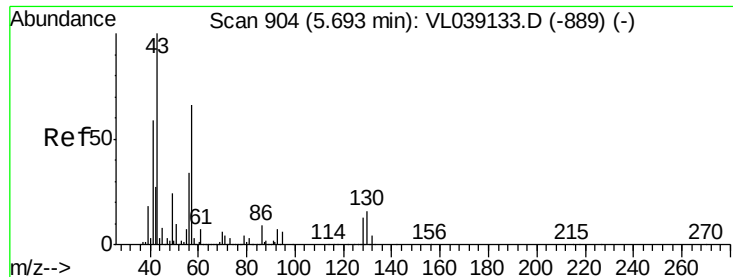
Tot Ion:	43	Resp:	3819
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	15.2	8.2	12.4#
44	22.6	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 2.922 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VL039390.D
 Acq: 28 Jun 2022 12:30

Tgt Ion:	43	Resp:	779226
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.2#
61	0.2	8.4	12.6#
70	1.5	5.6	8.4#

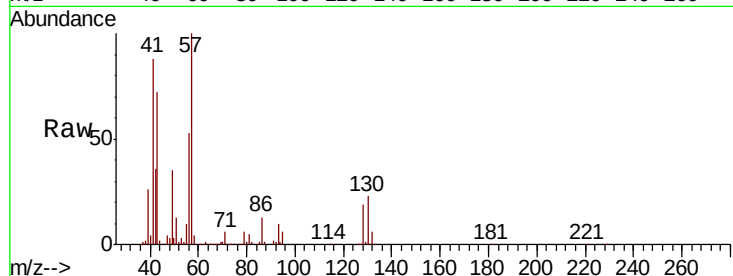




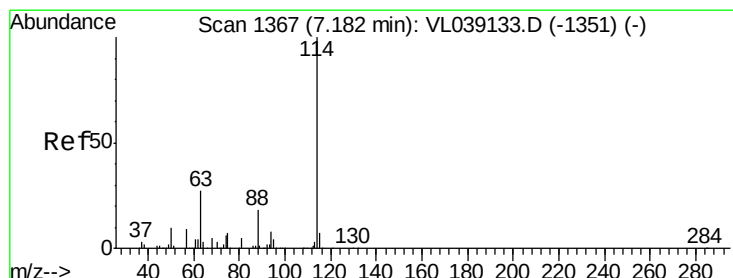
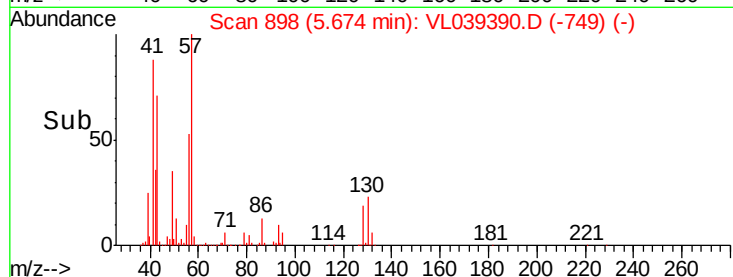
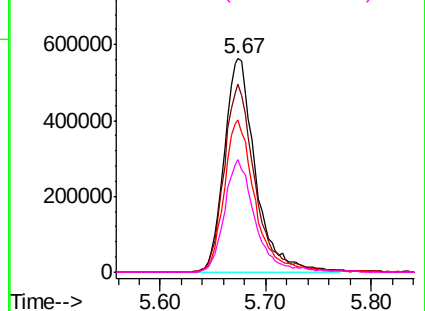
#26
Hexane
Concen: 9.869 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-6-20220624DL
Acq: 28 Jun 2022 12:30

Tot Ion: 57 Resp: 1156396

Ion	Ratio	Lower	Upper
57	100		
41	88.6	72.4	108.6
43	70.7	187.0	280.6#
56	52.3	41.8	62.6



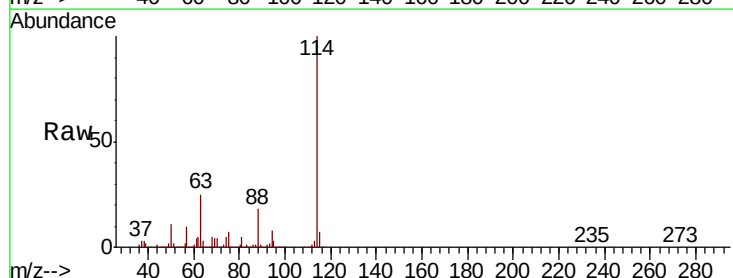
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



