

Data File : VL038046.D

Acq On : 18 Nov 2021 8:47

Operator : SY/AP

Sample : VSTDICCC010

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Quant Time: Nov 18 10:35:31 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 16 09:59:16 2021

QLast Update : Tue Nov 16 09:59:16 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	940781	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2832808	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3164534	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1844041	8.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1182932	6.181	ppbv	100
3) Chlorodifluoromethane	2.99	51	1752467	7.165	ppbv	99
4) Chloromethane	3.14	50	606588	6.970	ppbv	98
5) Vinyl Chloride	3.26	62	612342	7.331	ppbv	95
6) Bromomethane	3.48	94	330205	7.396	ppbv	99
7) Chloroethane	3.56	64	209329	7.125	ppbv	90
8) Dichlorotetrafluoroethane	3.19	85	1396980	7.047	ppbv	99
9) Propene	3.02	41	650398	7.051	ppbv	98
10) Heptane	8.12	43	1589446	7.001	ppbv	100
11) Trichlorofluoromethane	3.95	101	1331971	7.044	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	965199	6.585	ppbv	98
13) Ethanol	3.61	45	17889	2.188	ppbv #	100
14) Bromoethene	3.74	108	417682	6.816	ppbv	99
15) Acetone	3.85	43	675023	6.103	ppbv	99
16) 1,3-Butadiene	3.33	39	583427	7.123	ppbv	99
17) tert-Butyl alcohol	4.29	59	889689	5.989	ppbv	100
18) 1,1-Dichloroethene	4.29	96	438137	6.477	ppbv	96
19) Isopropyl Alcohol	3.97	45	477169	5.891	ppbv #	41
20) Methylene Chloride	4.34	84	371913	5.732	ppbv	95
21) Allyl Chloride	4.41	41	704547	6.365	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	455171	6.669	ppbv	97
23) Vinyl Acetate	5.07	43	1155636	6.308	ppbv	99
24) 1,1-Dichloroethane	5.01	63	924107	6.467	ppbv	98
25) Ethyl Acetate	5.67	43	2369824	9.108	ppbv	99
26) Hexane	5.68	57	1111342	8.502	ppbv	97
27) Carbon Disulfide	4.55	76	1157910	6.754	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1054975	6.293	ppbv	100
29) Chloroform	5.75	83	1712356	8.697	ppbv	98
30) Cyclohexane	7.13	84	1039139	7.059	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1146181	10.591	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	1782284	7.134	ppbv	100
34) 2-Butanone	5.24	43	1011266	10.823	ppbv	98
35) Carbon Tetrachloride	7.01	117	1802601	9.206	ppbv	99
36) Benzene	6.89	78	2493139	9.252	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1262868	10.097	ppbv	99
38) Trichloroethene	7.83	130	917773	8.383	ppbv	98
39) 1,2-Dichloropropane	7.61	63	983487	9.442	ppbv	99
40) 1,4-Dioxane	7.83	88	127810	4.758	ppbv #	100
41) Tetrahydrofuran	6.05	42	617133	9.205	ppbv	99
42) Bromodichloromethane	7.79	83	1888164	9.589	ppbv	100
43) Methyl Methacrylate	8.01	69	910838	9.476	ppbv	100

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QLast Update : Tue Nov 16 09:59:16 2021

Response via : Initial Calibration

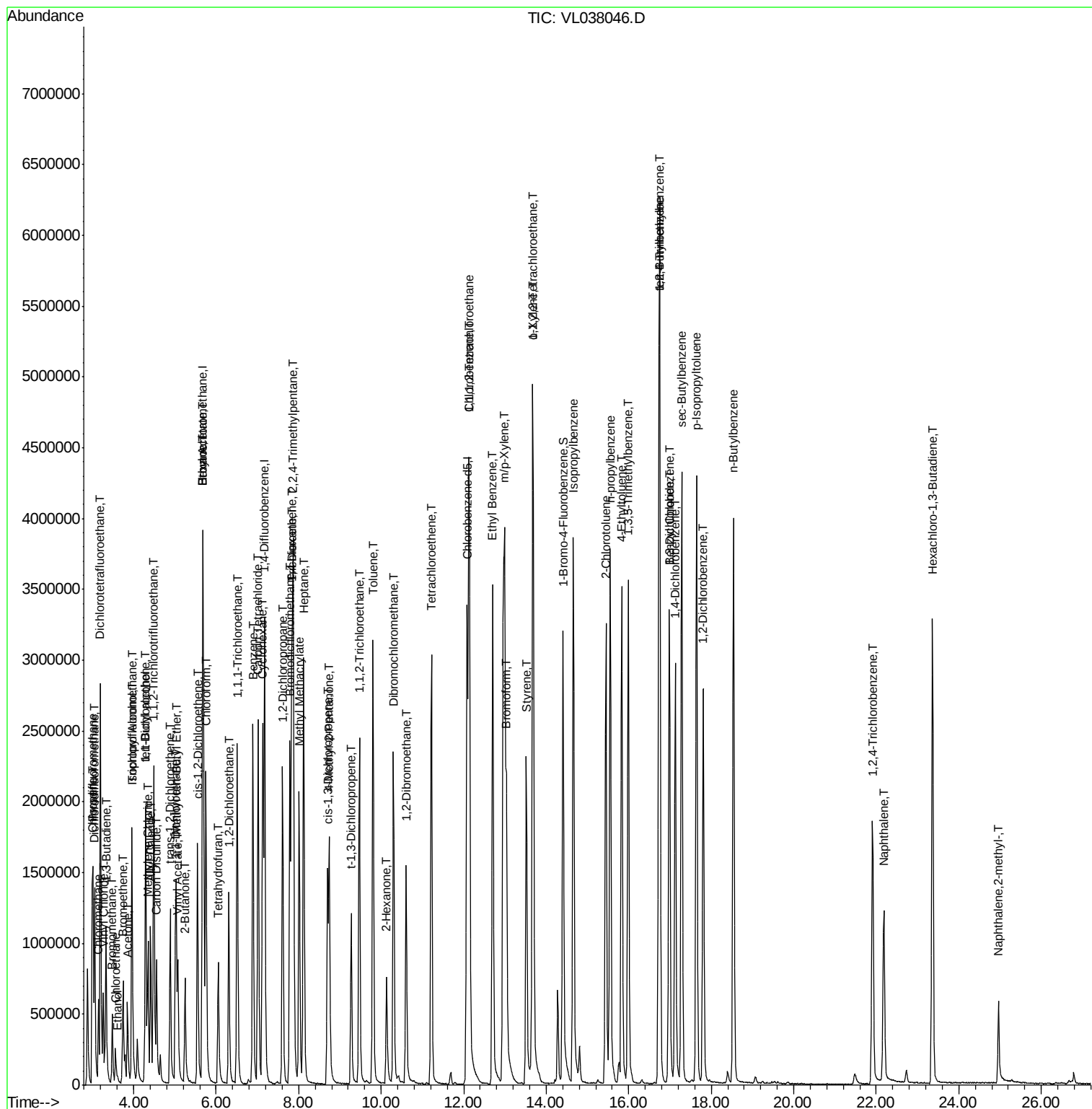
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4011993	8.667	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	823784	10.348	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1018824	9.793	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1016699	9.609	ppbv	96
48) Dibromochloromethane	10.30	129	1650705	9.596	ppbv	98
49) Bromoform	13.03	173	1186706	8.941	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1605269	9.528	ppbv	99
51) 2-Hexanone	10.13	43	756444	9.615	ppbv	100
52) Tetrachloroethene	11.22	164	843423	8.291	ppbv	97
53) Toluene	9.80	91	2874221	9.121	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1460738	9.854	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1046190	7.572	ppbv #	61
57) Chlorobenzene	12.14	112	1996179	7.693	ppbv	97
58) Ethyl Benzene	12.70	91	3666010	7.627	ppbv	99
59) m/p-Xylene	12.99	91	2735564	6.849	ppbv #	15
60) o-Xylene	13.69	91	2787932	7.520	ppbv	99
61) Styrene	13.52	104	1632951	7.899	ppbv	98
62) Isopropylbenzene	14.66	105	3946371	7.363	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	1945006	7.017	ppbv	100
64) n-propylbenzene	15.55	120	1040798	7.617	ppbv	98
65) tert-Butylbenzene	16.73	119	3325142	7.070	ppbv	99
66) Benzyl Chloride	16.98	91	217594	6.625	ppbv	98
67) sec-Butylbenzene	17.29	105	4712593	7.253	ppbv	99
69) p-Isopropyltoluene	17.64	119	3812086	7.278	ppbv	99
70) n-Butylbenzene	18.54	91	3651420	7.604	ppbv	99
71) 2-Chlorotoluene	15.45	91	2885937	7.522	ppbv	98
72) 4-Ethyltoluene	15.83	105	3348254	7.575	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	2924827	7.234	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	2981269	7.324	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	1710726	7.615	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1652938	7.182	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	1602584	7.439	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	874946	6.261	ppbv	98
79) Naphthalene	22.18	128	1752362	7.847	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	443984	10.530	ppbv	91
81) 1,2,4-Trichlorobenzene	21.91	180	954807	7.561	ppbv	98

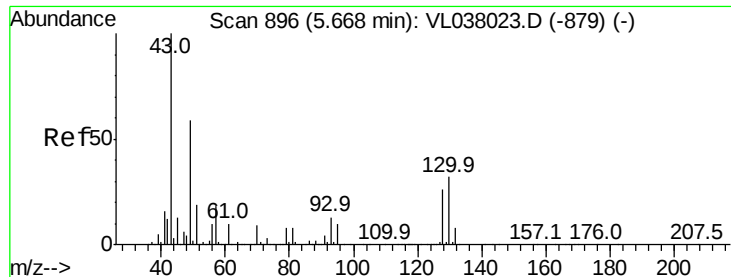
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICCC010

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 8:47 VSTDICCC010

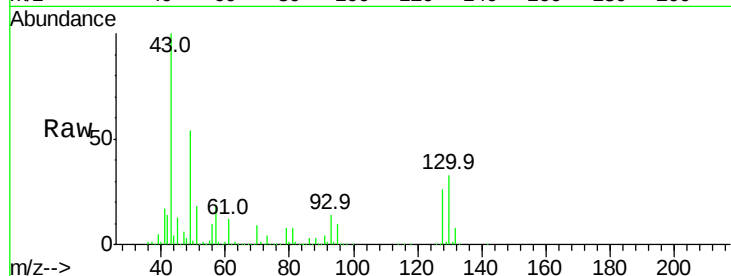
Tgt Ion: 49 Resp: 940781

Ion Ratio Lower Upper

49 100

128 53.0 23.4 70.2

130 64.9 29.1 87.3



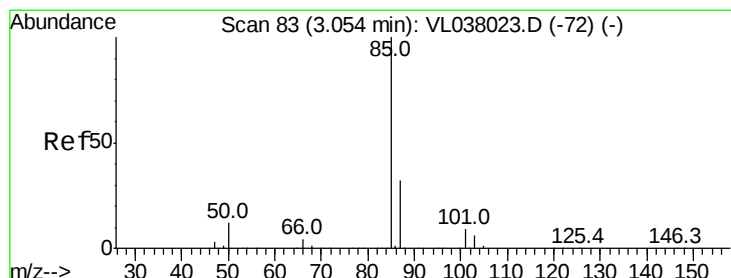
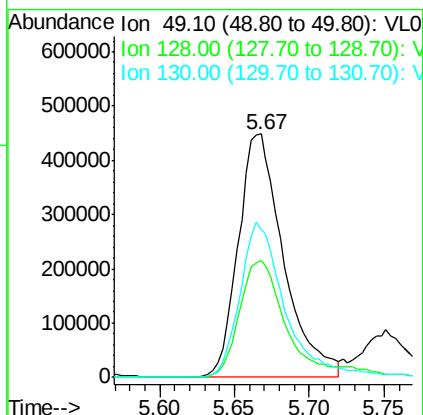
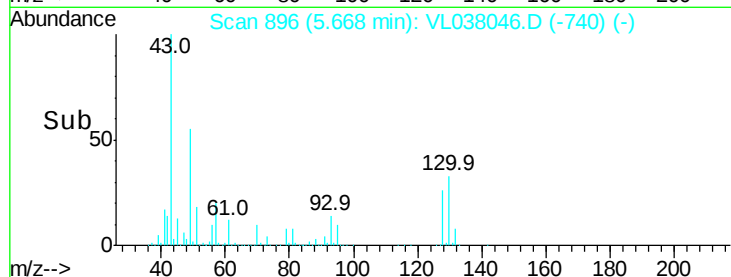
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 6.181 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038046.D

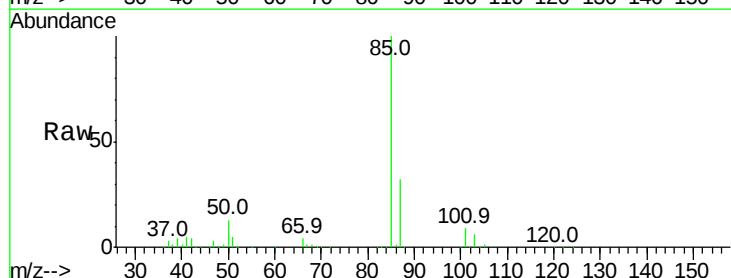
Acq: 18 Nov 2021 8:47

Tgt Ion: 85 Resp: 1182932

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9

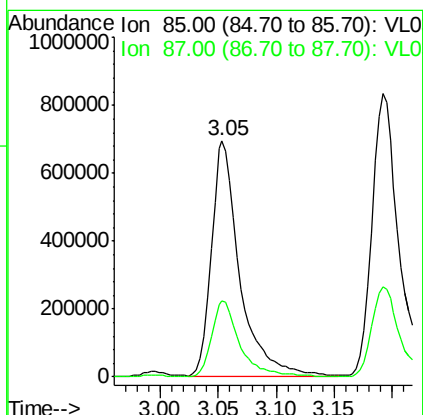
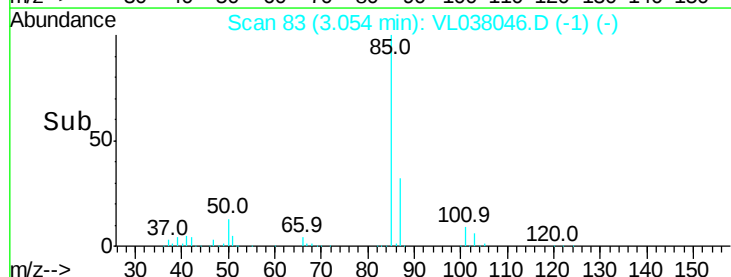


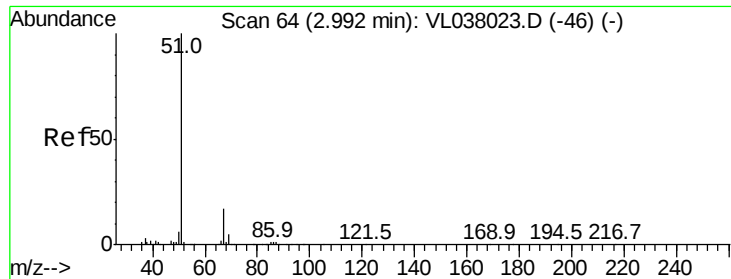
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

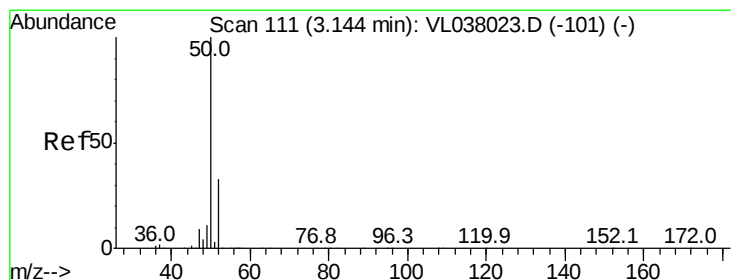
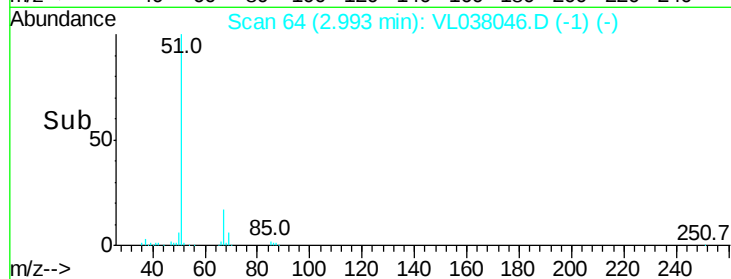
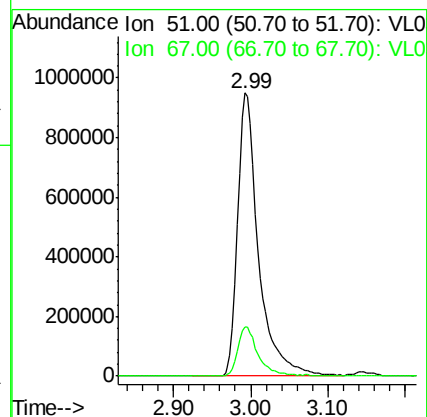
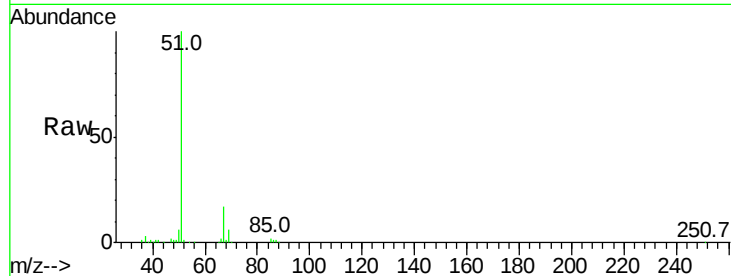
Time-->





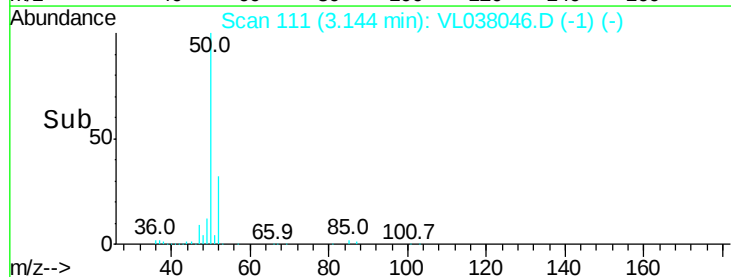
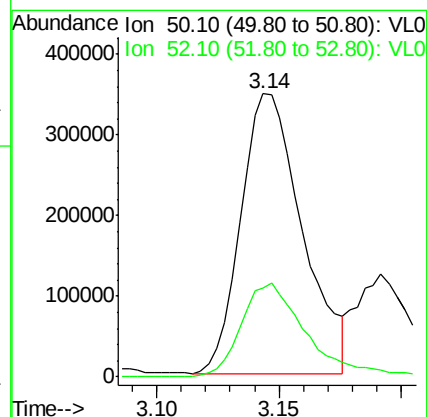
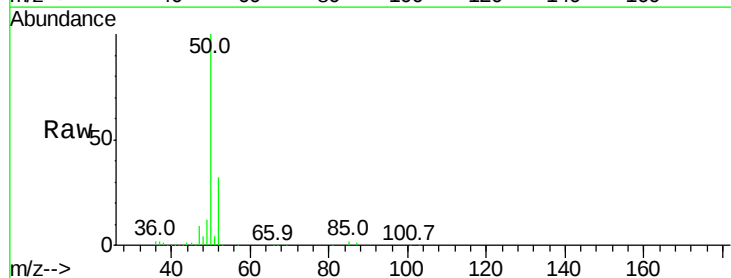
#3
 Chlorodifluoromethane
 Concen: 7.165 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 18 Nov 2021 8:47

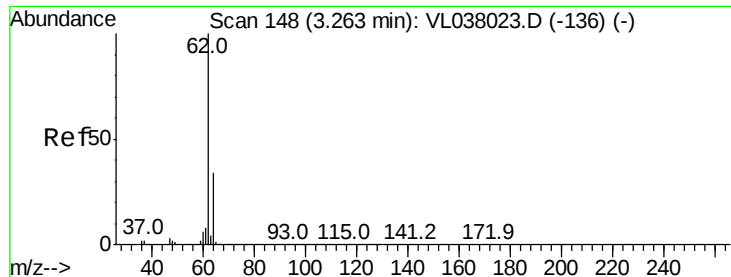
Tgt Ion: 51 Resp: 1752467
 Ion Ratio Lower Upper
 51 100
 67 17.3 13.5 20.3



#4
 Chloromethane
 Concen: 6.970 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

Tgt Ion: 50 Resp: 606588
 Ion Ratio Lower Upper
 50 100
 52 31.7 26.4 39.6





#5

Vinyl Chloride

Concen: 7.331 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDICCC010

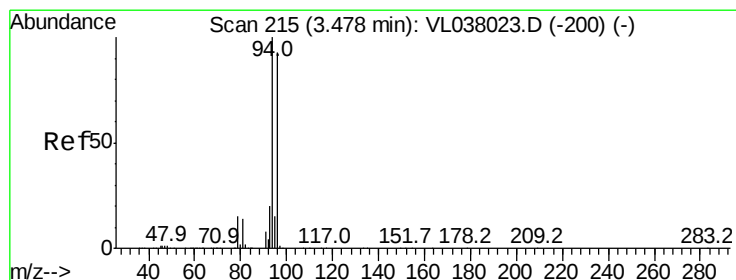
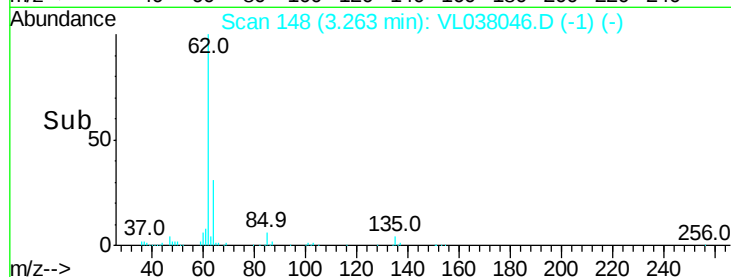
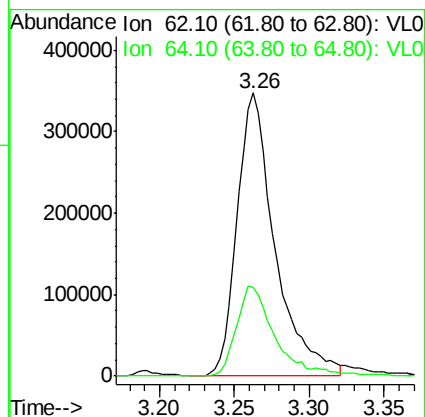
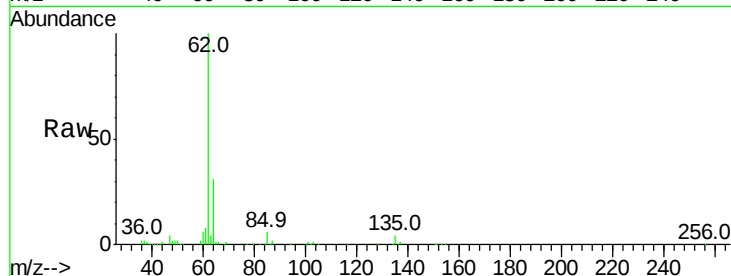
Acq: 18 Nov 2021 8:47

Tgt Ion: 62 Resp: 612342

Ion Ratio Lower Upper

62 100

64 31.4 27.4 41.0



#6

Bromomethane

Concen: 7.396 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038046.D

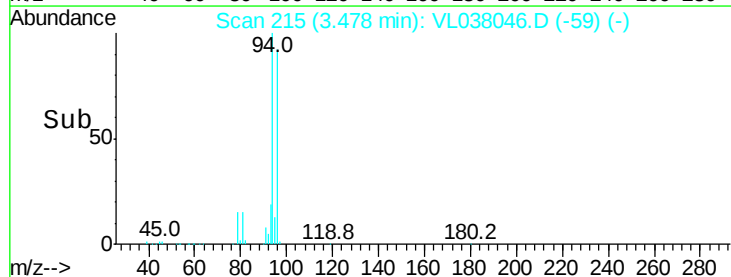
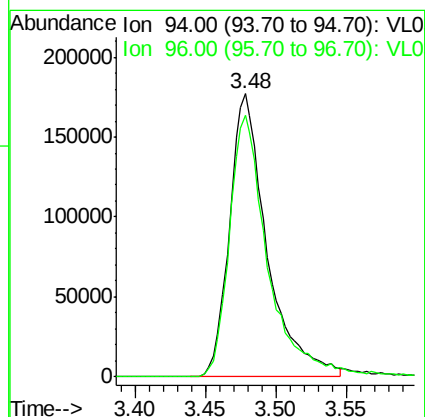
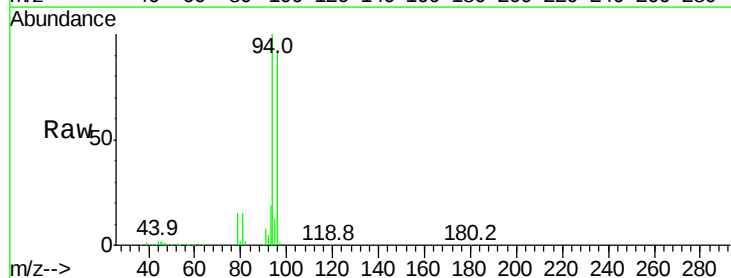
Acq: 18 Nov 2021 8:47

