

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
 Data File : VL039414.D
 Acq On : 30 Jun 2022 3:08
 Operator : SY/AP
 Sample : N3530-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jun 30 05:45:37 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022
 QLast Update : Thu Jun 30 05:40:11 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1343328	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3740788	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3243393	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2432739	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

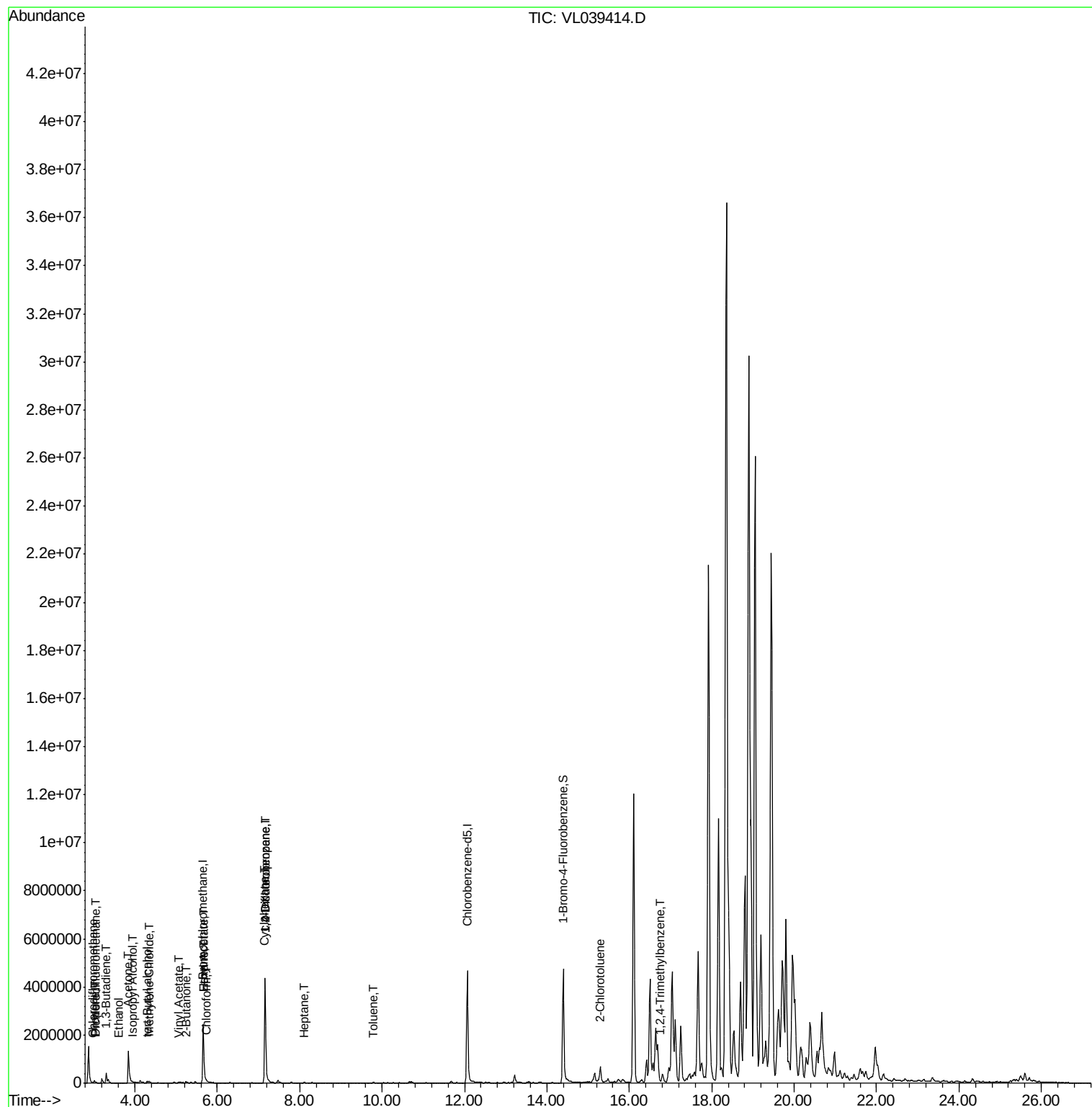
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	11058	0.06	ppbv	99
3) Chlorodifluoromethane	2.98	51	20844	0.12	ppbv #	75
9) Propene	3.02	41	22427	0.29	ppbv	94
10) Heptane	8.11	43	5856	0.03	ppbv #	16
13) Ethanol	3.60	45	6014	1.35	ppbv #	23
15) Acetone	3.84	43	1785455	11.23	ppbv	97
16) 1,3-Butadiene	3.30	39	120958	1.47	ppbv #	16
17) tert-Butyl alcohol	4.30	59	46218	0.34	ppbv #	91
19) Isopropyl Alcohol	3.96	45	2130	0.03	ppbv #	88
20) Methylene Chloride	4.34	84	26542	0.42	ppbv	97
23) Vinyl Acetate	5.06	43	3660	0.03	ppbv #	86
25) Ethyl Acetate	5.67	43	17317	0.05	ppbv #	86
26) Hexane	5.67	57	40857	0.31	ppbv #	34
29) Chloroform	5.74	83	7090	0.03	ppbv	97
30) Cyclohexane	7.14	84	2866	0.02	ppbv #	1
34) 2-Butanone	5.24	43	84326	0.45	ppbv #	88
39) 1,2-Dichloropropane	7.16	63	930736	8.61	ppbv #	26
53) Toluene	9.78	91	12463	0.04	ppbv #	46
71) 2-Chlorotoluene	15.29	91	158713	0.42	ppbv #	45
74) 1,2,4-Trimethylbenzene	16.74	105	11889	0.03	ppbv #	66

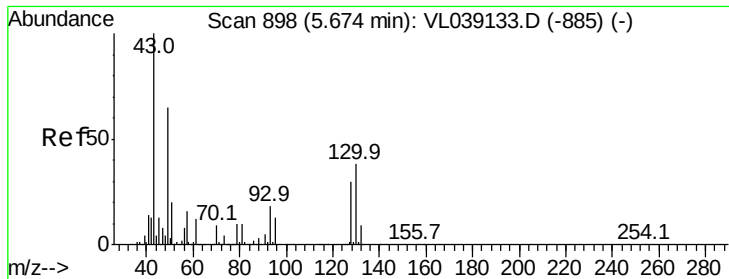
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL

Acq: 30 Jun 2022 3:08

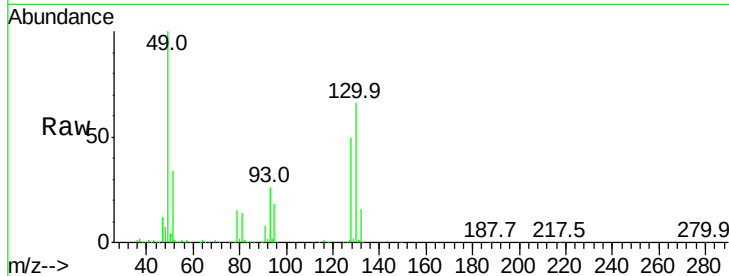
Tgt Ion: 49 Resp: 1343328

Ion Ratio Lower Upper

49 100

128 52.6 26.7 80.0

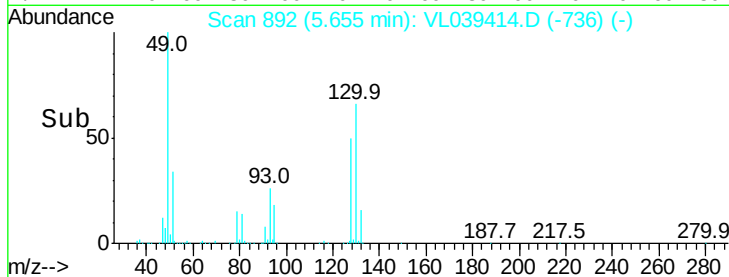
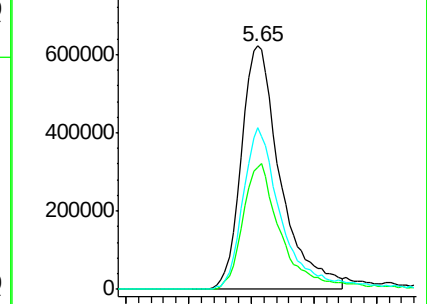
130 68.1 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.06 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL039414.D

