

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061522\
 Data File : VL039313.D
 Acq On : 16 Jun 2022 2:44
 Operator : SY/AP
 Sample : N3338-03DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Jun 16 04:38:19 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	1188905	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3340285	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3006304	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2322753	9.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%

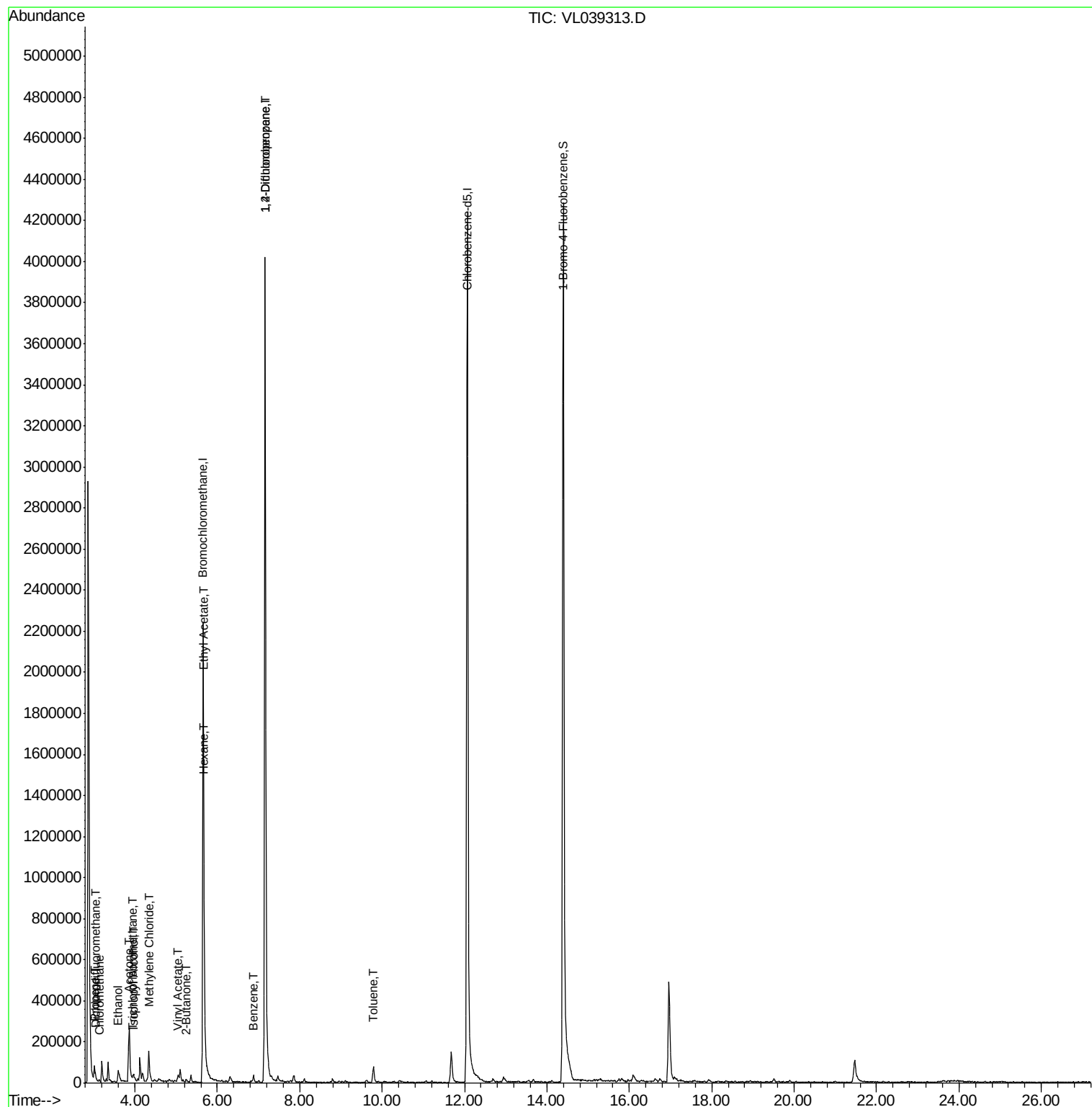
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	21819	0.104	ppbv	100
4) Chloromethane	3.14	50	3770	0.049	ppbv #	84
9) Propene	3.01	41	9702	0.147	ppbv #	13
11) Trichlorofluoromethane	3.95	101	9365	0.050	ppbv	94
13) Ethanol	3.60	45	45884	12.755	ppbv #	100
15) Acetone	3.84	43	117848	0.952	ppbv #	57
19) Isopropyl Alcohol	3.96	45	12780	0.220	ppbv #	93
20) Methylene Chloride	4.33	84	52179	1.000	ppbv	96
23) Vinyl Acetate	5.06	43	3797	0.037	ppbv #	63
25) Ethyl Acetate	5.67	43	49226	0.176	ppbv #	82
26) Hexane	5.68	57	62668	0.511	ppbv #	41
34) 2-Butanone	5.24	43	8532	0.047	ppbv #	32
36) Benzene	6.88	78	23913	0.088	ppbv #	86
39) 1,2-Dichloropropane	7.16	63	825363	7.652	ppbv #	24
53) Toluene	9.78	91	30430	0.097	ppbv #	21

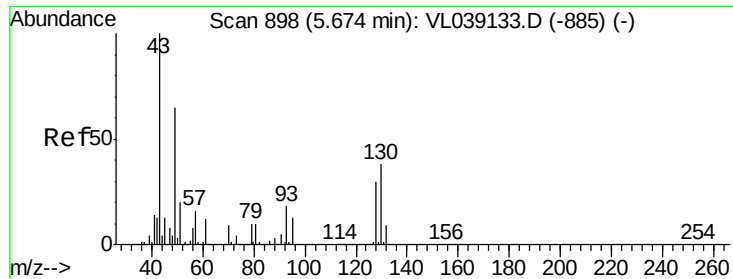
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061522\
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Instrument :
MSVOA_L
ClientSampleId :
OA1DL

