

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038810.D
 Acq On : 31 Mar 2022 10:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 05:12:45 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	840838	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2405515	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2750411	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1616454	7.67	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1096119	9.697	ppbv 100
3) Chlorodifluoromethane	3.01	51	905725	10.199	ppbv 99
4) Chloromethane	3.16	50	496925	10.192	ppbv 100
5) Vinyl Chloride	3.28	62	490227	9.895	ppbv 100
6) Bromomethane	3.49	94	263797	9.988	ppbv 100
7) Chloroethane	3.57	64	165757	10.107	ppbv 97
8) Dichlorotetrafluoroethane	3.20	85	1127616	9.992	ppbv 93
9) Propene	3.02	41	440829	10.282	ppbv 99
10) Heptane	8.14	43	1124340	10.971	ppbv 100
11) Trichlorofluoromethane	3.97	101	999267	10.016	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	800749	10.427	ppbv 95
13) Ethanol	3.62	45	32199	6.808	ppbv 83
14) Bromoethene	3.75	108	363077	10.638	ppbv 98
15) Acetone	3.86	43	704695	9.713	ppbv 99
16) 1,3-Butadiene	3.34	39	426164	10.350	ppbv 99
17) tert-Butyl alcohol	4.30	59	766222	12.092	ppbv 100
18) 1,1-Dichloroethene	4.30	96	364553	10.567	ppbv 96
19) Isopropyl Alcohol	3.98	45	417523	10.379	ppbv # 98
20) Methylene Chloride	4.36	84	305266	9.989	ppbv 97
21) Allyl Chloride	4.43	41	551419	10.560	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	392732	10.975	ppbv 99
23) Vinyl Acetate	5.09	43	806302	11.477	ppbv 98
24) 1,1-Dichloroethane	5.02	63	728904	10.535	ppbv 100
25) Ethyl Acetate	5.69	43	1910162	10.458	ppbv 99
26) Hexane	5.70	57	863887	10.565	ppbv 97
27) Carbon Disulfide	4.56	76	958477	11.949	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	698350	11.465	ppbv 99
29) Chloroform	5.77	83	1342445	10.254	ppbv 100
30) Cyclohexane	7.14	84	759631	10.684	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	827576	10.764	ppbv 96
32) 1,1,1-Trichloroethane	6.53	97	1337157	10.583	ppbv 98
34) 2-Butanone	5.26	43	844677	8.872	ppbv 99
35) Carbon Tetrachloride	7.03	117	1393923	9.987	ppbv 99
36) Benzene	6.91	78	1874754	10.098	ppbv 100
37) 1,2-Dichloroethane	6.32	62	920236	9.744	ppbv 99
38) Trichloroethene	7.85	130	808242	10.392	ppbv 97
39) 1,2-Dichloropropane	7.63	63	710742	9.793	ppbv 98
40) 1,4-Dioxane	7.85	88	248189	9.847	ppbv 93
41) Tetrahydrofuran	6.06	42	737540	10.408	ppbv 100
42) Bromodichloromethane	7.81	83	1443932	10.198	ppbv 100
43) Methyl Methacrylate	8.03	69	745206	10.812	ppbv 98

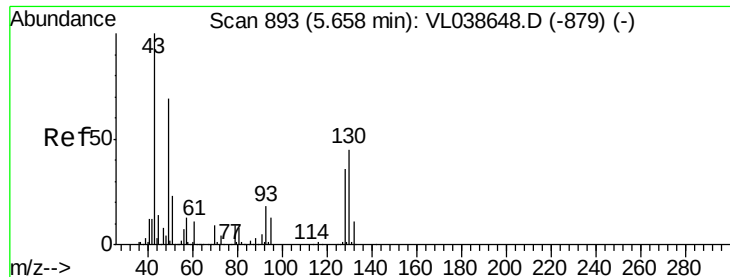
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
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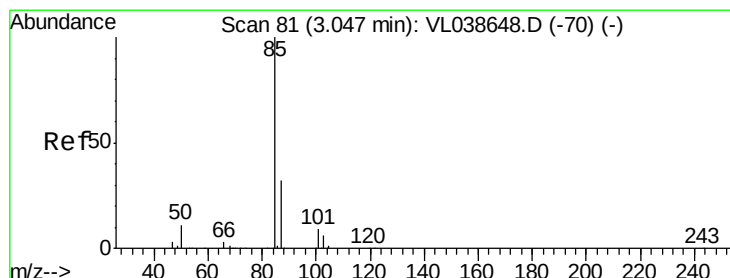
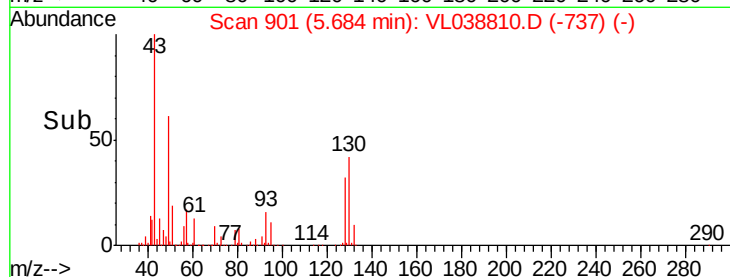
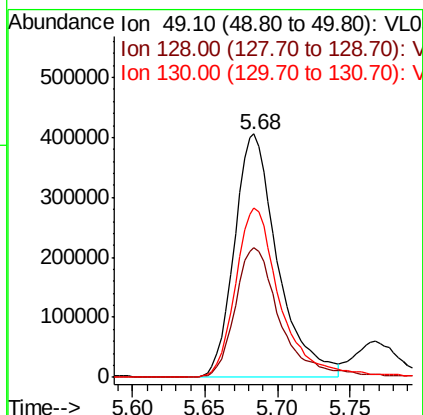
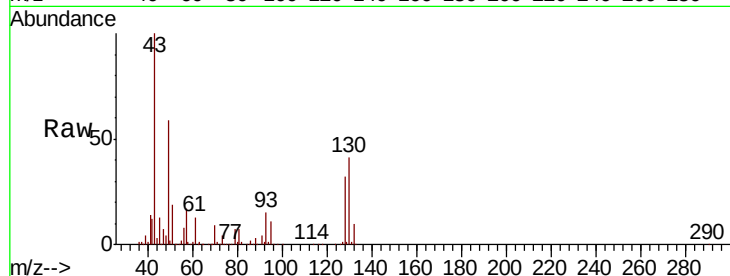
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3024471	9.703	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	792501	11.308	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	999466	10.547	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	767876	9.910	ppbv	100
48) Dibromochloromethane	10.32	129	1336660	11.012	ppbv	100
49) Bromoform	13.06	173	1107982	11.200	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	1775311	10.029	ppbv	99
51) 2-Hexanone	10.15	43	1357246	10.675	ppbv	100
52) Tetrachloroethene	11.24	164	706251	10.395	ppbv	97
53) Toluene	9.82	91	2135190	10.704	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1122728	10.611	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	910017	7.981	ppbv	97
57) Chlorobenzene	12.17	112	1558676	7.857	ppbv	97
58) Ethyl Benzene	12.73	91	2738336	8.516	ppbv	100
59) m/p-Xylene	13.01	91	2329890	8.284	ppbv #	31
60) o-Xylene	13.71	91	2112349	7.910	ppbv	97
61) Styrene	13.54	104	1332513	9.201	ppbv	99
62) Isopropylbenzene	14.68	105	3249930	8.095	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	1401523	6.775	ppbv	99
64) n-propylbenzene	15.58	120	861981	8.182	ppbv	99
65) tert-Butylbenzene	16.76	119	2784907	7.720	ppbv	98
66) Benzyl Chloride	17.00	91	474230	6.942	ppbv	98
67) sec-Butylbenzene	17.31	105	3927771	7.613	ppbv	100
69) p-Isopropyltoluene	17.67	119	3251272	7.722	ppbv	99
70) n-Butylbenzene	18.56	91	3214420	7.401	ppbv	99
71) 2-Chlorotoluene	15.47	91	2315127	7.769	ppbv	98
72) 4-Ethyltoluene	15.85	105	2601071	8.251	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	2265828	7.887	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	2387486	7.630	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	1501625	7.535	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1465720	7.395	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	1436028	7.274	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	960388	5.263	ppbv	100
79) Naphthalene	22.21	128	1668834	6.981	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	351384	5.482	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1034435	6.321	ppbv	99

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



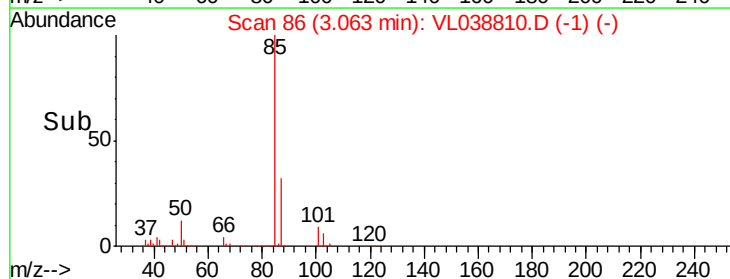
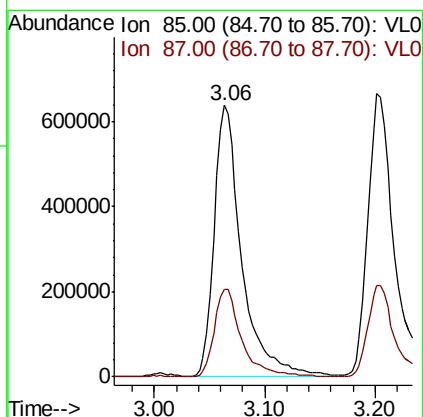
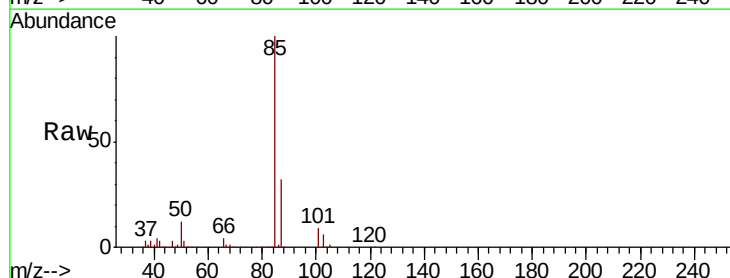
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 31 Mar 2022 10:22

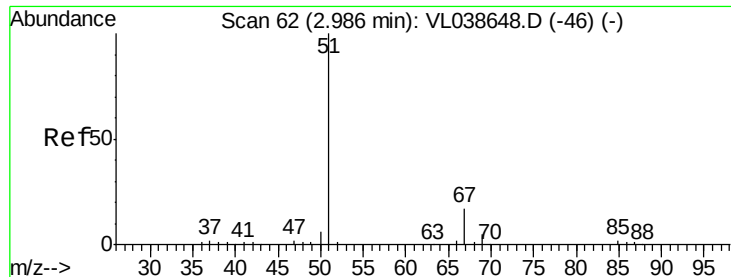
Tot Ion: 49 Resp: 840838
 Ion Ratio Lower Upper
 49 100
 128 56.5 26.2 78.6
 130 72.8 33.7 101.1



#2
 Dichlorodifluoromethane
 Concen: 9.697 ppbv
 RT: 3.06 min Scan# 86
 Delta R.T. 0.02 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

Tgt Ion: 85 Resp: 1096119
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0





#3

Chlorodifluoromethane

Concen: 10.199 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

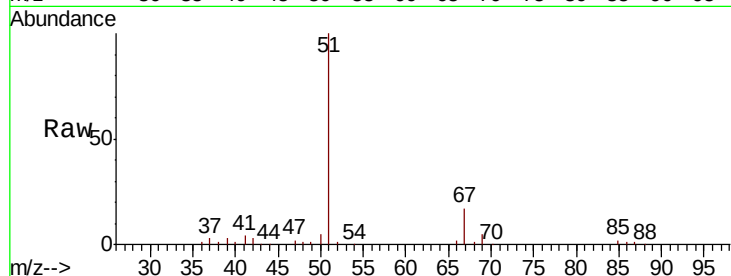
Acq: 31 Mar 2022 10:22

Tot Ion: 51 Resp: 905725

Ion Ratio Lower Upper

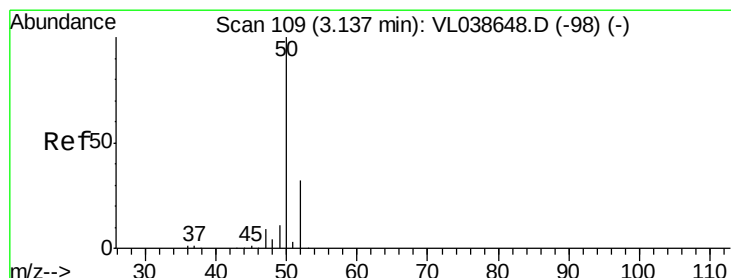
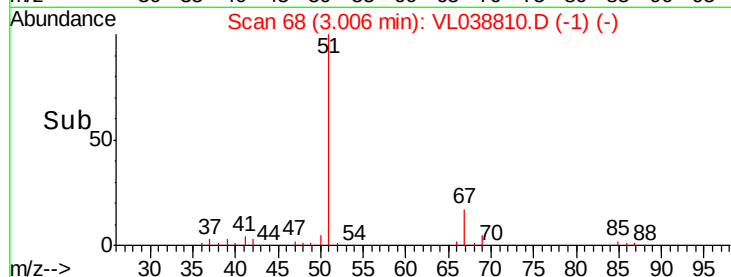
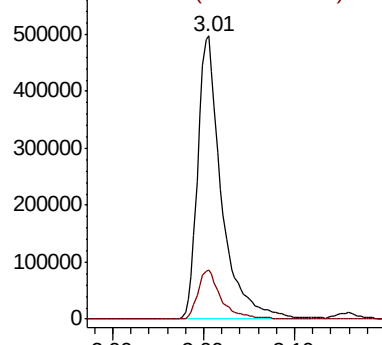
51 100

67 17.2 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.192 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.02 min

Lab File: VL038810.D

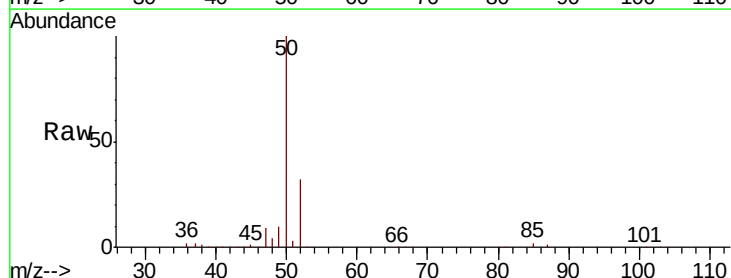
Acq: 31 Mar 2022 10:22

Tgt Ion: 50 Resp: 496925

Ion Ratio Lower Upper

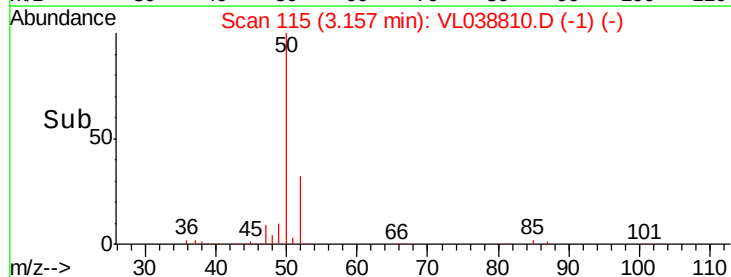
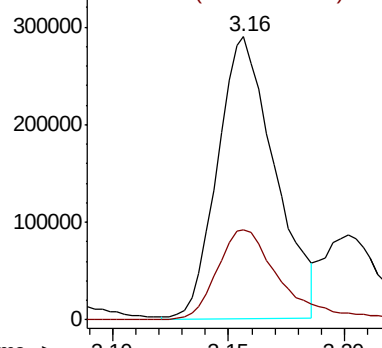
50 100

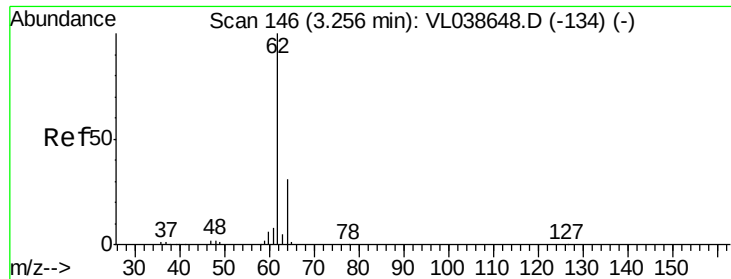
52 32.1 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.895 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

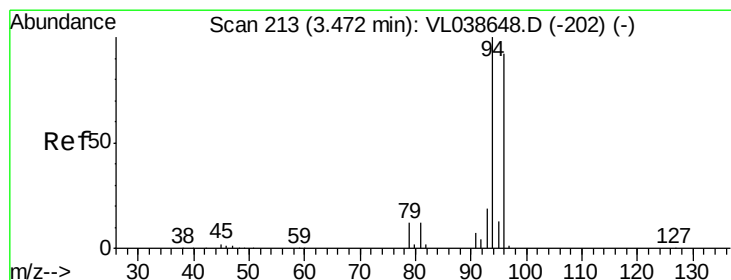
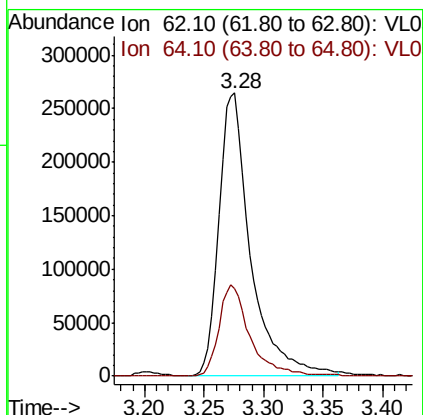
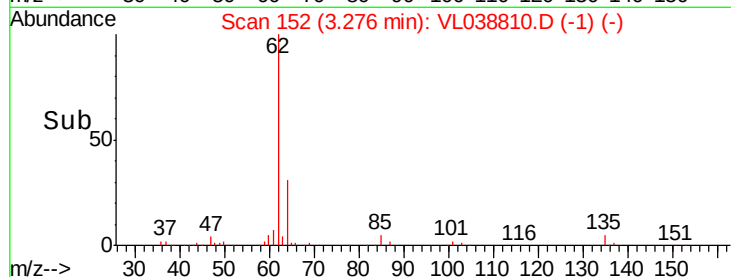
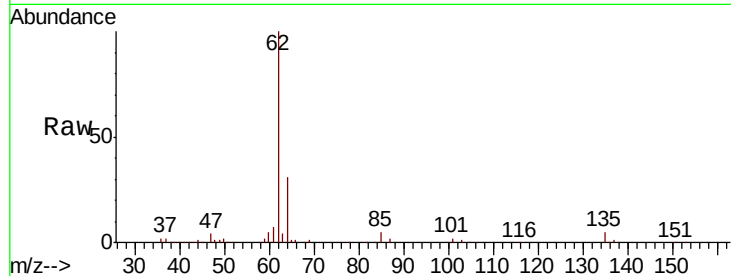
Acq: 31 Mar 2022 10:22

Tot Ion: 62 Resp: 490227

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4



#6

Bromomethane

Concen: 9.988 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.02 min

Lab File: VL038810.D

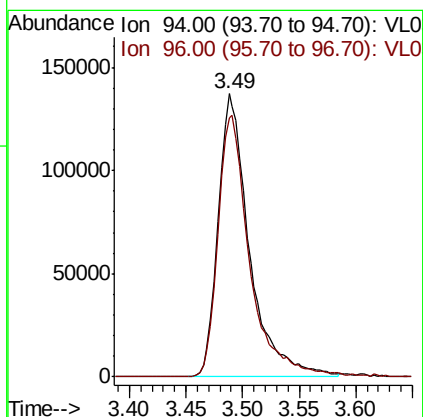
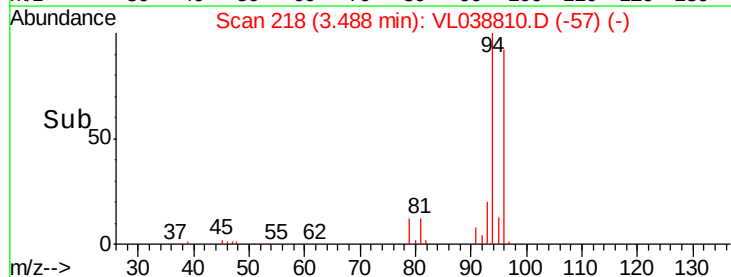
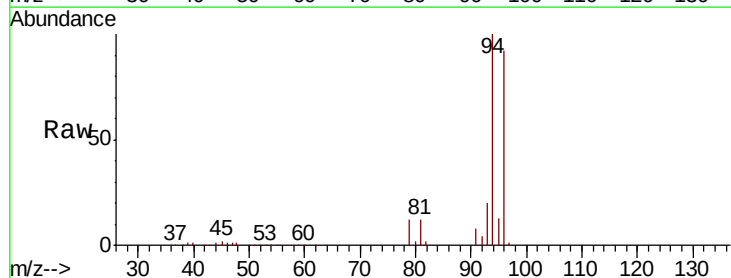
Acq: 31 Mar 2022 10:22

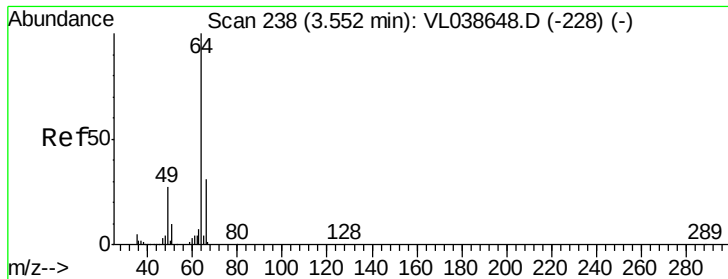
Tgt Ion: 94 Resp: 263797

Ion Ratio Lower Upper

94 100

96 91.7 73.3 109.9





#7

Chloroethane

Concen: 10.107 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

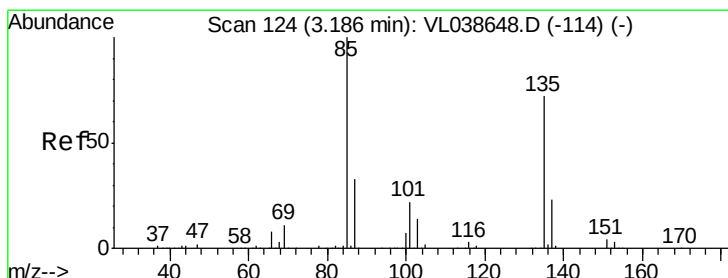
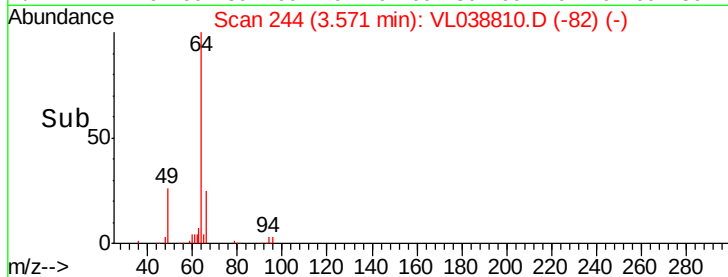
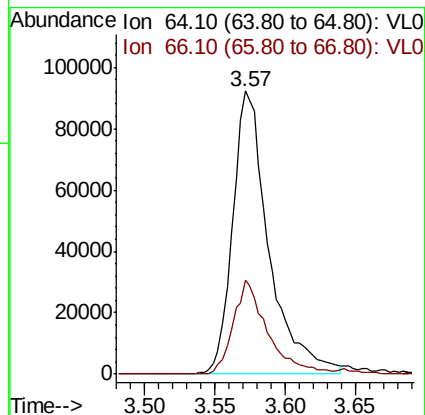
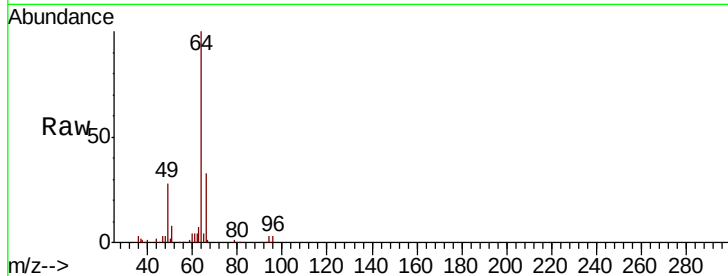
Acq: 31 Mar 2022 10:22

Tot Ion: 64 Resp: 165757

Ion Ratio Lower Upper

64 100

66 33.1 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 9.992 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.02 min

Lab File: VL038810.D

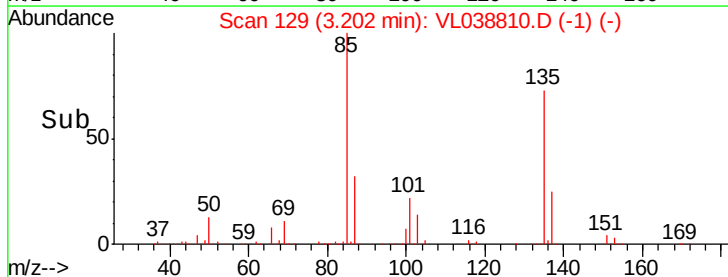
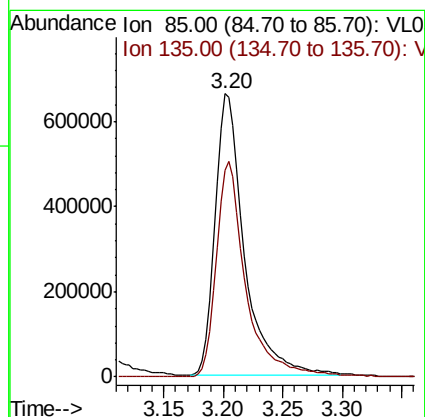
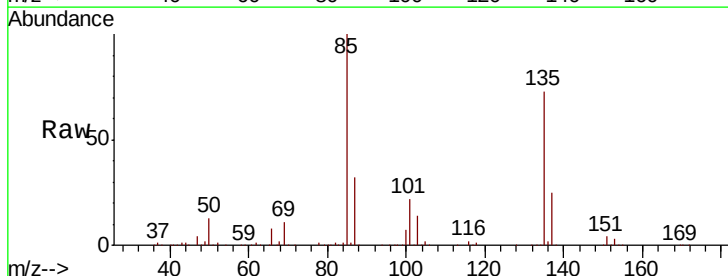
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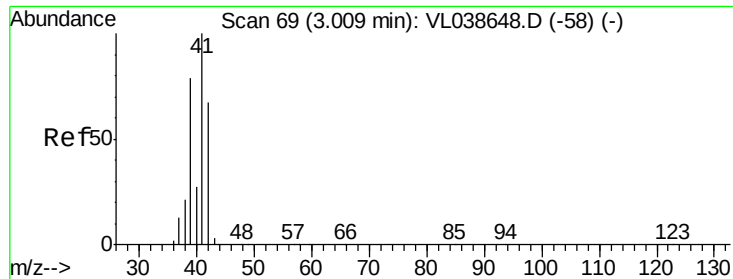
Tgt Ion: 85 Resp: 1127616

