

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038964.D
 Acq On : 5 May 2022 7:13
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL050522

Quant Time: May 05 07:44:07 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 07:41:27 2022
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1307143	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3232147	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3707472	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2343542	7.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2126342	10.382	ppbv 99
3) Chlorodifluoromethane	2.99	51	1555737	9.591	ppbv 99
4) Chloromethane	3.14	50	799279	9.840	ppbv 96
5) Vinyl Chloride	3.26	62	742706	10.013	ppbv 98
6) Bromomethane	3.47	94	366777	10.468	ppbv 89
7) Chloroethane	3.56	64	248039	9.991	ppbv 94
8) Dichlorotetrafluoroethane	3.19	85	1821315	9.812	ppbv 99
9) Propene	3.01	41	719145	10.153	ppbv 96
10) Heptane	8.11	43	1743299	10.032	ppbv 100
11) Trichlorofluoromethane	3.95	101	1699561	9.672	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1224083	10.112	ppbv 99
13) Ethanol	3.61	45	14396	2.603	ppbv # 1
14) Bromoethene	3.74	108	539605	10.810	ppbv 95
15) Acetone	3.84	43	1157711	9.389	ppbv 97
16) 1,3-Butadiene	3.33	39	685350	9.674	ppbv 95
17) tert-Butyl alcohol	4.28	59	1084335	11.442	ppbv 99
18) 1,1-Dichloroethene	4.29	96	538837	10.343	ppbv 99
19) Isopropyl Alcohol	3.96	45	680758	11.612	ppbv # 97
20) Methylene Chloride	4.34	84	443640	9.546	ppbv 95
21) Allyl Chloride	4.41	41	880996	10.485	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	576227	10.240	ppbv 97
23) Vinyl Acetate	5.06	43	1026503	10.522	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1113828	9.915	ppbv 99
25) Ethyl Acetate	5.67	43	3067779	10.395	ppbv 99
26) Hexane	5.68	57	1319539	10.063	ppbv 97
27) Carbon Disulfide	4.55	76	1386512	11.131	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1045910	10.483	ppbv 98
29) Chloroform	5.74	83	2089465	9.849	ppbv 97
30) Cyclohexane	7.12	84	1090832	9.936	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	1366405	10.228	ppbv 94
32) 1,1,1-Trichloroethane	6.50	97	2142656	10.101	ppbv 100
34) 2-Butanone	5.24	43	1574325	9.547	ppbv 100
35) Carbon Tetrachloride	7.01	117	2159634	10.141	ppbv 98
36) Benzene	6.88	78	2660119	9.617	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1695544	9.907	ppbv 100
38) Trichloroethene	7.83	130	1126154	9.158	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1060260	9.851	ppbv 95
40) 1,4-Dioxane	7.83	88	312892	8.094	ppbv # 1
41) Tetrahydrofuran	6.04	42	1113686	10.049	ppbv 99
42) Bromodichloromethane	7.78	83	2357178	10.075	ppbv 97
43) Methyl Methacrylate	8.00	69	1105141	9.842	ppbv 97

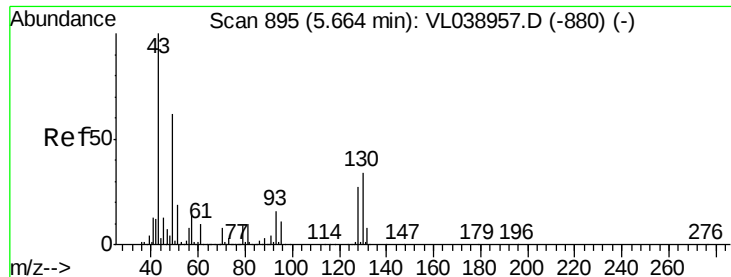
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038964.D
 Acq On : 5 May 2022 7:13
 Operator : SY/AP
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Quant Time: May 05 07:44:07 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 07:41:27 2022
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4559359	9.394	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1276380	11.742	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1566213	10.866	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	583285	5.211	ppbv	97
48) Dibromochloromethane	10.29	129	1830664	10.048	ppbv	99
49) Bromoform	13.02	173	1383768	9.959	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2793063	9.660	ppbv	99
51) 2-Hexanone	10.12	43	2161853	10.244	ppbv #	97
52) Tetrachloroethene	11.21	164	890764	9.012	ppbv	96
53) Toluene	9.80	91	3014307	9.723	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1487856	9.764	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.11	131	1251078	7.691	ppbv	96
57) Chlorobenzene	12.13	112	2090109	7.521	ppbv	96
58) Ethyl Benzene	12.70	91	4009896	7.515	ppbv	100
59) m/p-Xylene	12.98	91	3342208	7.338	ppbv #	31
60) o-Xylene	13.68	91	3168189	7.390	ppbv	100
61) Styrene	13.51	104	1847201	8.071	ppbv	98
62) Isopropylbenzene	14.65	105	4507543	8.237	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1760006	6.972	ppbv	99
64) n-propylbenzene	15.55	120	1144619	7.552	ppbv	97
65) tert-Butylbenzene	16.73	119	3976145	7.238	ppbv	99
66) Benzyl Chloride	16.97	91	664787	9.259	ppbv	100
67) sec-Butylbenzene	17.27	105	5750122	7.327	ppbv	100
69) p-Isopropyltoluene	17.63	119	4804554	7.578	ppbv	100
70) n-Butylbenzene	18.53	91	5333776	7.919	ppbv	99
71) 2-Chlorotoluene	15.44	91	3491813	7.225	ppbv	100
72) 4-Ethyltoluene	15.82	105	3652552	7.477	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3331482	7.575	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	3620425	7.518	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2018635	7.651	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2030673	7.824	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2066328	7.919	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1882068	7.848	ppbv	100
79) Naphthalene	22.17	128	4139796	10.583	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1183283	10.000	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2140833	9.340	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 7:13

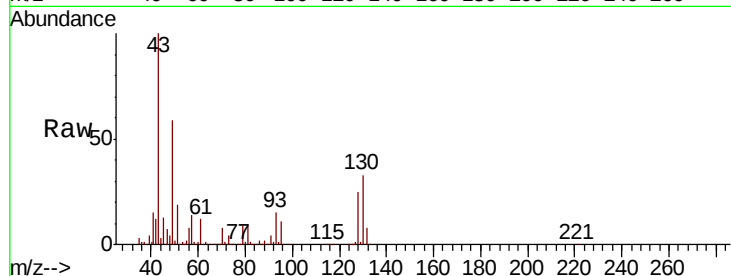
Tot Ion: 49 Resp: 1307143

Ion Ratio Lower Upper

49 100

128 46.9 23.3 69.8

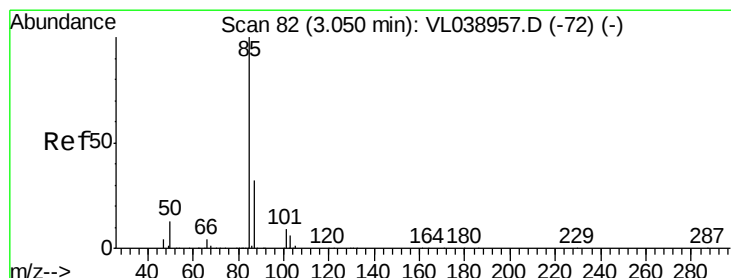
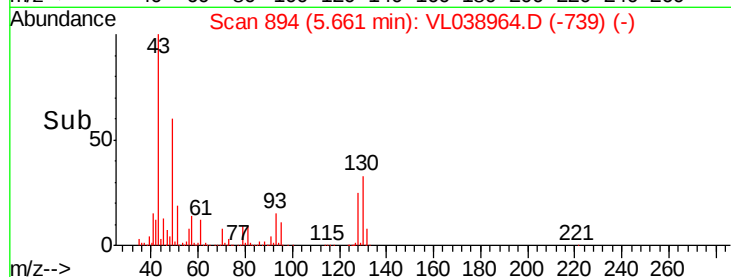
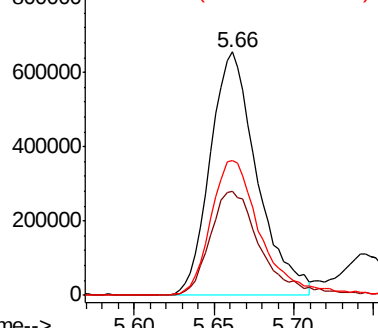
130 60.7 29.8 89.3



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: 10.382 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038964.D

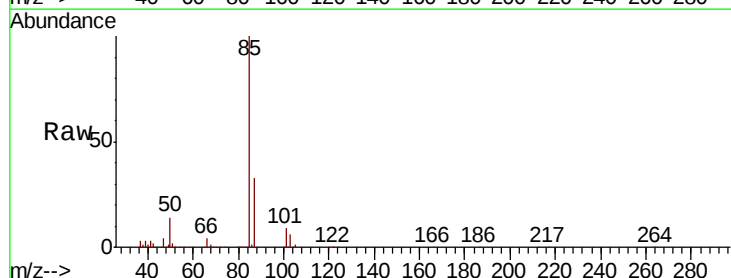
Acq: 5 May 2022 7:13

Tgt Ion: 85 Resp: 2126342

Ion Ratio Lower Upper

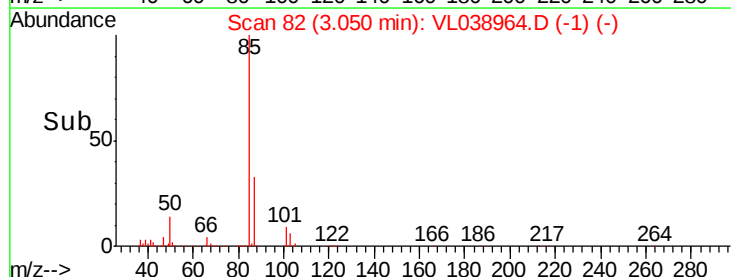
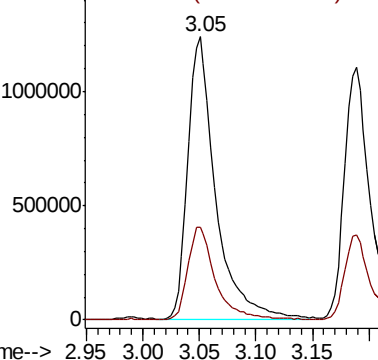
85 100

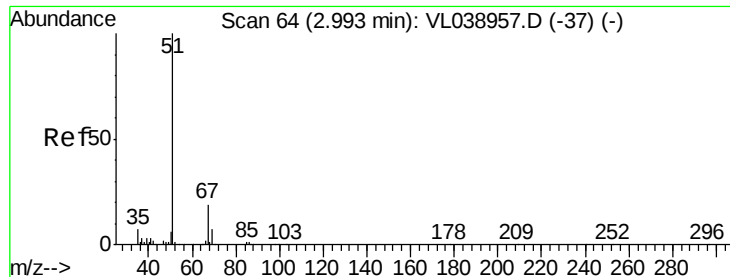
87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.591 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: ICVVL050522

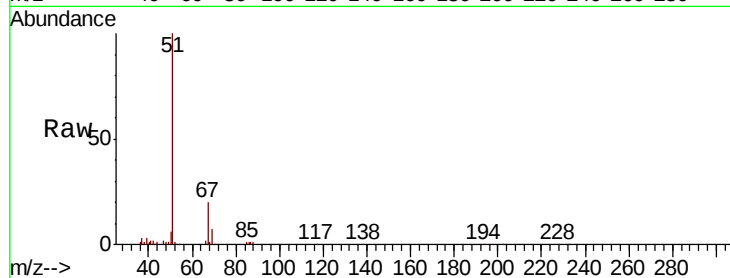
Acq: 5 May 2022 7:13

Tot Ion: 51 Resp: 1555737

Ion Ratio Lower Upper

51 100

67 19.2 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

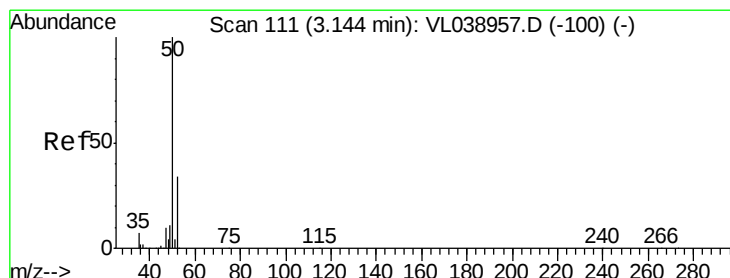
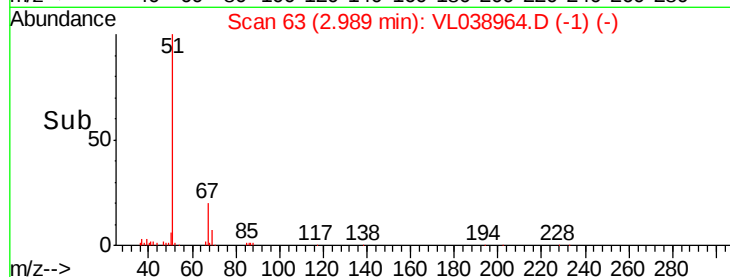
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.840 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038964.D

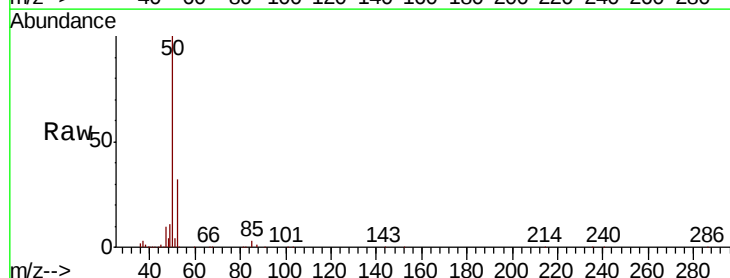
Acq: 5 May 2022 7:13

Tgt Ion: 50 Resp: 799279

Ion Ratio Lower Upper

50 100

52 31.9 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

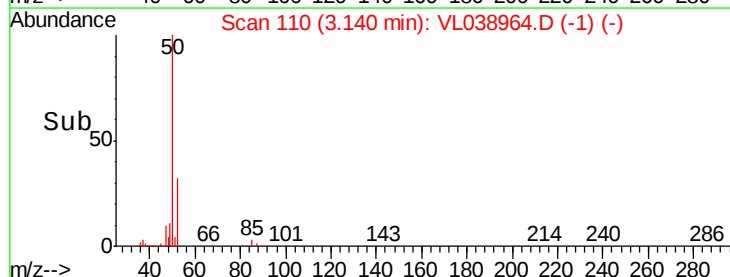
300000

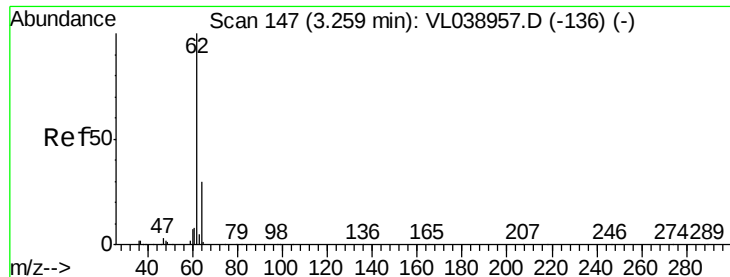
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.013 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

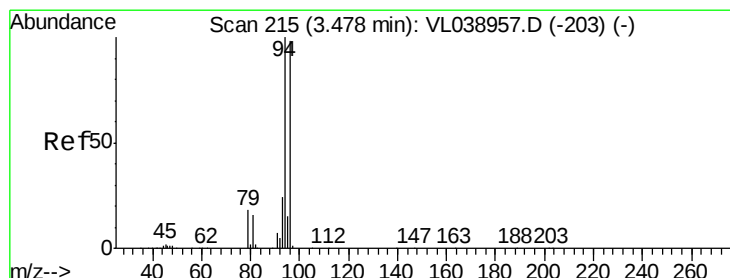
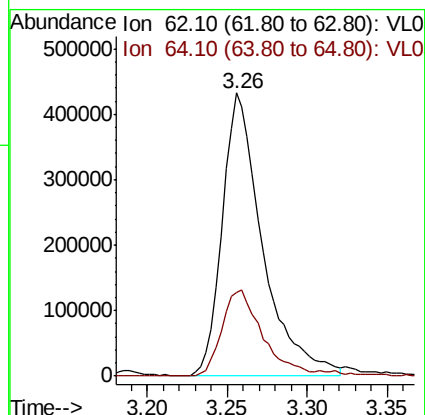
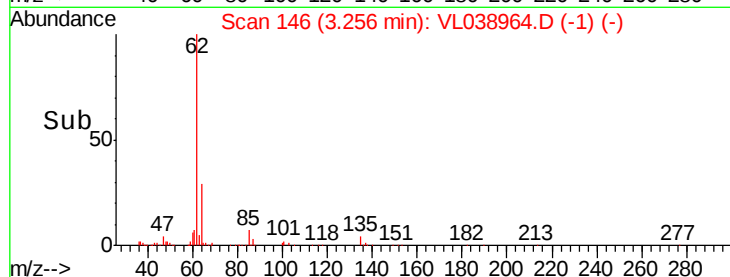
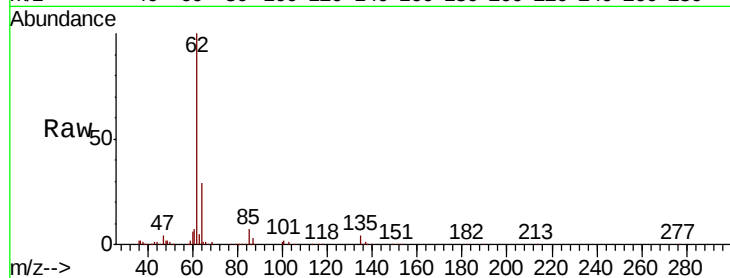
Acq: 5 May 2022 7:13

Tot Ion: 62 Resp: 742706

Ion Ratio Lower Upper

62 100

64 29.4 24.2 36.4



#6

Bromomethane

Concen: 10.468 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038964.D

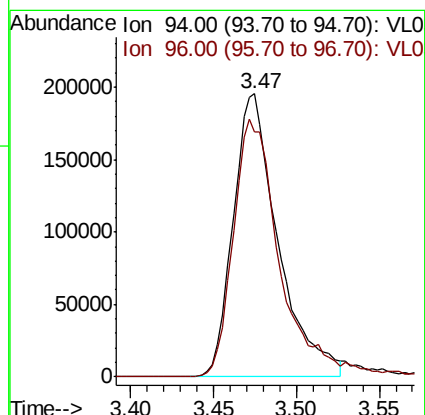
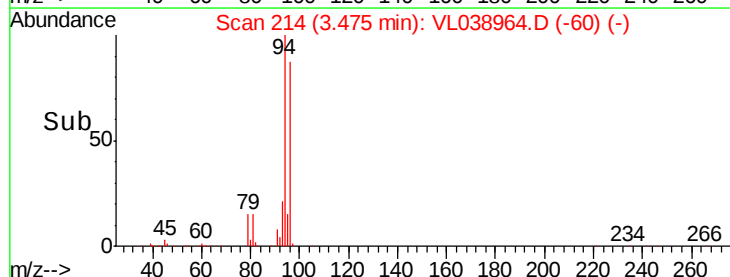
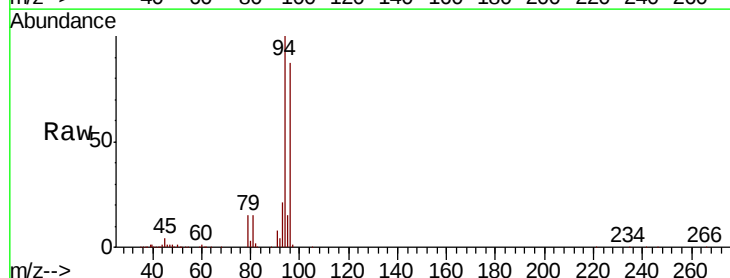
Acq: 5 May 2022 7:13

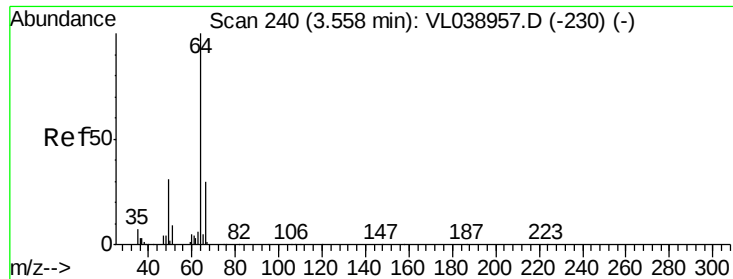
Tgt Ion: 94 Resp: 366777

Ion Ratio Lower Upper

94 100

96 86.6 78.1 117.1





#7

Chloroethane

Concen: 9.991 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

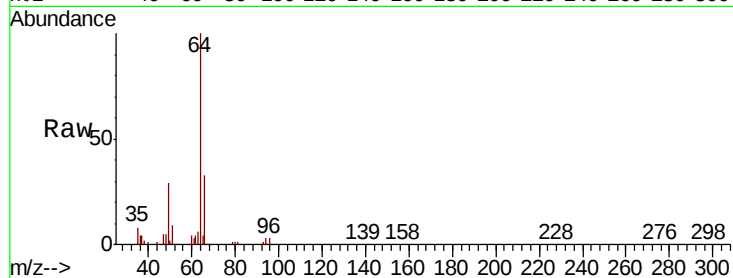
Acq: 5 May 2022 7:13

Tot Ion: 64 Resp: 248039

Ion Ratio Lower Upper

64 100

66 33.1 23.8 35.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

100000

50000

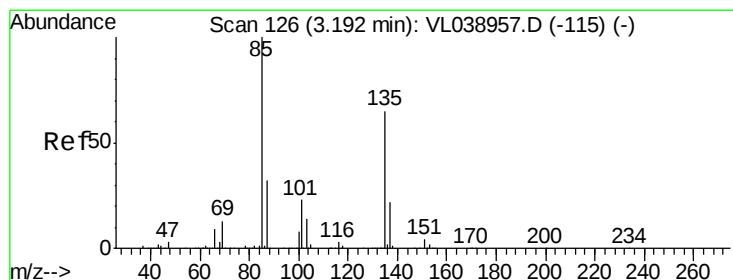
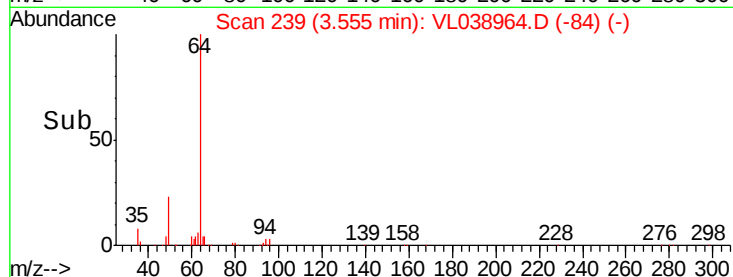
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.812 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038964.D

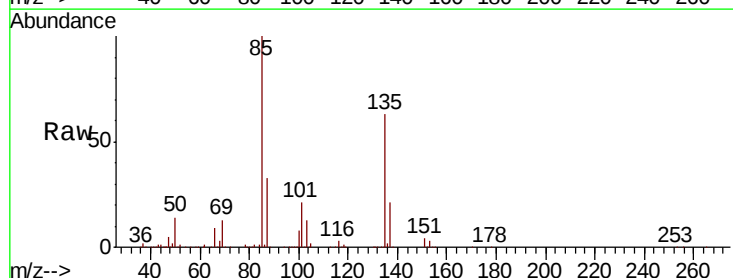
Acq: 5 May 2022 7:13

Tgt Ion: 85 Resp: 1821315

Ion Ratio Lower Upper

85 100

135 66.3 53.6 80.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

1200000

1000000

800000

600000

400000

200000

0

3.10

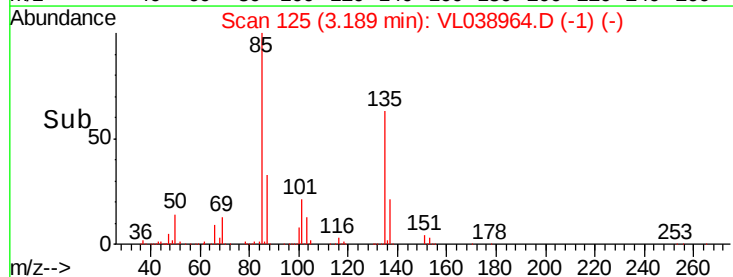
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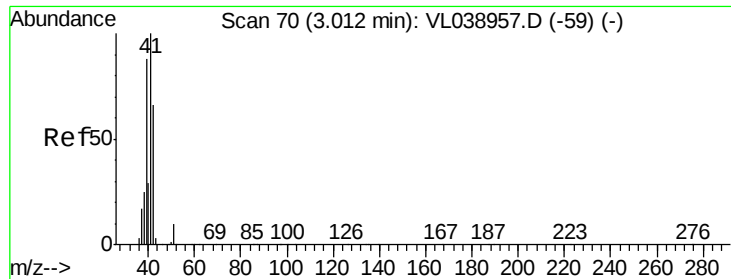
3.20

3.25

3.30

Time-->





#9

Propene

Concen: 10.153 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

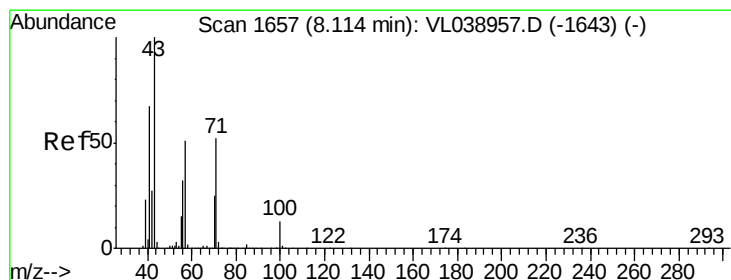
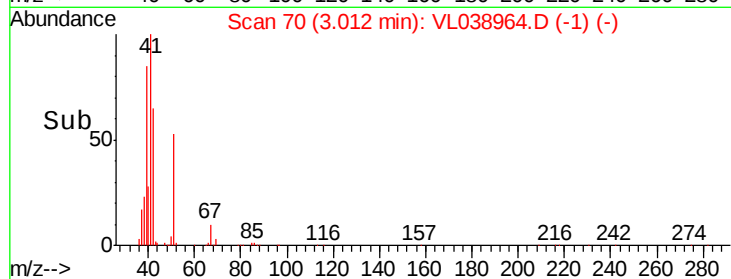
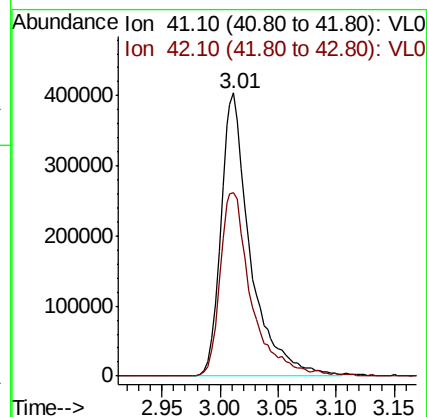
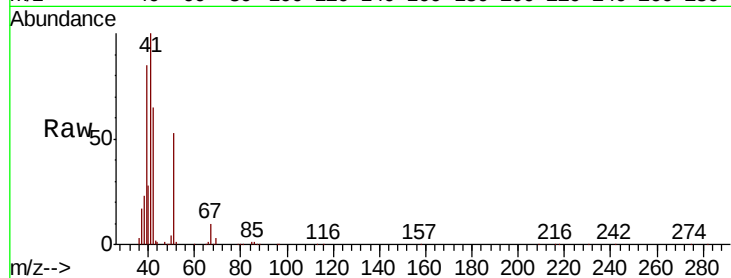
Acq: 5 May 2022 7:13

