

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038920.D
 Acq On : 14 Apr 2022 16:14
 Operator : SY/AP
 Sample : VL0414ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0414ABS01

Quant Time: Apr 15 08:06:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1103532	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	2615853	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3083137	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2175585	9.30	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	2327853	14.872	ppbv 96
3) Chlorodifluoromethane	3.01	51	1359795	10.097	ppbv # 90
4) Chloromethane	3.16	50	649757	9.317	ppbv 96
5) Vinyl Chloride	3.28	62	628137	9.748	ppbv 99
6) Bromomethane	3.49	94	343126	11.006	ppbv 97
7) Chloroethane	3.57	64	213961	9.957	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	1586543	10.850	ppbv 95
9) Propene	3.02	41	556379	7.808	ppbv 100
10) Heptane	8.14	43	1431389	7.975	ppbv 97
11) Trichlorofluoromethane	3.97	101	1593479	12.669	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1046760	10.864	ppbv 92
13) Ethanol	3.62	45	14249	3.291	ppbv # 100
14) Bromoethene	3.76	108	471526	11.128	ppbv 96
15) Acetone	3.87	43	1094882	9.966	ppbv 96
16) 1,3-Butadiene	3.34	39	626561	9.976	ppbv 100
17) tert-Butyl alcohol	4.30	59	740346	7.515	ppbv 98
18) 1,1-Dichloroethene	4.31	96	468558	10.668	ppbv 99
19) Isopropyl Alcohol	3.98	45	500109	8.906	ppbv # 100
20) Methylene Chloride	4.37	84	380647	9.553	ppbv 93
21) Allyl Chloride	4.43	41	720205	8.755	ppbv 92
22) trans-1,2-Dichloroethene	4.91	96	473624	10.651	ppbv 97
23) Vinyl Acetate	5.09	43	1364465	12.753	ppbv # 99
24) 1,1-Dichloroethane	5.03	63	1133528	11.724	ppbv 100
25) Ethyl Acetate	5.70	43	2499451	8.966	ppbv 99
26) Hexane	5.71	57	1081704	8.525	ppbv 98
27) Carbon Disulfide	4.57	76	1171873	10.071	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1165588	11.894	ppbv 96
29) Chloroform	5.77	83	1846304	10.400	ppbv 99
30) Cyclohexane	7.15	84	884307	7.907	ppbv 98
31) cis-1,2-Dichloroethene	5.57	61	1158629	9.931	ppbv 92
32) 1,1,1-Trichloroethane	6.53	97	1897699	10.609	ppbv 97
34) 2-Butanone	5.26	43	1509730	14.606	ppbv 96
35) Carbon Tetrachloride	7.04	117	1961728	12.509	ppbv 98
36) Benzene	6.91	78	2185669	9.185	ppbv # 94
37) 1,2-Dichloroethane	6.33	62	1572360	14.452	ppbv # 93
38) Trichloroethene	7.86	130	911989	9.340	ppbv 95
39) 1,2-Dichloropropane	7.64	63	870231	9.561	ppbv # 87
40) 1,4-Dioxane	7.85	88	306568	9.919	ppbv # 3
41) Tetrahydrofuran	6.07	42	899822	9.166	ppbv 100
42) Bromodichloromethane	7.81	83	2053412	11.952	ppbv 100
43) Methyl Methacrylate	8.03	69	938454	10.297	ppbv 95

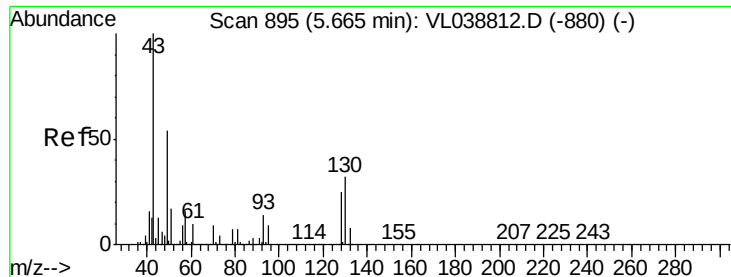
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038920.D
 Acq On : 14 Apr 2022 16:14
 Operator : SY/AP
 Sample : VL0414ABS01
 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA L
 ClientSampleId :
 VL0414ABS01

Quant Time: Apr 15 08:06:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3803762	9.441	ppbv	97
45) t-1,3-Dichloropropene	9.30	75	1110234	11.650	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1329796	10.583	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	902322	9.675	ppbv	98
48) Dibromochloromethane	10.33	129	1670015	11.425	ppbv	99
49) Bromoform	13.06	173	1390921	12.014	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2391702	10.287	ppbv	99
51) 2-Hexanone	10.15	43	1893049	10.806	ppbv #	95
52) Tetrachloroethene	11.24	164	772526	9.294	ppbv	97
53) Toluene	9.83	91	2556800	9.307	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1343980	10.374	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1131737	8.376	ppbv	92
57) Chlorobenzene	12.17	112	1866294	7.391	ppbv	96
58) Ethyl Benzene	12.73	91	3552278	7.711	ppbv	93
59) m/p-Xylene	13.01	91	3616598	9.344	ppbv #	63
60) o-Xylene	13.71	91	2955735	8.161	ppbv	93
61) Styrene	13.55	104	1686287	7.642	ppbv	94
62) Isopropylbenzene	14.69	105	4253699	7.825	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.70	83	1804141	7.865	ppbv	100
64) n-propylbenzene	15.58	120	1067378	7.562	ppbv	82
65) tert-Butylbenzene	16.76	119	3703529	7.679	ppbv	89
66) Benzyl Chloride	17.01	91	730718	7.442	ppbv #	92
67) sec-Butylbenzene	17.31	105	5340497	7.891	ppbv	96
69) p-Isopropyltoluene	17.67	119	4424237	7.961	ppbv	95
70) n-Butylbenzene	18.57	91	4809142	8.590	ppbv	97
71) 2-Chlorotoluene	15.47	91	3386176	8.284	ppbv	93
72) 4-Ethyltoluene	15.86	105	3532568	8.168	ppbv	96
73) 1,3,5-Trimethylbenzene	16.02	105	3176615	8.176	ppbv	95
74) 1,2,4-Trimethylbenzene	16.78	105	3386635	8.246	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	1886676	7.912	ppbv	97
76) 1,4-Dichlorobenzene	17.16	146	1866166	7.945	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	1859390	7.910	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1354423	7.293	ppbv	99
79) Naphthalene	22.22	128	2570537	8.367	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	541048	7.147	ppbv	95
81) 1,2,4-Trichlorobenzene	21.95	180	1471011	8.181	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0414ABS01

Acq: 14 Apr 2022 16:14

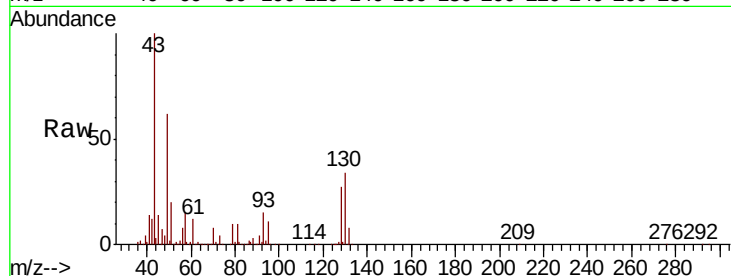
Tot Ion: 49 Resp: 1103532

Ion Ratio Lower Upper

49 100

128 45.7 24.1 72.3

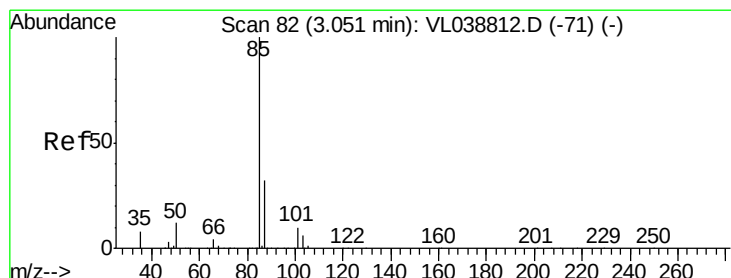
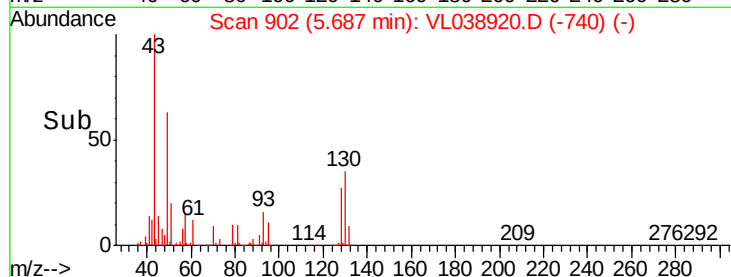
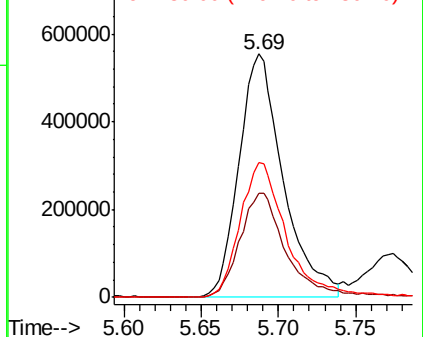
130 58.3 30.9 92.8



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: 14.872 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.02 min

Lab File: VL038920.D

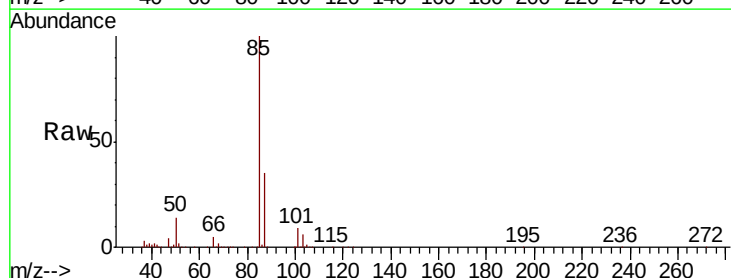
Acq: 14 Apr 2022 16:14

Tgt Ion: 85 Resp: 2327853

Ion Ratio Lower Upper

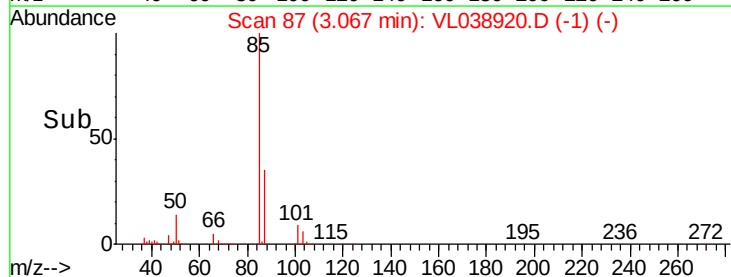
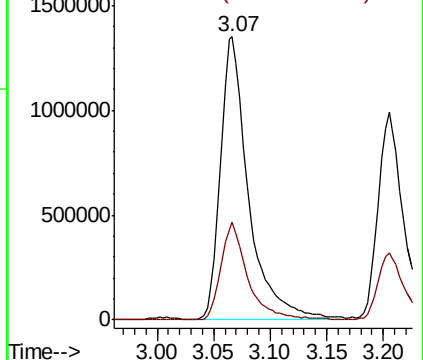
85 100

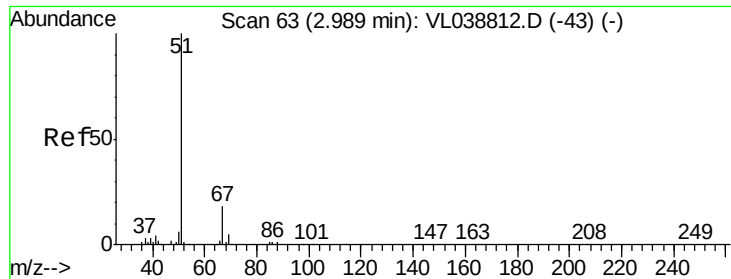
87 34.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.097 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

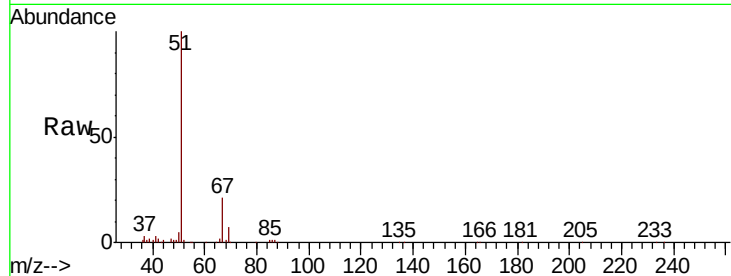
Acq: 14 Apr 2022 16:14

Tot Ion: 51 Resp: 1359795

Ion Ratio Lower Upper

51 100

67 20.9 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.01

800000

600000

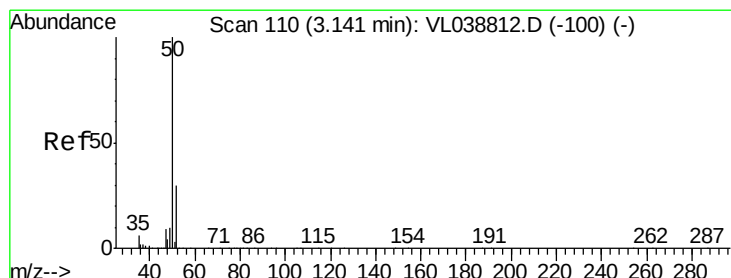
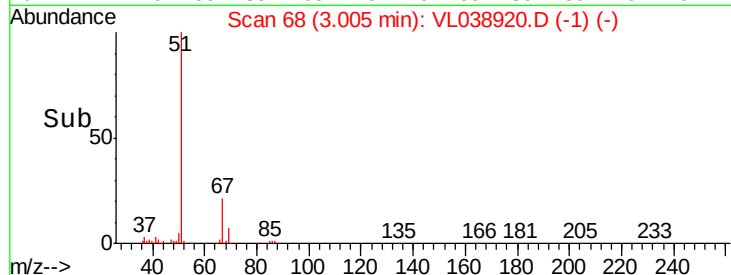
400000

200000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 9.317 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.02 min

Lab File: VL038920.D

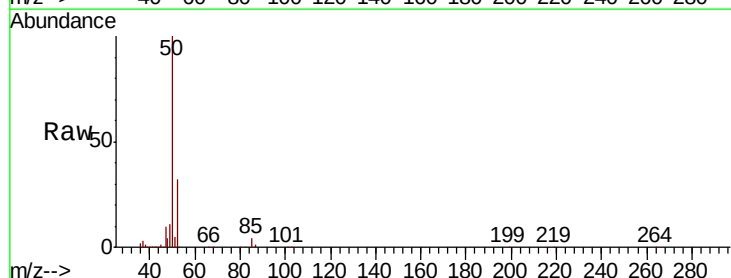
Acq: 14 Apr 2022 16:14

Tgt Ion: 50 Resp: 649757

Ion Ratio Lower Upper

50 100

52 32.5 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.16

400000

300000

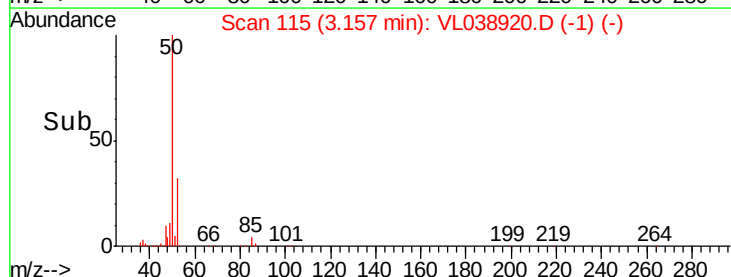
200000

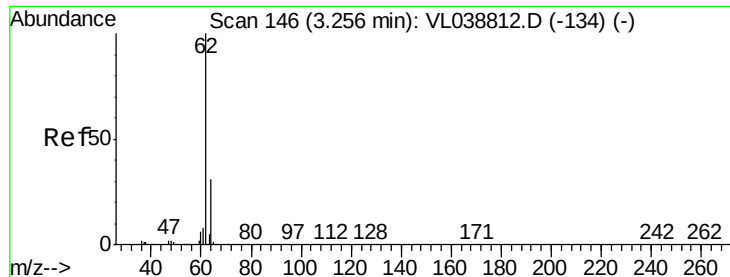
100000

0

Time-->

3.10 3.15 3.20





#5

Vinyl Chloride

Concen: 9.748 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

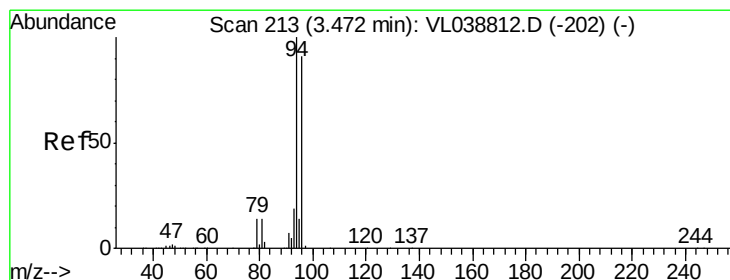
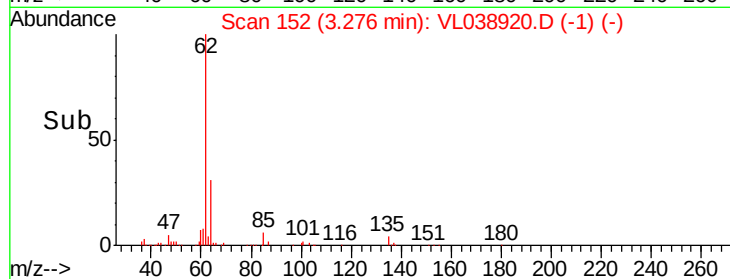
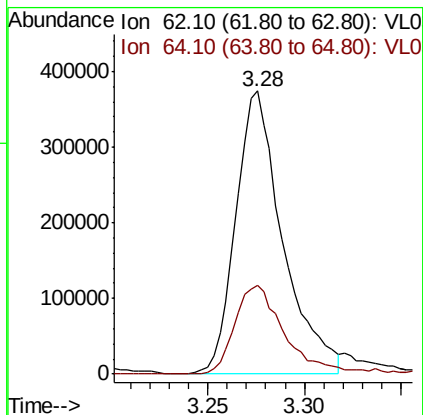
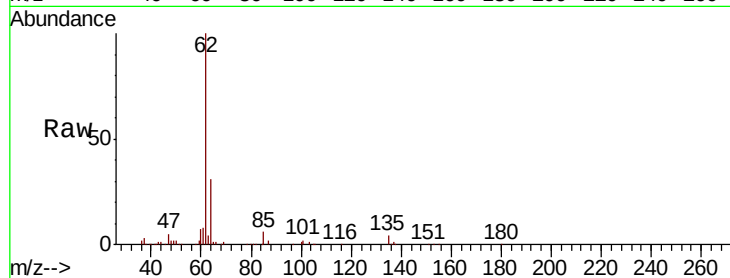
Acq: 14 Apr 2022 16:14 VL0414ABS01

Tot Ion: 62 Resp: 628137

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0



#6

Bromomethane

Concen: 11.006 ppbv

RT: 3.49 min Scan# 219

Delta R.T. 0.02 min

Lab File: VL038920.D

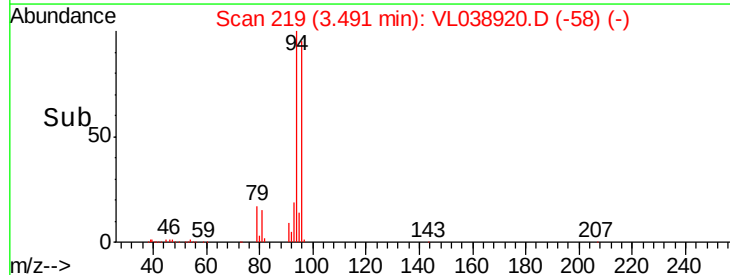
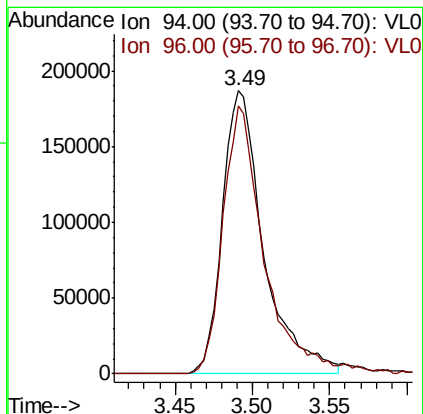
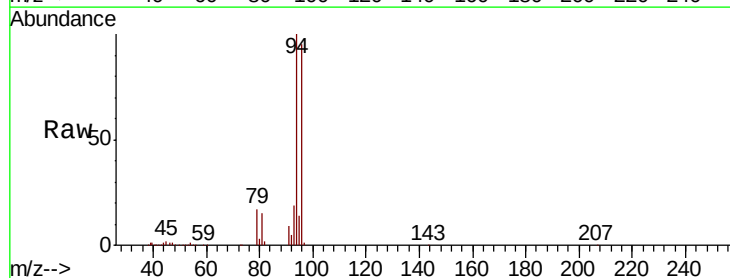
Acq: 14 Apr 2022 16:14

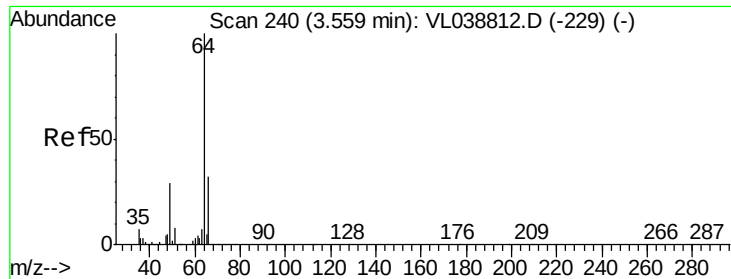
Tgt Ion: 94 Resp: 343126

Ion Ratio Lower Upper

94 100

96 94.6 73.2 109.8





#7

Chloroethane

Concen: 9.957 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

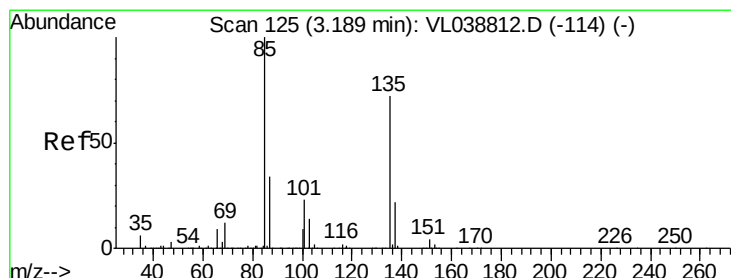
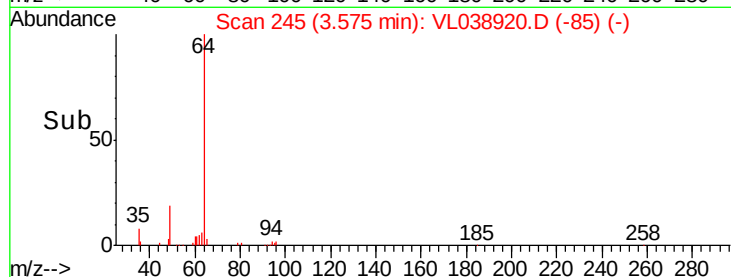
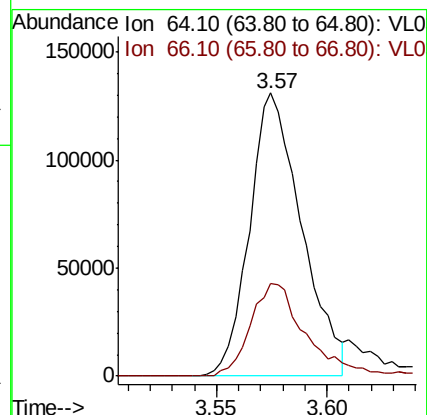
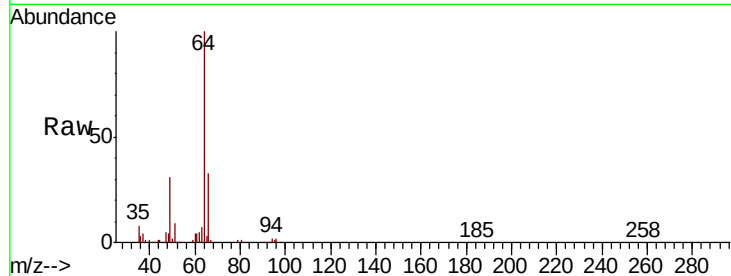
Acq: 14 Apr 2022 16:14

Tot Ion: 64 Resp: 213961

Ion Ratio Lower Upper

64 100

66 32.9 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 10.850 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.02 min

Lab File: VL038920.D

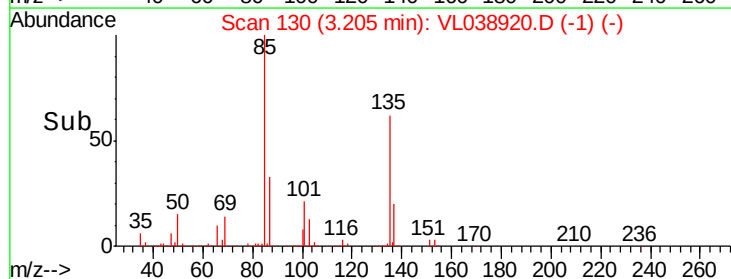
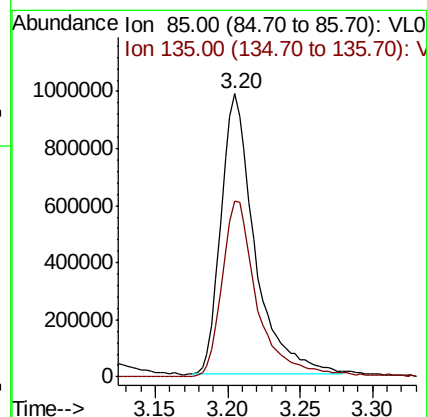
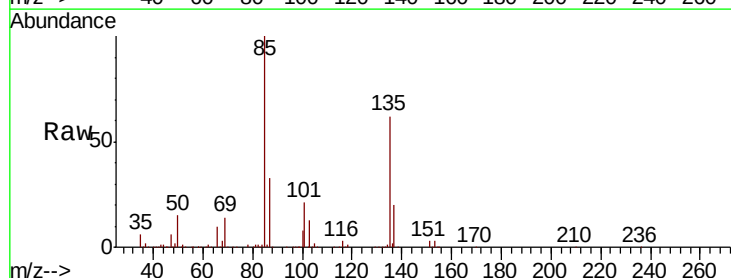
Acq: 14 Apr 2022 16:14