Ion Ratio Lower Upper

85 100

135 77.8 57.8 86.6





#9

Propene

Concen: 10.282 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

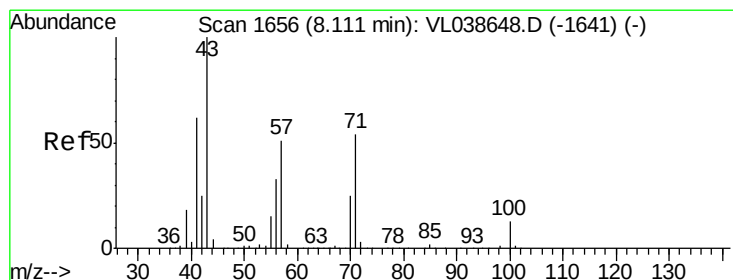
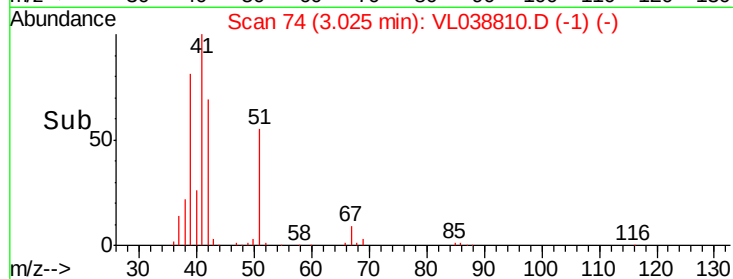
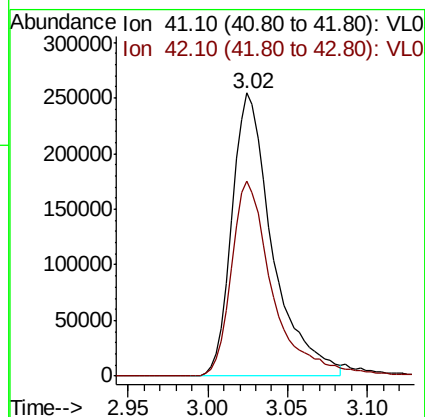
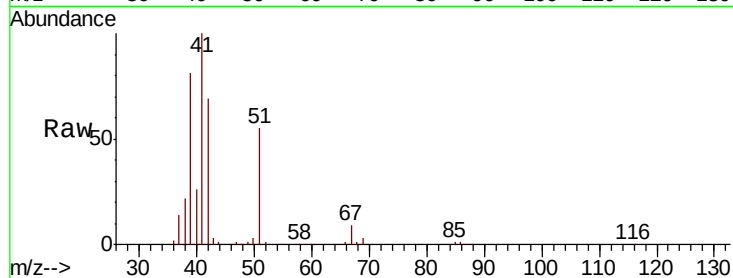
Acq: 31 Mar 2022 10:22

Tot Ion: 41 Resp: 440829

Ion Ratio Lower Upper

41 100

42 71.0 56.2 84.4



#10

Heptane

Concen: 10.971 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.03 min

Lab File: VL038810.D

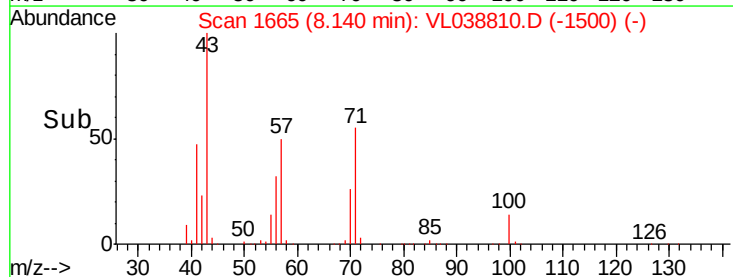
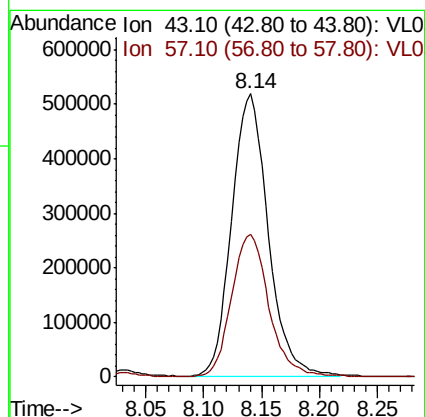
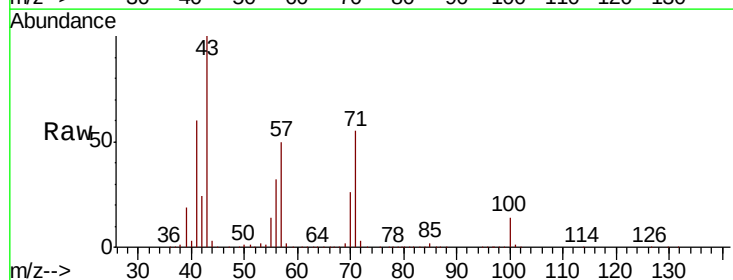
Acq: 31 Mar 2022 10:22

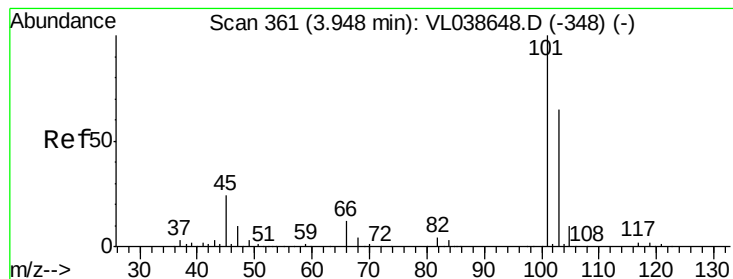
Tgt Ion: 43 Resp: 1124340

Ion Ratio Lower Upper

43 100

57 51.9 41.4 62.2





#11

Trichlorofluoromethane

Concen: 10.016 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

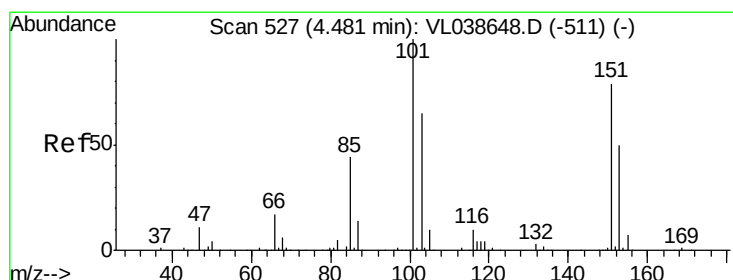
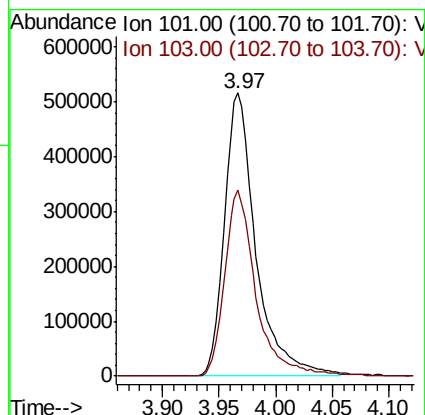
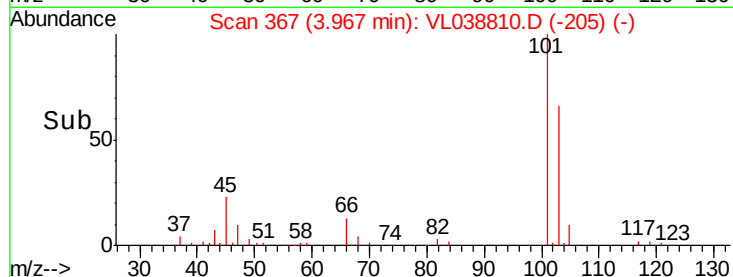
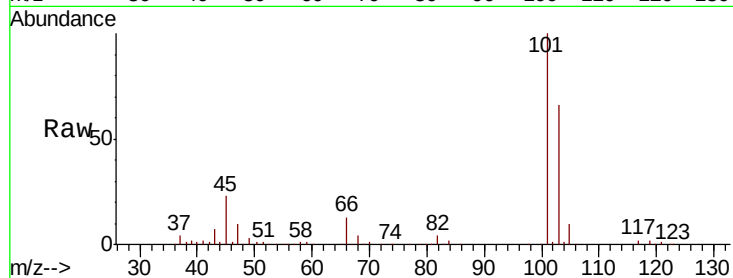
Acq: 31 Mar 2022 10:22

Tot Ion:101 Resp: 999267

Ion Ratio Lower Upper

101 100

103 65.6 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.427 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.02 min

Lab File: VL038810.D

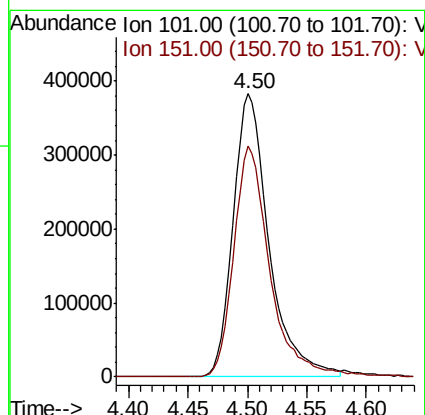
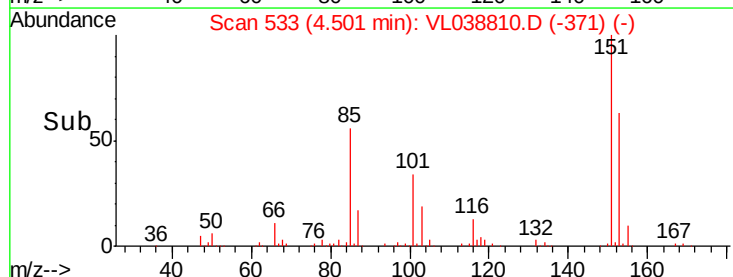
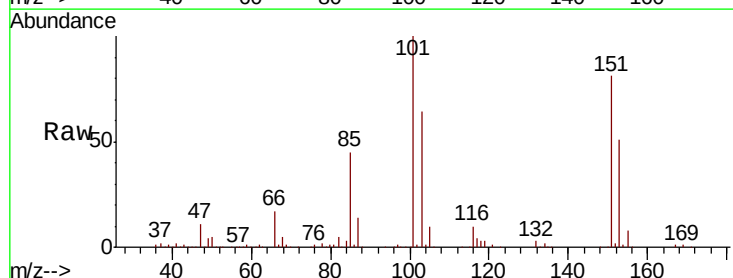
Acq: 31 Mar 2022 10:22

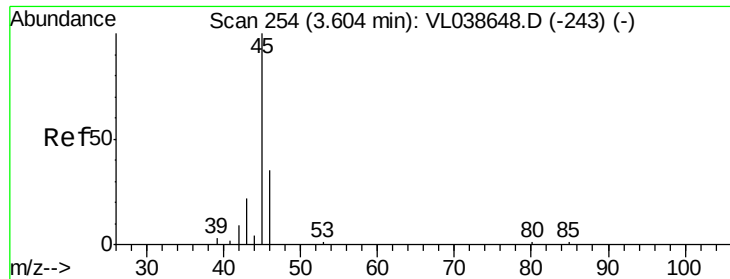
Tgt Ion:101 Resp: 800749

Ion Ratio Lower Upper

101 100

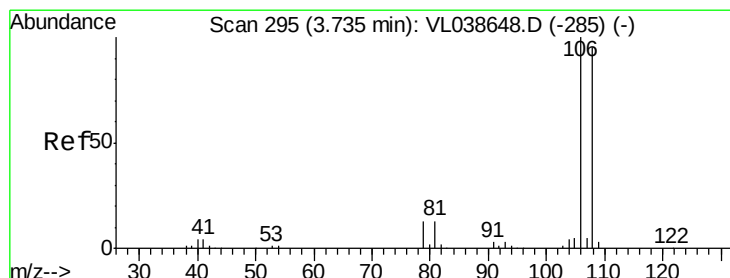
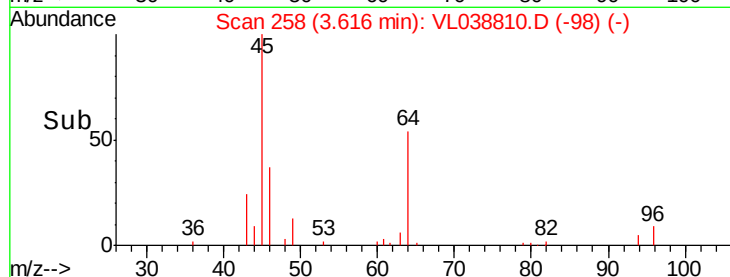
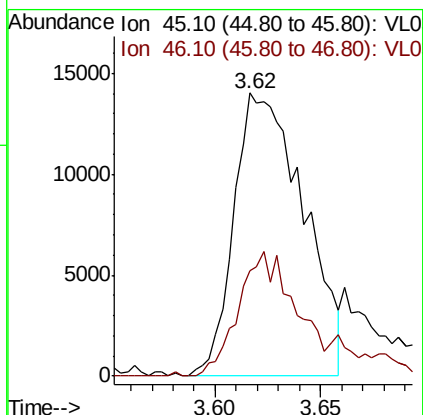
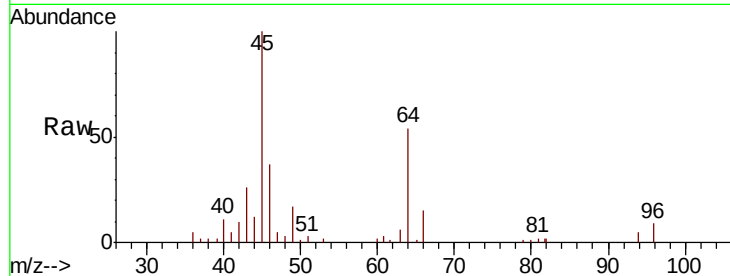
151 82.6 62.9 94.3





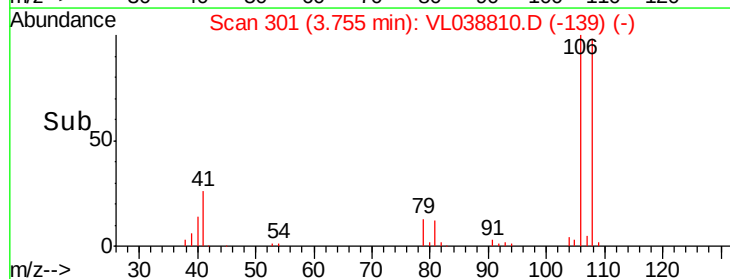
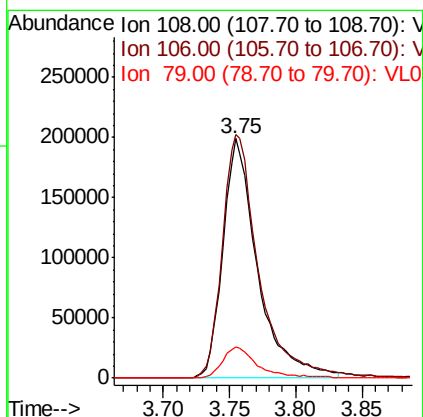
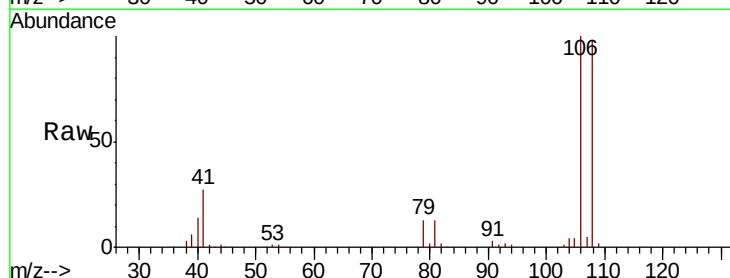
#13
Ethanol
Concen: 6.808 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 Mar 2022 10:22

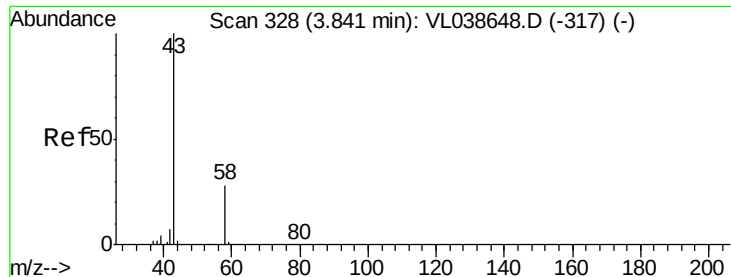
Tot Ion: 45 Resp: 32199
Ion Ratio Lower Upper
45 100
46 48.2 15.1 60.5



#14
Bromoethene
Concen: 10.638 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion: 108 Resp: 363077
Ion Ratio Lower Upper
108 100
106 107.6 88.3 132.5
79 13.7 11.2 16.8





#15

Acetone

Concen: 9.713 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

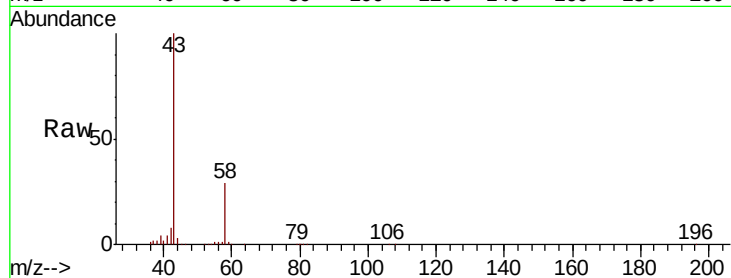
Acq: 31 Mar 2022 10:22

Tot Ion: 43 Resp: 704695

Ion Ratio Lower Upper

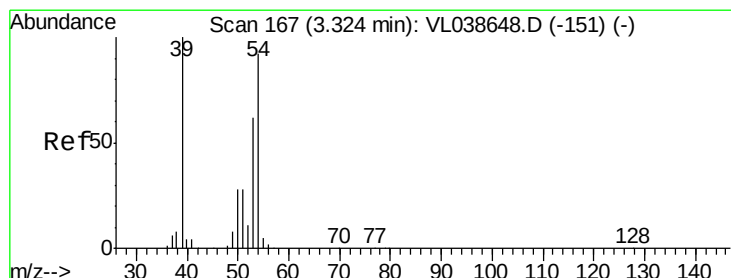
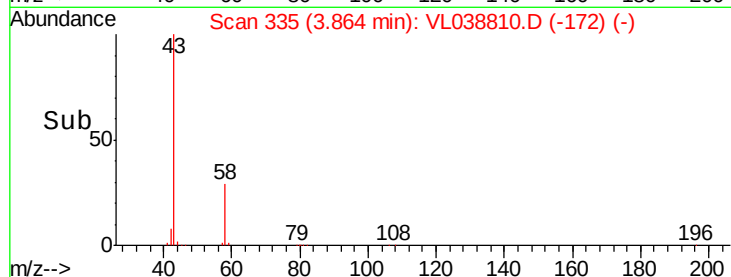
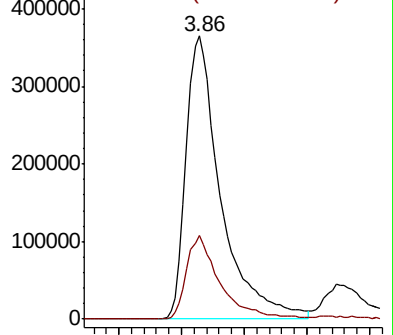
43 100

58 28.6 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.350 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL038810.D

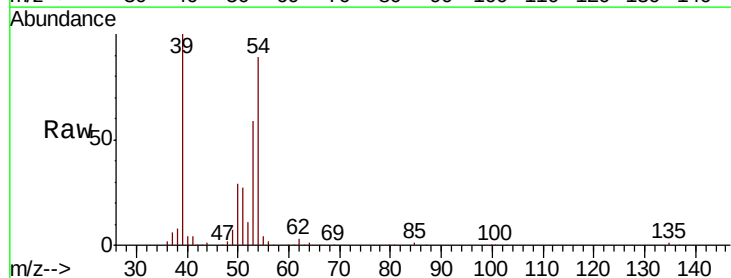
Acq: 31 Mar 2022 10:22

Tgt Ion: 39 Resp: 426164

Ion Ratio Lower Upper

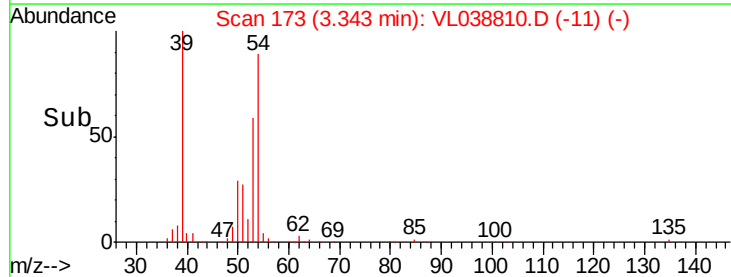
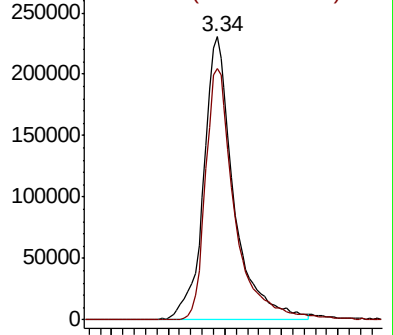
39 100

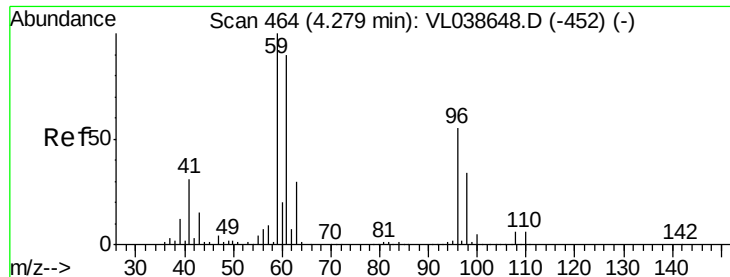
54 87.4 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.092 ppbv

RT: 4.30 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

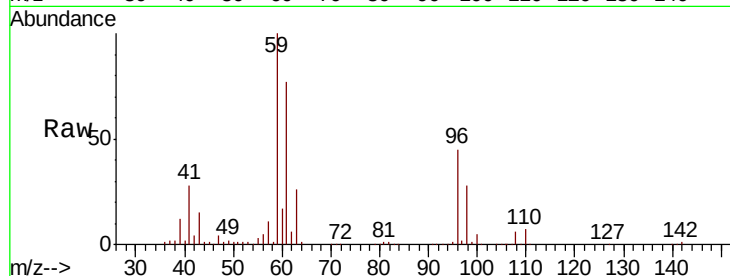
Acq: 31 Mar 2022 10:22

Tot Ion: 59 Resp: 766222

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

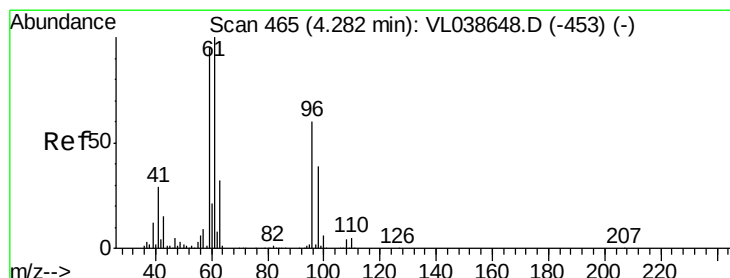
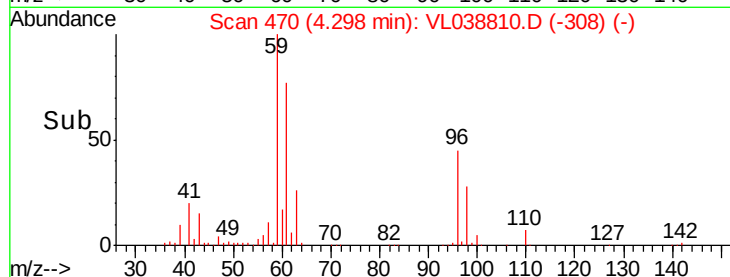
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.567 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

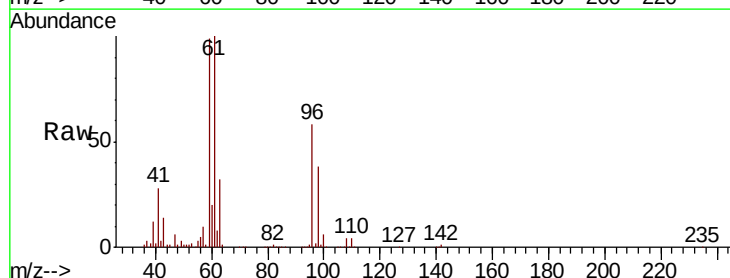
Tgt Ion: 96 Resp: 364553

Ion Ratio Lower Upper

96 100

61 171.6 132.4 198.6

98 65.2 51.6 77.4



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

4.30

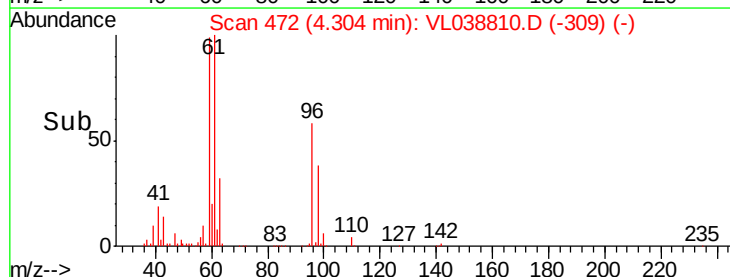
300000

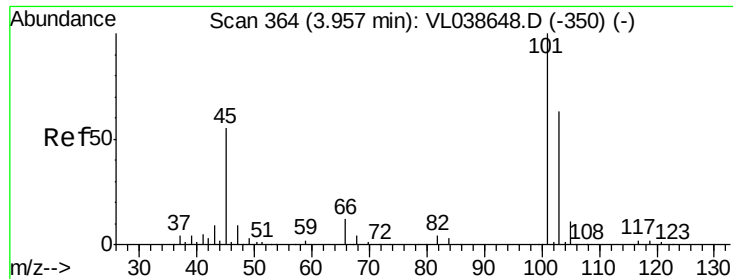
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.379 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

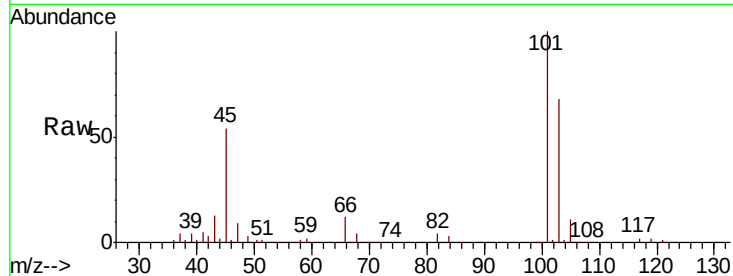
Acq: 31 Mar 2022 10:22

Tot Ion: 45 Resp: 417523

Ion Ratio Lower Upper

45 100

58 2.1 2.3 3.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

200000

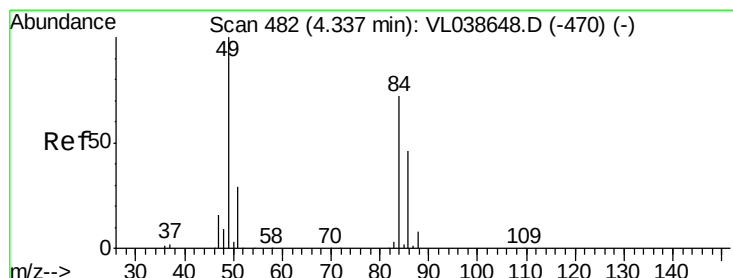
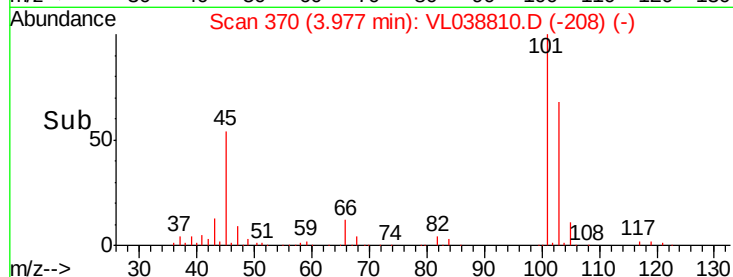
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 9.989 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.03 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

