

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039206.D
 Acq On : 7 Jun 2022 12:56
 Operator : SY/AP
 Sample : VL0607SBS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 04:58:05 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1116429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3060732	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3799566	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2314731	7.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	73.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1816025	9.261	ppbv 98
3) Chlorodifluoromethane	2.99	51	1451779	10.220	ppbv 96
4) Chloromethane	3.14	50	710135	9.732	ppbv 98
5) Vinyl Chloride	3.26	62	716957	10.511	ppbv 98
6) Bromomethane	3.48	94	328531	9.791	ppbv 97
7) Chloroethane	3.56	64	248319	10.448	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1724516	9.623	ppbv 94
9) Propene	3.01	41	658370	10.629	ppbv 98
10) Heptane	8.12	43	1675912	11.598	ppbv 99
11) Trichlorofluoromethane	3.95	101	1653894	9.317	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1180412	10.056	ppbv 98
13) Ethanol	3.61	45	51803	15.336	ppbv # 100
14) Bromoethene	3.74	108	534404	10.127	ppbv 99
15) Acetone	3.85	43	1227010	10.551	ppbv 99
16) 1,3-Butadiene	3.33	39	647580	10.359	ppbv 98
17) tert-Butyl alcohol	4.28	59	1133589	12.567	ppbv 99
18) 1,1-Dichloroethene	4.29	96	528895	10.044	ppbv 92
19) Isopropyl Alcohol	3.96	45	642097	11.772	ppbv 99
20) Methylene Chloride	4.34	84	410730	8.381	ppbv 98
21) Allyl Chloride	4.41	41	776901	9.903	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	535884	10.577	ppbv 94
23) Vinyl Acetate	5.07	43	727447	7.560	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1062441	8.059	ppbv 99
25) Ethyl Acetate	5.67	43	3201684	12.215	ppbv 99
26) Hexane	5.69	57	1282975	11.138	ppbv 92
27) Carbon Disulfide	4.55	76	1250968	10.478	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	997659	7.845	ppbv 100
29) Chloroform	5.75	83	2007185	10.355	ppbv 99
30) Cyclohexane	7.13	84	1118384	11.558	ppbv 95
31) cis-1,2-Dichloroethene	5.55	61	1246727	10.615	ppbv 95
32) 1,1,1-Trichloroethane	6.51	97	2017967	10.640	ppbv 98
34) 2-Butanone	5.24	43	1700798	10.228	ppbv 98
35) Carbon Tetrachloride	7.02	117	2043606	9.148	ppbv 97
36) Benzene	6.89	78	2663932	10.721	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1460597	8.931	ppbv # 96
38) Trichloroethene	7.83	130	1102902	9.663	ppbv 95
39) 1,2-Dichloropropane	7.61	63	1049137	10.615	ppbv 92
40) 1,4-Dioxane	7.83	88	398656	12.252	ppbv 70
41) Tetrahydrofuran	6.04	42	1076469	10.764	ppbv 99
42) Bromodichloromethane	7.79	83	2186358	9.633	ppbv 98
43) Methyl Methacrylate	8.01	69	1148571	11.867	ppbv 95

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Quant Time: Jun 08 04:58:05 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M

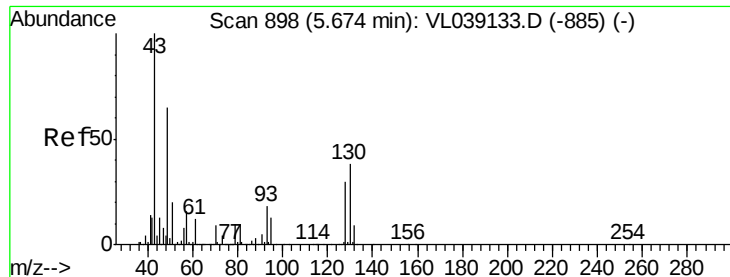
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4437604	10.209	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	881642	8.746	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1255939	9.431	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1130912	10.967	ppbv	98
48) Dibromochloromethane	10.30	129	1898965	10.314	ppbv	100
49) Bromoform	13.03	173	1613066	10.513	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2729732	10.967	ppbv	98
51) 2-Hexanone	10.12	43	2078532	10.732	ppbv #	98
52) Tetrachloroethene	11.22	164	1022597	10.540	ppbv	98
53) Toluene	9.80	91	3170081	11.079	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1590080	11.476	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1443590	8.029	ppbv	95
57) Chlorobenzene	12.14	112	2321007	8.119	ppbv	98
58) Ethyl Benzene	12.70	91	4294469	8.205	ppbv	99
59) m/p-Xylene	12.99	91	3856649	8.368	ppbv #	34
60) o-Xylene	13.68	91	3383130	7.812	ppbv	97
61) Styrene	13.52	104	2014573	8.687	ppbv	94
62) Isopropylbenzene	14.66	105	5303766	8.240	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2308667	9.497	ppbv	99
64) n-propylbenzene	15.55	120	1415707	8.947	ppbv	91
65) tert-Butylbenzene	16.73	119	4723014	8.024	ppbv	95
66) Benzyl Chloride	16.98	91	343863	4.493	ppbv	98
67) sec-Butylbenzene	17.28	105	6708122	8.353	ppbv	99
69) p-Isopropyltoluene	17.64	119	5653861	8.344	ppbv	98
70) n-Butylbenzene	18.54	91	5821142	8.370	ppbv	99
71) 2-Chlorotoluene	15.45	91	4015135	8.180	ppbv	98
72) 4-Ethyltoluene	15.83	105	4190349	8.256	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3776709	8.250	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4066032	7.959	ppbv	92
75) 1,3-Dichlorobenzene	16.99	146	2416023	8.355	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2310909	8.010	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2369210	8.129	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1874478	7.033	ppbv	99
79) Naphthalene	22.18	128	3602298	9.159	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	1031283	7.058	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1030183	4.135	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

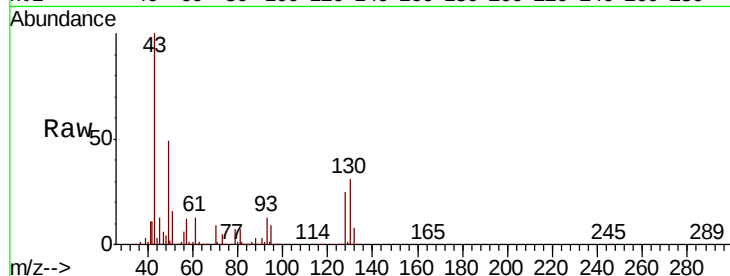
Tot Ion: 49 Resp: 1116429

Ion Ratio Lower Upper

49 100

128 52.4 24.7 74.1

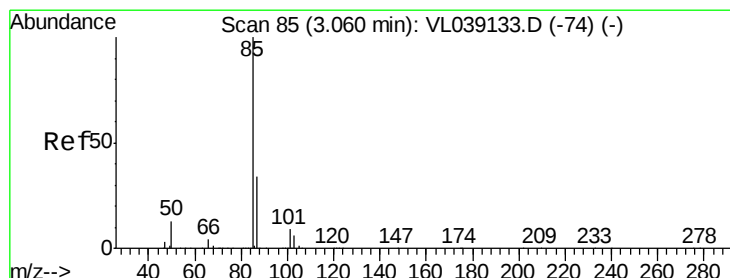
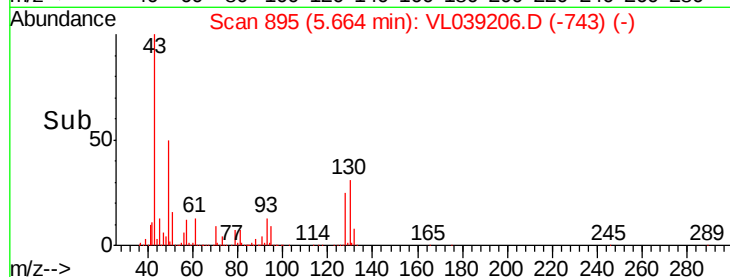
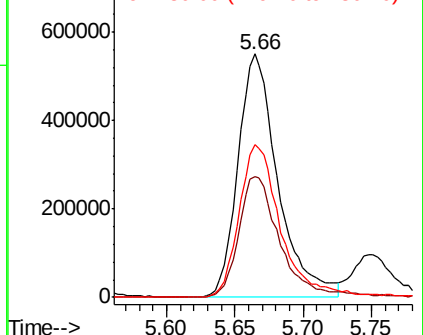
130 67.3 31.4 94.0



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



#2

Dichlorodifluoromethane

Concen: 9.261 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL039206.D

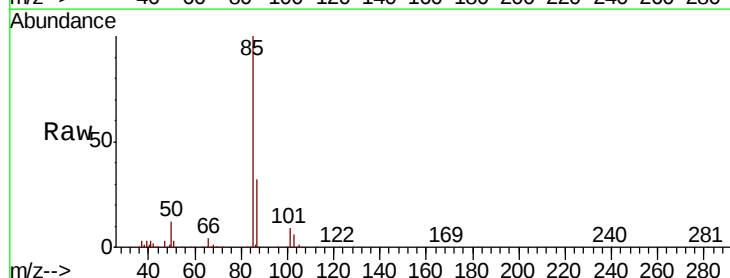
Acq: 7 Jun 2022 12:56

Tgt Ion: 85 Resp: 1816025

Ion Ratio Lower Upper

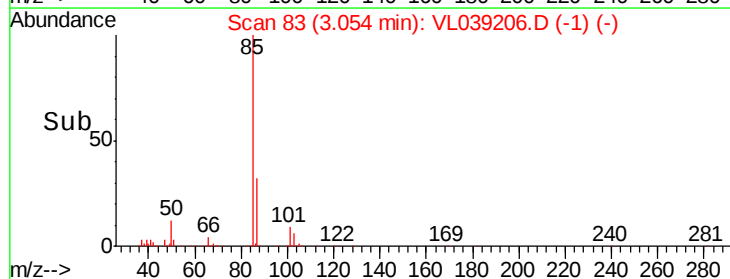
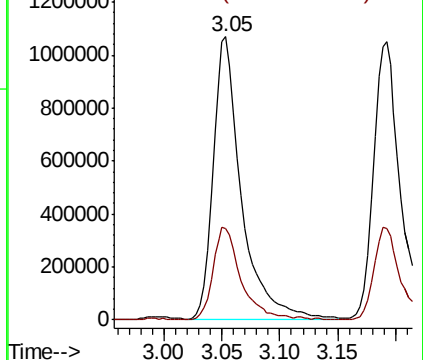
85 100

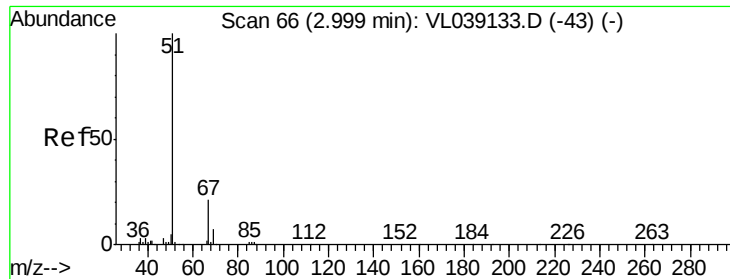
87 32.3 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.220 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL039206.D

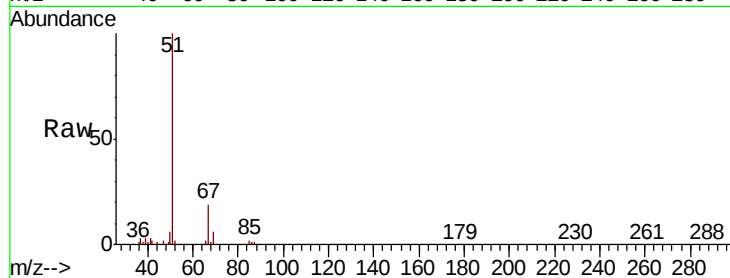
Acq: 7 Jun 2022 12:56

Tot Ion: 51 Resp: 1451779

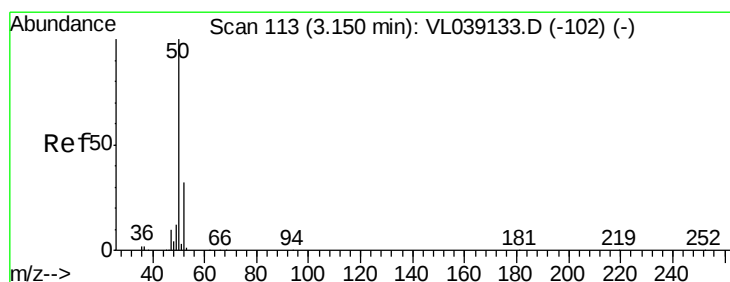
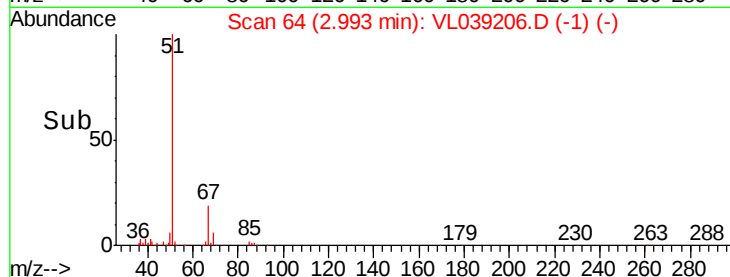
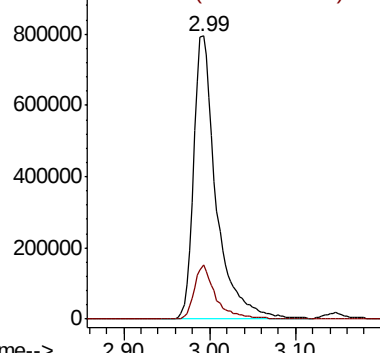
Ion Ratio Lower Upper

51 100

67 18.3 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: 9.732 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039206.D

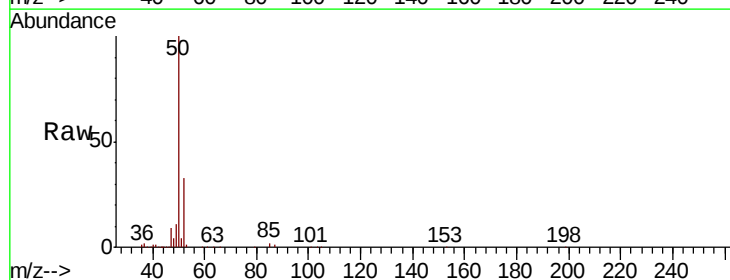
Acq: 7 Jun 2022 12:56

Tgt Ion: 50 Resp: 710135

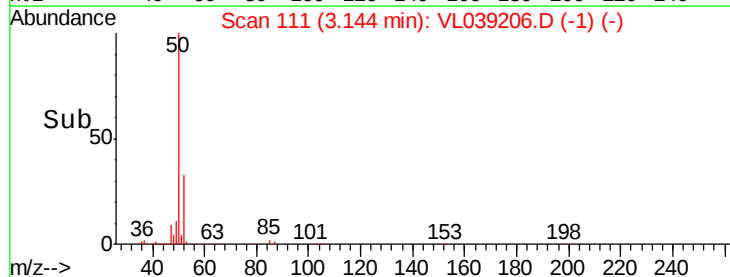
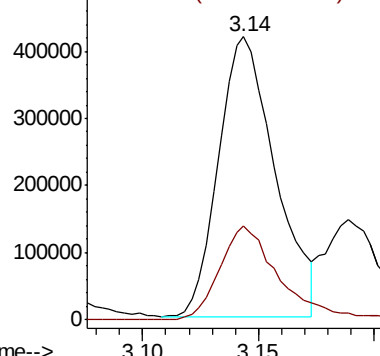
Ion Ratio Lower Upper

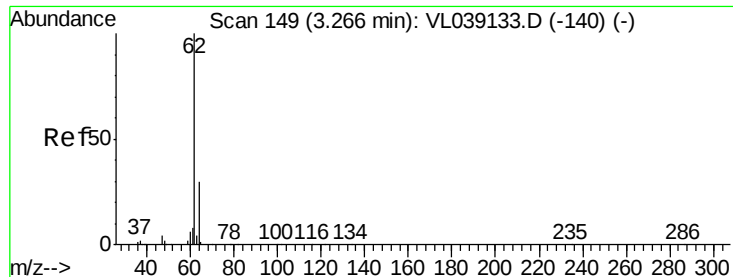
50 100

52 33.4 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: 10.511 ppbv

RT: 3.26 min Scan# 148

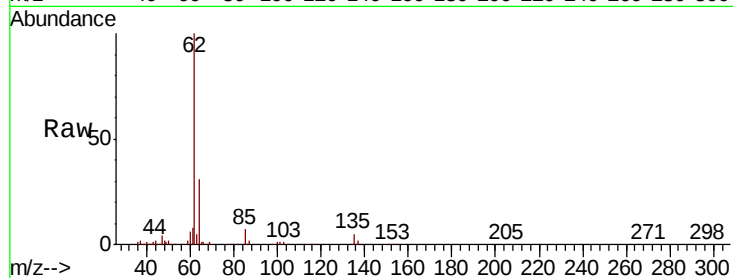
Delta R.T. -0.00 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

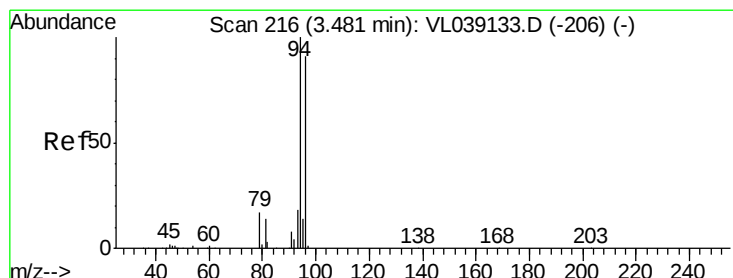
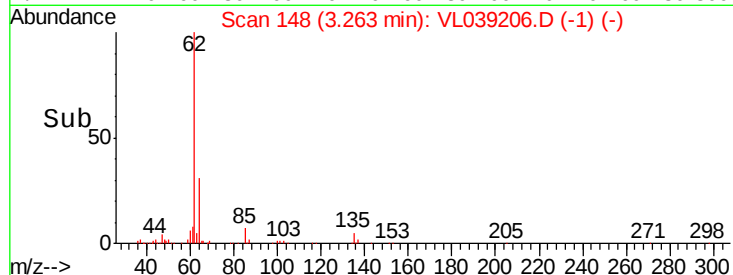
Tot Ion: 62 Resp: 716957

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.2	36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.791 ppbv

RT: 3.48 min Scan# 215

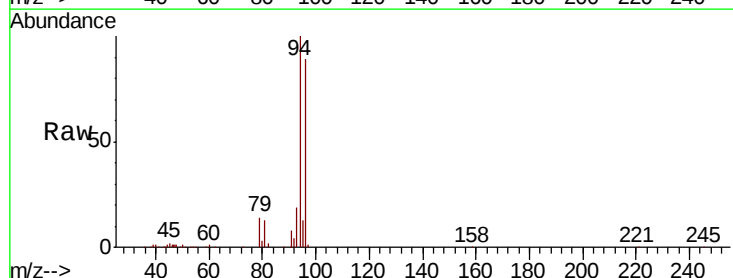
Delta R.T. -0.00 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

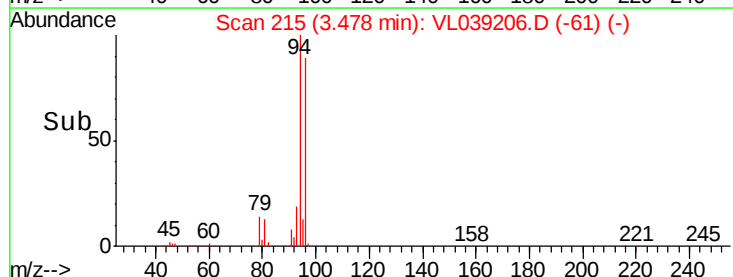
Tgt Ion: 94 Resp: 328531

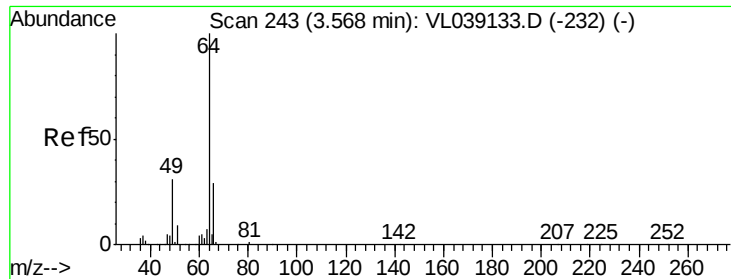
Ion	Ratio	Lower	Upper
94	100		
96	88.5	73.0	109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.448 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL039206.D

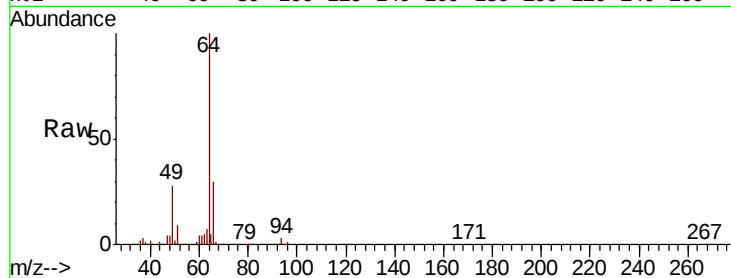
Acq: 7 Jun 2022 12:56

Tot Ion: 64 Resp: 248319

Ion Ratio Lower Upper

64 100

66 29.7 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

150000

100000

50000

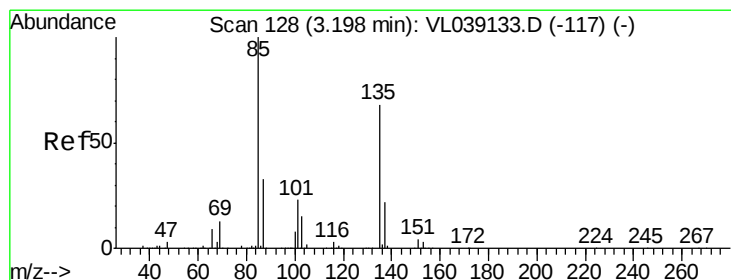
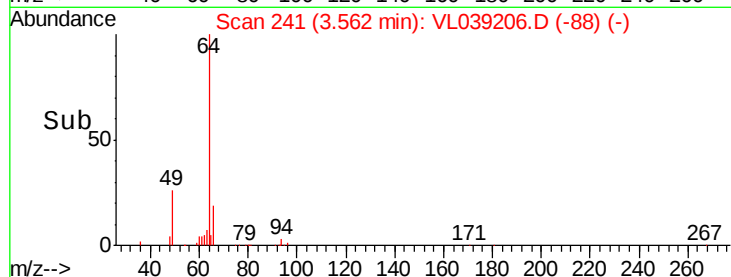
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Time-->

3.50

3.55

3.60



#8

Dichlorotetrafluoroethane

Concen: 9.623 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.01 min

Lab File: VL039206.D

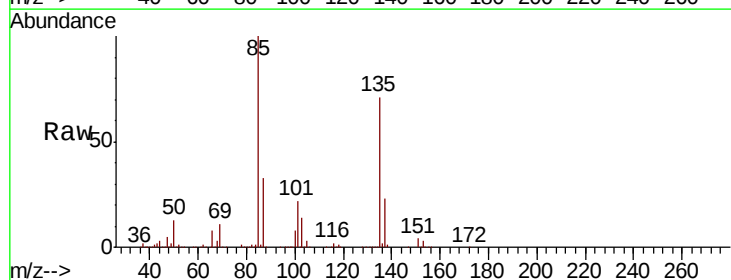
Acq: 7 Jun 2022 12:56

Tgt Ion: 85 Resp: 1724516

Ion Ratio Lower Upper

85 100

135 73.8 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

400000

200000

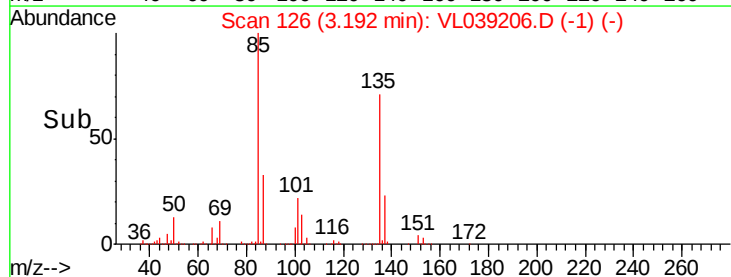
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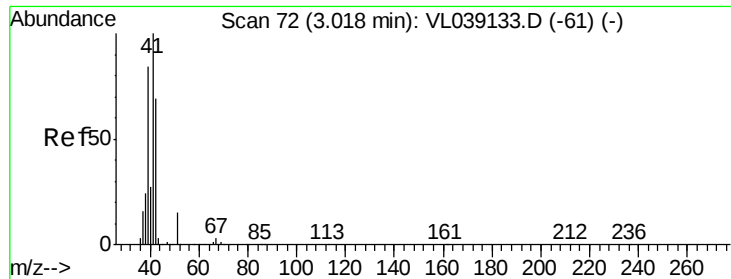
Time-->

3.15

3.20

3.25





#9

Propene

Concen: 10.629 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL039206.D

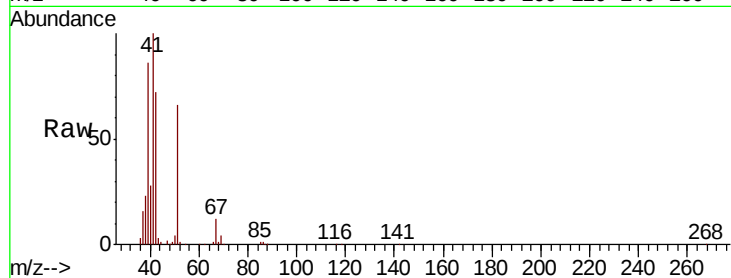
Acq: 7 Jun 2022 12:56

Tot Ion: 41 Resp: 658370

Ion Ratio Lower Upper

41 100

42 70.9 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

400000

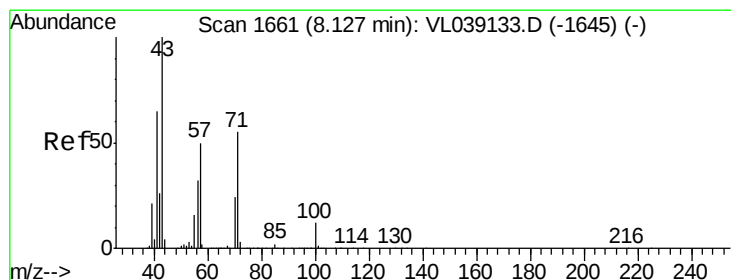
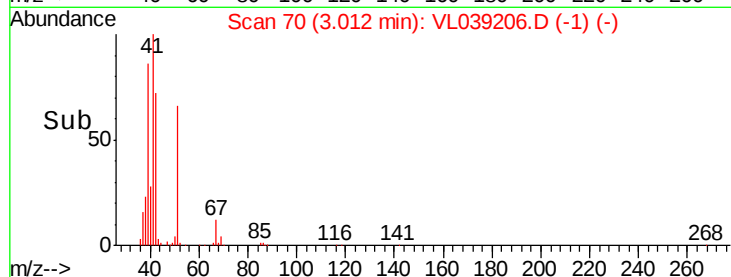
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 11.598 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL039206.D