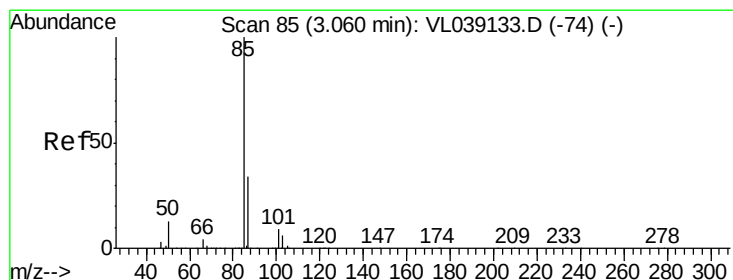
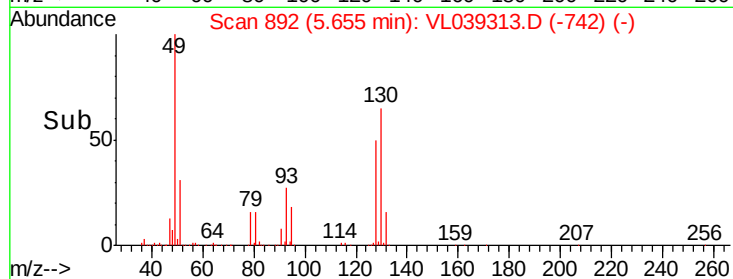
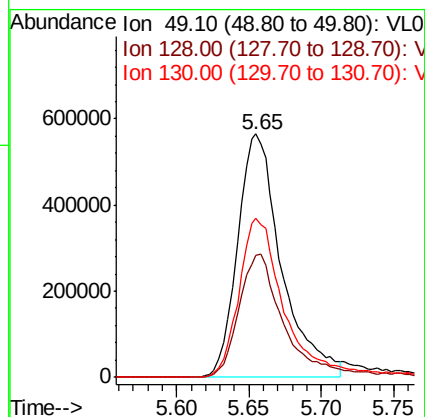
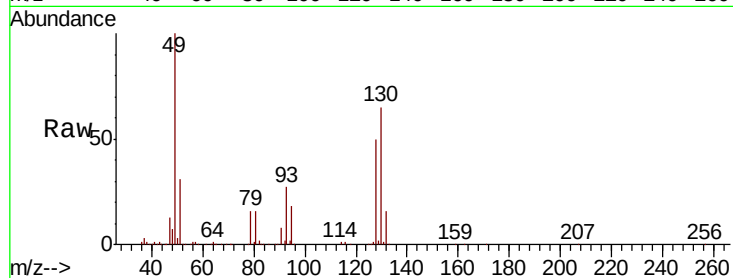
Quant Time: Jun 16 04:38:19 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
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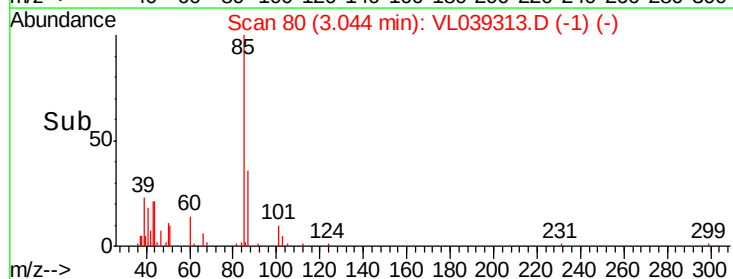
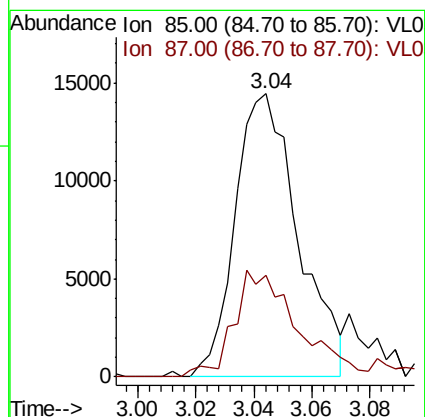
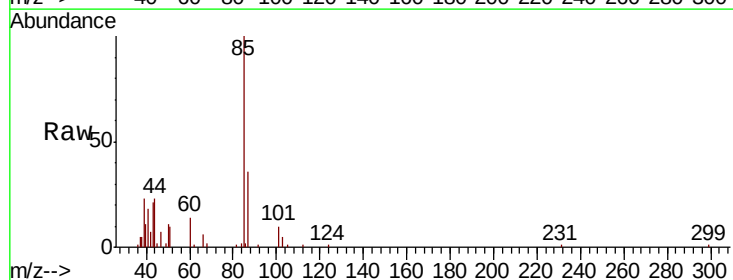
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Jun 2022 2:44

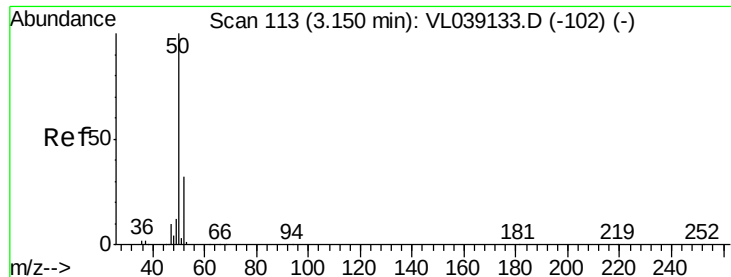
Tot Ion: 49 Resp: 1188905
 Ion Ratio Lower Upper
 49 100
 128 54.3 24.7 74.1
 130 70.2 31.4 94.0



#2
 Dichlorodifluoromethane
 Concen: 0.104 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. -0.02 min
 Lab File: VL039313.D
 Acq: 16 Jun 2022 2:44

Tgt Ion: 85 Resp: 21819
 Ion Ratio Lower Upper
 85 100
 87 33.7 26.9 40.3





#4

Chloromethane

Concen: 0.049 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

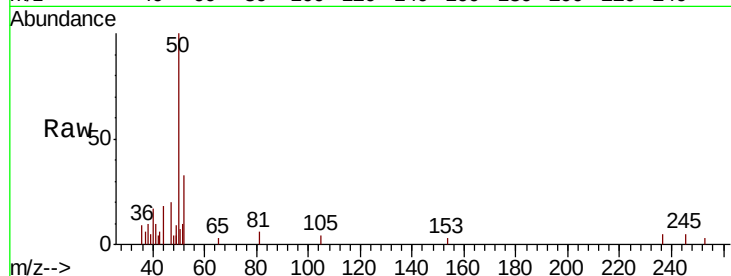
Acq: 16 Jun 2022 2:44

Tot Ion: 50 Resp: 3770

Ion Ratio Lower Upper

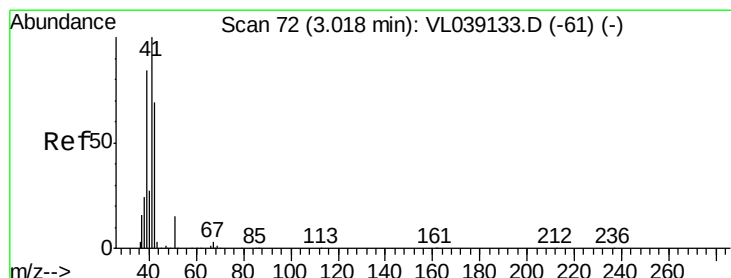
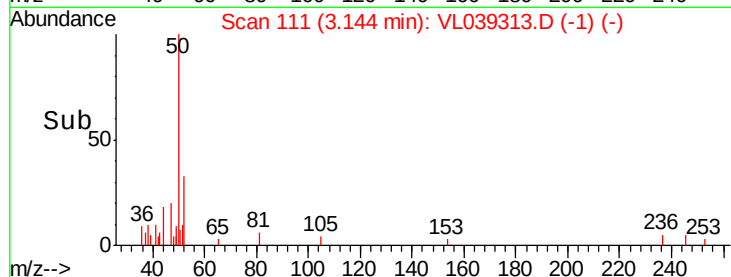
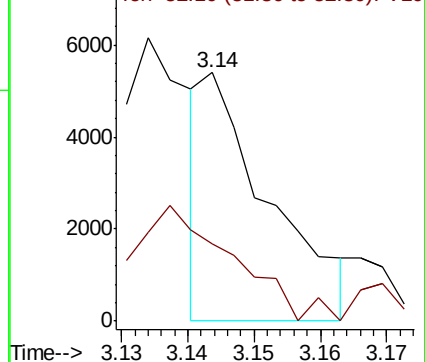
50 100

52 41.4 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: 0.147 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL039133.D

