

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061322\
 Data File : VL039268.D
 Acq On : 14 Jun 2022 1:59
 Operator : SY/AP
 Sample : N3306-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Quant Time: Jun 14 02:53:54 2022
 Quant Method : Z:\VOASRV\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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1154463	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2613225	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2171479	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1876204	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

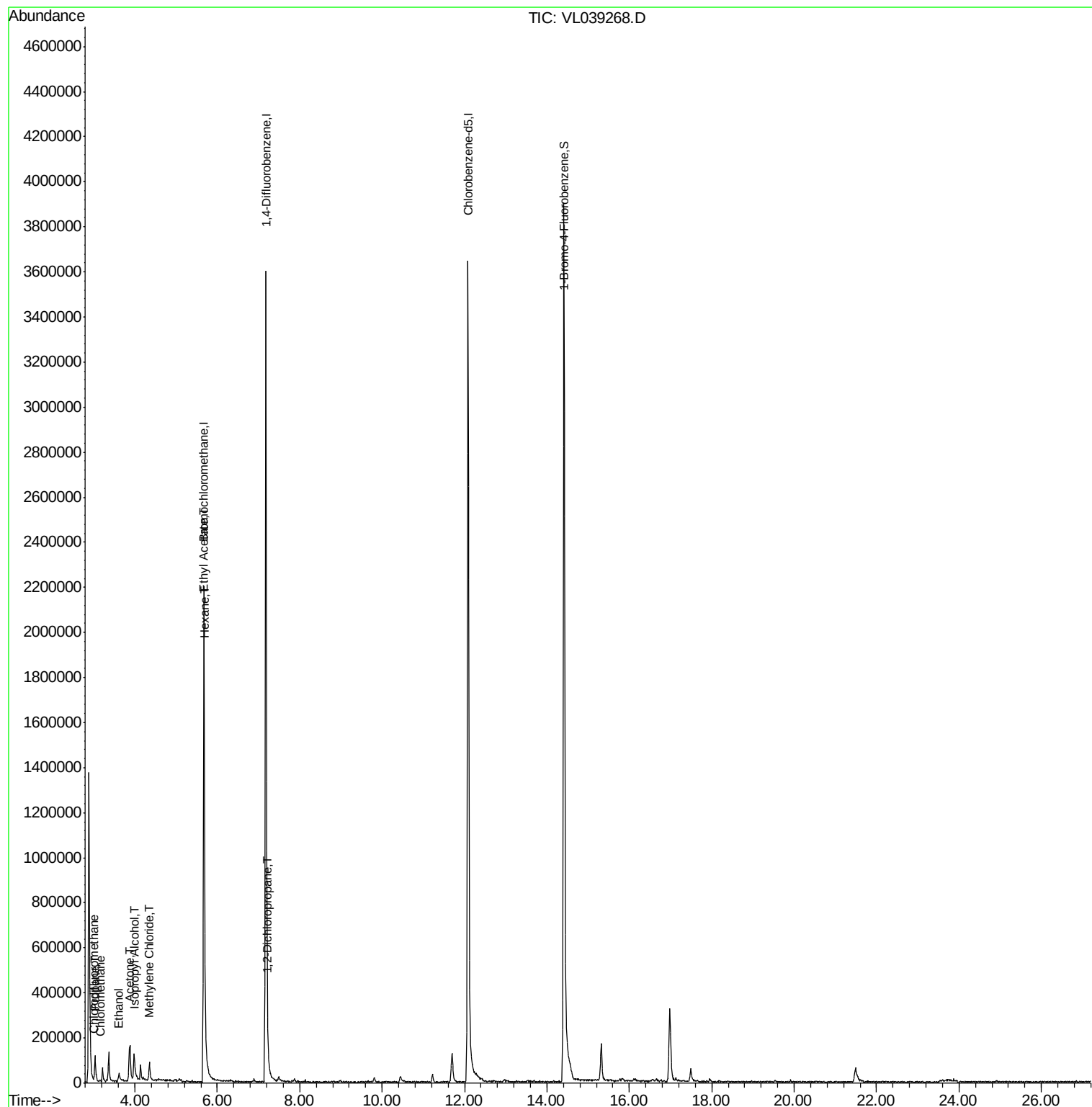
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	9634	0.066	ppbv	93
4) Chloromethane	3.15	50	2810	0.037	ppbv #	70
9) Propene	3.03	41	27422	0.428	ppbv	84
13) Ethanol	3.61	45	17517	5.015	ppbv #	100
15) Acetone	3.86	43	192030	1.597	ppbv	100
19) Isopropyl Alcohol	3.98	45	130524	2.314	ppbv #	92
20) Methylene Chloride	4.35	84	34256	0.676	ppbv #	93
25) Ethyl Acetate	5.69	43	23439	0.086	ppbv #	92
26) Hexane	5.69	57	12396	0.104	ppbv #	60
39) 1,2-Dichloropropane	7.23	63	8555	0.101	ppbv #	19

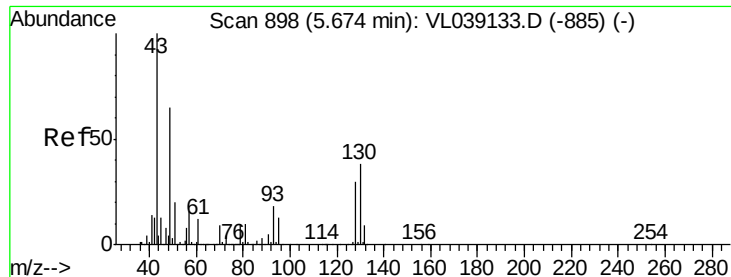
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SS-1DL