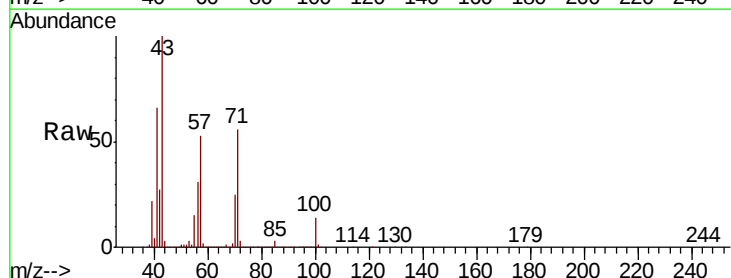
Acq: 7 Jun 2022 12:56

Tgt Ion: 43 Resp: 1675912

Ion Ratio Lower Upper

43 100

57 51.4 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

800000

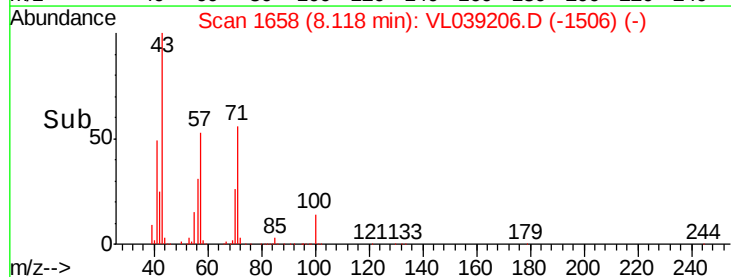
600000

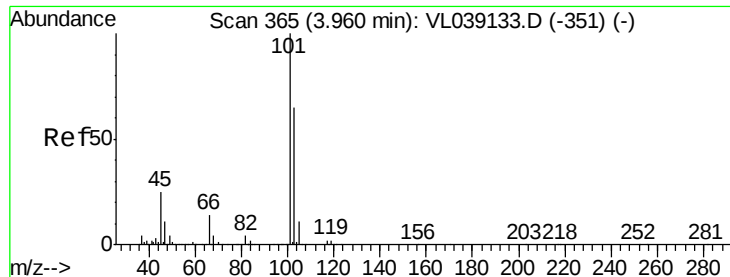
400000

200000

0

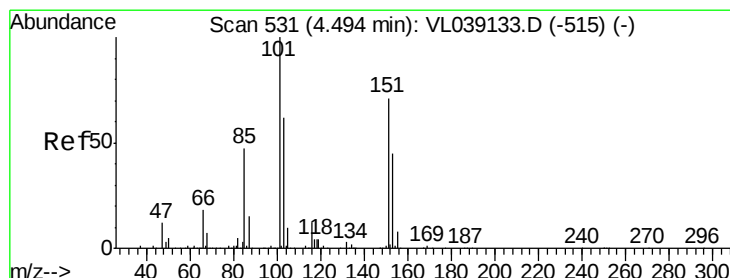
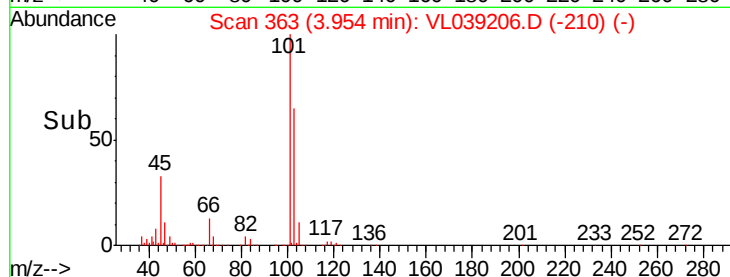
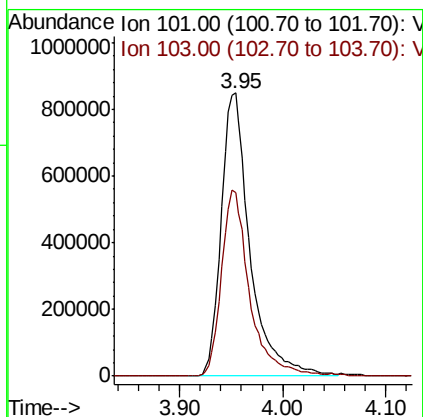
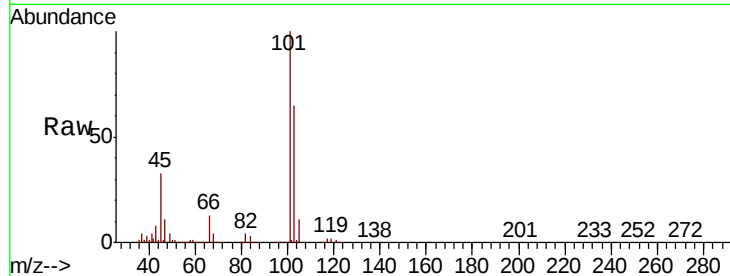
Time-->





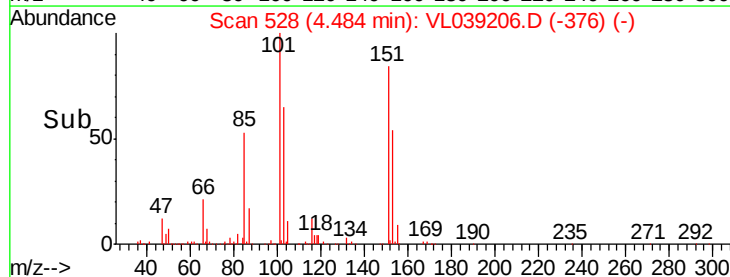
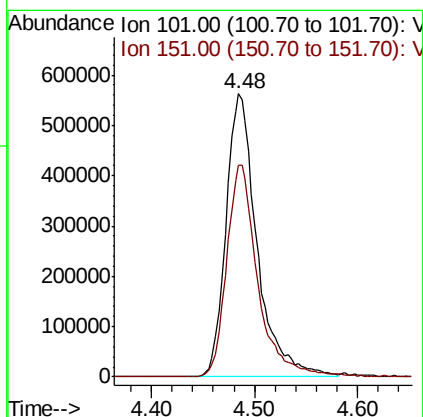
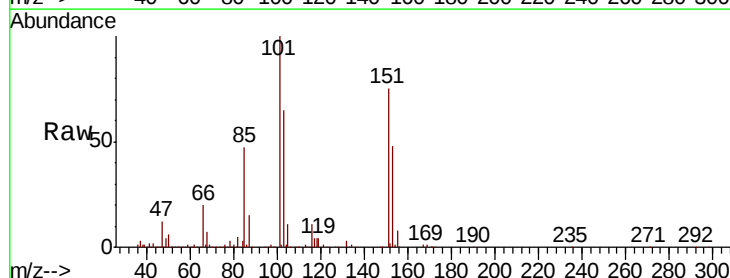
#11
 Trichlorofluoromethane
 Concen: 9.317 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

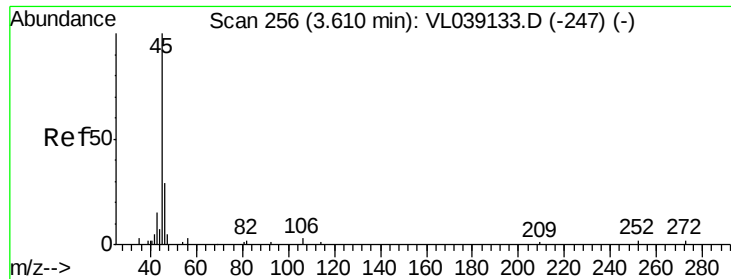
Tot Ion:101 Resp: 1653894
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.056 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tgt Ion:101 Resp: 1180412
 Ion Ratio Lower Upper
 101 100
 151 75.7 59.4 89.0





#13

Ethanol

Concen: 15.336 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL039206.D

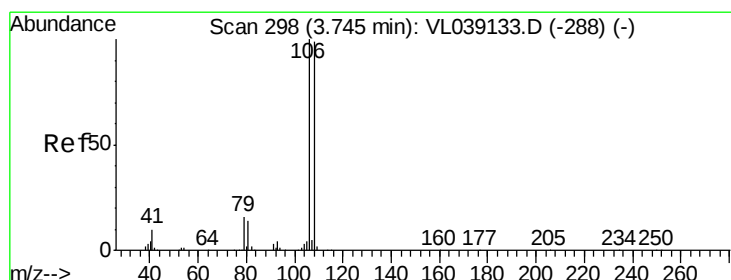
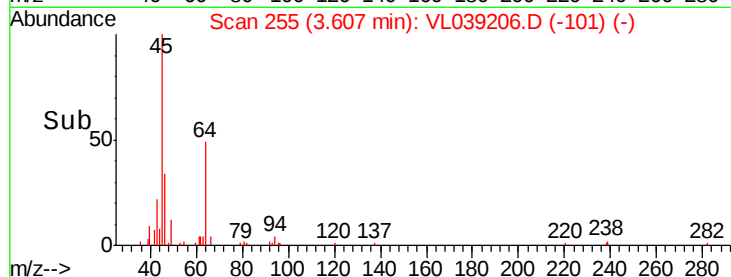
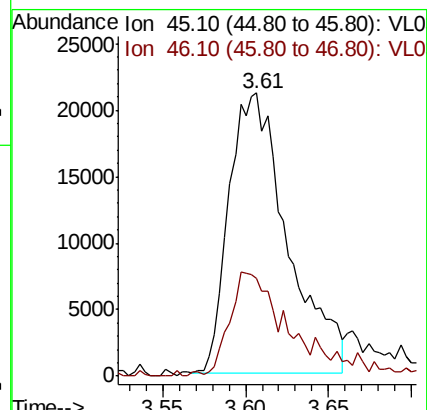
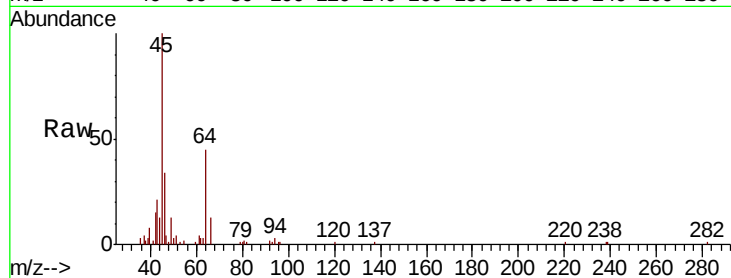
Acq: 7 Jun 2022 12:56

Tot Ion: 45 Resp: 51803

Ion Ratio Lower Upper

45 100

46 40.8 0.0 0.0#



#14

Bromoethene

Concen: 10.127 ppbv

RT: 3.74 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

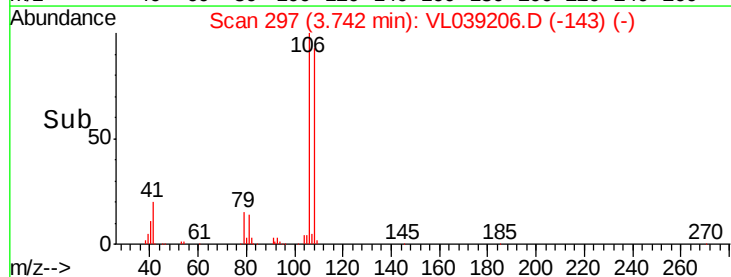
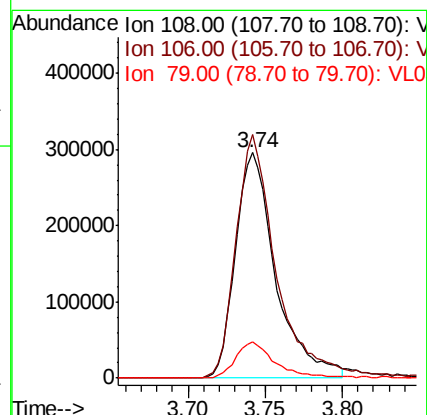
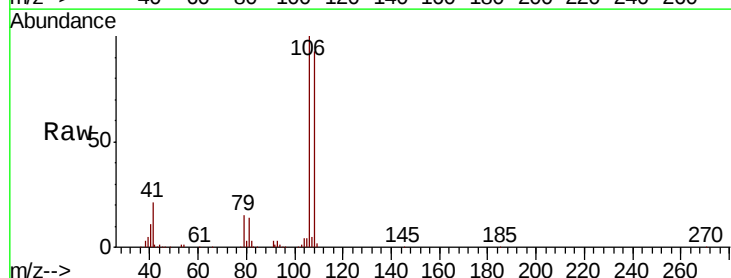
Tgt Ion: 108 Resp: 534404

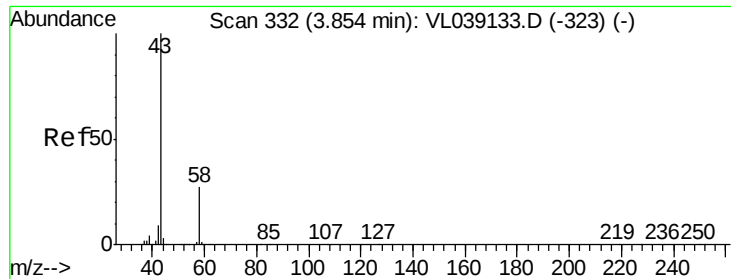
Ion Ratio Lower Upper

108 100

106 110.0 88.4 132.6

79 16.1 13.4 20.2





#15

Acetone

Concen: 10.551 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL039206.D

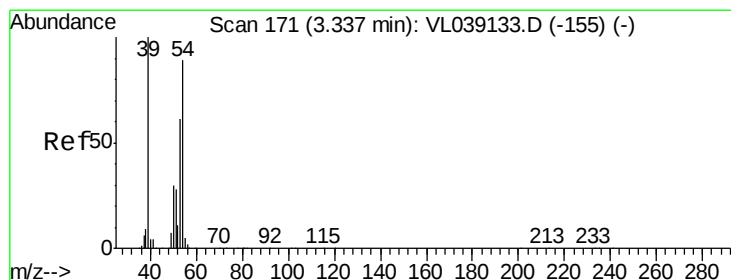
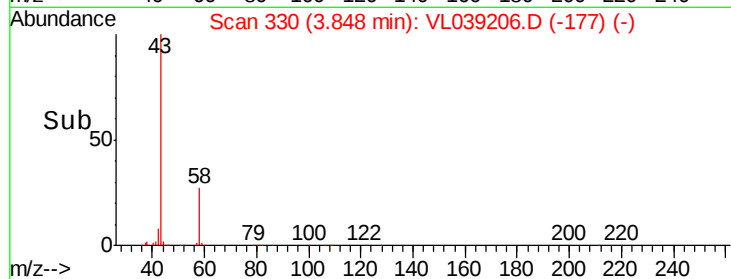
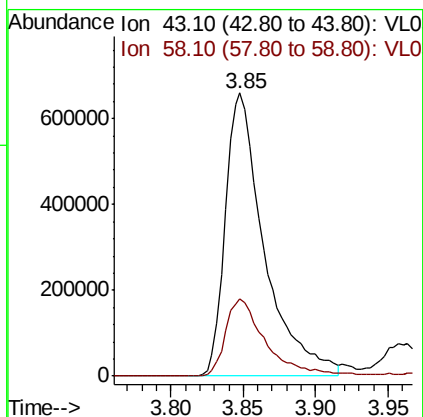
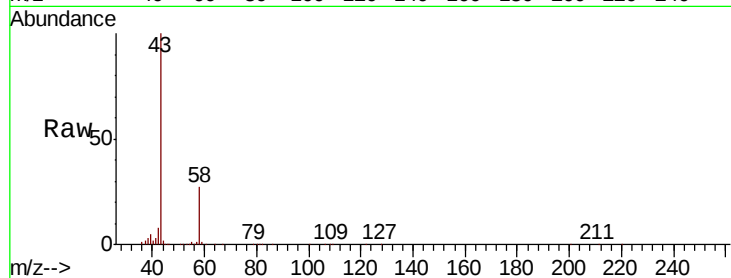
Acq: 7 Jun 2022 12:56

Tot Ion: 43 Resp: 1227010

Ion Ratio Lower Upper

43 100

58 28.4 22.5 33.7



#16

1,3-Butadiene

Concen: 10.359 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.01 min

Lab File: VL039206.D

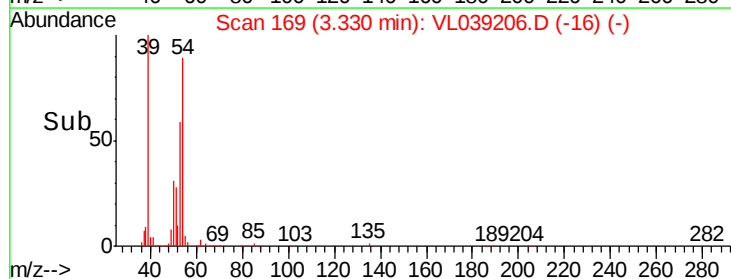
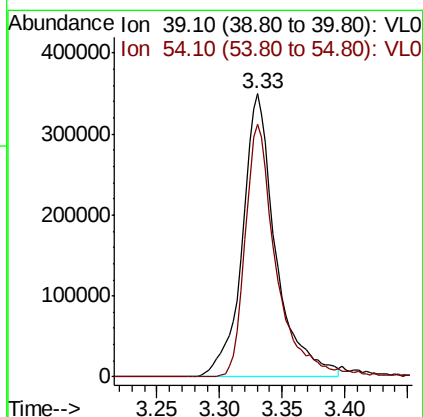
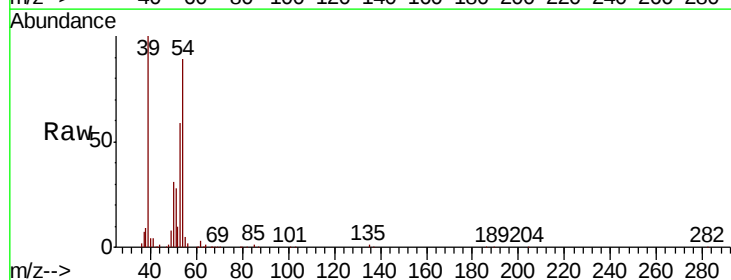
Acq: 7 Jun 2022 12:56

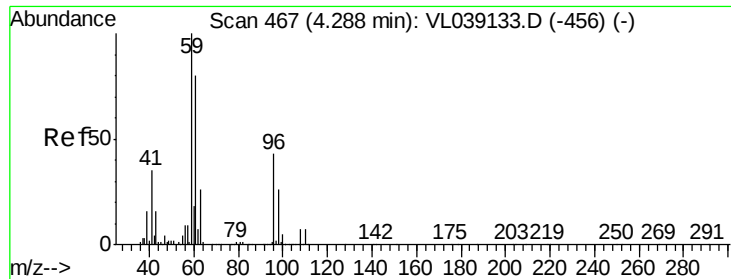
Tgt Ion: 39 Resp: 647580

Ion Ratio Lower Upper

39 100

54 84.4 65.8 98.6



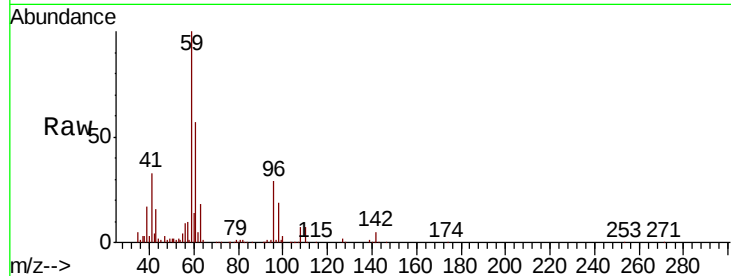


#17

tert-Butyl alcohol
Concen: 12.567 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion: 59 Resp: 1133589

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.1	13.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

600000

500000

400000

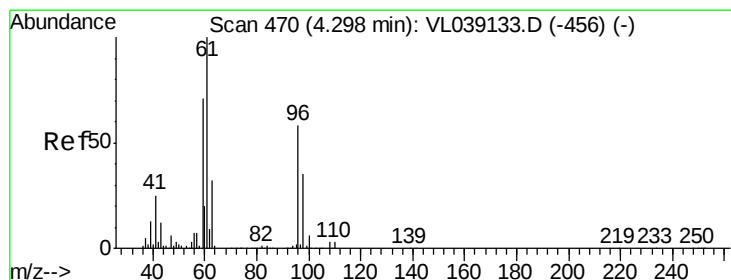
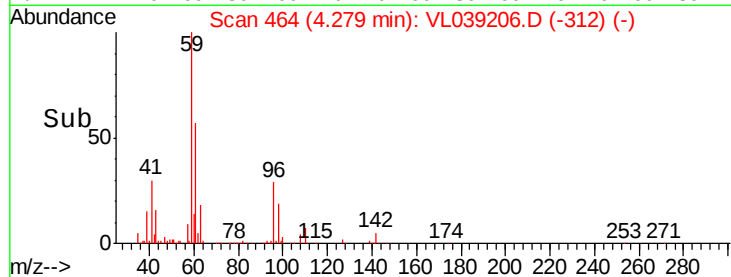
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35

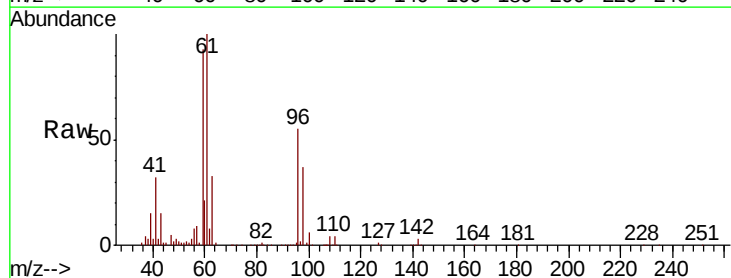


#18

1,1-Dichloroethene
Concen: 10.044 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion: 96 Resp: 528895

Ion	Ratio	Lower	Upper
96	100		
61	183.4	138.4	207.6
98	67.5	47.8	71.8



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

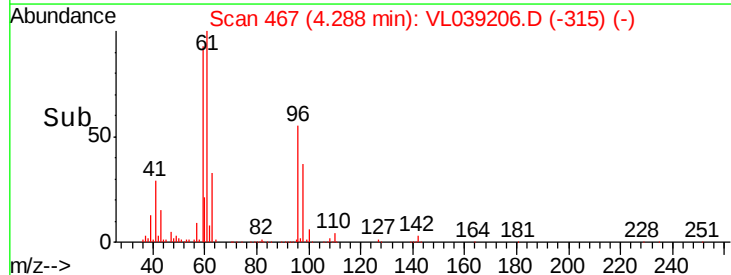
600000

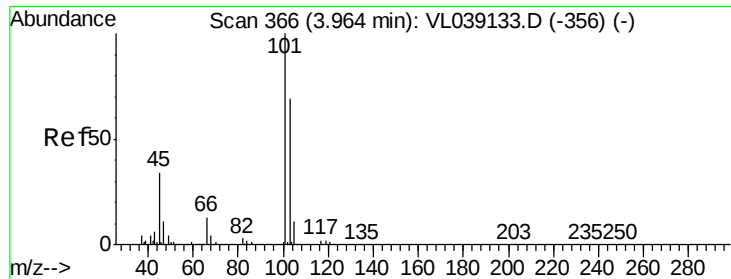
400000

200000

0

Time--> 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 11.772 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VL039206.D

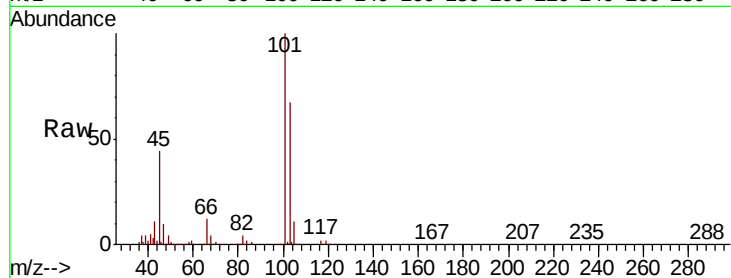
Acq: 7 Jun 2022 12:56

Tot Ion: 45 Resp: 642097

Ion Ratio Lower Upper

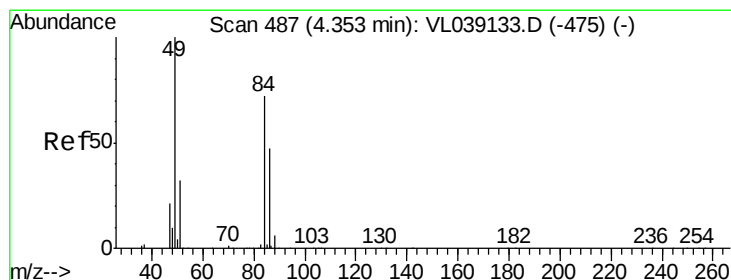
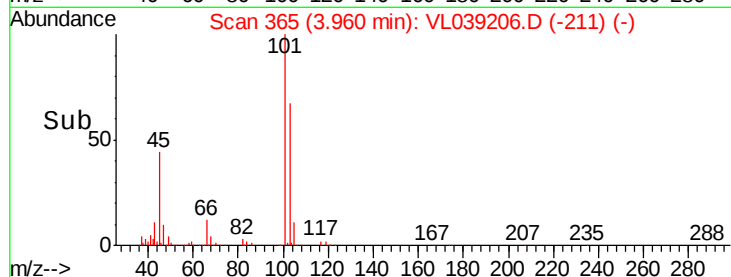
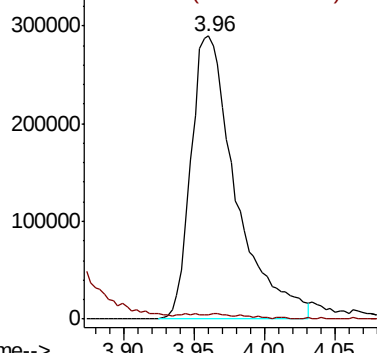
45 100

58 2.7 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.381 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tgt Ion: 84 Resp: 410730