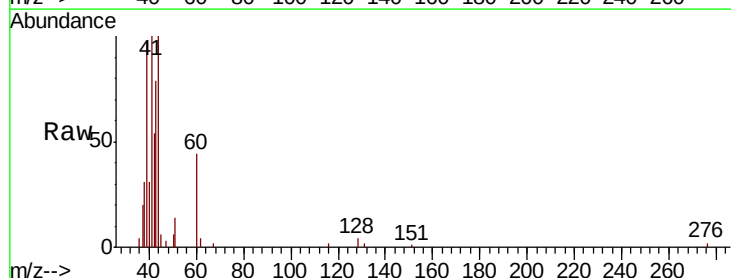
Acq: 16 Jun 2022 2:44

Tgt Ion: 41 Resp: 9702

Ion Ratio Lower Upper

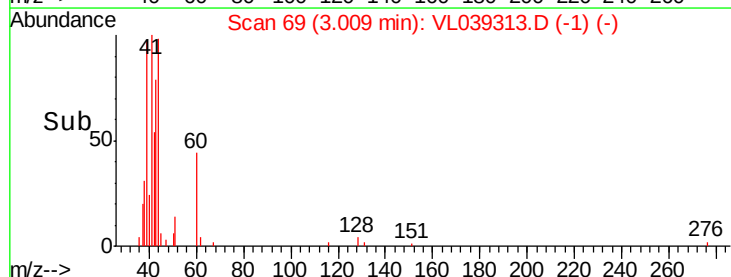
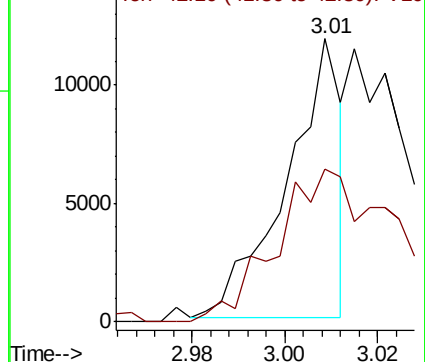
41 100

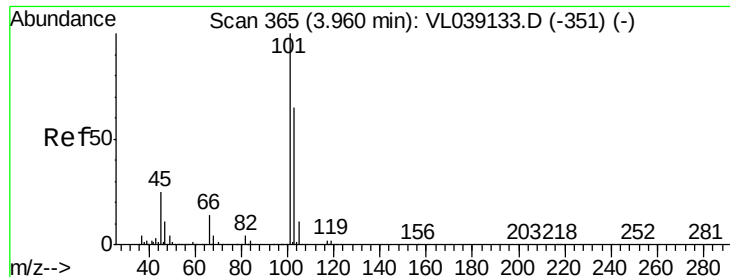
42 139.9 55.4 83.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

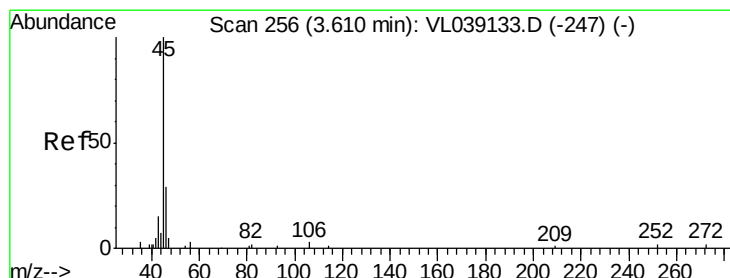
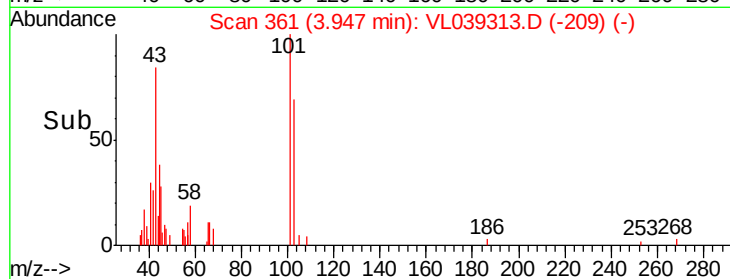
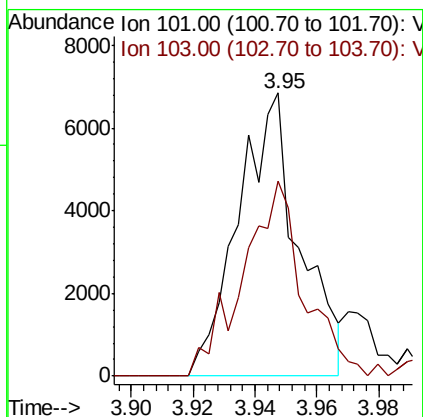
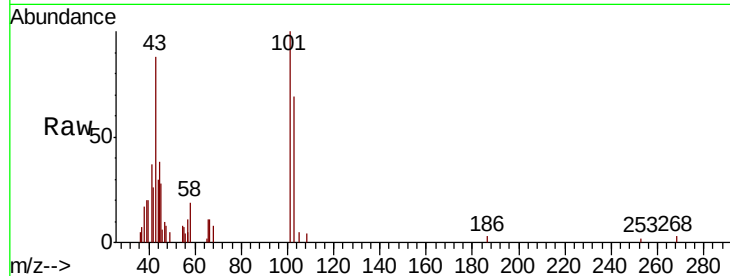
Ion 42.10 (41.80 to 42.80): VL0





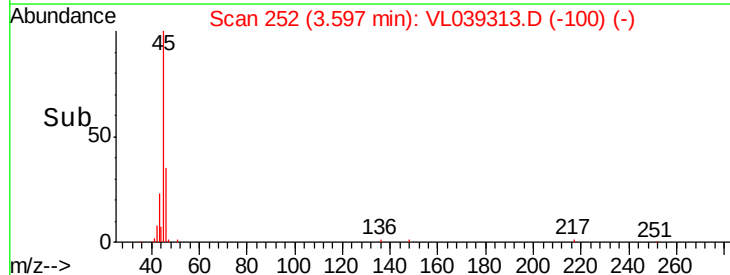
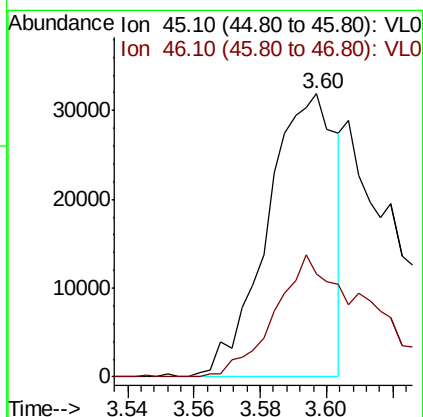
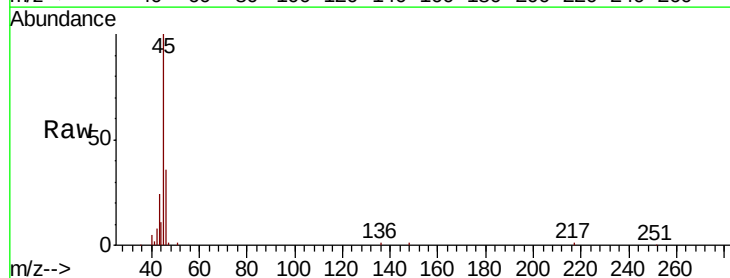
#11
 Trichlorofluoromethane
 Concen: 0.050 ppbv
 RT: 3.95
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Jun 2022 2:44

