

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039372.D
 Acq On : 27 Jun 2022 23:56
 Operator : SY/AP
 Sample : N3453-09DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Quant Time: Jun 28 02:39:48 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

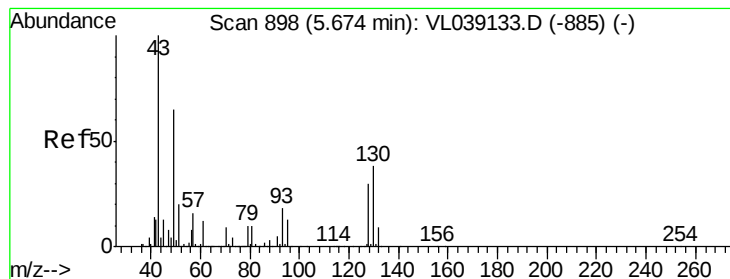
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1011949	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2950931	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2583316	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1817662	8.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	10830	0.084	ppbv	100
4) Chloromethane	3.14	50	4999	0.076	ppbv #	52
9) Propene	3.00	41	3094	0.055	ppbv #	41
13) Ethanol	3.61	45	13589	4.438	ppbv #	100
15) Acetone	3.87	43	52435	0.497	ppbv	90
20) Methylene Chloride	4.34	84	4707	0.106	ppbv #	83
23) Vinyl Acetate	5.07	43	4431	0.051	ppbv #	55
26) Hexane	5.68	57	3844	0.037	ppbv #	41
39) 1,2-Dichloropropane	7.17	63	717981	7.535	ppbv #	24

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 23:56

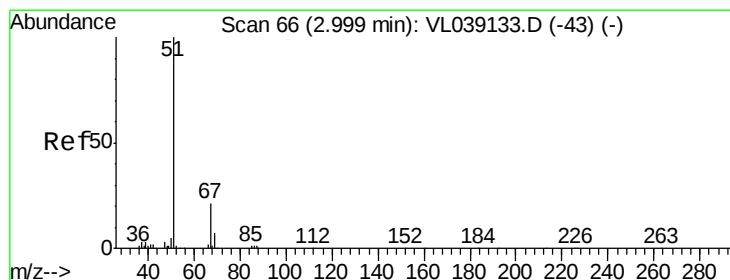
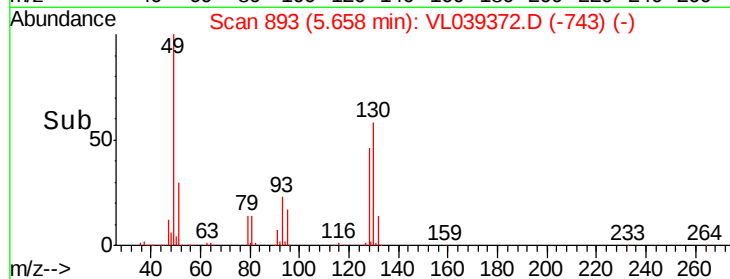
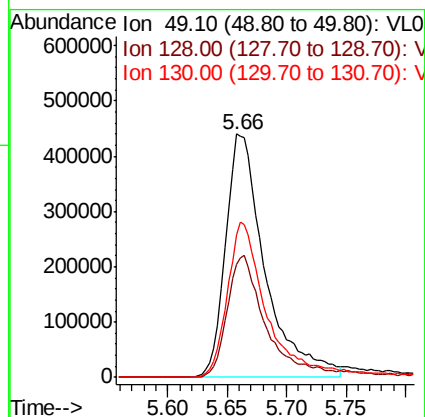
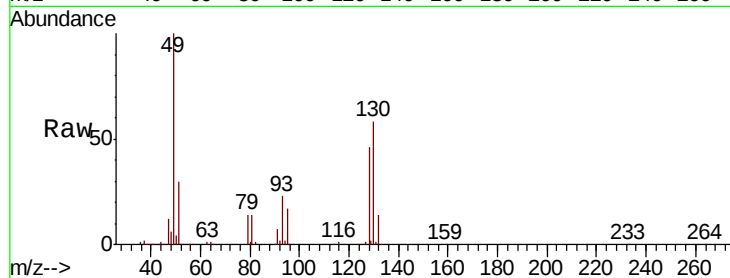
Tot Ion: 49 Resp: 1011949