Tot Ion: 41 Resp: 719145

Ion Ratio Lower Upper

41 100

42 69.5 58.3 87.5



#10

Heptane

Concen: 10.032 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL038964.D

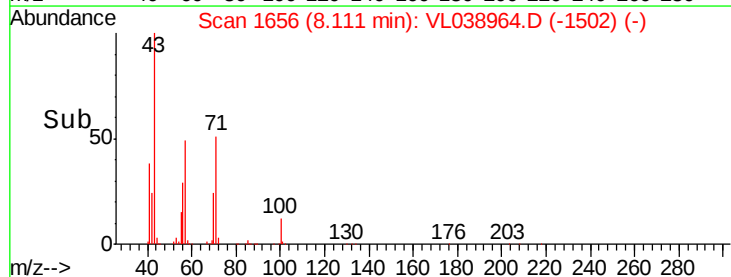
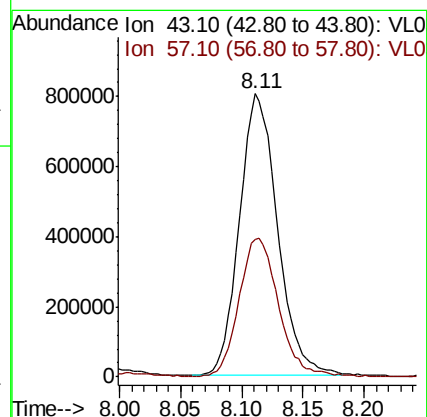
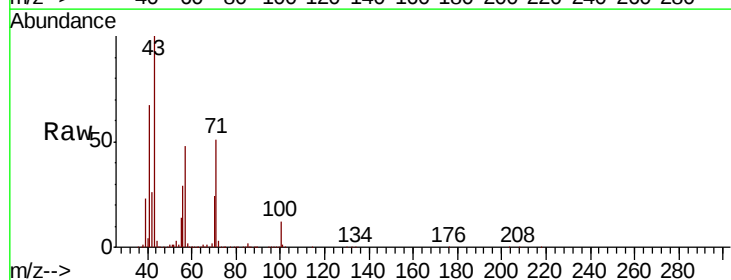
Acq: 5 May 2022 7:13

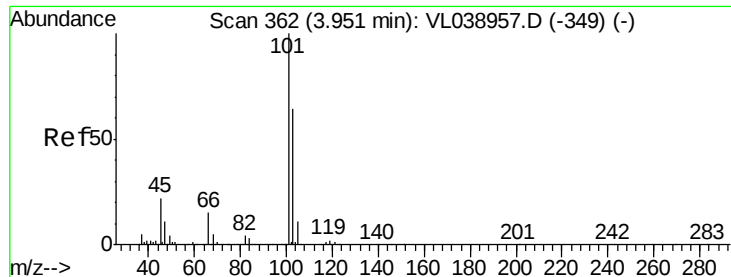
Tgt Ion: 43 Resp: 1743299

Ion Ratio Lower Upper

43 100

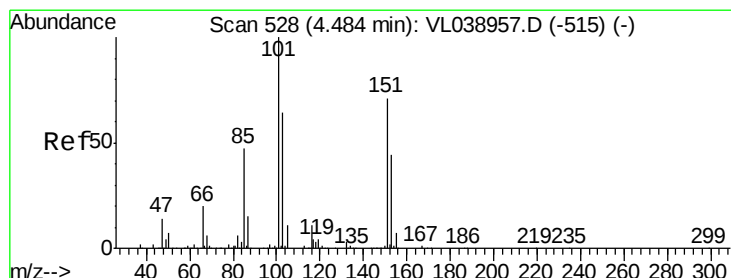
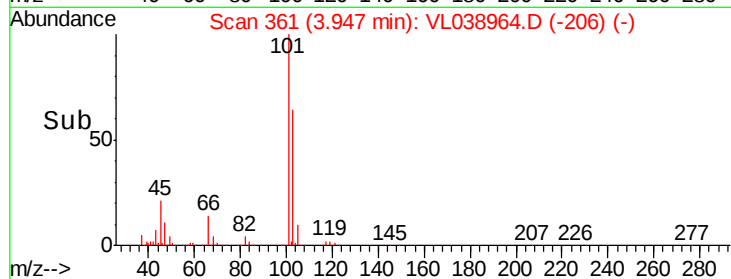
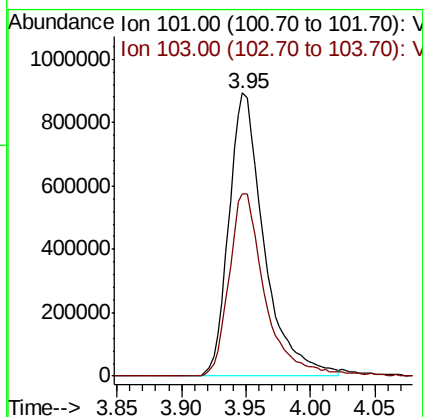
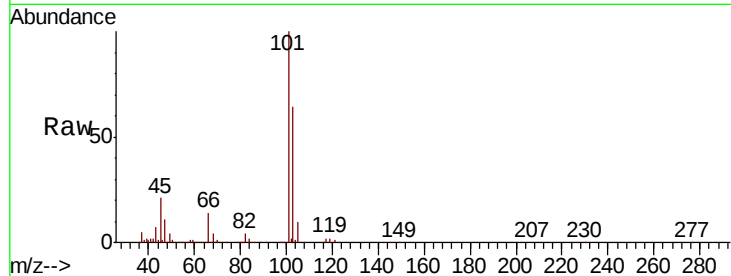
57 50.8 40.5 60.7





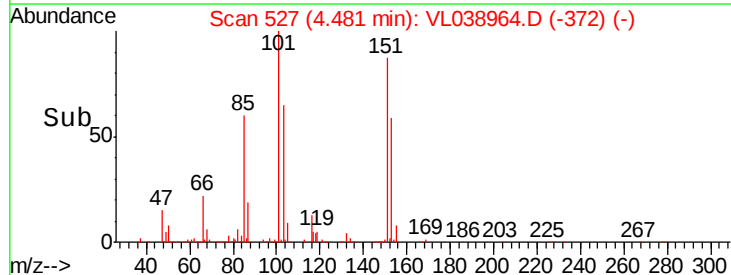
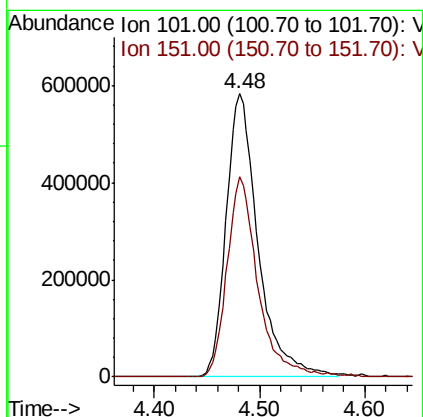
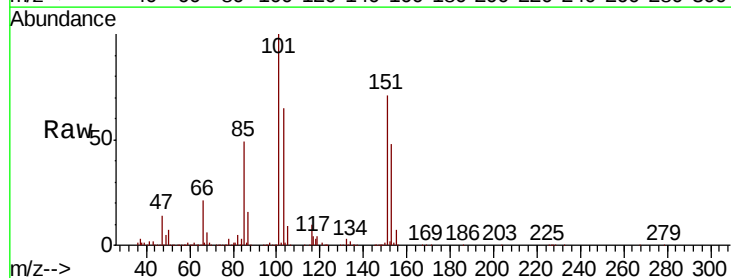
#11
 Trichlorofluoromethane
 Concen: 9.672 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:13

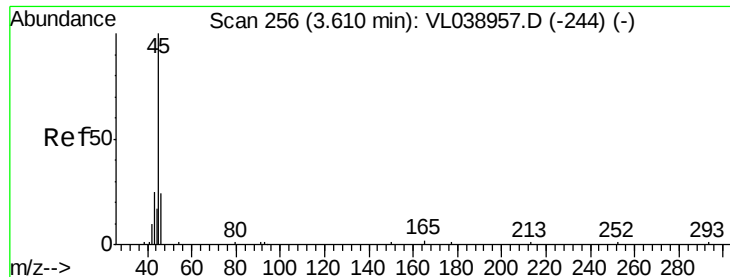
Tot Ion:101 Resp: 1699561
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.112 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL038964.D
 Acq: 5 May 2022 7:13

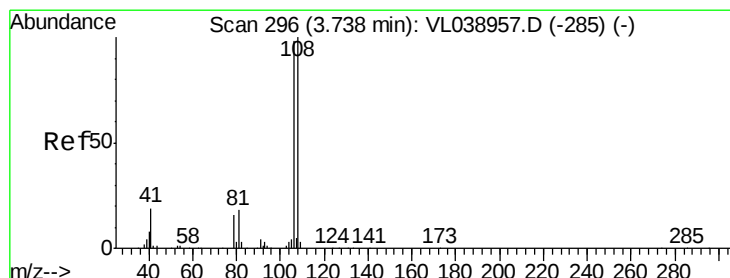
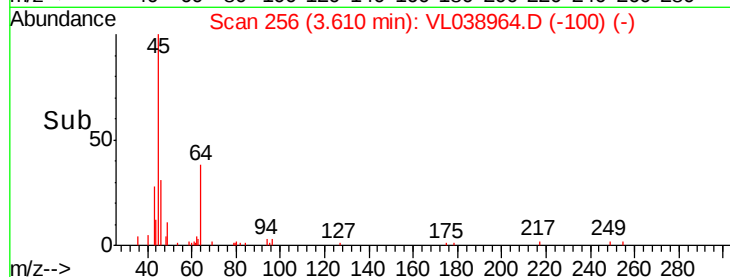
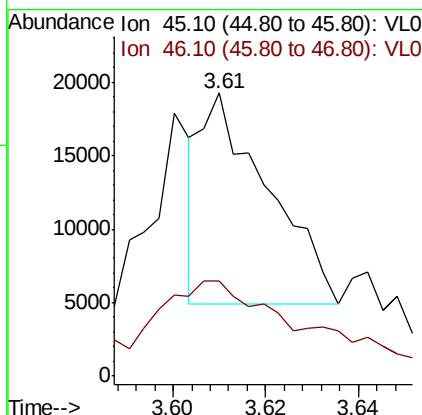
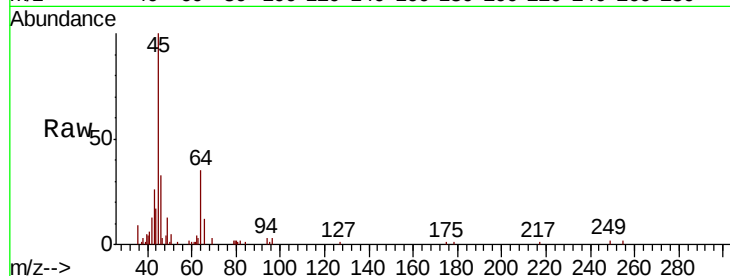
Tgt Ion:101 Resp: 1224083
 Ion Ratio Lower Upper
 101 100
 151 68.6 55.4 83.0





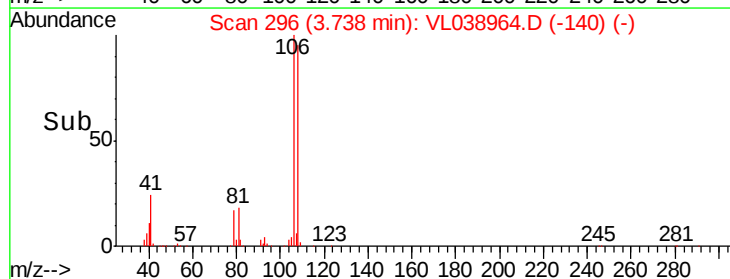
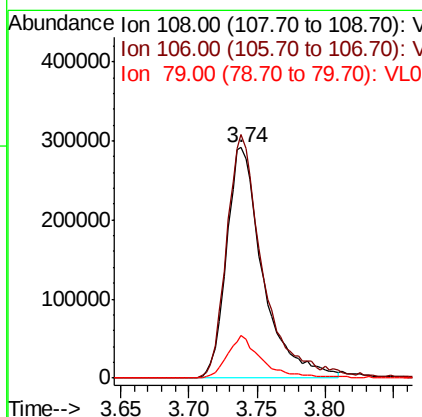
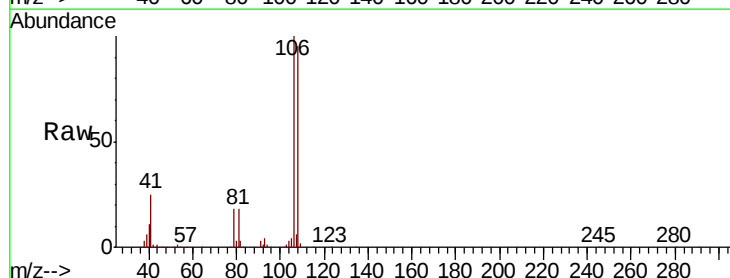
#13
 Ethanol
 Concen: 2.603 ppbv
 RT: 3.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:13

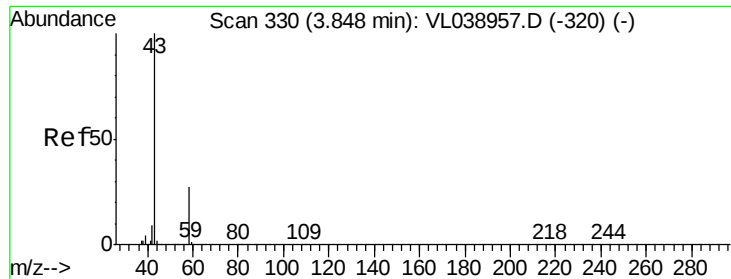
Tot Ion: 45 Resp: 14396
 Ion Ratio Lower Upper
 45 100
 46 127.4 18.0 72.2#



#14
 Bromoethene
 Concen: 10.810 ppbv
 RT: 3.74 min Scan# 296
 Delta R.T. -0.00 min
 Lab File: VL038964.D
 Acq: 5 May 2022 7:13

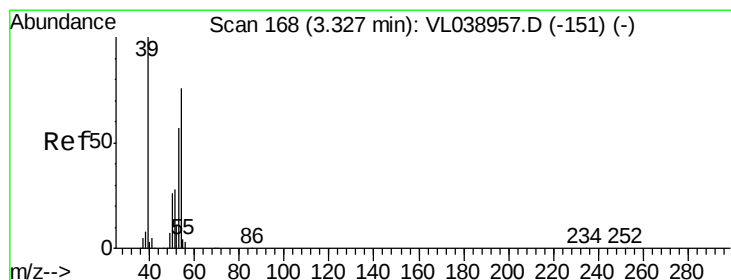
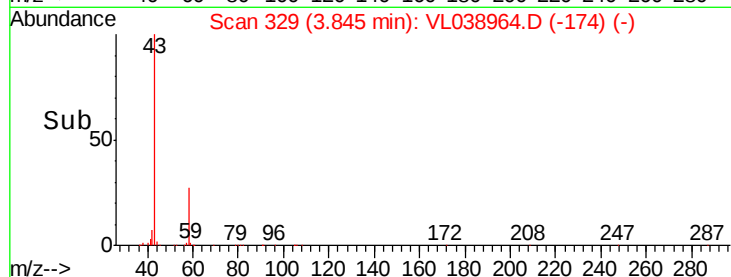
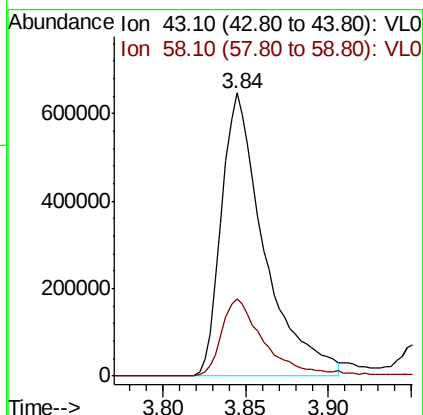
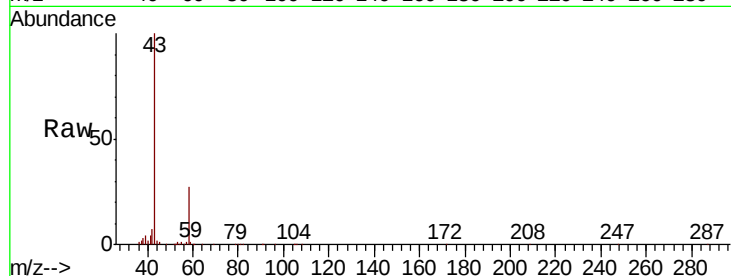
Tgt Ion: 108 Resp: 539605
 Ion Ratio Lower Upper
 108 100
 106 107.4 90.3 135.5
 79 18.0 14.9 22.3





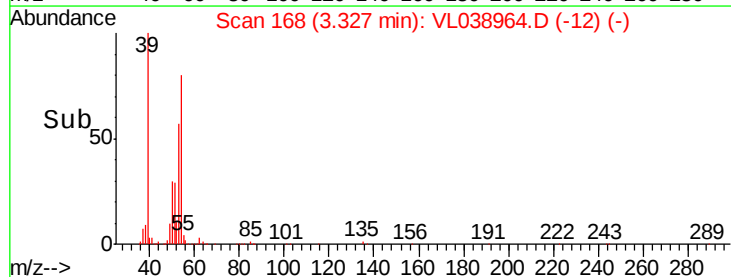
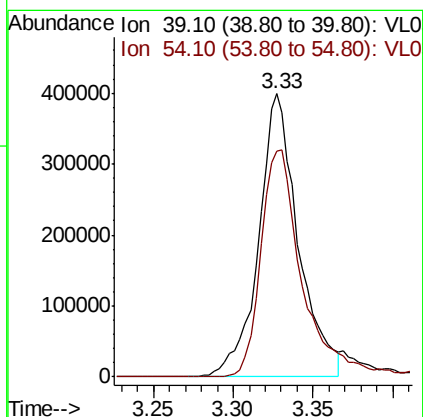
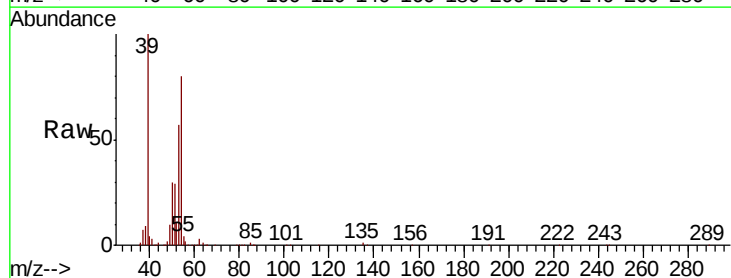
#15
Acetone
Concen: 9.389 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 7:13

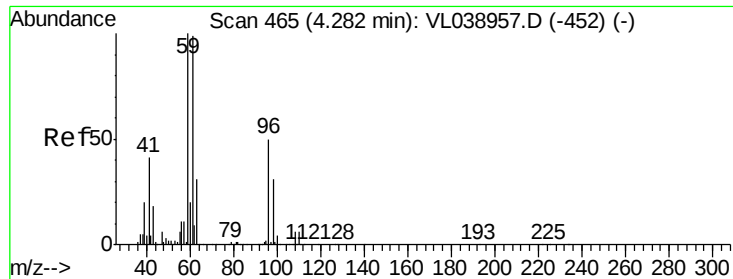
Tot Ion: 43 Resp: 1157711
Ion Ratio Lower Upper
43 100
58 27.9 21.3 31.9



#16
1,3-Butadiene
Concen: 9.674 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

Tgt Ion: 39 Resp: 685350
Ion Ratio Lower Upper
39 100
54 85.8 65.2 97.8





#17

tert-Butyl alcohol

Concen: 11.442 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

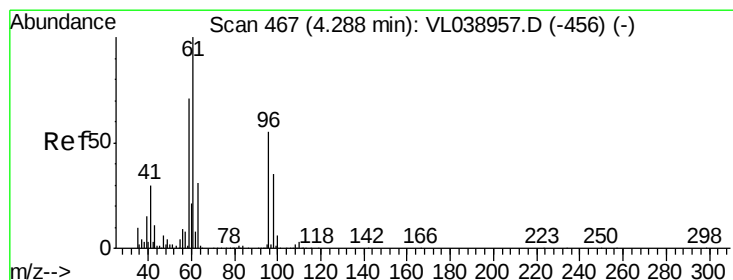
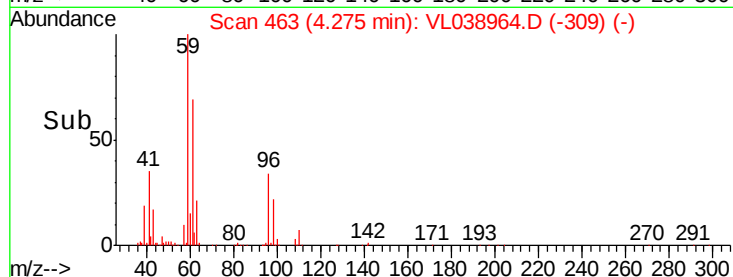
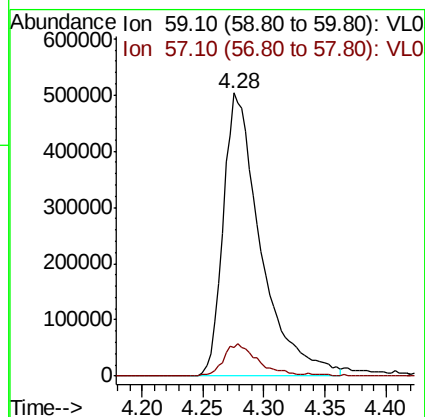
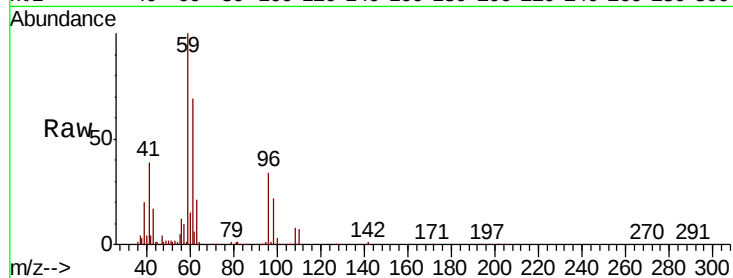
Acq: 5 May 2022 7:13

Tot Ion: 59 Resp: 1084335

Ion Ratio Lower Upper

59 100

57 11.0 9.2 13.8



#18

1,1-Dichloroethene

Concen: 10.343 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

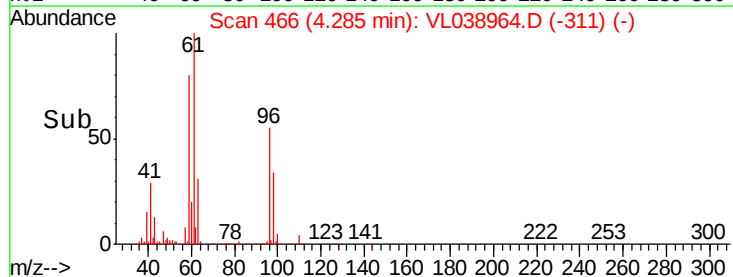
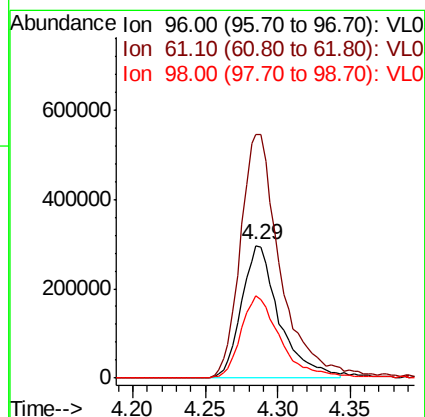
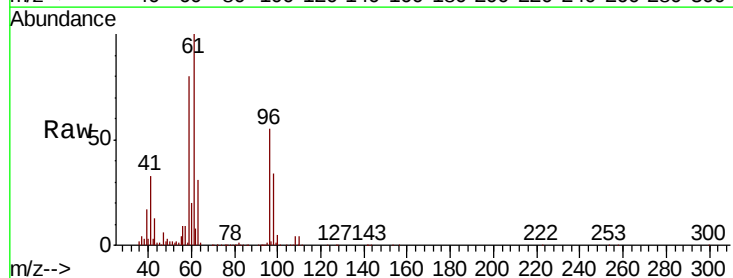
Tgt Ion: 96 Resp: 538837

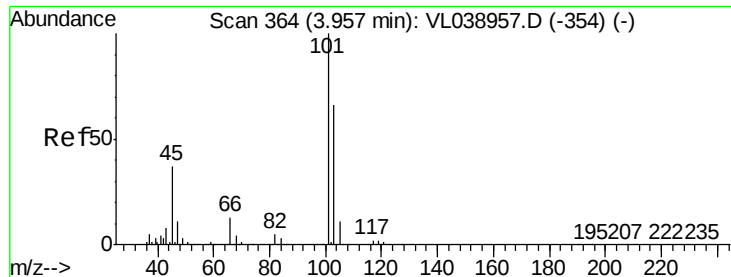
Ion Ratio Lower Upper

96 100

61 183.1 146.3 219.5

98 61.8 50.6 75.8





#19

Isopropyl Alcohol

Concen: 11.612 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

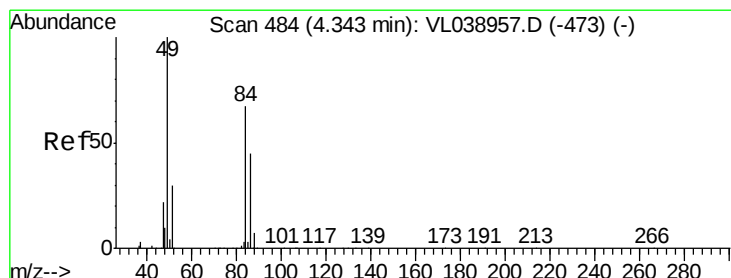
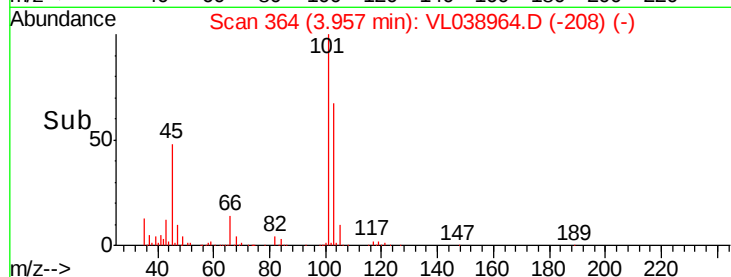
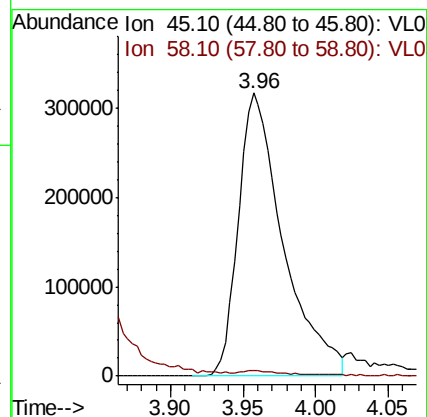
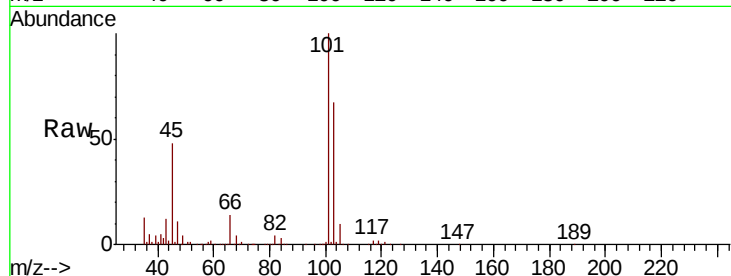
Acq: 5 May 2022 7:13