Tgt Ion: 84 Resp: 305266

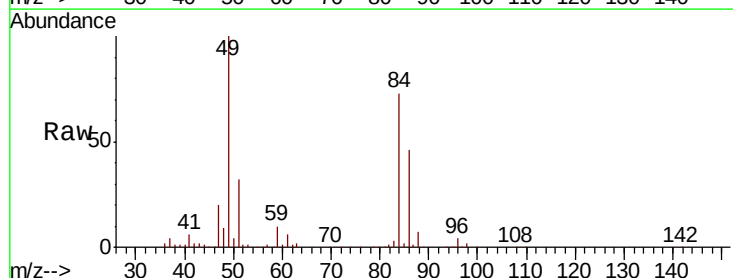
Ion Ratio Lower Upper

84 100

49 134.3 111.2 166.8

51 43.0 32.8 49.2

86 63.3 51.4 77.0



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

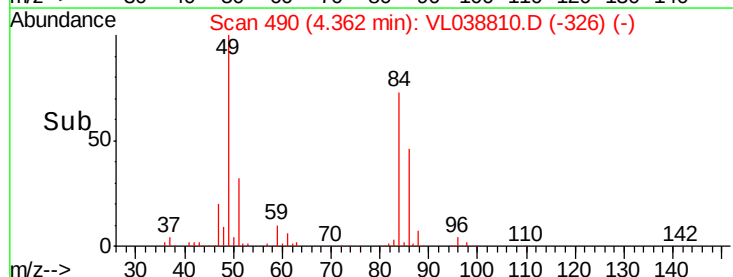
300000

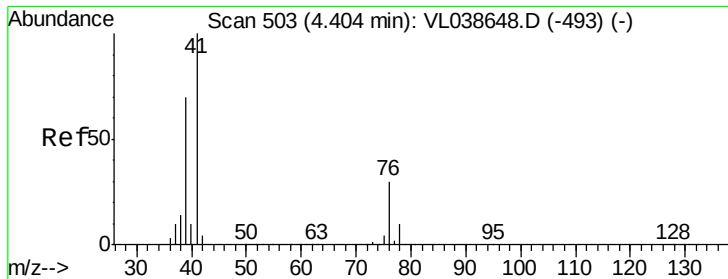
200000

100000

0

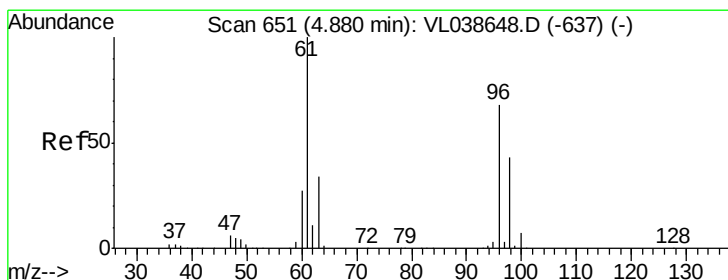
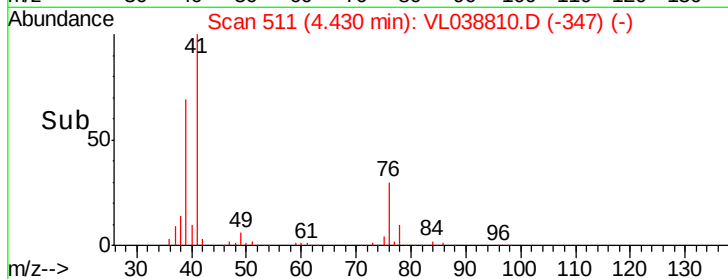
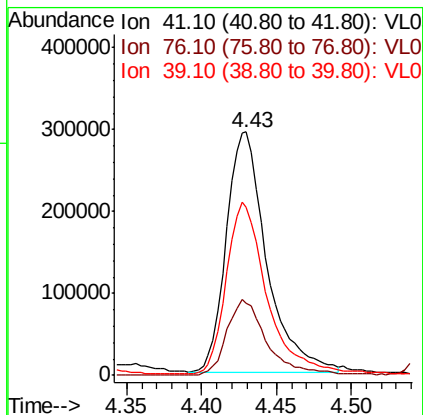
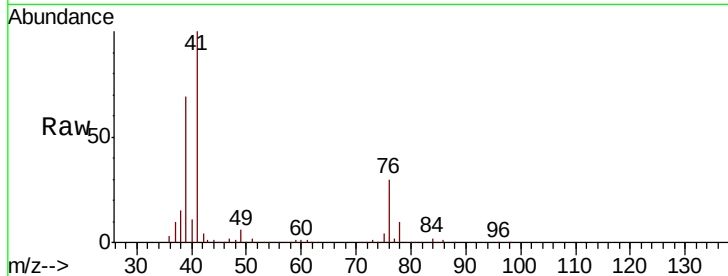
Time-->





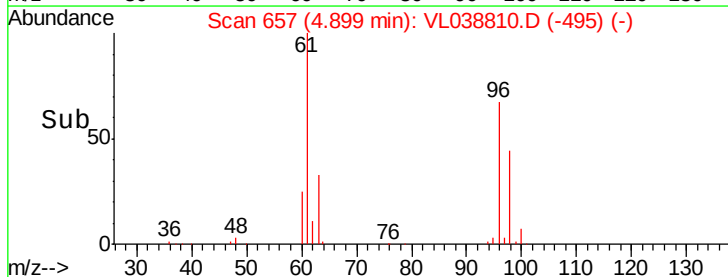
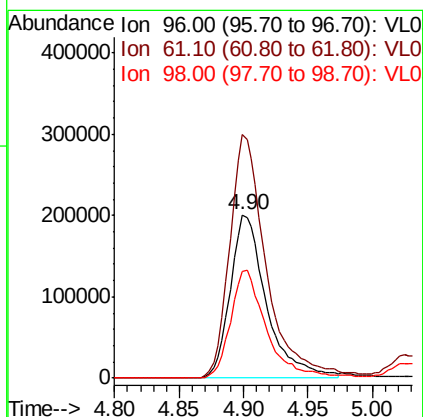
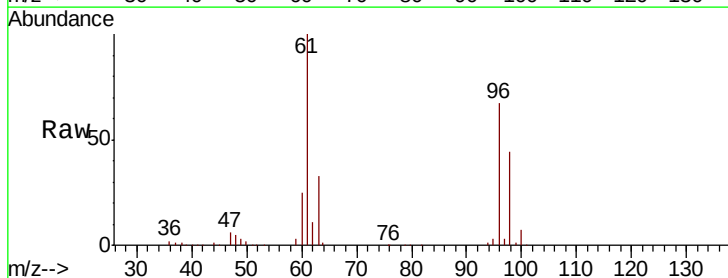
#21
 Allvl Chloride
 Concen: 10.560 ppbv
 RT: 4.43
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 10:22

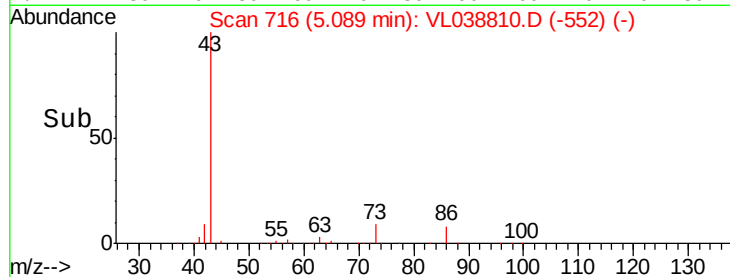
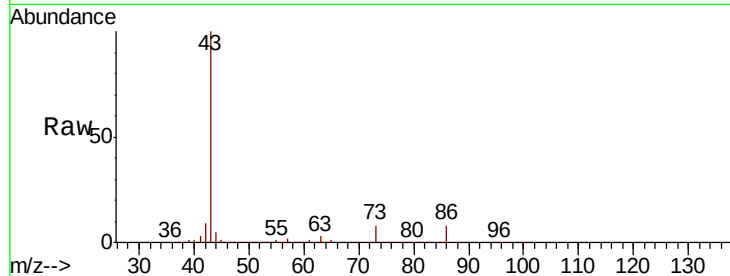
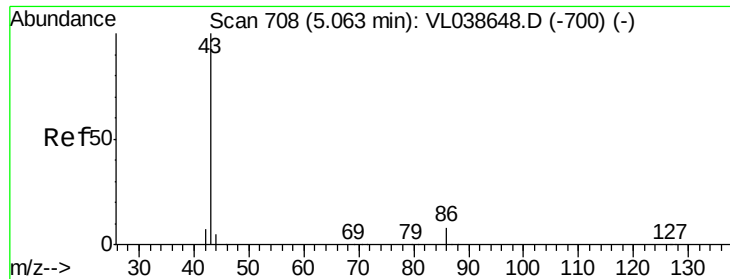
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.9	25.0	37.6
39	73.0	56.6	85.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.975 ppbv
 RT: 4.90 min Scan# 657
 Delta R.T.: 0.02 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.8	118.3	177.5
98	65.3	51.3	76.9





#23

Vinyl Acetate

Concen: 11.477 ppbv

RT: 5.09 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Mar 2022 10:22

Tot Ion: 43 Resp: 806302

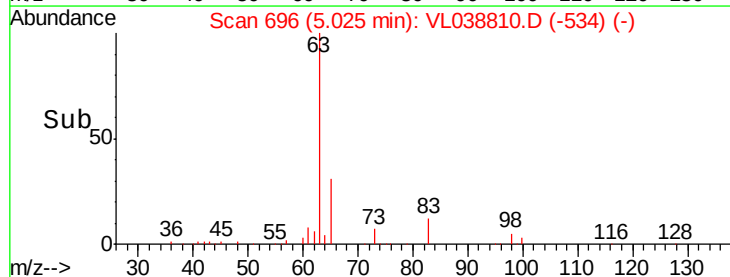
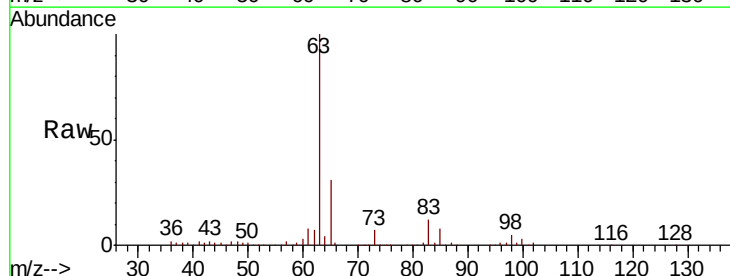
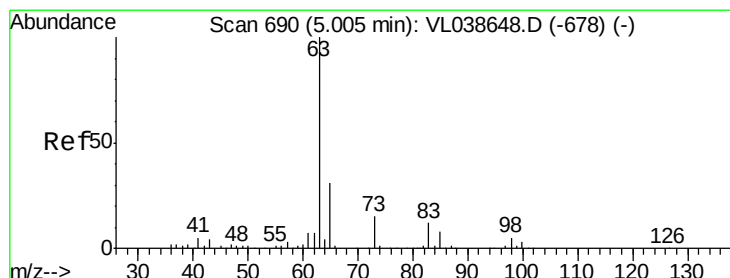
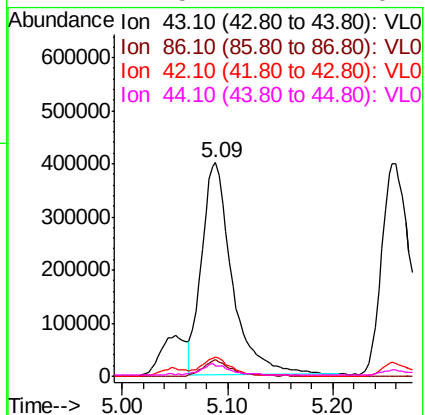
Ion Ratio Lower Upper

43 100

86 7.7 5.6 8.4

42 8.8 6.8 10.2

44 4.5 4.2 6.2



#24

1,1-Dichloroethane

Concen: 10.535 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.02 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

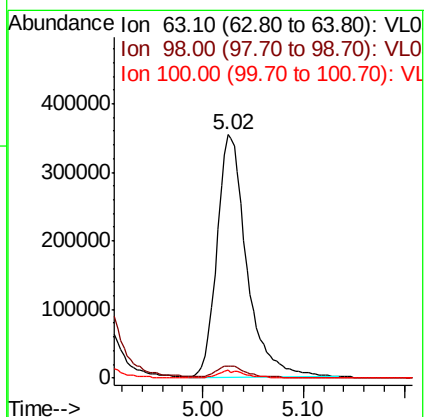
Tgt Ion: 63 Resp: 728904

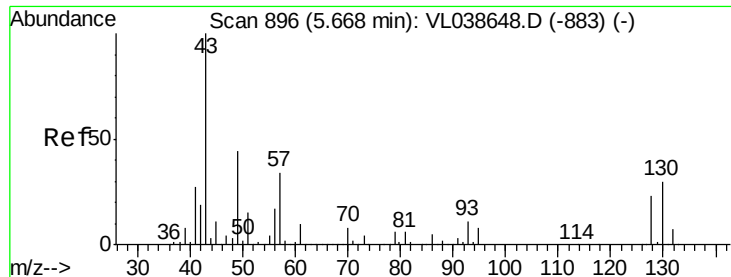
Ion Ratio Lower Upper

63 100

98 4.9 2.5 7.5

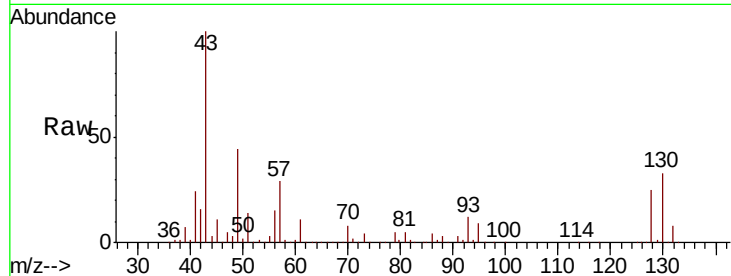
100 3.1 1.4 4.2



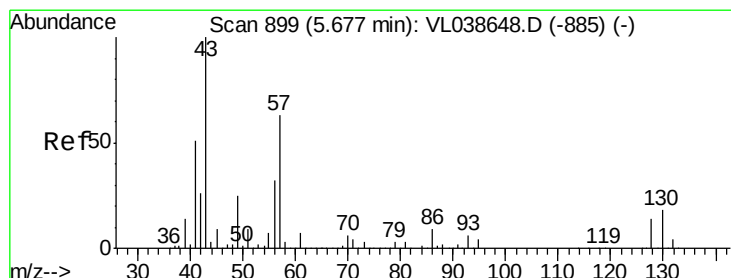
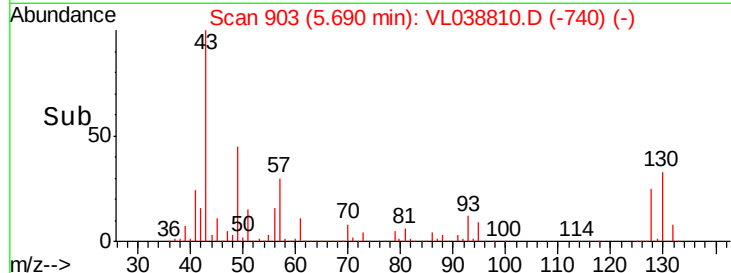
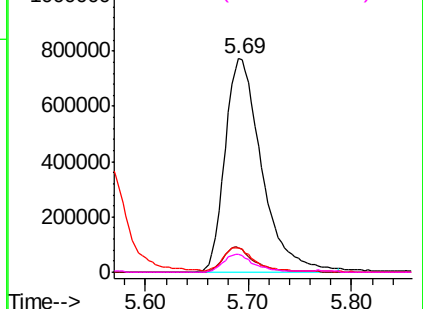


#25
Ethyl Acetate
Concen: 10.458 ppbv
RT: 5.69 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 Mar 2022 10:22

Tot Ion:	43	Resp:	1910162
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	11.0	8.3	12.5
70	7.3	5.6	8.4

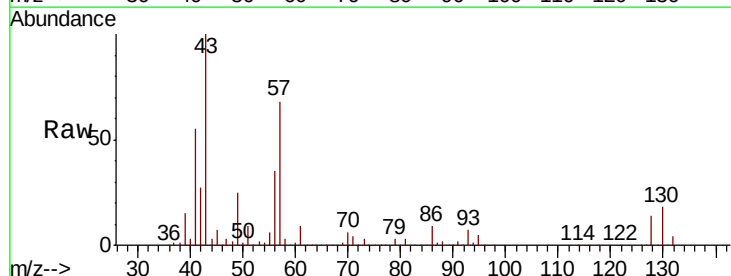


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

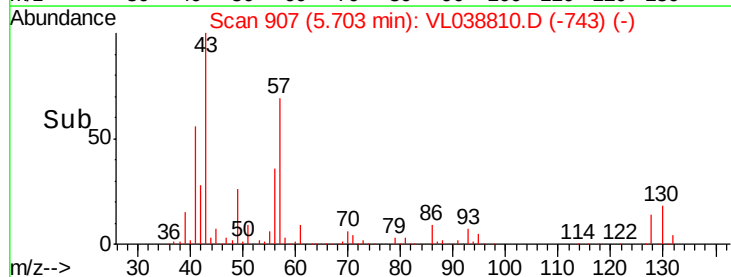
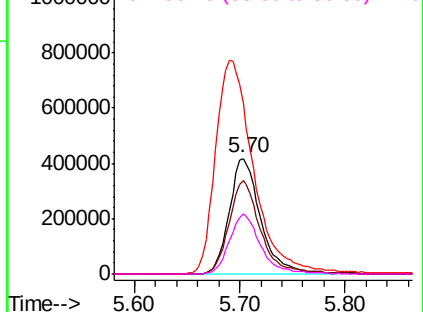


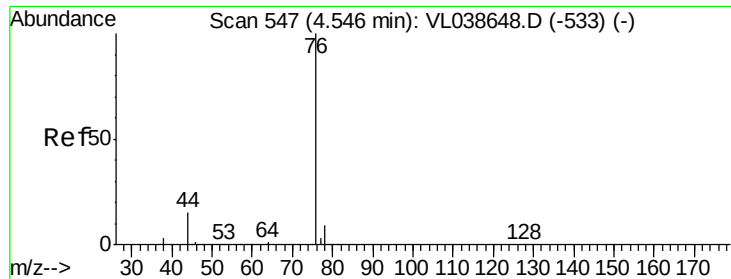
#26
Hexane
Concen: 10.565 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion:	57	Resp:	863887
Ion	Ratio	Lower	Upper
57	100		
41	81.5	67.0	100.4
43	225.2	184.2	276.2
56	51.9	42.6	64.0



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: 11.949 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Mar 2022 10:22

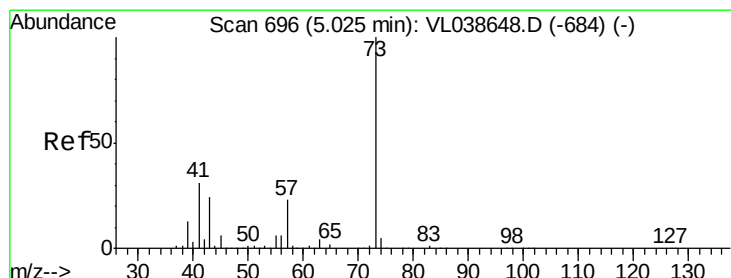
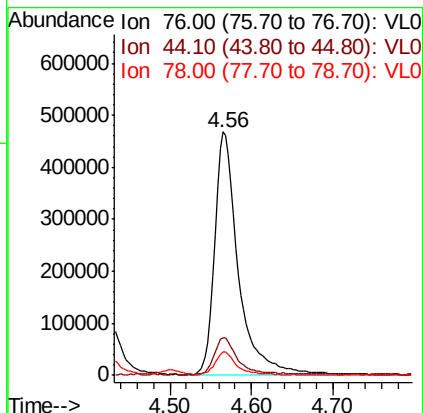
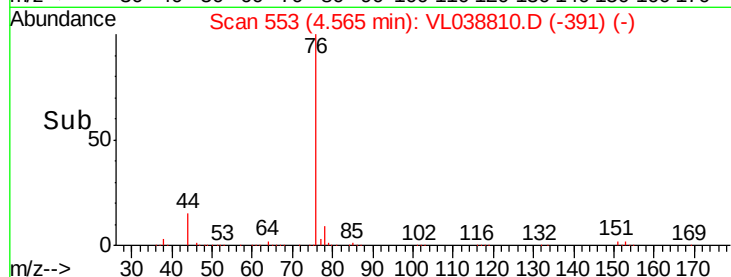
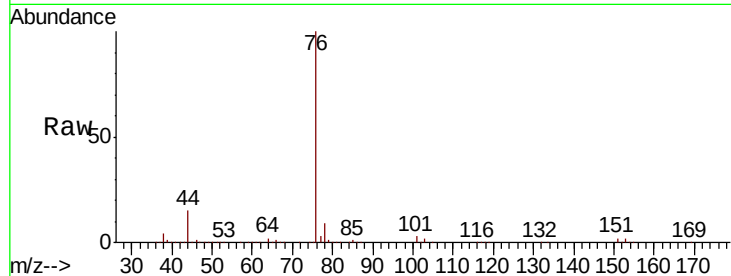
Tot Ion: 76 Resp: 958477

Ion Ratio Lower Upper

76 100

44 15.4 12.4 18.6

78 9.4 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 11.465 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.03 min

Lab File: VL038810.D

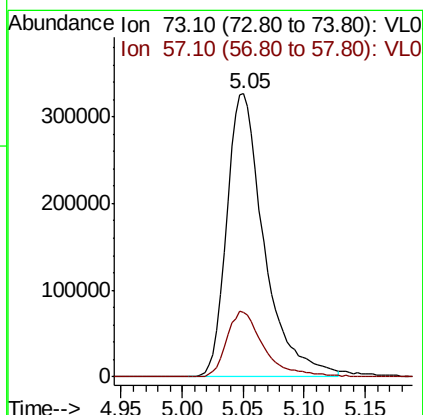
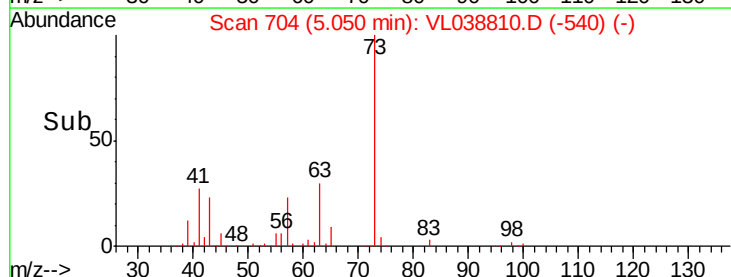
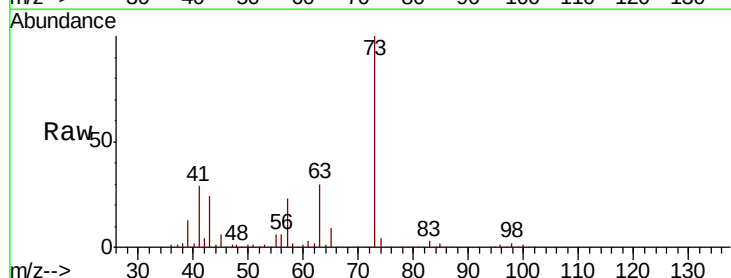
Acq: 31 Mar 2022 10:22

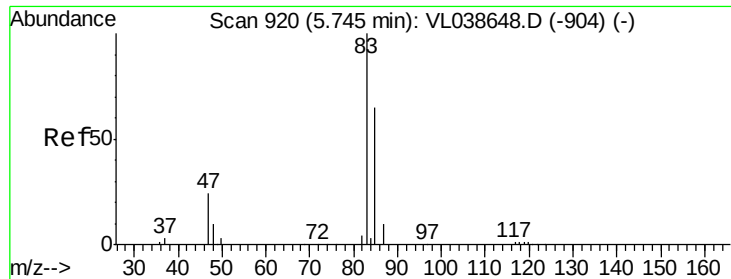
Tgt Ion: 73 Resp: 698350

Ion Ratio Lower Upper

73 100

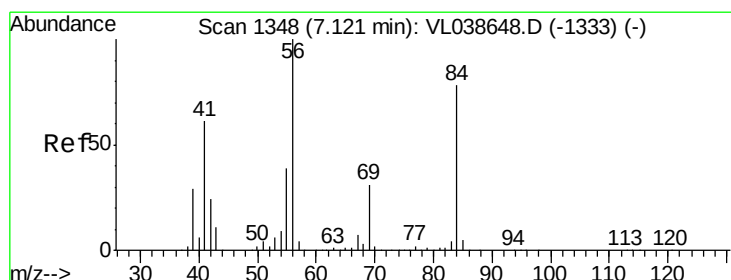
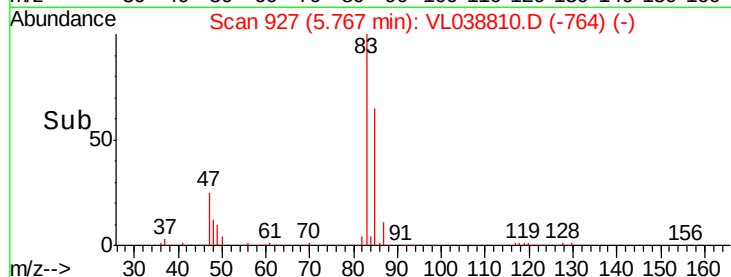
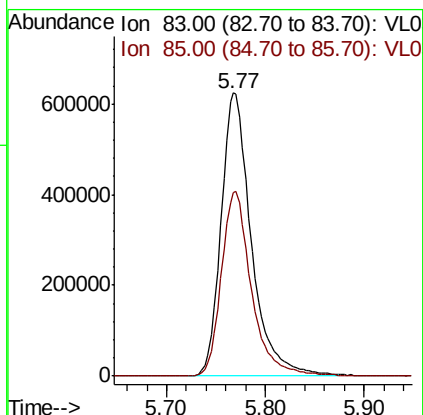
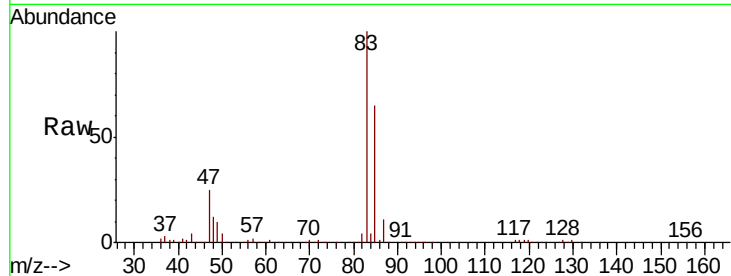
57 23.4 19.2 28.8