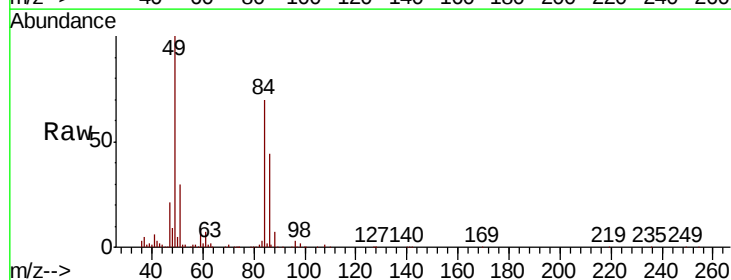
Ion Ratio Lower Upper

84 100

49 140.8 111.1 166.7

51 41.2 35.3 52.9

86 62.4 51.9 77.9

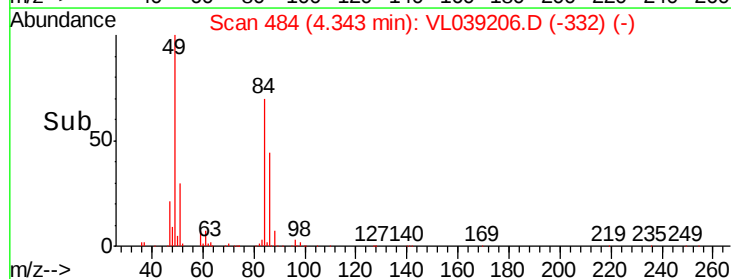
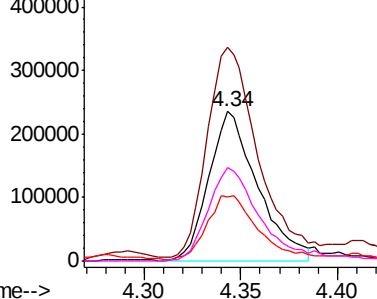


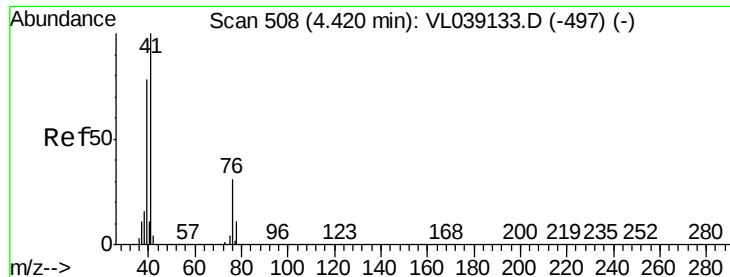
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

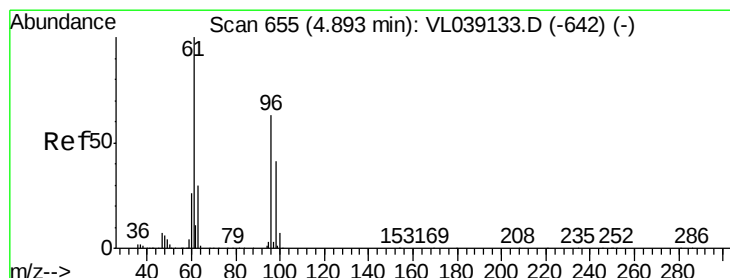
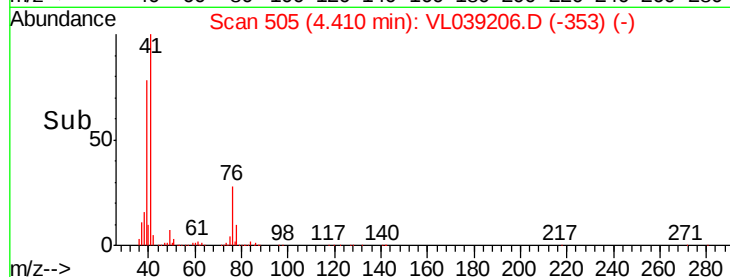
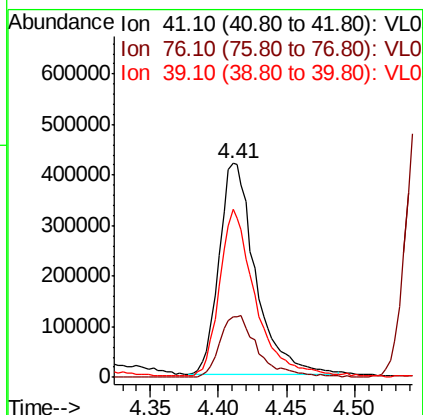
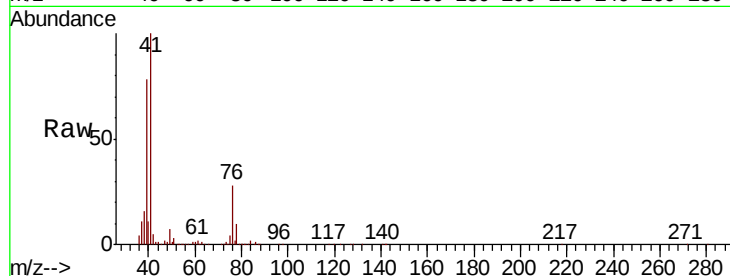
Ion 86.00 (85.70 to 86.70): VL0





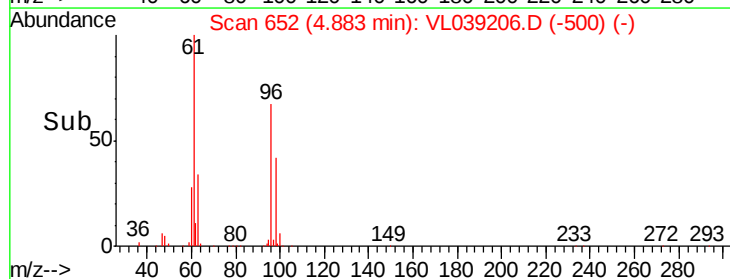
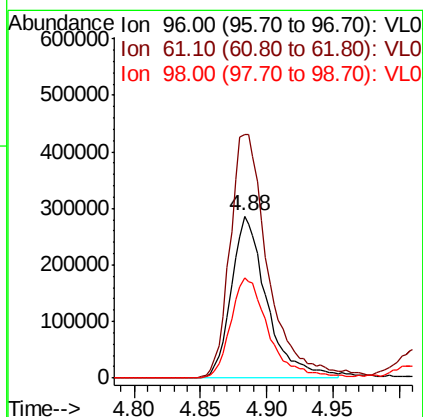
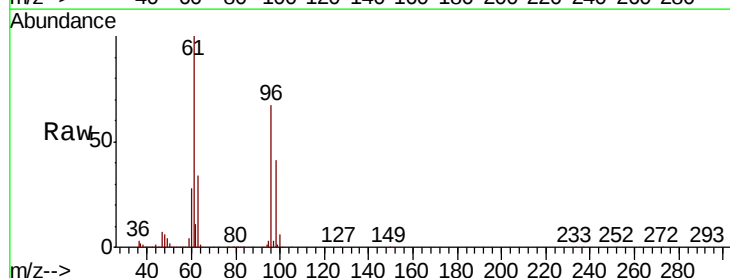
#21
Allvl Chloride
Concen: 9.903 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

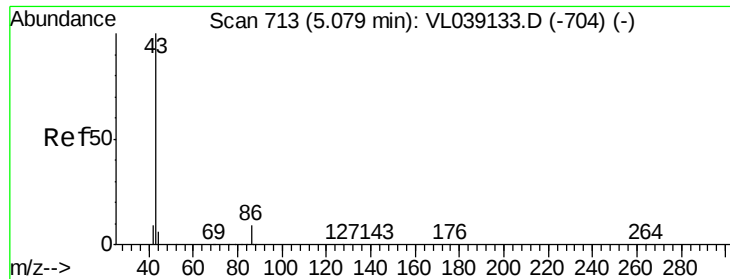
Tot Ion: 41 Resp: 776901
Ion Ratio Lower Upper
41 100
76 30.8 24.2 36.2
39 77.9 62.2 93.2



#22
trans-1,2-Dichloroethene
Concen: 10.577 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion: 96 Resp: 535884
Ion Ratio Lower Upper
96 100
61 150.2 126.6 190.0
98 62.3 52.5 78.7





#23

Vinyl Acetate

Concen: 7.560 ppbv

RT: 5.07 min Scan# 710

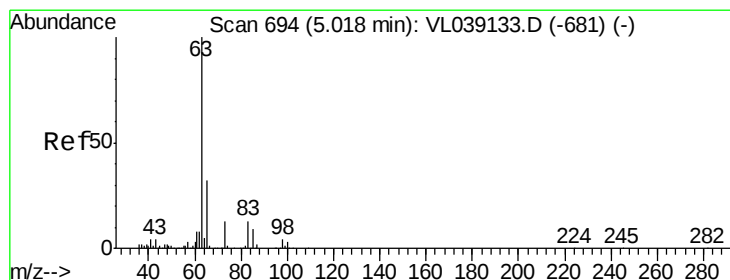
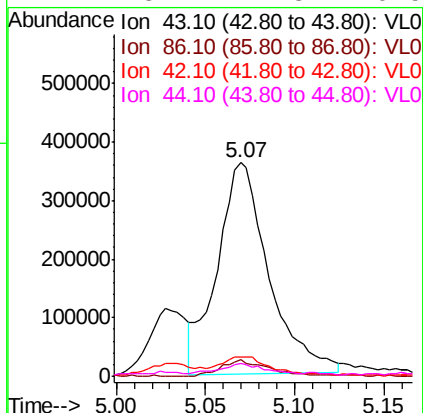
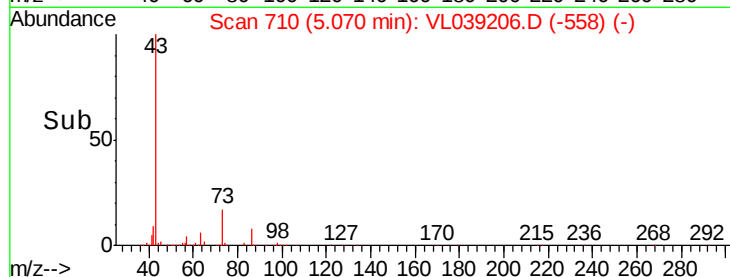
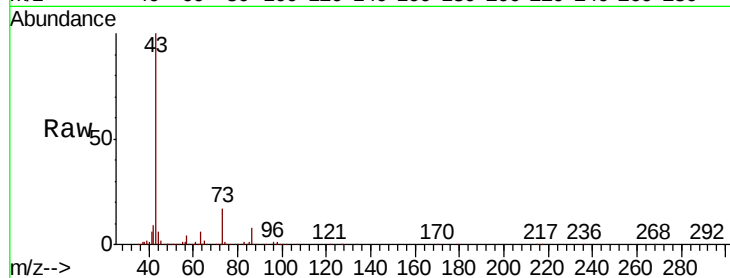
Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tot Ion: 43 Resp: 727447

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.0	9.0
42	8.8	8.2	12.4
44	5.4	4.3	6.5



#24

1,1-Dichloroethane

Concen: 8.059 ppbv

RT: 5.01 min Scan# 691

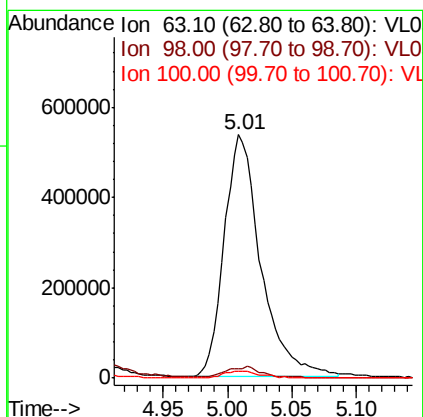
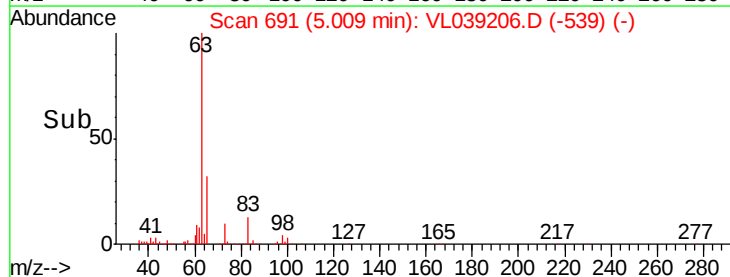
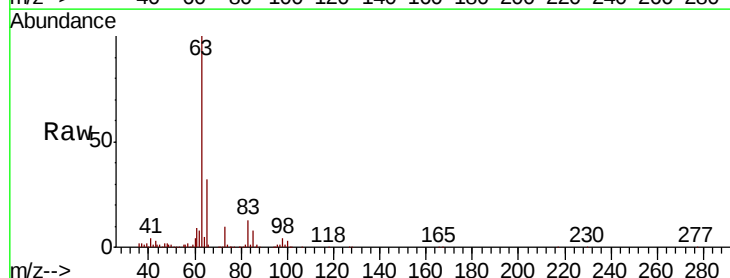
Delta R.T. -0.01 min

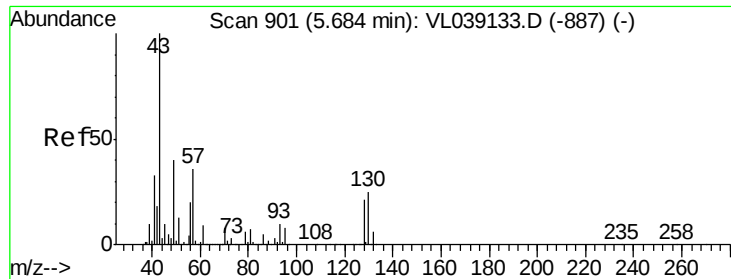
Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tgt Ion: 63 Resp: 1062441

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.2
100	2.5	1.5	4.5

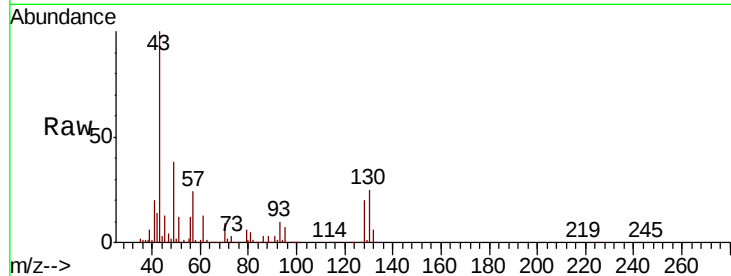




#25
Ethyl Acetate
Concen: 12.215 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion: 43 Resp: 3201684

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.2
61	10.2	8.4	12.6
70	7.4	5.6	8.4



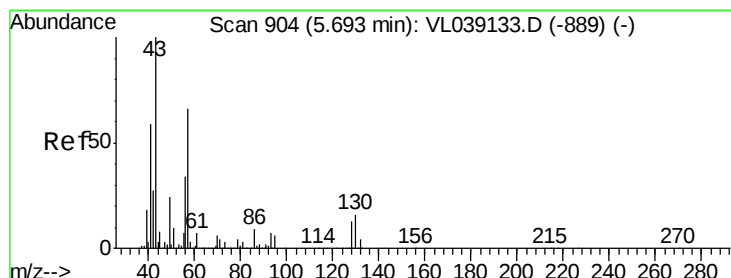
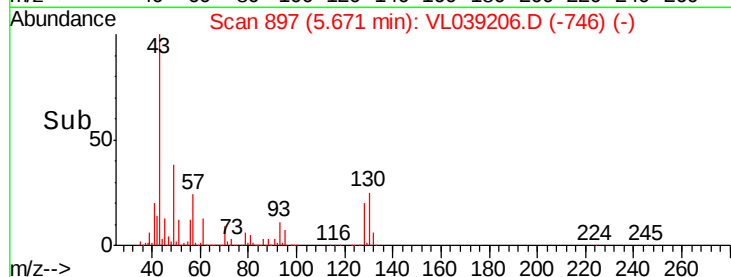
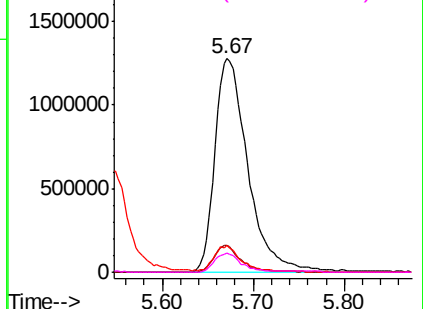
Abundance

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

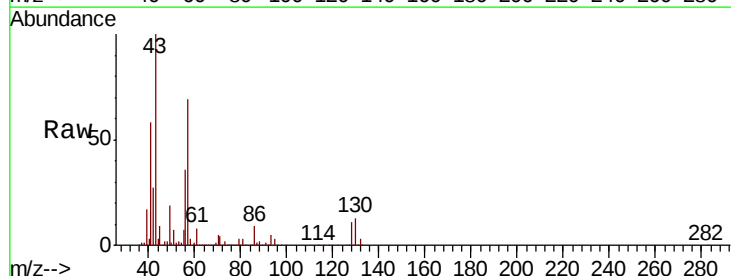
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 11.138 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion: 57 Resp: 1282975

Ion	Ratio	Lower	Upper
57	100		
41	86.6	72.4	108.6
43	252.6	187.0	280.6
56	52.2	41.8	62.6



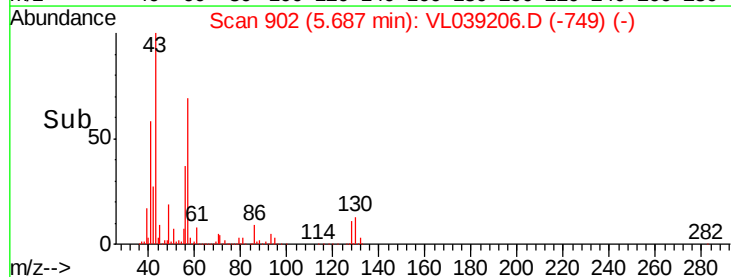
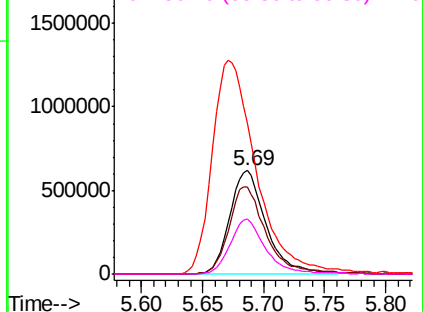
Abundance

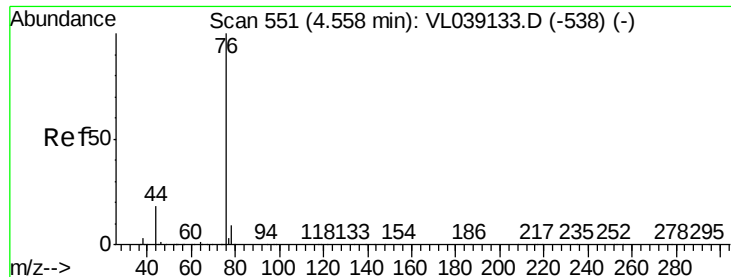
Ion 57.10 (56.80 to 57.80): VL0

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: 10.478 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

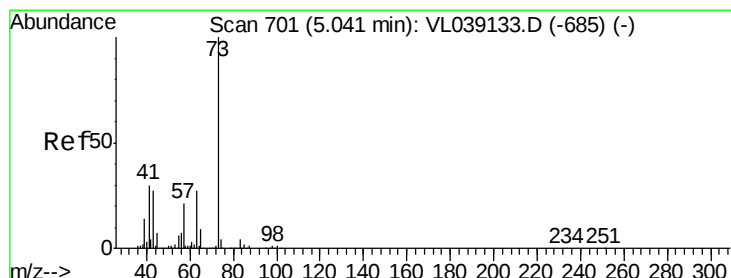
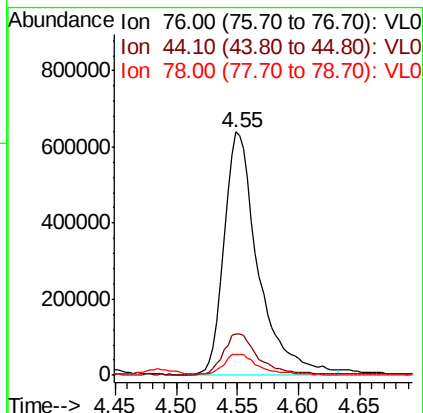
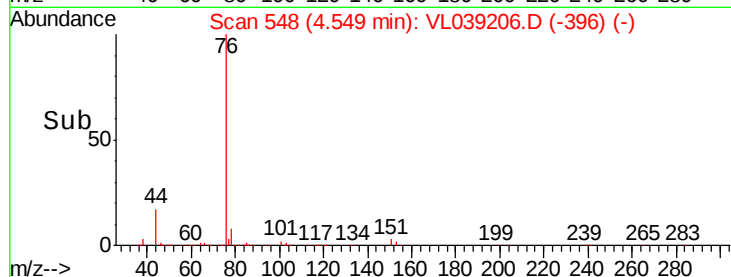
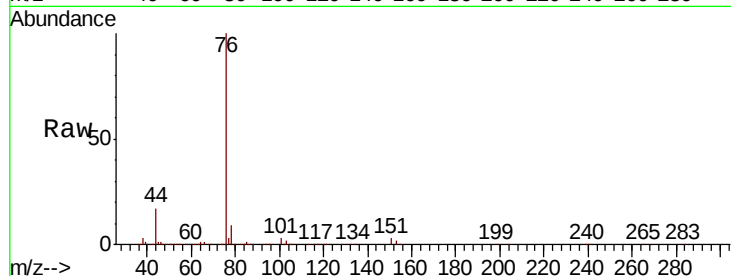
Tot Ion: 76 Resp: 1250968

Ion Ratio Lower Upper

76 100

44 17.3 14.4 21.6

78 9.2 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 7.845 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL039206.D

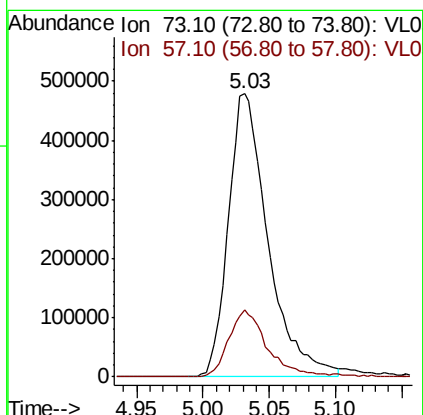
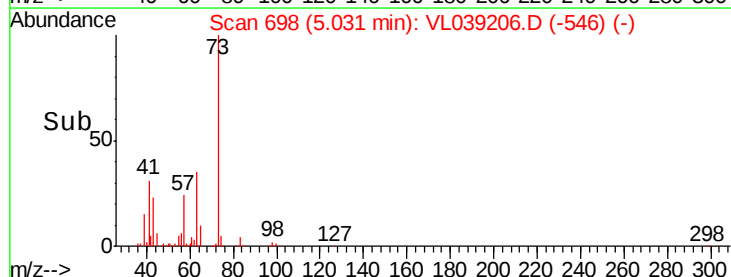
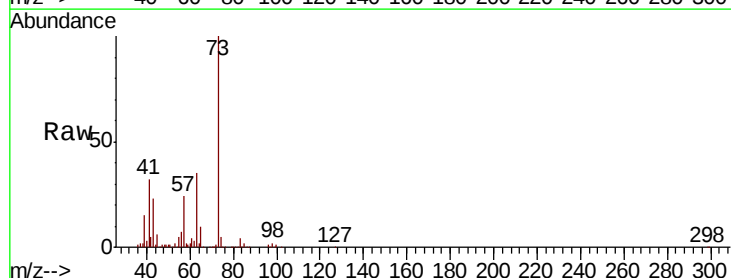
Acq: 7 Jun 2022 12:56

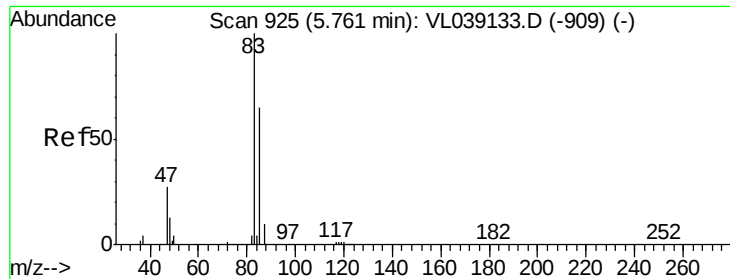
Tgt Ion: 73 Resp: 997659

Ion Ratio Lower Upper

73 100

57 23.4 18.6 27.8





#29

Chloroform

Concen: 10.355 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL039206.D

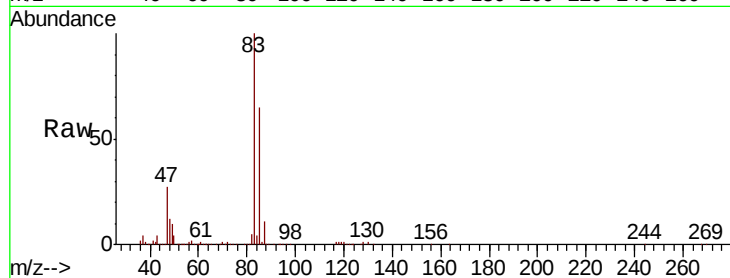
Acq: 7 Jun 2022 12:56

Tot Ion: 83 Resp: 2007185

Ion Ratio Lower Upper

83 100

85 64.9 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.75

1000000

800000

600000

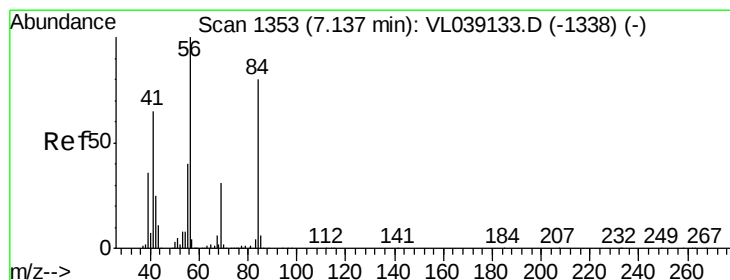
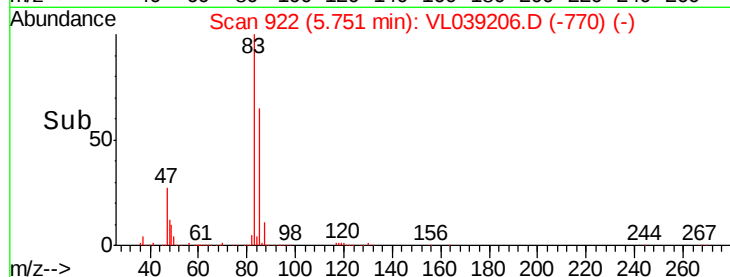
400000