Tot Ion: 45 Resp: 680758

Ion Ratio Lower Upper

45 100

58 2.7 1.4 2.2#



#20

Methylene Chloride

Concen: 9.546 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

Tgt Ion: 84 Resp: 443640

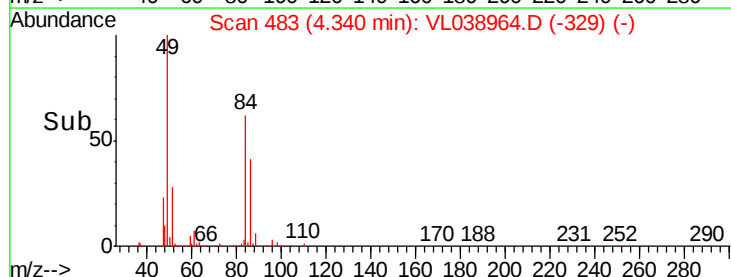
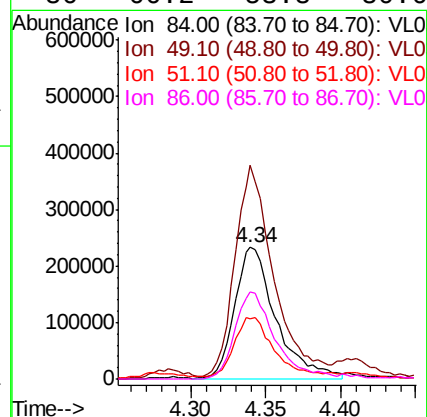
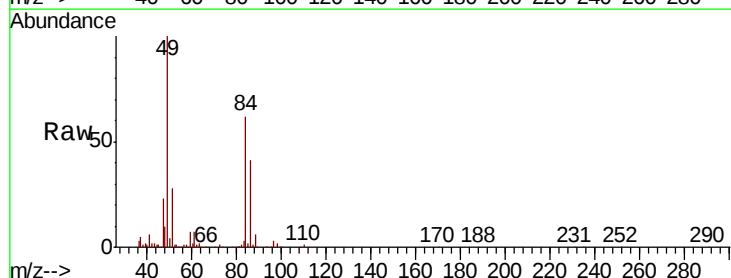
Ion Ratio Lower Upper

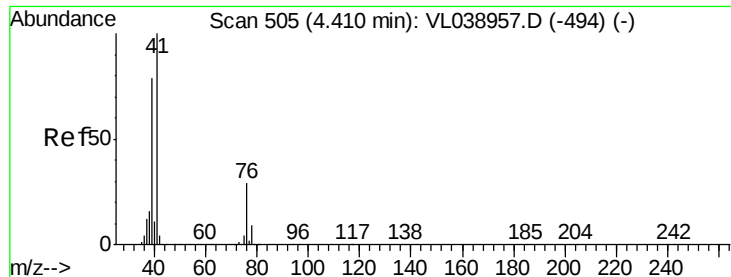
84 100

49 160.1 119.9 179.9

51 44.5 35.7 53.5

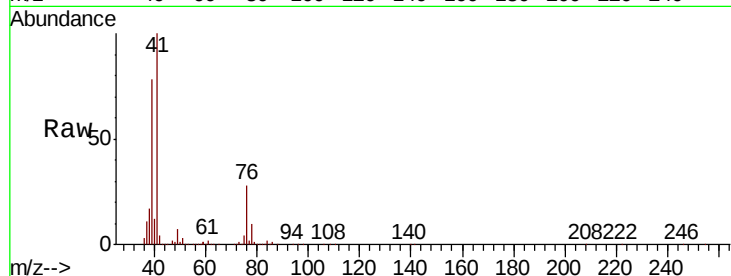
86 66.2 53.8 80.6



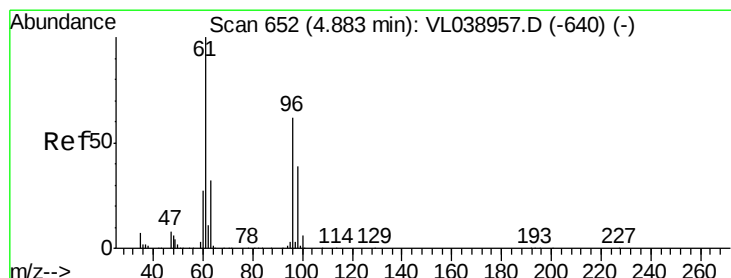
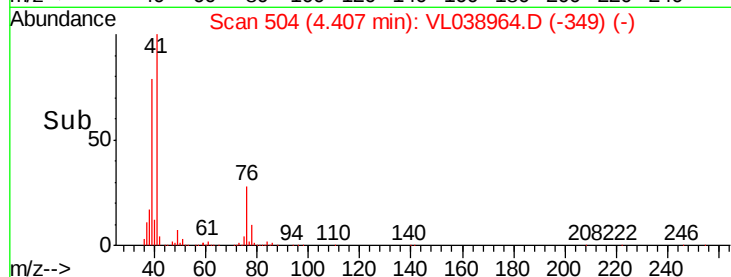
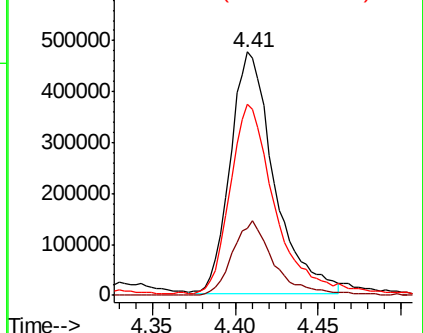


#21
 Allvl Chloride
 Concen: 10.485 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:13

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	24.2	36.4
39	80.6	63.8	95.8

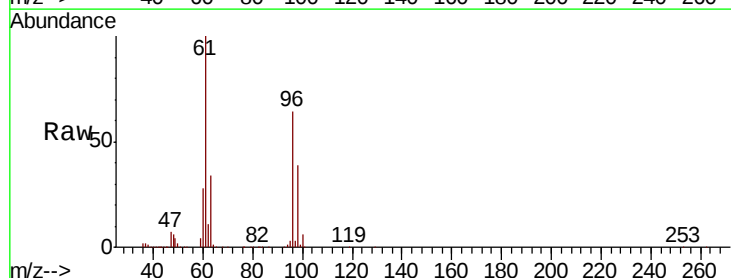


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

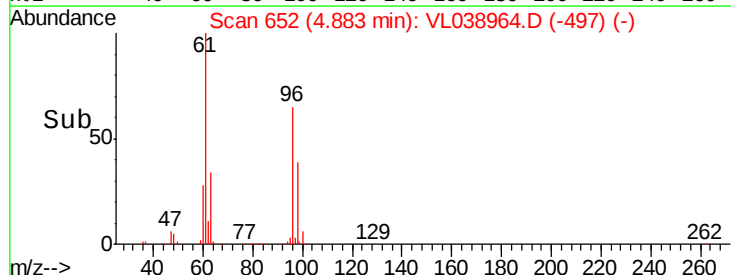
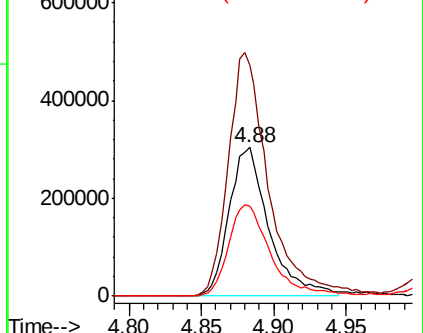


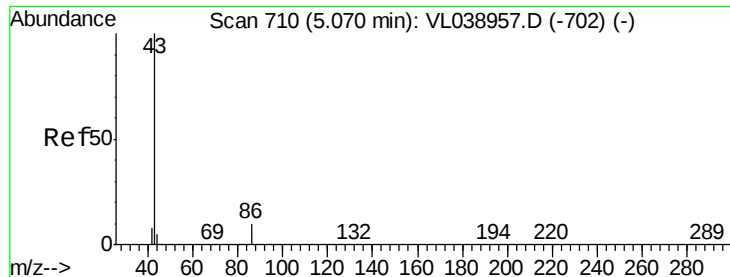
#22
 trans-1,2-Dichloroethene
 Concen: 10.240 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VL038964.D
 Acq: 5 May 2022 7:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	128.2	192.2
98	60.7	50.1	75.1



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





#23

Vinyl Acetate

Concen: 10.522 ppbv

RT: 5.06 Instrument: MSVOA_1

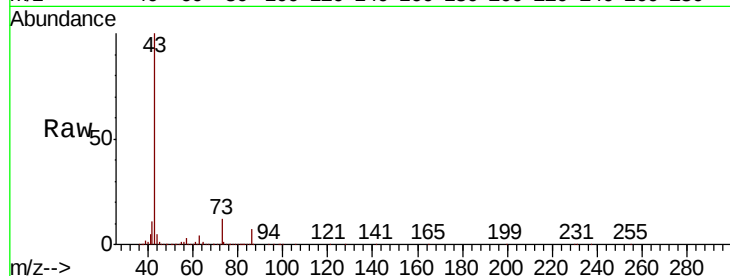
Delta R.T. ClientSampleId:

Lab File: ICVVL050522

Acq: 5 May 2022 7:13

Tot Ion: 43 Resp: 1026503

Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.6	9.8
42	10.8	8.1	12.1
44	4.6	3.5	5.3

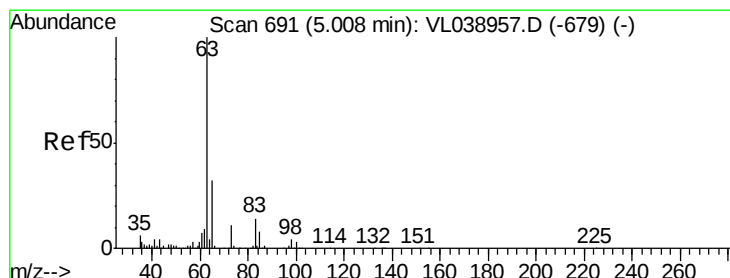
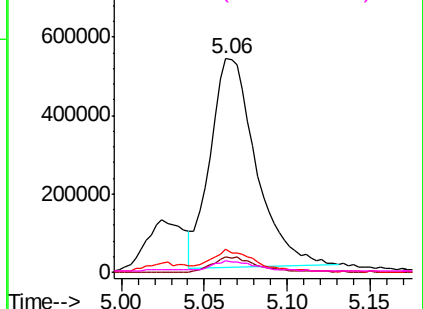
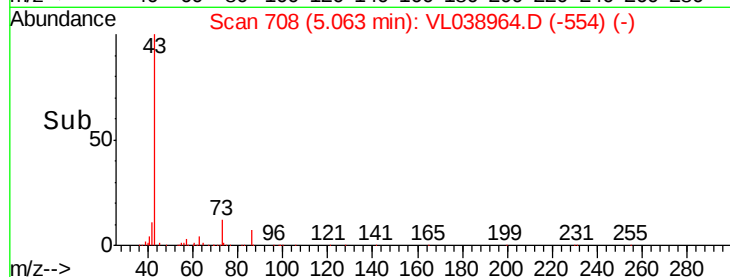


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.915 ppbv

RT: 5.01 min Scan# 690

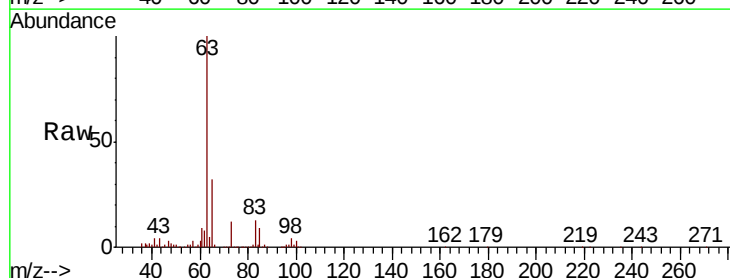
Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

Tgt Ion: 63 Resp: 1113828

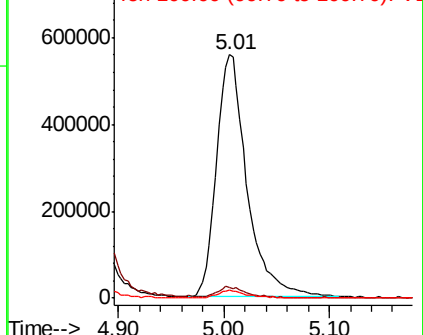
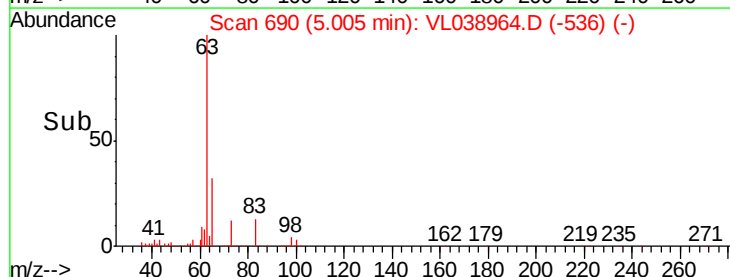
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	3.3	1.4	4.2

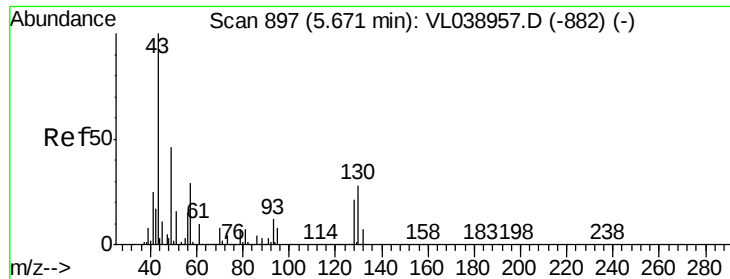


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

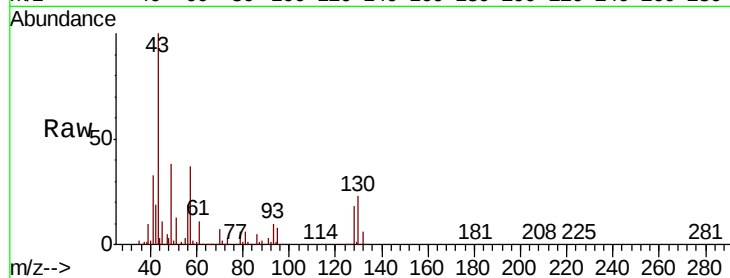




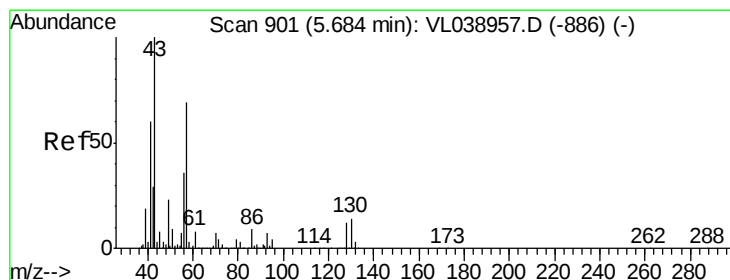
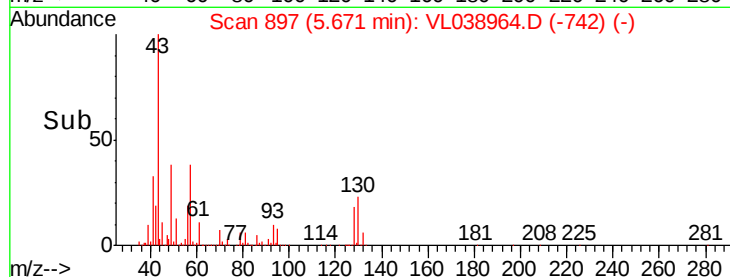
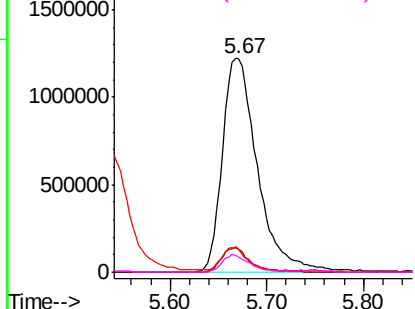
#25
Ethyl Acetate
Concen: 10.395 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
ICVVL050522
Acq: 5 May 2022 7:13

Tot Ion: 43 Resp: 3067779

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	10.0	7.8	11.6
70	6.6	5.6	8.4



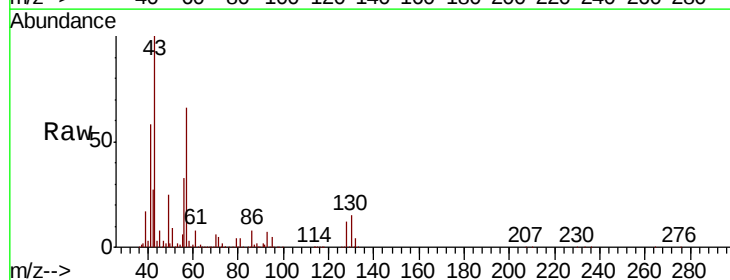
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



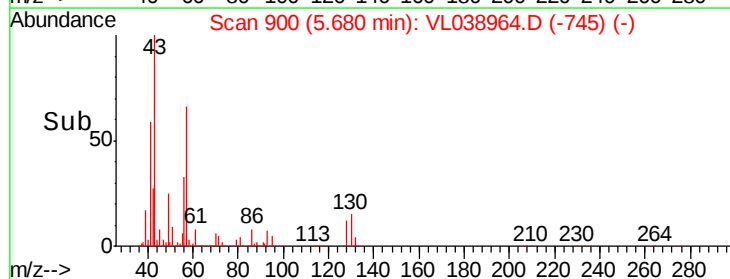
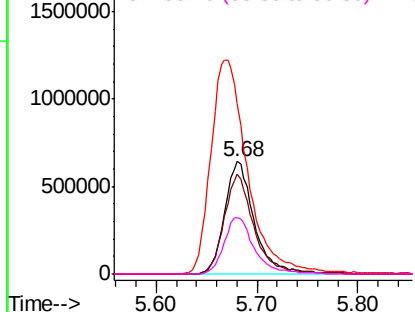
#26
Hexane
Concen: 10.063 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: -0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

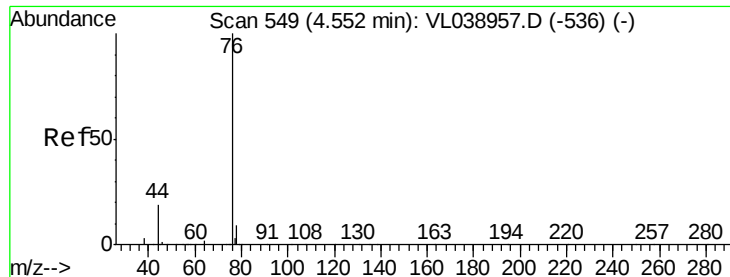
Tgt Ion: 57 Resp: 1319539

Ion	Ratio	Lower	Upper
57	100		
41	90.2	75.2	112.8
43	234.4	190.8	286.2
56	51.7	43.0	64.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.131 ppbv

RT: 4.55 Instrument: MSVOA_1

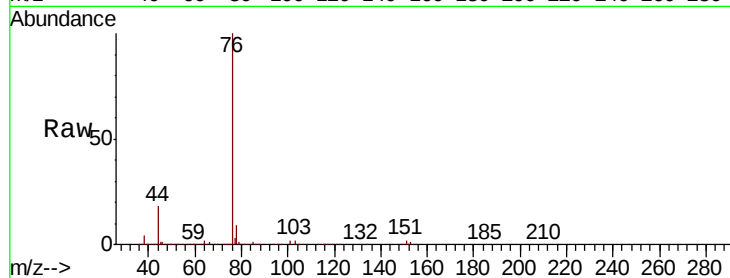
Delta R.T. ClientSampleId:

Lab File: ICVVL050522

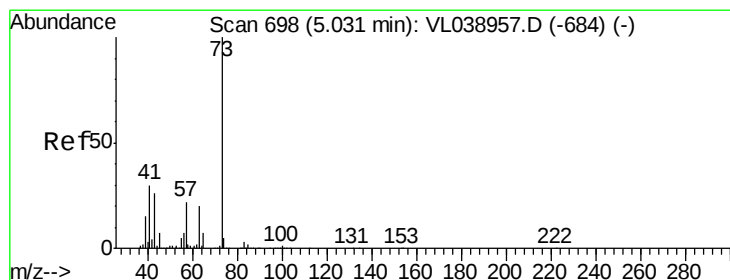
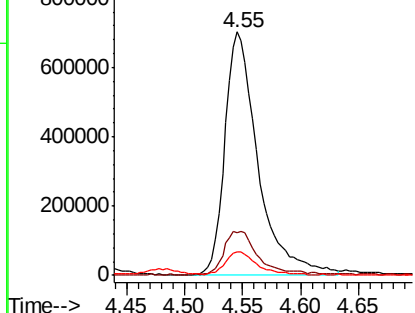
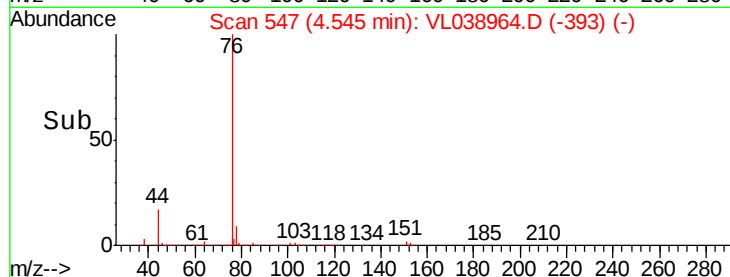
Acq: 5 May 2022 7:13

Tot Ion: 76 Resp: 1386512

Ion	Ratio	Lower	Upper
76	100		
44	19.0	15.3	22.9
78	10.0	8.2	12.2



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



#28

Methyl tert-Butyl Ether

Concen: 10.483 ppbv

RT: 5.03 min Scan# 697

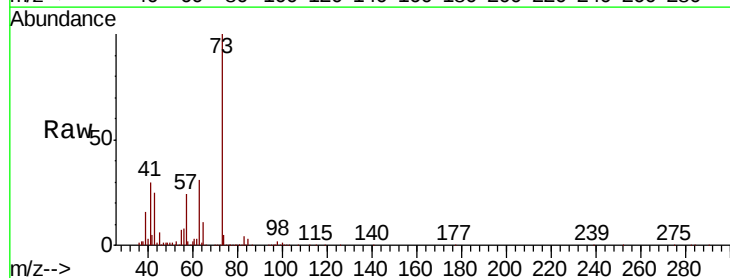
Delta R.T. -0.00 min

Lab File: VL038964.D

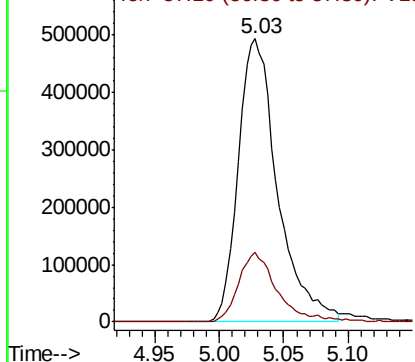
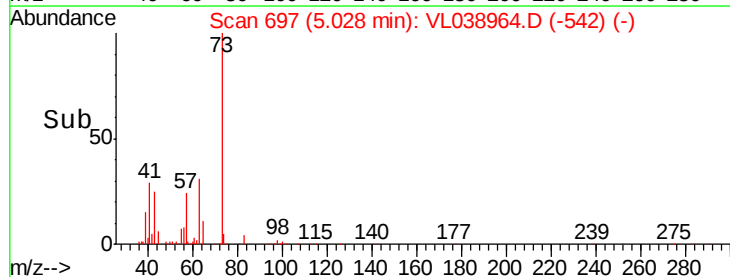
Acq: 5 May 2022 7:13

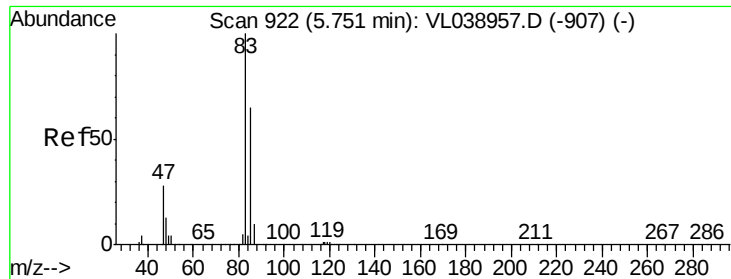
Tgt Ion: 73 Resp: 1045910

Ion	Ratio	Lower	Upper
73	100		
57	24.5	18.8	28.2



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





#29

Chloroform

Concen: 9.849 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

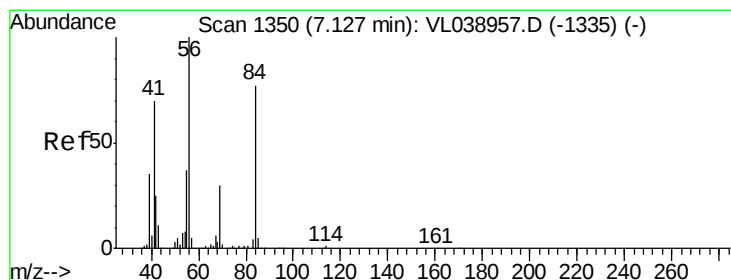
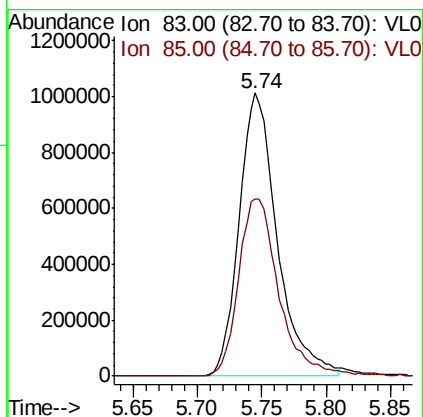
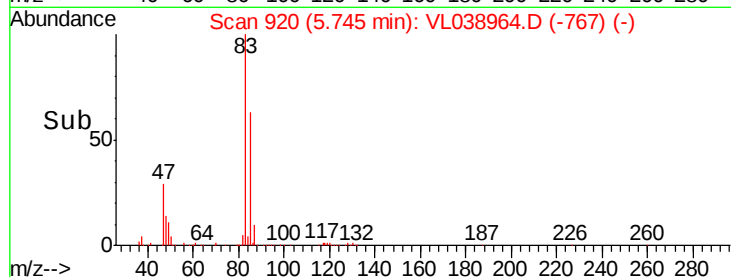
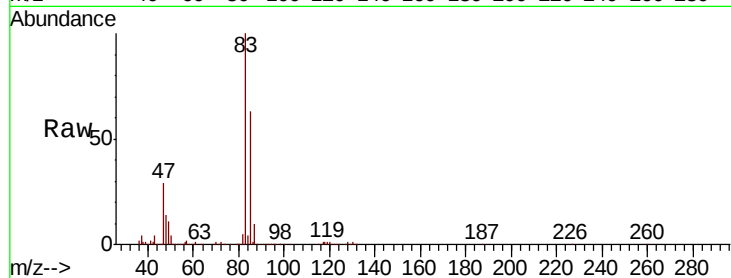
Acq: 5 May 2022 7:13