Acq: 14 Jun 2022 1:59

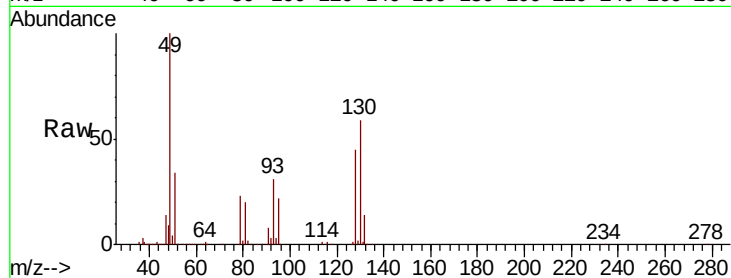
Tot Ion: 49 Resp: 1154463

Ion Ratio Lower Upper

49 100

128 47.7 24.7 74.1

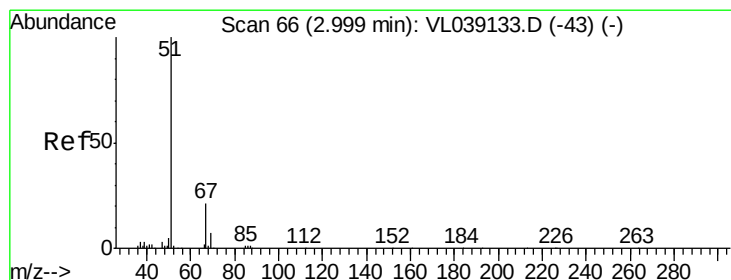
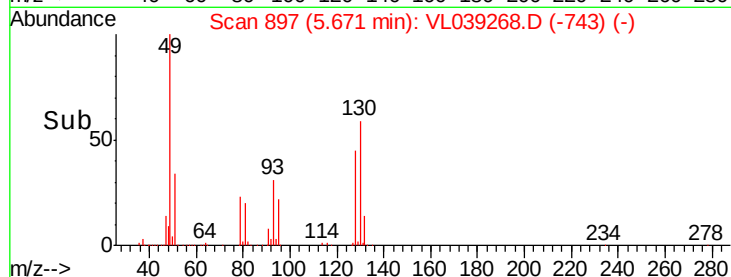
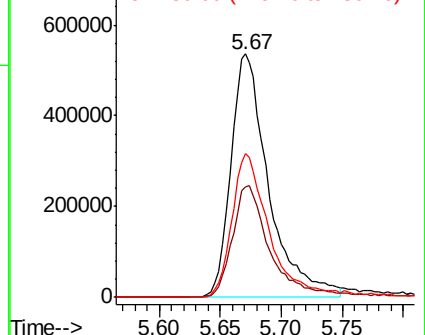
130 59.8 31.4 94.0



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



#3

Chlorodifluoromethane

Concen: 0.066 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL039268.D

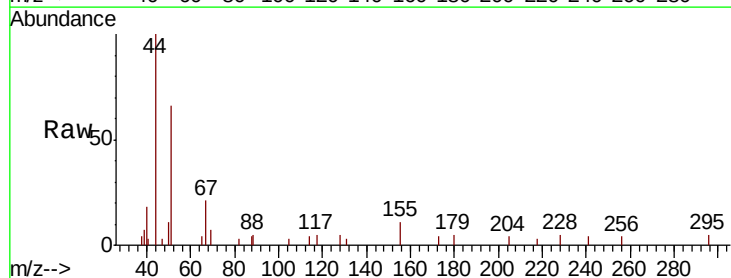
Acq: 14 Jun 2022 1:59

Tgt Ion: 51 Resp: 9634

Ion Ratio Lower Upper

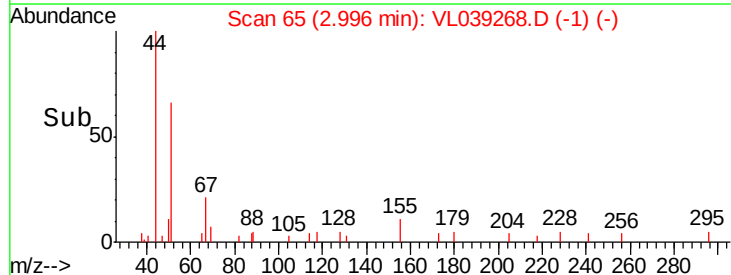
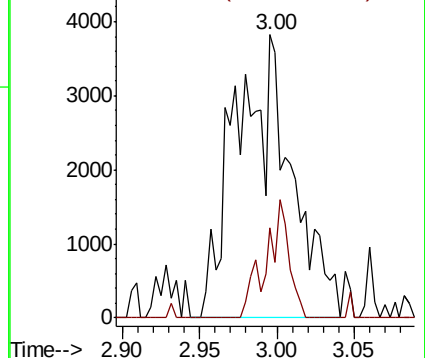
51 100