200000

0

Time-->

5.70 5.80 5.90



#30

Cyclohexane

Concen: 11.558 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

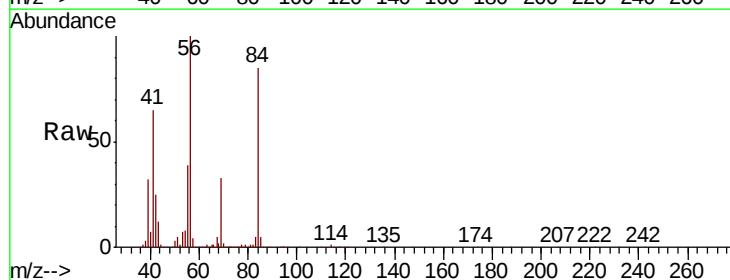
Tgt Ion: 84 Resp: 1118384

Ion Ratio Lower Upper

84 100

56 133.5 110.6 165.8

41 79.8 68.9 103.3



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

800000

600000

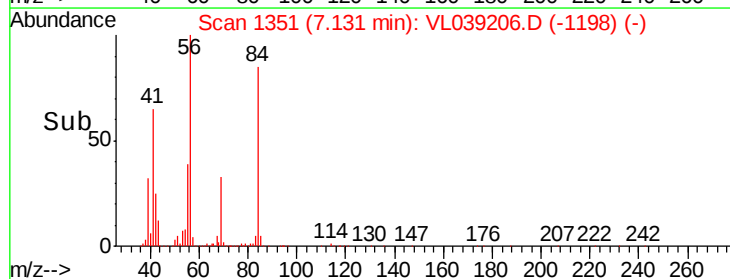
400000

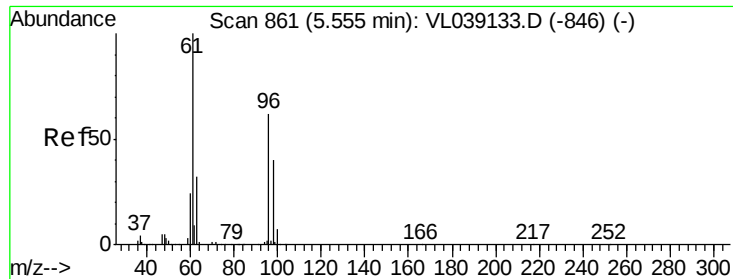
200000

0

Time-->

7.05 7.10 7.15 7.20 7.25



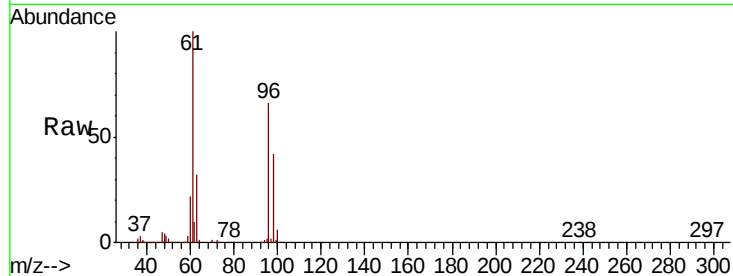


#31

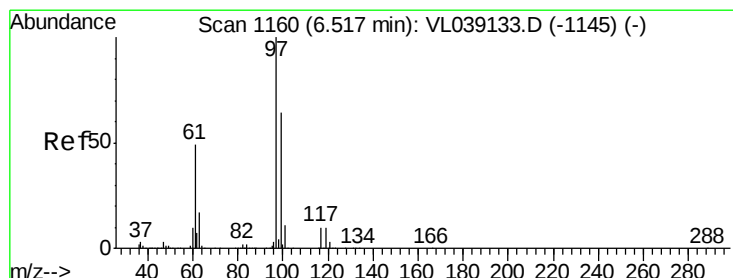
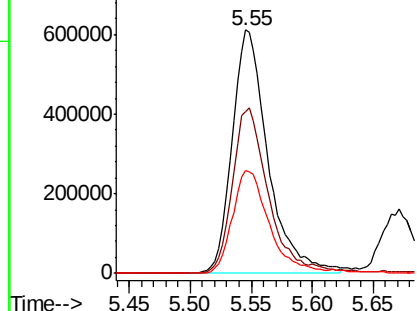
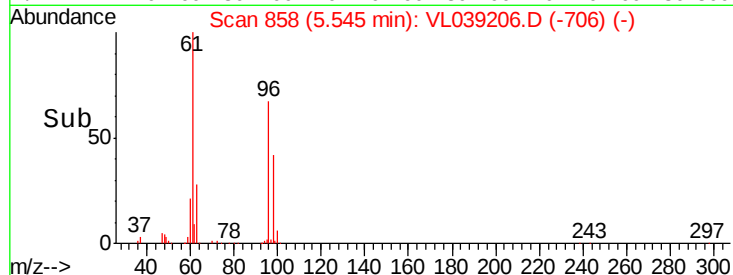
cis-1,2-Dichloroethene
 Concen: 10.615 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tot Ion: 61 Resp: 1246727

Ion	Ratio	Lower	Upper
61	100		
96	66.4	49.9	74.9
98	42.3	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

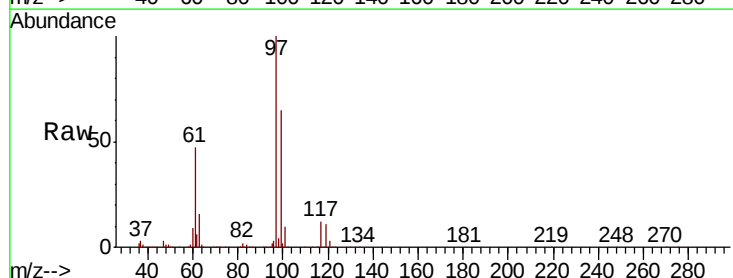


#32

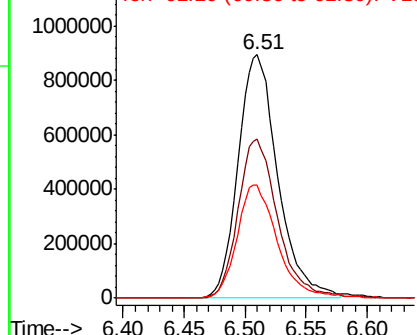
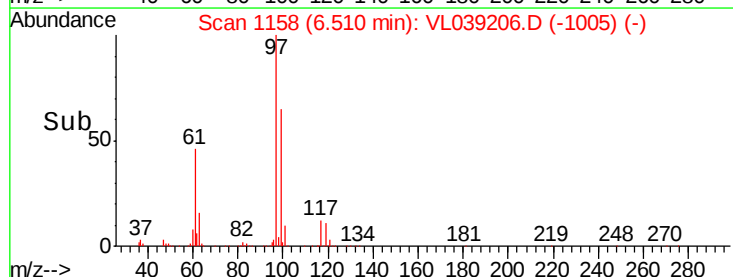
1,1,1-Trichloroethane
 Concen: 10.640 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

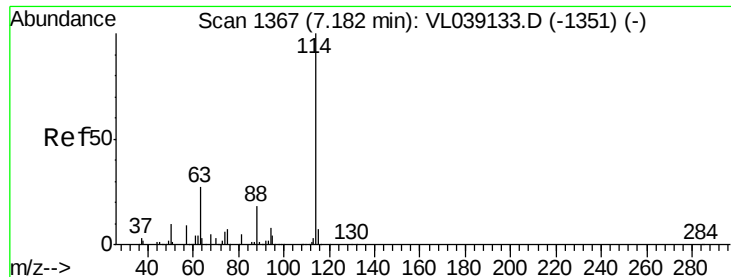
Tgt Ion: 97 Resp: 2017967

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.1	78.1
61	47.6	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

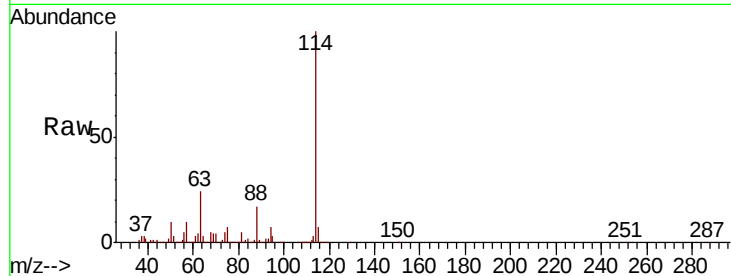




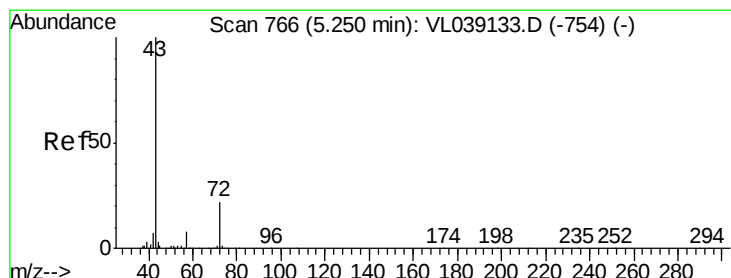
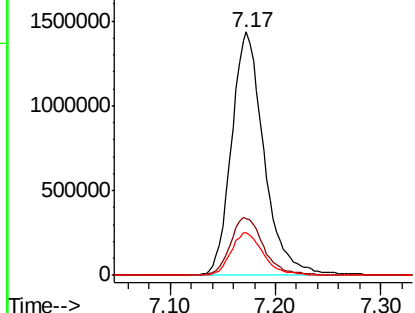
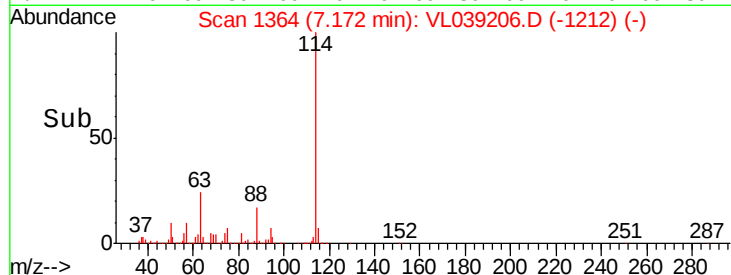
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tot Ion:114 Resp: 3060732

Ion	Ratio	Lower	Upper
114	100		
63	24.6	21.7	32.5
88	17.8	14.8	22.2



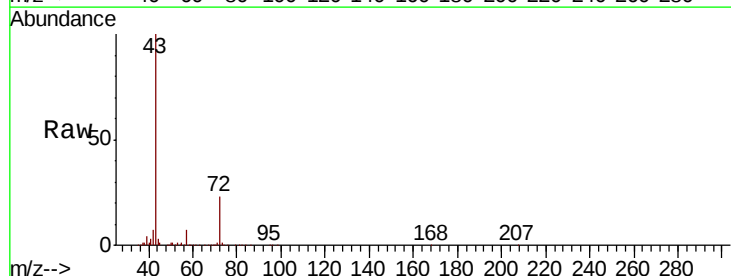
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



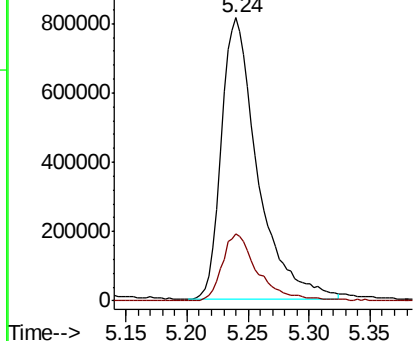
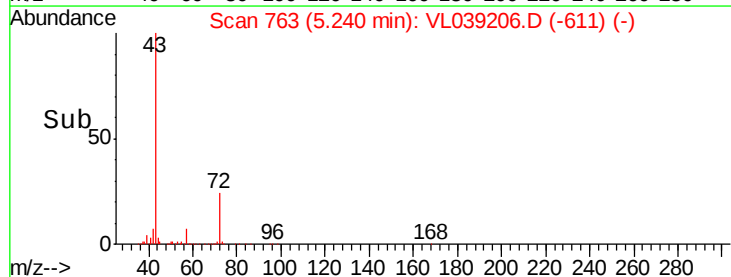
#34
 2-Butanone
 Concen: 10.228 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

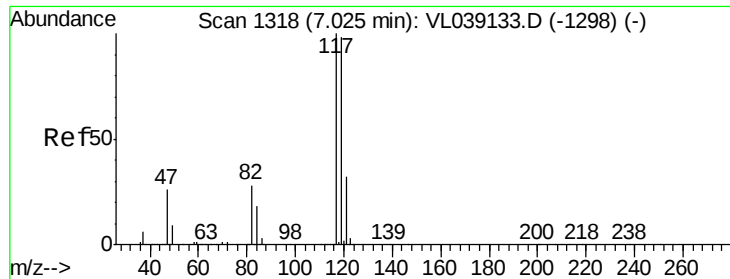
Tgt Ion: 43 Resp: 1700798

Ion	Ratio	Lower	Upper
43	100		
72	23.7	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: 9.148 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

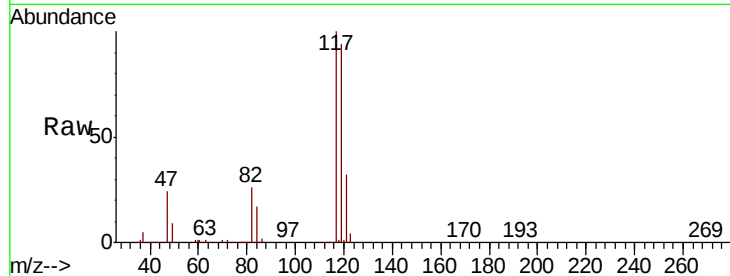
Tot Ion: 117 Resp: 2043606

Ion Ratio Lower Upper

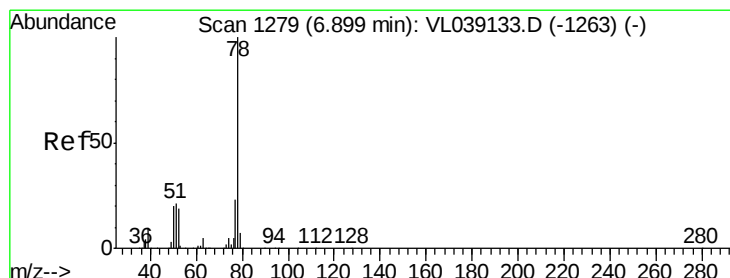
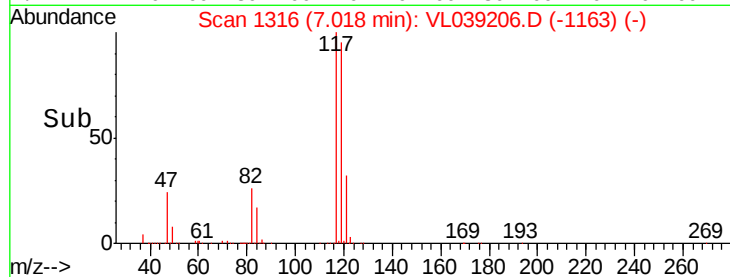
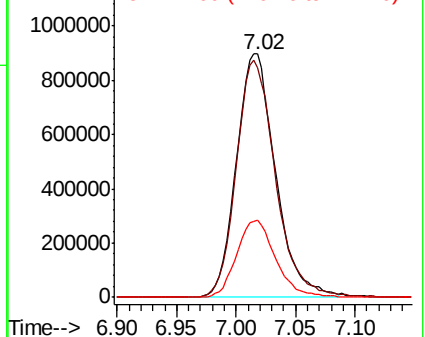
117 100

119 94.0 78.6 118.0

121 31.6 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: 10.721 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

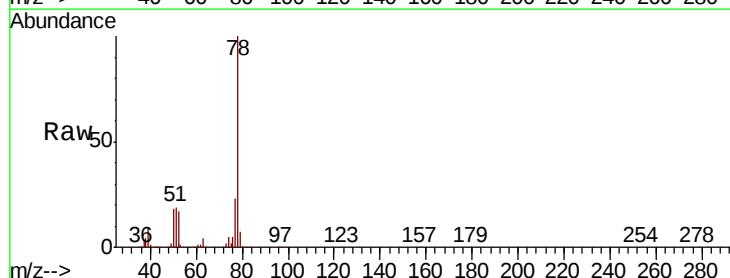
Tgt Ion: 78 Resp: 2663932

Ion Ratio Lower Upper

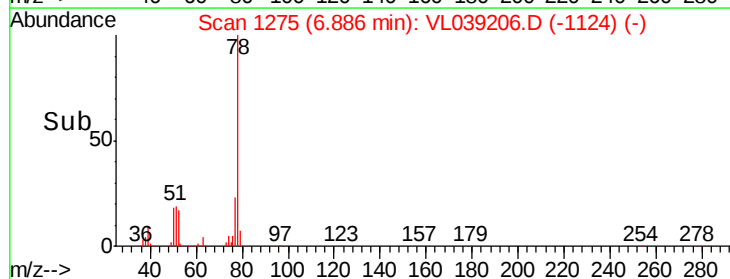
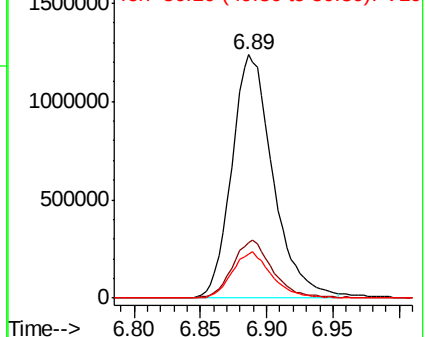
78 100

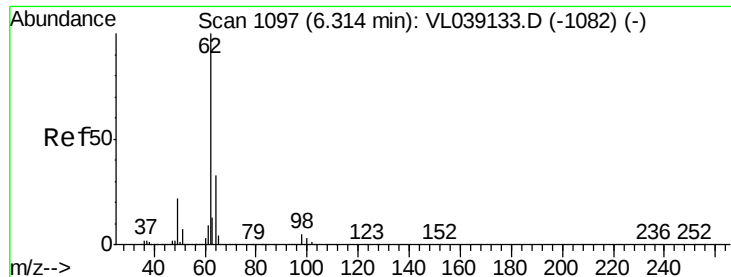
77 22.5 18.6 27.8

50 17.9 15.8 23.8



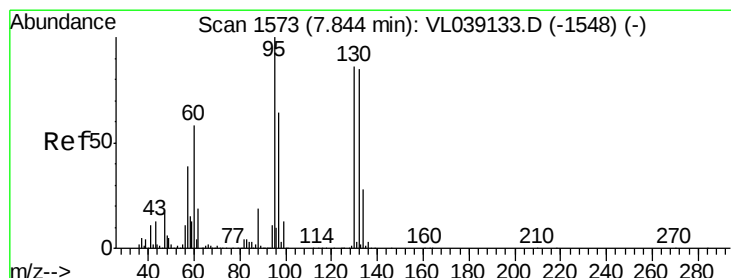
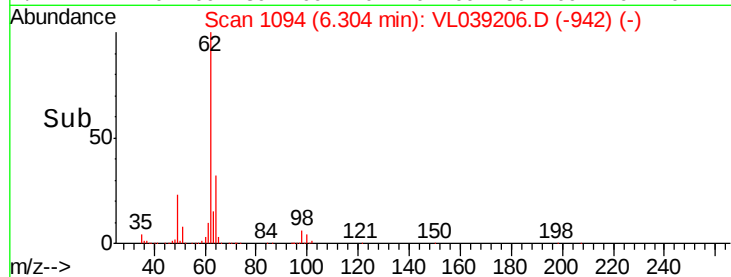
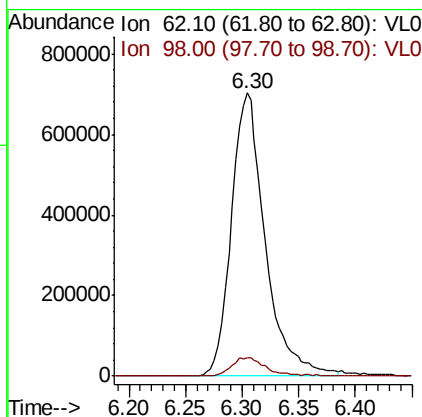
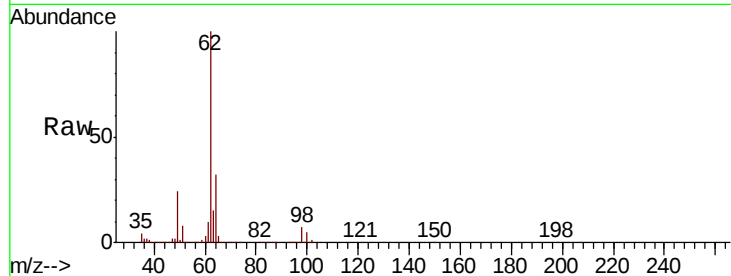
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





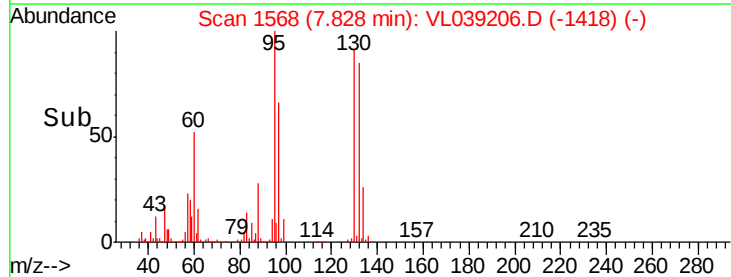
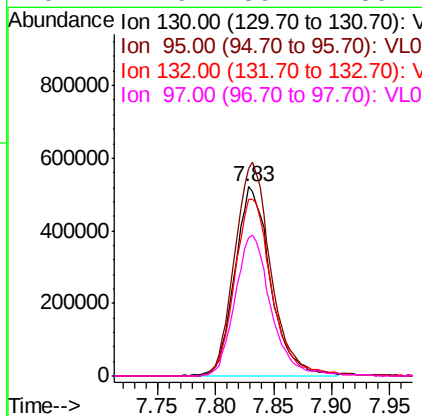
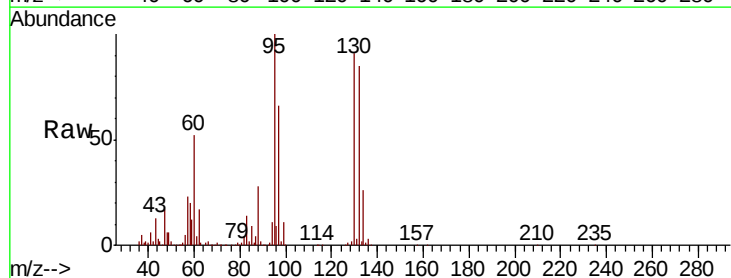
#37
 1,2-Dichloroethane
 Concen: 8.931 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

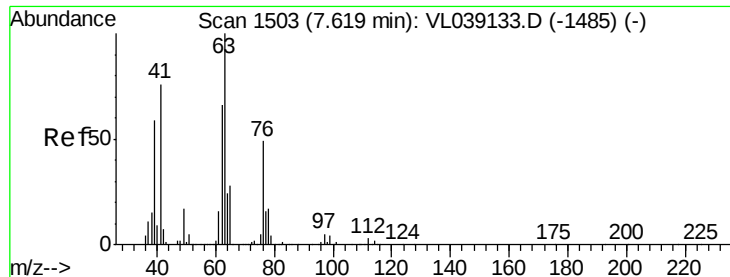
Tot Ion: 62 Resp: 1460597
 Ion Ratio Lower Upper
 62 100
 98 6.9 4.3 6.5#



#38
 Trichloroethene
 Concen: 9.663 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tgt Ion: 130 Resp: 1102902
 Ion Ratio Lower Upper
 130 100
 95 109.8 93.3 139.9
 132 93.6 79.0 118.4
 97 72.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 10.615 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

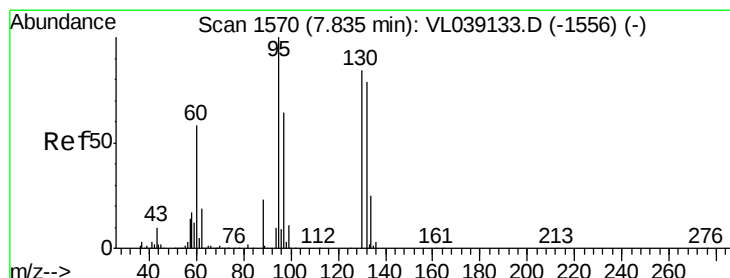
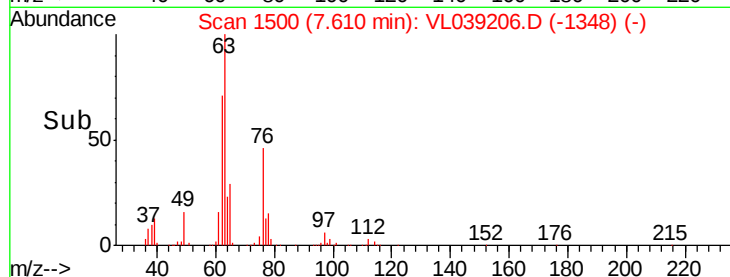
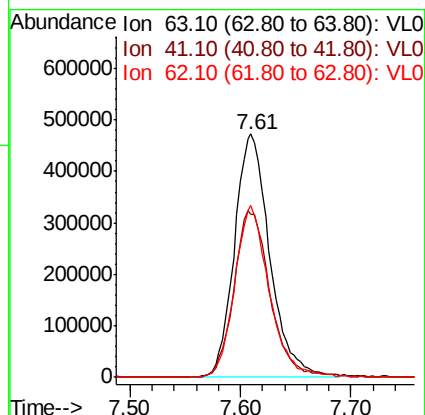
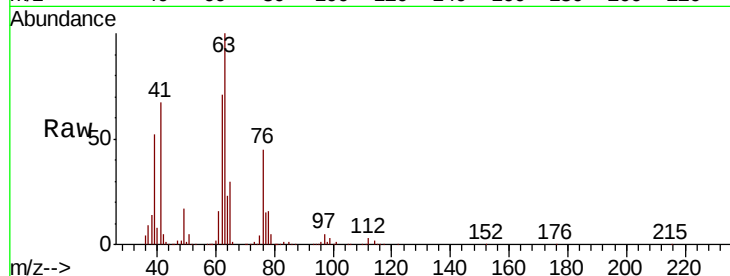
Tot Ion: 63 Resp: 1049137

Ion	Ratio	Lower	Upper
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63	100		
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41	67.1	60.8	91.2
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62	70.7	52.9	79.3
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#40

1,4-Dioxane

Concen: 12.252 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tgt Ion: 88 Resp: 398656

