

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062422\
 Data File : VL039351.D
 Acq On : 24 Jun 2022 21:46
 Operator : SY/AP
 Sample : N3453-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

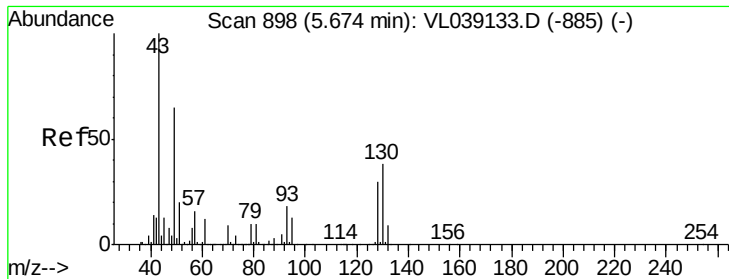
Quant Time: Jun 27 01:51:48 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1130608	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3202057	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2769519	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2081721	9.09	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

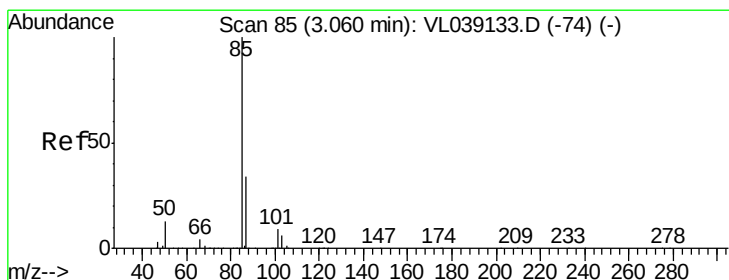
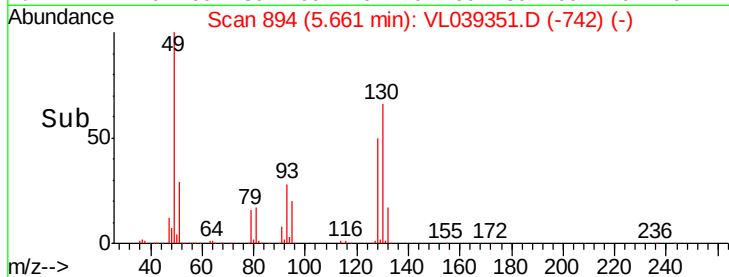
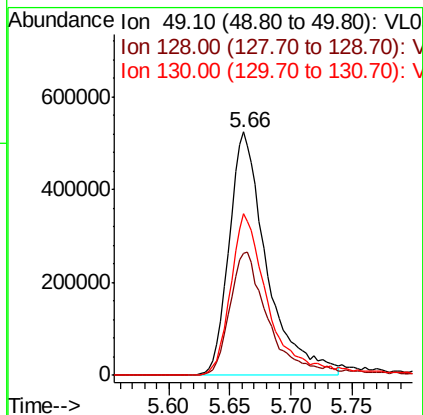
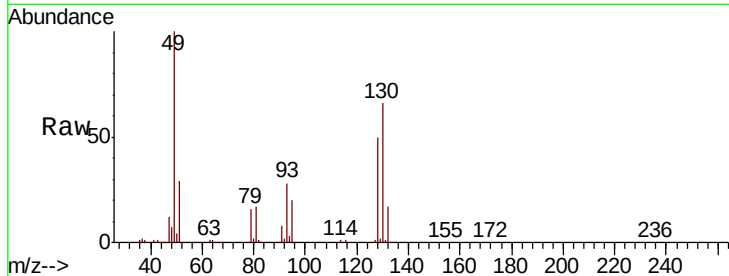
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9739	0.049	ppbv #	73
3) Chlorodifluoromethane	2.99	51	10624	0.074	ppbv #	91
9) Propene	3.35	41	3134	0.050	ppbv	91
11) Trichlorofluoromethane	3.95	101	6525	0.036	ppbv	97
13) Ethanol	3.60	45	58019	16.960	ppbv #	100
15) Acetone	3.85	43	109336	0.928	ppbv	93
19) Isopropyl Alcohol	3.97	45	24814	0.449	ppbv #	78
20) Methylene Chloride	4.34	84	31486	0.634	ppbv #	93
23) Vinyl Acetate	5.07	43	8458	0.087	ppbv #	69
26) Hexane	5.69	57	6181	0.053	ppbv #	1
34) 2-Butanone	5.25	43	5480	0.032	ppbv #	53
39) 1,2-Dichloropropane	7.17	63	769152	7.438	ppbv #	25

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



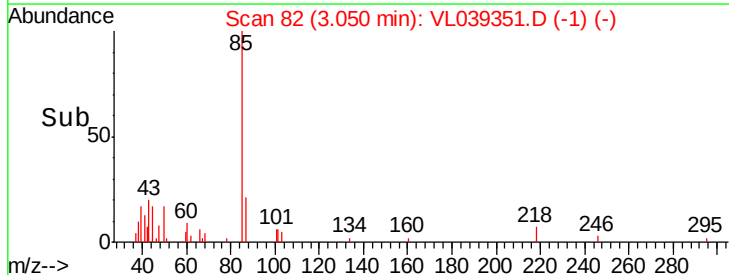
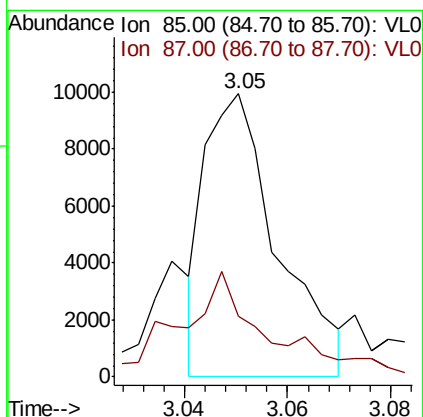
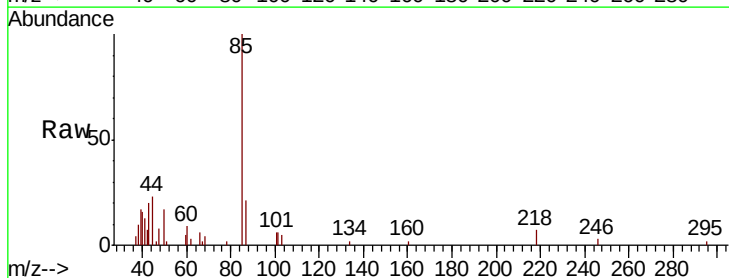
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Jun 2022 21:46

