

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062422\
 Data File : VL039354.D
 Acq On : 24 Jun 2022 23:49
 Operator : SY/AP
 Sample : N3453-08
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: Jun 27 01:52:27 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	1074974	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3046573	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2637753	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1998170	9.16	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.60%

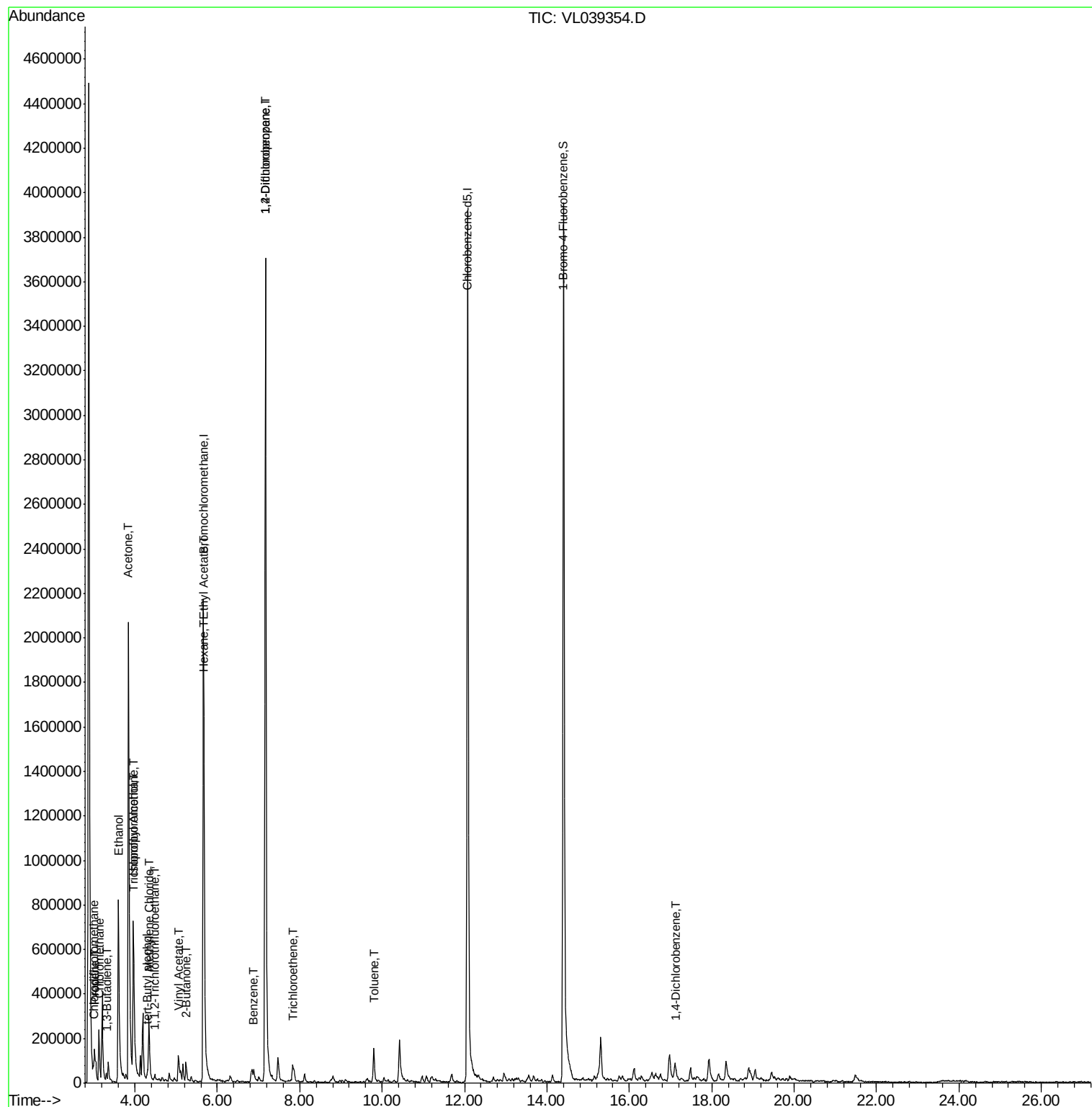
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.99	51	72136	0.527	ppbv 98
4) Chloromethane	3.14	50	40071	0.570	ppbv # 74
9) Propene	3.01	41	17394	0.292	ppbv # 15
11) Trichlorofluoromethane	3.95	101	37955	0.222	ppbv 87
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5547	0.049	ppbv # 34
13) Ethanol	3.60	45	980227	301.375	ppbv # 100
15) Acetone	3.84	43	2695088	24.068	ppbv 100
16) 1,3-Butadiene	3.33	39	1920	0.032	ppbv # 73
17) tert-Butyl alcohol	4.29	59	7758	0.089	ppbv # 70
19) Isopropyl Alcohol	3.96	45	836956	15.936	ppbv # 95
20) Methylene Chloride	4.34	84	53111	1.125	ppbv 97
23) Vinyl Acetate	5.06	43	122613	1.323	ppbv # 90
25) Ethyl Acetate	5.68	43	84531	0.335	ppbv # 87
26) Hexane	5.68	57	98559	0.889	ppbv # 44
34) 2-Butanone	5.24	43	97451	0.589	ppbv # 89
36) Benzene	6.89	78	17470	0.071	ppbv 95
38) Trichloroethene	7.83	130	7874	0.069	ppbv # 36
39) 1,2-Dichloropropane	7.17	63	756886	7.693	ppbv # 27
53) Toluene	9.80	91	108804	0.382	ppbv 98
76) 1,4-Dichlorobenzene	17.12	146	8276	0.041	ppbv # 38

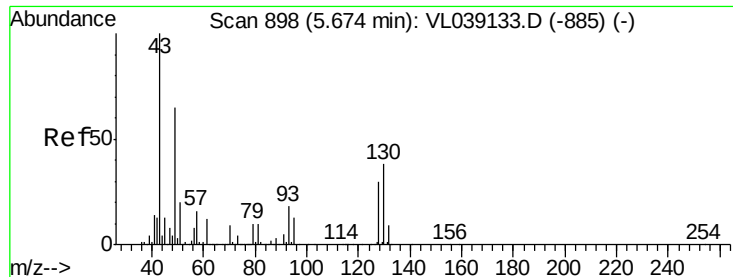
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062422\
Data File : VL039354.D
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Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :
IA-2

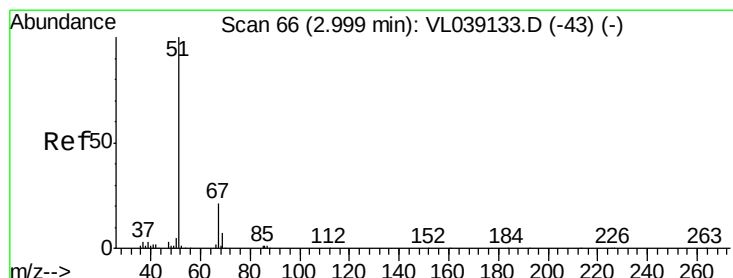
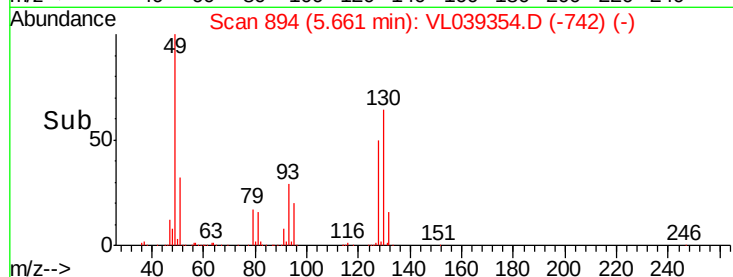
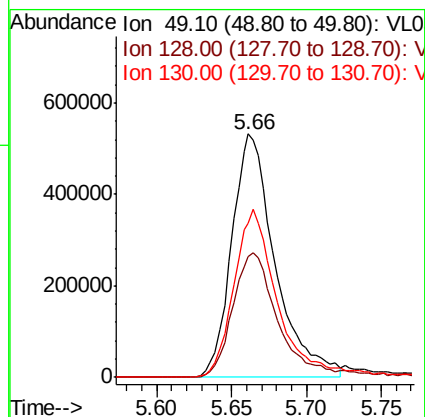
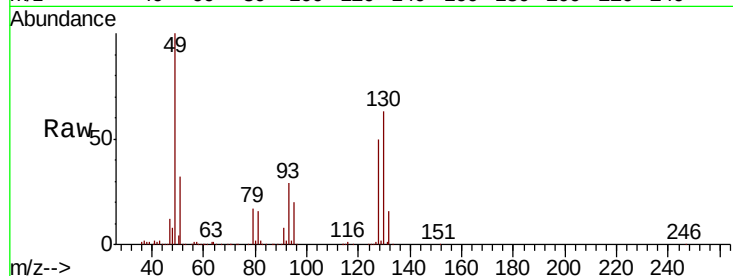
Quant Time: Jun 27 01:52:27 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