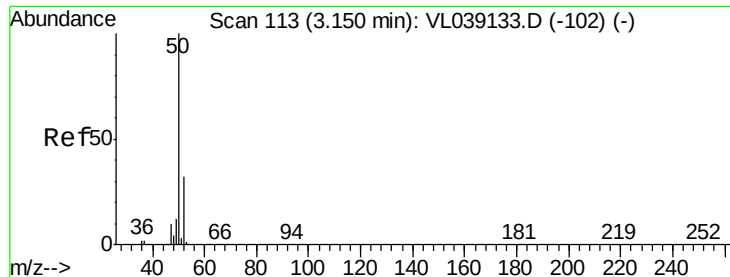
67 17.2 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.037 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

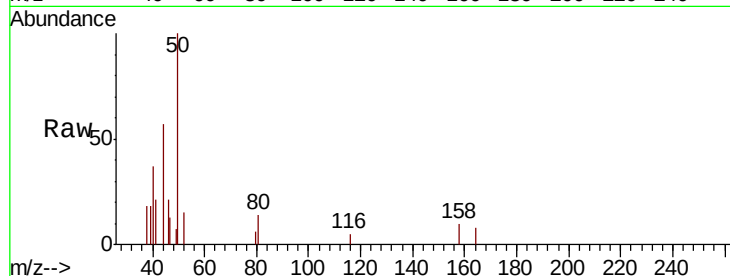
Acq: 14 Jun 2022 1:59

Tot Ion: 50 Resp: 2810

Ion Ratio Lower Upper

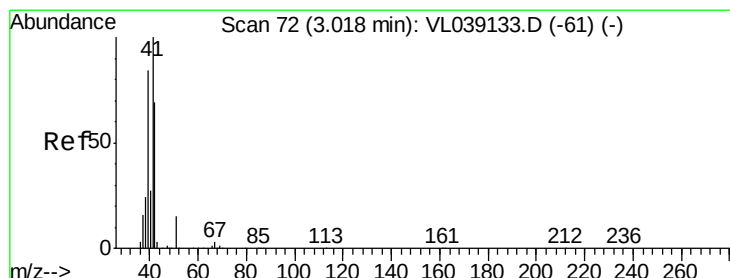
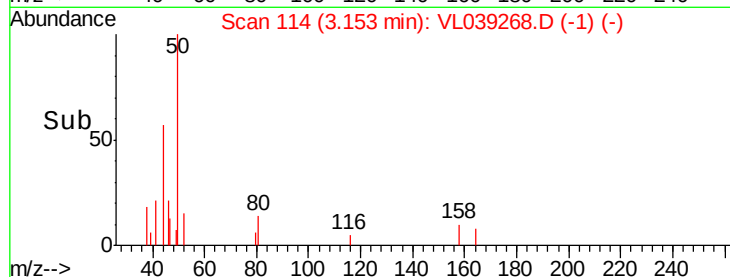
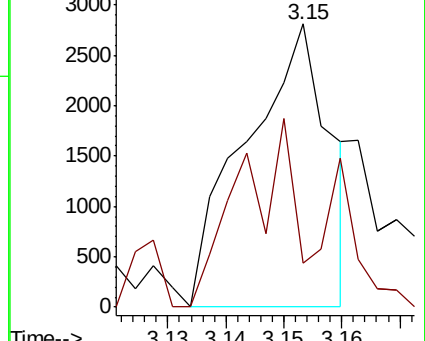
50 100

52 15.3 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.428 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL039268.D

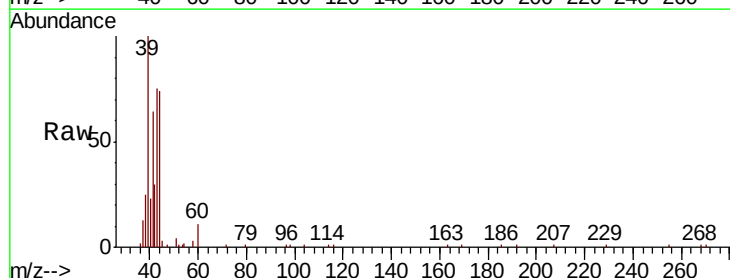
Acq: 14 Jun 2022 1:59

Tgt Ion: 41 Resp: 27422

Ion Ratio Lower Upper

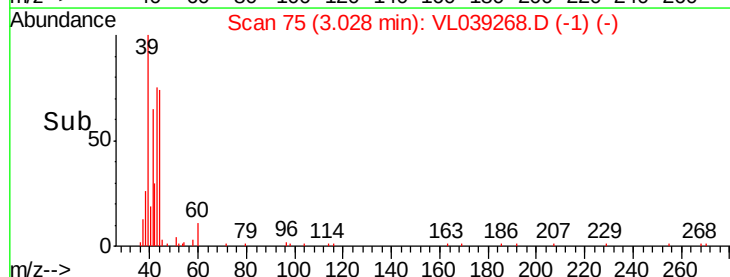
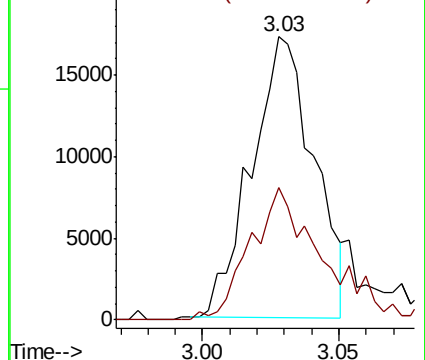
41 100