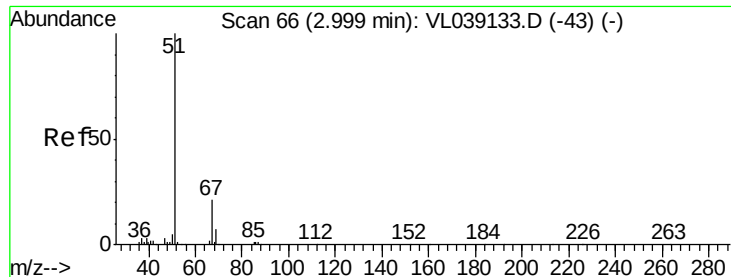
Tot Ion: 49 Resp: 1130608
 Ion Ratio Lower Upper
 49 100
 128 54.3 24.7 74.1
 130 68.8 31.4 94.0



#2
 Dichlorodifluoromethane
 Concen: 0.049 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. -0.01 min
 Lab File: VL039351.D
 Acq: 24 Jun 2022 21:46

Tgt Ion: 85 Resp: 9739
 Ion Ratio Lower Upper
 85 100
 87 18.3 26.9 40.3#





#3

Chlorodifluoromethane

Concen: 0.074 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-4DL

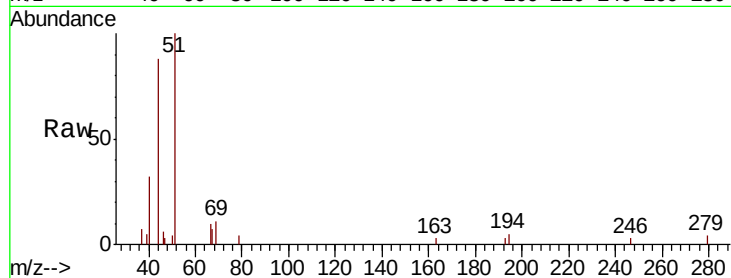
Acq: 24 Jun 2022 21:46

Tot Ion: 51 Resp: 10624

Ion Ratio Lower Upper

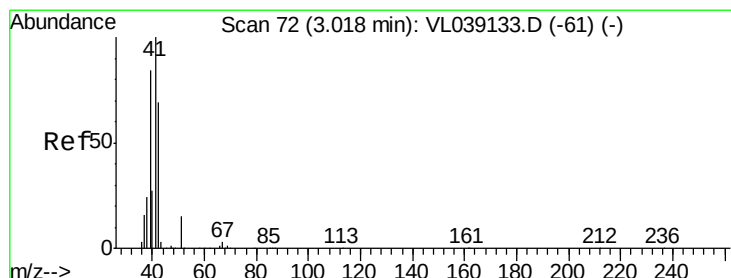
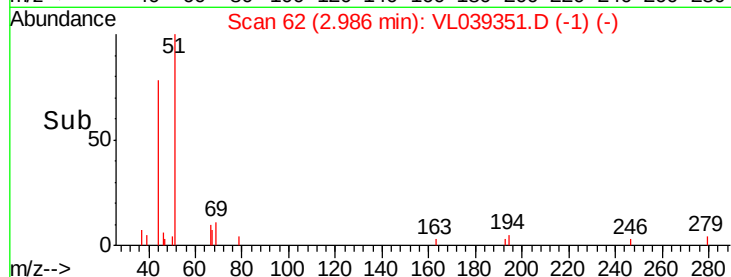
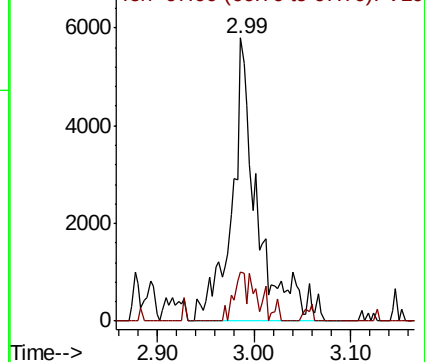
51 100

67 15.9 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.050 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.33 min

