

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037339.D
 Acq On : 5 Aug 2021 11:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 13:47:13 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021

QLast Update : Wed Aug 04 22:53:01 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1021741	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3353614	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3749509	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2094329	8.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1600056	7.713	ppbv 99
3) Chlorodifluoromethane	2.98	51	1794887	8.640	ppbv 98
4) Chloromethane	3.13	50	607544	8.166	ppbv 97
5) Vinyl Chloride	3.25	62	664867	8.538	ppbv 100
6) Bromomethane	3.47	94	361135	7.515	ppbv 99
7) Chloroethane	3.55	64	238668	8.626	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	1633898	8.232	ppbv 98
9) Propene	3.01	41	571236	7.605	ppbv 99
10) Heptane	8.11	43	1438674	8.200	ppbv 99
11) Trichlorofluoromethane	3.94	101	1625585	8.518	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1212527	8.738	ppbv 99
13) Ethanol	3.61	45	76469	6.759	ppbv 100
14) Bromoethene	3.73	108	522042	8.427	ppbv 97
15) Acetone	3.84	43	1084567	9.772	ppbv 99
16) 1,3-Butadiene	3.32	39	622655	8.709	ppbv 93
17) tert-Butyl alcohol	4.29	59	985397	8.840	ppbv 99
18) 1,1-Dichloroethene	4.28	96	558550	8.812	ppbv 91
19) Isopropyl Alcohol	3.97	45	559657	9.111	ppbv # 1
20) Methylene Chloride	4.34	84	461565	5.023	ppbv 98
21) Allyl Chloride	4.40	41	672189	7.482	ppbv 91
22) trans-1,2-Dichloroethene	4.88	96	532751	9.226	ppbv 97
23) Vinyl Acetate	5.07	43	1671557	9.973	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1215446	8.481	ppbv 100
25) Ethyl Acetate	5.67	43	2155116	7.467	ppbv 99
26) Hexane	5.68	57	1111988	6.886	ppbv 97
27) Carbon Disulfide	4.55	76	1163386	8.852	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1359038	7.924	ppbv 98
29) Chloroform	5.75	83	1715659	8.389	ppbv 99
30) Cyclohexane	7.12	84	998660	8.019	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1062692	8.472	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	1724180	8.842	ppbv 100
34) 2-Butanone	5.24	43	988485	8.494	ppbv 98
35) Carbon Tetrachloride	7.01	117	1807497	9.031	ppbv 100
36) Benzene	6.88	78	2403918	7.965	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1218489	8.777	ppbv 98
38) Trichloroethene	7.83	130	1021004	7.730	ppbv 99
39) 1,2-Dichloropropane	7.60	63	888196	7.903	ppbv 96
40) 1,4-Dioxane	7.83	88	245583	7.596	ppbv 99
41) Tetrahydrofuran	6.04	42	479038	7.402	ppbv 99
42) Bromodichloromethane	7.78	83	1825752	8.736	ppbv 95
43) Methyl Methacrylate	8.00	69	903831	8.825	ppbv 98

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 QLast Update : Wed Aug 04 22:53:01 2021
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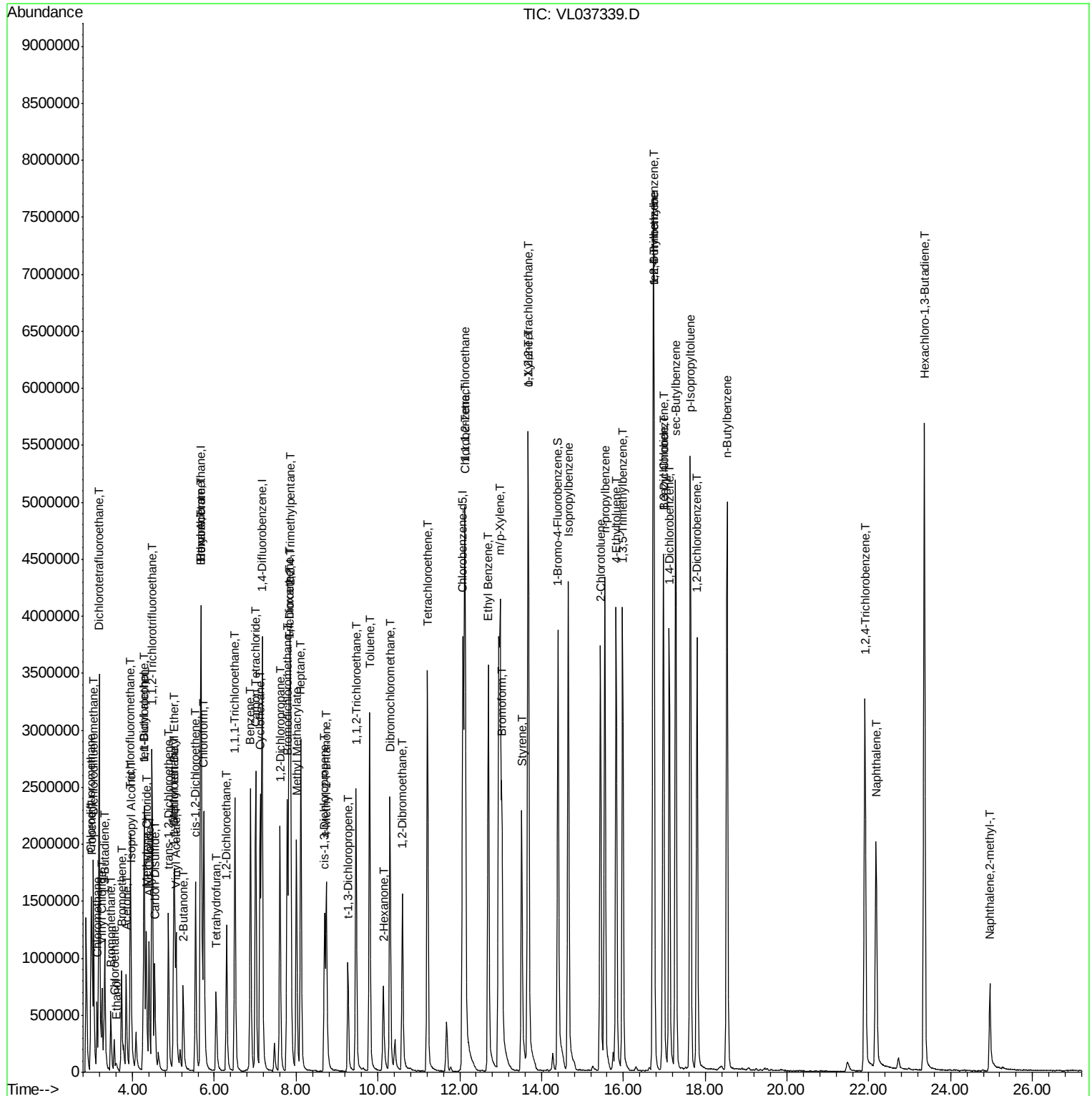
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

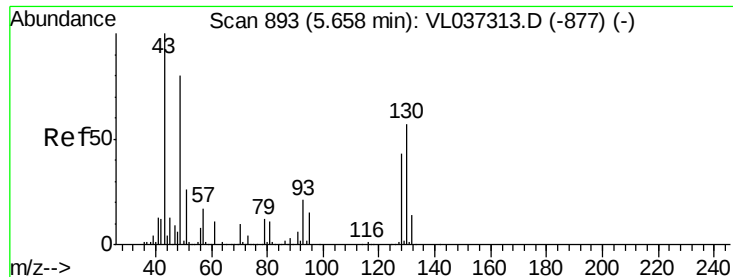
44) 2,2,4-Trimethylpentane	7.86	57	3879810	7.777	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	634271	7.842	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	906271	7.783	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1028785	8.610	ppbv	98
48) Dibromochloromethane	10.29	129	1666860	9.413	ppbv	100
49) Bromoform	13.03	173	1423617	10.722	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1513289	8.492	ppbv	98
51) 2-Hexanone	10.13	43	786440	9.707	ppbv #	96
52) Tetrachloroethene	11.21	164	1035862	7.969	ppbv	99
53) Toluene	9.80	91	2905950	8.156	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1465852	8.834	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1192992	7.370	ppbv #	57
57) Chlorobenzene	12.14	112	2250163	7.108	ppbv	99
58) Ethyl Benzene	12.70	91	3744918	6.800	ppbv	99
59) m/p-Xylene	12.99	91	3598665	7.757	ppbv #	45
60) o-Xylene	13.68	91	2896006	6.869	ppbv	96
61) Styrene	13.52	104	1612261	6.976	ppbv	99
62) Isopropylbenzene	14.65	105	4338503	7.087	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	2159498	7.054	ppbv	100
64) n-propylbenzene	15.55	120	1195156	7.466	ppbv	99
65) tert-Butylbenzene	16.73	119	4122329	7.302	ppbv	100
66) Benzyl Chloride	16.98	91	117600	5.359	ppbv #	99
67) sec-Butylbenzene	17.28	105	5560177	7.302	ppbv	99
69) p-Isopropyltoluene	17.64	119	4799985	7.494	ppbv	99
70) n-Butylbenzene	18.54	91	4456907	7.607	ppbv	99
71) 2-Chlorotoluene	15.44	91	3176252	7.426	ppbv	99
72) 4-Ethyltoluene	15.82	105	3776234	7.420	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3321831	7.260	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3598188	7.369	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2365148	7.879	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2298116	7.719	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2296817	7.856	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1578147	6.011	ppbv	100
79) Naphthalene	22.18	128	2972539	6.632	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	679566	9.330	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1784895	6.855	ppbv	98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

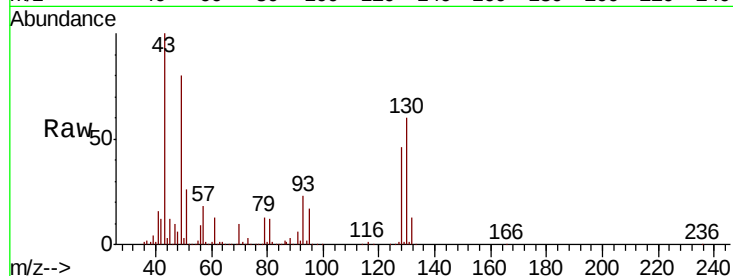
Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tot Ion: 49 Resp: 1021741

Ion	Ratio	Lower	Upper
49	100		
128	63.2	29.8	89.5
130	78.1	37.5	112.7



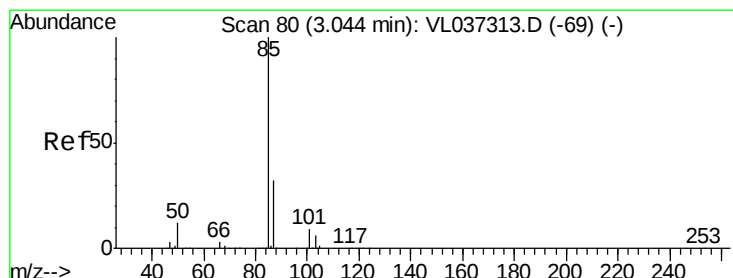
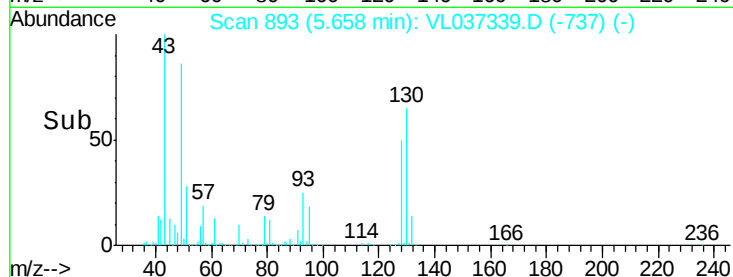
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 7.713 ppbv

RT: 3.04 min Scan# 80

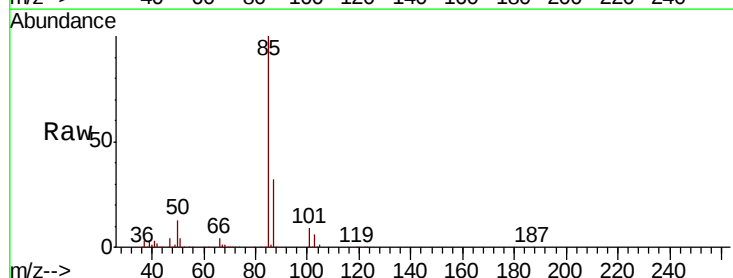
Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion: 85 Resp: 1600056

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.5	38.3

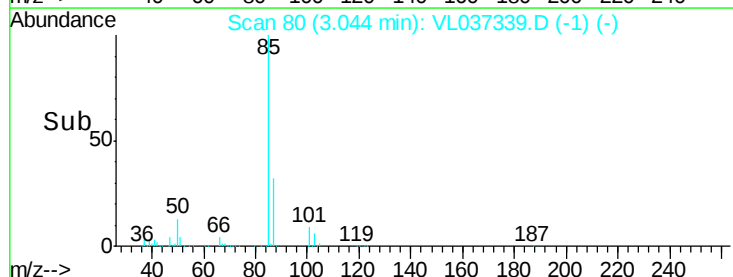


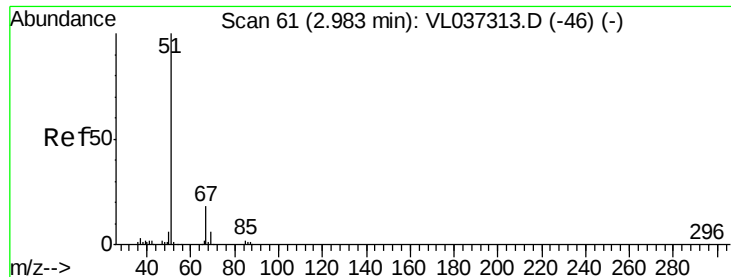
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 8.640 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037339.D

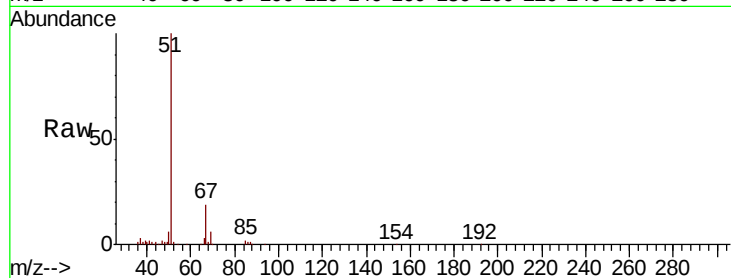
Acq: 5 Aug 2021 11:55

Tot Ion: 51 Resp: 1794887

Ion Ratio Lower Upper

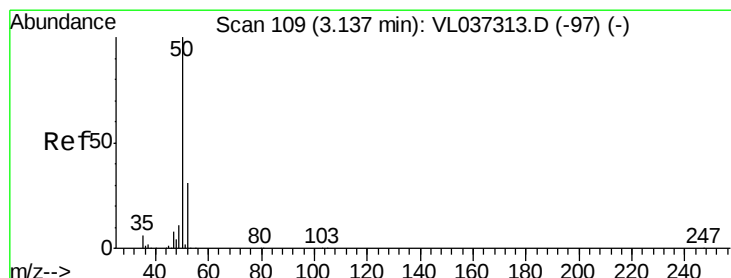
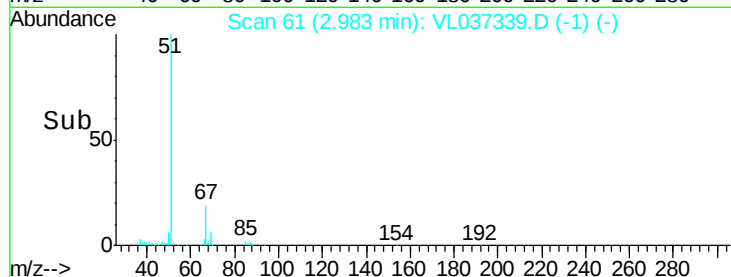
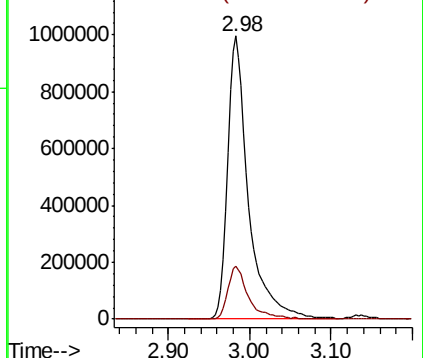
51 100

67 18.8 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.166 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037339.D

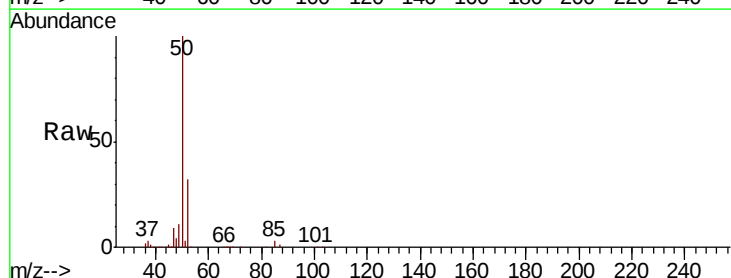
Acq: 5 Aug 2021 11:55

Tgt Ion: 50 Resp: 607544

Ion Ratio Lower Upper

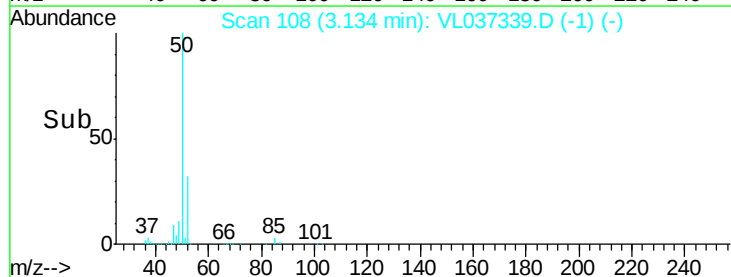
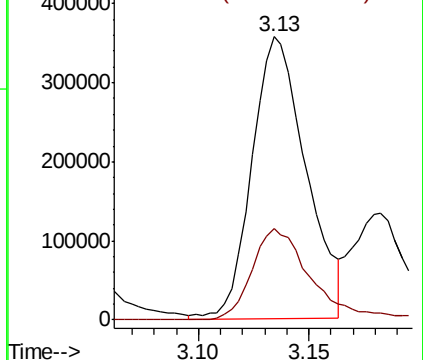
50 100

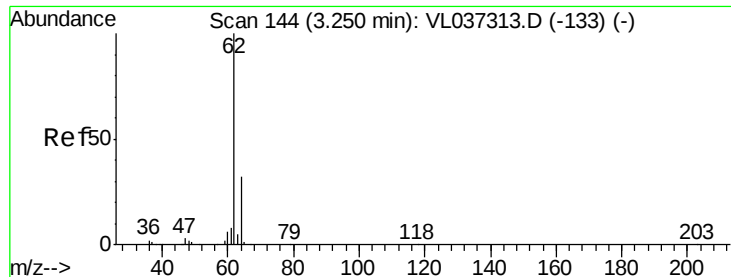
52 32.9 25.1 37.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.538 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037339.D

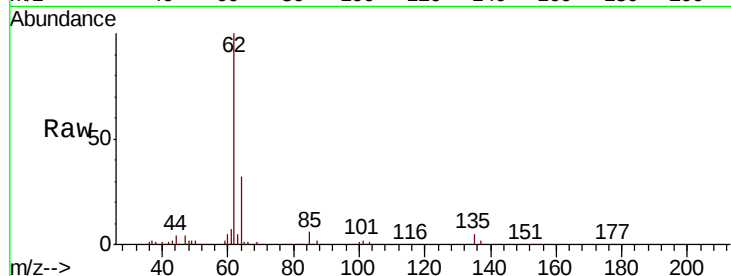
Acq: 5 Aug 2021 11:55

Tot Ion: 62 Resp: 664867

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

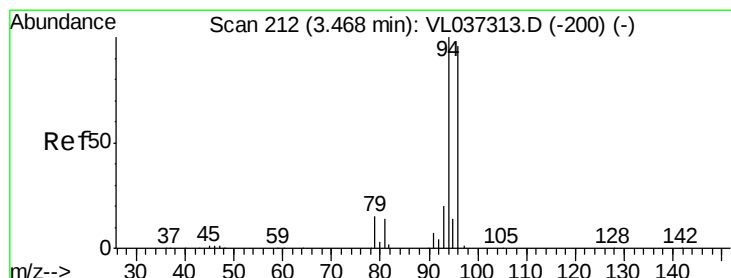
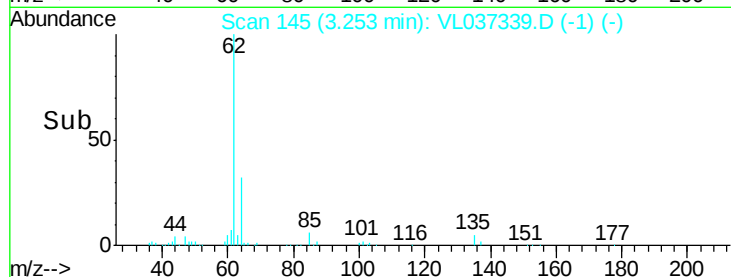
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 7.515 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037339.D

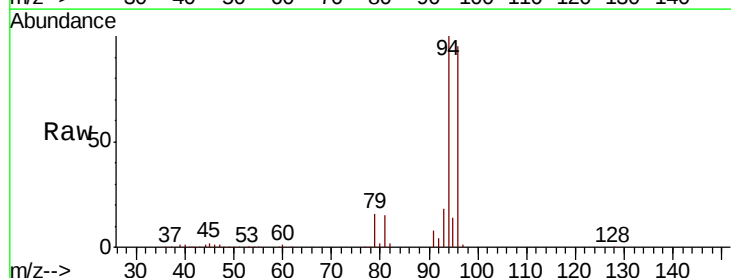
Acq: 5 Aug 2021 11:55

Tgt Ion: 94 Resp: 361135

Ion Ratio Lower Upper

94 100

96 95.0 76.7 115.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

200000

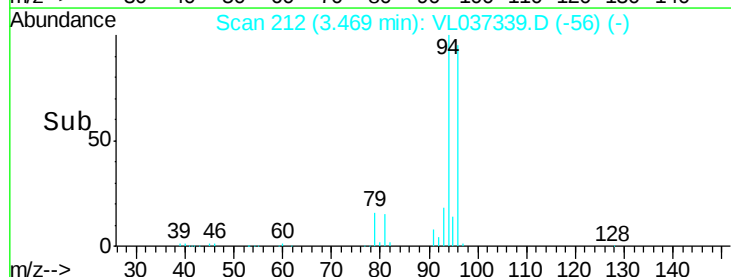
150000

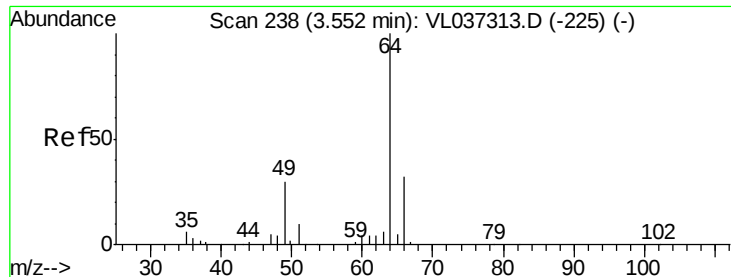
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.626 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL037339.D

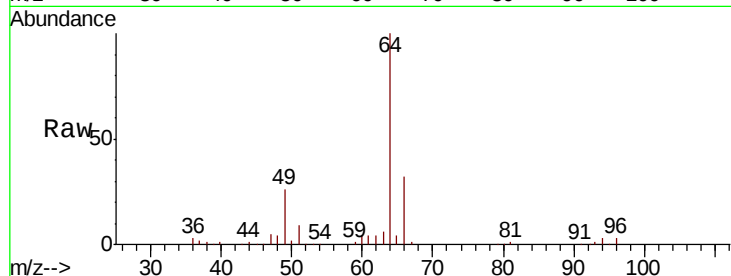
Acq: 5 Aug 2021 11:55

Tot Ion: 64 Resp: 238668

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

100000

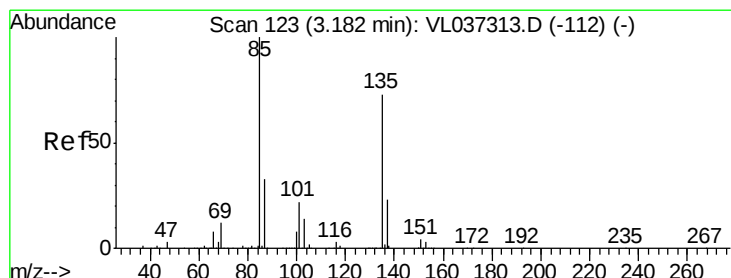
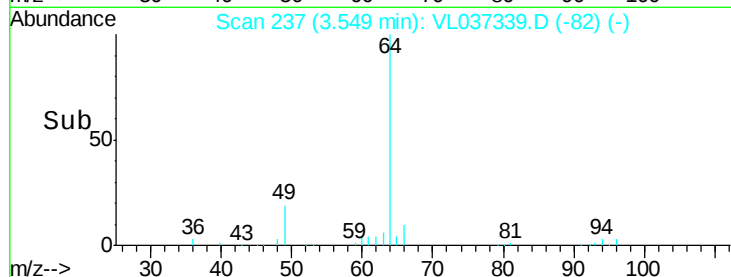
50000

0

3.55

3.50 3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.232 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037339.D