Tot Ion: 83 Resp: 2089465

Ion Ratio Lower Upper

83 100

85 62.6 51.8 77.6



#30

Cyclohexane

Concen: 9.936 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

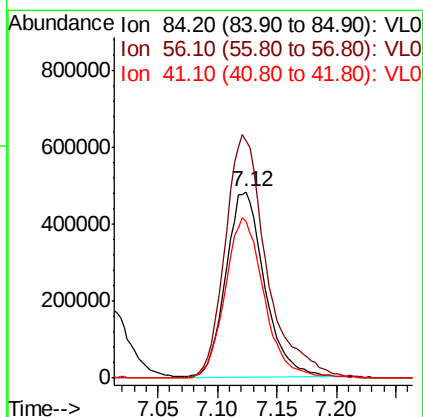
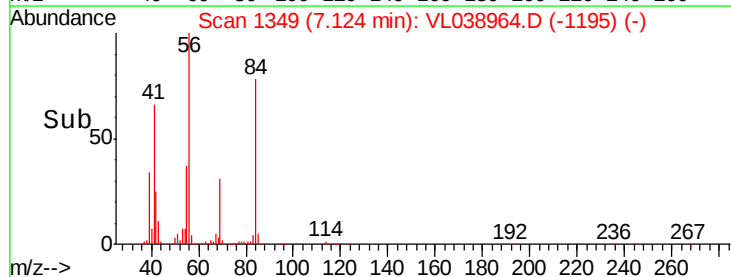
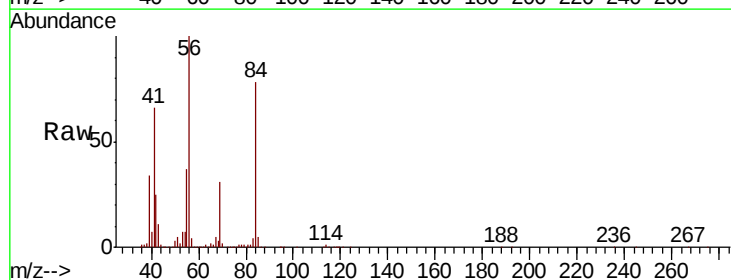
Tgt Ion: 84 Resp: 1090832

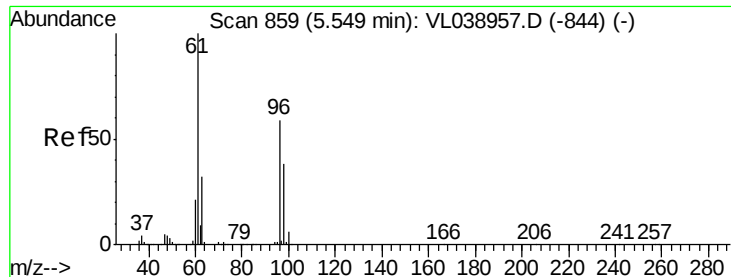
Ion Ratio Lower Upper

84 100

56 141.1 115.3 172.9

41 87.2 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 10.228 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 5 May 2022 7:13

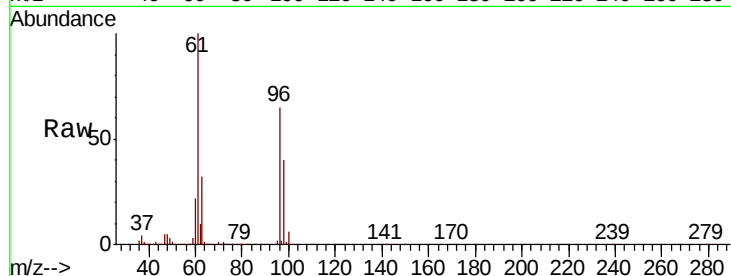
Tot Ion: 61 Resp: 1366405

Ion Ratio Lower Upper

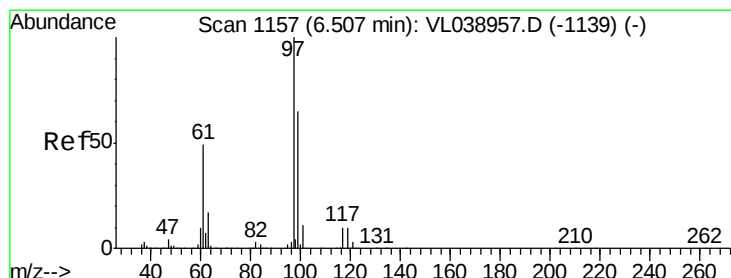
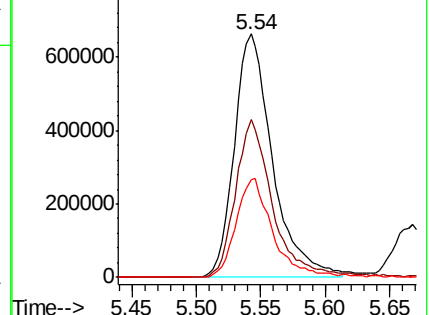
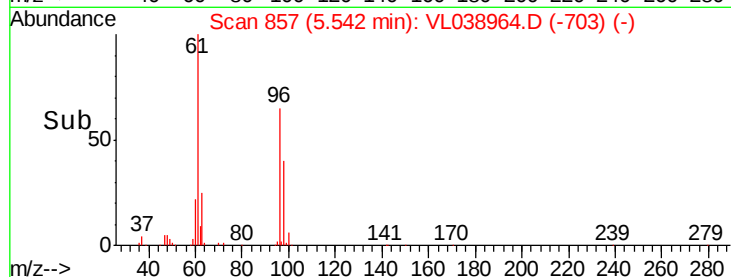
61 100

96 64.8 47.4 71.0

98 40.1 30.6 45.8



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: 10.101 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

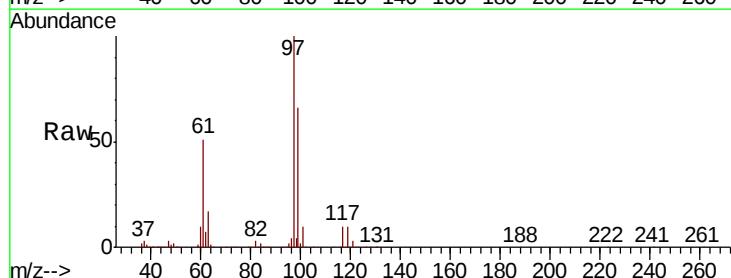
Tgt Ion: 97 Resp: 2142656

Ion Ratio Lower Upper

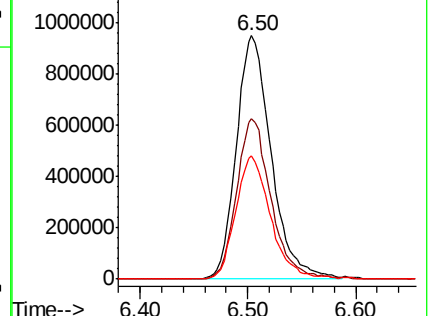
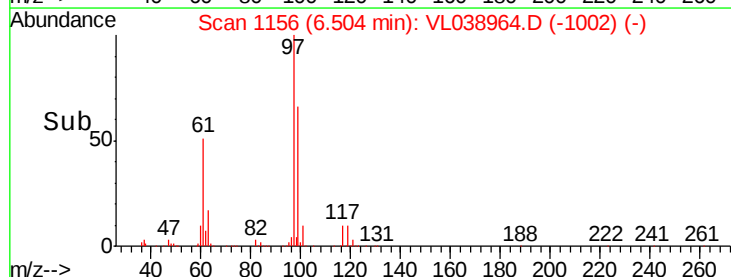
97 100

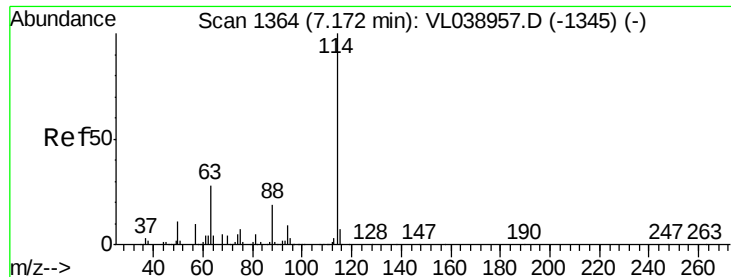
99 65.0 51.9 77.9

61 50.7 40.9 61.3



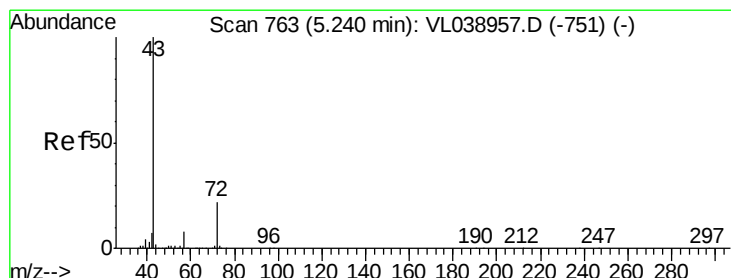
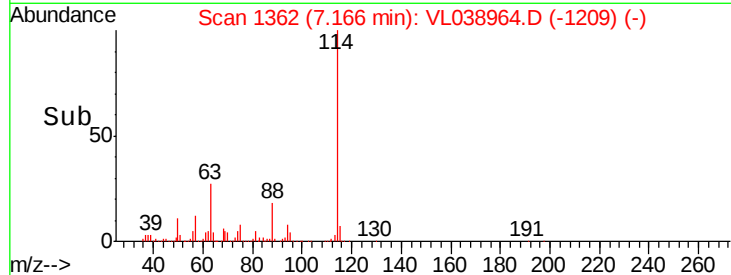
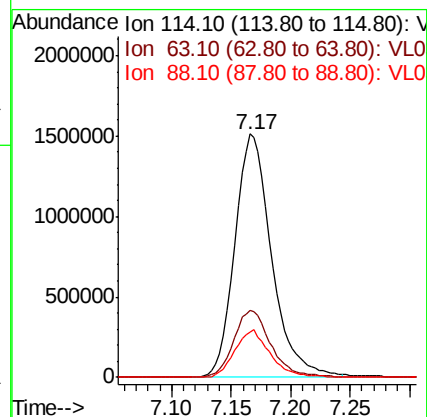
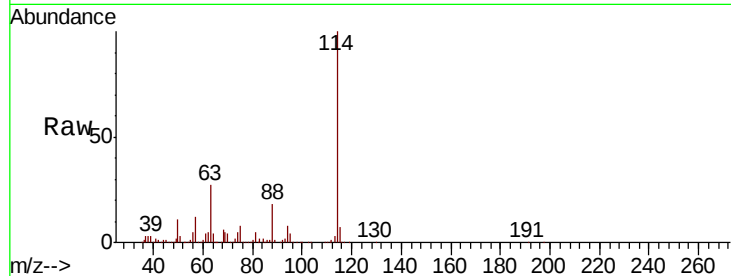
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





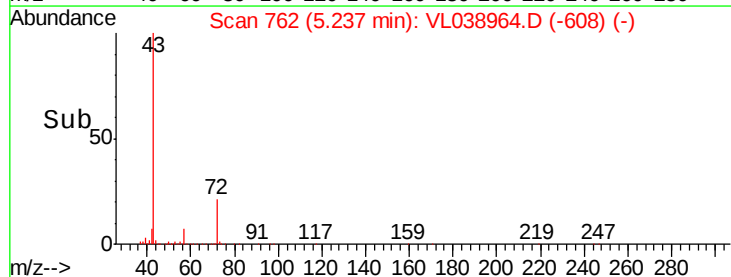
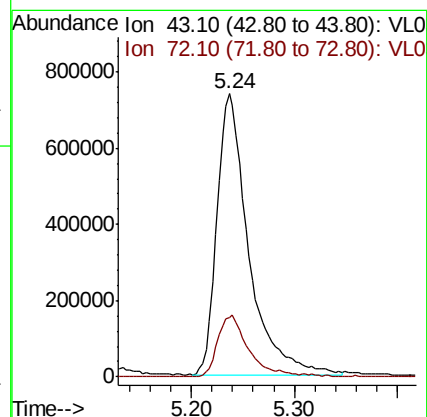
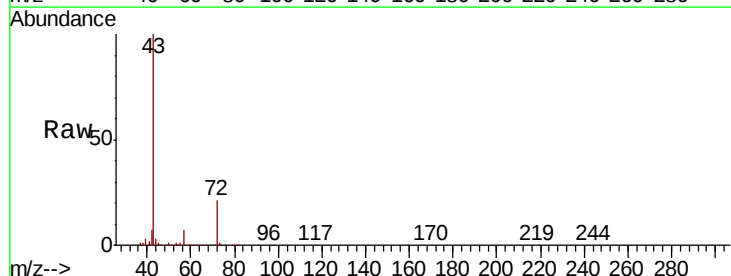
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:13

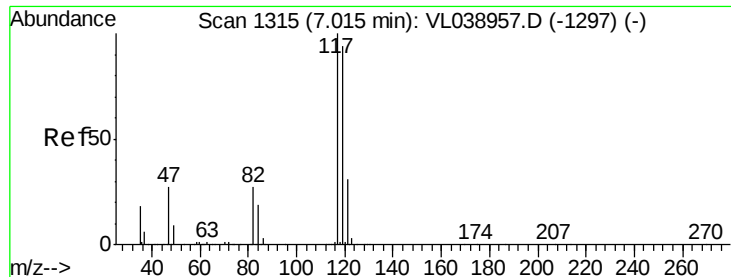
Tot Ion:114 Resp: 3232147
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.6 33.8
 88 18.9 15.4 23.0



#34
 2-Butanone
 Concen: 9.547 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T.: -0.00 min
 Lab File: VL038964.D
 Acq: 5 May 2022 7:13

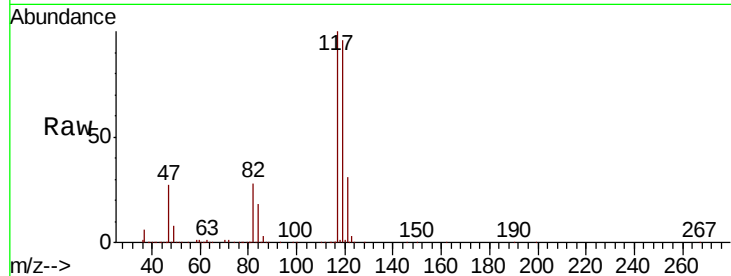
Tgt Ion: 43 Resp: 1574325
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6



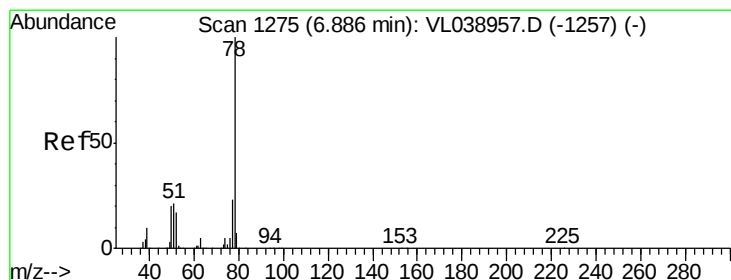
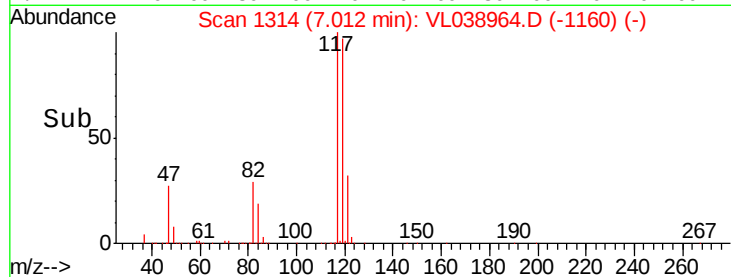
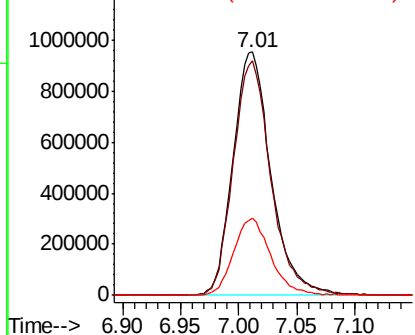


#35
Carbon Tetrachloride
Concen: 10.141 ppbv
RT: 7.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
ICVVL050522
Acq: 5 May 2022 7:13

Tot Ion:117 Resp: 2159634
Ion Ratio Lower Upper
117 100
119 96.3 75.2 112.8
121 31.5 24.6 37.0

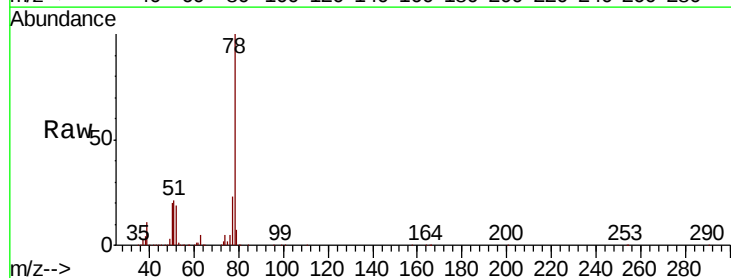


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

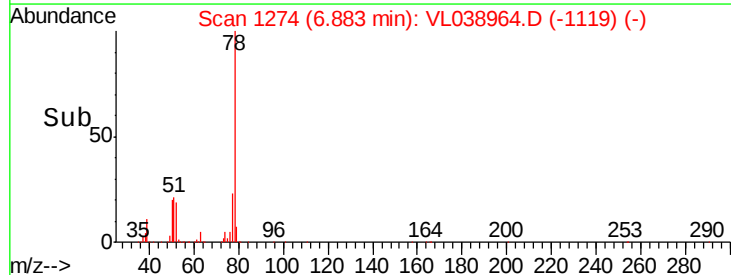
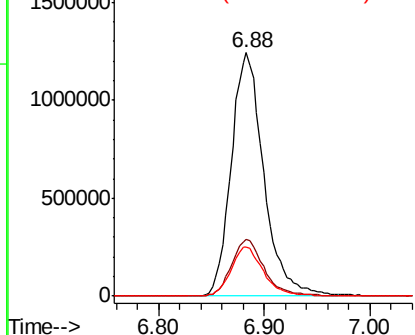


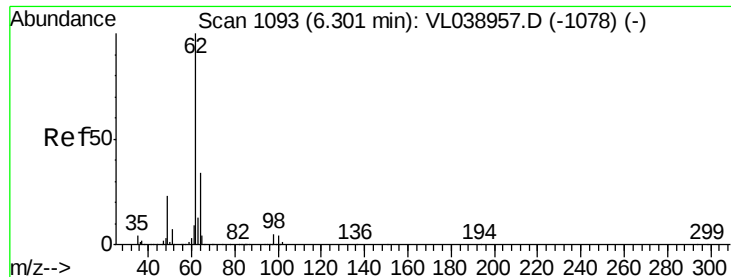
#36
Benzene
Concen: 9.617 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

Tgt Ion: 78 Resp: 2660119
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0
50 20.0 15.6 23.4



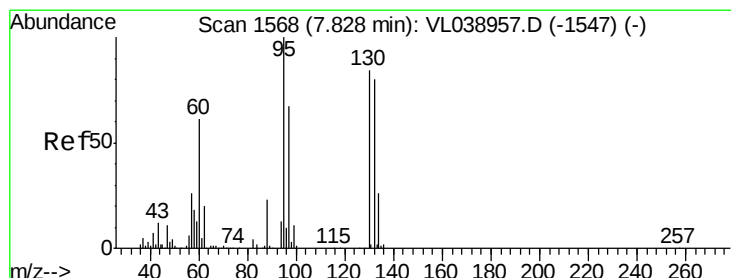
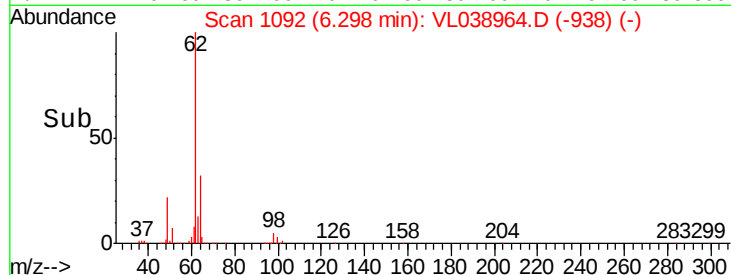
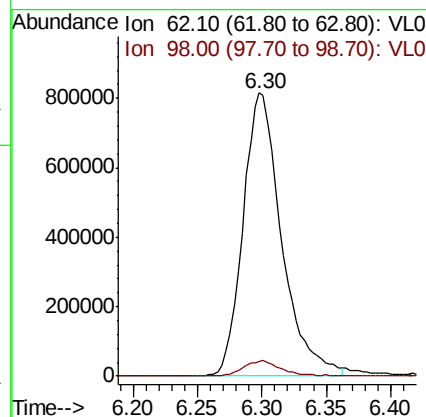
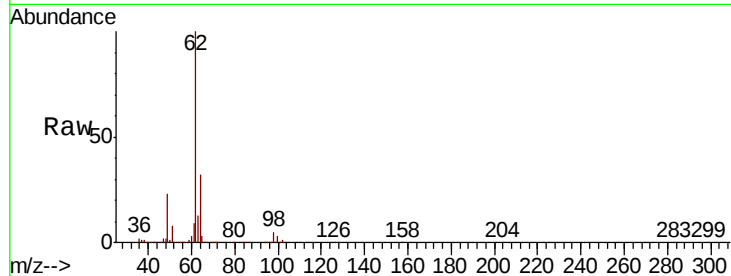
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





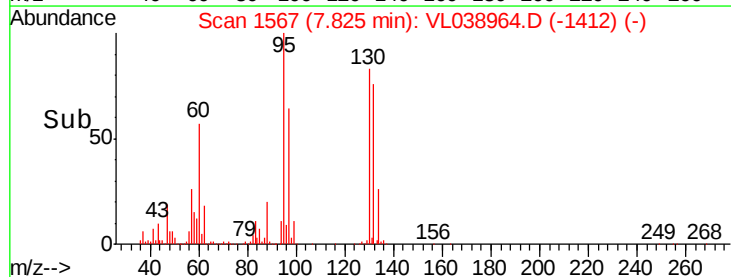
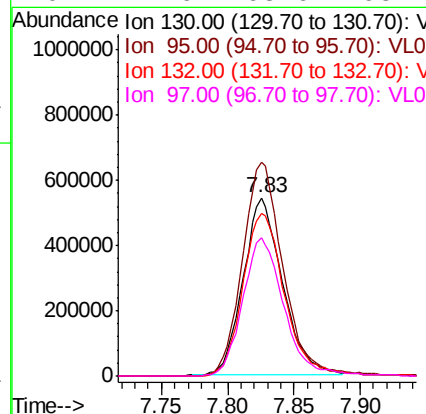
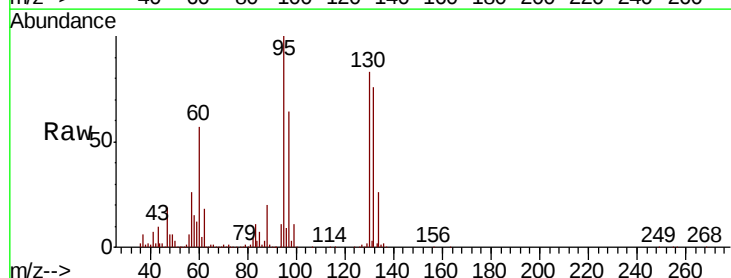
#37
 1,2-Dichloroethane
 Concen: 9.907 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:13

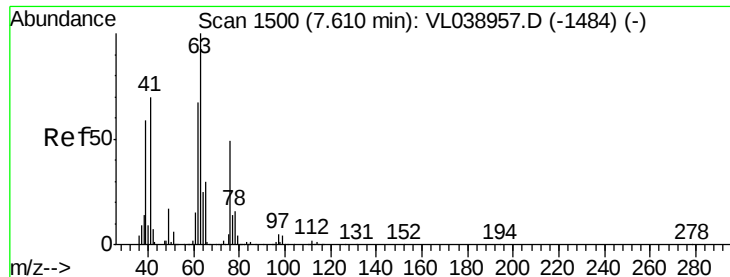
Tot Ion: 62 Resp: 1695544
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7



#38
 Trichloroethene
 Concen: 9.158 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL038964.D
 Acq: 5 May 2022 7:13

Tgt Ion: 130 Resp: 1126154
 Ion Ratio Lower Upper
 130 100
 95 120.4 94.8 142.2
 132 91.9 75.8 113.8
 97 77.6 63.6 95.4





#39

1,2-Dichloropropane

Concen: 9.851 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 7:13

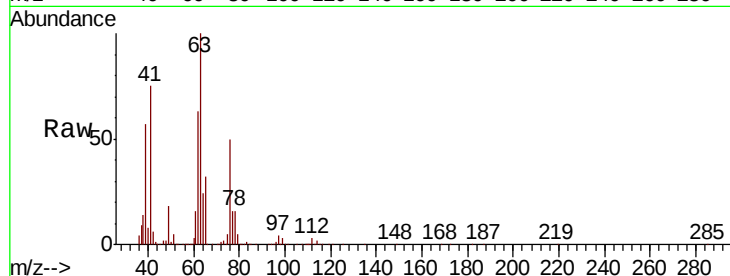
Tot Ion: 63 Resp: 1060260

Ion Ratio Lower Upper

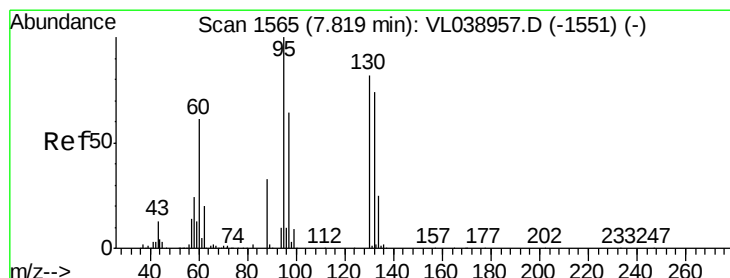
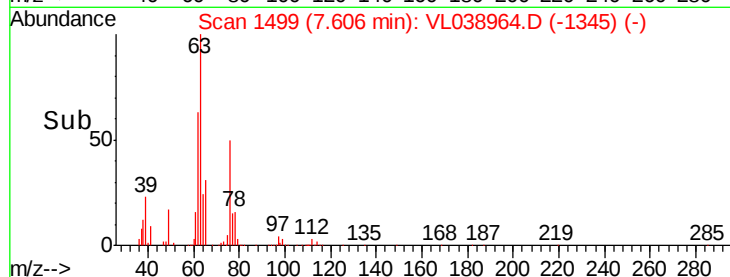
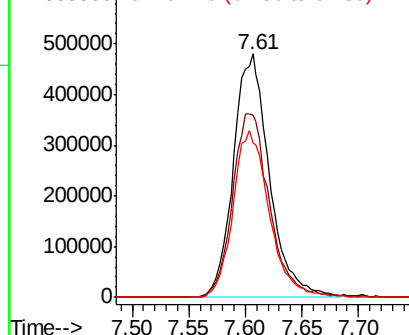
63 100

41 75.0 55.9 83.9

62 63.4 53.8 80.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.094 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