Lab File: VL039351.D

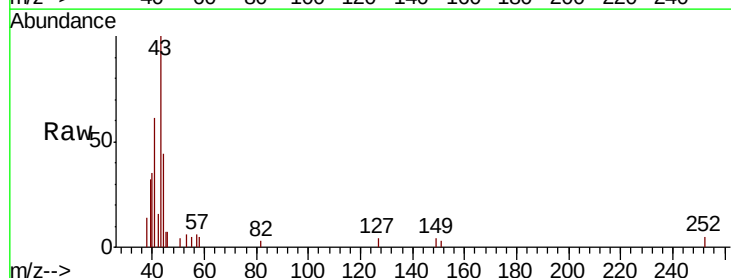
Acq: 24 Jun 2022 21:46

Tgt Ion: 41 Resp: 3134

Ion Ratio Lower Upper

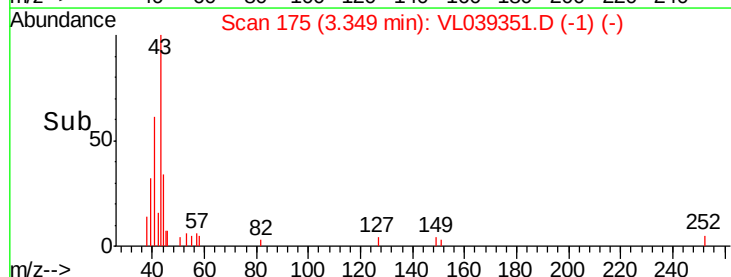
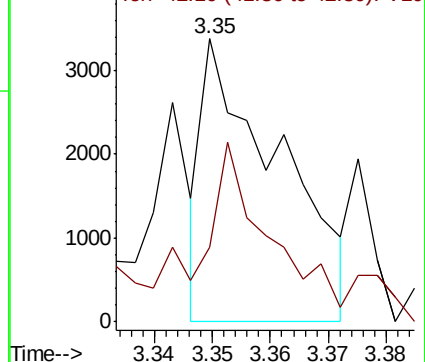
41 100

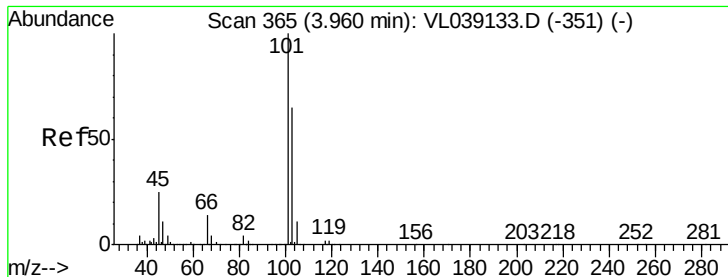
42 76.5 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.036 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

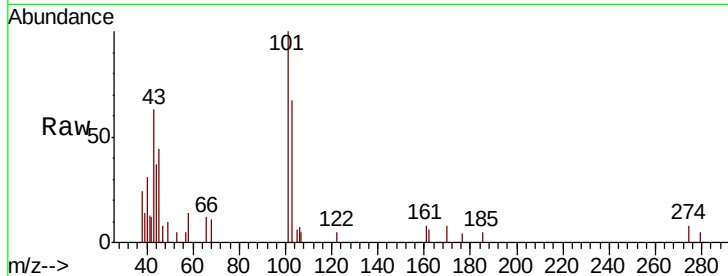
Acq: 24 Jun 2022 21:48

Tot Ion: 101 Resp: 6525

Ion Ratio Lower Upper

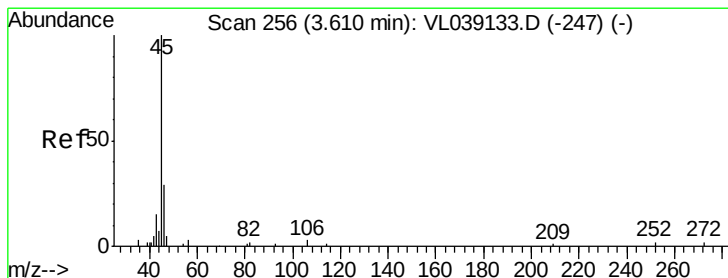
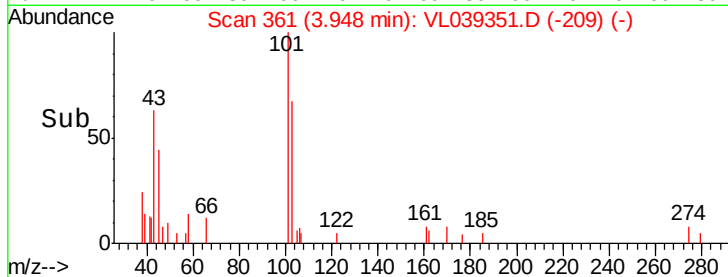
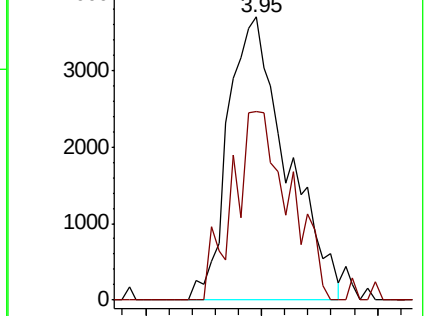
101 100

103 66.6 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 16.960 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL039351.D

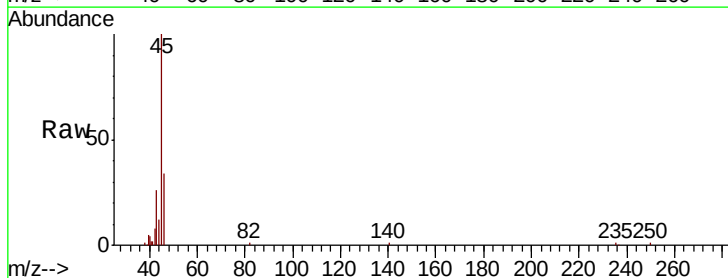
Acq: 24 Jun 2022 21:46

Tgt Ion: 45 Resp: 58019

Ion Ratio Lower Upper

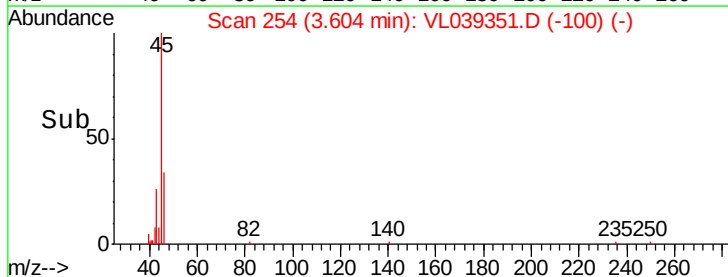
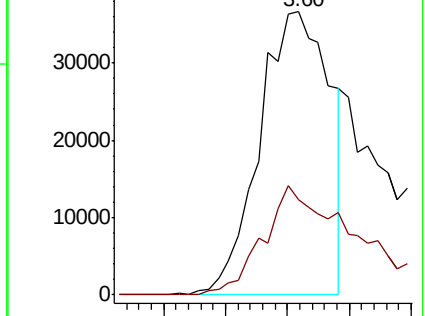
45 100