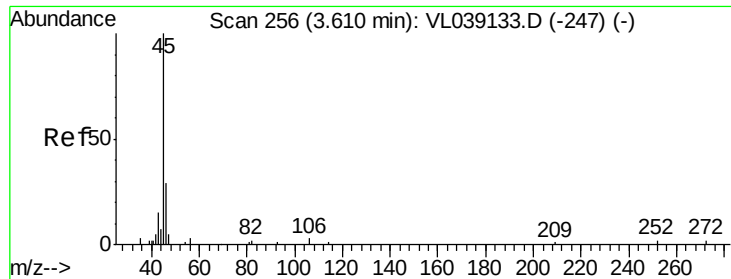
42 56.3 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

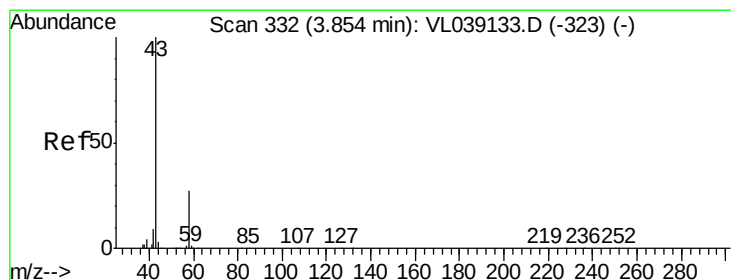
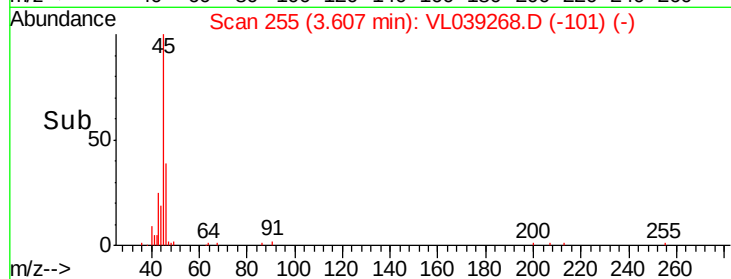
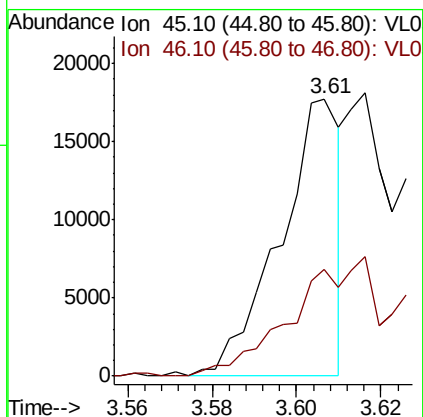
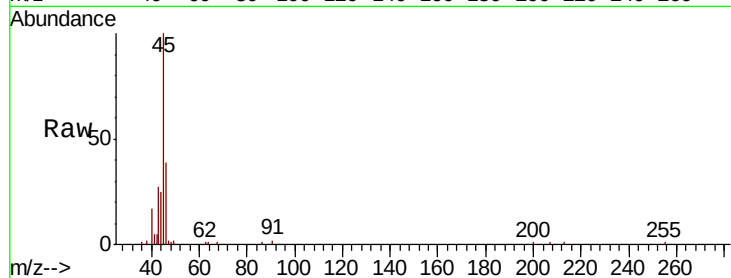
Ion 42.10 (41.80 to 42.80): VL0





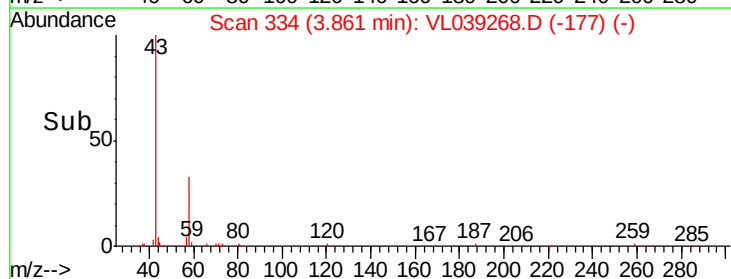
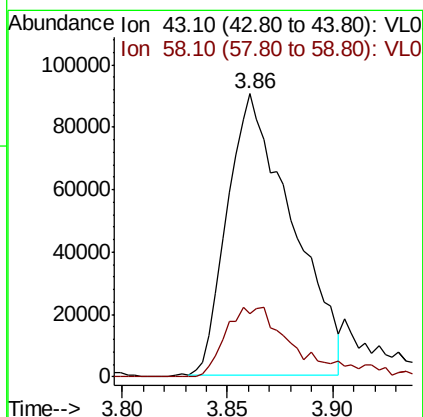
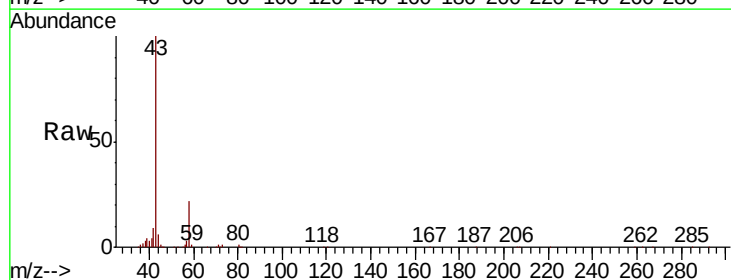
#13
Ethanol
Concen: 5.015 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 14 Jun 2022 1:59