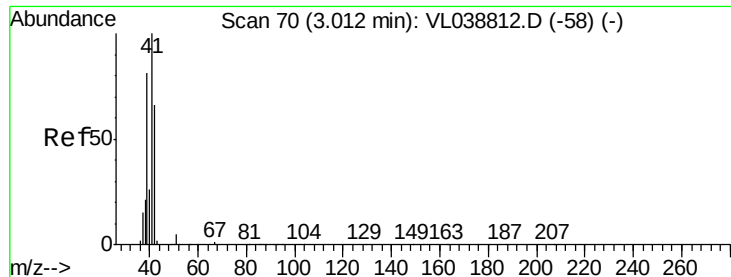
Tgt Ion: 85 Resp: 1586543

Ion Ratio Lower Upper

85 100

135 67.0 57.0 85.6





#9

Propene

Concen: 7.808 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

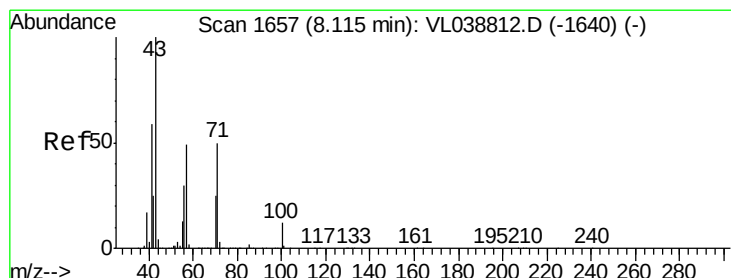
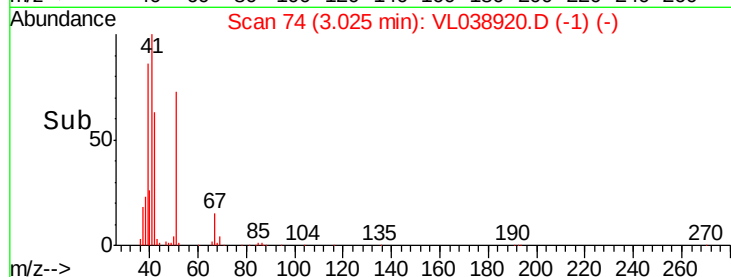
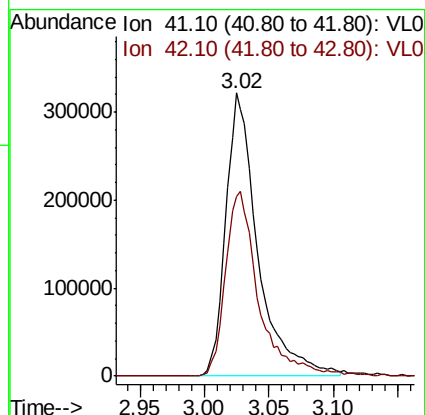
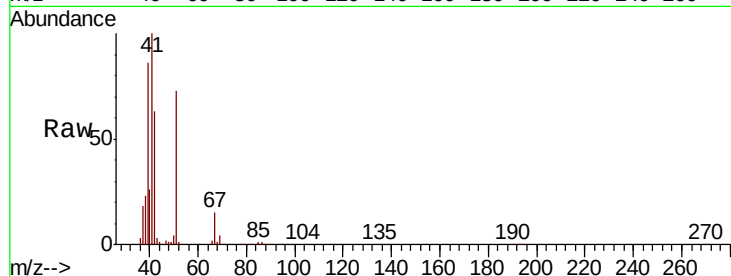
Acq: 14 Apr 2022 16:14

Tot Ion: 41 Resp: 556379

Ion Ratio Lower Upper

41 100

42 67.9 54.2 81.4



#10

Heptane

Concen: 7.975 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.03 min

Lab File: VL038920.D

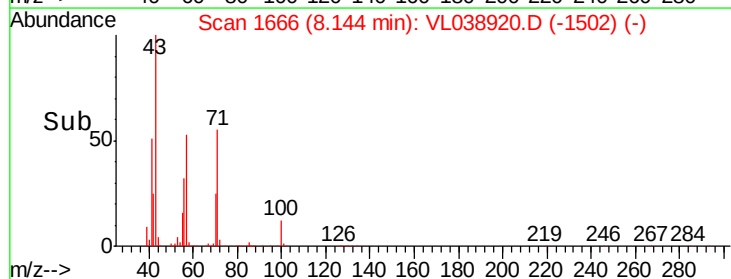
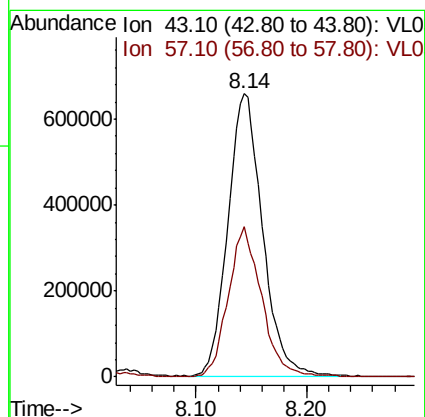
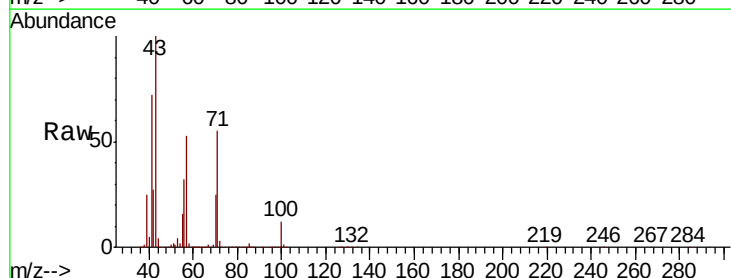
Acq: 14 Apr 2022 16:14

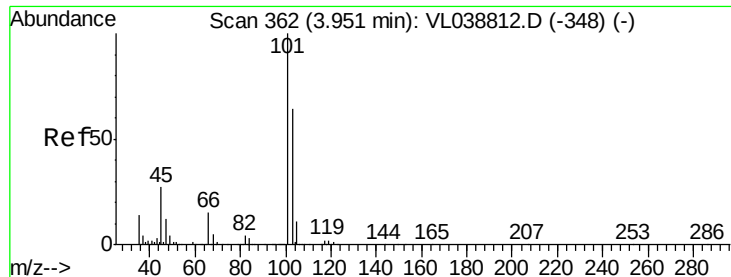
Tgt Ion: 43 Resp: 1431389

Ion Ratio Lower Upper

43 100

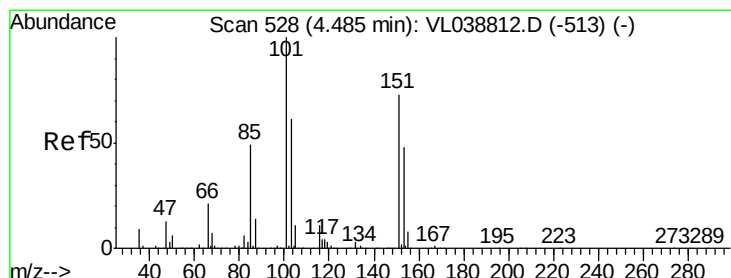
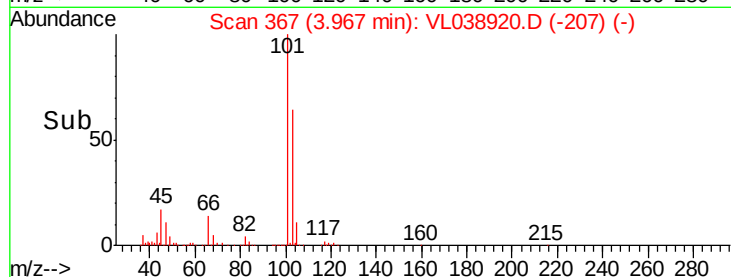
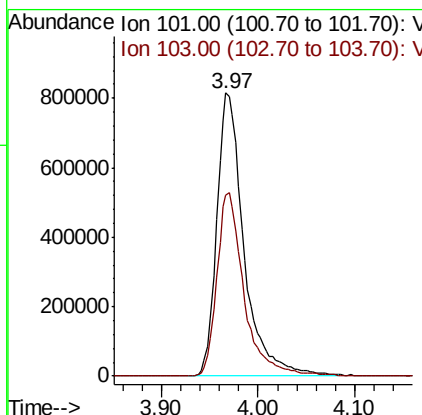
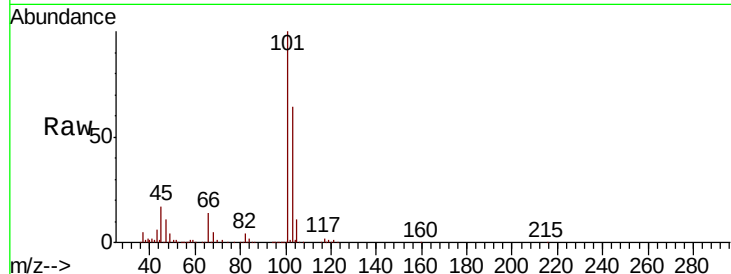
57 50.9 39.3 58.9





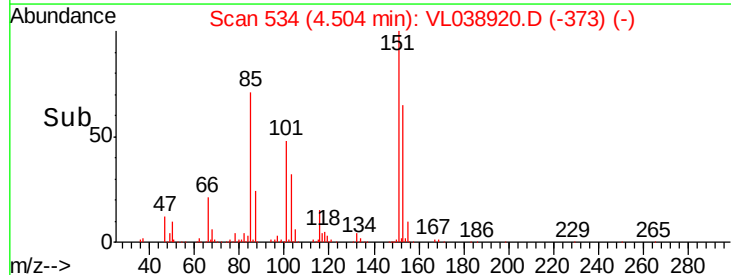
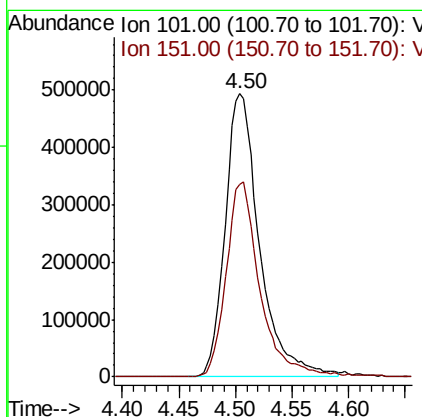
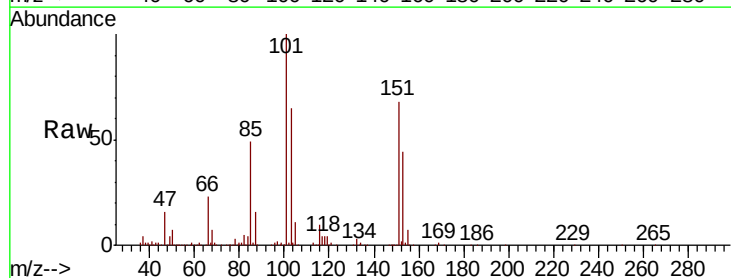
#11
 Trichlorofluoromethane
 Concen: 12.669 ppbv
 RT: 3.97 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0414ABS01
 Acq: 14 Apr 2022 16:14

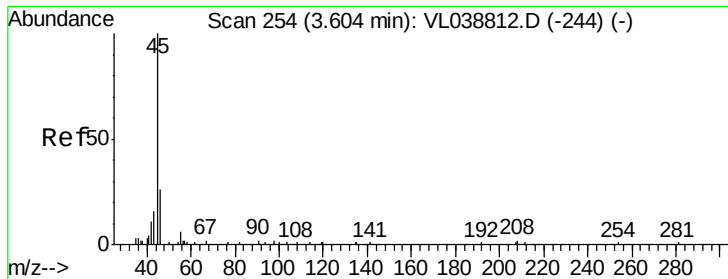
Tot Ion:101 Resp: 1593479
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.864 ppbv
 RT: 4.50 min Scan# 534
 Delta R.T.: 0.02 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

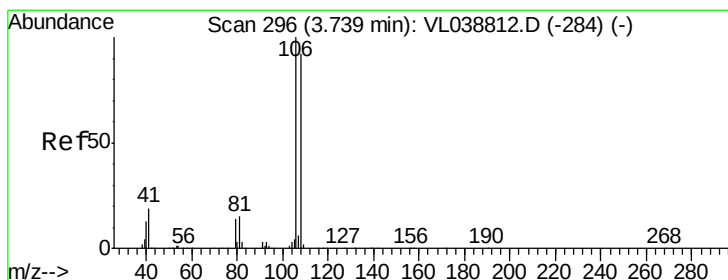
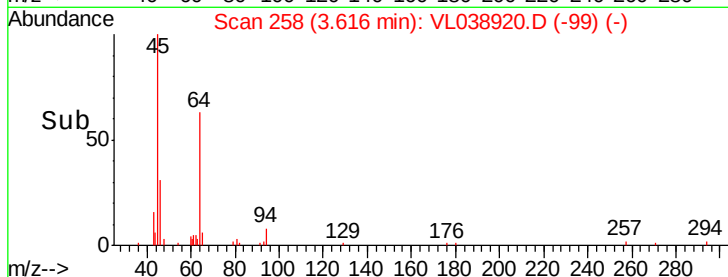
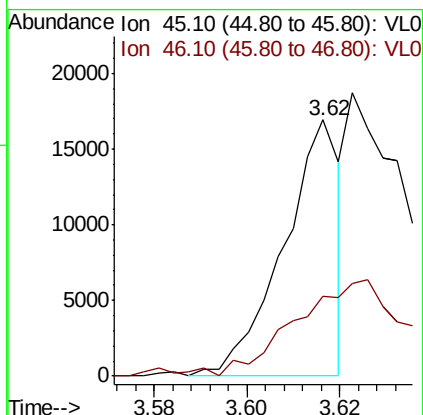
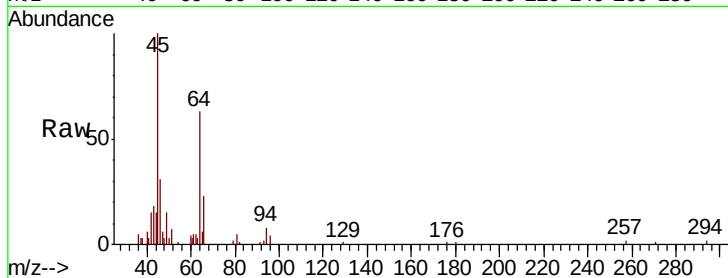
Tgt Ion:101 Resp: 1046760
 Ion Ratio Lower Upper
 101 100
 151 68.1 59.9 89.9





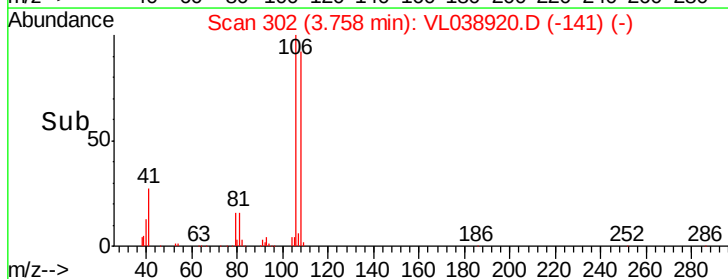
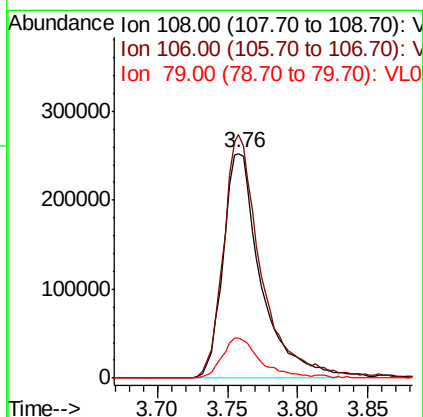
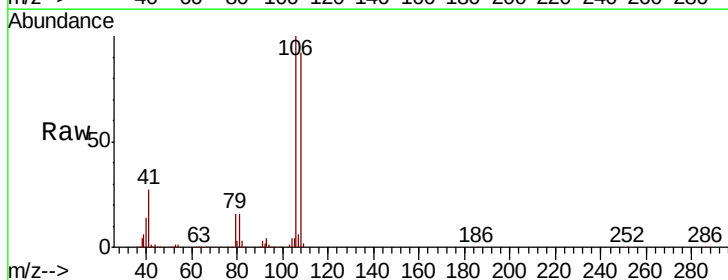
#13
Ethanol
Concen: 3.291 ppbv
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 16:14

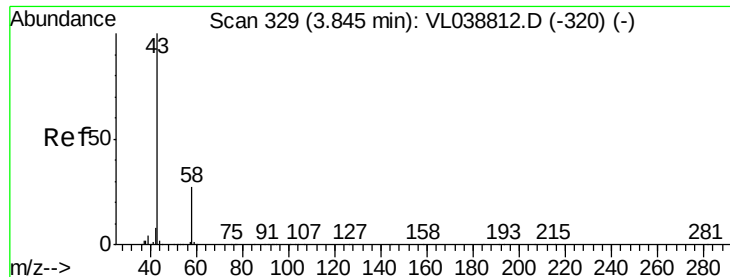
Tot Ion: 45 Resp: 14249
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#14
Bromoethene
Concen: 11.128 ppbv
RT: 3.76 min Scan# 302
Delta R.T. 0.02 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

Tgt Ion: 108 Resp: 471526
Ion Ratio Lower Upper
108 100
106 109.5 91.5 137.3
79 19.0 13.7 20.5





#15

Acetone

Concen: 9.966 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

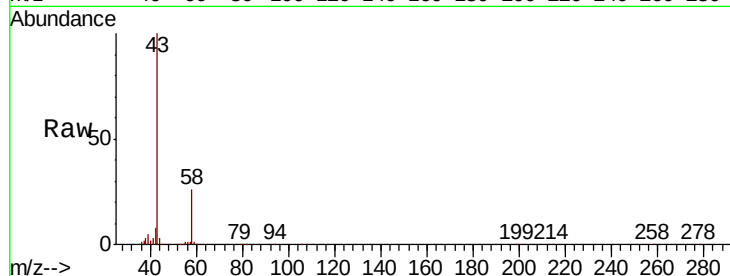
Acq: 14 Apr 2022 16:14 VL0414ABS01

Tot Ion: 43 Resp: 1094882

Ion Ratio Lower Upper

43 100

58 26.1 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

600000

500000

400000

300000

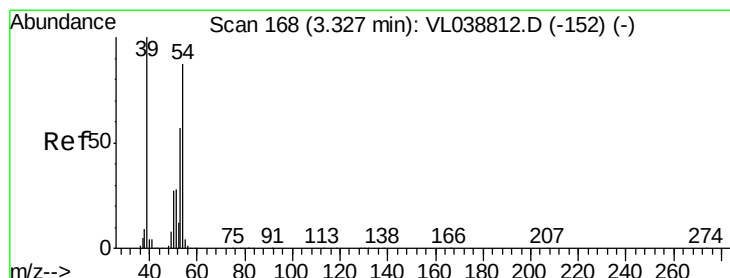
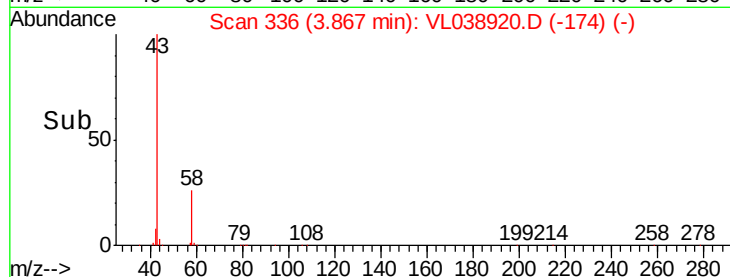
200000

100000

0

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 9.976 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL038920.D

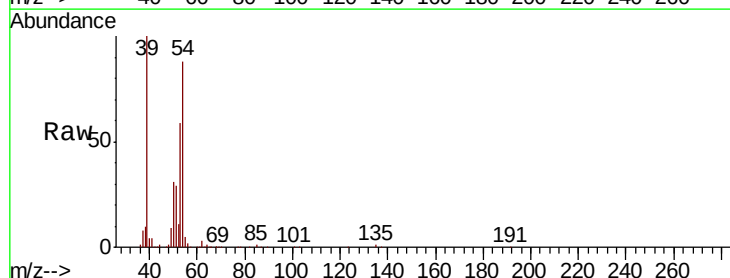
Acq: 14 Apr 2022 16:14

Tgt Ion: 39 Resp: 626561

Ion Ratio Lower Upper

39 100

54 80.9 64.8 97.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.34

300000

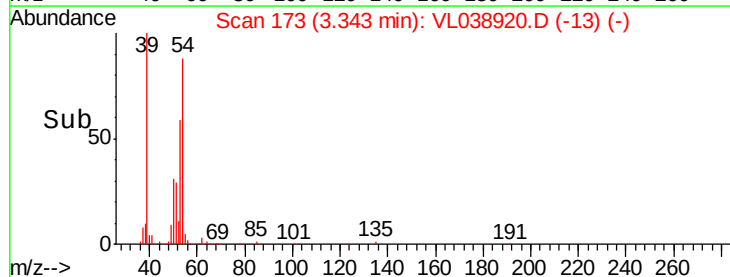
200000

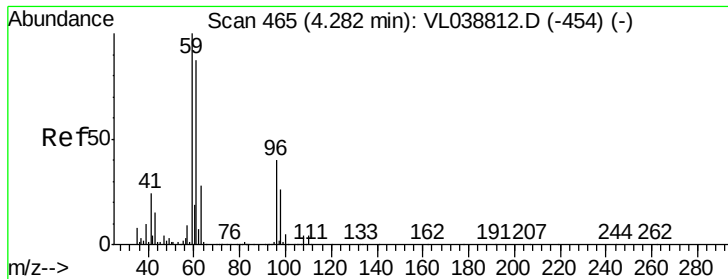
100000

0

3.25 3.30 3.35 3.40 3.45

Time-->





#17

tert-Butyl alcohol

Concen: 7.515 ppbv

RT: 4.30 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0414ABS01 ClientSampleId:

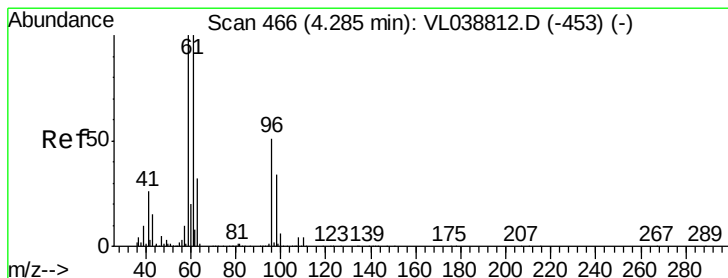
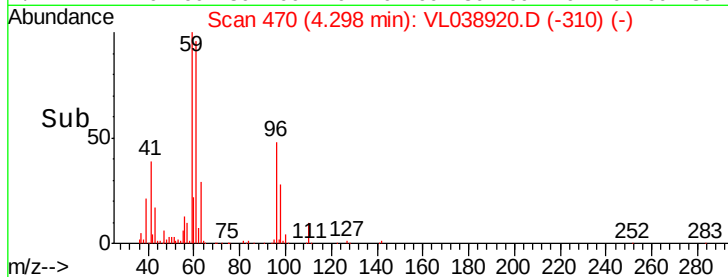
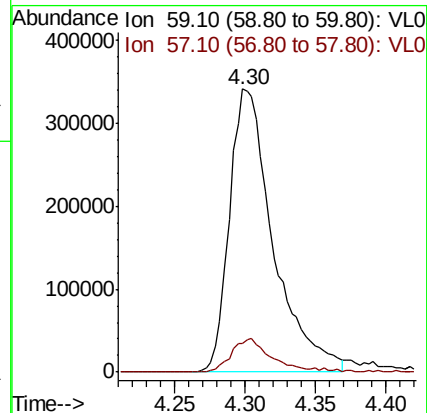
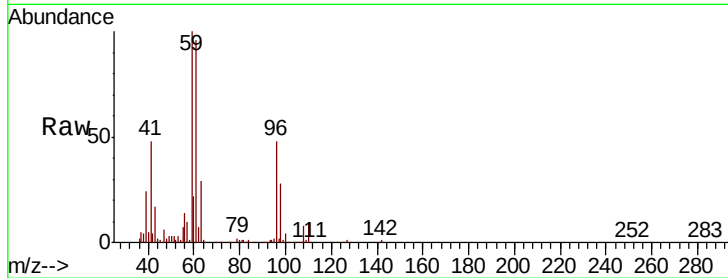
Acq: 14 Apr 2022 16:14

Tot Ion: 59 Resp: 740346

Ion Ratio Lower Upper

59 100

57 11.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.668 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.03 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

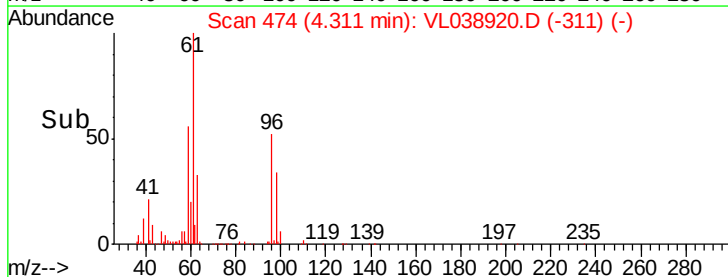
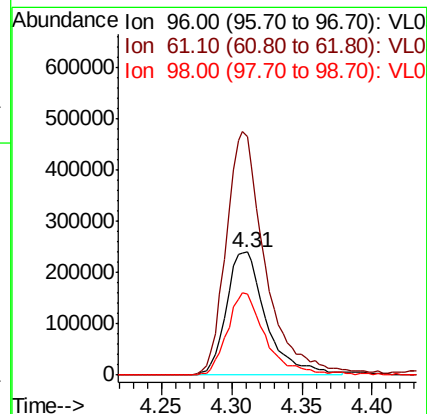
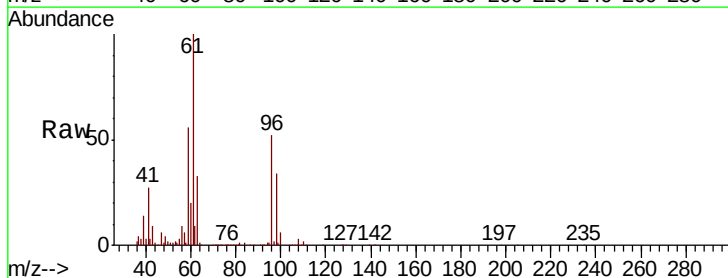
Tgt Ion: 96 Resp: 468558

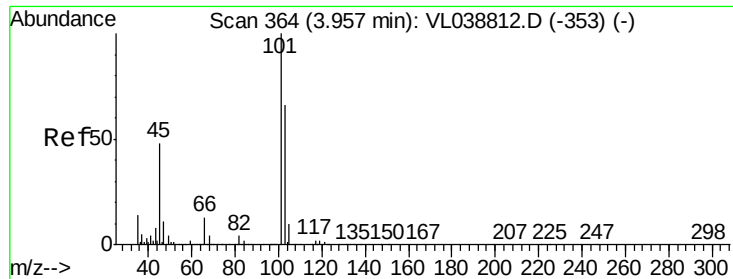
Ion Ratio Lower Upper

96 100

61 193.6 156.1 234.1

98 65.7 53.0 79.6





#19

Isopropyl Alcohol

Concen: 8.906 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

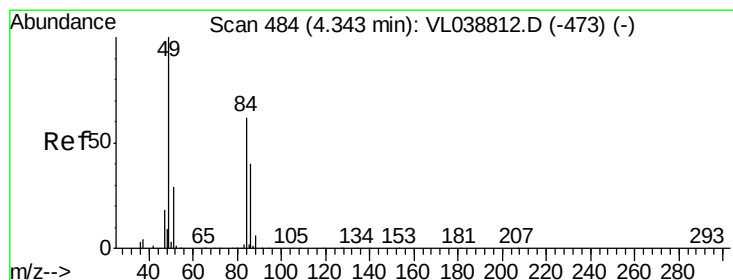
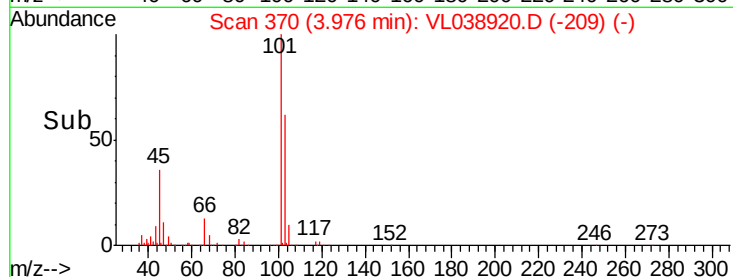
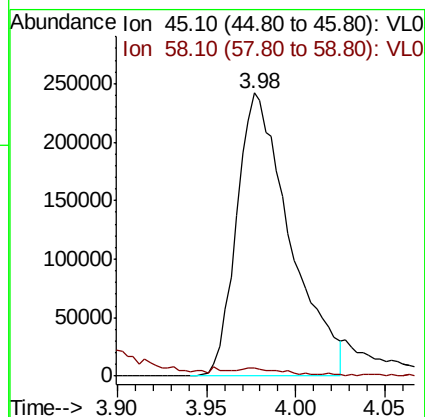
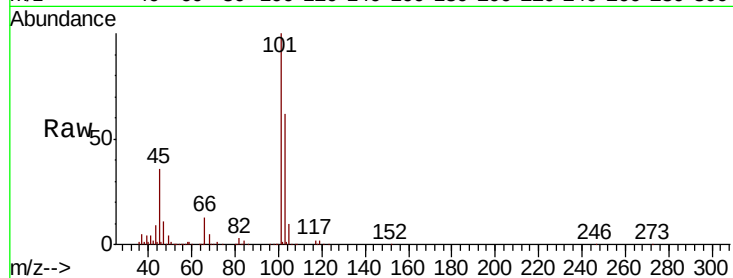
Acq: 14 Apr 2022 16:14 VL0414ABS01