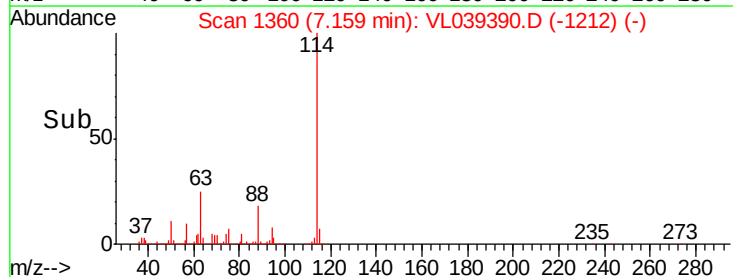
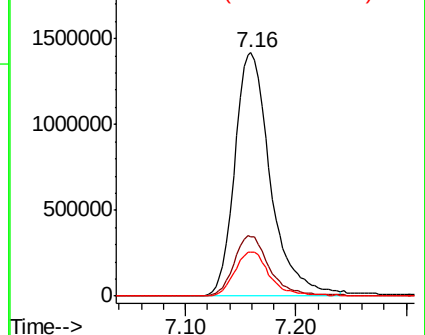
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL039390.D
Acq: 28 Jun 2022 12:30

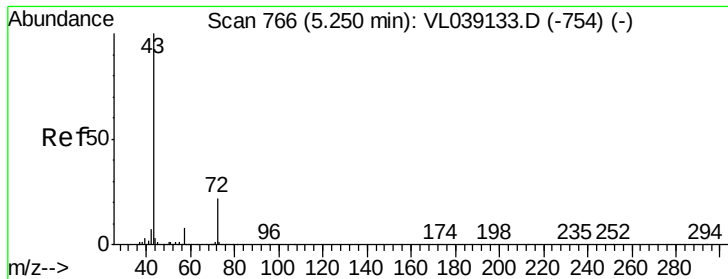
Tgt Ion: 114 Resp: 3185804

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	18.4	14.8	22.2



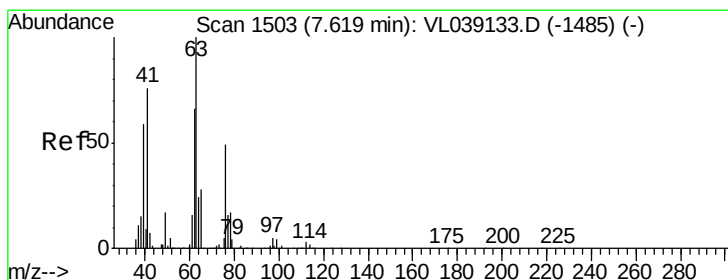
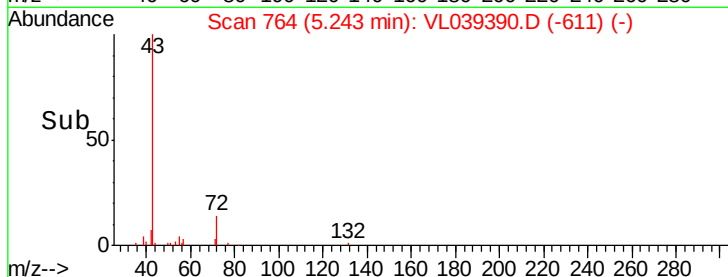
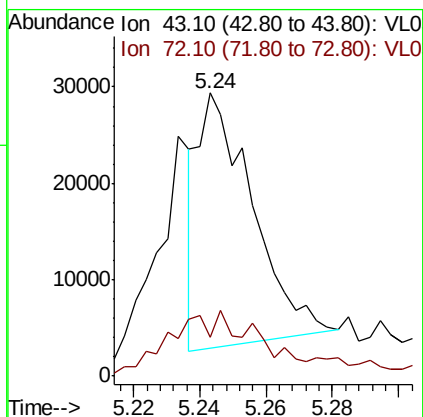
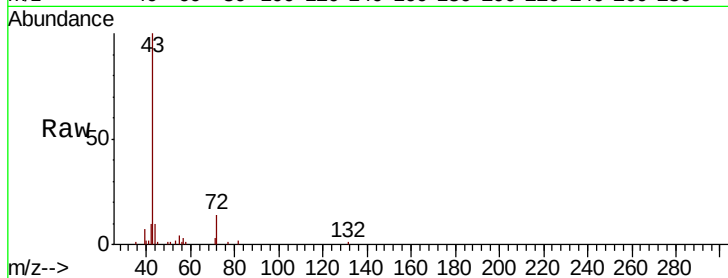
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