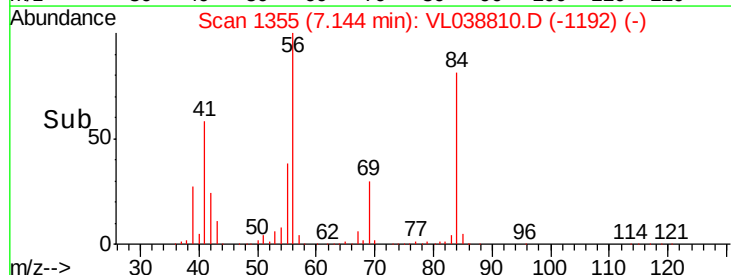
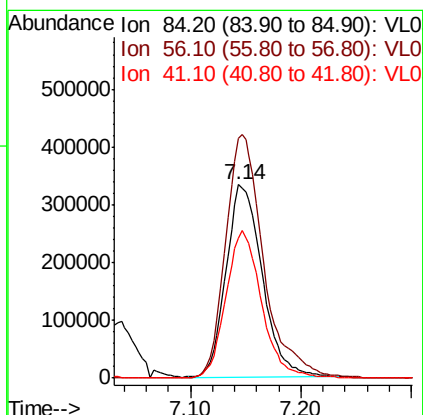
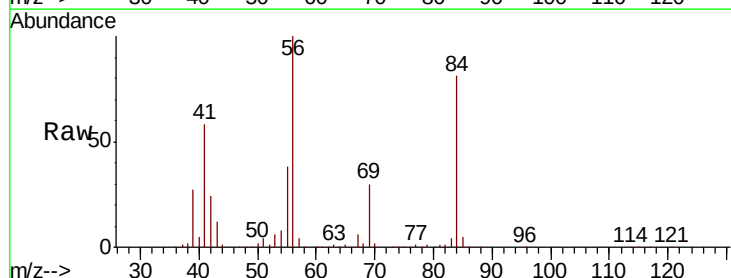
#29
Chloroform
Concen: 10.254 ppbv
RT: 5.77
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 31 Mar 2022 10:22

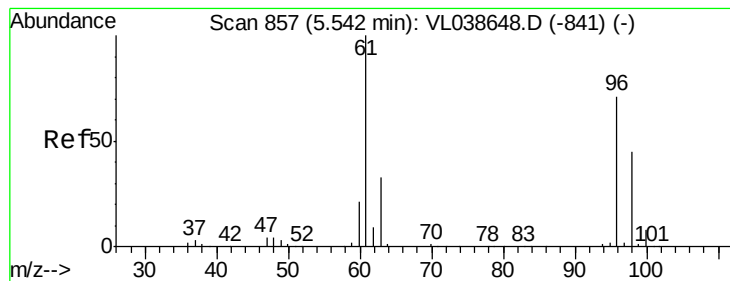
Tot Ion: 83 Resp: 1342445
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5



#30
Cyclohexane
Concen: 10.684 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.02 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion: 84 Resp: 759631
Ion Ratio Lower Upper
84 100
56 133.4 108.2 162.4
41 75.4 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 10.764 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Mar 2022 10:22

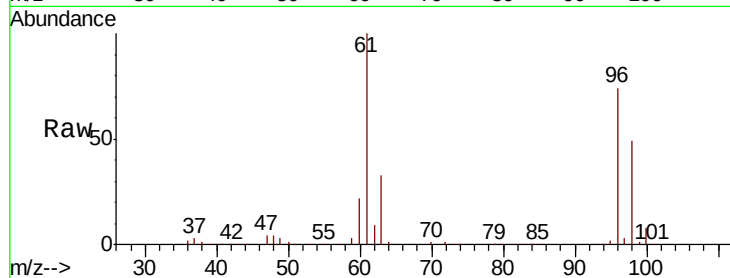
Tot Ion: 61 Resp: 827576

Ion Ratio Lower Upper

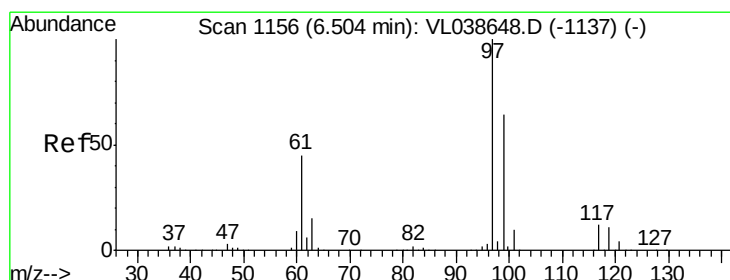
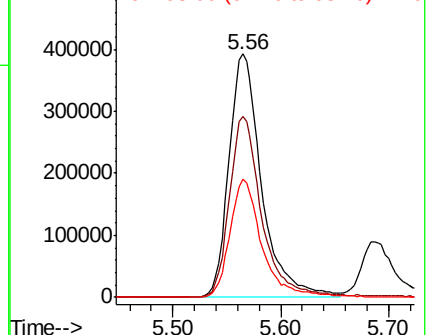
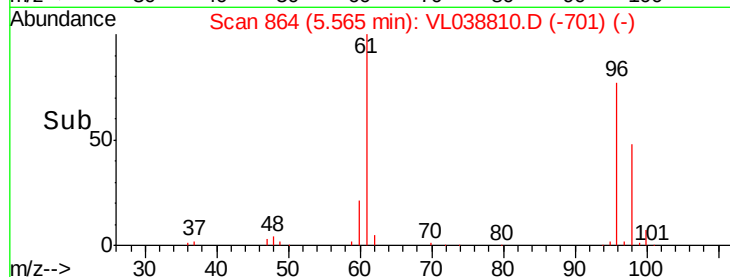
61 100

96 74.3 56.6 84.8

98 48.5 36.3 54.5



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: 10.583 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

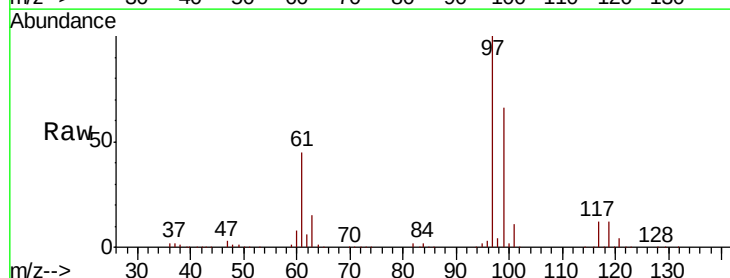
Tgt Ion: 97 Resp: 1337157

Ion Ratio Lower Upper

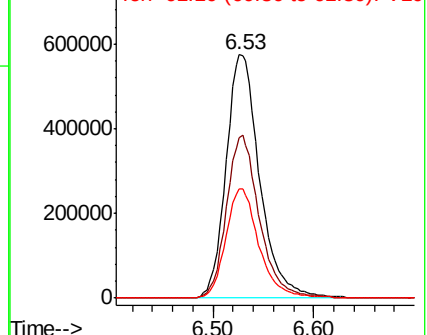
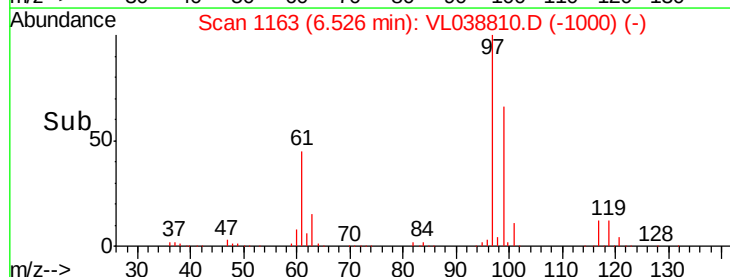
97 100

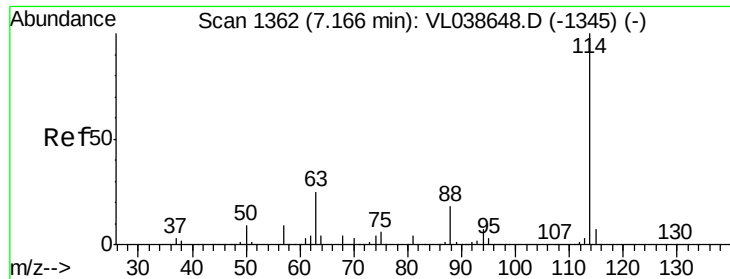
99 65.7 51.8 77.8

61 44.3 36.7 55.1



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: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Mar 2022 10:22

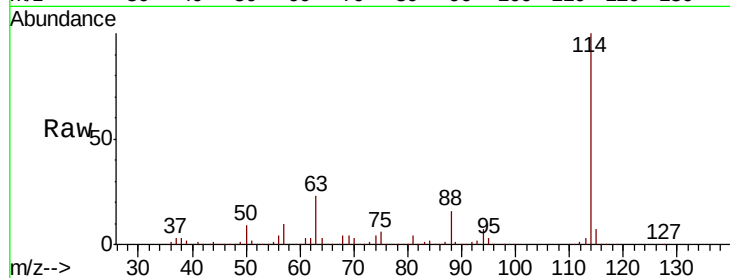
Tot Ion:114 Resp: 2405515

Ion Ratio Lower Upper

114 100

63 23.0 19.4 29.0

88 16.7 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

1500000 Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

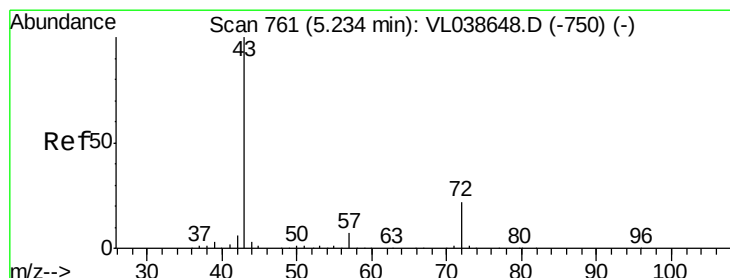
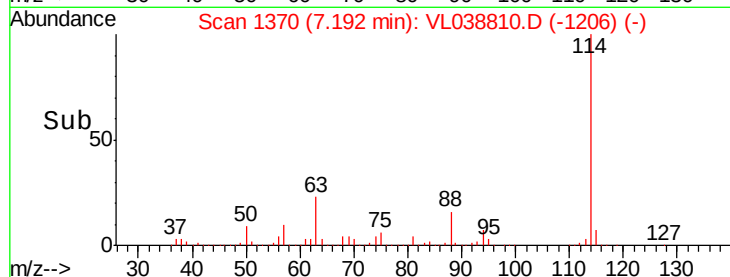
7.19

1000000

500000

0

Time-->



#34

2-Butanone

Concen: 8.872 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.03 min

Lab File: VL038810.D

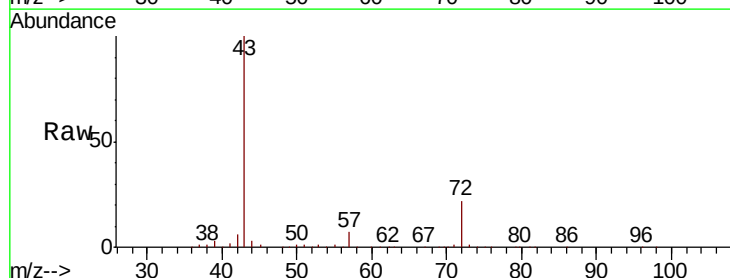
Acq: 31 Mar 2022 10:22

Tgt Ion: 43 Resp: 844677

Ion Ratio Lower Upper

43 100

72 23.0 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

5.26

400000

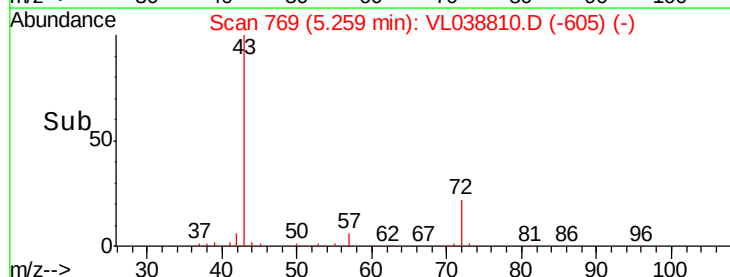
300000

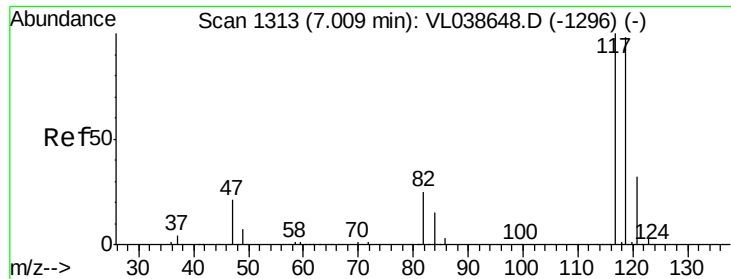
200000

100000

0

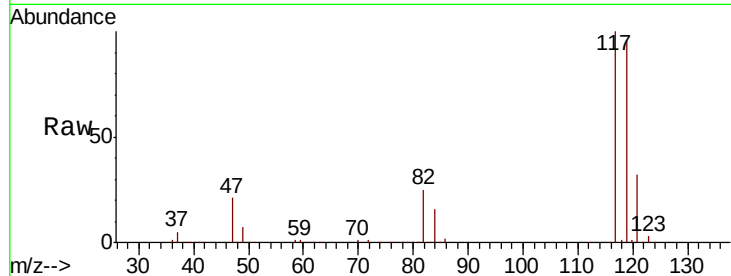
Time-->



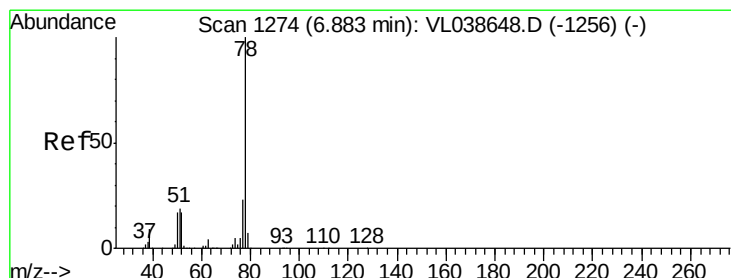
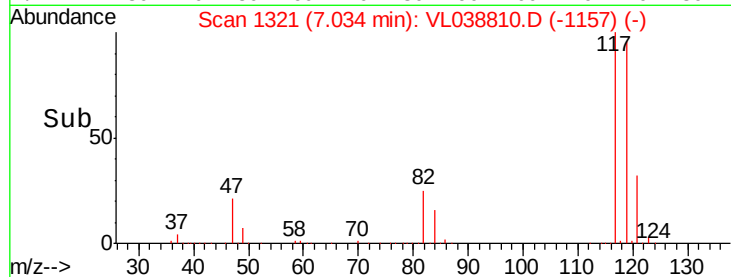
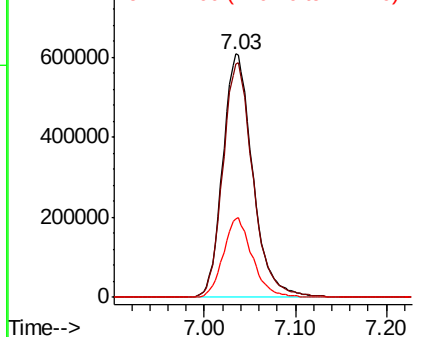


#35
Carbon Tetrachloride
Concen: 9.987 ppbv
RT: 7.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 Mar 2022 10:22

Tot Ion:117 Resp: 1393923
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1
121 32.1 25.8 38.6

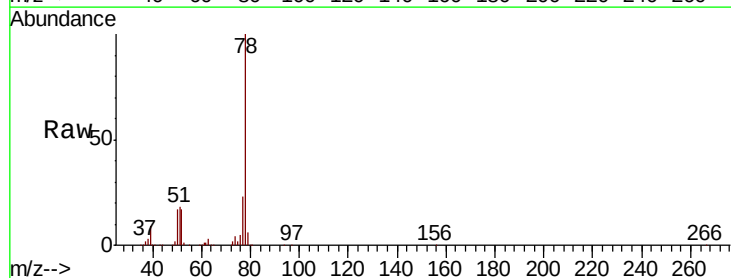


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

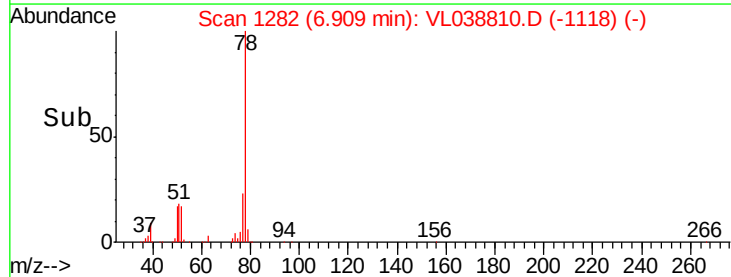
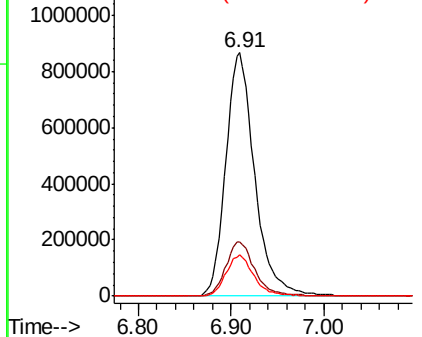


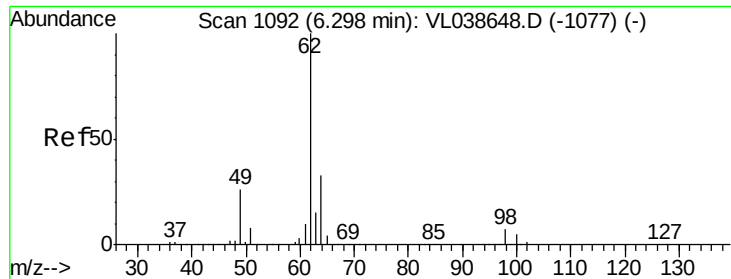
#36
Benzene
Concen: 10.098 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion: 78 Resp: 1874754
Ion Ratio Lower Upper
78 100
77 22.5 18.1 27.1
50 16.9 13.6 20.4



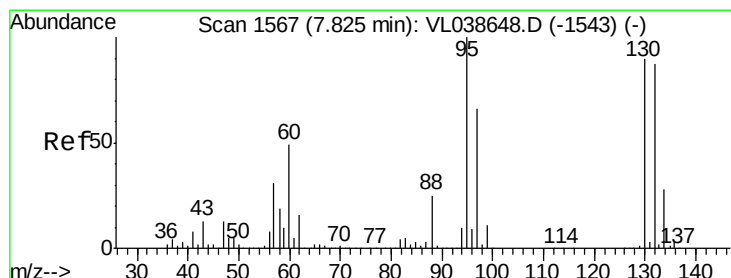
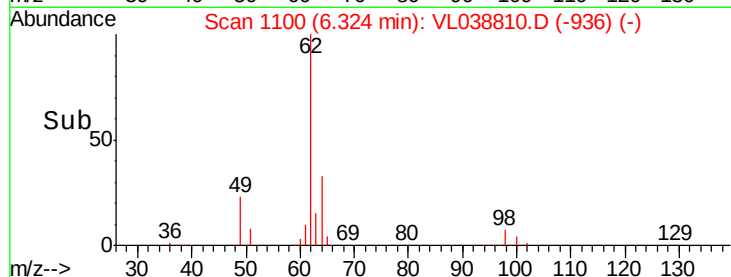
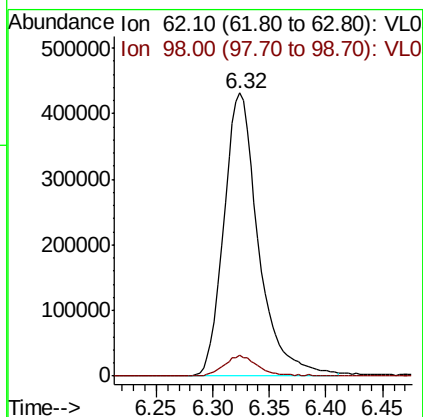
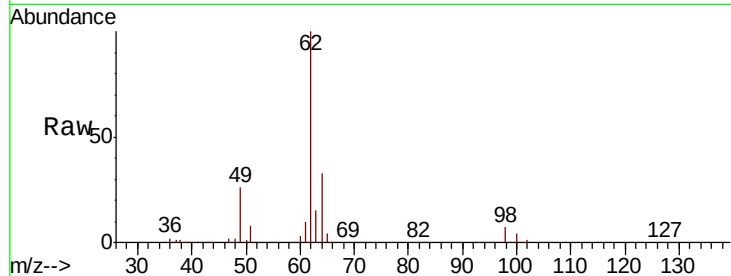
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





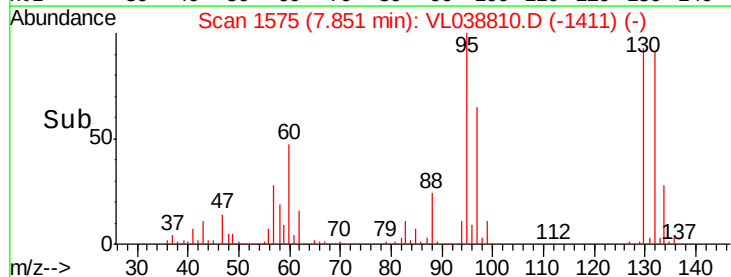
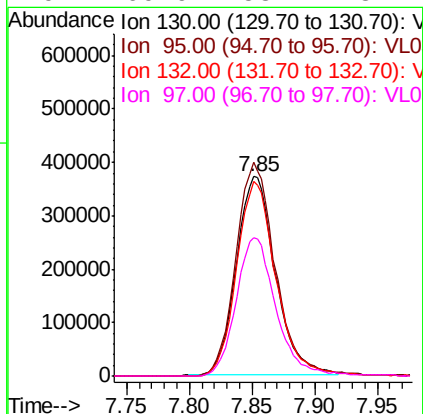
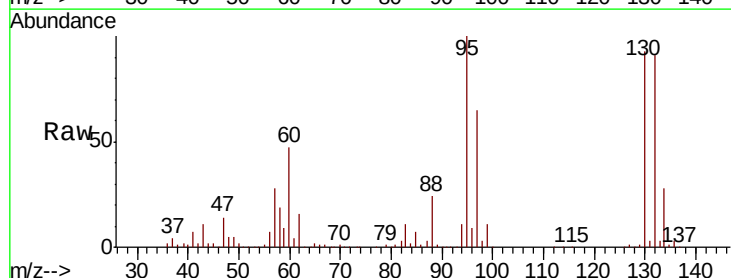
#37
 1,2-Dichloroethane
 Concen: 9.744 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 Mar 2022 10:22

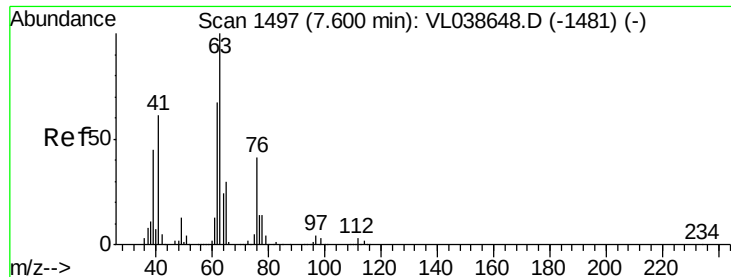
Tot Ion: 62 Resp: 920236
 Ion Ratio Lower Upper
 62 100
 98 7.4 5.6 8.4



#38
 Trichloroethene
 Concen: 10.392 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

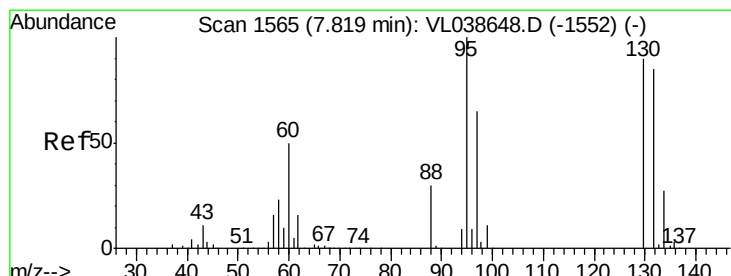
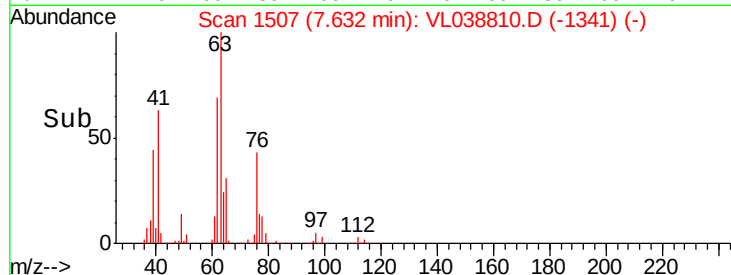
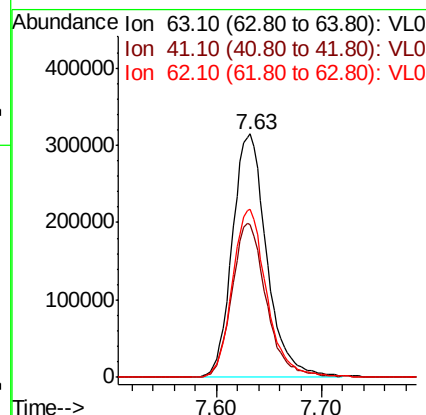
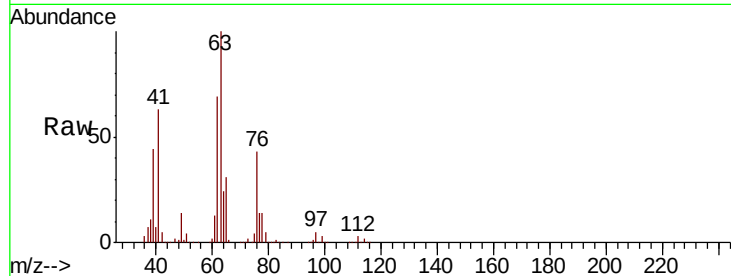
Tgt Ion:130 Resp: 808242
 Ion Ratio Lower Upper
 130 100
 95 107.6 88.9 133.3
 132 98.2 77.4 116.0
 97 69.9 58.2 87.4





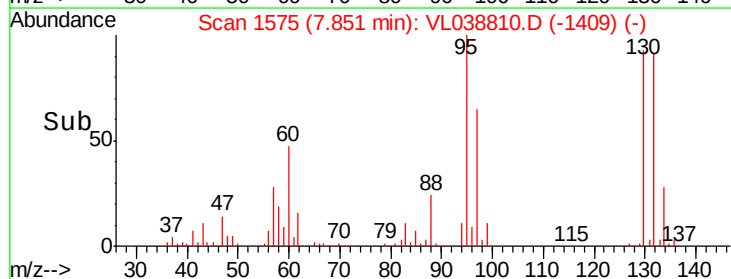
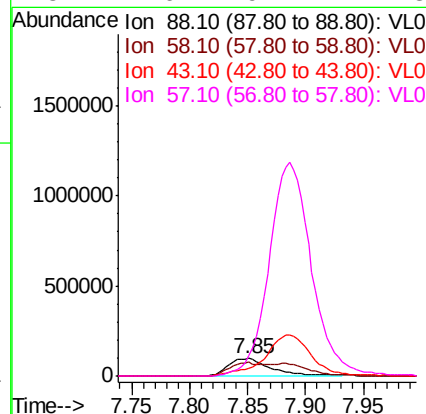
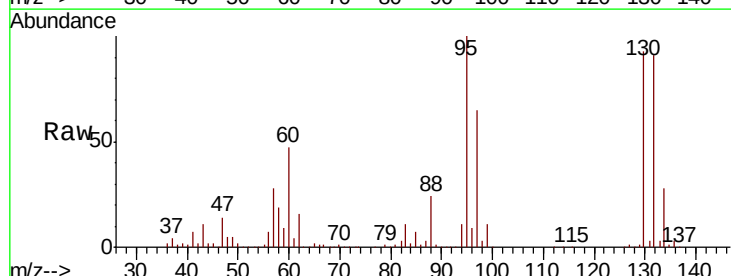
#39
 1,2-Dichloropropane
 Concen: 9.793 ppbv
 RT: 7.63 Instrument :
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 31 Mar 2022 10:22