Tot Ion: 45 Resp: 500109

Ion Ratio Lower Upper

45 100

58 4.1 0.0 0.0#



#20

Methylene Chloride

Concen: 9.553 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.02 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

Tgt Ion: 84 Resp: 380647

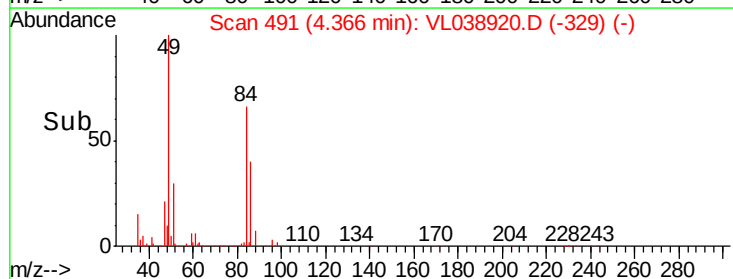
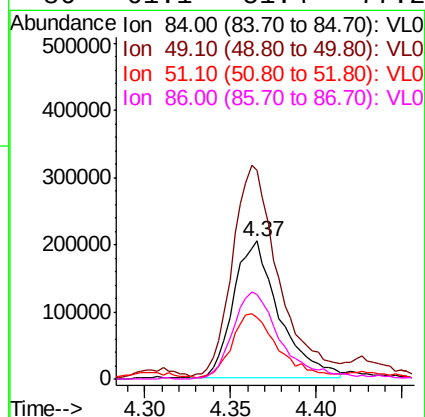
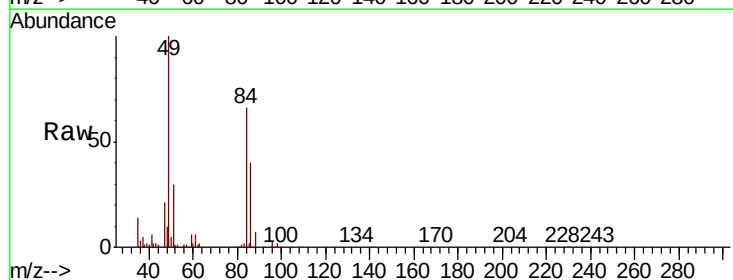
Ion Ratio Lower Upper

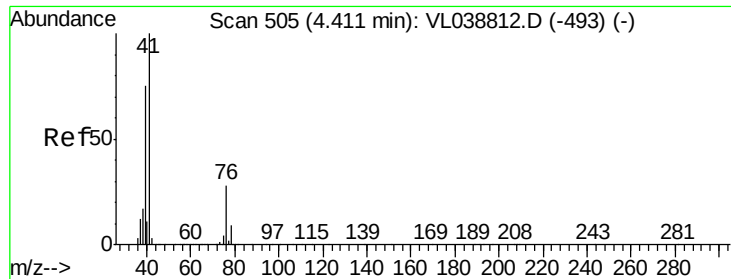
84 100

49 149.9 129.4 194.0

51 42.4 37.4 56.2

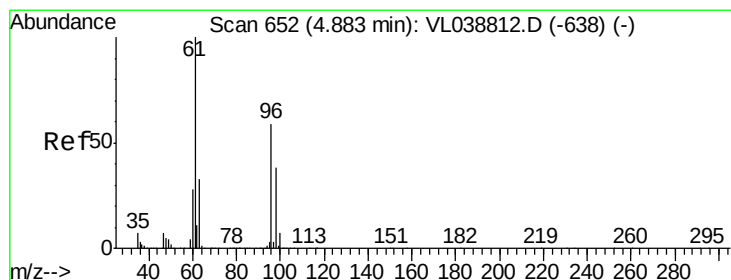
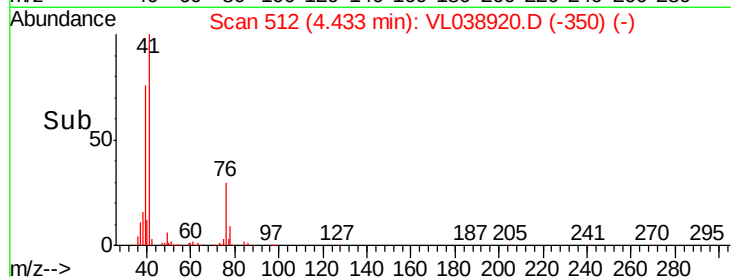
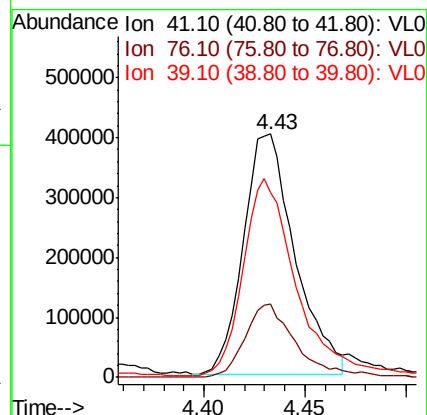
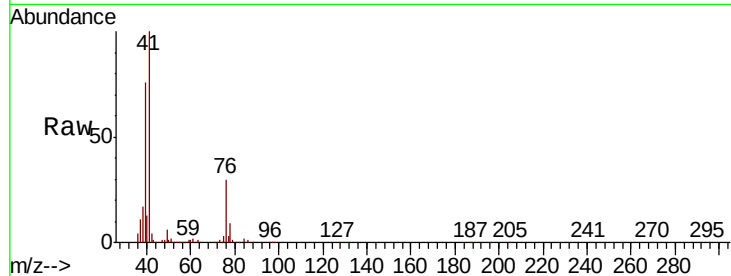
86 61.1 51.4 77.2





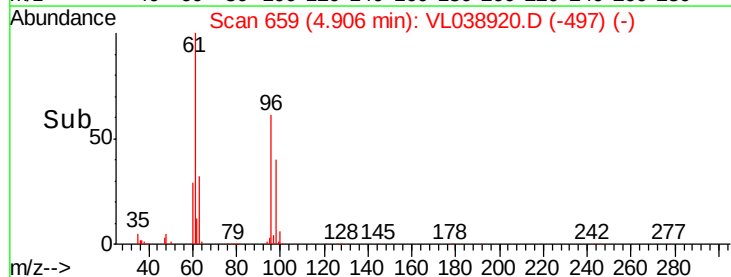
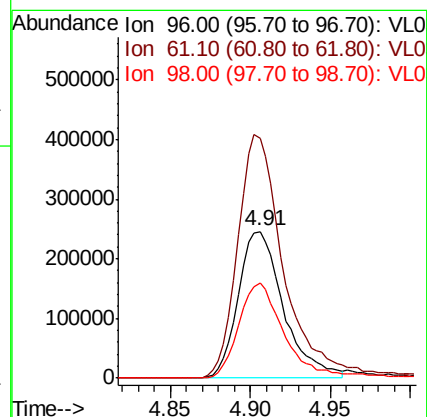
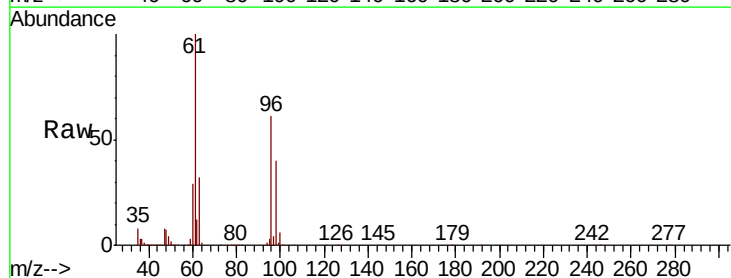
#21
 Allvl Chloride
 Concen: 8.755 ppbv
 RT: 4.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0414ABS01
 Acq: 14 Apr 2022 16:14

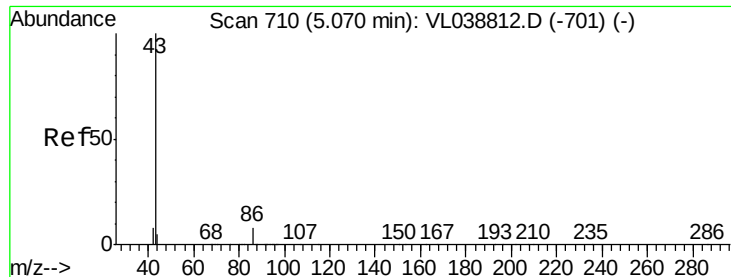
Tot Ion:	41	Resp:	720205
Ion	Ratio	Lower	Upper
41	100		
76	30.7	23.7	35.5
39	86.1	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.651 ppbv
 RT: 4.91 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

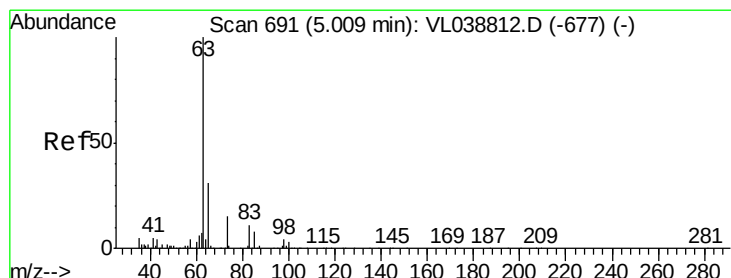
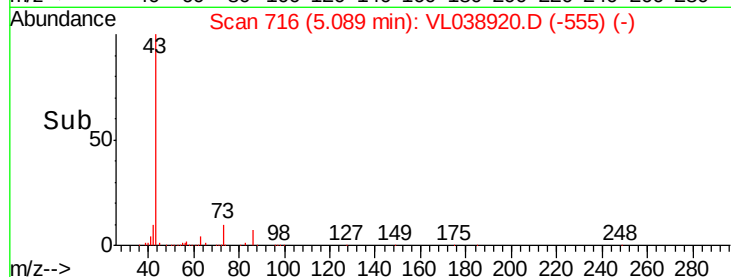
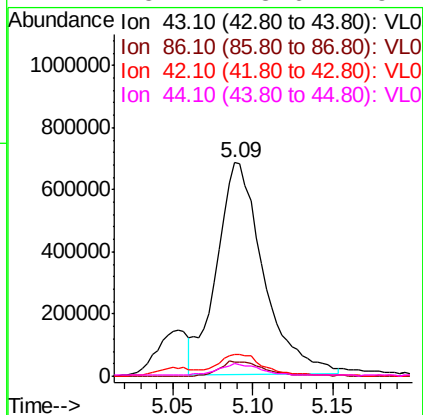
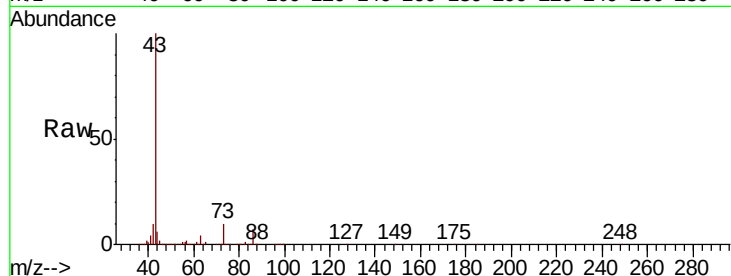
Tgt Ion:	96	Resp:	473624
Ion	Ratio	Lower	Upper
96	100		
61	163.2	134.8	202.2
98	64.9	51.9	77.9





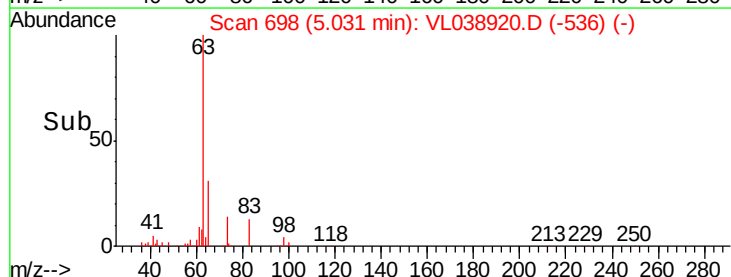
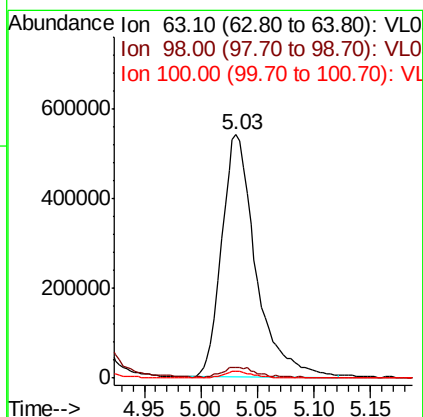
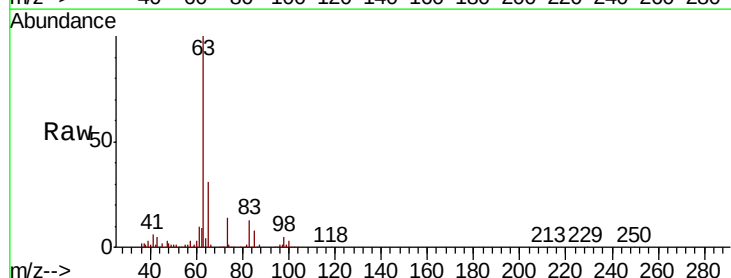
#23
 Vinyl Acetate
 Concen: 12.753 ppbv
 RT: 5.09
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 16:14

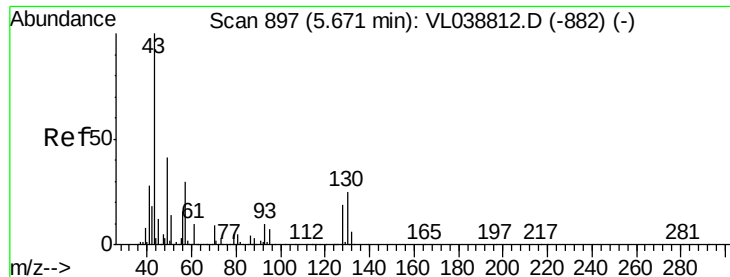
Tot Ion:	43	Resp:	1364465
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.6
42	9.8	7.8	11.6
44	5.7	3.6	5.4#



#24
 1,1-Dichloroethane
 Concen: 11.724 ppbv
 RT: 5.03 min Scan# 698
 Delta R.T.: 0.02 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

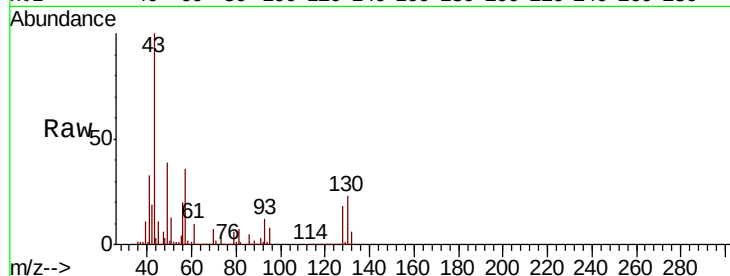
Tgt Ion:	63	Resp:	1133528
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.8	1.4	4.0





#25
Ethyl Acetate
Concen: 8.966 ppbv
RT: 5.70 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0414ABS01
Acq: 14 Apr 2022 16:14

Tot Ion:	43	Resp:	2499451
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	10.5	7.9	11.9
70	6.9	5.6	8.4



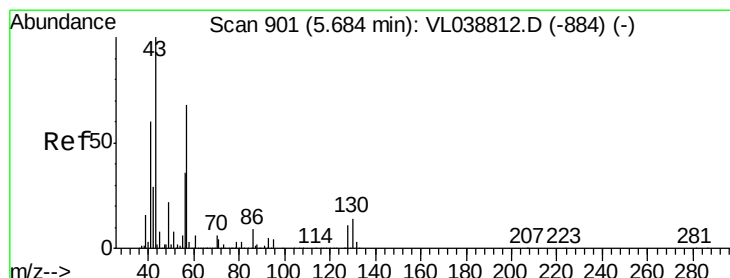
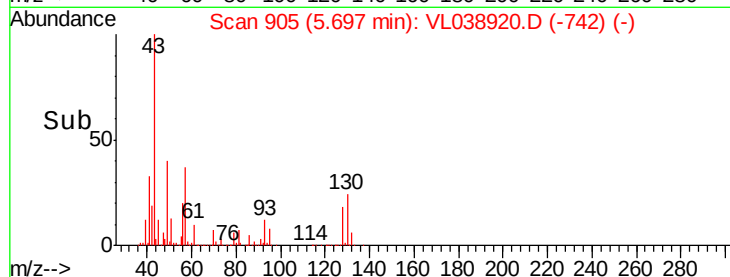
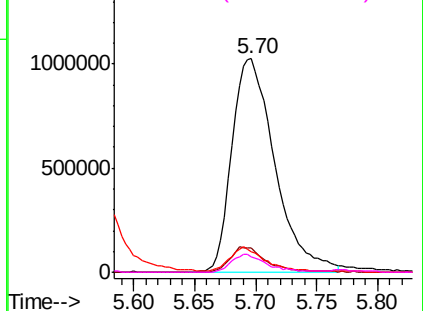
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

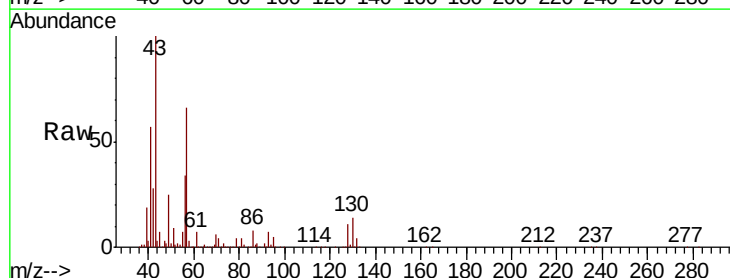
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.525 ppbv
RT: 5.71 min Scan# 908
Delta R.T.: 0.02 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

Tgt Ion:	57	Resp:	1081704
Ion	Ratio	Lower	Upper
57	100		
41	94.0	72.0	108.0
43	235.6	186.6	280.0
56	53.2	42.8	64.2



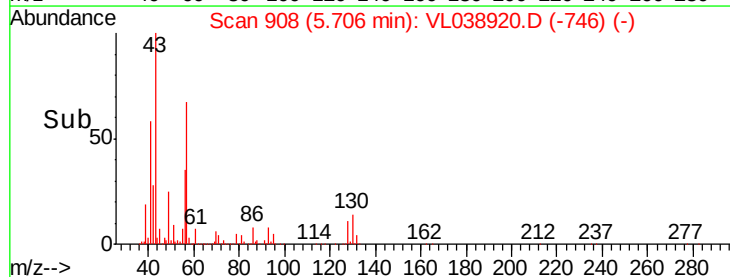
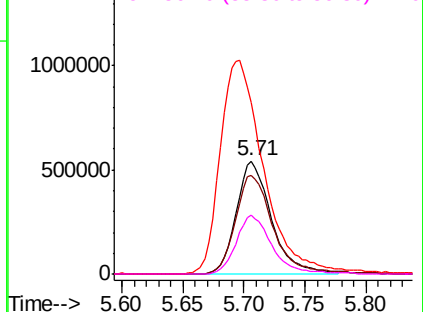
Abundance

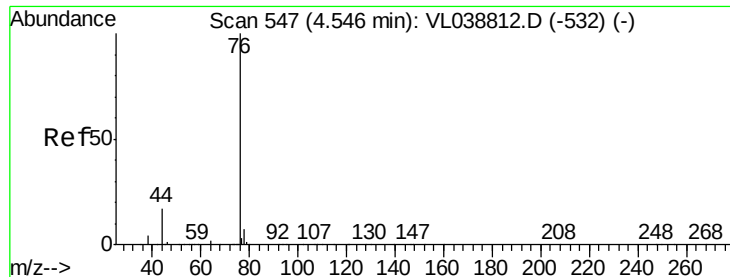
Ion 57.10 (56.80 to 57.80): VL0

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: 10.071 ppbv

RT: 4.57 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: VL0414ABS01 ClientSampleId:

Acq: 14 Apr 2022 16:14

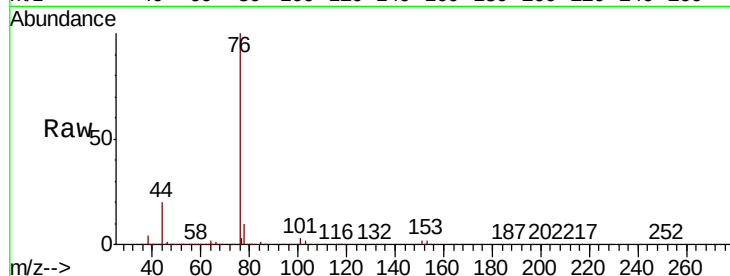
Tot Ion: 76 Resp: 1171873

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.7	23.5
78	9.3	7.8	11.8

76 100

44 19.3 15.7 23.5

78 9.3 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0
800000
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

600000

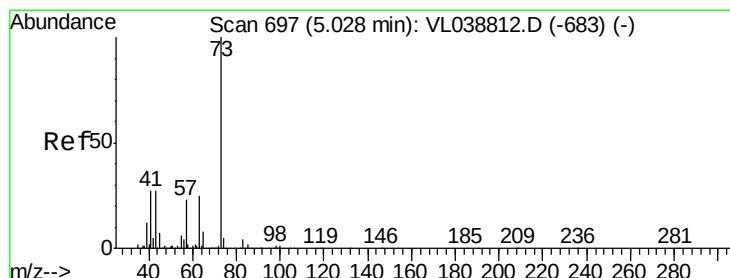
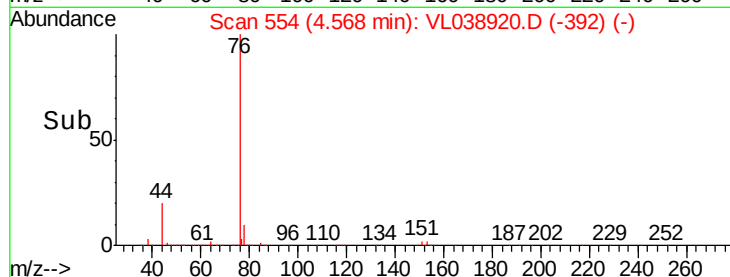
400000

200000

0

4.50 4.55 4.60 4.65

Time-->



#28

Methyl tert-Butyl Ether

Concen: 11.894 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.02 min

Lab File: VL038920.D

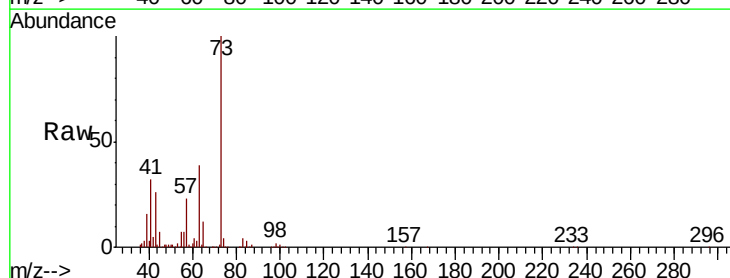
Acq: 14 Apr 2022 16:14

Tgt Ion: 73 Resp: 1165588

Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.7	29.5

73 100

57 22.5 19.7 29.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
600000
Ion 57.10 (56.80 to 57.80): VL0

500000

400000

300000

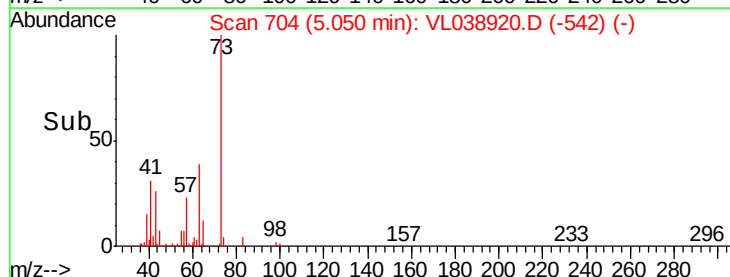
200000

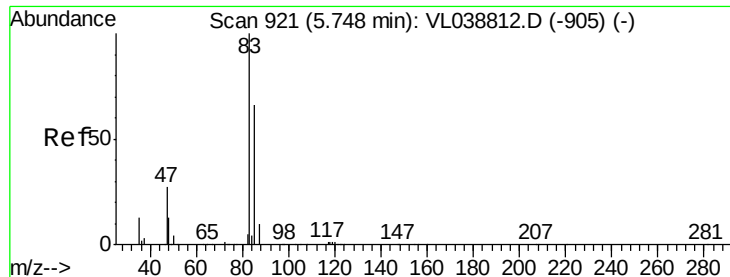
100000

0

4.95 5.00 5.05 5.10 5.15

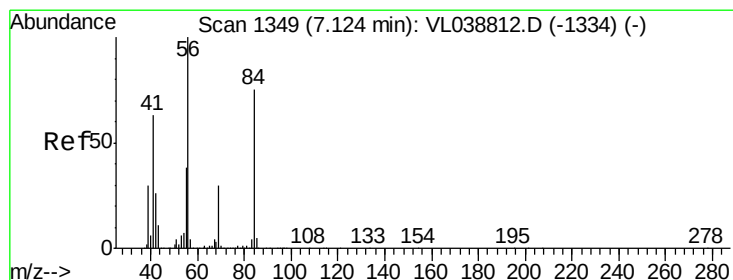
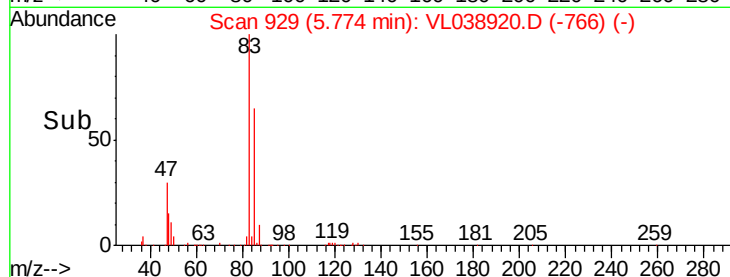
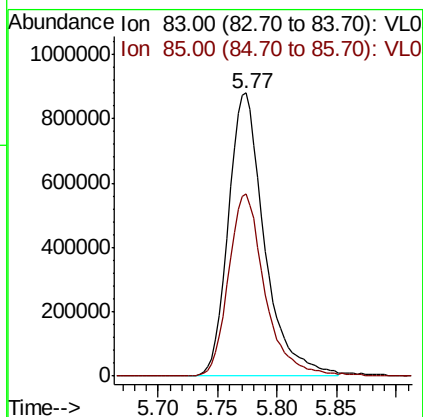
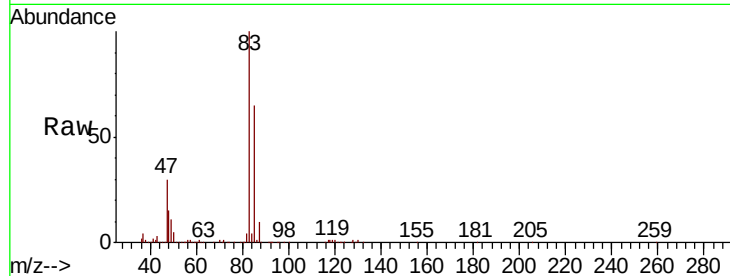
Time-->