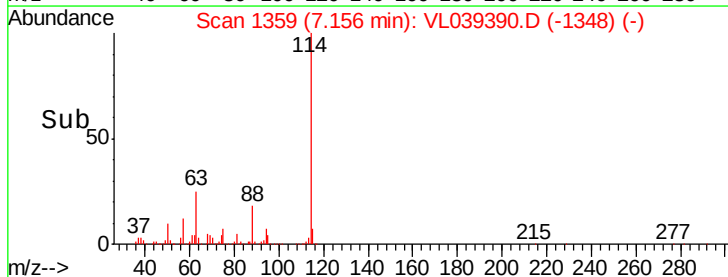
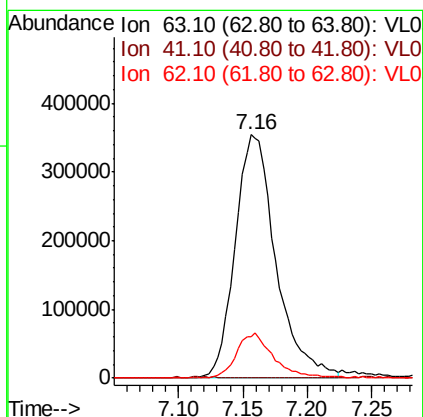
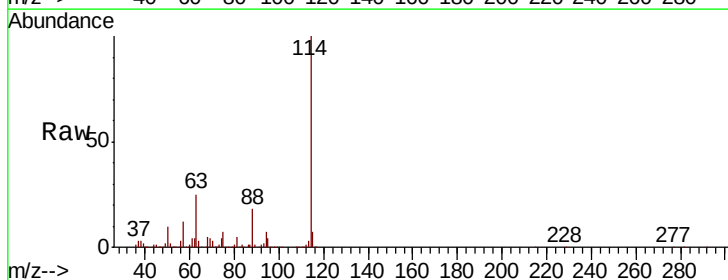
#34
 2-Butanone
 Concen: 0.173 ppbv
 RT: 5.24
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Jun 2022 12:30

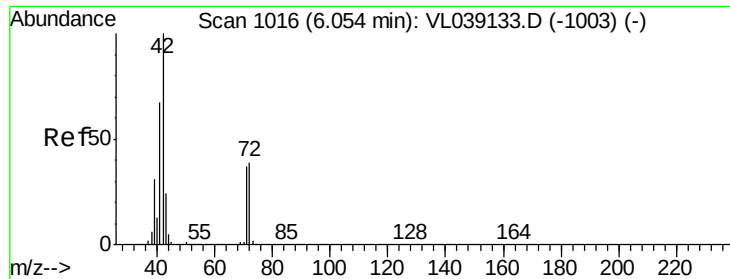
Tot Ion: 43 Resp: 29921
 Ion Ratio Lower Upper
 43 100
 72 50.9 18.2 27.2#



#39
 1,2-Dichloropropane
 Concen: 7.575 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.46 min
 Lab File: VL039390.D
 Acq: 28 Jun 2022 12:30

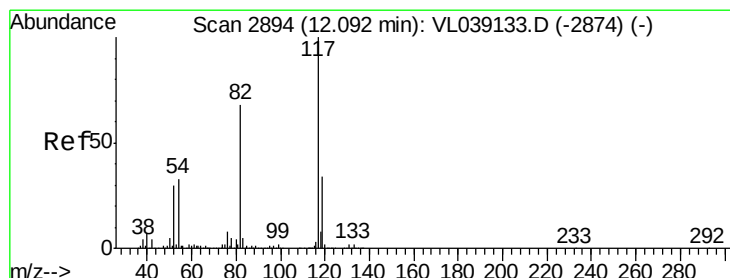
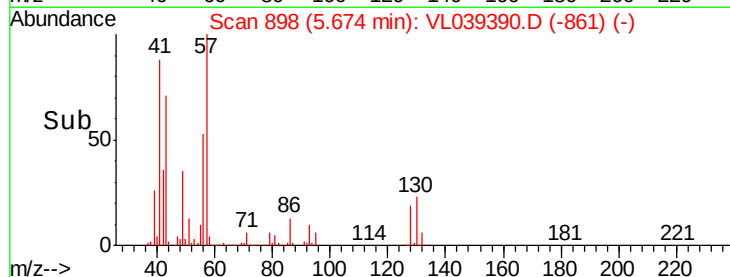
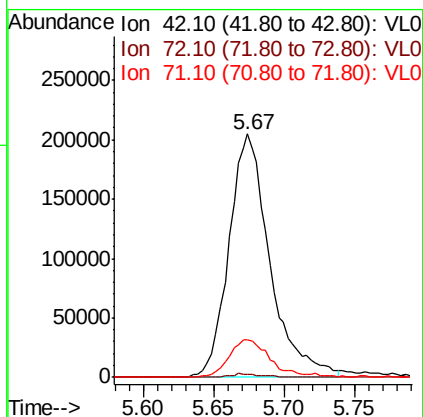
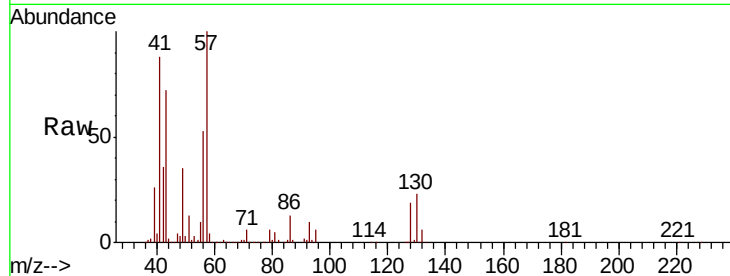
Tgt Ion: 63 Resp: 779333
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.8 91.2#
 62 17.2 52.9 79.3#





