

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039218.D
 Acq On : 7 Jun 2022 20:55
 Operator : SY/AP
 Sample : N3214-13 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 05:01:04 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	5.67	49	767574	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1821308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1515139	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1302947	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	28025	0.208 ppbv	99
3) Chlorodifluoromethane	3.00	51	14706	0.151 ppbv #	87
4) Chloromethane	3.14	50	8856	0.177 ppbv #	77
5) Vinyl Chloride	3.26	62	4523	0.096 ppbv #	65
6) Bromomethane	3.48	94	1070	0.046 ppbv #	4
7) Chloroethane	3.56	64	1733	0.106 ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	22216	0.180 ppbv	91
9) Propene	3.02	41	4809	0.113 ppbv #	15
10) Heptane	8.12	43	3618	0.036 ppbv #	1
11) Trichlorofluoromethane	3.96	101	11112	0.091 ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4051	0.050 ppbv #	1
13) Ethanol	3.61	45	989	0.426 ppbv #	100
14) Bromoethene	3.74	108	5471	0.151 ppbv #	83
15) Acetone	3.87	43	19553	0.245 ppbv #	86
16) 1,3-Butadiene	3.33	39	5689	0.132 ppbv #	67
17) tert-Butyl alcohol	4.32	59	4772	0.077 ppbv #	27
18) 1,1-Dichloroethene	4.29	96	7313	0.202 ppbv #	63
20) Methylene Chloride	4.34	84	10062	0.299 ppbv #	77
21) Allvl Chloride	4.42	41	6710	0.124 ppbv #	65
22) trans-1,2-Dichloroethene	4.90	96	5102	0.146 ppbv #	59
23) Vinyl Acetate	5.08	43	6564	0.099 ppbv #	71
24) 1,1-Dichloroethane	5.01	63	11493	0.127 ppbv #	94
25) Ethyl Acetate	5.68	43	12136	0.067 ppbv #	72
26) Hexane	5.68	57	5768	0.073 ppbv #	1
27) Carbon Disulfide	4.56	76	6029	0.073 ppbv #	14
29) Chloroform	5.76	83	10733	0.081 ppbv	91
30) Cyclohexane	7.13	84	3336	0.050 ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	4589	0.057 ppbv #	71
32) 1,1,1-Trichloroethane	6.51	97	11473	0.088 ppbv #	32
34) 2-Butanone	5.26	43	7928	0.080 ppbv #	53
35) Carbon Tetrachloride	7.02	117	15202	0.114 ppbv #	85
36) Benzene	6.89	78	21018	0.142 ppbv #	94
37) 1,2-Dichloroethane	6.31	62	9221	0.095 ppbv #	84
38) Trichloroethene	7.83	130	6274	0.092 ppbv #	78
39) 1,2-Dichloropropane	7.61	63	5403	0.092 ppbv #	62
42) Bromodichloromethane	7.79	83	8646	0.064 ppbv #	90
43) Methyl Methacrylate	8.01	69	2056	0.036 ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	19594	0.076 ppbv #	43
45) t-1,3-Dichloropropene	9.28	75	1976	0.033 ppbv	92
47) 1,1,2-Trichloroethane	9.47	97	2015	0.033 ppbv #	37
48) Dibromochloromethane	10.30	129	3992	0.036 ppbv #	9

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039218.D
 Acq On : 7 Jun 2022 20:55
 Operator : SY/AP
 Sample : N3214-13 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 05:01:04 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

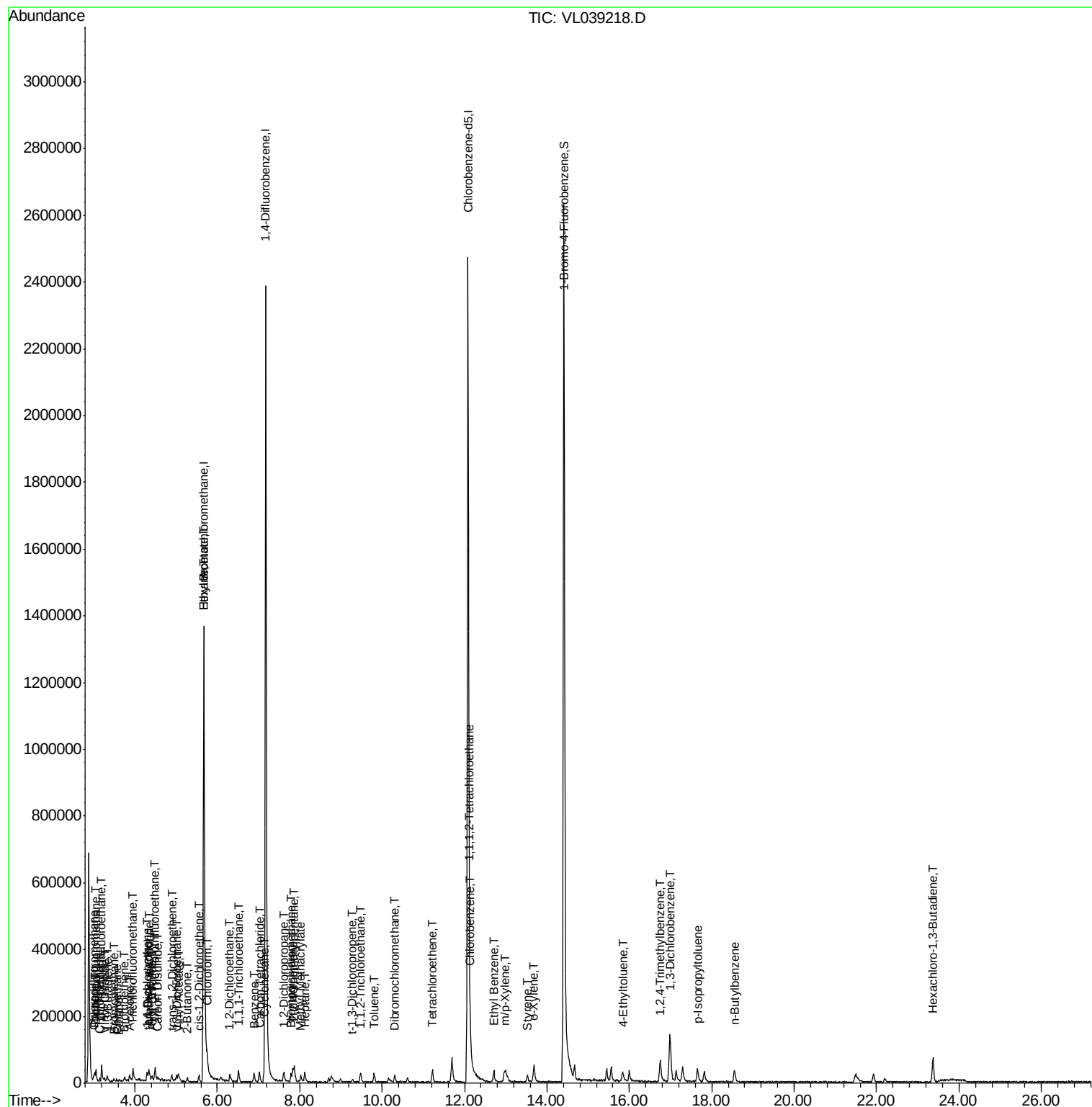
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

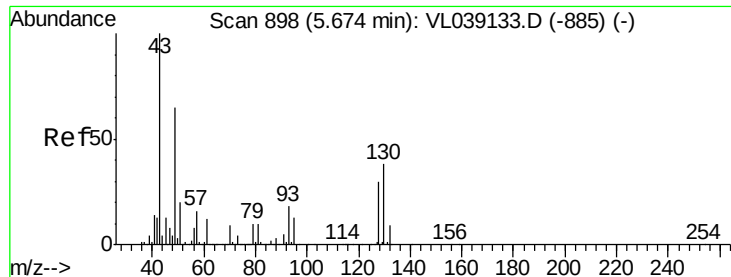
52) Tetrachloroethene	11.21	164	2409	0.042	ppbv #	44
53) Toluene	9.81	91	10564	0.062	ppbv #	27
56) 1,1,1,2-Tetrachloroethane	12.12	131	5144	0.072	ppbv #	12
57) Chlorobenzene	12.14	112	8971	0.079	ppbv #	89
58) Ethyl Benzene	12.71	91	14506	0.070	ppbv	96
59) m/p-Xylene	13.00	91	6705	0.036	ppbv #	1
60) o-Xylene	13.69	91	5913	0.034	ppbv #	1
61) Styrene	13.53	104	4932	0.053	ppbv #	15
69) p-Isopropyltoluene	17.65	119	10216	0.038	ppbv #	47
70) n-Butylbenzene	18.54	91	10801	0.039	ppbv #	25
72) 4-Ethyltoluene	15.83	105	9330	0.046	ppbv #	55
74) 1,2,4-Trimethylbenzene	16.76	105	12860	0.063	ppbv #	64
75) 1,3-Dichlorobenzene	16.99	146	4991	0.043	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.37	225	7825	0.074	ppbv #	3

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
Data File : VL039218.D
Acq On : 7 Jun 2022 20:55
Operator : SY/AP
Sample : N3214-13 0.1 LOD
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 05:01:04 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

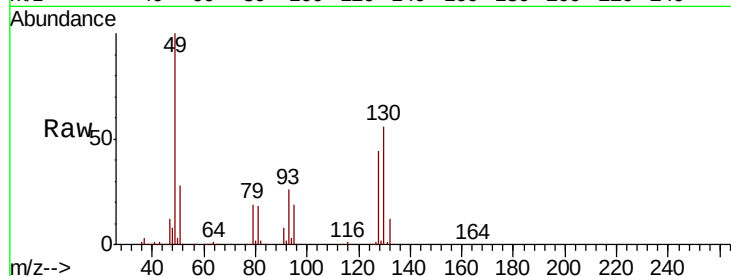
Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tot Ion: 49 Resp: 767574

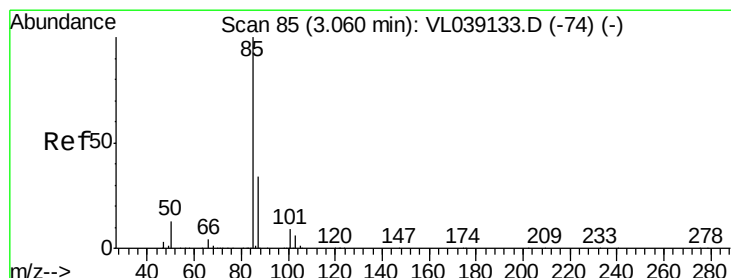
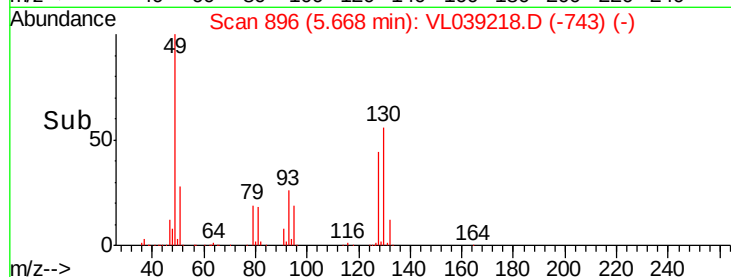
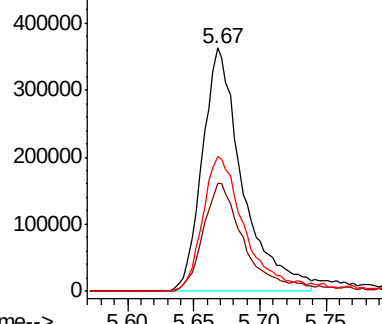
Ion	Ratio	Lower	Upper
49	100		
128	47.7	24.7	74.1
130	60.4	31.4	94.0



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: 0.208 ppbv

RT: 3.05 min Scan# 82

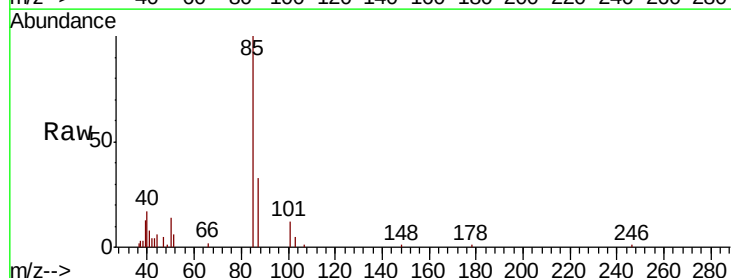
Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

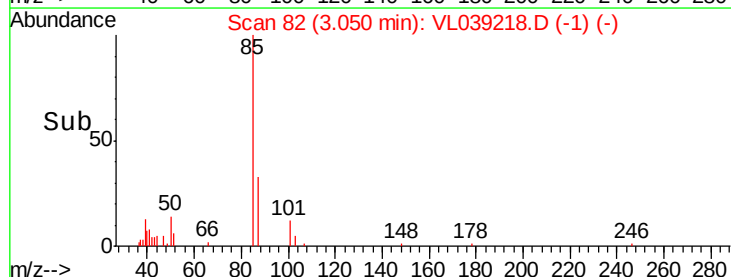
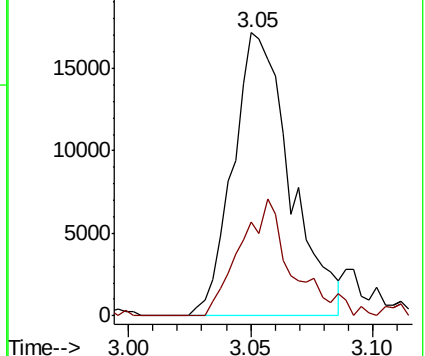
Tgt Ion: 85 Resp: 28025

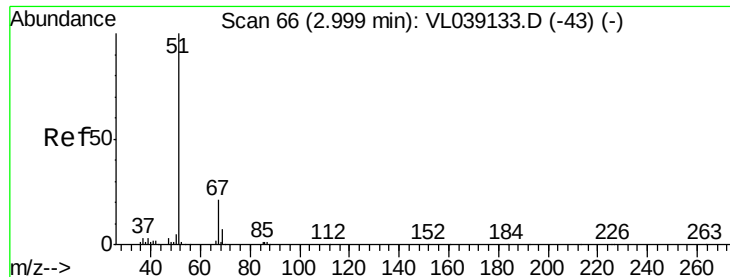
Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.9	40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.151 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL039218.D

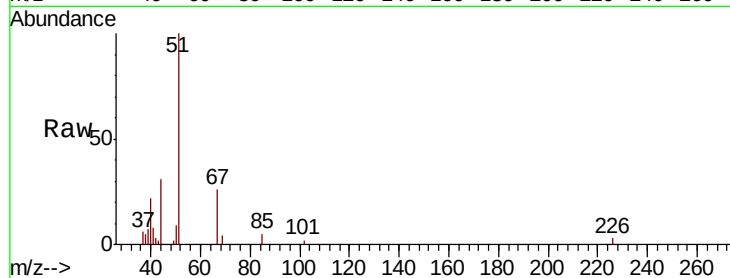
Acq: 7 Jun 2022 20:55

Tot Ion: 51 Resp: 14706

Ion Ratio Lower Upper

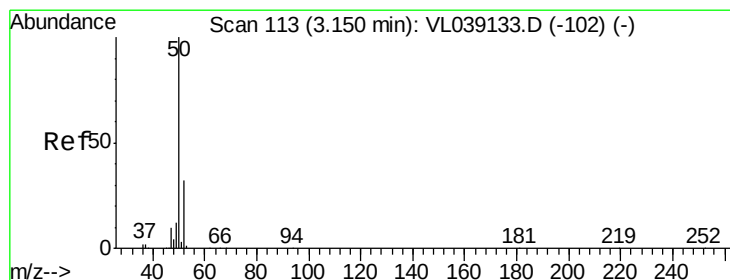
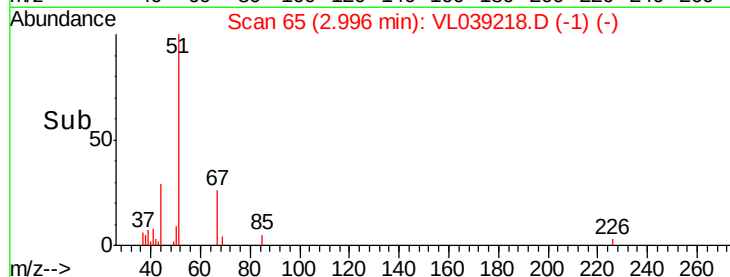
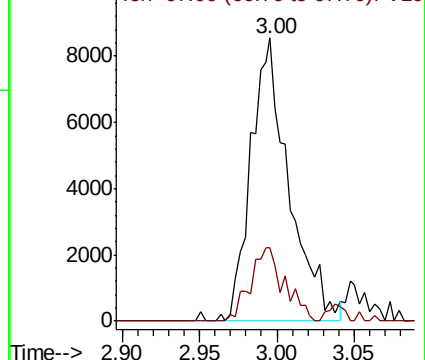
51 100

67 26.4 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.177 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL039218.D

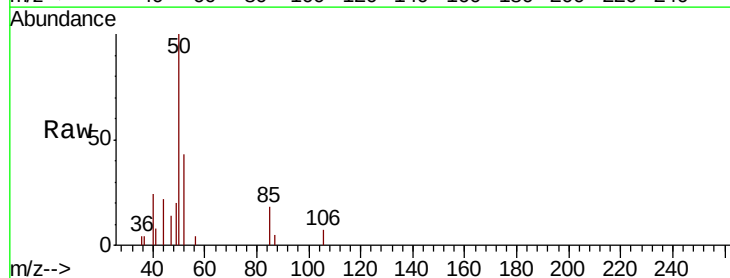
Acq: 7 Jun 2022 20:55

Tgt Ion: 50 Resp: 8856

Ion Ratio Lower Upper

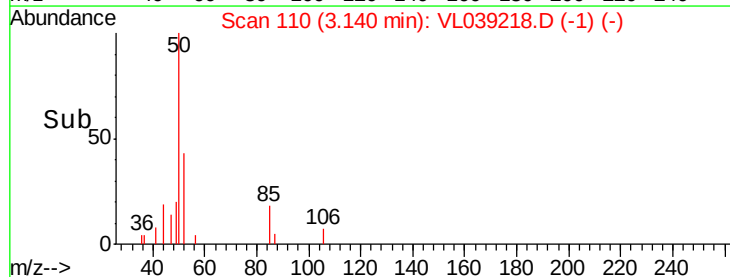
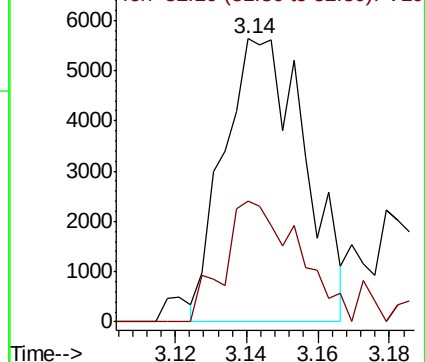
50 100

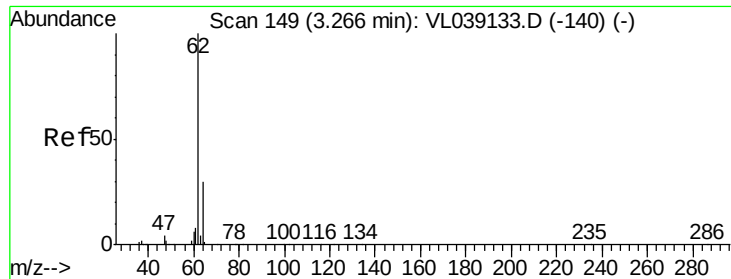
52 45.5 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.096 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL039218.D

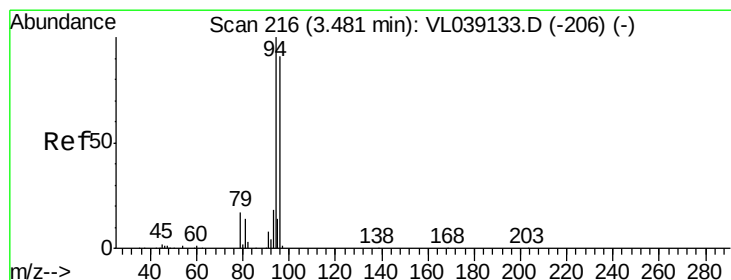
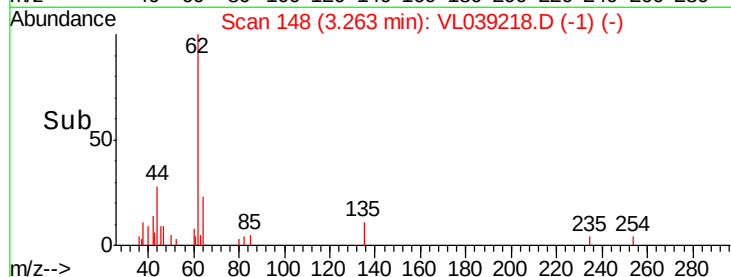
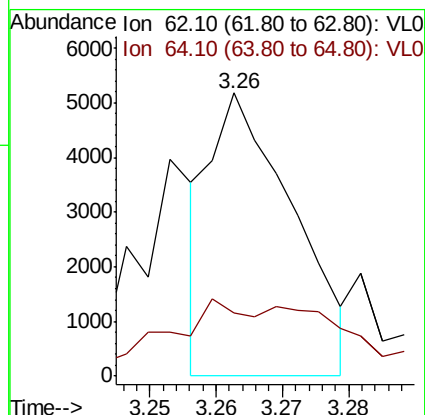
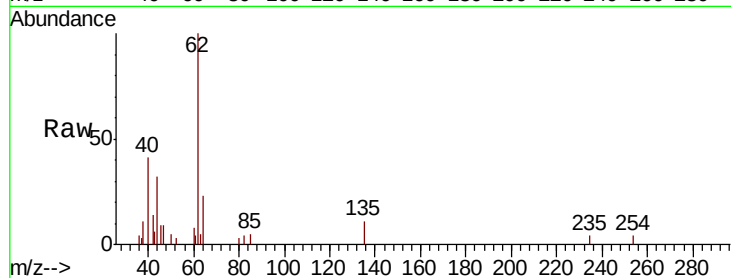
Acq: 7 Jun 2022 20:55