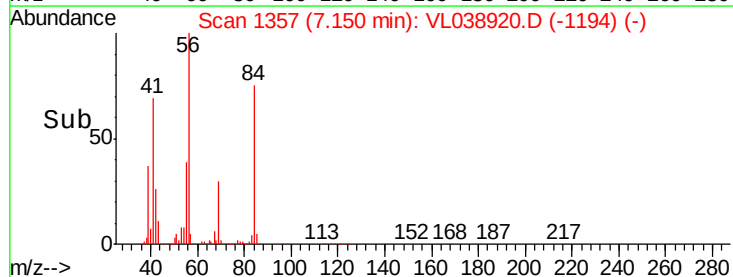
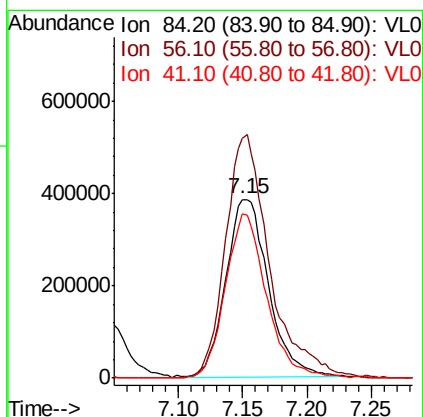
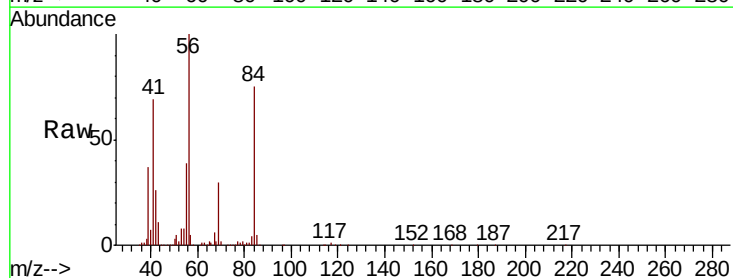
#29
Chloroform
Concen: 10.400 ppbv
RT: 5.77
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0414ABS01
Acq: 14 Apr 2022 16:14

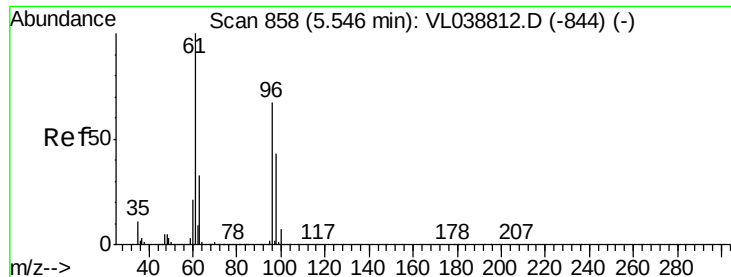
Tot Ion: 83 Resp: 1846304
Ion Ratio Lower Upper
83 100
85 64.5 52.5 78.7



#30
Cyclohexane
Concen: 7.907 ppbv
RT: 7.15 min Scan# 1357
Delta R.T.: 0.03 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

Tgt Ion: 84 Resp: 884307
Ion Ratio Lower Upper
84 100
56 143.3 114.4 171.6
41 89.9 69.0 103.4





#31

cis-1,2-Dichloroethene

Concen: 9.931 ppbv

RT: 5.57 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:14 VL0414ABS01

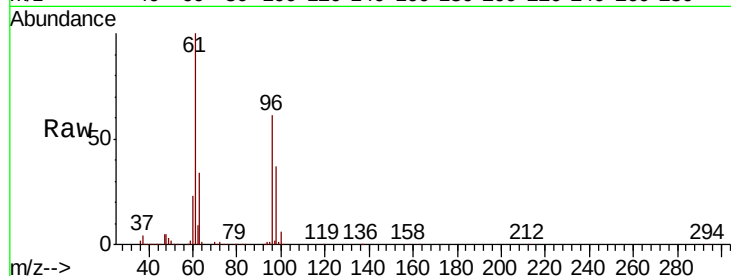
Tot Ion: 61 Resp: 1158629

Ion Ratio Lower Upper

61 100

96 60.6 53.4 80.0

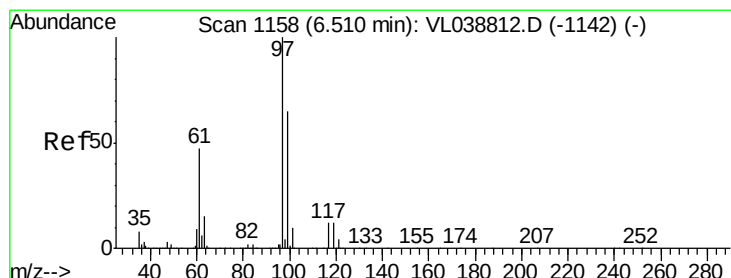
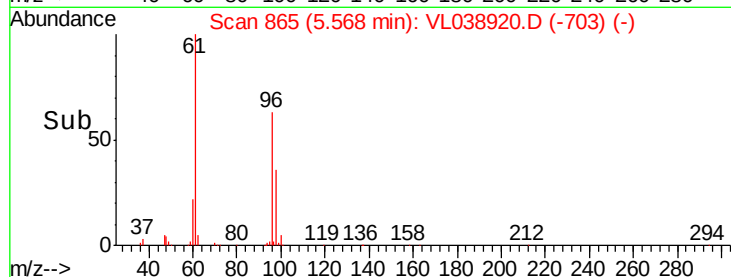
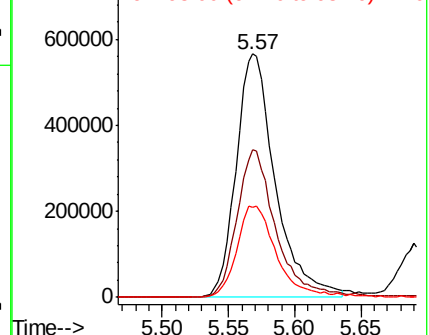
98 36.9 34.2 51.4



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: 10.609 ppbv

RT: 6.53 min Scan# 1165

Delta R.T. 0.02 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

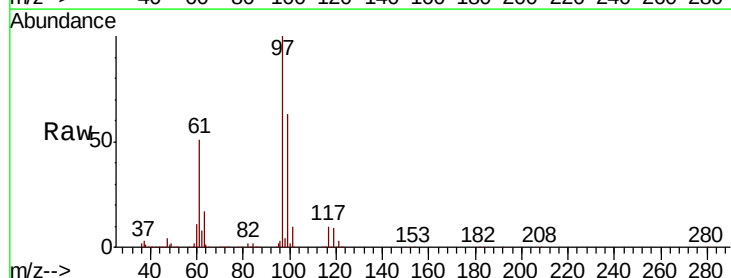
Tgt Ion: 97 Resp: 1897699

Ion Ratio Lower Upper

97 100

99 64.7 52.4 78.6

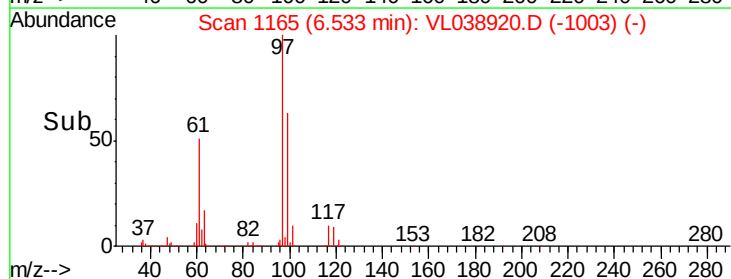
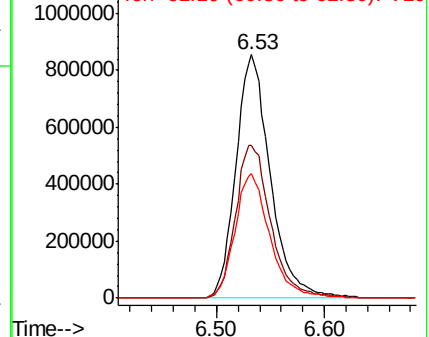
61 52.1 38.6 57.8

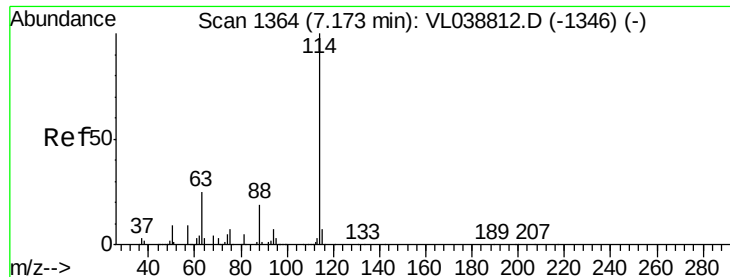


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

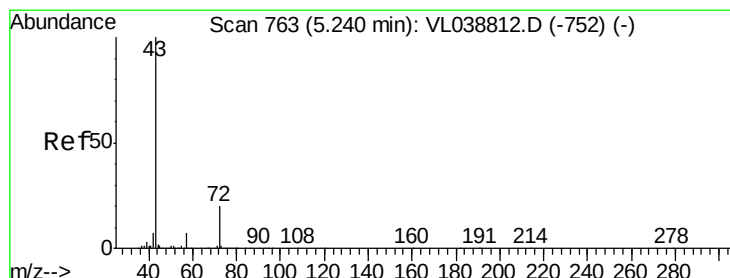
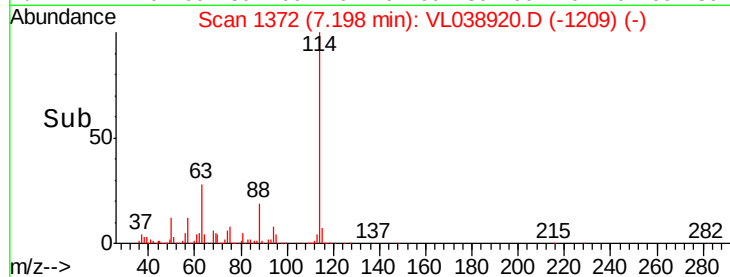
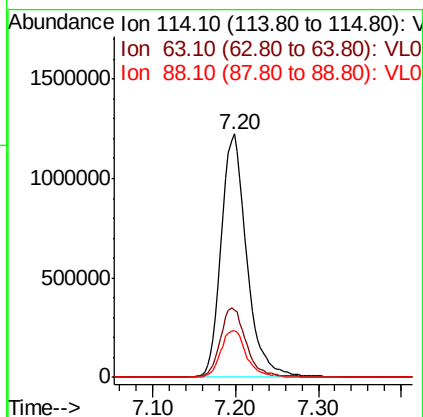
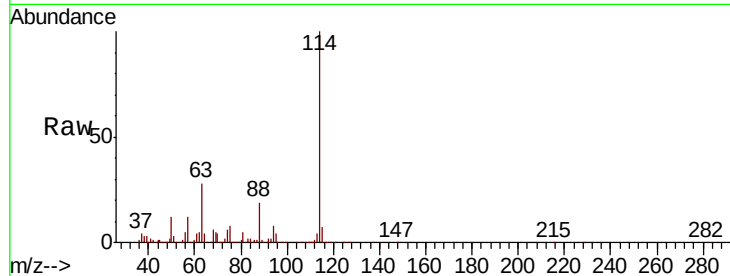
Ion 61.10 (60.80 to 61.80): VL0





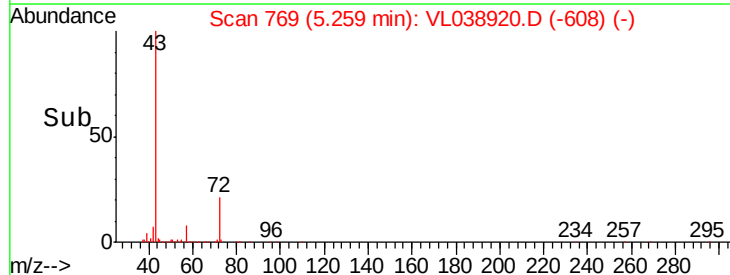
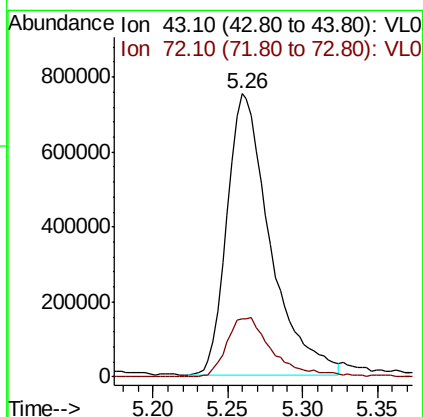
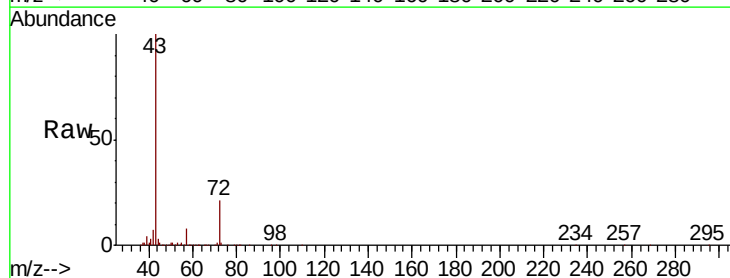
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0414ABS01
 Acq: 14 Apr 2022 16:14

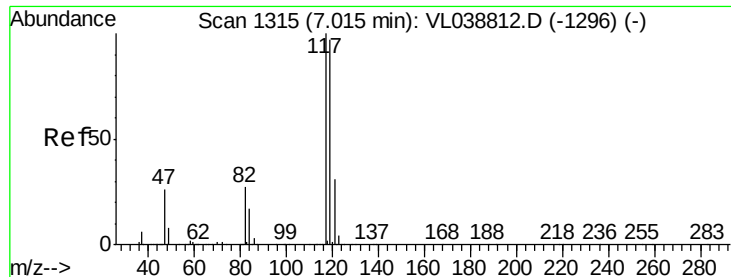
Tot Ion:114 Resp: 2615853
 Ion Ratio Lower Upper
 114 100
 63 29.1 19.8 29.8
 88 19.4 14.2 21.4



#34
 2-Butanone
 Concen: 14.606 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

Tgt Ion: 43 Resp: 1509730
 Ion Ratio Lower Upper
 43 100
 72 23.0 16.9 25.3





#35

Carbon Tetrachloride

Concen: 12.509 ppbv

RT: 7.04 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:14

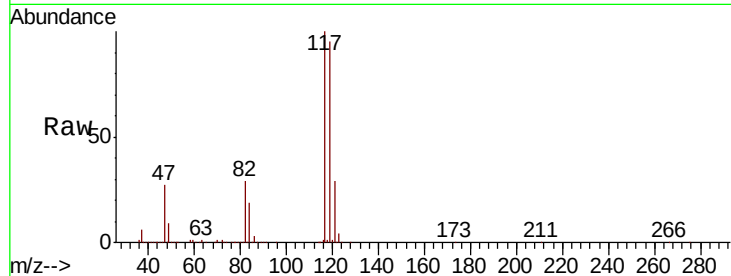
Tot Ion:117 Resp: 1961728

Ion Ratio Lower Upper

117 100

119 95.3 77.7 116.5

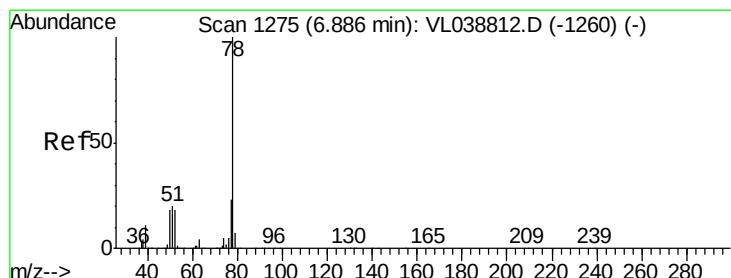
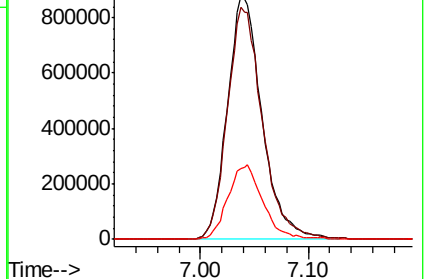
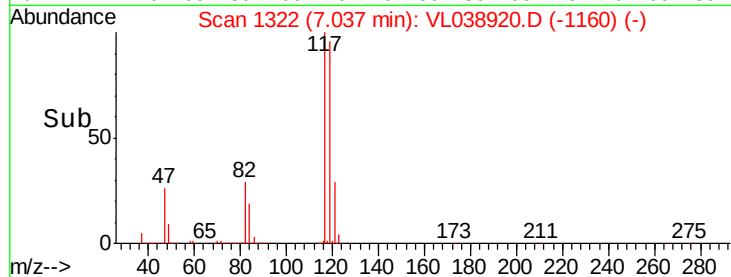
121 29.1 24.5 36.7



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: 9.185 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.03 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

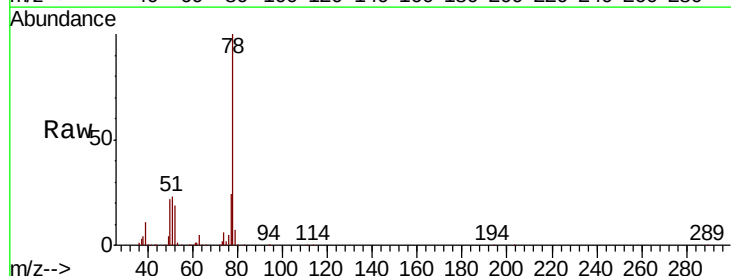
Tgt Ion: 78 Resp: 2185669

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.2

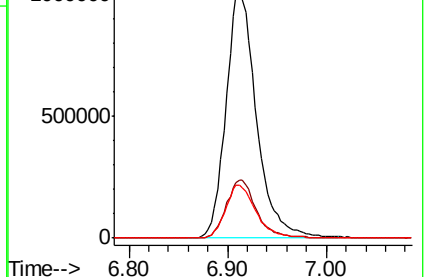
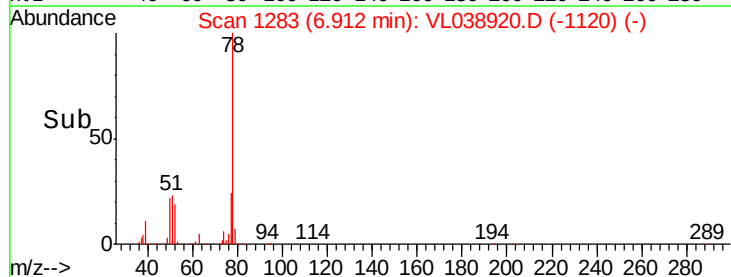
50 21.8 14.0 21.0#

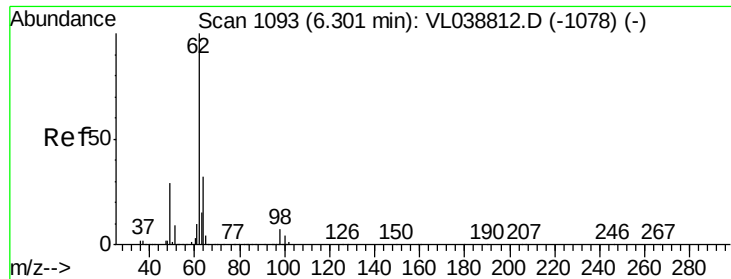


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

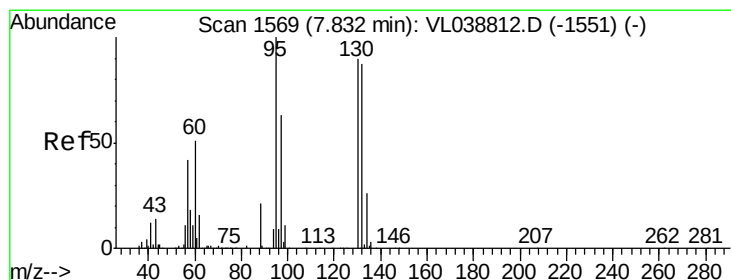
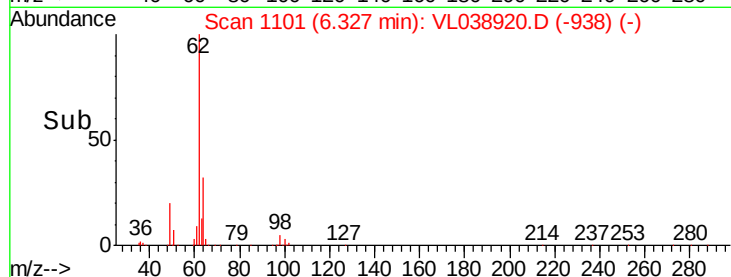
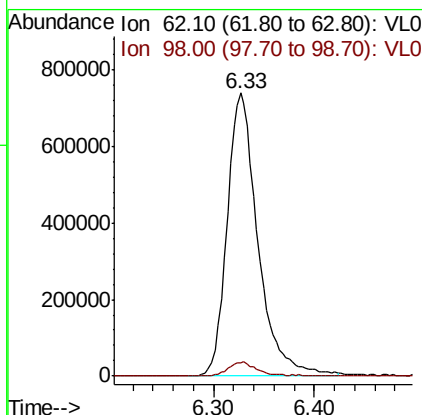
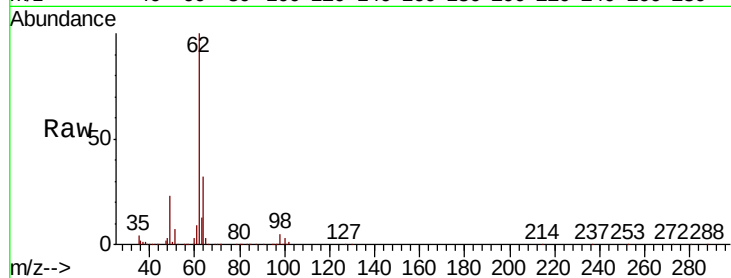
Ion 50.10 (49.80 to 50.80): VL0





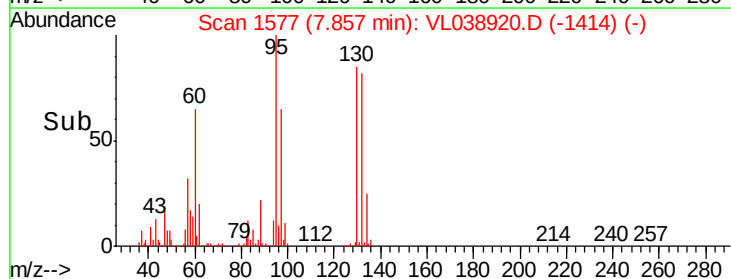
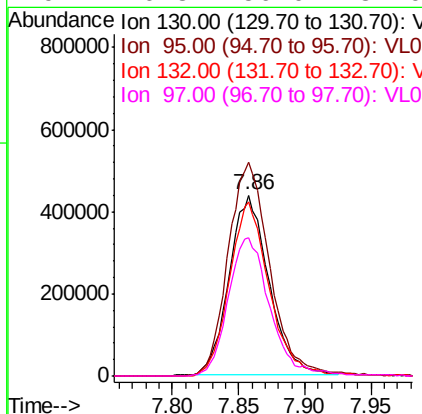
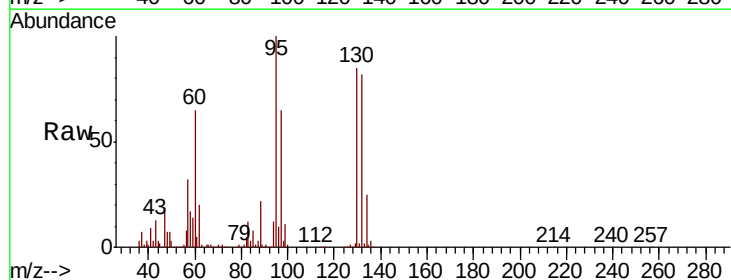
#37
 1,2-Dichloroethane
 Concen: 14.452 ppbv
 RT: 6.33
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0414ABS01
 Acq: 14 Apr 2022 16:14

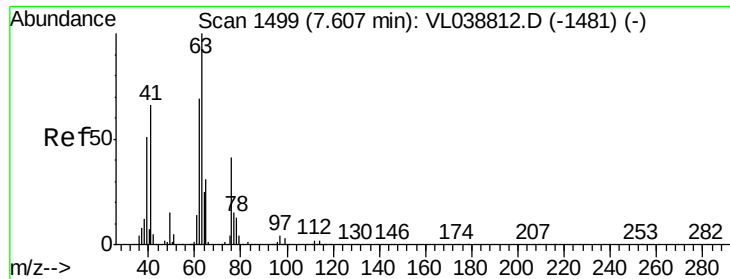
Tot Ion: 62 Resp: 1572360
 Ion Ratio Lower Upper
 62 100
 98 4.9 5.9 8.9#



#38
 Trichloroethene
 Concen: 9.340 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.03 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

Tgt Ion:130 Resp: 911989
 Ion Ratio Lower Upper
 130 100
 95 118.7 89.4 134.0
 132 96.8 77.7 116.5
 97 76.8 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.561 ppbv

RT: 7.64 Instrument:

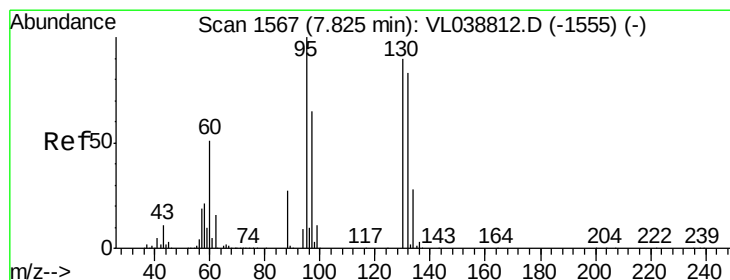
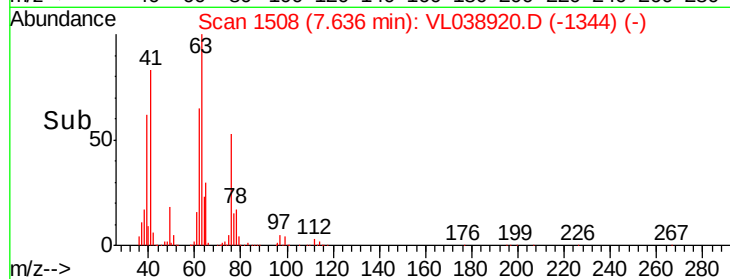
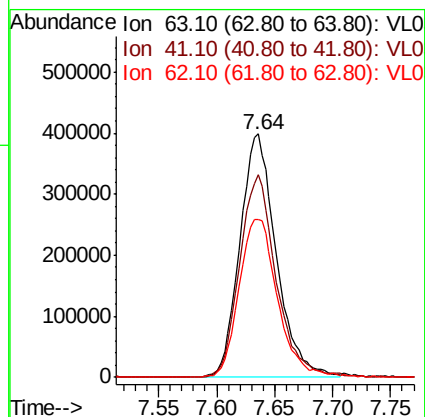
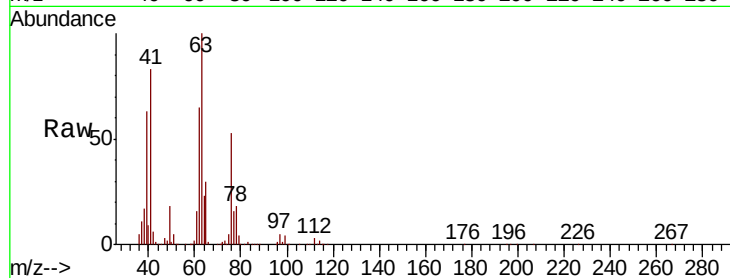
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:14