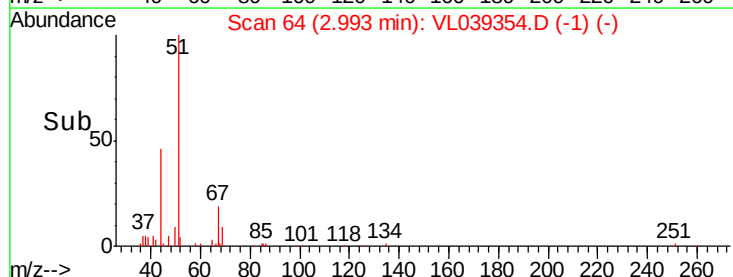
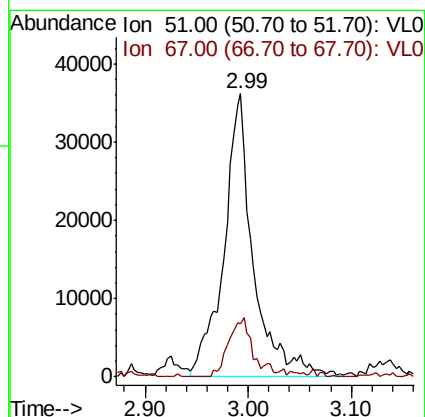
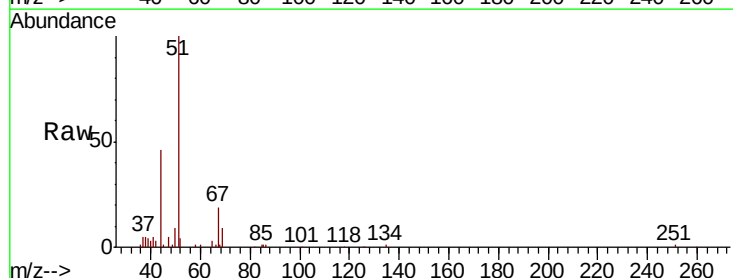
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Jun 2022 23:49

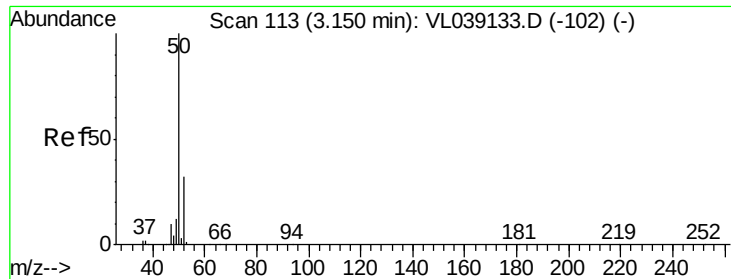
Tot Ion: 49 Resp: 1074974
 Ion Ratio Lower Upper
 49 100
 128 55.6 24.7 74.1
 130 71.8 31.4 94.0



#3
 Chlorodifluoromethane
 Concen: 0.527 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. -0.01 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

Tgt Ion: 51 Resp: 72136
 Ion Ratio Lower Upper
 51 100
 67 19.3 16.2 24.4





#4

Chloromethane

Concen: 0.570 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

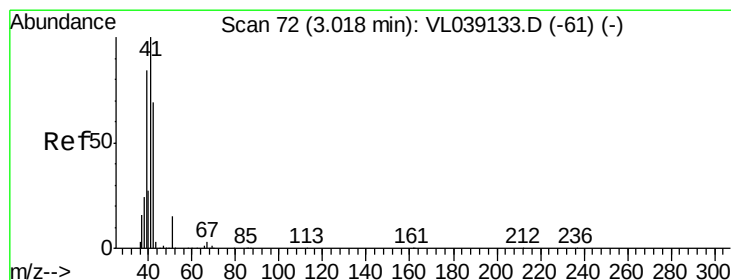
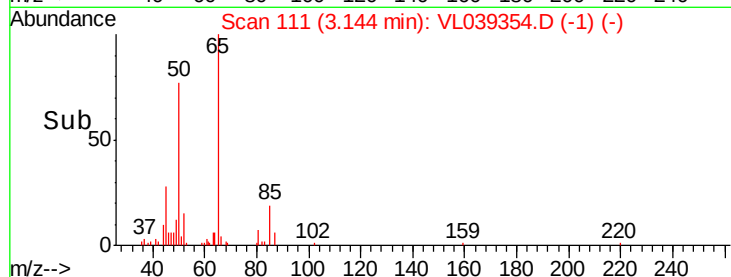
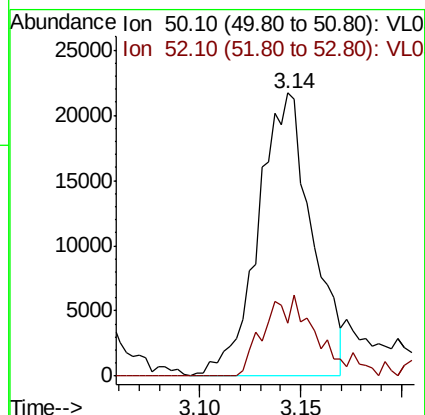
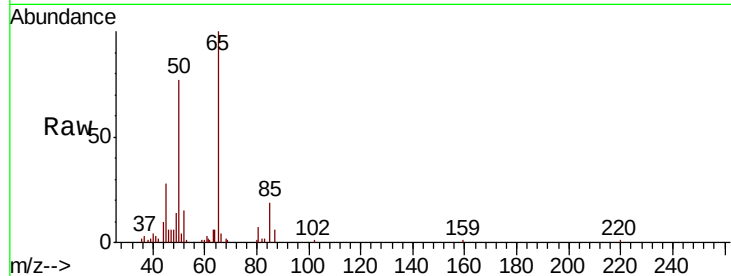
Acq: 24 Jun 2022 23:49

Tot Ion: 50 Resp: 40071

Ion Ratio Lower Upper

50 100

52 17.9 25.9 38.9#



#9

Propene

Concen: 0.292 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL039354.D

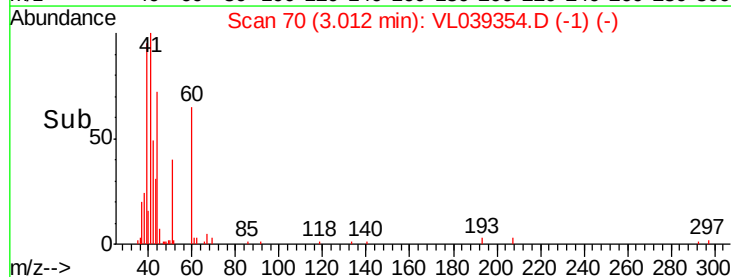
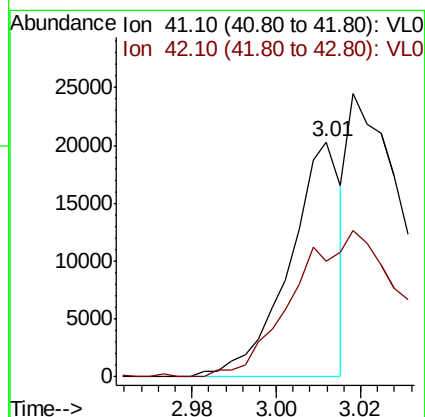
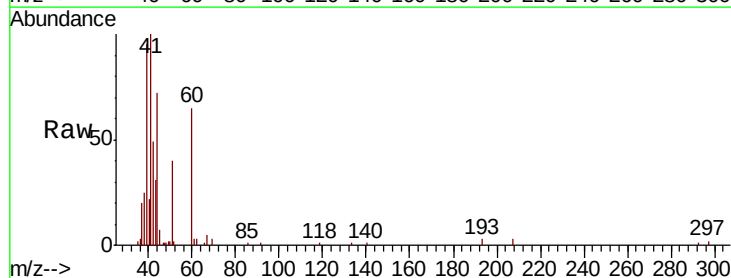
Acq: 24 Jun 2022 23:49