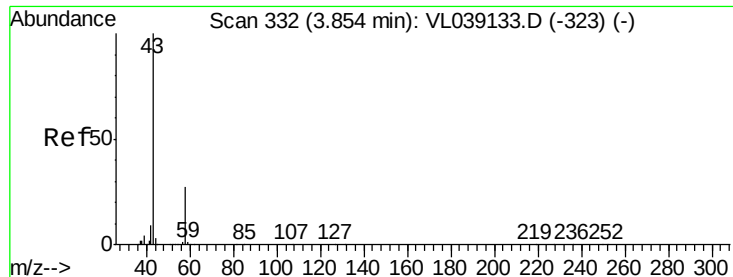
Tot Ion: 101 Resp: 9365
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.7 77.5



#13
 Ethanol
 Concen: 12.755 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL039313.D
 Acq: 16 Jun 2022 2:44

Tgt Ion: 45 Resp: 45884
 Ion Ratio Lower Upper
 45 100
 46 79.9 0.0 0.0#





#15

Acetone

Concen: 0.952 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

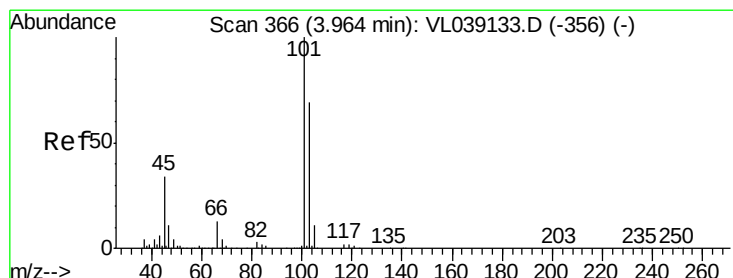
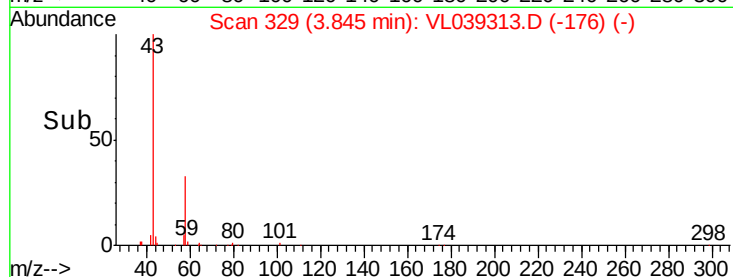
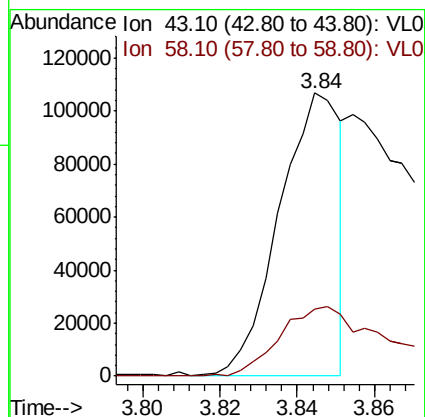
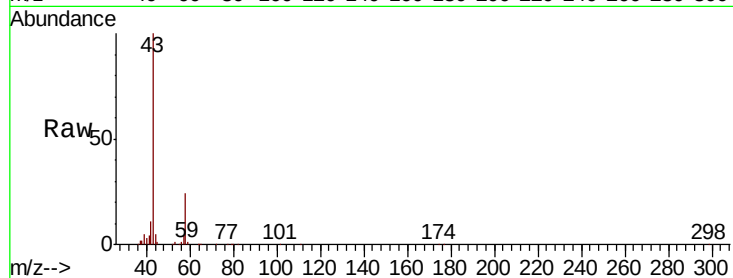
Acq: 16 Jun 2022 2:44

Tot Ion: 43 Resp: 117848

Ion Ratio Lower Upper

43 100

58 50.5 22.5 33.7#



#19

Isopropyl Alcohol

Concen: 0.220 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL039133.D

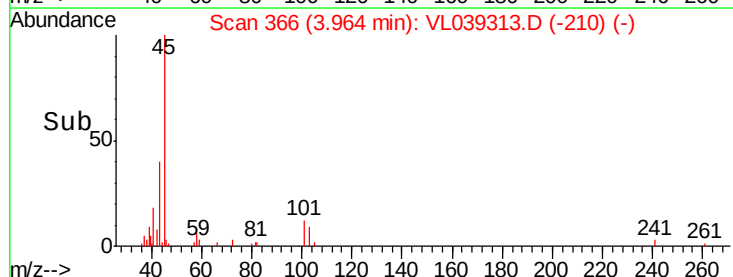
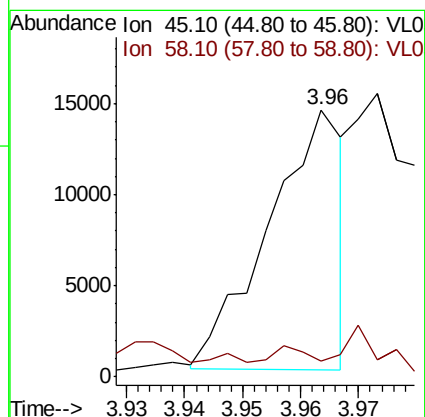
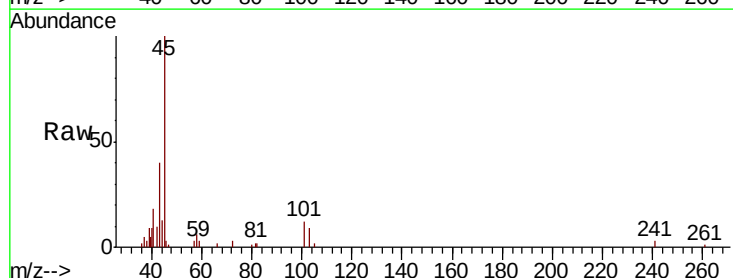
Acq: 16 Jun 2022 2:44