Tgt Ion: 88 Resp: 312892

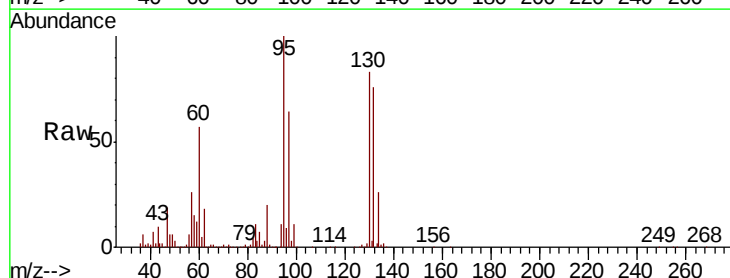
Ion Ratio Lower Upper

88 100

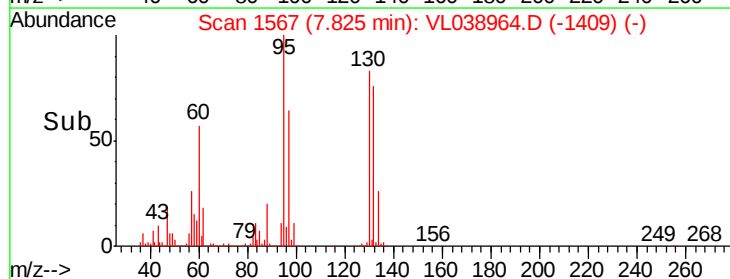
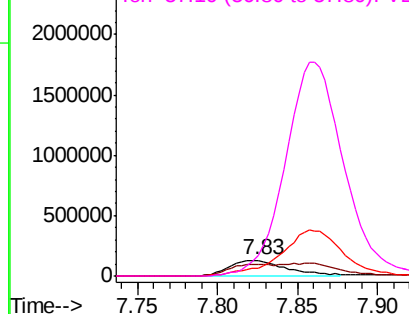
58 0.0 106.1 159.1#

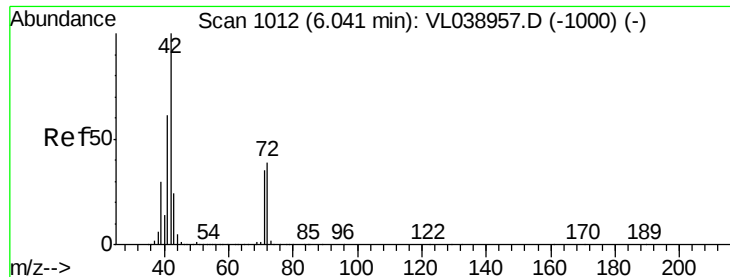
43 0.0 222.9 334.3#

57 0.0 957.6 1436.4#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.049 ppbv

RT: 6.04

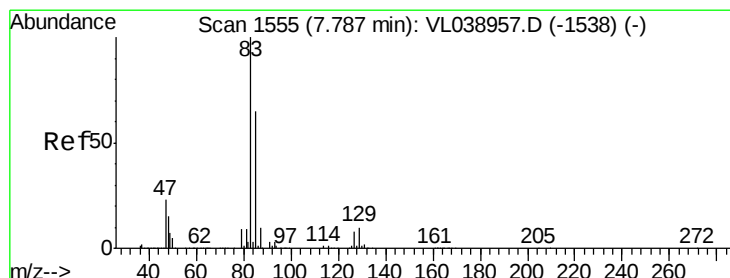
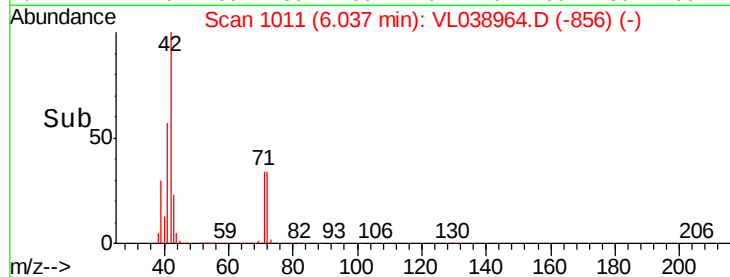
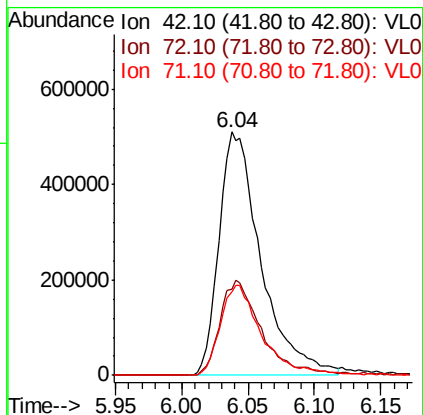
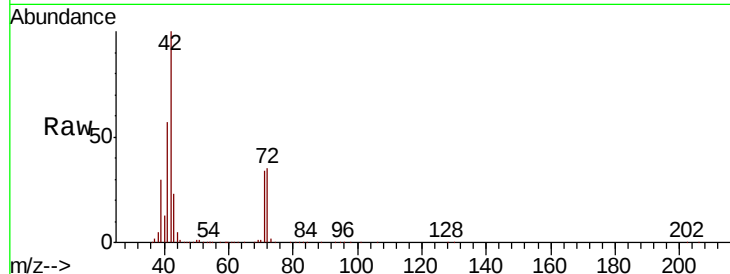
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 7:13

Tot Ion: 42 Resp: 1113686

Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.8	47.6
71	37.5	30.6	45.8



#42

Bromodichloromethane

Concen: 10.075 ppbv

RT: 7.78 min Scan# 1554

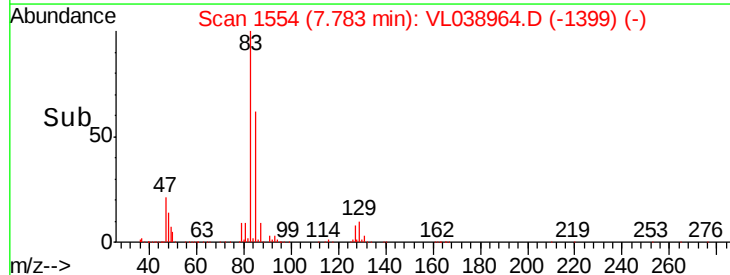
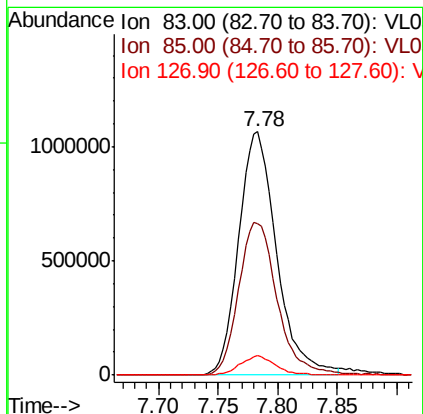
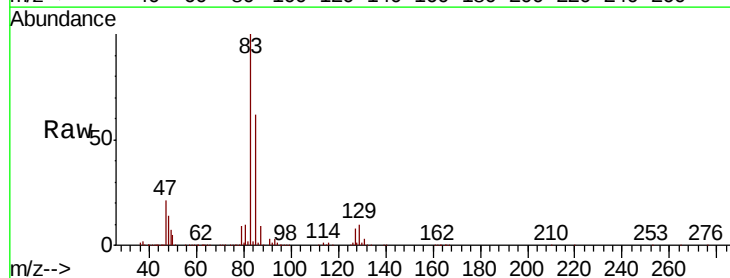
Delta R.T. -0.00 min

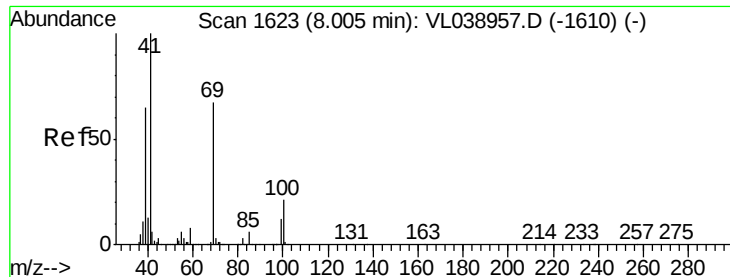
Lab File: VL038964.D

Acq: 5 May 2022 7:13

Tgt Ion: 83 Resp: 2357178

Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.0	78.0
127	8.3	6.0	9.0





#43

Methyl Methacrylate

Concen: 9.842 ppbv

RT: 8.00 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

ICVVL050522

Acq: 5 May 2022 7:13

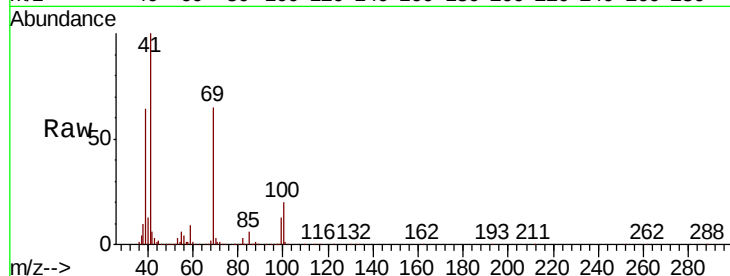
Tot Ion: 69 Resp: 1105141

Ion Ratio Lower Upper

69 100

41 156.4 121.9 182.9

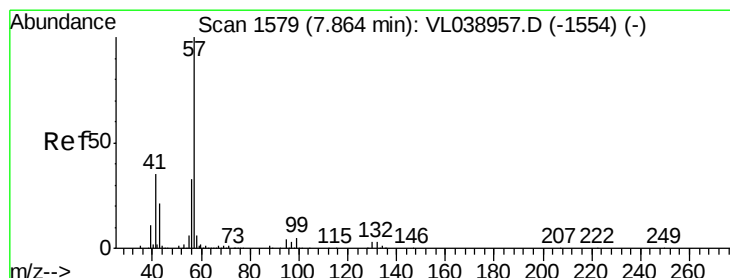
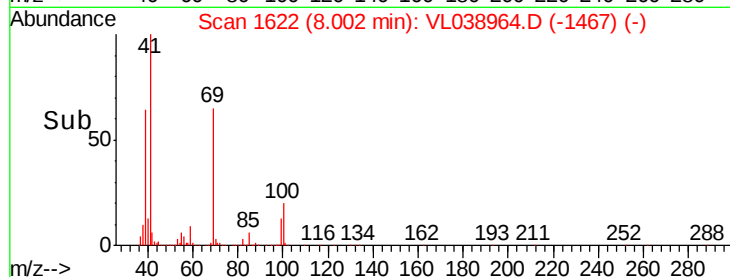
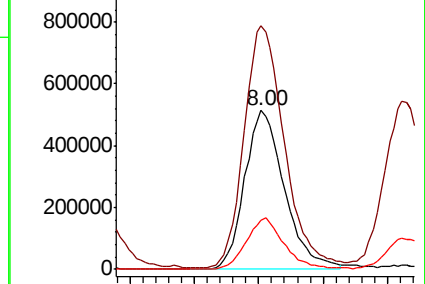
100 30.4 24.6 36.8



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.394 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

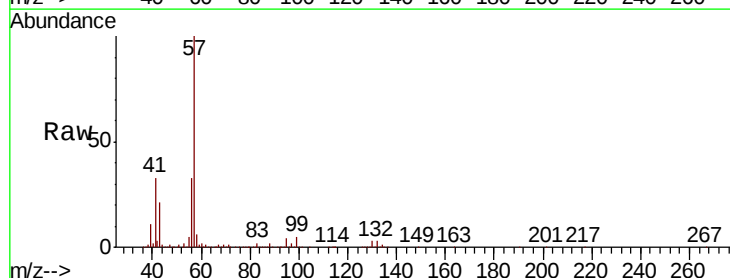
Tgt Ion: 57 Resp: 4559359

Ion Ratio Lower Upper

57 100

41 32.7 26.3 39.5

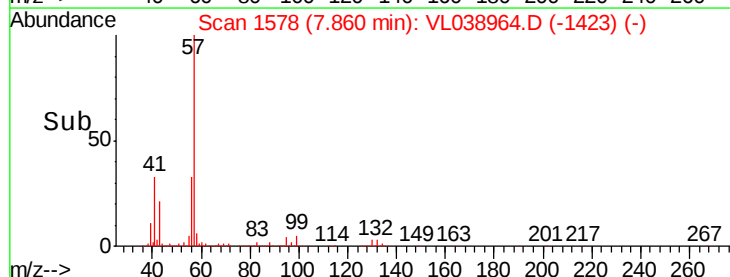
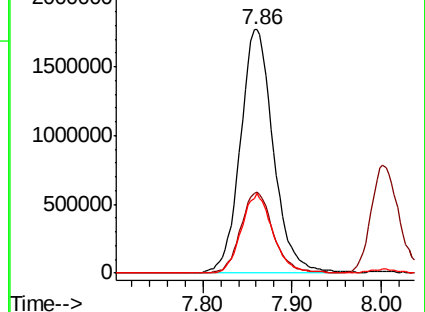
56 31.2 24.6 37.0

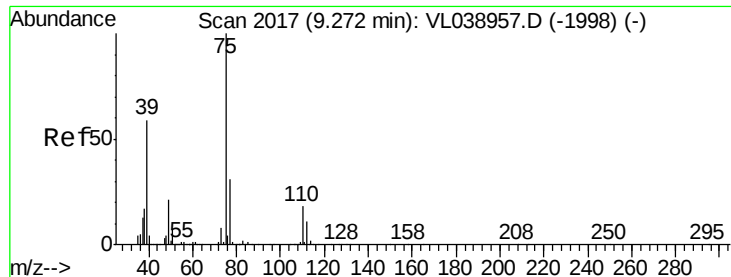


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.742 ppbv

RT: 9.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

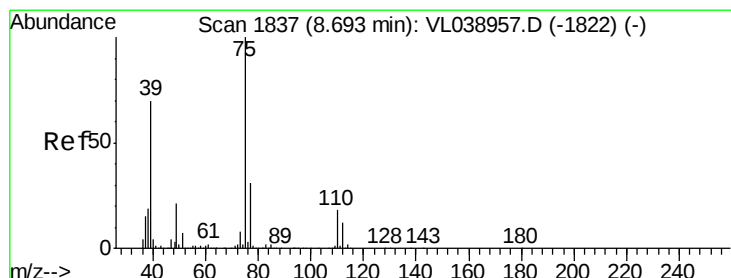
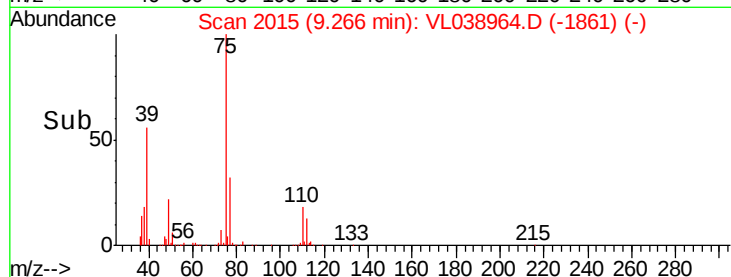
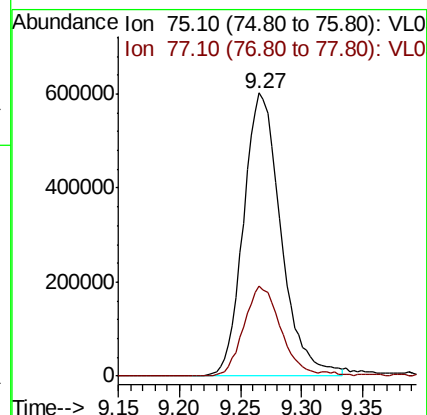
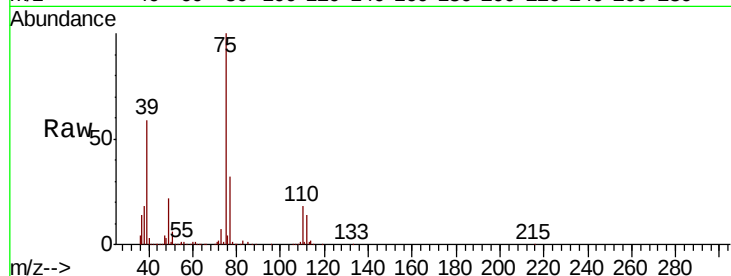
Acq: 5 May 2022 7:13

Tot Ion: 75 Resp: 1276380

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.866 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

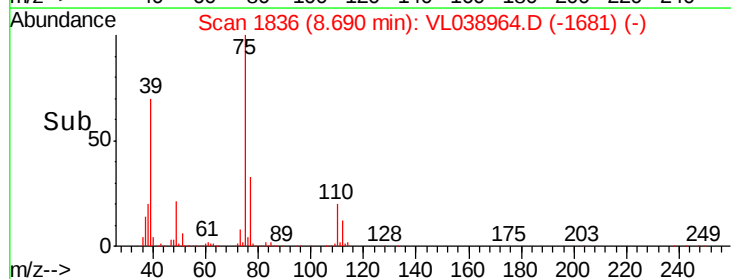
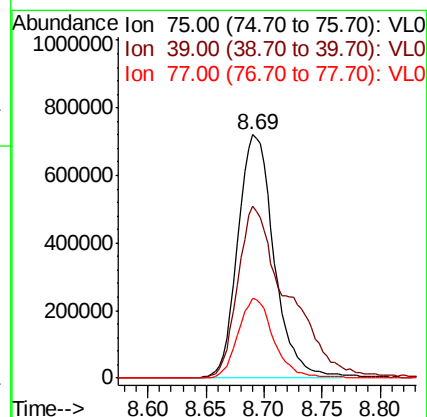
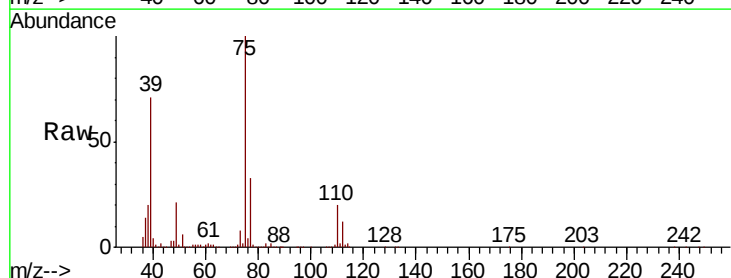
Tgt Ion: 75 Resp: 1566213

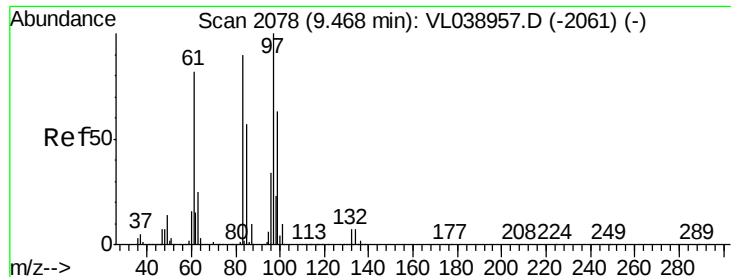
Ion Ratio Lower Upper

75 100

39 70.7 55.8 83.6

77 32.8 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 5.211 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 7:13

Tot Ion: 97 Resp: 583285

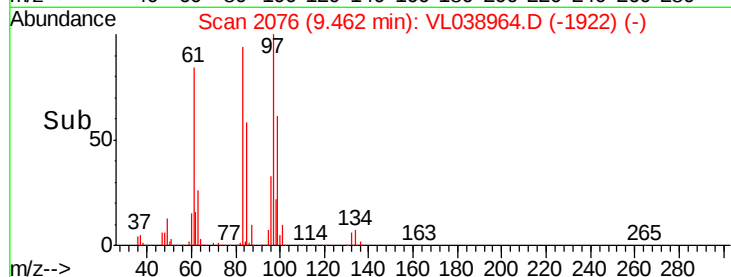
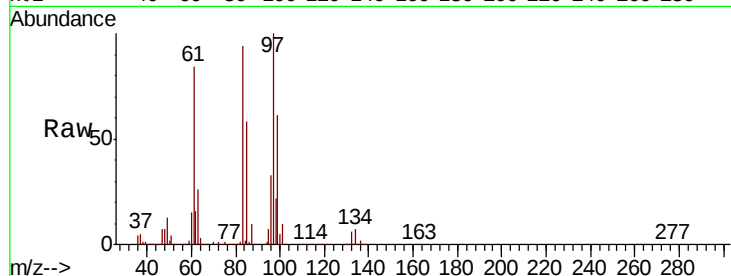
Ion Ratio Lower Upper

97 100

83 93.5 72.0 108.0

85 58.3 45.7 68.5

99 61.2 50.2 75.4

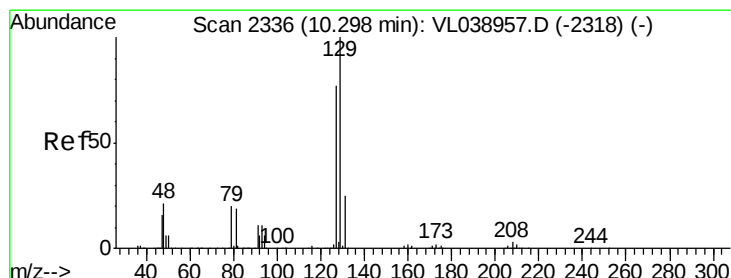
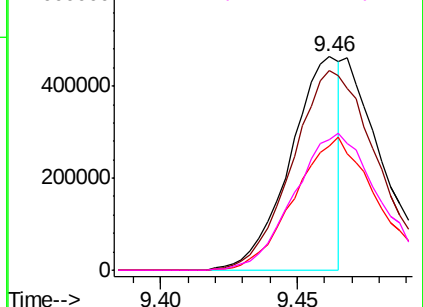


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.048 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.01 min

Lab File: VL038964.D

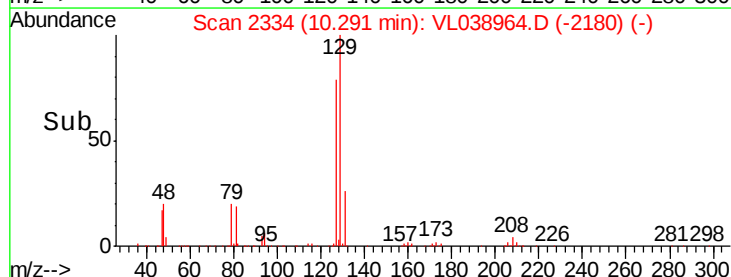
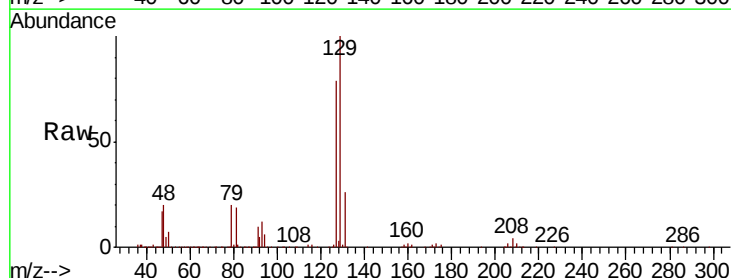
Acq: 5 May 2022 7:13

Tgt Ion:129 Resp: 1830664

Ion Ratio Lower Upper

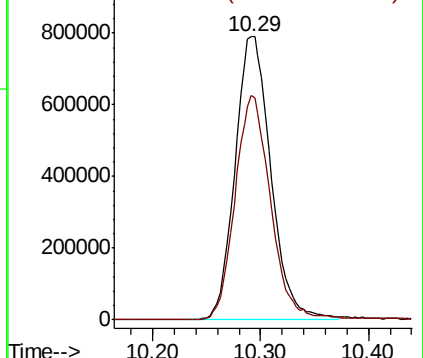
129 100

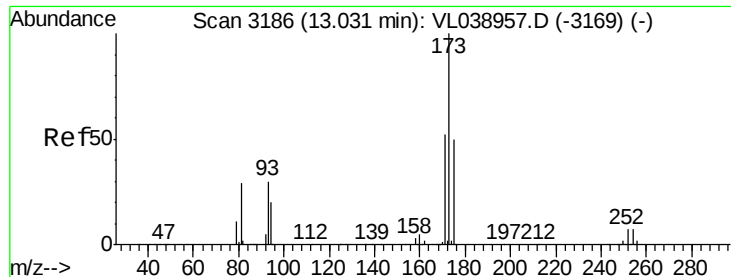
127 79.7 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.959 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

ICVVL050522

Acq: 5 May 2022 7:13

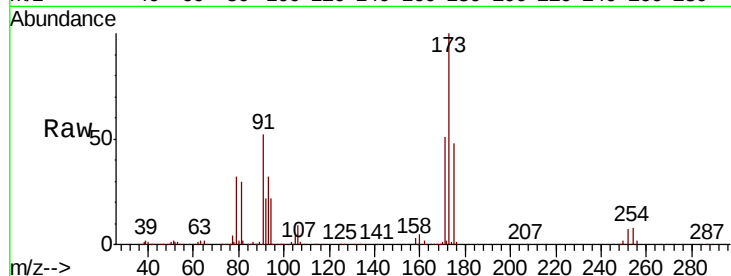
Tot Ion:173 Resp: 1383768

Ion Ratio Lower Upper

173 100

175 51.7 41.0 61.6

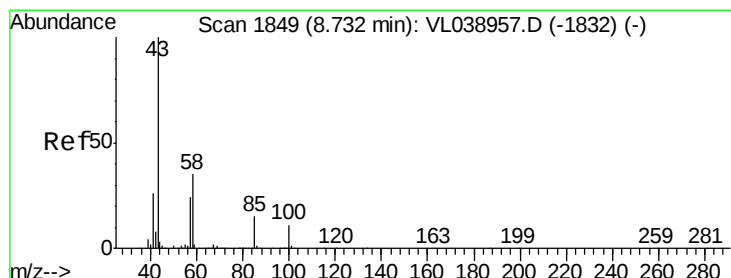
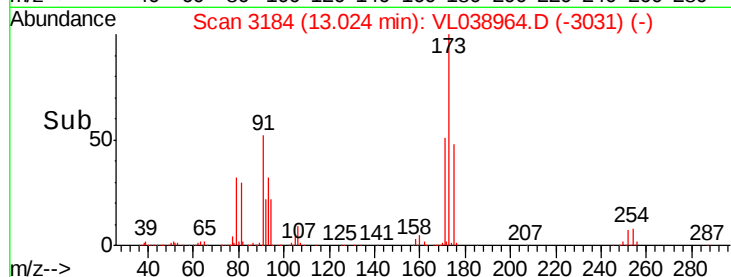
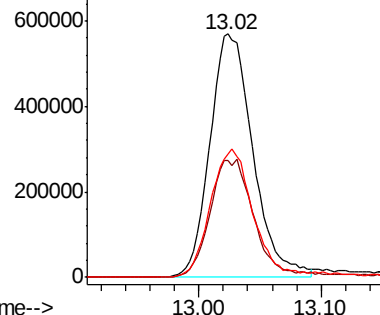
171 53.7 42.6 64.0



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: 9.660 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL038964.D

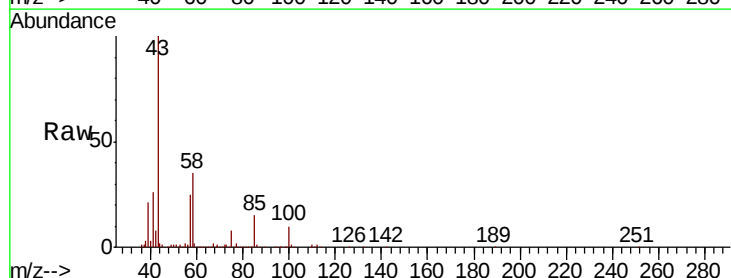
Acq: 5 May 2022 7:13

Tgt Ion: 43 Resp: 2793063

Ion Ratio Lower Upper

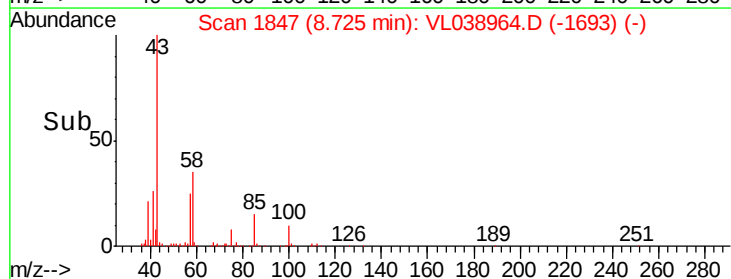
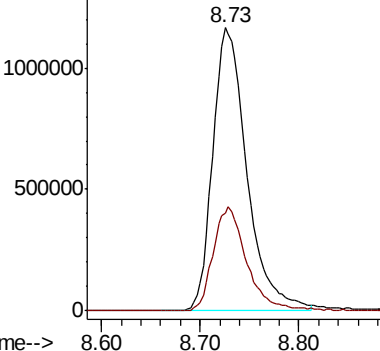
43 100