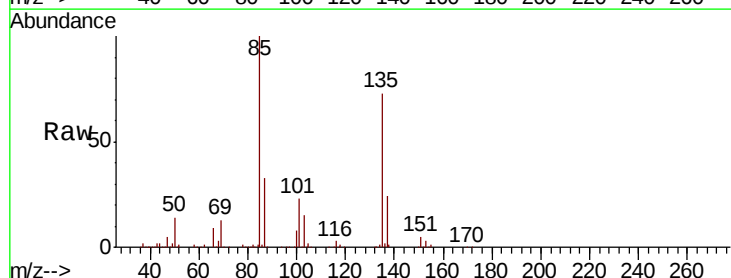
Acq: 5 Aug 2021 11:55

Tgt Ion: 85 Resp: 1633898

Ion Ratio Lower Upper

85 100

135 77.9 60.6 91.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

400000

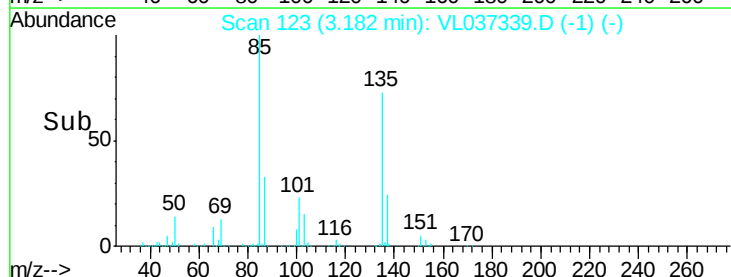
200000

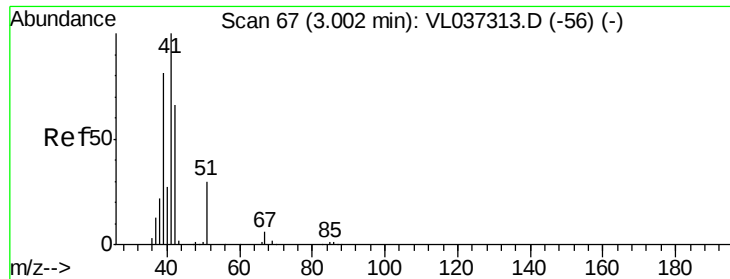
0

3.18

3.10 3.15 3.20 3.25

Time-->





#9

Propene

Concen: 7.605 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037339.D

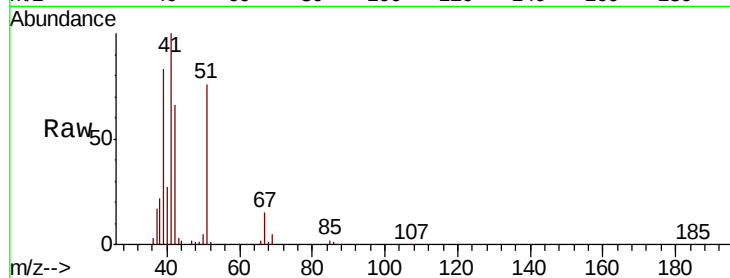
Acq: 5 Aug 2021 11:55

Tot Ion: 41 Resp: 571236

Ion Ratio Lower Upper

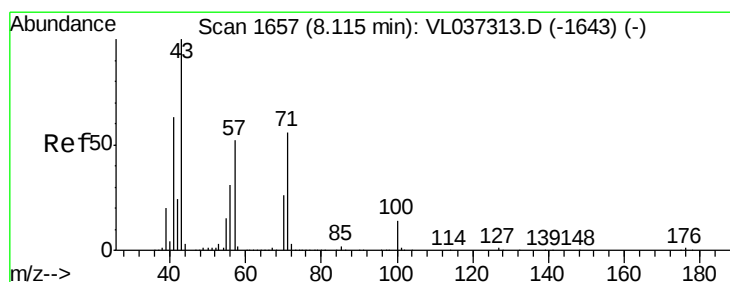
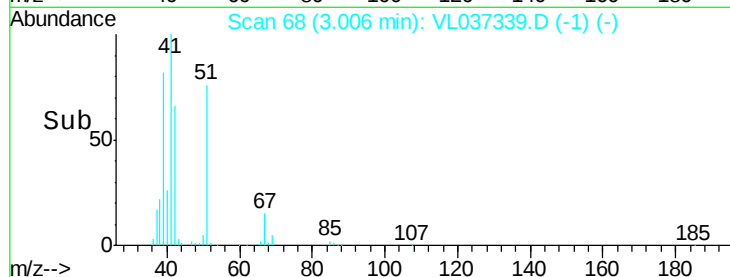
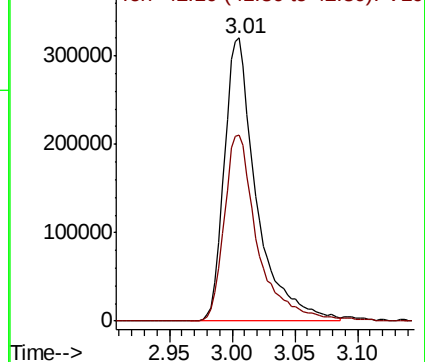
41 100

42 68.4 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.200 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL037339.D

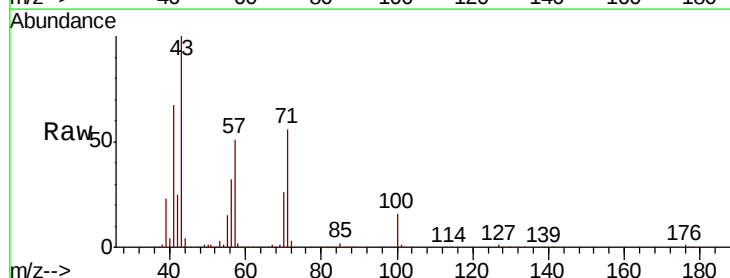
Acq: 5 Aug 2021 11:55

Tgt Ion: 43 Resp: 1438674

Ion Ratio Lower Upper

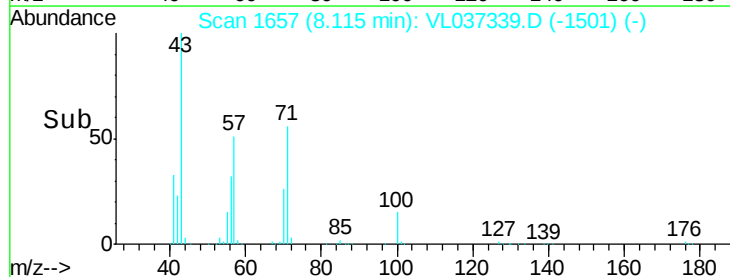
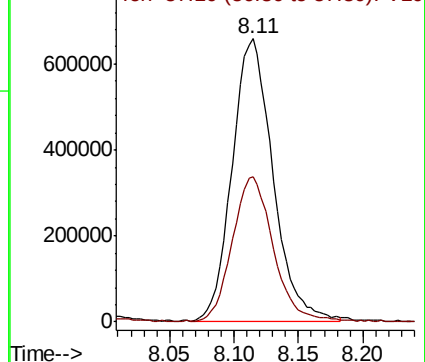
43 100

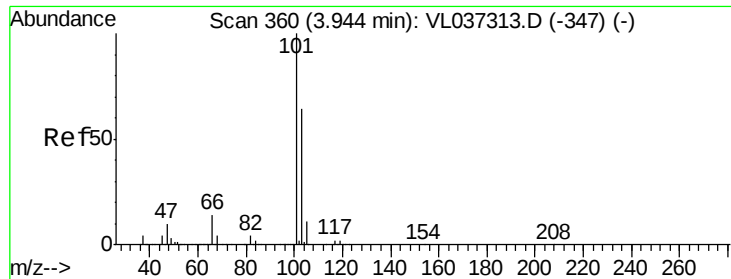
57 52.2 42.4 63.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

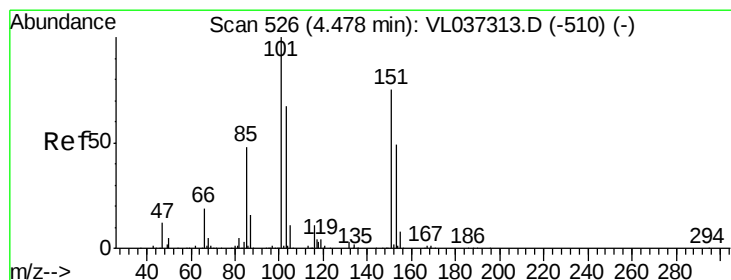
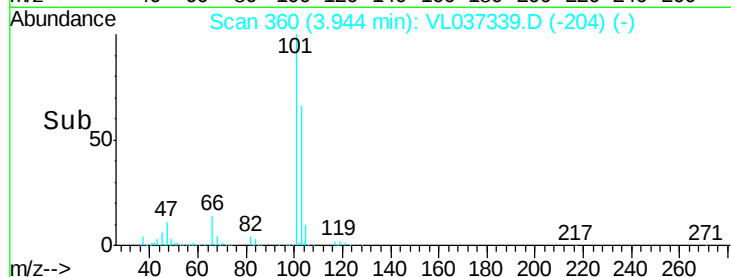
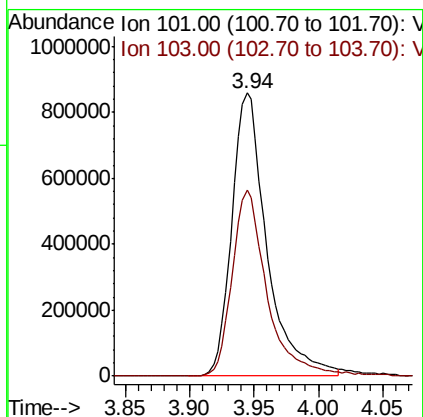
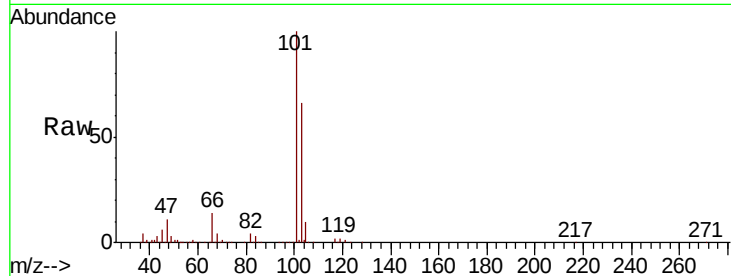
Ion 57.10 (56.80 to 57.80): VL0





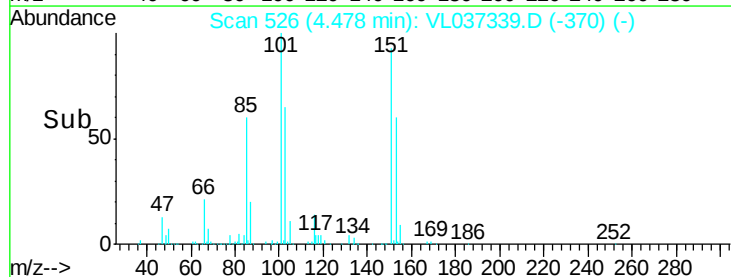
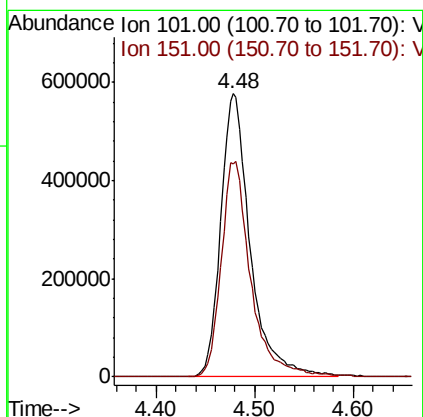
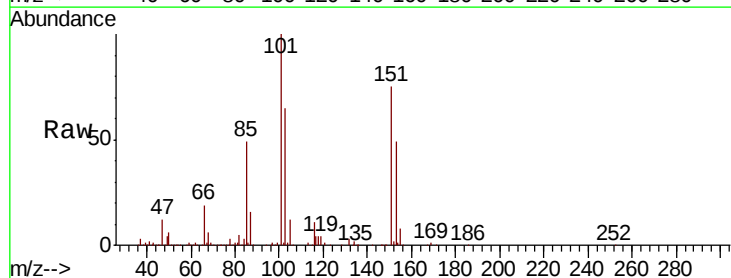
#11
 Trichlorofluoromethane
 Concen: 8.518 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

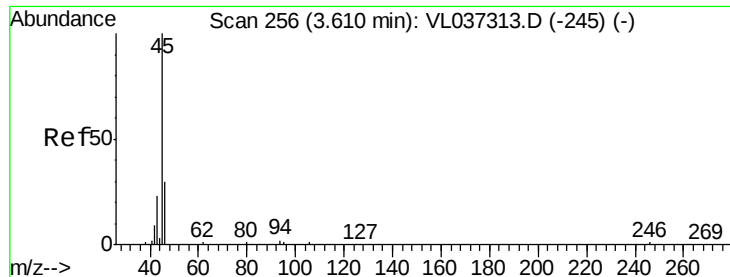
Tot Ion:101 Resp: 1625585
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.738 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion:101 Resp: 1212527
 Ion Ratio Lower Upper
 101 100
 151 76.5 60.6 91.0





#13

Ethanol

Concen: 6.759 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL037339.D

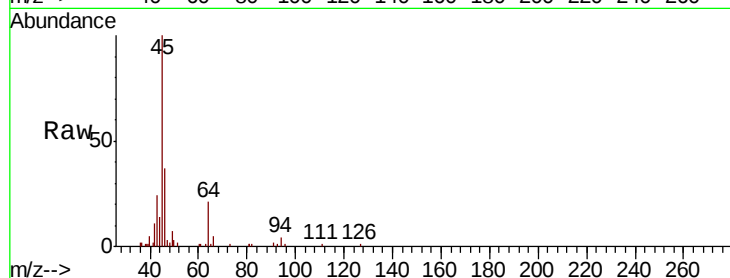
Acq: 5 Aug 2021 11:55

Tot Ion: 45 Resp: 76469

Ion Ratio Lower Upper

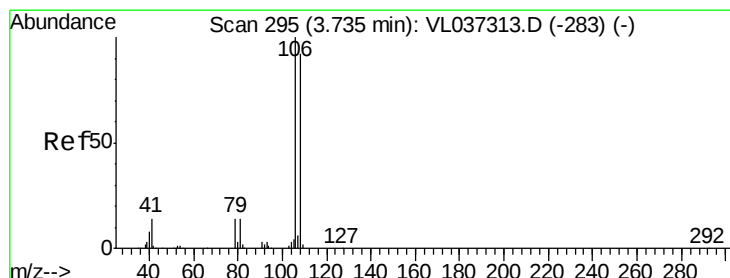
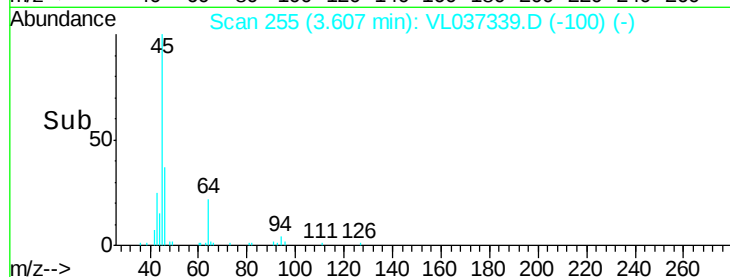
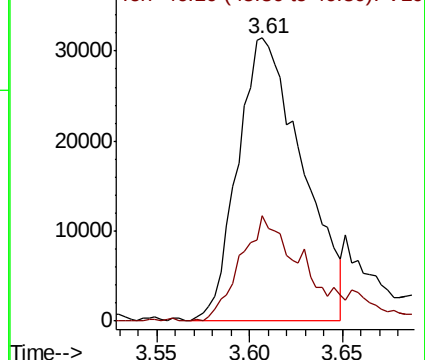
45 100

46 41.8 16.6 66.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 8.427 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

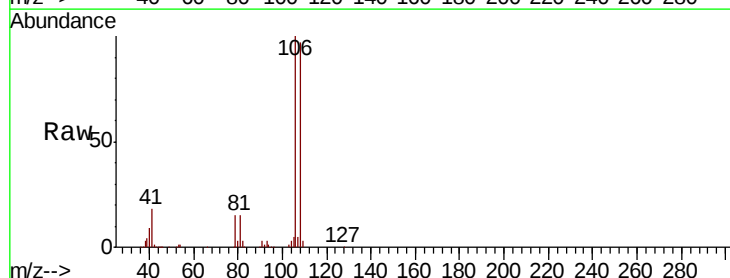
Tgt Ion: 108 Resp: 522042

Ion Ratio Lower Upper

108 100

106 111.6 86.9 130.3

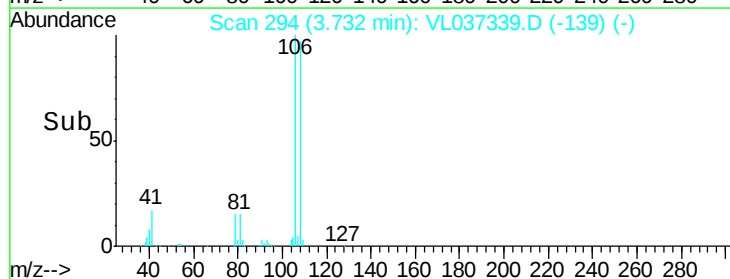
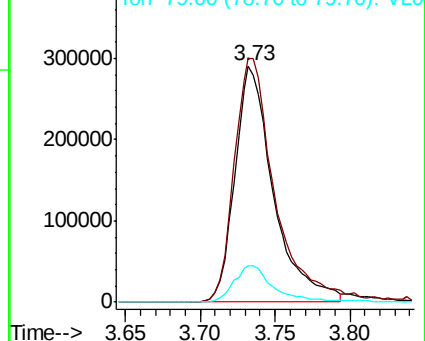
79 16.4 12.3 18.5

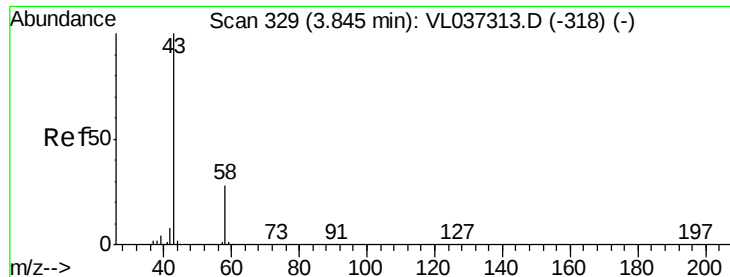


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.772 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL037339.D

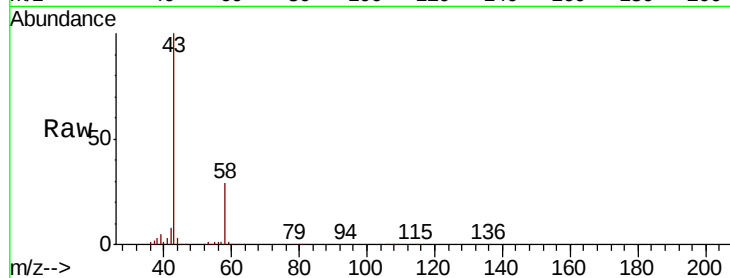
Acq: 5 Aug 2021 11:55

Tot Ion: 43 Resp: 1084567

Ion Ratio Lower Upper

43 100

58 31.0 25.3 37.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

600000

500000

400000

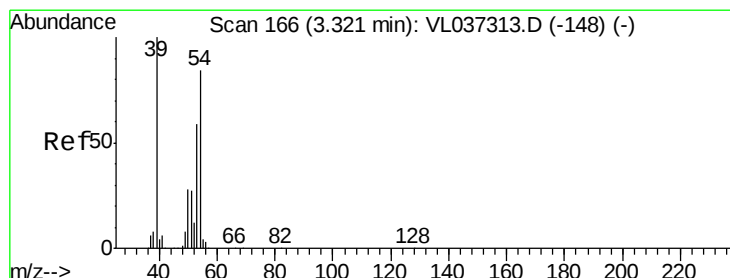
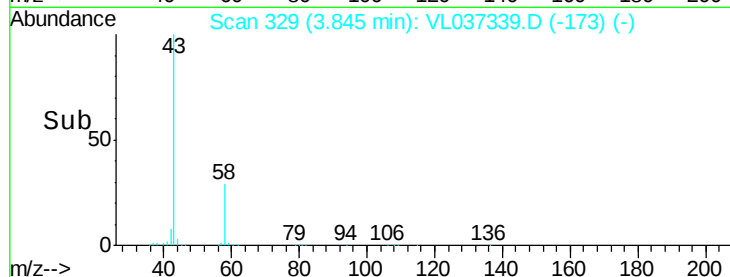
300000

200000

100000

0

Time--> 3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 8.709 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037339.D

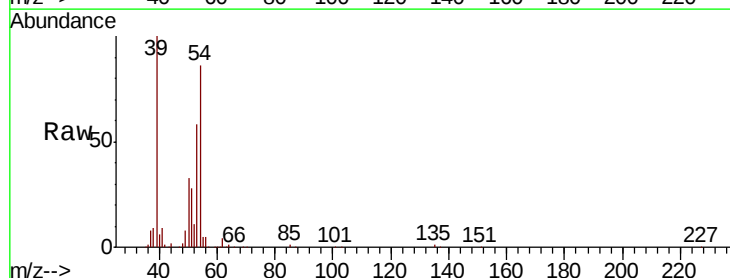
Acq: 5 Aug 2021 11:55

Tgt Ion: 39 Resp: 622655

Ion Ratio Lower Upper

39 100

54 76.2 66.1 99.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

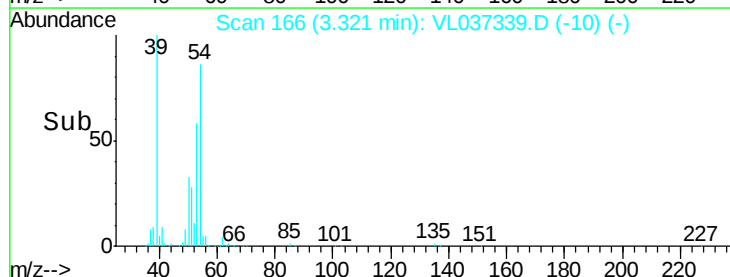
300000

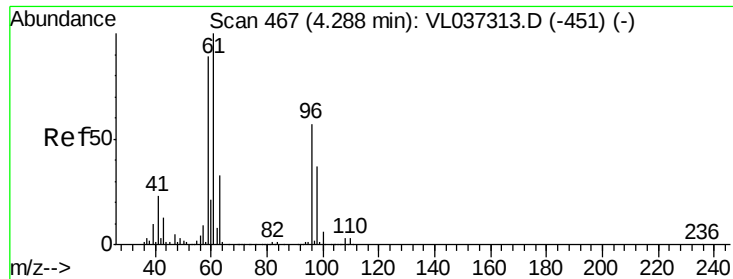
200000

100000

0

Time--> 3.25 3.30 3.35 3.40





#17

tert-Butyl alcohol

Concen: 8.840 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL037339.D

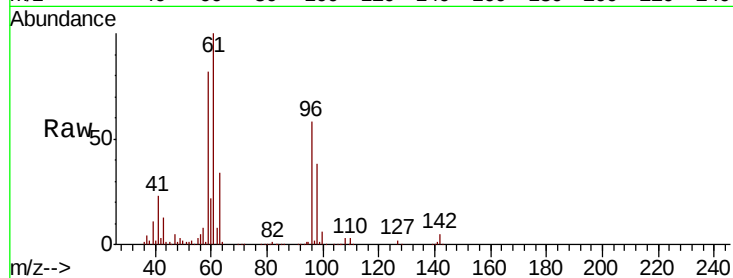
Acq: 5 Aug 2021 11:55

Tot Ion: 59 Resp: 985397

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

400000

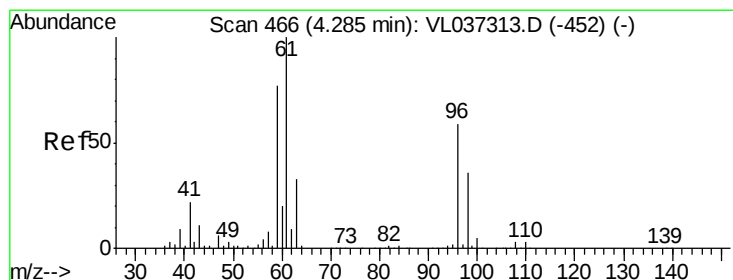
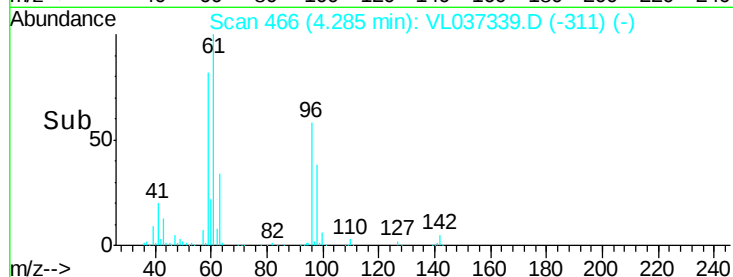
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 8.812 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

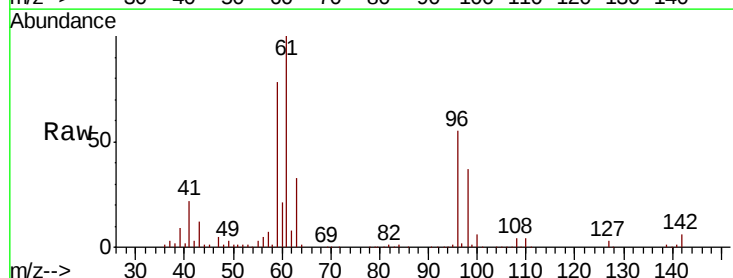
Tgt Ion: 96 Resp: 558550

Ion Ratio Lower Upper

96 100

61 181.2 135.7 203.5

98 67.5 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

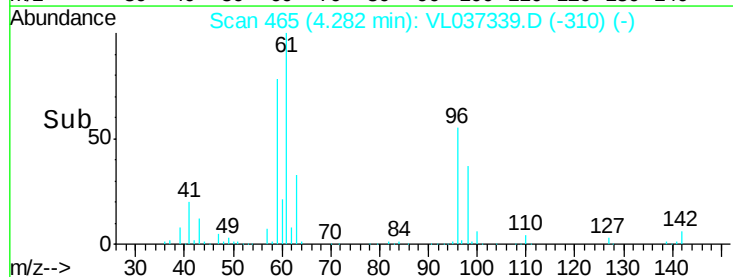
600000

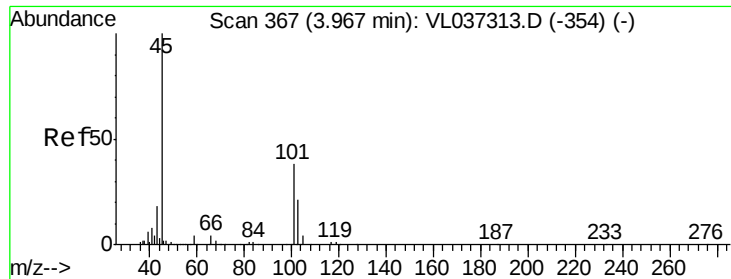
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.111 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037339.D

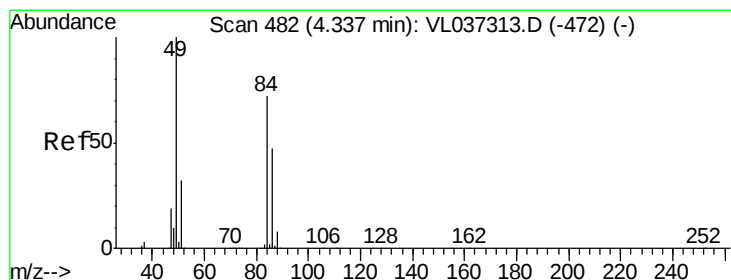
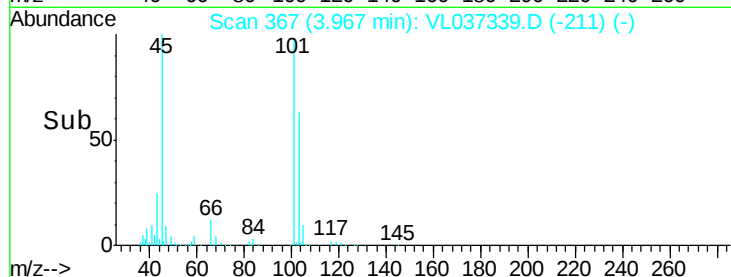
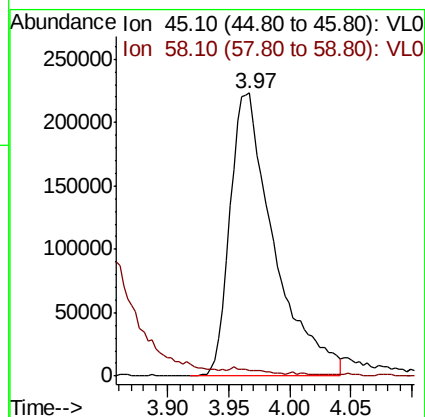
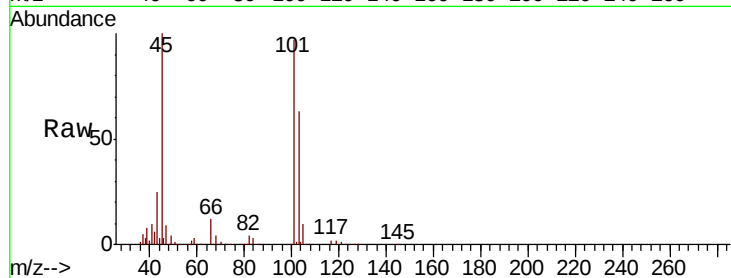
Acq: 5 Aug 2021 11:55