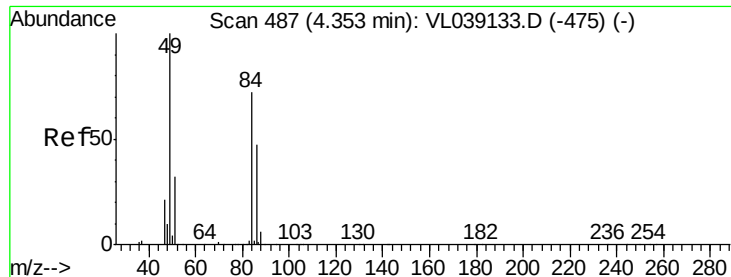
Tgt Ion: 45 Resp: 12780

Ion Ratio Lower Upper

45 100

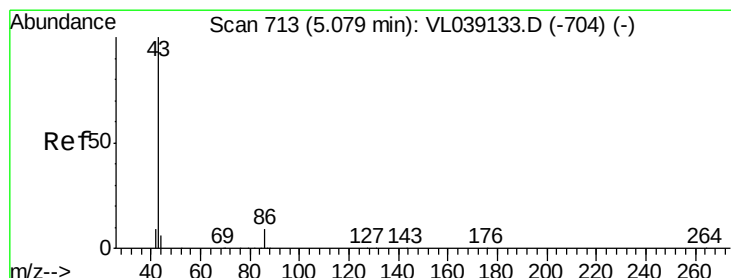
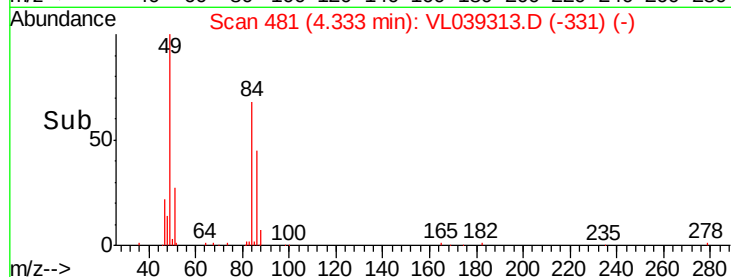
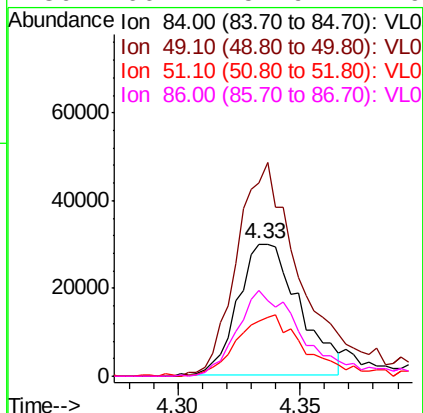
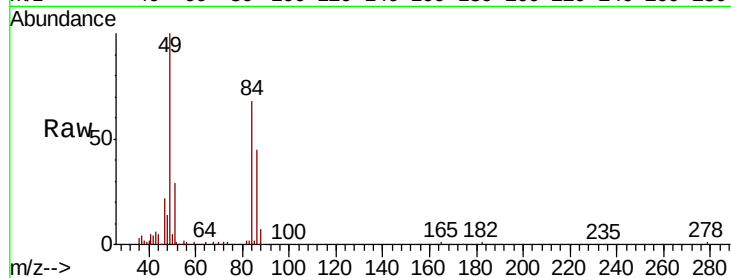
58 0.0 1.8 2.8#





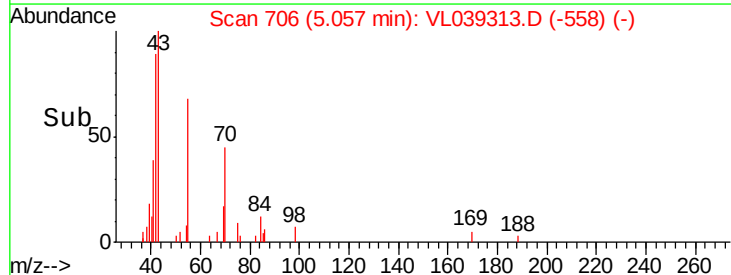
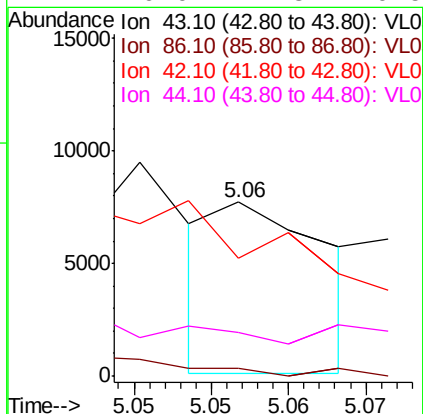
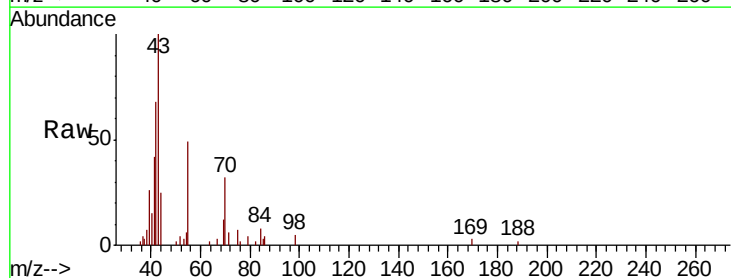
#20
Methvlene Chloride
Concen: 1.000 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Jun 2022 2:44

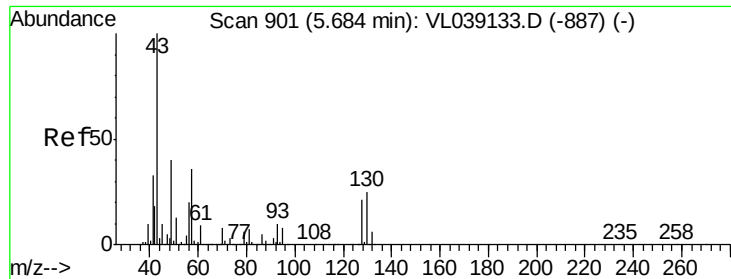
Tot Ion:	84	Resp:	52179
Ion	Ratio	Lower	Upper
84	100		
49	145.4	111.1	166.7
51	41.6	35.3	52.9
86	66.1	51.9	77.9



#23
Vinyl Acetate
Concen: 0.037 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.02 min
Lab File: VL039133.D
Acq: 16 Jun 2022 2:44

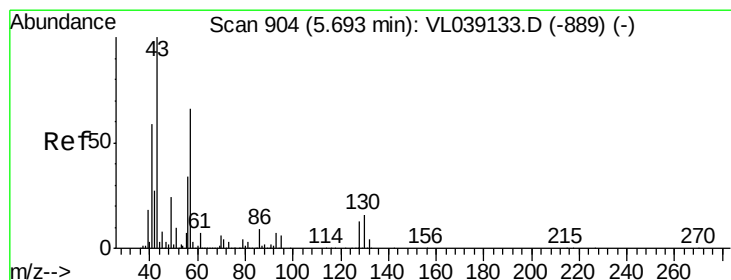
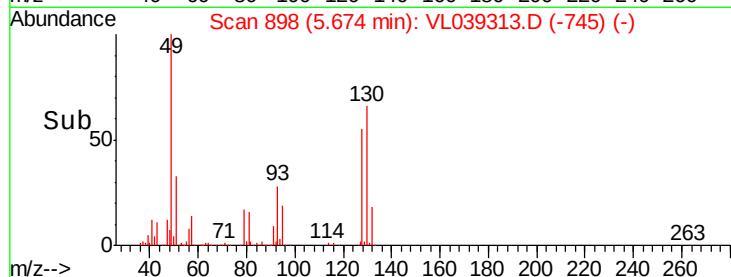
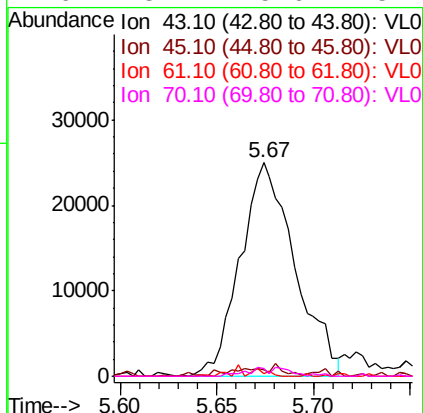
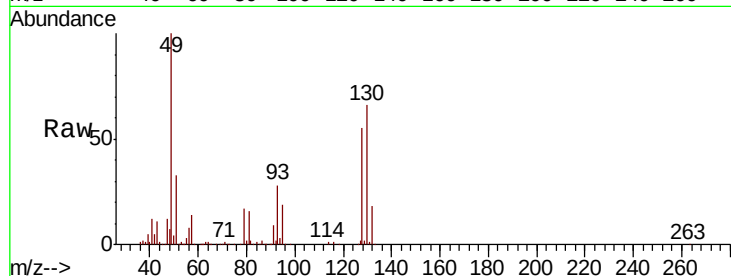
Tgt Ion:	43	Resp:	3797
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	32.7	8.2	12.4#
44	0.0	4.3	6.5#