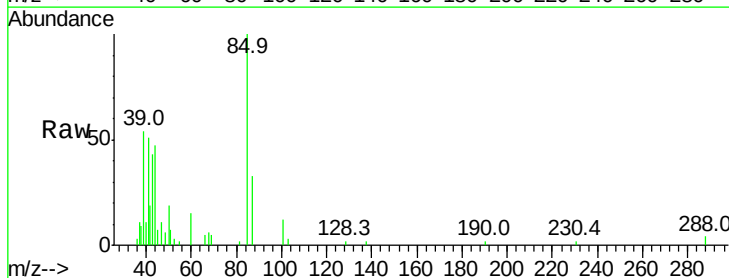
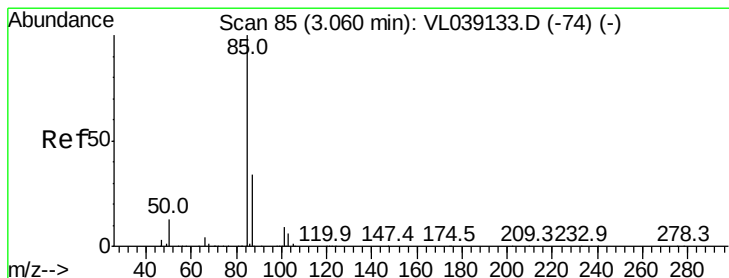
Acq: 30 Jun 2022 3:08

Tgt Ion: 85 Resp: 11058

Ion Ratio Lower Upper

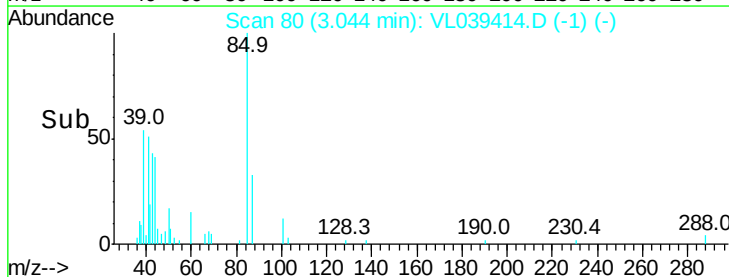
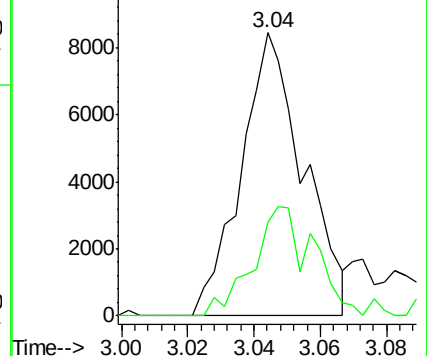
85 100

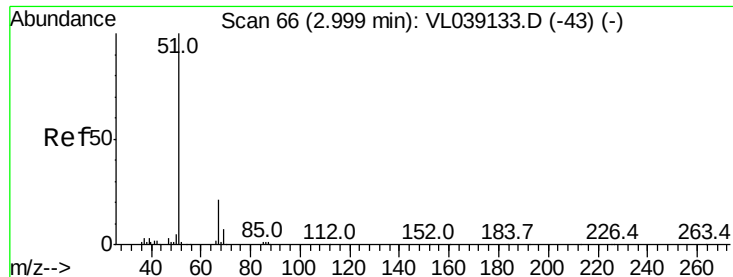
87 33.0 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.12 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

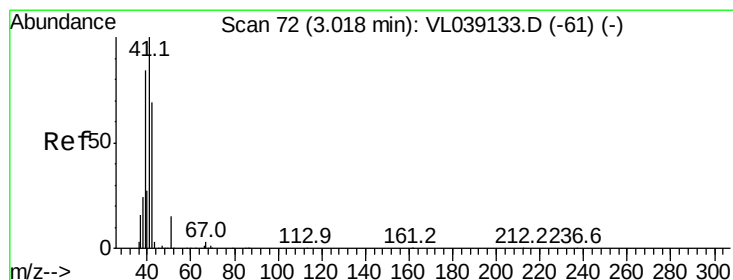
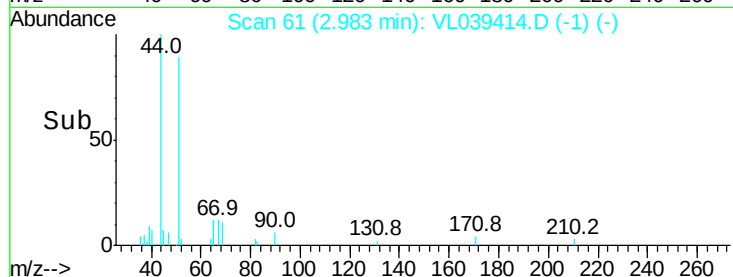
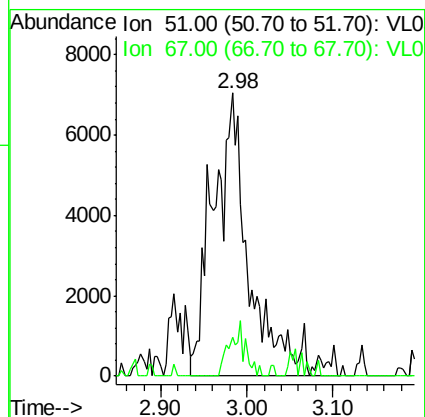
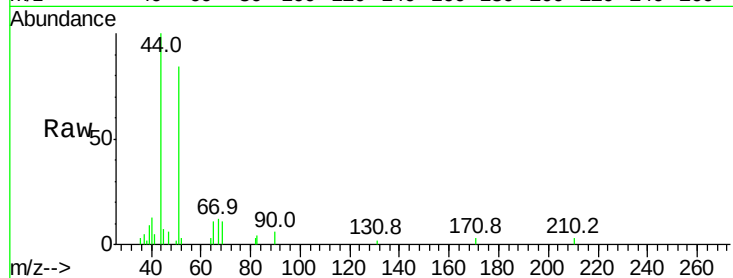
Acq: 30 Jun 2022 3:08