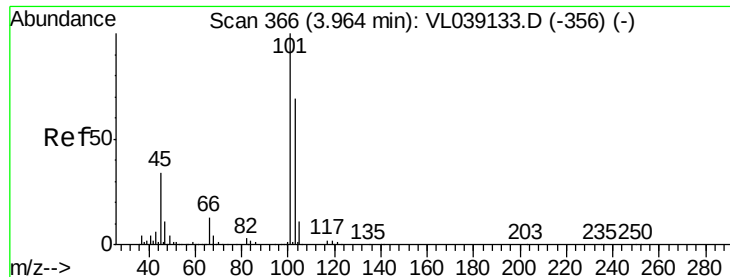
Tot Ion: 45 Resp: 17517
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#15
Acetone
Concen: 1.597 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL039268.D
Acq: 14 Jun 2022 1:59

Tgt Ion: 43 Resp: 192030
Ion Ratio Lower Upper
43 100
58 27.9 22.5 33.7





#19

Isopropyl Alcohol

Concen: 2.314 ppbv

RT: 3.98 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

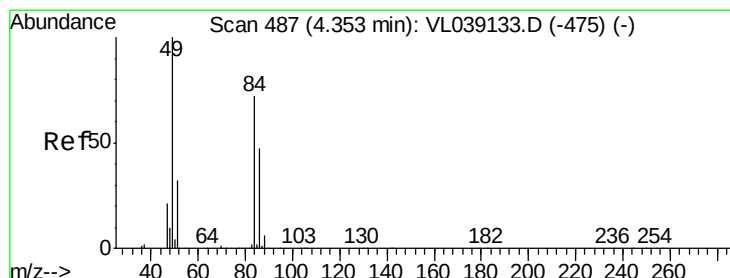
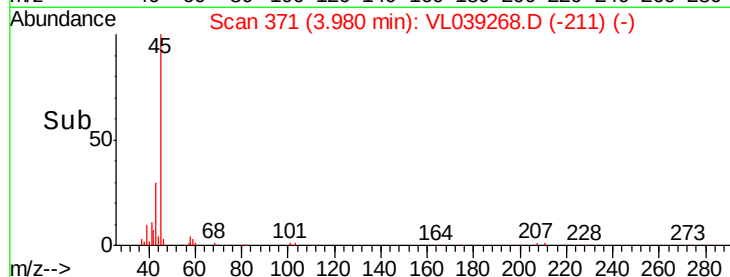
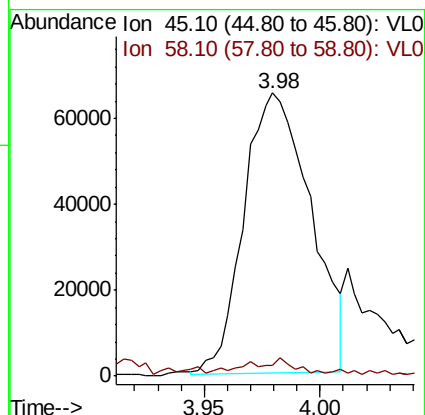
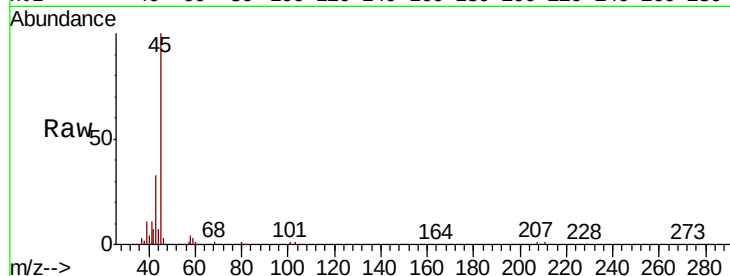
Acq: 14 Jun 2022 1:59

Tot Ion: 45 Resp: 130524

Ion Ratio Lower Upper

45 100

58 5.1 1.8 2.8#



#20

Methylene Chloride

Concen: 0.676 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.01 min

Lab File: VL039268.D

Acq: 14 Jun 2022 1:59

Tgt Ion: 84 Resp: 34256

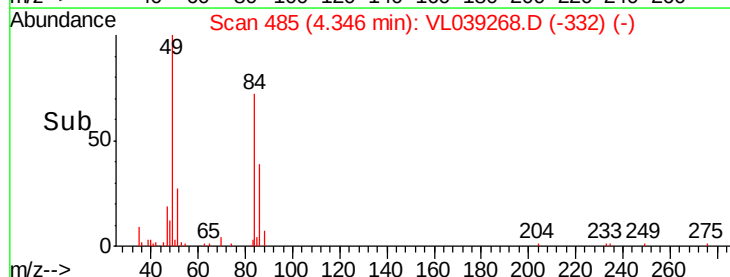
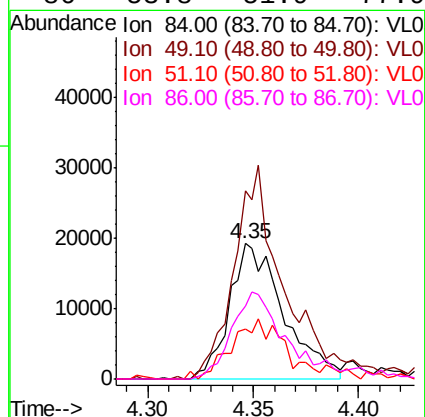
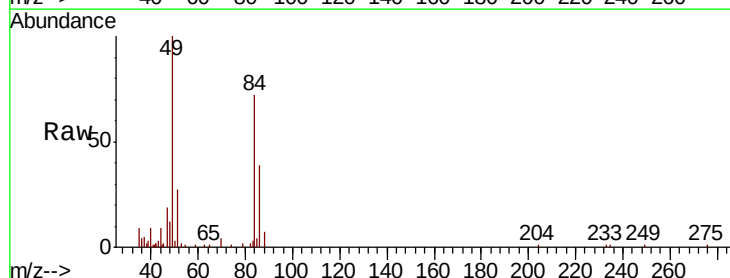
Ion Ratio Lower Upper