Tot Ion: 63 Resp: 870231

Ion	Ratio	Lower	Upper
63	100		
41	83.1	53.0	79.6#
62	64.6	55.0	82.4



#40

1,4-Dioxane

Concen: 9.919 ppbv

RT: 7.85 min Scan# 1575

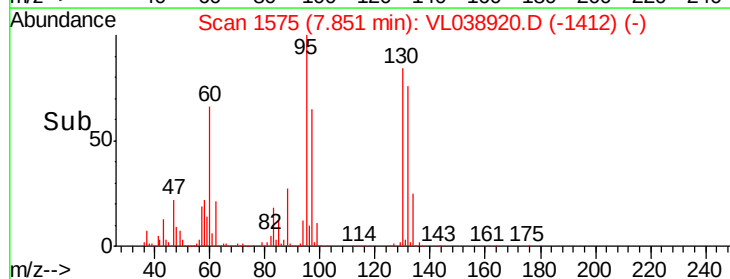
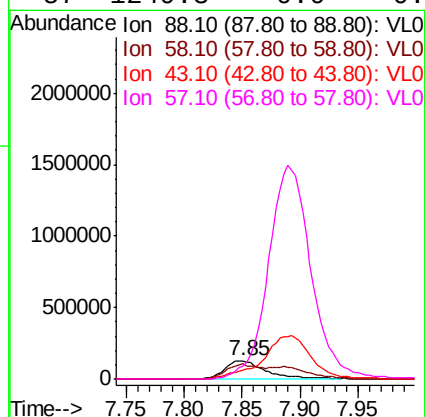
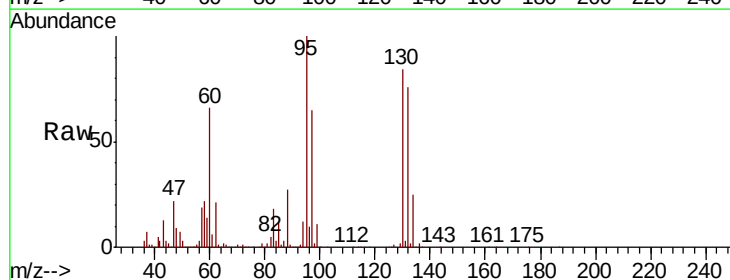
Delta R.T. 0.03 min

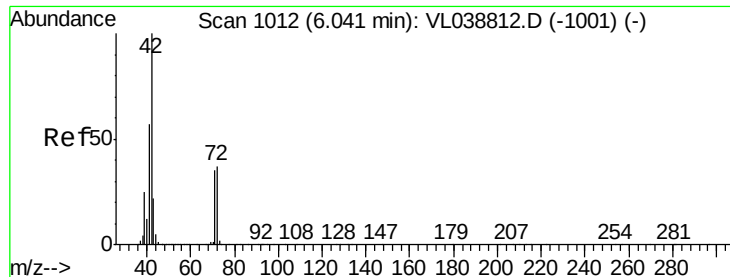
Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

Tgt Ion: 88 Resp: 306568

Ion	Ratio	Lower	Upper
88	100		
58	136.4	49.4	74.0#
43	286.3	0.0	0.0#
57	1249.3	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.166 ppbv

RT: 6.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:14

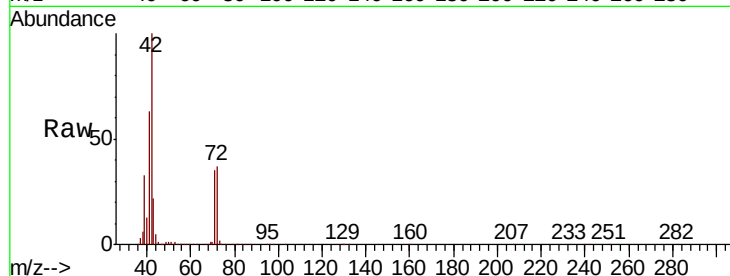
Tot Ion: 42 Resp: 899822

Ion Ratio Lower Upper

42 100

72 38.8 31.4 47.0

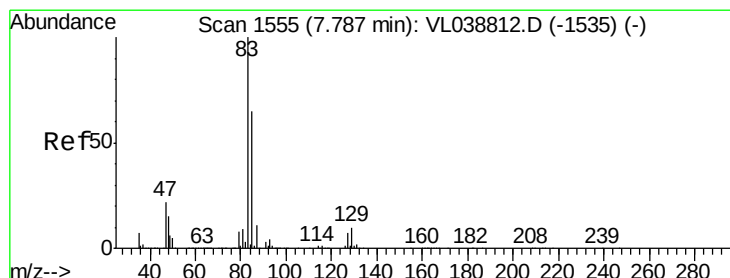
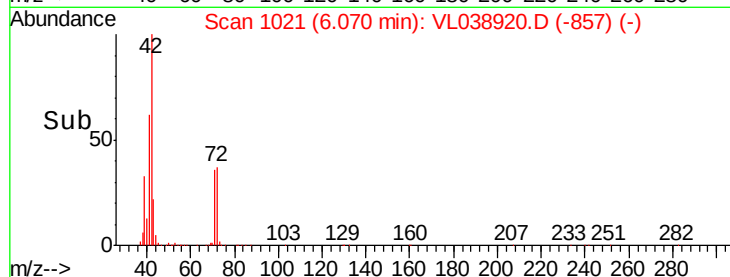
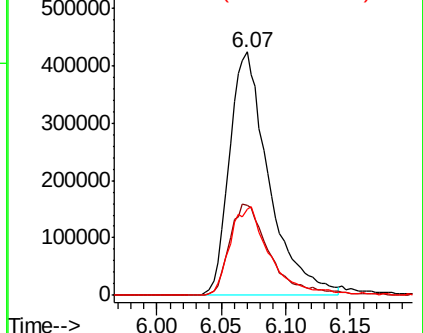
71 37.8 30.2 45.4



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: 11.952 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.03 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

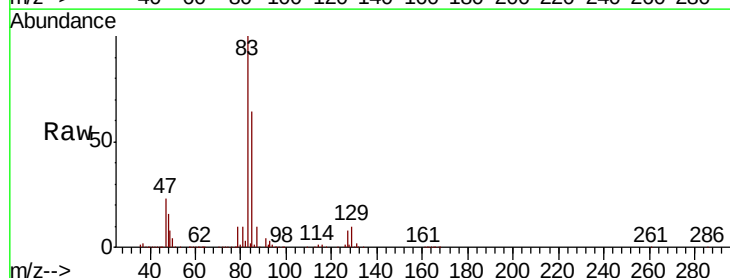
Tgt Ion: 83 Resp: 2053412

Ion Ratio Lower Upper

83 100

85 64.2 51.7 77.5

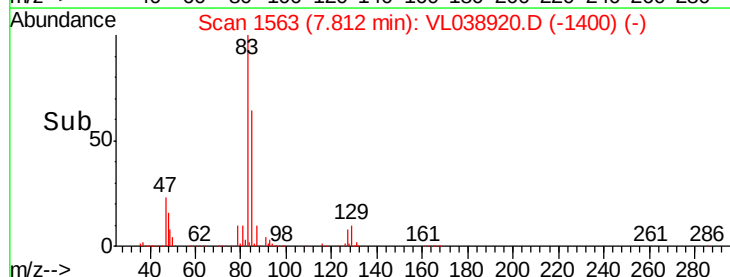
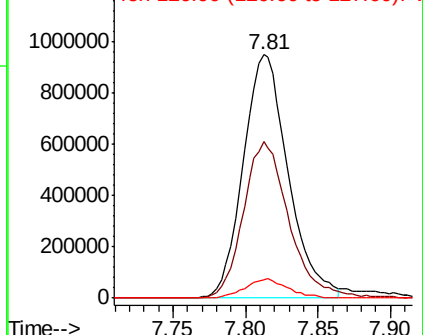
127 7.6 5.9 8.9

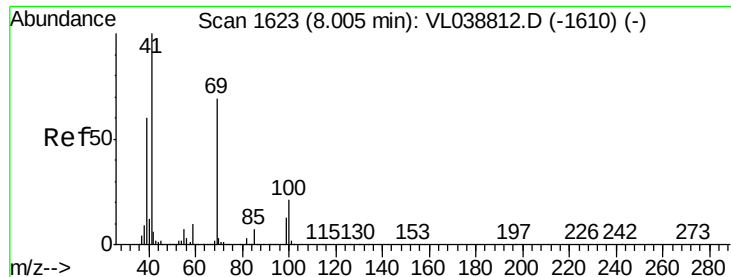


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.297 ppbv

RT: 8.03 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0414ABS01

Acq: 14 Apr 2022 16:14

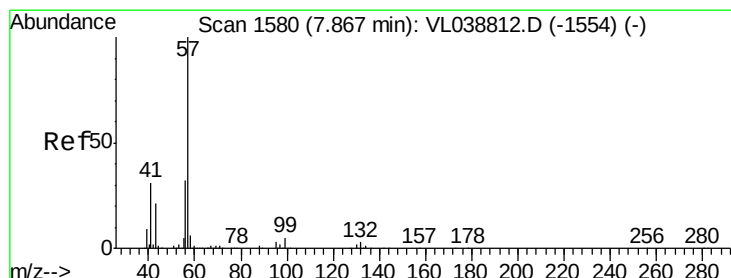
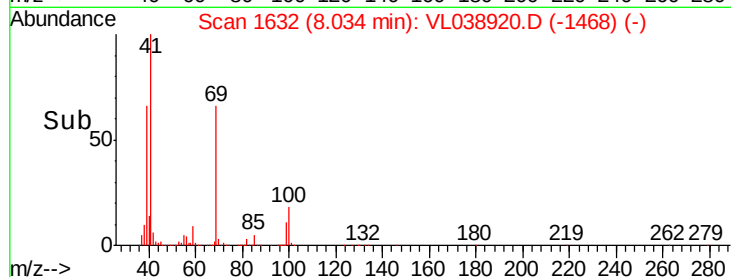
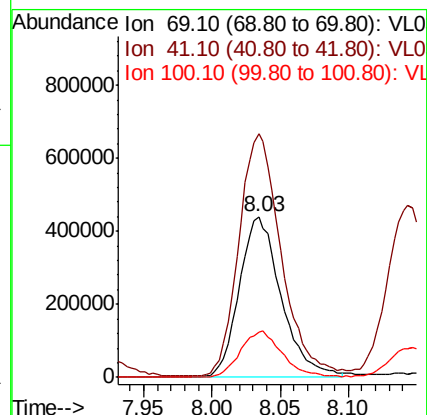
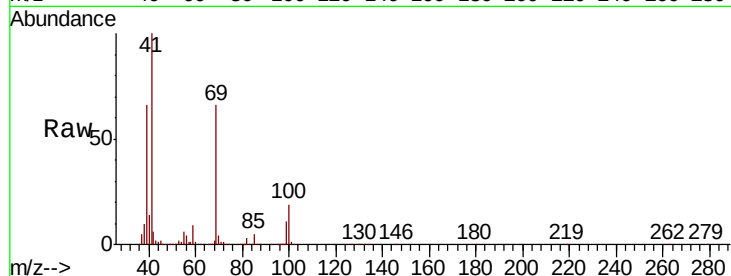
Tot Ion: 69 Resp: 938454

Ion Ratio Lower Upper

69 100

41 154.1 119.0 178.4

100 29.1 26.4 39.6



#44

2,2,4-Trimethylpentane

Concen: 9.441 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. 0.02 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

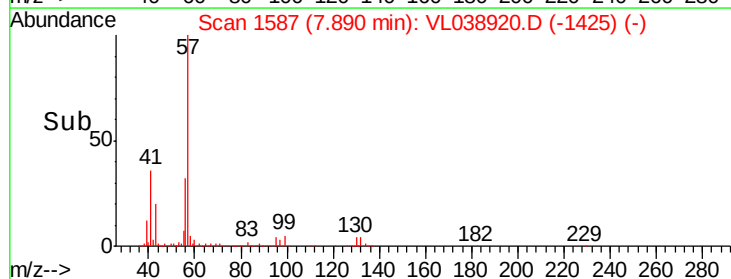
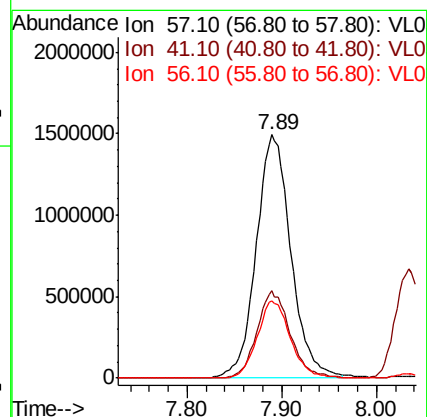
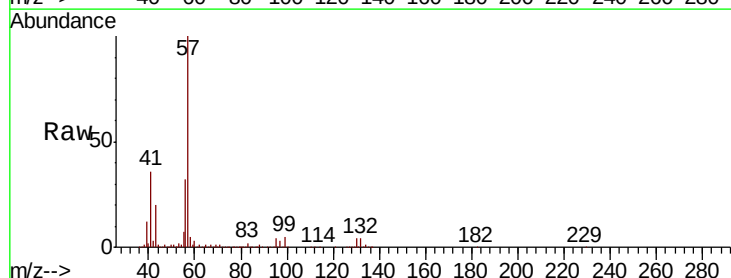
Tgt Ion: 57 Resp: 3803762

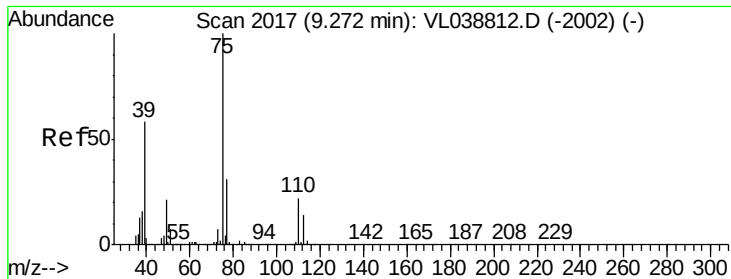
Ion Ratio Lower Upper

57 100

41 34.1 25.0 37.4

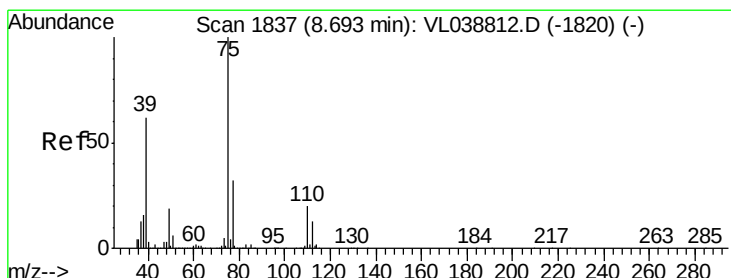
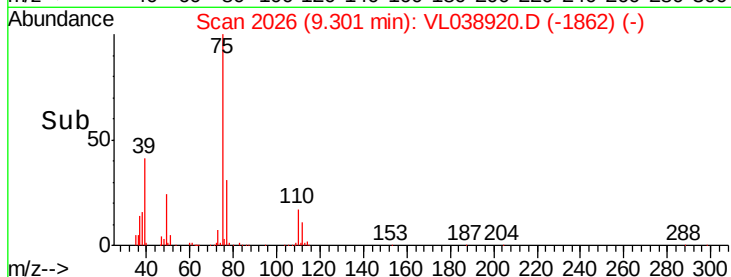
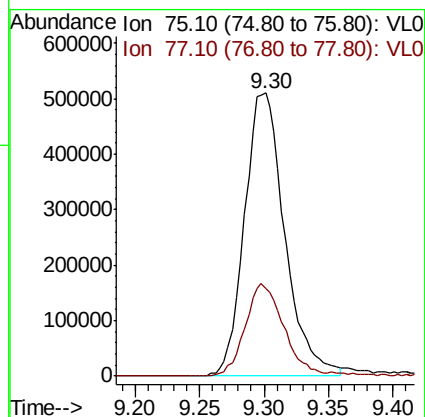
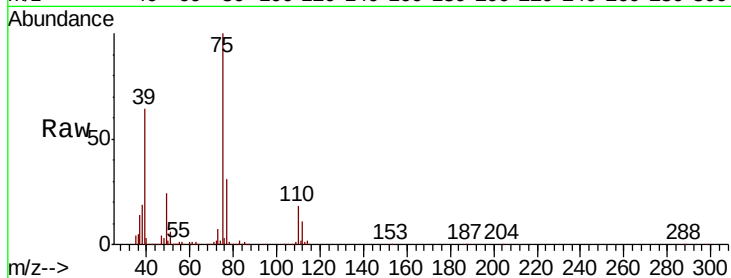
56 30.6 25.3 37.9





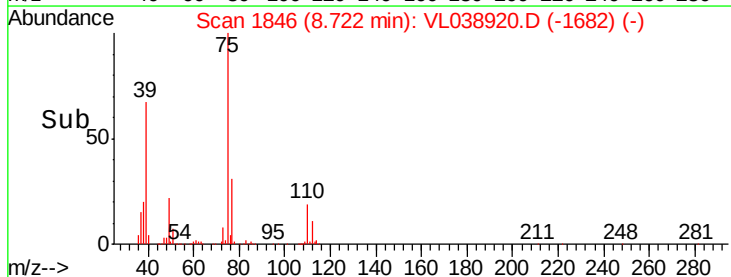
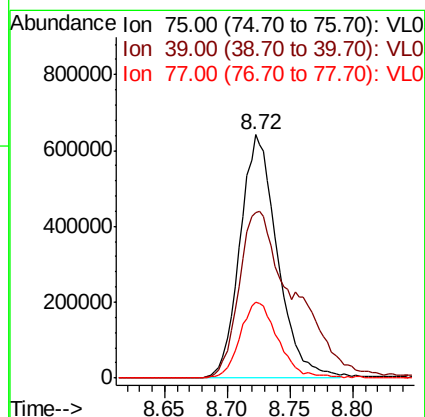
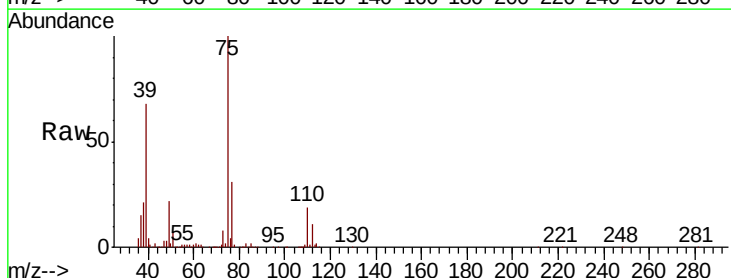
#45
t-1,3-Dichloropropene
Concen: 11.650 ppbv
RT: 9.30
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0414ABS01
Acq: 14 Apr 2022 16:14

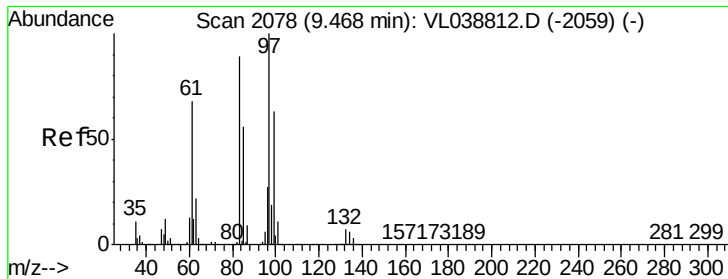
Tot Ion: 75 Resp: 1110234
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4



#46
cis-1,3-Dichloropropene
Concen: 10.583 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.03 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

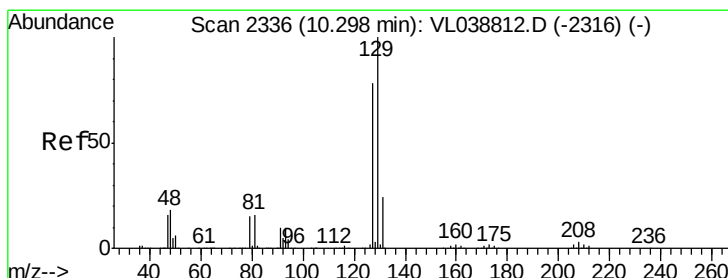
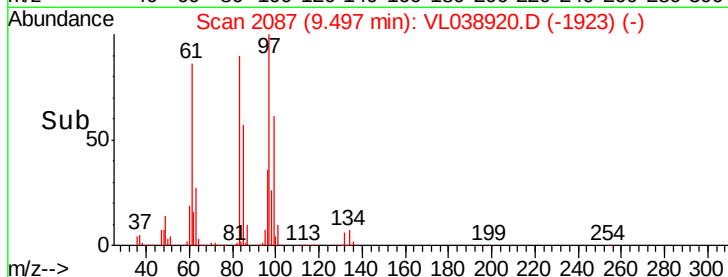
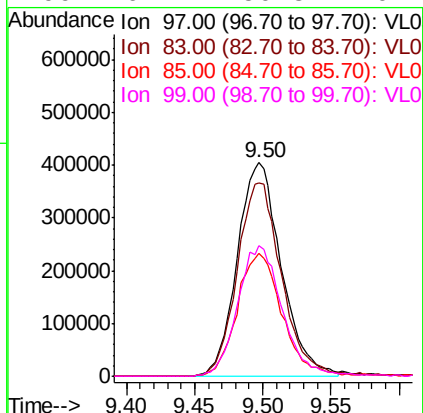
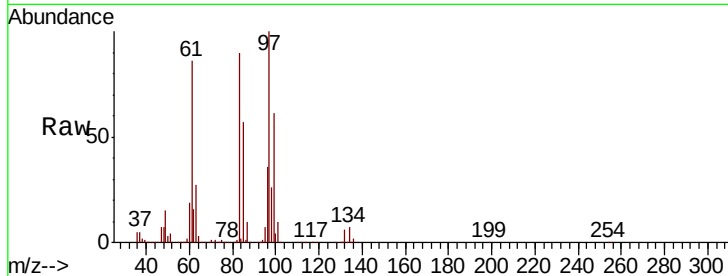
Tgt Ion: 75 Resp: 1329796
Ion Ratio Lower Upper
75 100
39 68.0 49.7 74.5
77 31.1 25.6 38.4





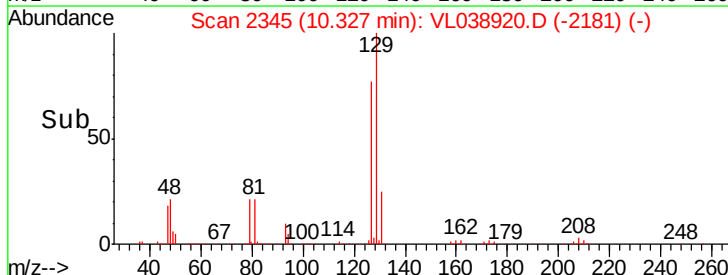
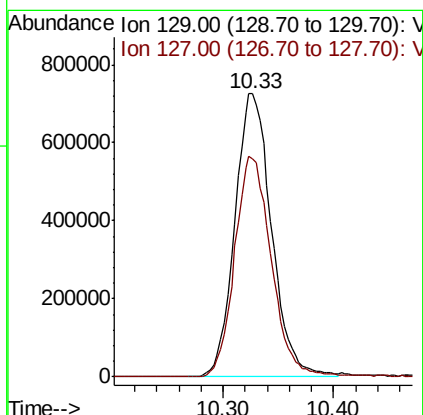
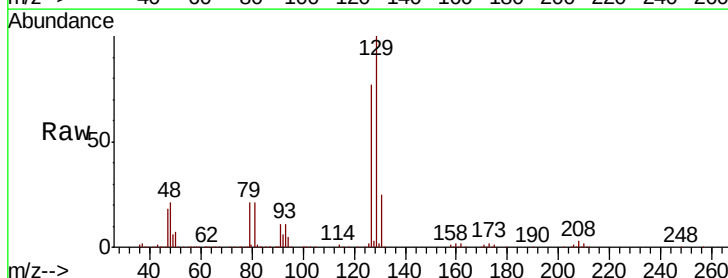
#47
 1,1,2-Trichloroethane
 Concen: 9.675 ppbv
 RT: 9.50
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0414ABS01
 Acq: 14 Apr 2022 16:14

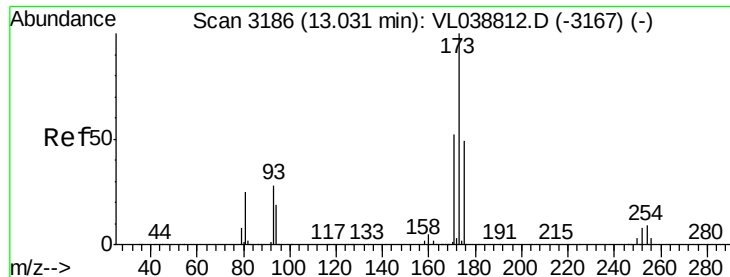
Tot Ion:	97	Resp:	902322
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.1	106.7
85	57.3	45.1	67.7
99	61.1	50.8	76.2



#48
 Dibromochloromethane
 Concen: 11.425 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.03 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

Tgt Ion:	129	Resp:	1670015
Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.9	116.6





#49

Bromoform

Concen: 12.014 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Apr 2022 16:14

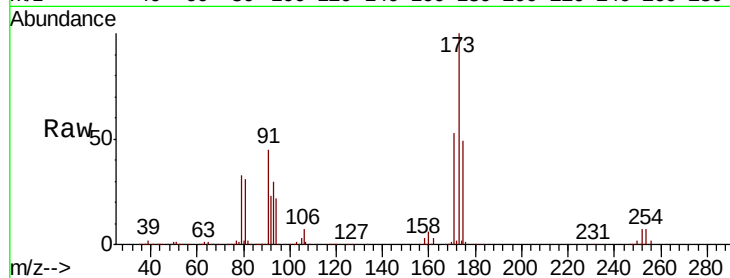
Tot Ion:173 Resp: 1390921

Ion Ratio Lower Upper

173 100

175 49.7 39.9 59.9

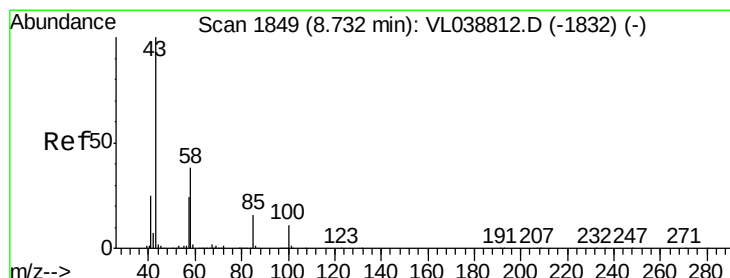
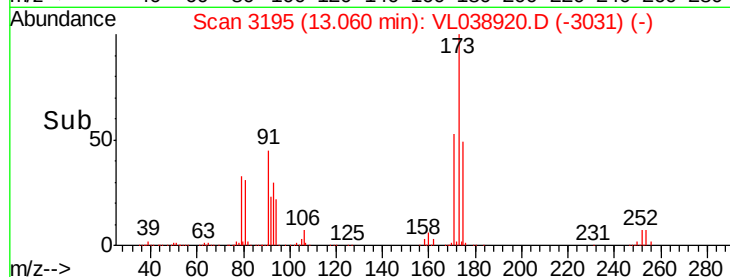
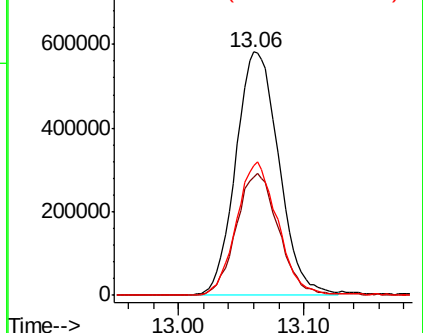
171 52.7 43.4 65.0



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: 10.287 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.03 min

Lab File: VL038920.D

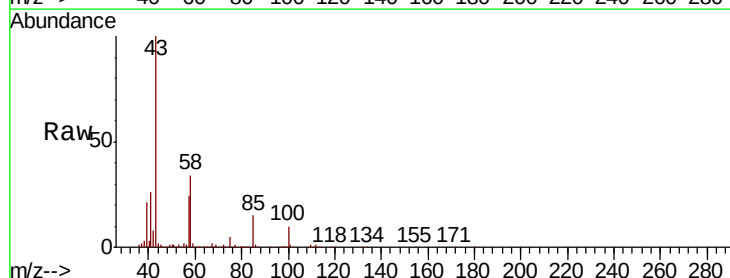
Acq: 14 Apr 2022 16:14

Tgt Ion: 43 Resp: 2391702

Ion Ratio Lower Upper

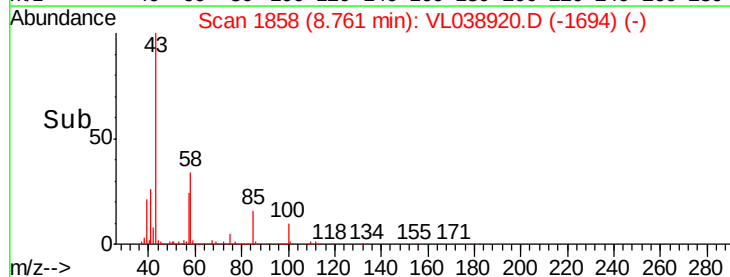
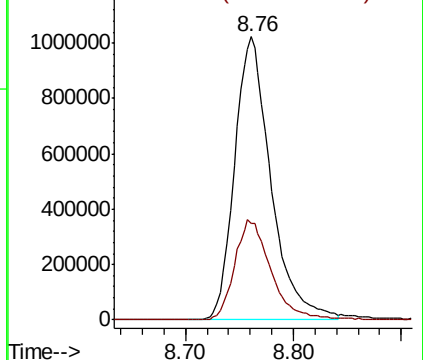
43 100