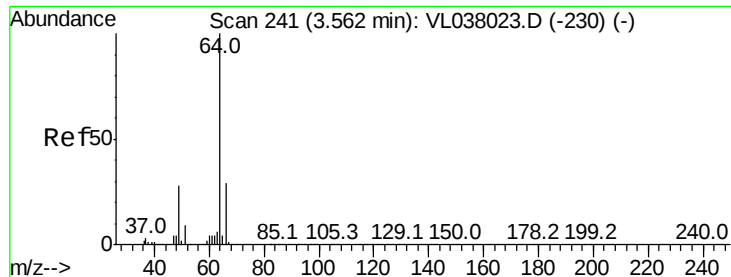
Tgt Ion: 94 Resp: 330205

Ion Ratio Lower Upper

94 100

96 92.4 74.8 112.2





#7

Chloroethane

Concen: 7.125 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDICCC010

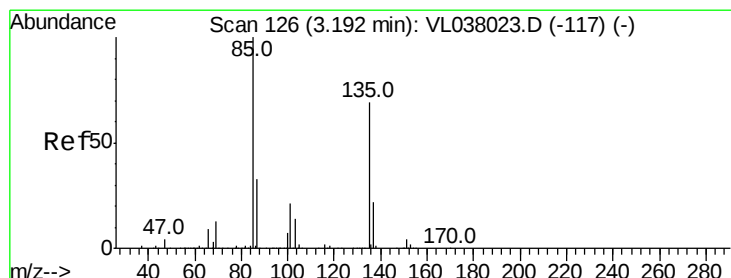
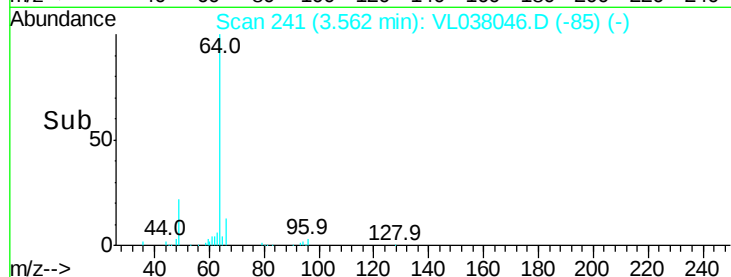
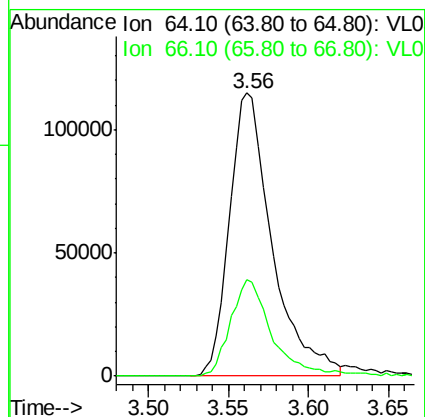
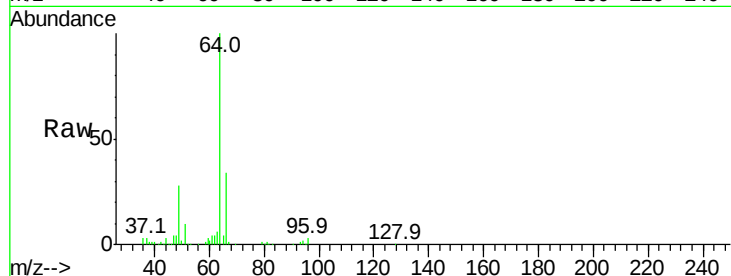
Acq: 18 Nov 2021 8:47

Tgt Ion: 64 Resp: 209329

Ion Ratio Lower Upper

64 100

66 34.0 23.1 34.7



#8

Dichlorotetrafluoroethane

Concen: 7.047 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038046.D

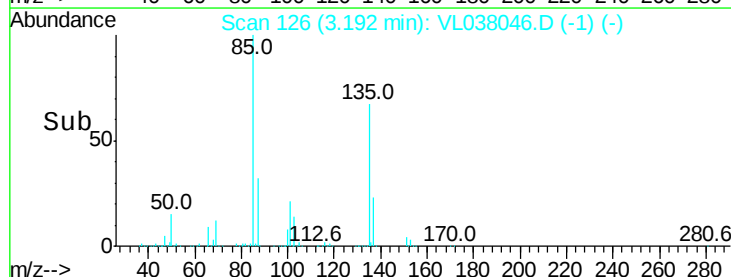
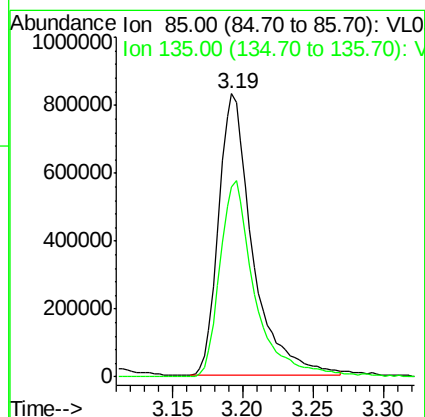
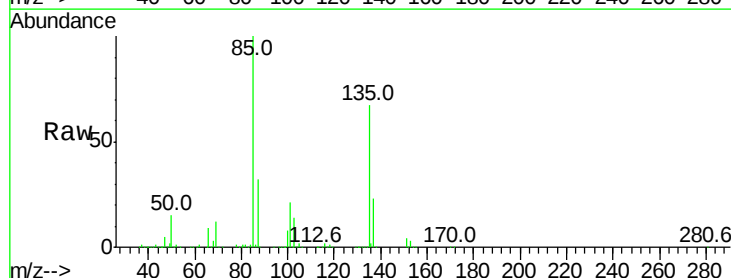
Acq: 18 Nov 2021 8:47

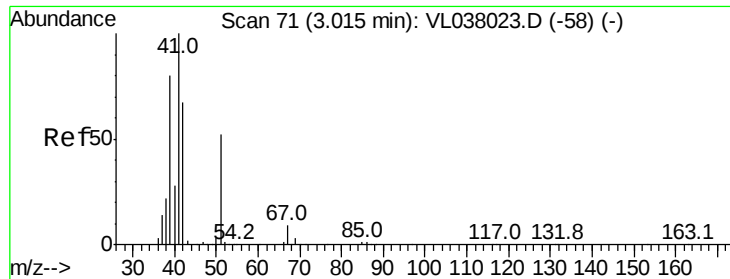
Tgt Ion: 85 Resp: 1396980

Ion Ratio Lower Upper

85 100

135 72.4 57.0 85.6





#9

Propene

Concen: 7.051 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

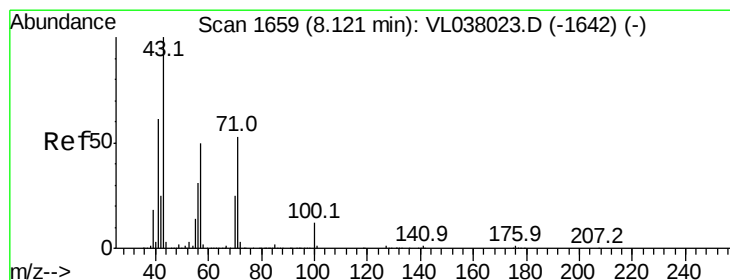
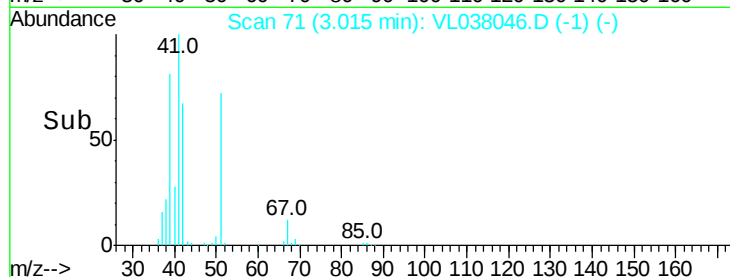
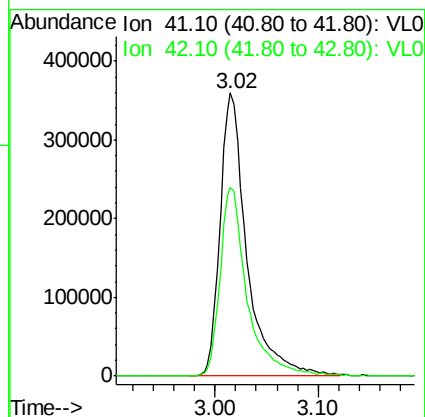
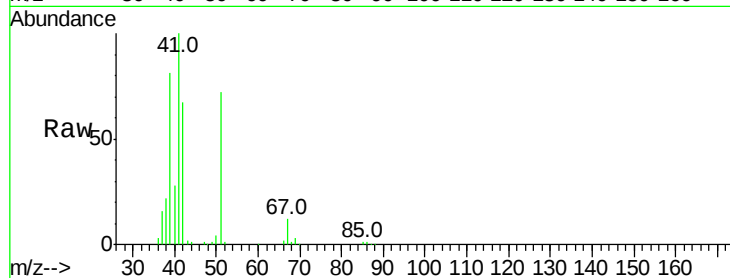
Acq: 18 Nov 2021 8:47 VSTDICCC010

Tgt Ion: 41 Resp: 650398

Ion Ratio Lower Upper

41 100

42 67.3 55.4 83.0



#10

Heptane

Concen: 7.001 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL038046.D

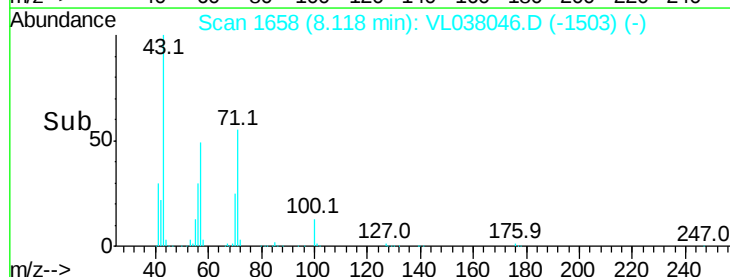
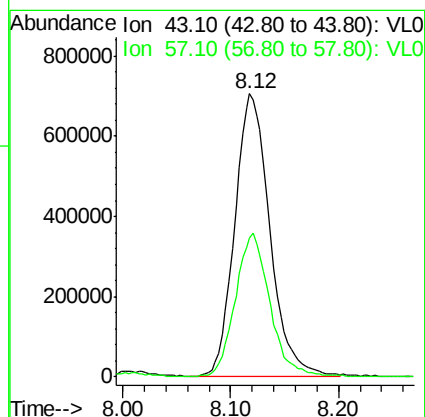
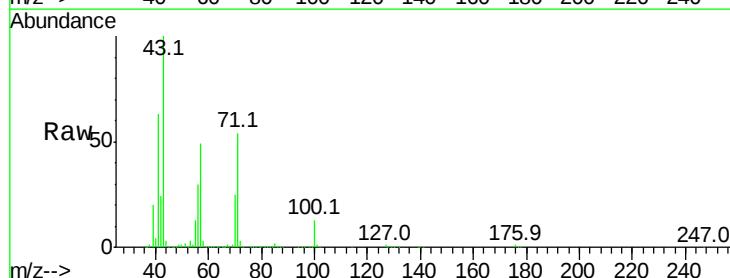
Acq: 18 Nov 2021 8:47

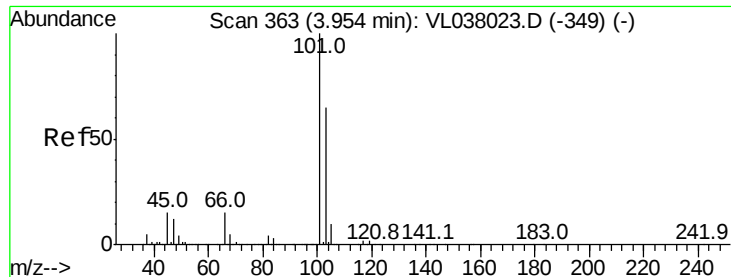
Tgt Ion: 43 Resp: 1589446

Ion Ratio Lower Upper

43 100

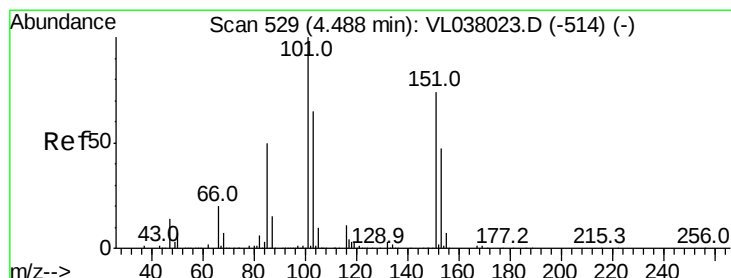
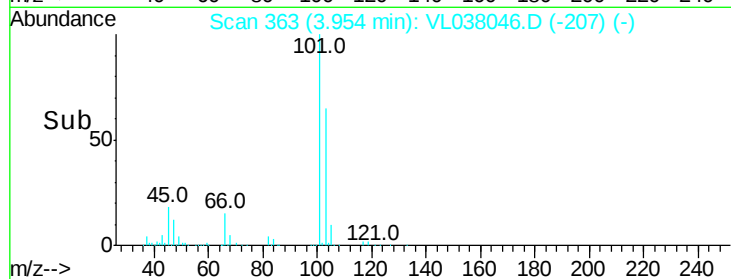
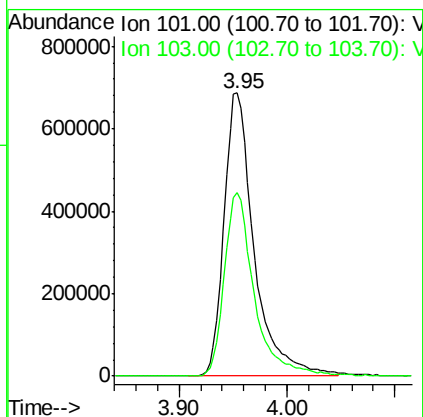
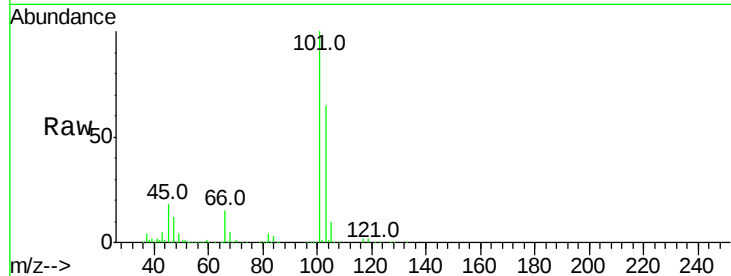
57 50.5 40.2 60.2





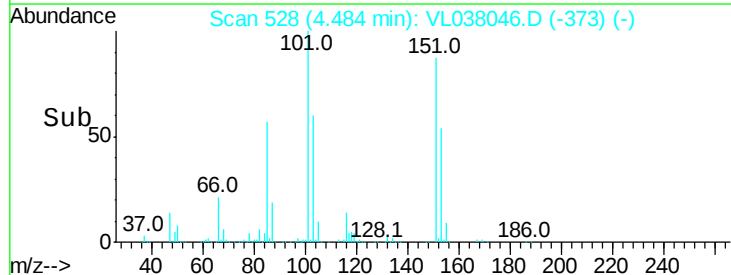
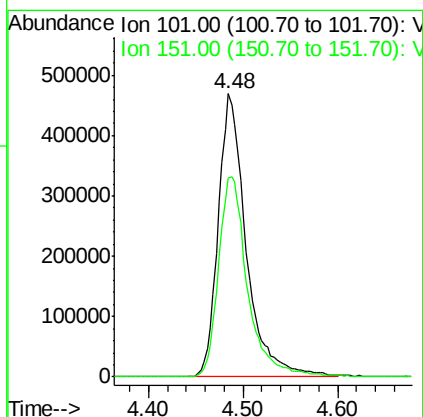
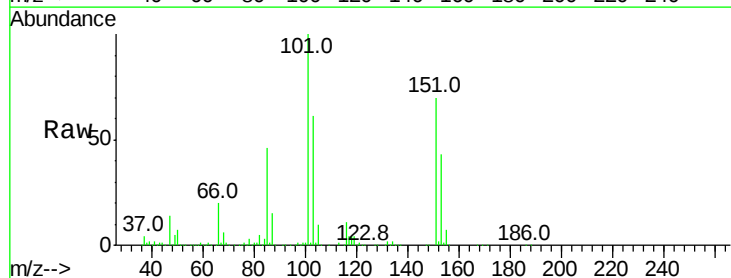
#11
 Trichlorofluoromethane
 Concen: 7.044 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 8:47

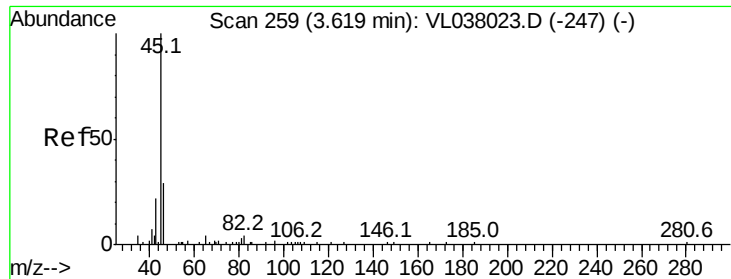
Tgt Ion:101 Resp: 1331971
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.585 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

Tgt Ion:101 Resp: 965199
 Ion Ratio Lower Upper
 101 100
 151 73.7 57.8 86.8





#13

Ethanol

Concen: 2.188 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

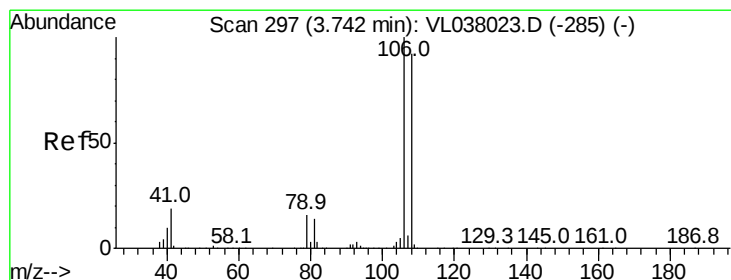
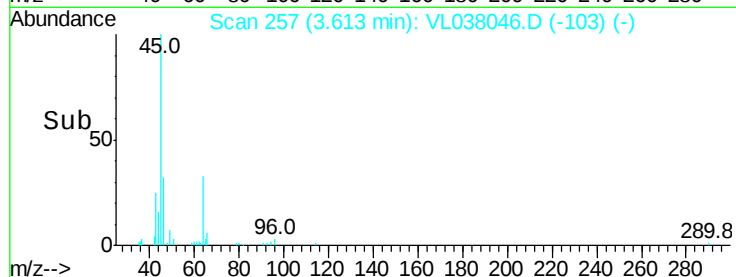
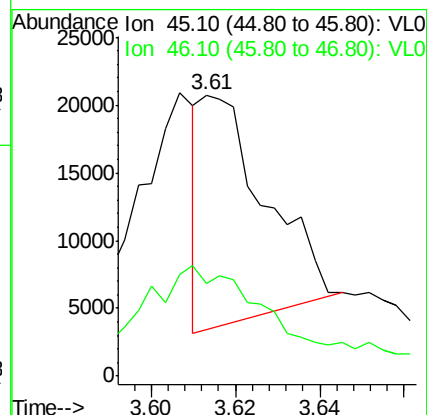
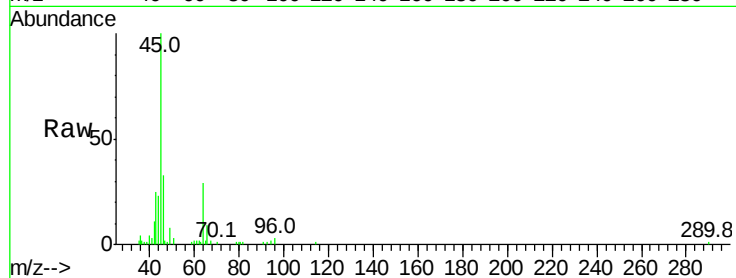
Acq: 18 Nov 2021 8:47 VSTDICCC010

Tgt Ion: 45 Resp: 17889

Ion Ratio Lower Upper

45 100

46 129.3 0.0 0.0#



#14

Bromoethene

Concen: 6.816 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

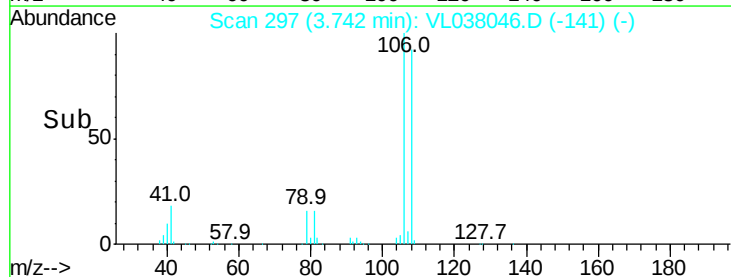
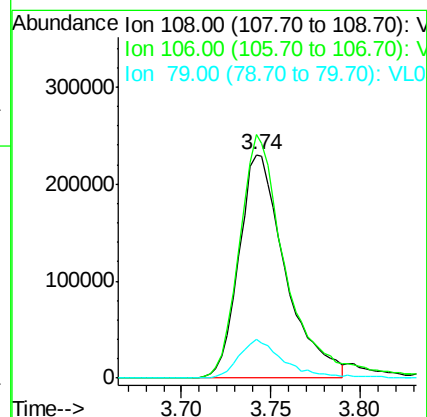
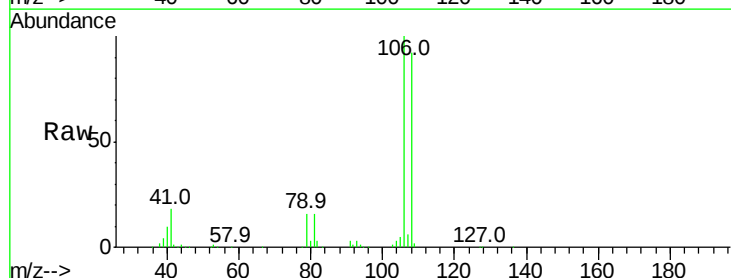
Tgt Ion: 108 Resp: 417682

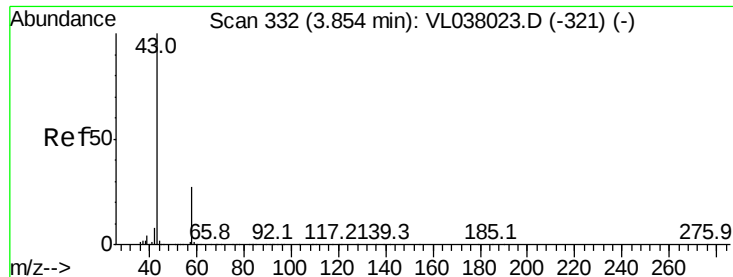
Ion Ratio Lower Upper

108 100

106 111.7 90.4 135.6

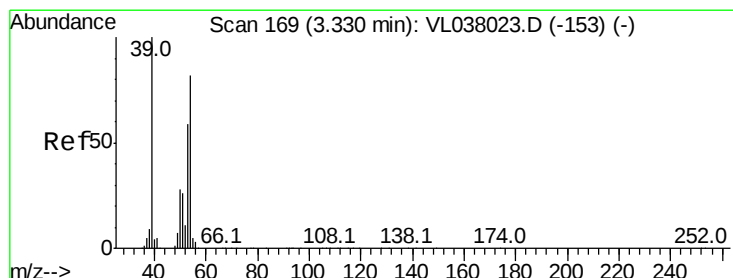
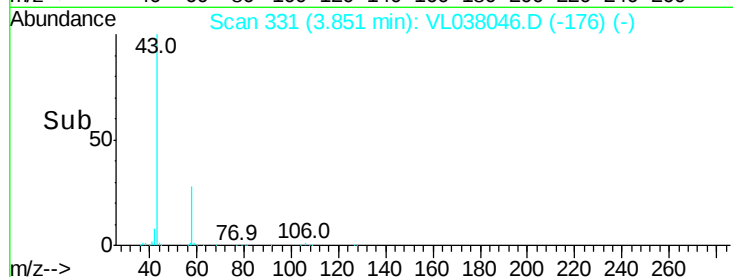
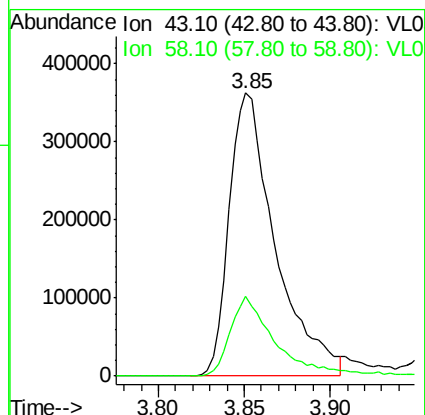
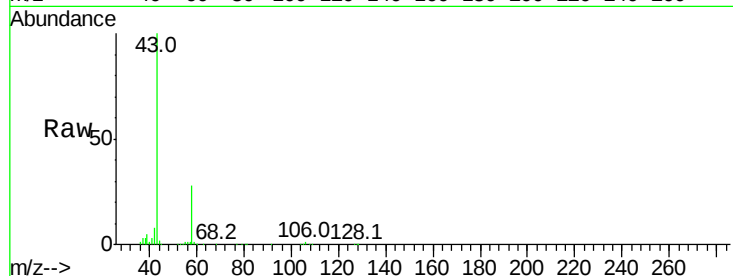
79 17.6 14.5 21.7