Tot Ion: 62 Resp: 4523

Ion Ratio Lower Upper

62 100

64 11.3 24.2 36.2#



#6

Bromomethane

Concen: 0.046 ppbv

RT: 3.48 min Scan# 216

Delta R.T. -0.00 min

Lab File: VL039218.D

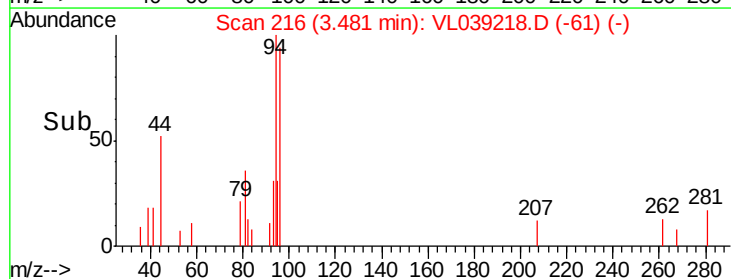
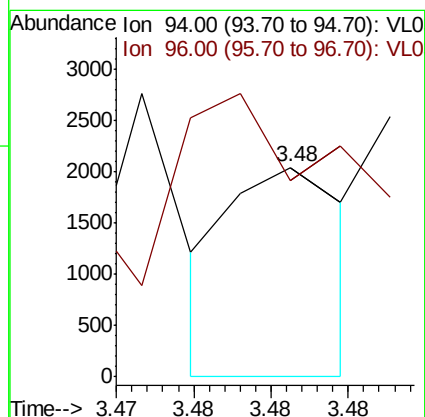
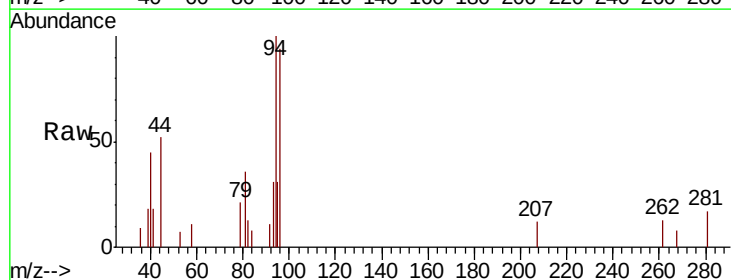
Acq: 7 Jun 2022 20:55

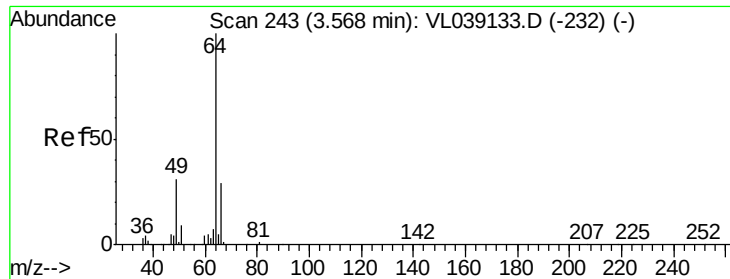
Tgt Ion: 94 Resp: 1070

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#





#7

Chloroethane

Concen: 0.106 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL039218.D

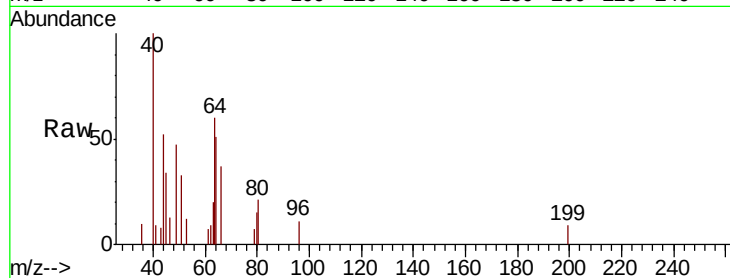
Acq: 7 Jun 2022 20:55

Tot Ion: 64 Resp: 1733

Ion Ratio Lower Upper

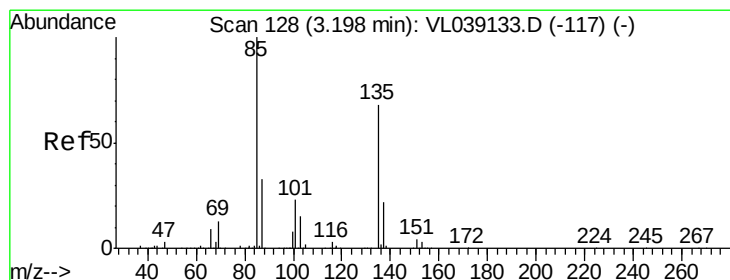
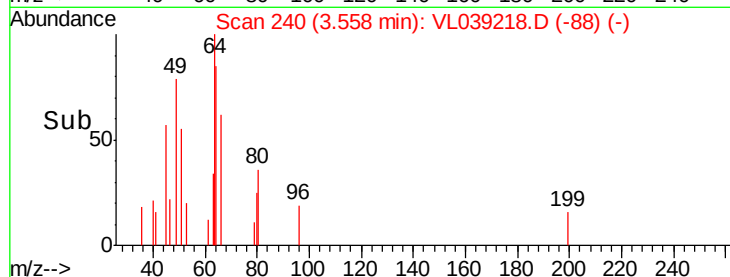
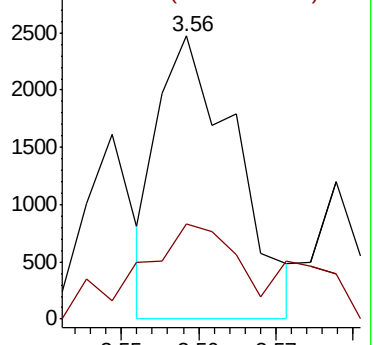
64 100

66 33.6 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.180 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.01 min

Lab File: VL039218.D

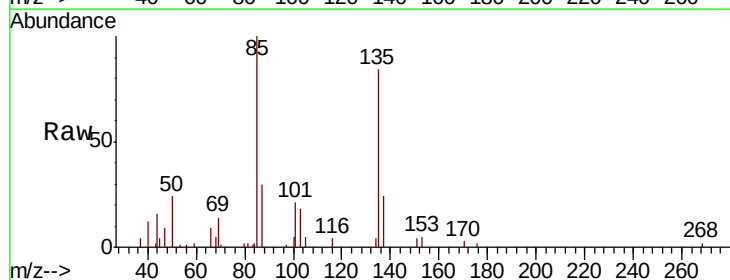
Acq: 7 Jun 2022 20:55

Tgt Ion: 85 Resp: 22216

Ion Ratio Lower Upper

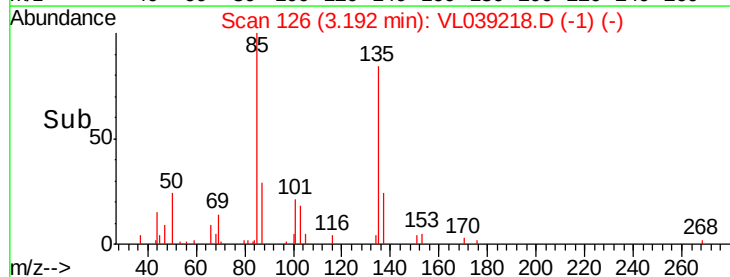
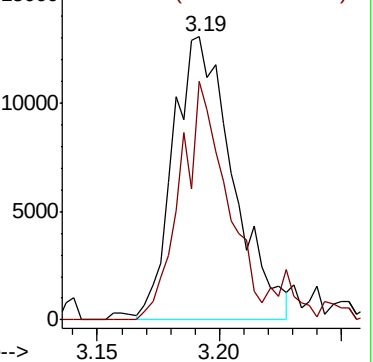
85 100

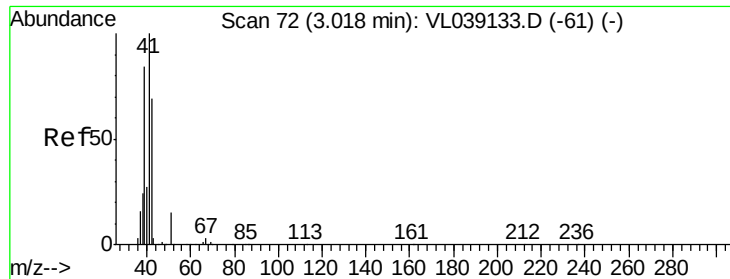
135 75.6 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.113 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL039218.D

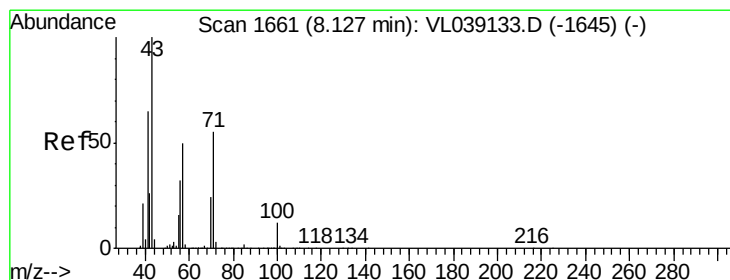
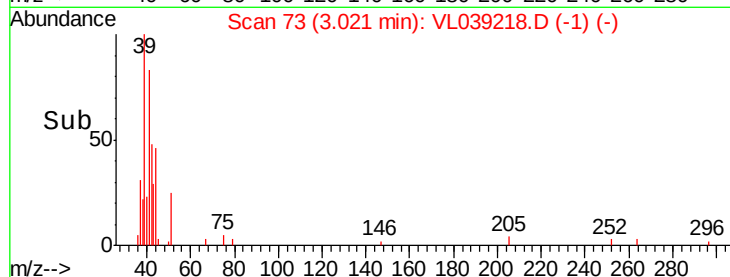
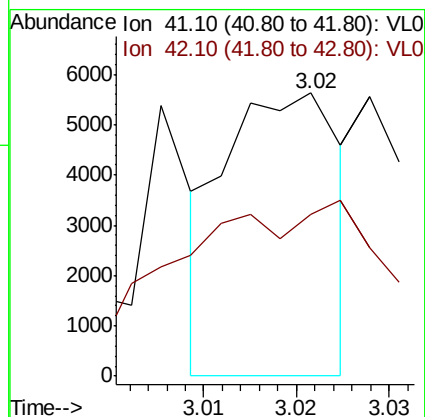
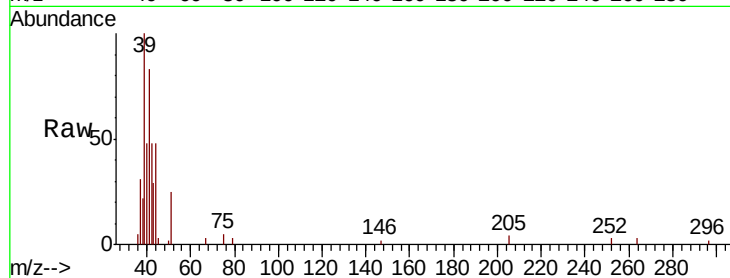
Acq: 7 Jun 2022 20:55

Tot Ion: 41 Resp: 4809

Ion Ratio Lower Upper

41 100

42 0.0 55.4 83.2#



#10

Heptane

Concen: 0.036 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL039218.D

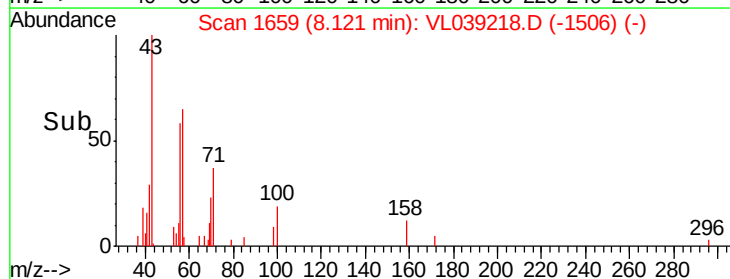
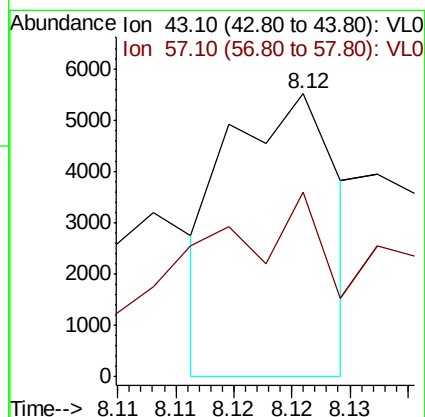
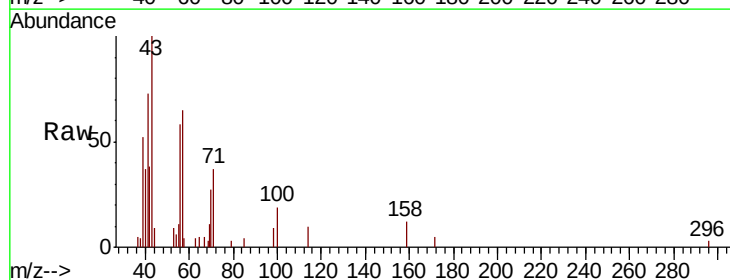
Acq: 7 Jun 2022 20:55

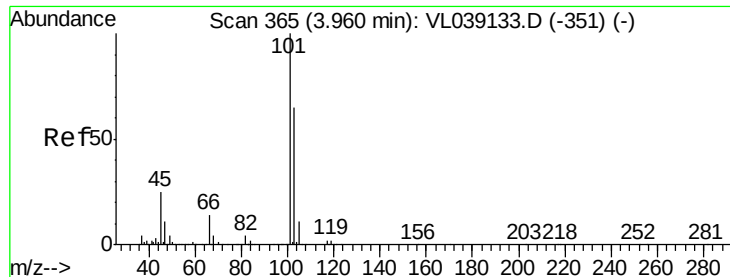
Tgt Ion: 43 Resp: 3618

Ion Ratio Lower Upper

43 100

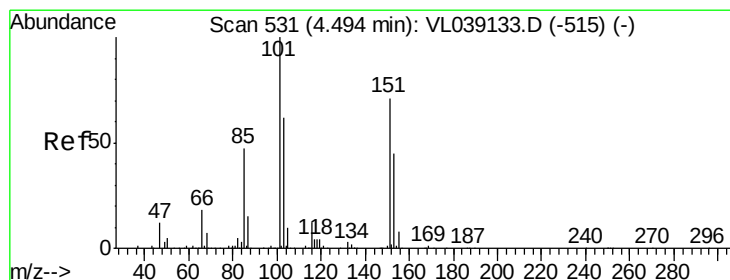
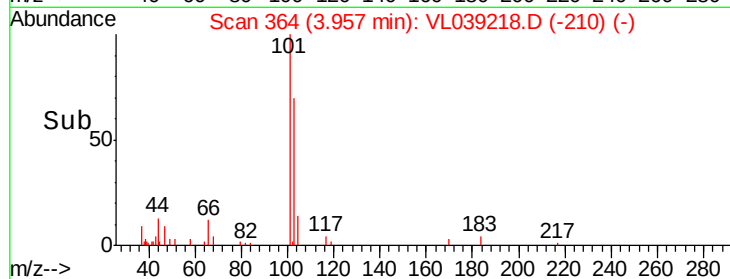
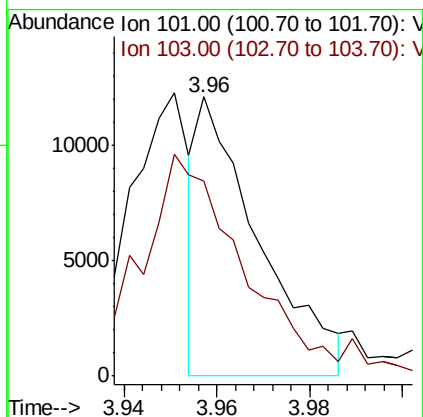
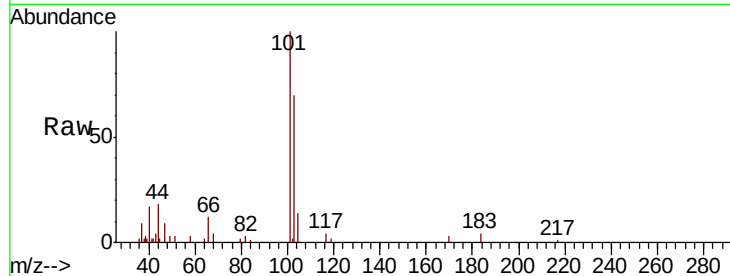
57 170.2 41.4 62.2#





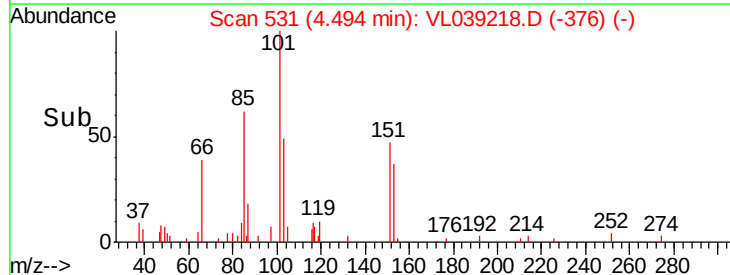
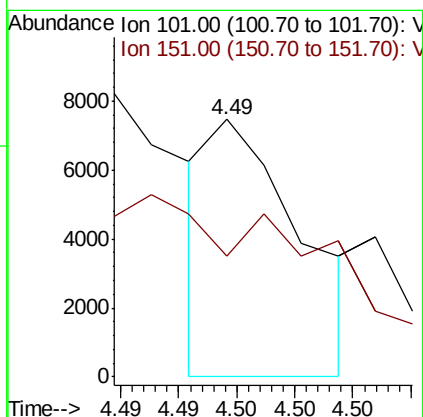
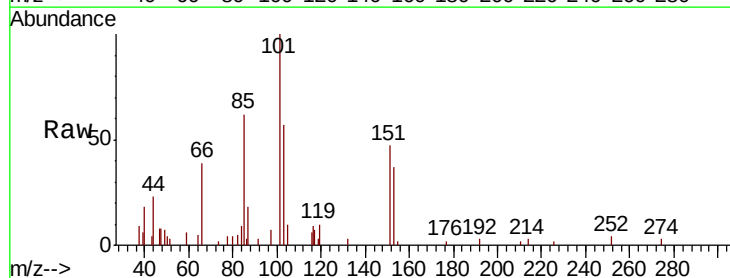
#11
 Trichlorofluoromethane
 Concen: 0.091 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

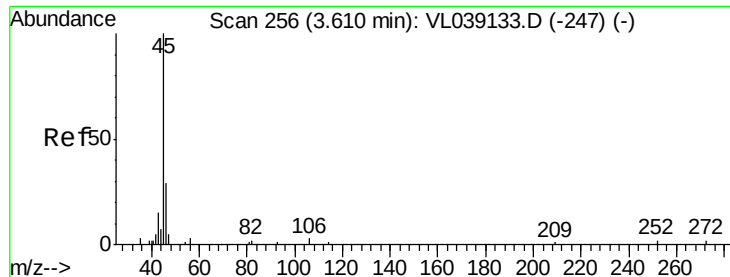
Tot Ion:101 Resp: 11112
 Ion Ratio Lower Upper
 101 100
 103 76.5 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.050 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