Tgt Ion: 51 Resp: 20844

Ion Ratio Lower Upper

51 100

67 8.1 15.7 23.5#



#9

Propene

Concen: 0.29 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL039414.D

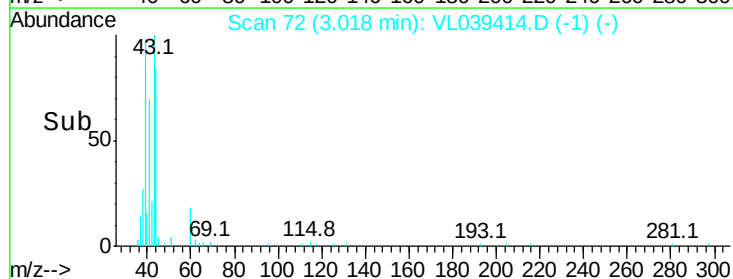
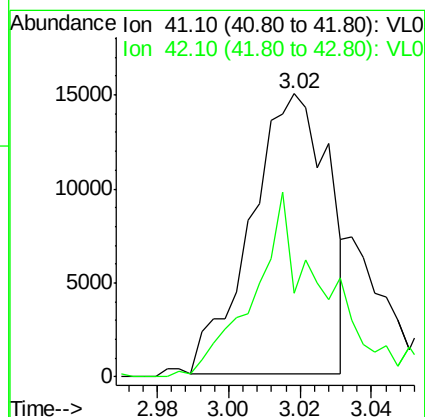
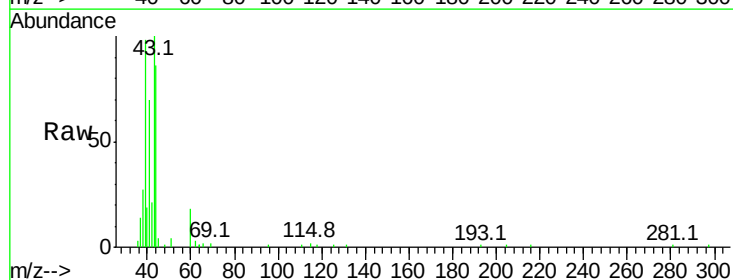
Acq: 30 Jun 2022 3:08

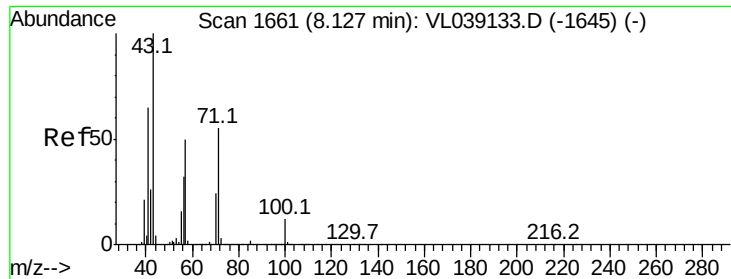
Tgt Ion: 41 Resp: 22427

Ion Ratio Lower Upper

41 100

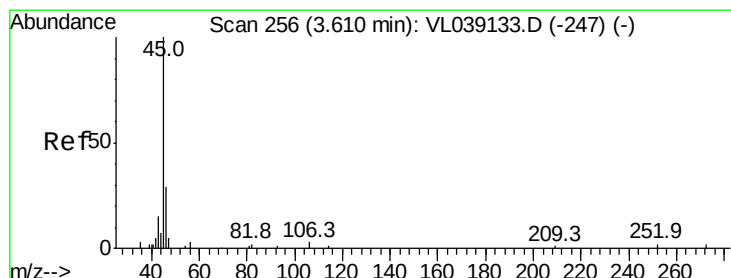
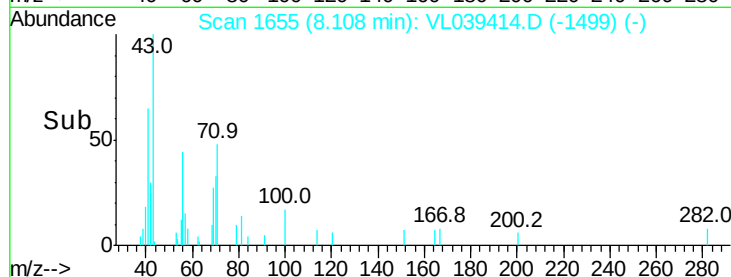
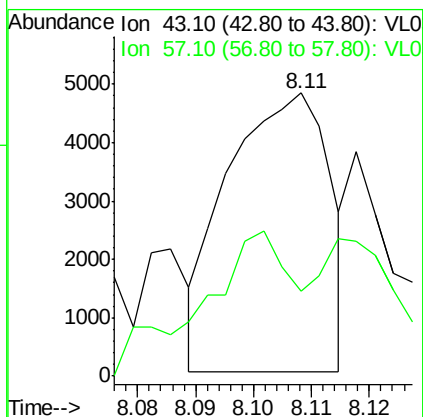
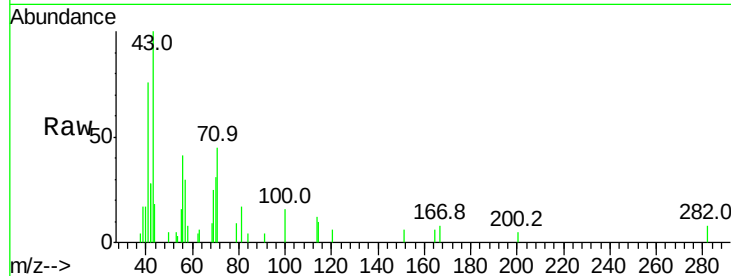
42 64.3 55.2 82.8





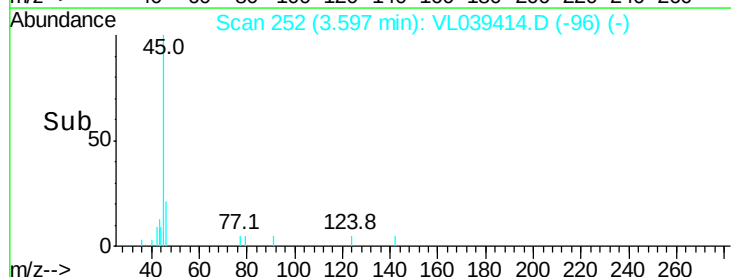
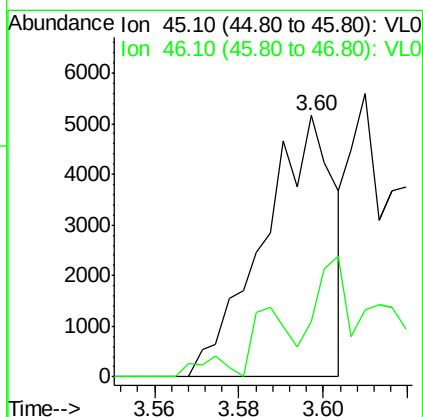
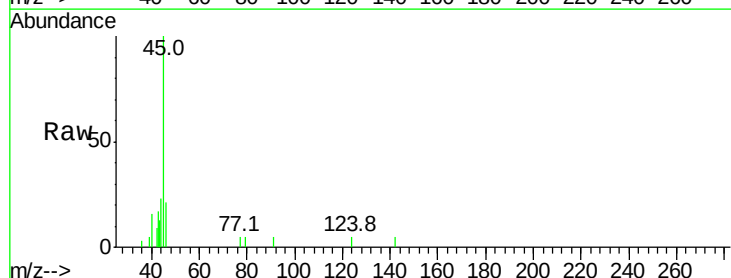
#10
 Heptane
 Concen: 0.03 ppbv
 RT: 8.11
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Jun 2022 3:08

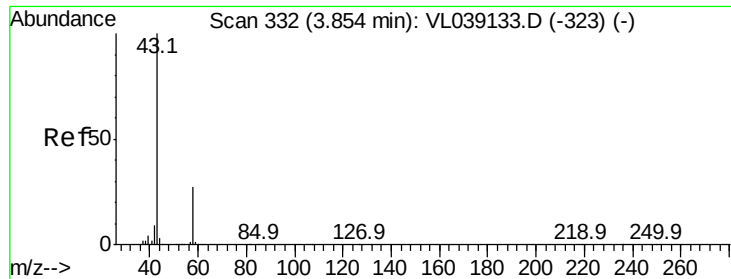
Tgt Ion: 43 Resp: 5856
 Ion Ratio Lower Upper
 43 100
 57 108.5 40.5 60.7#