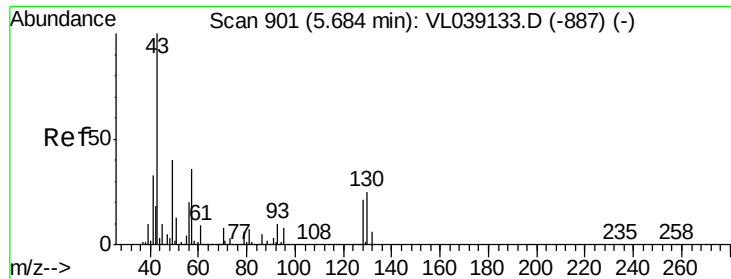
84 100

49 139.1 111.1 166.7

51 32.3 35.3 52.9#

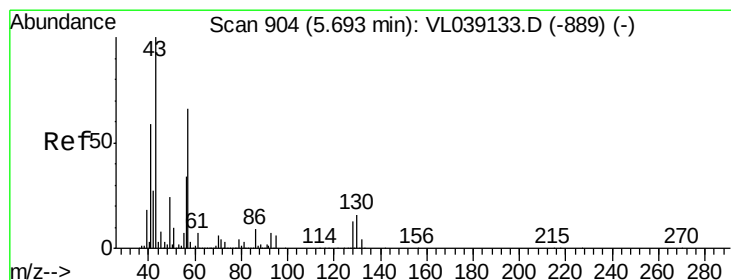
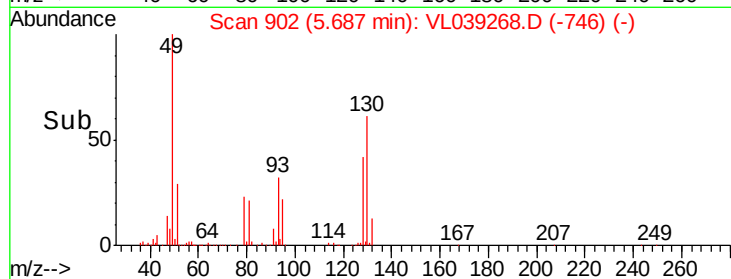
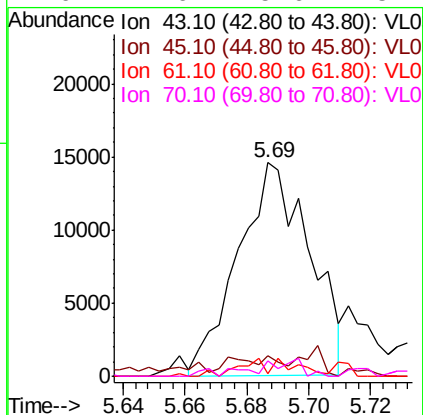
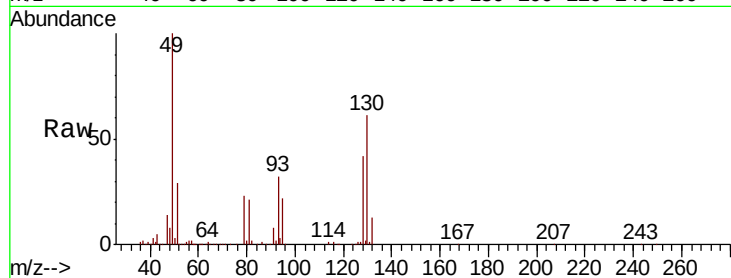
86 53.8 51.9 77.9





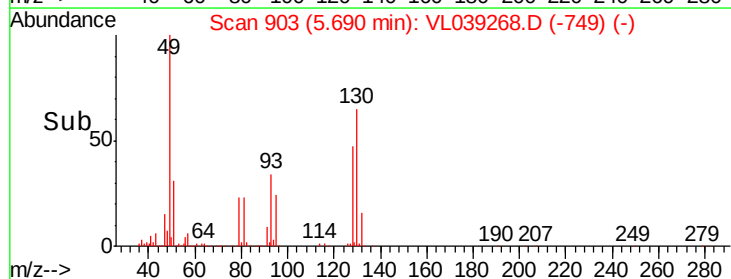
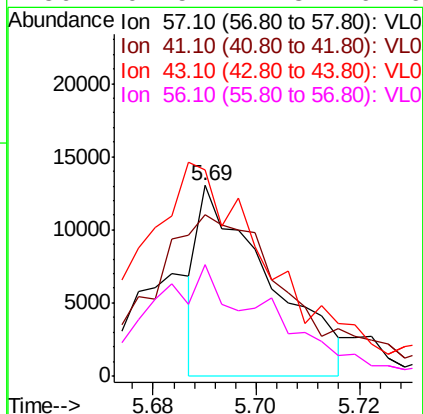
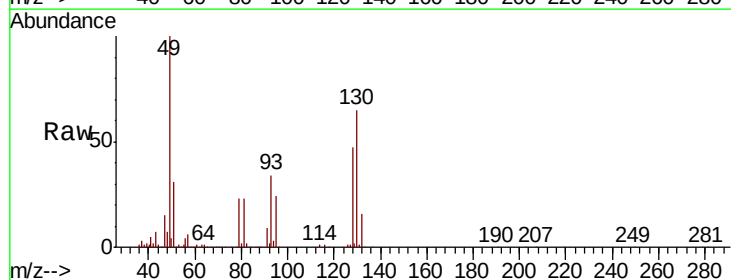
#25
Ethyl Acetate
Concen: 0.086 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Jun 2022 1:59