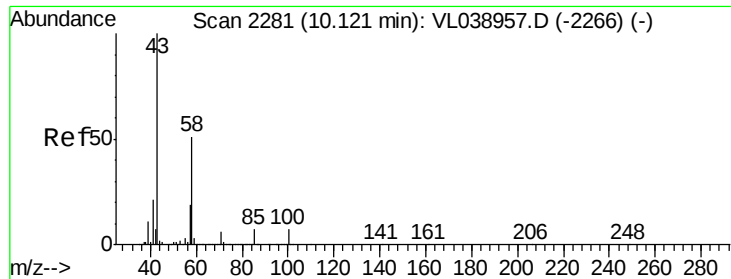
58 36.3 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

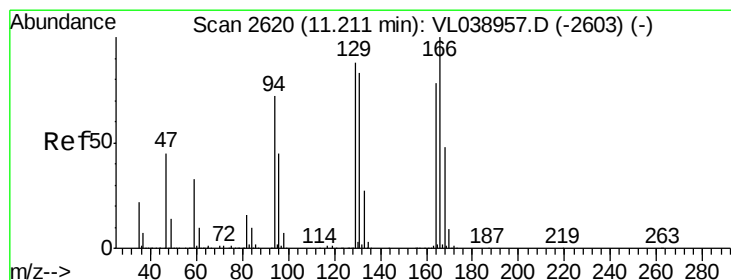
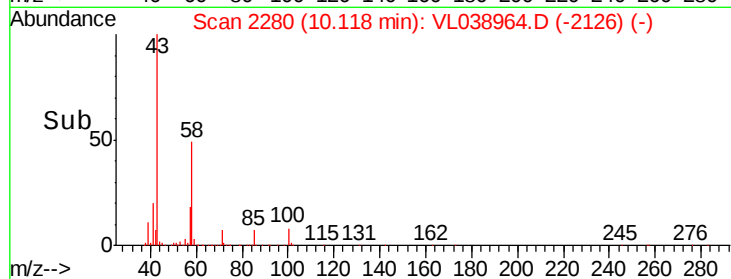
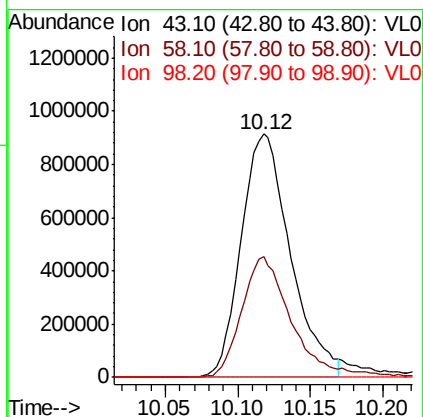
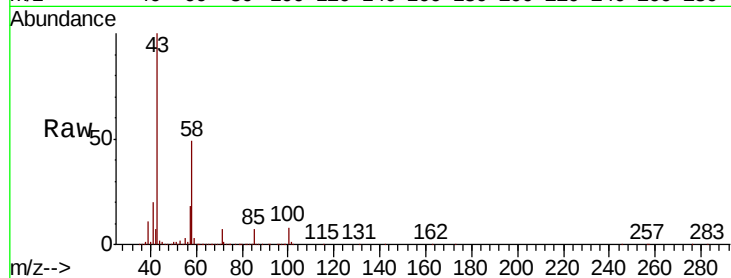
Ion 58.10 (57.80 to 58.80): VL0





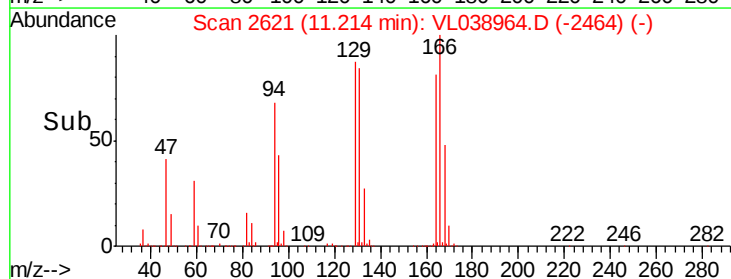
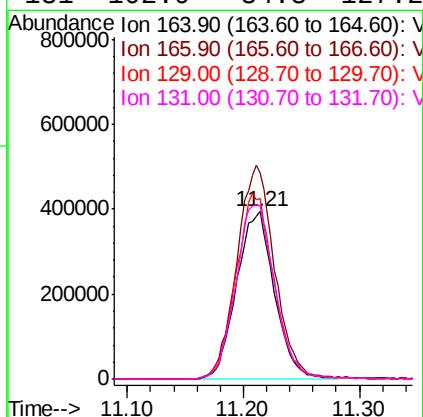
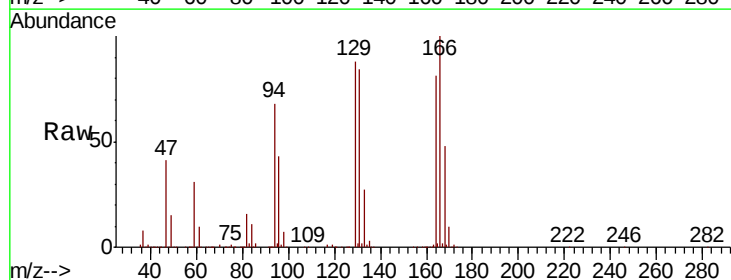
#51
2-Hexanone
Concen: 10.244 ppbv
RT: 10.12 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
ICVVL050522
Acq: 5 May 2022 7:13

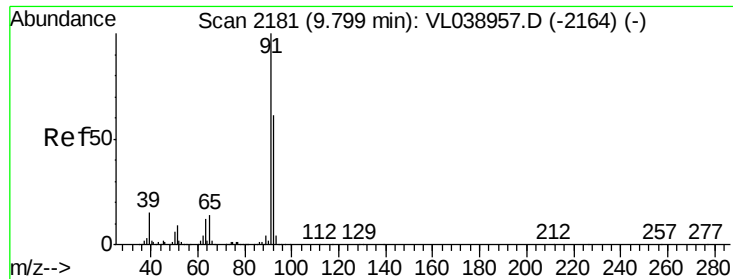
Tot Ion: 43 Resp: 2161853
Ion Ratio Lower Upper
43 100
58 51.5 39.3 58.9
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.012 ppbv
RT: 11.21 min Scan# 2621
Delta R.T.: 0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

Tgt Ion: 164 Resp: 890764
Ion Ratio Lower Upper
164 100
166 123.1 102.5 153.7
129 107.9 90.1 135.1
131 102.9 84.8 127.2





#53

Toluene

Concen: 9.723 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

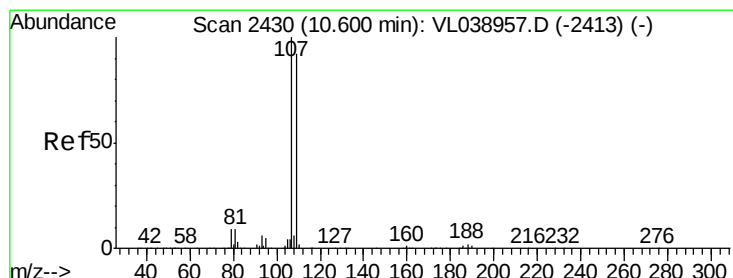
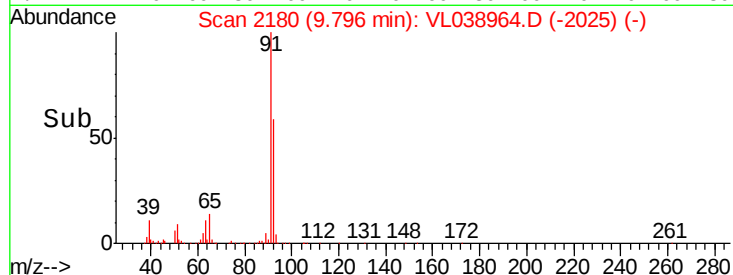
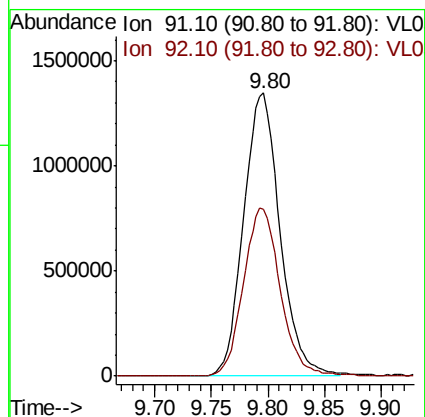
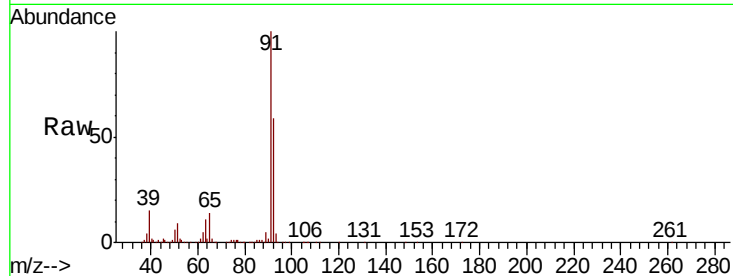
Acq: 5 May 2022 7:13

Tot Ion: 91 Resp: 3014307

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.764 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VL038964.D

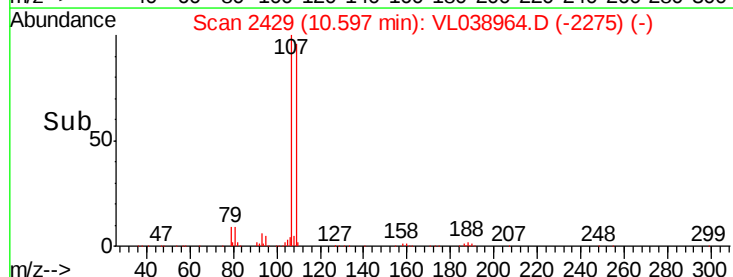
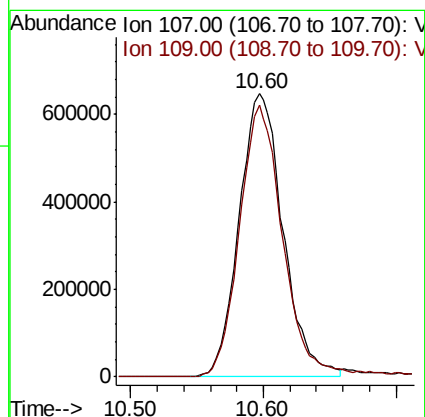
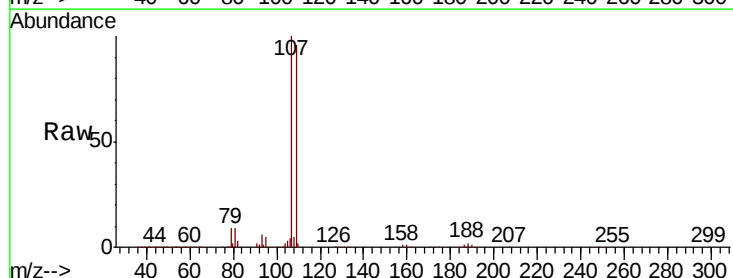
Acq: 5 May 2022 7:13

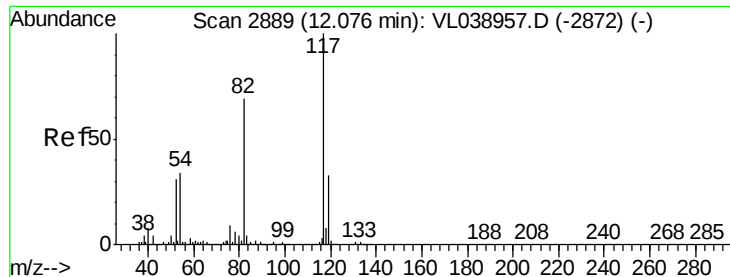
Tgt Ion: 107 Resp: 1487856

Ion Ratio Lower Upper

107 100

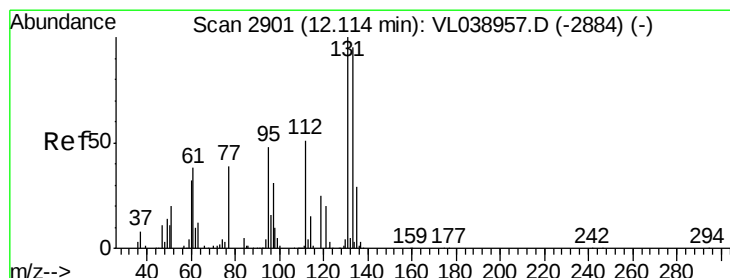
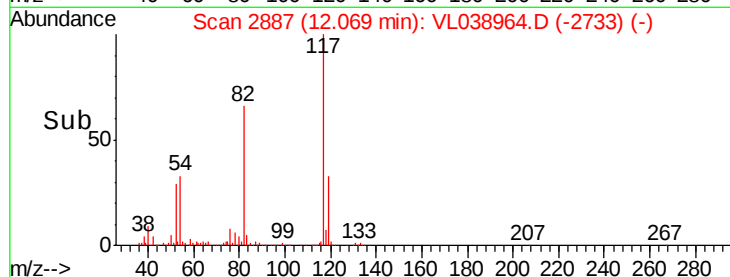
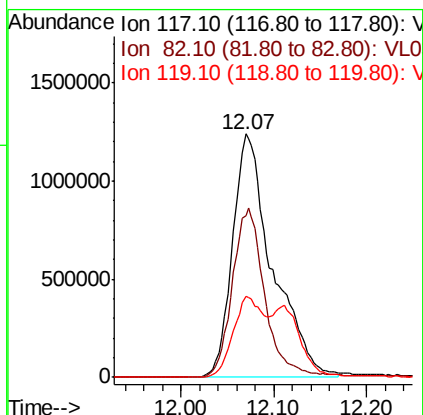
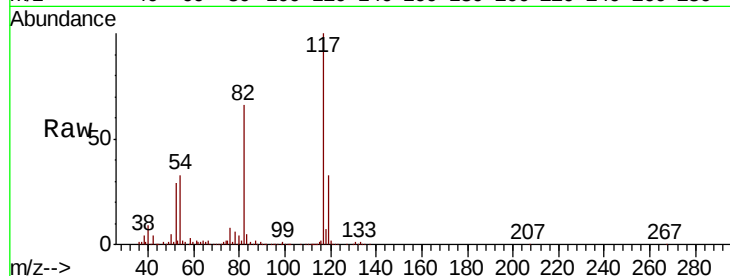
109 96.2 73.8 110.8





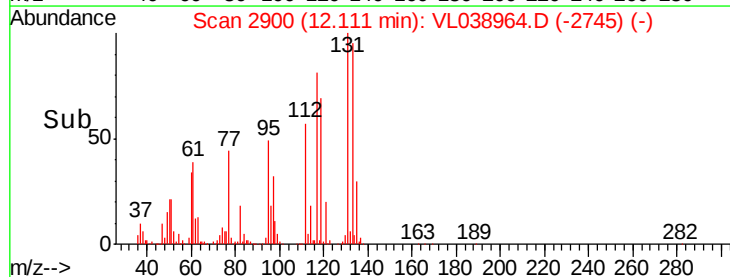
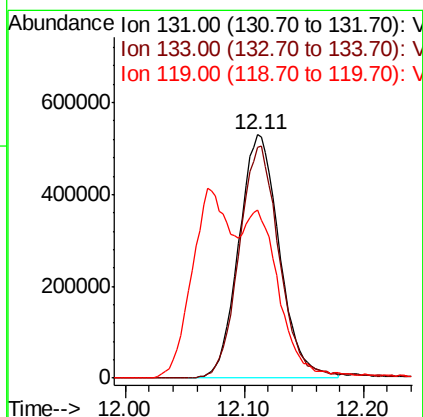
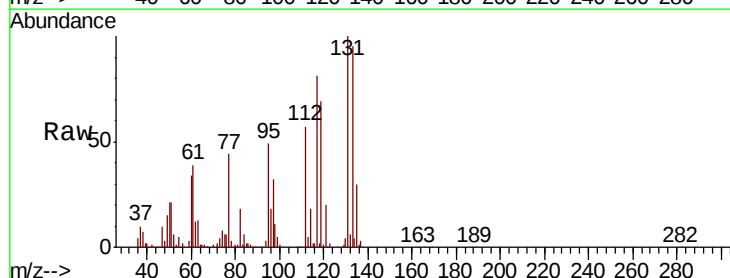
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 7:13

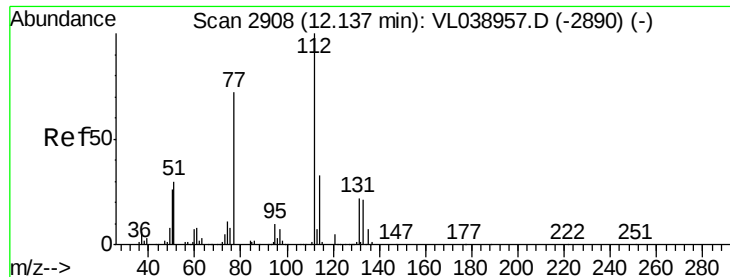
Tot Ion:117 Resp: 3707472
Ion Ratio Lower Upper
117 100
82 57.7 57.0 85.6
119 26.1 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.691 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: -0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

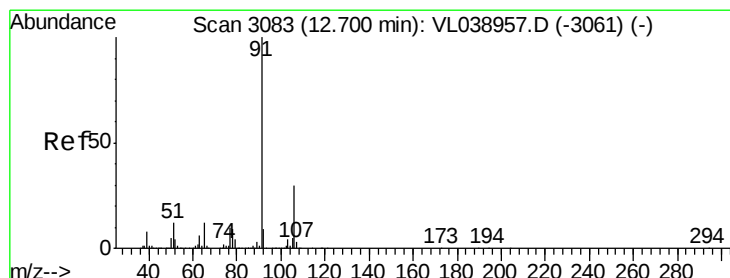
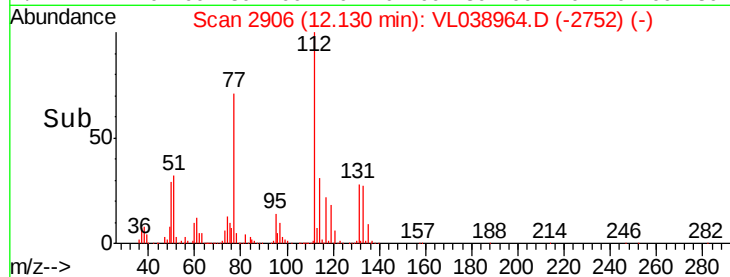
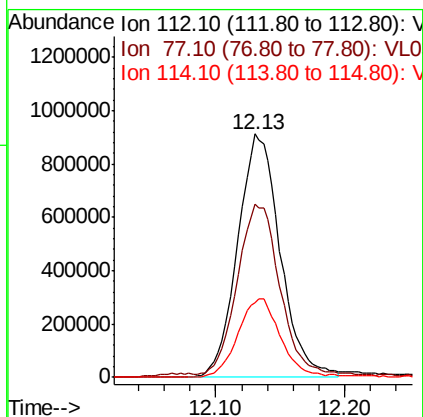
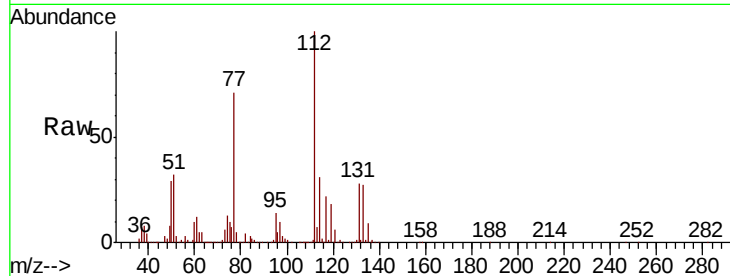
Tgt Ion:131 Resp: 1251078
Ion Ratio Lower Upper
131 100
133 96.4 76.9 115.3
119 66.7 47.4 71.0





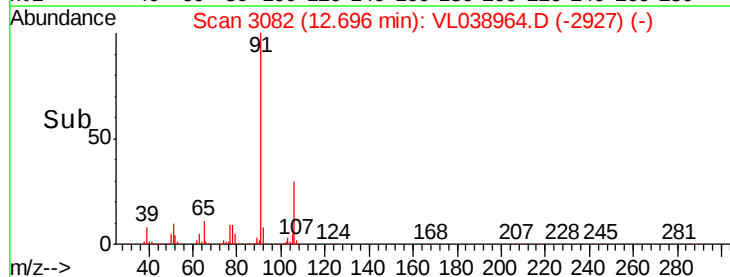
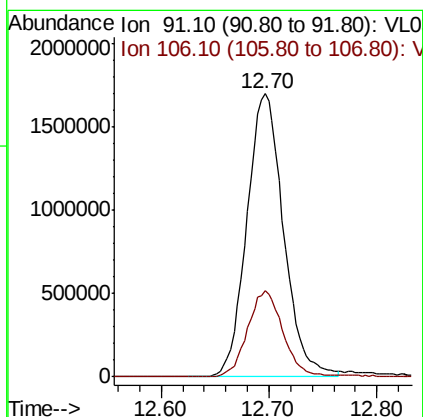
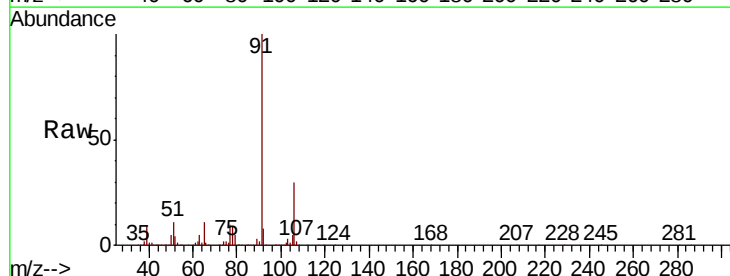
#57
Chlorobenzene
Concen: 7.521 ppbv
RT: 12.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
ICVVL050522
Acq: 5 May 2022 7:13

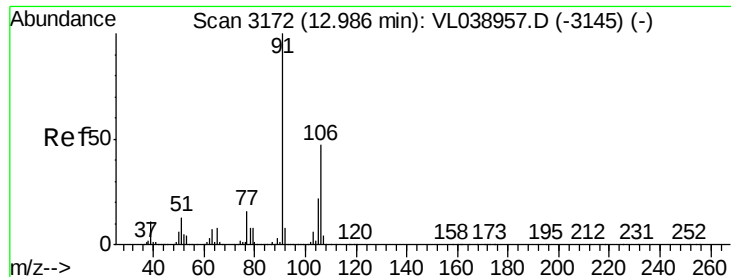
Tot Ion: 112 Resp: 2090109
Ion Ratio Lower Upper
112 100
77 69.6 57.7 86.5
114 30.5 30.1 36.7



#58
Ethyl Benzene
Concen: 7.515 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

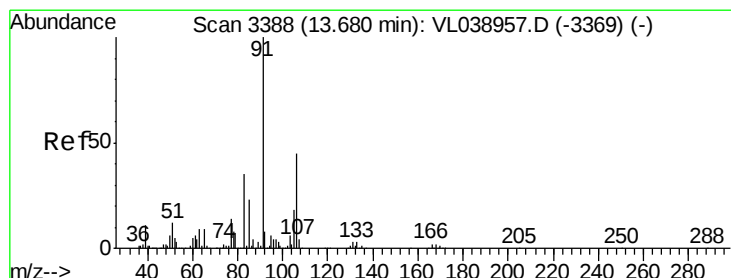
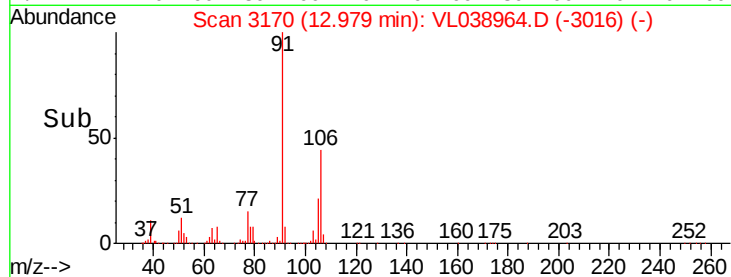
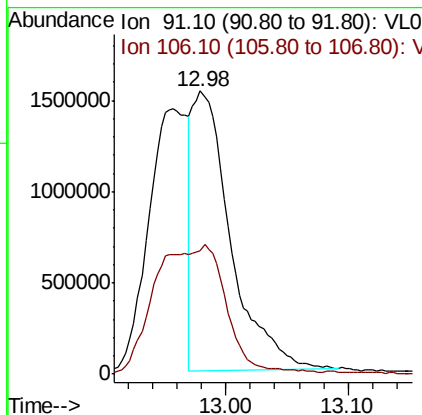
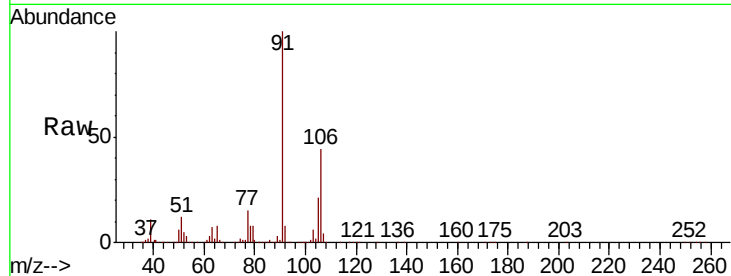
Tgt Ion: 91 Resp: 4009896
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.4





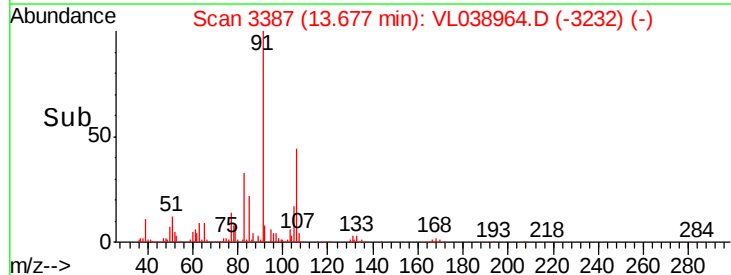
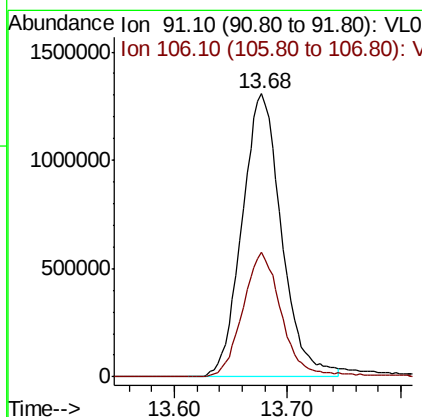
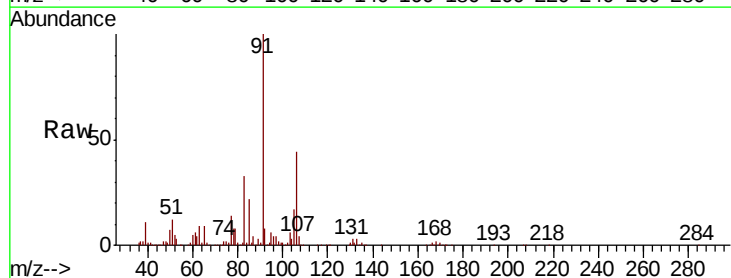
#59
m/p-Xylene
Concen: 7.338 ppbv
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
ICVVL050522
Acq: 5 May 2022 7:13