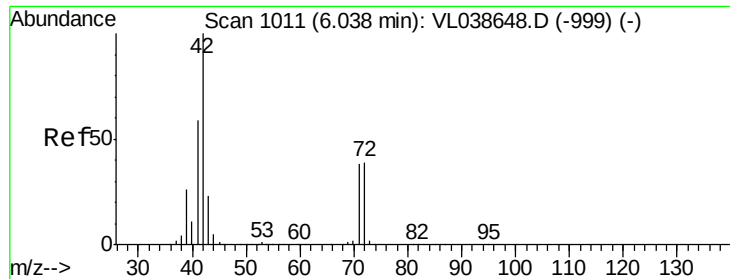
Tot Ion	63	Resp	710742
Ion Ratio	Lower	Upper	
63	100		
41	62.7	49.0	73.6
62	68.8	53.9	80.9



#40
 1,4-Dioxane
 Concen: 9.847 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

Tgt Ion	88	Resp	248189
Ion Ratio	Lower	Upper	
88	100		
58	128.1	105.6	158.4
43	256.7	201.9	302.9
57	1220.2	942.1	1413.1





#41

Tetrahydrofuran

Concen: 10.408 ppbv

RT: 6.06

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 31 Mar 2022 10:22

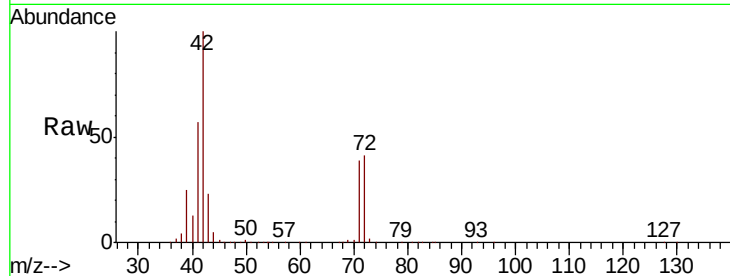
Tot Ion: 42 Resp: 737540

Ion Ratio Lower Upper

42 100

72 40.5 32.5 48.7

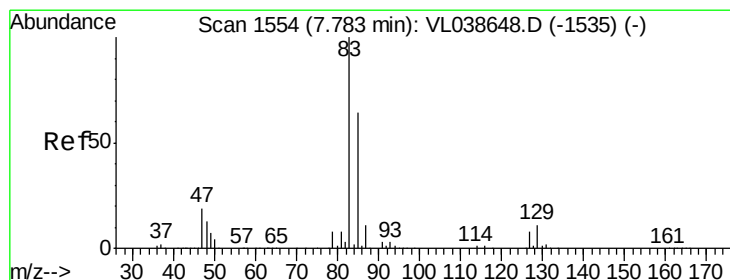
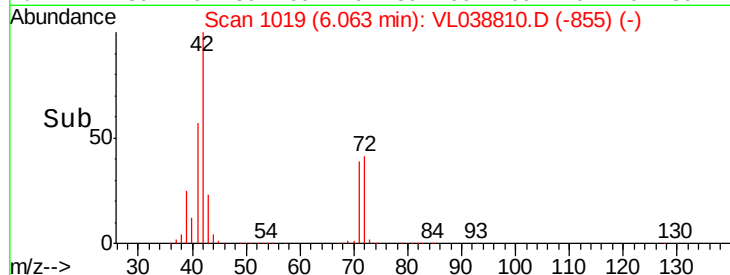
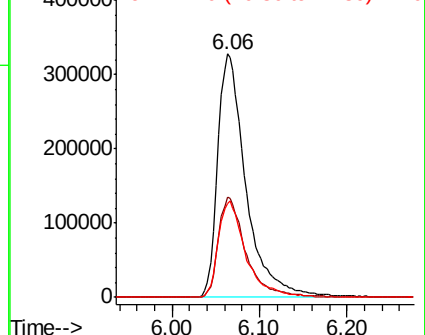
71 38.9 31.4 47.2



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: 10.198 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.03 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

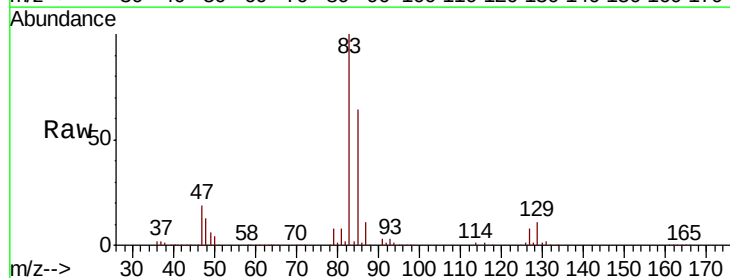
Tgt Ion: 83 Resp: 1443932

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

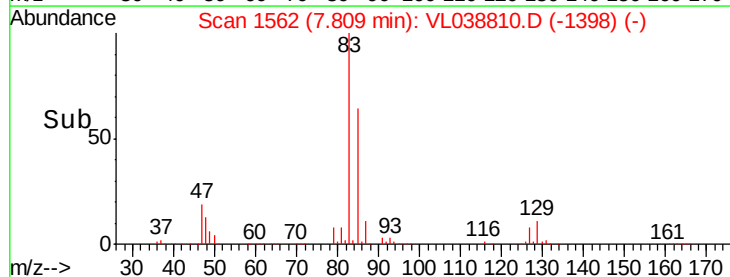
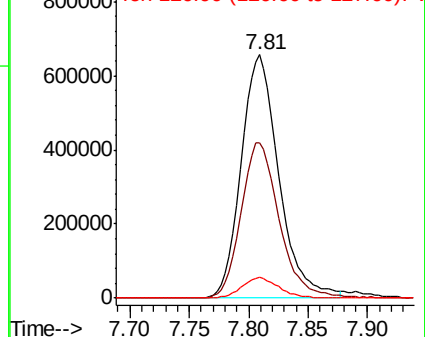
127 8.5 6.5 9.7

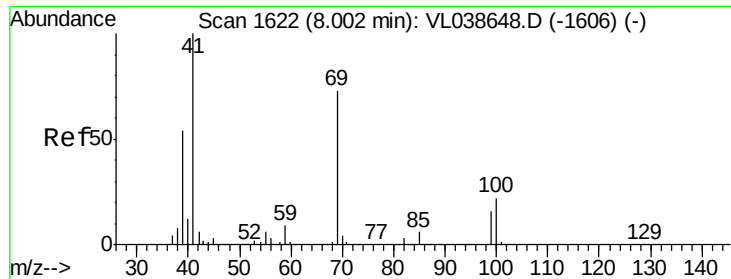


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

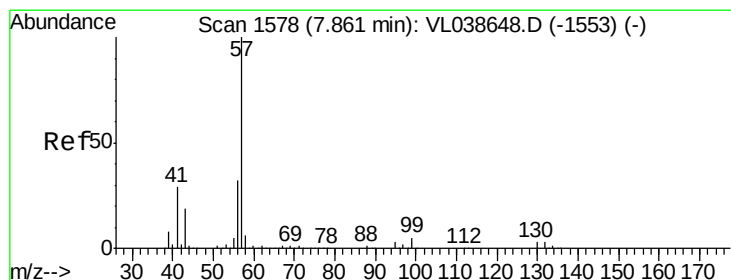
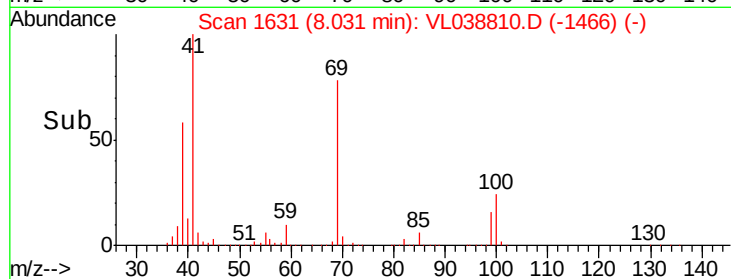
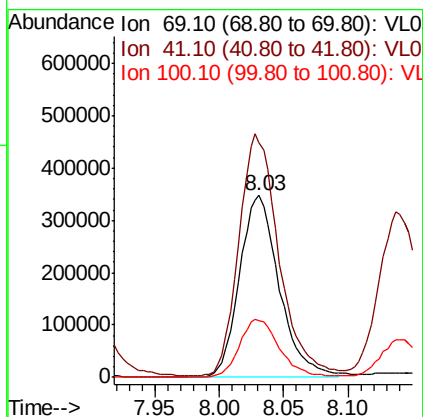
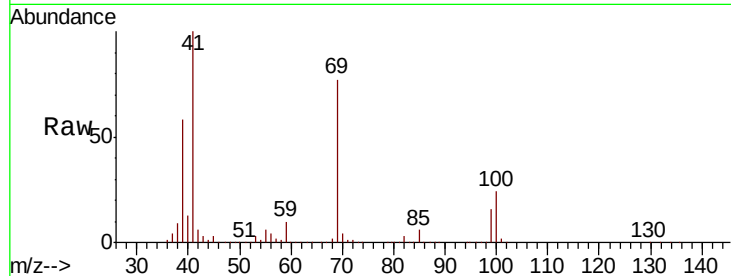
Ion 126.90 (126.60 to 127.60): V





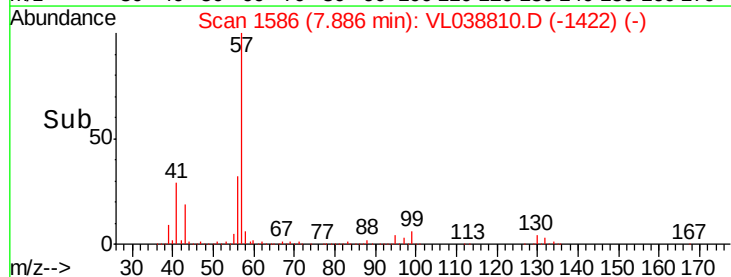
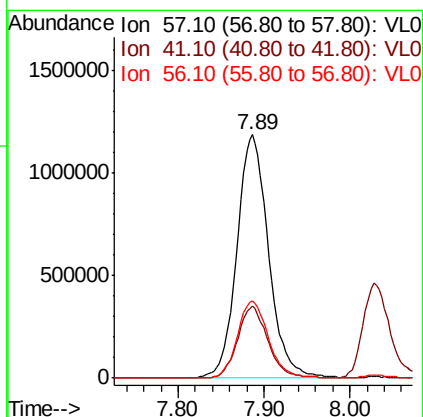
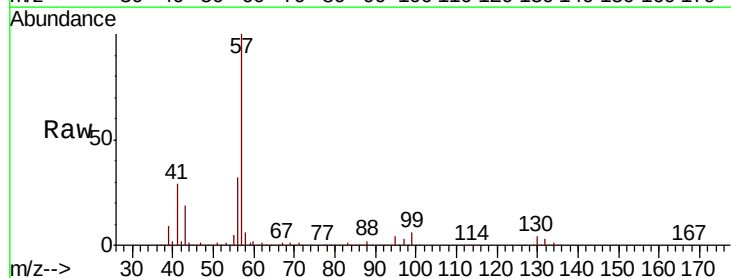
#43
Methyl Methacrylate
Concen: 10.812 ppbv
RT: 8.03
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 Mar 2022 10:22

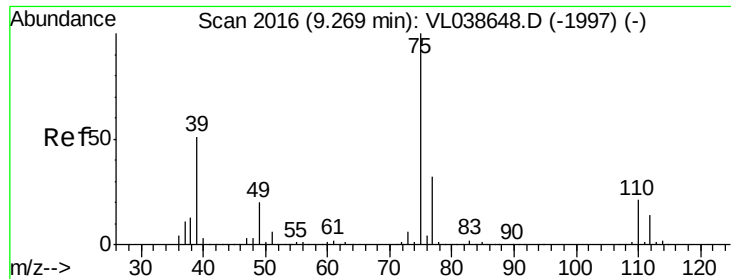
Tot Ion: 69 Resp: 745206
Ion Ratio Lower Upper
69 100
41 136.0 110.3 165.5
100 32.2 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 9.703 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

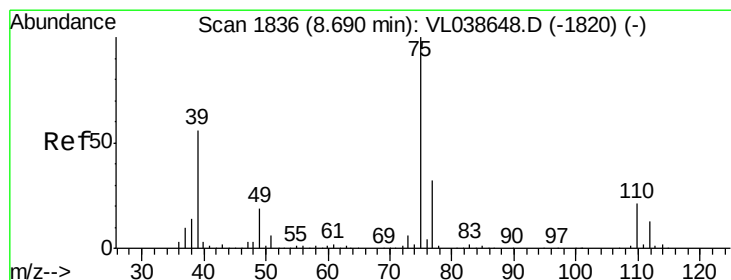
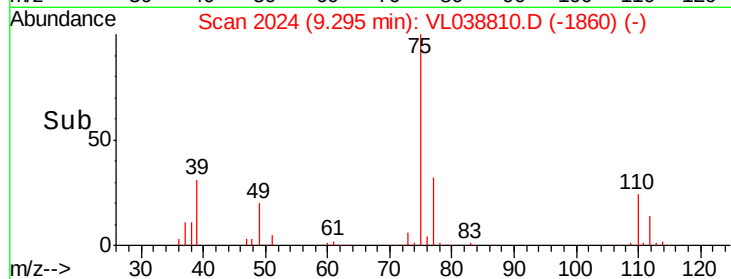
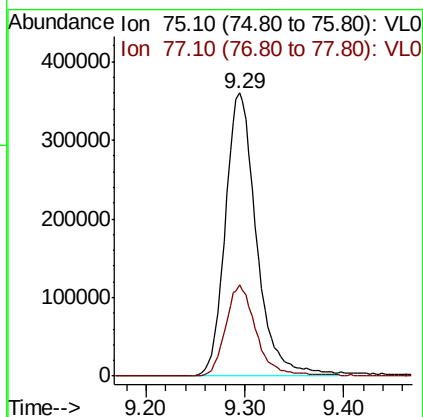
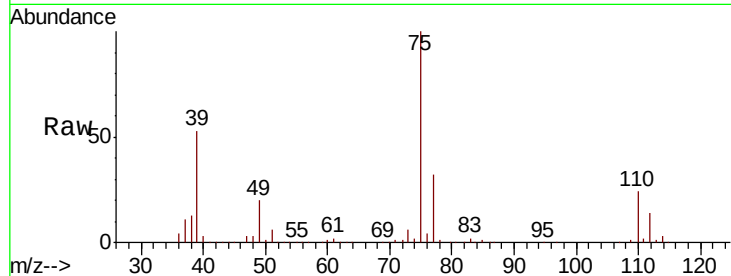
Tgt Ion: 57 Resp: 3024471
Ion Ratio Lower Upper
57 100
41 28.3 23.0 34.4
56 31.2 25.3 37.9





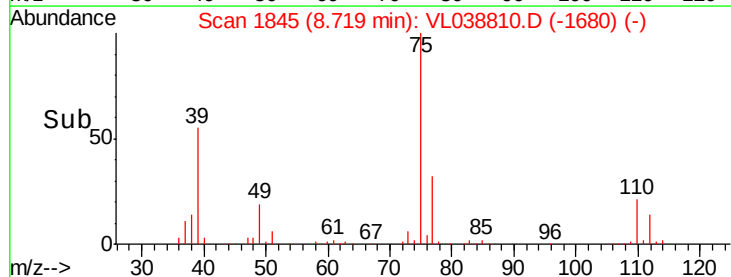
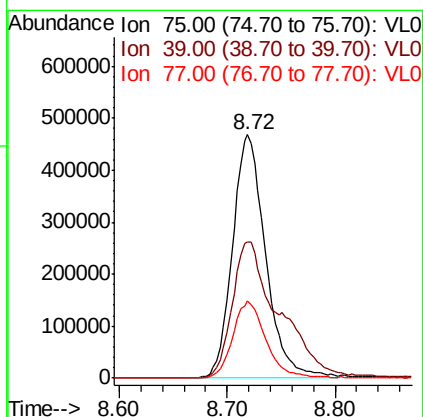
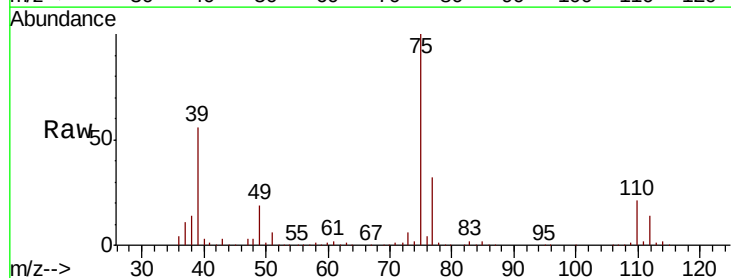
#45
t-1,3-Dichloropropene
Concen: 11.308 ppbv
RT: 9.29
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 Mar 2022 10:22

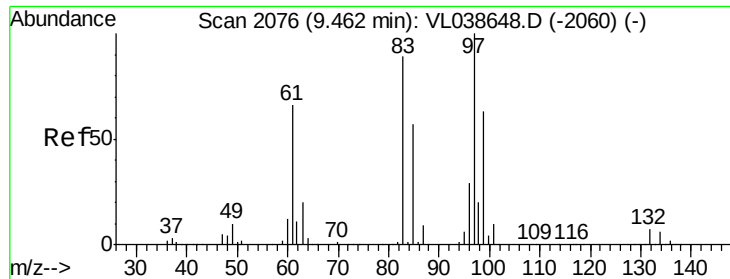
Tot Ion: 75 Resp: 792501
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3



#46
cis-1,3-Dichloropropene
Concen: 10.547 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion: 75 Resp: 999466
Ion Ratio Lower Upper
75 100
39 55.9 44.8 67.2
77 31.5 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.910 ppbv

RT: 9.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Mar 2022 10:22

Tot Ion: 97 Resp: 767876

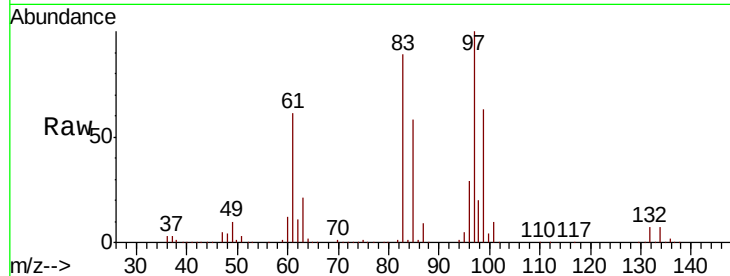
Ion Ratio Lower Upper

97 100

83 88.8 71.2 106.8

85 57.6 45.3 67.9

99 63.2 50.6 76.0

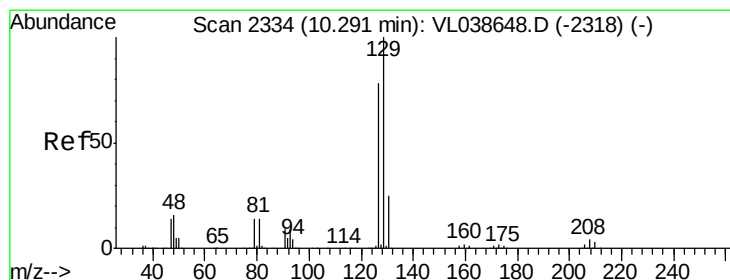
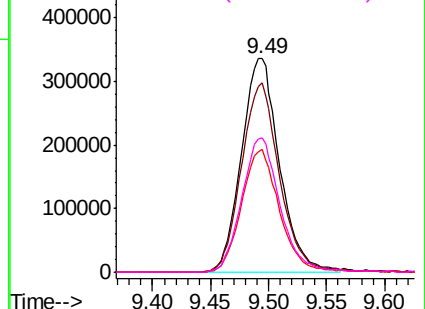
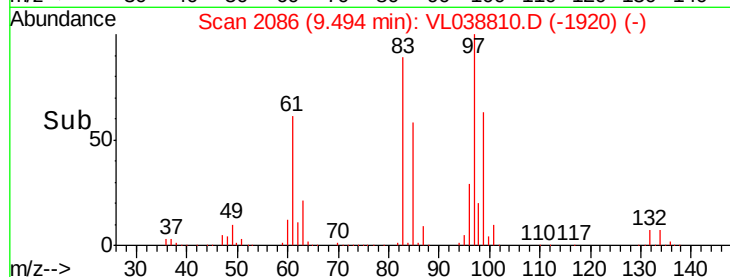


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.012 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.03 min

Lab File: VL038810.D

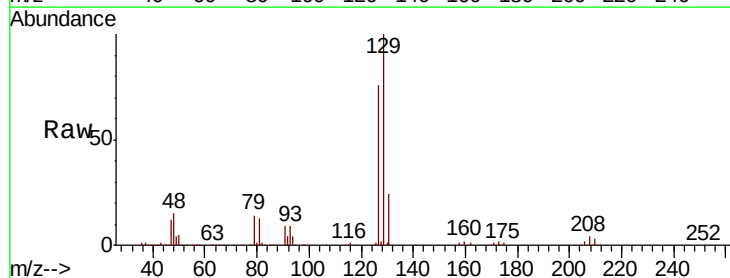
Acq: 31 Mar 2022 10:22

Tgt Ion: 129 Resp: 1336660

Ion Ratio Lower Upper

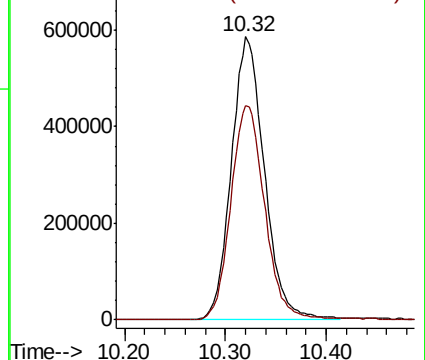
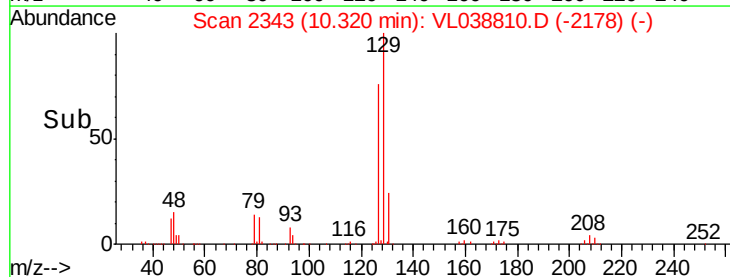
129 100

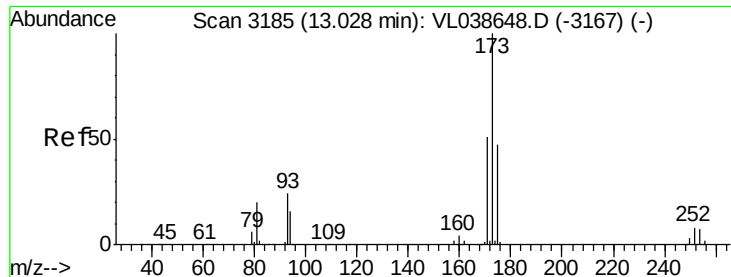
127 78.6 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.200 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 31 Mar 2022 10:22

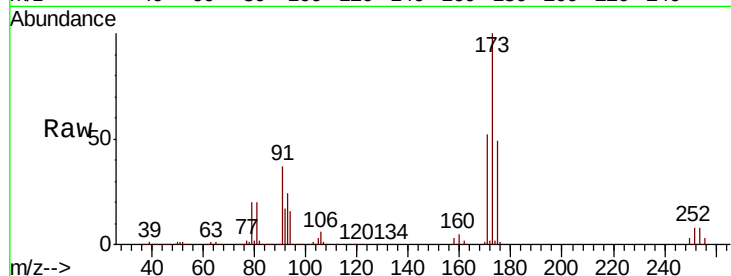
Tot Ion:173 Resp: 1107982

Ion Ratio Lower Upper

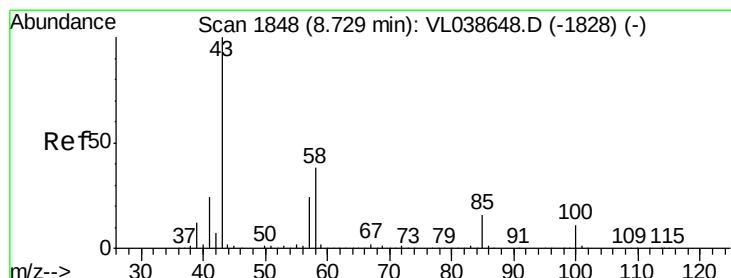
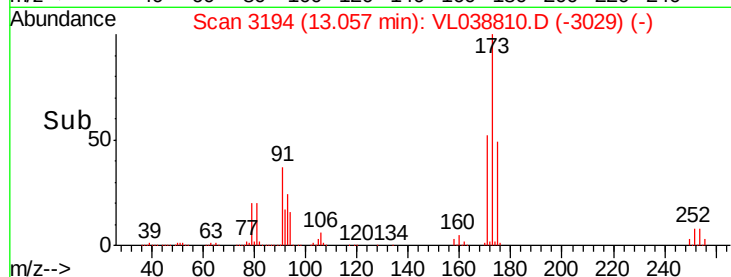
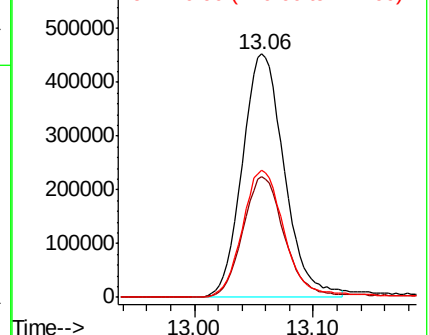
173 100

175 51.3 41.0 61.6

171 54.4 43.1 64.7



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: 10.029 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.03 min

Lab File: VL038810.D

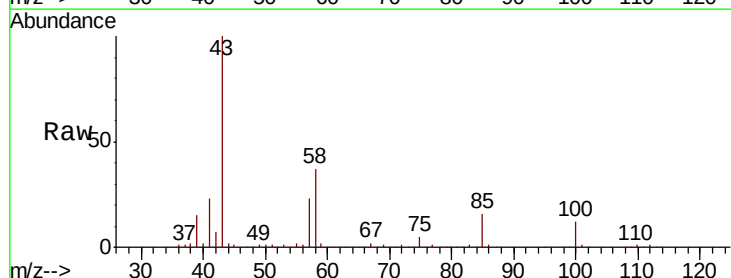
Acq: 31 Mar 2022 10:22

Tgt Ion: 43 Resp: 1775311

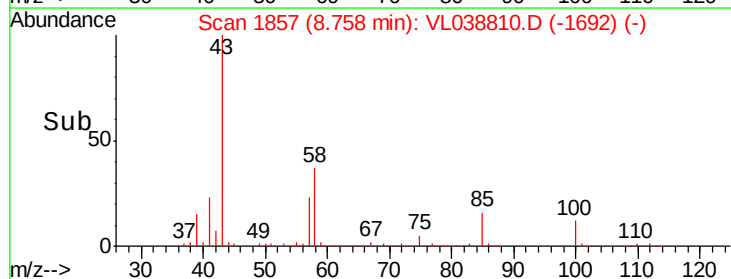
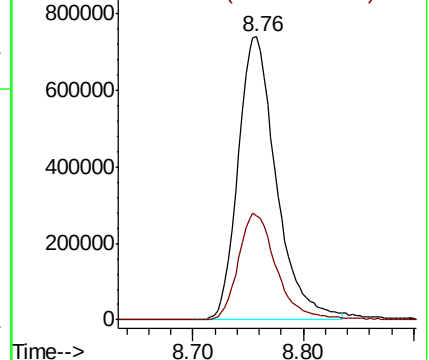
Ion Ratio Lower Upper