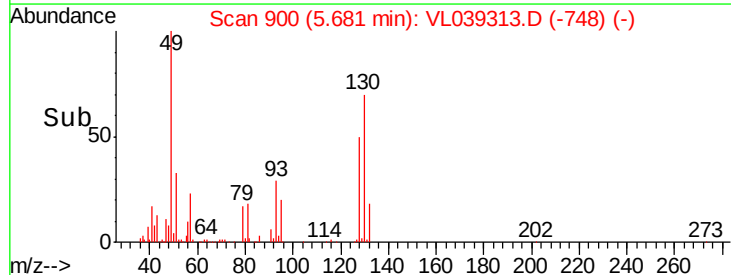
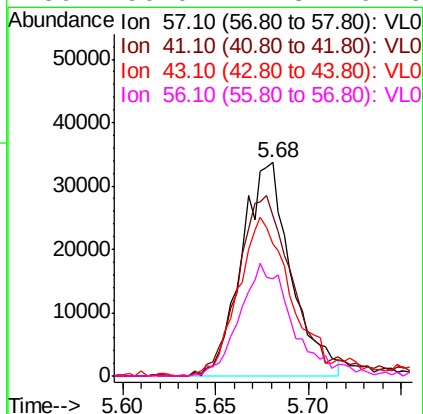
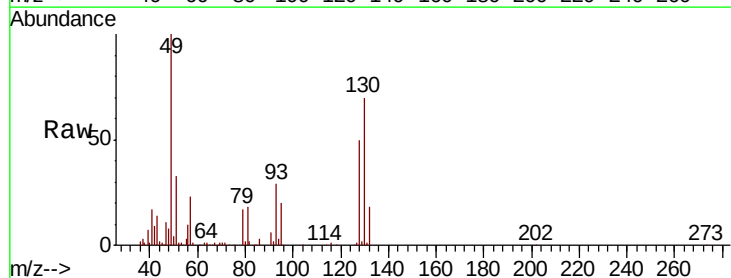
#25
Ethyl Acetate
Concen: 0.176 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Jun 2022 2:44

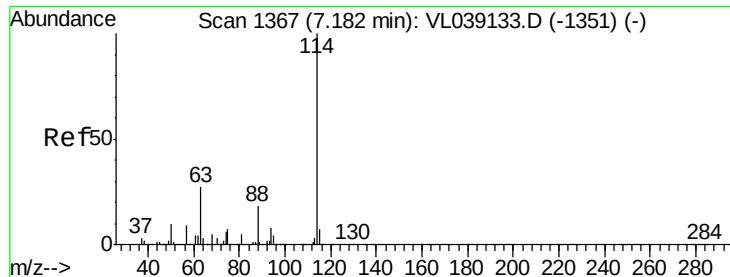
Tot Ion:	43	Resp:	49226
Ion	Ratio	Lower	Upper
43	100		
45	3.9	8.2	12.2#
61	1.9	8.4	12.6#
70	3.1	5.6	8.4#



#26
Hexane
Concen: 0.511 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL039313.D
Acq: 16 Jun 2022 2:44

Tgt Ion:	57	Resp:	62668
Ion	Ratio	Lower	Upper
57	100		
41	99.5	72.4	108.6
43	83.7	187.0	280.6#
56	56.0	41.8	62.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Jun 2022 2:44

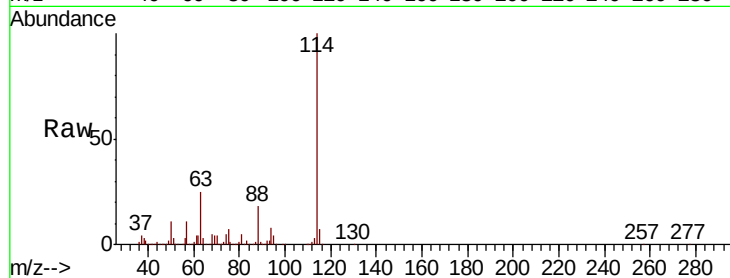
Tot Ion:114 Resp: 3340285

Ion Ratio Lower Upper

114 100

63 25.3 21.7 32.5

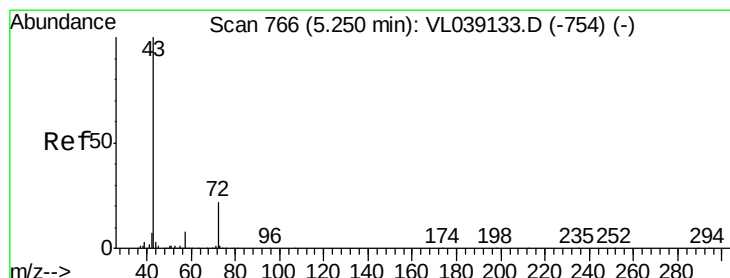
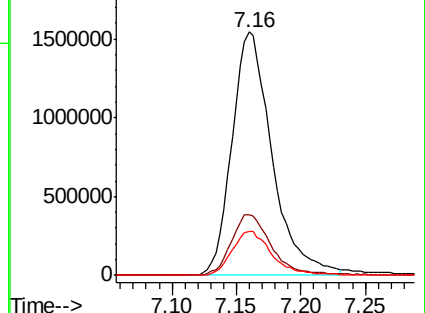
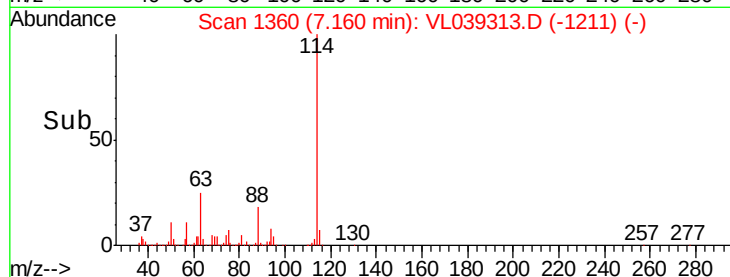
88 18.3 14.8 22.2



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: 0.047 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.01 min