Tot Ion: 45 Resp: 559657

Ion Ratio Lower Upper

45 100

58 63.1 1.8 2.8#



#20

Methylene Chloride

Concen: 5.023 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion: 84 Resp: 461565

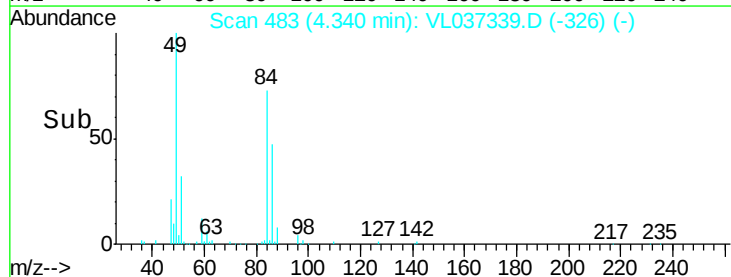
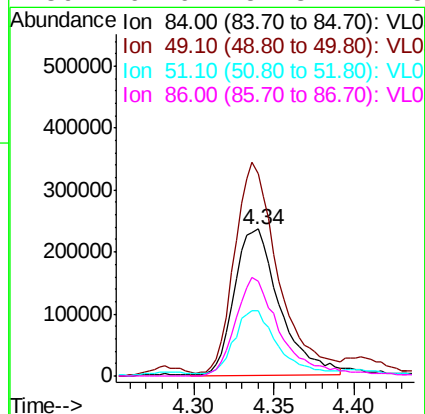
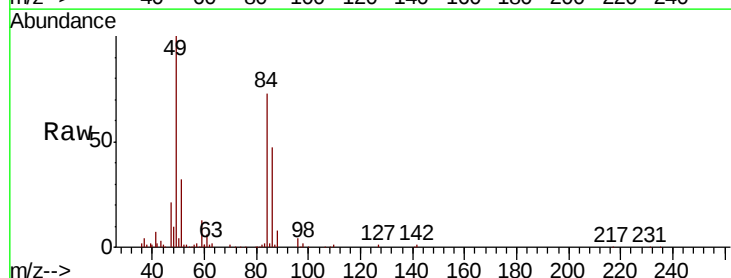
Ion Ratio Lower Upper

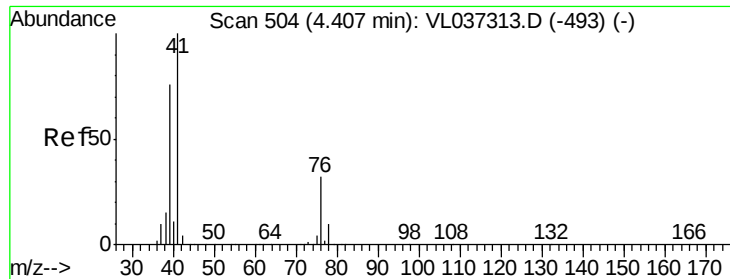
84 100

49 134.9 110.4 165.6

51 42.5 35.8 53.6

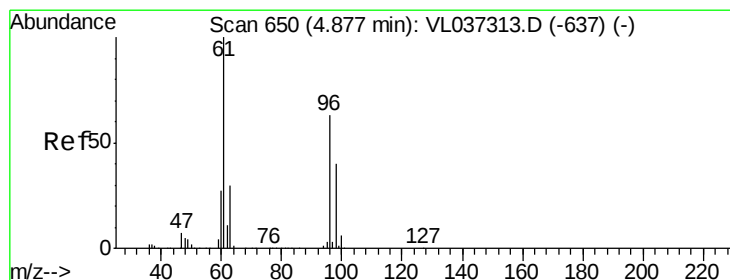
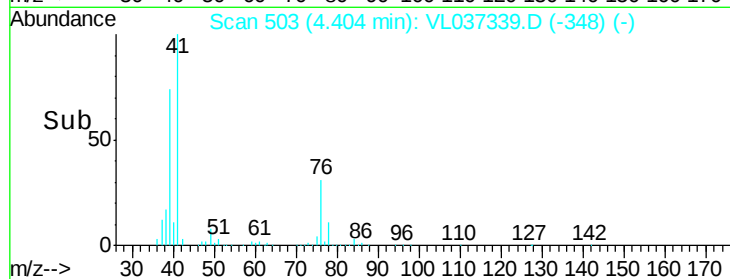
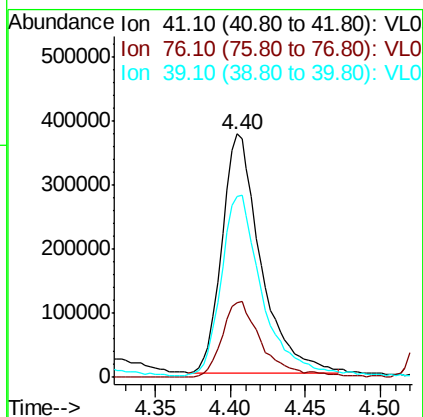
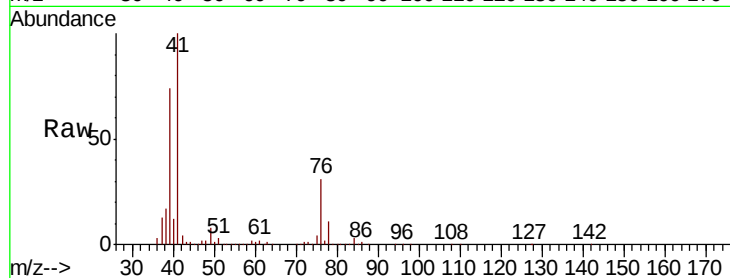
86 64.6 51.8 77.8





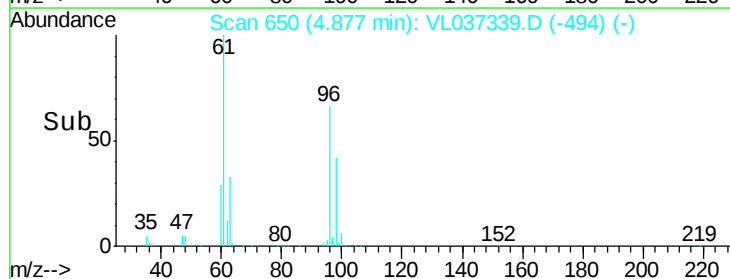
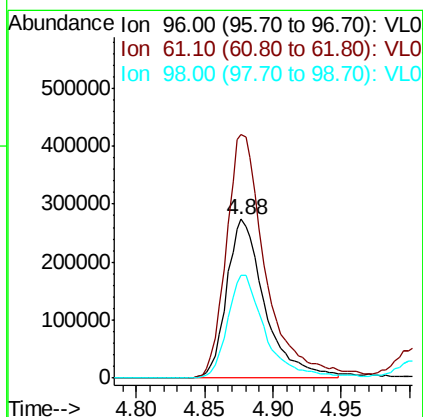
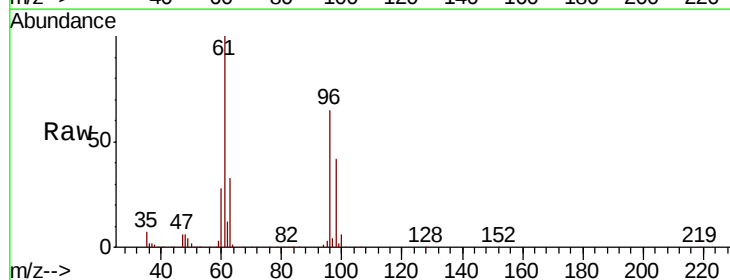
#21
 Allvl Chloride
 Concen: 7.482 ppbv
 RT: 4.40 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

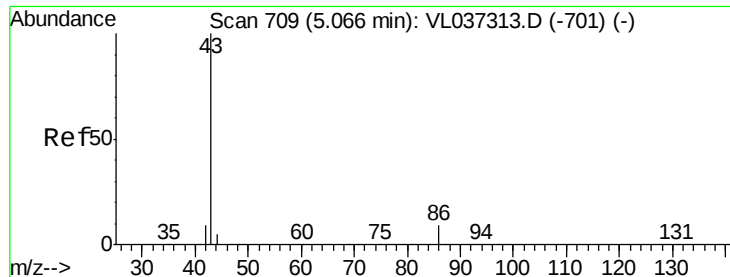
Tot Ion	Ratio	Lower	Upper
41	100		
76	33.0	25.7	38.5
39	84.1	59.0	88.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.226 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.7	190.1
98	64.5	50.9	76.3

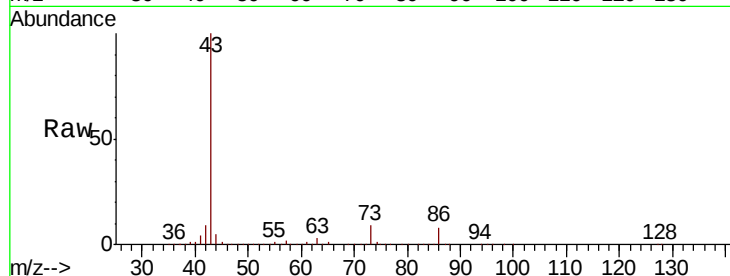




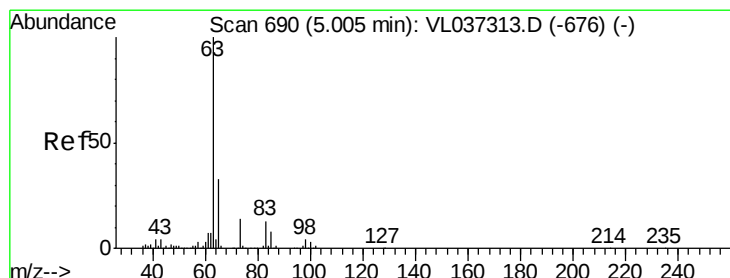
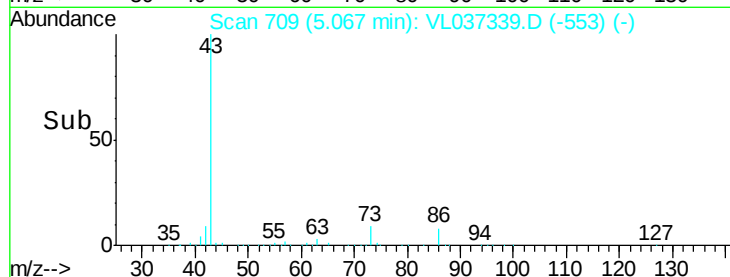
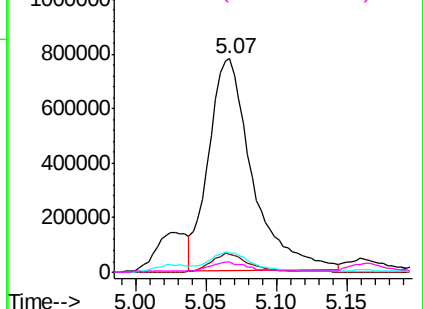
#23
 Vinyl Acetate
 Concen: 9.973 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tot Ion: 43 Resp: 1671557

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.2
42	9.1	7.7	11.5
44	4.4	3.7	5.5



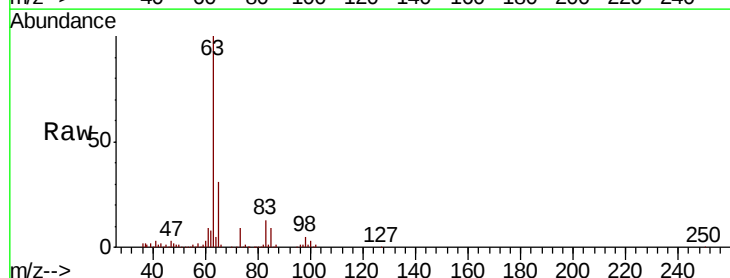
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



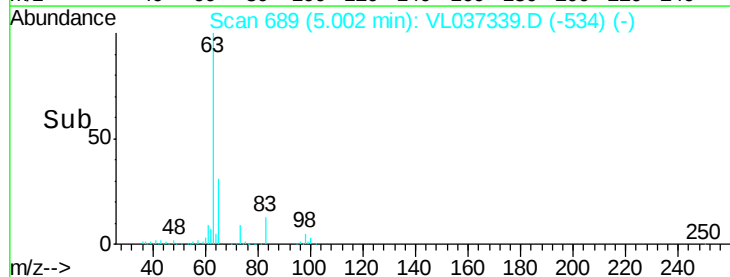
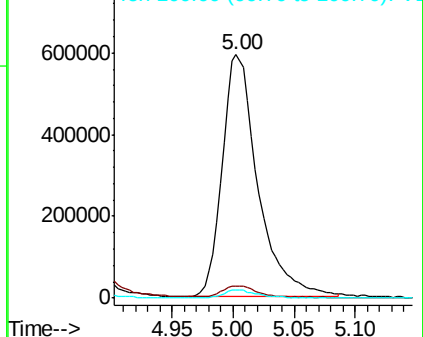
#24
 1,1-Dichloroethane
 Concen: 8.481 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

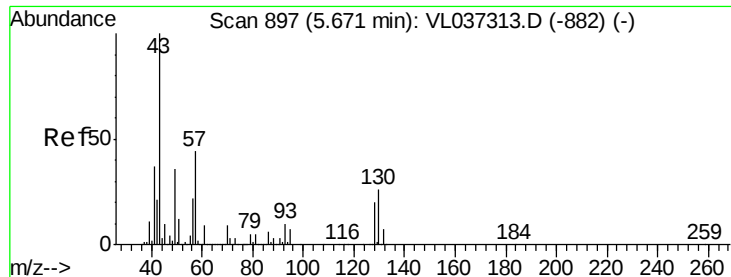
Tgt Ion: 63 Resp: 1215446

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.2
100	3.1	1.5	4.4



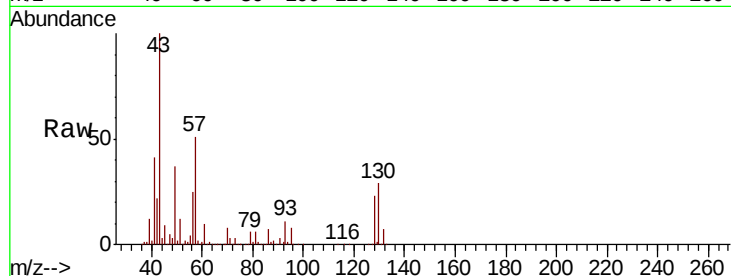
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0



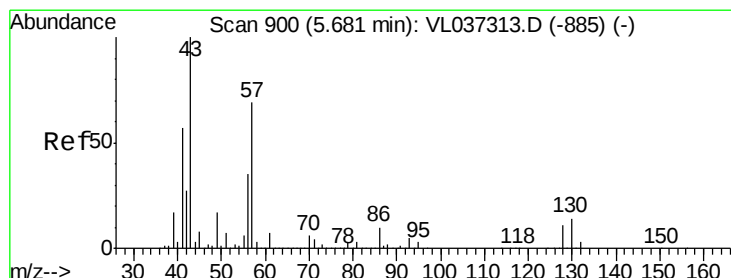
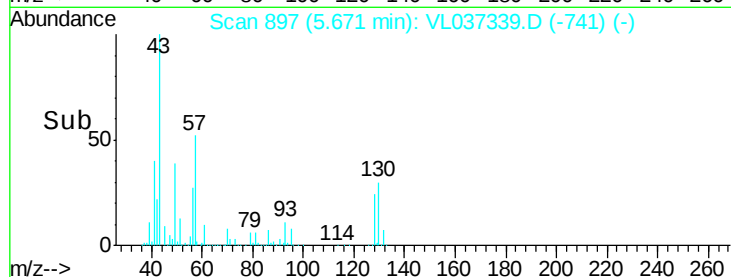
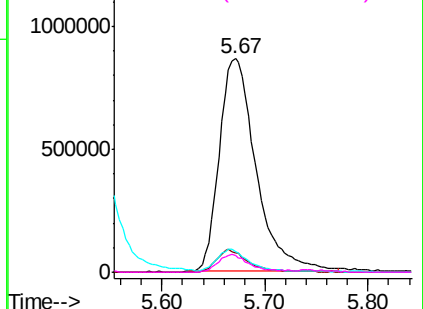


#25
Ethyl Acetate
Concen: 7.467 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tot Ion:	43	Resp:	2155116
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.8
61	10.0	8.6	12.8
70	7.0	5.9	8.9

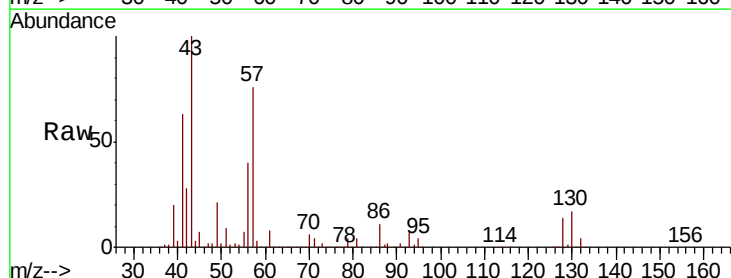


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

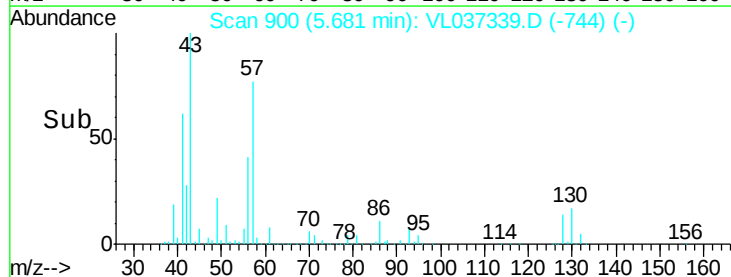
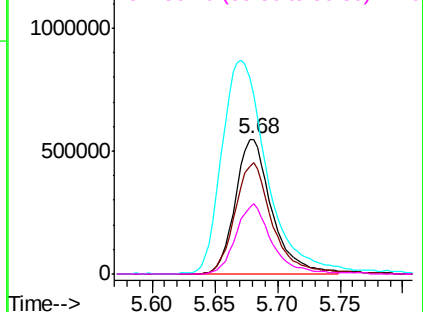


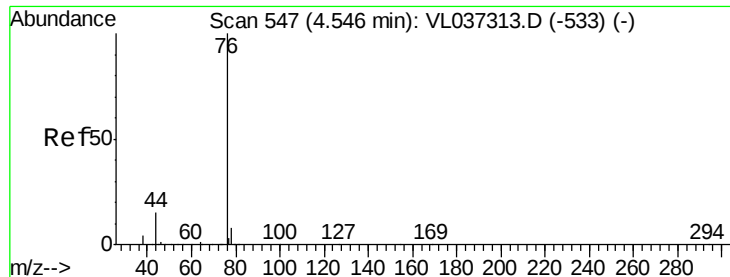
#26
Hexane
Concen: 6.886 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion:	57	Resp:	1111988
Ion	Ratio	Lower	Upper
57	100		
41	85.7	67.5	101.3
43	196.9	163.0	244.4
56	51.8	41.5	62.3



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: 8.852 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

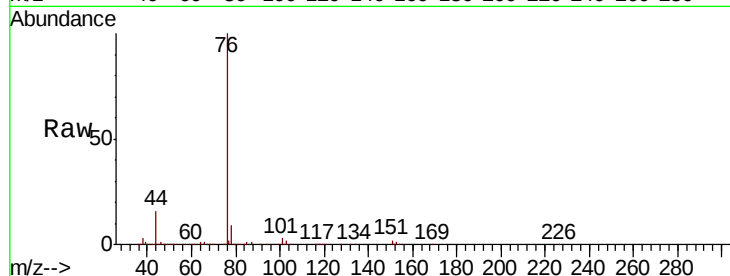
Tot Ion: 76 Resp: 1163386

Ion Ratio Lower Upper

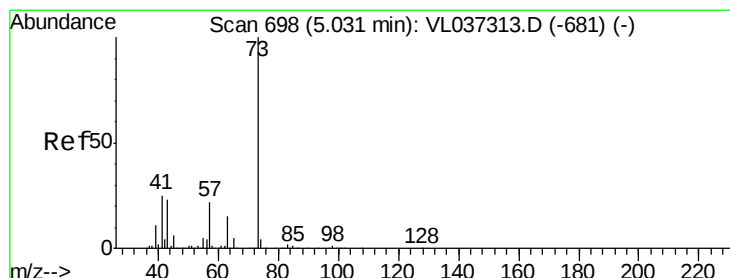
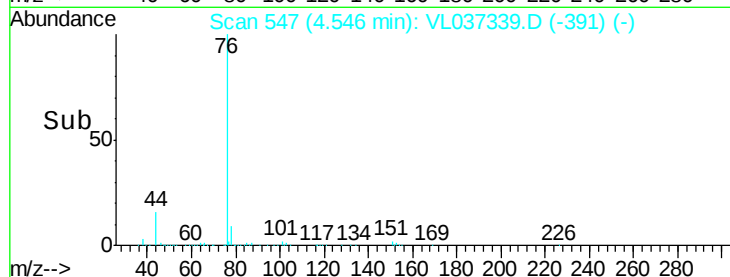
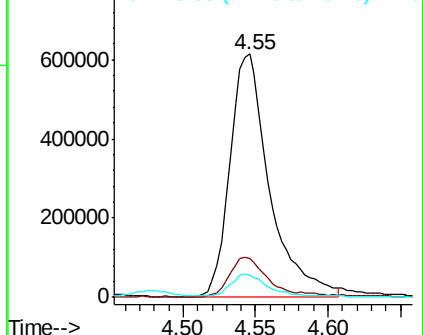
76 100

44 16.5 13.1 19.7

78 9.8 8.0 12.0



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



#28

Methyl tert-Butyl Ether

Concen: 7.924 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL037339.D

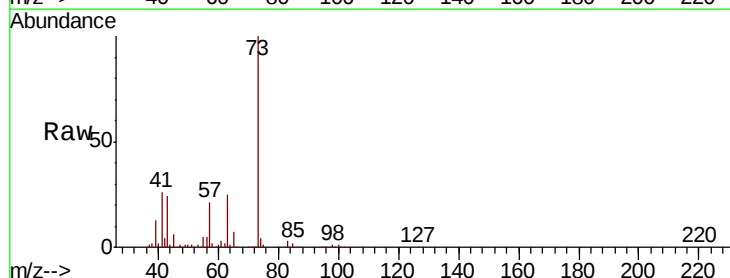
Acq: 5 Aug 2021 11:55

Tgt Ion: 73 Resp: 1359038

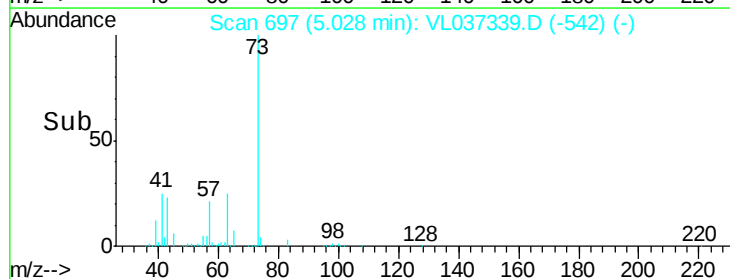
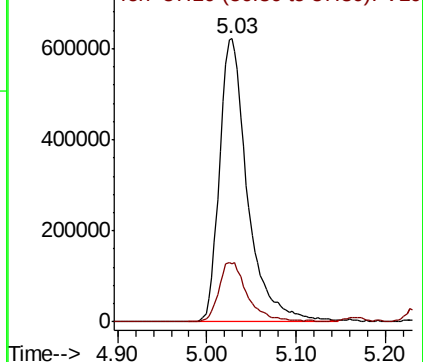
Ion Ratio Lower Upper

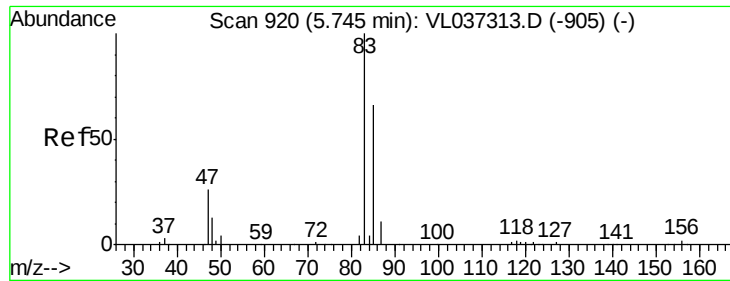
73 100

57 21.6 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.389 ppbv

RT: 5.75 min Scan# 920

Delta R.T. 0.00 min

Lab File: VL037339.D

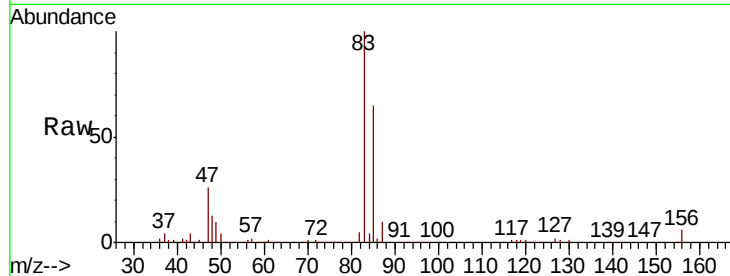
Acq: 5 Aug 2021 11:55

Tot Ion: 83 Resp: 1715659

Ion Ratio Lower Upper

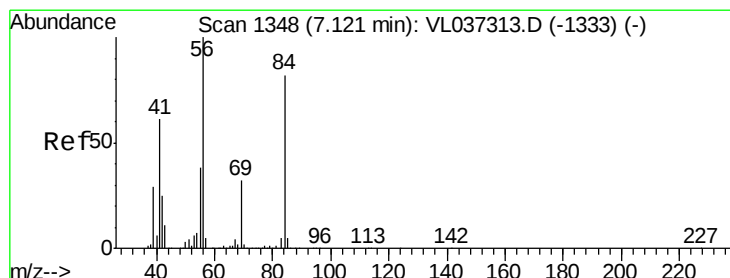
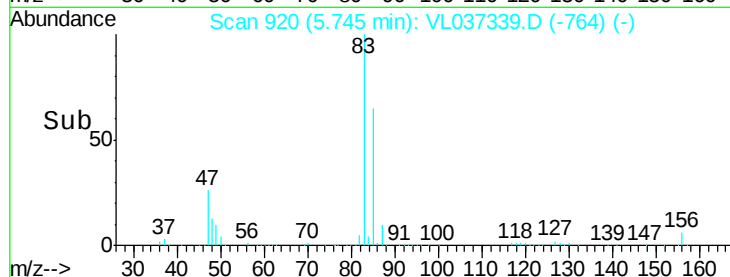
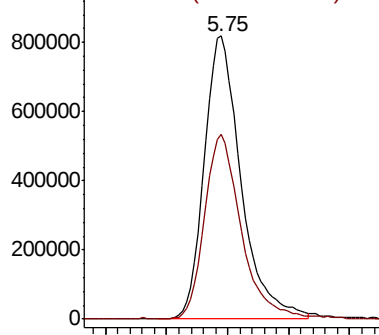
83 100