Ion Ratio Lower Upper

49 100

128 52.5 24.7 74.1

130 66.3 31.4 94.0



#3

Chlorodifluoromethane

Concen: 0.084 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.02 min

Lab File: VL039372.D

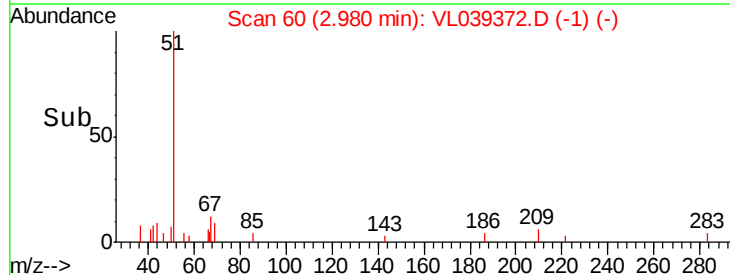
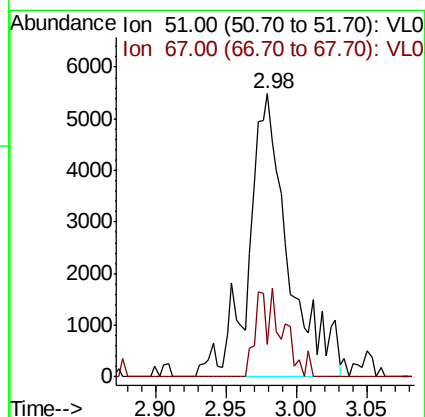
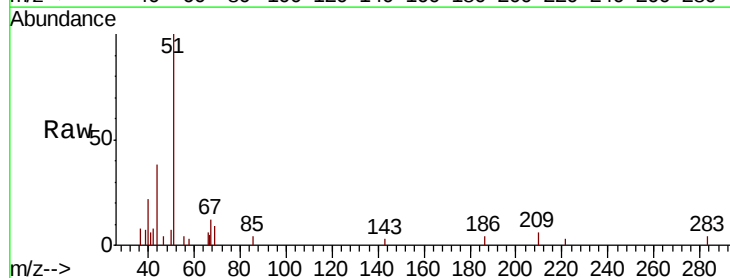
Acq: 27 Jun 2022 23:56

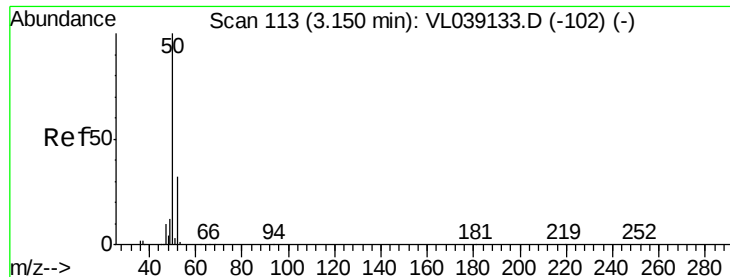
Tgt Ion: 51 Resp: 10830

Ion Ratio Lower Upper

51 100

67 20.4 16.2 24.4





#4

Chloromethane

Concen: 0.076 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

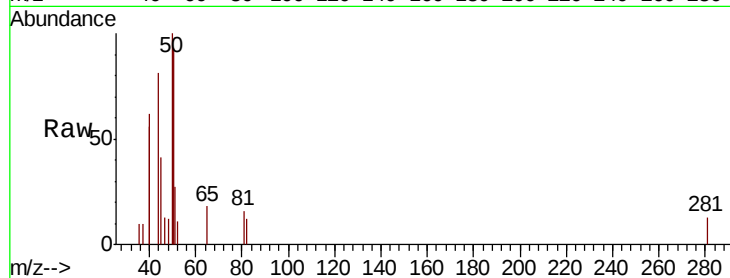
Acq: 27 Jun 2022 23:56

Tot Ion: 50 Resp: 4999

Ion Ratio Lower Upper

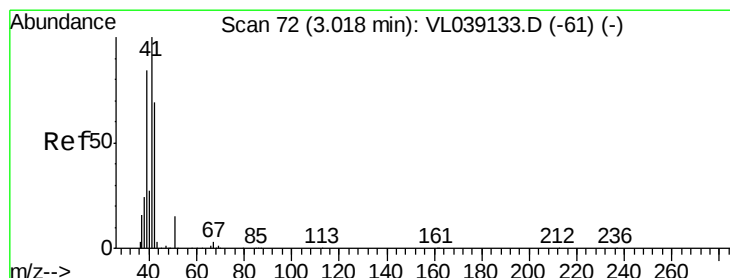
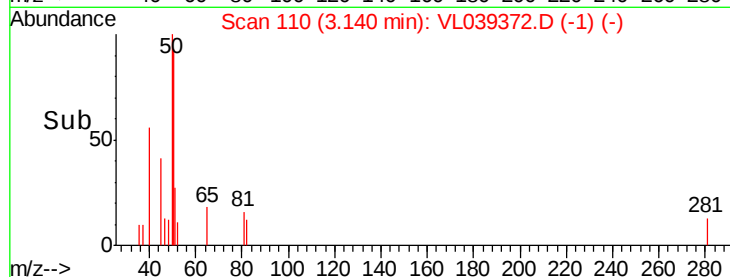
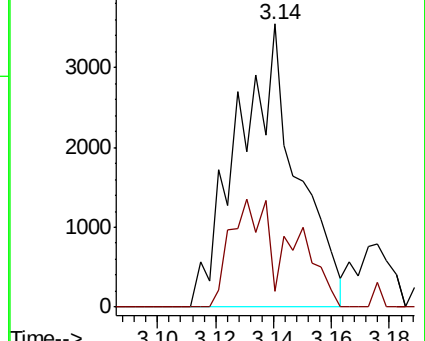
50 100