Lab File: VL039133.D

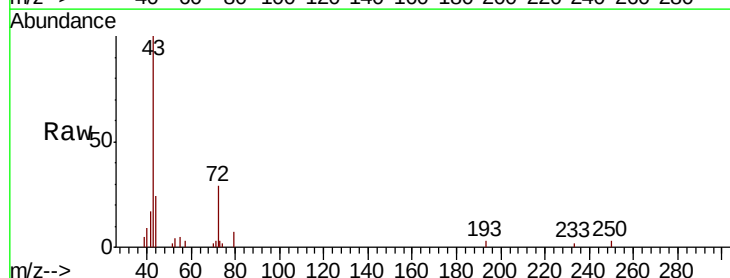
Acq: 16 Jun 2022 2:44

Tgt Ion: 43 Resp: 8532

Ion Ratio Lower Upper

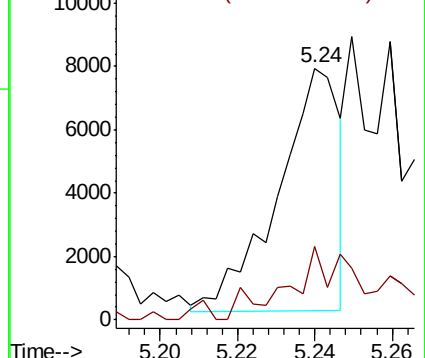
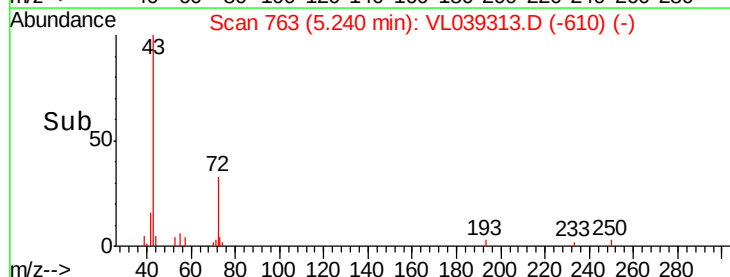
43 100

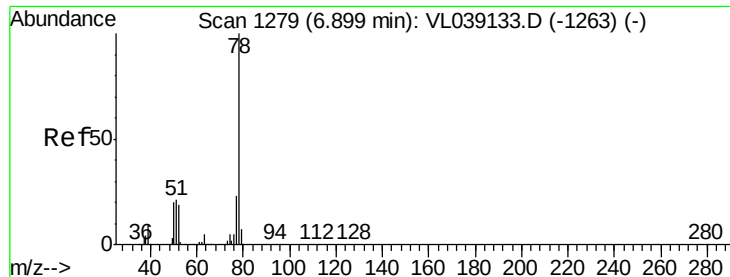
72 55.3 18.2 27.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

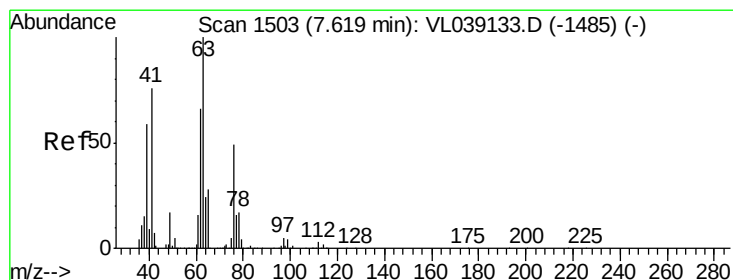
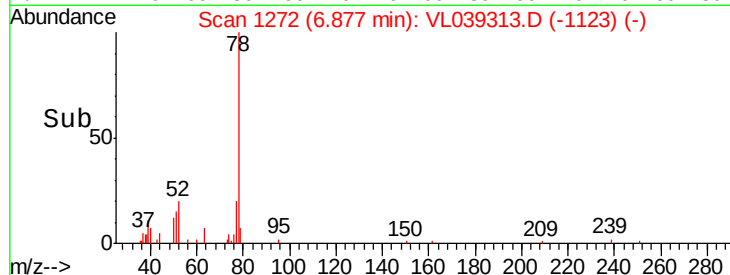
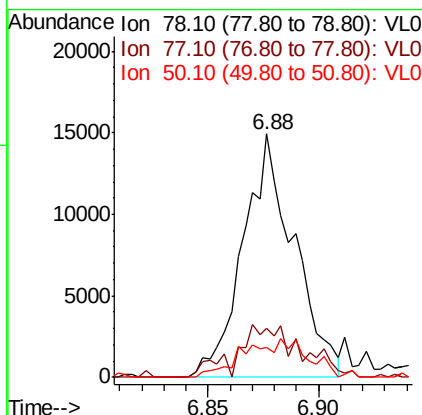
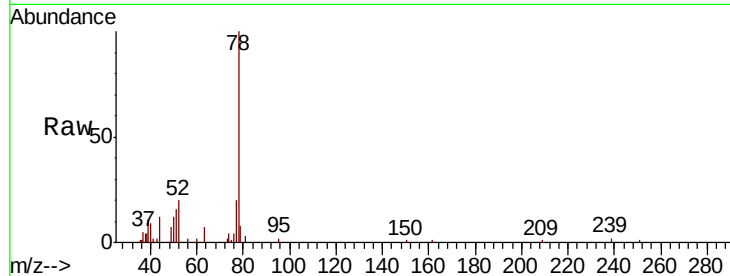
Ion 72.10 (71.80 to 72.80): VL0





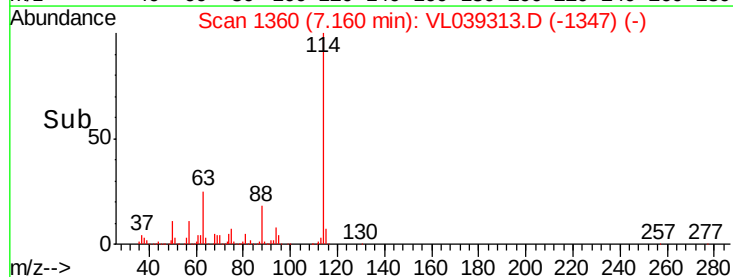
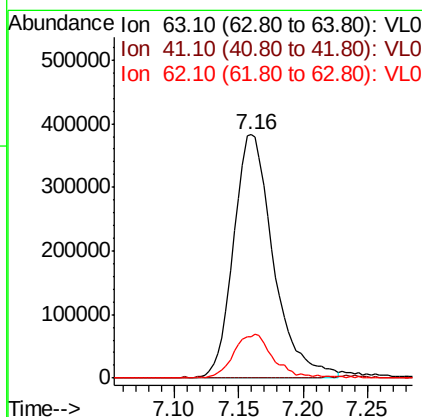
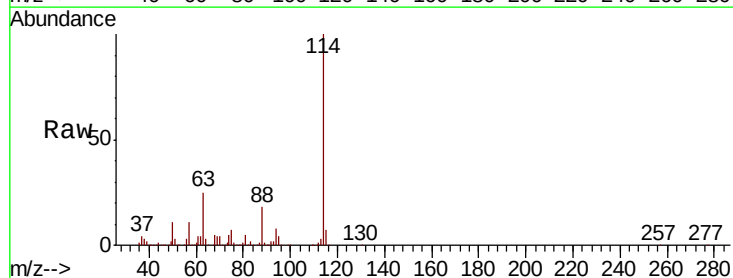
#36
Benzene
Concen: 0.088 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Jun 2022 2:44

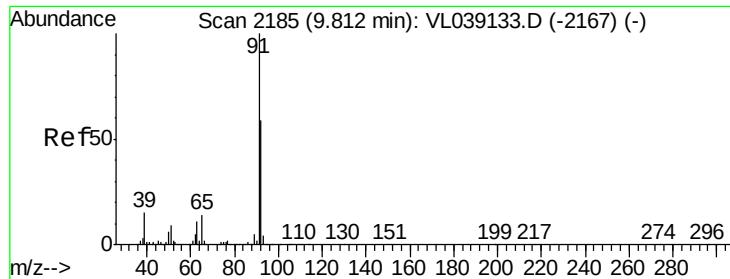
Tot Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.6	27.8
50	11.3	15.8	23.8#



#39
1,2-Dichloropropane
Concen: 7.652 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.46 min
Lab File: VL039133.D
Acq: 16 Jun 2022 2:44