Tgt Ion:101 Resp: 4051
 Ion Ratio Lower Upper
 101 100
 151 245.5 59.4 89.0#





#13

Ethanol

Concen: 0.426 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL039218.D

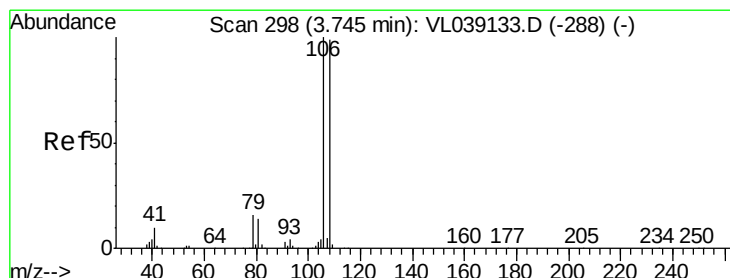
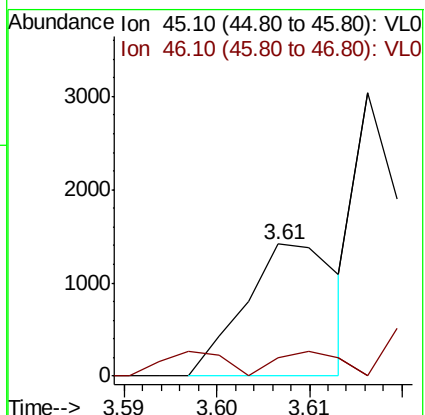
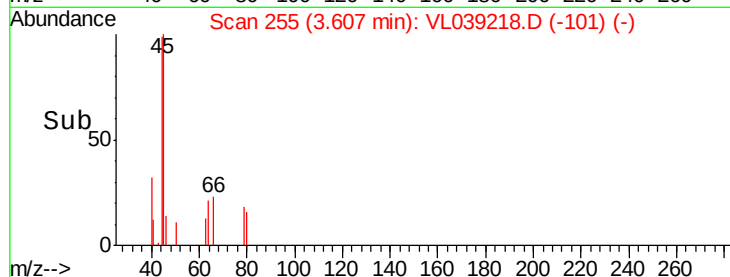
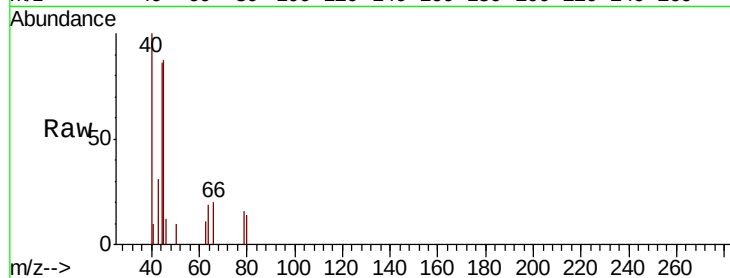
Acq: 7 Jun 2022 20:55

Tot Ion: 45 Resp: 989

Ion Ratio Lower Upper

45 100

46 0.0 0.0 0.0



#14

Bromoethene

Concen: 0.151 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

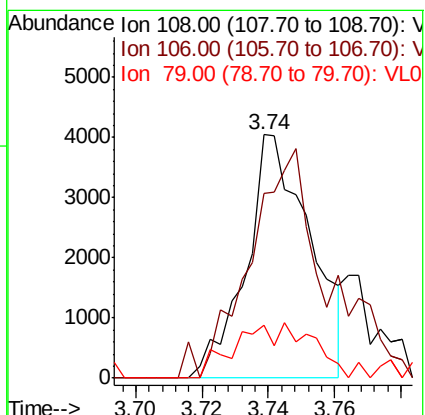
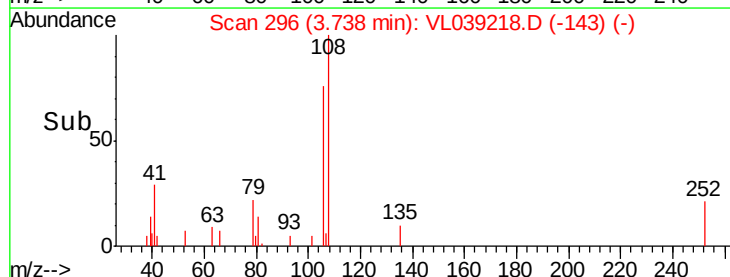
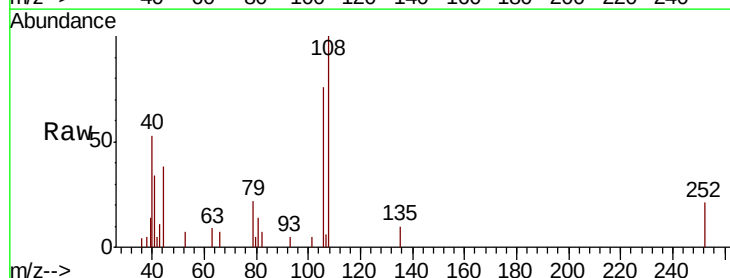
Tgt Ion: 108 Resp: 5471

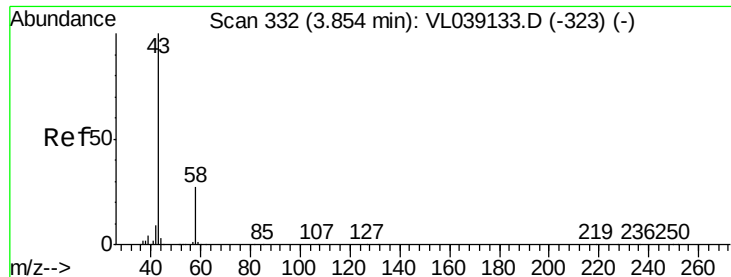
Ion Ratio Lower Upper

108 100

106 126.2 88.4 132.6

79 29.6 13.4 20.2#





#15

Acetone

Concen: 0.245 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL039218.D

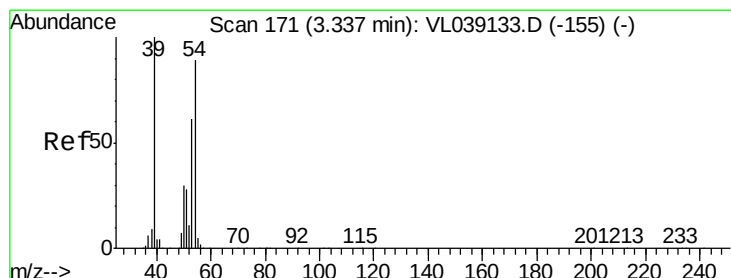
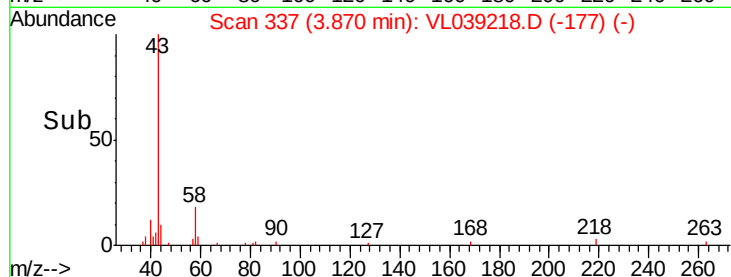
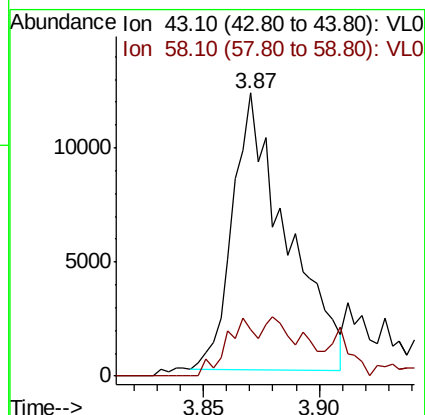
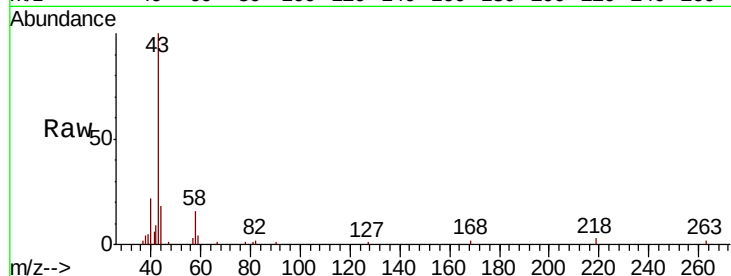
Acq: 7 Jun 2022 20:55

Tot Ion: 43 Resp: 19553

Ion Ratio Lower Upper

43 100

58 35.6 22.5 33.7#



#16

1,3-Butadiene

Concen: 0.132 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.01 min

Lab File: VL039218.D

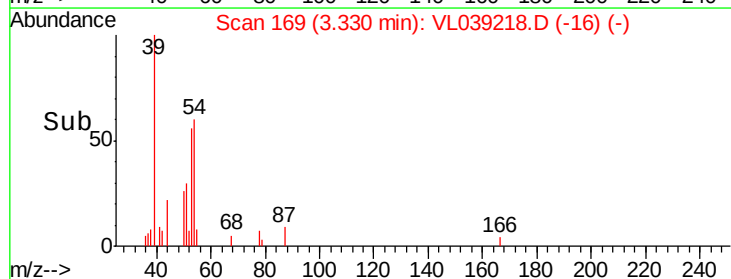
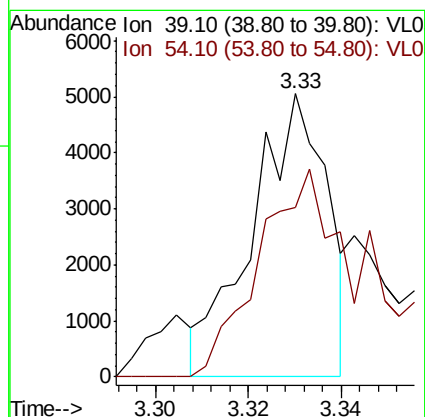
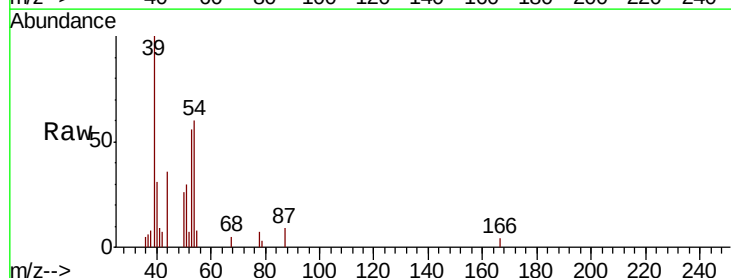
Acq: 7 Jun 2022 20:55

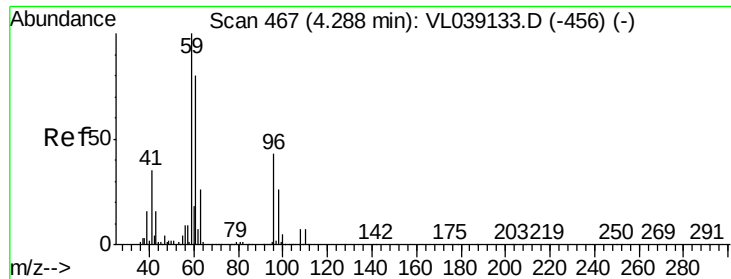
Tgt Ion: 39 Resp: 5689

Ion Ratio Lower Upper

39 100

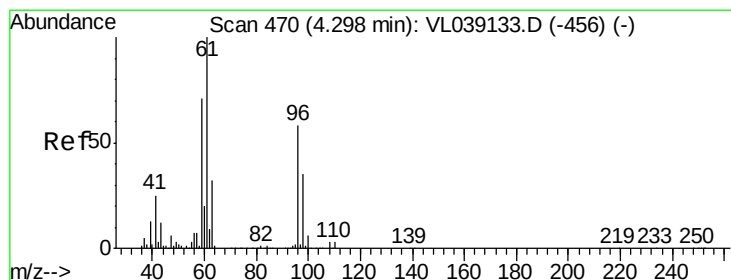
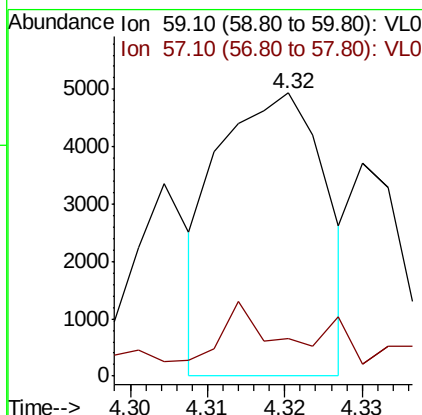
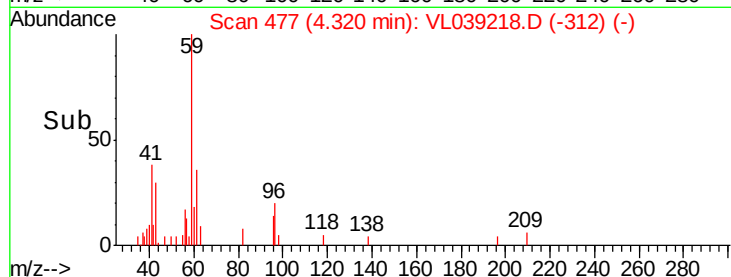
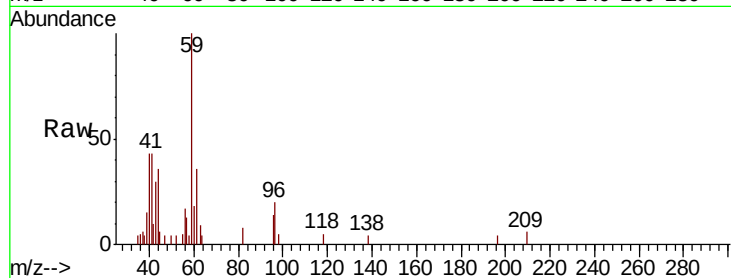
54 111.6 65.8 98.6#





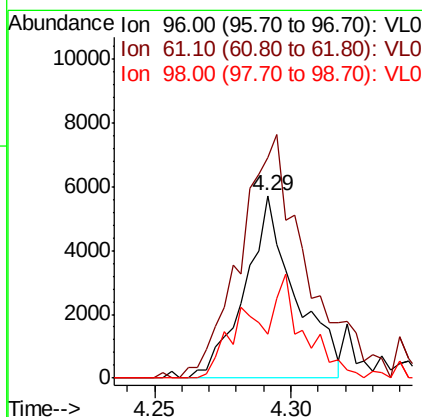
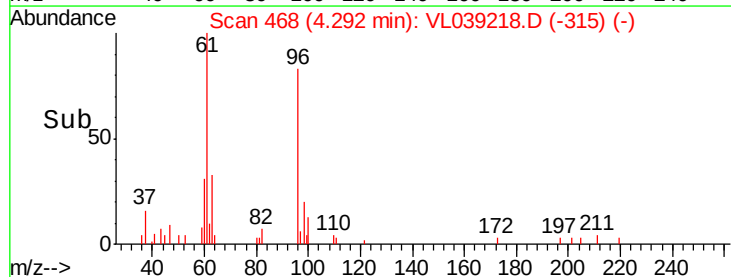
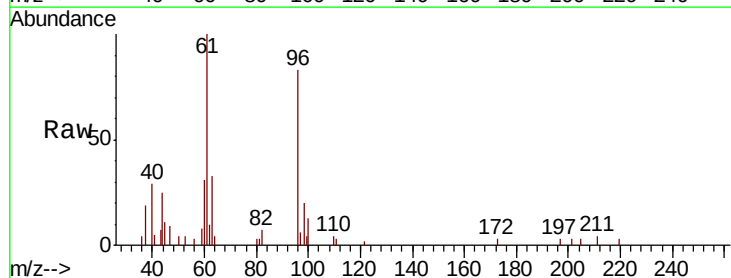
#17
tert-Butyl alcohol
Concen: 0.077 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

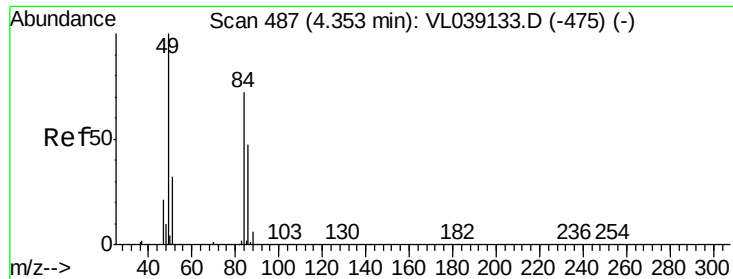
Tot Ion: 59 Resp: 4772
Ion Ratio Lower Upper
59 100
57 39.4 9.1 13.7#



#18
1,1-Dichloroethene
Concen: 0.202 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

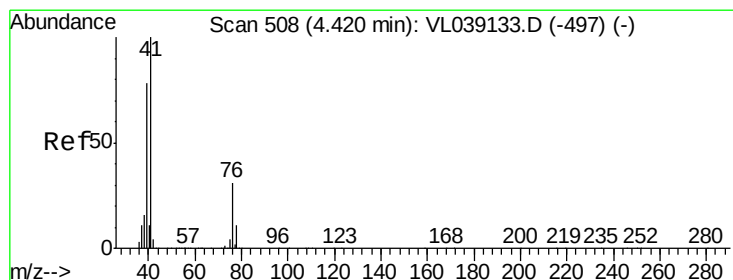
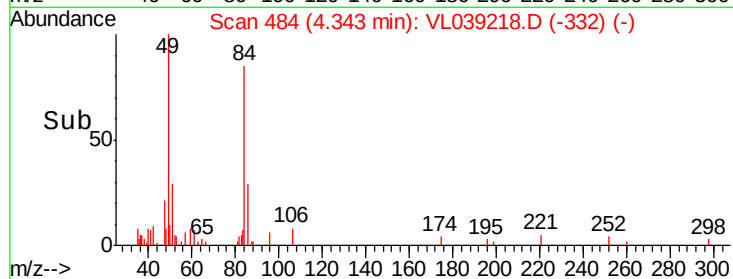
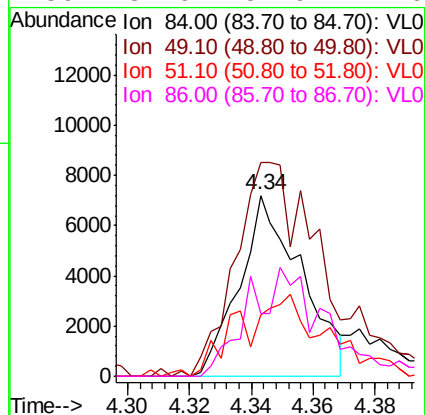
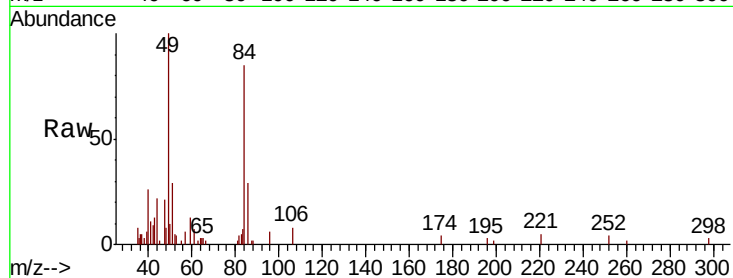
Tgt Ion: 96 Resp: 7313
Ion Ratio Lower Upper
96 100
61 127.1 138.4 207.6#
98 23.8 47.8 71.8#





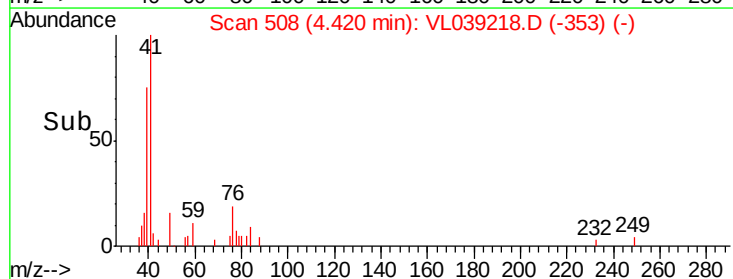
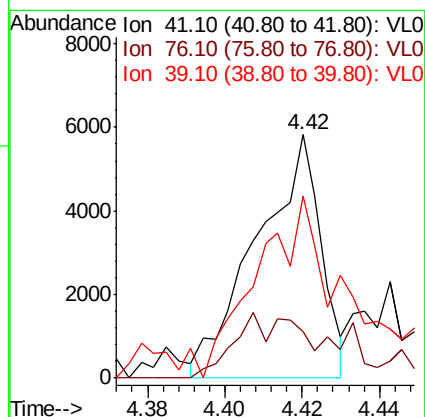
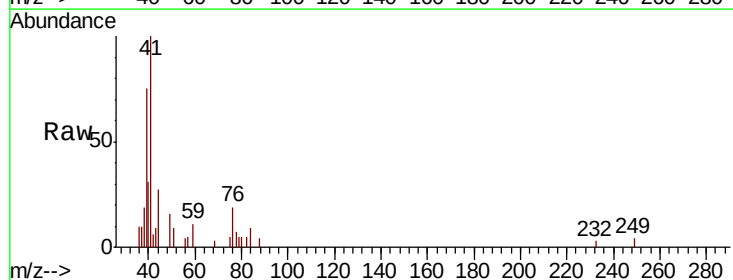
#20
Methylene Chloride
Concen: 0.299 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