52 5.7 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: 0.055 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL039372.D

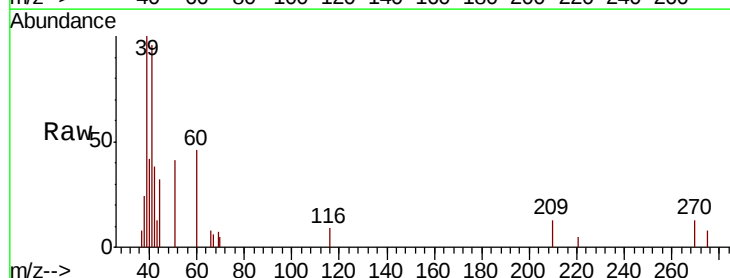
Acq: 27 Jun 2022 23:56

Tgt Ion: 41 Resp: 3094

Ion Ratio Lower Upper

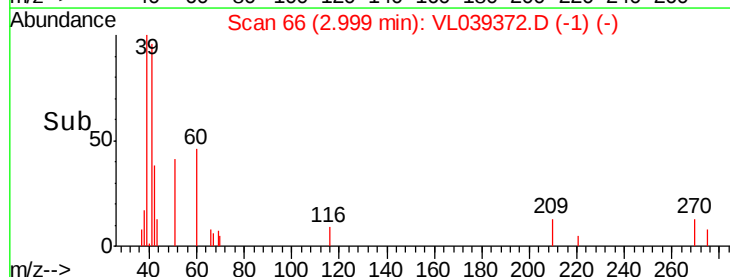
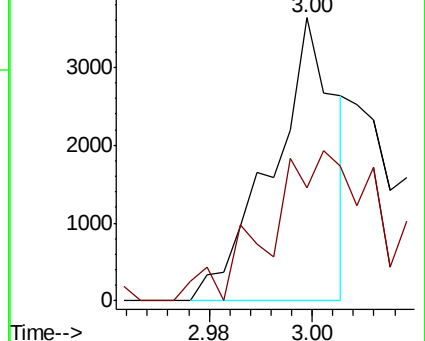
41 100

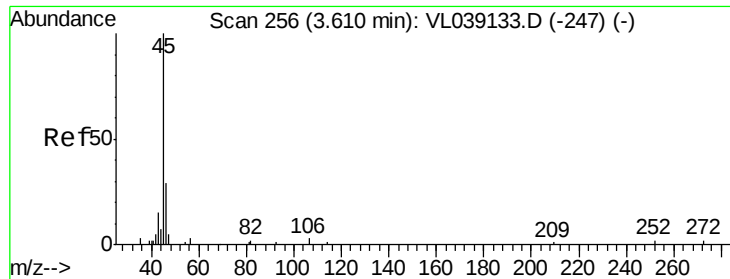
42 117.5 55.4 83.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 4.438 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