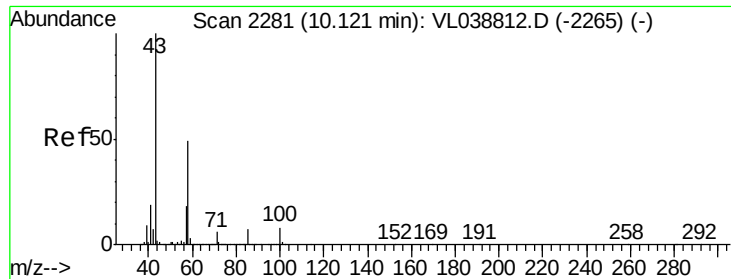
58 35.7 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

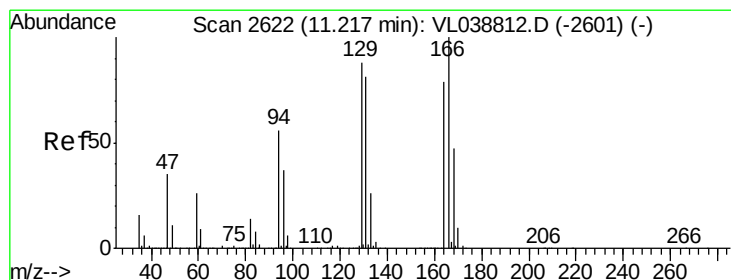
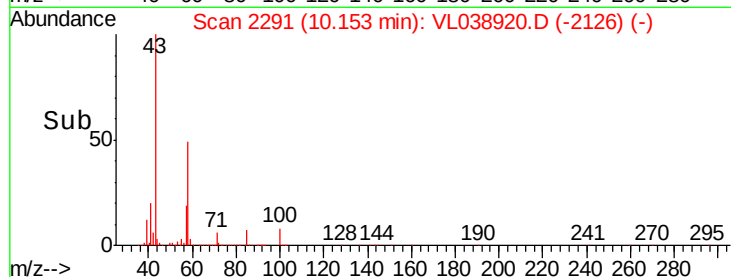
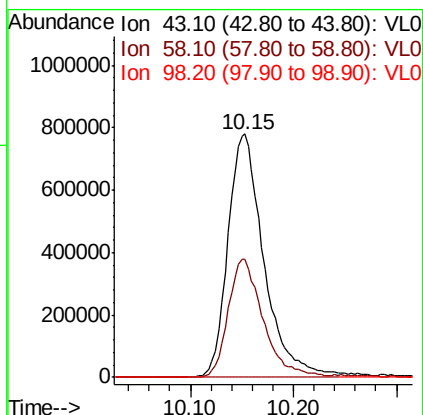
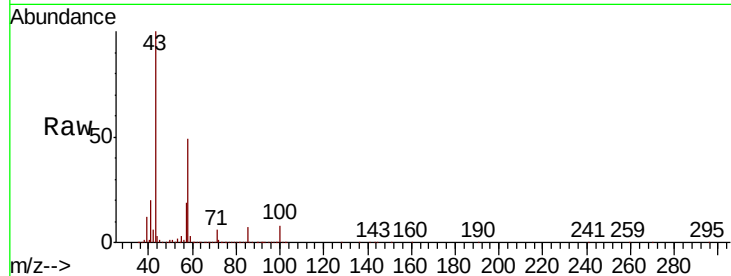
Ion 58.10 (57.80 to 58.80): VL0





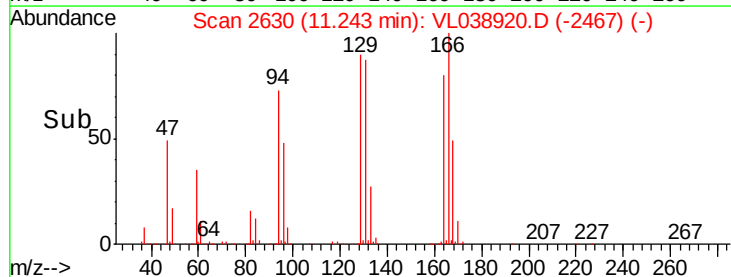
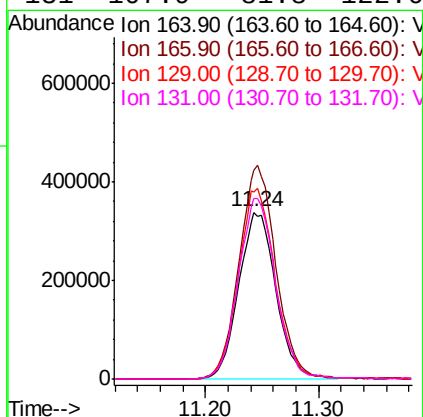
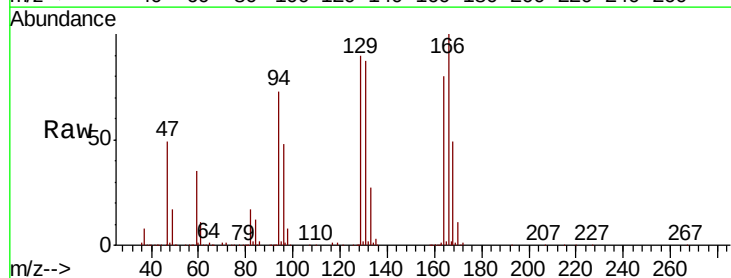
#51
2-Hexanone
Concen: 10.806 ppbv
RT: 10.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0414ABS01
Acq: 14 Apr 2022 10:14

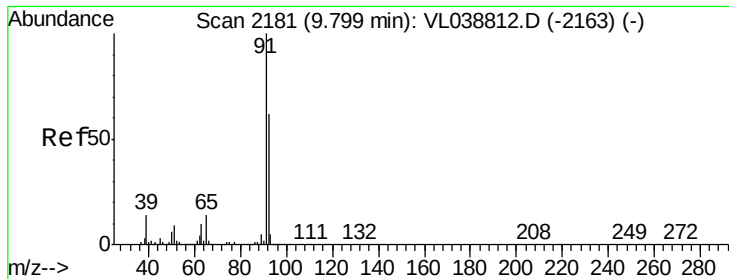
Tot Ion: 43 Resp: 1893049
Ion Ratio Lower Upper
43 100
58 48.1 41.4 62.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.294 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.03 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

Tgt Ion: 164 Resp: 772526
Ion Ratio Lower Upper
164 100
166 124.8 101.0 151.6
129 112.2 88.7 133.1
131 107.9 81.8 122.6





#53

Toluene

Concen: 9.307 ppbv

RT: 9.83 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

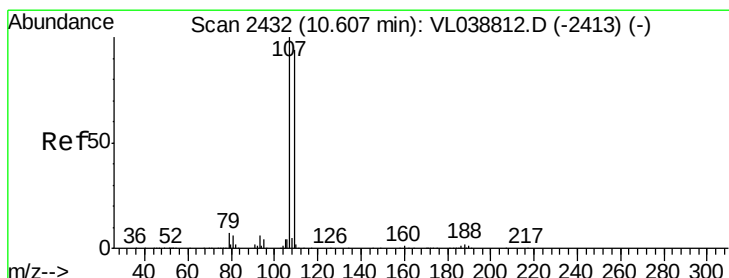
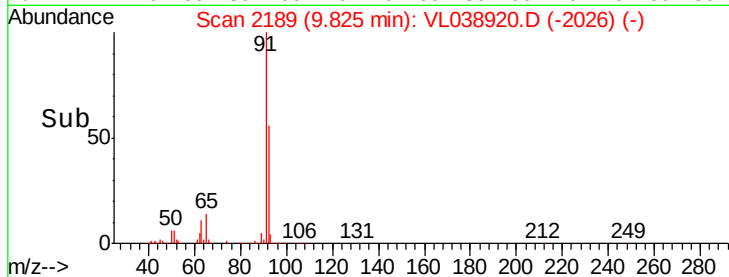
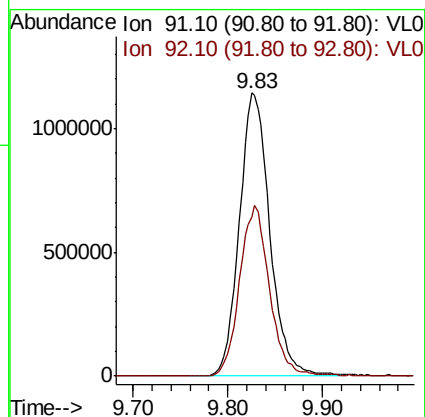
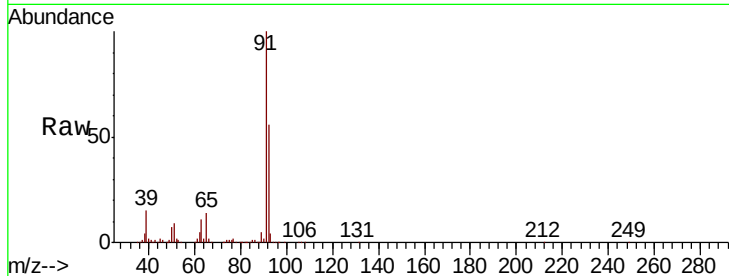
Acq: 14 Apr 2022 16:14

Tot Ion: 91 Resp: 2556800

Ion Ratio Lower Upper

91 100

92 59.7 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.374 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.03 min

Lab File: VL038920.D

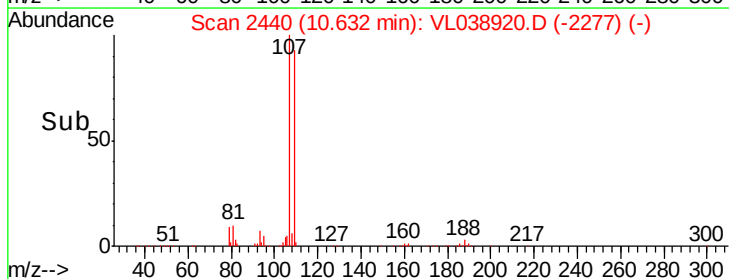
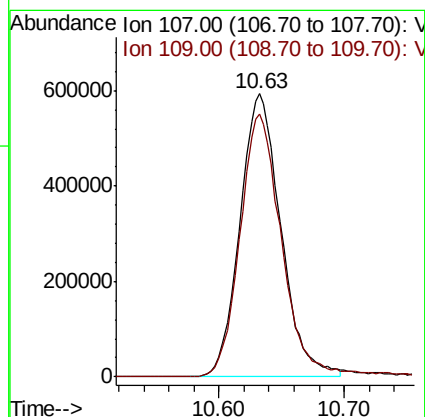
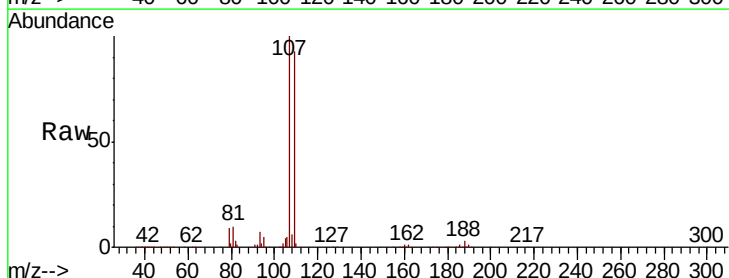
Acq: 14 Apr 2022 16:14

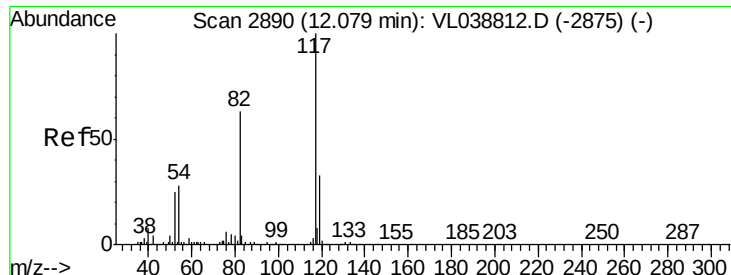
Tgt Ion:107 Resp: 1343980

Ion Ratio Lower Upper

107 100

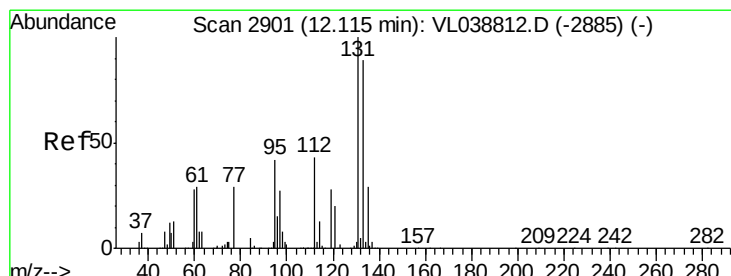
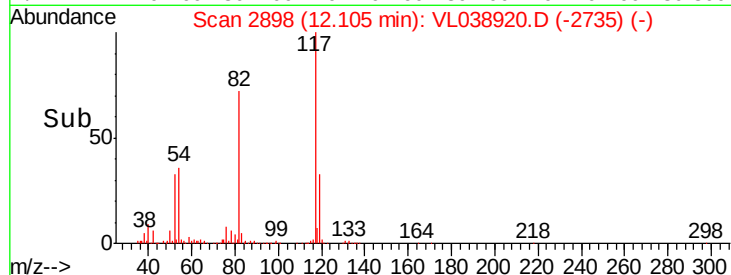
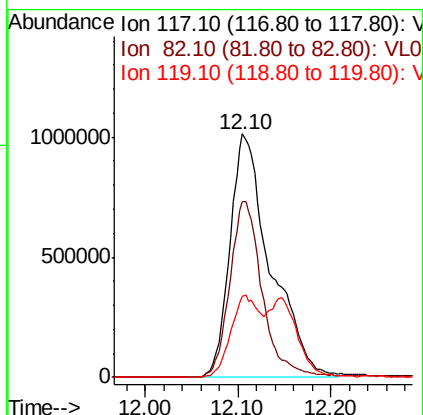
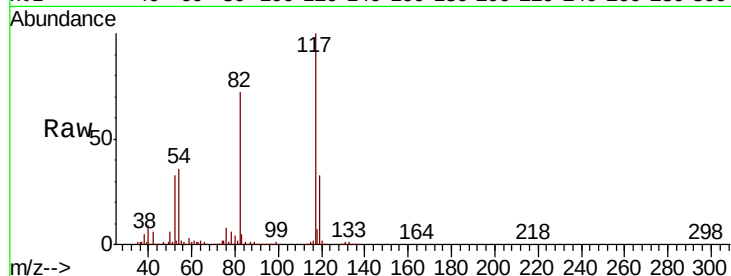
109 92.9 75.5 113.3





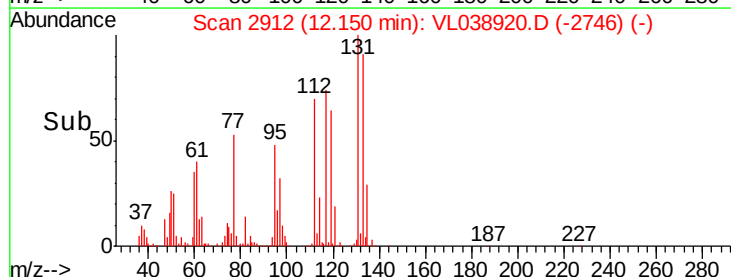
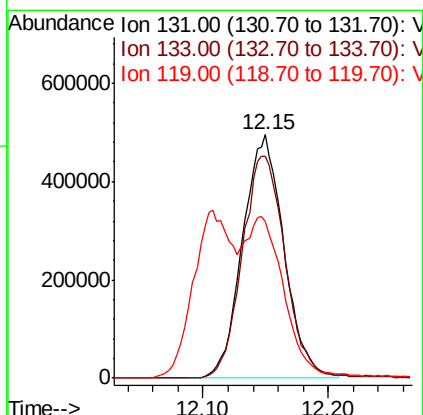
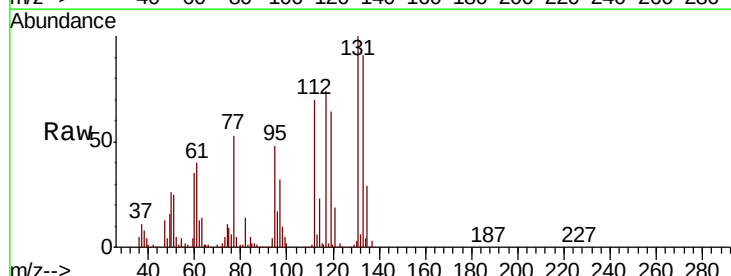
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0414ABS01
Acq: 14 Apr 2022 16:14

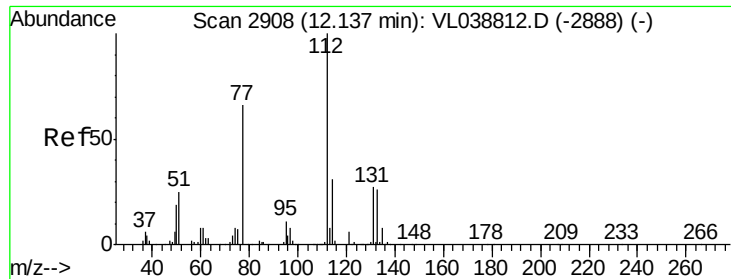
Tot Ion:117 Resp: 3083137
Ion Ratio Lower Upper
117 100
82 59.2 53.0 79.6
119 25.7 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 8.376 ppbv
RT: 12.15 min Scan# 2912
Delta R.T.: 0.04 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

Tgt Ion:131 Resp: 1131737
Ion Ratio Lower Upper
131 100
133 95.8 78.2 117.4
119 59.5 58.6 87.8





#57

Chlorobenzene

Concen: 7.391 ppbv

RT: 12.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:14

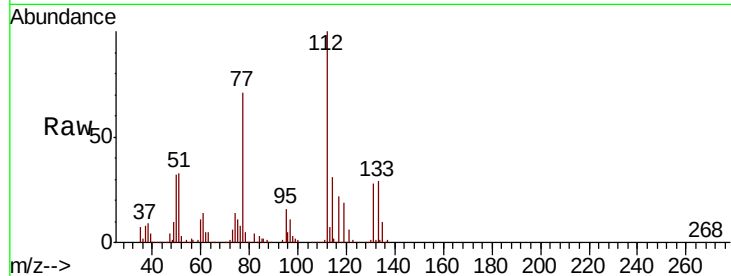
Tot Ion: 112 Resp: 1866294

Ion Ratio Lower Upper

112 100

77 70.5 52.4 78.6

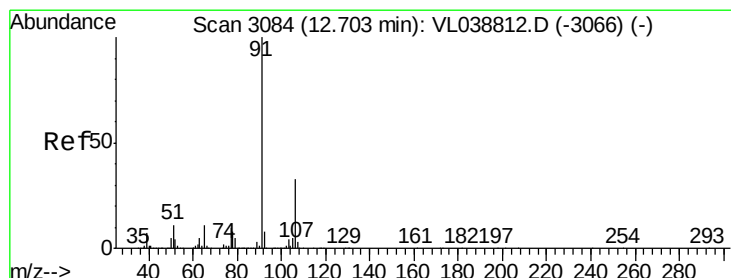
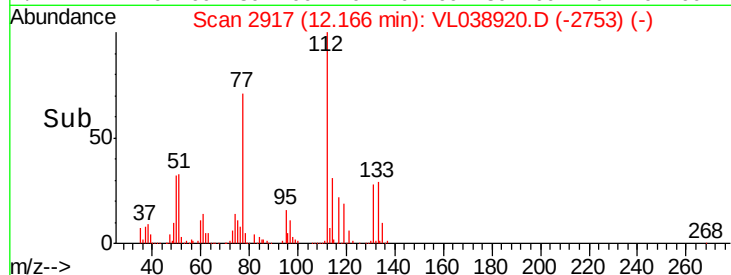
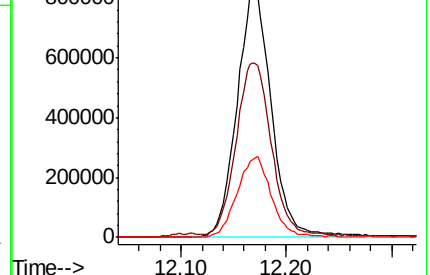
114 31.2 28.1 34.3



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: 7.711 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.03 min

Lab File: VL038920.D

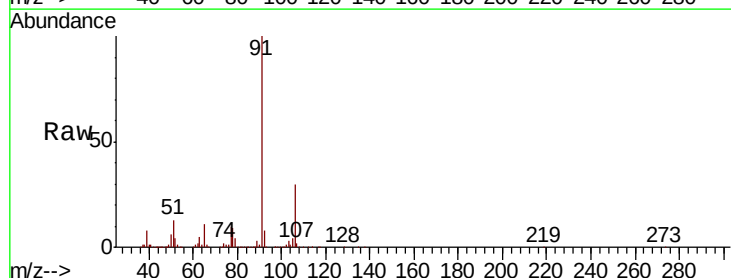
Acq: 14 Apr 2022 16:14

Tgt Ion: 91 Resp: 3552278

Ion Ratio Lower Upper

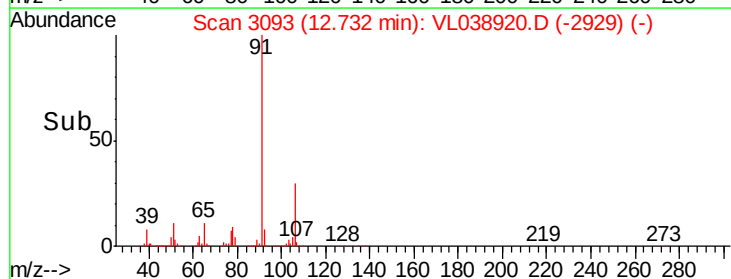
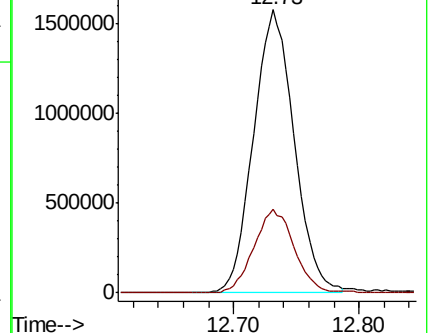
91 100

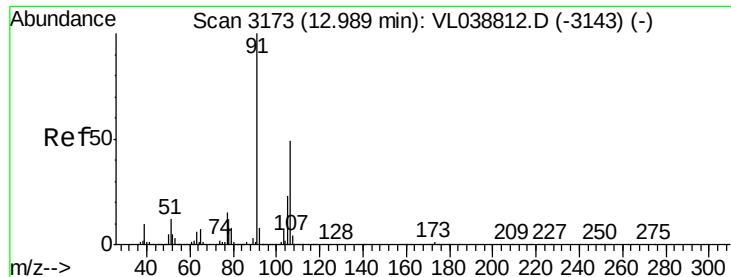
106 29.7 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

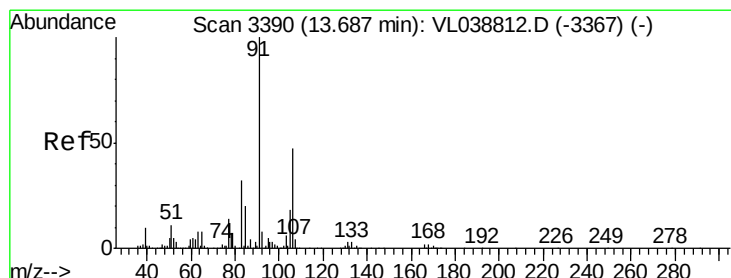
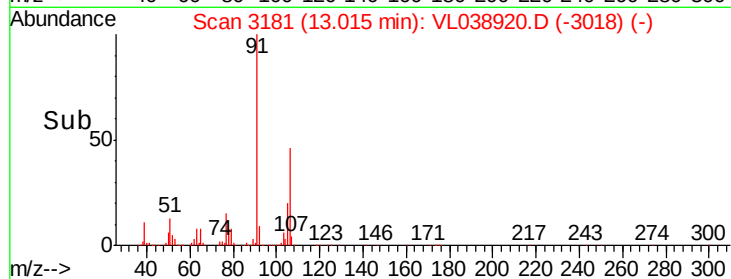
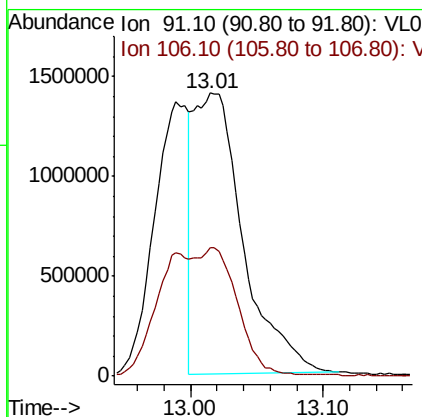
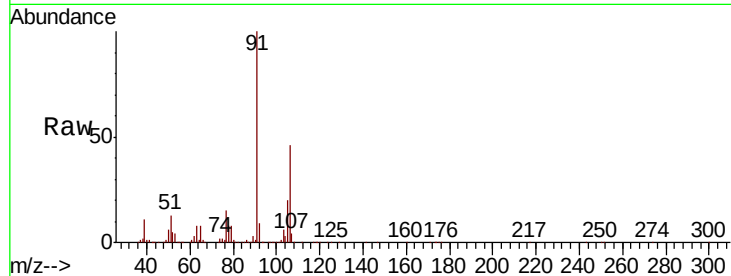
Ion 106.10 (105.80 to 106.80): V





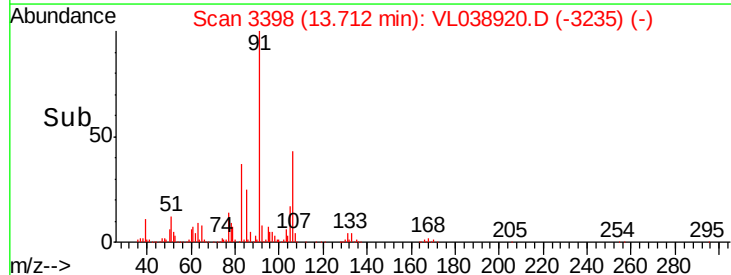
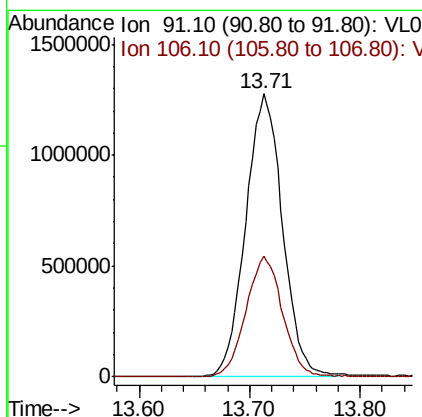
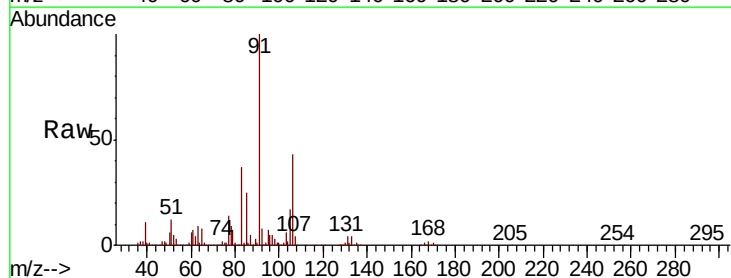
#59
m/p-Xylene
Concen: 9.344 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0414ABS01
Acq: 14 Apr 2022 16:14