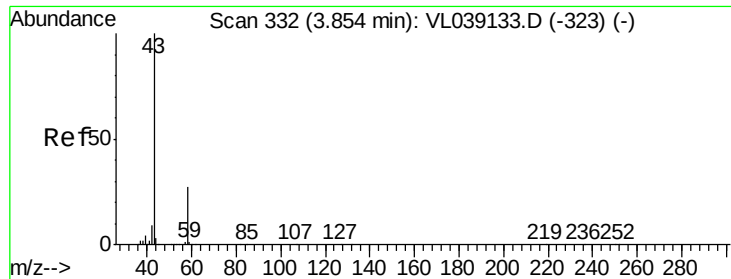
46 66.0 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.928 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

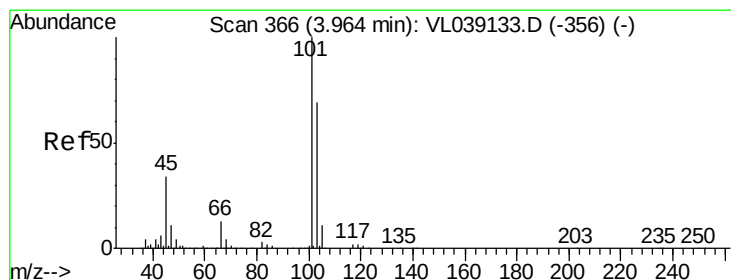
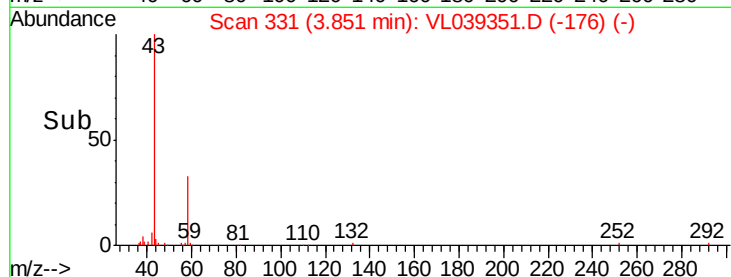
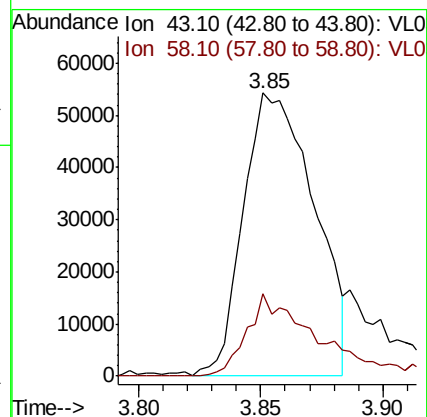
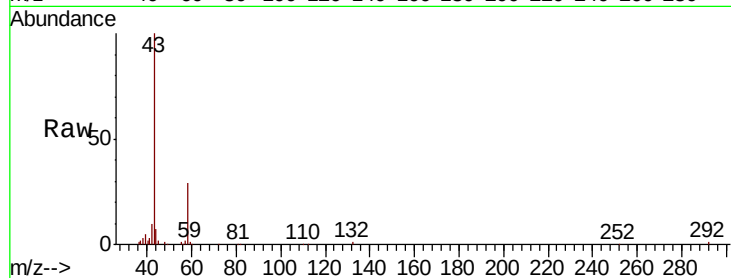
Acq: 24 Jun 2022 21:48

Tot Ion: 43 Resp: 109336

Ion Ratio Lower Upper

43 100

58 31.5 22.5 33.7



#19

Isopropyl Alcohol

Concen: 0.449 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL039351.D

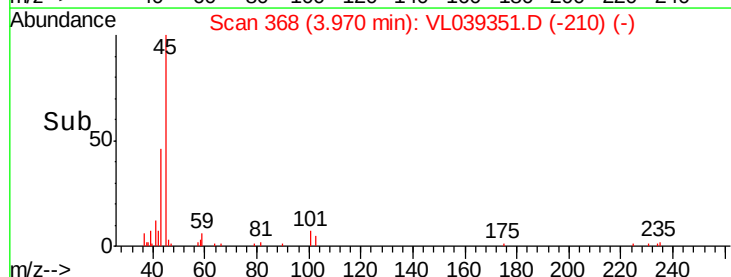
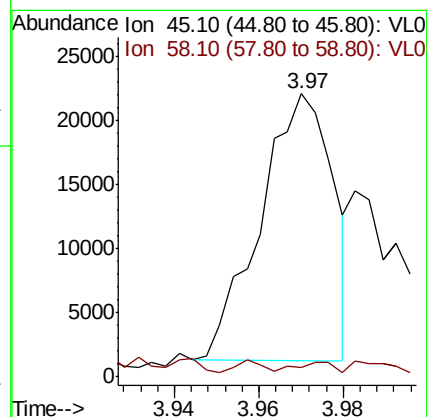
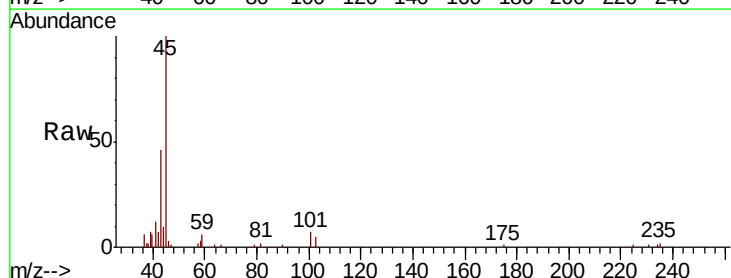
Acq: 24 Jun 2022 21:46