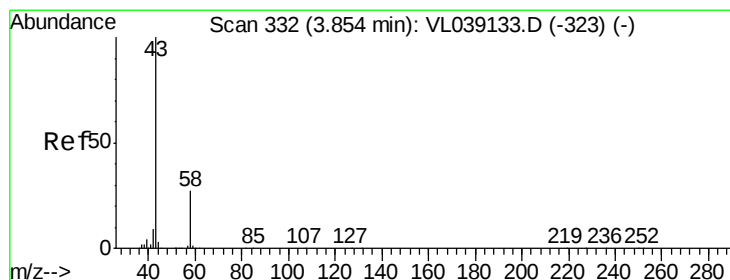
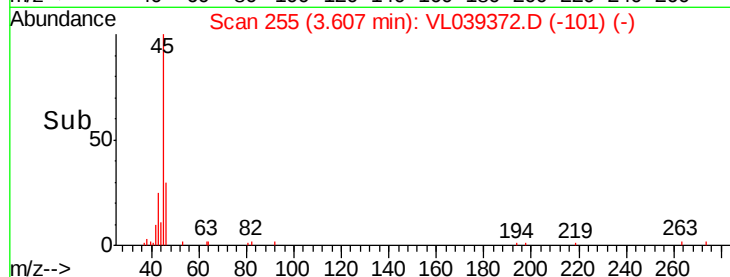
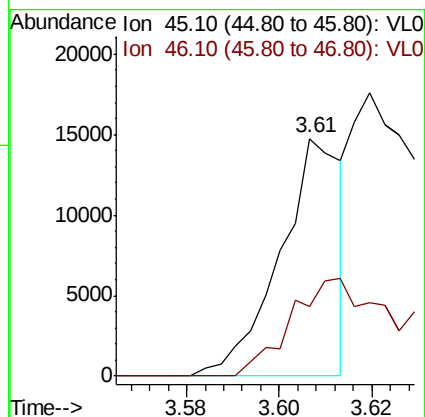
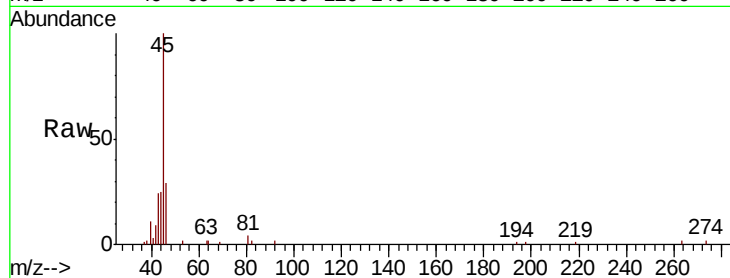
Acq: 27 Jun 2022 23:58

Tot Ion: 45 Resp: 13589

Ion Ratio Lower Upper

45 100

46 0.0 0.0 0.0



#15

Acetone

Concen: 0.497 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL039372.D

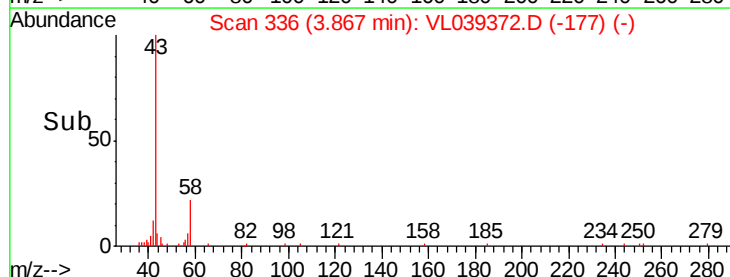
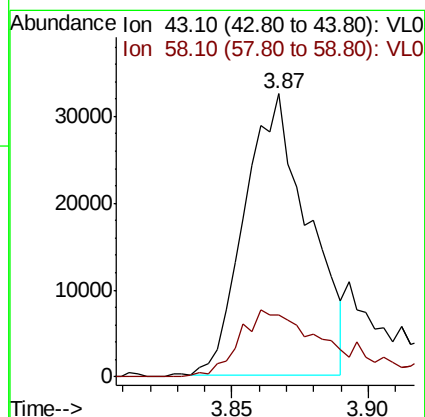
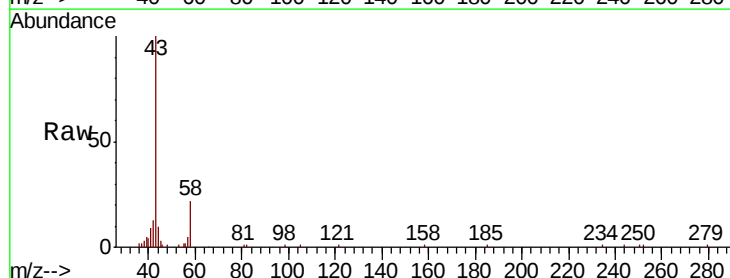
Acq: 27 Jun 2022 23:56