85 65.3 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 8.019 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

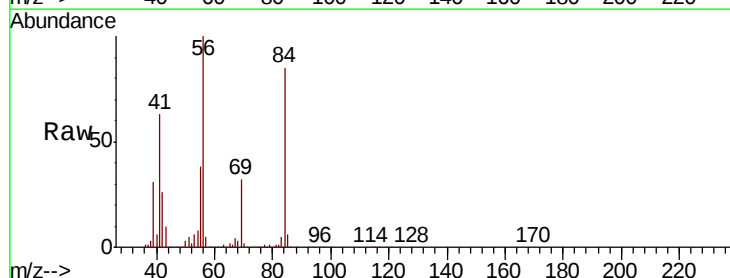
Tgt Ion: 84 Resp: 998660

Ion Ratio Lower Upper

84 100

56 130.6 105.2 157.8

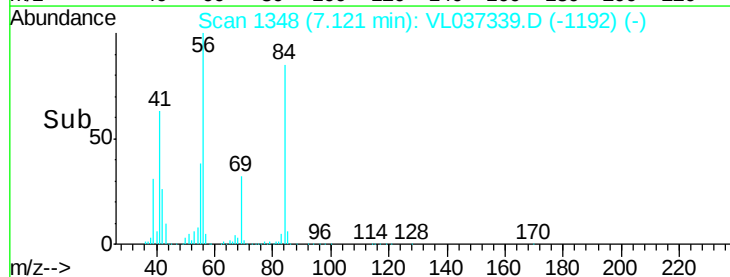
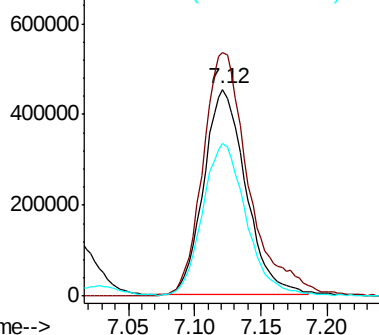
41 77.9 61.3 91.9

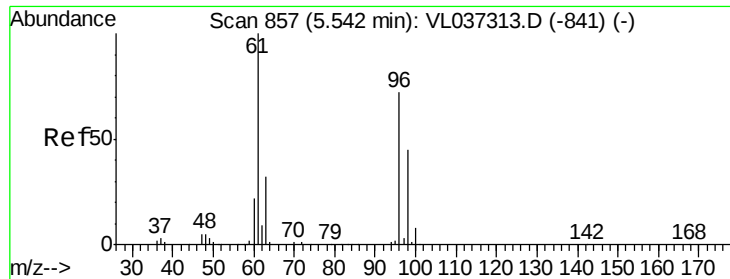


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



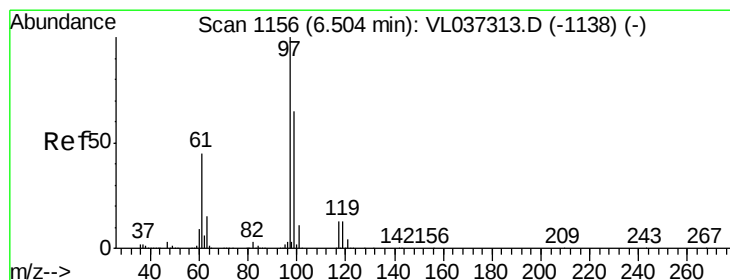
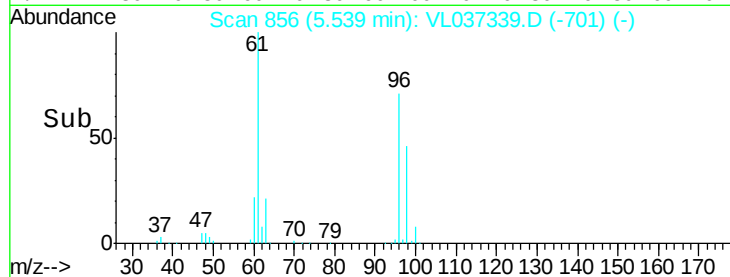
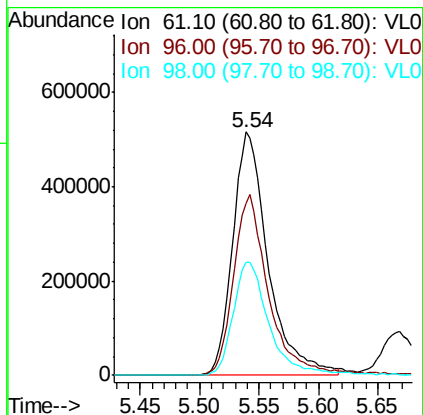
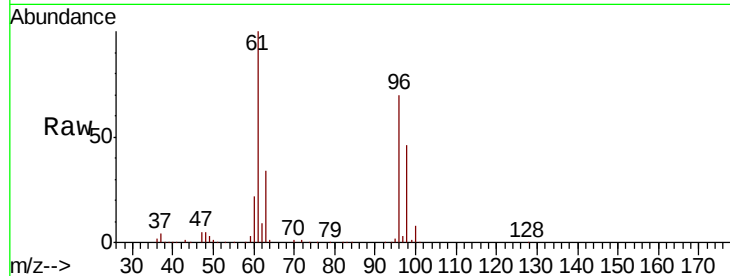


#31

cis-1,2-Dichloroethene
 Concen: 8.472 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tot Ion: 61 Resp: 1062692

Ion	Ratio	Lower	Upper
61	100		
96	70.4	57.4	86.0
98	46.1	36.3	54.5

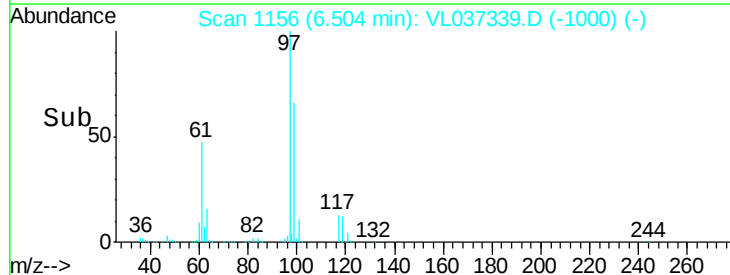
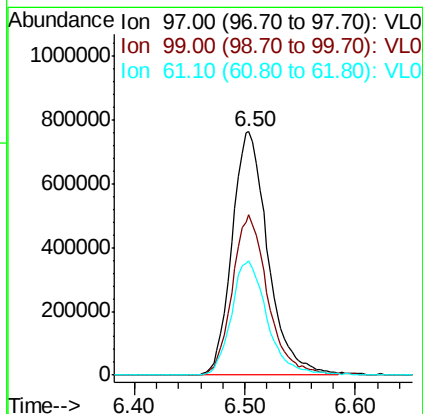
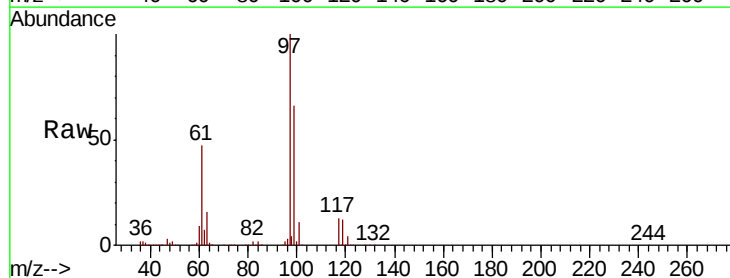


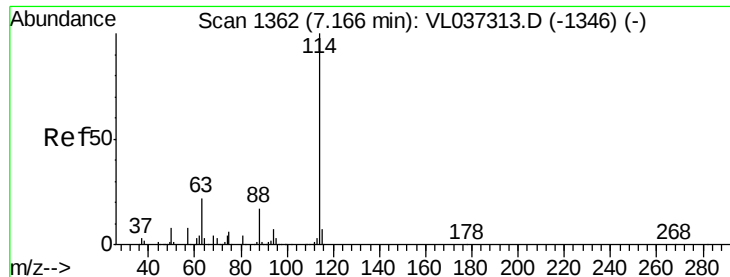
#32

1,1,1-Trichloroethane
 Concen: 8.842 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion: 97 Resp: 1724180

Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	47.1	37.2	55.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

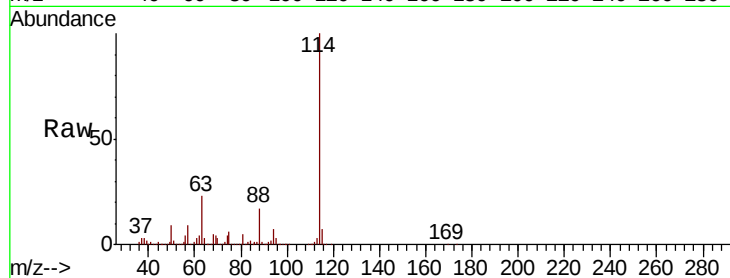
Tot Ion:114 Resp: 3353614

Ion Ratio Lower Upper

114 100

63 22.6 18.1 27.1

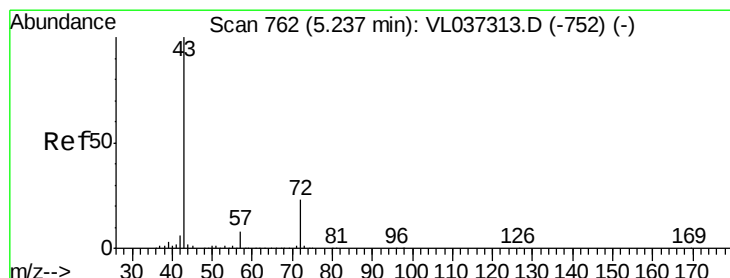
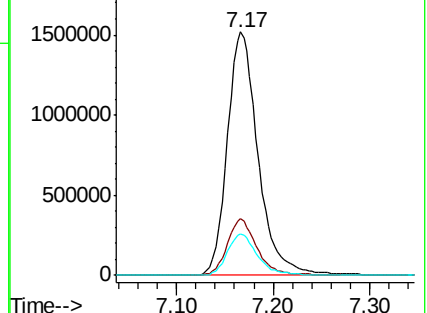
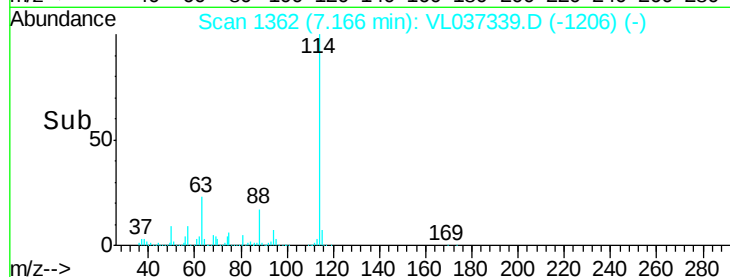
88 16.8 13.8 20.8



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: 8.494 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.00 min

Lab File: VL037339.D

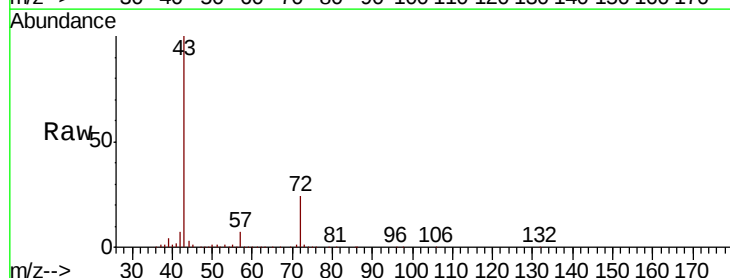
Acq: 5 Aug 2021 11:55

Tgt Ion: 43 Resp: 988485

Ion Ratio Lower Upper

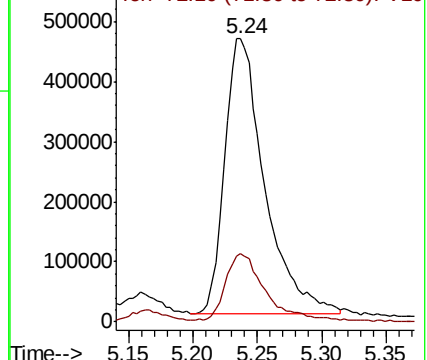
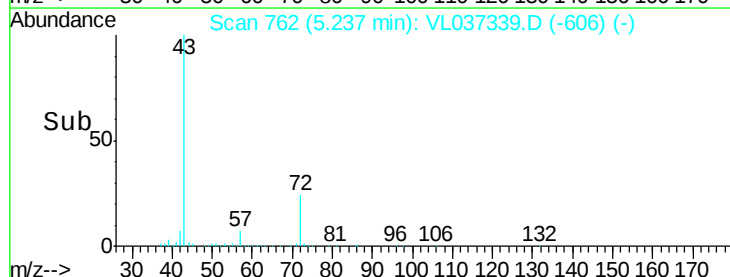
43 100

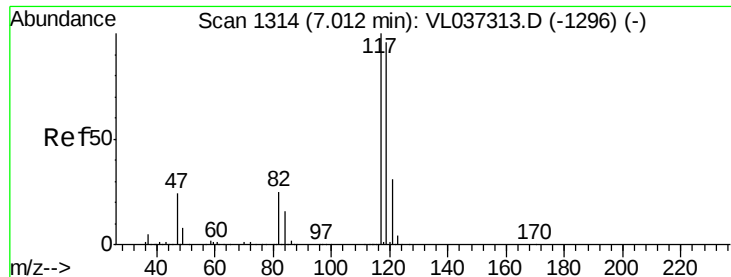
72 26.2 20.3 30.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.031 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

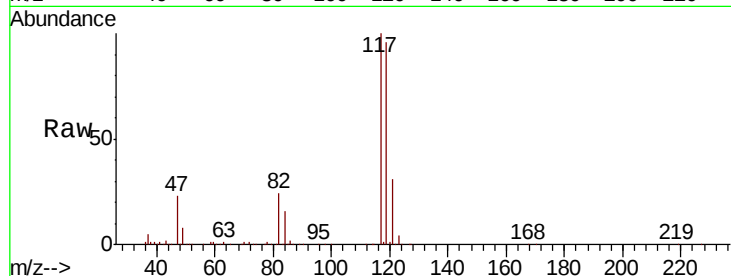
Tot Ion:117 Resp: 1807497

Ion Ratio Lower Upper

117 100

119 95.9 76.6 114.8

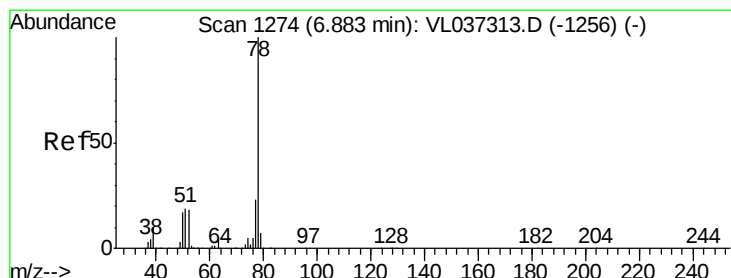
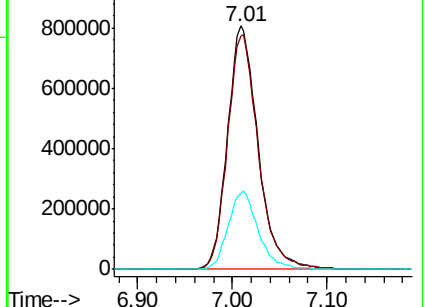
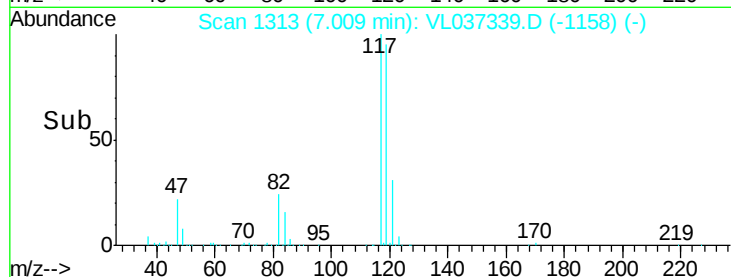
121 31.4 24.9 37.3



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: 7.965 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

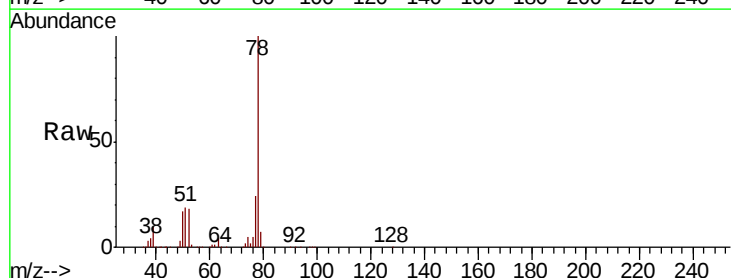
Tgt Ion: 78 Resp: 2403918

Ion Ratio Lower Upper

78 100

77 23.7 18.7 28.1

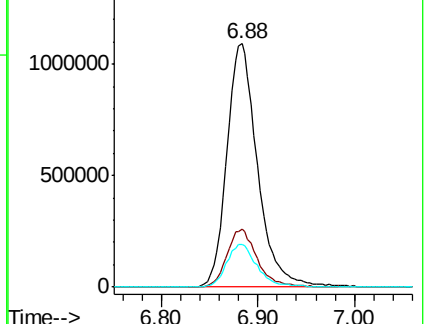
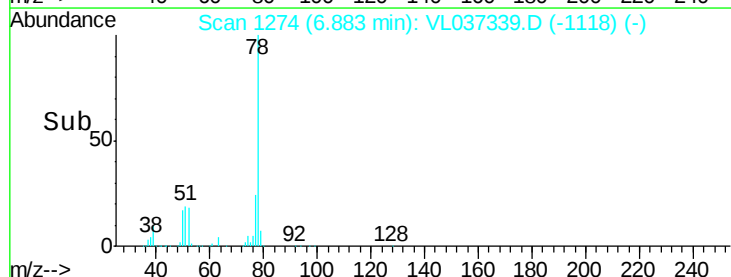
50 17.4 13.7 20.5

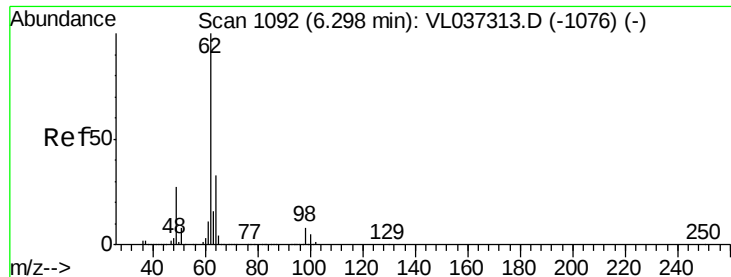


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

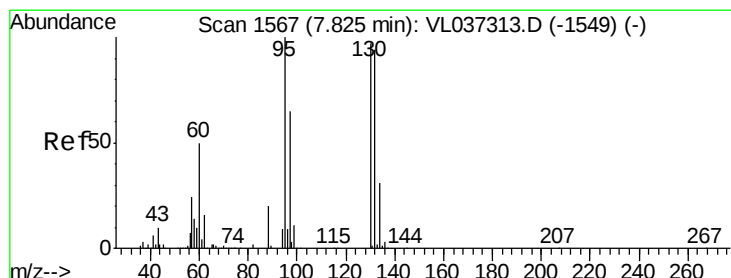
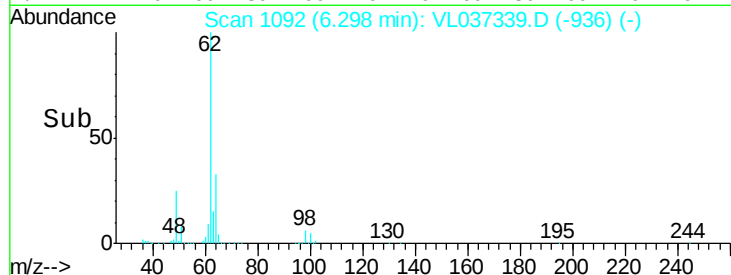
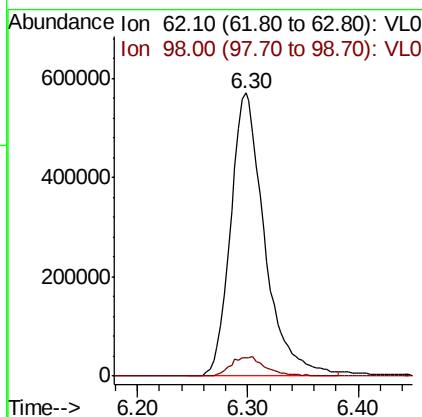
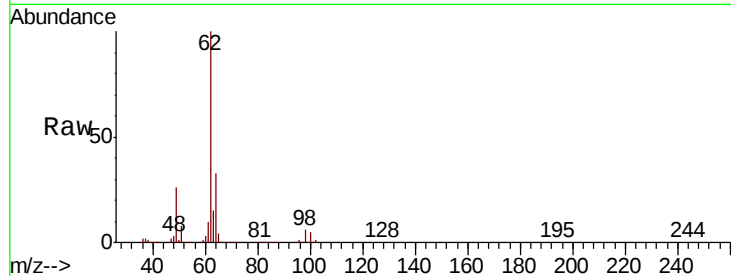
Ion 50.10 (49.80 to 50.80): VL0





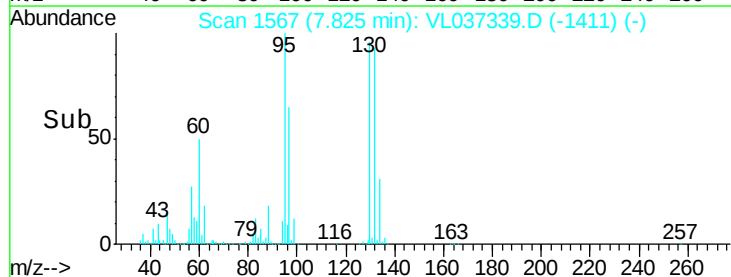
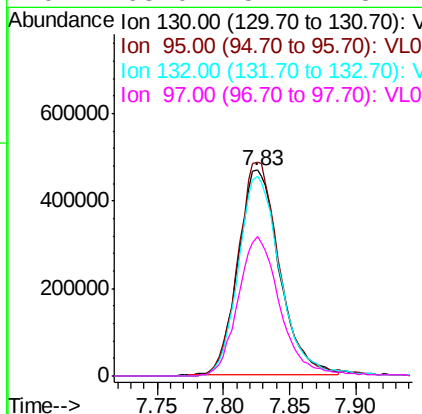
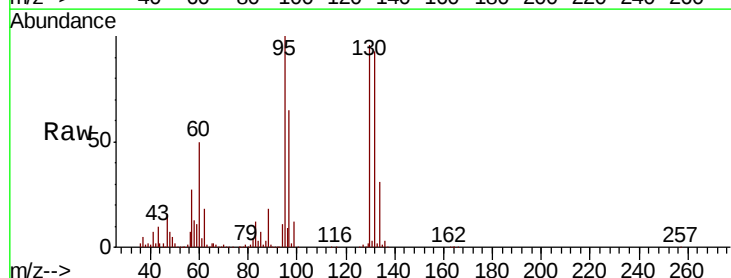
#37
 1,2-Dichloroethane
 Concen: 8.777 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

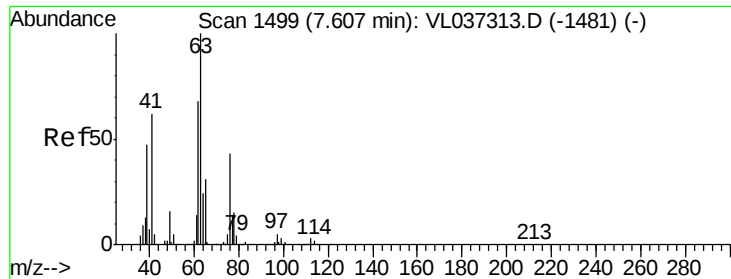
Tot Ion: 62 Resp: 1218489
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.3 9.5



#38
 Trichloroethene
 Concen: 7.730 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion: 130 Resp: 1021004
 Ion Ratio Lower Upper
 130 100
 95 104.3 82.8 124.2
 132 97.2 78.2 117.4
 97 68.0 54.2 81.2





#39

1,2-Dichloropropane

Concen: 7.903 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

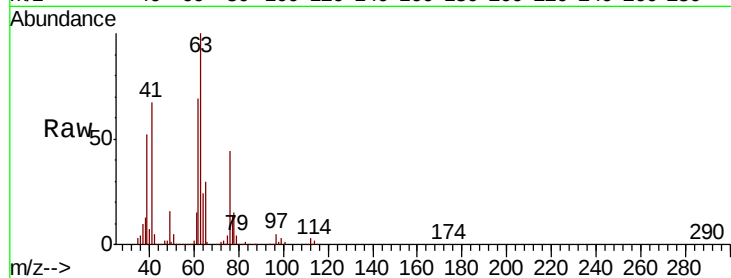
Tot Ion: 63 Resp: 888196

Ion Ratio Lower Upper

63 100

41 67.2 49.2 73.8

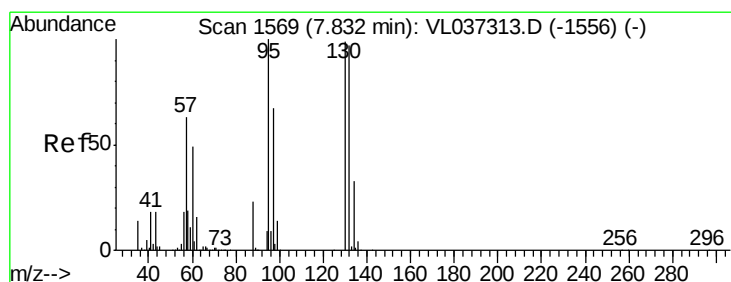
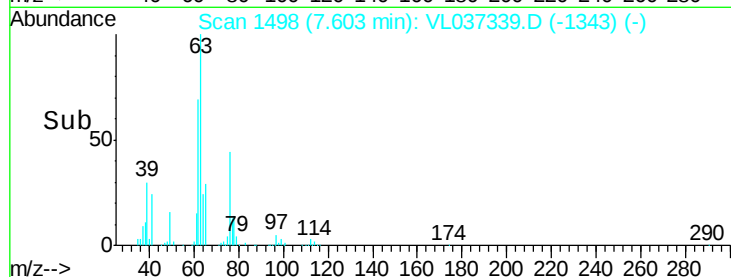
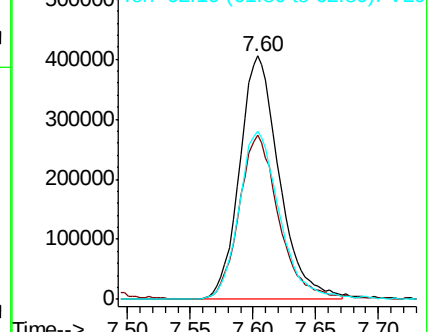
62 69.1 54.2 81.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 7.596 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion: 88 Resp: 245583