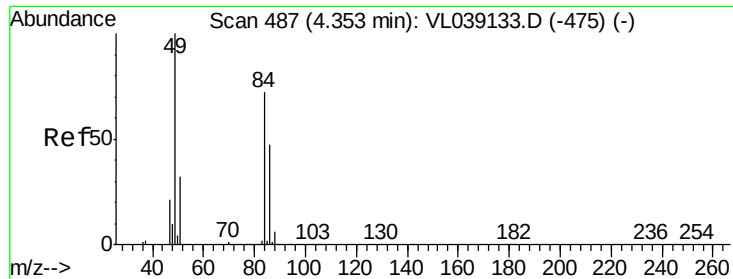
Tgt Ion: 45 Resp: 24814

Ion Ratio Lower Upper

45 100

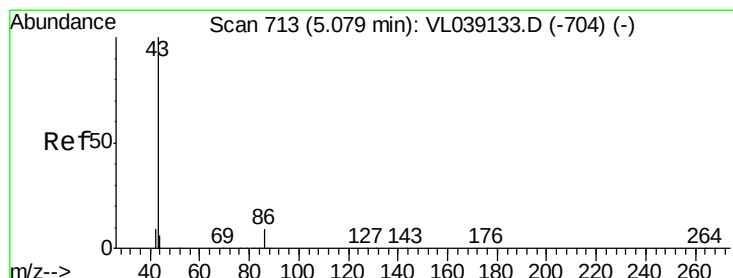
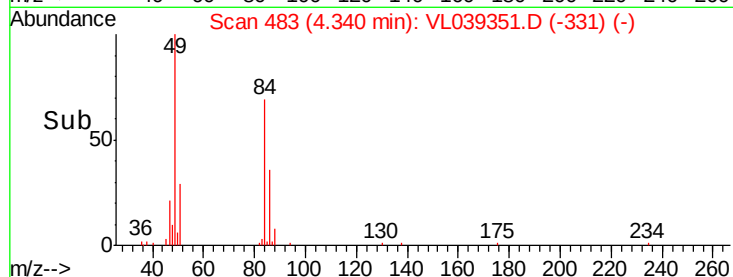
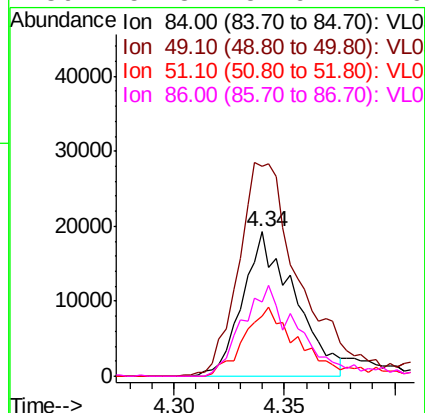
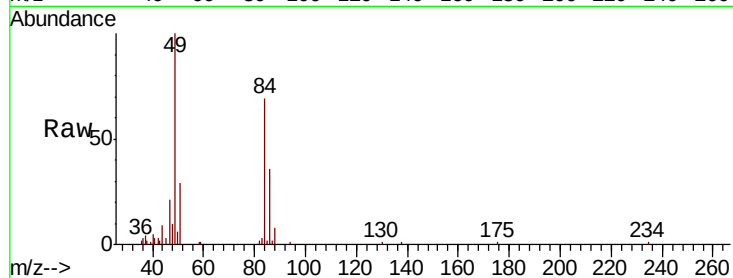
58 9.7 1.8 2.8#





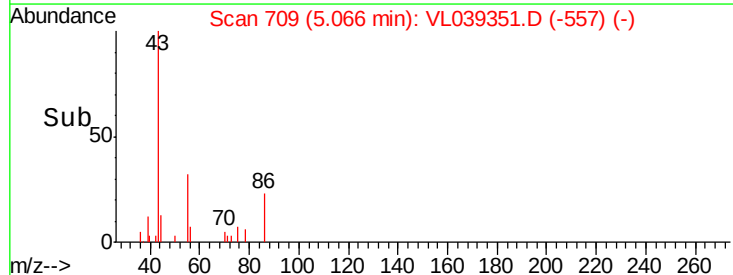
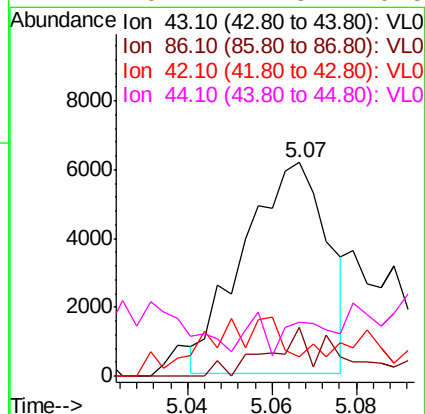
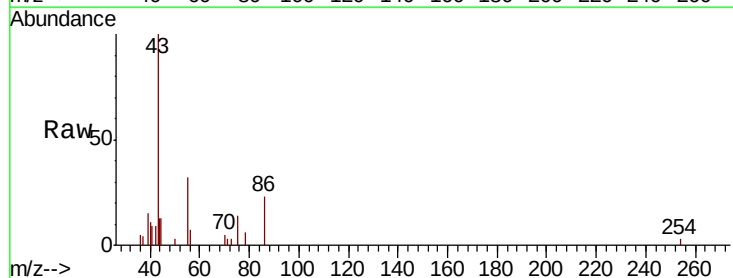
#20
Methvlene Chloride
Concen: 0.634 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 21:48