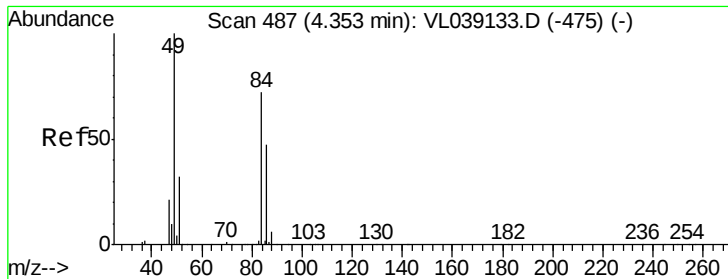
Tgt Ion: 43 Resp: 52435

Ion Ratio Lower Upper

43 100

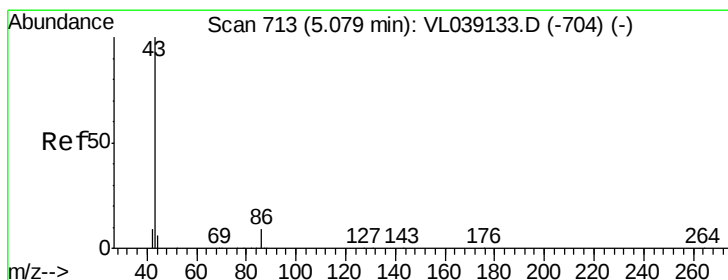
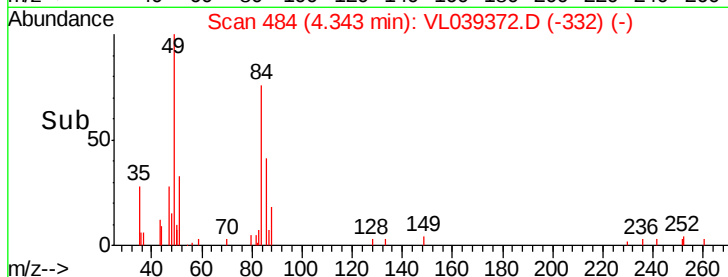
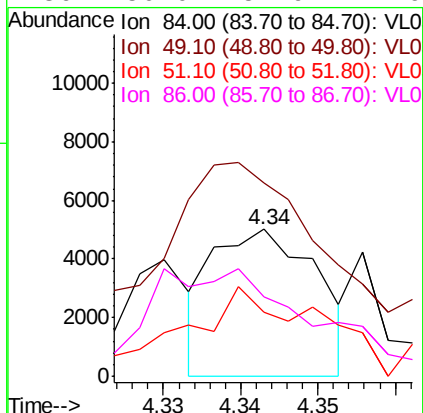
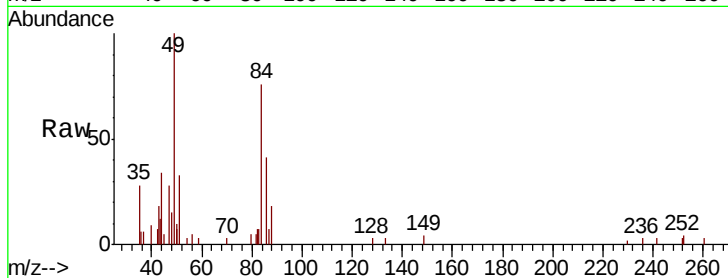
58 33.5 22.5 33.7





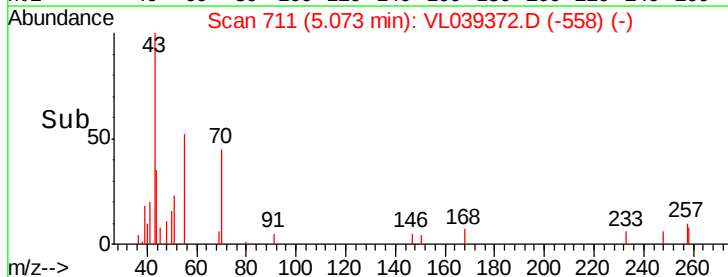
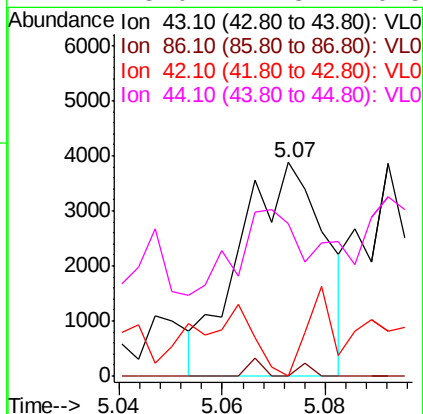
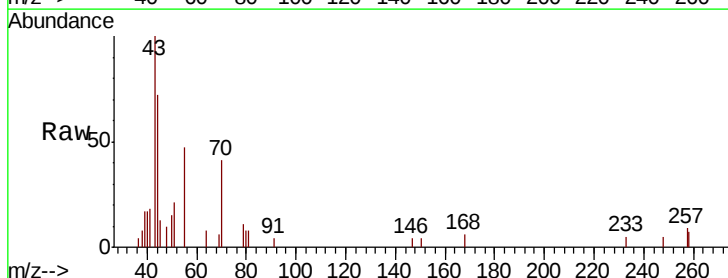
#20
Methvlene Chloride
Concen: 0.106 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jun 2022 23:56