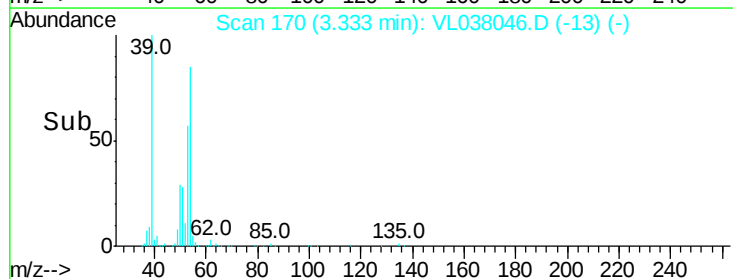
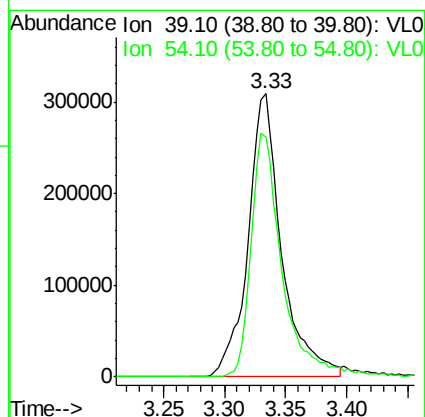
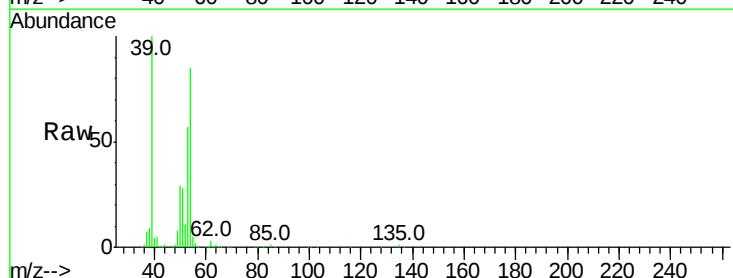
#15
Acetone
Concen: 6.103 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 8:47

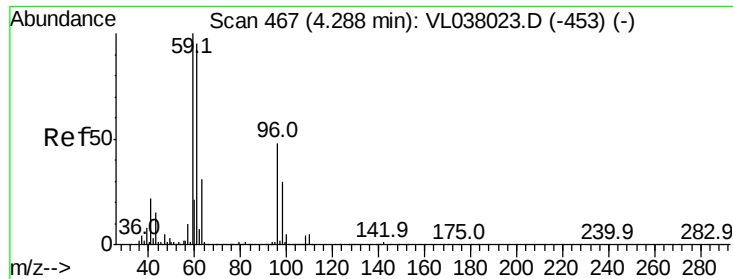
Tgt Ion: 43 Resp: 675023
Ion Ratio Lower Upper
43 100
58 28.0 23.0 34.4



#16
1,3-Butadiene
Concen: 7.123 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

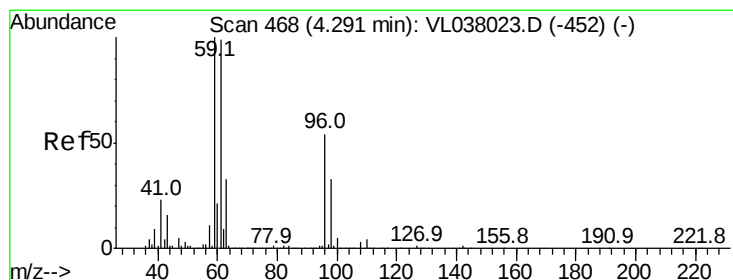
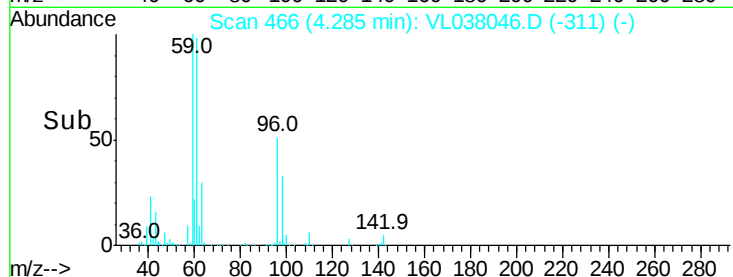
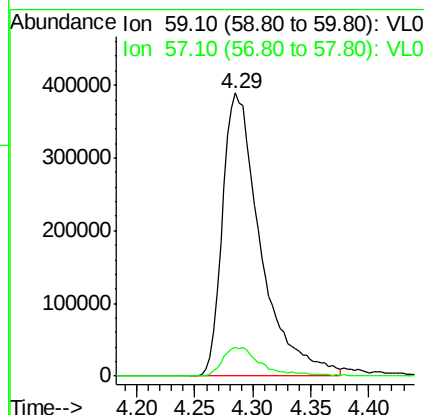
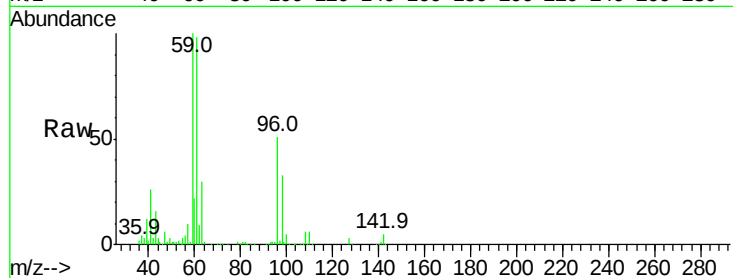
Tgt Ion: 39 Resp: 583427
Ion Ratio Lower Upper
39 100
54 80.5 63.7 95.5





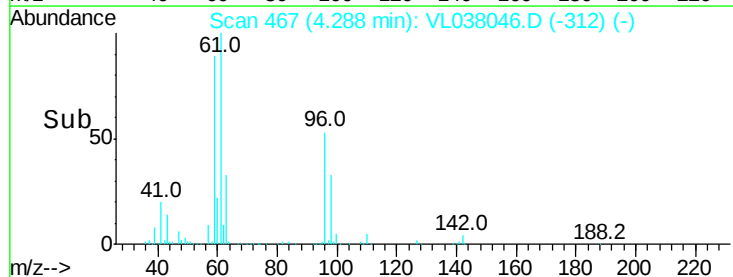
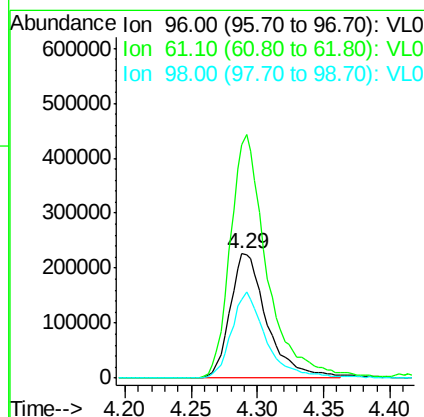
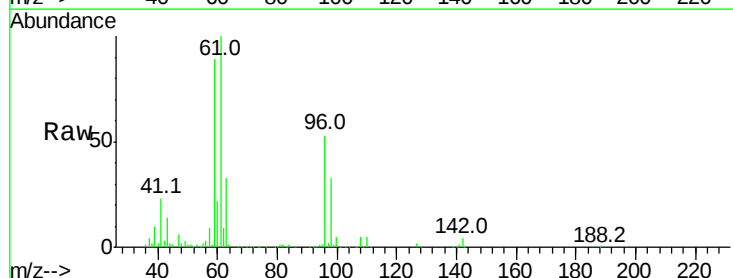
#17
 tert-Butyl alcohol
 Concen: 5.989 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 8:47

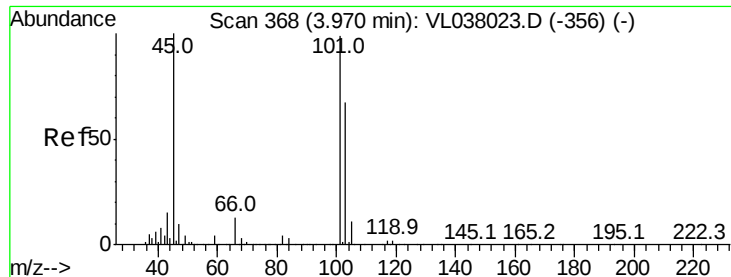
Tgt Ion: 59 Resp: 889689
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.7 13.1



#18
 1,1-Dichloroethene
 Concen: 6.477 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

Tgt Ion: 96 Resp: 438137
 Ion Ratio Lower Upper
 96 100
 61 187.3 145.2 217.8
 98 62.7 48.8 73.2





#19

Isopropyl Alcohol

Concen: 5.891 ppbv

RT: 3.97 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

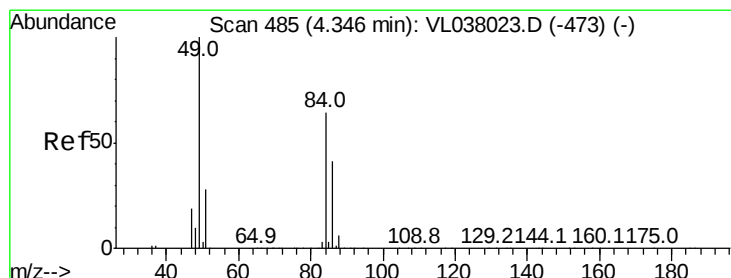
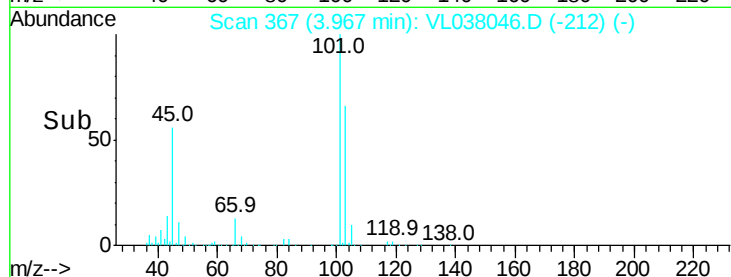
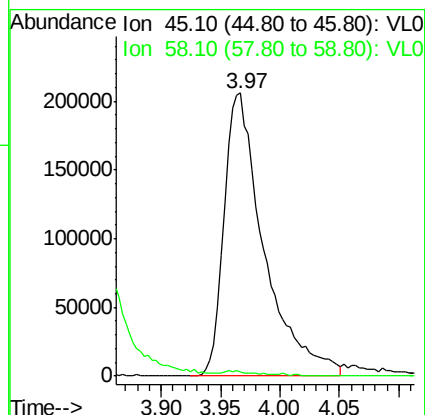
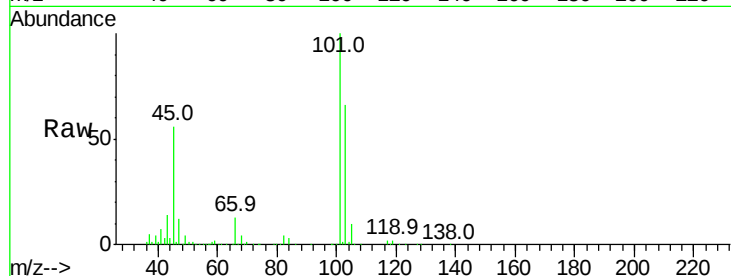
Acq: 18 Nov 2021 8:47

Tgt Ion: 45 Resp: 477169

Ion Ratio Lower Upper

45 100

58 1.7 29.8 44.6#



#20

Methylene Chloride

Concen: 5.732 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

Tgt Ion: 84 Resp: 371913

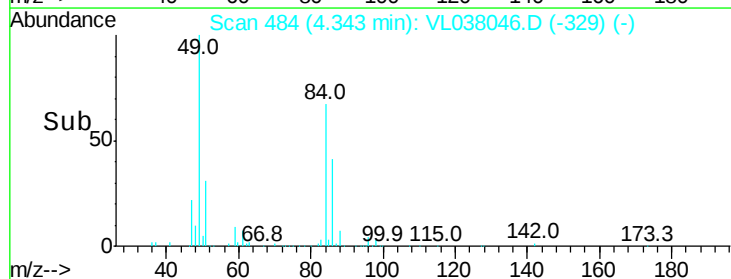
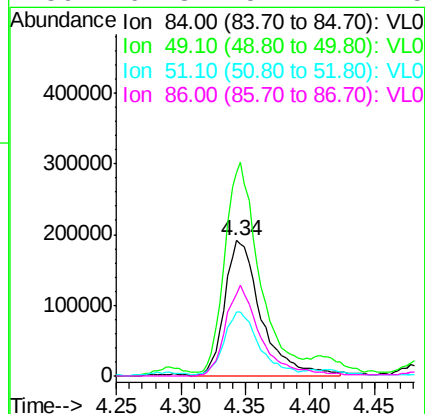
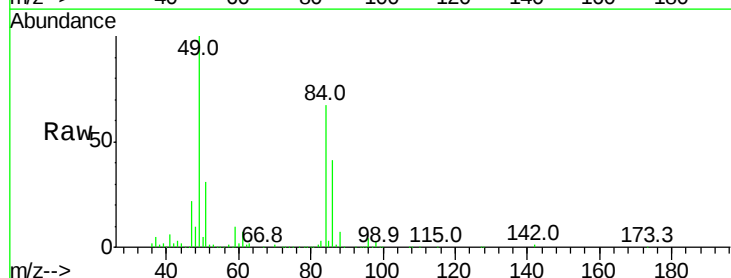
Ion Ratio Lower Upper

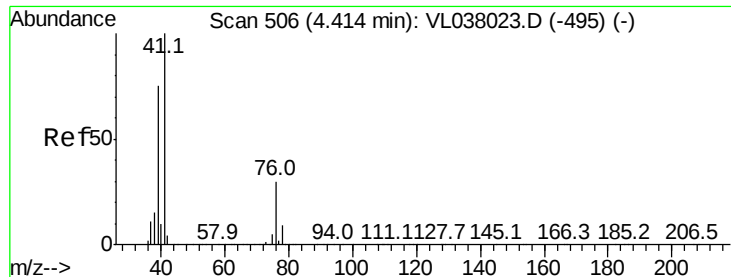
84 100

49 147.7 125.1 187.7

51 46.0 35.3 52.9

86 61.3 51.7 77.5





#21

Allyl Chloride

Concen: 6.365 ppbv

RT: 4.41

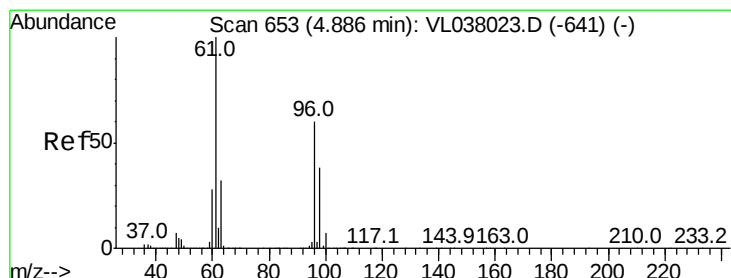
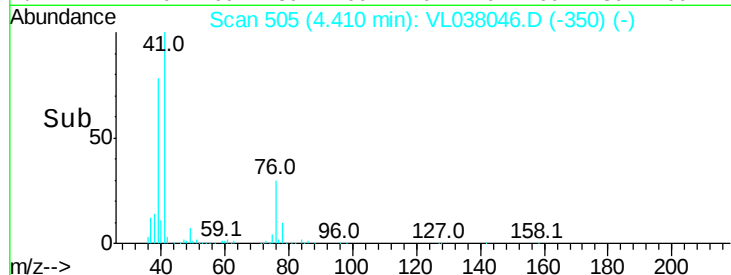
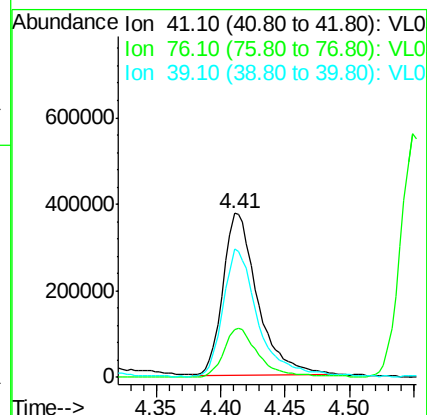
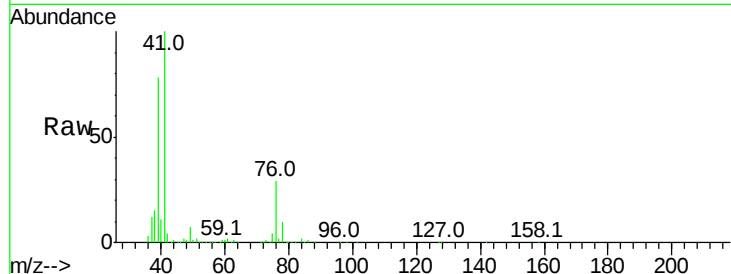
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDICCC010

Acq: 18 Nov 2021 8:47

Tgt Ion: 41 Resp: 704547

Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.6	37.0
39	79.2	60.6	90.8



#22

trans-1,2-Dichloroethene

Concen: 6.669 ppbv

RT: 4.89 min Scan# 653

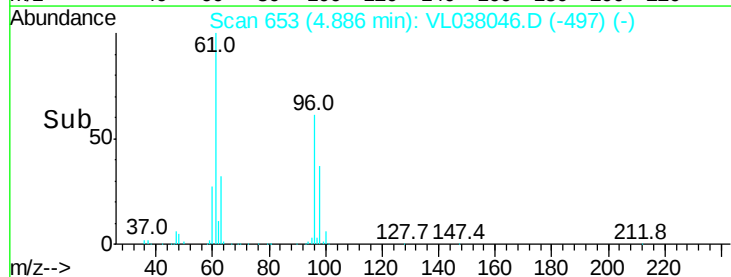
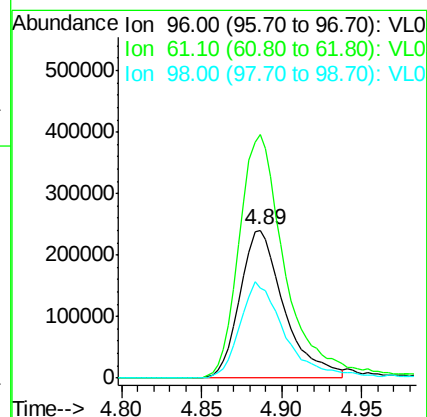
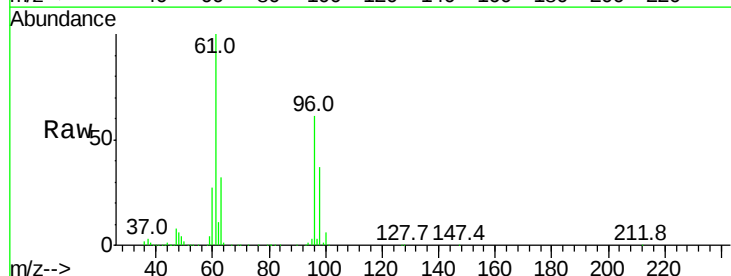
Delta R.T. 0.00 min

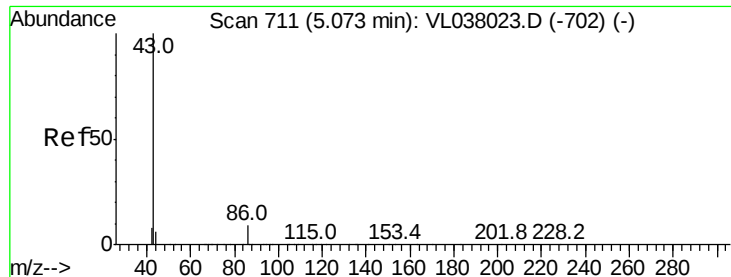
Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

Tgt Ion: 96 Resp: 455171

Ion	Ratio	Lower	Upper
96	100		
61	164.5	134.2	201.4
98	60.5	51.3	76.9





#23

Vinyl Acetate

Concen: 6.308 ppbv

RT: 5.07

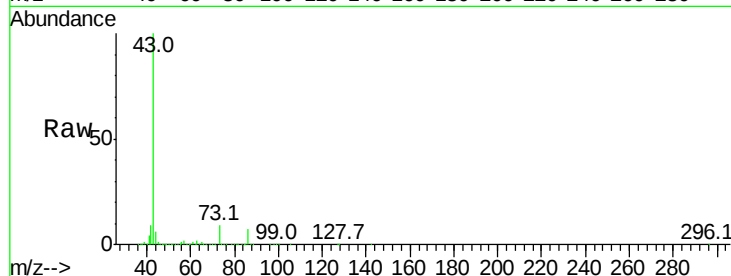
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 8:47

Tgt Ion: 43 Resp: 1155636

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.9	8.9
42	8.8	7.4	11.2
44	5.0	4.1	6.1

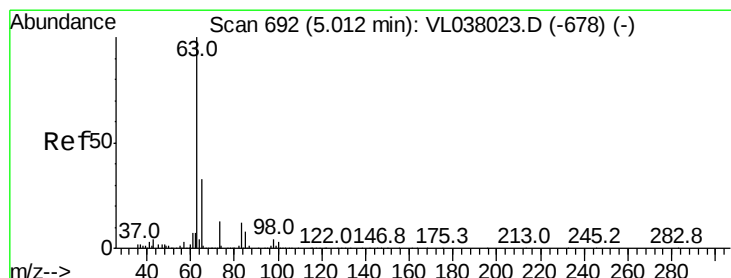
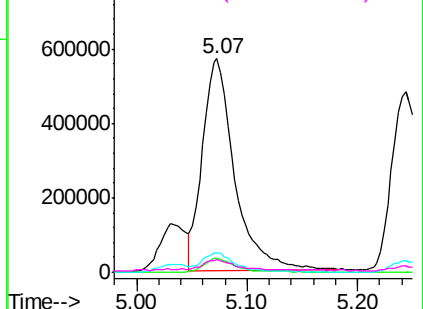
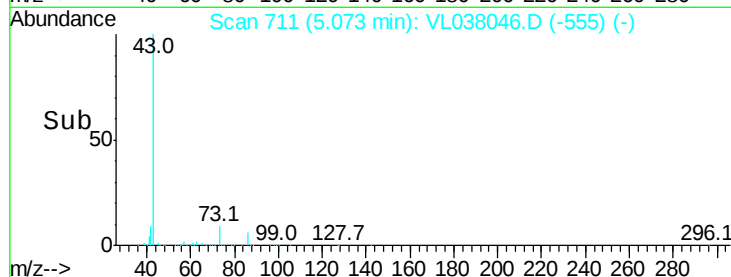


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 6.467 ppbv

RT: 5.01 min Scan# 691

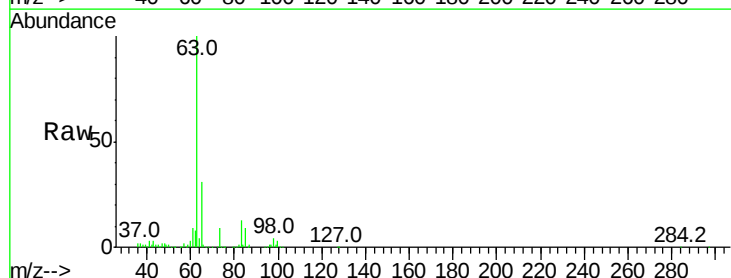
Delta R.T. -0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

Tgt Ion: 63 Resp: 924107

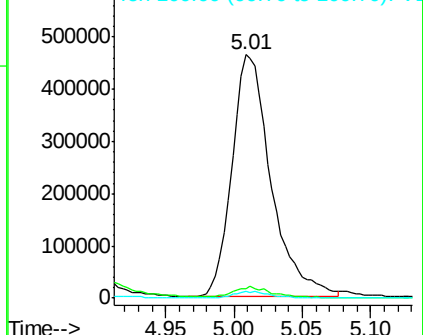
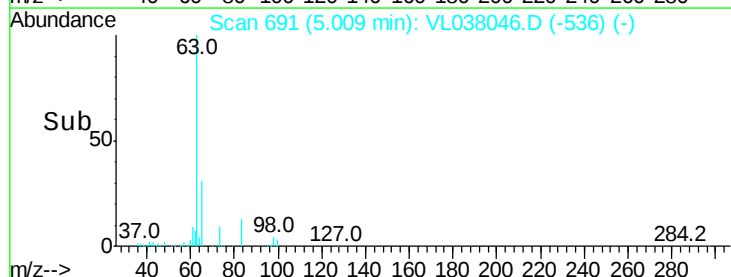
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.3	6.9
100	2.7	1.5	4.4