#13
 Ethanol
 Concen: 1.35 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VL039414.D
 Acq: 30 Jun 2022 3:08

Tgt Ion: 45 Resp: 6014
 Ion Ratio Lower Upper
 45 100
 46 0.0 22.8 91.2#





#15

Acetone

Concen: 11.23 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

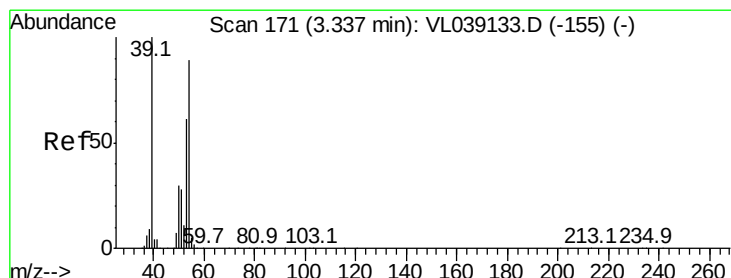
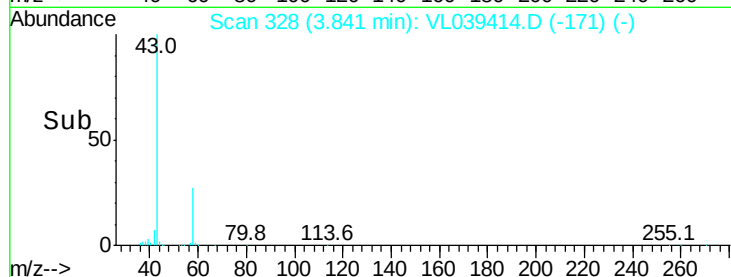
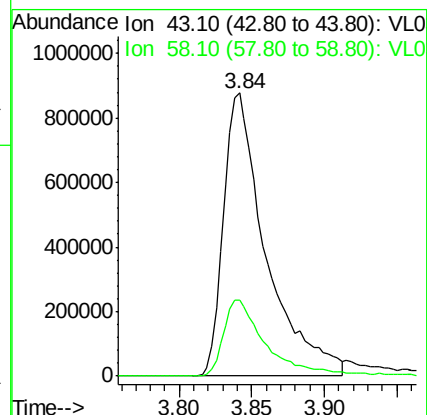
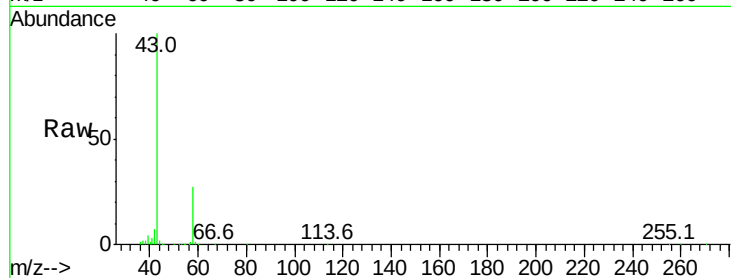
Acq: 30 Jun 2022 3:08

Tgt Ion: 43 Resp: 1785455

Ion Ratio Lower Upper

43 100

58 27.8 21.0 31.6



#16

1,3-Butadiene

Concen: 1.47 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL039414.D

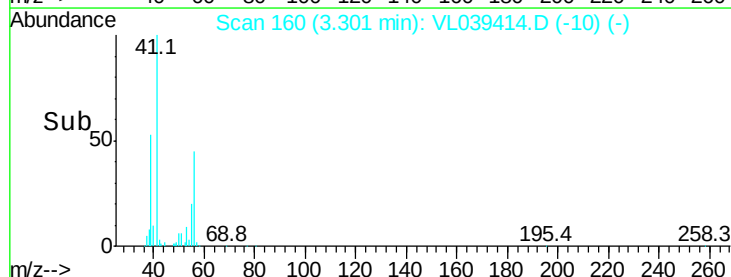
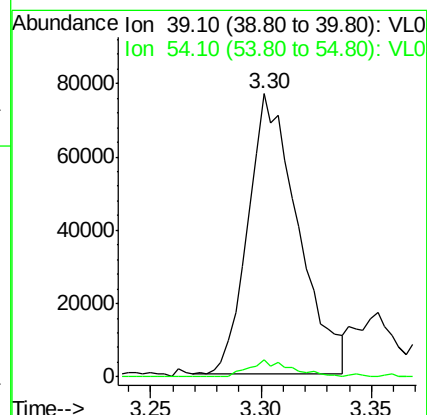
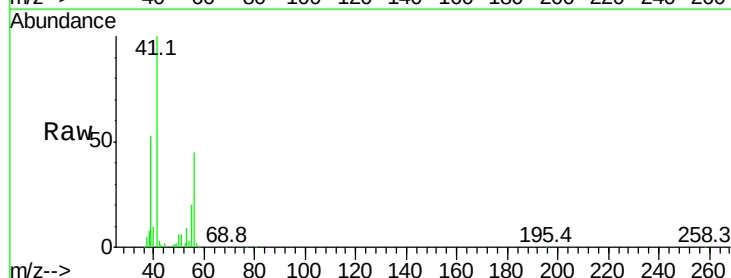
Acq: 30 Jun 2022 3:08

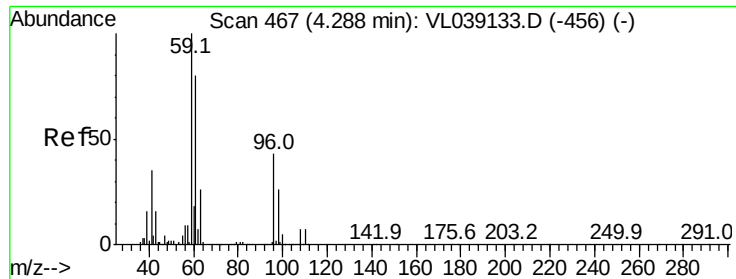
Tgt Ion: 39 Resp: 120958

Ion Ratio Lower Upper

39 100

54 5.3 63.7 95.5#





#17

tert-Butyl alcohol

Concen: 0.34 ppbv

RT: 4.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

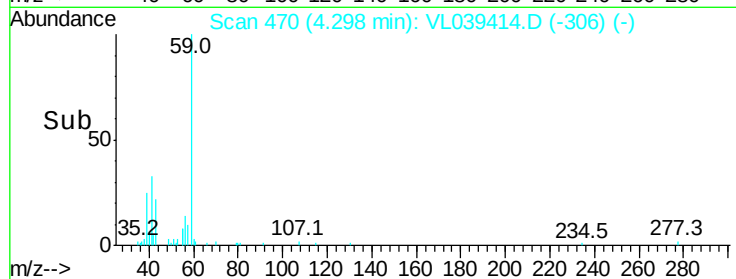
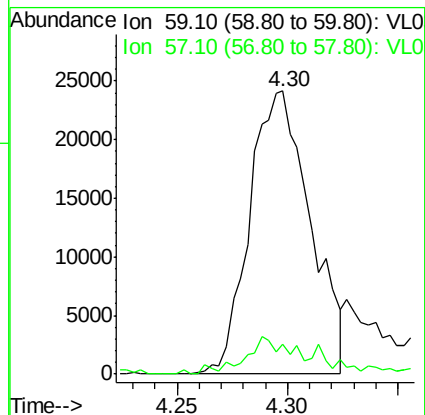
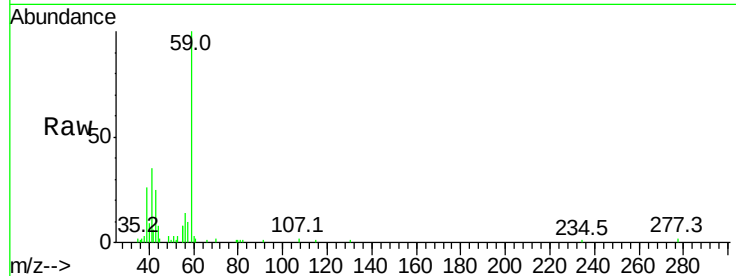
Acq: 30 Jun 2022 3:08