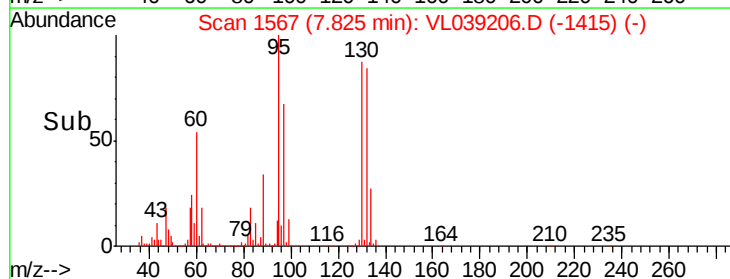
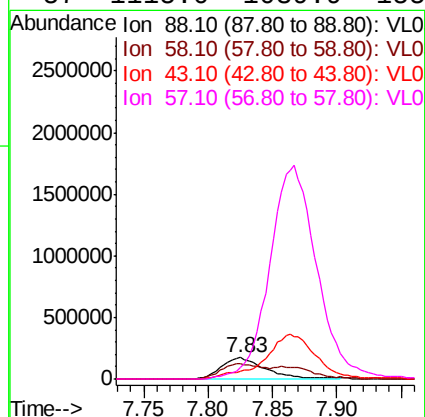
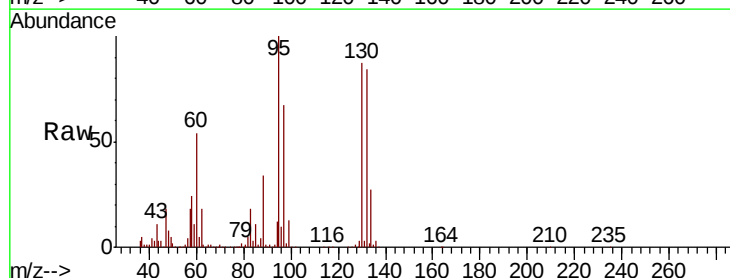
Ion	Ratio	Lower	Upper
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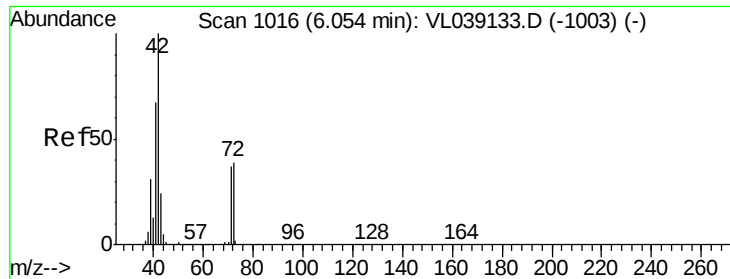
88	100		
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58	126.7	111.2	166.8
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43	254.6	234.2	351.4
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57	1115.0	1039.9	1559.9
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#41

Tetrahydrofuran

Concen: 10.764 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

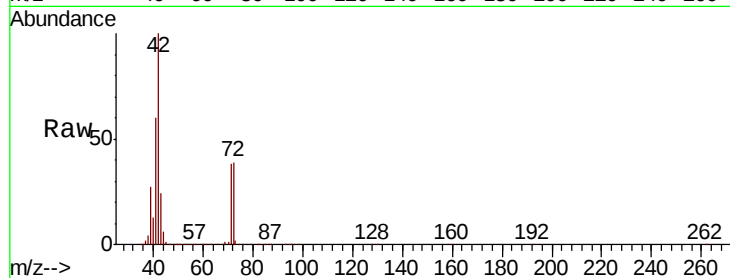
Tot Ion: 42 Resp: 1076469

Ion Ratio Lower Upper

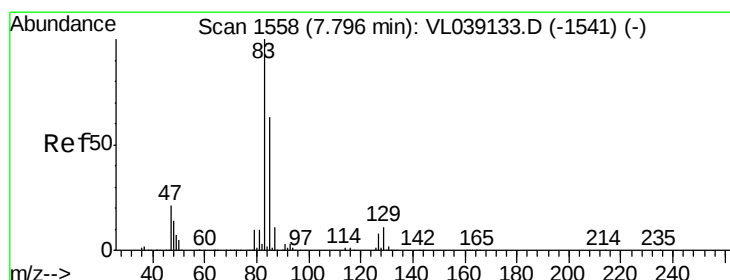
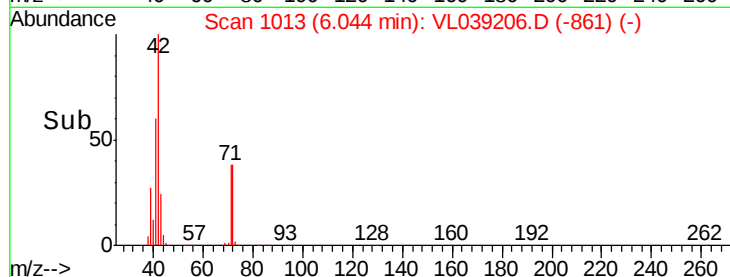
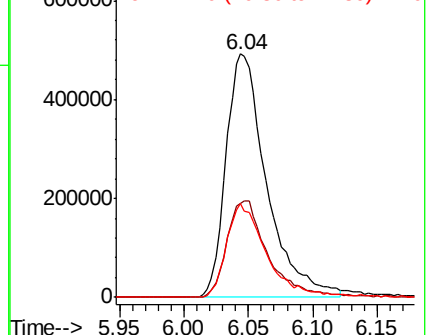
42 100

72 40.8 32.0 48.0

71 38.5 31.1 46.7



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: 9.633 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

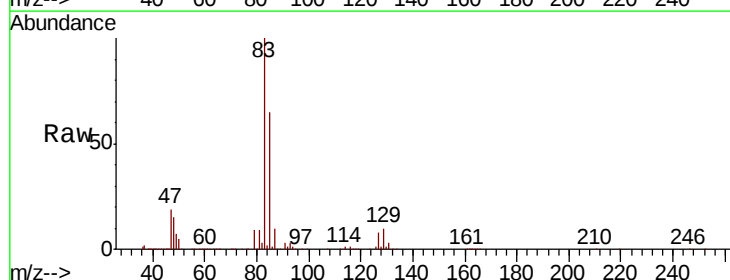
Tgt Ion: 83 Resp: 2186358

Ion Ratio Lower Upper

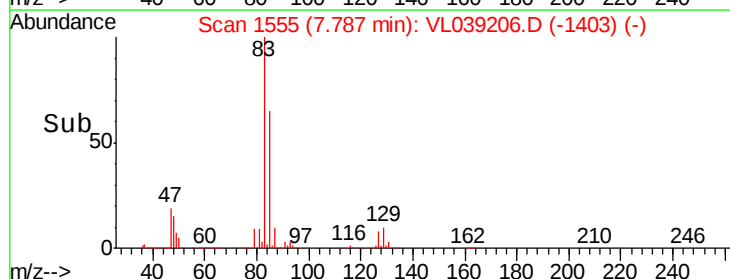
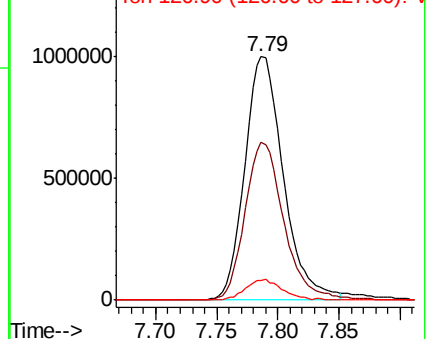
83 100

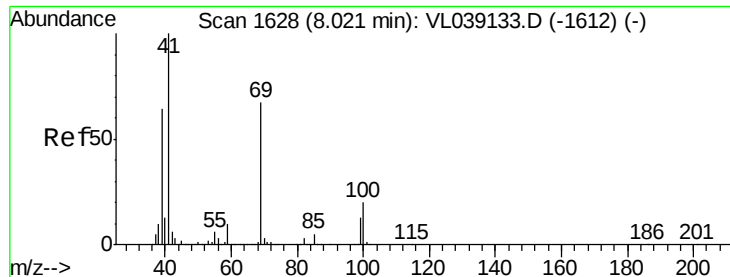
85 64.6 50.2 75.4

127 8.2 6.6 9.8



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

Methyl Methacrylate

Concen: 11.867 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

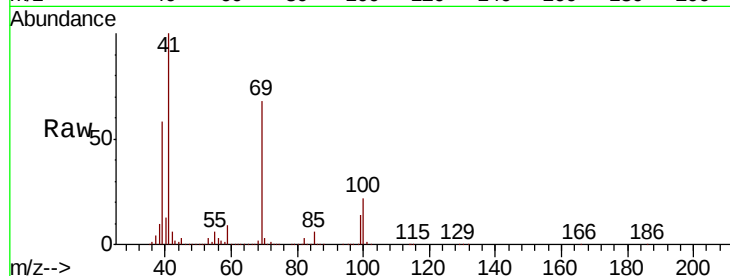
Tot Ion: 69 Resp: 1148571

Ion Ratio Lower Upper

69 100

41 145.6 121.9 182.9

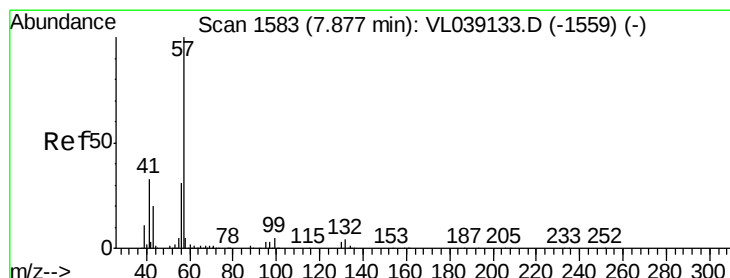
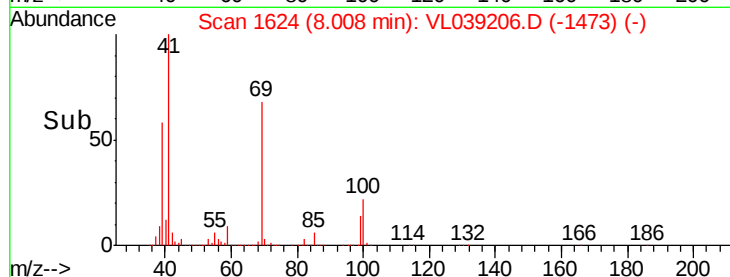
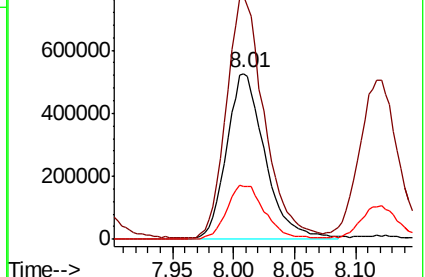
100 33.0 24.1 36.1



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: 10.209 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

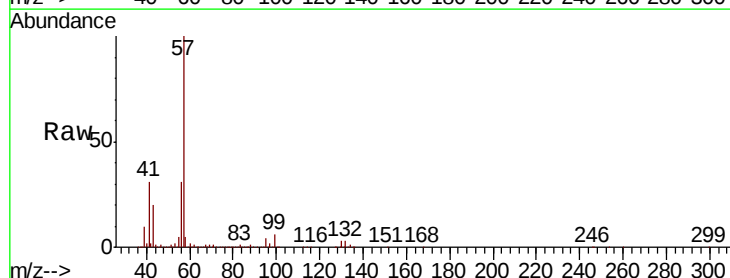
Tgt Ion: 57 Resp: 4437604

Ion Ratio Lower Upper

57 100

41 31.5 26.2 39.4

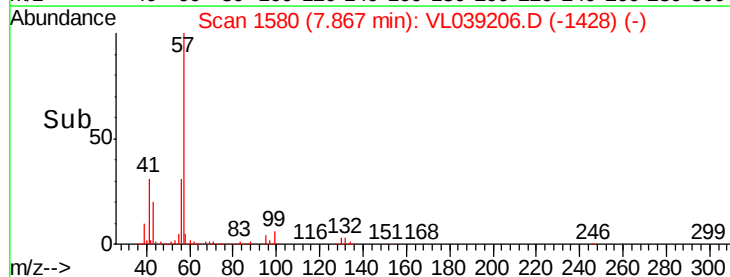
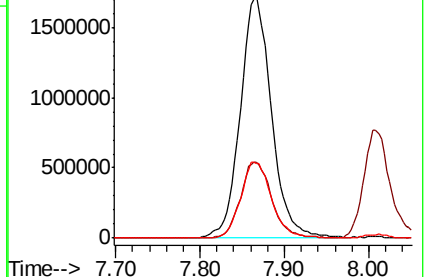
56 31.2 24.7 37.1

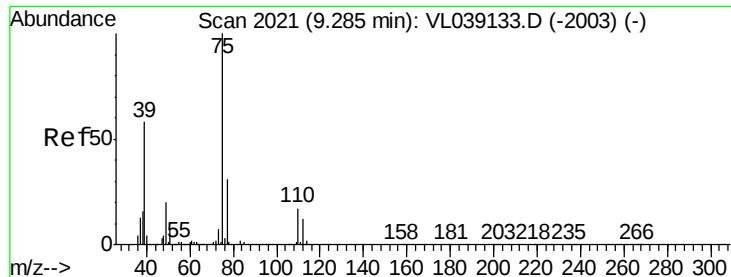


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 8.746 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL039206.D

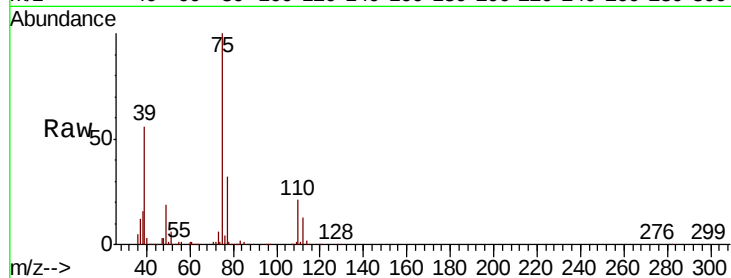
Acq: 7 Jun 2022 12:56

Tot Ion: 75 Resp: 881642

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

400000

300000

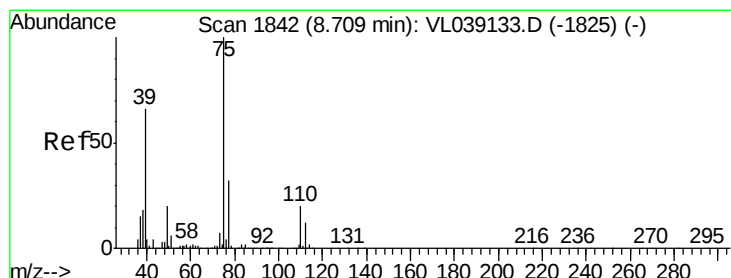
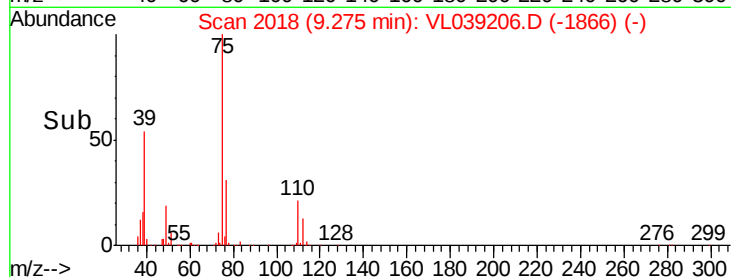
200000

100000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.431 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

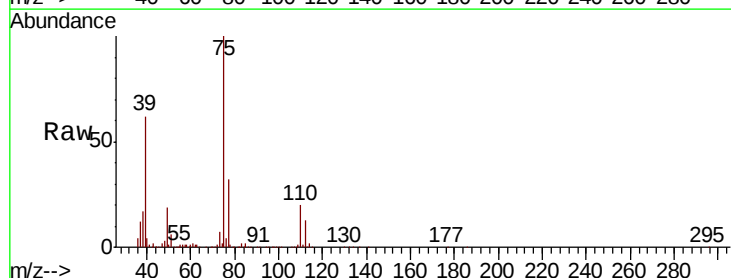
Tgt Ion: 75 Resp: 1255939

Ion Ratio Lower Upper

75 100

39 62.1 52.4 78.6

77 32.1 25.5 38.3



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

800000

600000

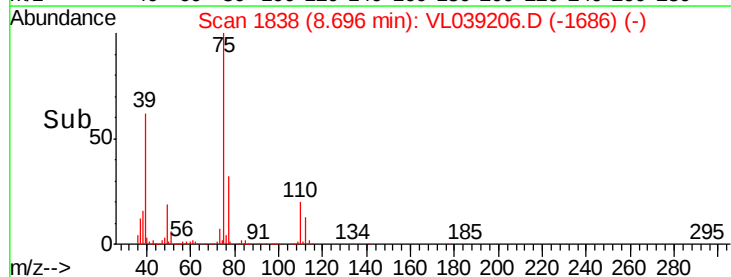
400000

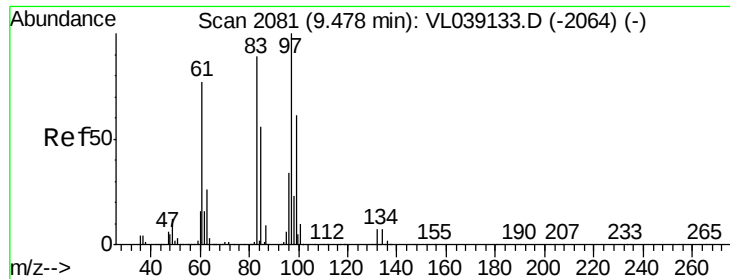
200000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.967 ppbv

RT: 9.47 min Scan# 2078

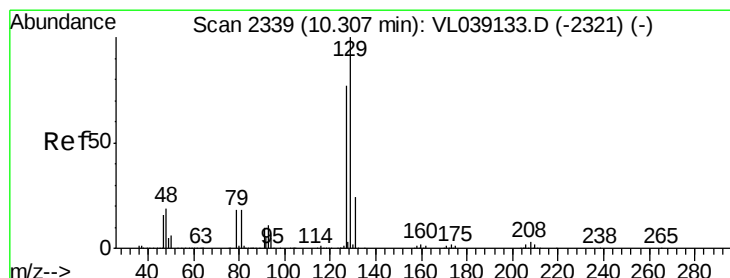
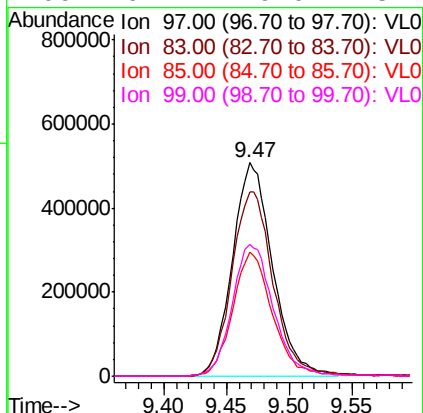
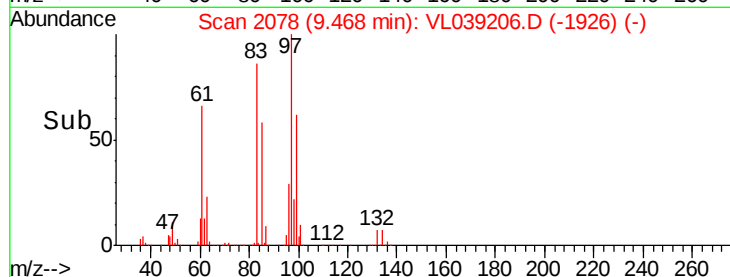
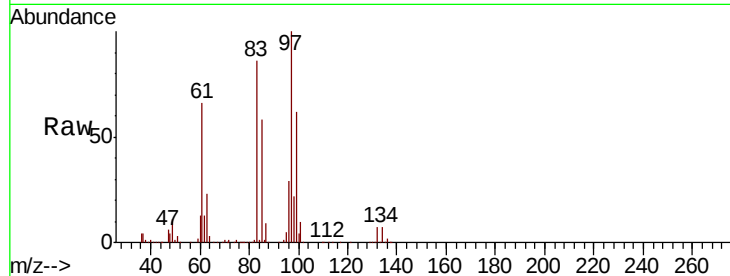
Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tot Ion: 97 Resp: 1130912

Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.6	107.4
85	57.9	44.8	67.2
99	61.7	49.0	73.4



#48

Dibromochloromethane

Concen: 10.314 ppbv

RT: 10.30 min Scan# 2336

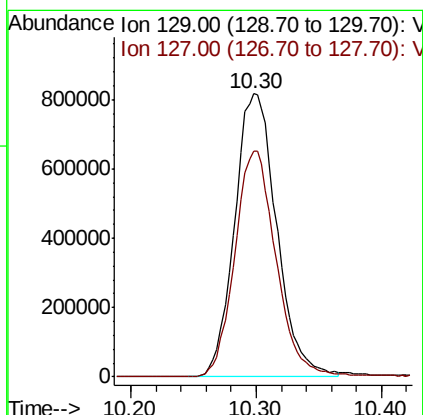
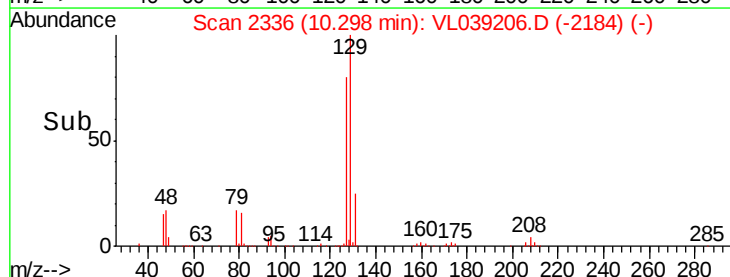
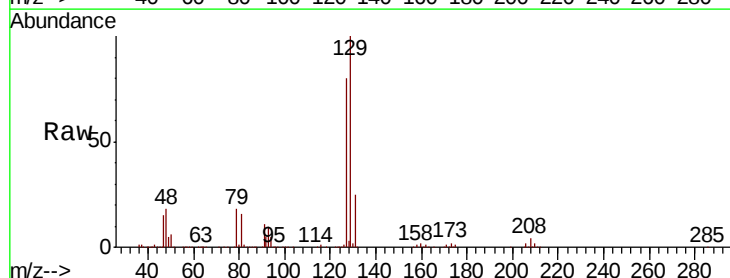
Delta R.T. -0.01 min

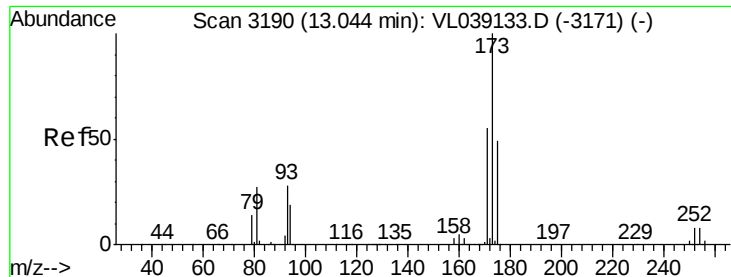
Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tgt Ion: 129 Resp: 1898965

Ion	Ratio	Lower	Upper
129	100		
127	79.7	40.0	119.9





#49

Bromoform

Concen: 10.513 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

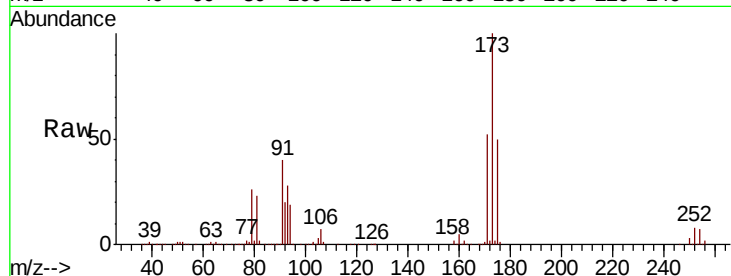
Tot Ion:173 Resp: 1613066

Ion	Ratio	Lower	Upper
173	100		
175	50.7	40.2	60.2
171	53.7	43.9	65.9

173 100

175 50.7 40.2 60.2

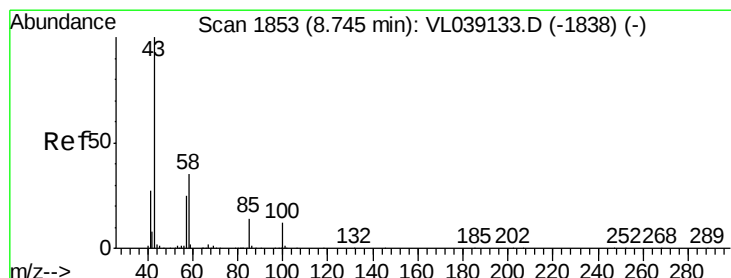
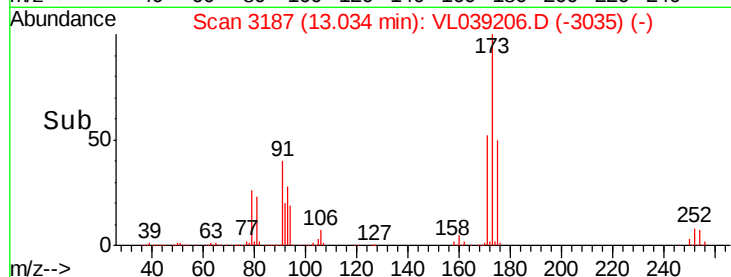
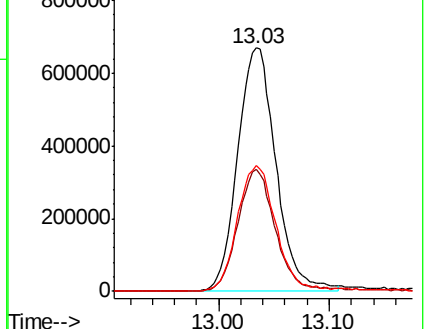
171 53.7 43.9 65.9



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: 10.967 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL039206.D

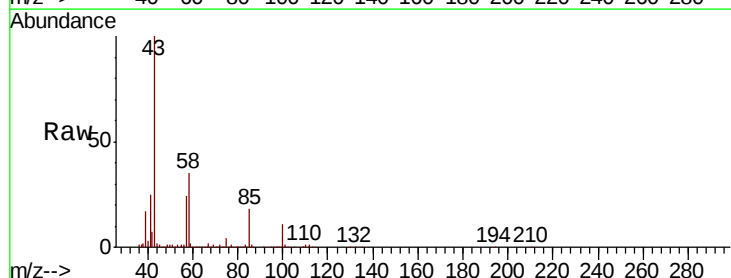
Acq: 7 Jun 2022 12:56

Tgt Ion: 43 Resp: 2729732

Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.7	43.1

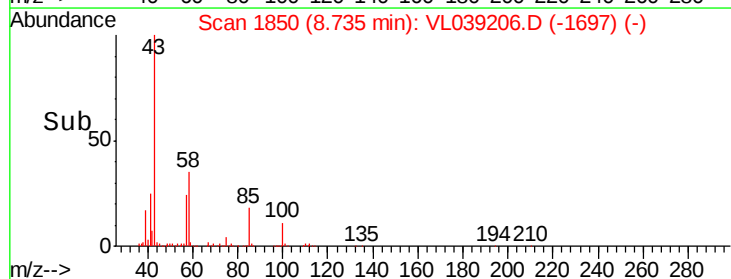
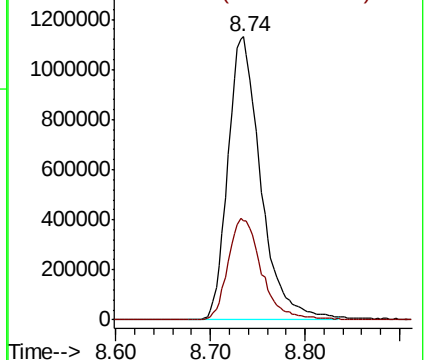
43 100