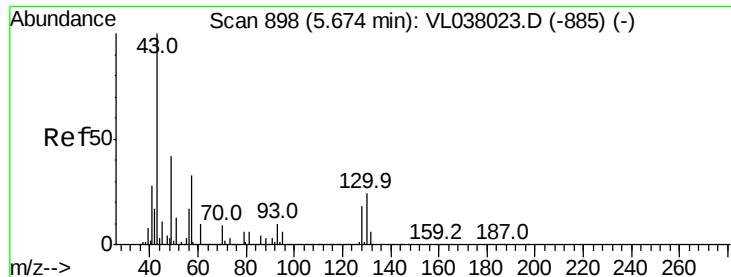


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

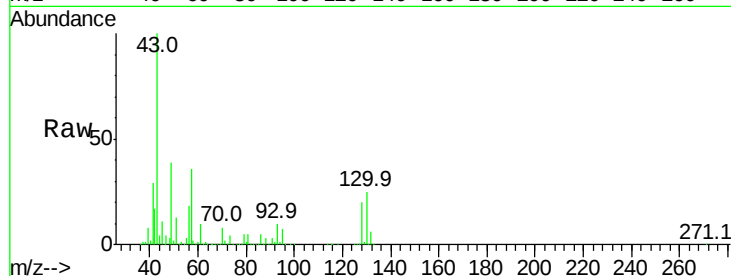




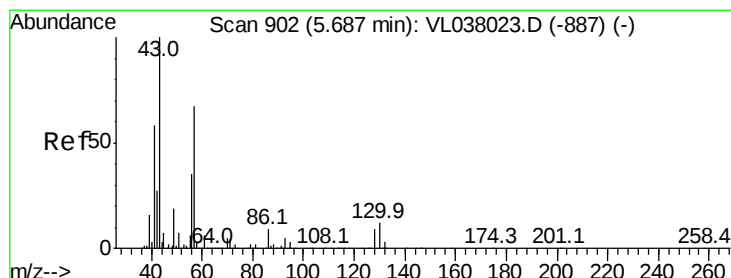
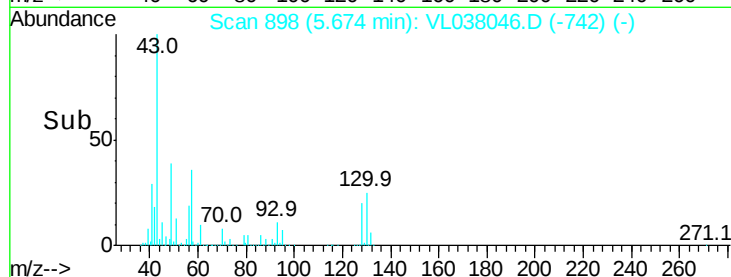
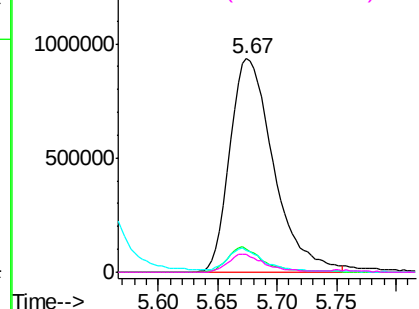
#25
Ethyl Acetate
Concen: 9.108 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDICCC010
Acq: 18 Nov 2021 8:47

Tgt Ion: 43 Resp: 2369824

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.7	8.3	12.5
70	7.3	5.7	8.5



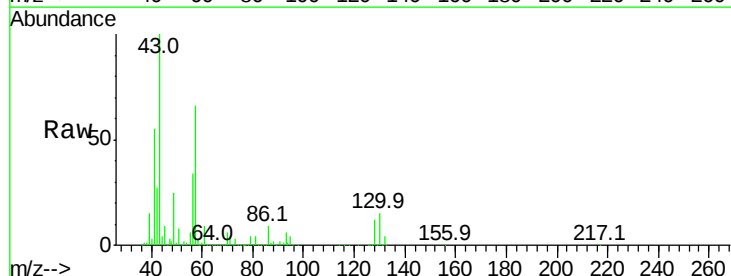
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



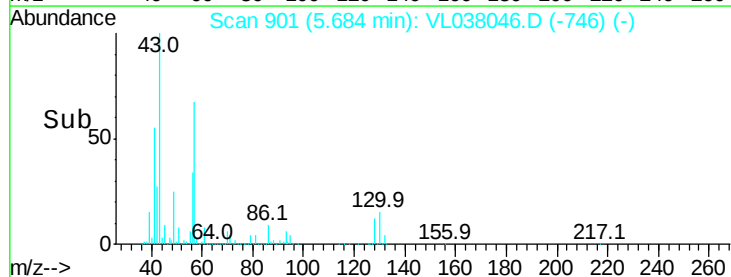
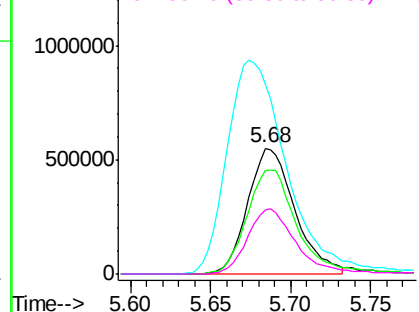
#26
Hexane
Concen: 8.502 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

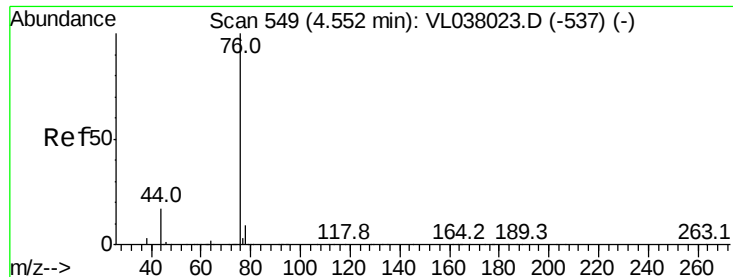
Tgt Ion: 57 Resp: 1111342

Ion	Ratio	Lower	Upper
57	100		
41	89.3	70.8	106.2
43	218.2	169.4	254.0
56	54.0	41.8	62.8



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: 6.754 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

Acq: 18 Nov 2021 8:47

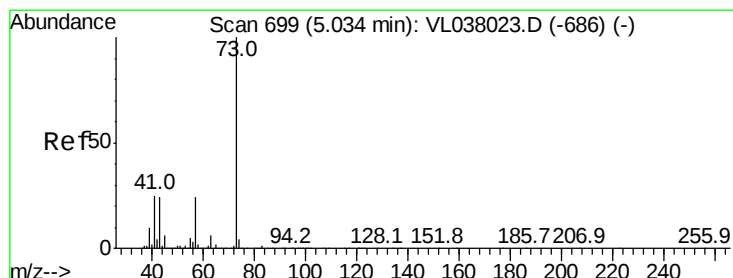
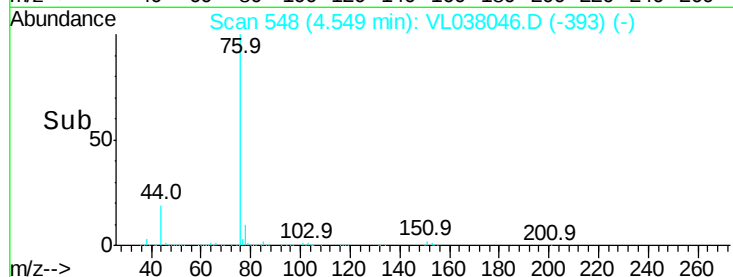
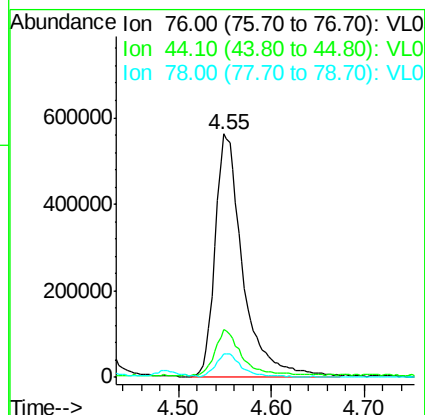
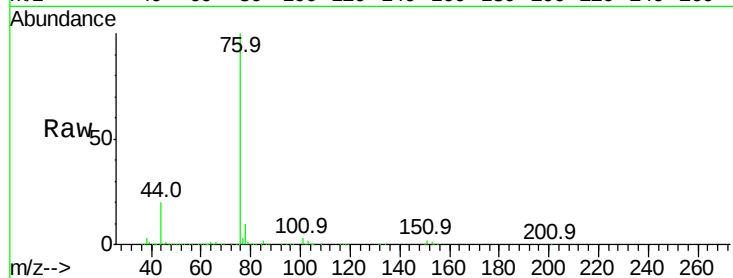
Tgt Ion: 76 Resp: 1157910

Ion Ratio Lower Upper

76 100

44 18.6 15.4 23.0

78 9.5 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 6.293 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL038046.D

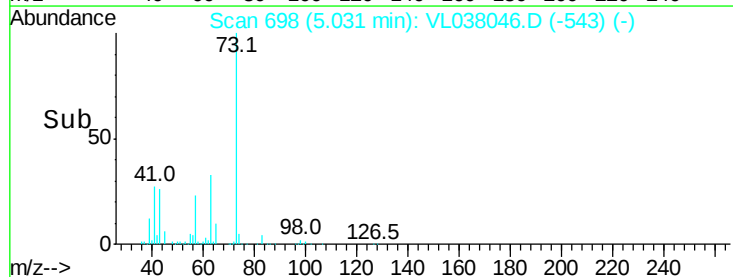
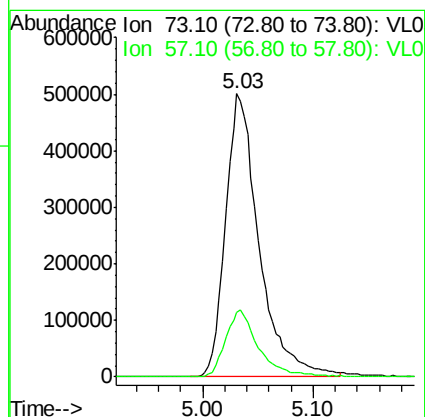
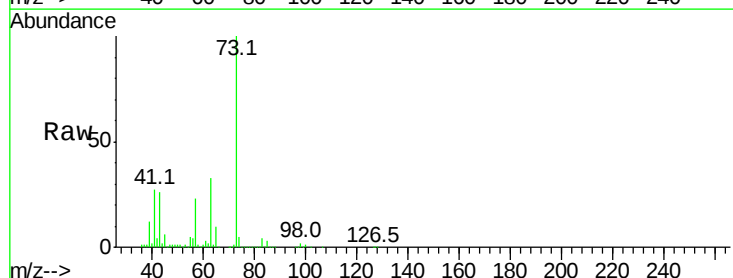
Acq: 18 Nov 2021 8:47

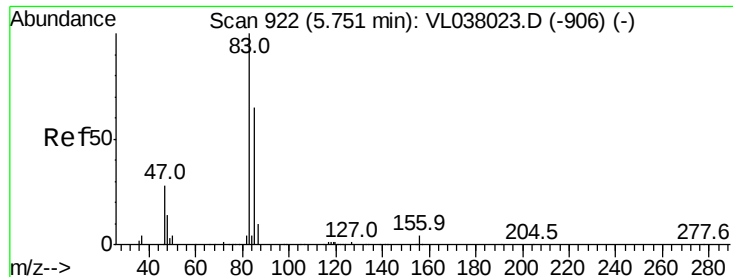
Tgt Ion: 73 Resp: 1054975

Ion Ratio Lower Upper

73 100

57 23.7 19.1 28.7





#29

Chloroform

Concen: 8.697 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

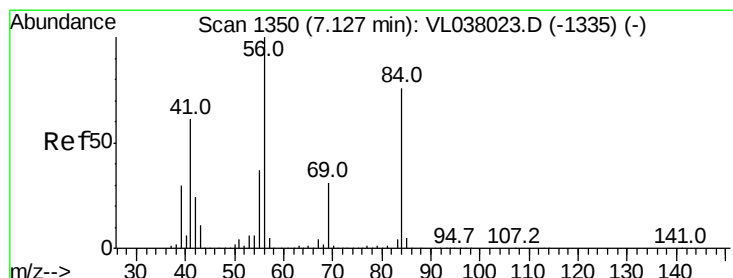
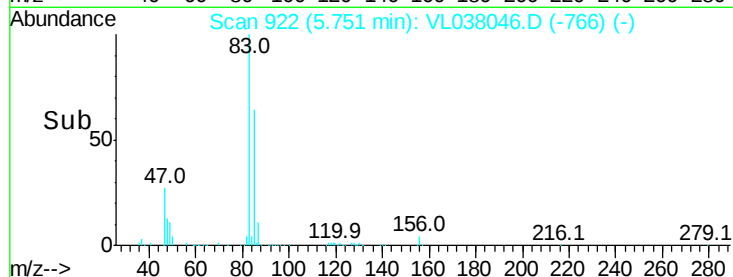
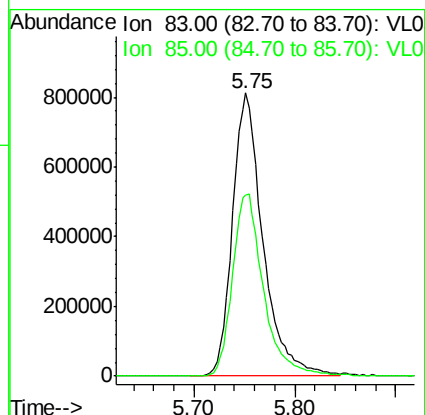
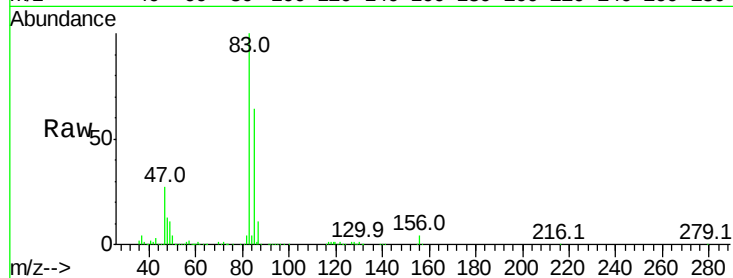
Acq: 18 Nov 2021 8:47 VSTDICCC010

Tgt Ion: 83 Resp: 1712356

Ion Ratio Lower Upper

83 100

85 63.8 52.1 78.1



#30

Cyclohexane

Concen: 7.059 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

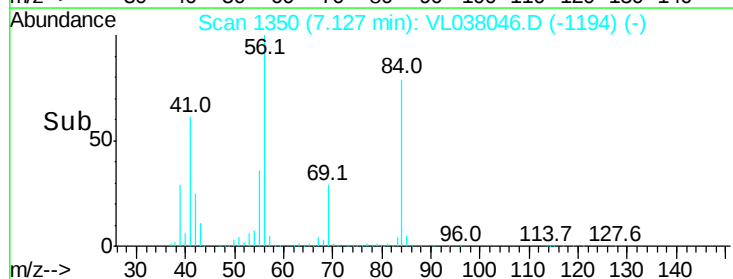
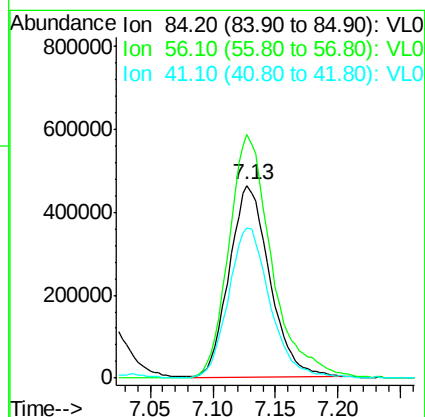
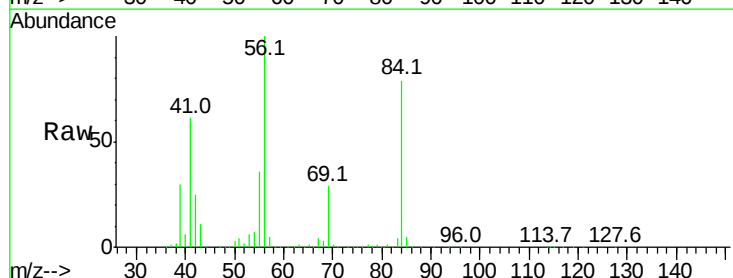
Tgt Ion: 84 Resp: 1039139

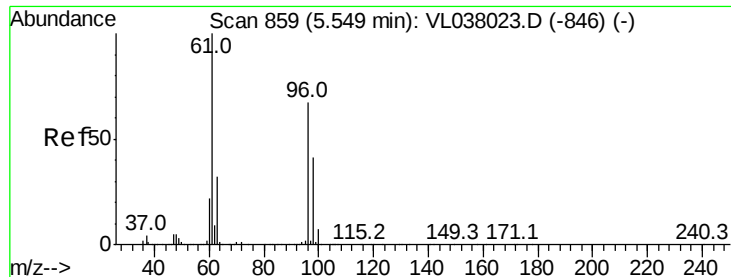
Ion Ratio Lower Upper

84 100

56 135.1 109.5 164.3

41 80.5 65.1 97.7





#31

cis-1,2-Dichloroethene

Concen: 10.591 ppbv

RT: 5.55

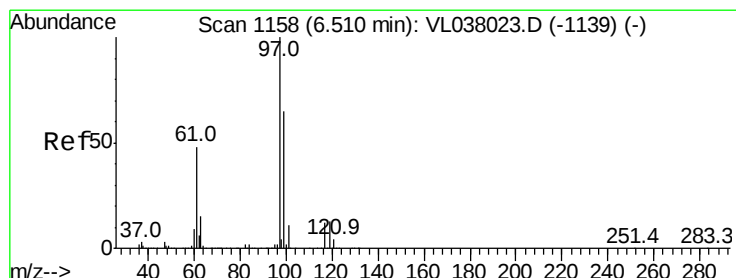
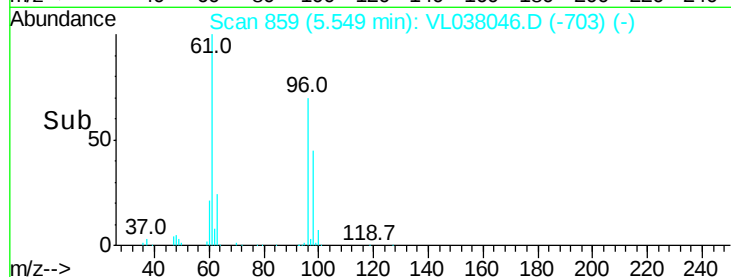
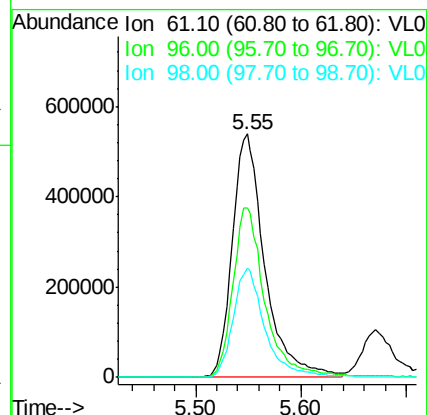
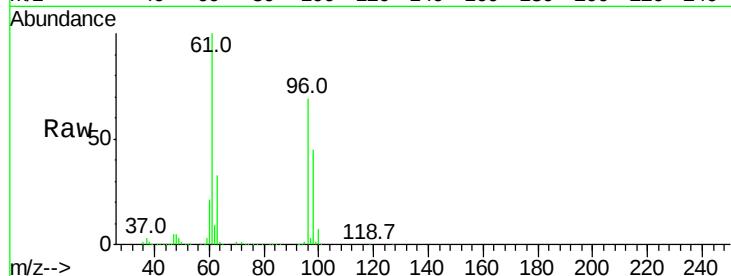
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 8:47

Tgt Ion: 61 Resp: 1146181

Ion	Ratio	Lower	Upper
61	100		
96	69.3	53.9	80.9
98	44.6	32.8	49.2



#32

1,1,1-Trichloroethane

Concen: 7.134 ppbv

RT: 6.51 min Scan# 1158

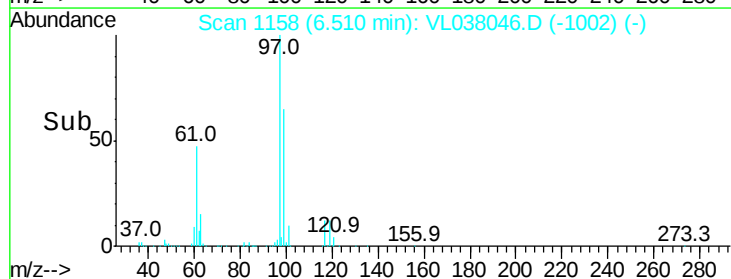
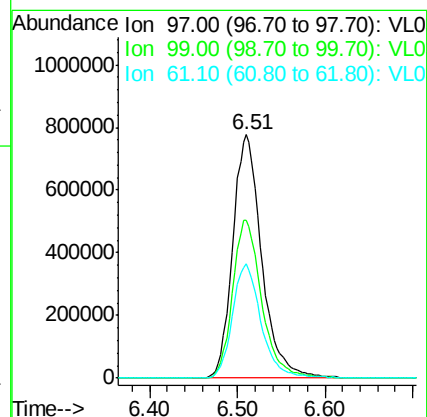
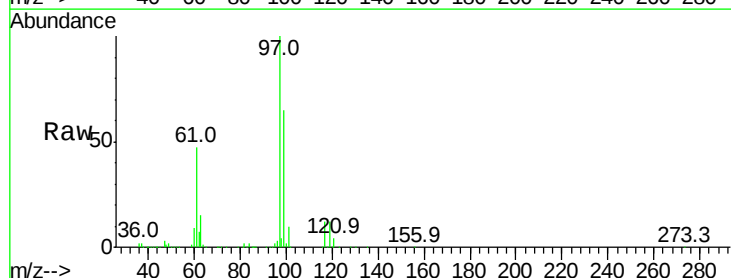
Delta R.T. 0.00 min

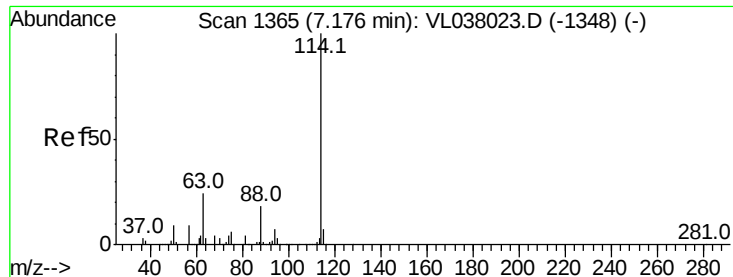
Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

Tgt Ion: 97 Resp: 1782284

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.9	77.9
61	47.1	37.7	56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

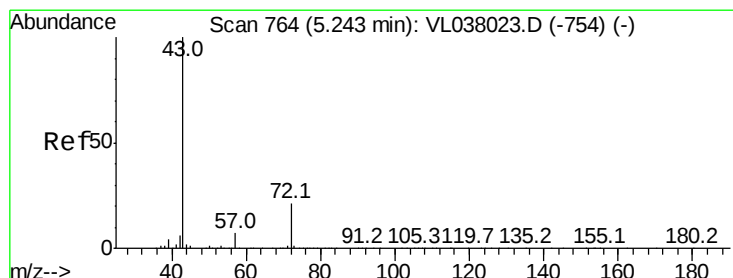
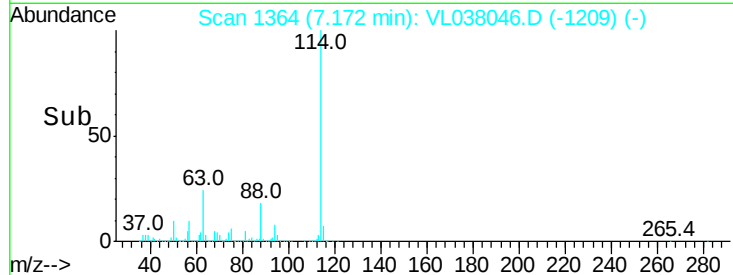
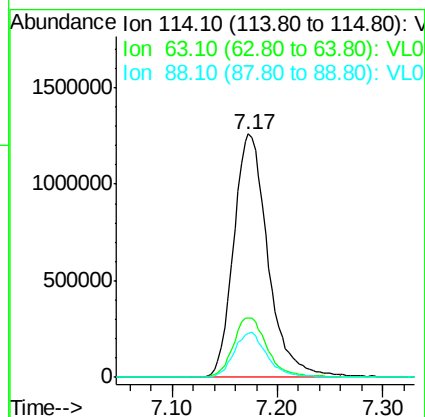
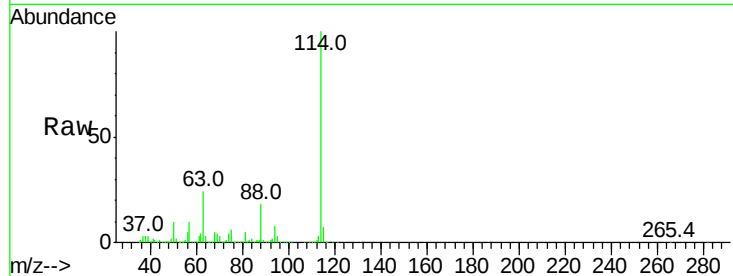
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 8:47