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	16.8	52.9	79.3#





#53

Toluene

Concen: 0.097 ppbv

RT: 9.78 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

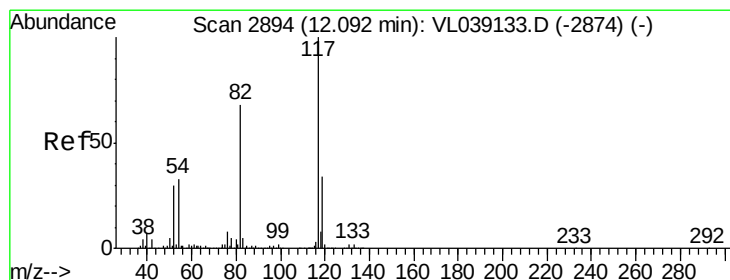
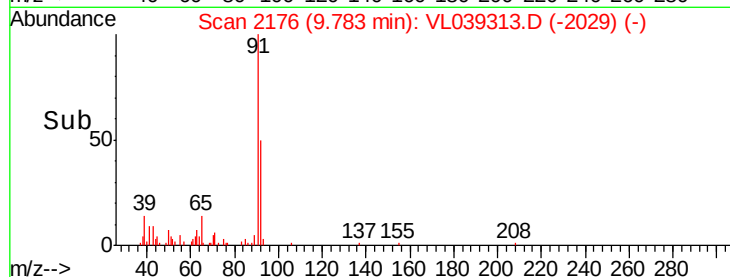
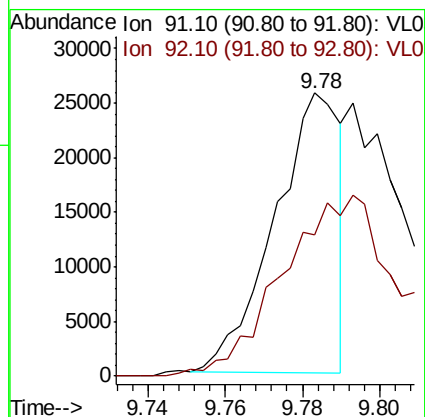
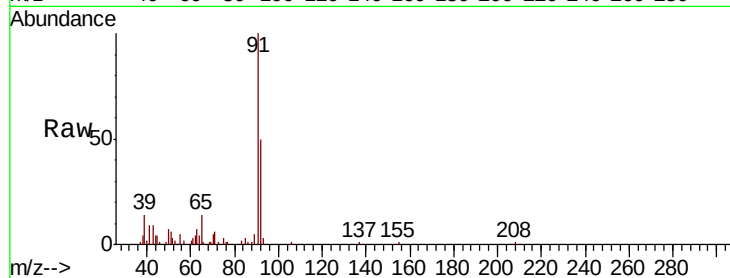
Acq: 16 Jun 2022 2:44

Tot Ion: 91 Resp: 30430

Ion Ratio Lower Upper

91 100

92 0.0 48.1 72.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL039133.D

Acq: 16 Jun 2022 2:44

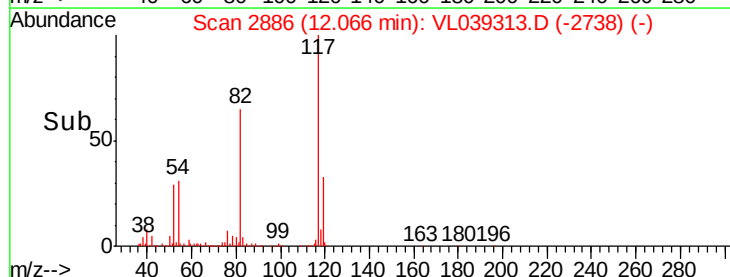
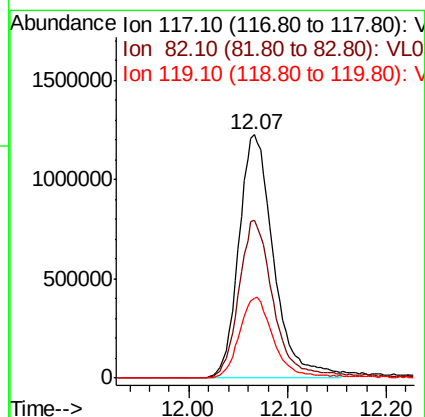
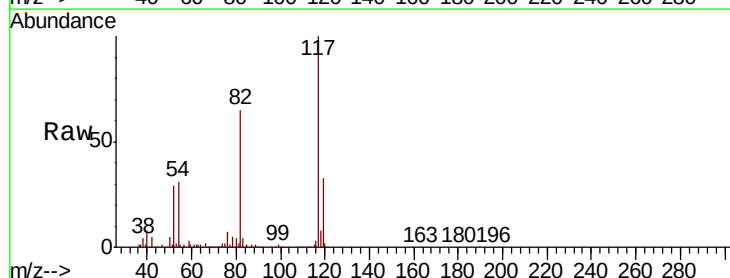
Tgt Ion: 117 Resp: 3006304

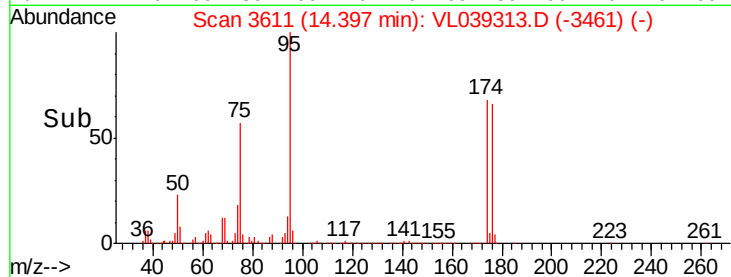
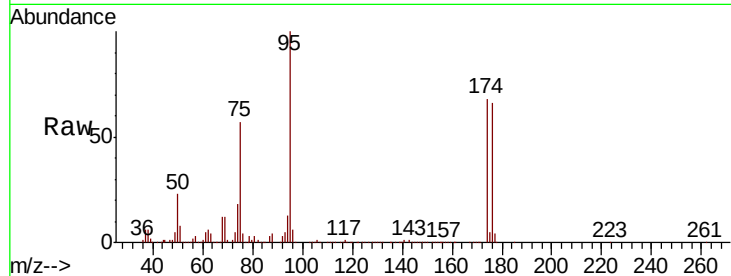
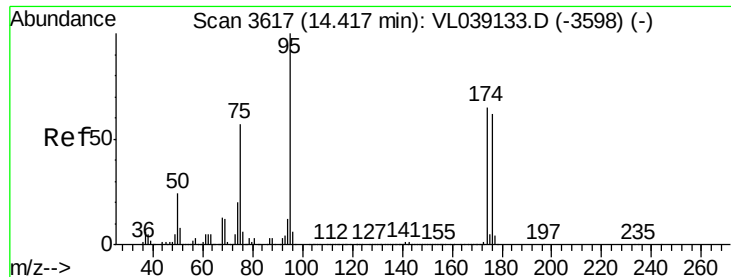
Ion Ratio Lower Upper

117 100

82 66.7 55.1 82.7

119 34.0 24.7 37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.346 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Jun 2022 2.44

Tot Ion: 95 Resp: 2322753

Ion Ratio Lower Upper

95 100

174 70.5 53.8 80.8

175 5.1 4.1 6.1