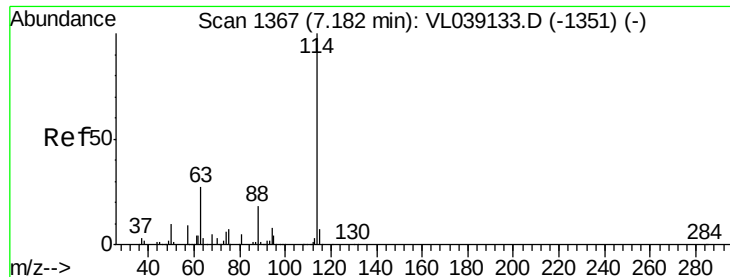
Tot Ion:	43	Resp:	23439
Ion	Ratio	Lower	Upper
43	100		
45	5.2	8.2	12.2#
61	7.6	8.4	12.6#
70	7.6	5.6	8.4



#26
Hexane
Concen: 0.104 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: -0.00 min
Lab File: VL039268.D
Acq: 14 Jun 2022 1:59

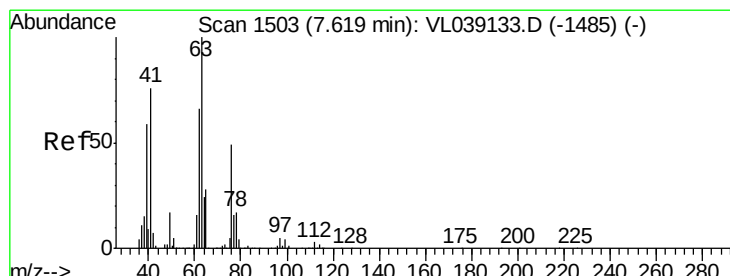
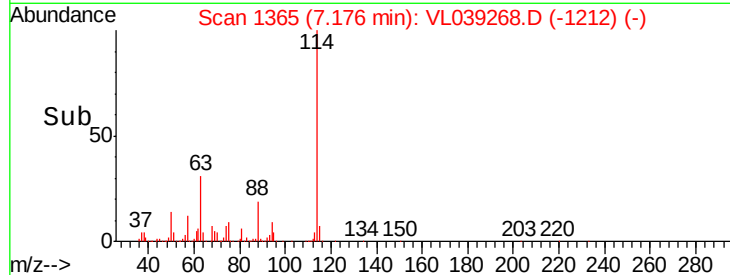
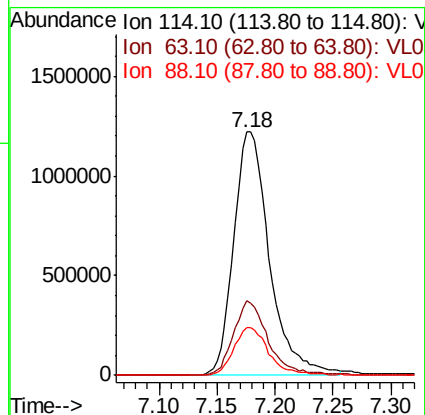
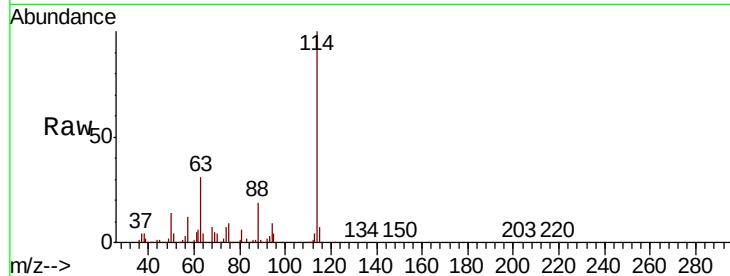
Tgt Ion:	57	Resp:	12396
Ion	Ratio	Lower	Upper
57	100		
41	191.1	72.4	108.6#
43	243.1	187.0	280.6
56	107.5	41.8	62.6#