Tgt Ion:114 Resp: 2832808

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.8	29.6
88	18.0	14.6	21.8



#34

2-Butanone

Concen: 10.823 ppbv

RT: 5.24 min Scan# 764

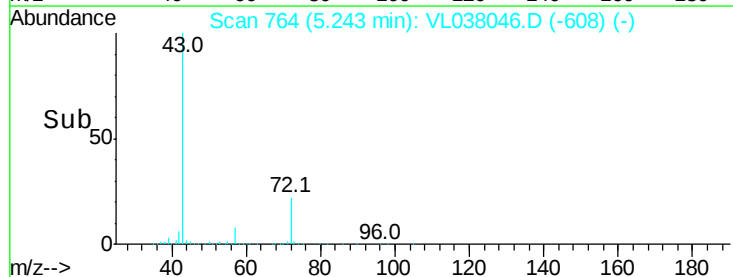
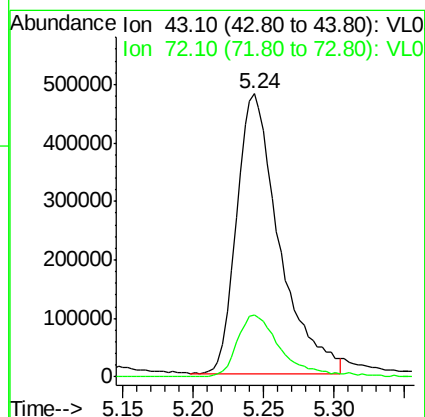
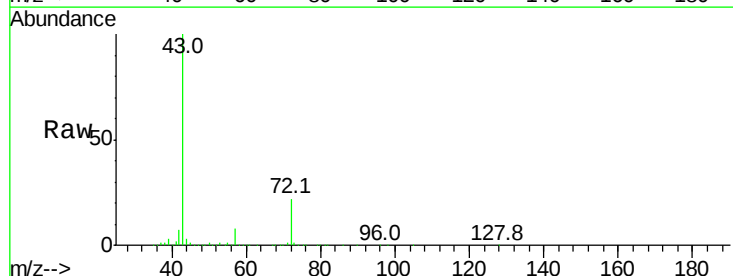
Delta R.T. 0.00 min

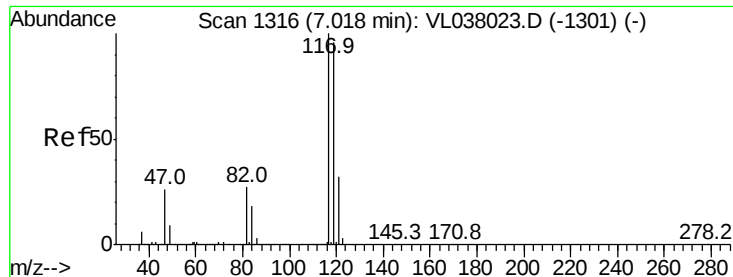
Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

Tgt Ion: 43 Resp: 1011266

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.2	27.2





#35

Carbon Tetrachloride

Concen: 9.206 ppbv

RT: 7.01 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDICCC010

Acq: 18 Nov 2021 8:47

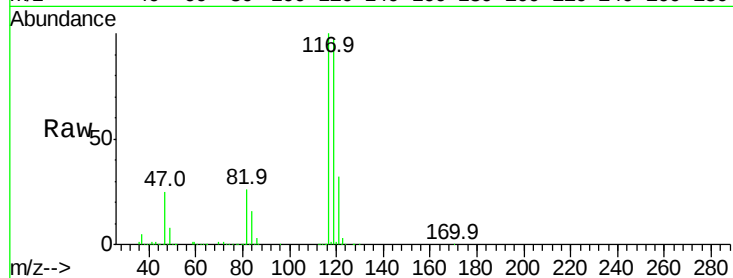
Tgt Ion: 117 Resp: 1802601

Ion Ratio Lower Upper

117 100

119 97.1 76.5 114.7

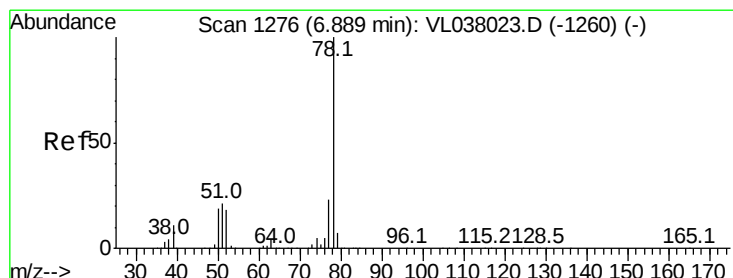
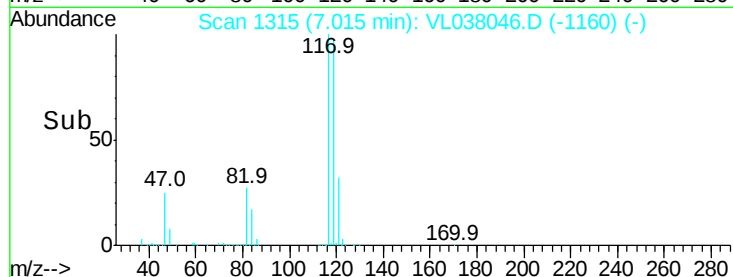
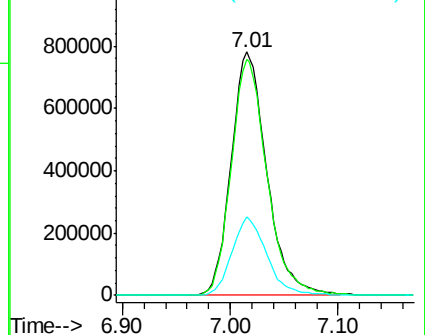
121 32.0 25.3 37.9



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: 9.252 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

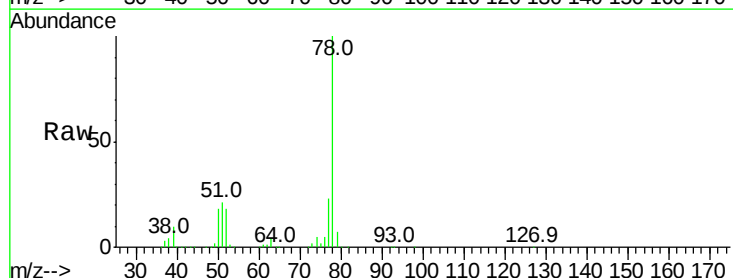
Tgt Ion: 78 Resp: 2493139

Ion Ratio Lower Upper

78 100

77 22.8 18.8 28.2

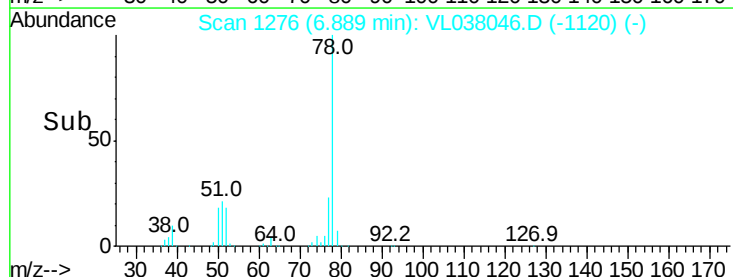
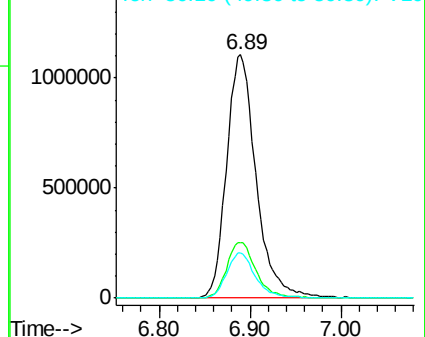
50 18.4 14.9 22.3

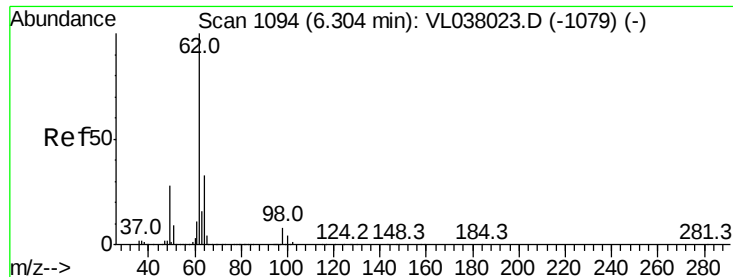


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

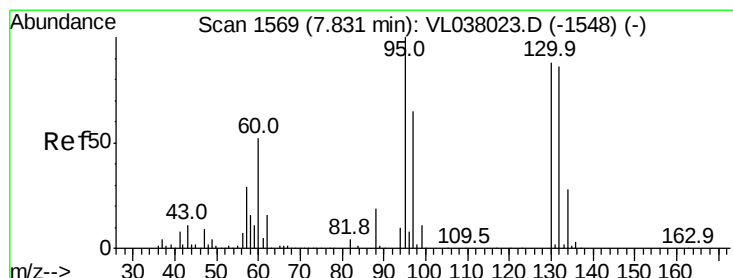
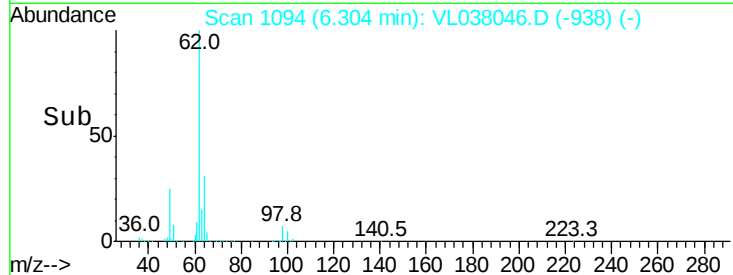
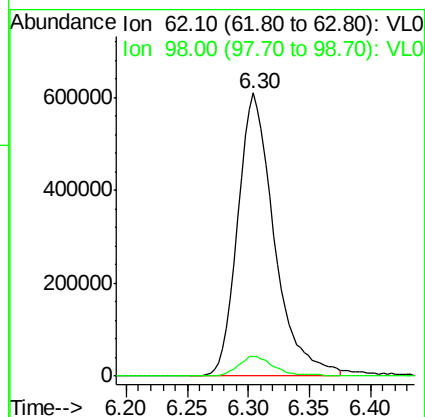
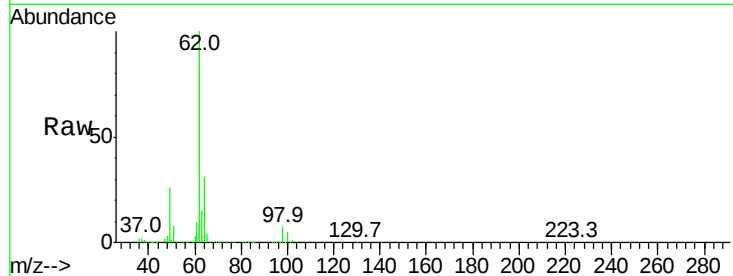
Ion 50.10 (49.80 to 50.80): VL0





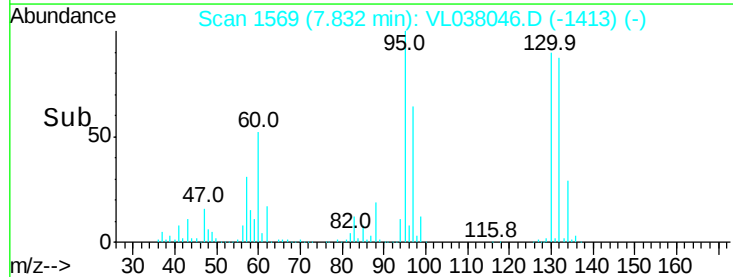
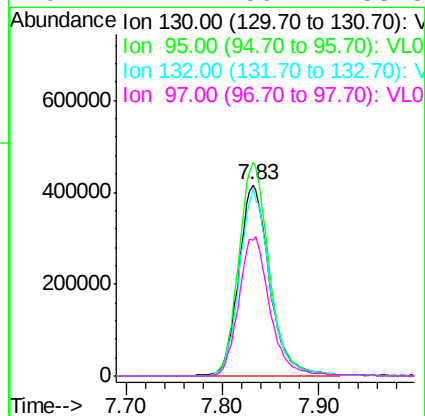
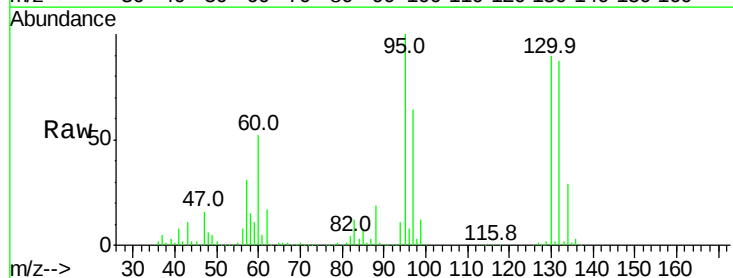
#37
 1,2-Dichloroethane
 Concen: 10.097 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 8:47

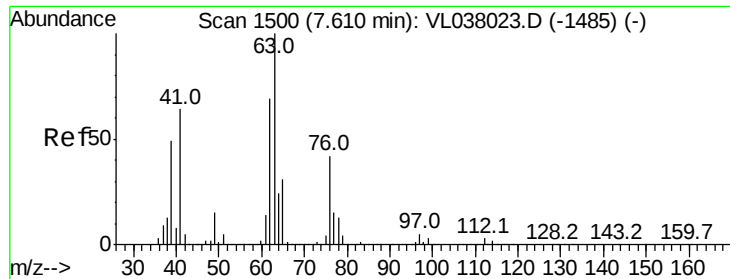
Tgt Ion: 62 Resp: 1262868
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.0 9.0



#38
 Trichloroethene
 Concen: 8.383 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

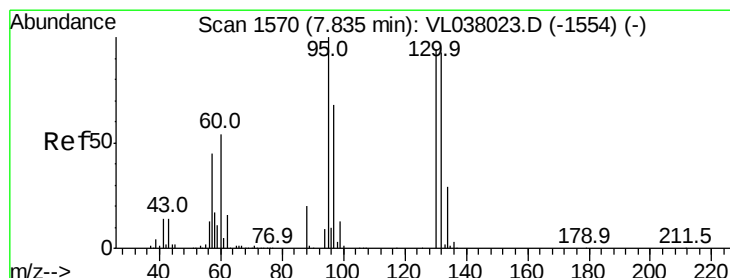
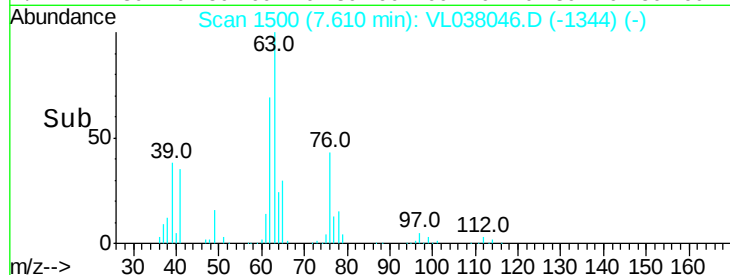
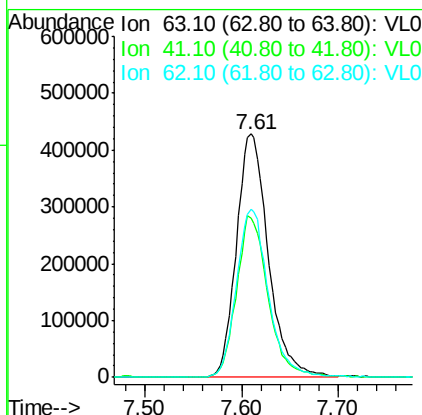
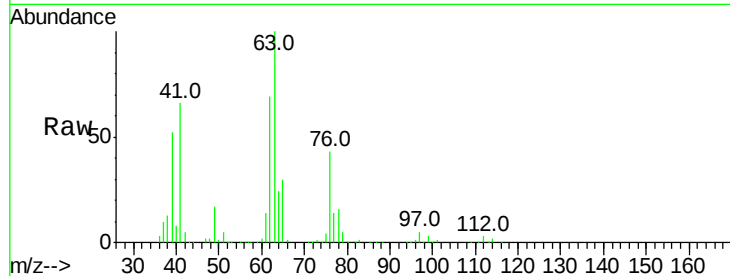
Tgt Ion: 130 Resp: 917773
 Ion Ratio Lower Upper
 130 100
 95 111.8 90.5 135.7
 132 97.7 77.4 116.0
 97 71.2 59.2 88.8





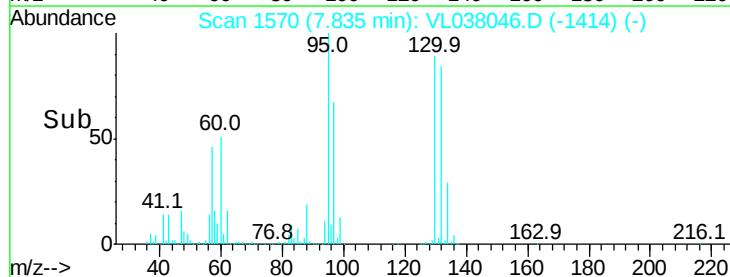
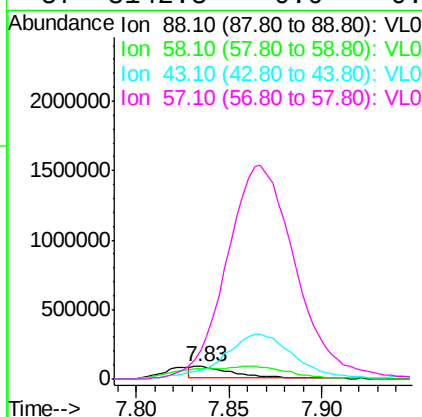
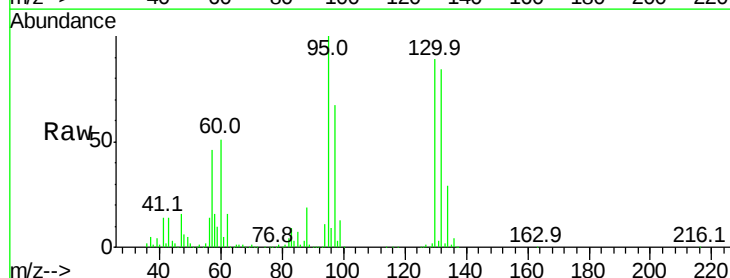
#39
 1,2-Dichloropropane
 Concen: 9.442 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 18 Nov 2021 8:47

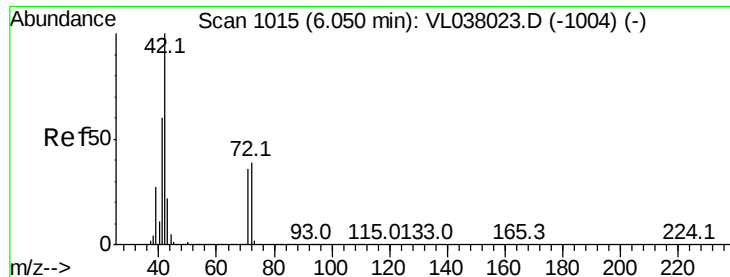
Tgt Ion: 63 Resp: 983487
 Ion Ratio Lower Upper
 63 100
 41 65.4 51.1 76.7
 62 68.9 55.2 82.8



#40
 1,4-Dioxane
 Concen: 4.758 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

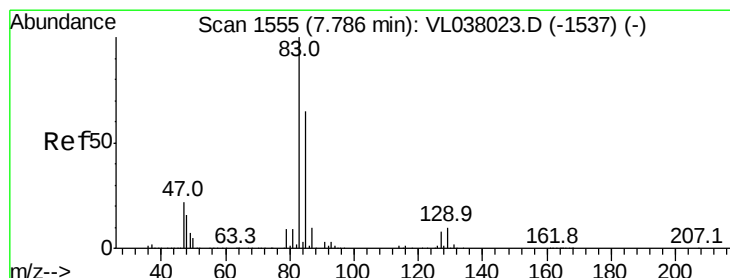
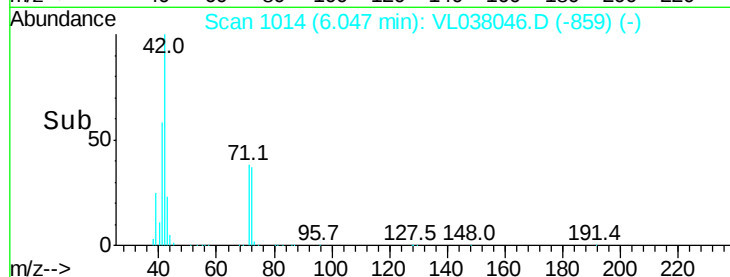
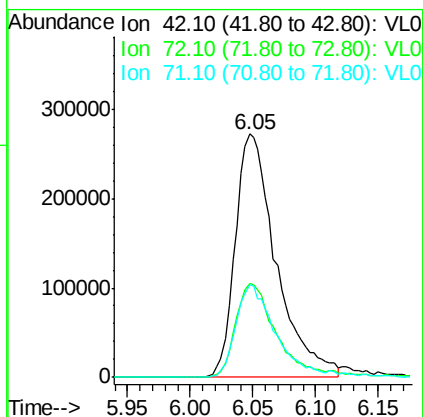
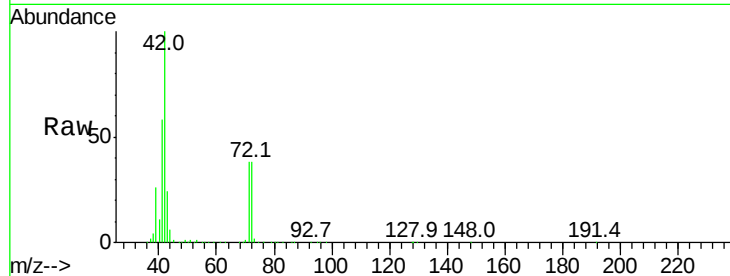
Tgt Ion: 88 Resp: 127810
 Ion Ratio Lower Upper
 88 100
 58 286.5 0.0 0.0#
 43 691.6 0.0 0.0#
 57 3142.3 0.0 0.0#





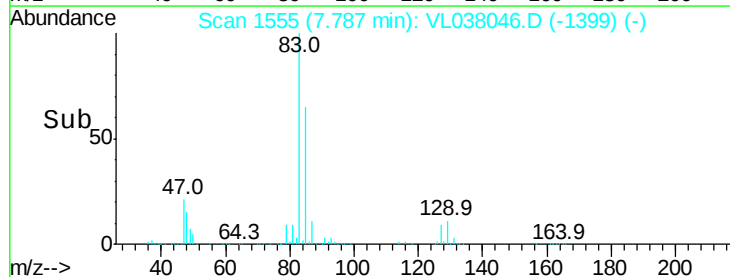
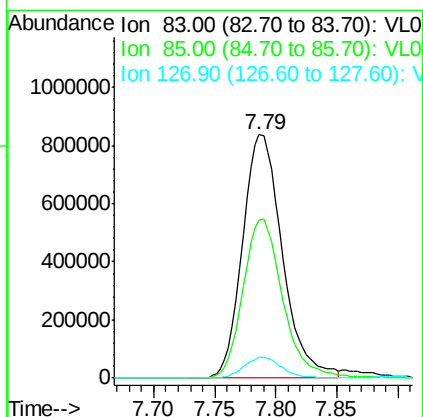
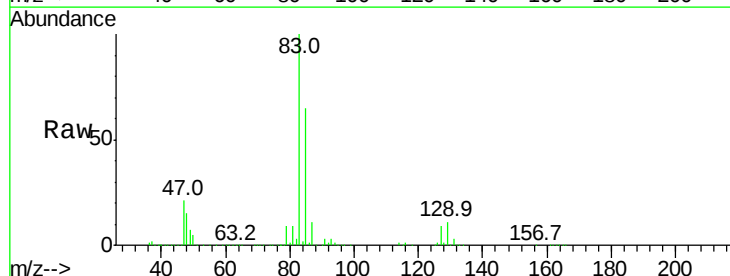
#41
Tetrahydrofuran
Concen: 9.205 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDICCC010
Acq: 18 Nov 2021 8:47

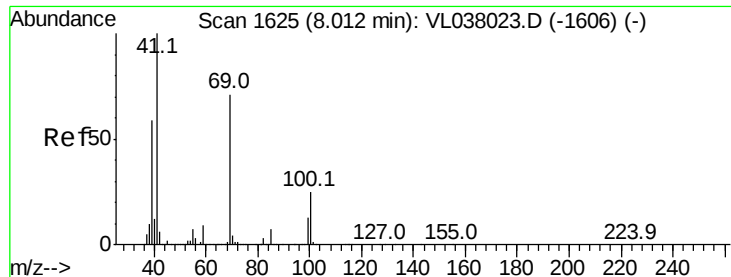
Tgt Ion: 42 Resp: 617133
Ion Ratio Lower Upper
42 100
72 39.6 31.3 46.9
71 38.3 29.7 44.5