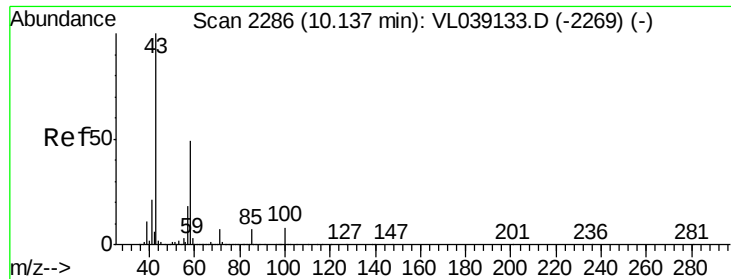
58 36.9 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

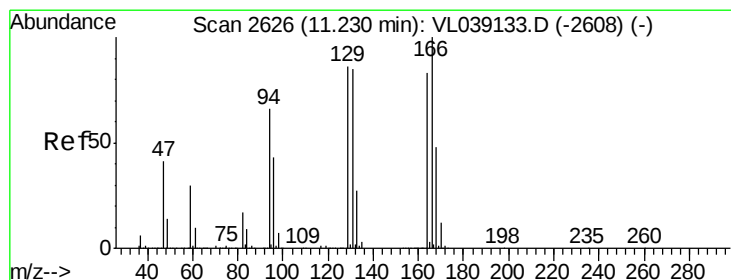
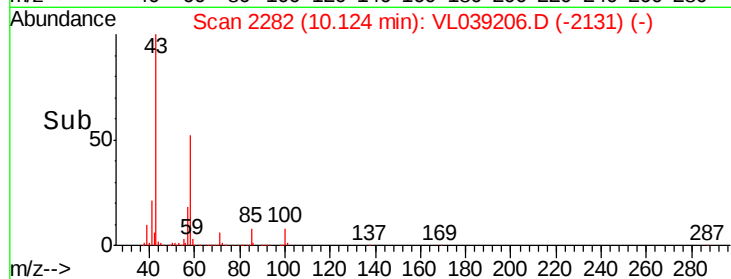
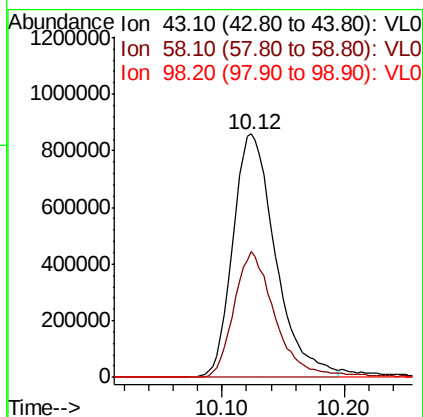
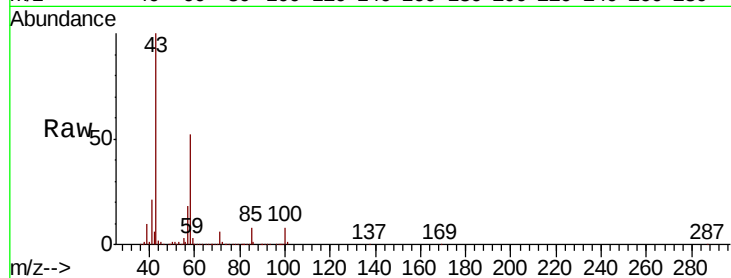




#51
2-Hexanone
Concen: 10.732 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion: 43 Resp: 2078532

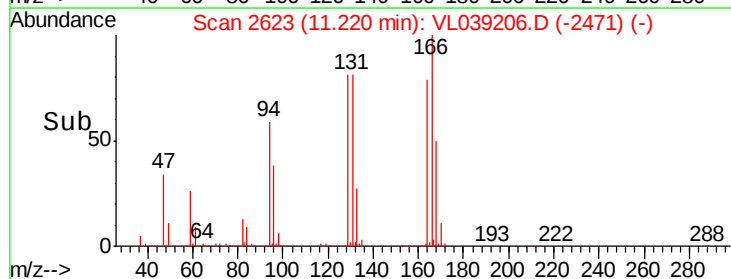
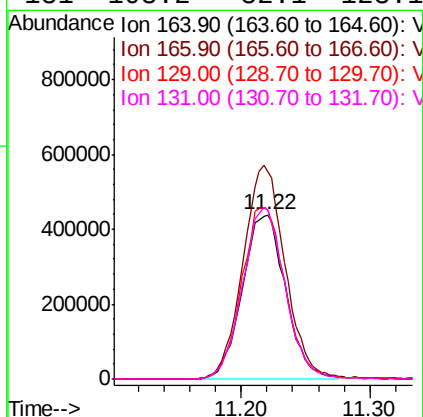
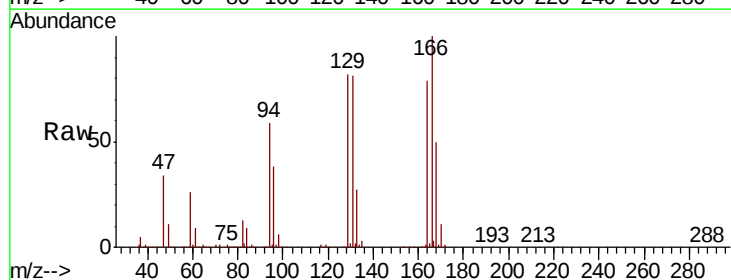
Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.0	60.0
98	0.2	0.1	0.1#

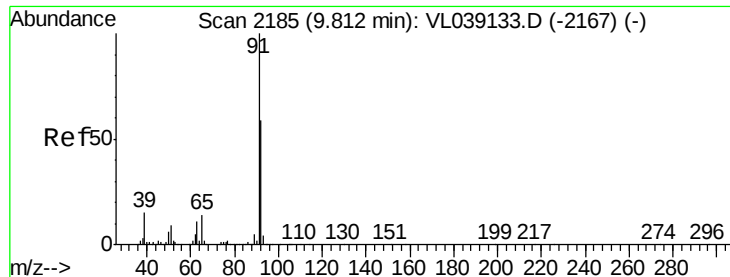


#52
Tetrachloroethene
Concen: 10.540 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion: 164 Resp: 1022597

Ion	Ratio	Lower	Upper
164	100		
166	126.8	96.3	144.5
129	103.4	82.5	123.7
131	103.2	82.1	123.1





#53

Toluene

Concen: 11.079 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL039206.D

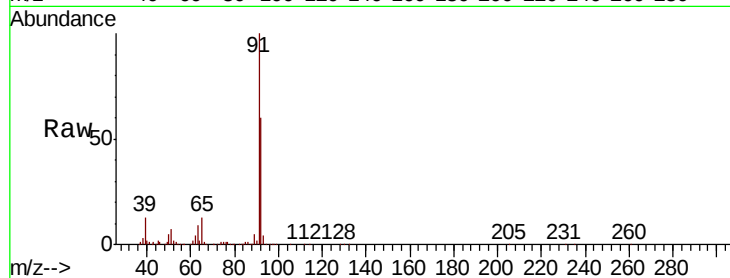
Acq: 7 Jun 2022 12:56

Tot Ion: 91 Resp: 3170081

Ion Ratio Lower Upper

91 100

92 60.7 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1500000

9.80

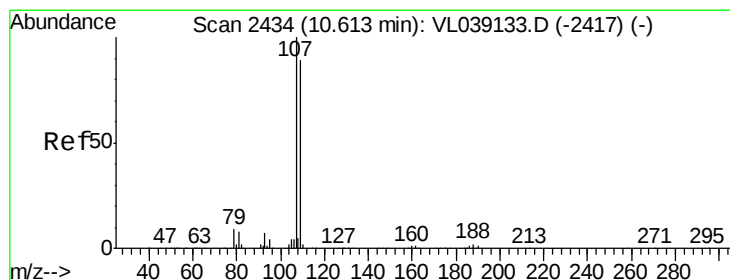
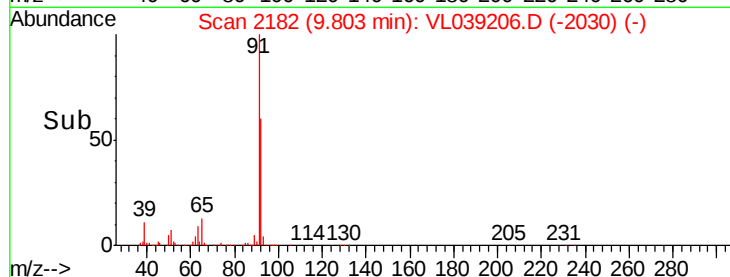
1000000

500000

0

Time-->

9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 11.476 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL039206.D

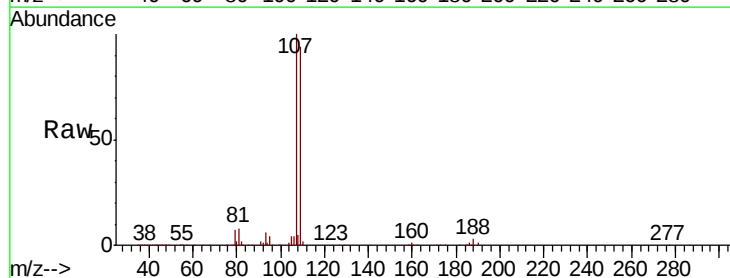
Acq: 7 Jun 2022 12:56

Tgt Ion: 107 Resp: 1590080

Ion Ratio Lower Upper

107 100

109 93.9 71.4 107.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

10.60

600000

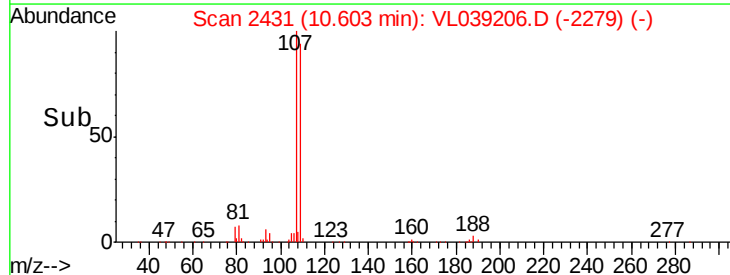
400000

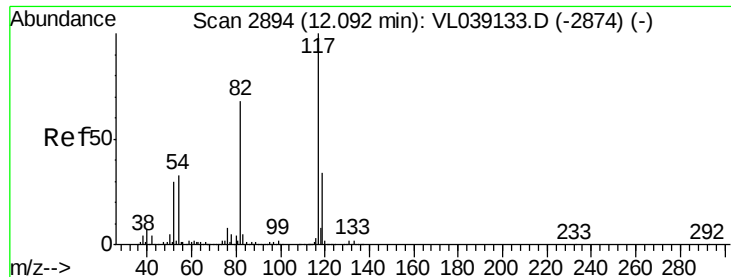
200000

0

Time-->

10.50 10.60 10.70

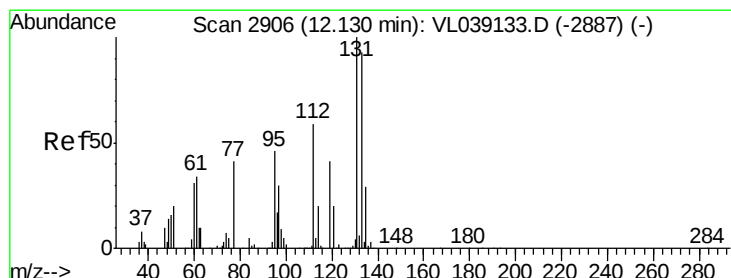
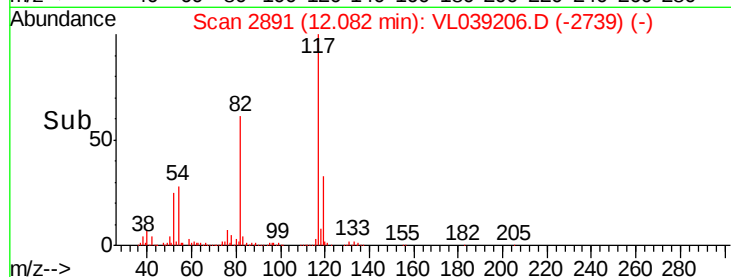
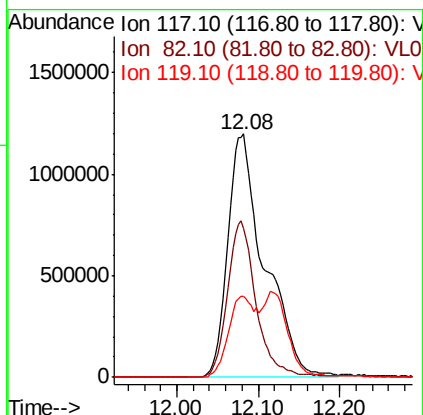
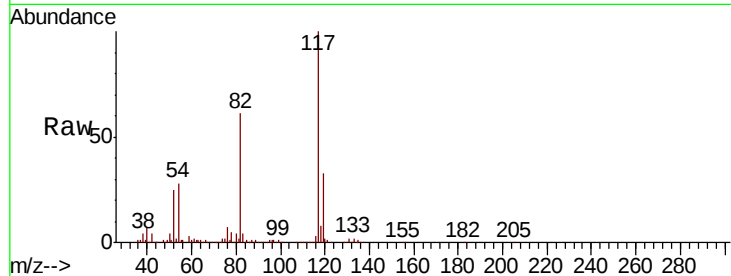




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion:117 Resp: 3799566

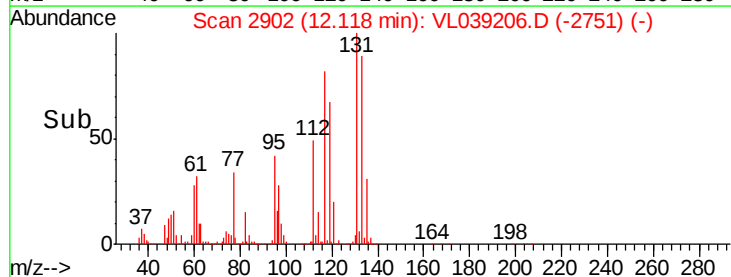
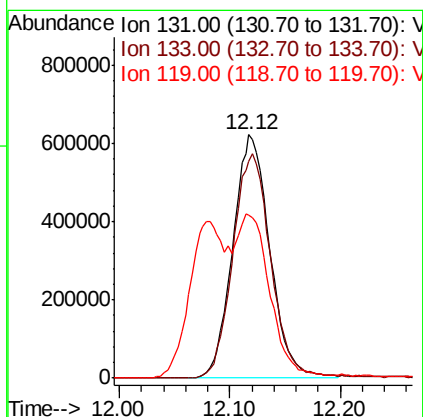
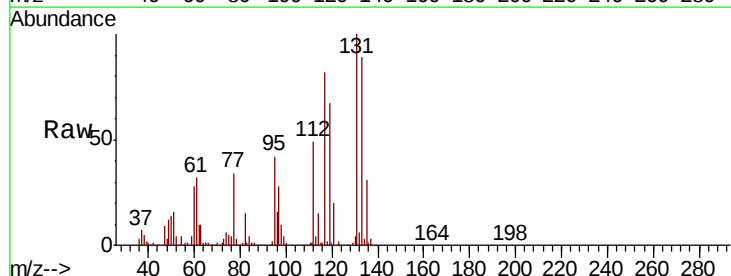
Ion	Ratio	Lower	Upper
117	100		
82	50.8	55.1	82.7#
119	23.5	24.7	37.1#

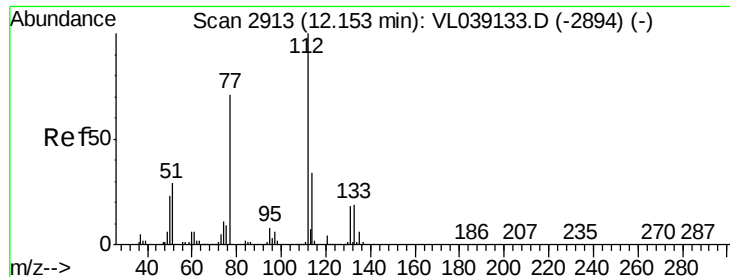


#56
1,1,1,2-Tetrachloroethane
Concen: 8.029 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion:131 Resp: 1443590

Ion	Ratio	Lower	Upper
131	100		
133	95.5	78.6	117.8
119	71.8	51.7	77.5

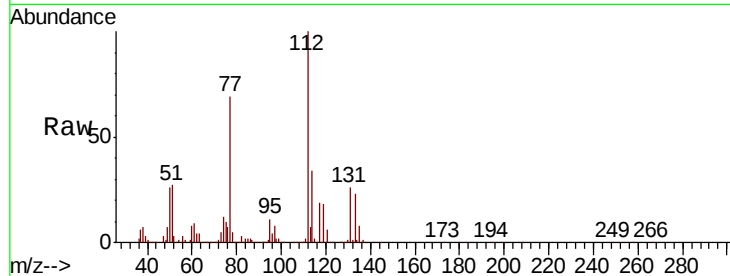




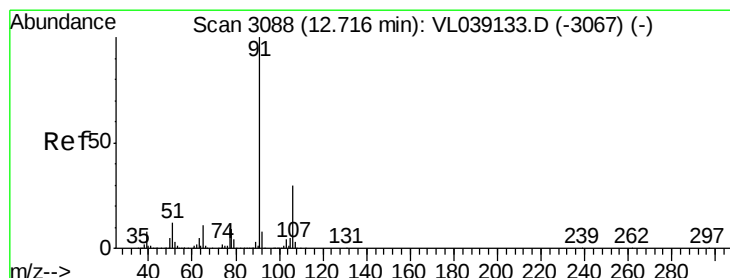
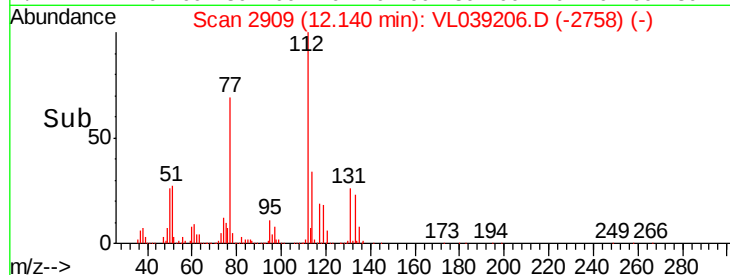
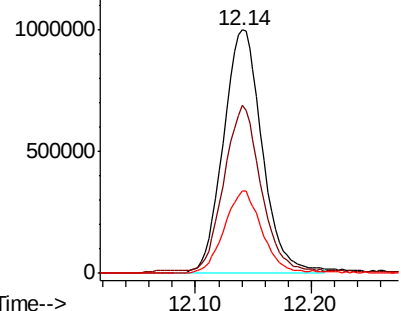
#57
Chlorobenzene
Concen: 8.119 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion: 112 Resp: 2321007

Ion	Ratio	Lower	Upper
112	100		
77	67.9	56.5	84.7
114	33.8	30.3	37.1



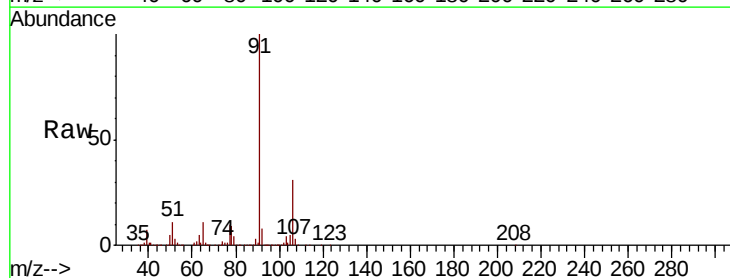
Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 114.10 (113.80 to 114.80): V



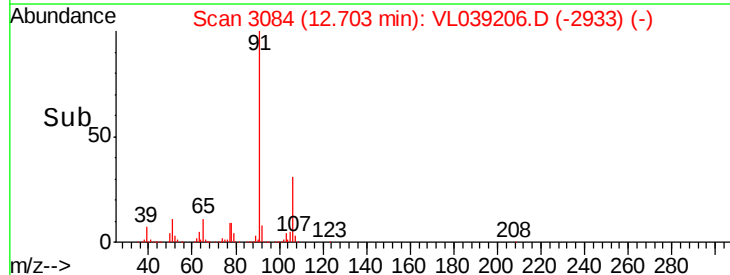
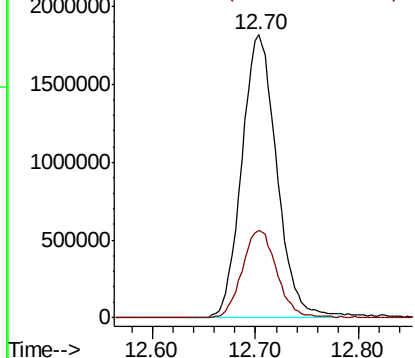
#58
Ethyl Benzene
Concen: 8.205 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

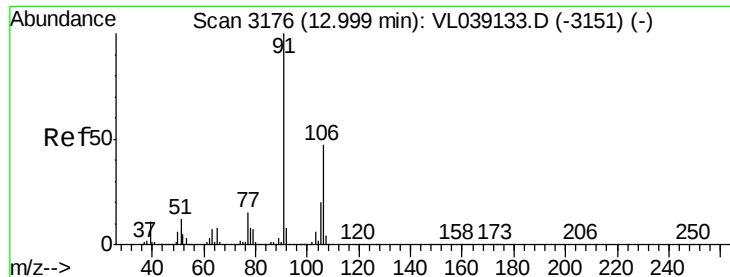
Tgt Ion: 91 Resp: 4294469

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4



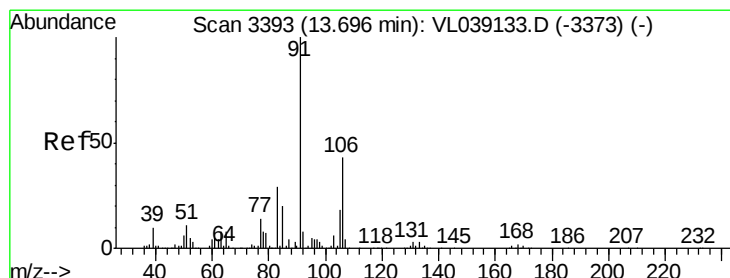
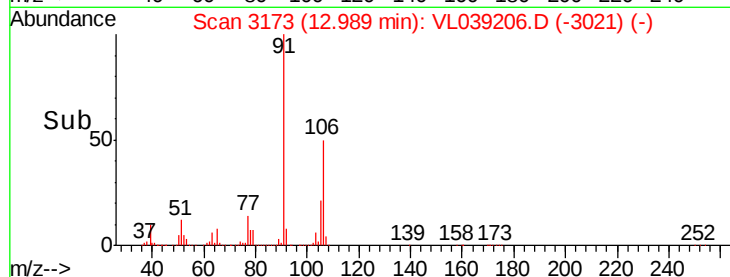
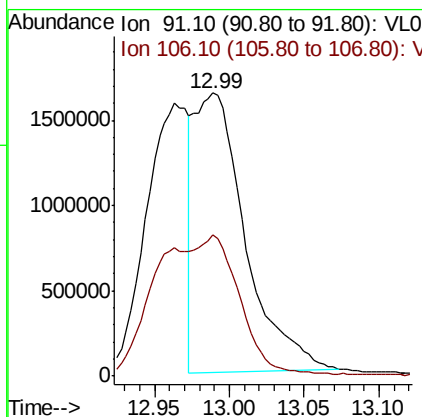
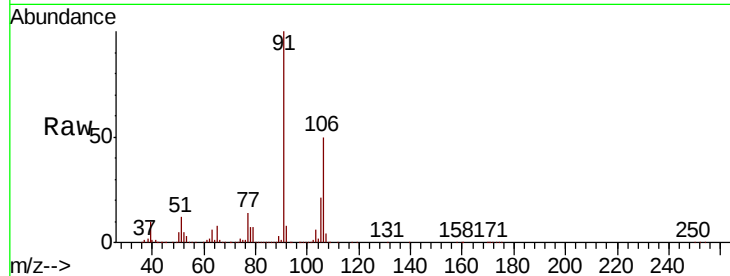
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 106.10 (105.80 to 106.80): V





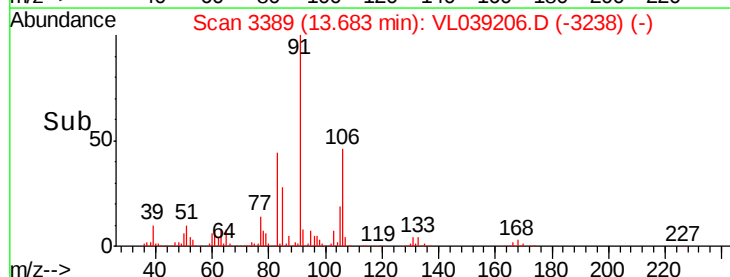
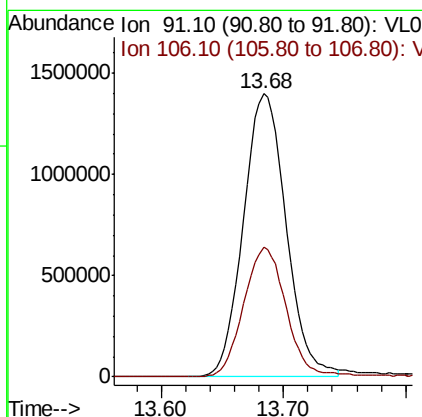
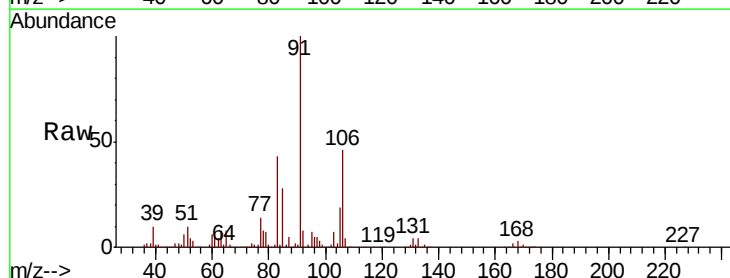
#59
m/p-Xylene
Concen: 8.368 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

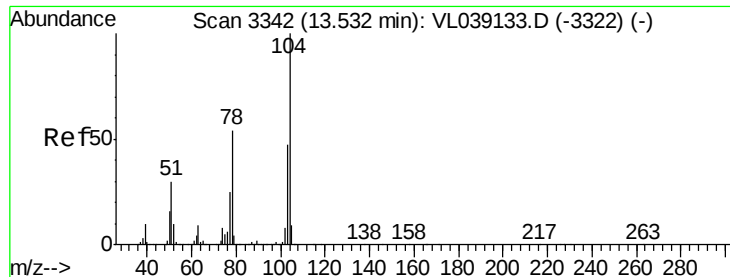
Tot Ion: 91 Resp: 3856649
Ion Ratio Lower Upper
91 100
106 84.8 34.3 51.5#