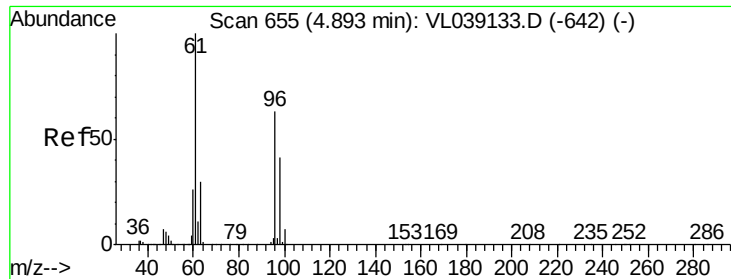
Tot Ion:	84	Resp:	10062
Ion	Ratio	Lower	Upper
84	100		
49	118.0	111.1	166.7
51	33.9	35.3	52.9#
86	34.6	51.9	77.9#



#21
Allyl Chloride
Concen: 0.124 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

Tgt Ion:	41	Resp:	6710
Ion	Ratio	Lower	Upper
41	100		
76	42.5	24.2	36.2#
39	111.9	62.2	93.2#





#22

trans-1,2-Dichloroethene

Concen: 0.146 ppbv

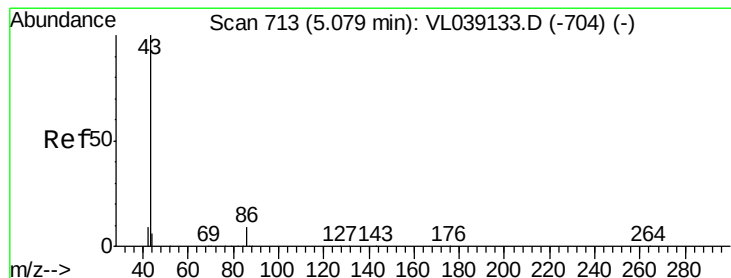
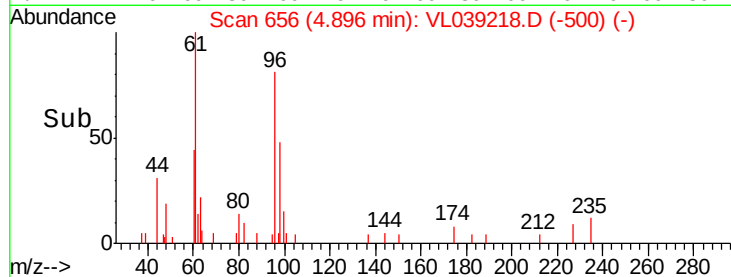
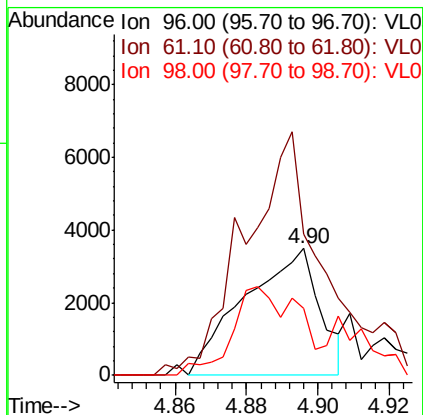
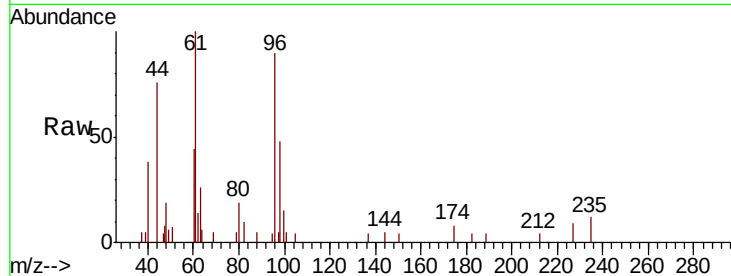
RT: 4.90 min Scan# 656

Delta R.T. 0.00 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tot Ion:	96	Resp:	5102
Ion	Ratio	Lower	Upper
96	100		
61	96.6	126.6	190.0#
98	43.7	52.5	78.7#



#23

Vinyl Acetate

Concen: 0.099 ppbv

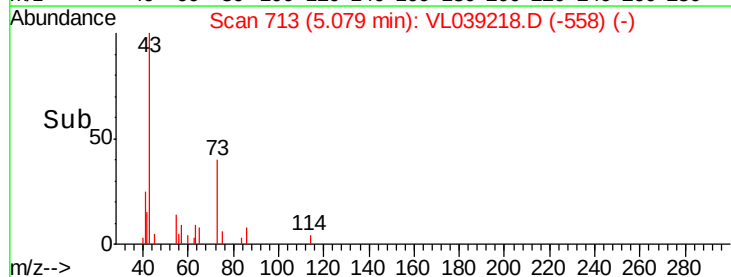
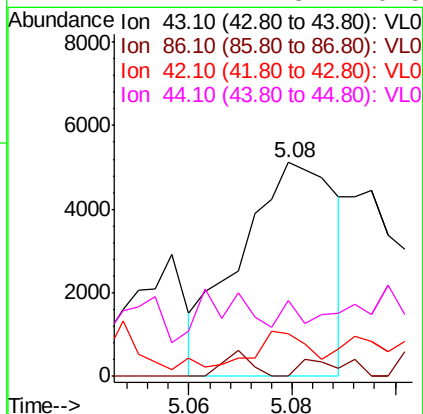
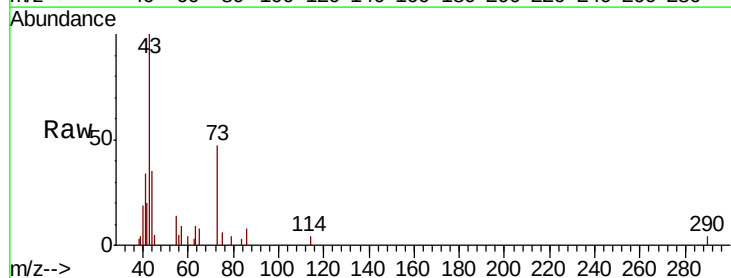
RT: 5.08 min Scan# 713

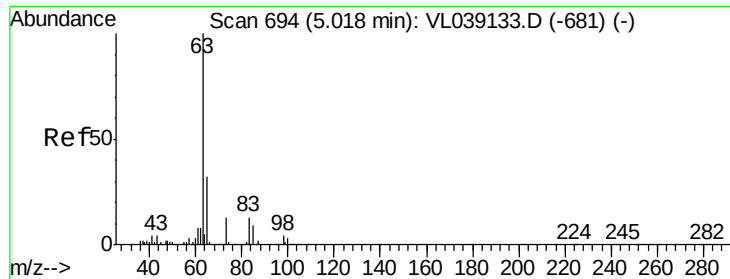
Delta R.T. -0.00 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tgt Ion:	43	Resp:	6564
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	16.1	8.2	12.4#
44	27.4	4.3	6.5#





#24

1,1-Dichloroethane

Concen: 0.127 ppbv

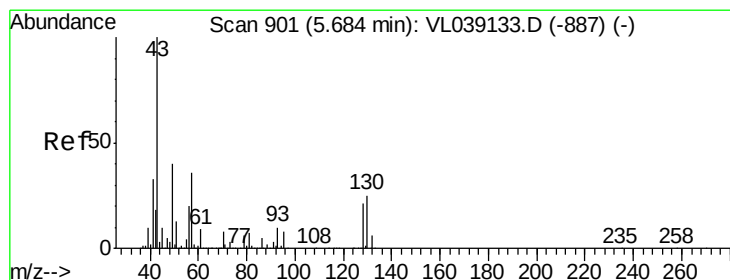
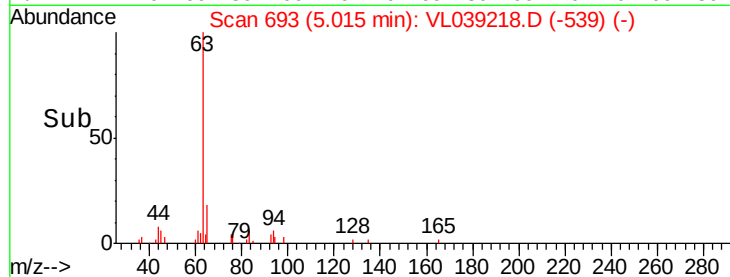
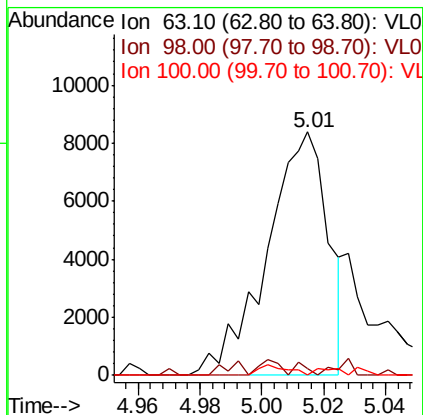
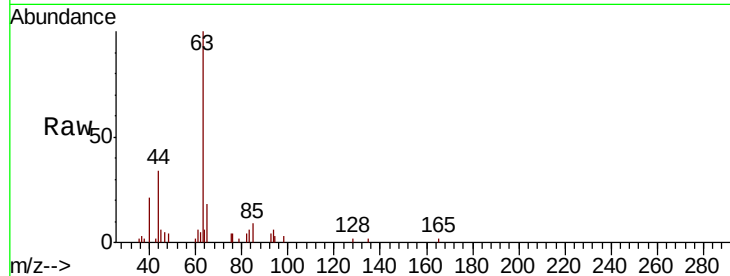
RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tot Ion:	63	Resp:	11493
Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.1	6.2
100	0.0	1.5	4.5#



#25

Ethyl Acetate

Concen: 0.067 ppbv

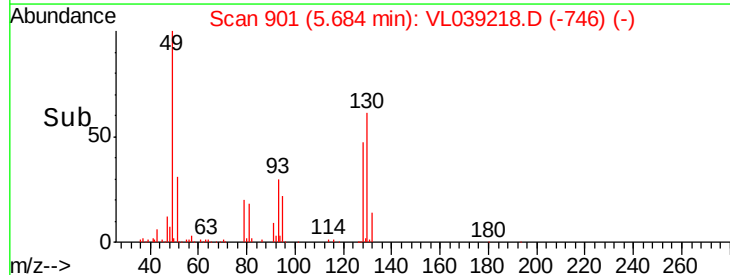
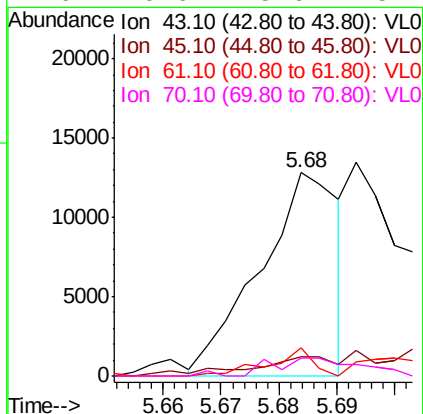
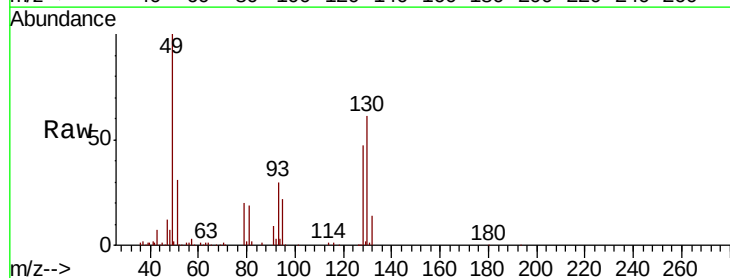
RT: 5.68 min Scan# 901

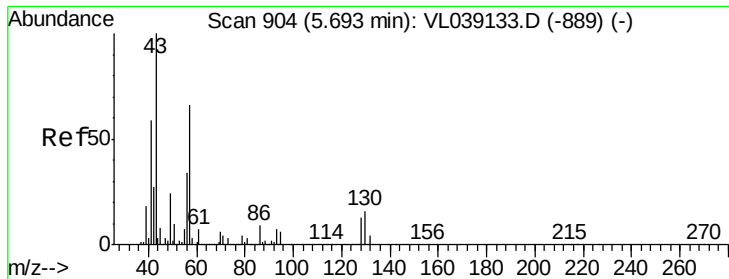
Delta R.T. -0.00 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tgt Ion:	43	Resp:	12136
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	21.2	8.4	12.6#
70	16.6	5.6	8.4#





#26

Hexane

Concen: 0.073 ppbv

RT: 5.68 min Scan# 901

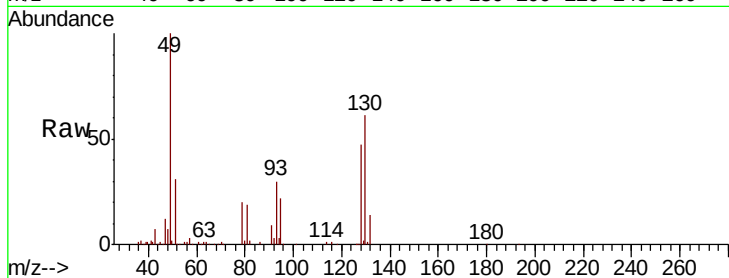
Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tot Ion: 57 Resp: 5768

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.4	108.6#
43	0.0	187.0	280.6#
56	0.0	41.8	62.6#



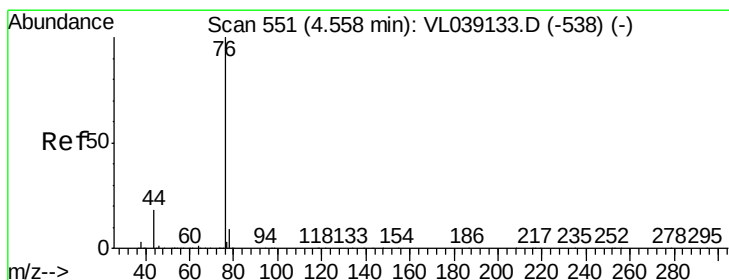
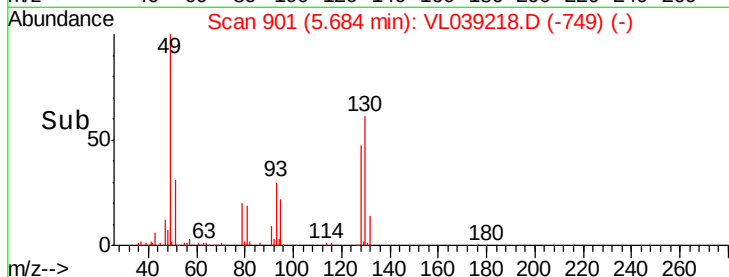
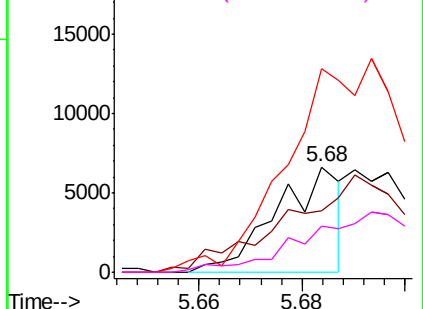
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.073 ppbv

RT: 4.56 min Scan# 550

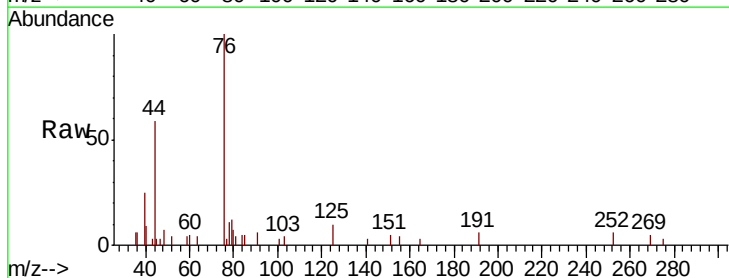
Delta R.T. -0.00 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tgt Ion: 76 Resp: 6029

Ion	Ratio	Lower	Upper
76	100		
44	69.7	14.4	21.6#
78	19.5	7.7	11.5#

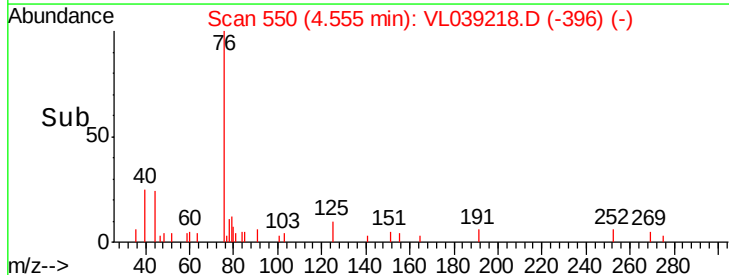
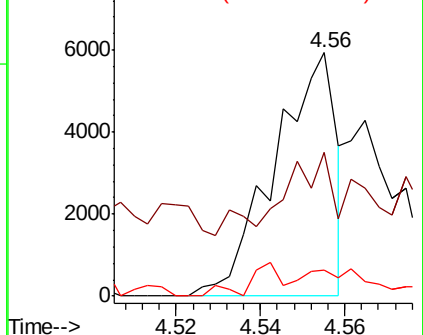


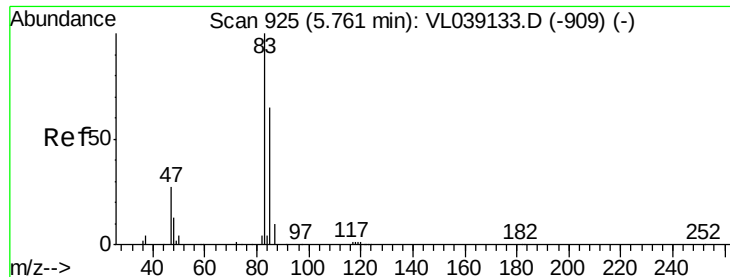
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

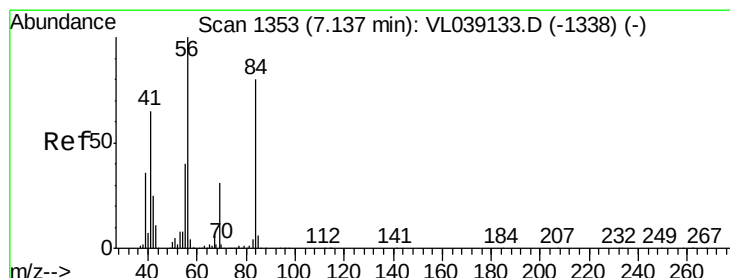
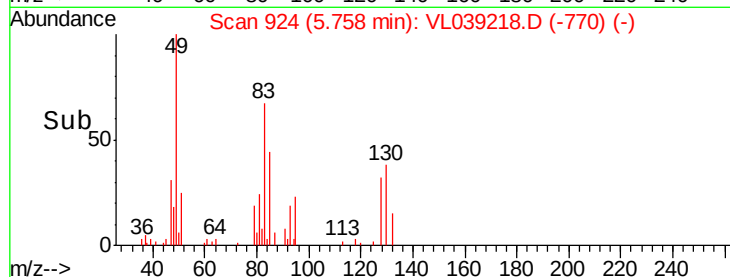
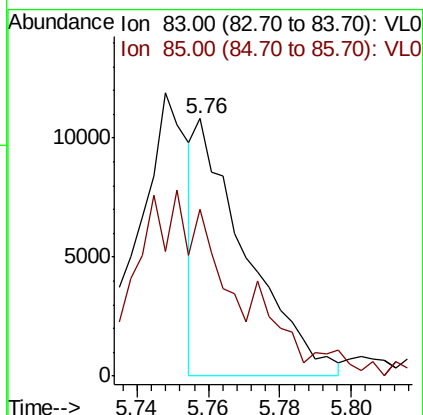
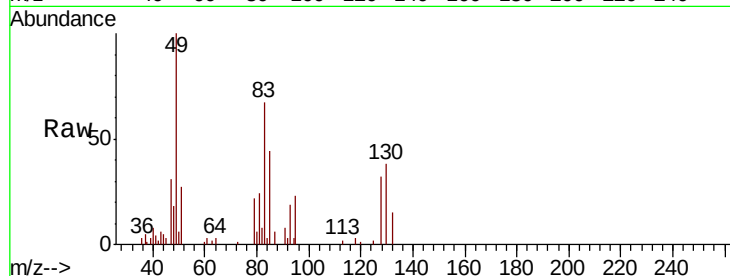
Ion 78.00 (77.70 to 78.70): VL0