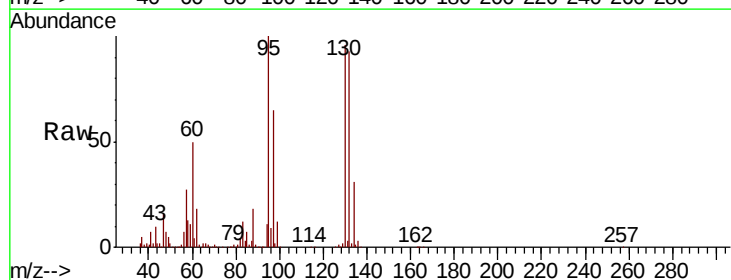
Ion Ratio Lower Upper

88 100

58 145.0 117.5 176.3

43 335.1 271.0 406.4

57 1583.7 1260.8 1891.2

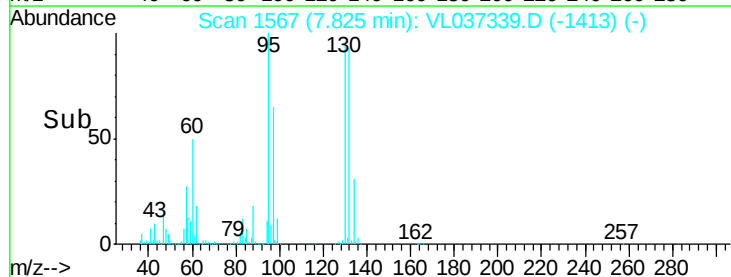
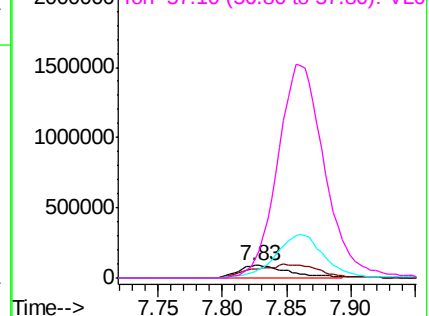


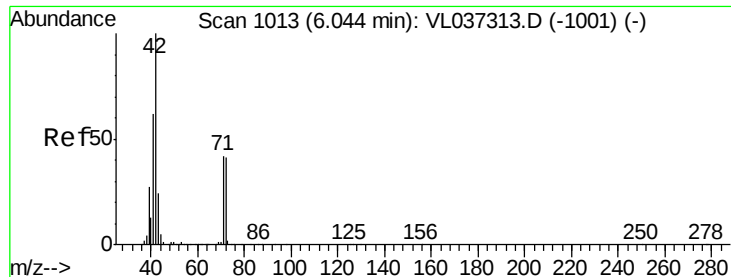
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 7.402 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

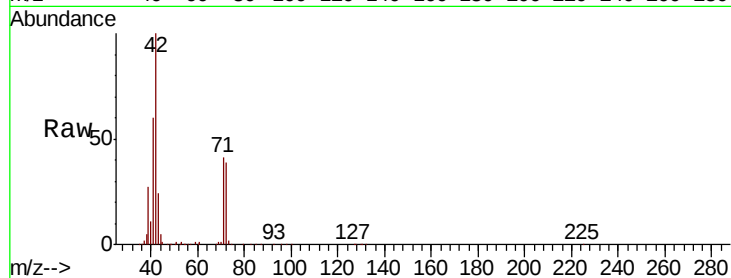
Tot Ion: 42 Resp: 479038

Ion Ratio Lower Upper

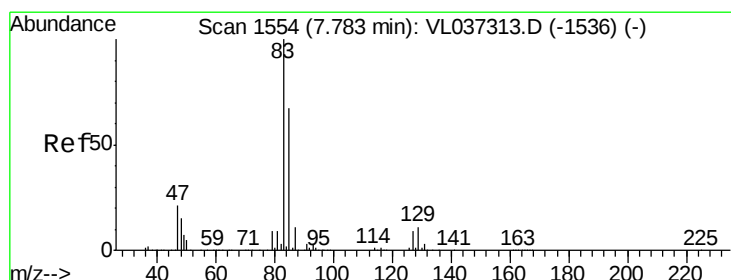
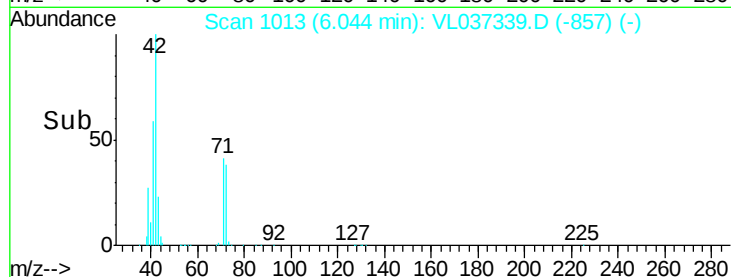
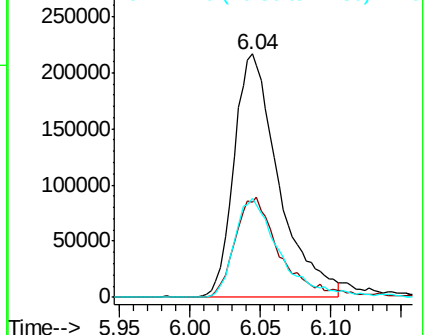
42 100

72 42.6 33.6 50.4

71 42.2 33.0 49.4



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 8.736 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

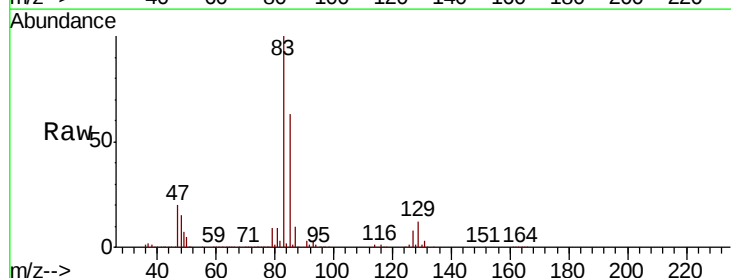
Tgt Ion: 83 Resp: 1825752

Ion Ratio Lower Upper

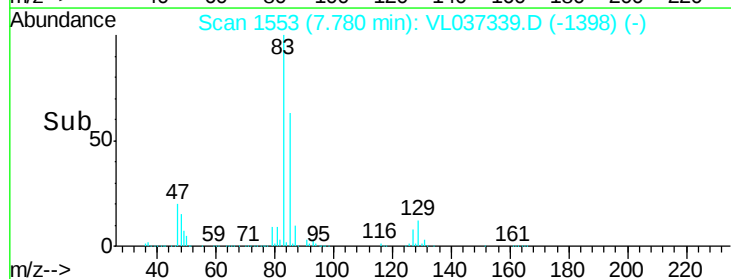
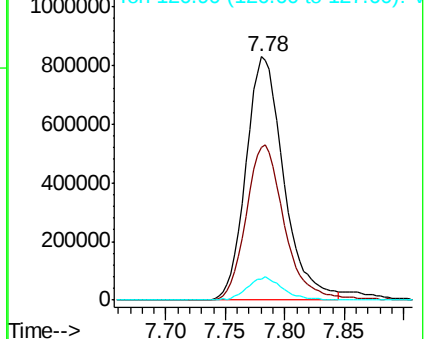
83 100

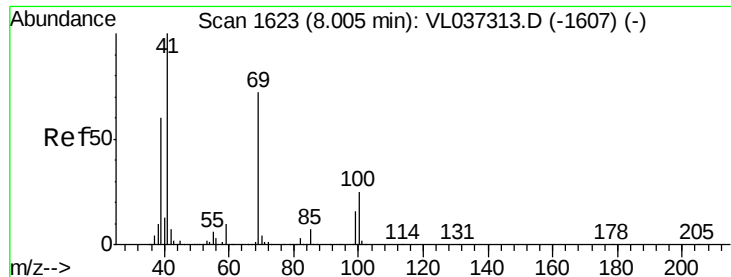
85 62.5 53.5 80.3

127 8.4 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methvl Methacrvlate

Concen: 8.825 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

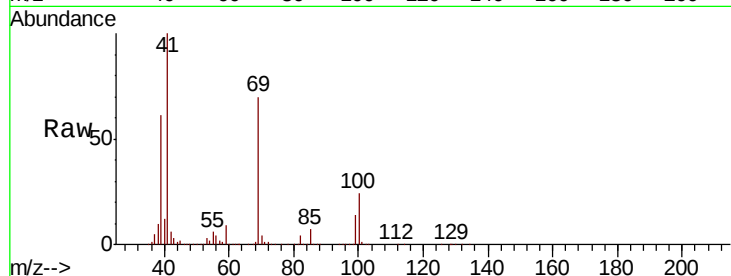
Tot Ion: 69 Resp: 903831

Ion Ratio Lower Upper

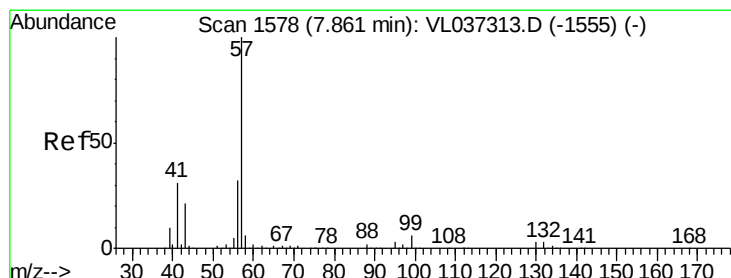
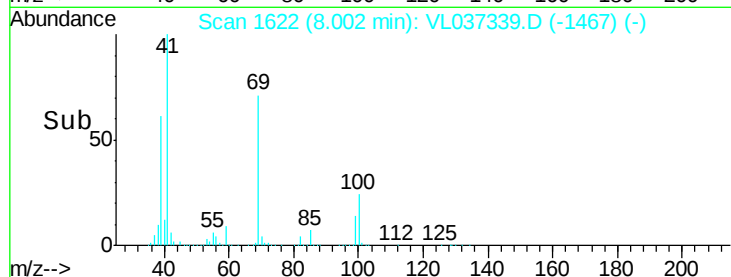
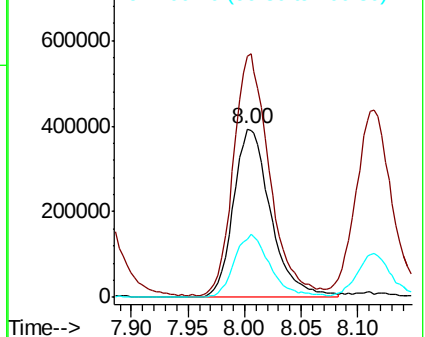
69 100

41 140.1 114.6 172.0

100 36.3 29.4 44.2



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 7.777 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

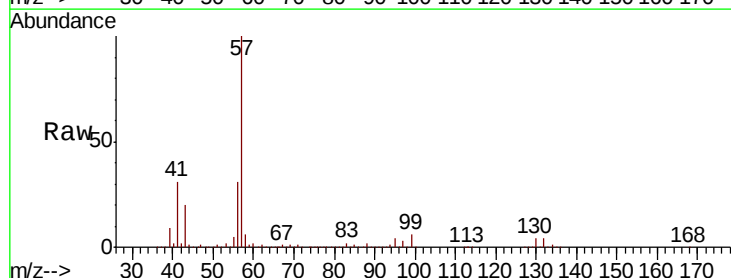
Tgt Ion: 57 Resp: 3879810

Ion Ratio Lower Upper

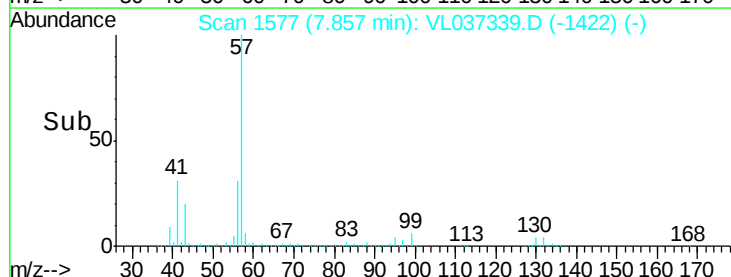
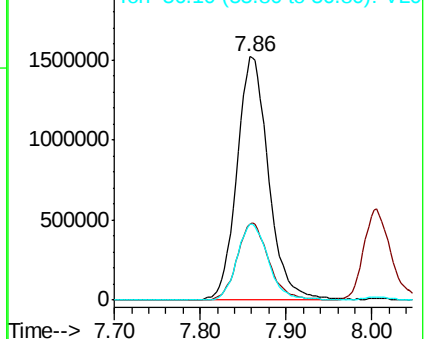
57 100

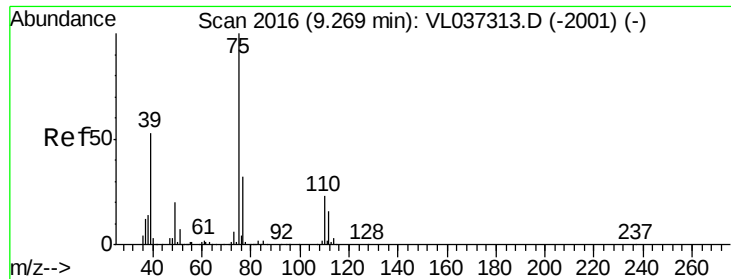
41 31.5 24.3 36.5

56 31.0 25.0 37.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 7.842 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL037339.D

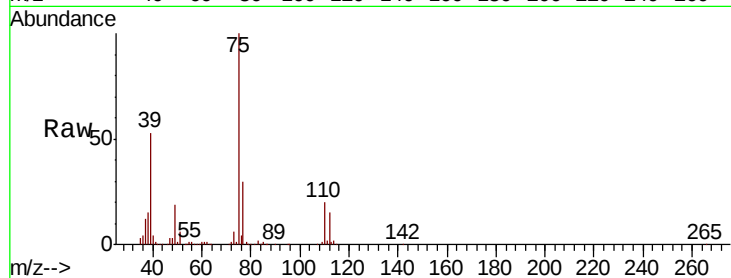
Acq: 5 Aug 2021 11:55

Tot Ion: 75 Resp: 634271

Ion Ratio Lower Upper

75 100

77 29.8 25.7 38.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

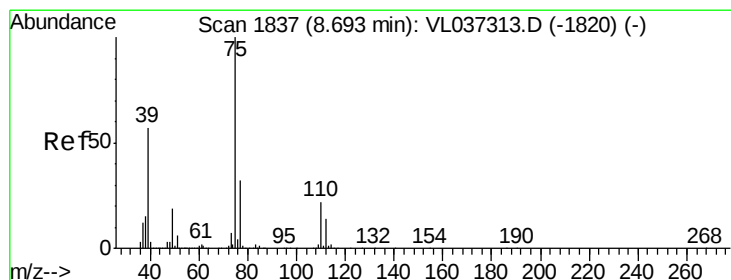
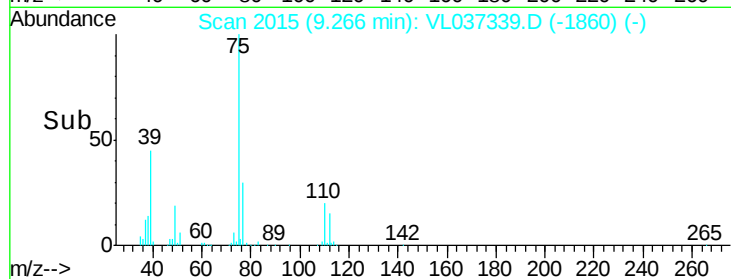
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 7.783 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

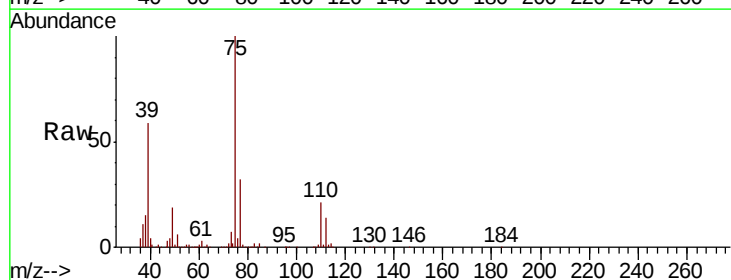
Tgt Ion: 75 Resp: 906271

Ion Ratio Lower Upper

75 100

39 58.9 45.6 68.4

77 32.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.69

500000

400000

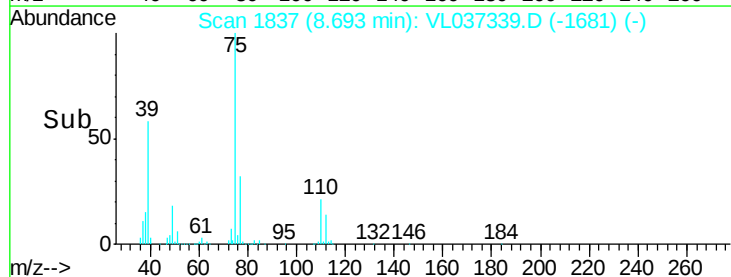
300000

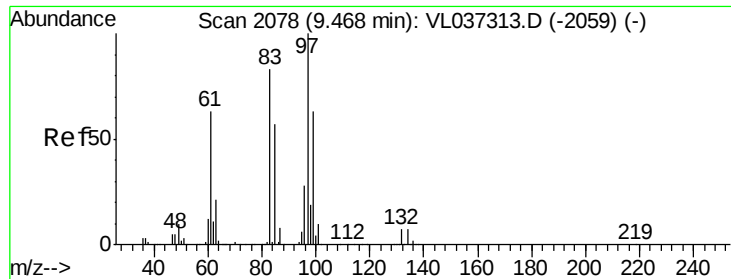
200000

100000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 8.610 ppbv

RT: 9.47 min Scan# 2077

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tot Ion: 97 Resp: 1028785

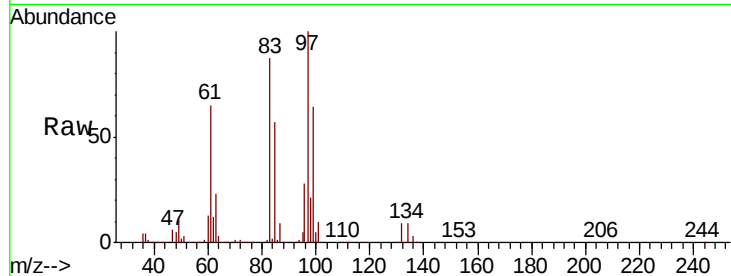
Ion	Ratio	Lower	Upper
97	100		
83	86.5	66.0	99.0
85	56.6	45.7	68.5
99	64.0	50.2	75.4

97 100

83 86.5 66.0 99.0

85 56.6 45.7 68.5

99 64.0 50.2 75.4

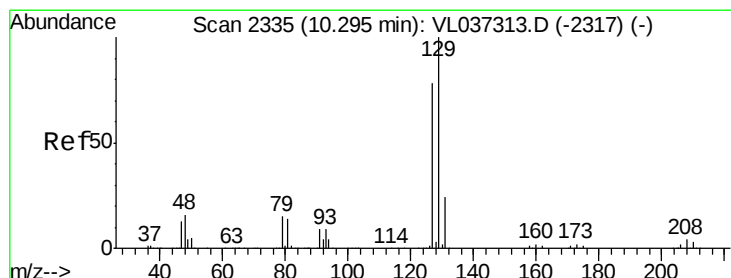
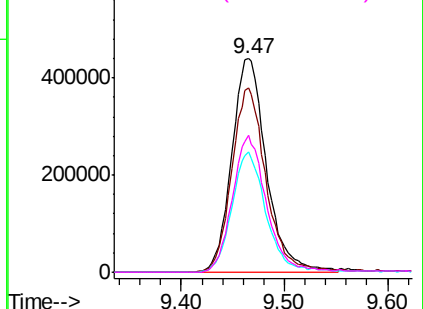
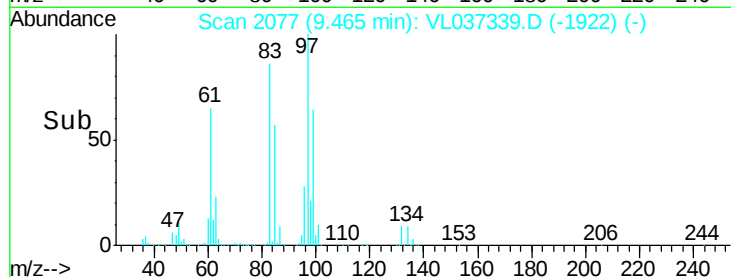


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.413 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VL037339.D

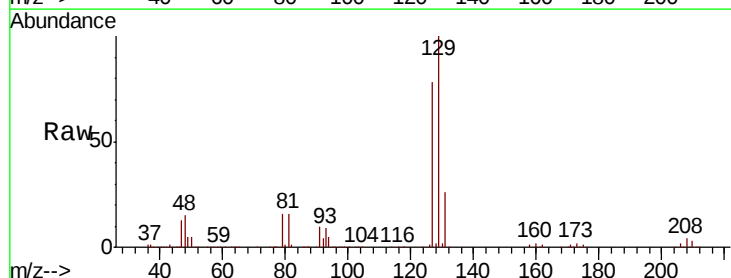
Acq: 5 Aug 2021 11:55

Tgt Ion: 129 Resp: 1666860

Ion	Ratio	Lower	Upper
129	100		
127	82.0	40.9	122.7

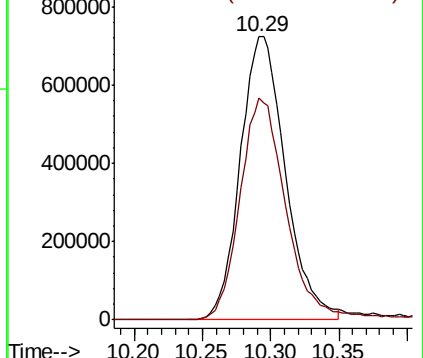
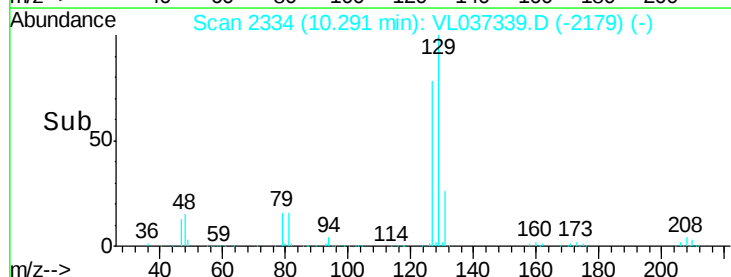
129 100

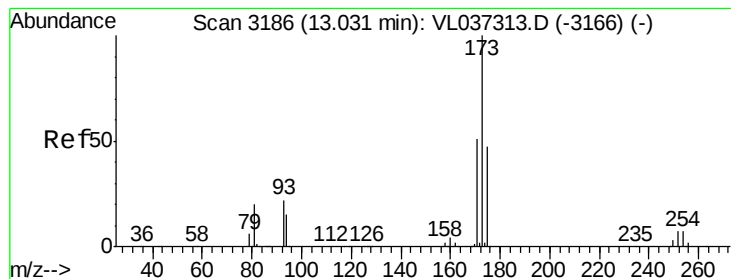
127 82.0 40.9 122.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.722 ppbv

RT: 13.03 min Scan# 3185

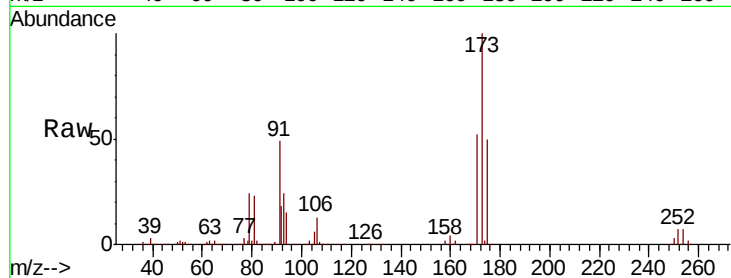
Delta R.T. -0.00 min

Lab File: VL037339.D

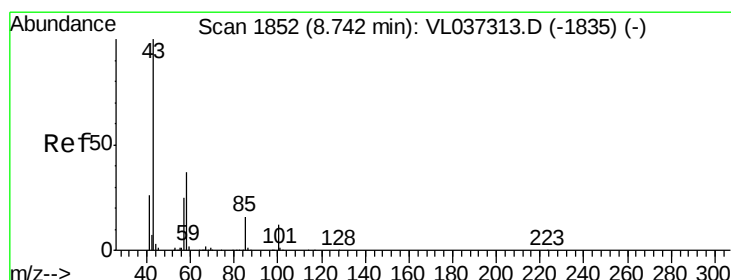
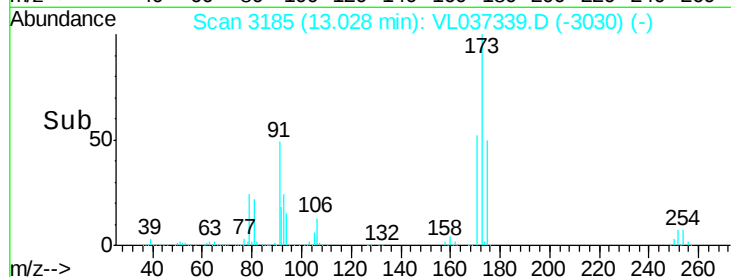
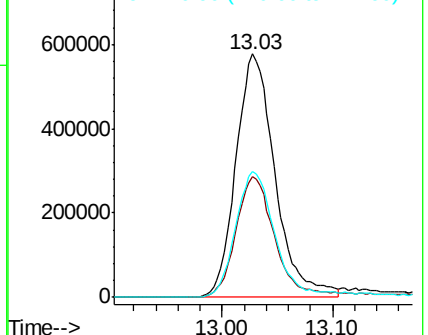
Acq: 5 Aug 2021 11:55

Tot Ion:173 Resp: 1423617

Ion	Ratio	Lower	Upper
173	100		
175	52.4	42.3	63.5
171	53.9	44.9	67.3



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.492 ppbv

RT: 8.74 min Scan# 1850

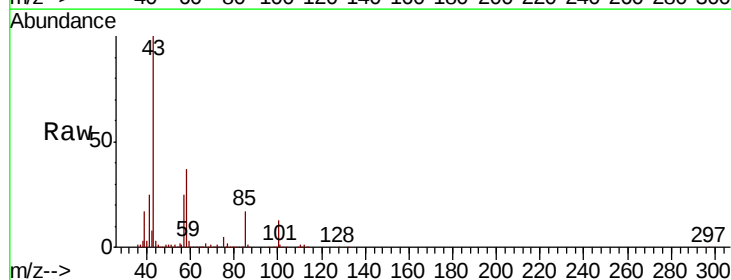
Delta R.T. -0.01 min

Lab File: VL037339.D

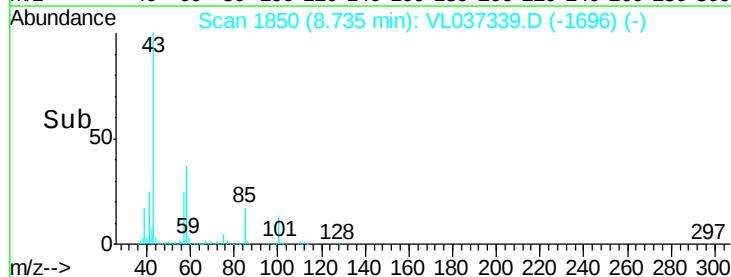
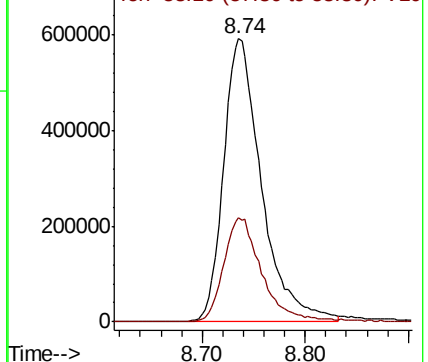
Acq: 5 Aug 2021 11:55