#42
Bromodichloromethane
Concen: 9.589 ppbv
RT: 7.79 min Scan# 1555
Delta R.T.: 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

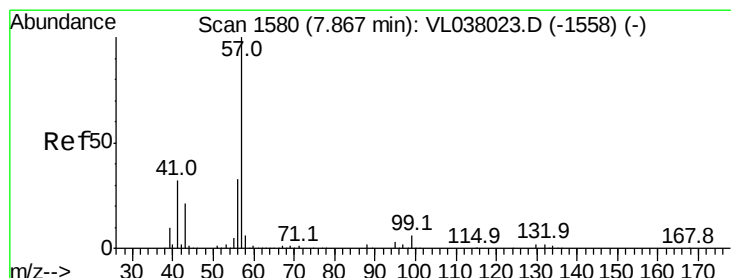
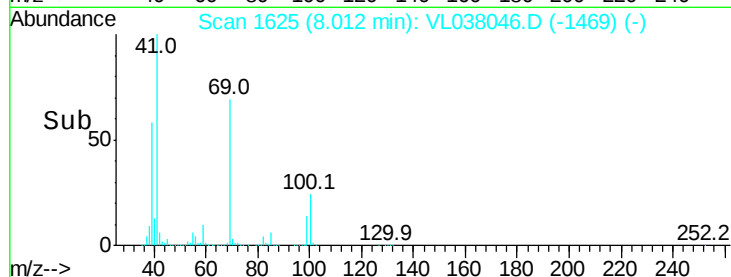
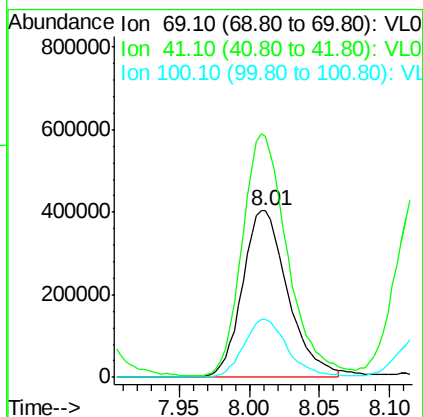
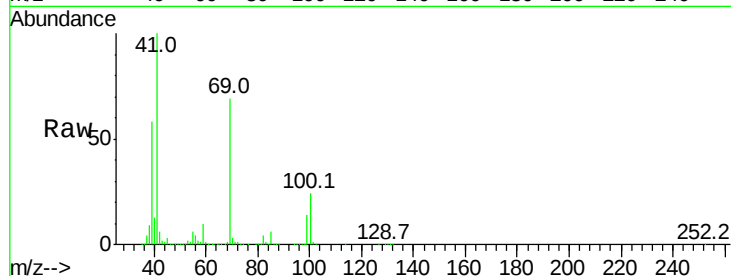
Tgt Ion: 83 Resp: 1888164
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4
127 8.5 6.6 10.0





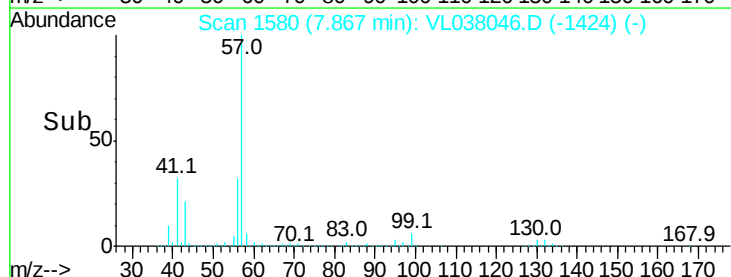
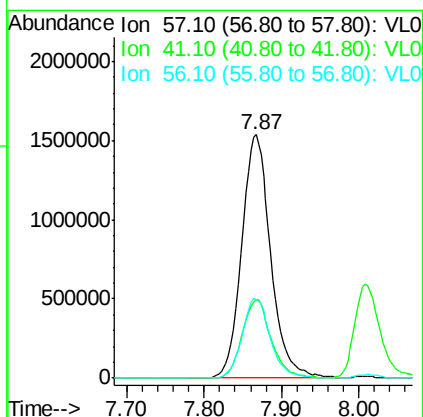
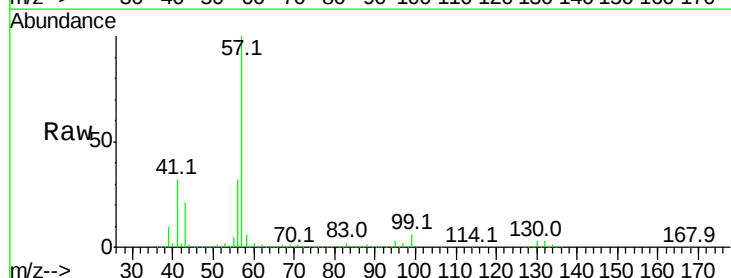
#43
Methyl Methacrylate
Concen: 9.476 ppbv
RT: 8.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 8:47

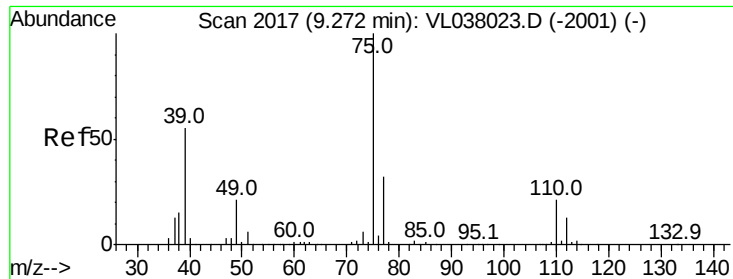
Tgt Ion: 69 Resp: 910838
Ion Ratio Lower Upper
69 100
41 145.9 116.6 174.8
100 34.1 27.0 40.6



#44
2,2,4-Trimethylpentane
Concen: 8.667 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

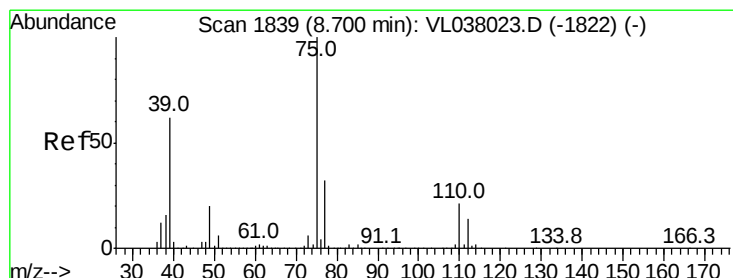
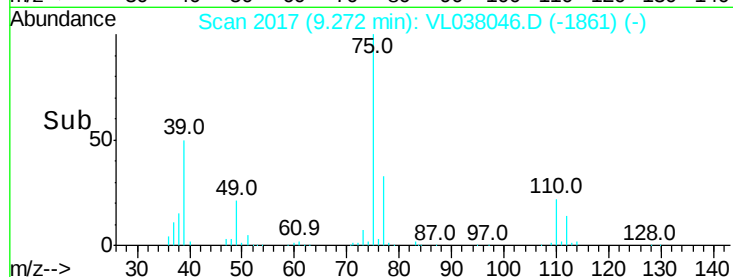
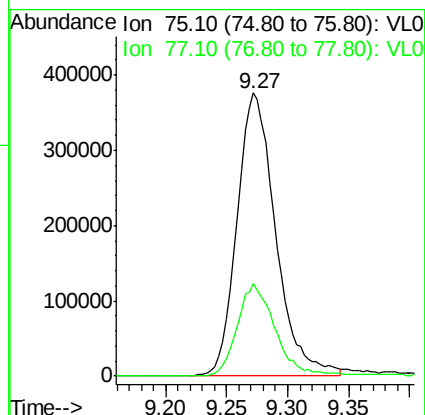
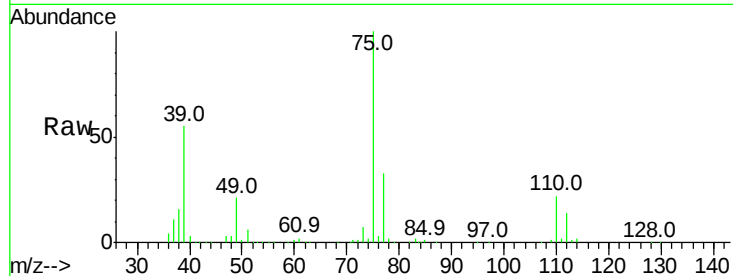
Tgt Ion: 57 Resp: 4011993
Ion Ratio Lower Upper
57 100
41 32.2 26.2 39.2
56 32.0 25.5 38.3





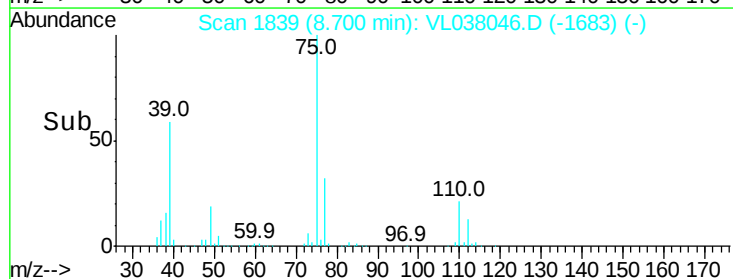
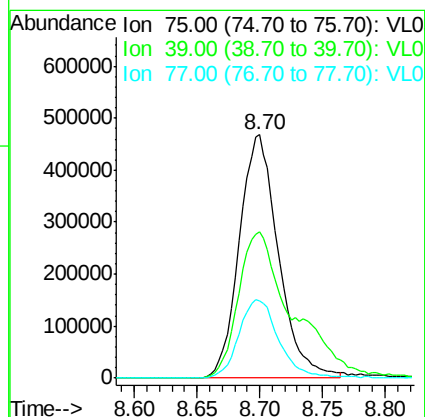
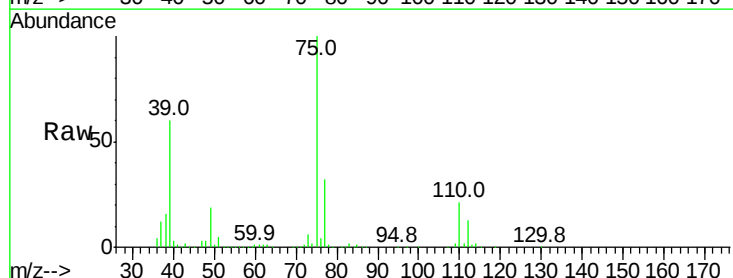
#45
t-1,3-Dichloropropene
Concen: 10.348 ppbv
RT: 9.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDICCC010
Acq: 18 Nov 2021 8:47

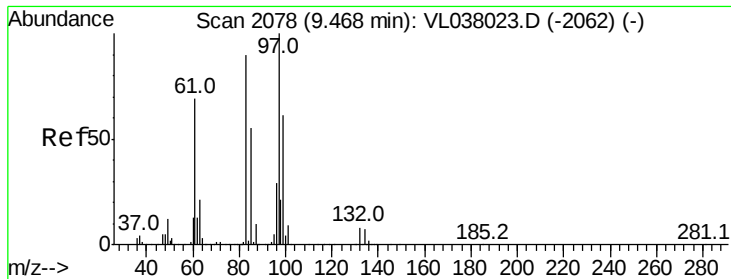
Tgt Ion: 75 Resp: 823784
Ion Ratio Lower Upper
75 100
77 32.8 25.6 38.4



#46
cis-1,3-Dichloropropene
Concen: 9.793 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

Tgt Ion: 75 Resp: 1018824
Ion Ratio Lower Upper
75 100
39 59.8 49.2 73.8
77 31.9 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.609 ppbv

RT: 9.47 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Nov 2021 8:47 VSTDICCC010

Tgt Ion: 97 Resp: 1016699

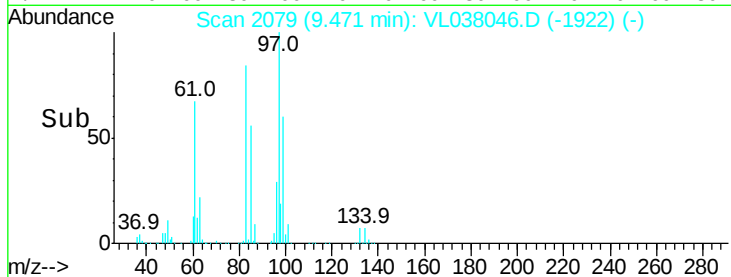
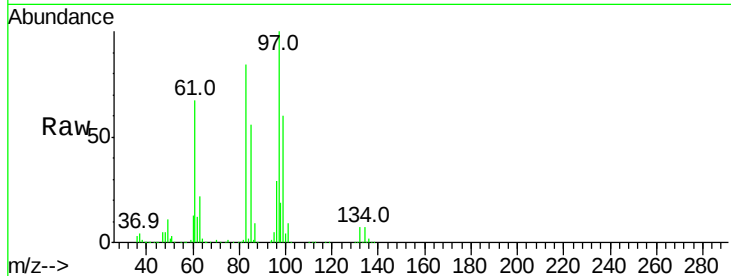
Ion Ratio Lower Upper

97 100

83 83.5 72.2 108.4

85 56.1 43.8 65.8

99 60.0 49.0 73.4

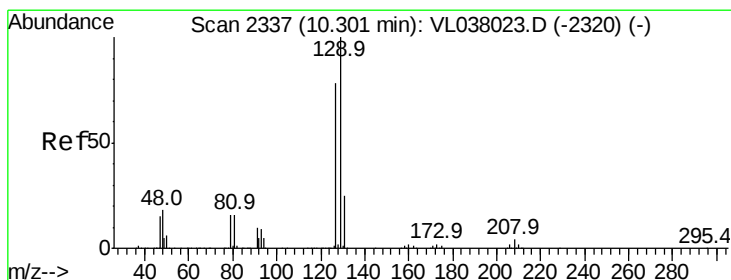
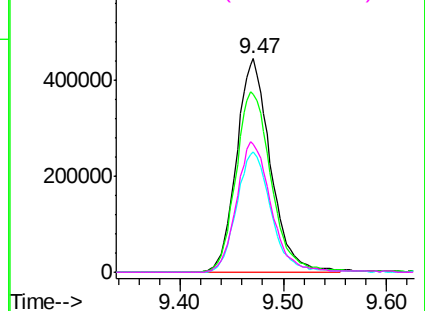


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.596 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VL038046.D

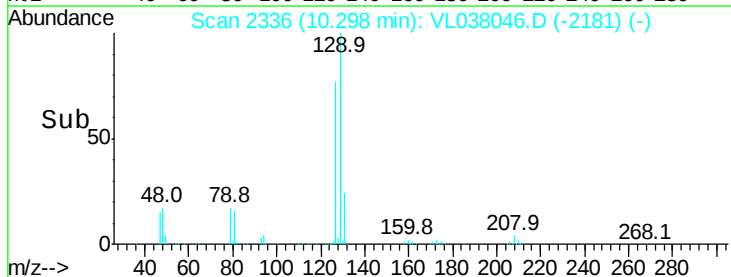
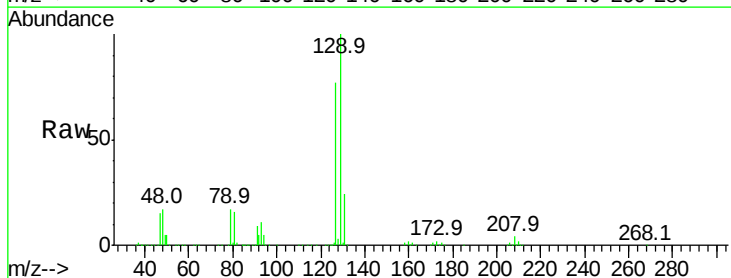
Acq: 18 Nov 2021 8:47

Tgt Ion: 129 Resp: 1650705

Ion Ratio Lower Upper

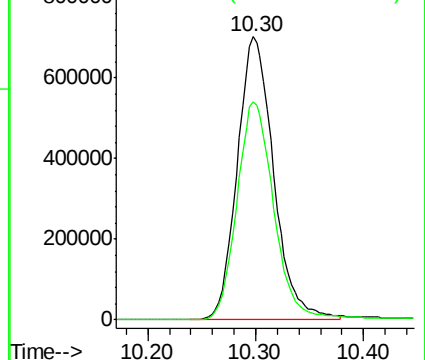
129 100

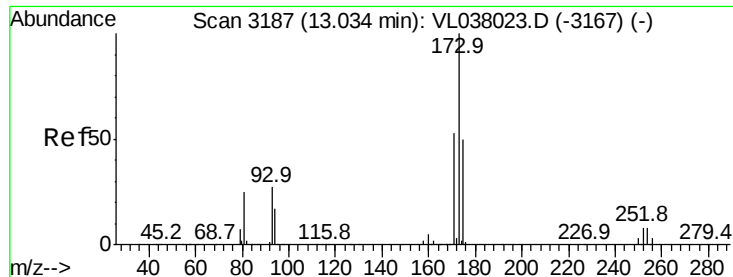
127 78.7 40.1 120.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.941 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 8:47

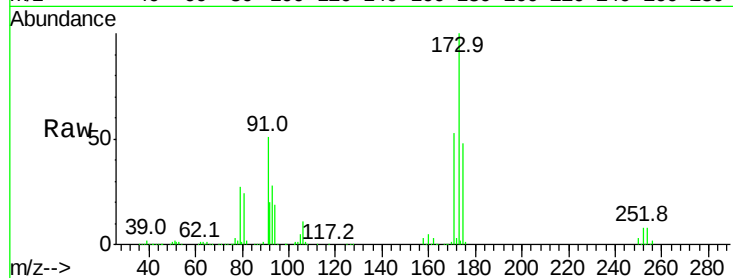
Tgt Ion: 173 Resp: 1186706

Ion Ratio Lower Upper

173 100

175 53.1 41.6 62.4

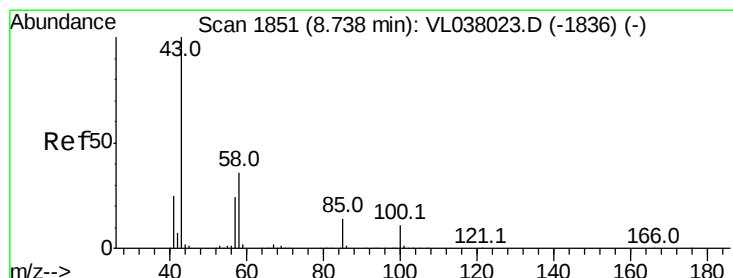
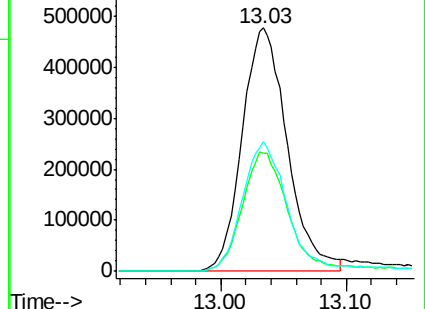
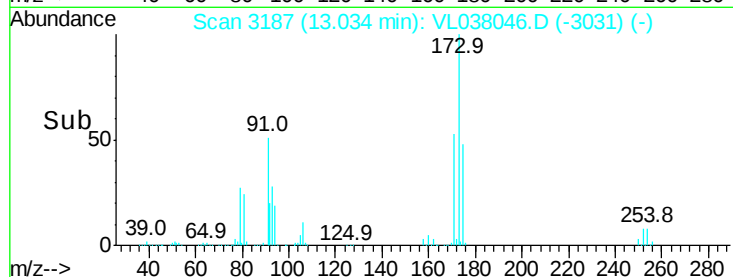
171 55.0 44.4 66.6



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: 9.528 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL038046.D

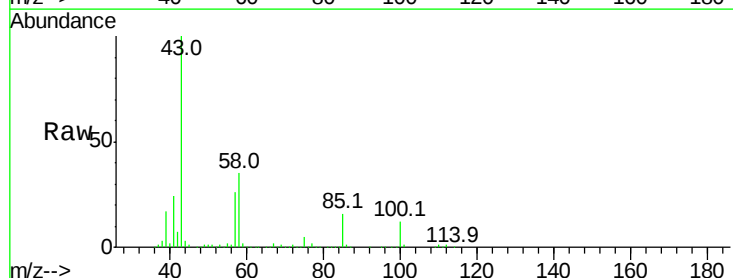
Acq: 18 Nov 2021 8:47

Tgt Ion: 43 Resp: 1605269

Ion Ratio Lower Upper

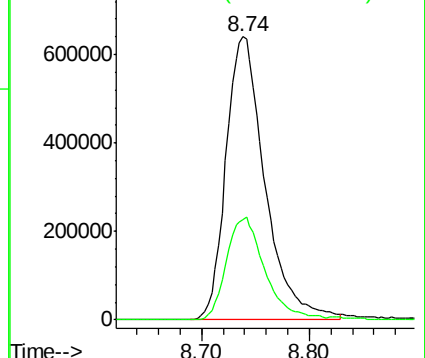
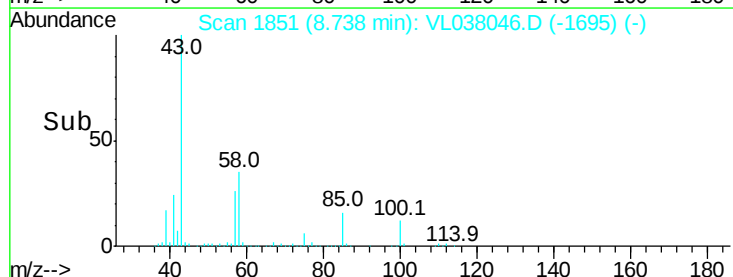
43 100

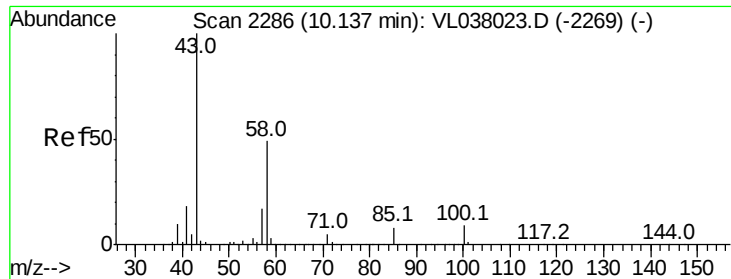
58 36.8 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

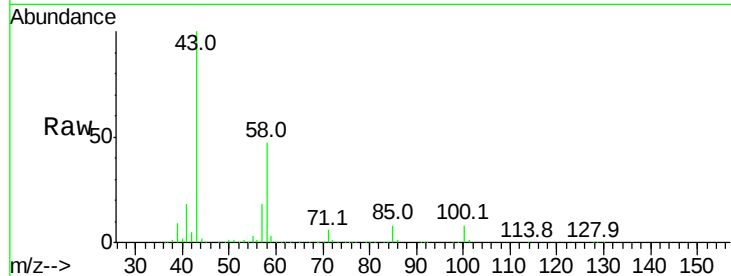
Ion 58.10 (57.80 to 58.80): VL0



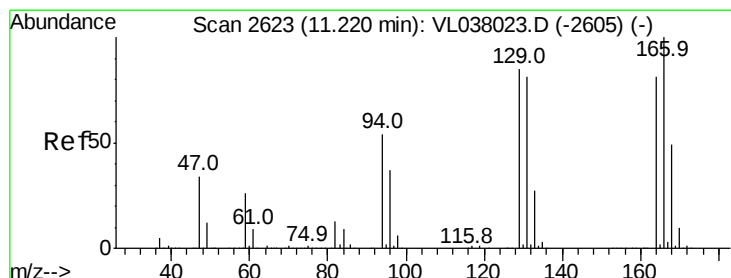
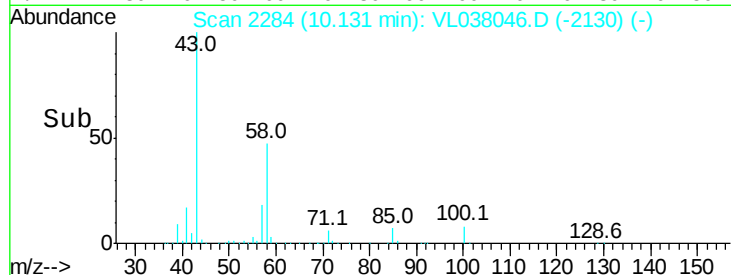
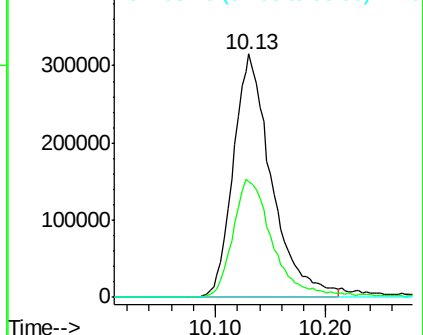


#51
2-Hexanone
Concen: 9.615 ppbv
RT: 10.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDICCC010
Acq: 18 Nov 2021 8:47

Tgt Ion: 43 Resp: 756444
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.0
98 0.1 0.1 0.1