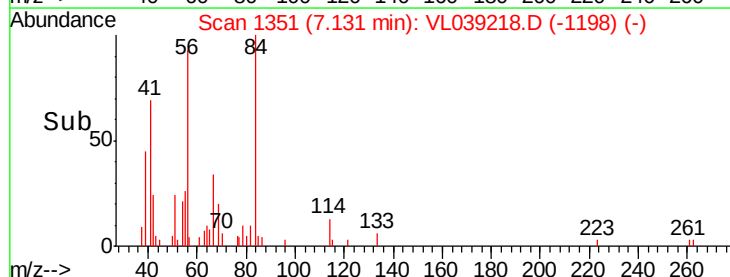
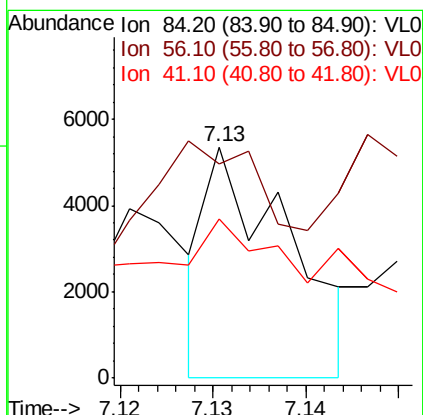
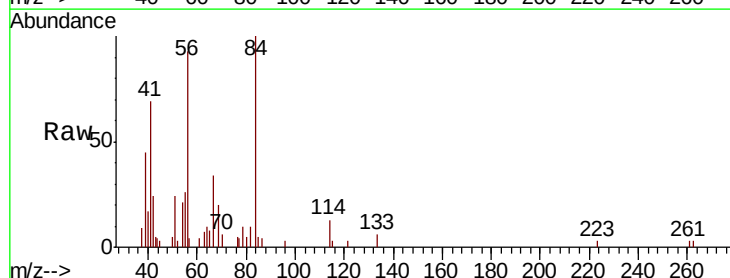
#29
Chloroform
Concen: 0.081 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

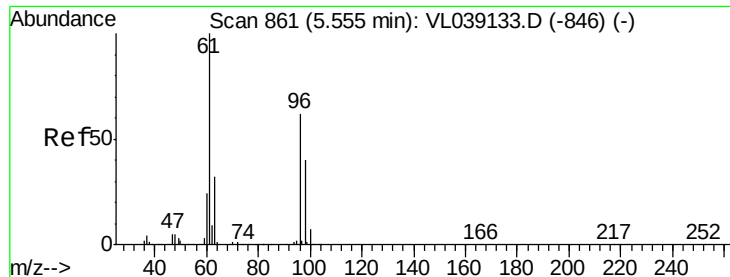
Tot Ion: 83 Resp: 10733
Ion Ratio Lower Upper
83 100
85 58.0 52.4 78.6



#30
Cyclohexane
Concen: 0.050 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

Tgt Ion: 84 Resp: 3336
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 258.8 68.9 103.3#





#31

cis-1,2-Dichloroethene

Concen: 0.057 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

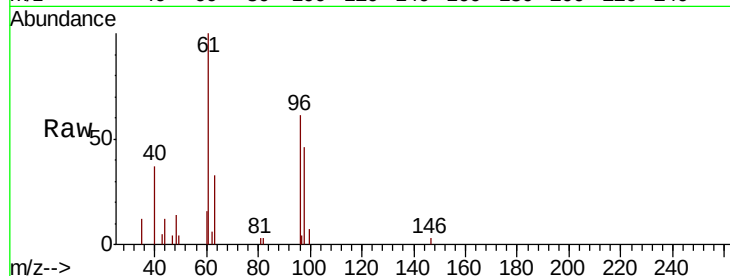
Tot Ion: 61 Resp: 4589

Ion Ratio Lower Upper

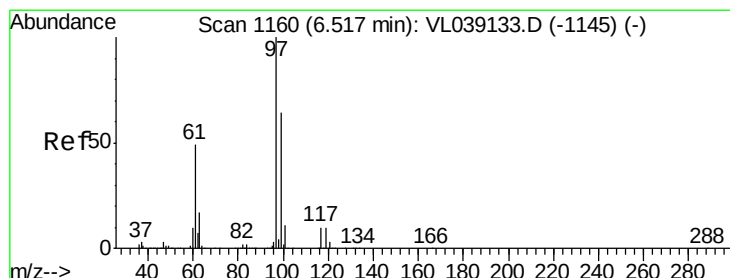
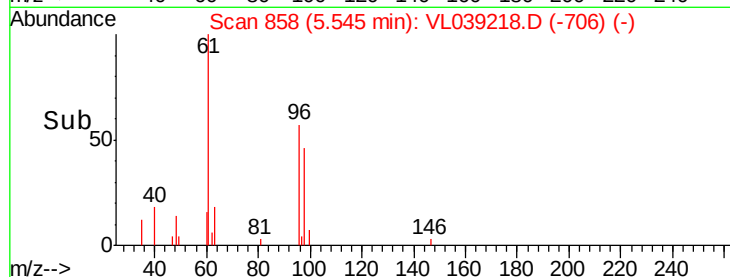
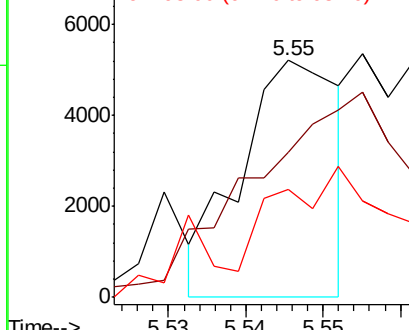
61 100

96 46.6 49.9 74.9#

98 14.4 32.0 48.0#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.088 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

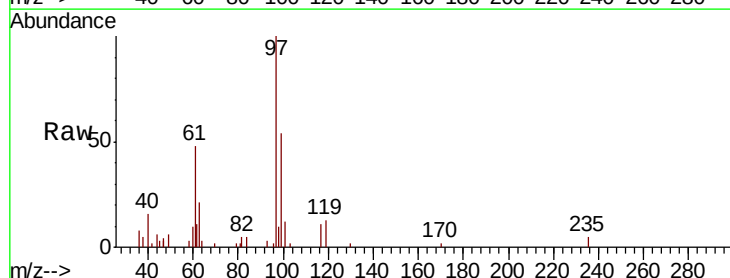
Tgt Ion: 97 Resp: 11473

Ion Ratio Lower Upper

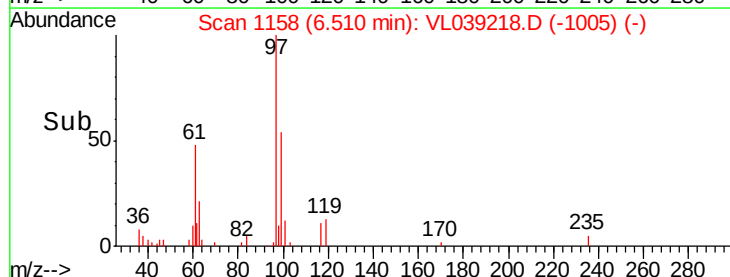
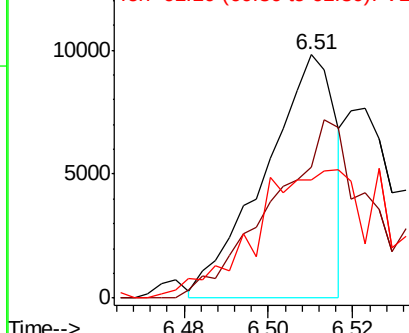
97 100

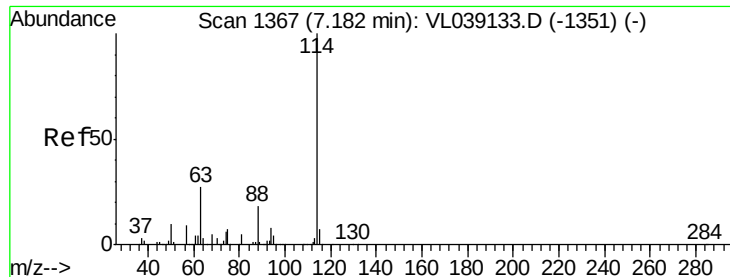
99 115.7 52.1 78.1#

61 0.0 40.0 60.0#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

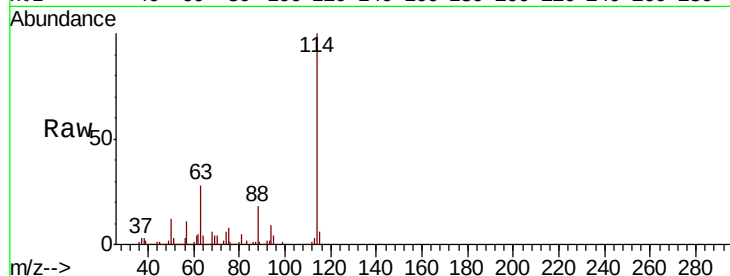
Tot Ion:114 Resp: 1821308

Ion Ratio Lower Upper

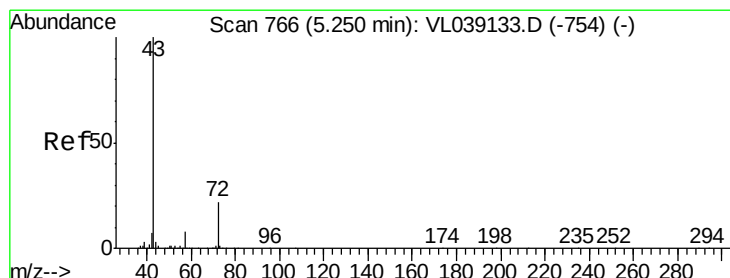
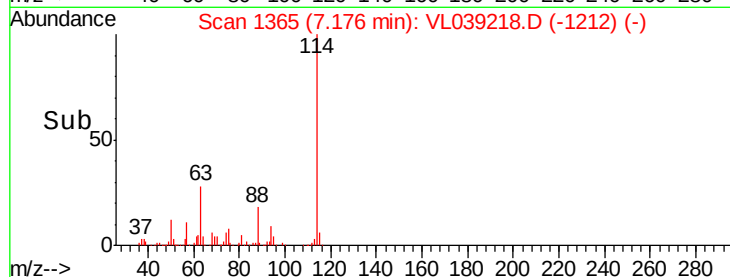
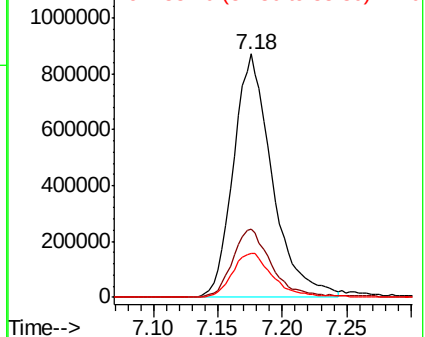
114 100

63 28.9 21.7 32.5

88 19.2 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: 0.080 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL039218.D

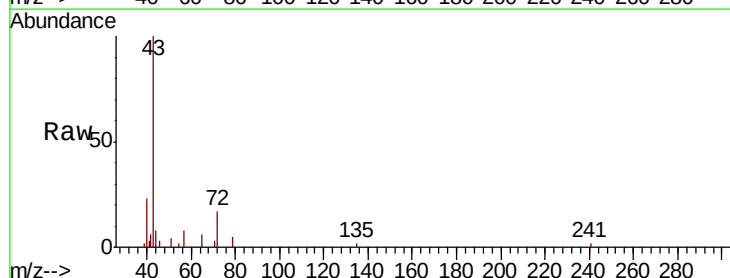
Acq: 7 Jun 2022 20:55

Tgt Ion: 43 Resp: 7928

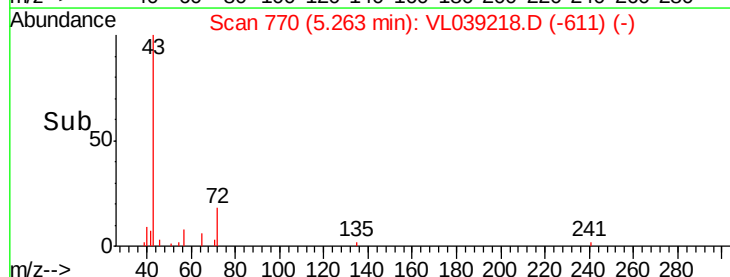
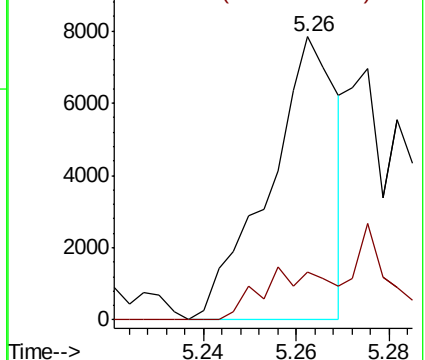
Ion Ratio Lower Upper

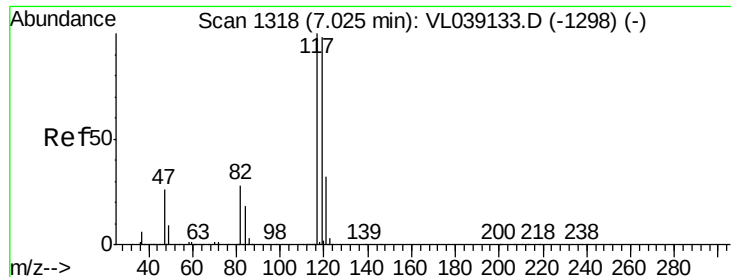
43 100

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





#35

Carbon Tetrachloride

Concen: 0.114 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

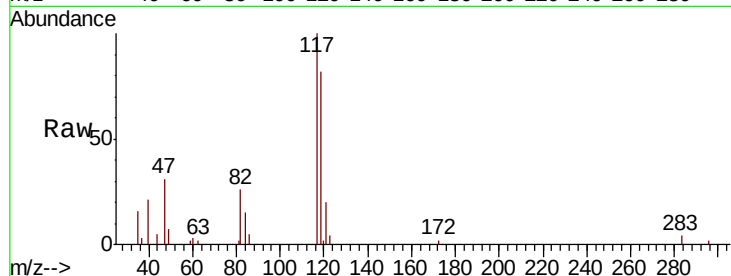
Tot Ion:117 Resp: 15202

Ion Ratio Lower Upper

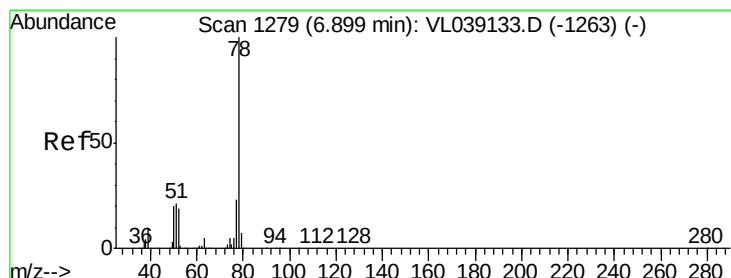
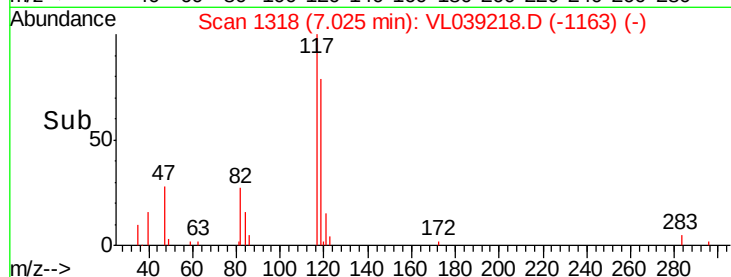
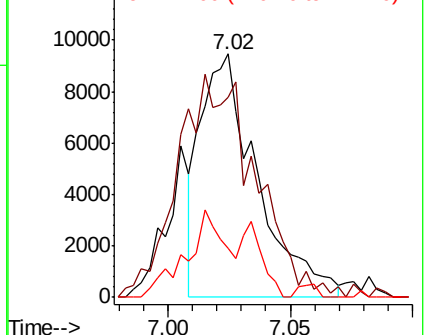
117 100

119 84.5 78.6 118.0

121 21.3 25.4 38.0#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.142 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

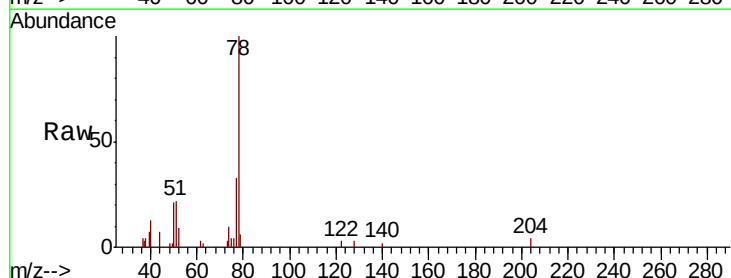
Tgt Ion: 78 Resp: 21018

Ion Ratio Lower Upper

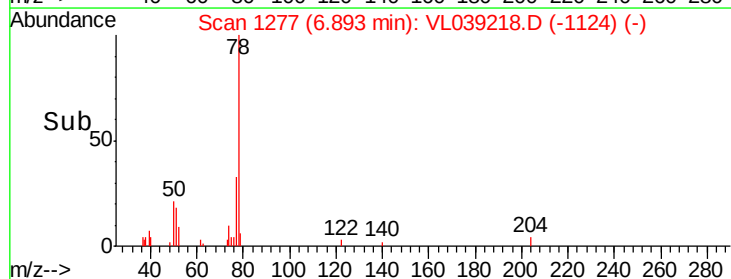
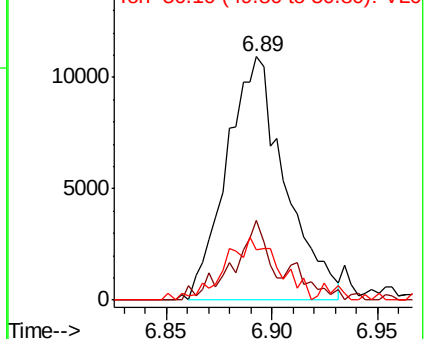
78 100

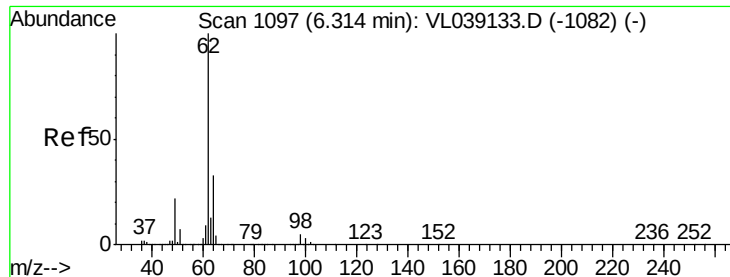
77 28.3 18.6 27.8#

50 19.0 15.8 23.8



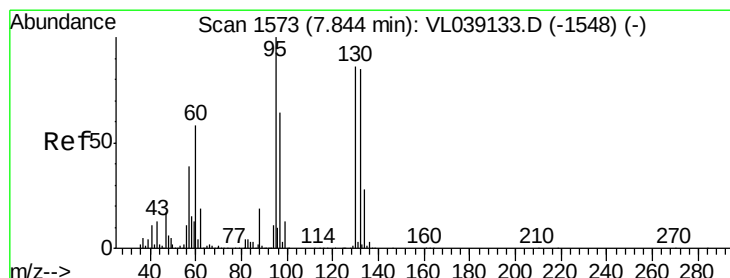
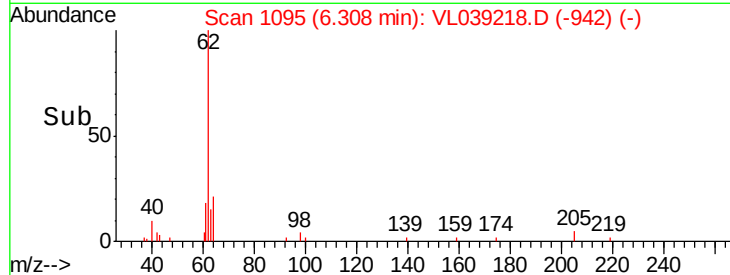
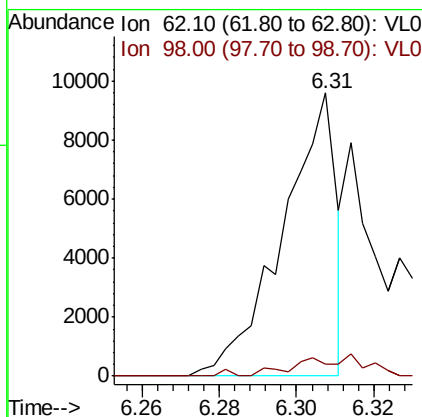
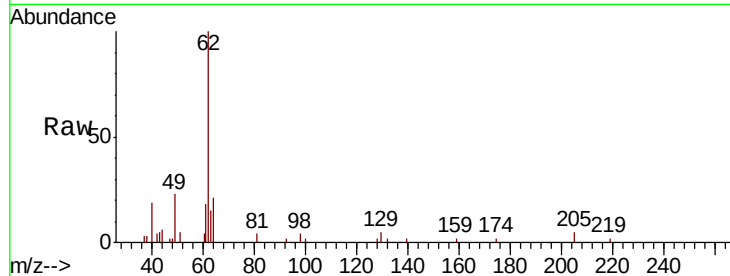
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