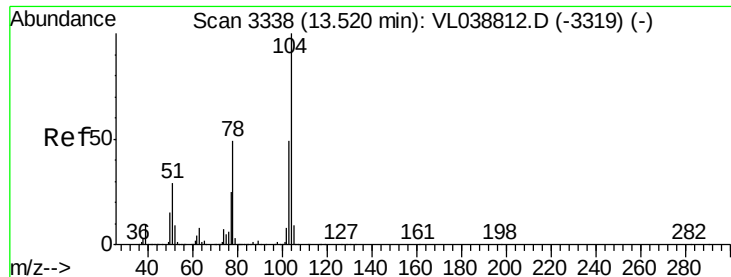
Tot Ion: 91 Resp: 3616598
Ion Ratio Lower Upper
91 100
106 70.7 37.1 55.7#



#60
o-Xylene
Concen: 8.161 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.03 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

Tgt Ion: 91 Resp: 2955735
Ion Ratio Lower Upper
91 100
106 42.8 23.8 71.4

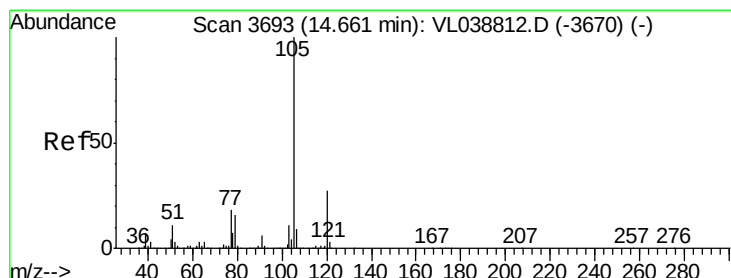
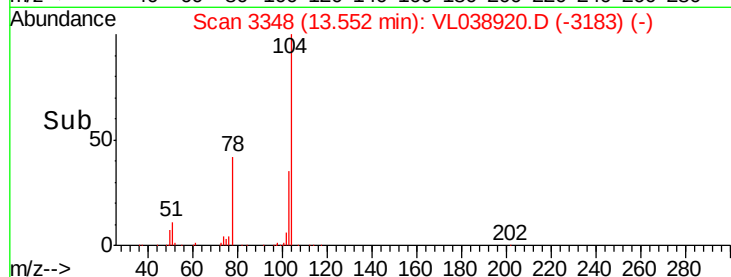
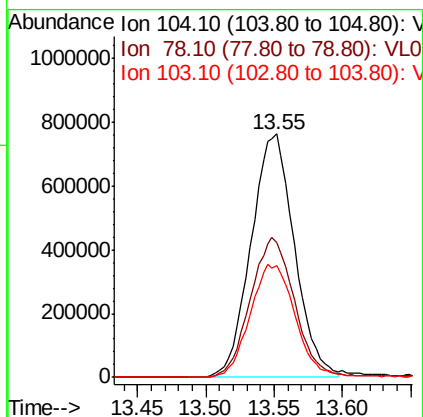
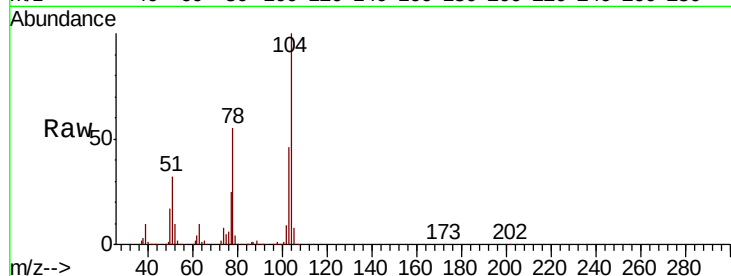




#61
Stvrene
Concen: 7.642 ppbv
RT: 13.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0414ABS01
Acq: 14 Apr 2022 16:14

Tot Ion:104 Resp: 1686287

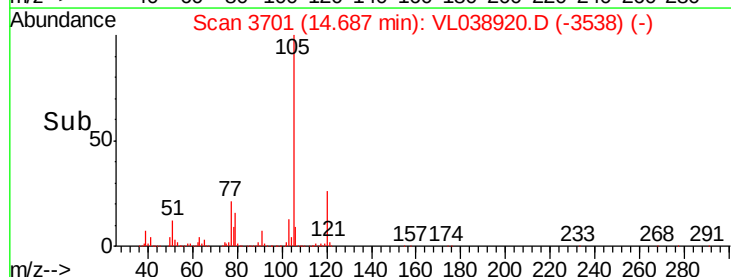
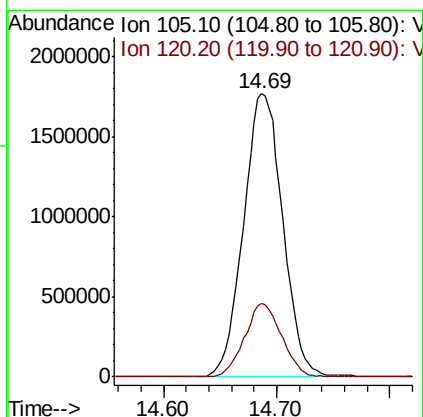
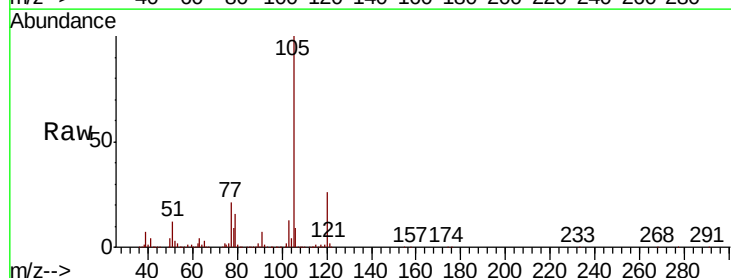
Ion	Ratio	Lower	Upper
104	100		
78	59.0	40.5	60.7
103	48.5	39.0	58.4

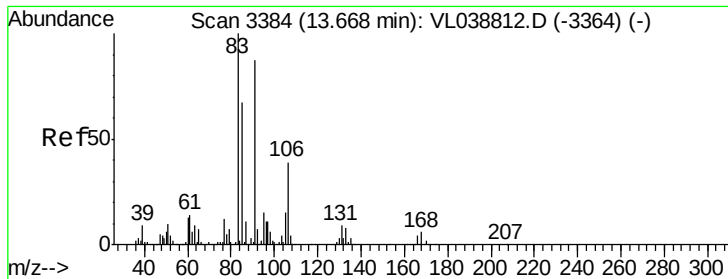


#62
Isopropylbenzene
Concen: 7.825 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.03 min
Lab File: VL038920.D
Acq: 14 Apr 2022 16:14

Tgt Ion:105 Resp: 4253699

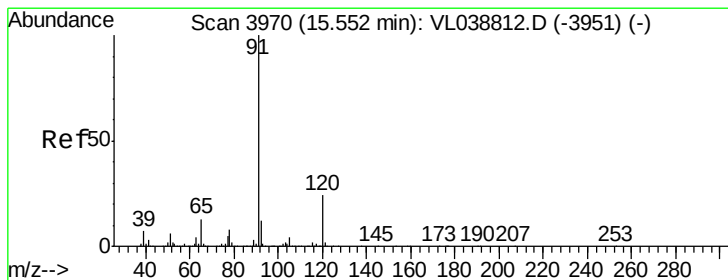
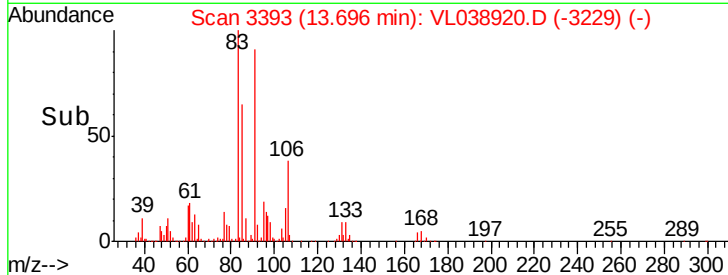
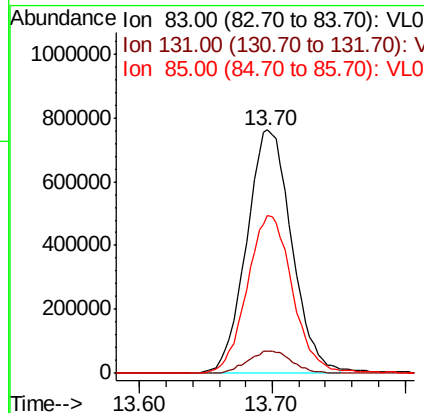
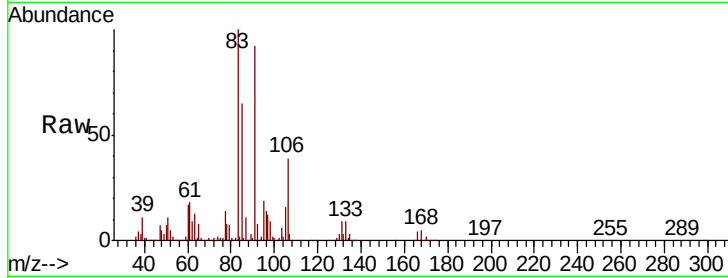
Ion	Ratio	Lower	Upper
105	100		
120	24.7	21.8	32.8





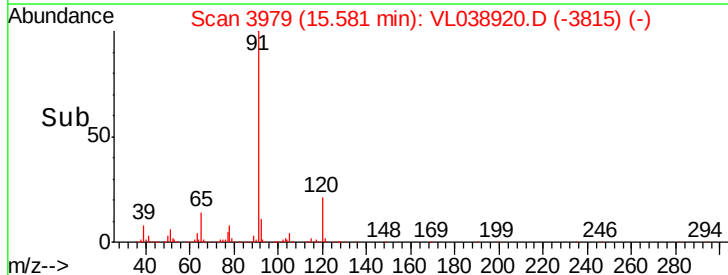
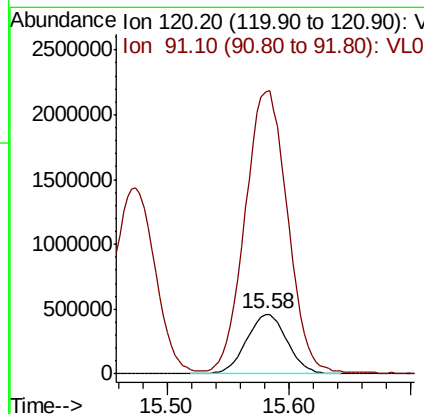
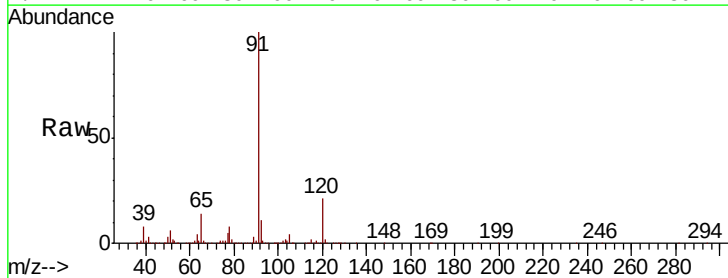
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.865 ppbv
 RT: 13.70 min
 Delta R.T. 0.03 min
 Lab File: VL0414ABS01
 Acq: 14 Apr 2022 16:14

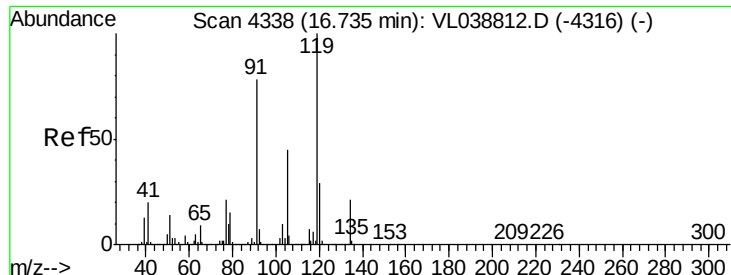
Tot Ion: 83 Resp: 1804141
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.6 13.8
 85 66.0 33.0 99.0



#64
 n-propylbenzene
 Concen: 7.562 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.03 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

Tgt Ion: 120 Resp: 1067378
 Ion Ratio Lower Upper
 120 100
 91 497.4 360.6 540.8





#65

tert-Butylbenzene

Concen: 7.679 ppbv

RT: 16.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0414ABS01

Acq: 14 Apr 2022 16:14

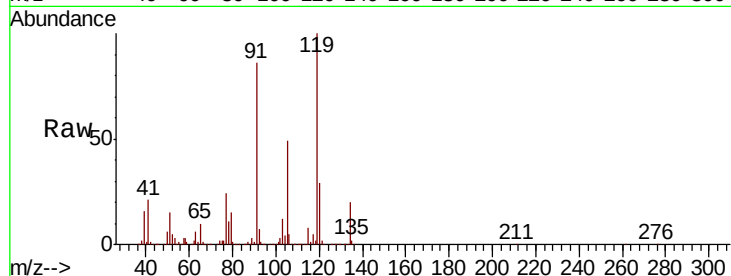
Tot Ion: 119 Resp: 3703529

Ion Ratio Lower Upper

119 100

91 89.7 62.8 94.2

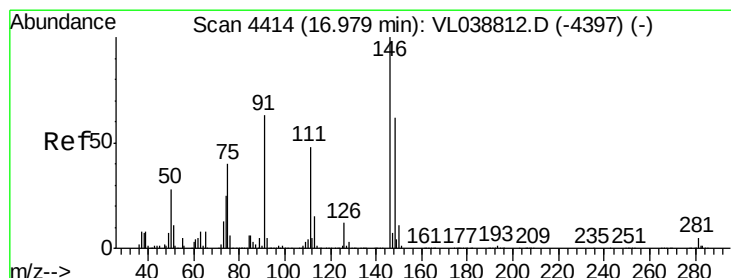
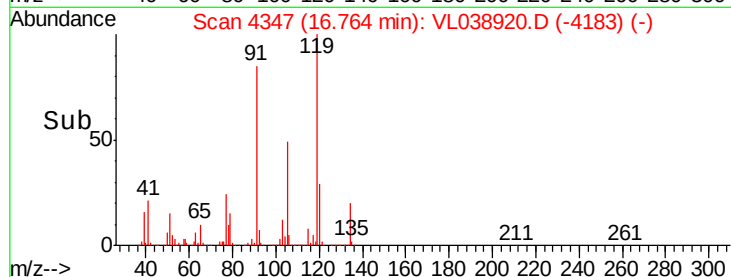
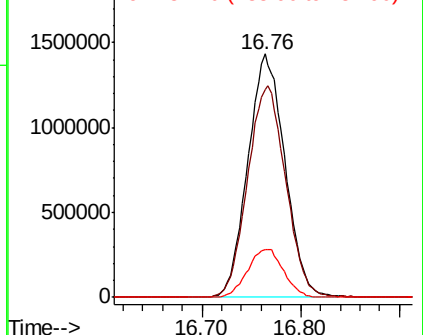
134 19.3 16.2 24.4



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: 7.442 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.03 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

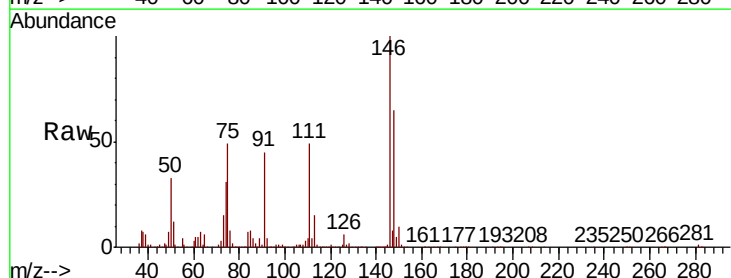
Tgt Ion: 91 Resp: 730718

Ion Ratio Lower Upper

91 100

126 15.2 15.4 23.0#

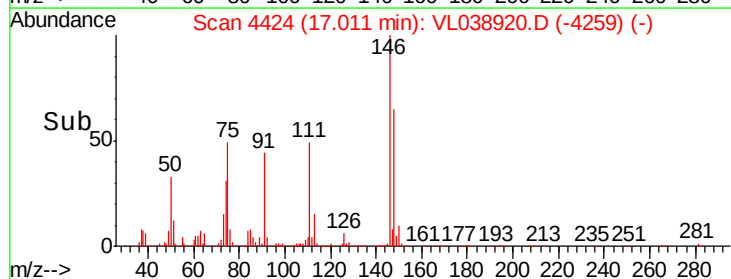
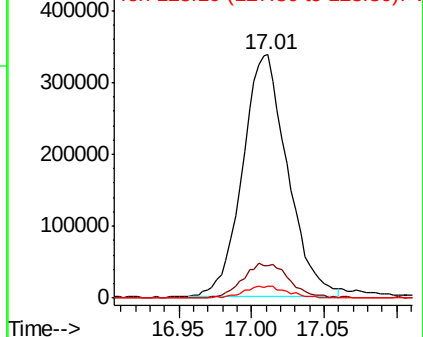
128 4.9 4.7 7.1

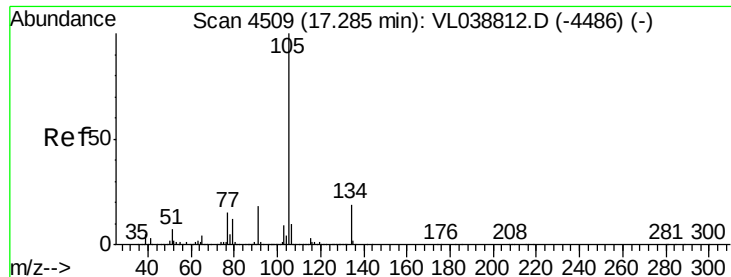


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.891 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

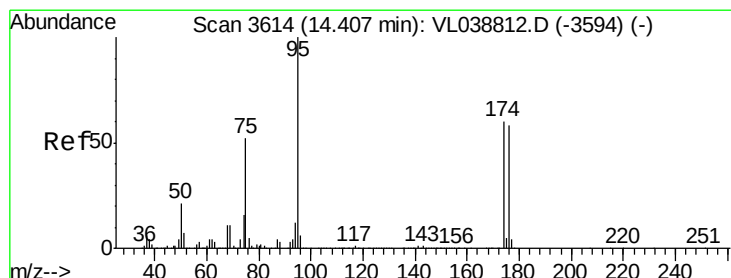
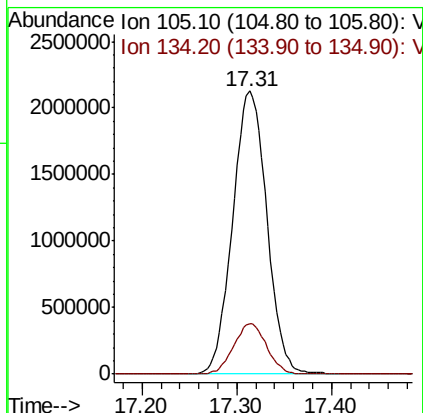
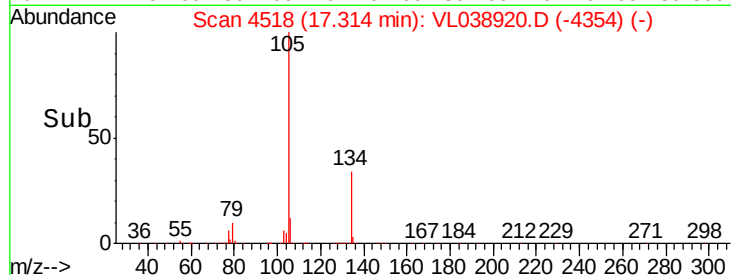
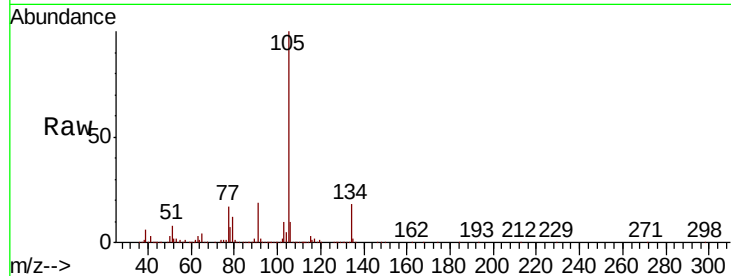
Acq: 14 Apr 2022 16:14

Tot Ion: 105 Resp: 5340497

Ion Ratio Lower Upper

105 100

134 17.3 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.303 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.03 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

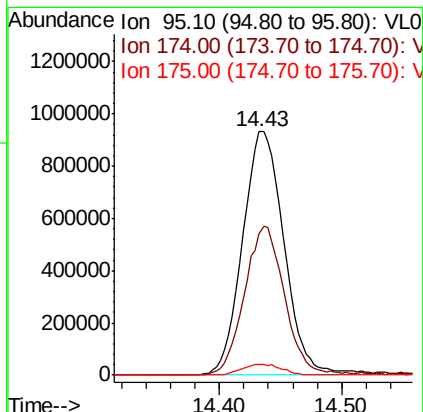
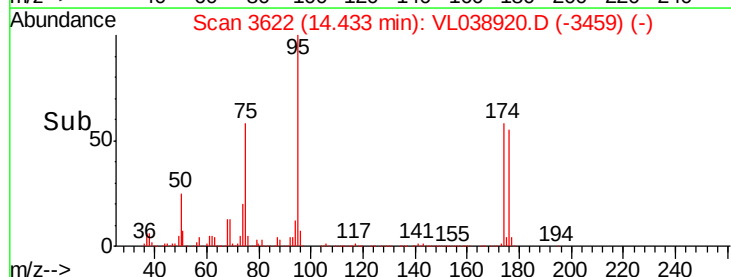
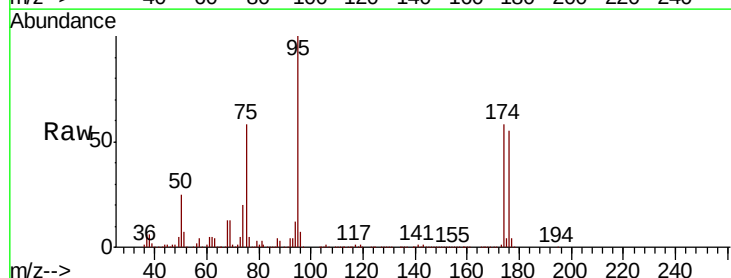
Tgt Ion: 95 Resp: 2175585

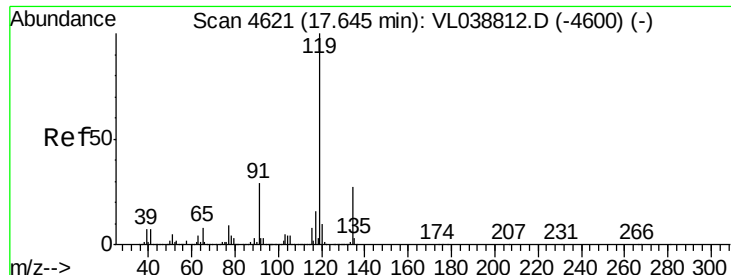
Ion Ratio Lower Upper

95 100

174 59.8 52.0 78.0

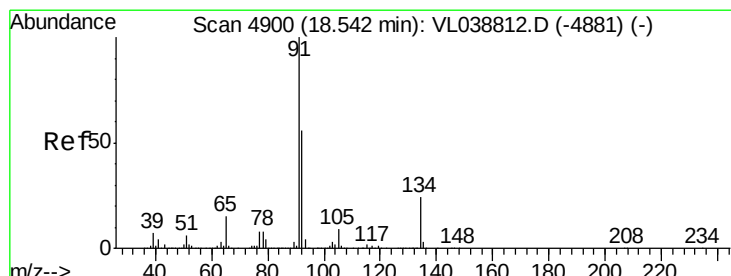
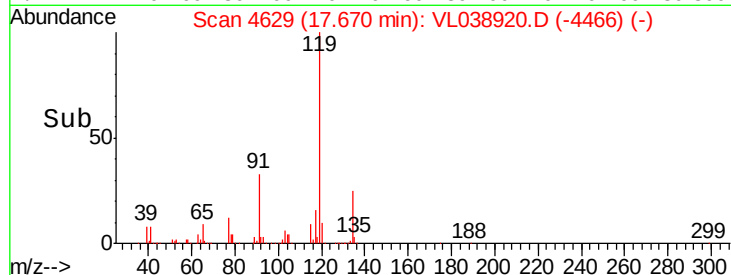
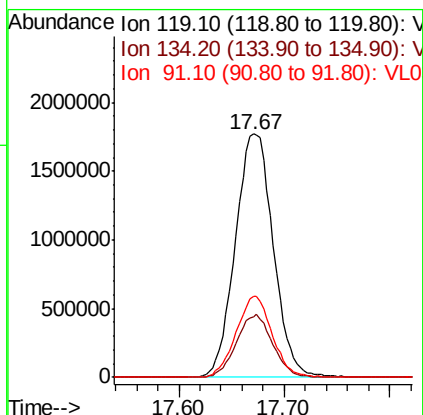
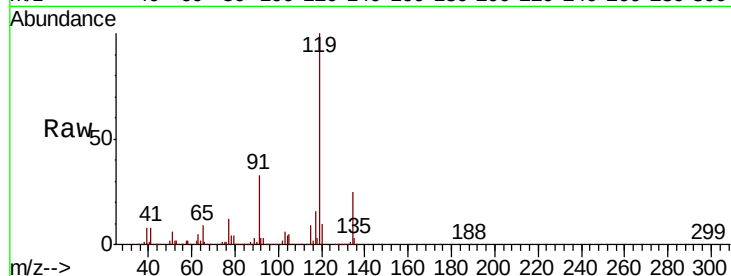
175 4.4 4.0 6.0





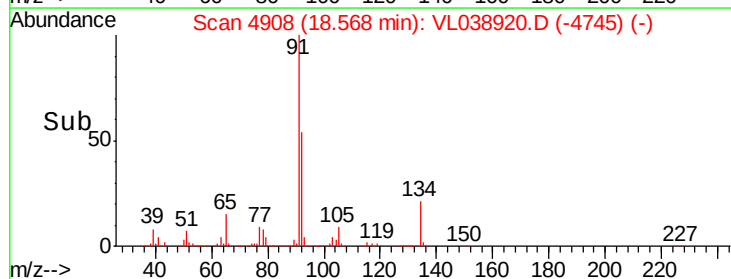
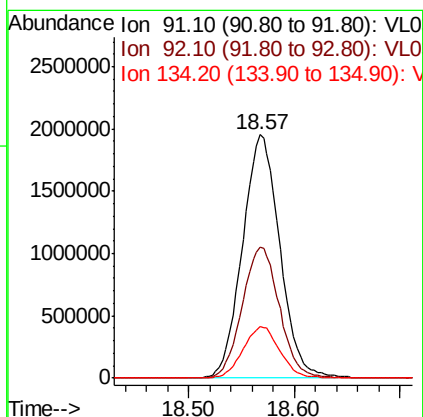
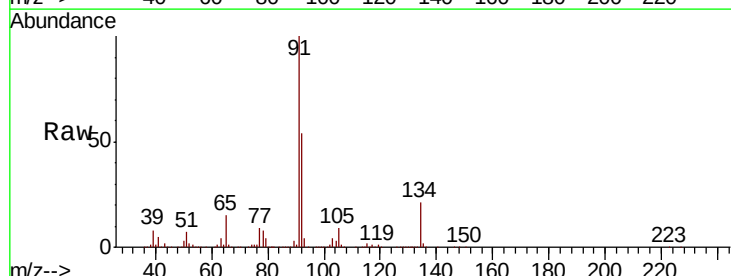
#69
 p-Isopropyltoluene
 Concen: 7.961 ppbv
 RT: 17.67 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0414ABS01
 Acq: 14 Apr 2022 16:14