#60
o-Xylene
Concen: 7.812 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion: 91 Resp: 3383130
Ion Ratio Lower Upper
91 100
106 46.3 22.3 66.9

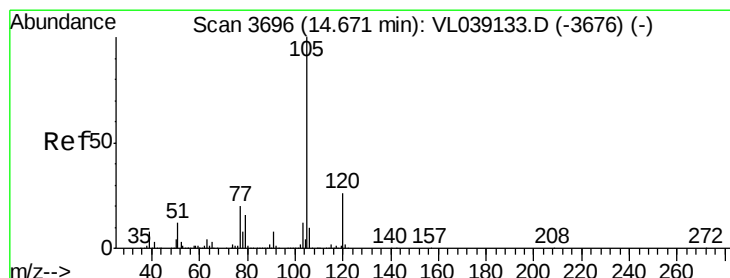
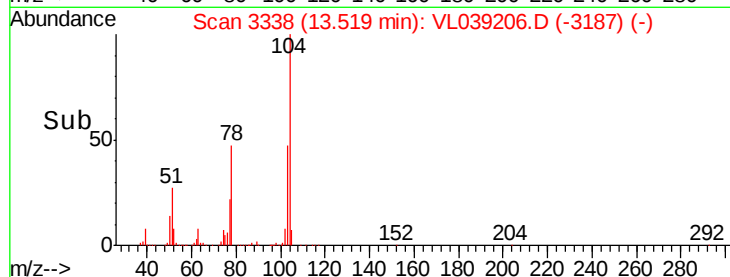
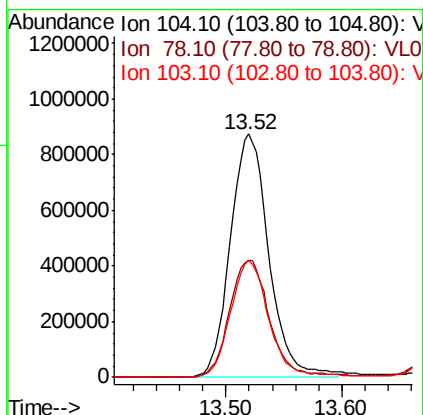
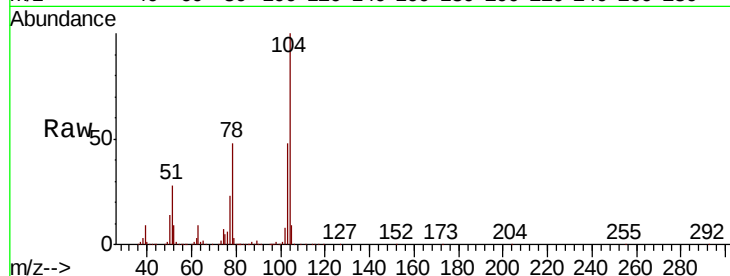




#61
Stvrene
Concen: 8.687 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion:104 Resp: 2014573

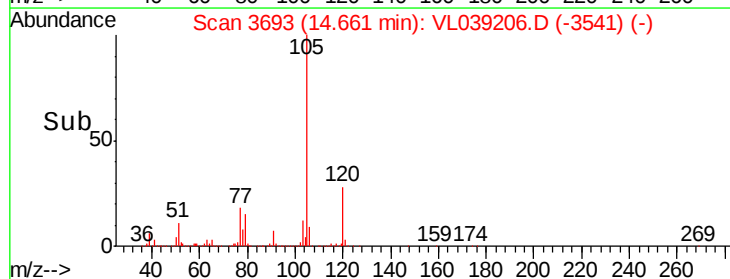
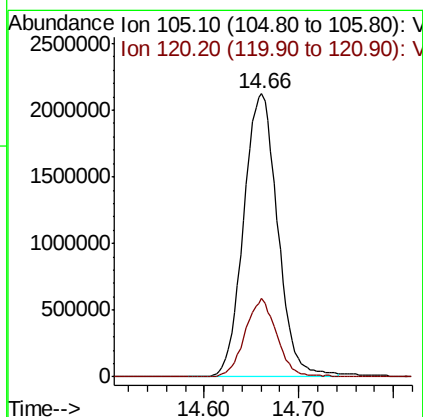
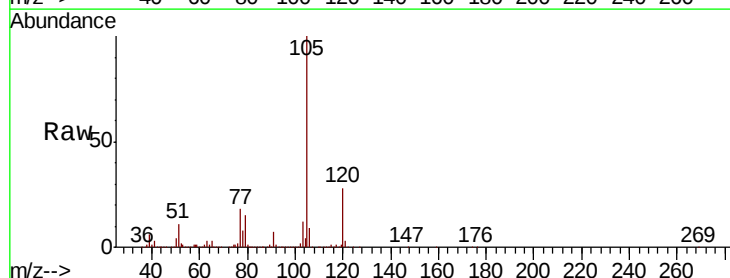
Ion	Ratio	Lower	Upper
104	100		
78	50.4	45.7	68.5
103	48.3	39.6	59.4

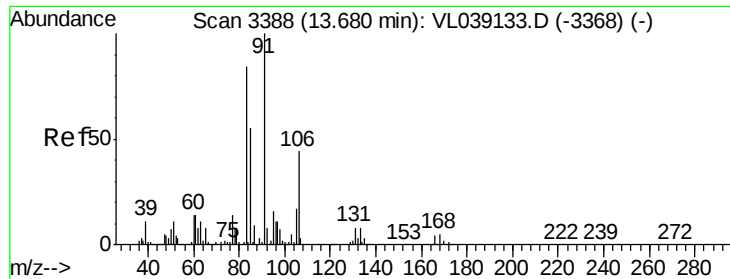


#62
Isopropylbenzene
Concen: 8.240 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion:105 Resp: 5303766

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.3	30.5

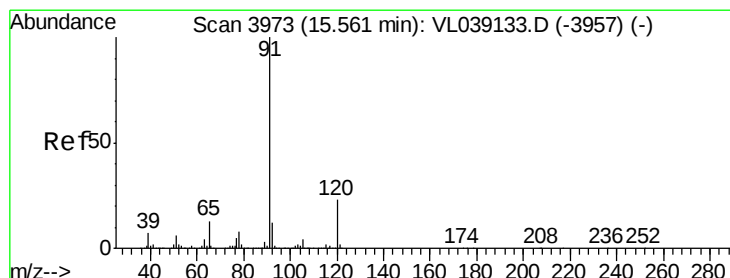
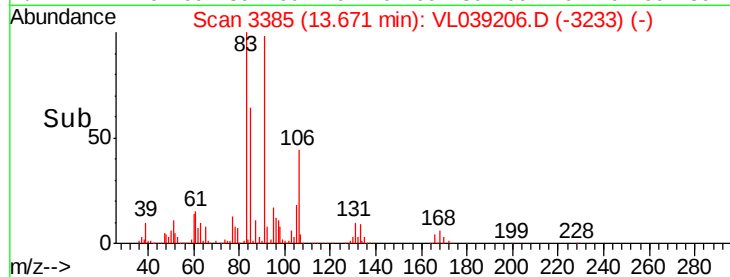
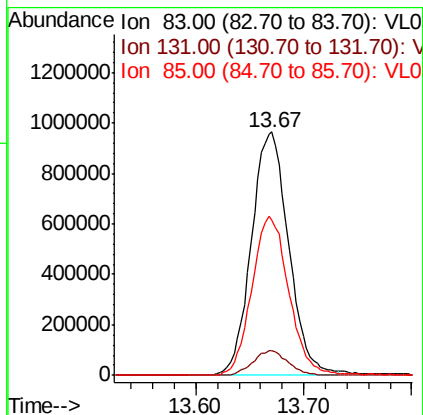
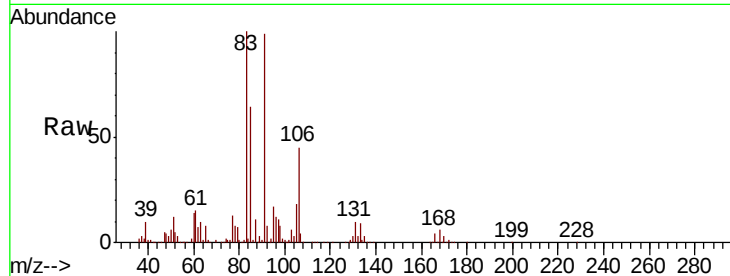




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.497 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tot Ion: 83 Resp: 2308667

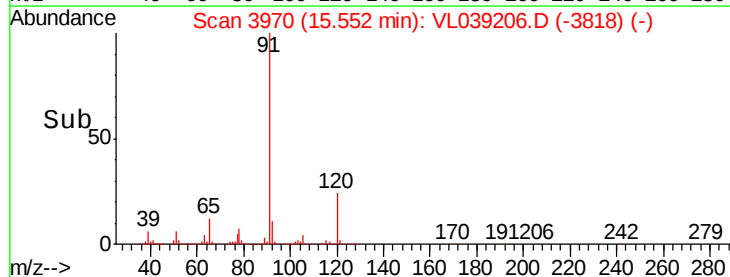
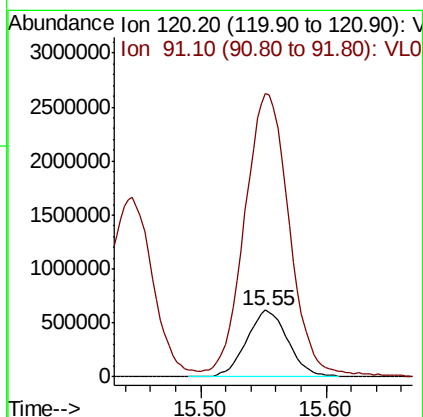
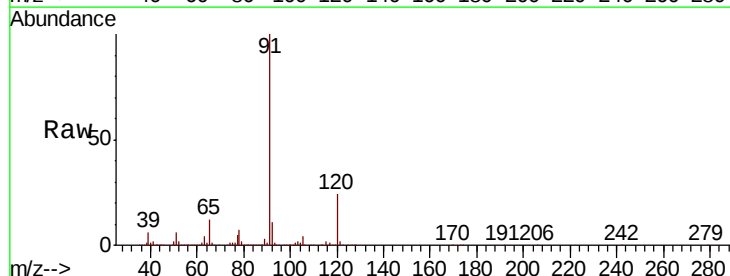
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	65.5	33.0	99.0

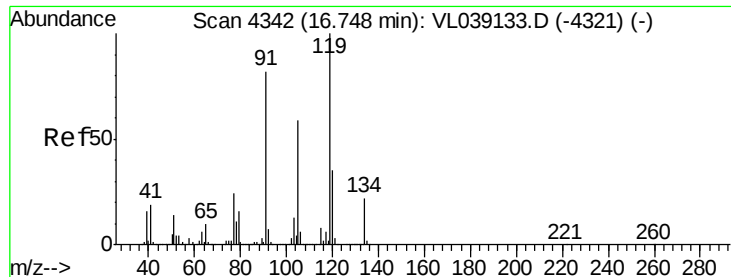


#64
 n-propylbenzene
 Concen: 8.947 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tgt Ion: 120 Resp: 1415707

Ion	Ratio	Lower	Upper
120	100		
91	460.9	388.4	582.6

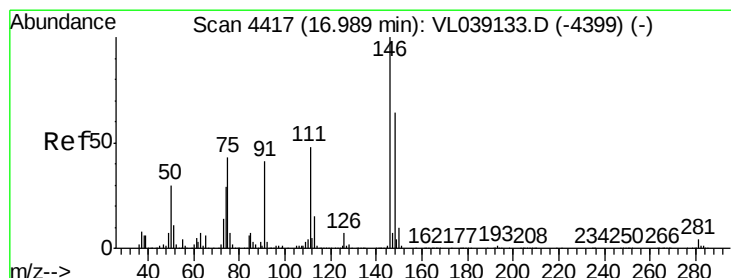
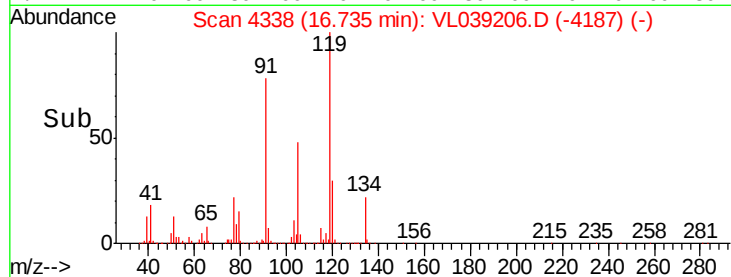
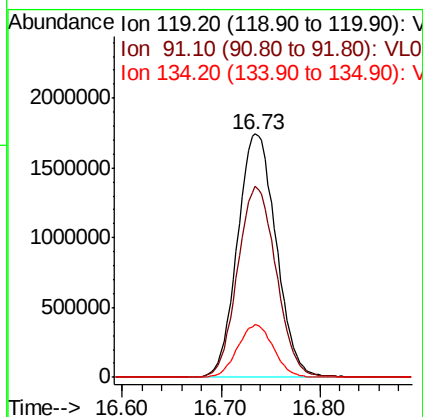
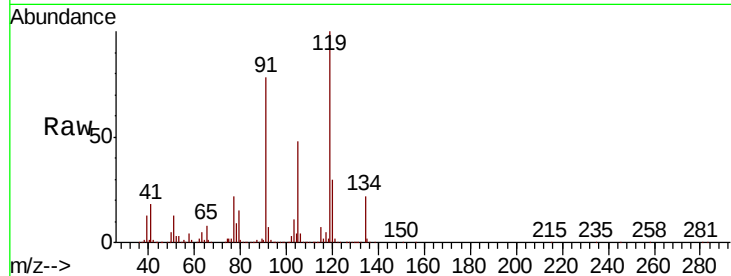




#65
tert-Butylbenzene
Concen: 8.024 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion: 119 Resp: 4723014

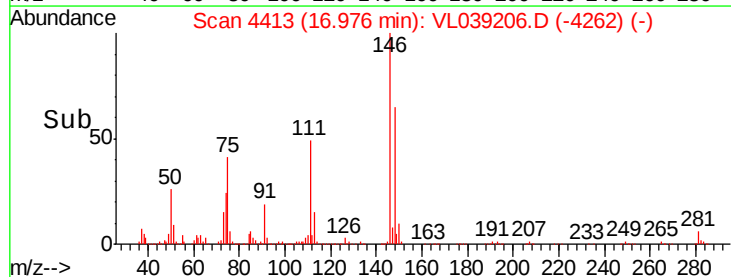
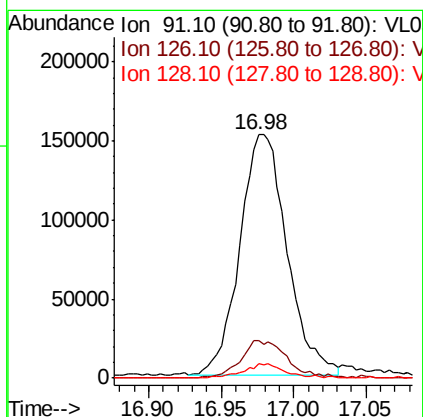
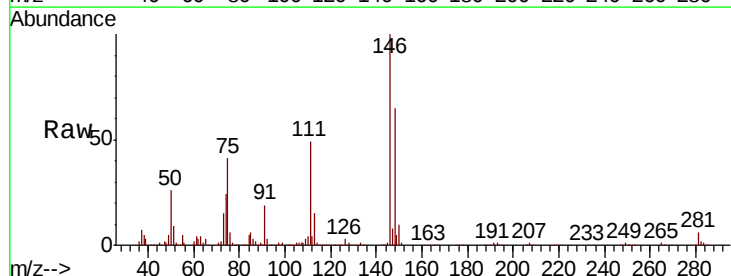
Ion	Ratio	Lower	Upper
119	100		
91	78.6	67.1	100.7
134	20.1	15.8	23.8

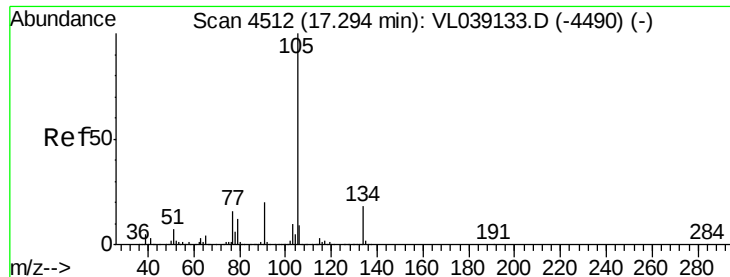


#66
Benzyl Chloride
Concen: 4.493 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tgt Ion: 91 Resp: 343863

Ion	Ratio	Lower	Upper
91	100		
126	15.5	13.4	20.0
128	5.5	4.1	6.1





#67

sec-Butylbenzene

Concen: 8.353 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.01 min

Lab File: VL039206.D

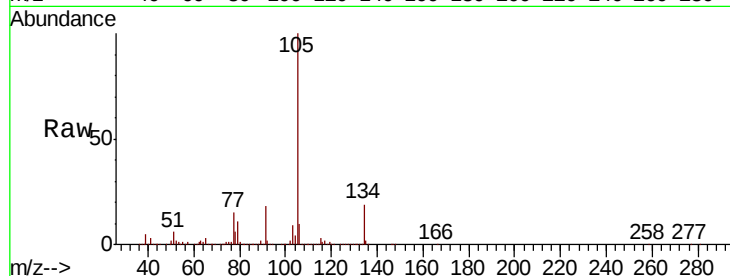
Acq: 7 Jun 2022 12:56

Tot Ion: 105 Resp: 6708122

Ion Ratio Lower Upper

105 100

134 18.3 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

3000000 Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

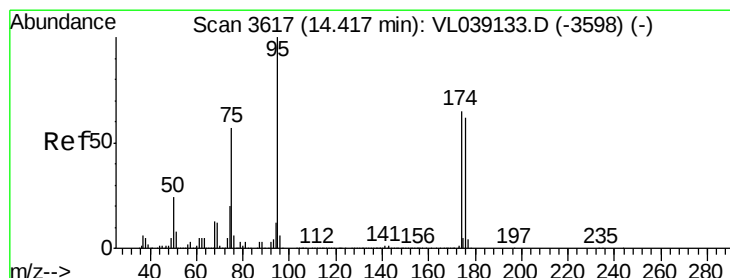
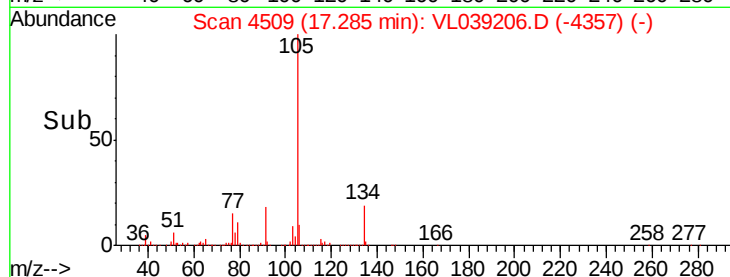
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.369 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

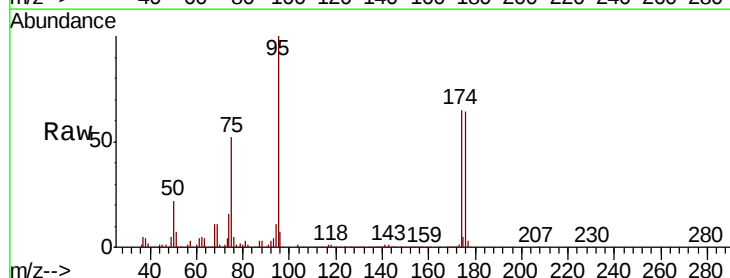
Tgt Ion: 95 Resp: 2314731

Ion Ratio Lower Upper

95 100

174 67.9 53.8 80.8

175 5.1 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

1200000 Ion 174.00 (173.70 to 174.70): V

1000000 Ion 175.00 (174.70 to 175.70): V

800000

600000

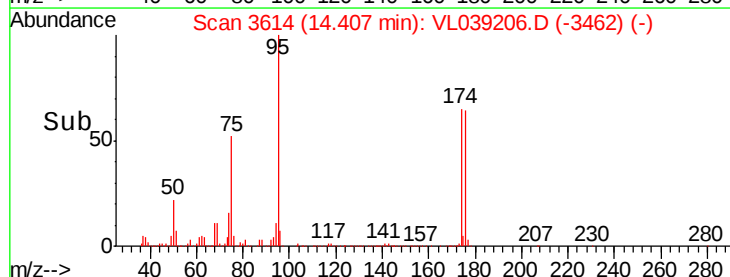
400000

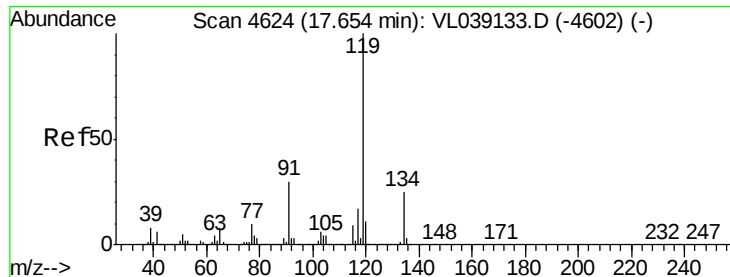
200000

0

14.30 14.40 14.50

Time-->





#69

p-Isopropyltoluene

Concen: 8.344 ppbv

RT: 17.64 min Scan# 4621

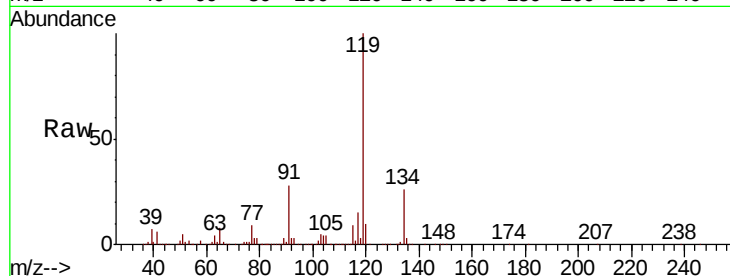
Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tot Ion: 119 Resp: 5653861

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.4	30.6
91	28.0	24.2	36.4

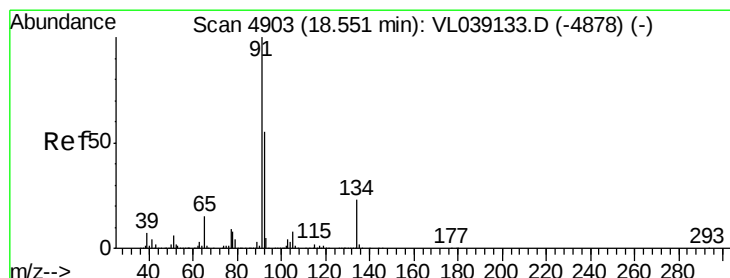
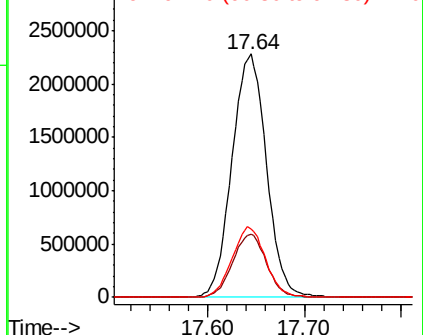
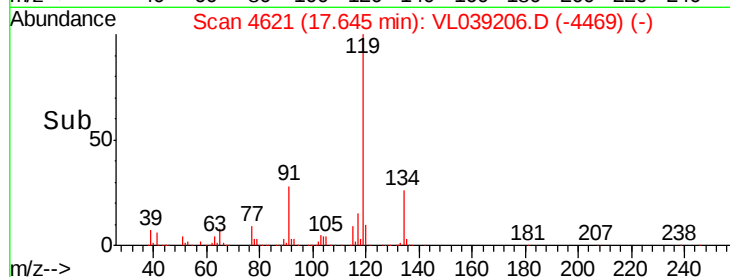


Abundance

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): V



#70

n-Butylbenzene

Concen: 8.370 ppbv

RT: 18.54 min Scan# 4899

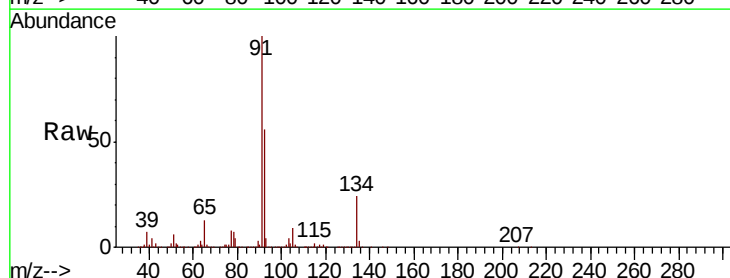
Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tgt Ion: 91 Resp: 5821142

Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.6	65.4
134	22.9	17.7	26.5

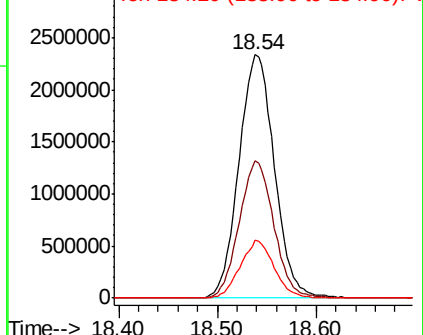
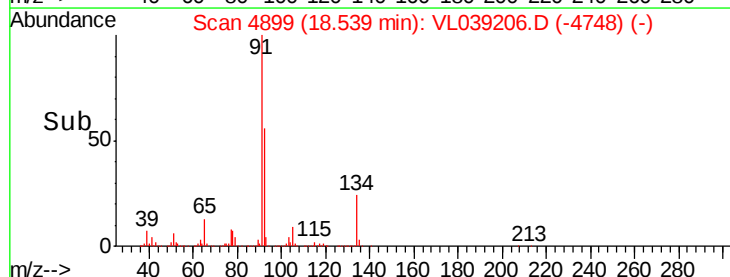


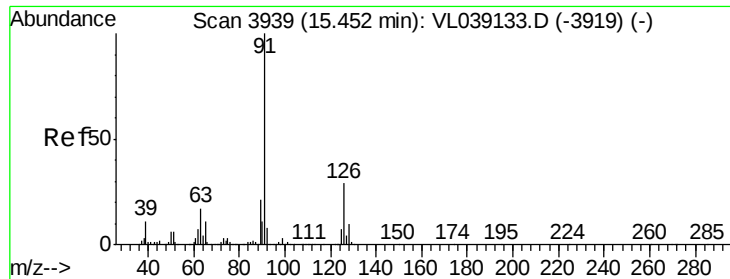
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