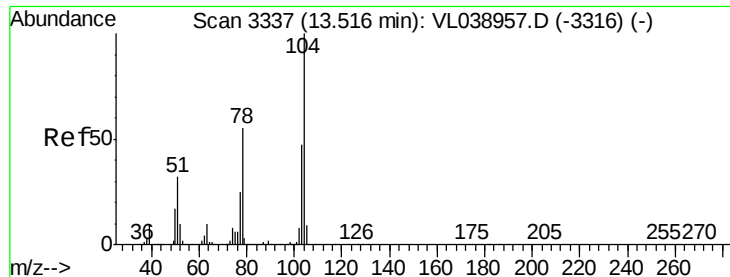
Tot Ion: 91 Resp: 3342208
Ion Ratio Lower Upper
91 100
106 87.7 34.6 52.0#



#60
o-Xylene
Concen: 7.390 ppbv
RT: 13.68 min Scan# 3387
Delta R.T.: -0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

Tgt Ion: 91 Resp: 3168189
Ion Ratio Lower Upper
91 100
106 44.3 22.2 66.6





#61

Stvrene

Concen: 8.071 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 7:13

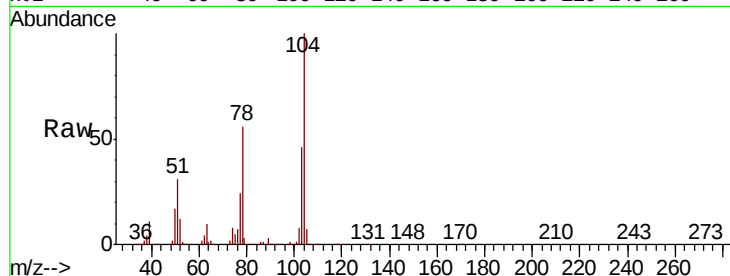
Tot Ion:104 Resp: 1847201

Ion Ratio Lower Upper

104 100

78 56.3 46.4 69.6

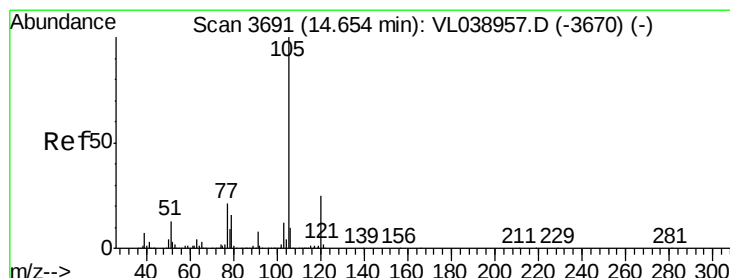
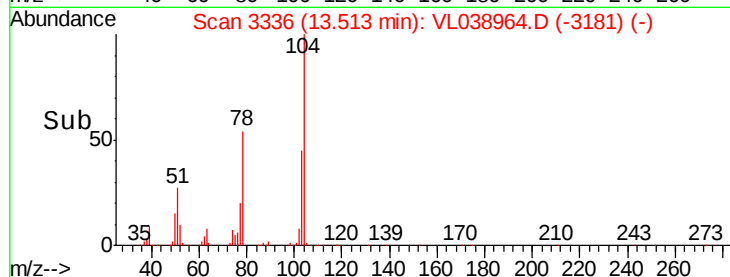
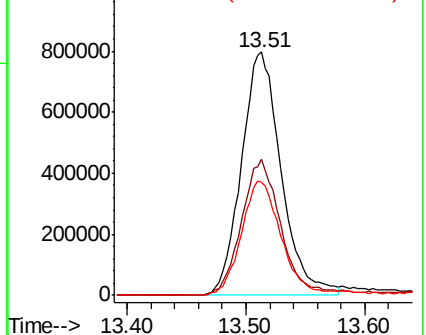
103 48.5 39.3 58.9



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: 8.237 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.00 min

Lab File: VL038964.D

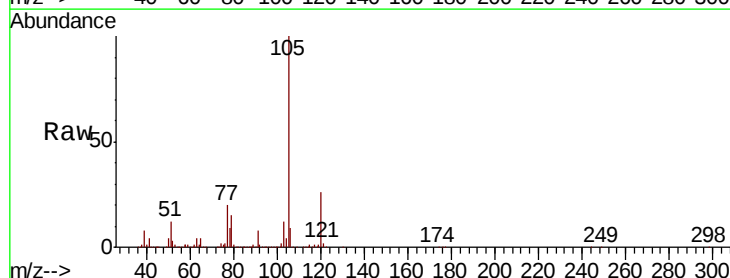
Acq: 5 May 2022 7:13

Tgt Ion:105 Resp: 4507543

Ion Ratio Lower Upper

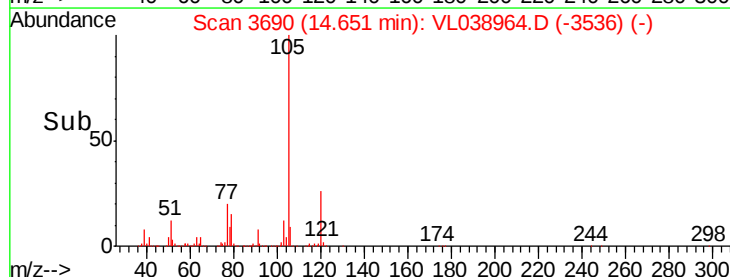
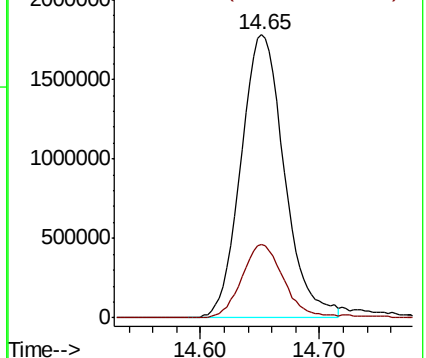
105 100

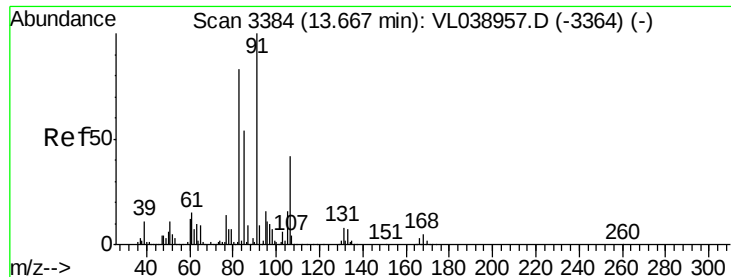
120 25.8 20.5 30.7



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: 6.972 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

ICVVL050522

Acq: 5 May 2022 7:13

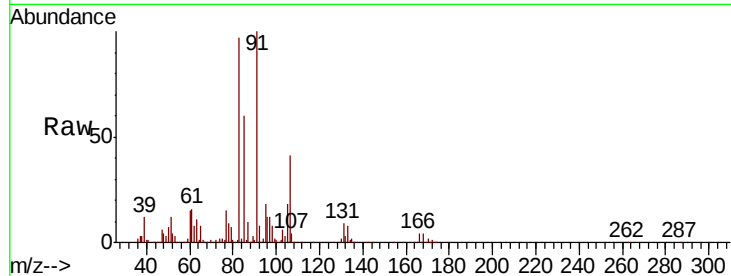
Tot Ion: 83 Resp: 1760006

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

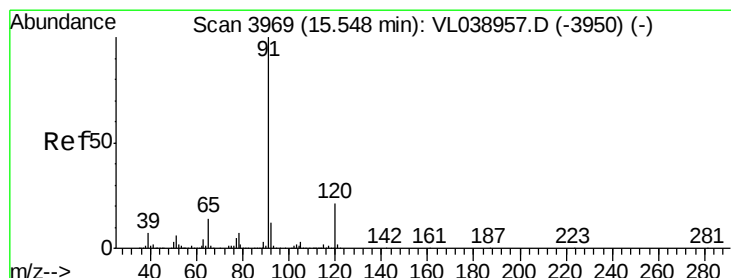
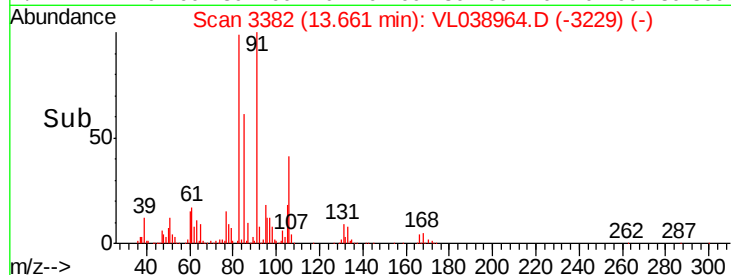
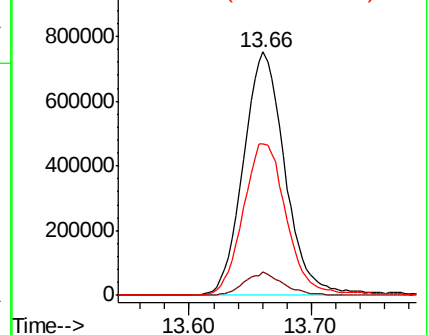
85 66.6 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.552 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.00 min

Lab File: VL038964.D

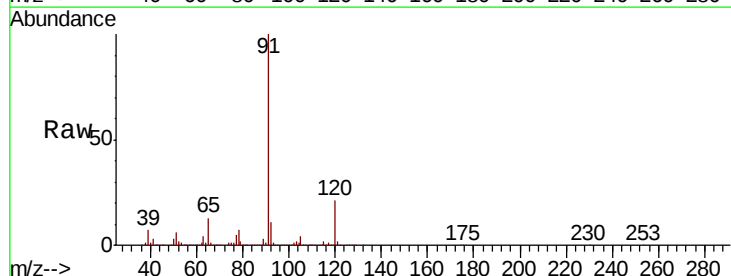
Acq: 5 May 2022 7:13

Tgt Ion:120 Resp: 1144619

Ion Ratio Lower Upper

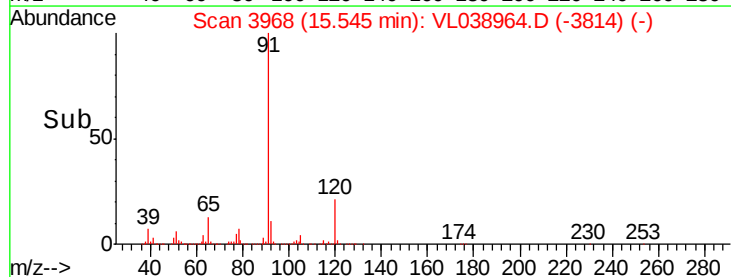
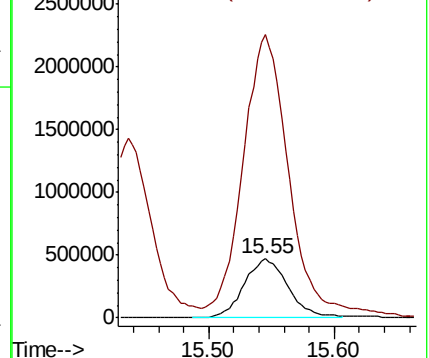
120 100

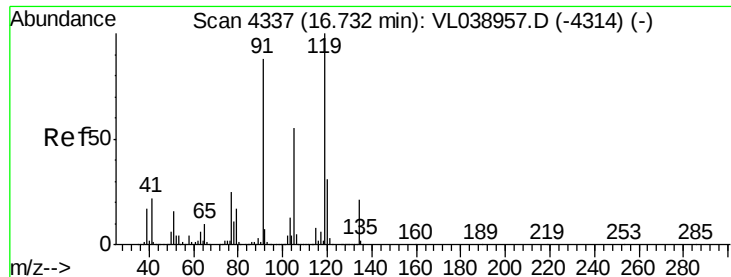
91 509.6 400.6 601.0



Abundance Ion 120.20 (119.90 to 120.90): V

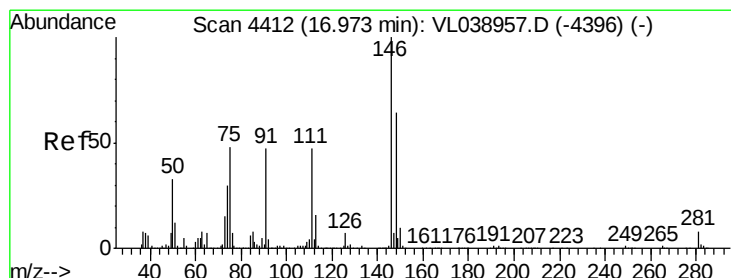
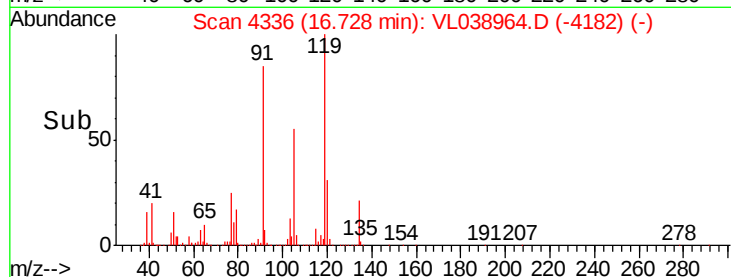
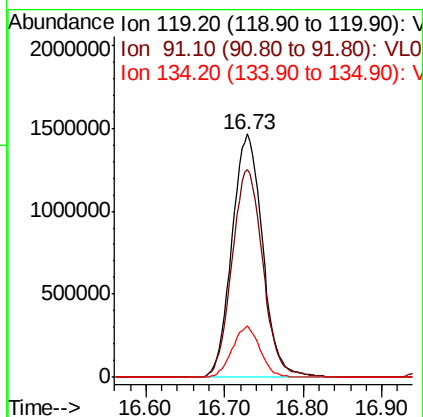
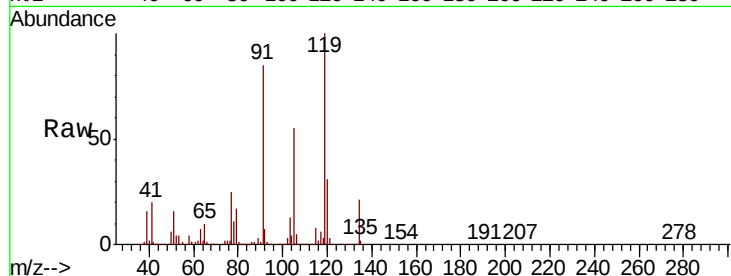
Ion 91.10 (90.80 to 91.80): VL0





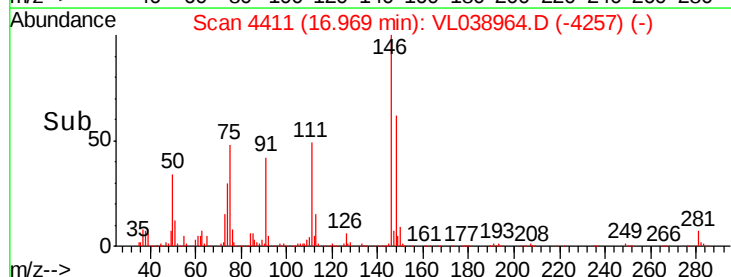
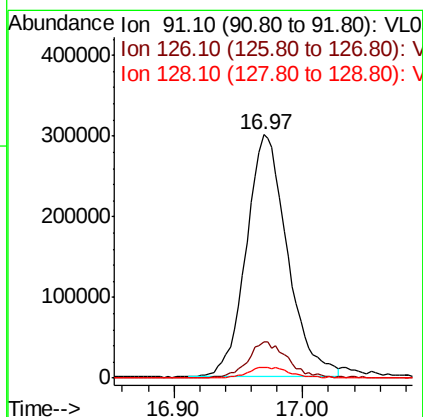
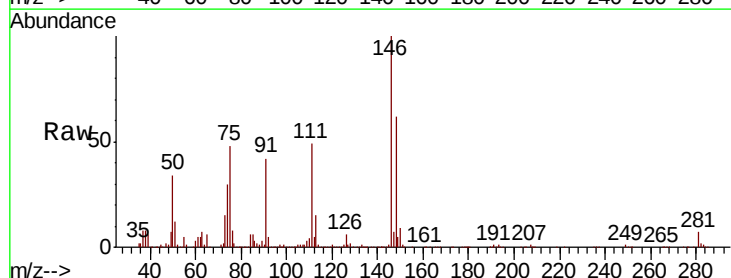
#65
tert-Butylbenzene
Concen: 7.238 ppbv
RT: 16.73 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 7:13

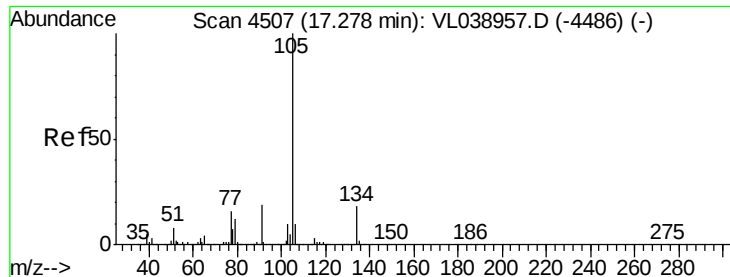
Tot Ion: 119 Resp: 3976145
Ion Ratio Lower Upper
119 100
91 86.3 69.4 104.2
134 19.3 15.8 23.8



#66
Benzyl Chloride
Concen: 9.259 ppbv
RT: 16.97 min Scan# 4411
Delta R.T.: -0.00 min
Lab File: VL038964.D
Acq: 5 May 2022 7:13

Tgt Ion: 91 Resp: 664787
Ion Ratio Lower Upper
91 100
126 14.8 11.8 17.6
128 5.0 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.327 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

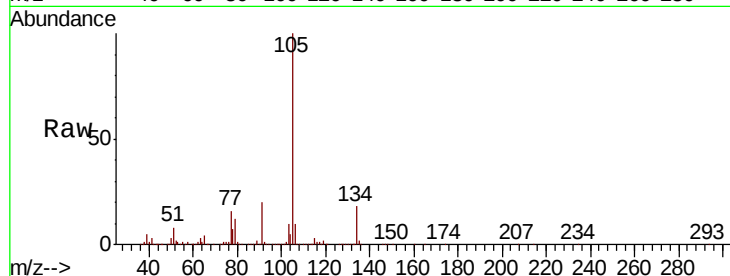
Acq: 5 May 2022 7:13

Tot Ion:105 Resp: 5750122

Ion Ratio Lower Upper

105 100

134 17.6 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

2500000

2000000

1500000

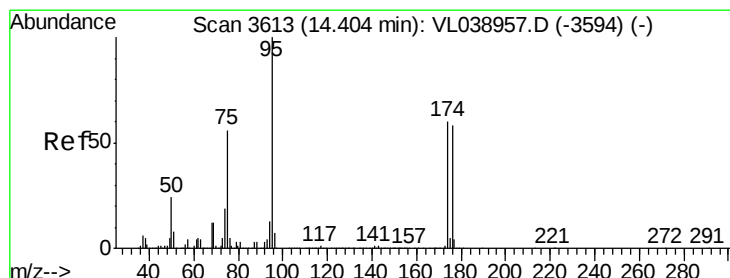
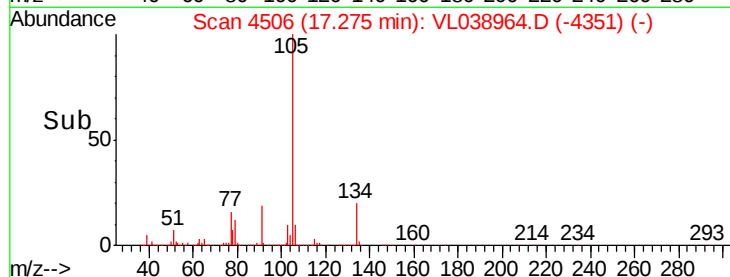
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 7.982 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

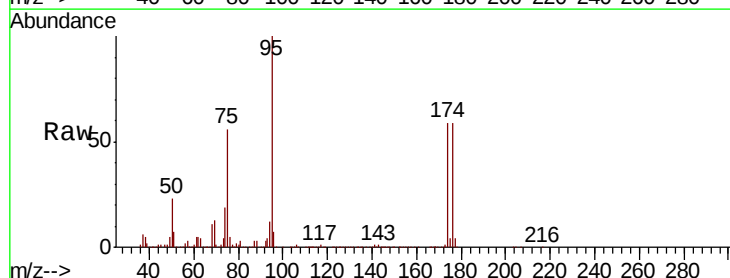
Tgt Ion: 95 Resp: 2343542

Ion Ratio Lower Upper

95 100

174 64.8 50.8 76.2

175 4.7 3.8 5.6



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

1200000

1000000

800000

600000

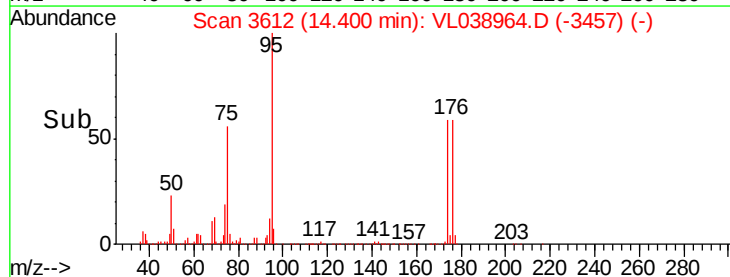
400000

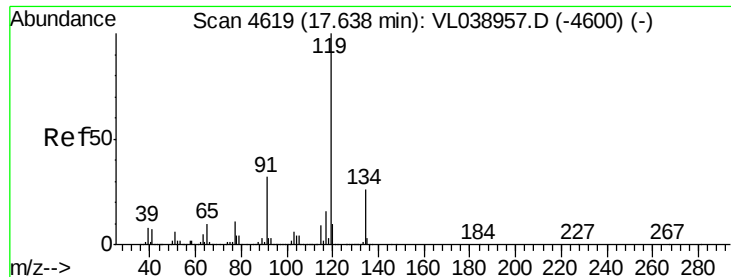
200000

0

Time-->

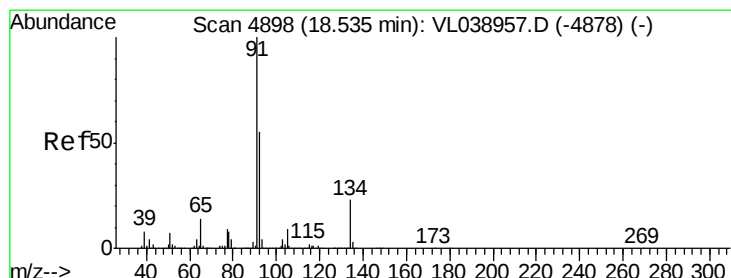
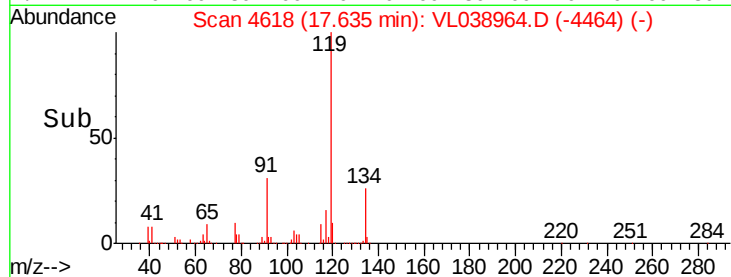
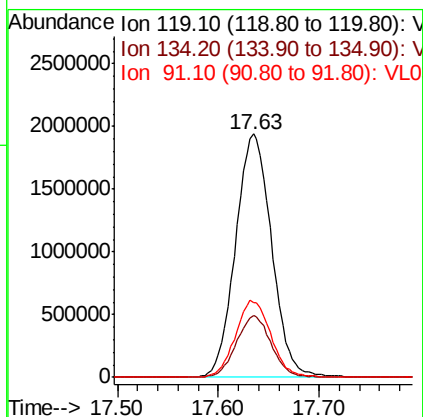
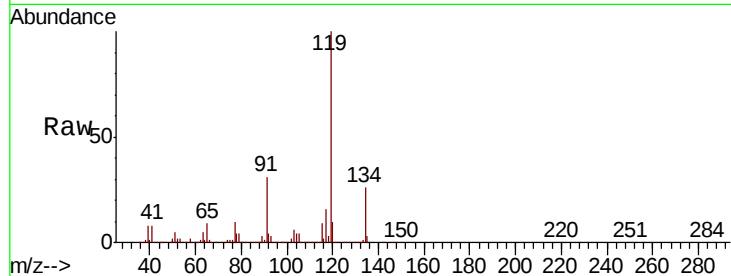
14.30 14.40





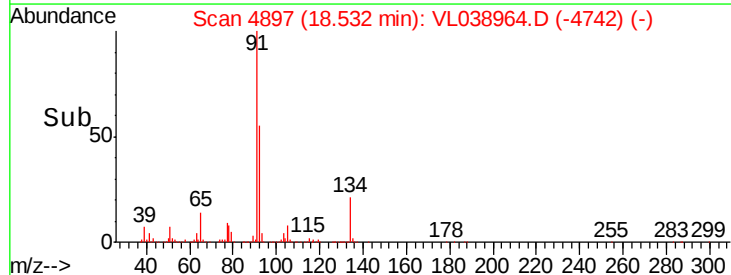
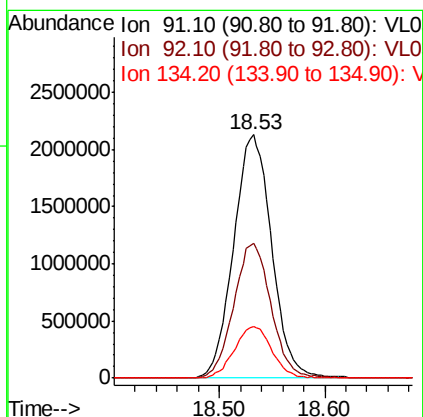
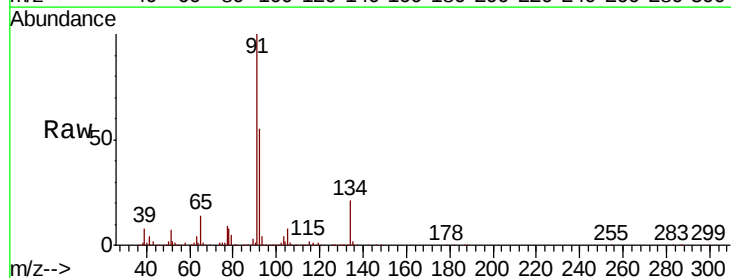
#69
 p-Isopropyltoluene
 Concen: 7.578 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:13