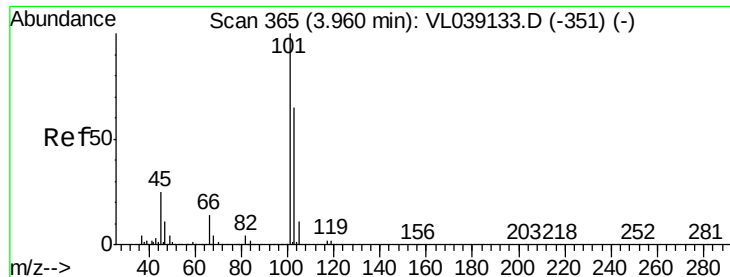
Tgt Ion: 41 Resp: 17394

Ion Ratio Lower Upper

41 100

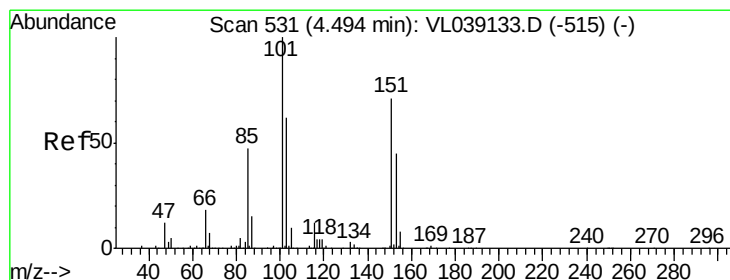
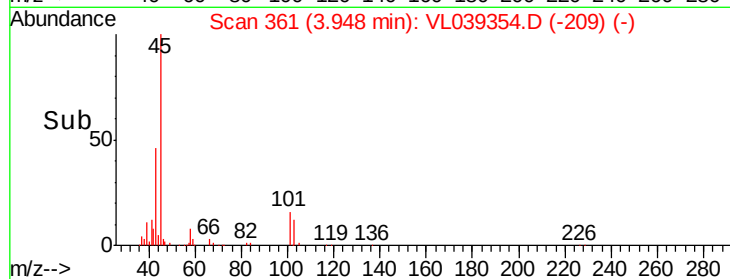
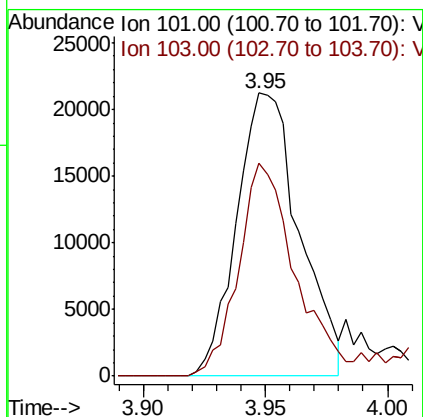
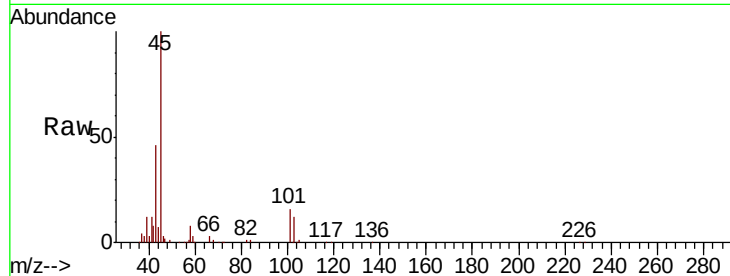
42 0.0 55.4 83.2#





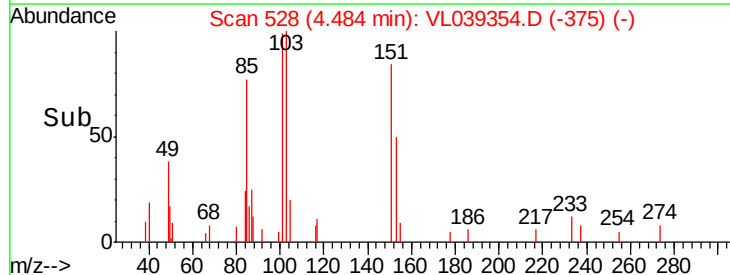
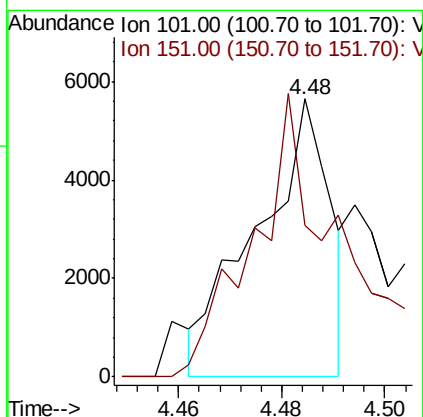
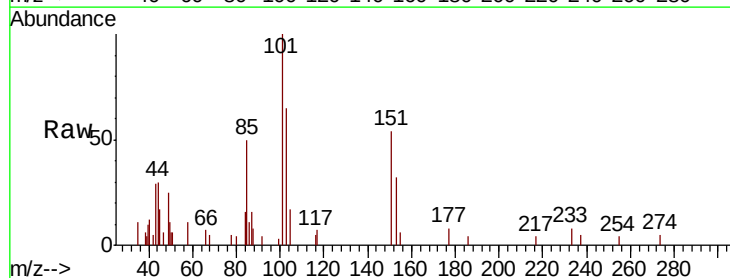
#11
 Trichlorofluoromethane
 Concen: 0.222 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Jun 2022 23:49

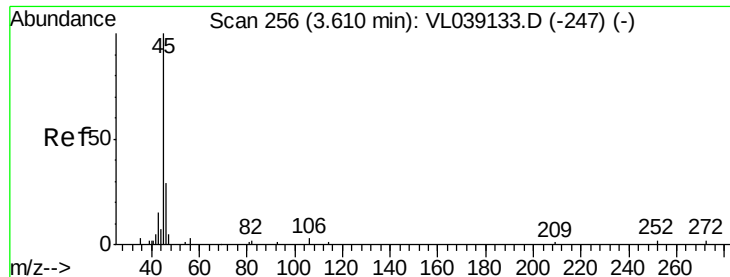
Tot Ion:101 Resp: 37955
 Ion Ratio Lower Upper
 101 100
 103 75.2 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.049 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

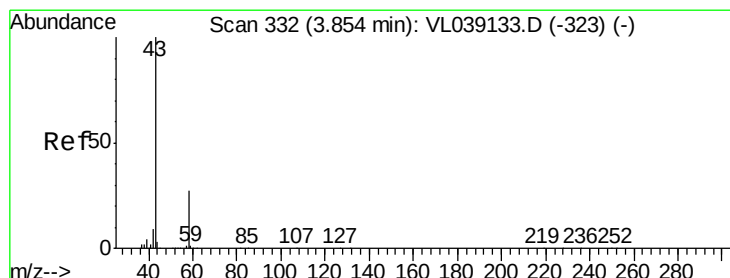
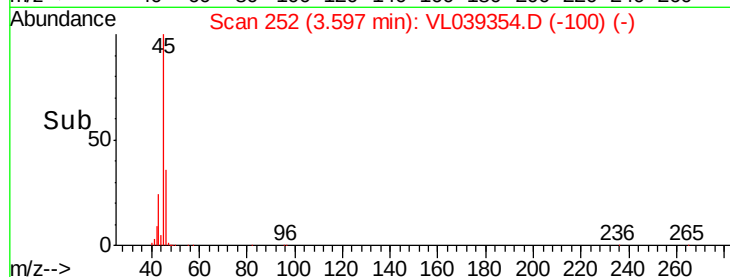
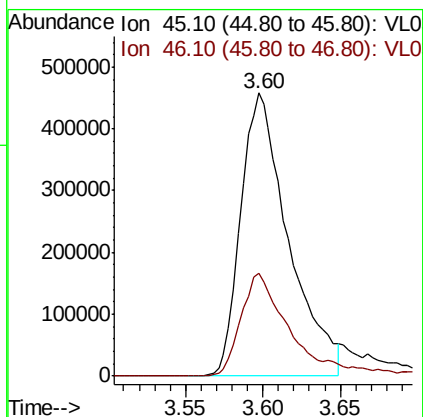
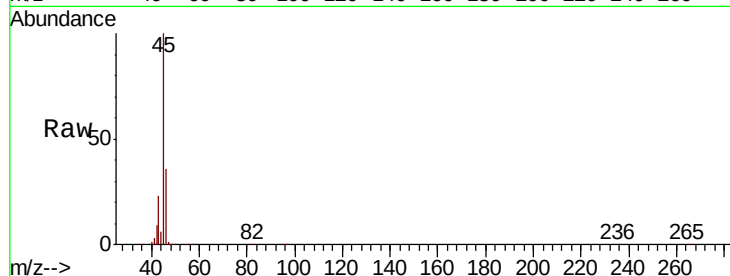
Tgt Ion:101 Resp: 5547
 Ion Ratio Lower Upper
 101 100
 151 130.5 59.4 89.0#





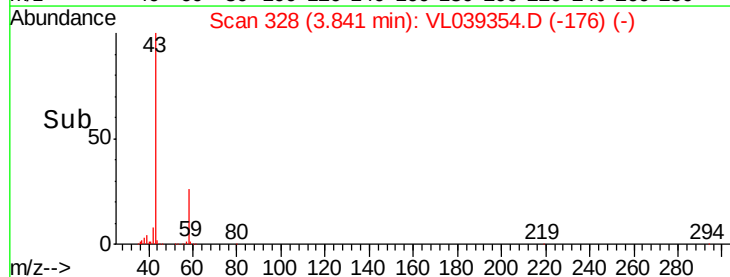
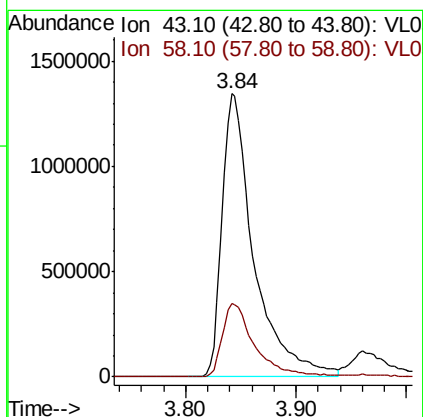
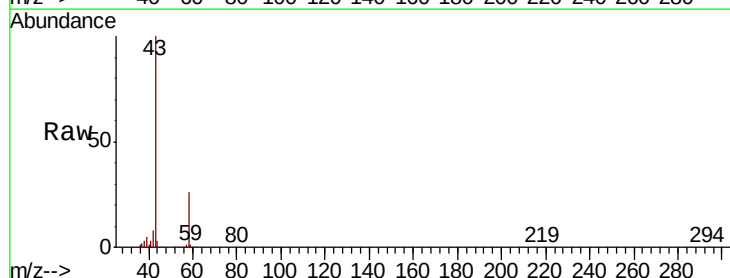
#13
 Ethanol
 Concen: 301.375 ppbv
 RT: 3.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Jun 2022 23:49