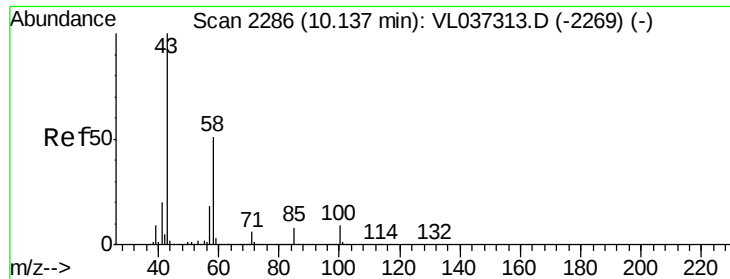
Tgt Ion: 43 Resp: 1513289

Ion	Ratio	Lower	Upper
43	100		
58	37.6	31.0	46.4



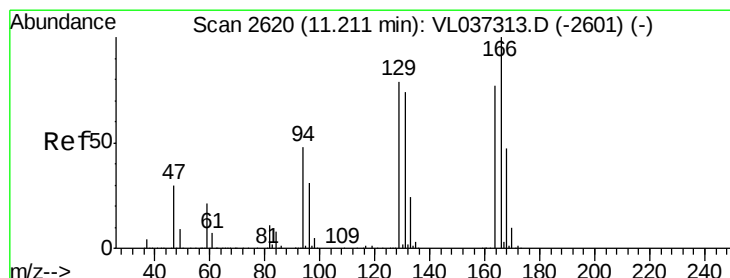
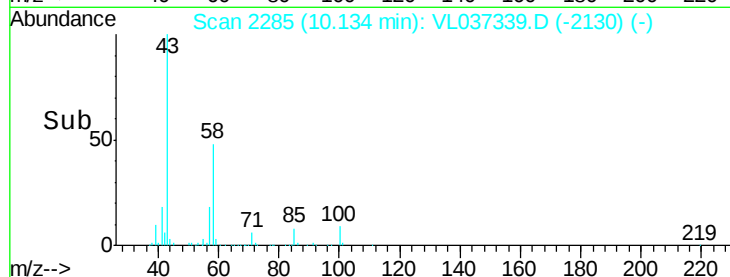
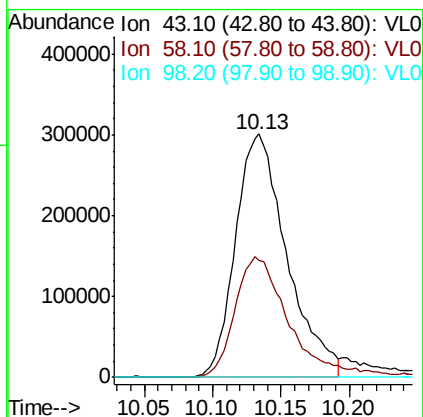
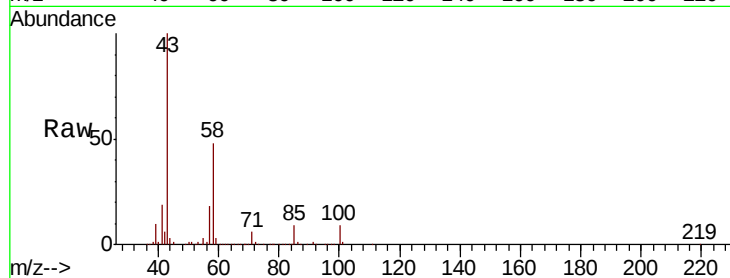
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





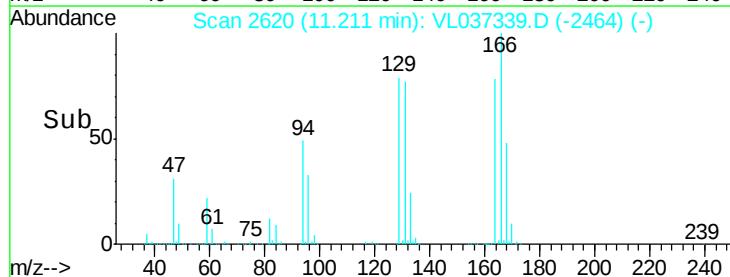
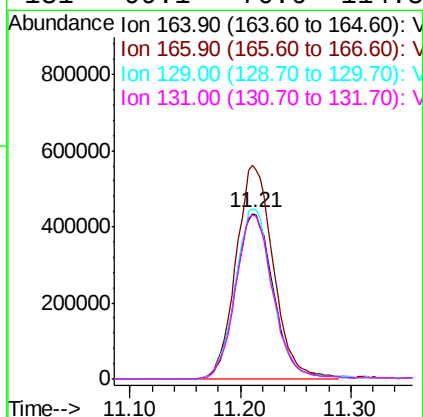
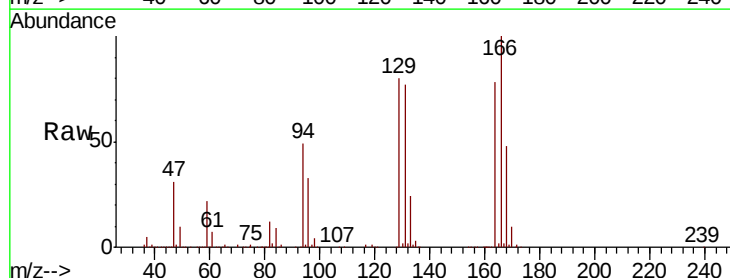
#51
2-Hexanone
Concen: 9.707 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

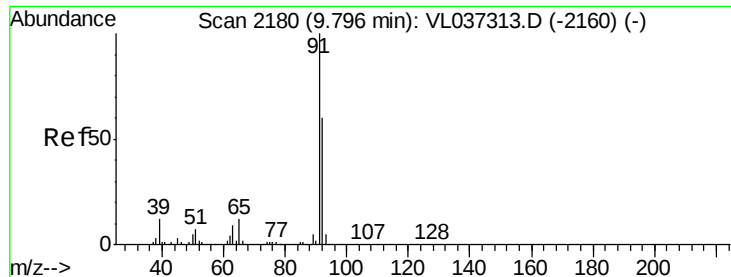
Tot Ion: 43 Resp: 786440
Ion Ratio Lower Upper
43 100
58 54.0 40.9 61.3
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 7.969 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion: 164 Resp: 1035862
Ion Ratio Lower Upper
164 100
166 128.9 103.4 155.2
129 102.5 82.2 123.2
131 99.1 76.6 114.8





#53

Toluene

Concen: 8.156 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037339.D

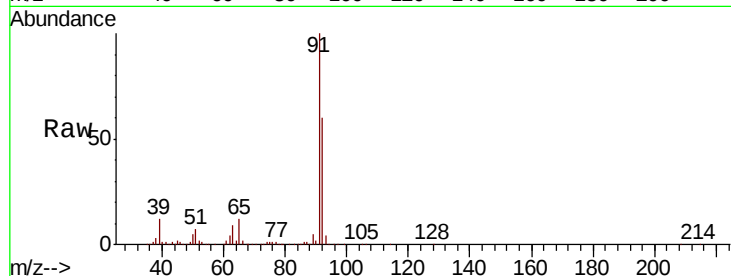
Acq: 5 Aug 2021 11:55

Tot Ion: 91 Resp: 2905950

Ion Ratio Lower Upper

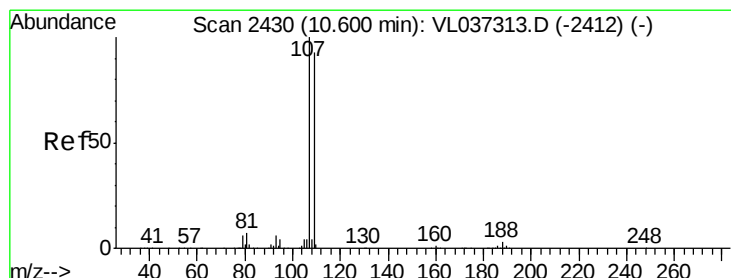
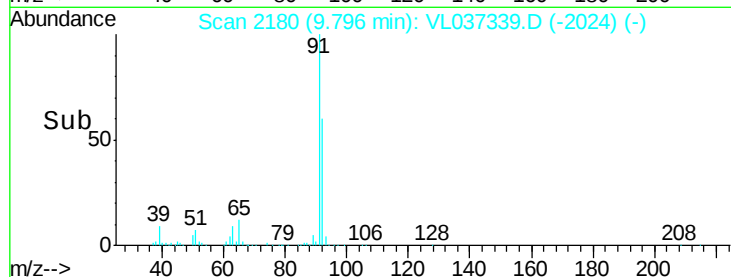
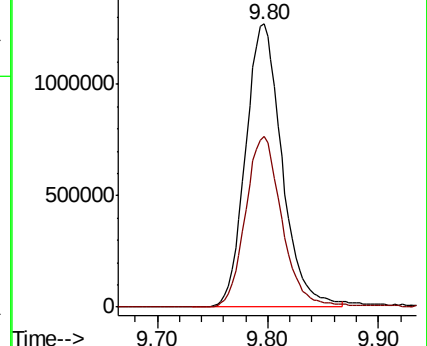
91 100

92 61.7 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 8.834 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL037339.D

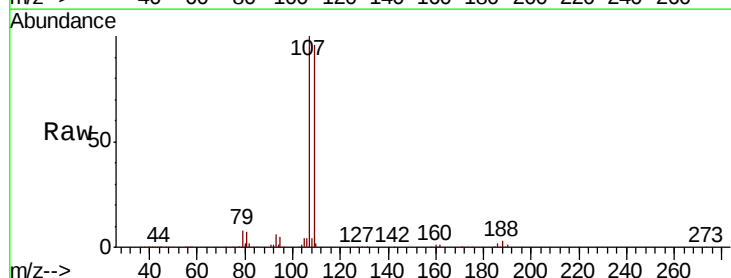
Acq: 5 Aug 2021 11:55

Tgt Ion: 107 Resp: 1465852

Ion Ratio Lower Upper

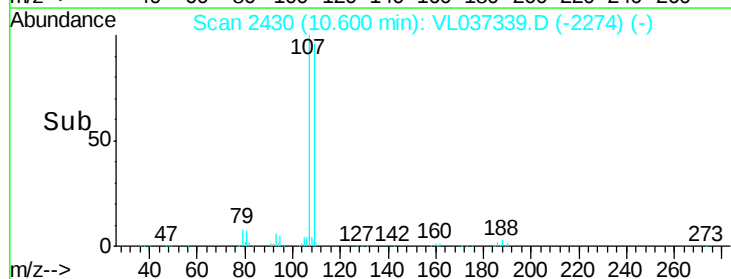
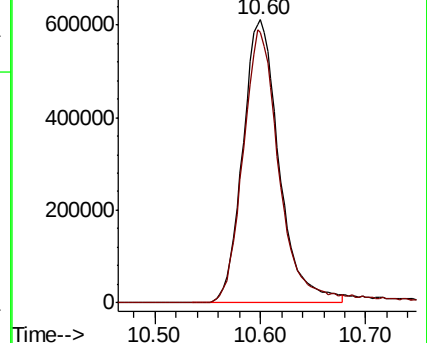
107 100

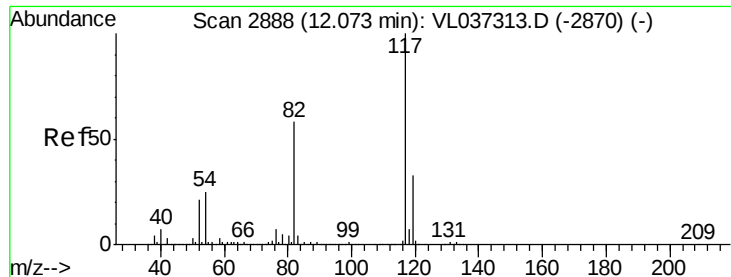
109 95.6 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

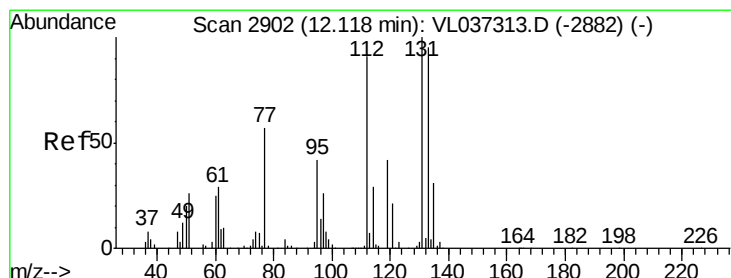
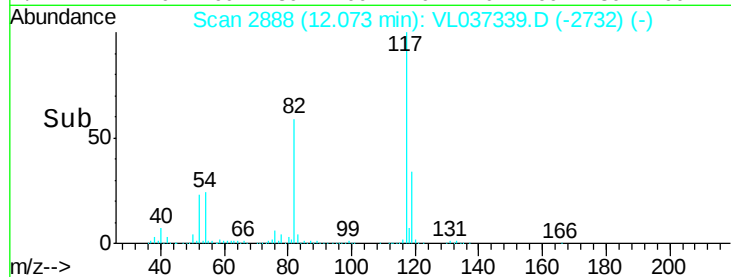
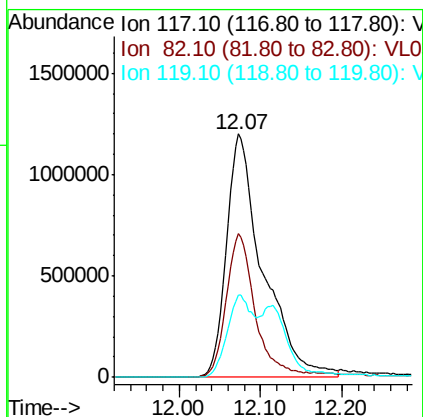
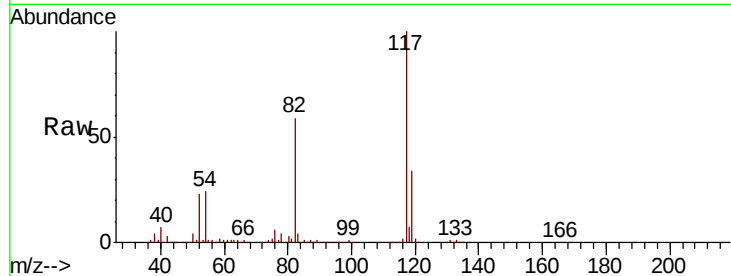
Ion 109.00 (108.70 to 109.70): V





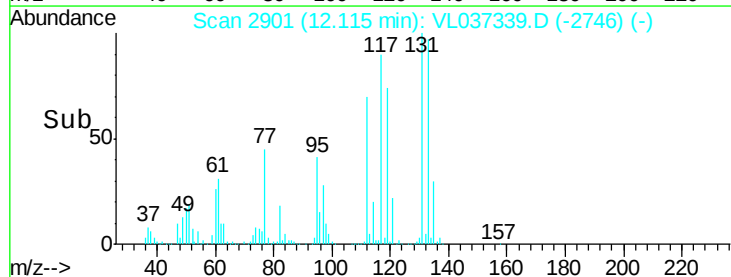
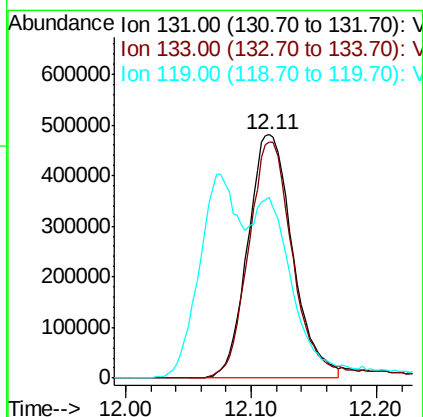
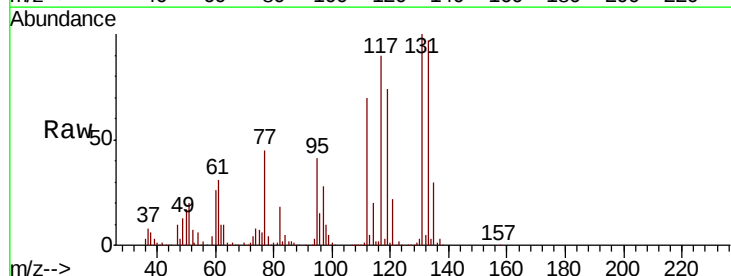
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

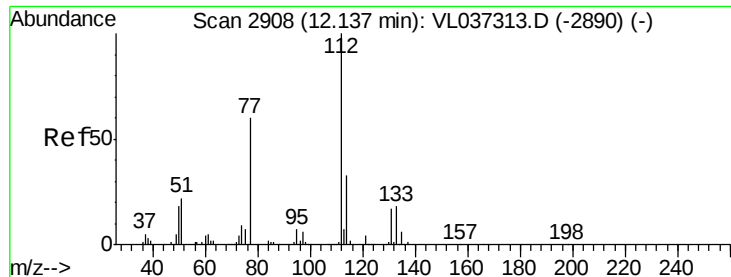
Tot Ion:117 Resp: 3749509
Ion Ratio Lower Upper
117 100
82 49.9 50.3 75.5#
119 24.2 48.2 72.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.370 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

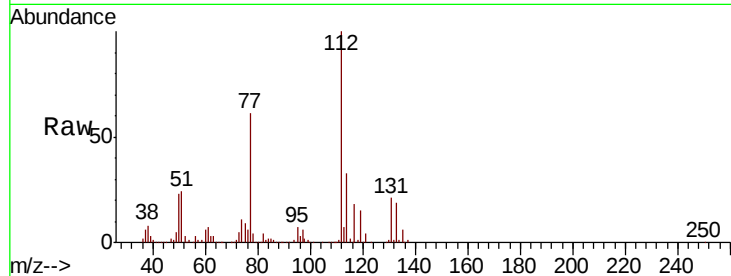
Tgt Ion:131 Resp: 1192992
Ion Ratio Lower Upper
131 100
133 102.1 83.0 124.4
119 71.2 130.4 195.6#



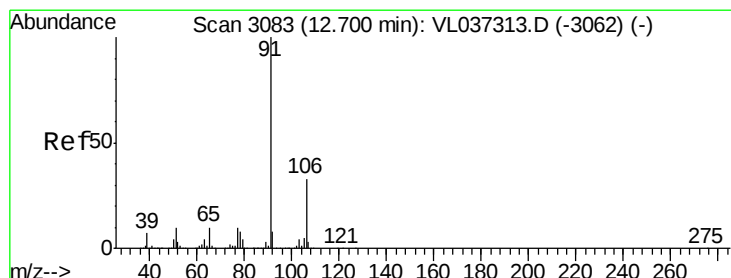
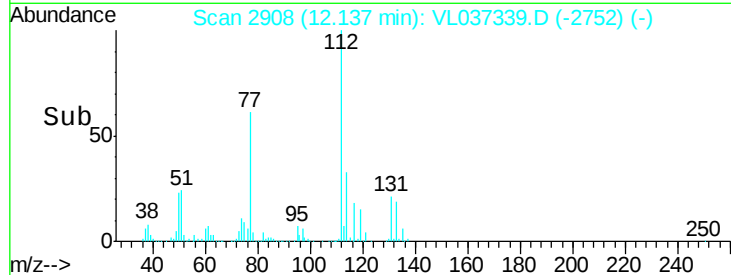
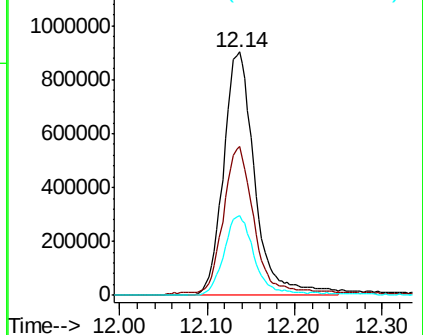


#57
Chlorobenzene
Concen: 7.108 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tot Ion:112 Resp: 2250163
Ion Ratio Lower Upper
112 100
77 60.0 47.8 71.6
114 32.6 29.8 36.4

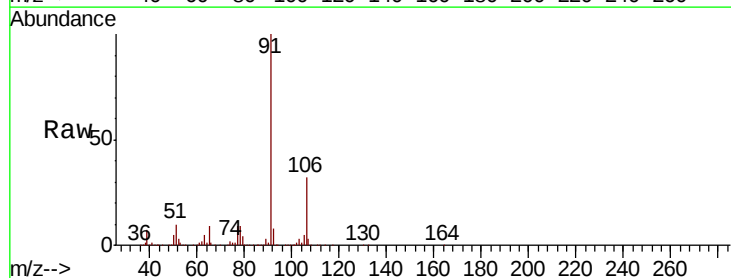


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

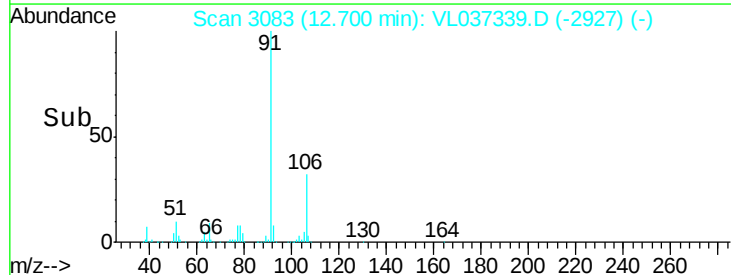
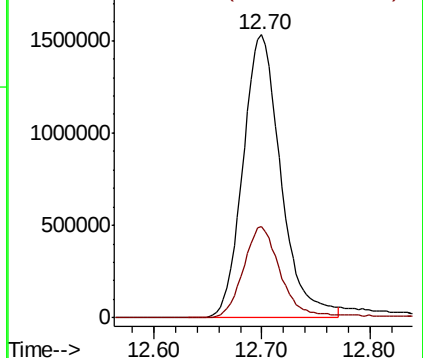


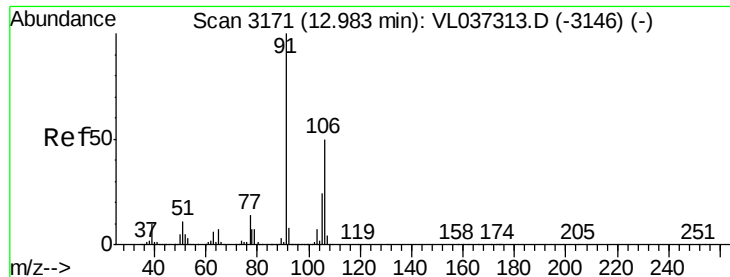
#58
Ethyl Benzene
Concen: 6.800 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion: 91 Resp: 3744918
Ion Ratio Lower Upper
91 100
106 32.1 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.757 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL037339.D

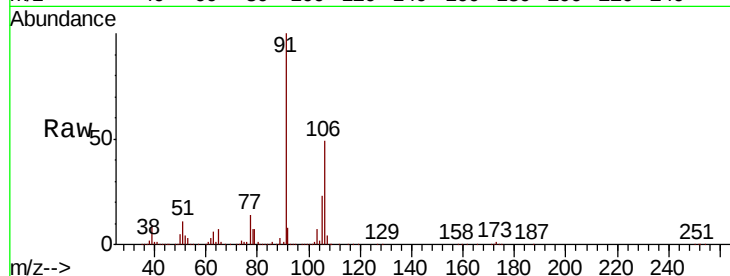
Acq: 5 Aug 2021 11:55

Tot Ion: 91 Resp: 3598665

Ion Ratio Lower Upper

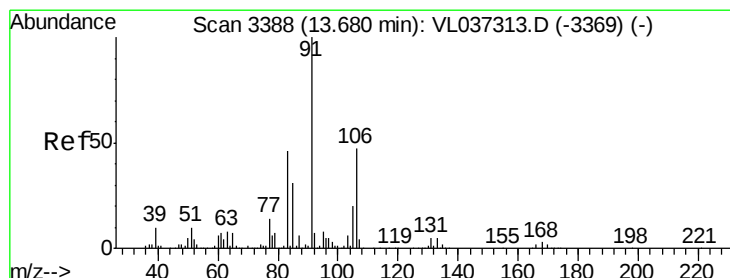
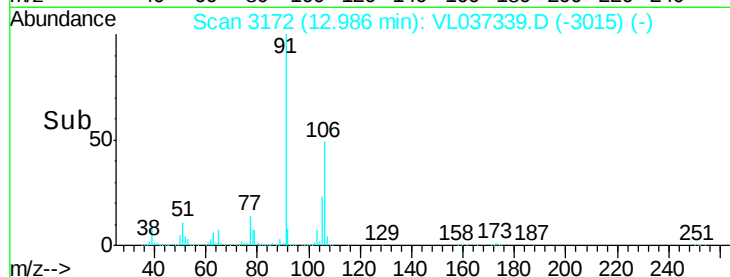
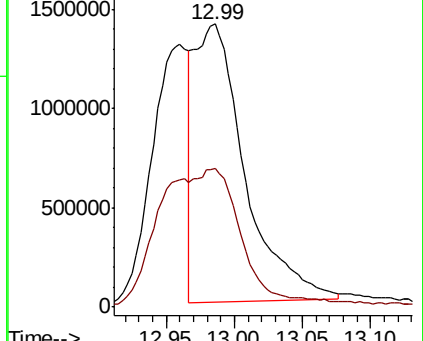
91 100

106 84.4 37.8 56.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 6.869 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL037339.D

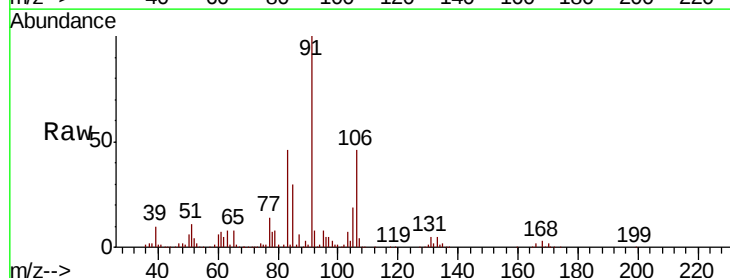
Acq: 5 Aug 2021 11:55

Tgt Ion: 91 Resp: 2896006

Ion Ratio Lower Upper

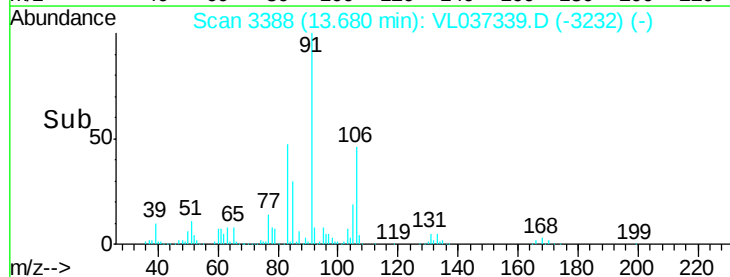
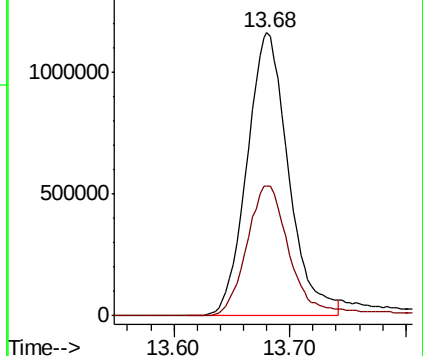
91 100