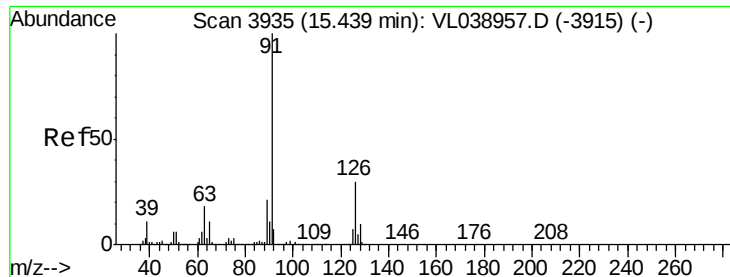
Tot Ion: 119 Resp: 4804554
 Ion Ratio Lower Upper
 119 100
 134 24.6 20.0 30.0
 91 30.9 24.8 37.2



#70
 n-Butylbenzene
 Concen: 7.919 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. -0.00 min
 Lab File: VL038964.D
 Acq: 5 May 2022 7:13

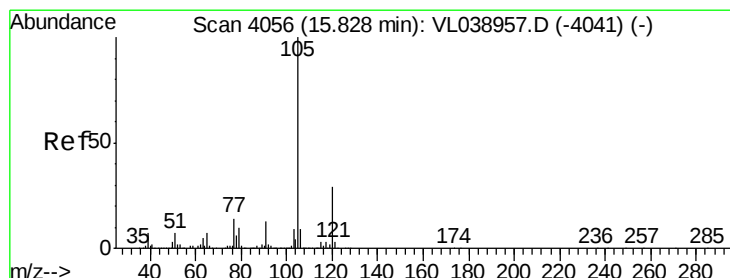
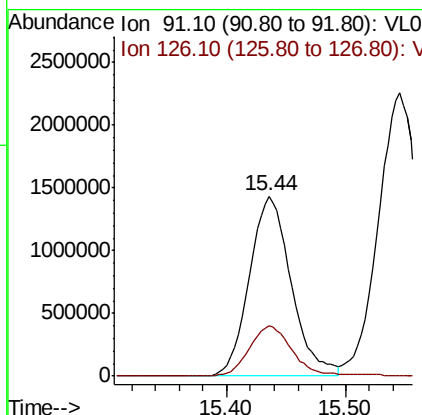
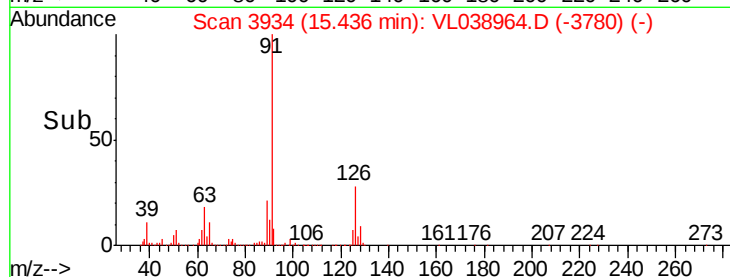
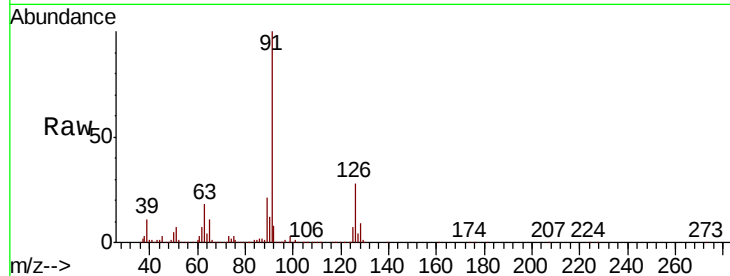
Tgt Ion: 91 Resp: 5333776
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.1 64.7
 134 21.1 17.0 25.4





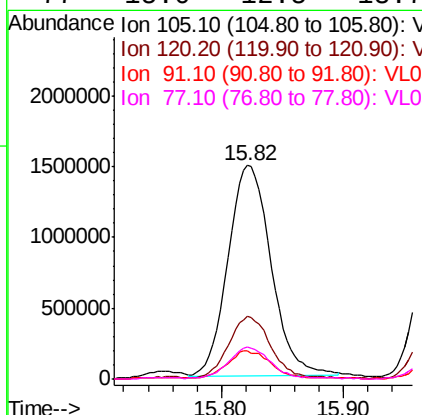
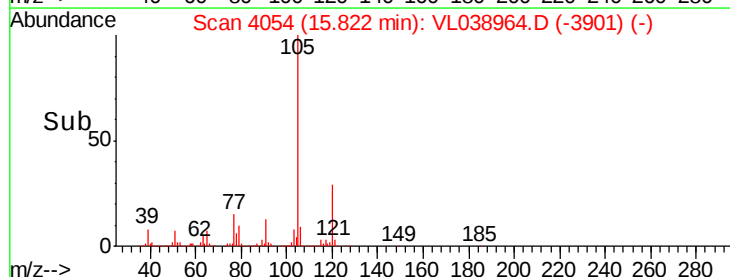
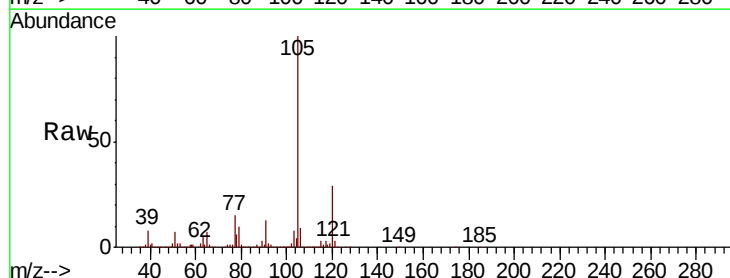
#71
 2-Chlorotoluene
 Concen: 7.225 ppbv
 RT: 15.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:13

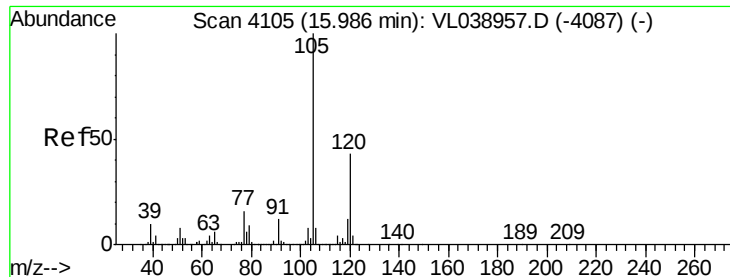
Tot Ion: 91 Resp: 3491813
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 7.477 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.01 min
 Lab File: VL038964.D
 Acq: 5 May 2022 7:13

Tgt Ion:105 Resp: 3652552
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.4 35.0
 91 13.3 10.6 16.0
 77 15.0 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 7.575 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

ICVVL050522

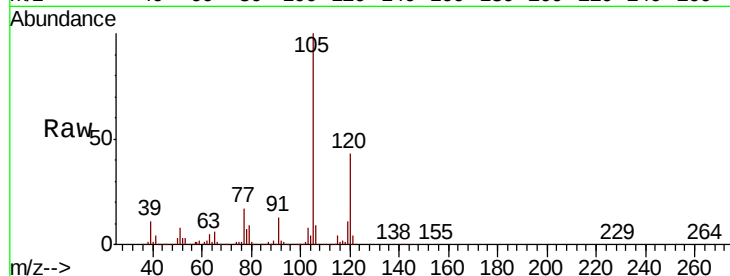
Acq: 5 May 2022 7:13

Tot Ion:105 Resp: 3331482

Ion Ratio Lower Upper

105 100

120 42.7 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

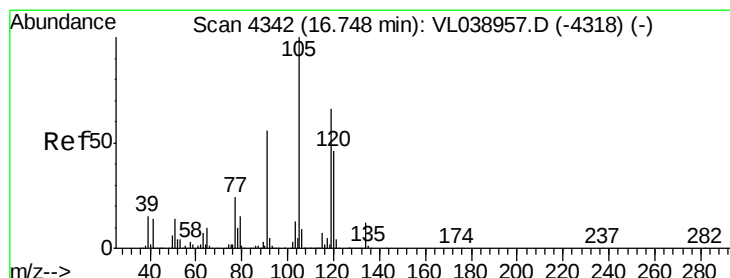
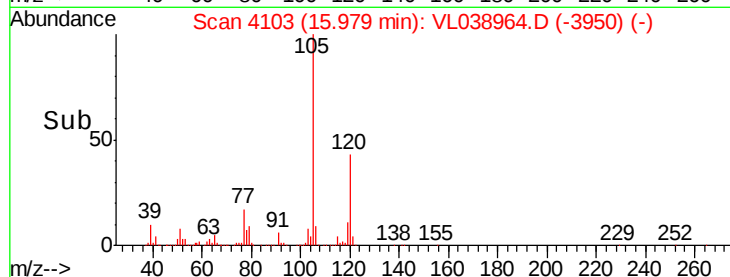
15.98

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.518 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

Tgt Ion:105 Resp: 3620425

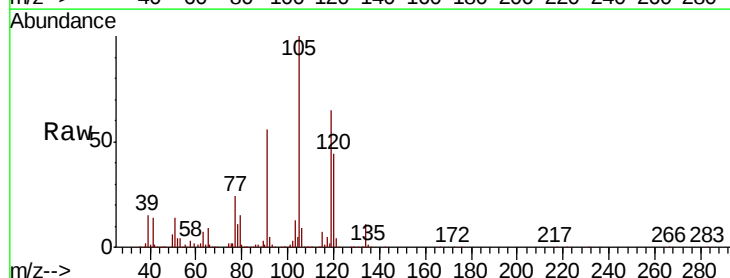
Ion Ratio Lower Upper

105 100

120 44.3 36.9 55.3

91 55.7 45.0 67.4

77 24.4 19.2 28.8



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

2000000

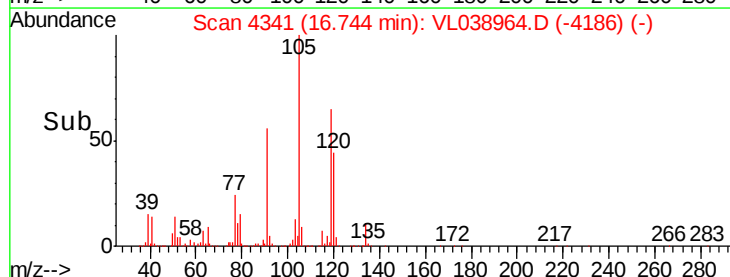
1500000

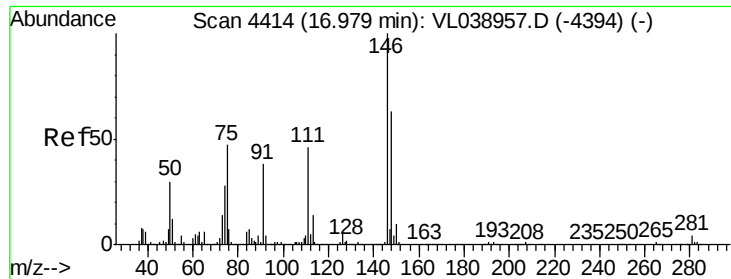
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.651 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 7:13

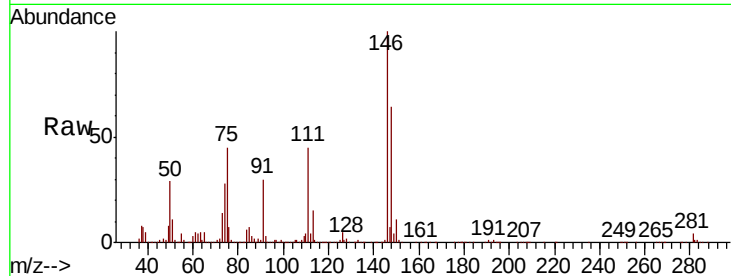
Tot Ion:146 Resp: 2018635

Ion Ratio Lower Upper

146 100

111 49.1 24.1 72.2

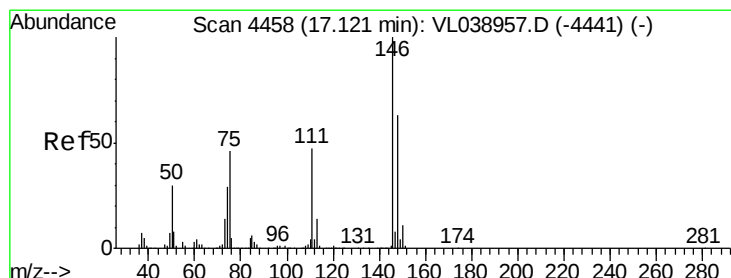
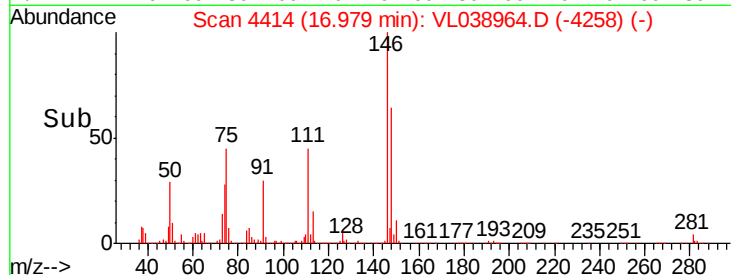
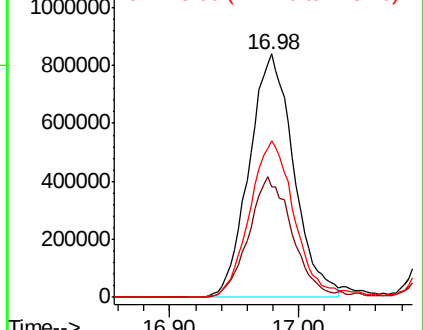
148 65.6 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.824 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

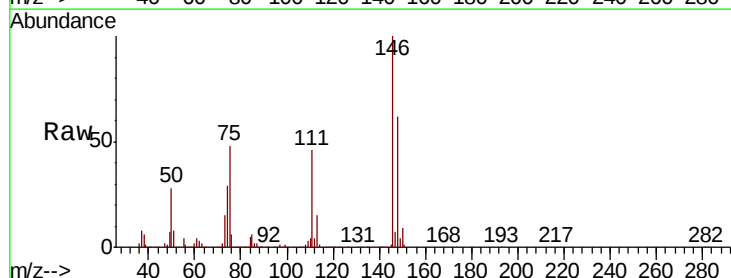
Tgt Ion:146 Resp: 2030673

Ion Ratio Lower Upper

146 100

111 47.6 23.6 71.0

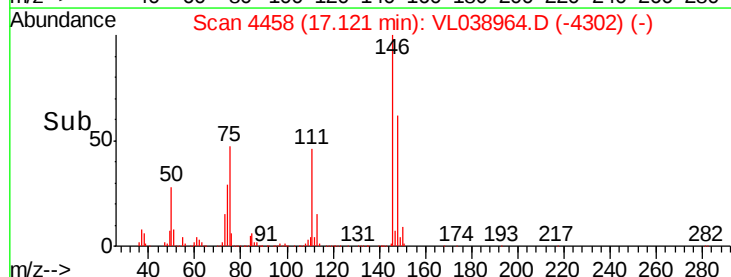
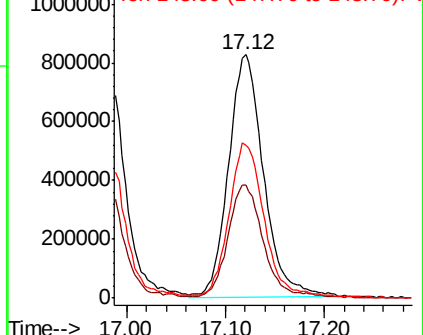
148 65.0 32.2 96.6

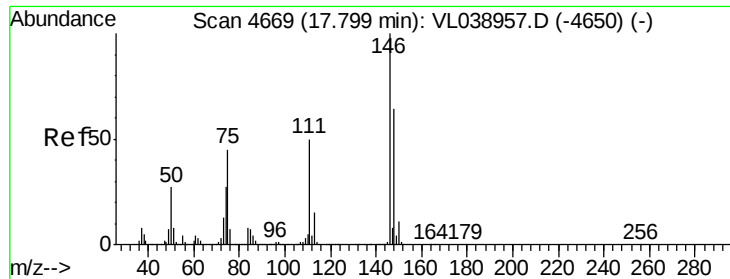


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.919 ppbv

RT: 17.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 7:13

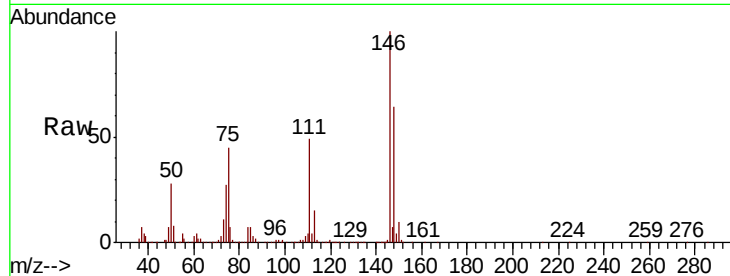
Tot Ion:146 Resp: 2066328

Ion Ratio Lower Upper

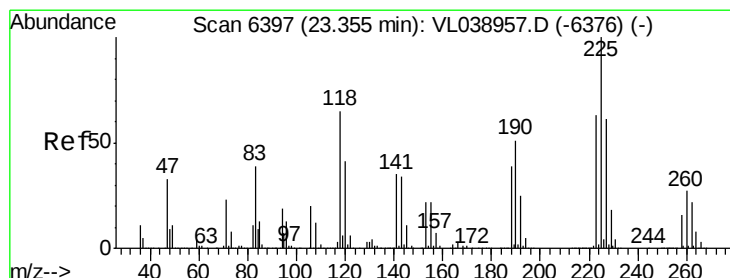
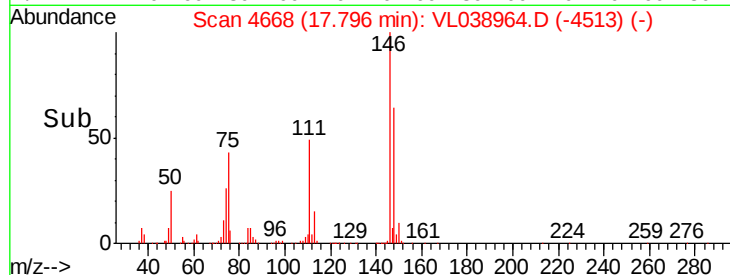
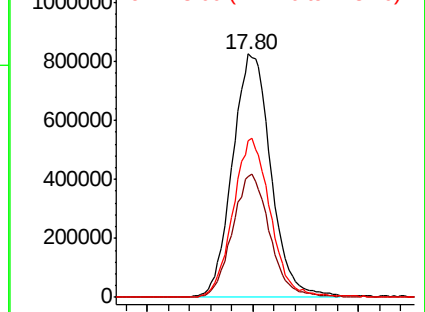
146 100

111 49.8 25.3 75.9

148 64.4 32.3 96.9



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.848 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

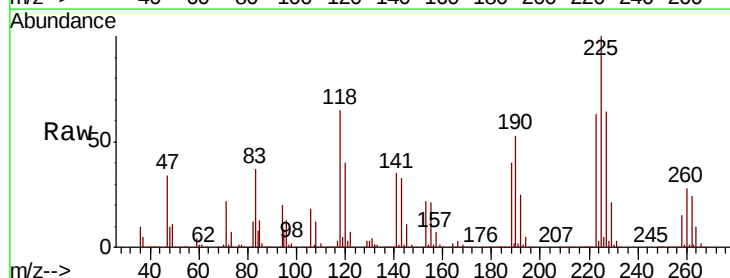
Tgt Ion:225 Resp: 1882068

Ion Ratio Lower Upper

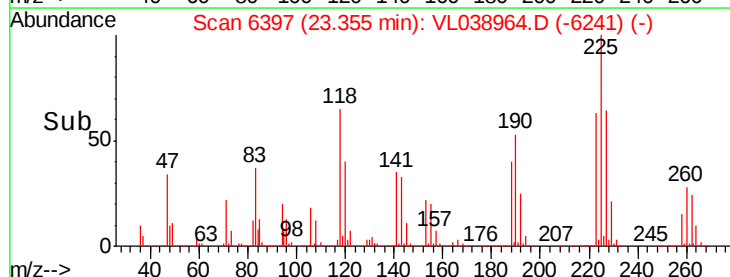
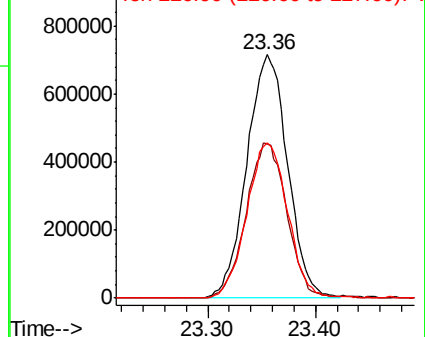
225 100

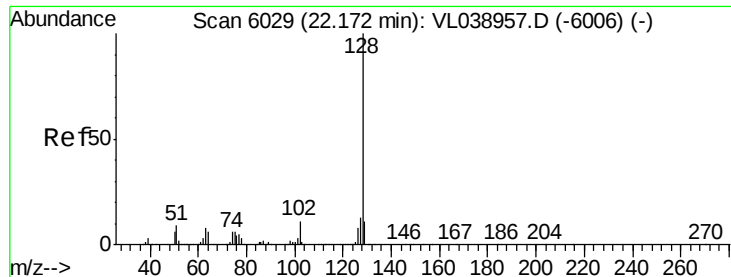
223 64.0 51.4 77.0

227 64.1 51.4 77.0



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: 10.583 ppbv

RT: 22.17 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

ICVVL050522

Acq: 5 May 2022 7:13

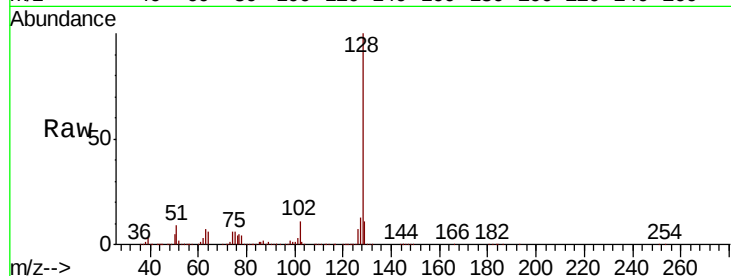
Tot Ion:128 Resp: 4139796

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

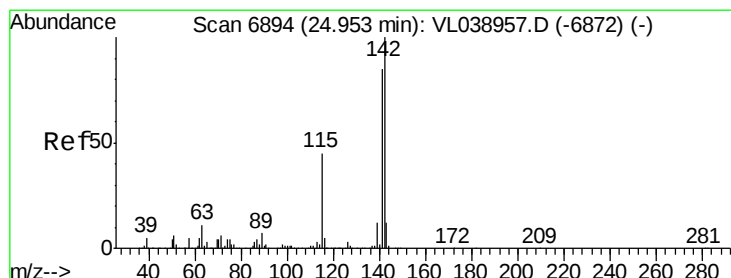
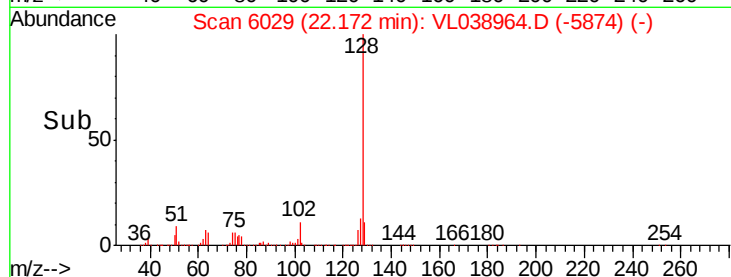
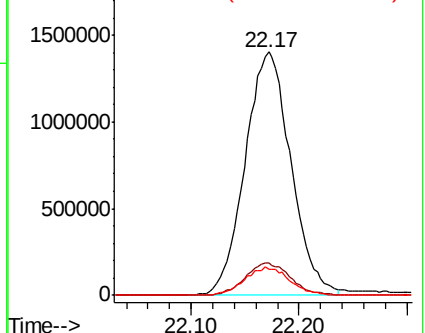
129 10.9 8.9 13.3



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: 10.000 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.00 min

Lab File: VL038964.D

Acq: 5 May 2022 7:13

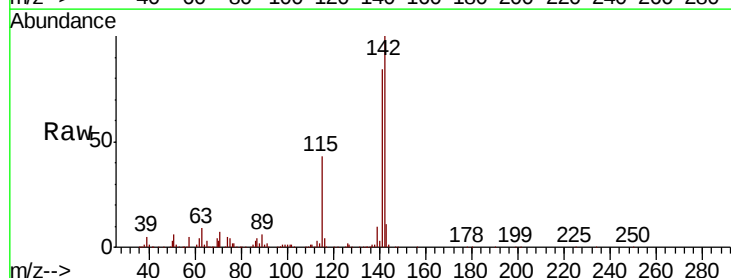
Tgt Ion:142 Resp: 1183283

Ion Ratio Lower Upper

142 100

141 85.7 70.8 106.2

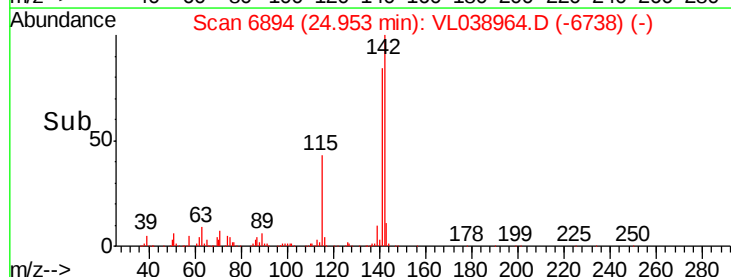
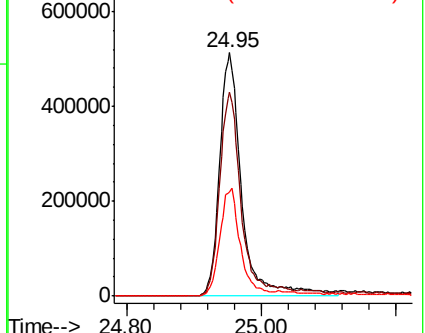
115 43.8 35.1 52.7

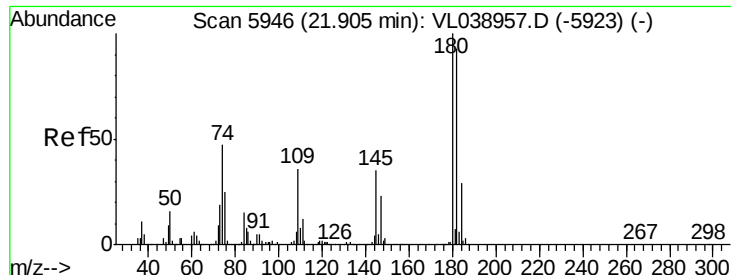


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

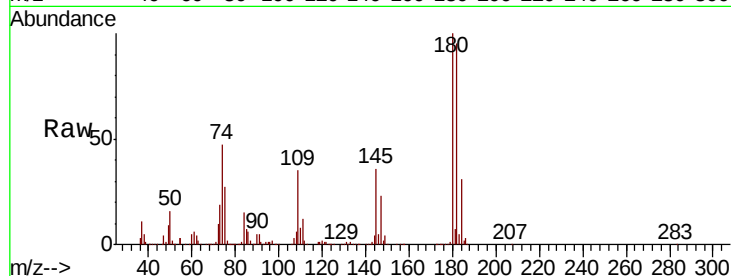
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.340 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 7:15

Tot Ion:	180	Resp:	2140833
Ion	Ratio	Lower	Upper
180	100		
182	97.2	78.4	117.6
184	30.4	24.4	36.6



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