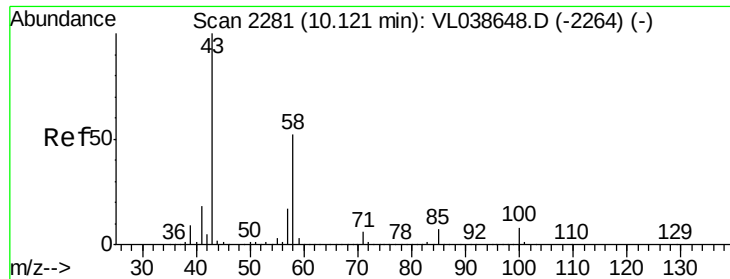
43 100

58 38.1 29.9 44.9



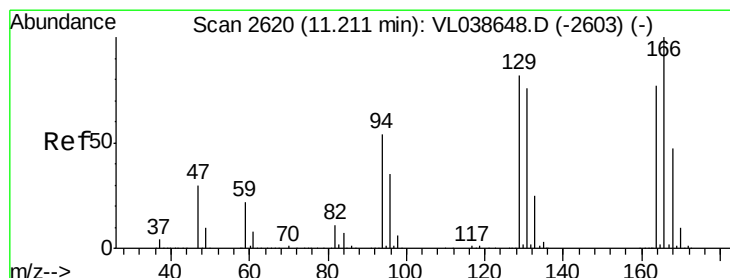
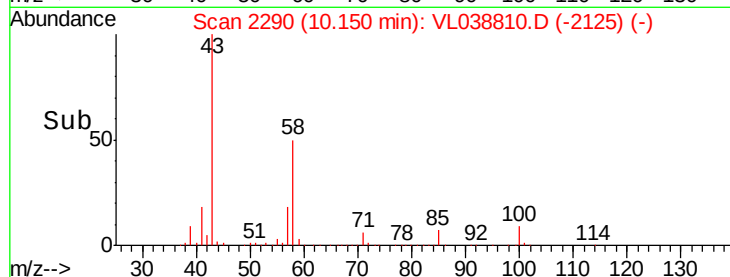
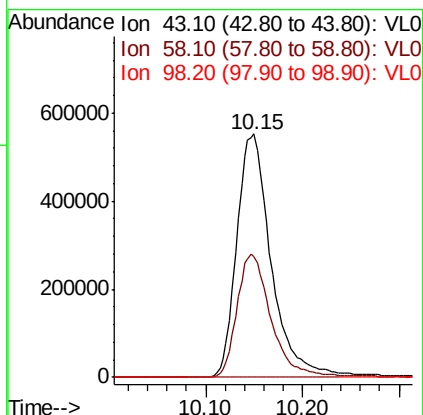
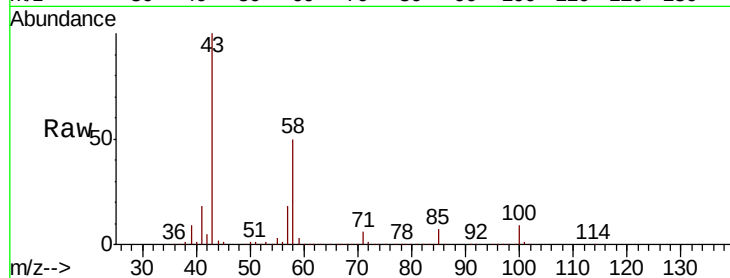
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





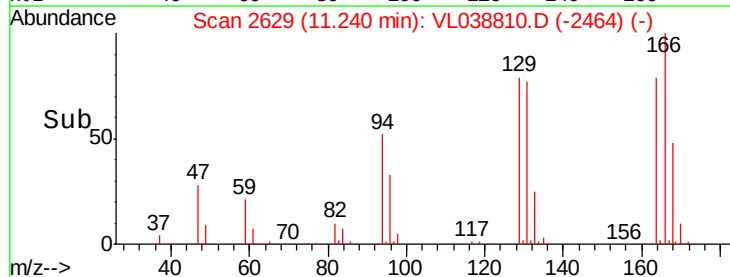
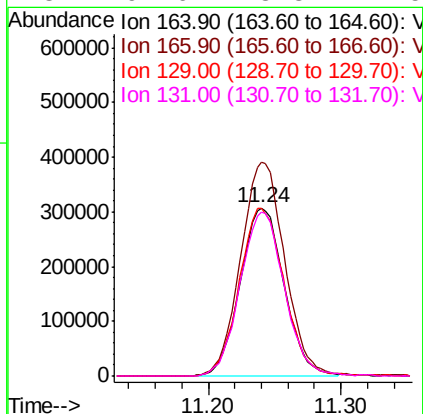
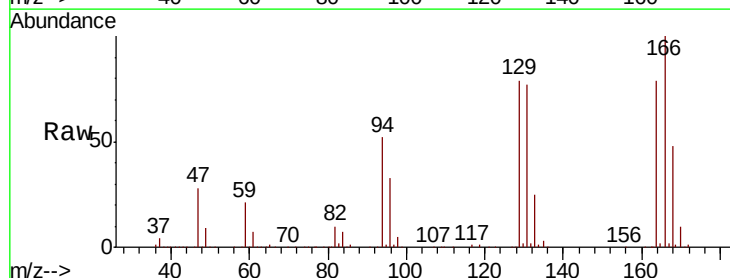
#51
2-Hexanone
Concen: 10.675 ppbv
RT: 10.15 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 Mar 2022 10:22

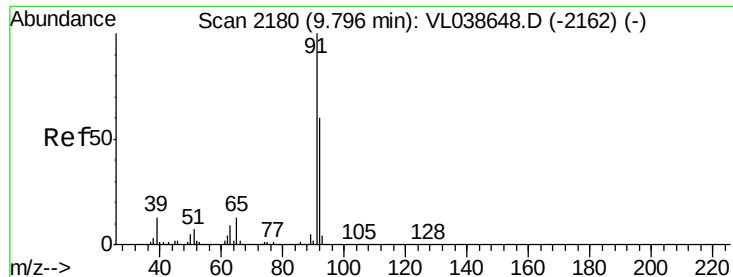
Tot Ion: 43 Resp: 1357246
Ion Ratio Lower Upper
43 100
58 51.2 41.2 61.8
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 10.395 ppbv
RT: 11.24 min Scan# 2629
Delta R.T.: 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion: 164 Resp: 706251
Ion Ratio Lower Upper
164 100
166 127.2 103.3 154.9
129 99.9 85.2 127.8
131 97.6 78.3 117.5





#53

Toluene

Concen: 10.704 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

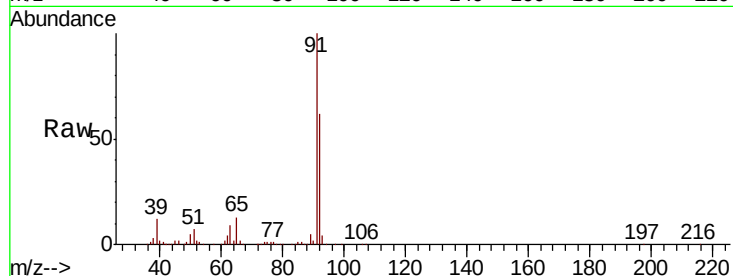
Acq: 31 Mar 2022 10:22

Tot Ion: 91 Resp: 2135190

Ion Ratio Lower Upper

91 100

92 60.7 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.82

1000000

800000

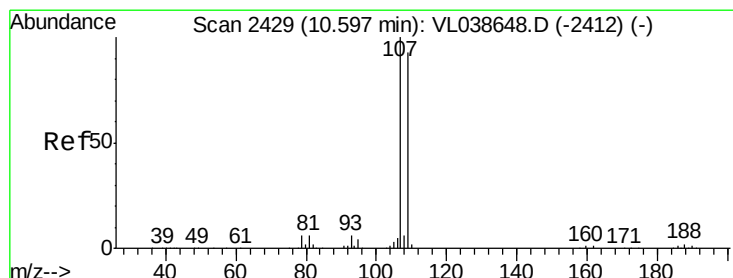
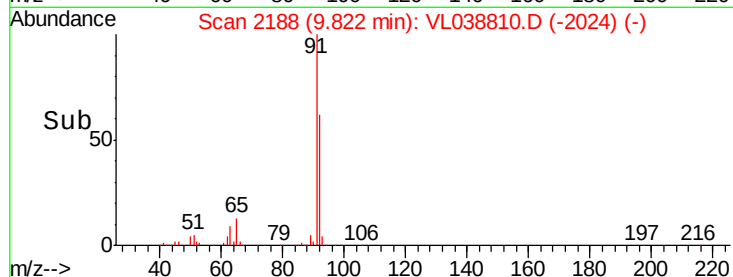
600000

400000

200000

0

Time--> 9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 10.611 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.03 min

Lab File: VL038810.D

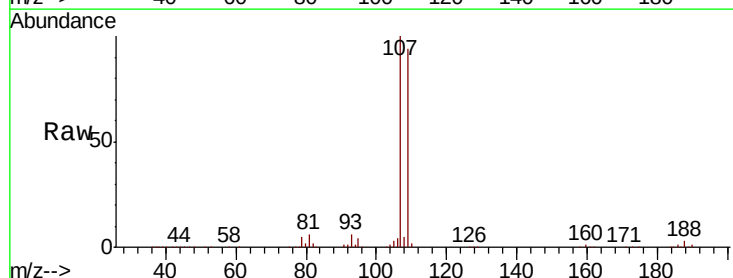
Acq: 31 Mar 2022 10:22

Tgt Ion:107 Resp: 1122728

Ion Ratio Lower Upper

107 100

109 94.3 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.63

500000

400000

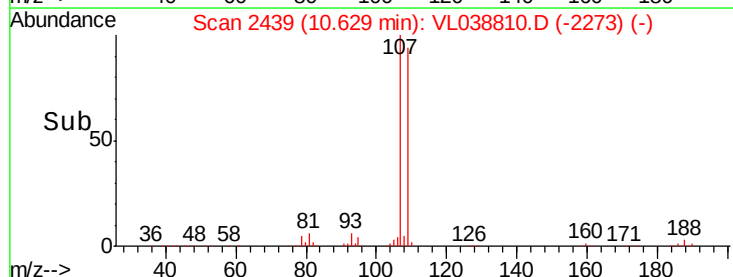
300000

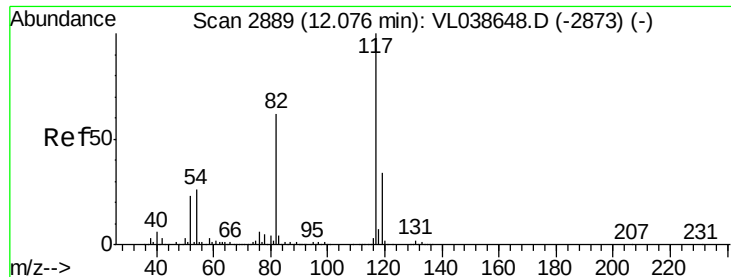
200000

100000

0

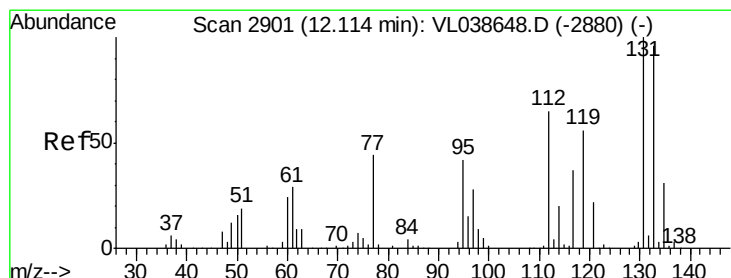
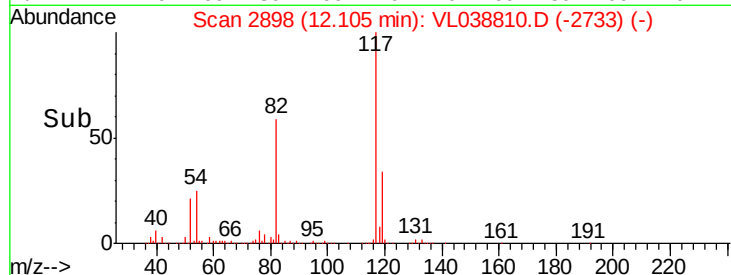
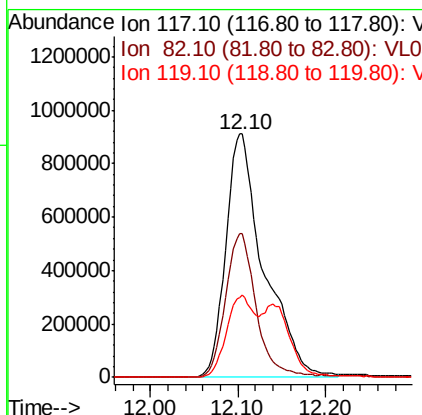
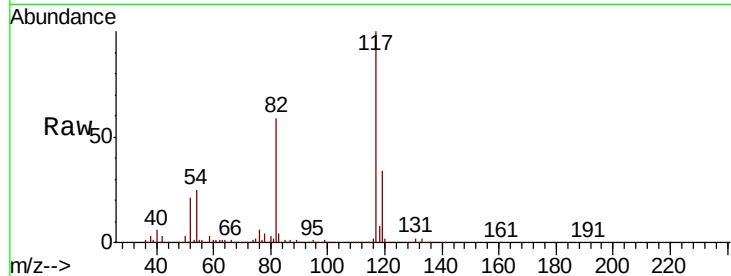
Time--> 10.50 10.60 10.70





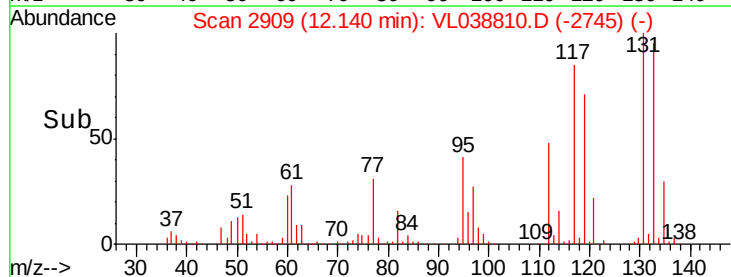
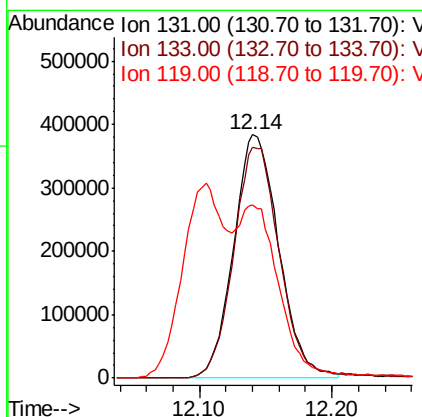
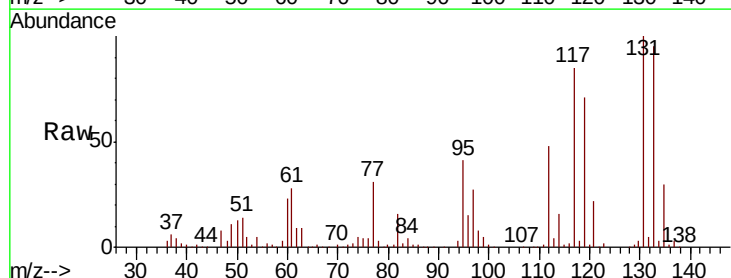
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 10:22

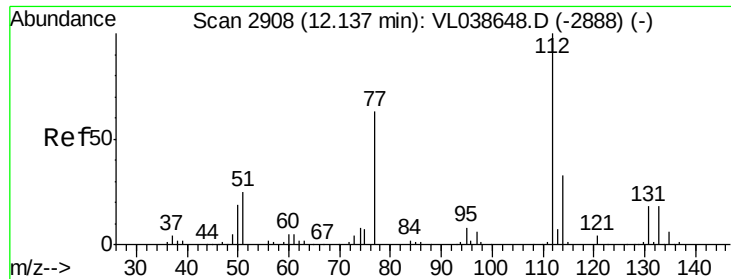
Tot Ion:117 Resp: 2750411
 Ion Ratio Lower Upper
 117 100
 82 49.0 51.6 77.4#
 119 27.1 26.9 40.3



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.981 ppbv
 RT: 12.14 min Scan# 2909
 Delta R.T.: 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

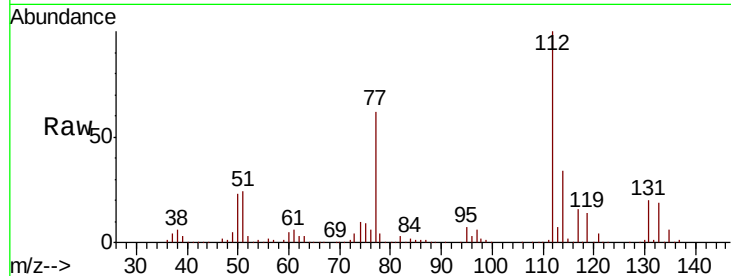
Tgt Ion:131 Resp: 910017
 Ion Ratio Lower Upper
 131 100
 133 98.7 77.3 115.9
 119 68.8 53.0 79.6



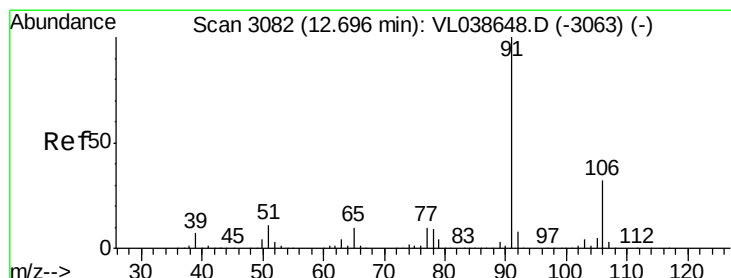
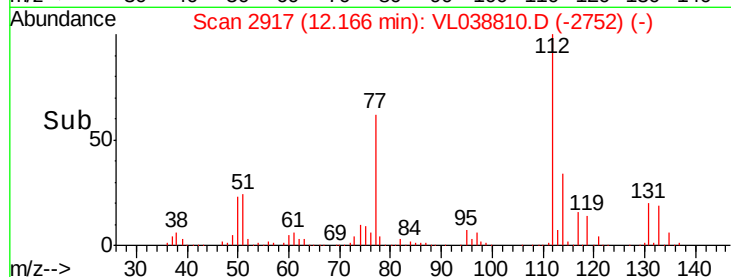
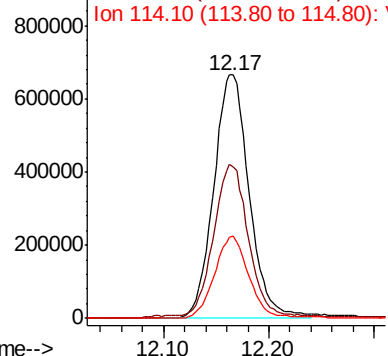


#57
Chlorobenzene
Concen: 7.857 ppbv
RT: 12.17 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 31 Mar 2022 10:22

Tot Ion: 112 Resp: 1558676
Ion Ratio Lower Upper
112 100
77 61.1 51.0 76.6
114 33.9 29.8 36.4

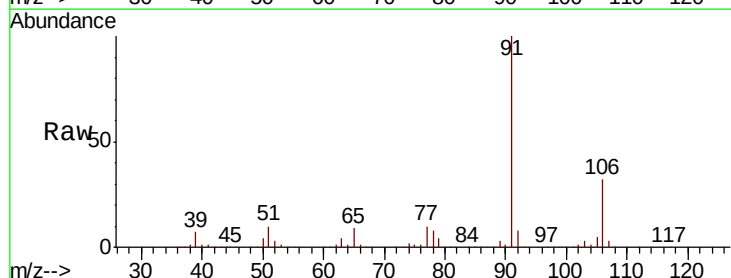


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

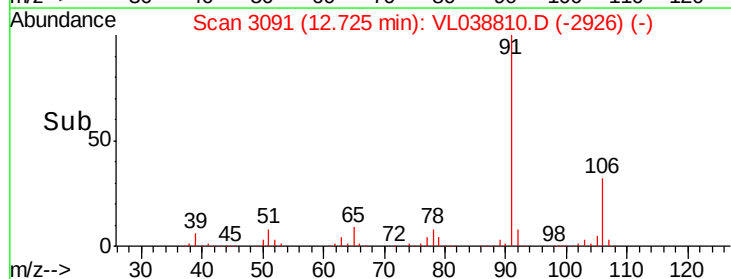
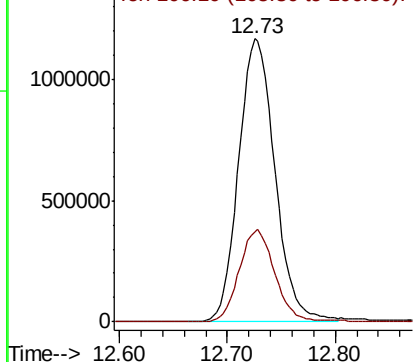


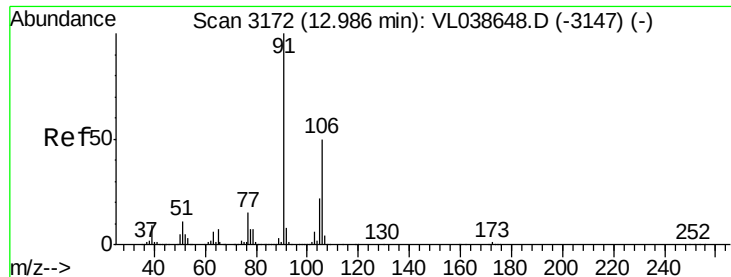
#58
Ethyl Benzene
Concen: 8.516 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion: 91 Resp: 2738336
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0



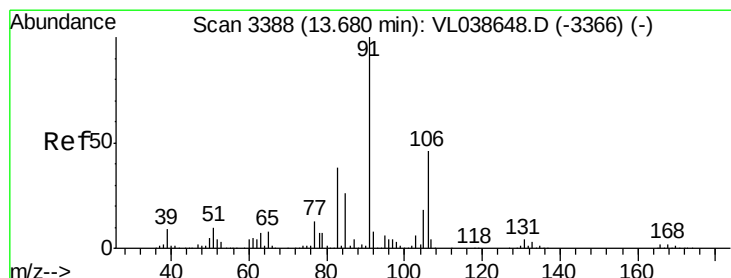
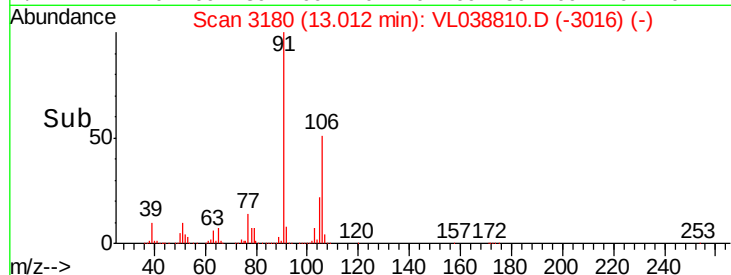
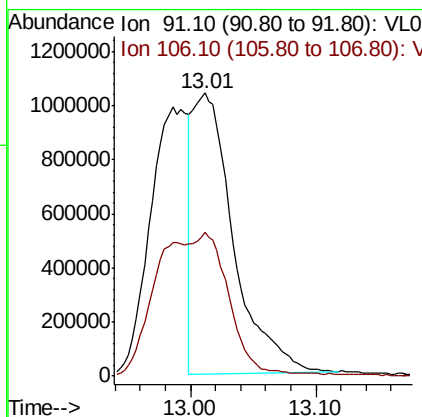
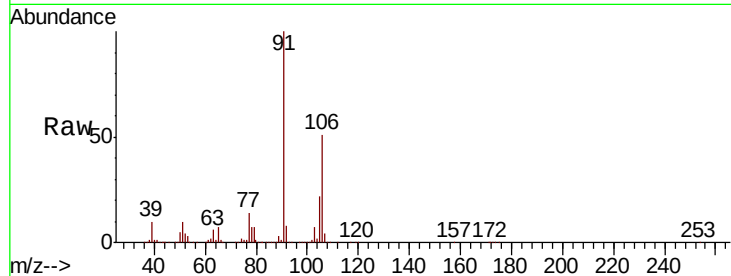
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





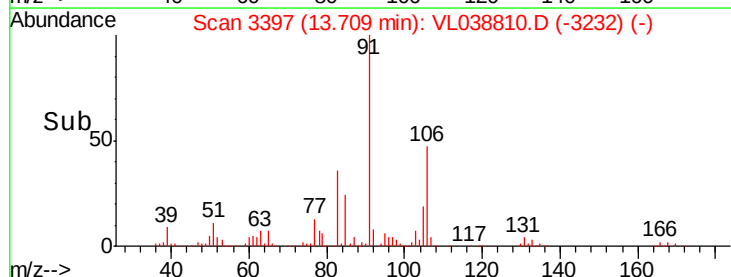
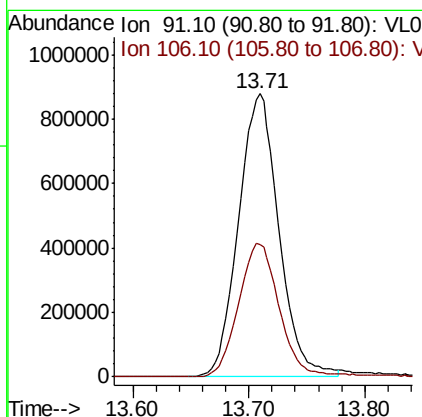
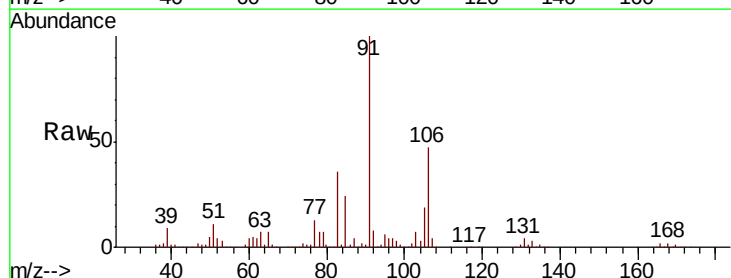
#59
m/p-Xylene
Concen: 8.284 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 31 Mar 2022 10:22

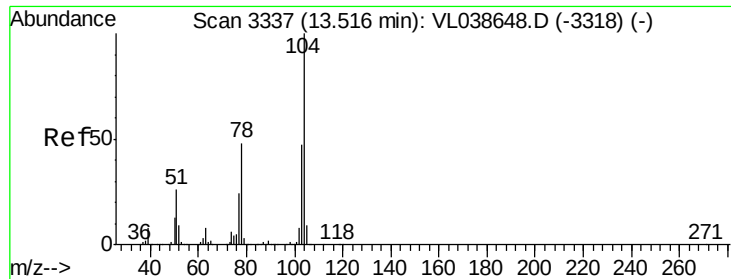
Tot Ion: 91 Resp: 2329890
Ion Ratio Lower Upper
91 100
106 92.2 37.2 55.8#