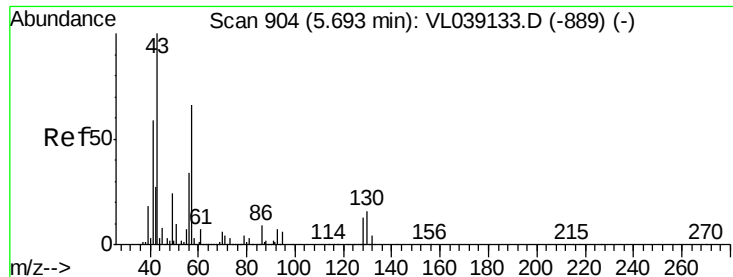
Tot Ion:	84	Resp:	4707
Ion	Ratio	Lower	Upper
84	100		
49	129.3	111.1	166.7
51	17.0	35.3	52.9#
86	50.0	51.9	77.9#



#23
Vinyl Acetate
Concen: 0.051 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL039372.D
Acq: 27 Jun 2022 23:56

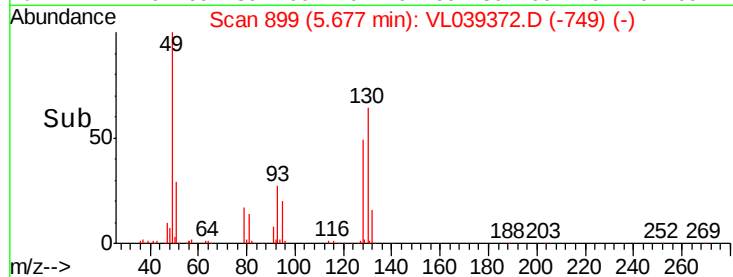
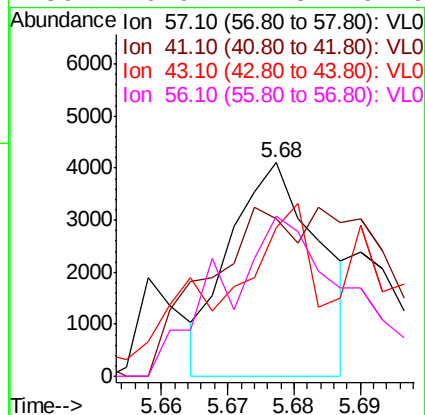
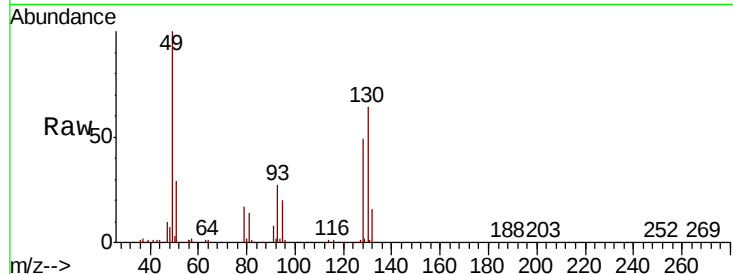
Tgt Ion:	43	Resp:	4431
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	0.0	8.2	12.4#
44	43.0	4.3	6.5#





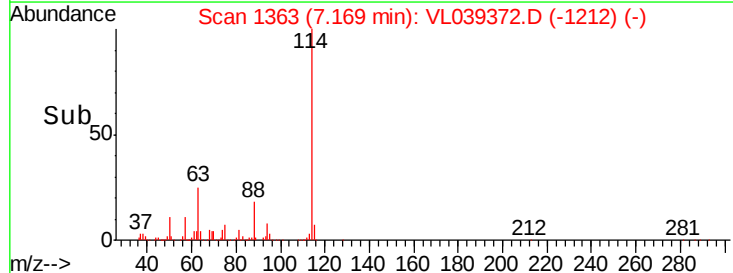
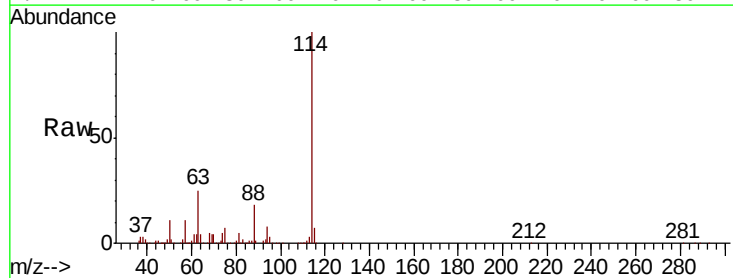
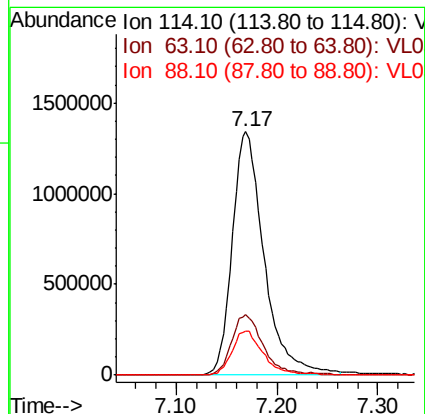
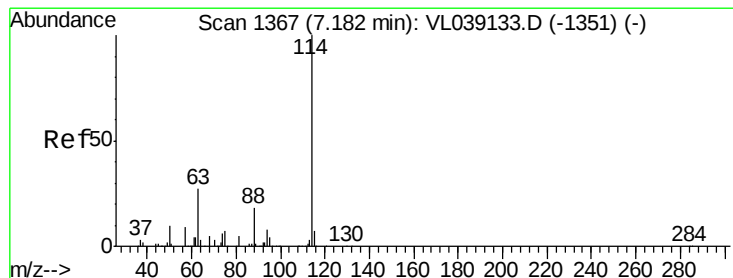
#26
Hexane
Concen: 0.037 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jun 2022 23:58