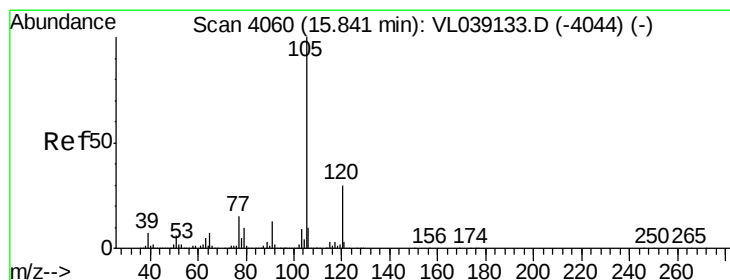
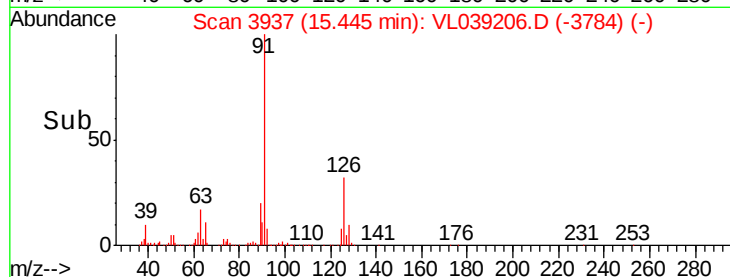
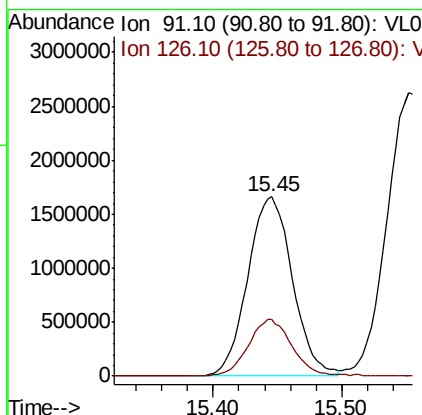
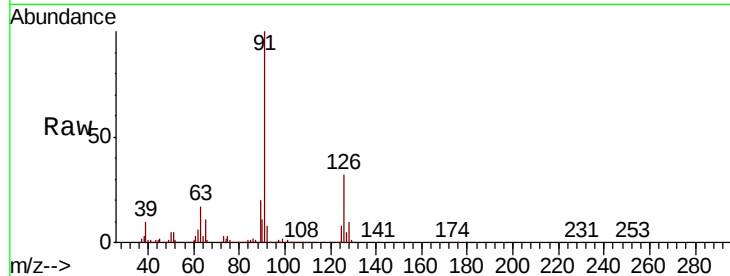
Ion 134.20 (133.90 to 134.90): V





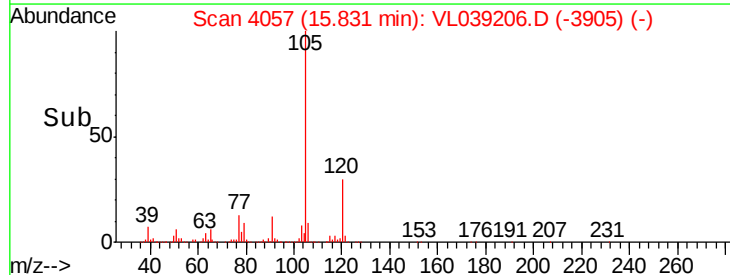
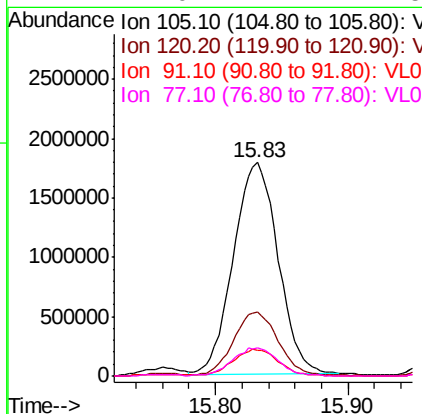
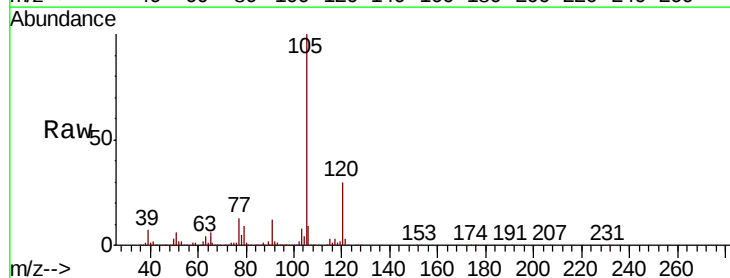
#71
 2-Chlorotoluene
 Concen: 8.180 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

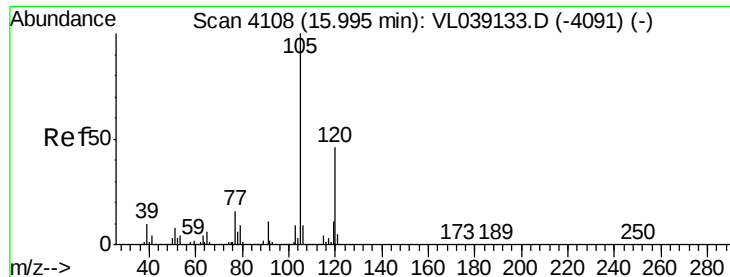
Tot Ion: 91 Resp: 4015135
 Ion Ratio Lower Upper
 91 100
 126 31.5 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 8.256 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tgt Ion: 105 Resp: 4190349
 Ion Ratio Lower Upper
 105 100
 120 30.5 23.9 35.9
 91 12.4 10.6 16.0
 77 14.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.250 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.01 min

Lab File: VL039206.D

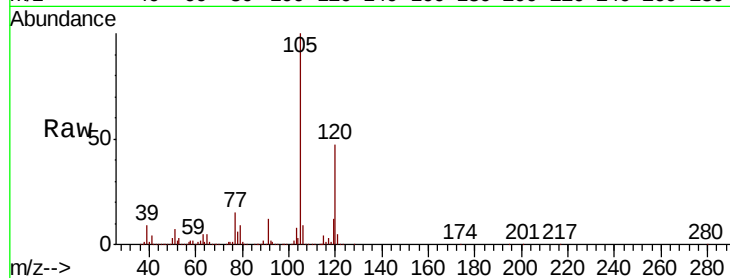
Acq: 7 Jun 2022 12:56

Tot Ion:105 Resp: 3776709

Ion Ratio Lower Upper

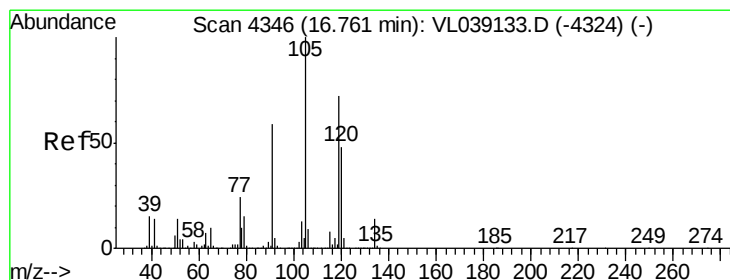
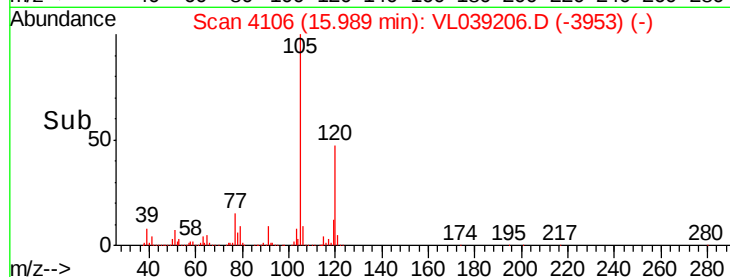
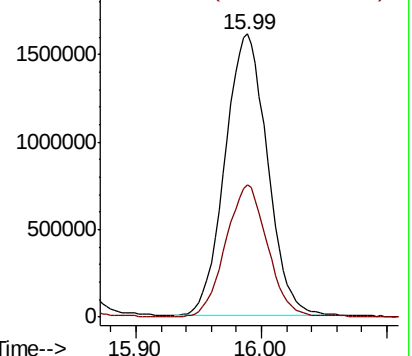
105 100

120 46.7 36.7 55.1



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: 7.959 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

Tgt Ion:105 Resp: 4066032

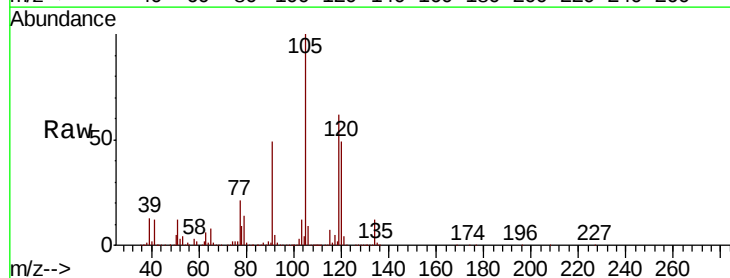
Ion Ratio Lower Upper

105 100

120 48.7 38.1 57.1

91 48.3 47.4 71.0

77 21.3 19.5 29.3

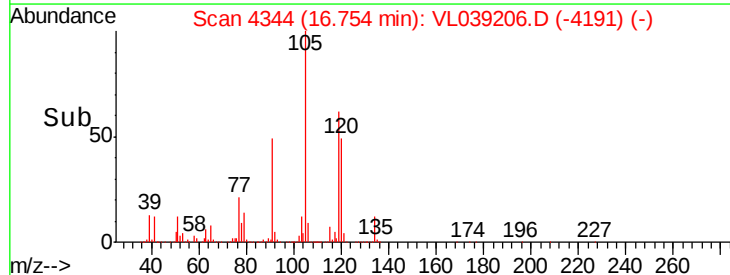
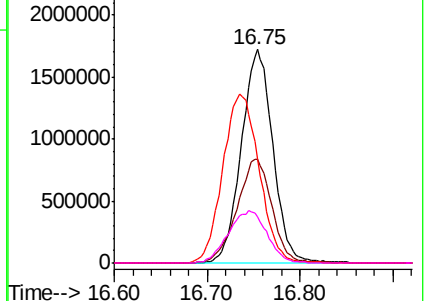


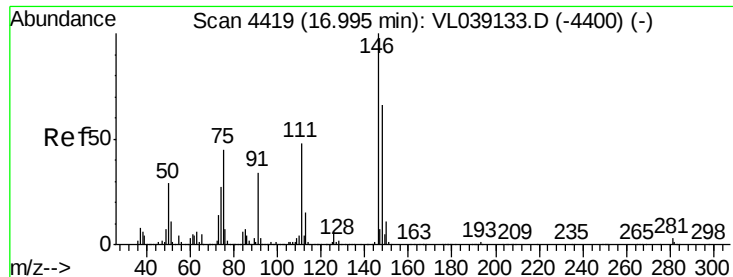
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.355 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

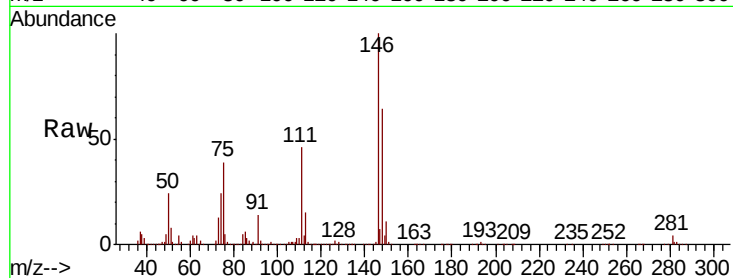
Tot Ion:146 Resp: 2416023

Ion Ratio Lower Upper

146 100

111 46.2 23.8 71.4

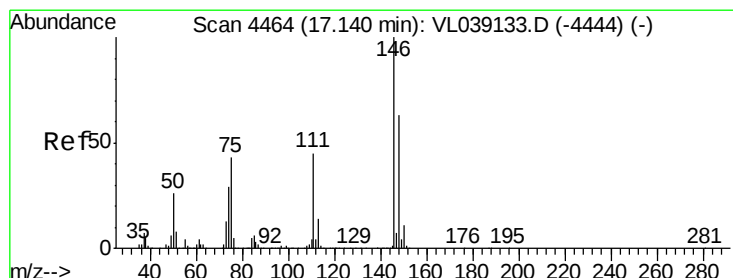
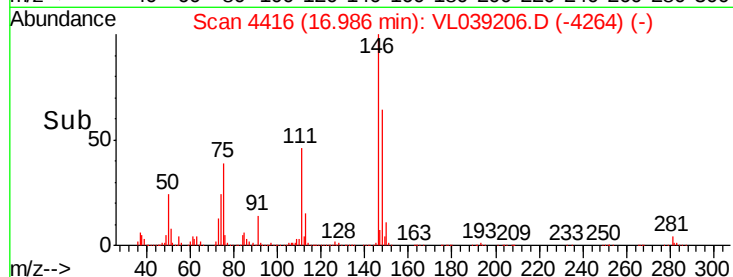
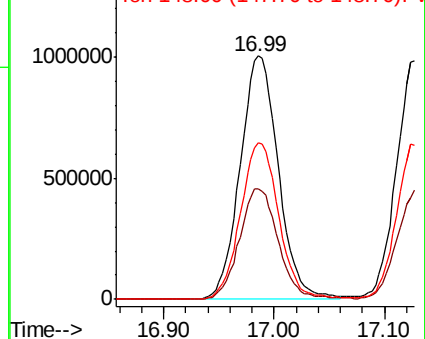
148 64.8 32.4 97.0



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: 8.010 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.01 min

Lab File: VL039206.D

Acq: 7 Jun 2022 12:56

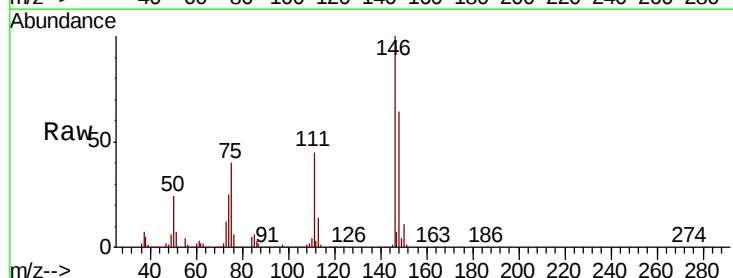
Tgt Ion:146 Resp: 2310909

Ion Ratio Lower Upper

146 100

111 46.1 23.6 71.0

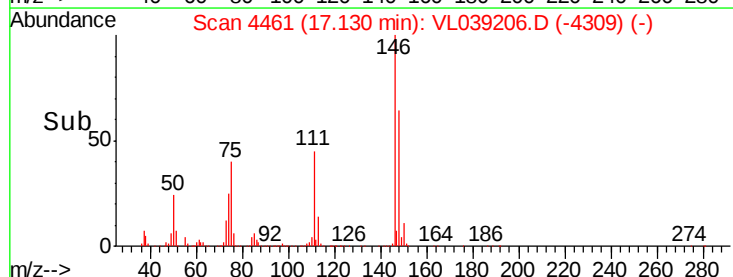
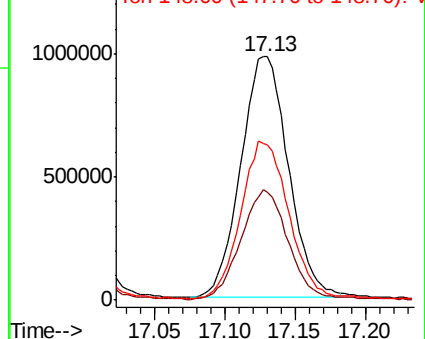
148 67.8 33.7 101.0

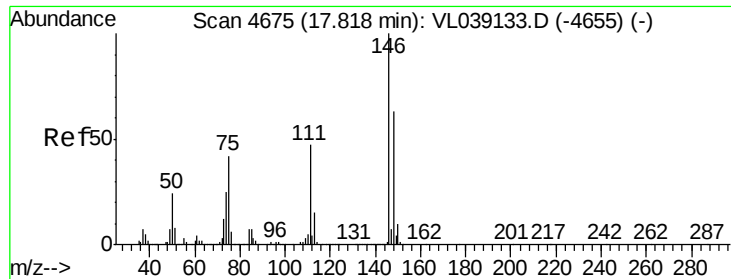


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

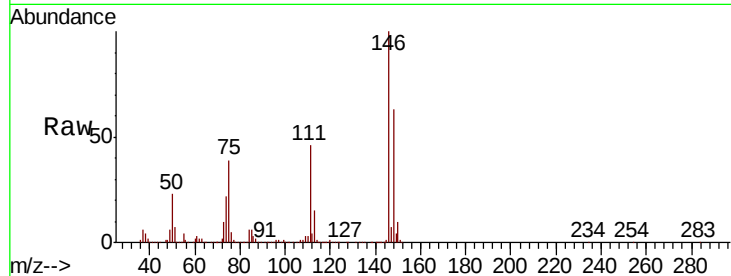
Ion 148.00 (147.70 to 148.70): V



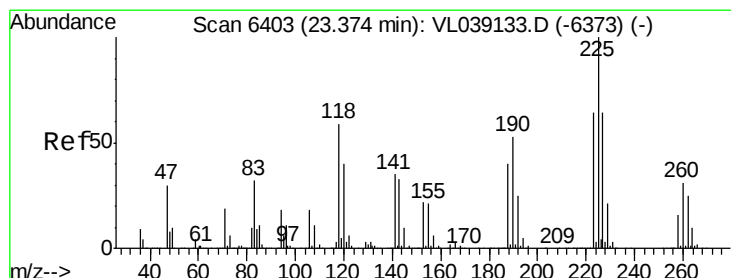
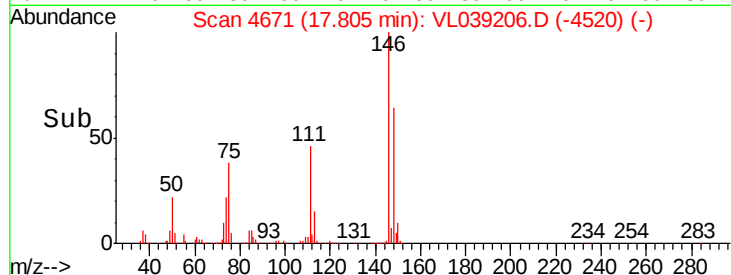
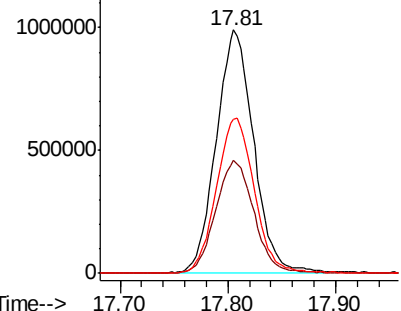


#77
 1,2-Dichlorobenzene
 Concen: 8.129 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tot Ion:146 Resp: 2369210
 Ion Ratio Lower Upper
 146 100
 111 47.9 24.4 73.4
 148 65.0 32.1 96.5

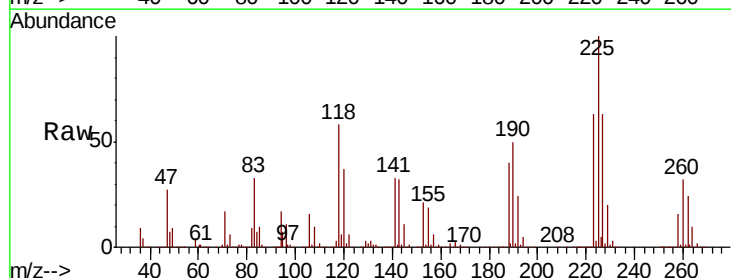


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

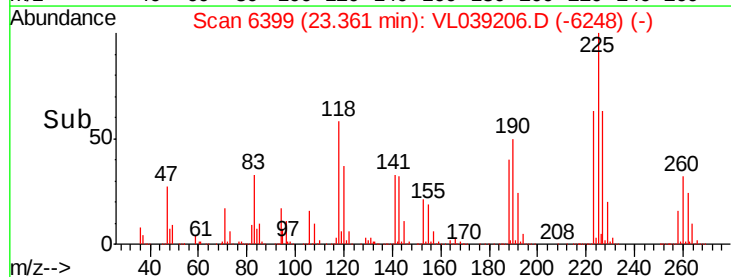
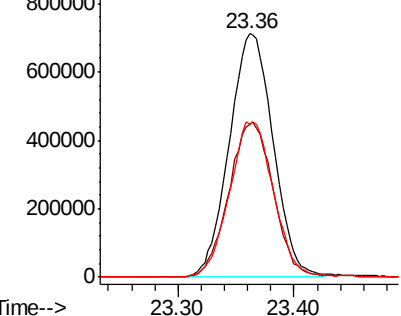


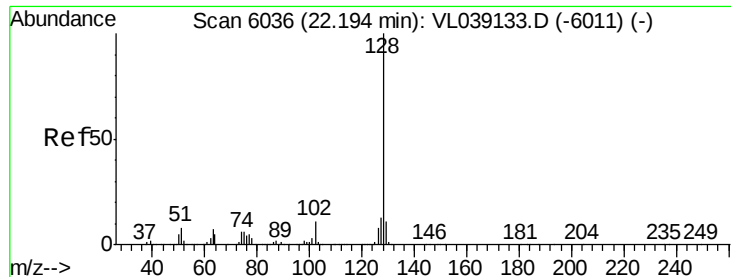
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.033 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tgt Ion:225 Resp: 1874478
 Ion Ratio Lower Upper
 225 100
 223 65.0 51.4 77.0
 227 64.5 50.6 75.8



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

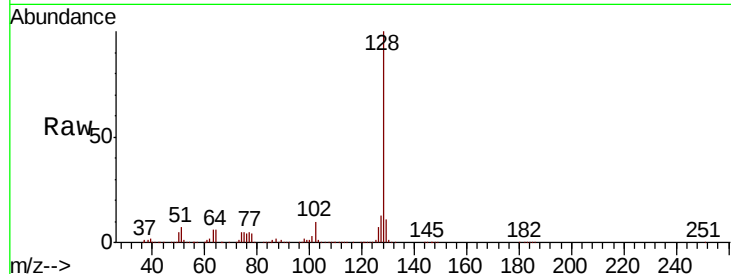




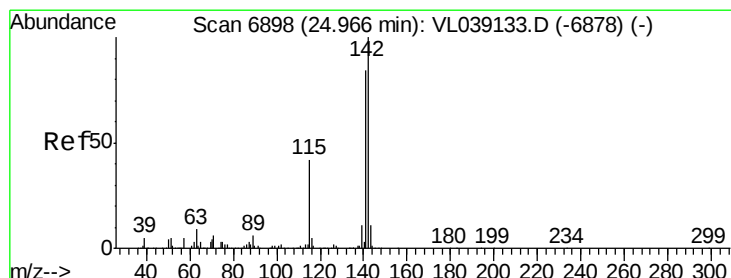
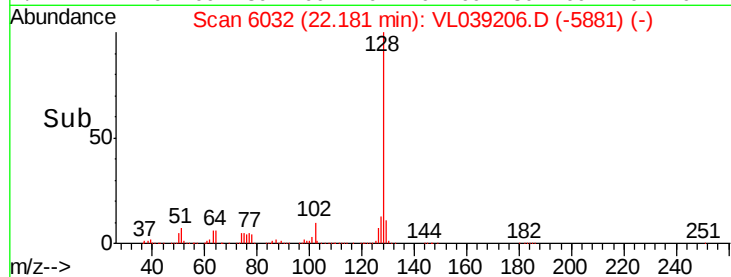
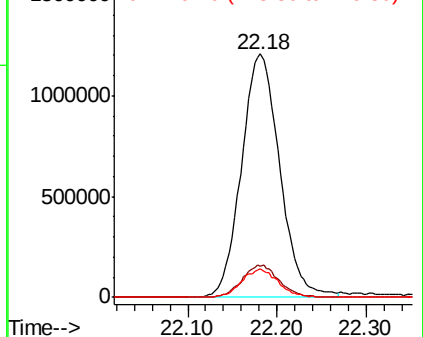
#79
Naphthalene
Concen: 9.159 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. -0.01 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

Tot Ion:128 Resp: 3602298

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.5	9.0	13.6



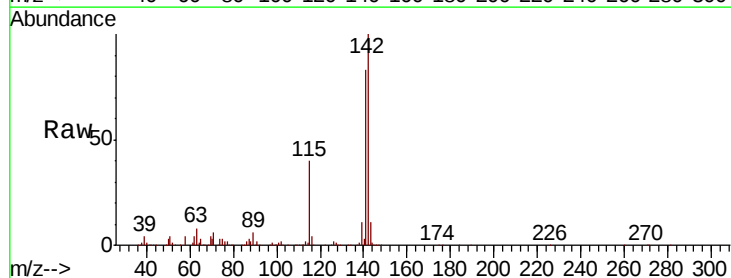
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



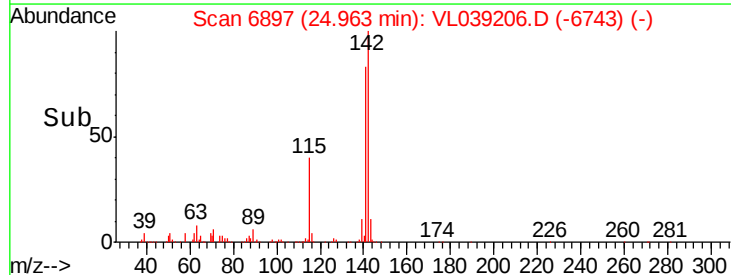
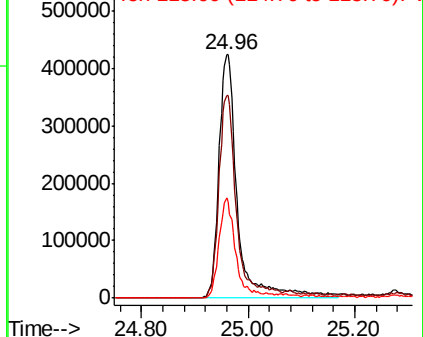
#80
Naphthalene, 2-methyl-
Concen: 7.058 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL039206.D
Acq: 7 Jun 2022 12:56

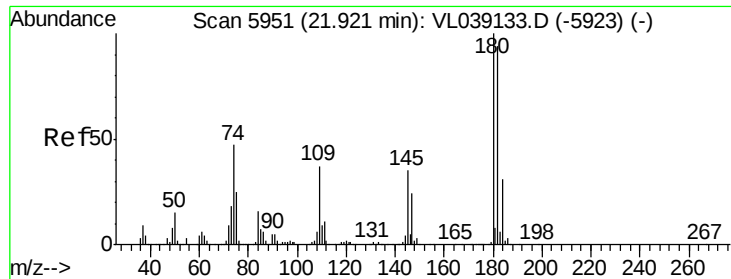
Tgt Ion:142 Resp: 1031283

Ion	Ratio	Lower	Upper
142	100		
141	83.6	64.6	96.8
115	39.1	32.7	49.1



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: 4.135 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.01 min
 Lab File: VL039206.D
 Acq: 7 Jun 2022 12:56

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	0.0	0.0
184	0.0	0.0	0.0