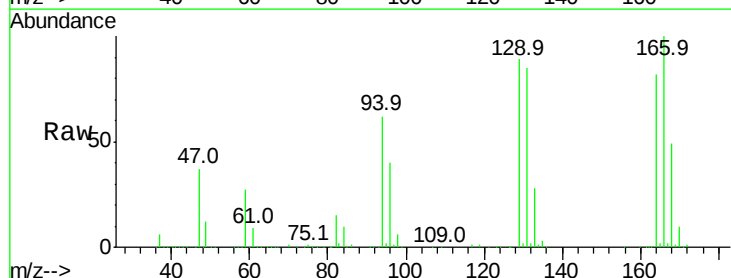


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

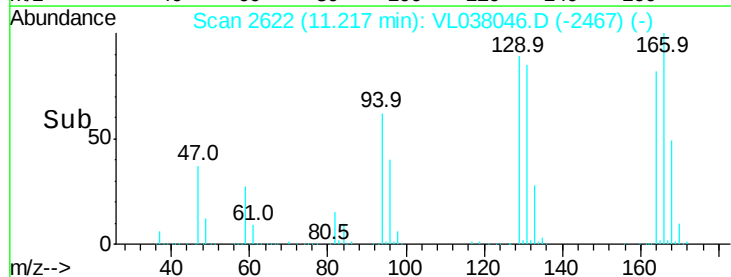
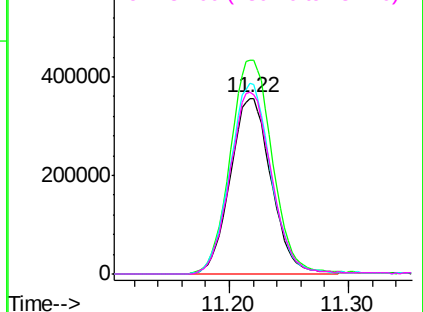


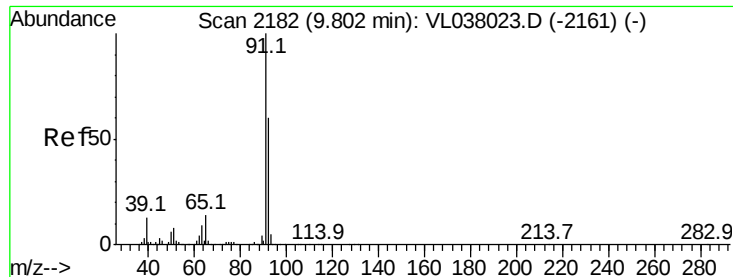
#52
Tetrachloroethene
Concen: 8.291 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

Tgt Ion: 164 Resp: 843423
Ion Ratio Lower Upper
164 100
166 121.5 98.6 148.0
129 108.6 84.1 126.1
131 103.5 79.8 119.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.121 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

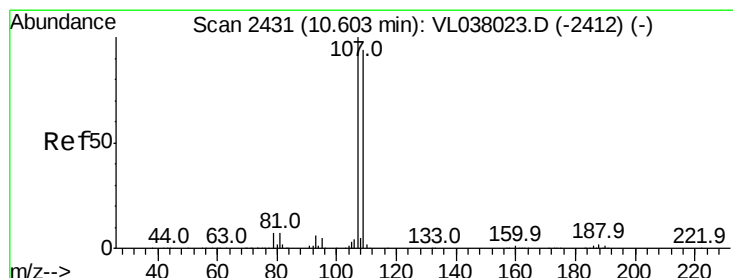
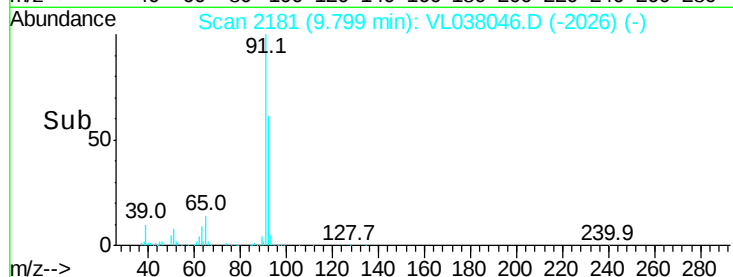
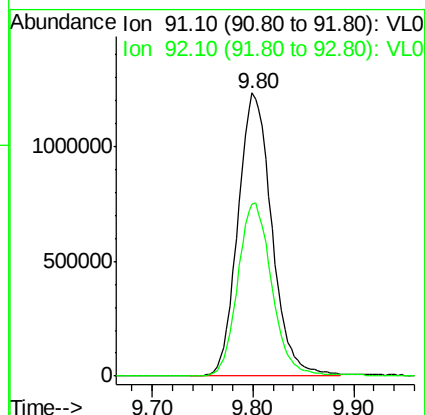
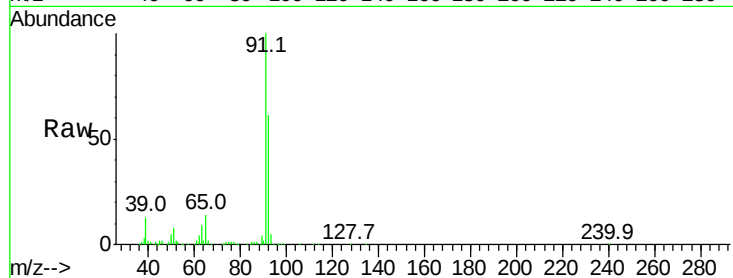
Acq: 18 Nov 2021 8:47 VSTDICCC010

Tgt Ion: 91 Resp: 2874221

Ion Ratio Lower Upper

91 100

92 62.1 49.5 74.3



#54

1,2-Dibromoethane

Concen: 9.854 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038046.D

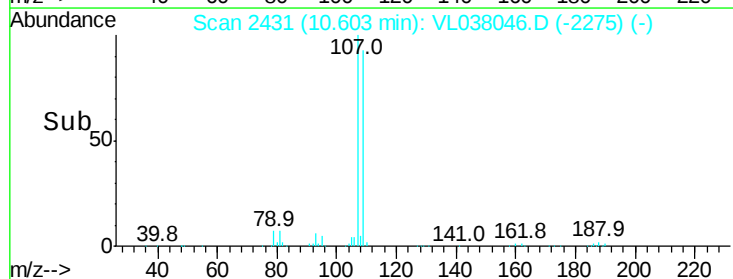
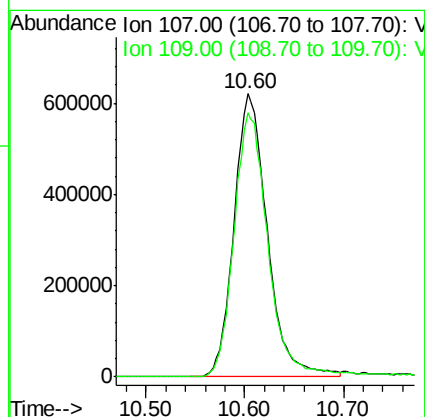
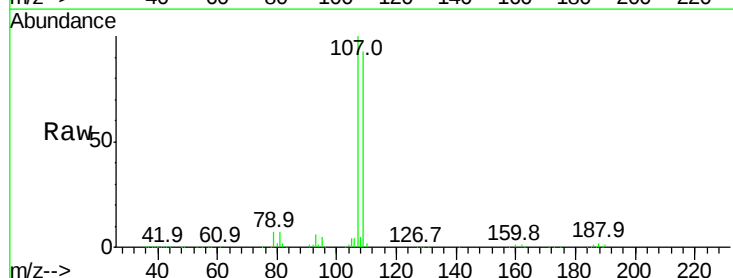
Acq: 18 Nov 2021 8:47

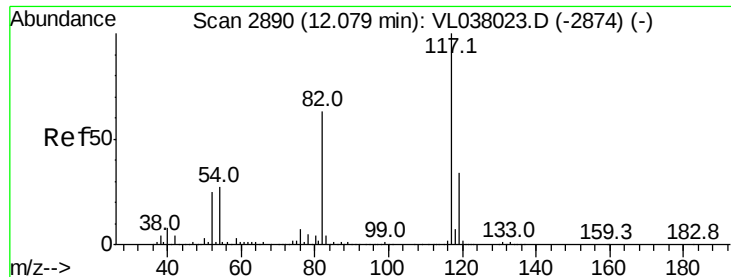
Tgt Ion: 107 Resp: 1460738

Ion Ratio Lower Upper

107 100

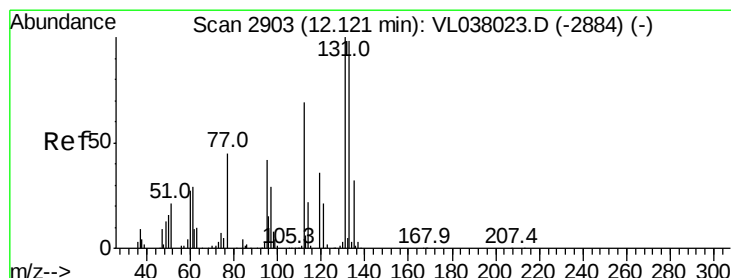
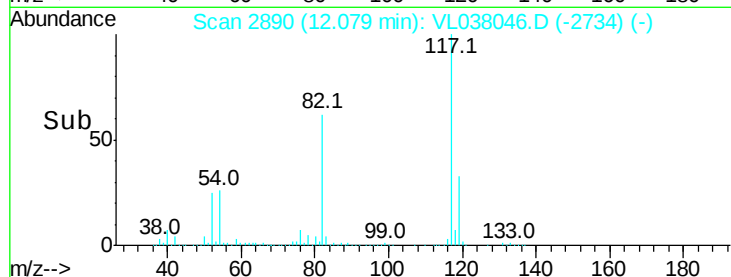
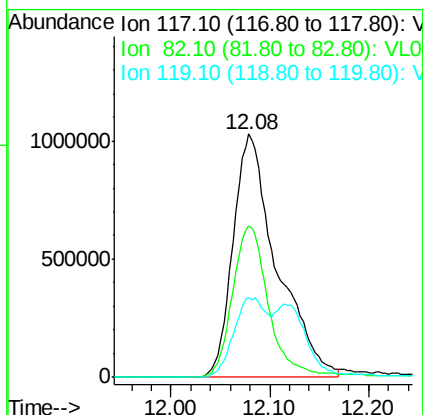
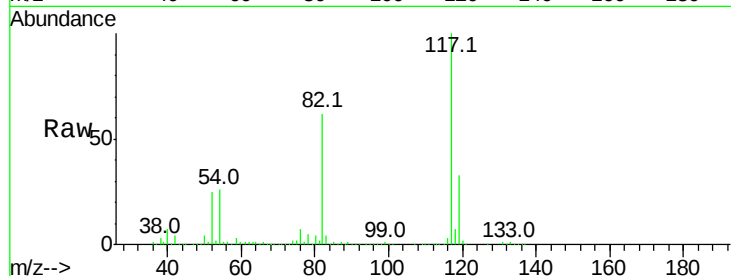
109 93.2 75.0 112.6





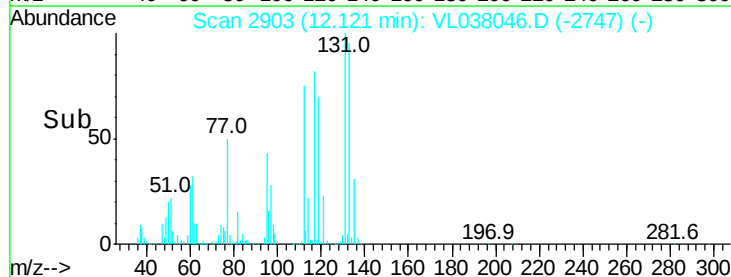
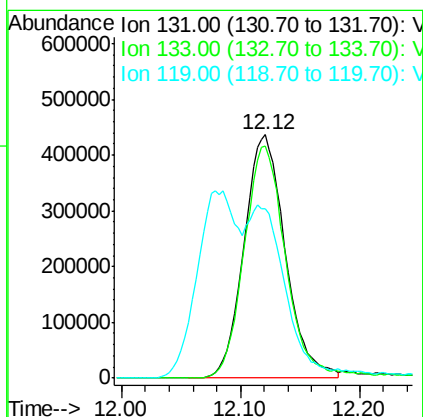
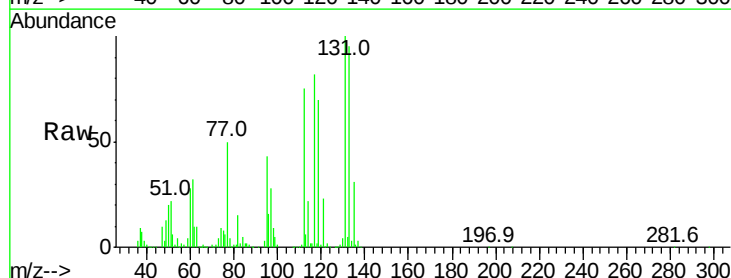
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDICCC010
Acq: 18 Nov 2021 8:47

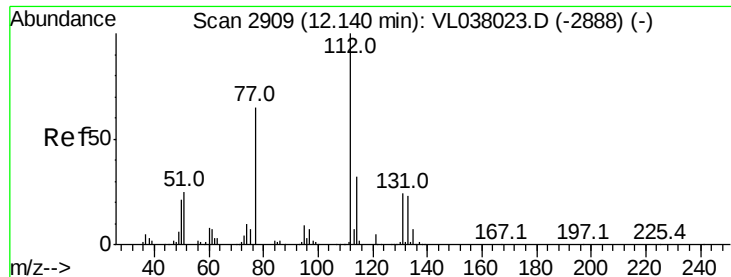
Tgt Ion:117 Resp: 3164534
Ion Ratio Lower Upper
117 100
82 53.0 50.0 75.0
119 26.9 44.6 67.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.572 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

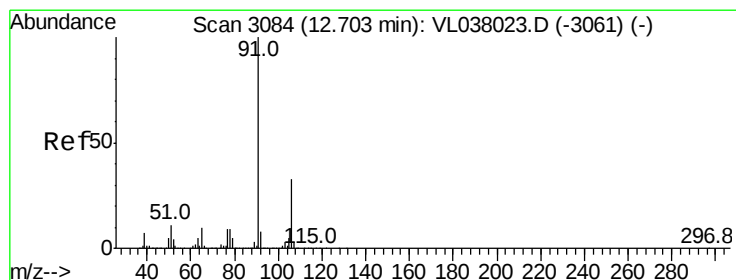
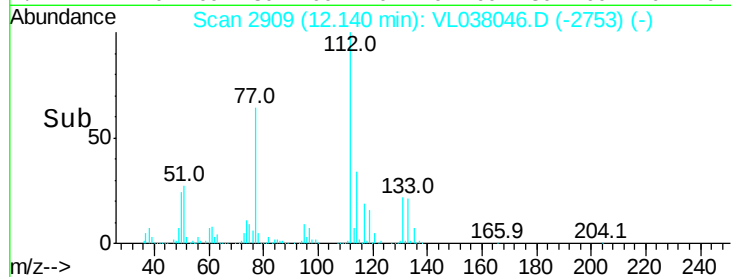
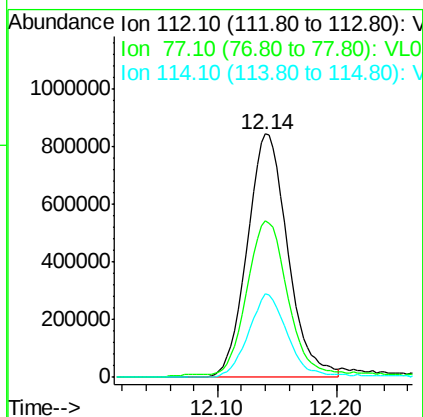
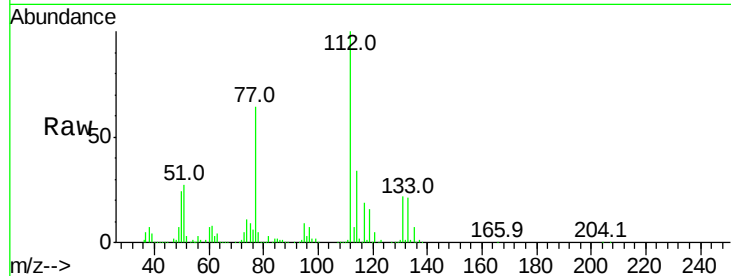
Tgt Ion:131 Resp: 1046190
Ion Ratio Lower Upper
131 100
133 98.5 79.4 119.2
119 70.4 122.4 183.6#





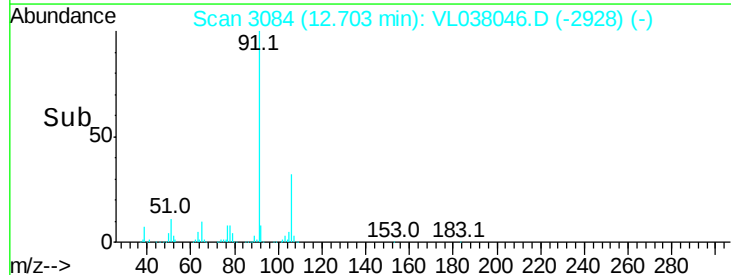
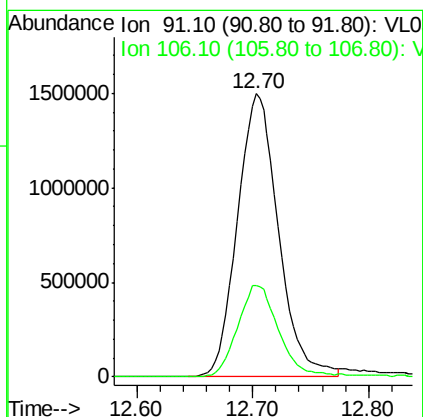
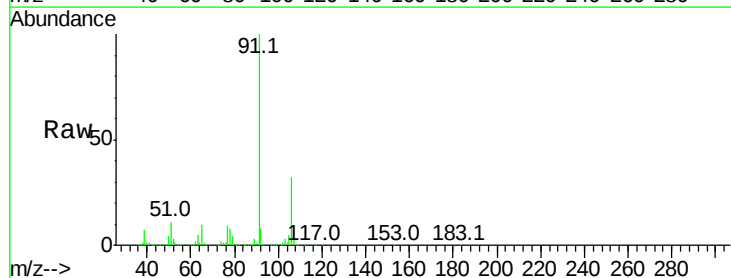
#57
Chlorobenzene
Concen: 7.693 ppbv
RT: 12.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDICCC010
Acq: 18 Nov 2021 8:47

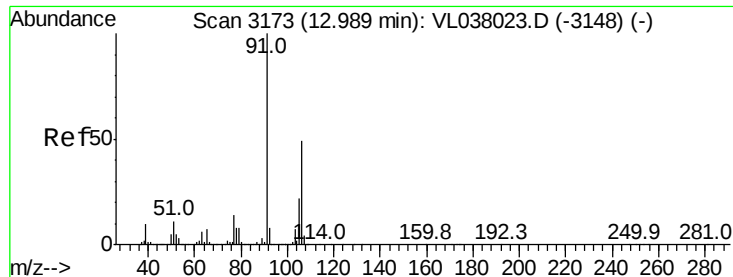
Tgt Ion: 112 Resp: 1996179
Ion Ratio Lower Upper
112 100
77 62.9 52.1 78.1
114 34.1 29.1 35.5



#58
Ethyl Benzene
Concen: 7.627 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

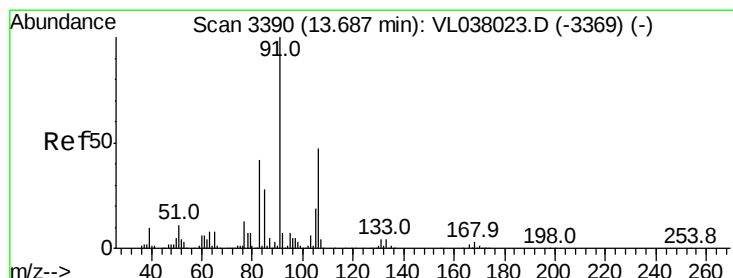
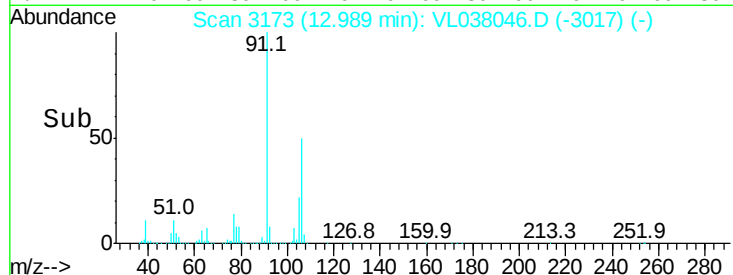
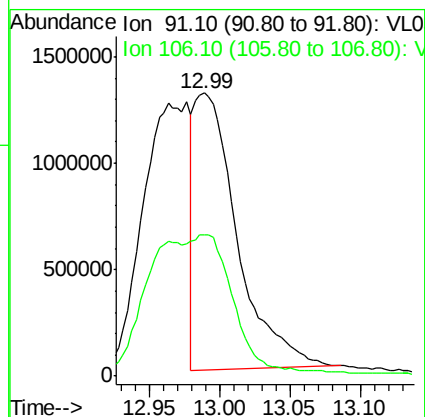
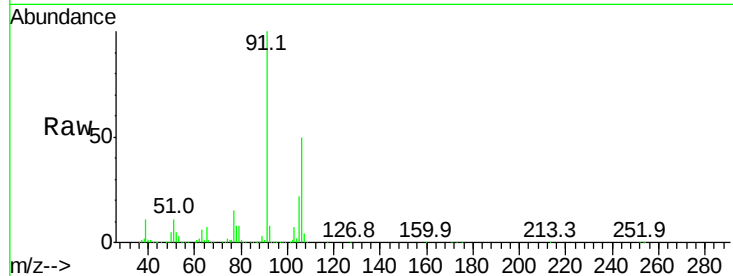
Tgt Ion: 91 Resp: 3666010
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.2





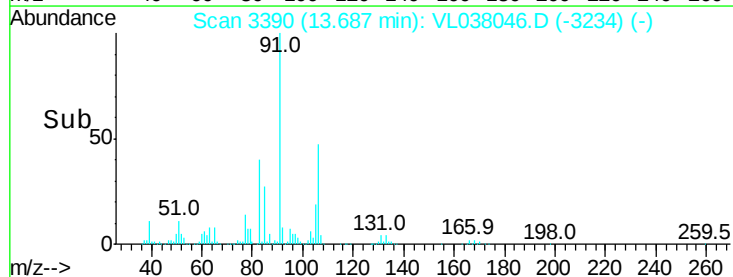
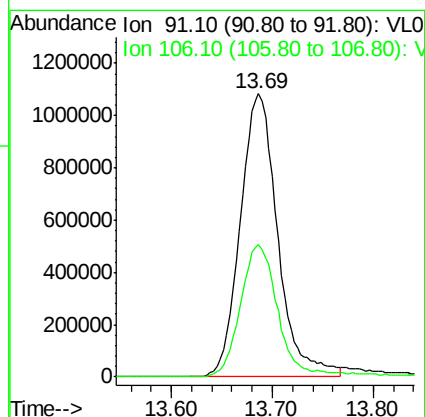
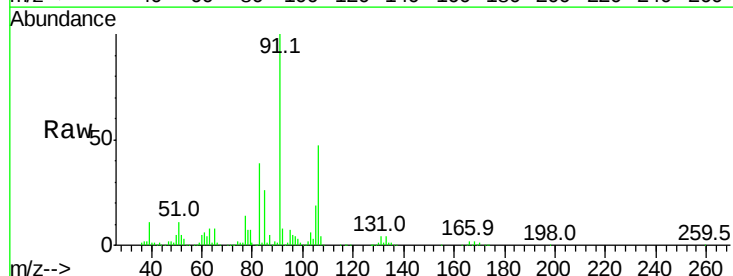
#59
m/p-Xylene
Concen: 6.849 ppbv
RT: 12.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 8:47

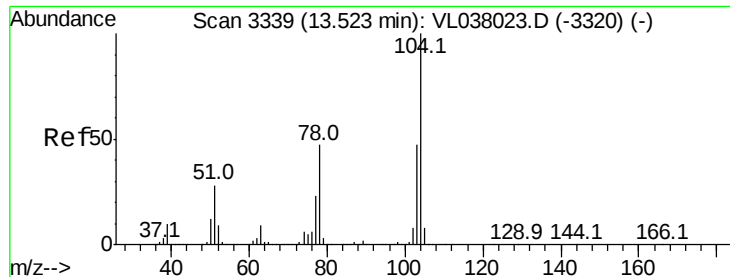
Tgt Ion: 91 Resp: 2735564
Ion Ratio Lower Upper
91 100
106 105.5 38.5 57.7#