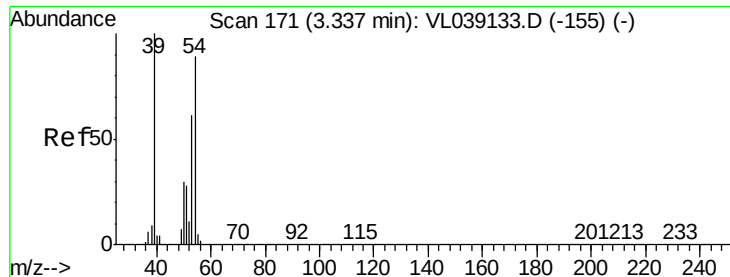
Tot Ion: 45 Resp: 980227
 Ion Ratio Lower Upper
 45 100
 46 39.9 0.0 0.0#



#15
 Acetone
 Concen: 24.068 ppbv
 RT: 3.84 min Scan# 328
 Delta R.T.: -0.01 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

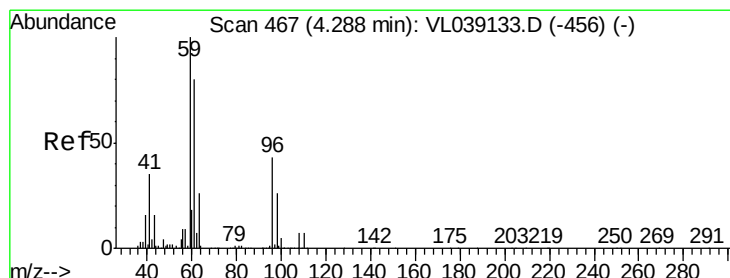
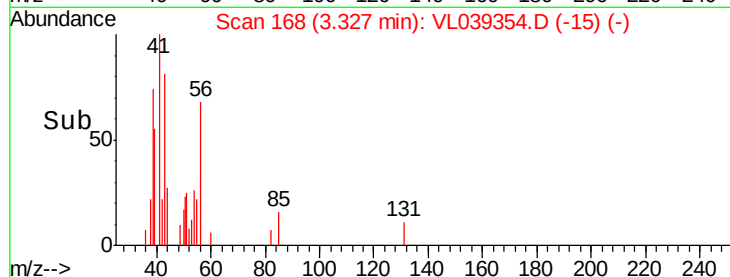
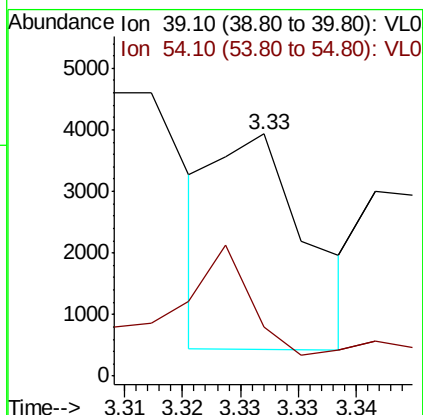
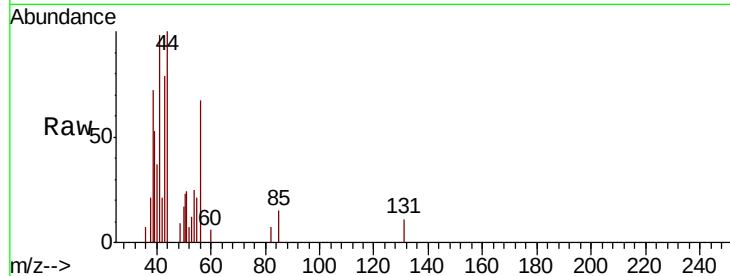
Tgt Ion: 43 Resp: 2695088
 Ion Ratio Lower Upper
 43 100
 58 27.9 22.5 33.7





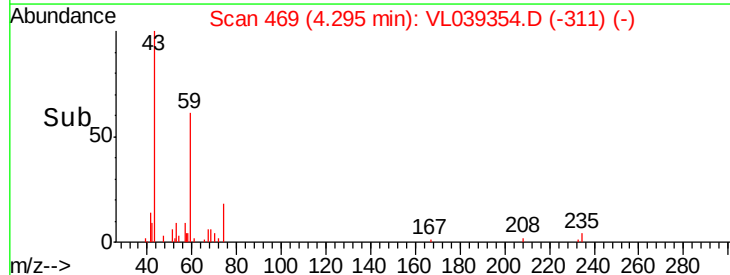
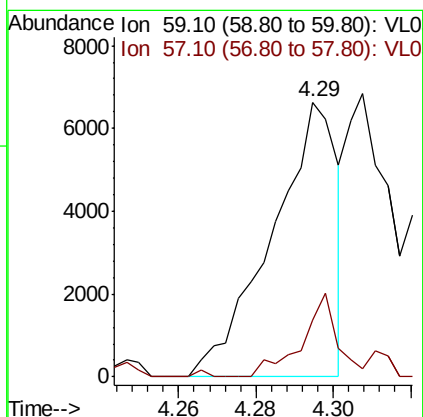
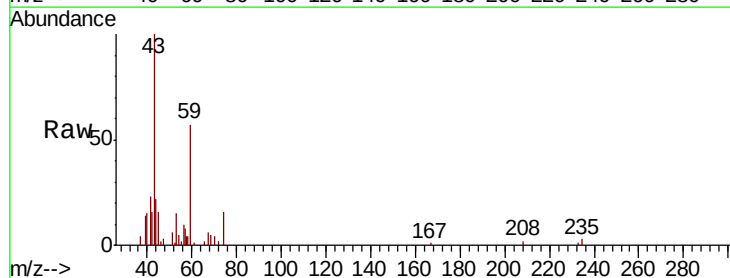
#16
 1,3-Butadiene
 Concen: 0.032 ppbv
 RT: 3.33
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Jun 2022 23:49

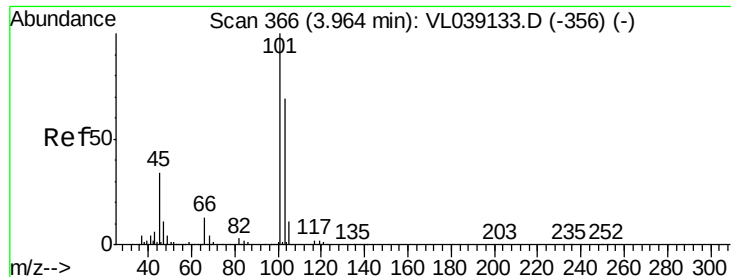
Tot Ion: 39 Resp: 1920
 Ion Ratio Lower Upper
 39 100
 54 106.4 65.8 98.6#



#17
 tert-Butyl alcohol
 Concen: 0.089 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

Tgt Ion: 59 Resp: 7758
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 15.936 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-2