Tgt Ion: 59 Resp: 46218

Ion Ratio Lower Upper

59 100

57 14.4 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 0.03 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL039414.D

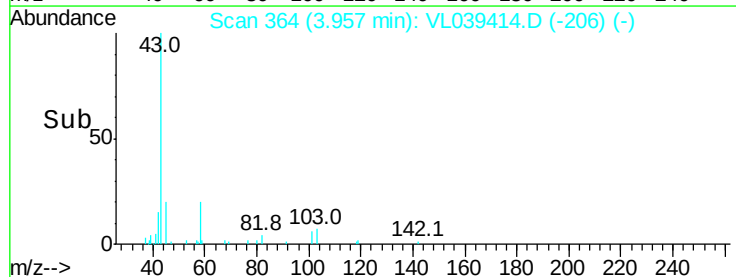
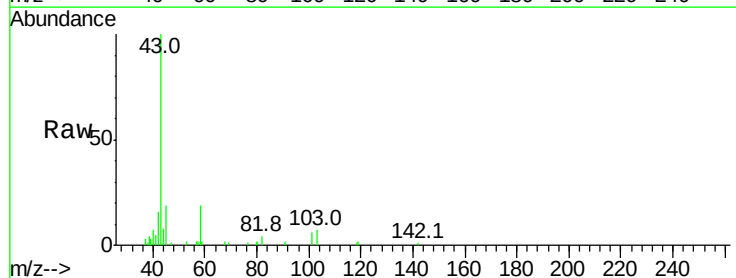
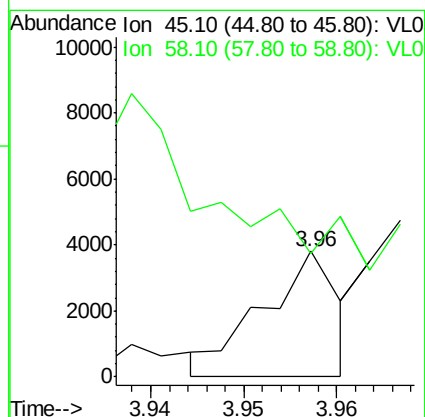
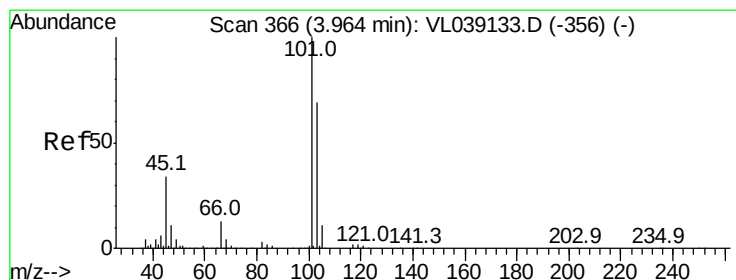
Acq: 30 Jun 2022 3:08

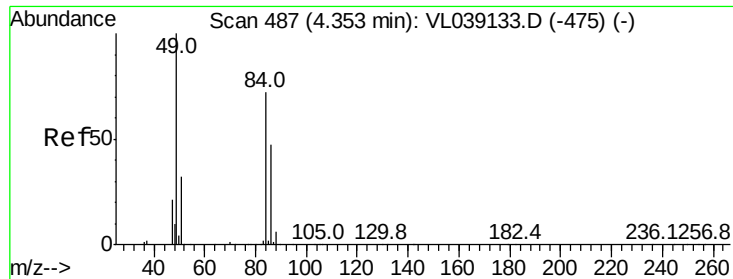
Tgt Ion: 45 Resp: 2130

Ion Ratio Lower Upper

45 100

58 0.0 3.2 4.8#





#20

Methylene Chloride

Concen: 0.42 ppbv

RT: 4.34 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Jun 2022 3:08

Tgt Ion: 84 Resp: 26542

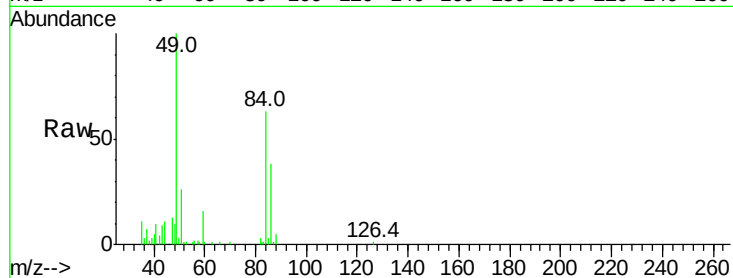
Ion Ratio Lower Upper

84 100

49 158.6 123.1 184.7

51 42.2 34.4 51.6

86 61.0 51.1 76.7

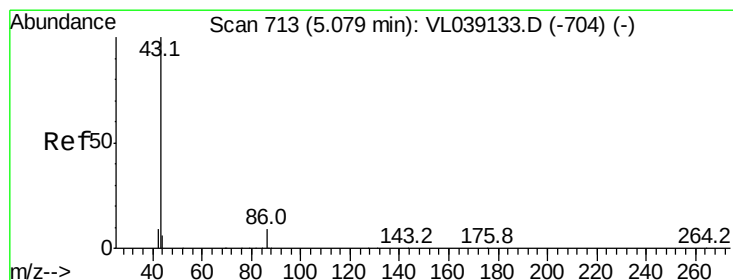
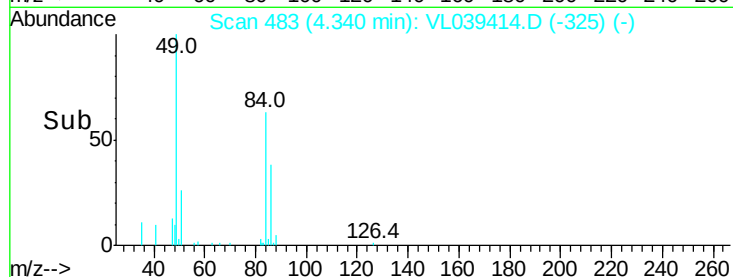
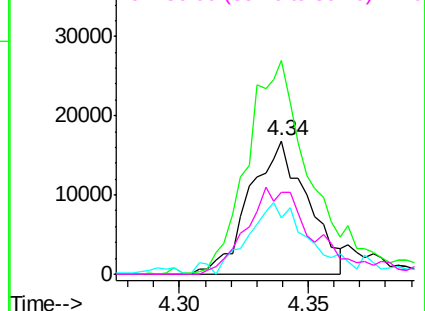