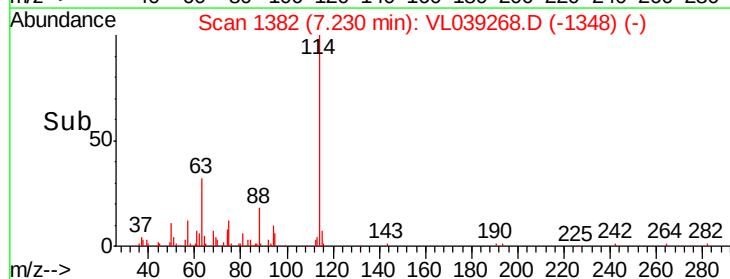
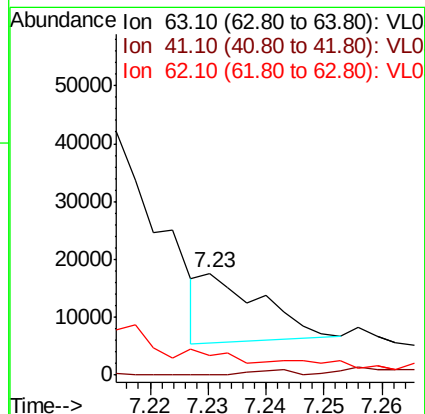
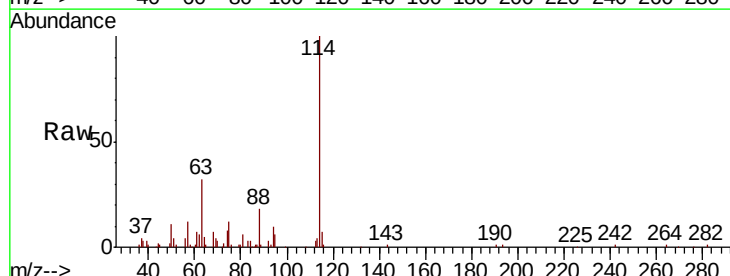
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1DL
 Acq: 14 Jun 2022 1:59

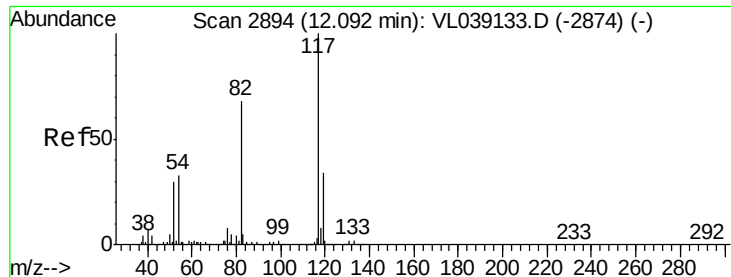
Tot Ion:114 Resp: 2613225
 Ion Ratio Lower Upper
 114 100
 63 30.1 21.7 32.5
 88 19.7 14.8 22.2



#39
 1,2-Dichloropropane
 Concen: 0.101 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. -0.39 min
 Lab File: VL039268.D
 Acq: 14 Jun 2022 1:59

Tgt Ion: 63 Resp: 8555
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.8 91.2#
 62 8.7 52.9 79.3#

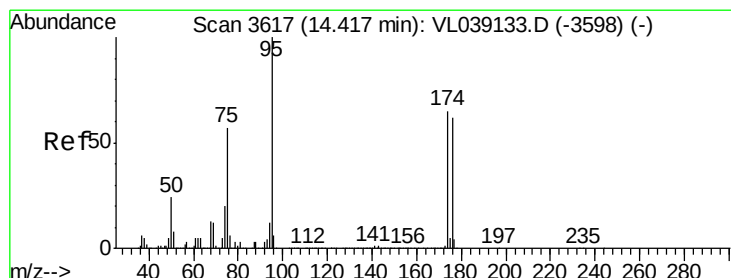
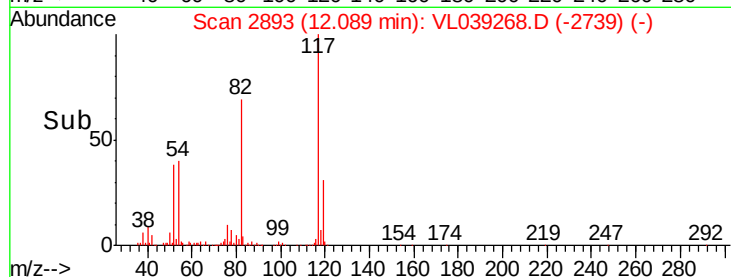
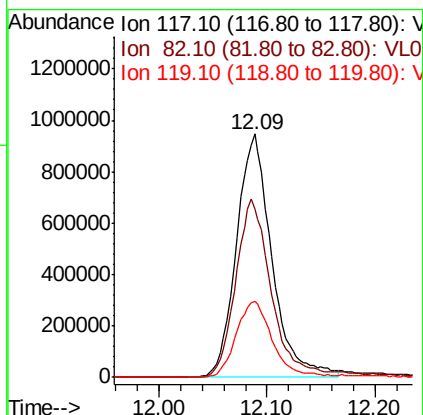
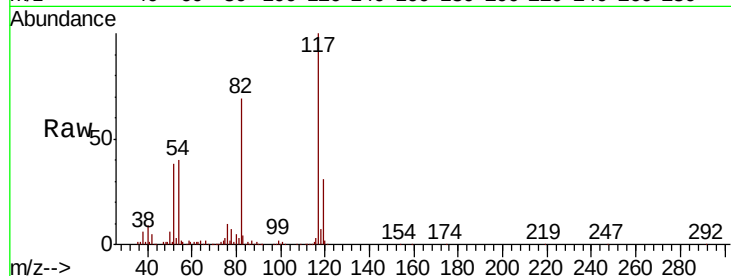




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Jun 2022 1:59

Tot Ion: 117 Resp: 2171479

Ion	Ratio	Lower	Upper
117	100		
82	76.3	55.1	82.7
119	32.8	24.7	37.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.451 ppbv
RT: 14.42 min Scan# 3617
Delta R.T.: -0.00 min
Lab File: VL039268.D
Acq: 14 Jun 2022 1:59

Tgt Ion: 95 Resp: 1876204

Ion	Ratio	Lower	Upper
95	100		
174	60.2	53.8	80.8
175	4.2	4.1	6.1