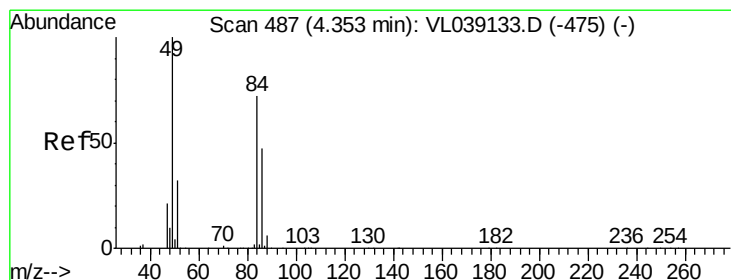
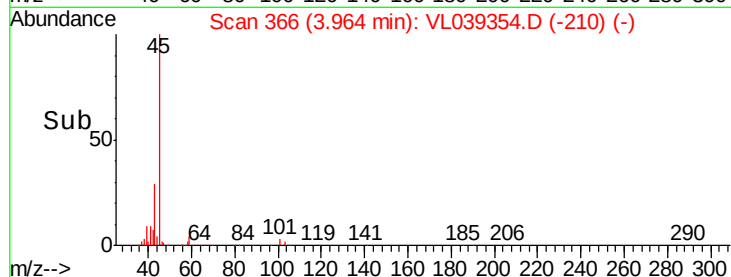
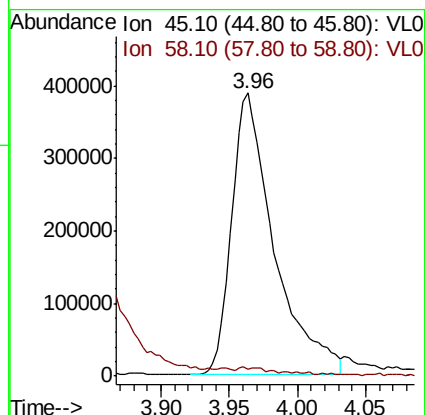
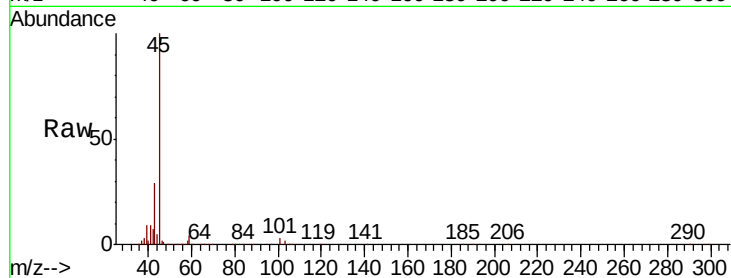
Acq: 24 Jun 2022 23:49

Tot Ion: 45 Resp: 836956

Ion Ratio Lower Upper

45 100

58 4.1 1.8 2.8#



#20

Methylene Chloride

Concen: 1.125 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL039354.D

Acq: 24 Jun 2022 23:49

Tgt Ion: 84 Resp: 53111

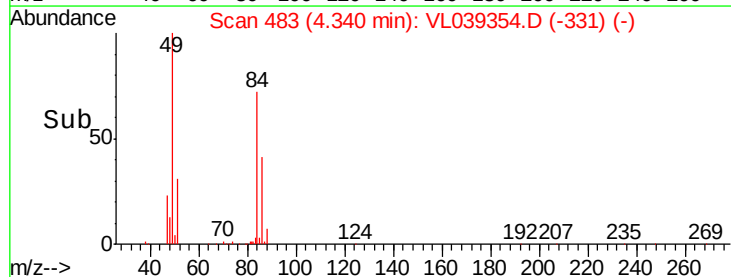
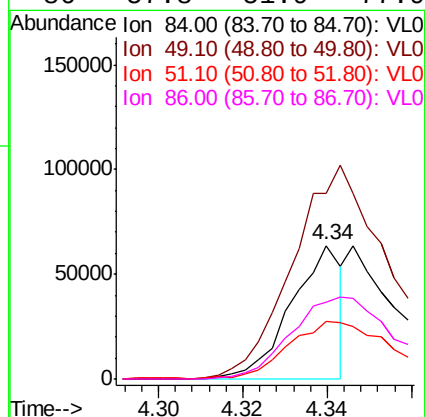
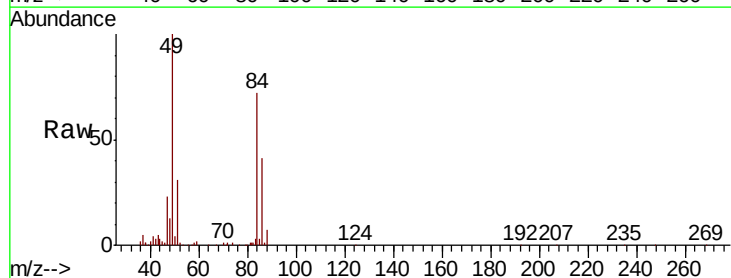
Ion Ratio Lower Upper

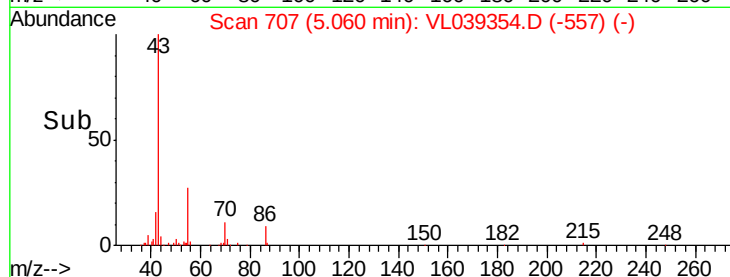
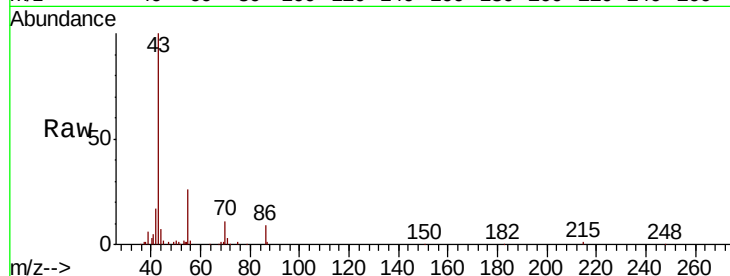
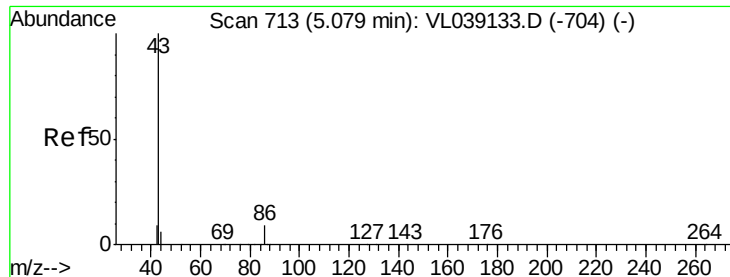
84 100

49 139.5 111.1 166.7

51 43.5 35.3 52.9

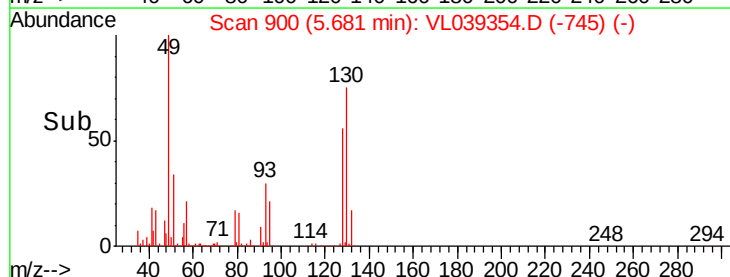
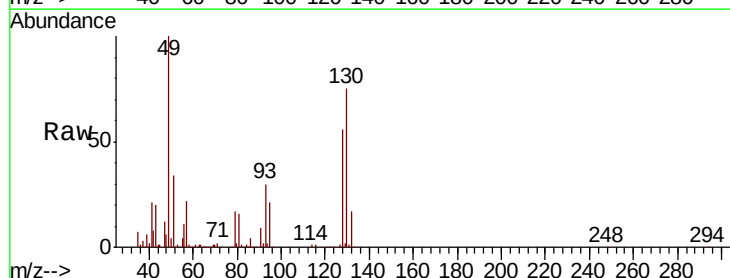
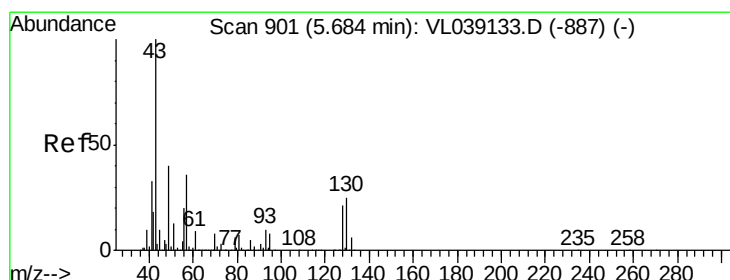
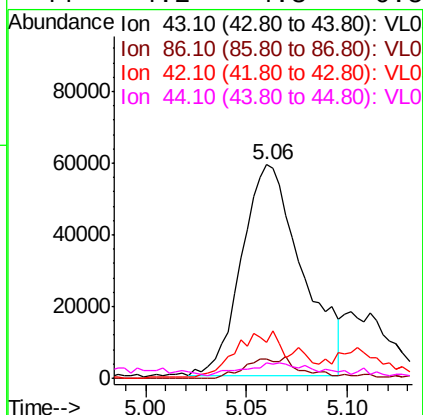
86 57.8 51.9 77.9





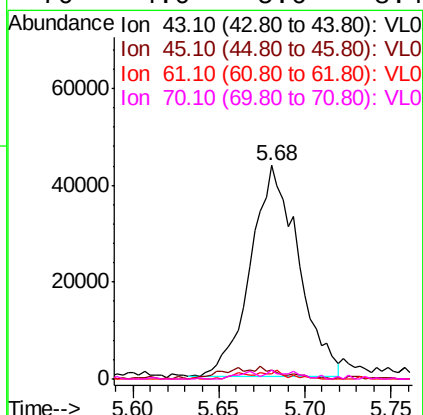
#23
 Vinyl Acetate
 Concen: 1.323 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Jun 2022 23:49