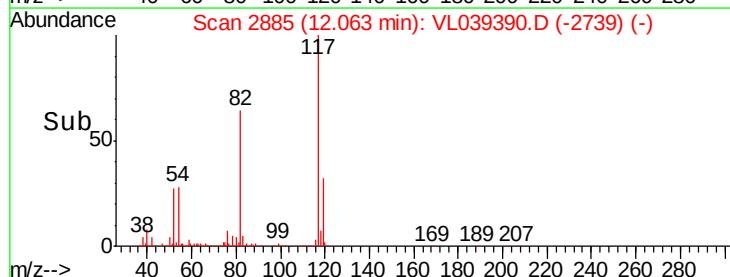
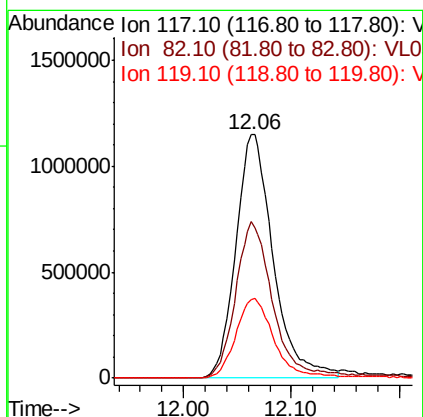
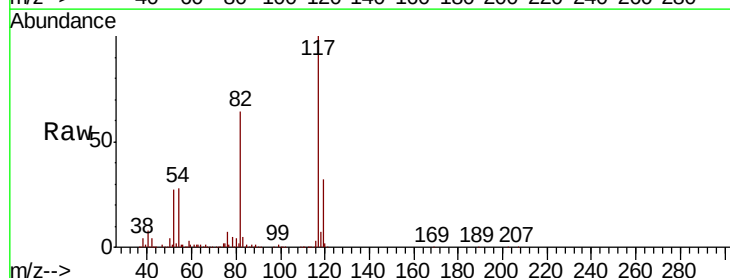
#41
Tetrahydrofuran
Concen: 3.970 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV-6-20220624DL
Acq: 28 Jun 2022 12:30

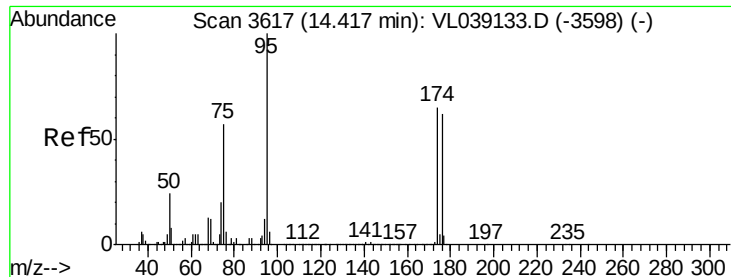
Tot Ion	Ratio	Lower	Upper
42	100		
72	1.2	32.0	48.0#
71	16.0	31.1	46.7#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T.: -0.03 min
Lab File: VL039390.D
Acq: 28 Jun 2022 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.2	55.1	82.7
119	34.3	24.7	37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 8.593 ppbv

RT: 14.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV-6-20220624DL

Acq: 28 Jun 2022 12:30

Tot Ion: 95 Resp: 1978523

Ion Ratio Lower Upper

95 100

174 74.5 53.8 80.8

175 4.9 4.1 6.1