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23

Vinyl Acetate

Concen: 0.03 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL039414.D

Acq: 30 Jun 2022 3:08

Tgt Ion: 43 Resp: 3660

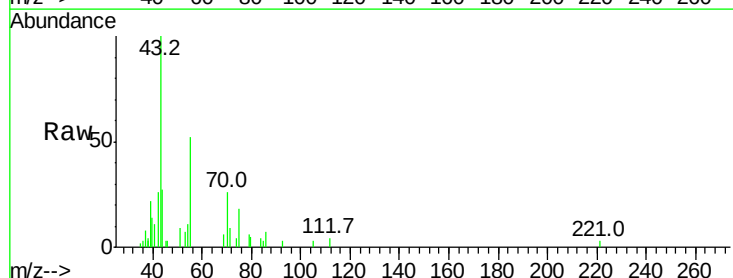
Ion Ratio Lower Upper

43 100

86 19.5 5.0 7.6#

42 9.5 7.7 11.5

44 2.3 4.6 7.0#

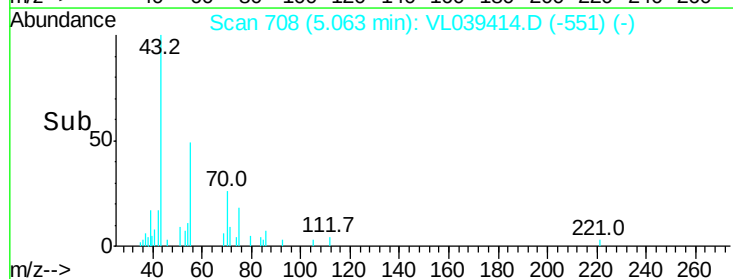
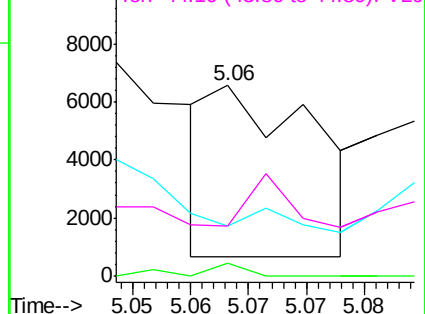


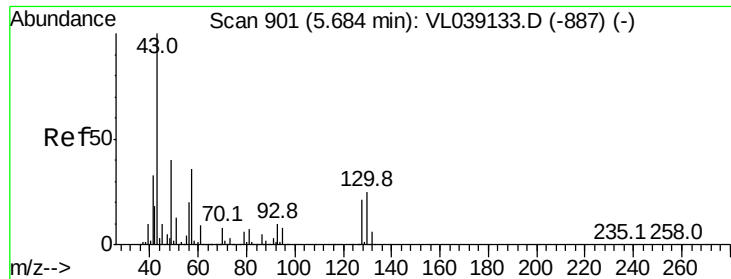
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

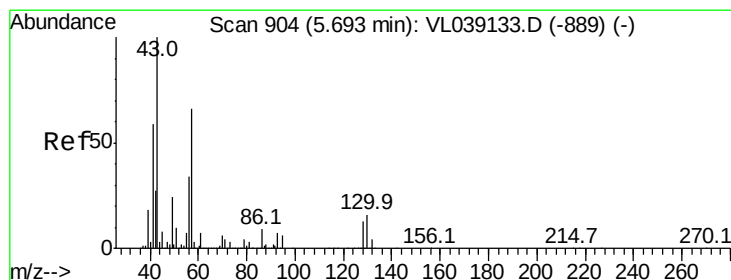
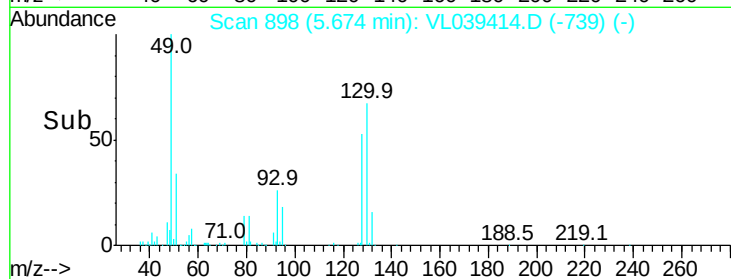
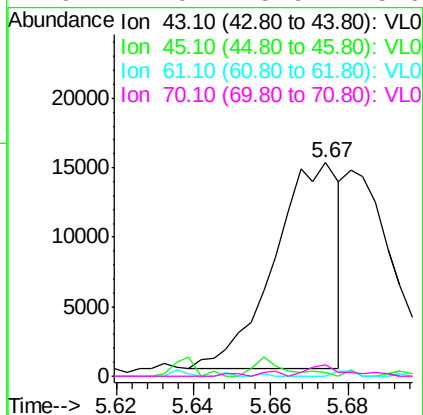
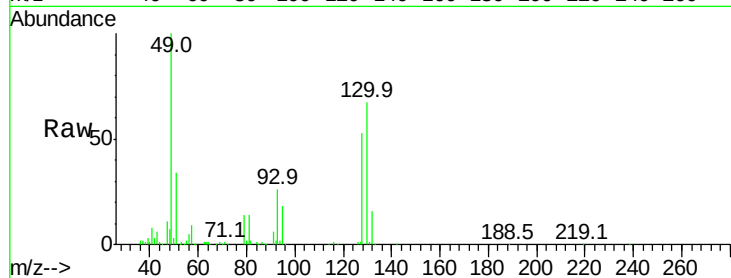
Ion 44.10 (43.80 to 44.80): VL0





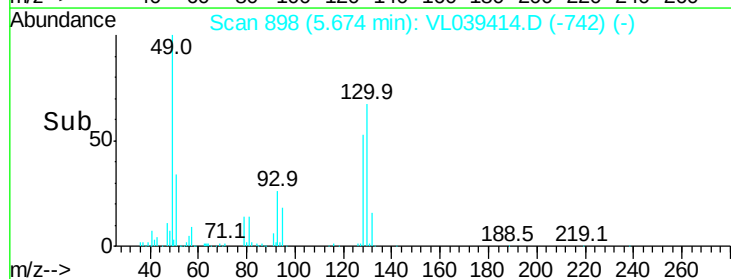
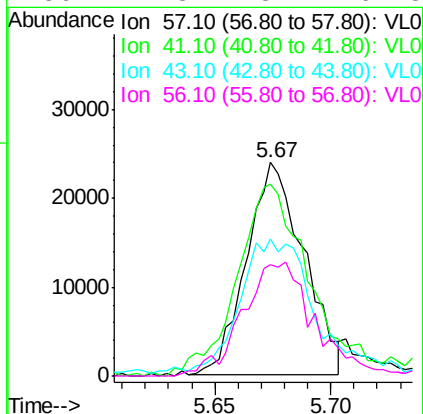
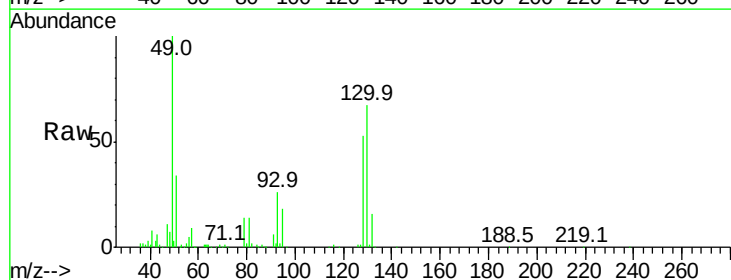
#25
 Ethyl Acetate
 Concen: 0.05 ppbv
 RT: 5.67
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Jun 2022 3:08

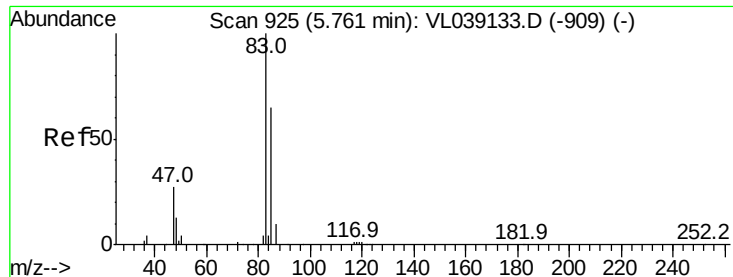
Tgt Ion:	43	Resp:	17317
Ion	Ratio	Lower	Upper
43	100		
45	8.4	8.2	12.4
61	1.0	8.3	12.5#
70	4.0	5.9	8.9#