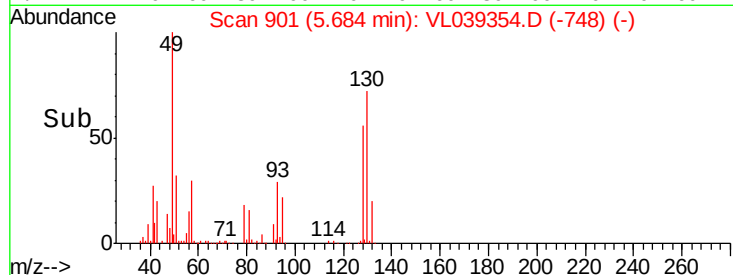
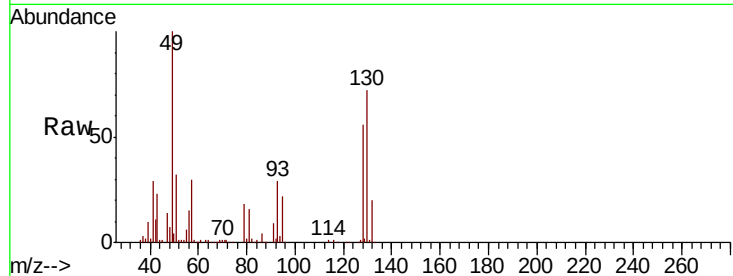
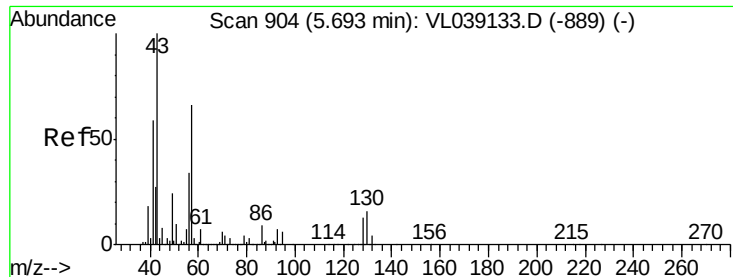
Tot Ion:	43	Resp:	122613
Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.0	9.0#
42	16.4	8.2	12.4#
44	4.2	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 0.335 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

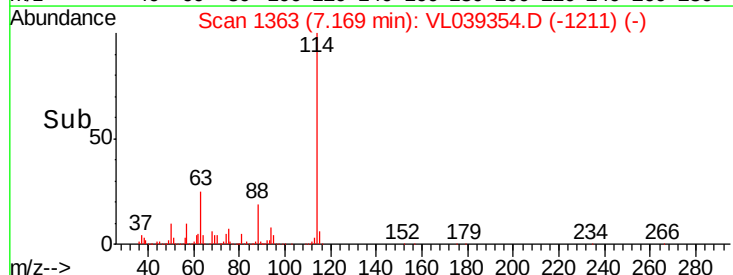
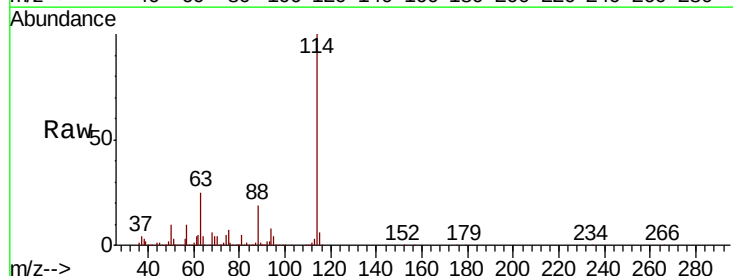
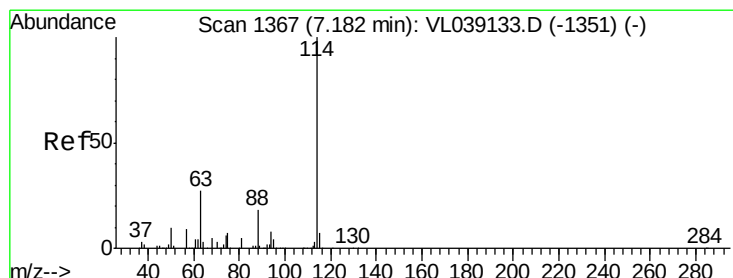
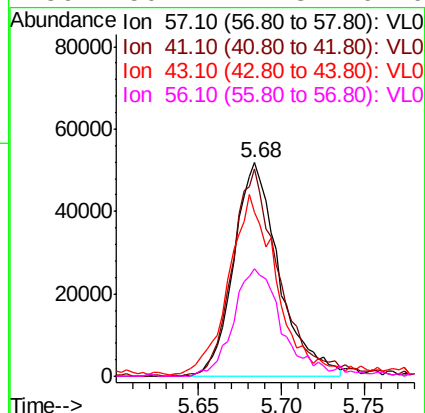
Tgt Ion:	43	Resp:	84531
Ion	Ratio	Lower	Upper
43	100		
45	6.9	8.2	12.2#
61	3.4	8.4	12.6#
70	4.0	5.6	8.4#





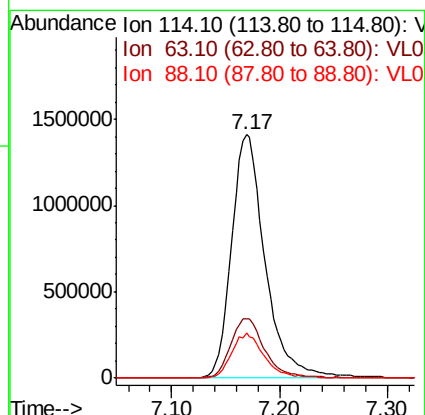
#26
Hexane
Concen: 0.889 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 23:49

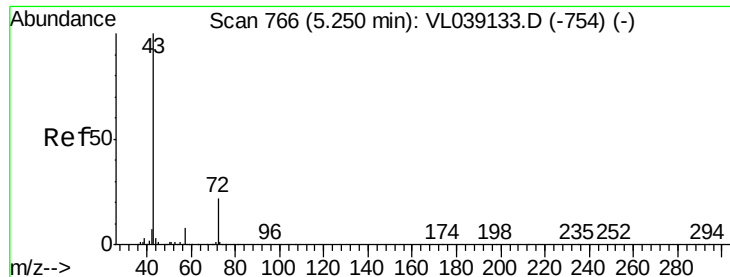
Tot Ion:	57	Resp:	98559
Ion	Ratio	Lower	Upper
57	100		
41	102.3	72.4	108.6
43	93.2	187.0	280.6#
56	56.4	41.8	62.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

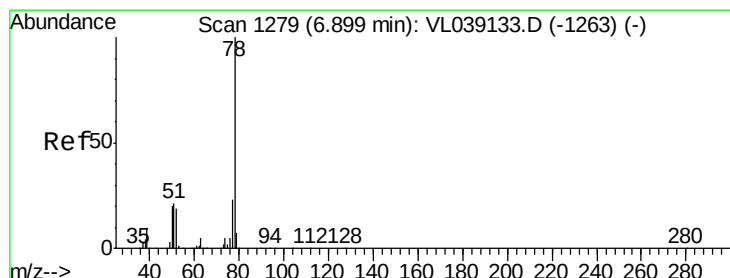
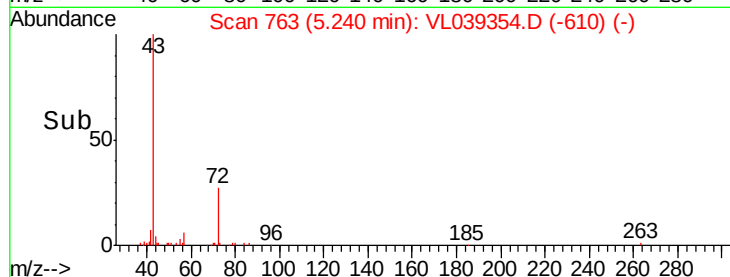
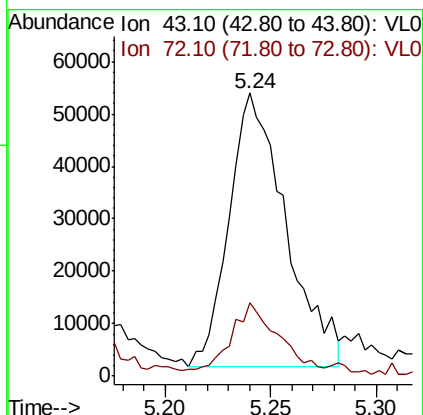
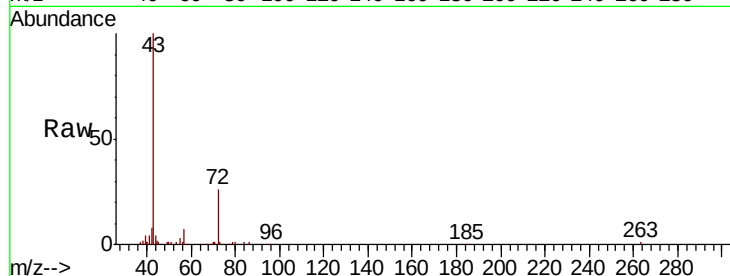
Tgt Ion:	114	Resp:	3046573
Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.7	32.5
88	18.2	14.8	22.2