#60
o-Xylene
Concen: 7.910 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

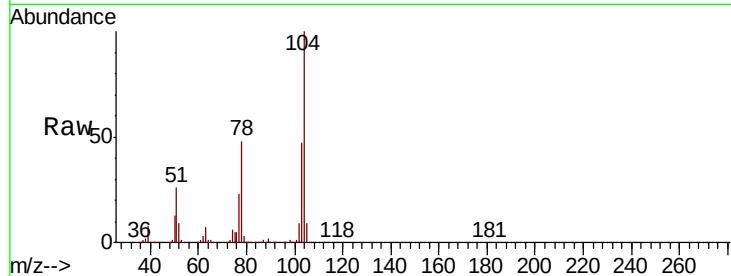
Tgt Ion: 91 Resp: 2112349
Ion Ratio Lower Upper
91 100
106 48.8 23.5 70.5



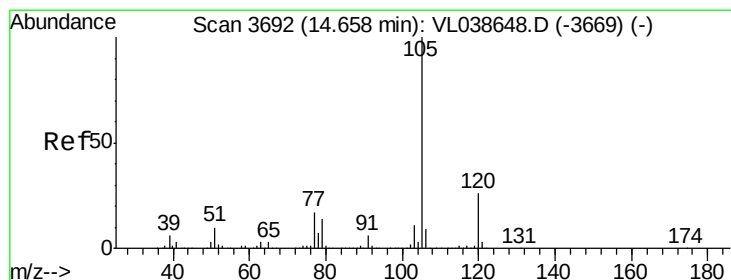
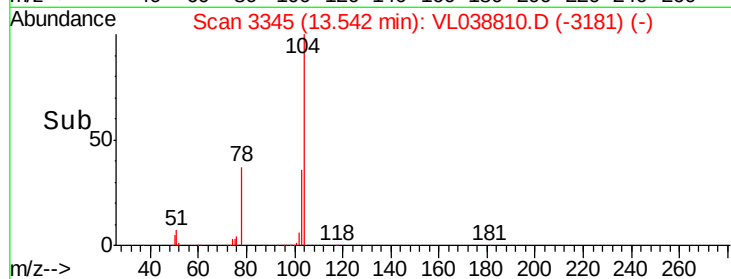
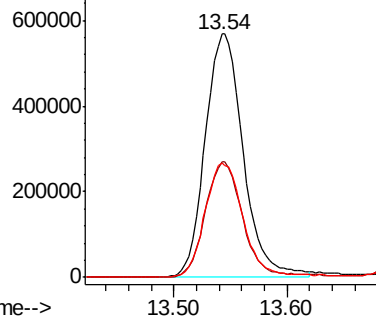


#61
Stvrene
Concen: 9.201 ppbv
RT: 13.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 Mar 2022 10:22

Tot Ion:104 Resp: 1332513
Ion Ratio Lower Upper
104 100
78 47.5 39.0 58.4
103 47.8 37.8 56.8

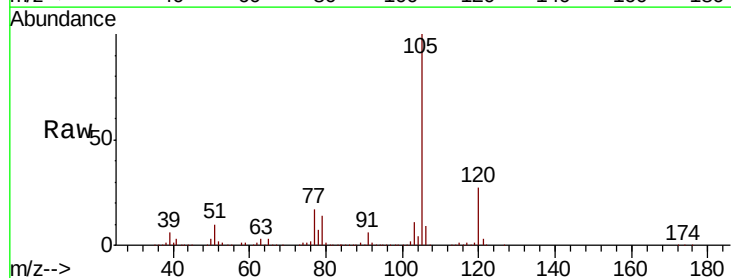


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

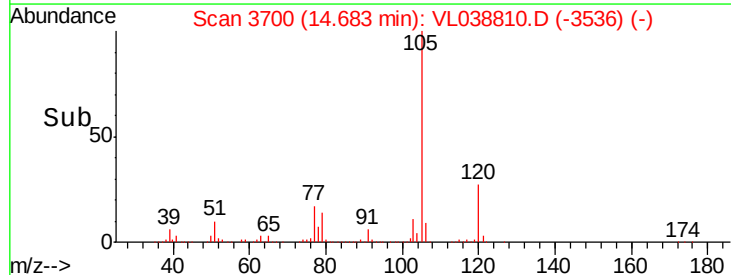
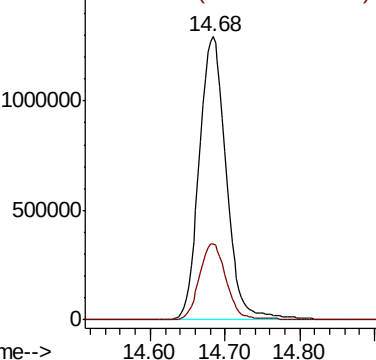


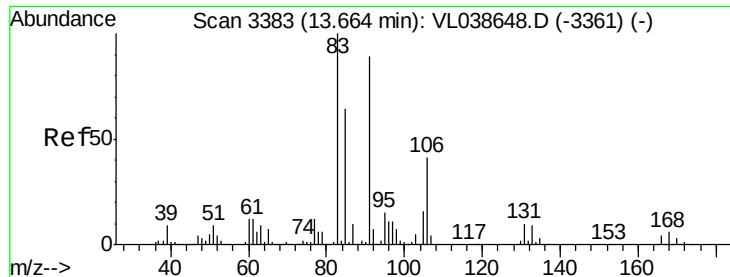
#62
Isopropylbenzene
Concen: 8.095 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.03 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

Tgt Ion:105 Resp: 3249930
Ion Ratio Lower Upper
105 100
120 26.9 21.2 31.8



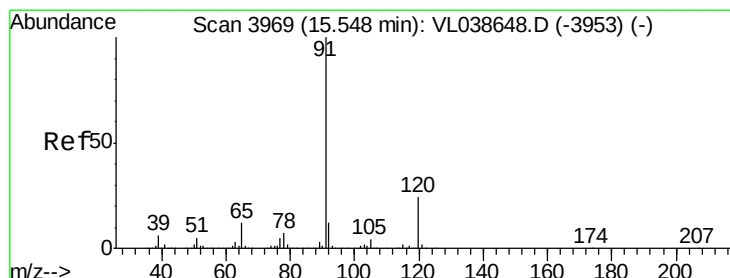
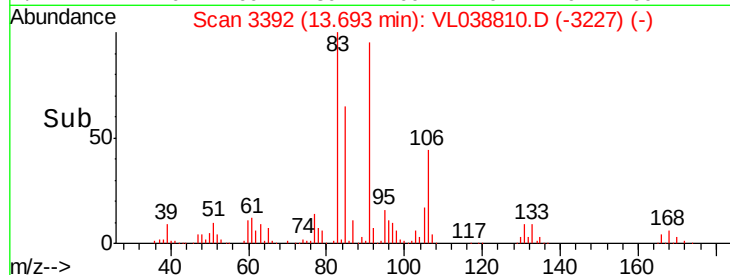
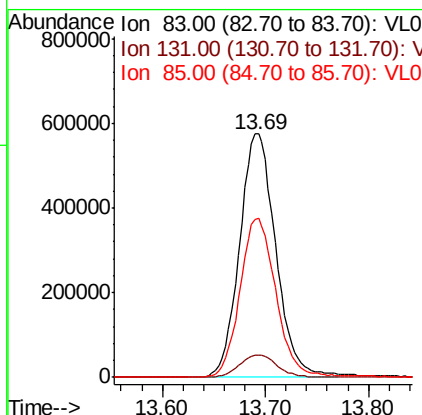
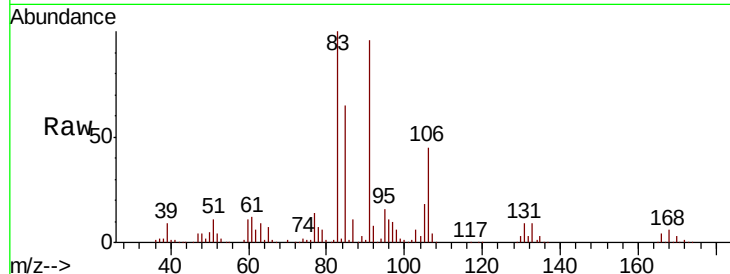
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





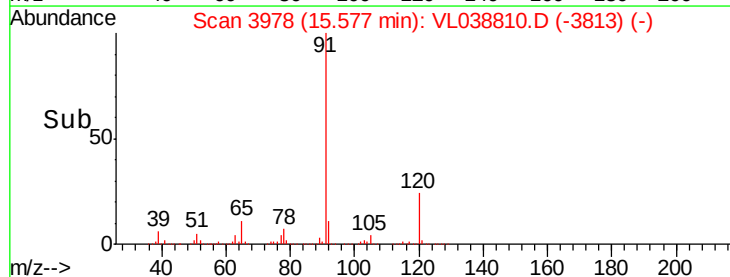
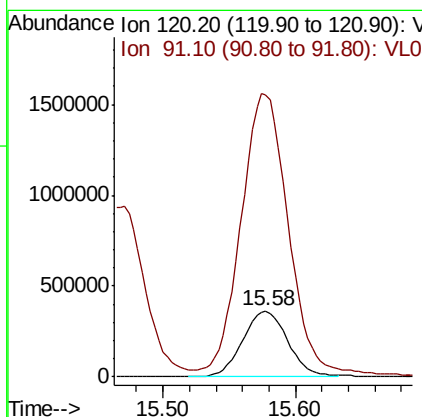
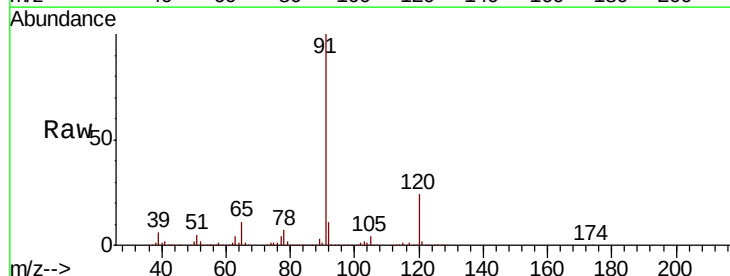
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.775 ppbv
 RT: 13.69 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 10:22

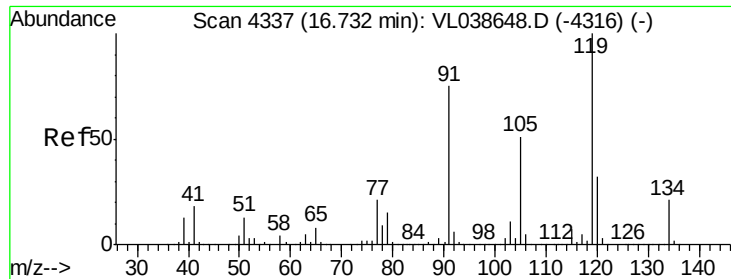
Tot Ion: 83 Resp: 1401523
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 66.0 32.6 97.8



#64
 n-propylbenzene
 Concen: 8.182 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T.: 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

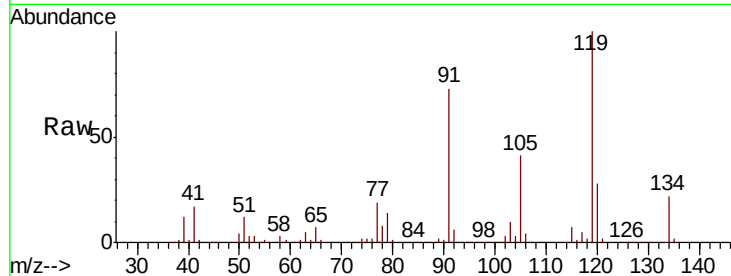
Tgt Ion: 120 Resp: 861981
 Ion Ratio Lower Upper
 120 100
 91 457.1 368.0 552.0



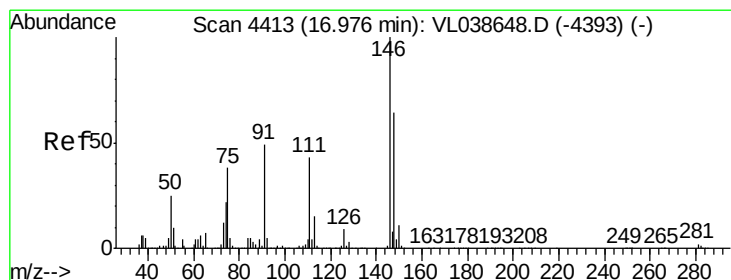
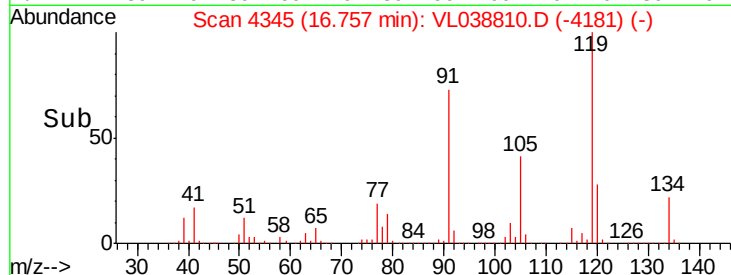
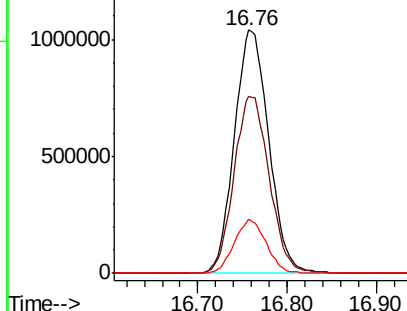


#65
 tert-Butylbenzene
 Concen: 7.720 ppbv
 RT: 16.76 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 10:22

Tot Ion: 119 Resp: 2784907
 Ion Ratio Lower Upper
 119 100
 91 74.5 61.2 91.8
 134 20.7 16.3 24.5

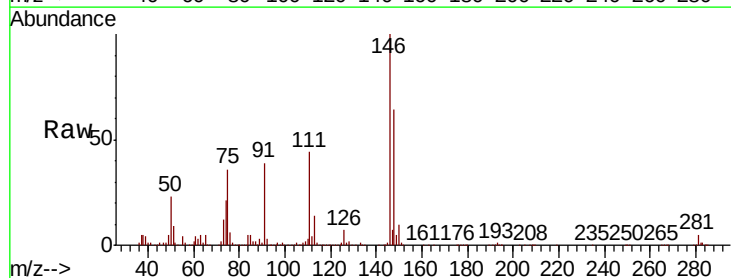


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

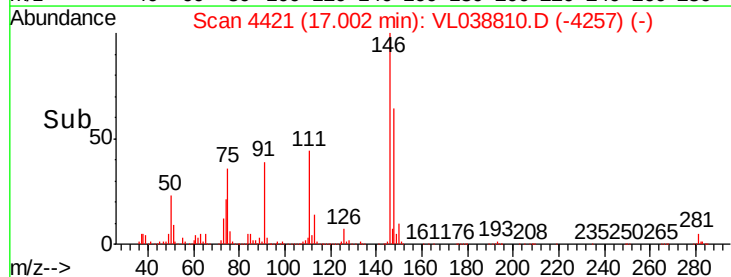
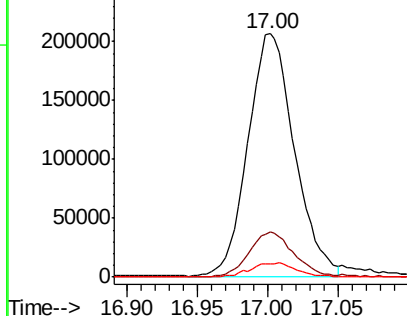


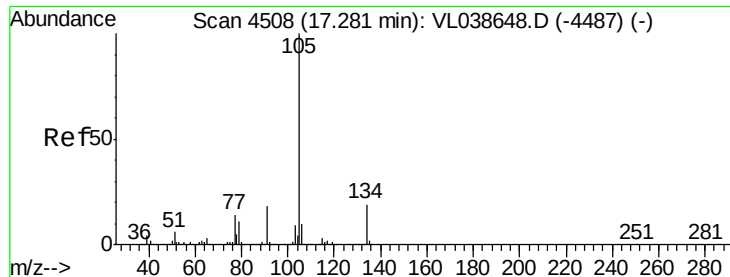
#66
 Benzyl Chloride
 Concen: 6.942 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T.: 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

Tgt Ion: 91 Resp: 474230
 Ion Ratio Lower Upper
 91 100
 126 18.7 14.3 21.5
 128 6.2 4.6 6.8



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: 7.613 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File:

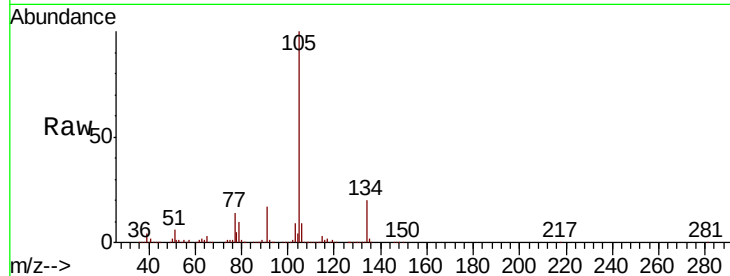
Acq: 31 Mar 2022 10:22

Tot Ion: 105 Resp: 3927771

Ion Ratio Lower Upper

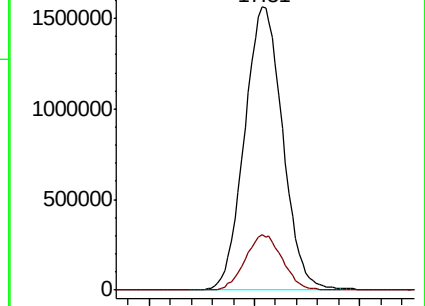
105 100

134 19.1 15.1 22.7

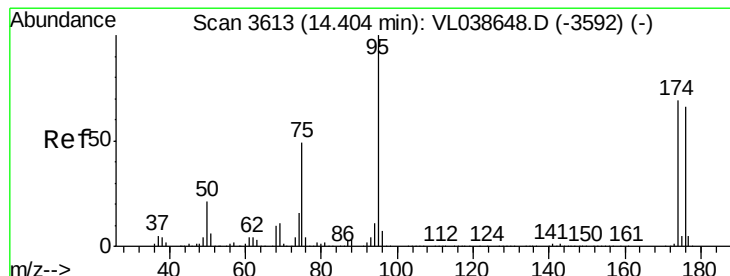
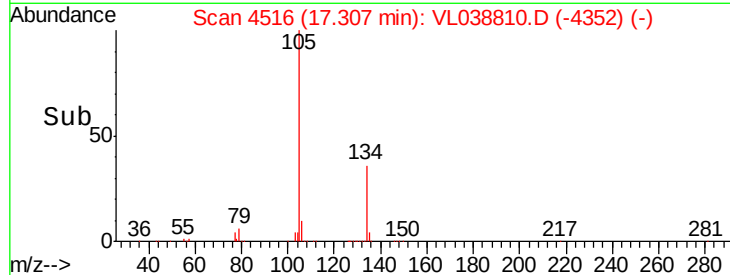


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.666 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.03 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

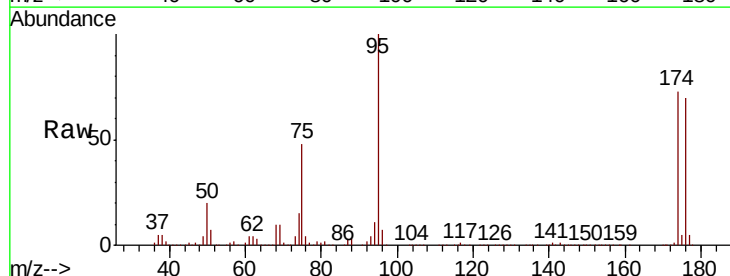
Tgt Ion: 95 Resp: 1616454

Ion Ratio Lower Upper

95 100

174 74.2 56.1 84.1

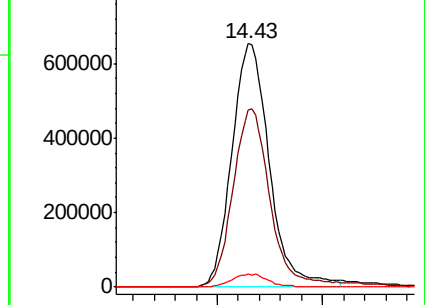
175 5.3 4.2 6.2



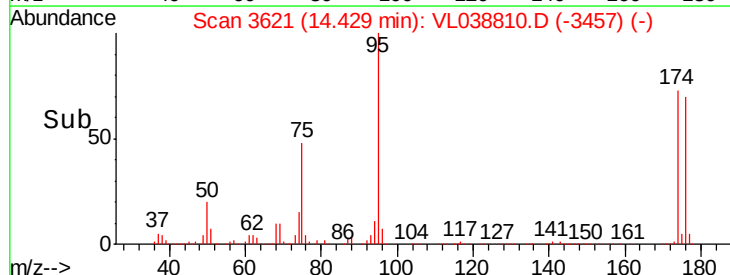
Abundance Ion 95.10 (94.80 to 95.80): VL0

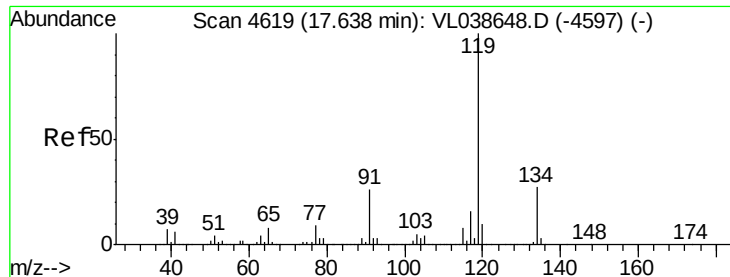
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->

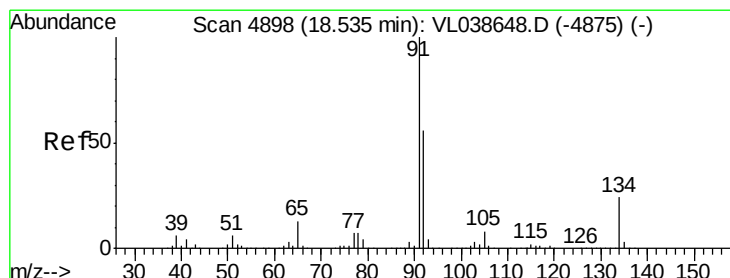
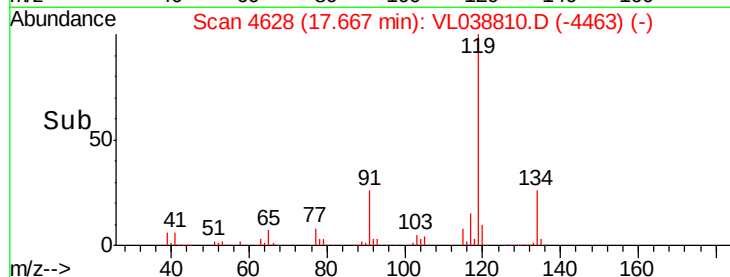
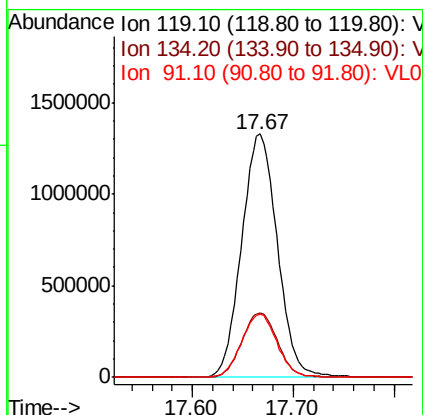
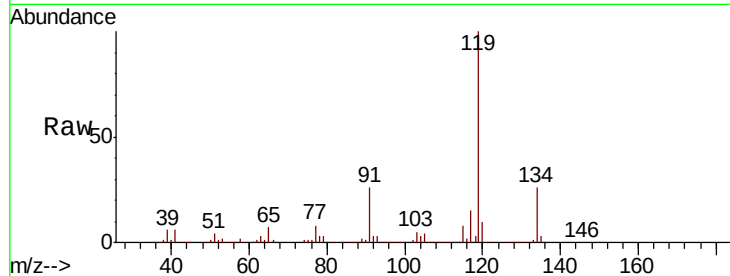




#69
 p-Isopropyltoluene
 Concen: 7.722 ppbv
 RT: 17.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 10:22

Tot Ion: 119 Resp: 3251272

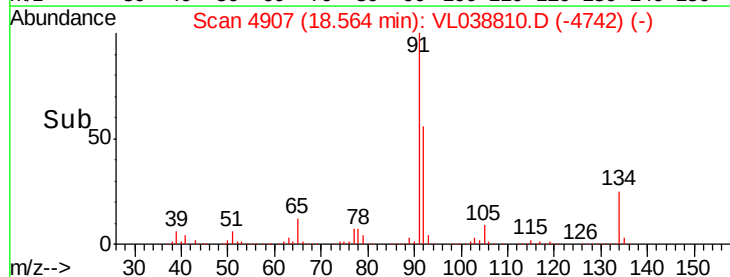
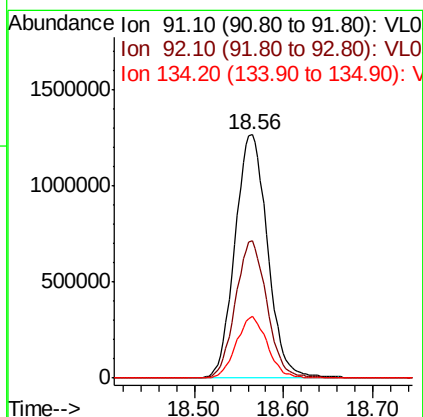
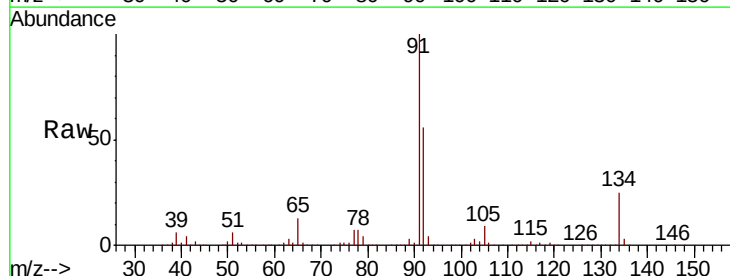
Ion	Ratio	Lower	Upper
119	100		
134	26.8	21.2	31.8
91	25.8	21.4	32.2

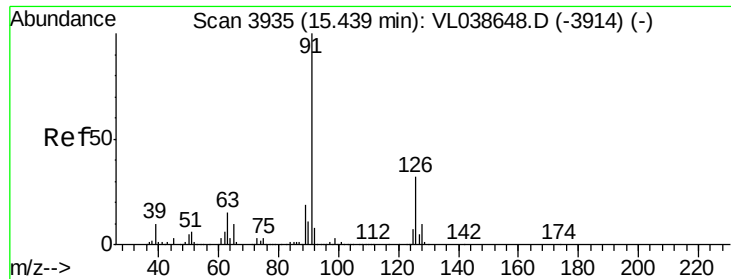


#70
 n-Butylbenzene
 Concen: 7.401 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T.: 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