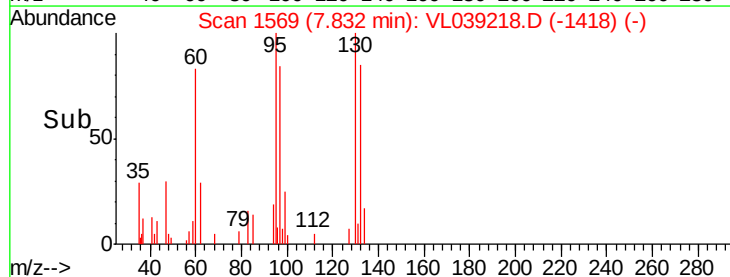
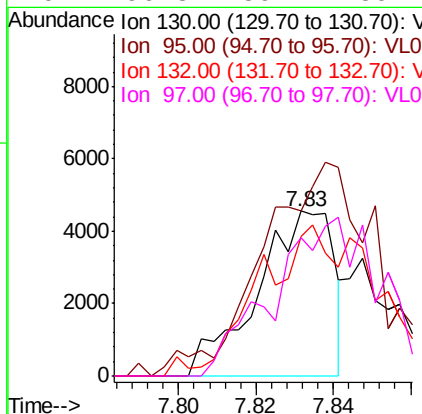
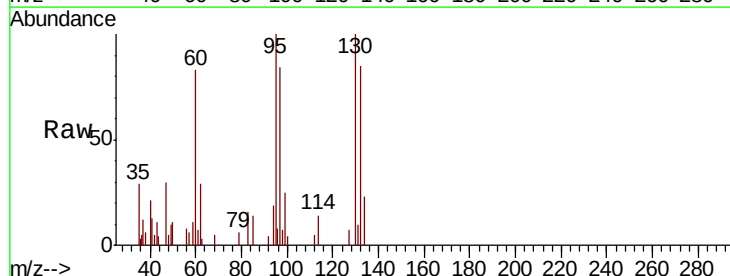
#37
 1,2-Dichloroethane
 Concen: 0.095 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

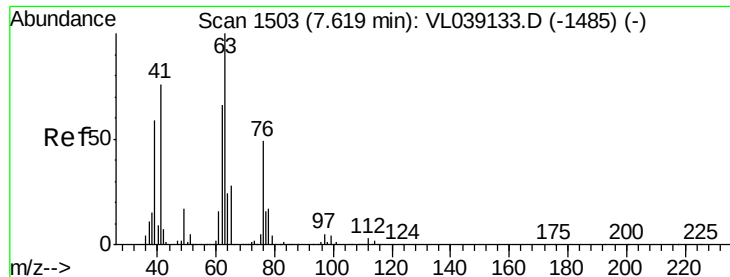
Tot Ion: 62 Resp: 9221
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.3 6.5#



#38
 Trichloroethene
 Concen: 0.092 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

Tgt Ion: 130 Resp: 6274
 Ion Ratio Lower Upper
 130 100
 95 88.6 93.3 139.9#
 132 80.2 79.0 118.4
 97 90.8 59.4 89.2#





#39

1,2-Dichloropropane

Concen: 0.092 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

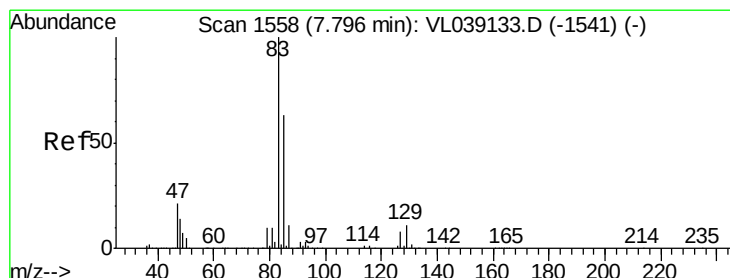
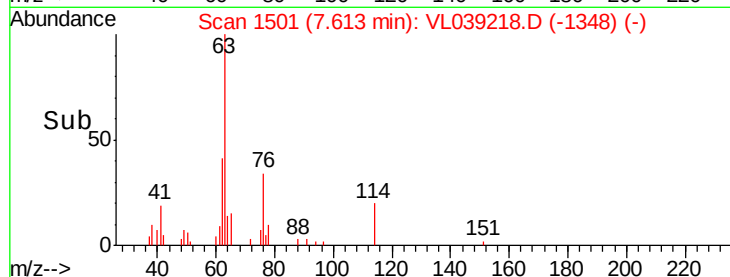
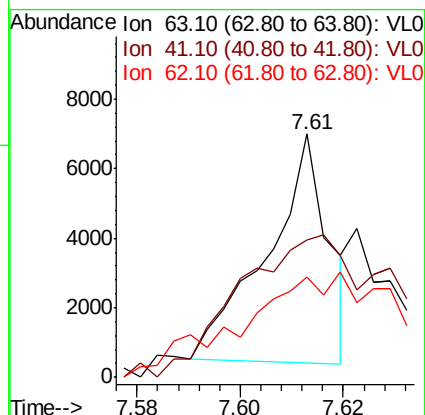
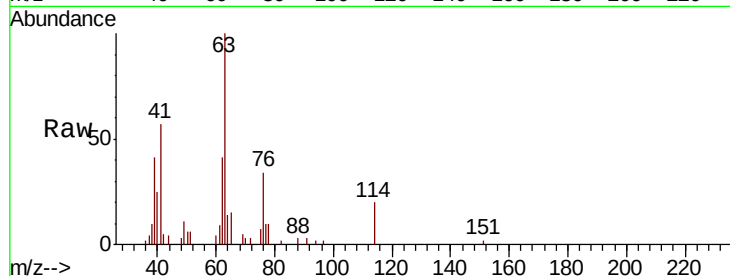
Tot Ion: 63 Resp: 5403

Ion Ratio Lower Upper

63 100

41 53.0 60.8 91.2#

62 25.2 52.9 79.3#



#42

Bromodichloromethane

Concen: 0.064 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

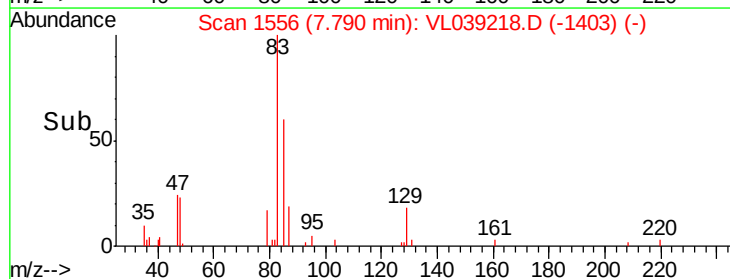
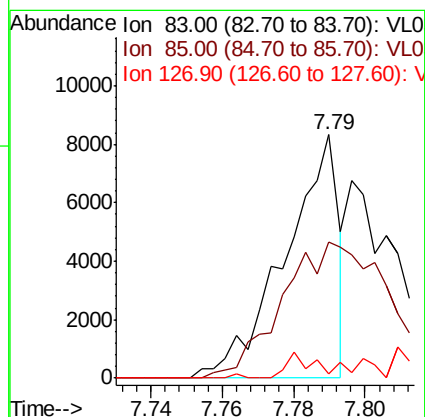
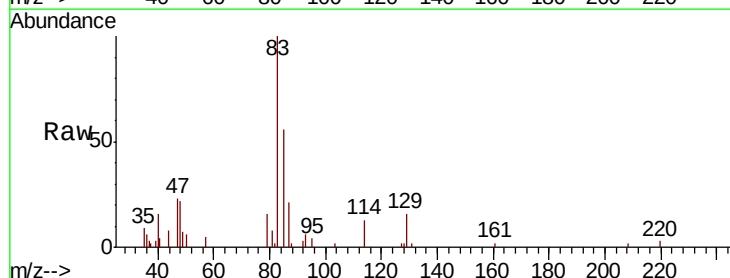
Tgt Ion: 83 Resp: 8646

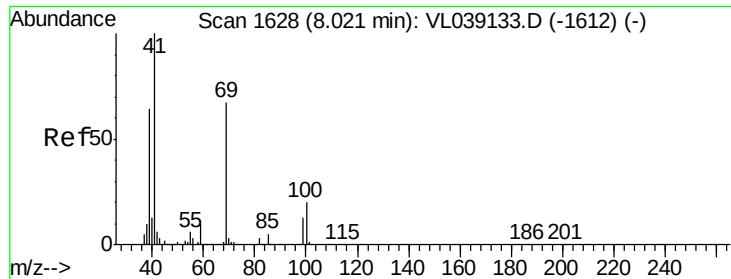
Ion Ratio Lower Upper

83 100

85 56.1 50.2 75.4

127 1.8 6.6 9.8#





#43

Methyl Methacrylate

Concen: 0.036 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

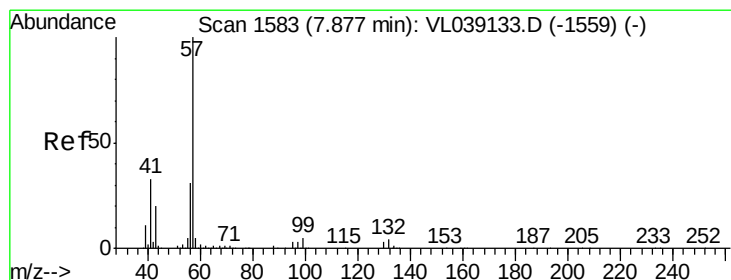
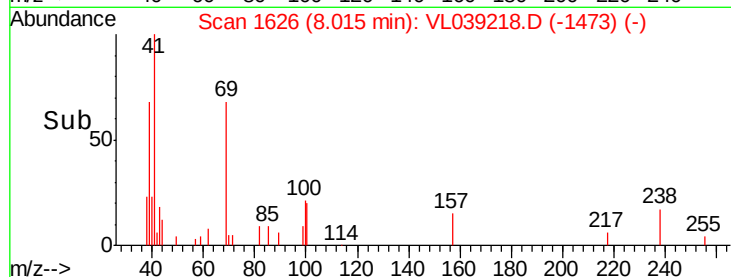
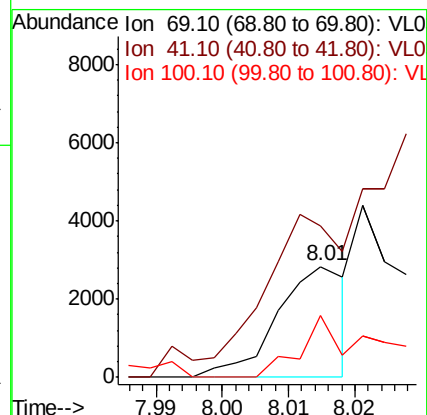
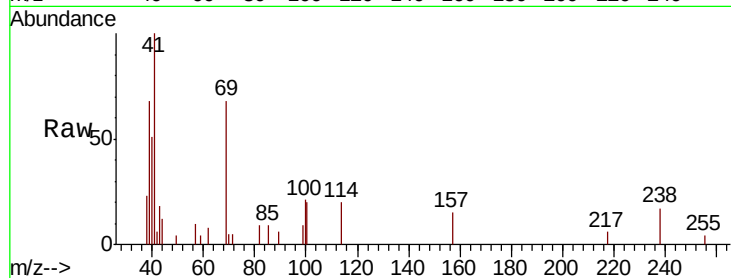
Tot Ion: 69 Resp: 2056

Ion Ratio Lower Upper

69 100

41 0.0 121.9 182.9#

100 101.4 24.1 36.1#



#44

2,2,4-Trimethylpentane

Concen: 0.076 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

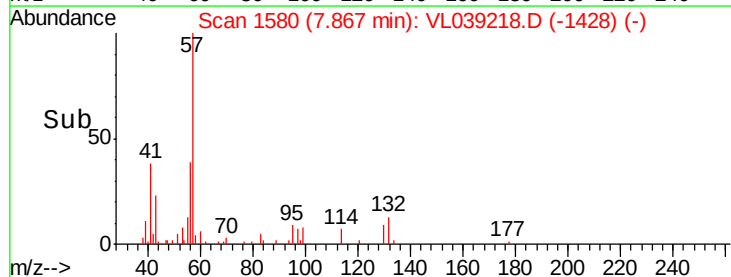
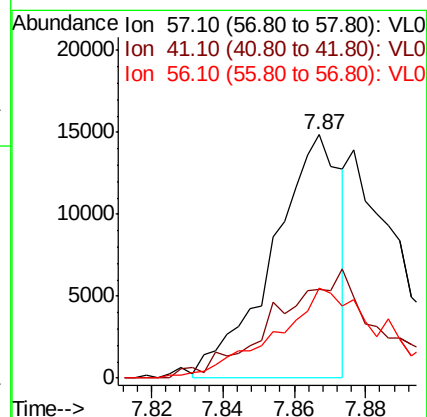
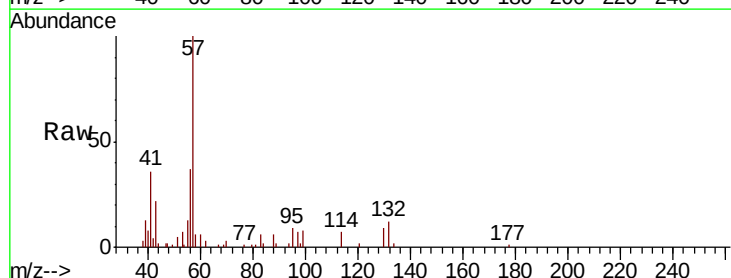
Tgt Ion: 57 Resp: 19594

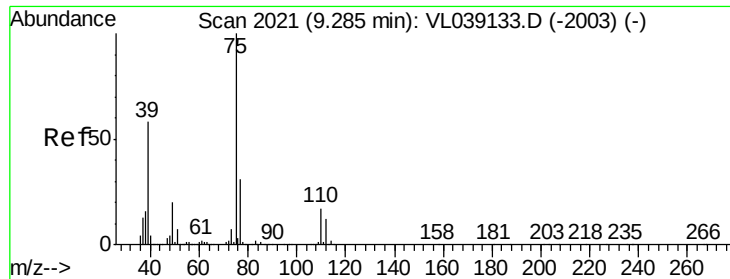
Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.4#

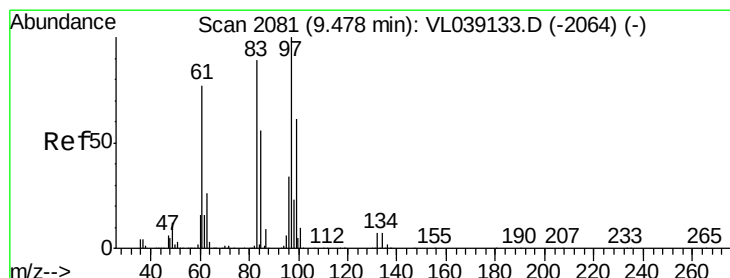
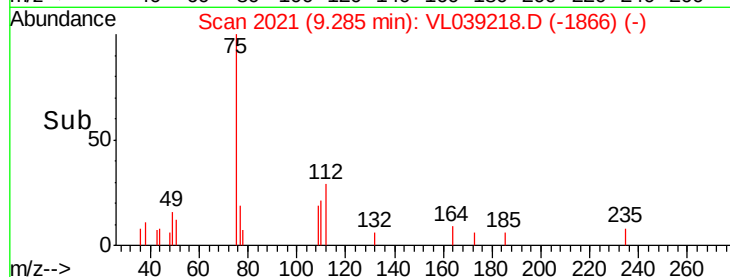
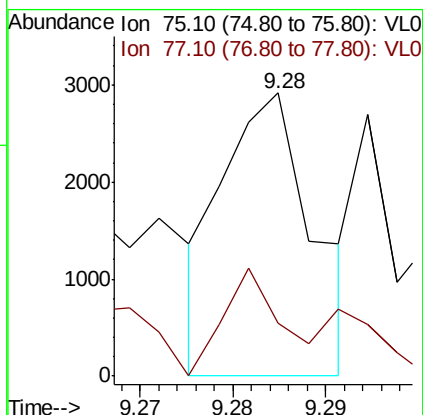
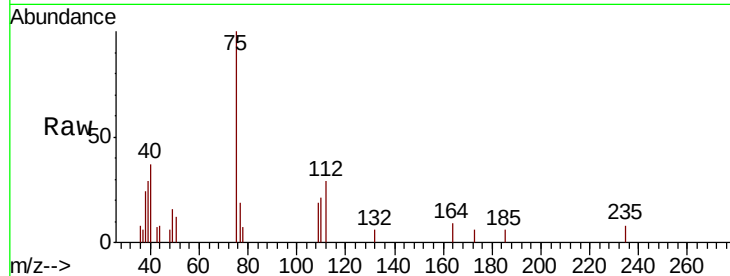
56 61.9 24.7 37.1#





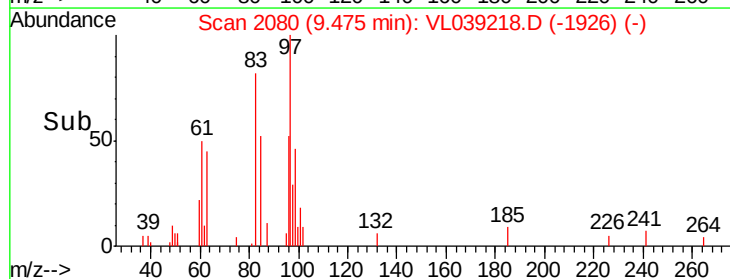
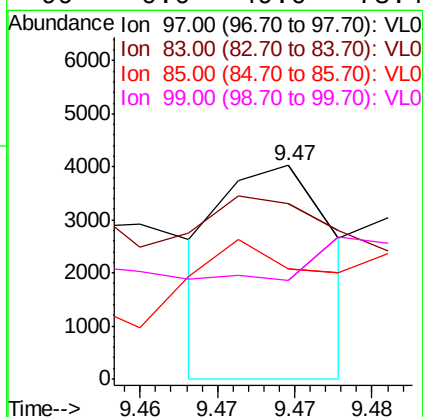
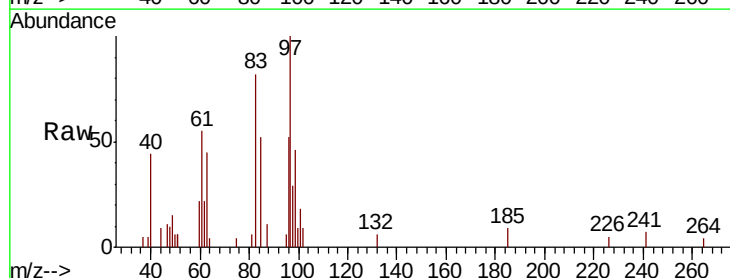
#45
t-1,3-Dichloropropene
Concen: 0.033 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.00 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

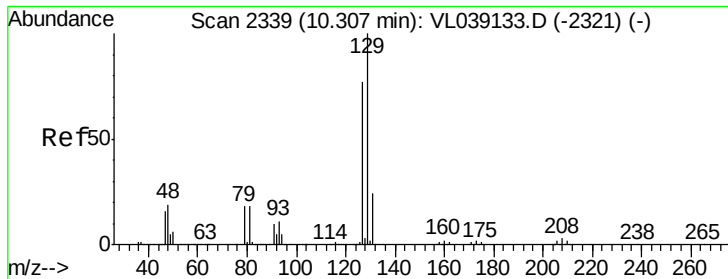
Tot Ion: 75 Resp: 1976
Ion Ratio Lower Upper
75 100
77 26.0 24.4 36.6



#47
1,1,2-Trichloroethane
Concen: 0.033 ppbv
RT: 9.47 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

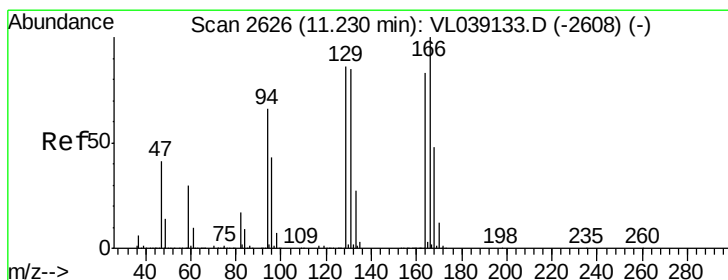
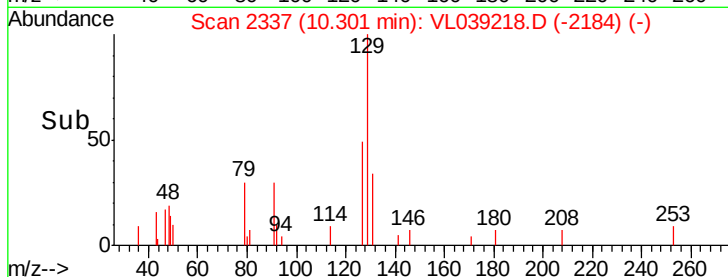
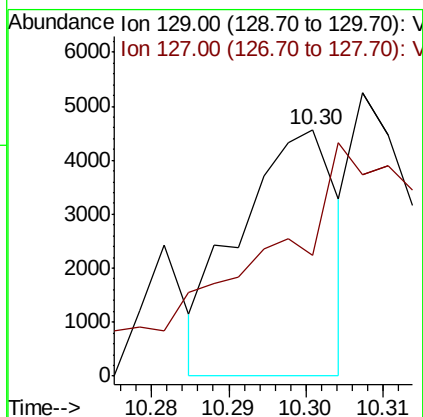
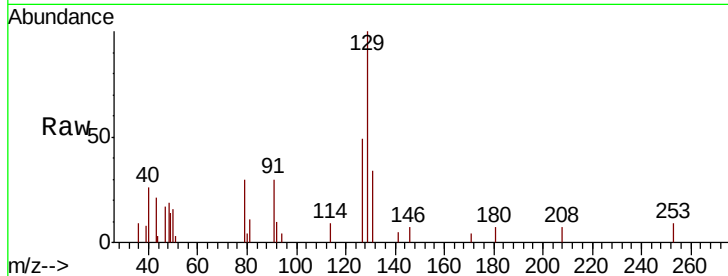
Tgt Ion: 97 Resp: 2015
Ion Ratio Lower Upper
97 100
83 40.0 71.6 107.4#
85 11.9 44.8 67.2#
99 0.0 49.0 73.4#