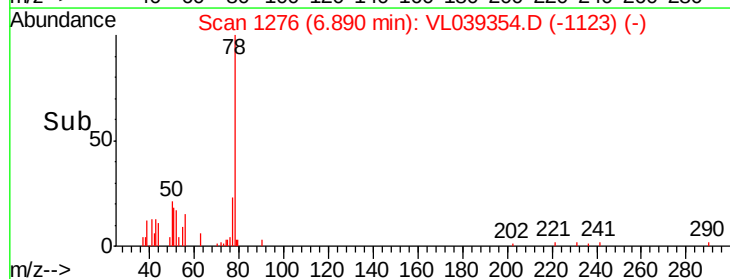
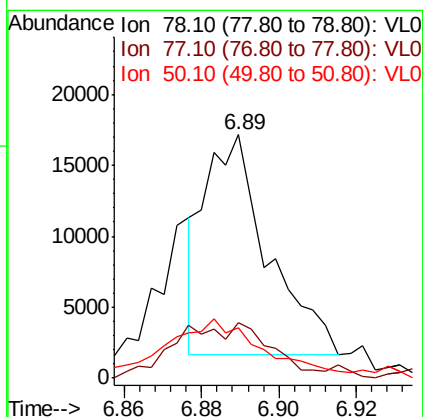
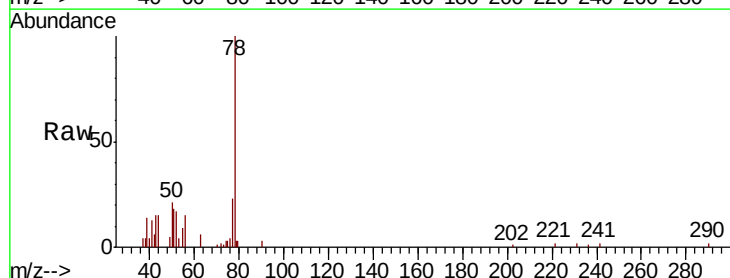
#34
2-Butanone
Concen: 0.589 ppbv
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 23:49

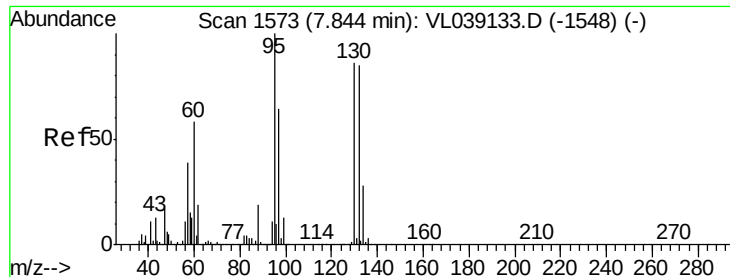
Tot Ion: 43 Resp: 97451
Ion Ratio Lower Upper
43 100
72 28.1 18.2 27.2#



#36
Benzene
Concen: 0.071 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

Tgt Ion: 78 Resp: 17470
Ion Ratio Lower Upper
78 100
77 19.0 18.6 27.8
50 19.7 15.8 23.8





#38

Trichloroethene

Concen: 0.069 ppbv

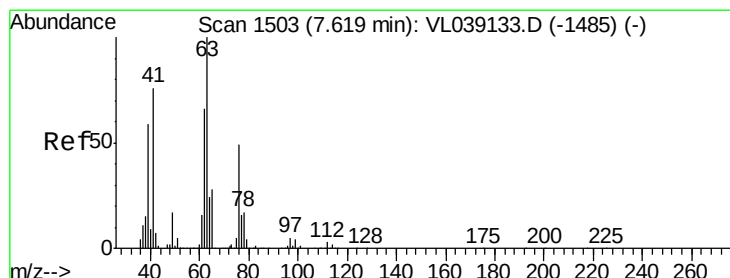
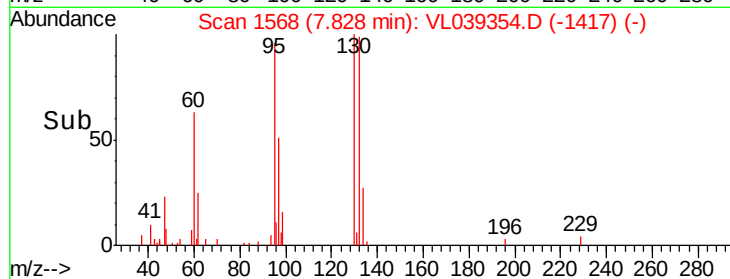
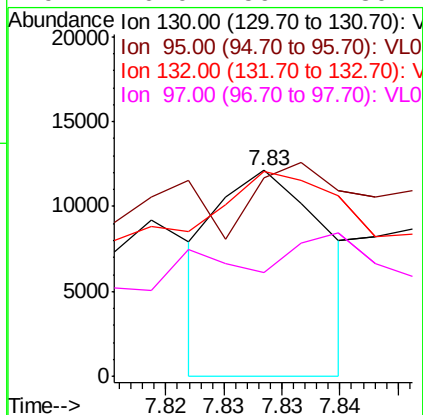
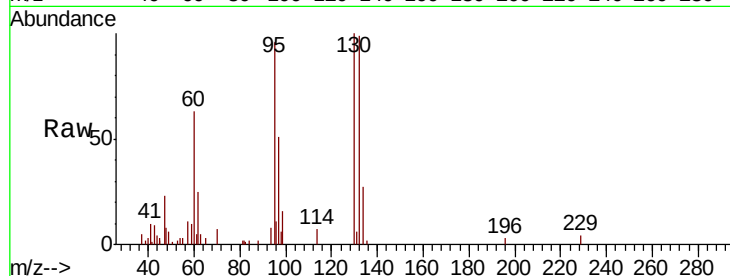
RT: 7.83 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Jun 2022 23:49

Tot Ion:	130	Resp:	7874
Ion	Ratio	Lower	Upper
130	100		
95	18.4	93.3	139.9#
132	83.4	79.0	118.4
97	0.0	59.4	89.2#



#39

1,2-Dichloropropane

Concen: 7.693 ppbv

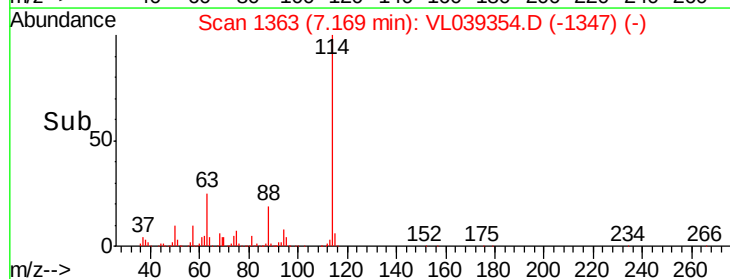
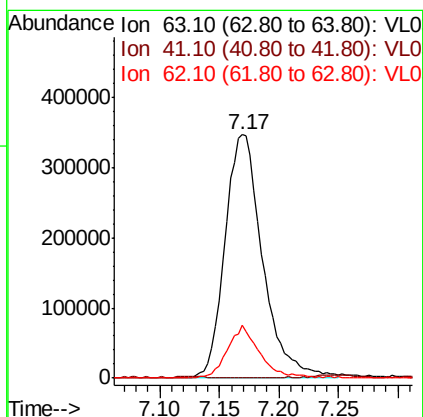
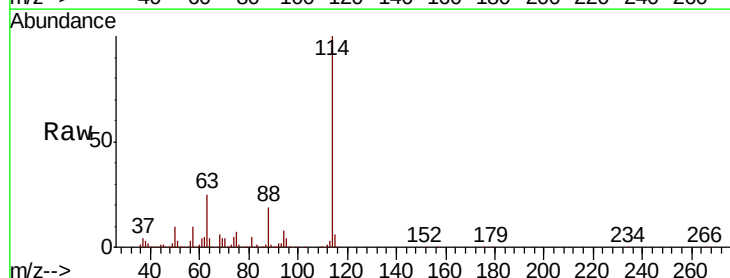
RT: 7.17 min Scan# 1363

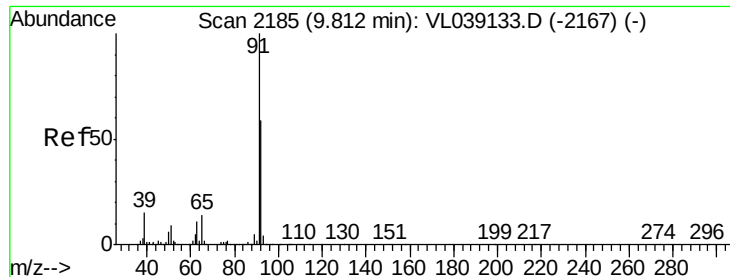
Delta R.T. -0.45 min

Lab File: VL039354.D

Acq: 24 Jun 2022 23:49

Tgt Ion:	63	Resp:	756886
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	21.9	52.9	79.3#