Tgt Ion: 91 Resp: 3214420

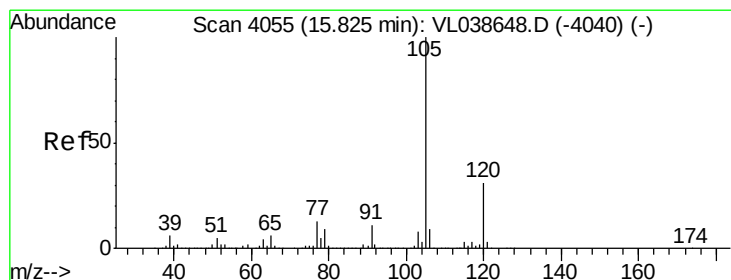
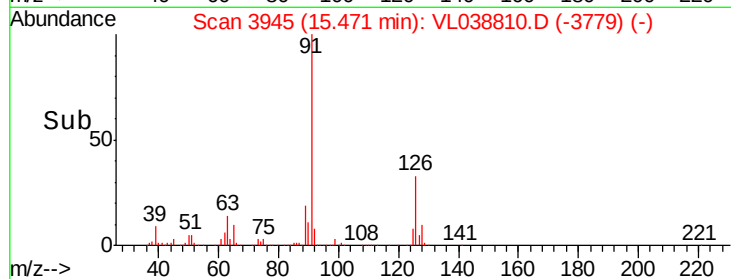
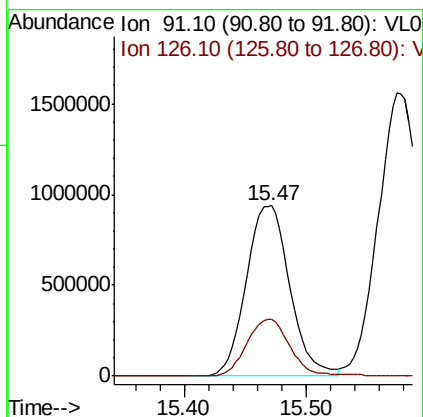
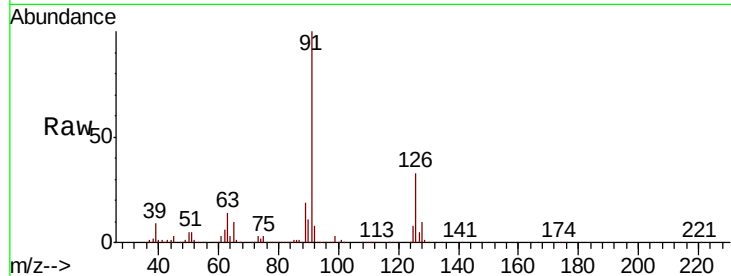
Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.9	65.9
134	24.3	18.7	28.1





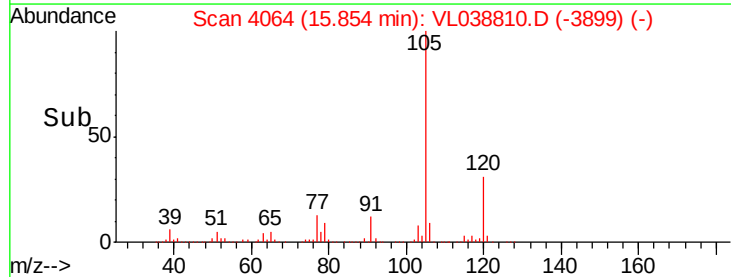
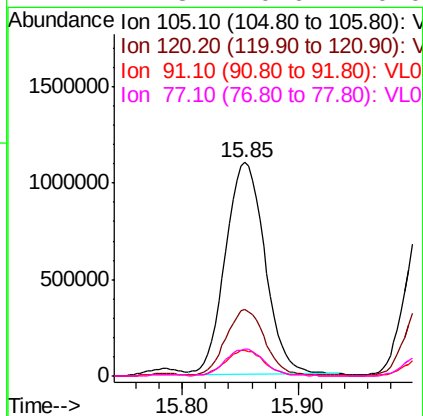
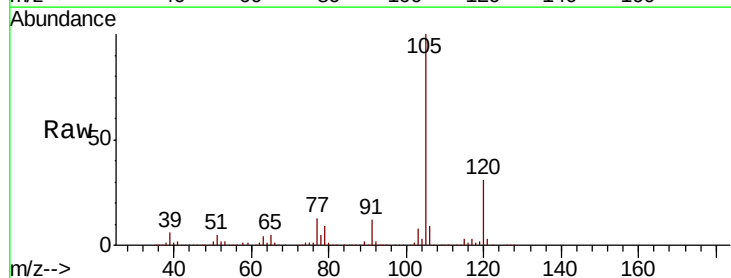
#71
 2-Chlorotoluene
 Concen: 7.769 ppbv
 RT: 15.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 10:22

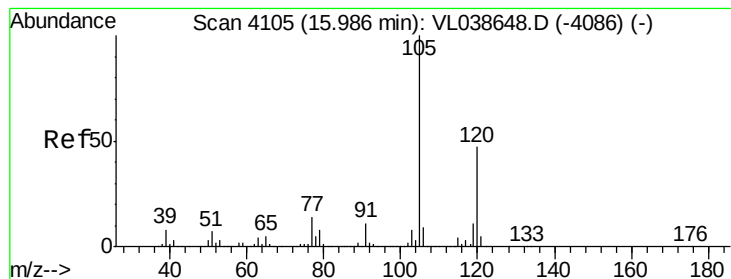
Tot Ion: 91 Resp: 2315127
 Ion Ratio Lower Upper
 91 100
 126 34.0 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.251 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

Tgt Ion:105 Resp: 2601071
 Ion Ratio Lower Upper
 105 100
 120 31.4 24.9 37.3
 91 12.0 9.8 14.6
 77 12.8 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 7.887 ppbv

RT: 16.01 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

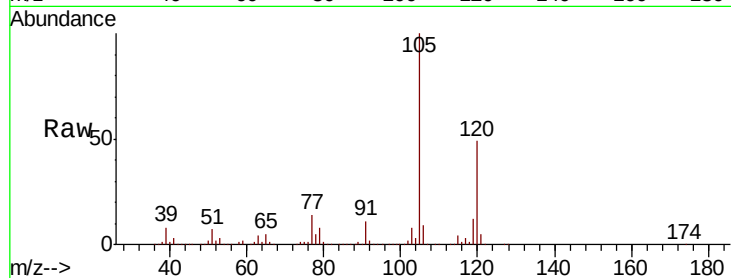
Acq: 31 Mar 2022 10:22

Tot Ion:105 Resp: 2265828

Ion Ratio Lower Upper

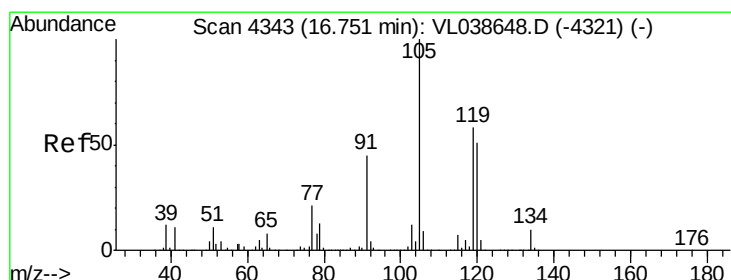
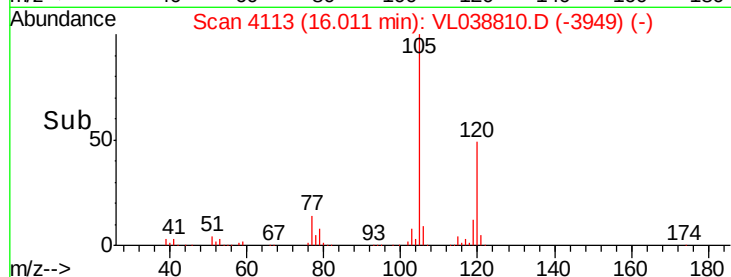
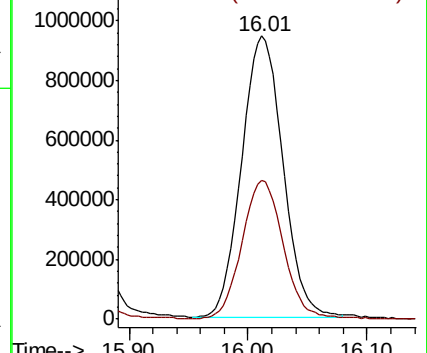
105 100

120 48.9 37.6 56.4



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: 7.630 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.03 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

Tgt Ion:105 Resp: 2387486

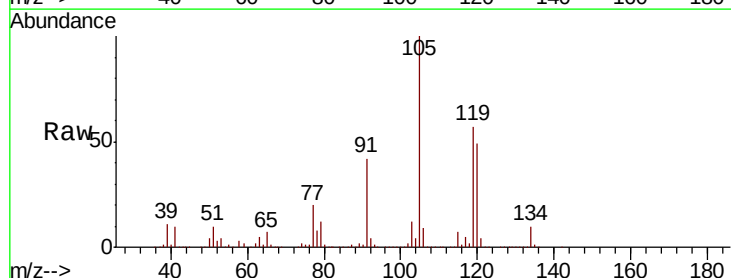
Ion Ratio Lower Upper

105 100

120 49.2 40.5 60.7

91 42.0 35.9 53.9

77 19.5 16.6 25.0

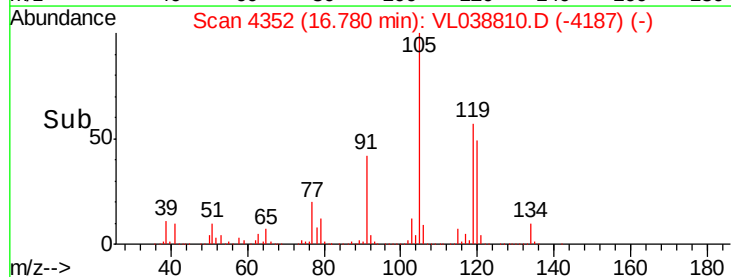
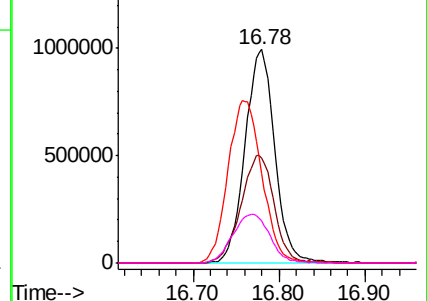


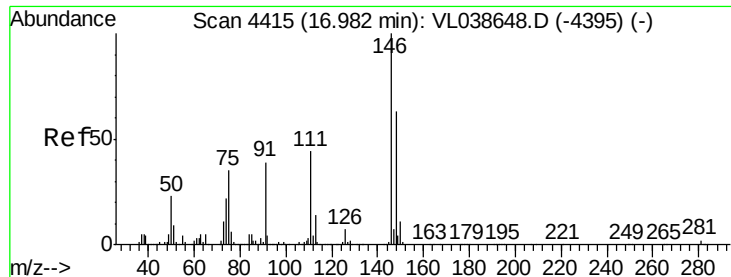
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

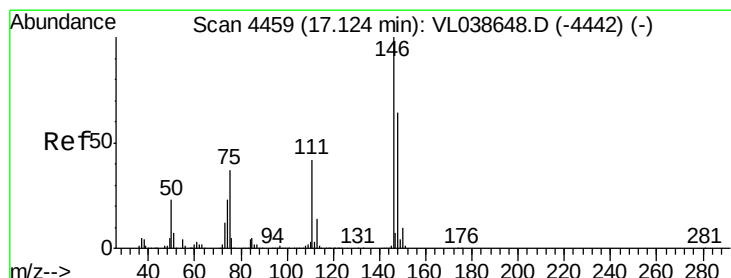
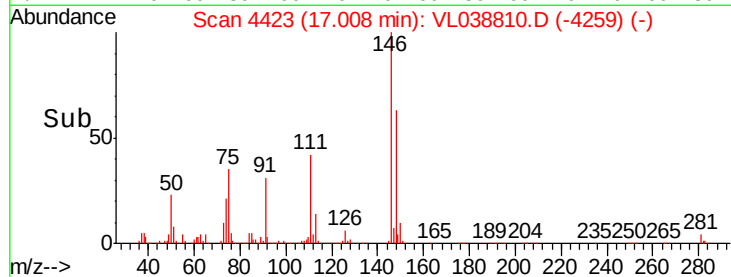
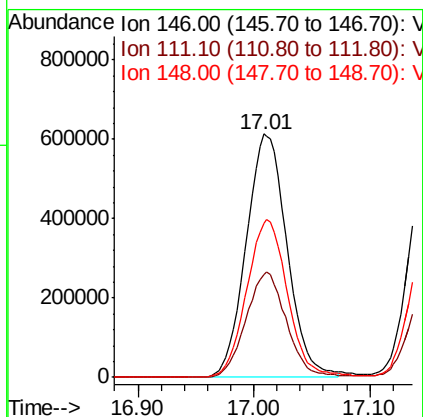
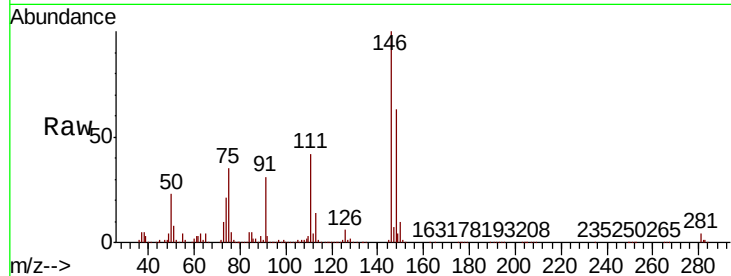
Ion 77.10 (76.80 to 77.80): VL0





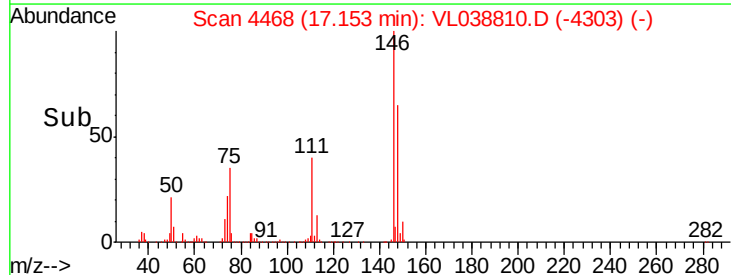
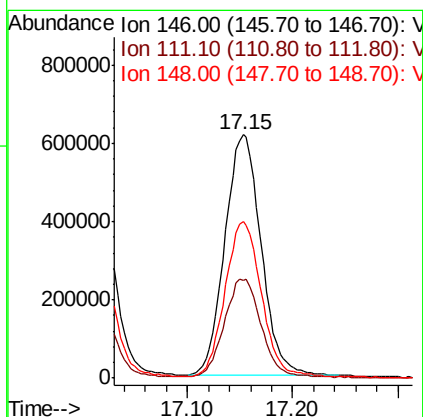
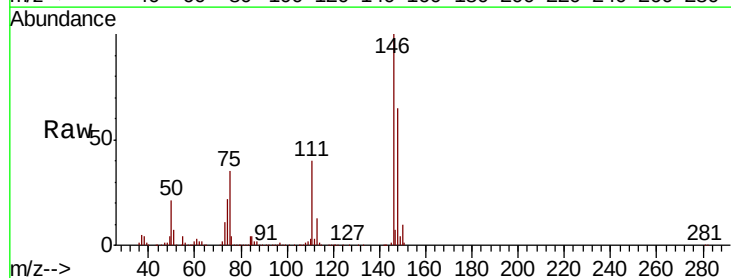
#75
 1,3-Dichlorobenzene
 Concen: 7.535 ppbv
 RT: 17.01 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 10:22

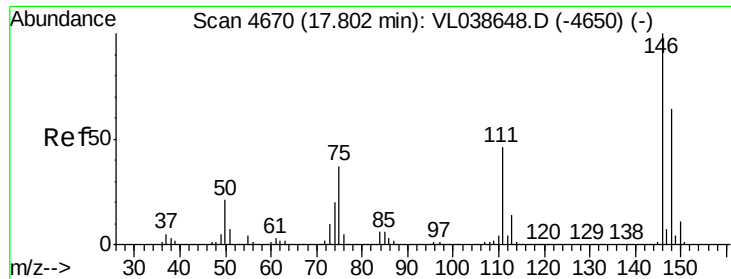
Tot Ion:146 Resp: 1501625
 Ion Ratio Lower Upper
 146 100
 111 42.9 22.2 66.6
 148 65.0 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.395 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.03 min
 Lab File: VL038810.D
 Acq: 31 Mar 2022 10:22

Tgt Ion:146 Resp: 1465720
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.4 64.2
 148 66.6 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 7.274 ppbv

RT: 17.83

Delta R.T. MSVOA_L

Lab File:

Acq: 31 Mar 2022 10:22

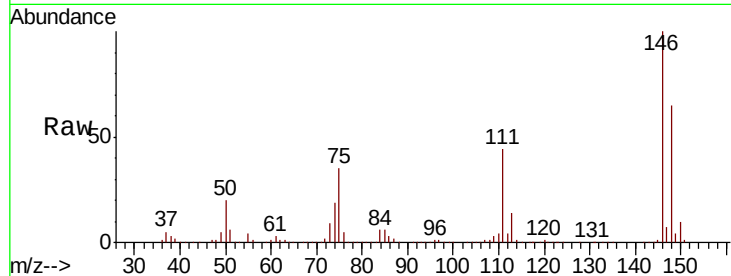
Tot Ion:146 Resp: 1436028

Ion Ratio Lower Upper

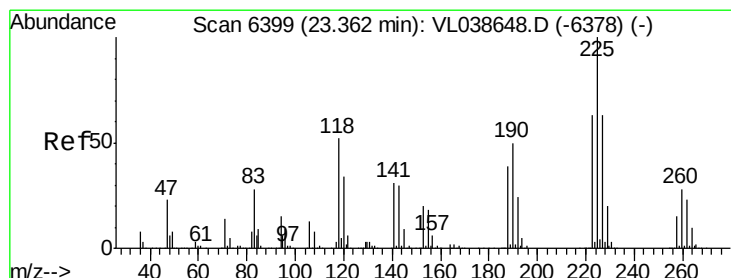
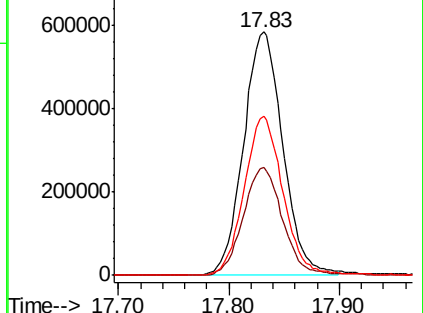
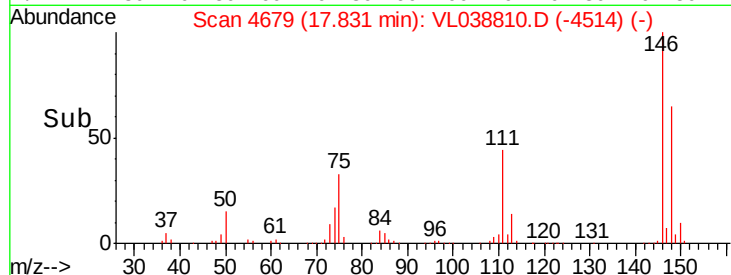
146 100

111 45.1 22.8 68.4

148 65.2 32.5 97.4



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



#78

Hexachloro-1,3-Butadiene

Concen: 5.263 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.03 min

Lab File: VL038810.D

Acq: 31 Mar 2022 10:22

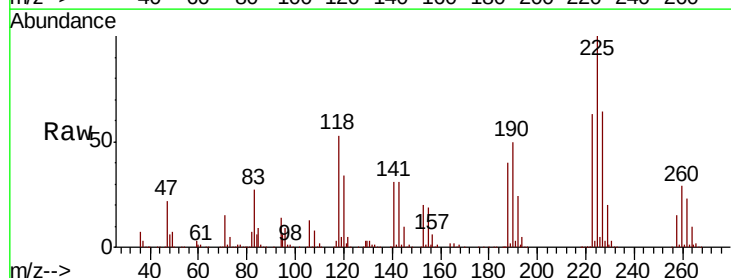
Tgt Ion:225 Resp: 960388

Ion Ratio Lower Upper

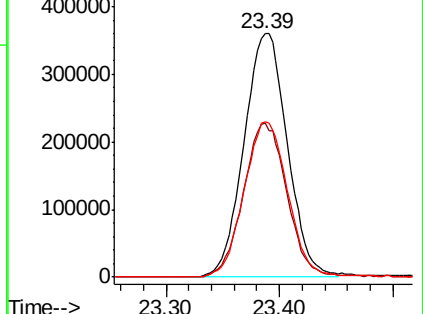
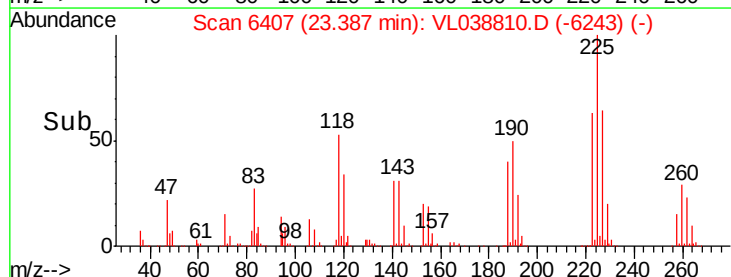
225 100

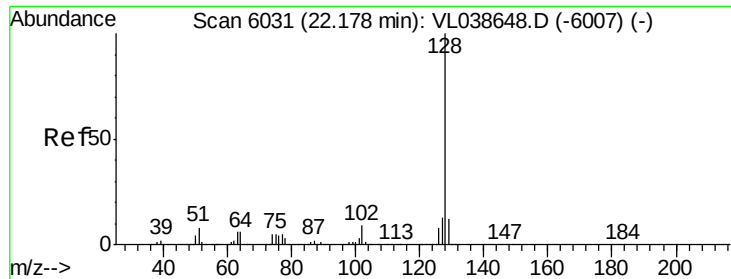
223 63.7 51.0 76.6

227 64.2 51.5 77.3



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

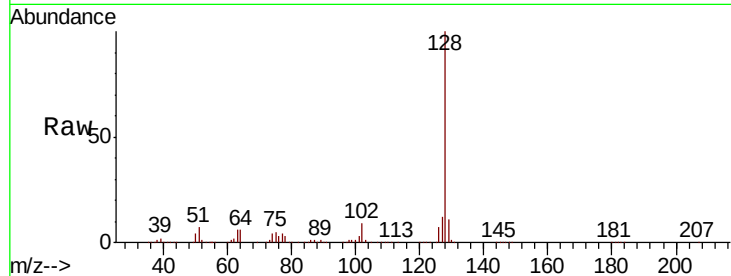




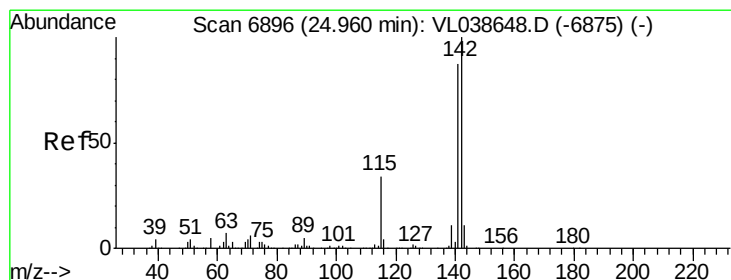
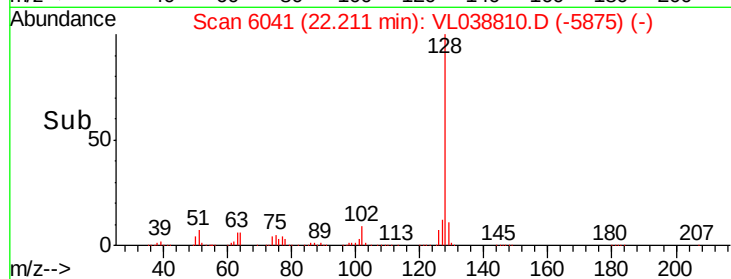
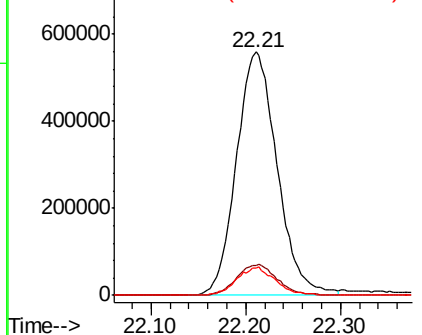
#79
Naphthalene
Concen: 6.981 ppbv
RT: 22.21 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 Mar 2022 10:22

Tot Ion:128 Resp: 1668834

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	11.1	9.2	13.8



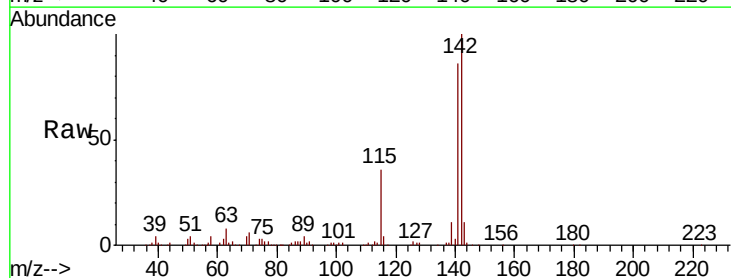
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



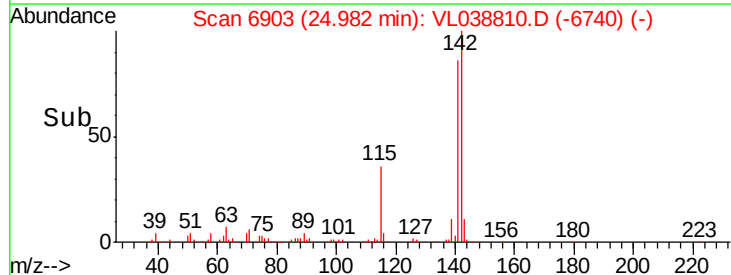
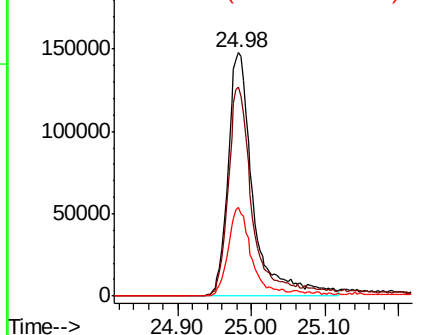
#80
Naphthalene, 2-methyl-
Concen: 5.482 ppbv
RT: 24.98 min Scan# 6903
Delta R.T.: 0.02 min
Lab File: VL038810.D
Acq: 31 Mar 2022 10:22

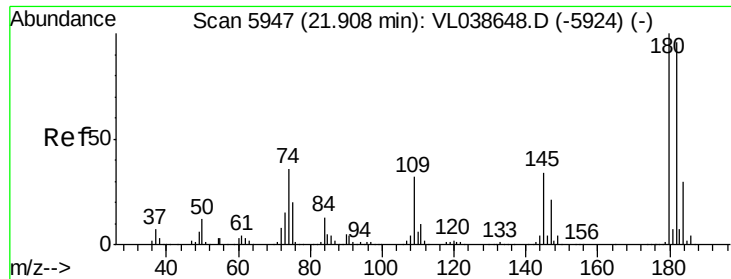
Tgt Ion:142 Resp: 351384

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.4	99.6
115	37.2	27.8	41.6



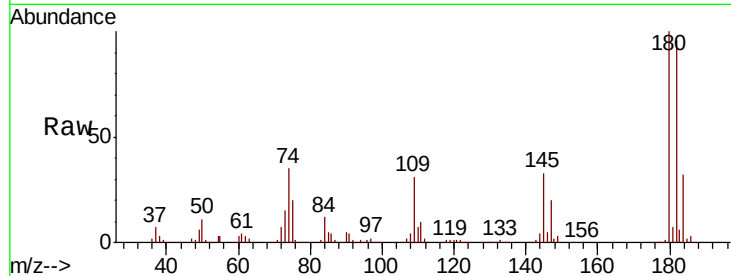
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.321 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 Mar 2022 10:22

Tot Ion:	180	Resp:	1034435
Ion	Ratio	Lower	Upper
180	100		
182	97.3	79.2	118.8
184	31.2	24.8	37.2



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