#26
 Hexane
 Concen: 0.31 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: VL039414.D
 Acq: 30 Jun 2022 3:08

Tgt Ion:	57	Resp:	40857
Ion	Ratio	Lower	Upper
57	100		
41	122.4	76.9	115.3#
43	84.7	191.0	286.6#
56	71.3	43.2	64.8#





#29

Chloroform

Concen: 0.03 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

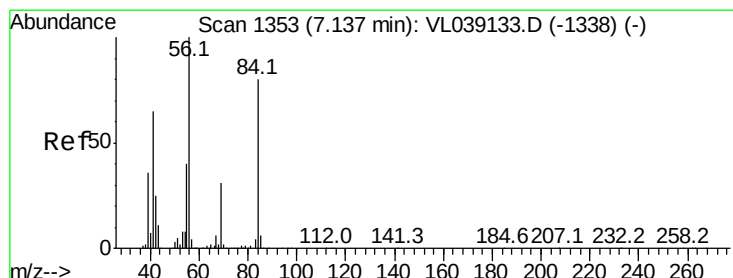
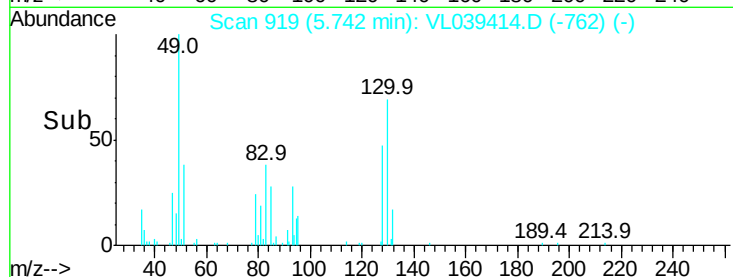
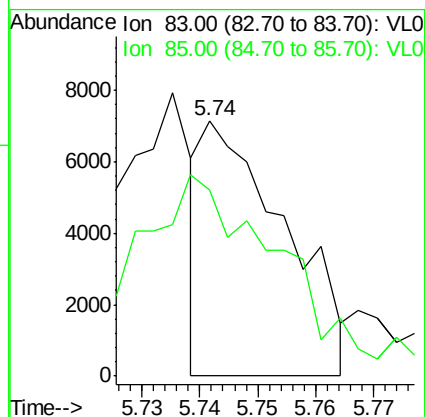
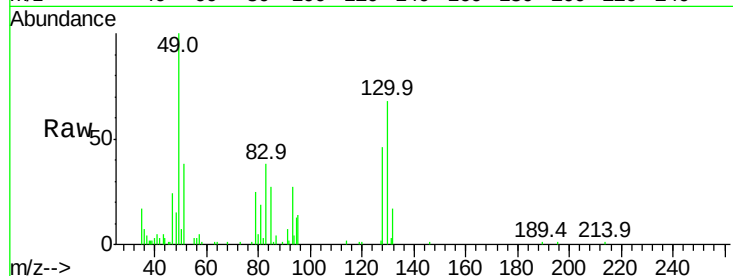
Acq: 30 Jun 2022 3:08 SV1DL

Tgt Ion: 83 Resp: 7090

Ion Ratio Lower Upper

83 100

85 63.4 52.8 79.2



#30

Cyclohexane

Concen: 0.02 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.03 min

Lab File: VL039414.D

Acq: 30 Jun 2022 3:08

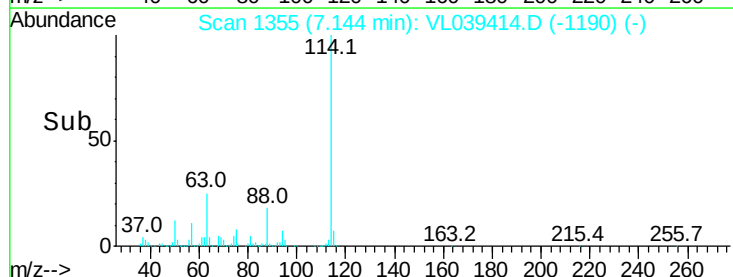
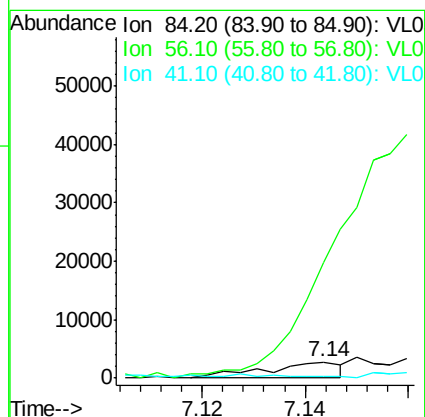
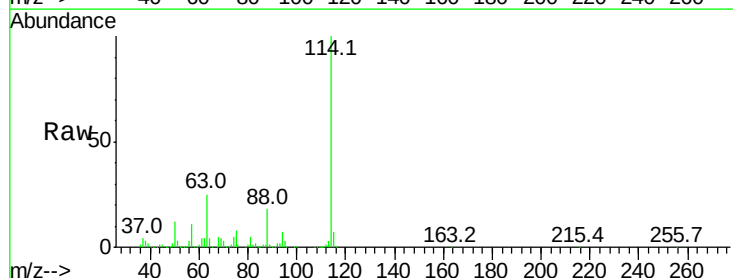
Tgt Ion: 84 Resp: 2866

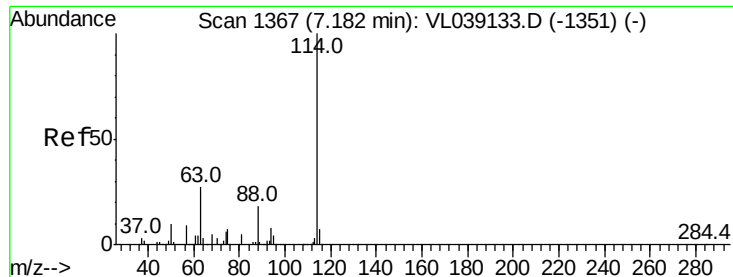
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