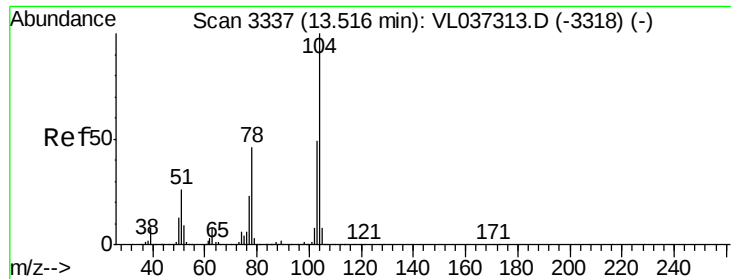
106 50.0 26.3 78.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

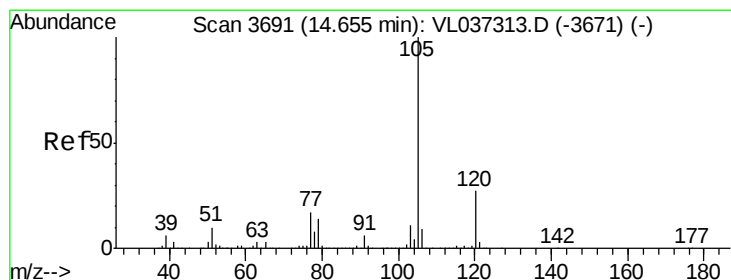
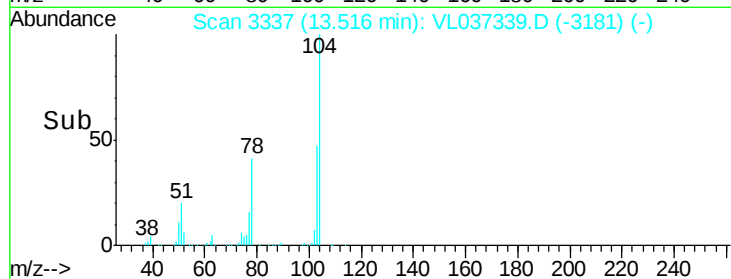
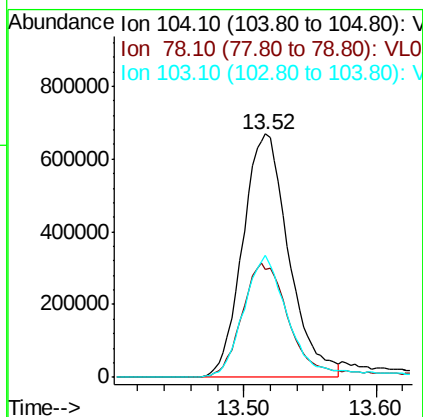
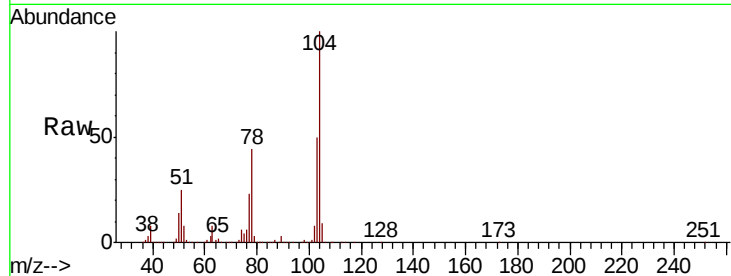




#61
Stvrene
Concen: 6.976 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tot Ion:104 Resp: 1612261

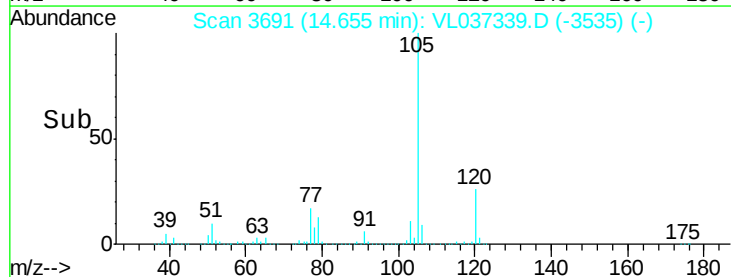
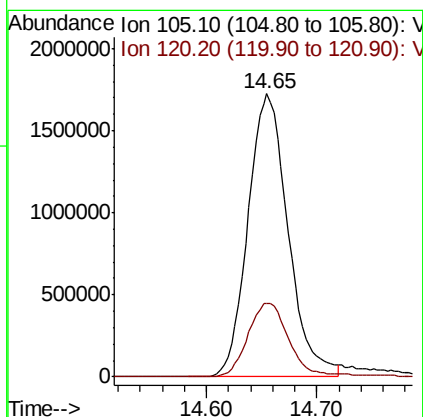
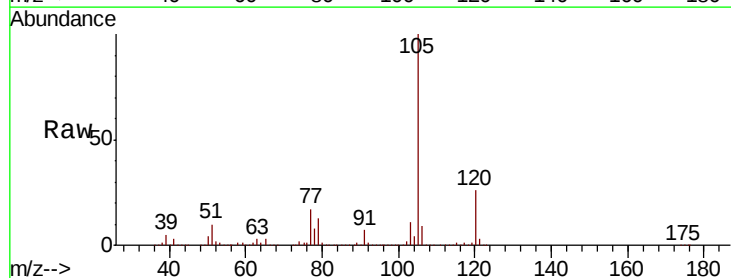
Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.3	58.9
103	50.0	40.6	60.8

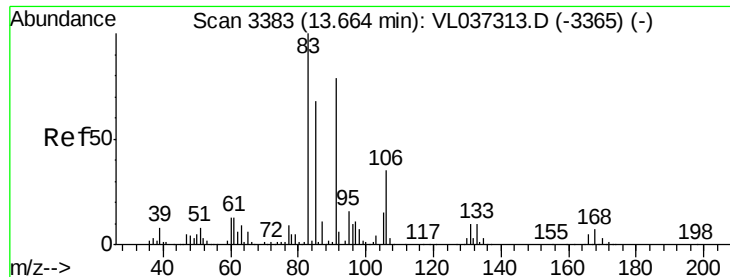


#62
Isopropylbenzene
Concen: 7.087 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tgt Ion:105 Resp: 4338503

Ion	Ratio	Lower	Upper
105	100		
120	27.7	23.0	34.6





#63

1,1,2,2-Tetrachloroethane

Concen: 7.054 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

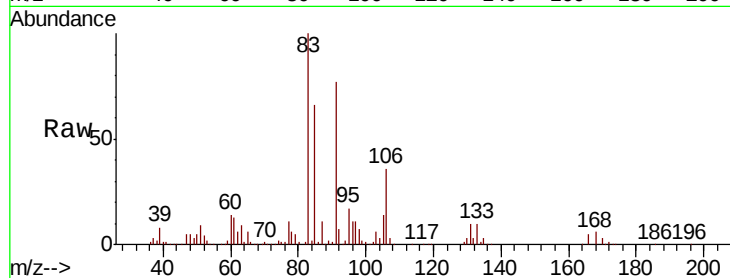
Tot Ion: 83 Resp: 2159498

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.4

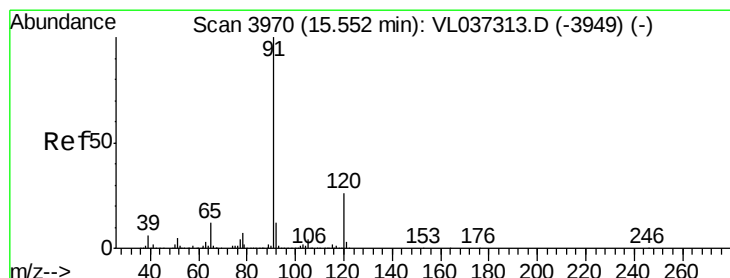
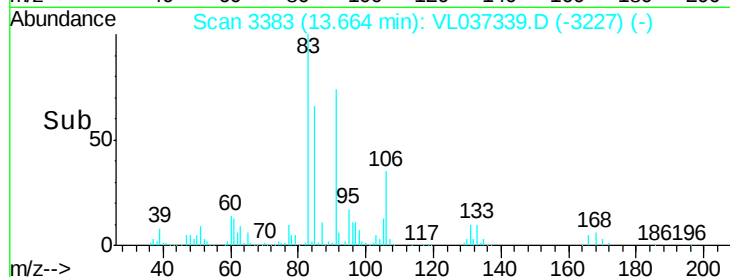
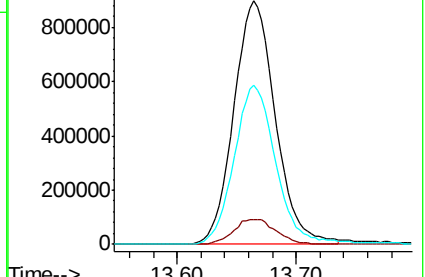
85 66.8 33.5 100.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.466 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.00 min

Lab File: VL037339.D

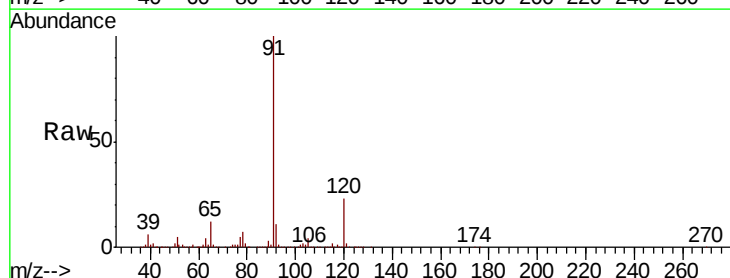
Acq: 5 Aug 2021 11:55

Tgt Ion: 120 Resp: 1195156

Ion Ratio Lower Upper

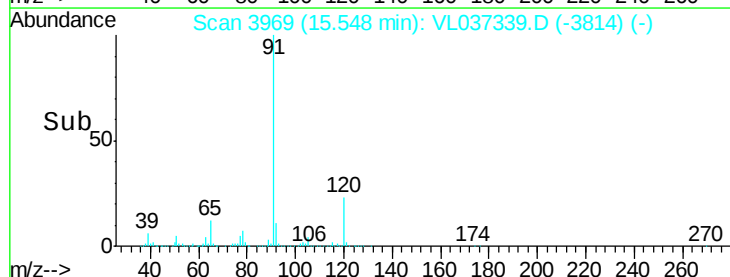
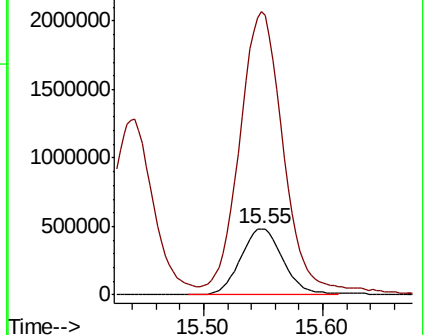
120 100

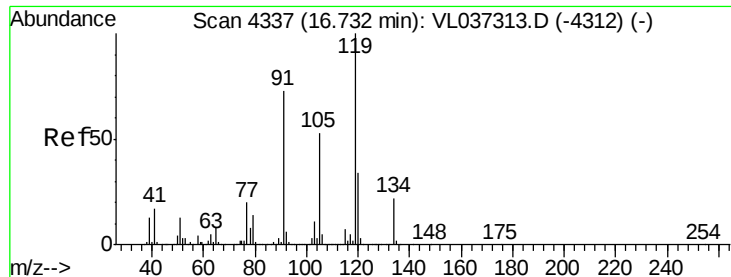
91 448.3 361.0 541.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.302 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

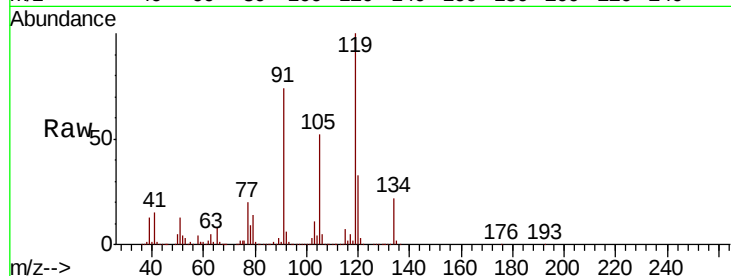
Tot Ion:119 Resp: 4122329

Ion Ratio Lower Upper

119 100

91 73.6 58.6 88.0

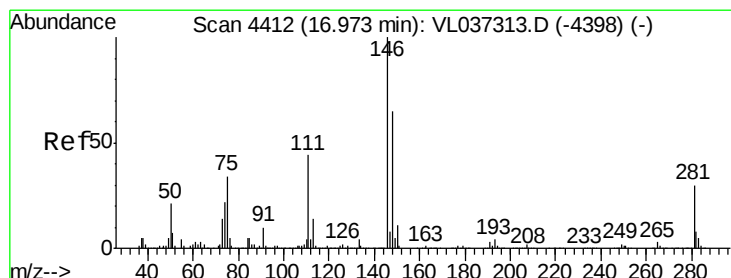
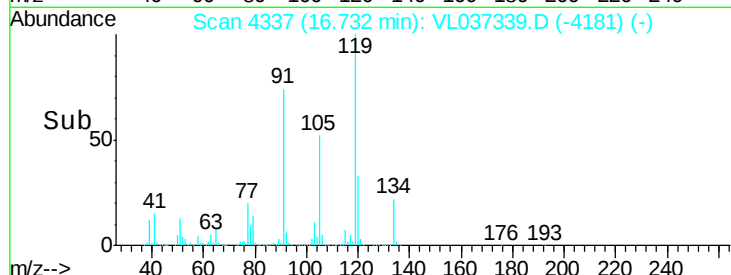
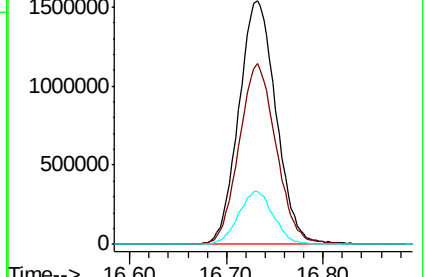
134 20.5 16.5 24.7



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 5.359 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

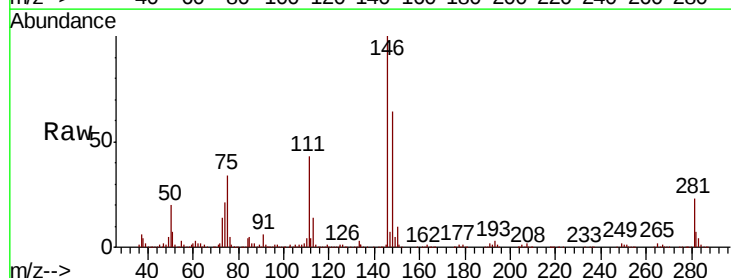
Tgt Ion: 91 Resp: 117600

Ion Ratio Lower Upper

91 100

126 22.2 17.8 26.6

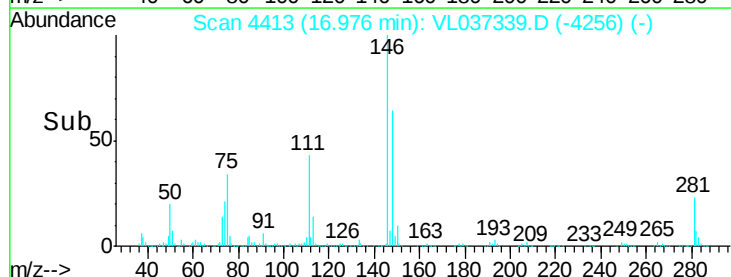
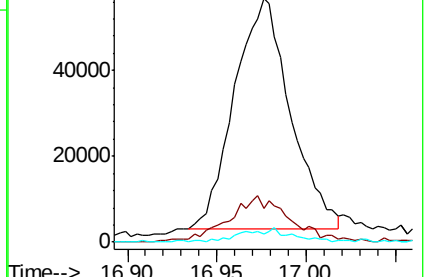
128 5.6 5.8 8.6#

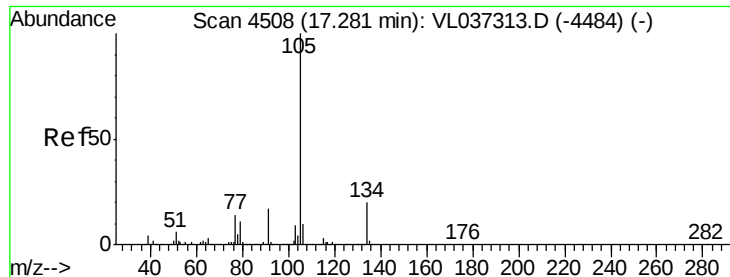


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.302 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.00 min

Lab File: VL037339.D

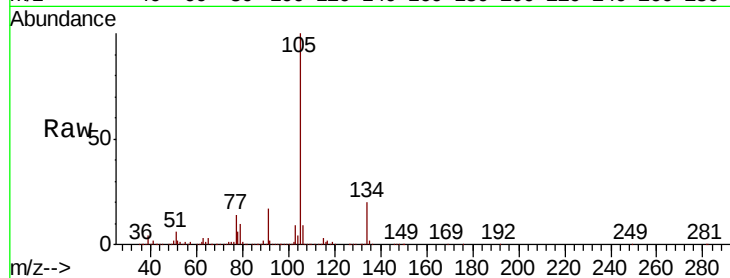
Acq: 5 Aug 2021 11:55

Tot Ion: 105 Resp: 5560177

Ion Ratio Lower Upper

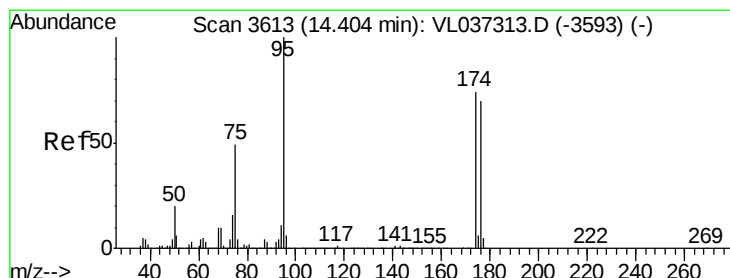
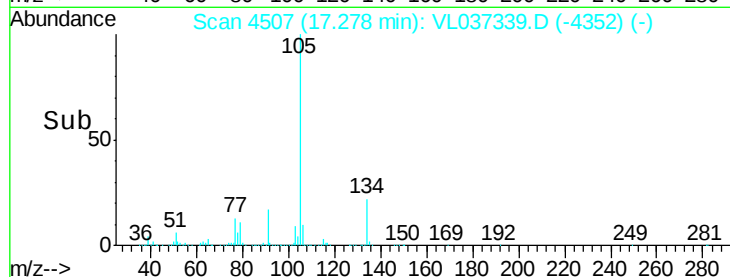
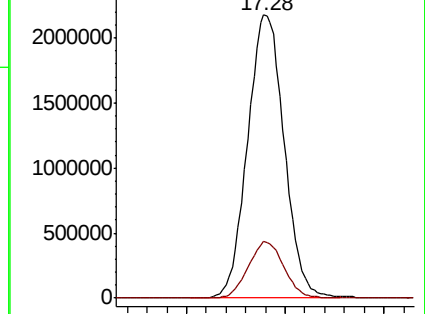
105 100

134 19.6 15.4 23.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.177 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

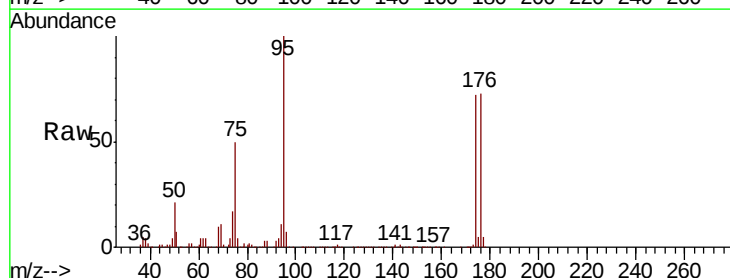
Tgt Ion: 95 Resp: 2094329

Ion Ratio Lower Upper

95 100

174 80.1 66.9 100.3

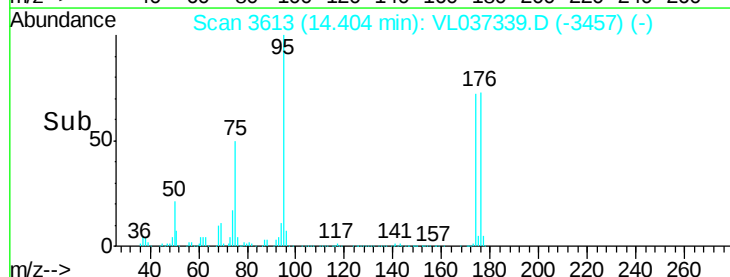
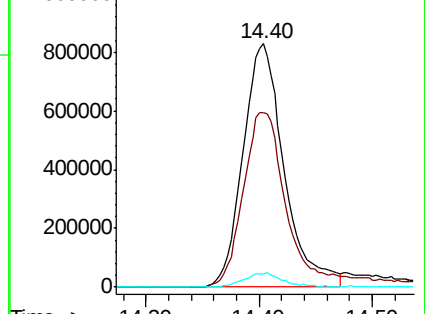
175 5.5 5.1 7.7

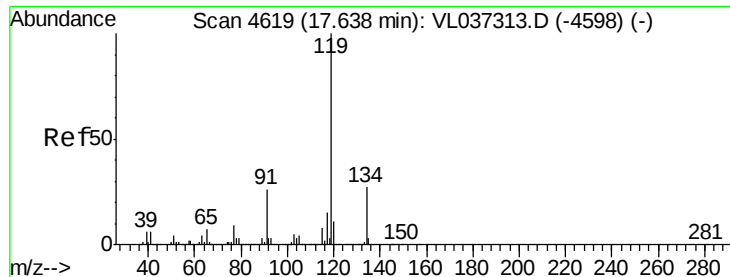


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

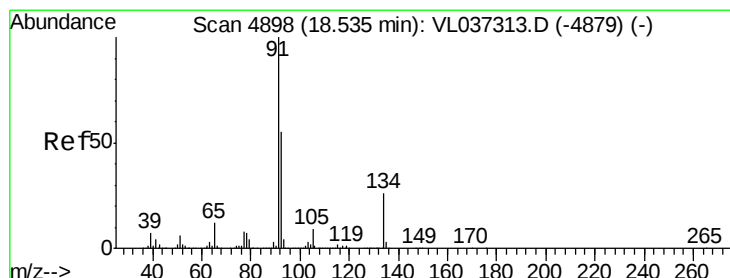
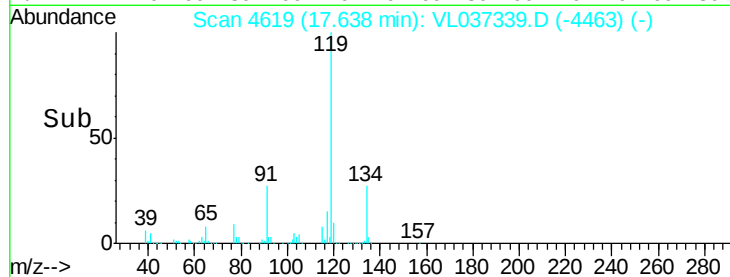
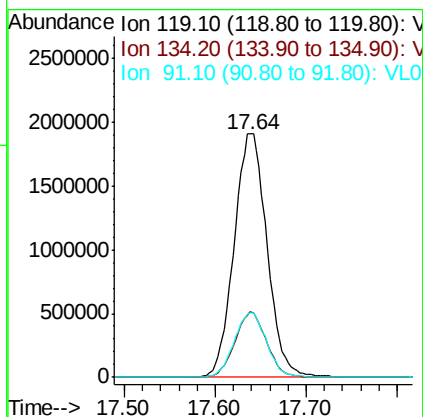
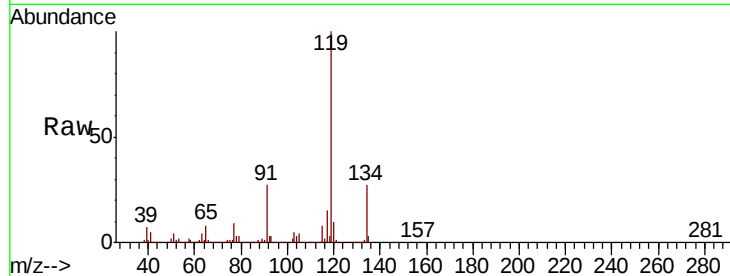




#69
 p-Isopropyltoluene
 Concen: 7.494 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tot Ion:119 Resp: 4799985

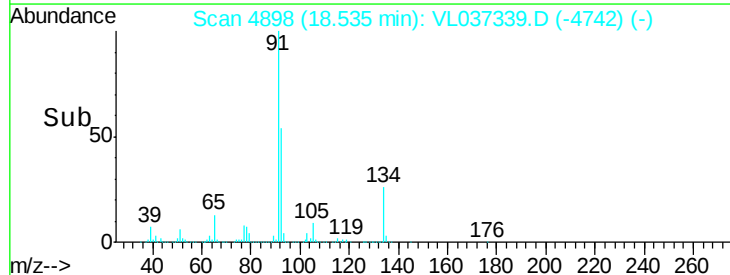
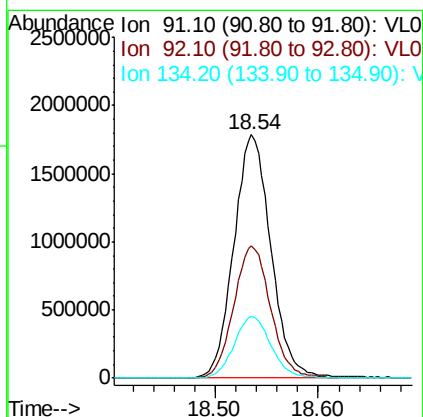
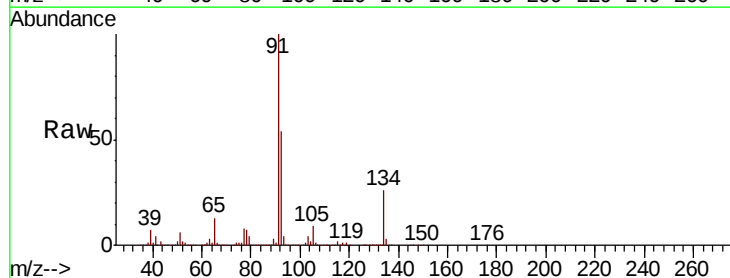
Ion	Ratio	Lower	Upper
119	100		
134	25.9	21.0	31.6
91	26.1	20.5	30.7