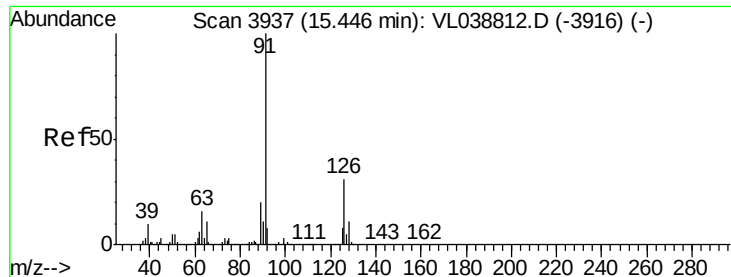
Tot Ion: 119 Resp: 4424237
 Ion Ratio Lower Upper
 119 100
 134 24.6 20.8 31.2
 91 31.7 22.6 34.0



#70
 n-Butylbenzene
 Concen: 8.590 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.03 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

Tgt Ion: 91 Resp: 4809142
 Ion Ratio Lower Upper
 91 100
 92 54.0 44.6 66.8
 134 21.0 19.2 28.8





#71

2-Chlorotoluene

Concen: 8.284 ppbv

RT: 15.47

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

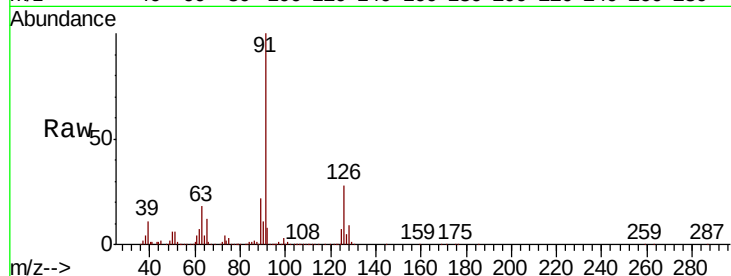
Acq: 14 Apr 2022 16:14

Tot Ion: 91 Resp: 3386176

Ion Ratio Lower Upper

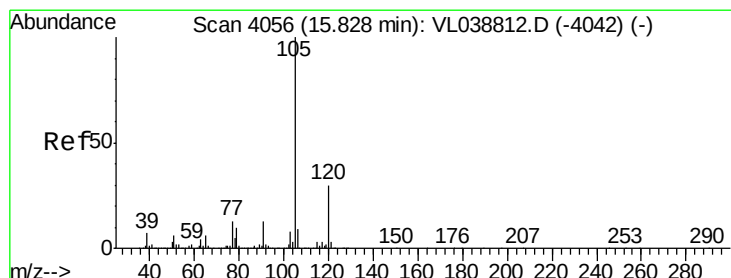
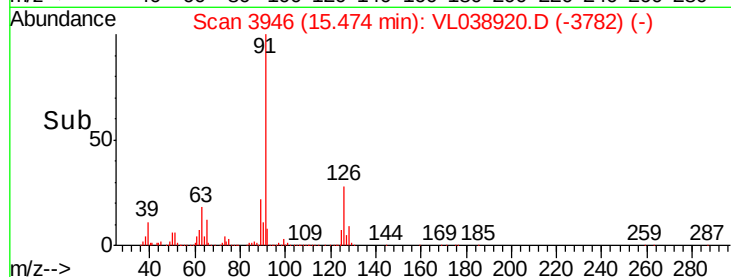
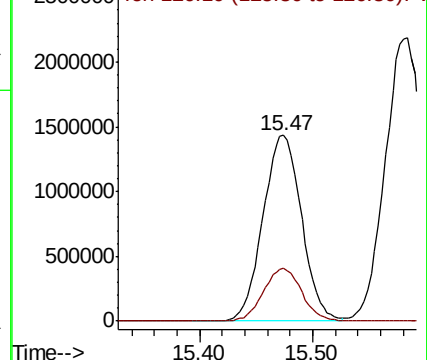
91 100

126 28.4 13.0 51.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.168 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.03 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

Tgt Ion:105 Resp: 3532568

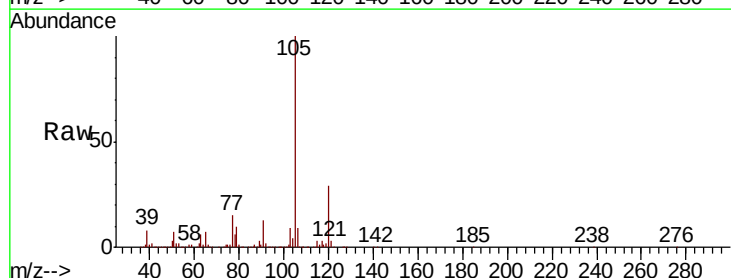
Ion Ratio Lower Upper

105 100

120 28.6 24.3 36.5

91 13.6 9.4 14.2

77 14.8 10.6 15.8

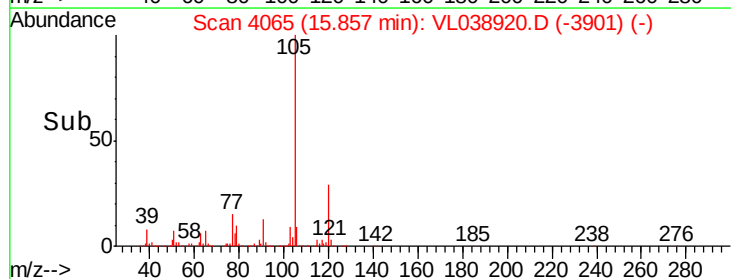
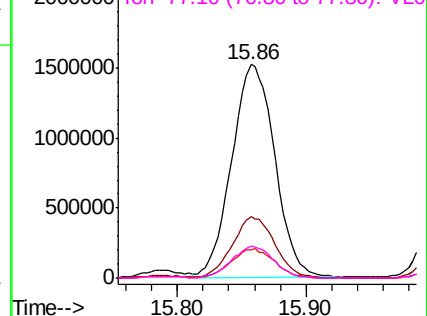


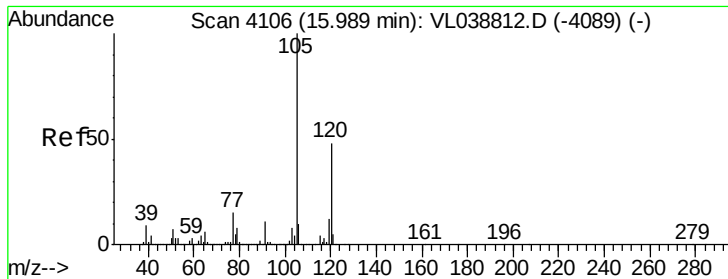
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.176 ppbv

RT: 16.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

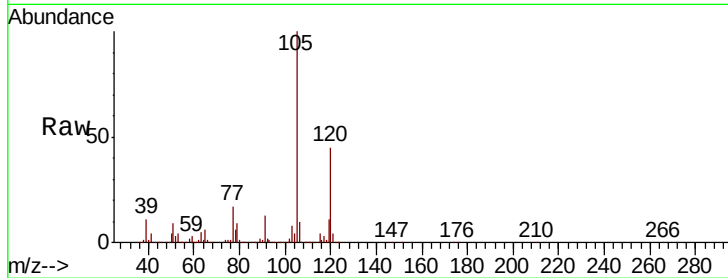
Acq: 14 Apr 2022 16:14

Tot Ion:105 Resp: 3176615

Ion Ratio Lower Upper

105 100

120 44.8 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

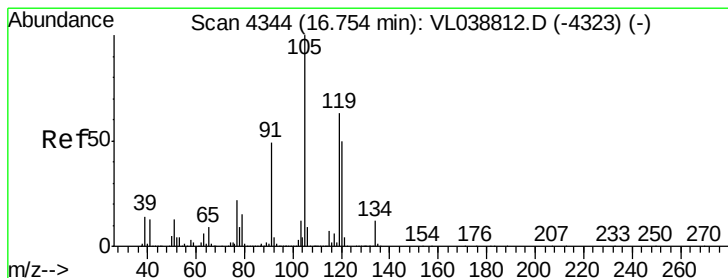
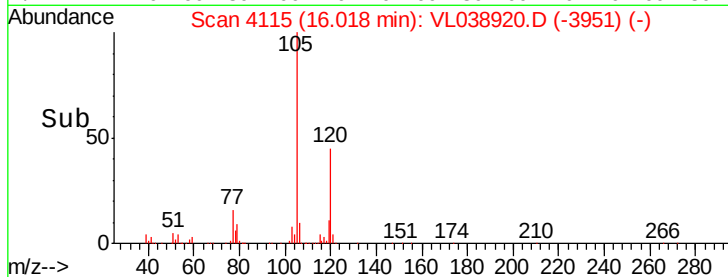
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.246 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.03 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

Tgt Ion:105 Resp: 3386635

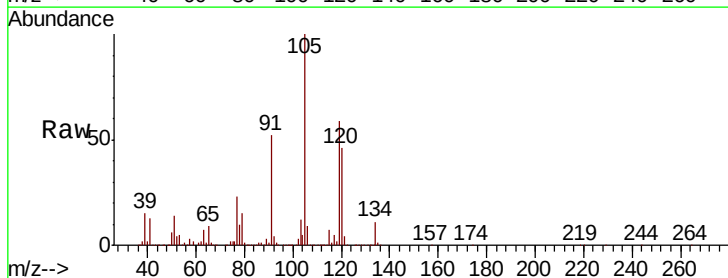
Ion Ratio Lower Upper

105 100

120 45.6 39.8 59.8

91 51.8 39.4 59.0

77 23.3 17.3 25.9



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

2000000

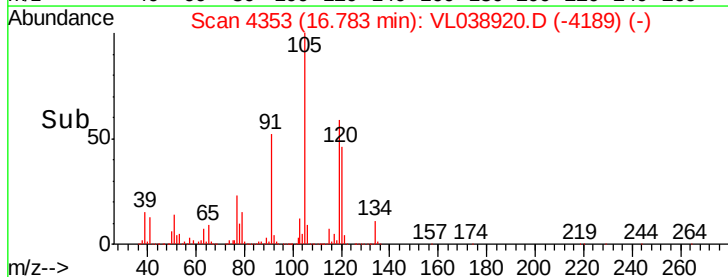
1500000

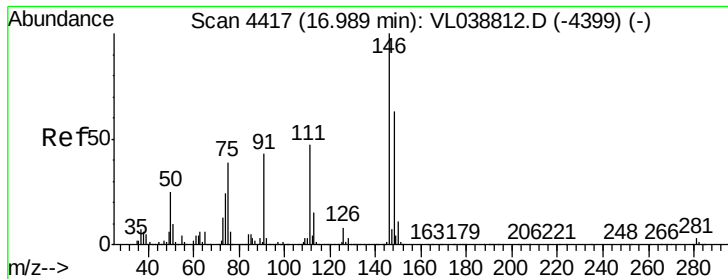
1000000

500000

0

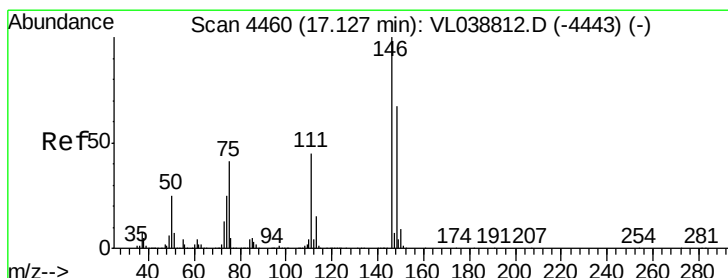
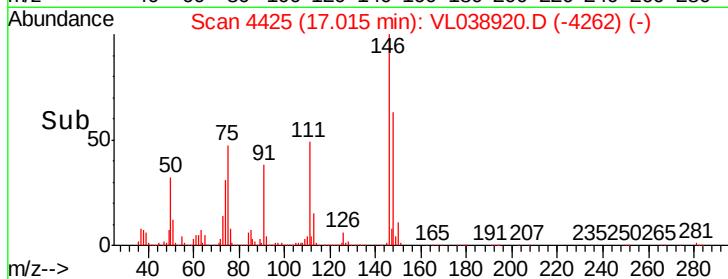
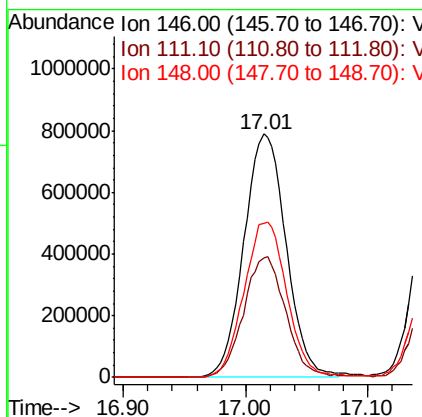
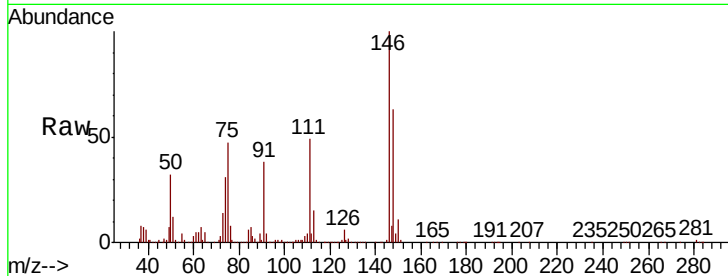
Time-->





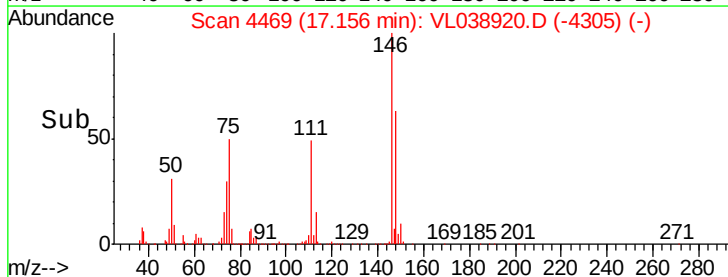
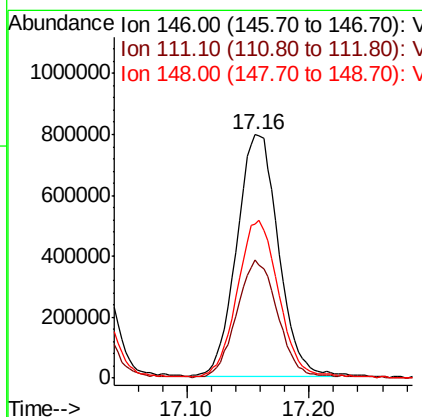
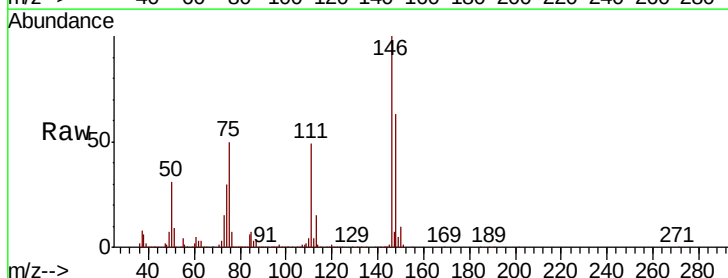
#75
 1,3-Dichlorobenzene
 Concen: 7.912 ppbv
 RT: 17.01 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0414ABS01
 Acq: 14 Apr 2022 16:14

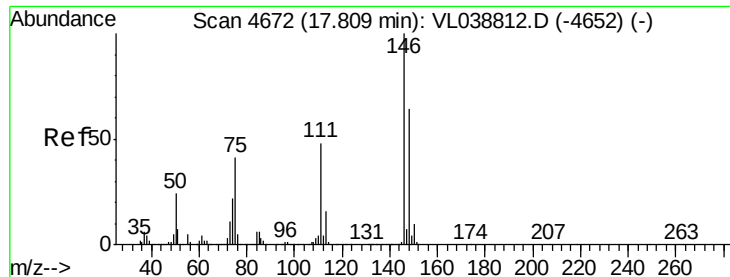
Tot Ion:146 Resp: 1886676
 Ion Ratio Lower Upper
 146 100
 111 49.8 23.8 71.2
 148 65.2 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 7.945 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.03 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

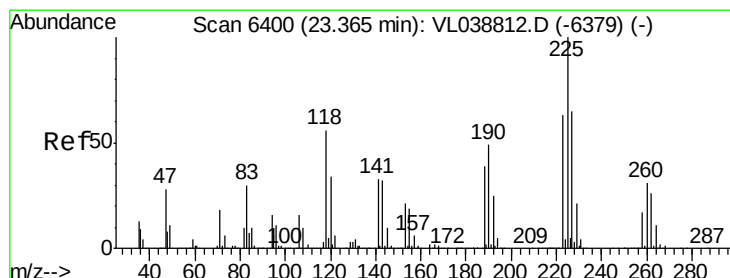
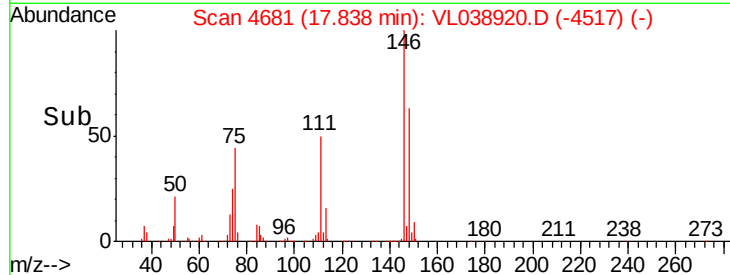
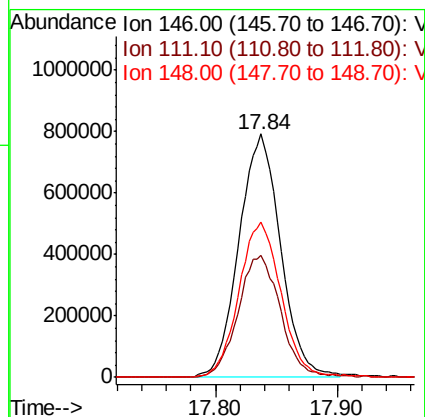
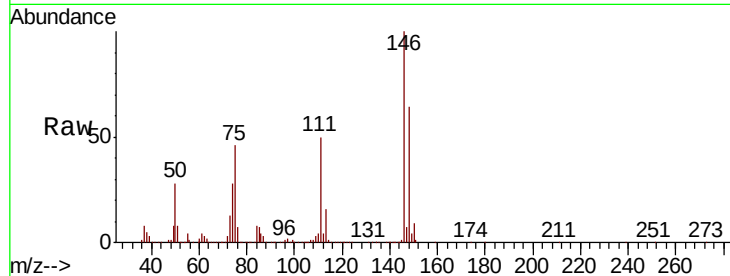
Tgt Ion:146 Resp: 1866166
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.6 70.8
 148 65.8 33.6 100.6





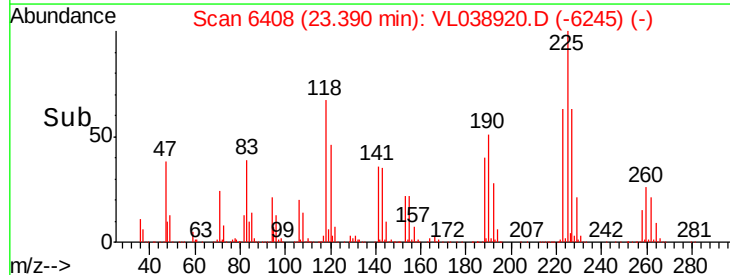
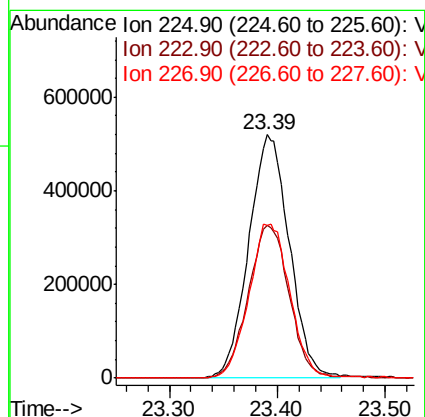
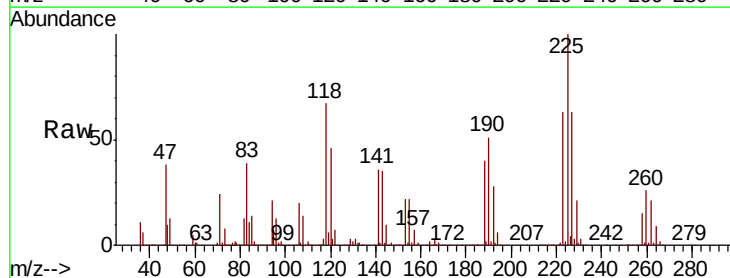
#77
 1,2-Dichlorobenzene
 Concen: 7.910 ppbv
 RT: 17.84 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0414ABS01
 Acq: 14 Apr 2022 16:14

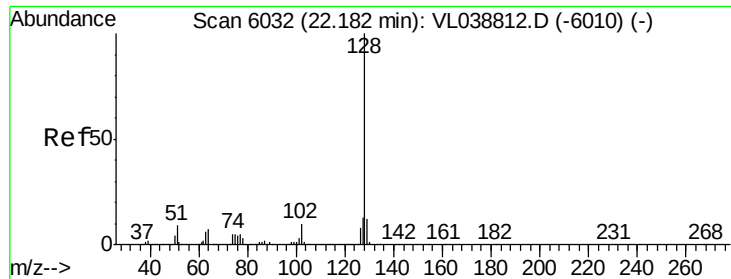
Tot Ion:146 Resp: 1859390
 Ion Ratio Lower Upper
 146 100
 111 51.4 24.8 74.3
 148 65.2 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.293 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T.: 0.03 min
 Lab File: VL038920.D
 Acq: 14 Apr 2022 16:14

Tgt Ion:225 Resp: 1354423
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.6 77.4
 227 64.4 52.3 78.5





#79

Naphthalene

Concen: 8.367 ppbv

RT: 22.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:14

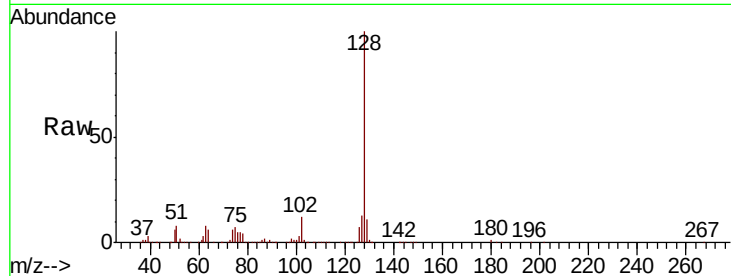
Tot Ion:128 Resp: 2570537

Ion Ratio Lower Upper

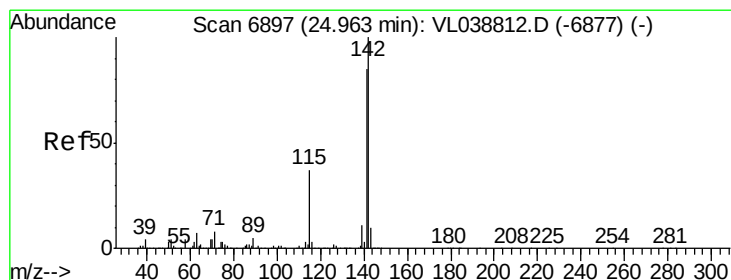
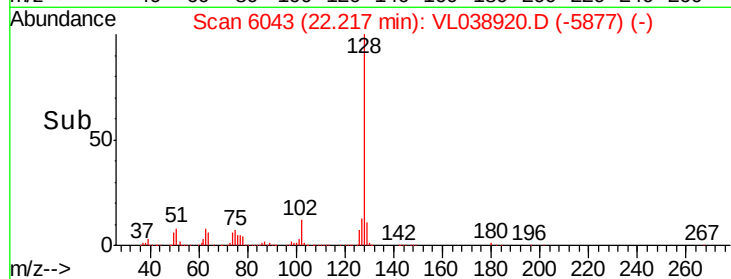
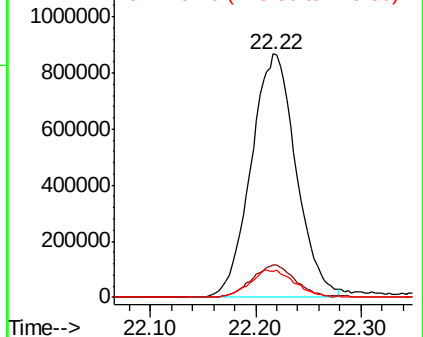
128 100

127 13.2 10.6 15.8

129 10.7 9.4 14.0



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: 7.147 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.02 min

Lab File: VL038920.D

Acq: 14 Apr 2022 16:14

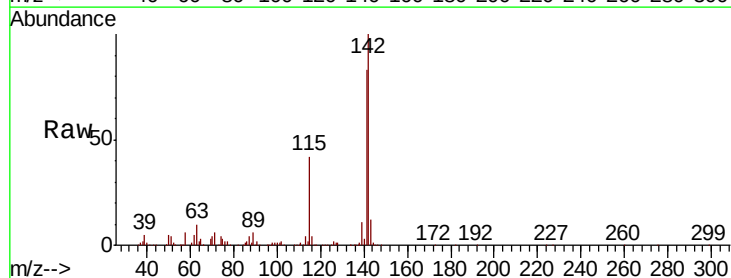
Tgt Ion:142 Resp: 541048

Ion Ratio Lower Upper

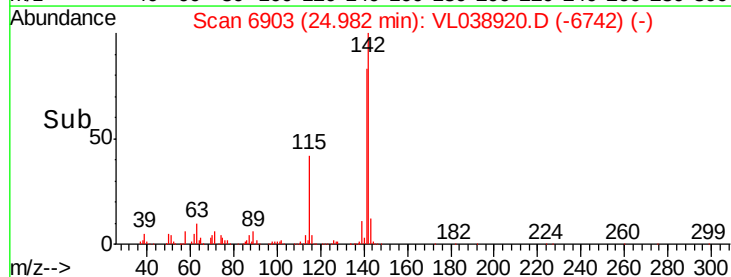
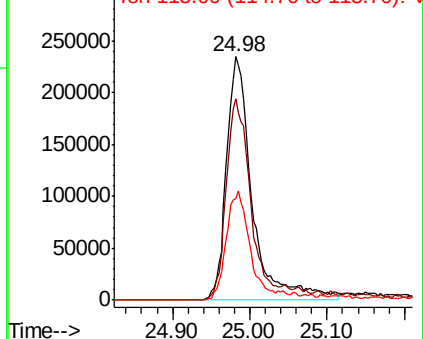
142 100

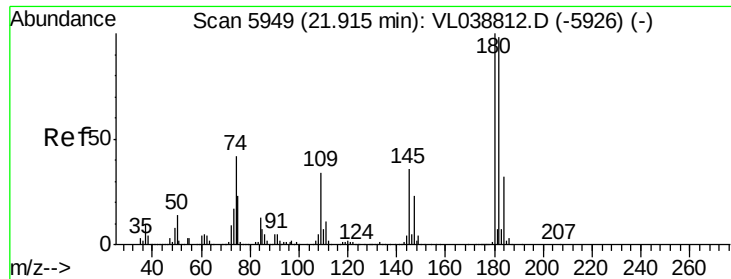
141 82.9 68.8 103.2

115 43.8 31.6 47.4



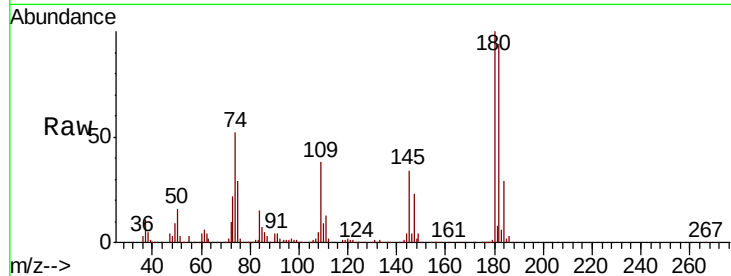
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.181 ppbv
 RT: 21.95
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0414ABS01
 Acq: 14 Apr 2022 18.14

Tot Ion:180 Resp: 1471011
 Ion Ratio Lower Upper
 180 100
 182 95.6 79.4 119.0
 184 30.4 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