#53

Toluene

Concen: 0.382 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

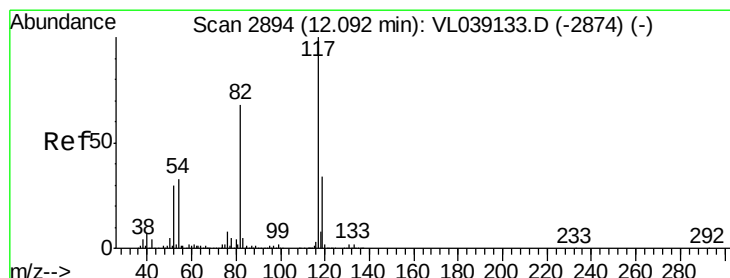
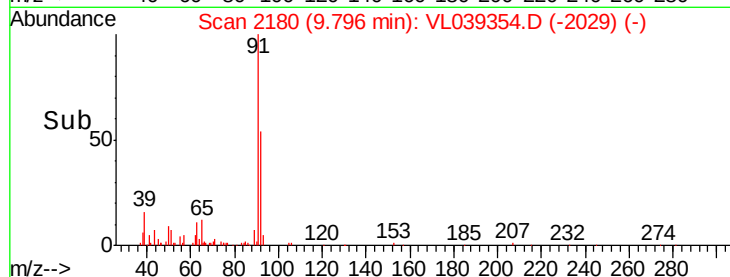
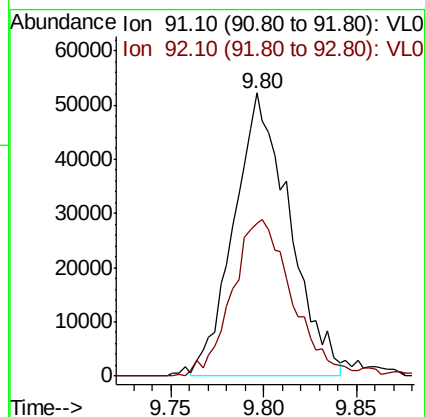
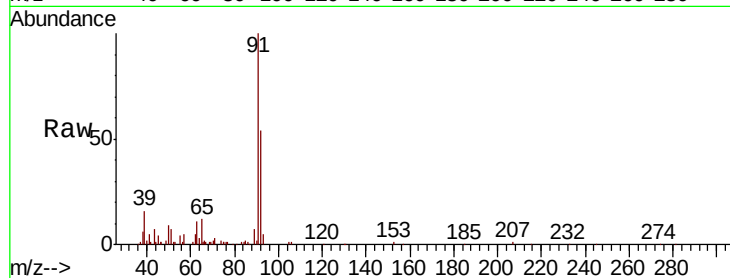
Acq: 24 Jun 2022 23:49

Tot Ion: 91 Resp: 108804

Ion Ratio Lower Upper

91 100

92 61.6 48.1 72.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL039354.D

Acq: 24 Jun 2022 23:49

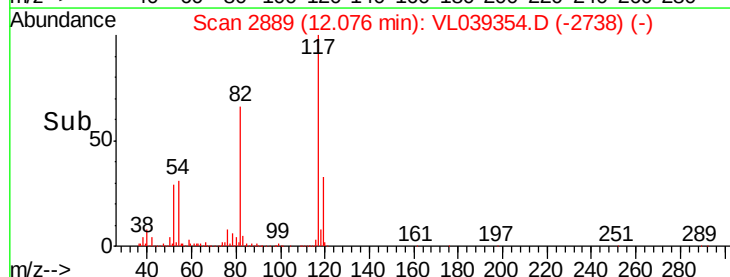
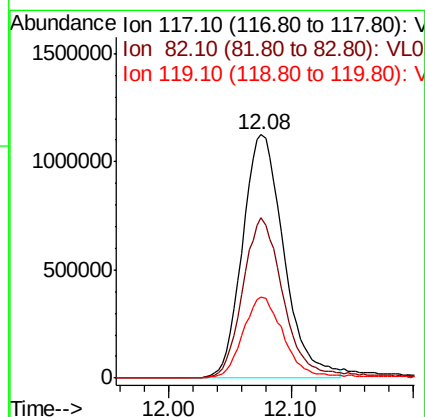
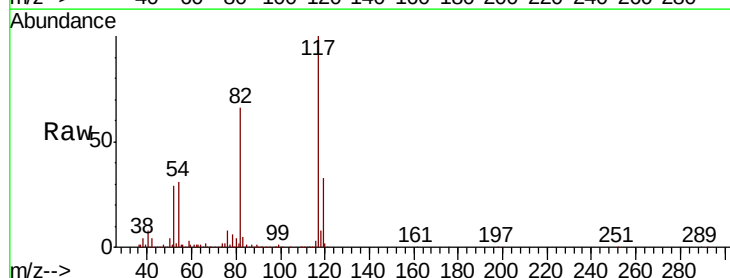
Tgt Ion: 117 Resp: 2637753

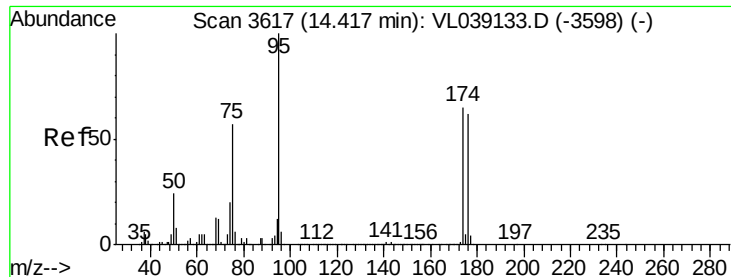
Ion Ratio Lower Upper

117 100

82 67.1 55.1 82.7

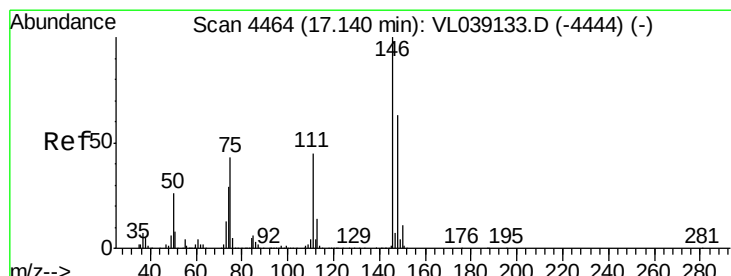
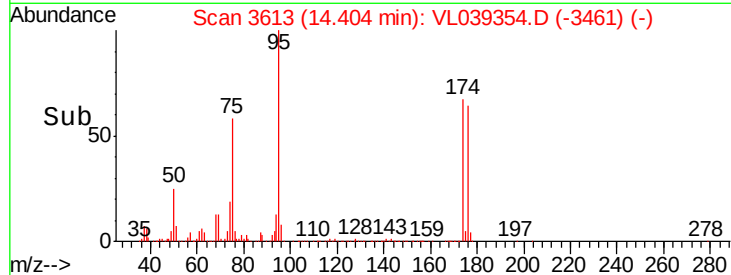
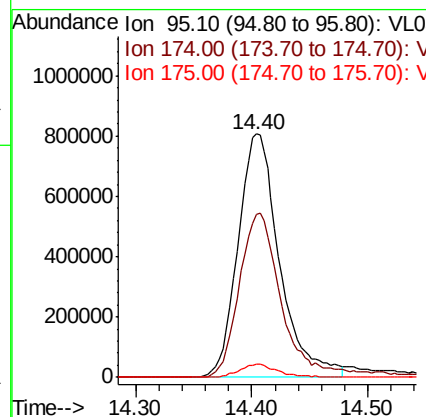
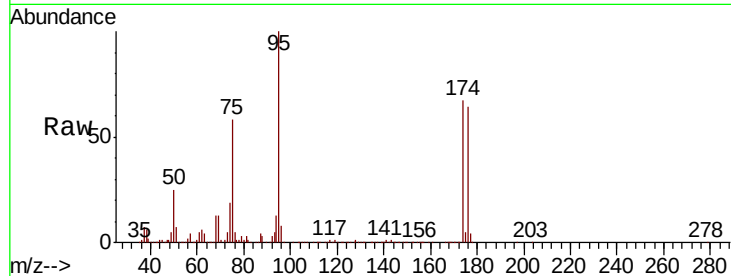
119 34.2 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.163 ppbv
 RT: 14.40 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 Acq: 24 Jun 2022 23:49

Tot Ion: 95 Resp: 1998170
 Ion Ratio Lower Upper
 95 100
 174 72.0 53.8 80.8
 175 5.1 4.1 6.1



#76
 1,4-Dichlorobenzene
 Concen: 0.041 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.02 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

Tgt Ion: 146 Resp: 8276
 Ion Ratio Lower Upper
 146 100
 111 106.3 23.6 71.0#
 148 103.0 33.7 101.0#