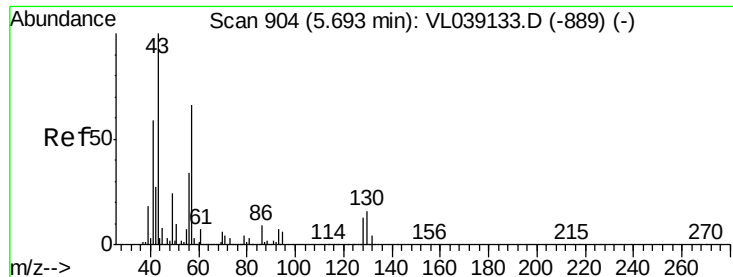
Tot Ion	84	Resp:	31486
Ion	Ratio	Lower	Upper
84	100		
49	144.4	111.1	166.7
51	42.0	35.3	52.9
86	51.8	51.9	77.9#



#23
Vinyl Acetate
Concen: 0.087 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL039351.D
Acq: 24 Jun 2022 21:46

Tgt Ion	43	Resp:	8458
Ion	Ratio	Lower	Upper
43	100		
86	26.4	6.0	9.0#
42	0.0	8.2	12.4#
44	6.7	4.3	6.5#





#26

Hexane

Concen: 0.053 ppbv

RT: 5.69 Instrument:

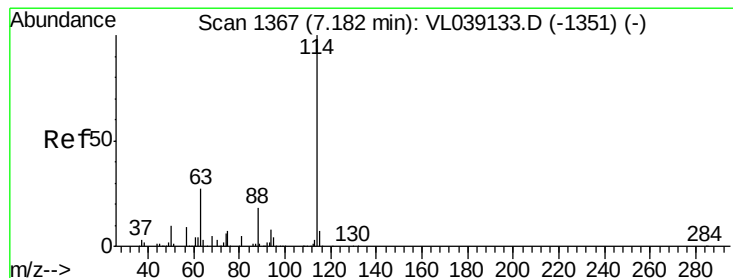
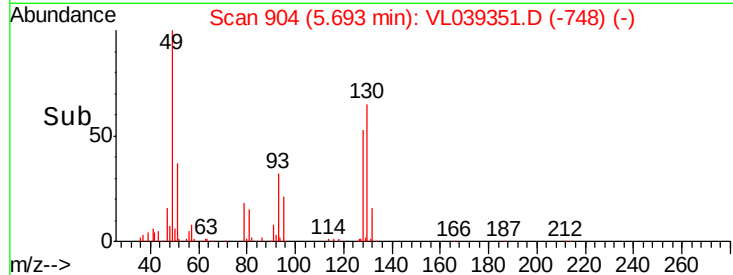
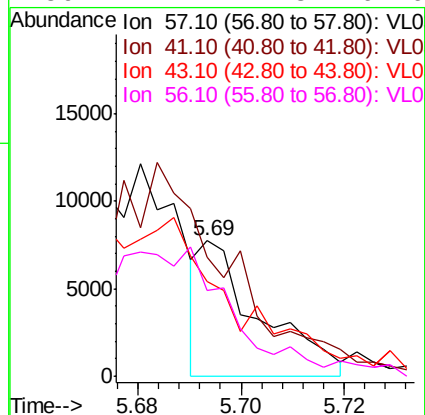
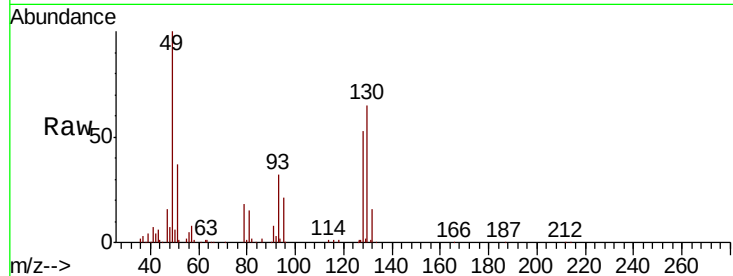
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 21:48

Tot Ion: 57 Resp: 6181

Ion	Ratio	Lower	Upper
57	100		
41	367.9	72.4	108.6#
43	311.1	187.0	280.6#
56	244.7	41.8	62.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