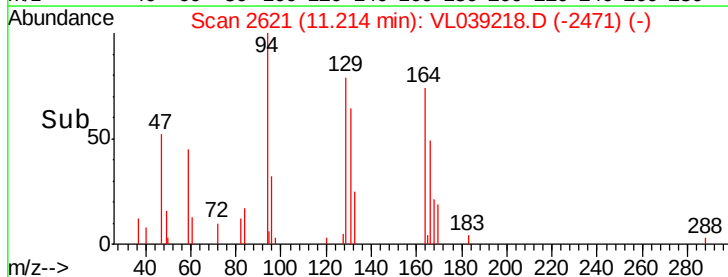
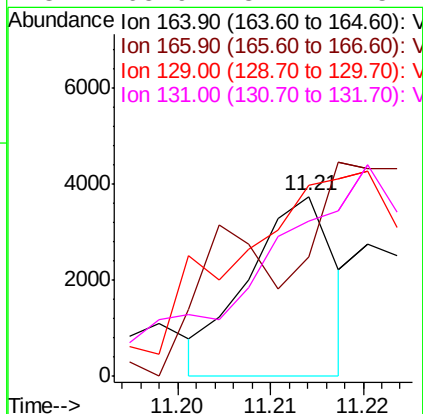
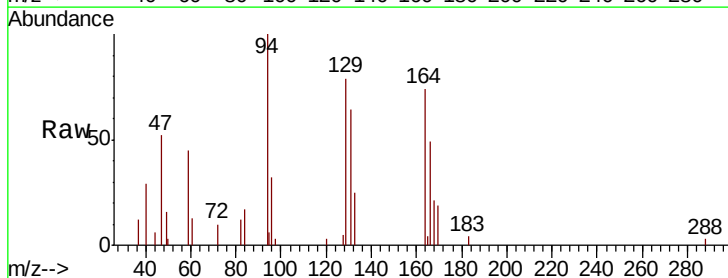
#48
Dibromochloromethane
Concen: 0.036 ppbv
RT: 10.30 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

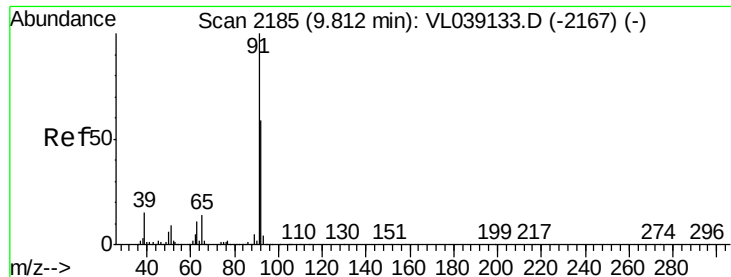
Tot Ion:129 Resp: 3992
Ion Ratio Lower Upper
129 100
127 0.0 40.0 119.9#



#52
Tetrachloroethene
Concen: 0.042 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

Tgt Ion:164 Resp: 2409
Ion Ratio Lower Upper
164 100
166 36.9 96.3 144.5#
129 49.2 82.5 123.7#
131 65.9 82.1 123.1#





#53

Toluene

Concen: 0.062 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL039218.D

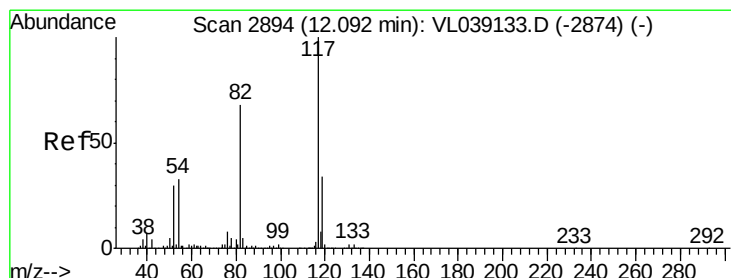
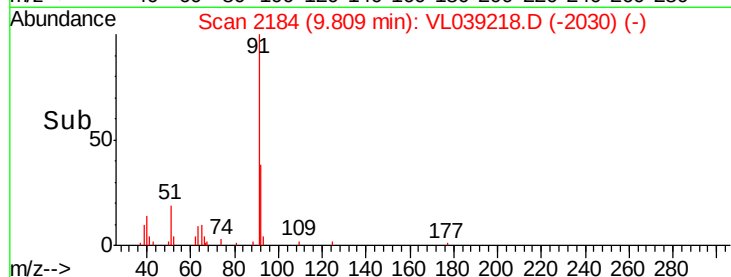
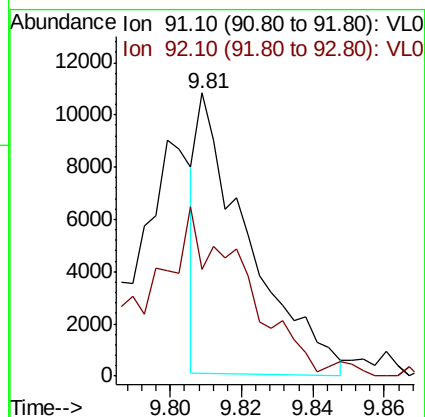
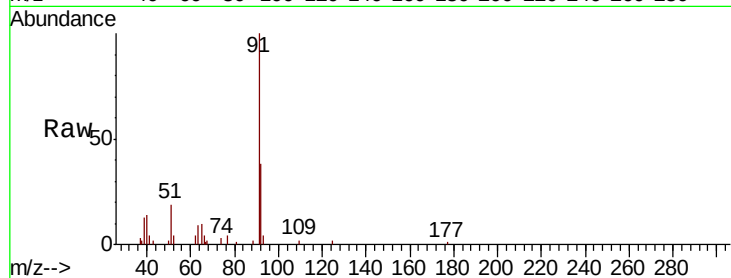
Acq: 7 Jun 2022 20:55

Tot Ion: 91 Resp: 10564

Ion Ratio Lower Upper

91 100

92 115.6 48.1 72.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

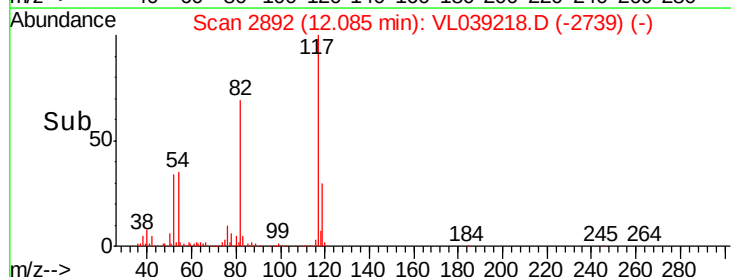
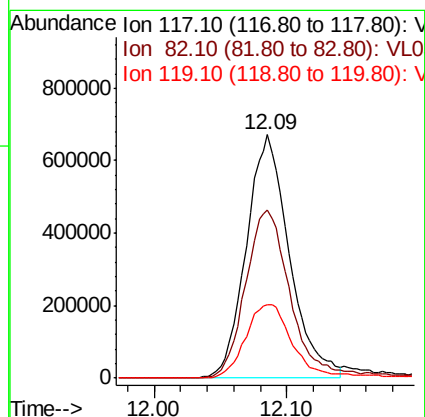
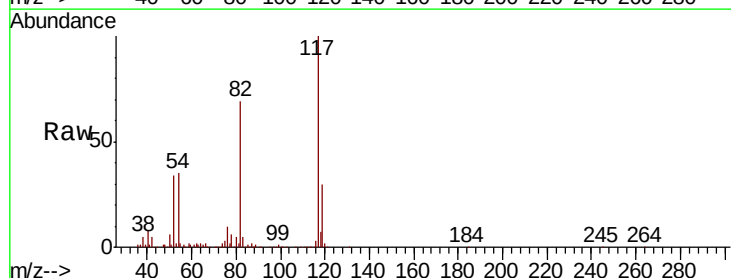
Tgt Ion: 117 Resp: 1515139

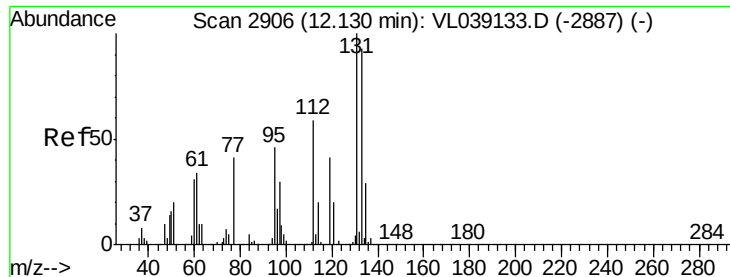
Ion Ratio Lower Upper

117 100

82 74.2 55.1 82.7

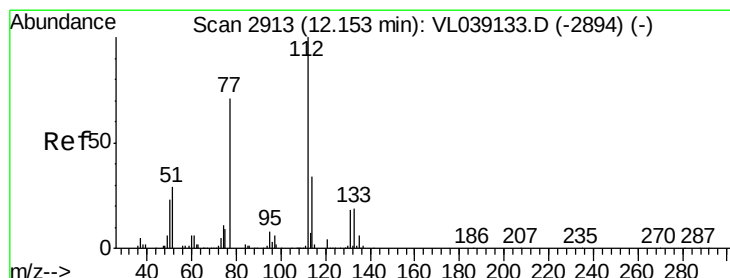
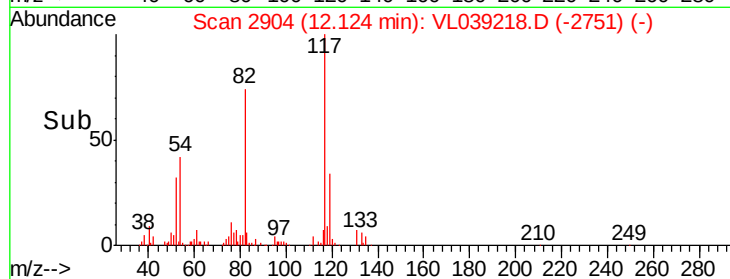
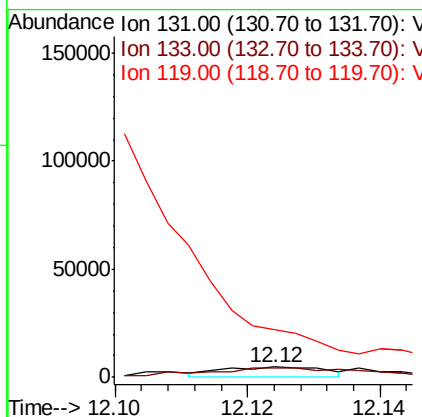
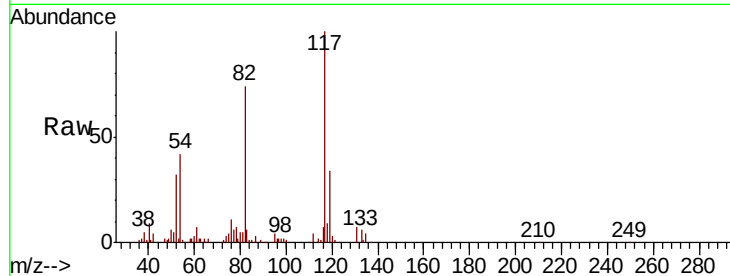
119 34.1 24.7 37.1





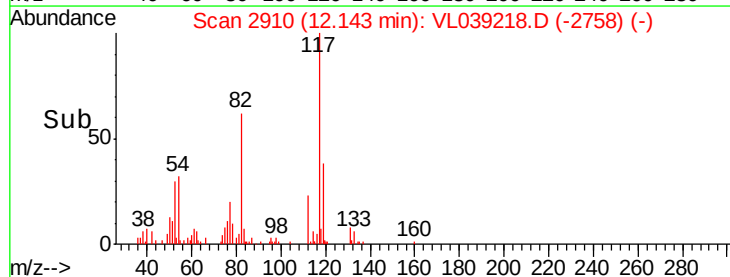
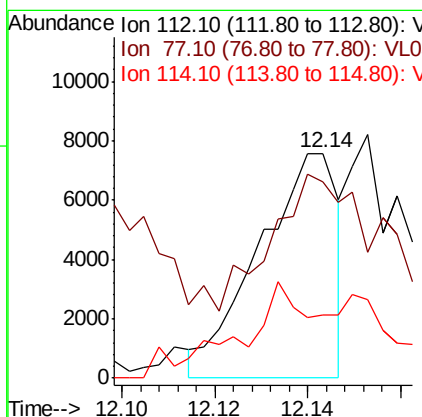
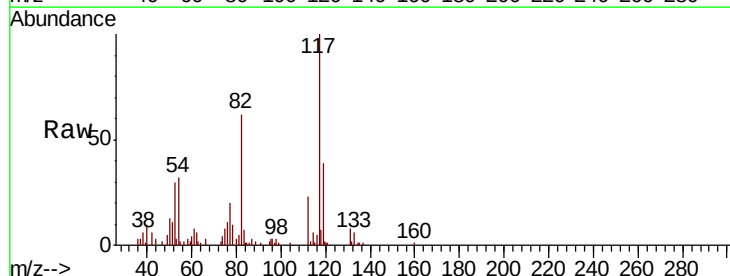
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.072 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T. -0.01 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

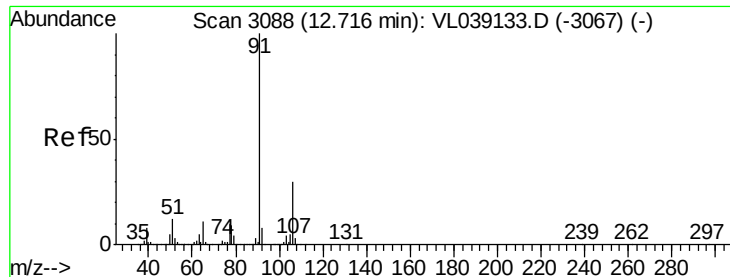
Tot Ion:131 Resp: 5144
 Ion Ratio Lower Upper
 131 100
 133 189.0 78.6 117.8#
 119 0.0 51.7 77.5#



#57
 Chlorobenzene
 Concen: 0.079 ppbv
 RT: 12.14 min Scan# 2910
 Delta R.T. -0.01 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

Tgt Ion:112 Resp: 8971
 Ion Ratio Lower Upper
 112 100
 77 62.3 56.5 84.7
 114 26.7 30.3 37.1#





#58

Ethyl Benzene

Concen: 0.070 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL039218.D

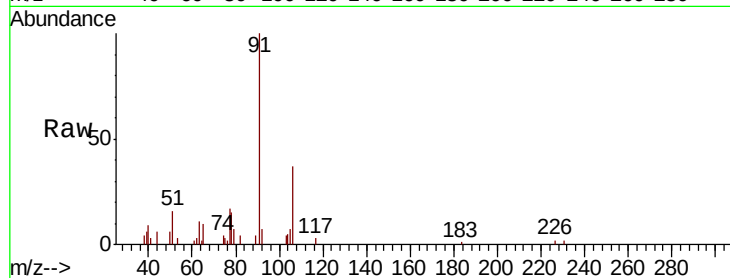
Acq: 7 Jun 2022 20:55

Tot Ion: 91 Resp: 14506

Ion Ratio Lower Upper

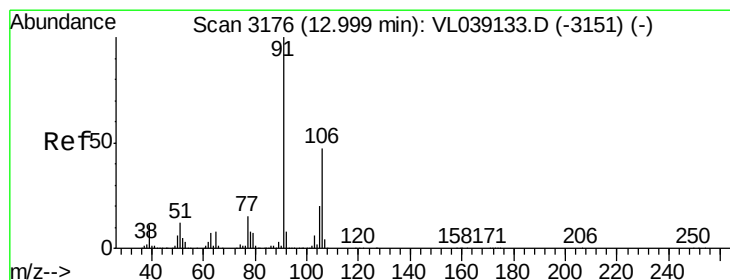
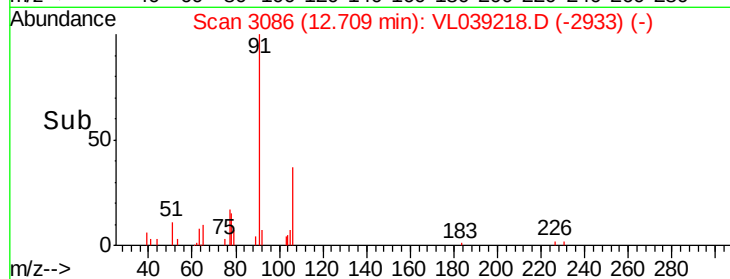
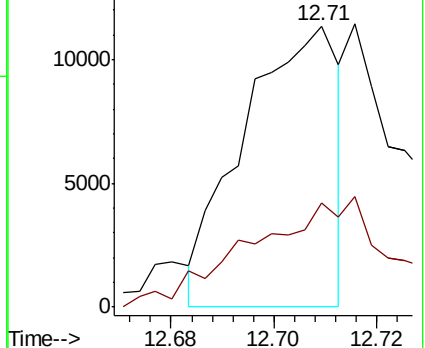
91 100

106 28.4 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.036 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. -0.00 min

Lab File: VL039218.D

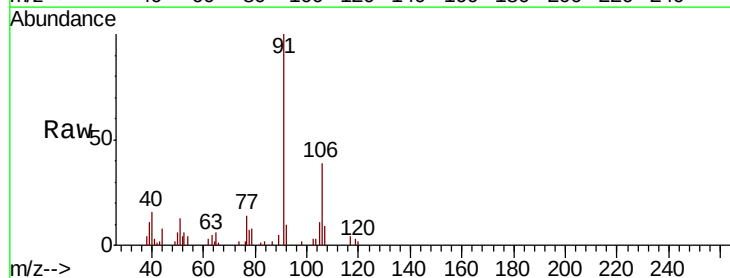
Acq: 7 Jun 2022 20:55

Tgt Ion: 91 Resp: 6705

Ion Ratio Lower Upper

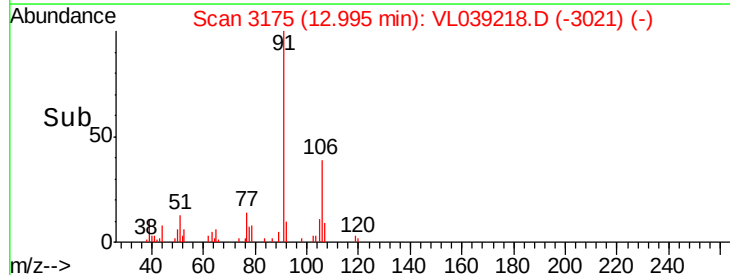
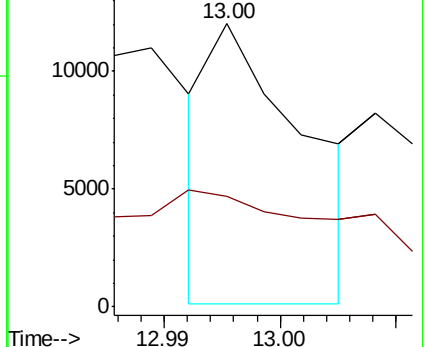
91 100

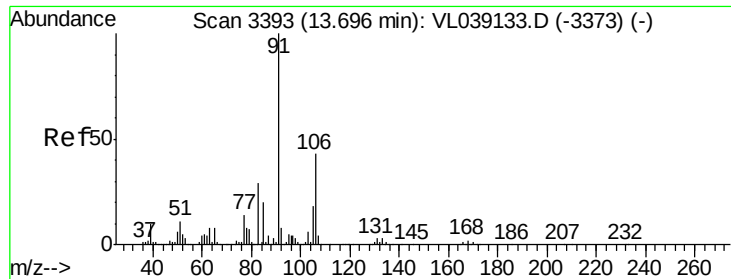
106 174.6 34.3 51.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