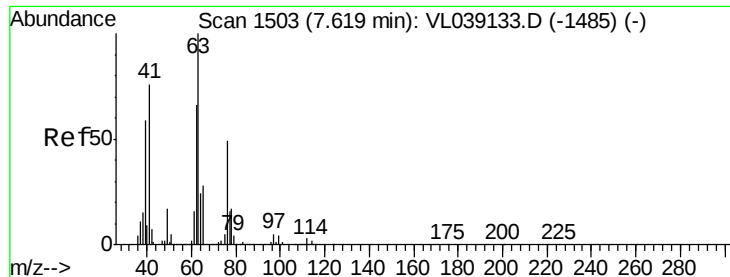
Tot Ion:	57	Resp:	3844
Ion	Ratio	Lower	Upper
57	100		
41	185.4	72.4	108.6#
43	176.7	187.0	280.6#
56	120.9	41.8	62.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL039372.D
Acq: 27 Jun 2022 23:56

Tgt Ion:	114	Resp:	2950931
Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.7	32.5
88	18.3	14.8	22.2





#39

1,2-Dichloropropane

Concen: 7.535 ppbv

RT: 7.17 Instrument:

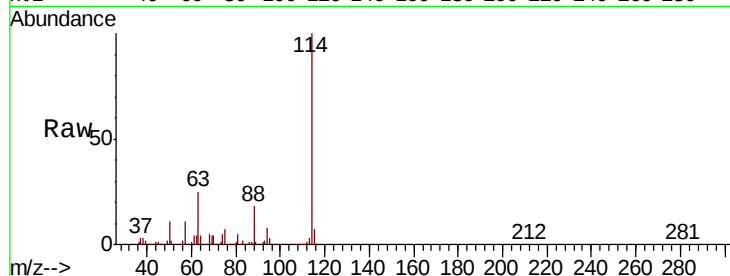
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

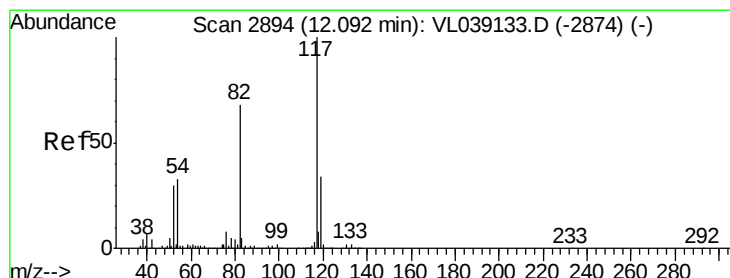
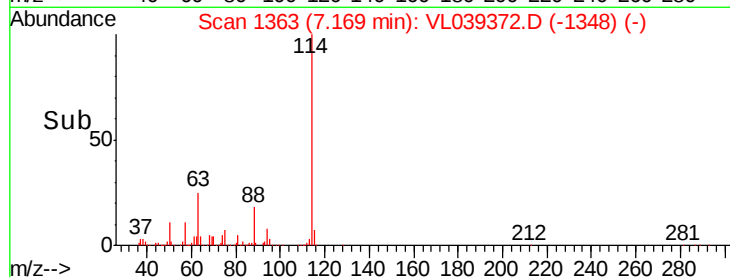
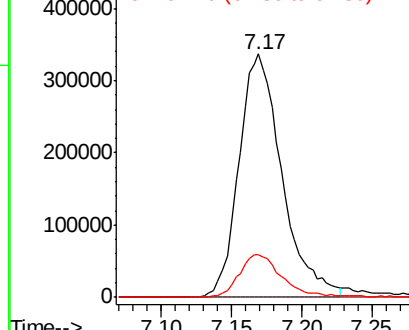
Acq: 27 Jun 2022 23:56