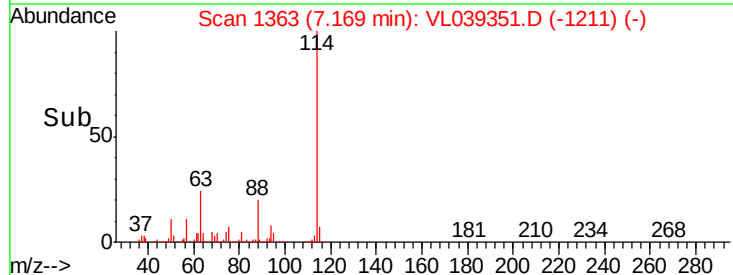
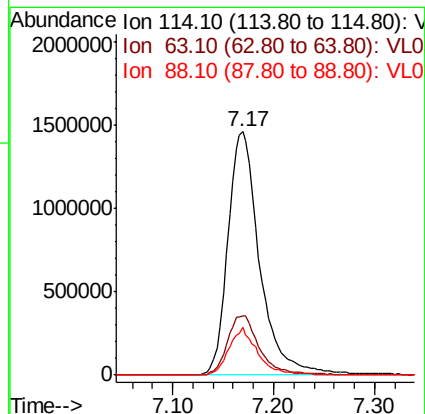
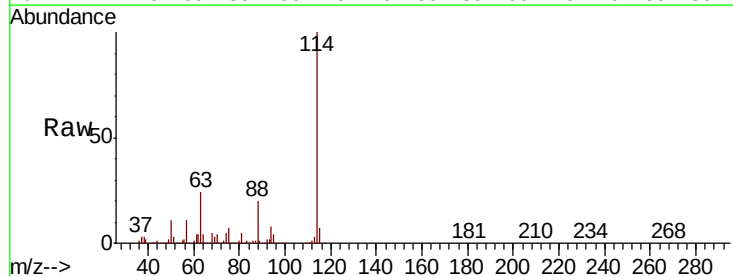
Delta R.T. -0.01 min

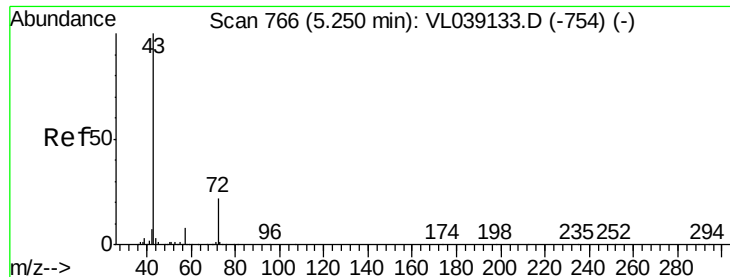
Lab File: VL039351.D

Acq: 24 Jun 2022 21:46

Tgt Ion: 114 Resp: 3202057

Ion	Ratio	Lower	Upper
114	100		
63	24.8	21.7	32.5
88	18.1	14.8	22.2





#34

2-Butanone

Concen: 0.032 ppbv

RT: 5.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

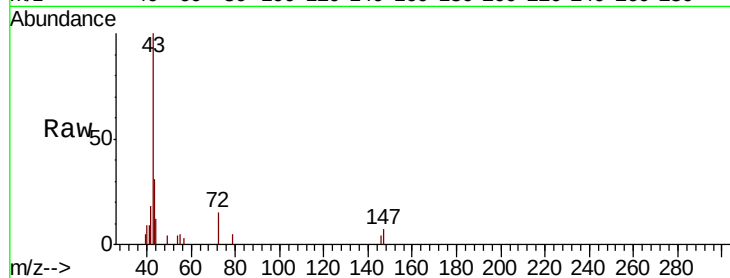
Acq: 24 Jun 2022 21:48

Tot Ion: 43 Resp: 5480

Ion Ratio Lower Upper

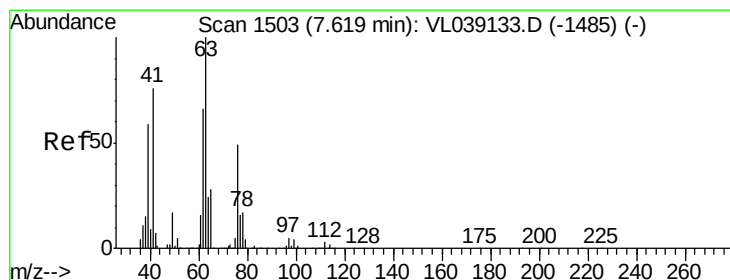
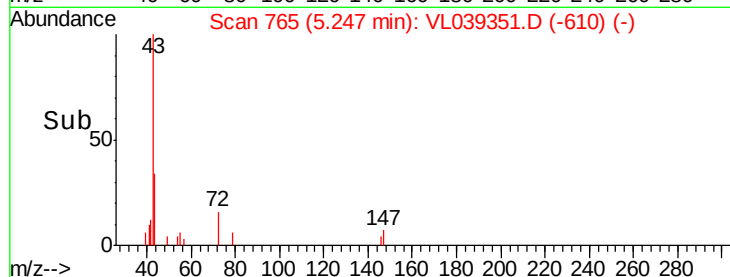
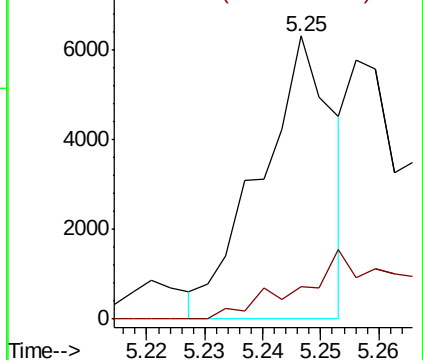
43 100