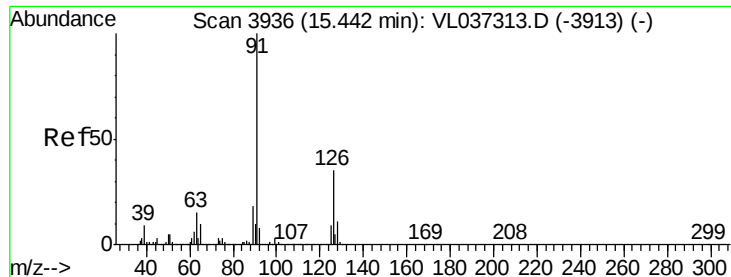


#70
 n-Butylbenzene
 Concen: 7.607 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tgt Ion: 91 Resp: 4456907

Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.1	66.1
134	25.4	20.6	31.0





#71

2-Chlorotoluene

Concen: 7.426 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VL037339.D

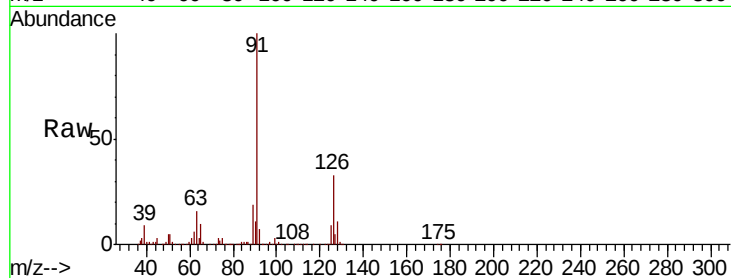
Acq: 5 Aug 2021 11:55

Tot Ion: 91 Resp: 3176252

Ion Ratio Lower Upper

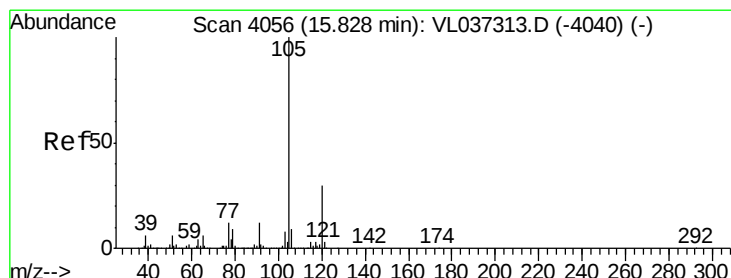
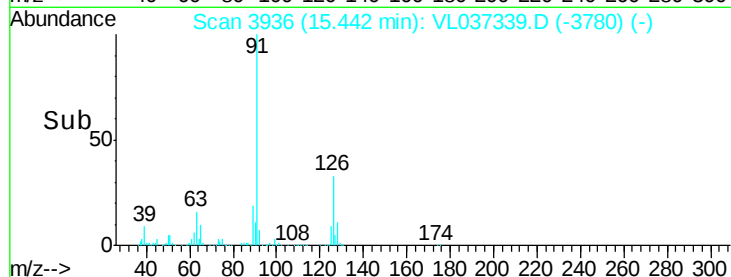
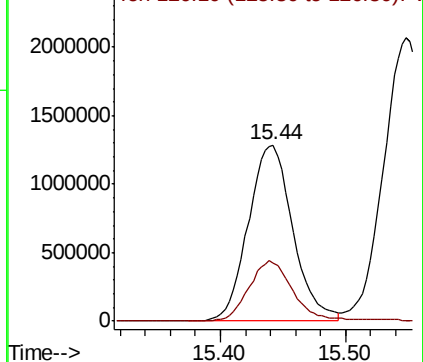
91 100

126 34.9 14.3 57.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.420 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion:105 Resp: 3776234

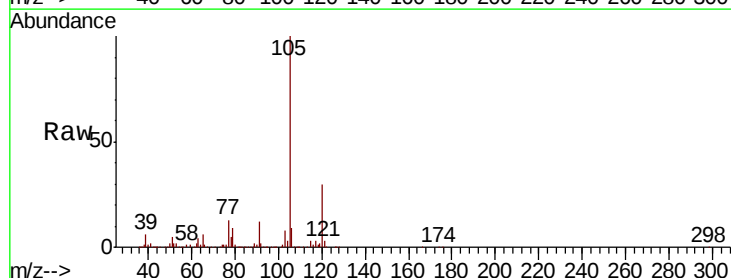
Ion Ratio Lower Upper

105 100

120 31.2 25.6 38.4

91 11.9 9.4 14.2

77 12.6 10.2 15.4

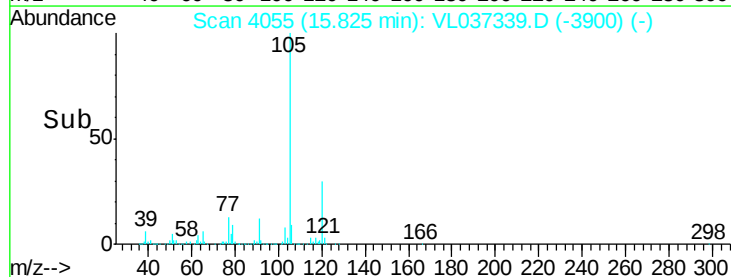
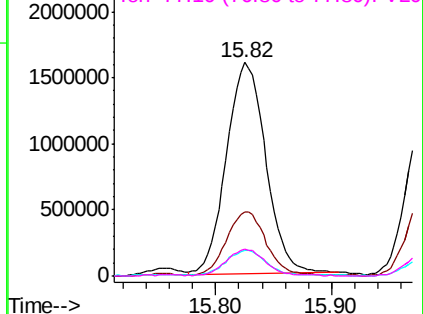


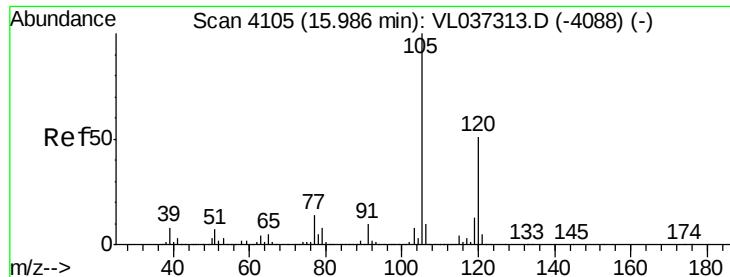
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.260 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.00 min

Lab File: VL037339.D

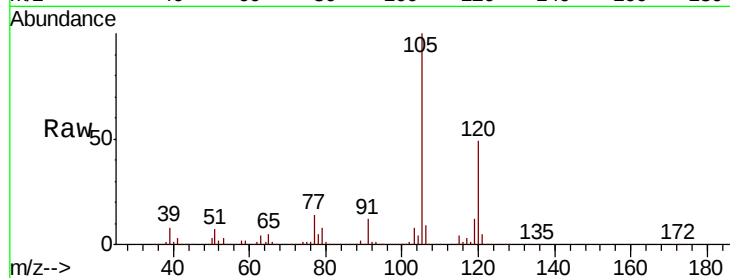
Acq: 5 Aug 2021 11:55

Tot Ion:105 Resp: 3321831

Ion Ratio Lower Upper

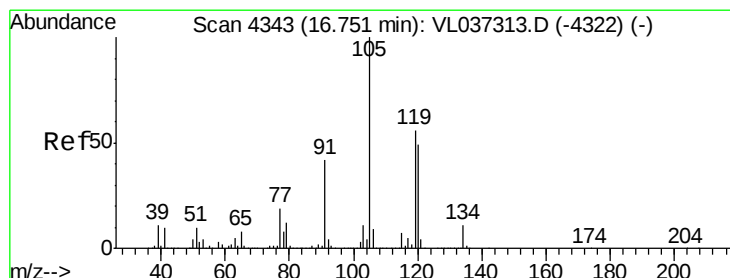
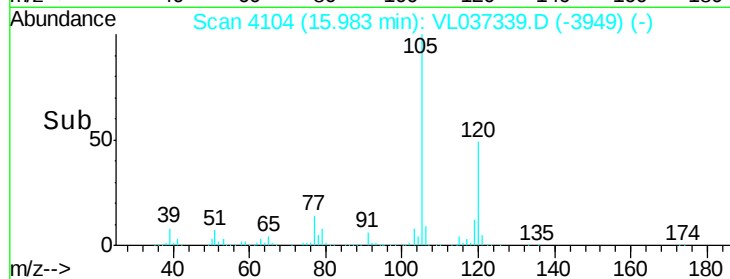
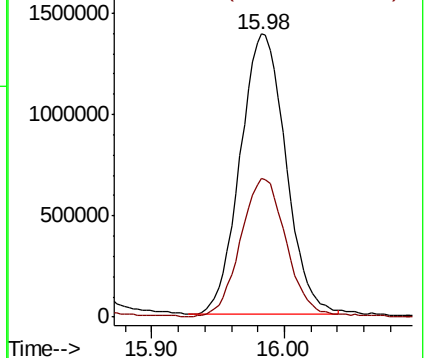
105 100

120 49.1 40.4 60.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.369 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion:105 Resp: 3598188

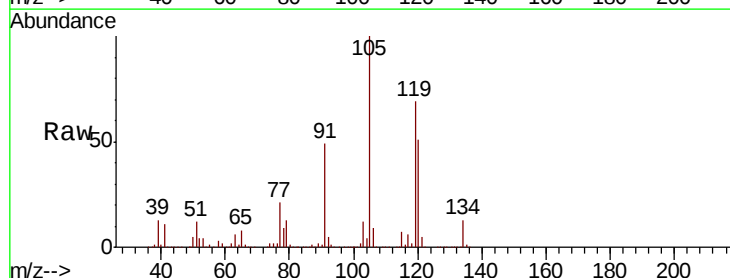
Ion Ratio Lower Upper

105 100

120 50.8 39.6 59.4

91 48.7 34.5 51.7

77 20.5 15.3 22.9

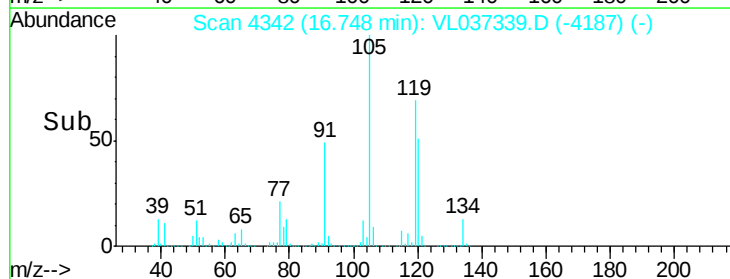
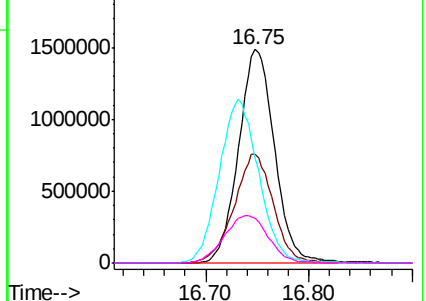


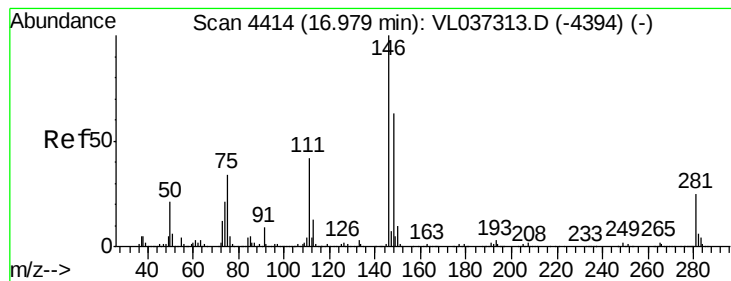
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.879 ppbv

RT: 16.98 min Scan# 4415

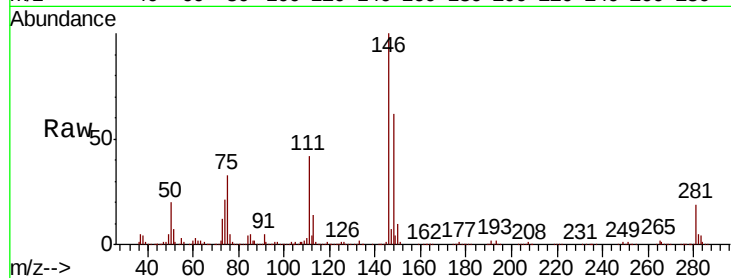
Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tot Ion:146 Resp: 2365148

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	64.1	32.6	97.7

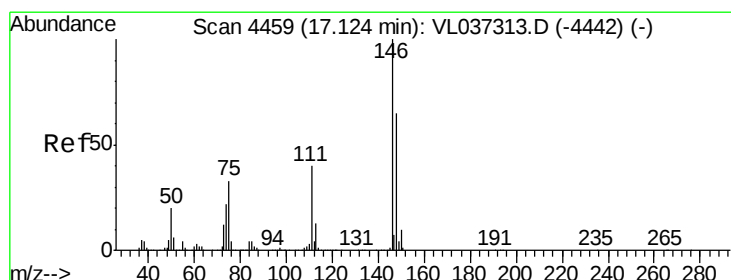
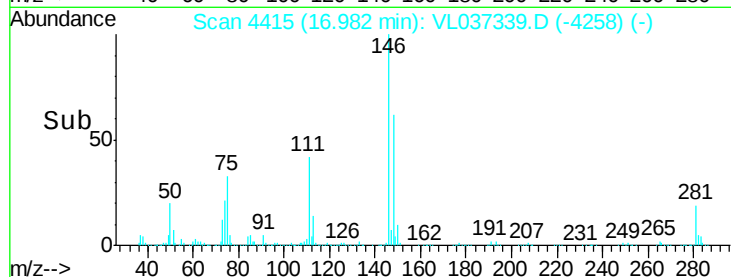
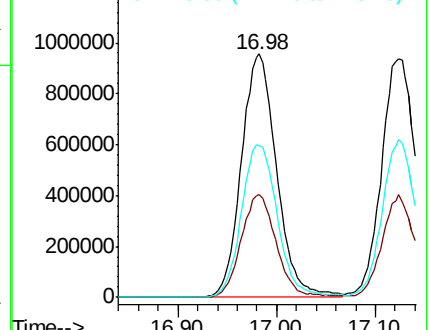


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.719 ppbv

RT: 17.12 min Scan# 4459

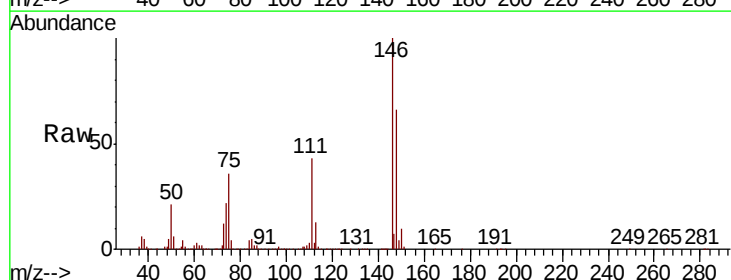
Delta R.T. 0.00 min

Lab File: VL037339.D

Acq: 5 Aug 2021 11:55

Tgt Ion:146 Resp: 2298116

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	65.9	33.5	100.4

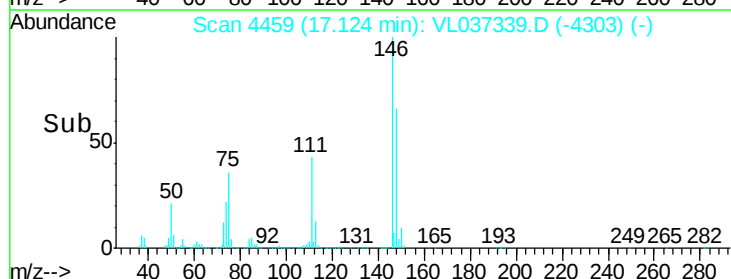
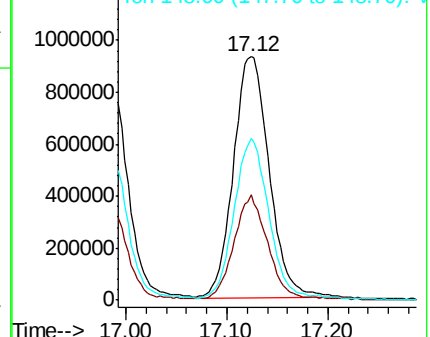


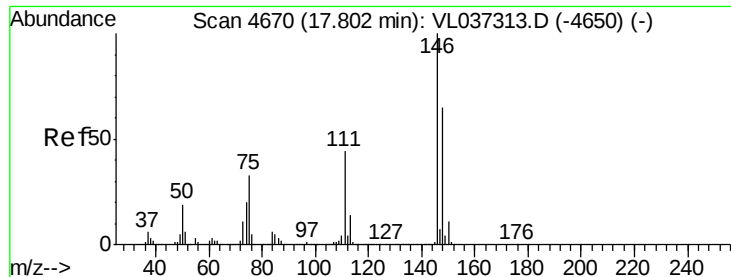
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

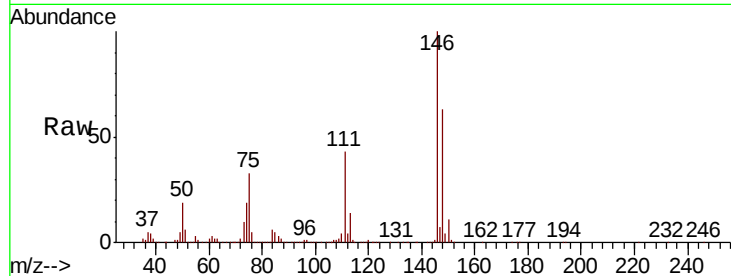




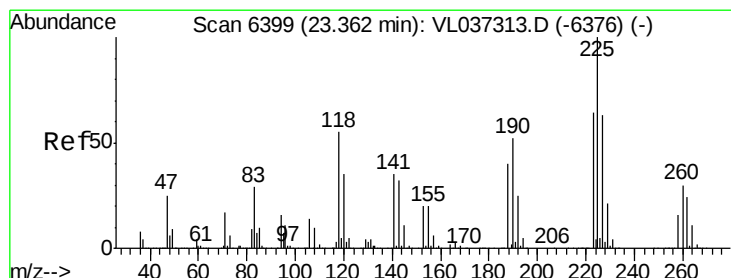
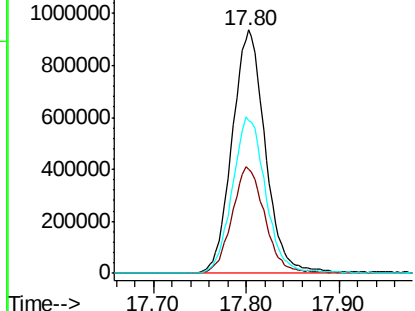
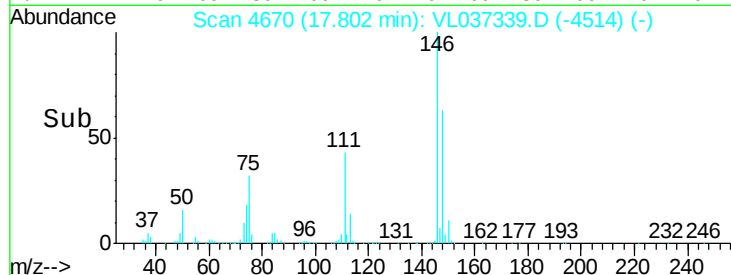
#77
 1,2-Dichlorobenzene
 Concen: 7.856 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tot Ion:146 Resp: 2296817

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.5
148	65.2	32.5	97.4



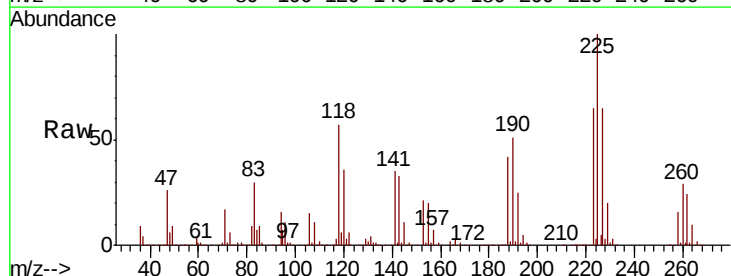
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



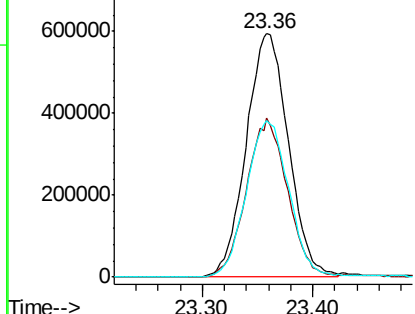
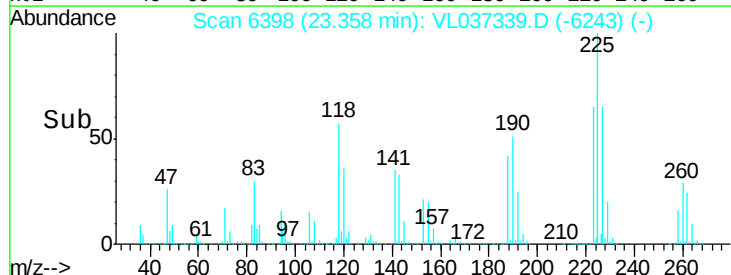
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.011 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

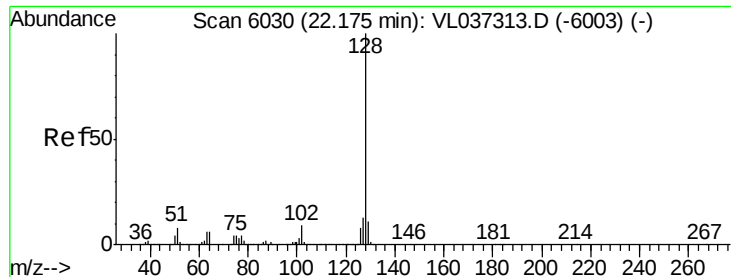
Tgt Ion:225 Resp: 1578147

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.1	76.7
227	65.4	51.9	77.9



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

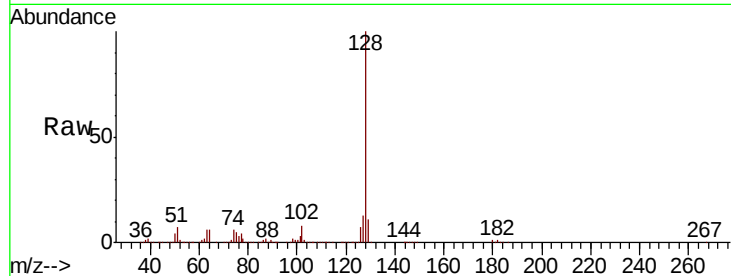




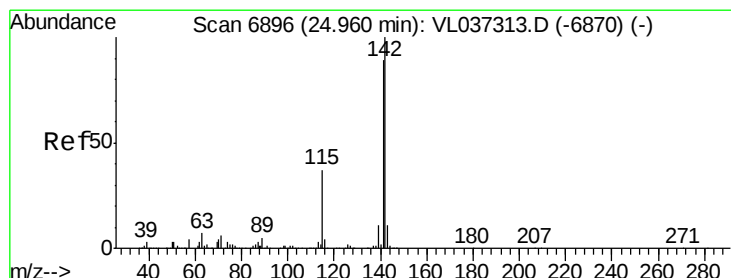
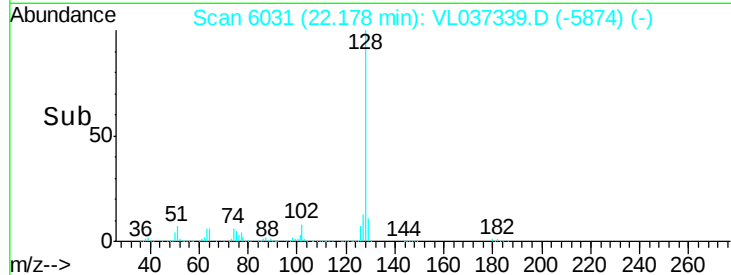
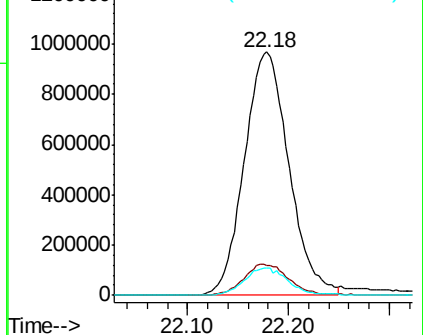
#79
Naphthalene
Concen: 6.632 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

Tot Ion:128 Resp: 2972539

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	11.2	8.6	12.8



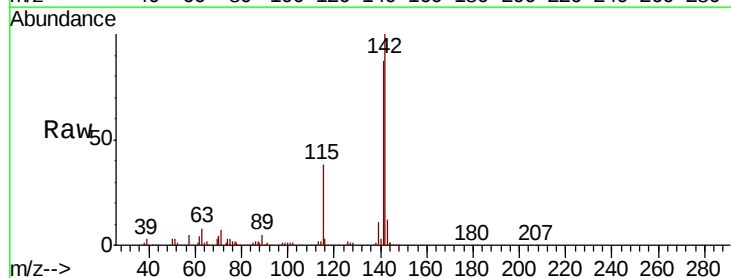
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



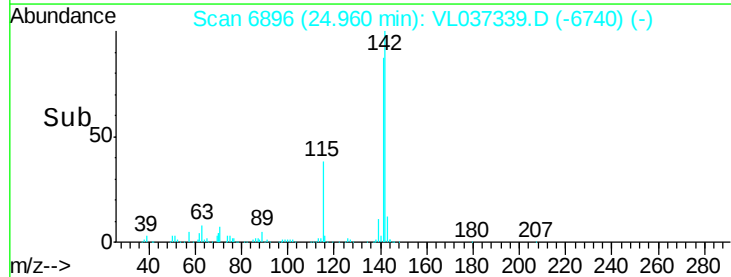
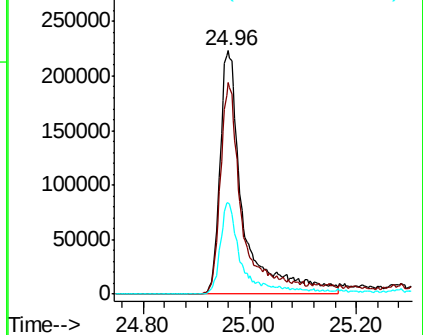
#80
Naphthalene, 2-methyl-
Concen: 9.330 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL037339.D
Acq: 5 Aug 2021 11:55

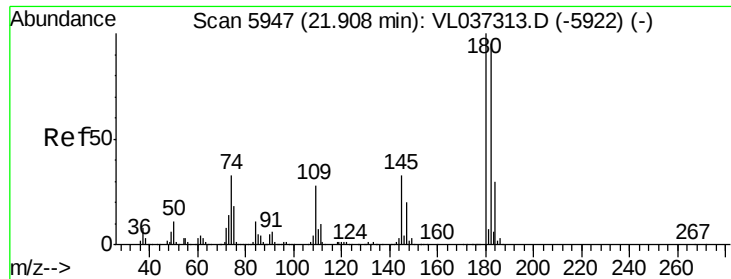
Tgt Ion:142 Resp: 679566

Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.2	100.8
115	32.3	27.9	41.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.855 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. -0.00 min
 Lab File: VL037339.D
 Acq: 5 Aug 2021 11:55

Tot Ion:180	Resp: 1784895
Ion Ratio	Lower Upper
180 100	
182 99.5	78.0 117.0
184 30.9	25.0 37.4