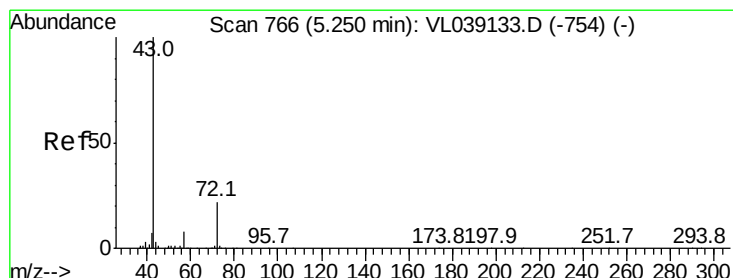
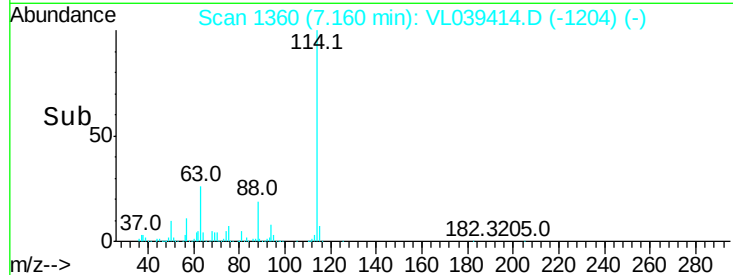
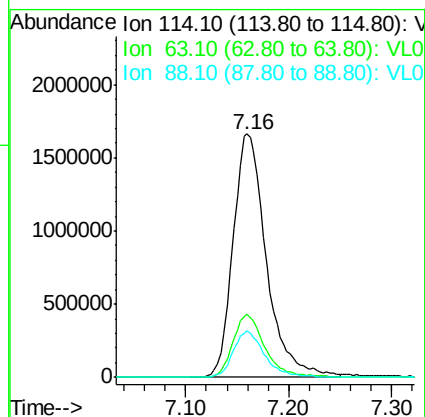
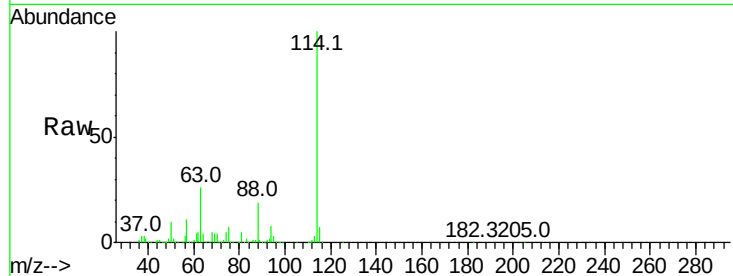
41 0.0 67.7 101.5#





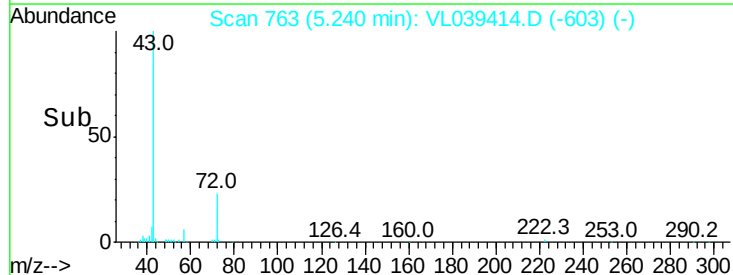
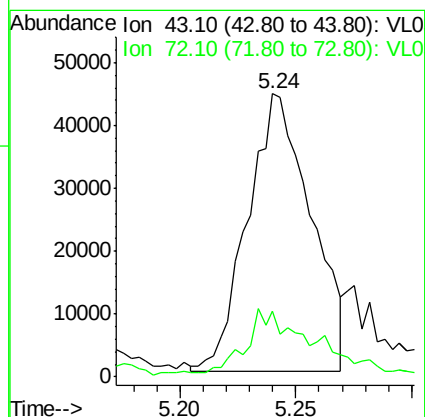
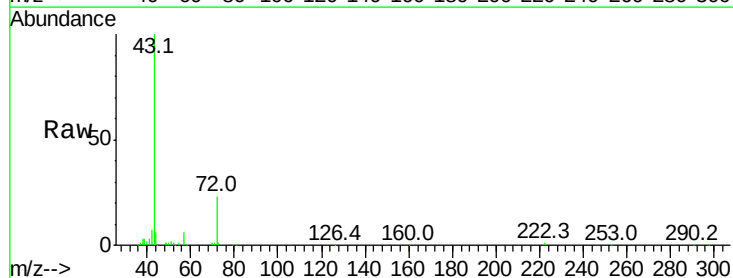
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Jun 2022 3:08

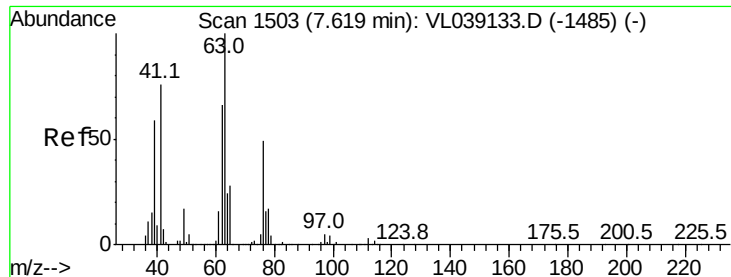
Tgt Ion:	114	Resp:	3740788
Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.4
88	18.4	14.5	21.7



#34
 2-Butanone
 Concen: 0.45 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL039414.D
 Acq: 30 Jun 2022 3:08

Tgt Ion:	43	Resp:	84326
Ion	Ratio	Lower	Upper
43	100		
72	28.0	17.9	26.9#





#39

1,2-Dichloropropane

Concen: 8.61 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 30 Jun 2022 3:08 SV1DL

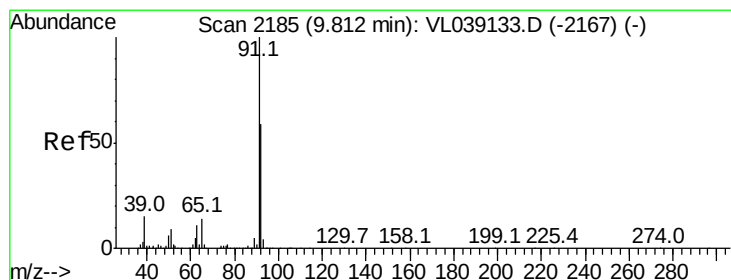
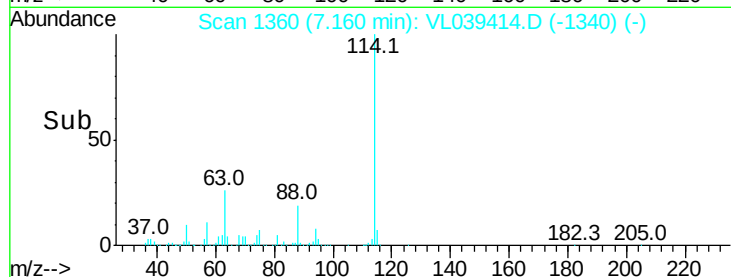
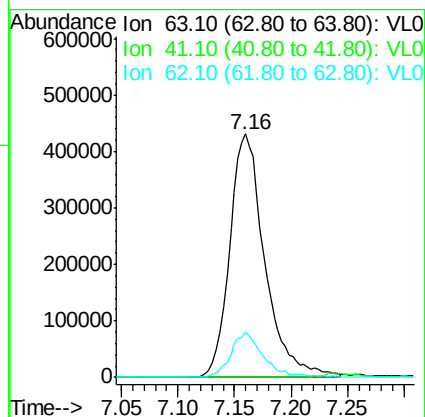
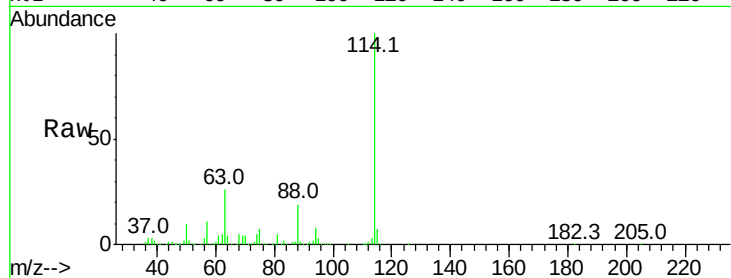
Tgt Ion: 63 Resp: 930736

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 18.7 51.4 77.0#



#53

Toluene

Concen: 0.04 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL039414.D

Acq: 30 Jun 2022 3:08

Tgt Ion: 91 Resp: 12463

Ion Ratio Lower Upper

91 100

92 101.0 48.2 72.2#