72 0.0 18.2 27.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#39

1,2-Dichloropropane

Concen: 7.438 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL039351.D

Acq: 24 Jun 2022 21:46

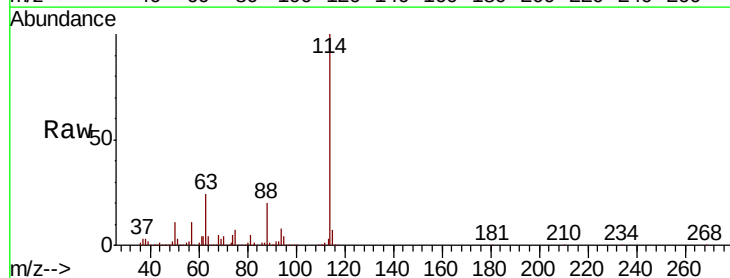
Tgt Ion: 63 Resp: 769152

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

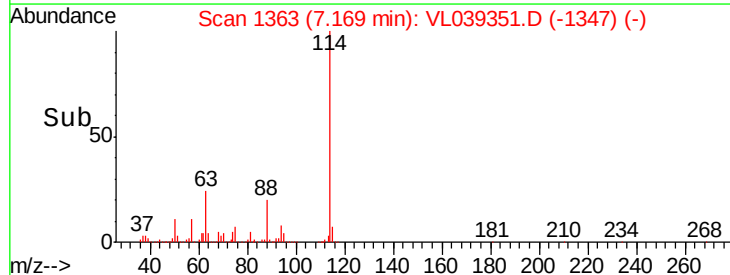
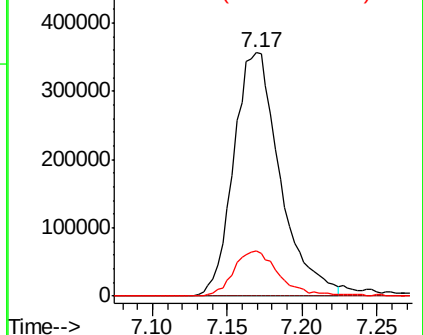
62 18.3 52.9 79.3#

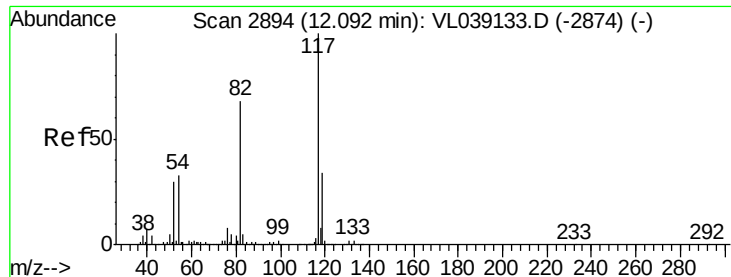


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

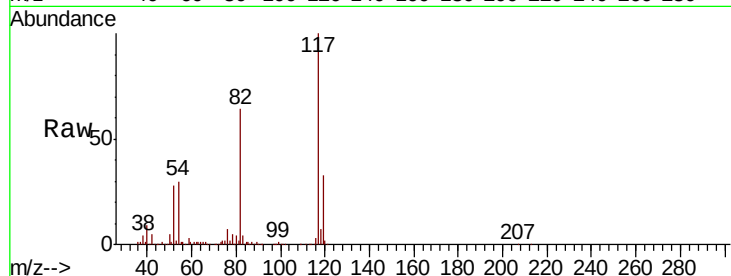




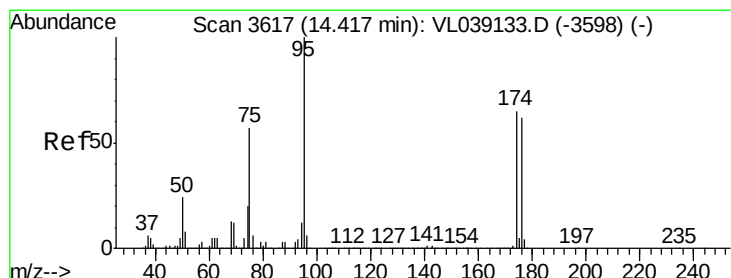
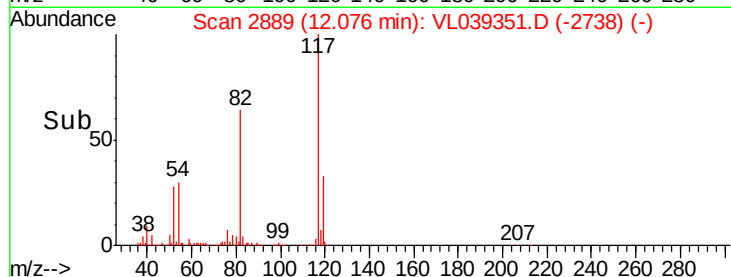
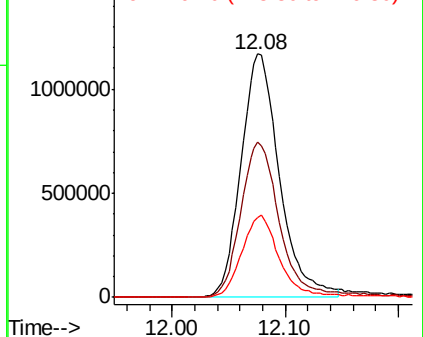
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Jun 2022 21:46

Tot Ion: 117 Resp: 2769519

Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.1	82.7
119	33.9	24.7	37.1



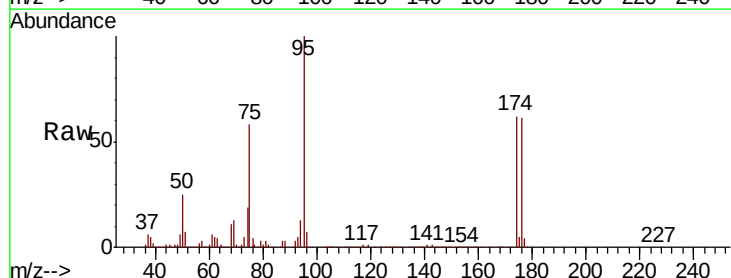
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.092 ppbv
RT: 14.40 min Scan# 3613
Delta R.T.: -0.01 min
Lab File: VL039351.D
Acq: 24 Jun 2022 21:46

Tgt Ion: 95 Resp: 2081721

Ion	Ratio	Lower	Upper
95	100		
174	70.8	53.8	80.8
175	5.1	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