Tot Ion: 63 Resp: 717981

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	17.3	52.9	79.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

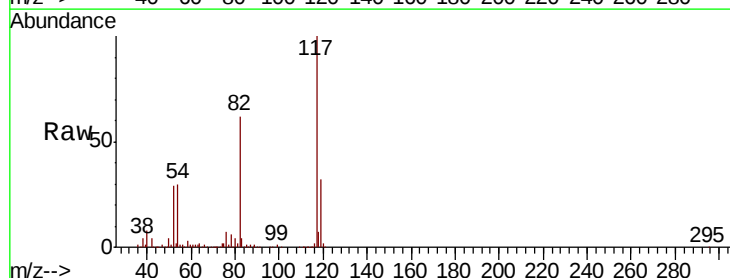
Delta R.T. -0.02 min

Lab File: VL039372.D

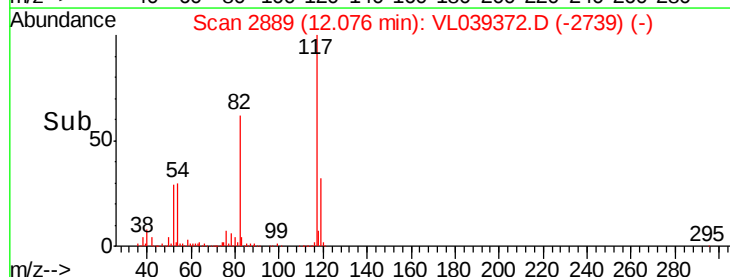
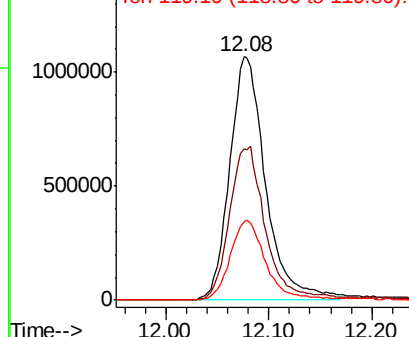
Acq: 27 Jun 2022 23:56

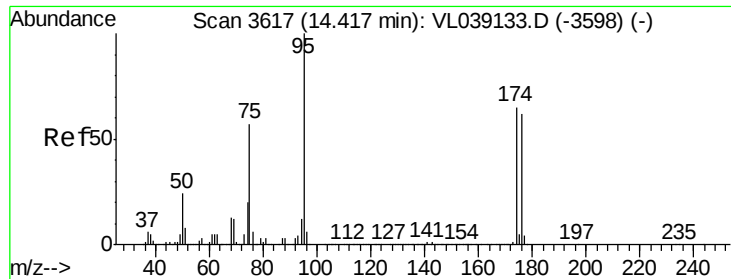
Tgt Ion: 117 Resp: 2583316

Ion	Ratio	Lower	Upper
117	100		
82	64.9	55.1	82.7
119	33.0	24.7	37.1



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 8.511 ppbv

RT: 14.41

Delta R.T MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jun 2022 23:30

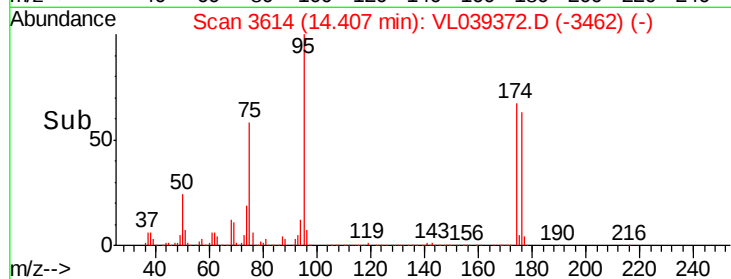
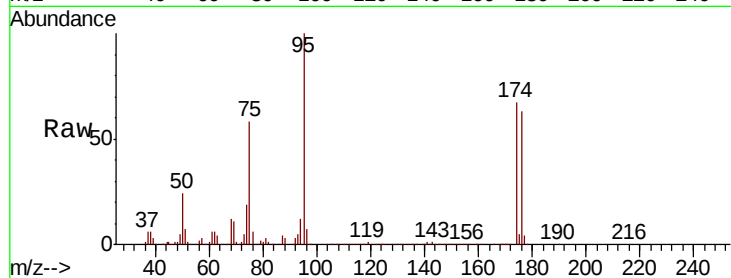
Tot Ion: 95 Resp: 1817662

Ion Ratio Lower Upper

95 100

174 75.2 53.8 80.8

175 5.6 4.1 6.1



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