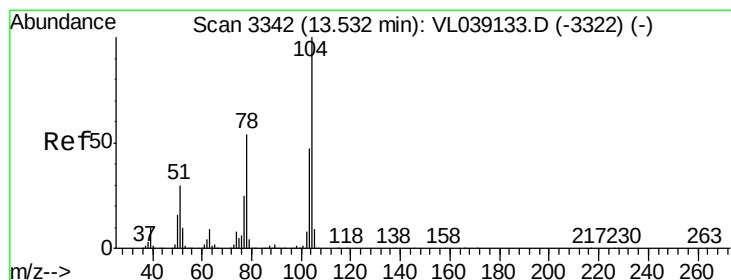
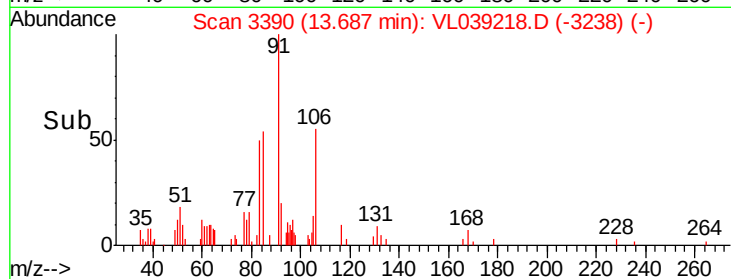
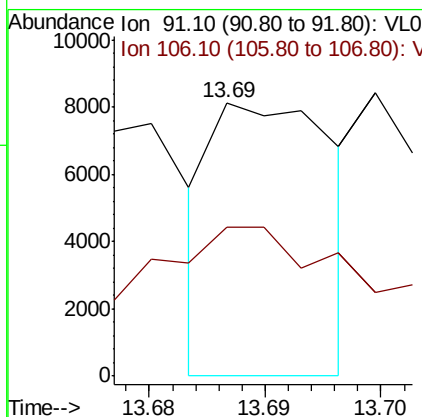
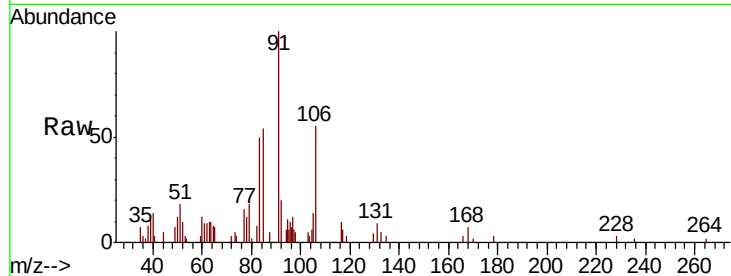
Ion 106.10 (105.80 to 106.80): V





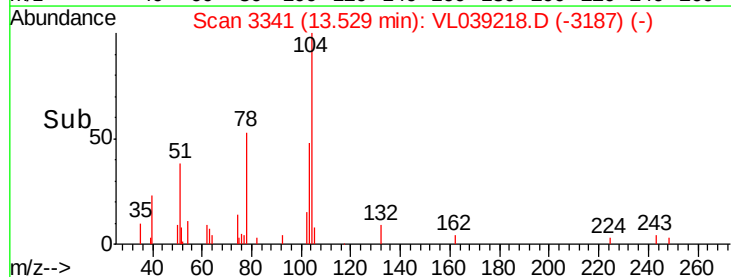
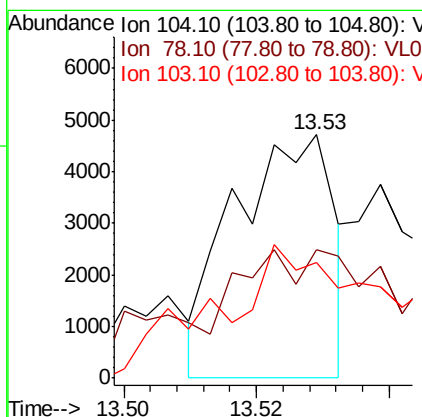
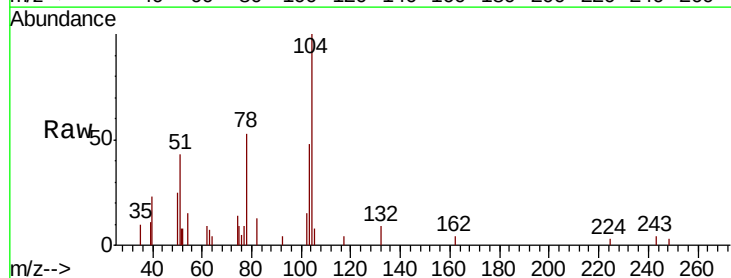
#60
o-Xylene
Concen: 0.034 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

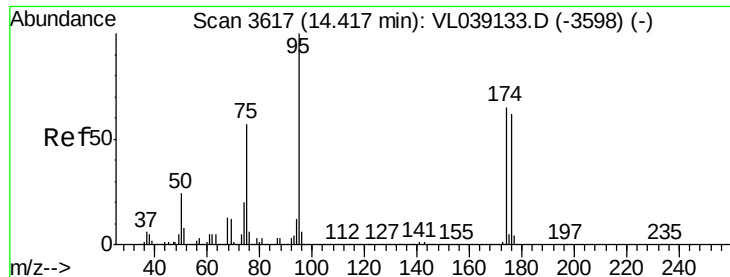
Tot Ion: 91 Resp: 5913
Ion Ratio Lower Upper
91 100
106 160.8 22.3 66.9#



#61
Styrene
Concen: 0.053 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL039218.D
Acq: 7 Jun 2022 20:55

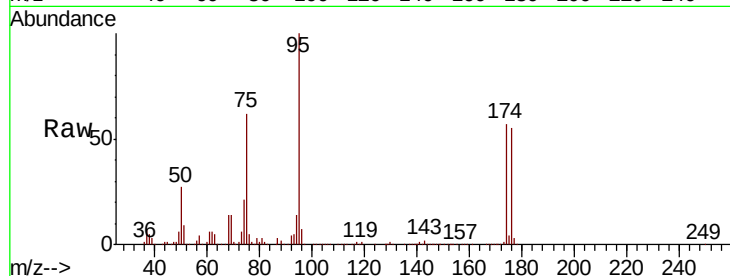
Tgt Ion: 104 Resp: 4932
Ion Ratio Lower Upper
104 100
78 121.2 45.7 68.5#
103 106.4 39.6 59.4#



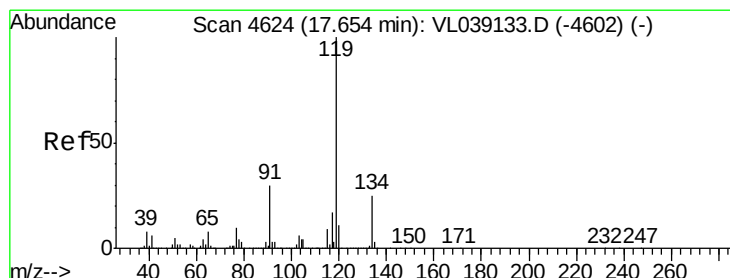
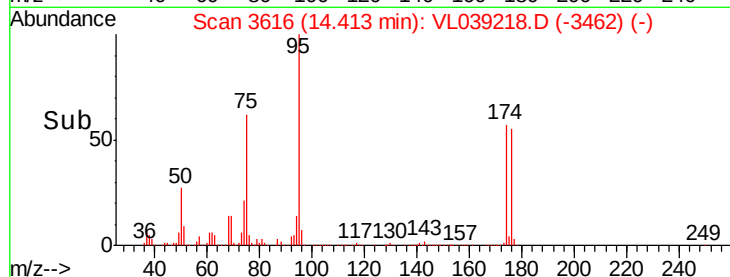
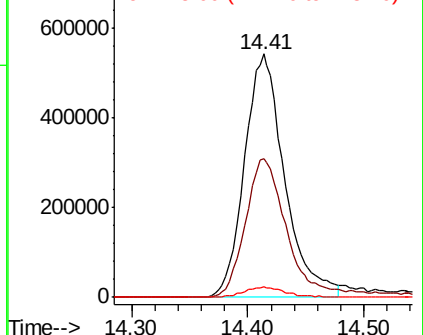


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.402 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

Tot Ion: 95 Resp: 1302947
 Ion Ratio Lower Upper
 95 100
 174 59.3 53.8 80.8
 175 4.5 4.1 6.1

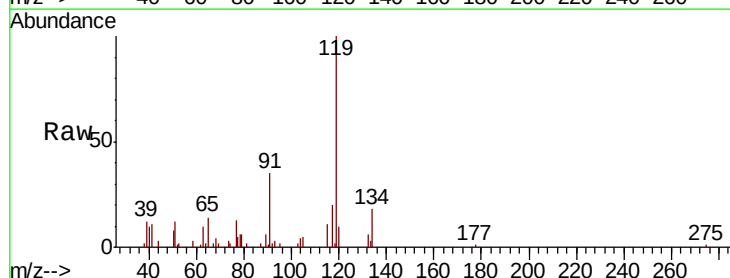


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

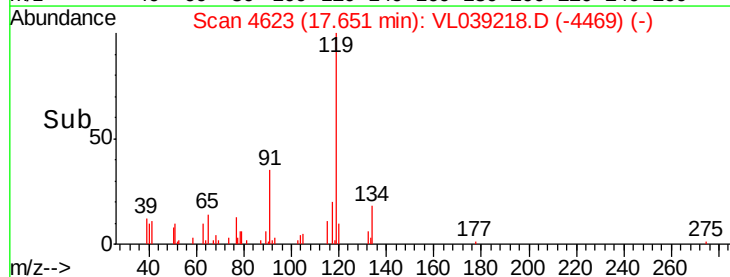
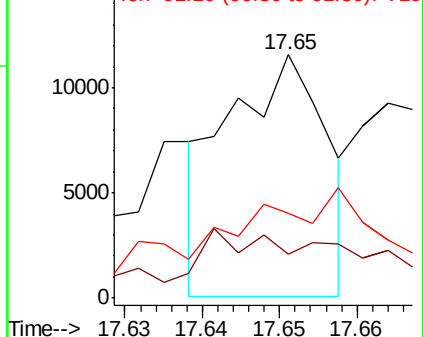


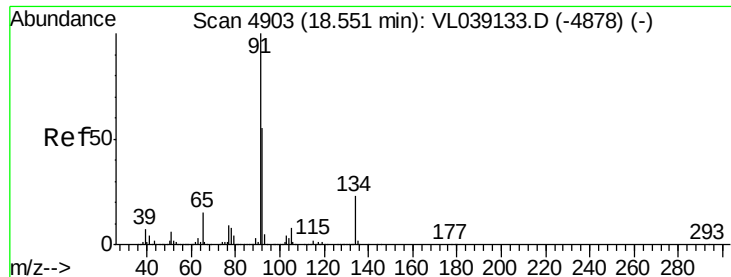
#69
 p-Isopropyltoluene
 Concen: 0.038 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.00 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

Tgt Ion: 119 Resp: 10216
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.4 30.6#
 91 0.0 24.2 36.4#



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.039 ppbv

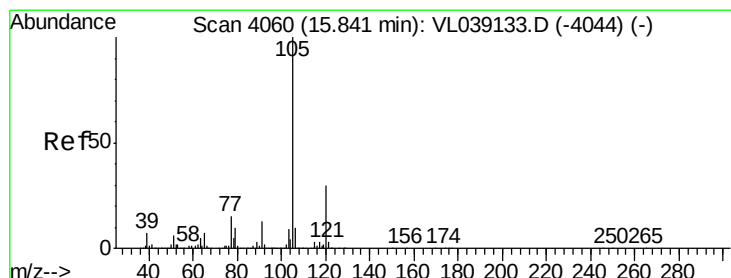
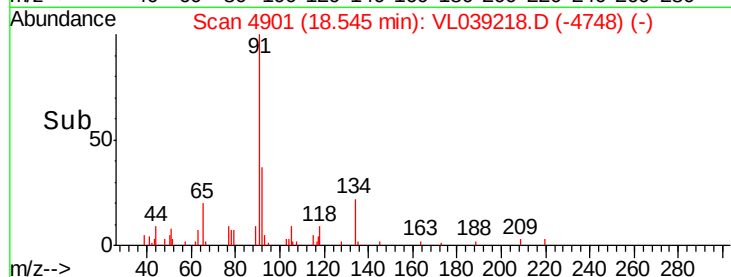
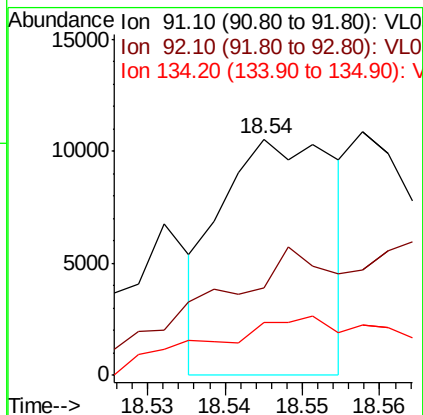
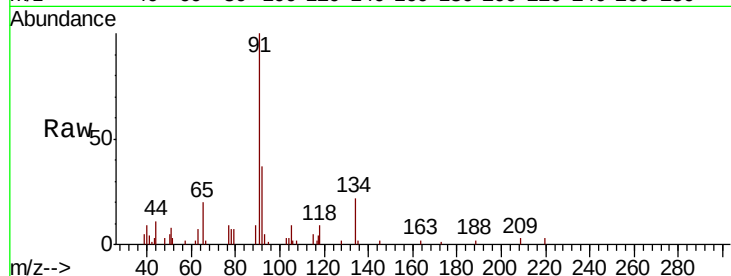
RT: 18.54 min Scan# 4901

Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tot Ion:	91	Resp:	10801
Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.6	65.4#
134	57.2	17.7	26.5#



#72

4-Ethyltoluene

Concen: 0.046 ppbv

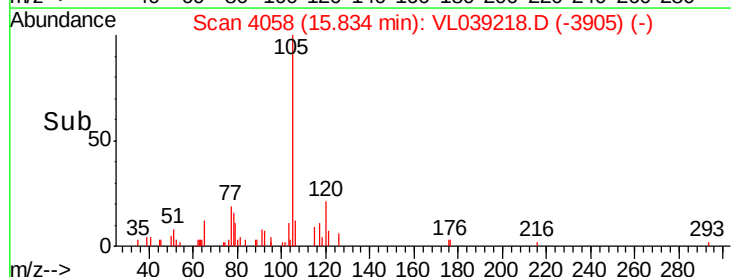
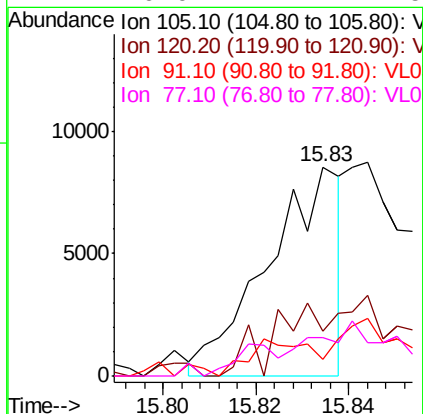
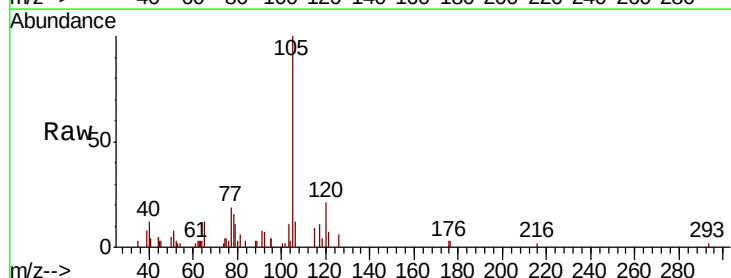
RT: 15.83 min Scan# 4058

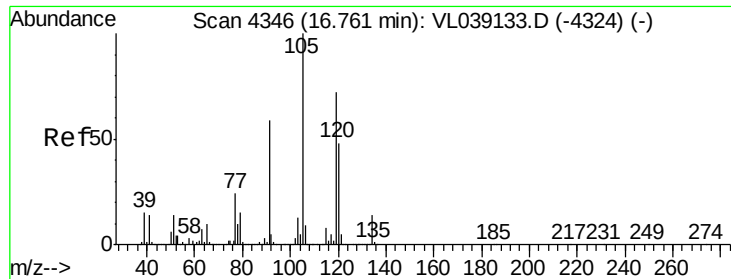
Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tgt Ion:	105	Resp:	9330
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.9	35.9#
91	0.0	10.6	16.0#
77	0.0	11.7	17.5#





#74

1,2,4-Trimethylbenzene

Concen: 0.063 ppbv

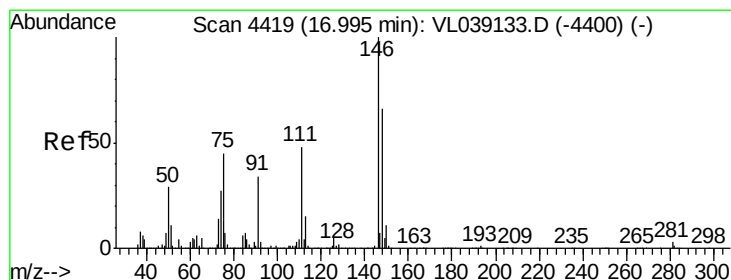
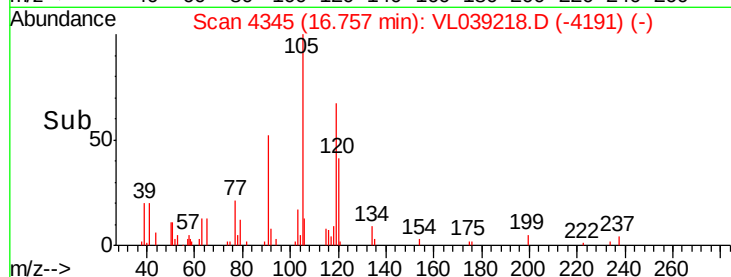
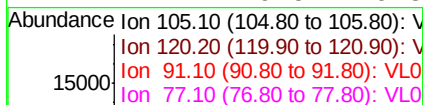
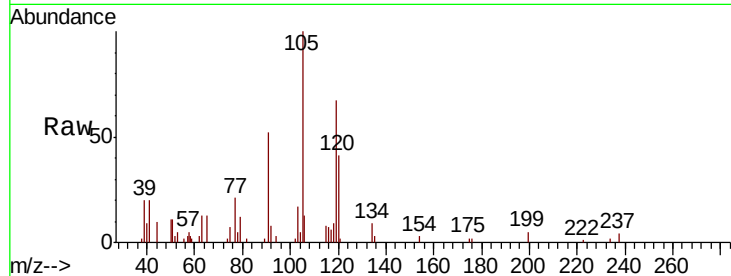
RT: 16.76 min Scan# 4345

Delta R.T. -0.00 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tot Ion:	105	Resp:	12860
Ion	Ratio	Lower	Upper
105	100		
120	39.6	38.1	57.1
91	20.6	47.4	71.0#
77	1.4	19.5	29.3#



#75

1,3-Dichlorobenzene

Concen: 0.043 ppbv

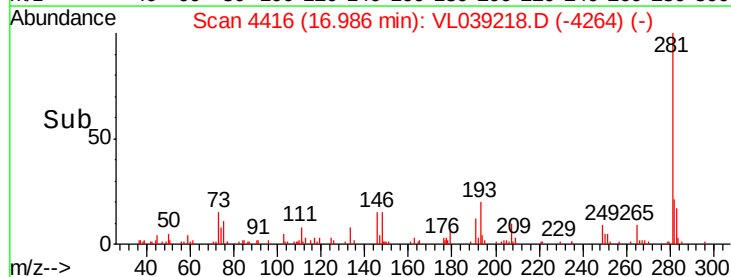
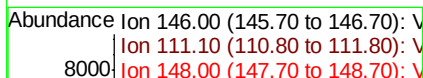
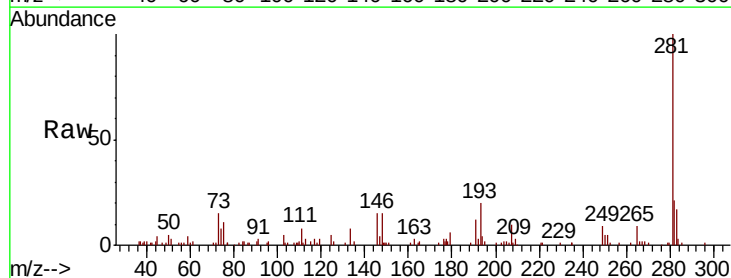
RT: 16.99 min Scan# 4416

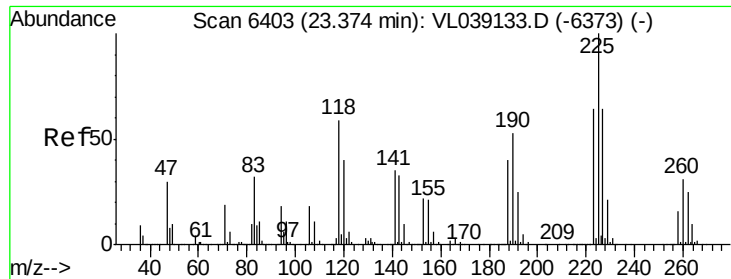
Delta R.T. -0.01 min

Lab File: VL039218.D

Acq: 7 Jun 2022 20:55

Tgt Ion:	146	Resp:	4991
Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.4#
148	197.4	32.4	97.0#





#78
 Hexachloro-1,3-Butadiene
 Concen: 0.074 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. -0.01 min
 Lab File: VL039218.D
 Acq: 7 Jun 2022 20:55

Tot Ion:225 Resp: 7825
 Ion Ratio Lower Upper
 225 100
 223 132.9 51.4 77.0#
 227 146.6 50.6 75.8#