#60
o-Xylene
Concen: 7.520 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

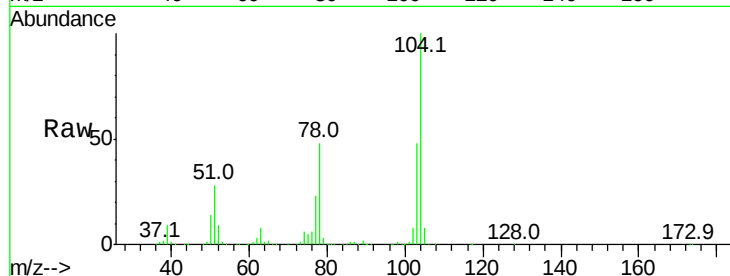
Tgt Ion: 91 Resp: 2787932
Ion Ratio Lower Upper
91 100
106 48.4 24.4 73.2



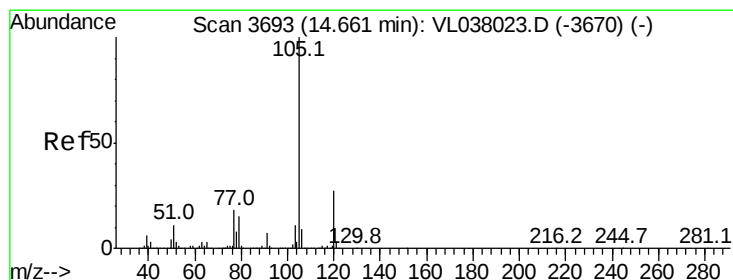
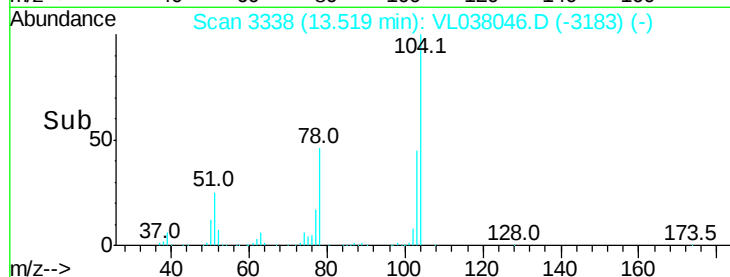
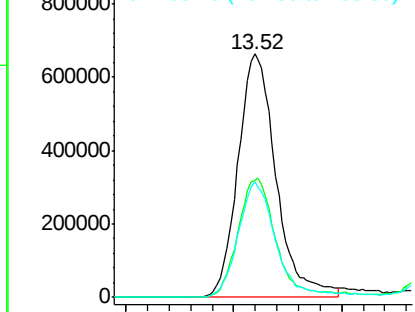


#61
Styrene
Concen: 7.899 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDICCC010
Acq: 18 Nov 2021 8:47

Tgt Ion:104 Resp: 1632951
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 47.7 36.7 55.1

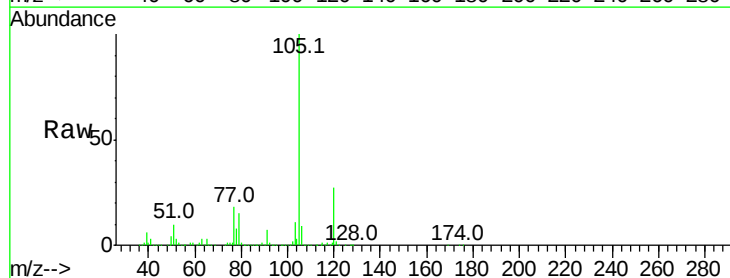


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V

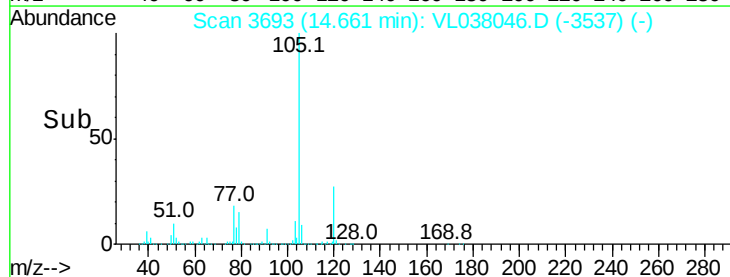
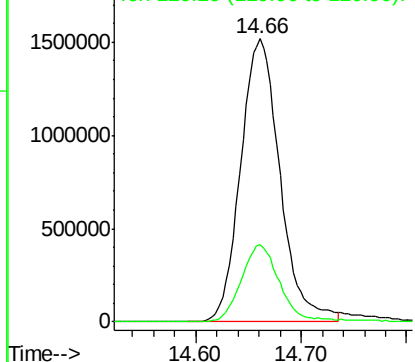


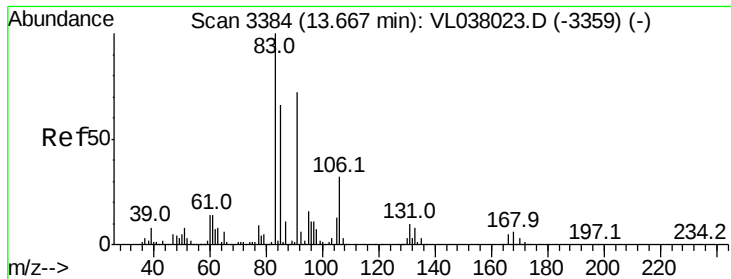
#62
Isopropylbenzene
Concen: 7.363 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

Tgt Ion:105 Resp: 3946371
Ion Ratio Lower Upper
105 100
120 27.2 21.7 32.5



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: 7.017 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 8:47

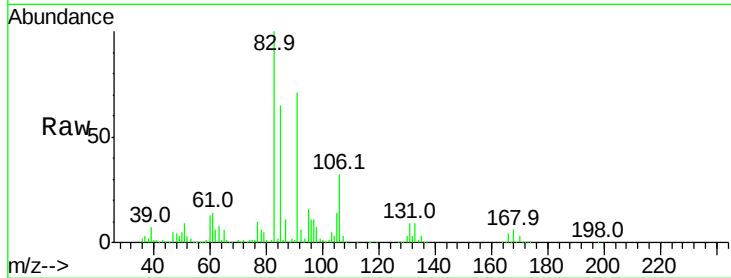
Tgt Ion: 83 Resp: 1945006

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

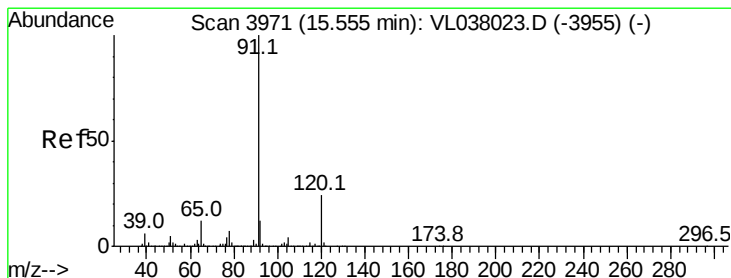
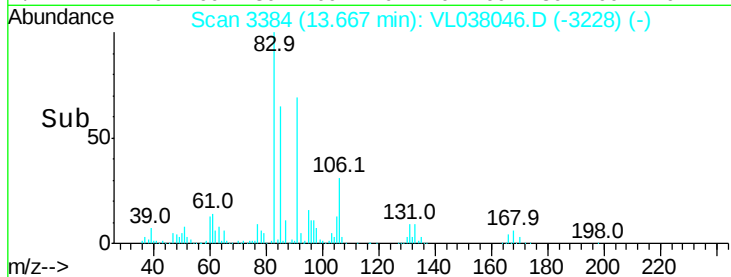
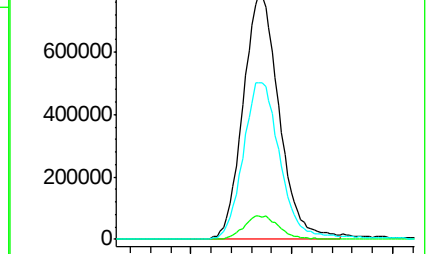
85 66.7 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.617 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL038046.D

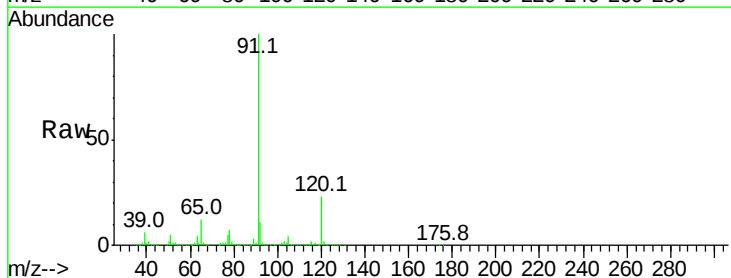
Acq: 18 Nov 2021 8:47

Tgt Ion: 120 Resp: 1040798

Ion Ratio Lower Upper

120 100

91 464.6 366.7 550.1



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

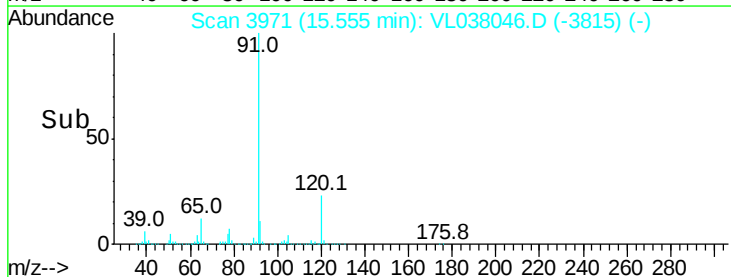
Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

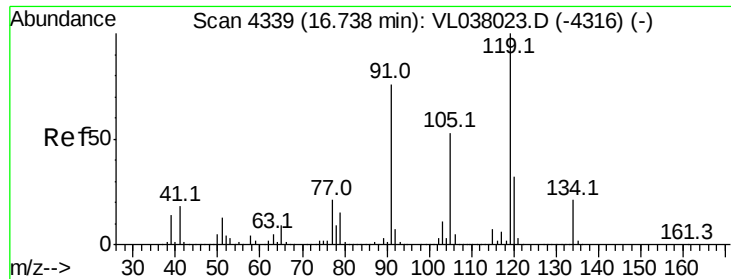
Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 120.20 (119.90 to 120.90): VL0



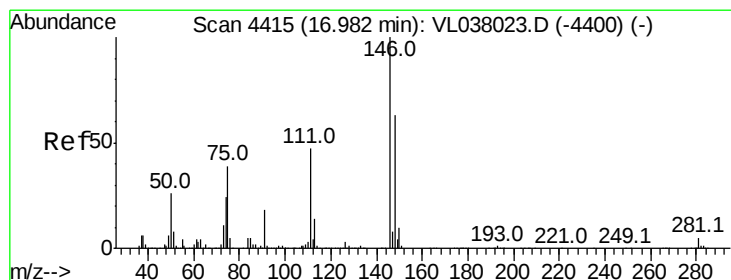
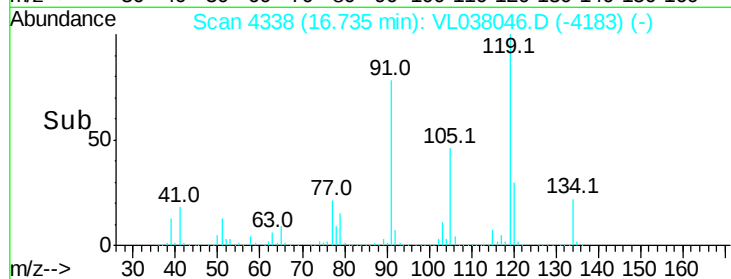
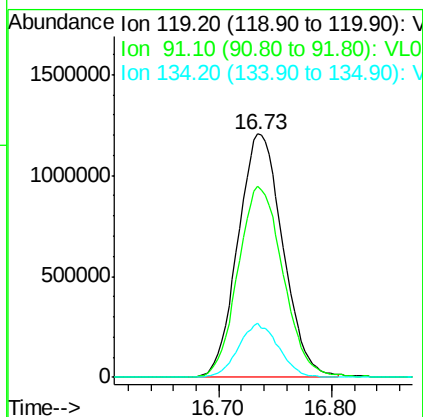
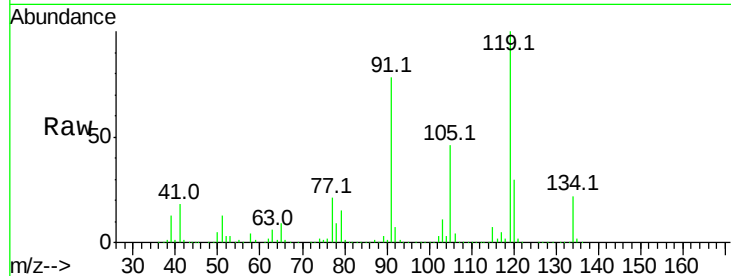
Time-->



#65
 tert-Butylbenzene
 Concen: 7.070 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDICCC010
 Acq: 18 Nov 2021 8:47

Tgt Ion: 119 Resp: 3325142

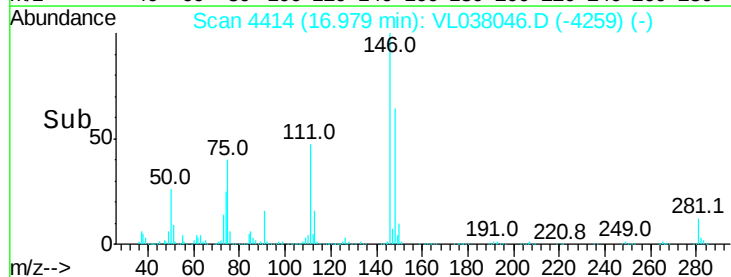
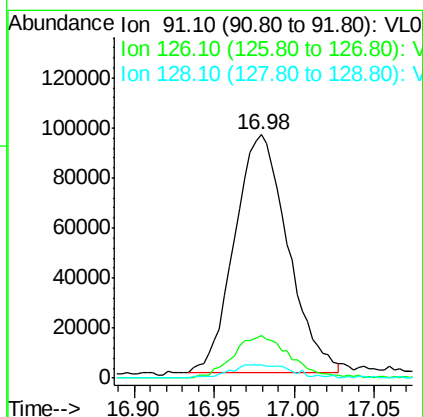
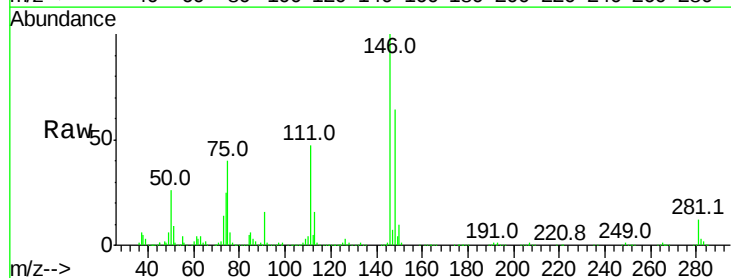
Ion	Ratio	Lower	Upper
119	100		
91	79.0	62.6	94.0
134	20.1	16.1	24.1

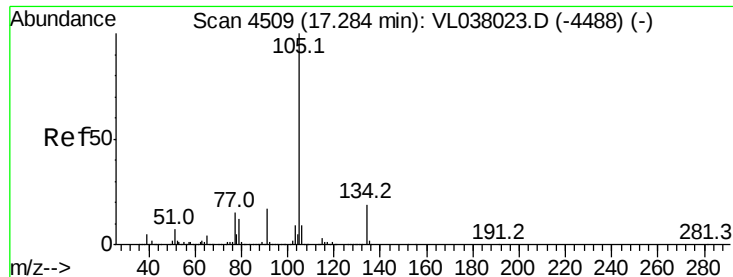


#66
 Benzyl Chloride
 Concen: 6.625 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T.: -0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

Tgt Ion: 91 Resp: 217594

Ion	Ratio	Lower	Upper
91	100		
126	19.4	16.4	24.6
128	7.0	5.6	8.4





#67

sec-Butylbenzene

Concen: 7.253 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

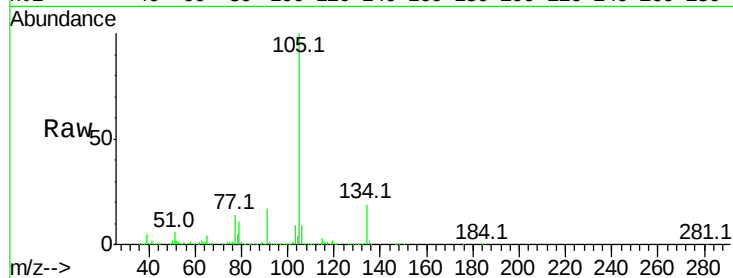
Acq: 18 Nov 2021 8:47

Tgt Ion: 105 Resp: 4712593

Ion Ratio Lower Upper

105 100

134 18.4 15.3 22.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.29

2000000

1500000

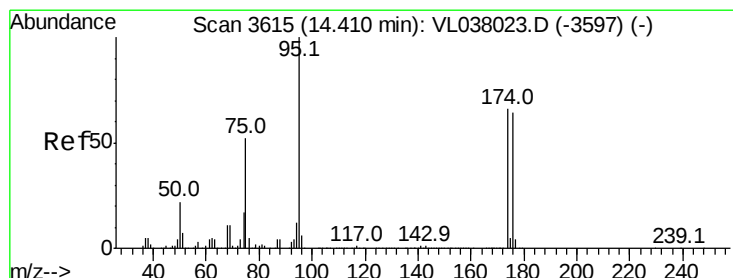
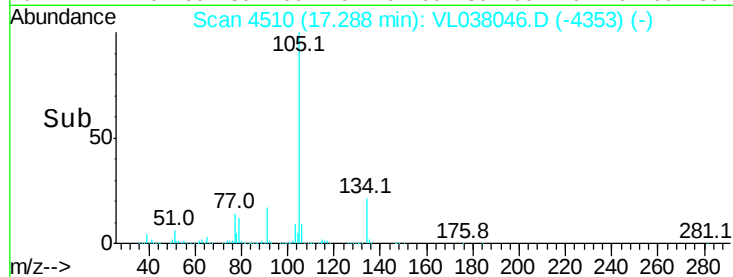
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 8.065 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

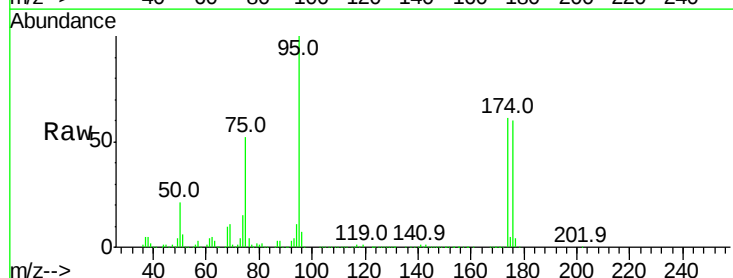
Tgt Ion: 95 Resp: 1844041

Ion Ratio Lower Upper

95 100

174 66.4 55.0 82.6

175 5.0 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

1000000

800000

600000

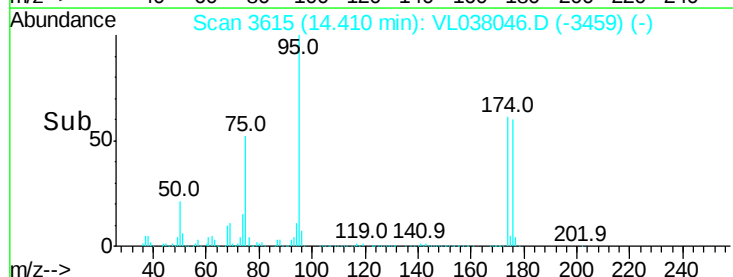
400000

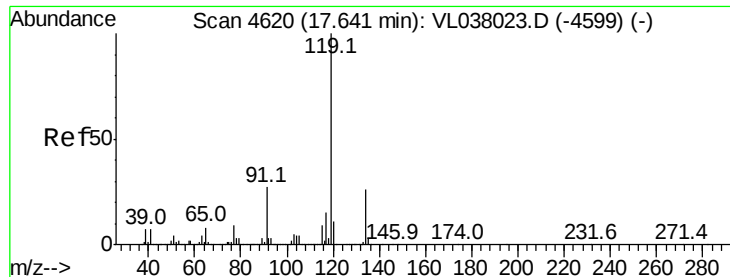
200000

0

Time-->

14.30 14.40 14.50





#69

p-Isopropyltoluene

Concen: 7.278 ppbv

RT: 17.64 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 8:47

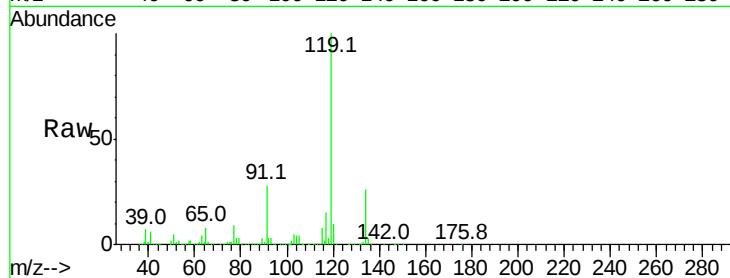
Tgt Ion: 119 Resp: 3812086

Ion Ratio Lower Upper

119 100

134 25.7 21.2 31.8

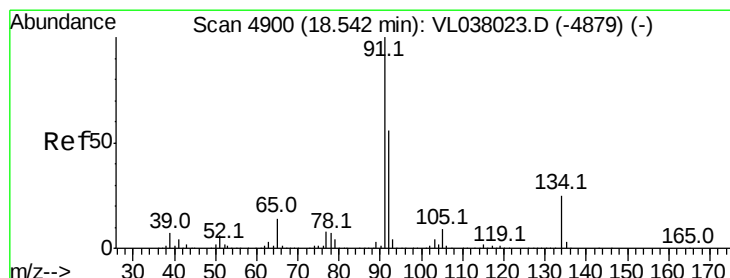
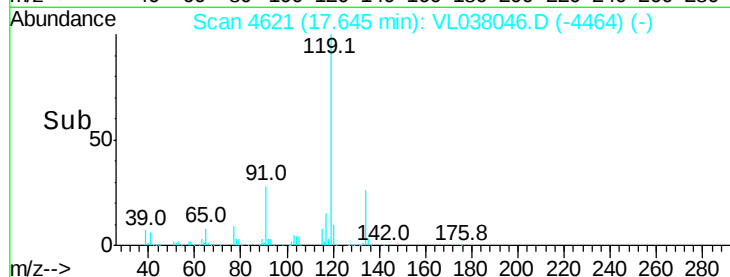
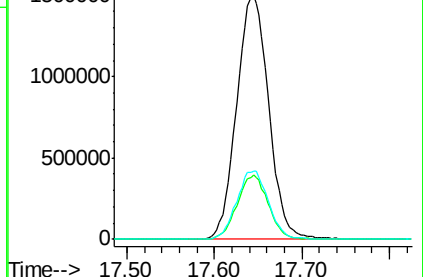
91 27.8 22.2 33.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.604 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

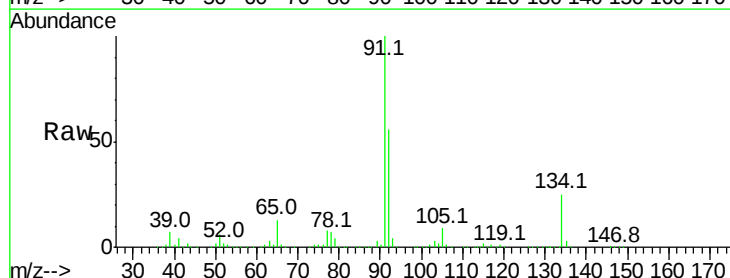
Tgt Ion: 91 Resp: 3651420

Ion Ratio Lower Upper

91 100

92 55.1 44.4 66.6

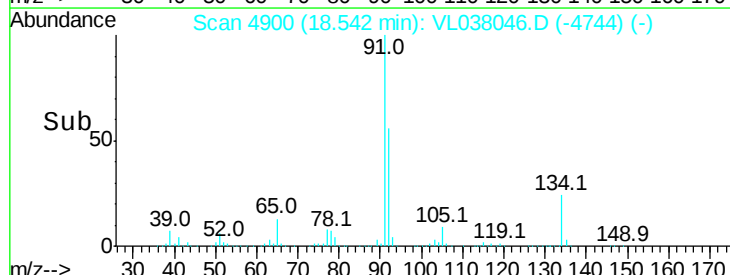
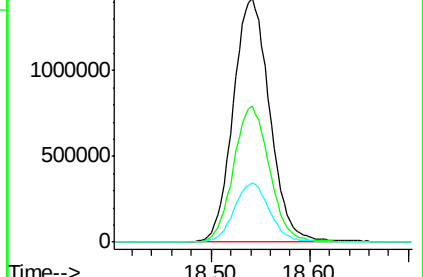
134 23.6 19.7 29.5

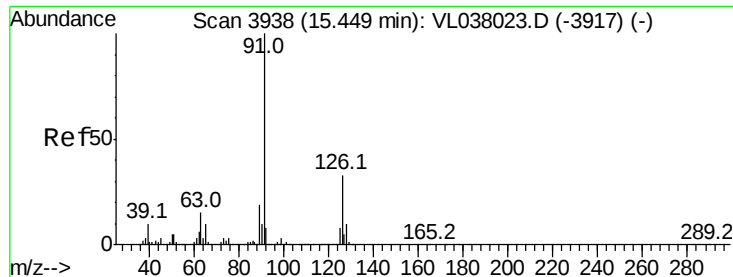


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.522 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

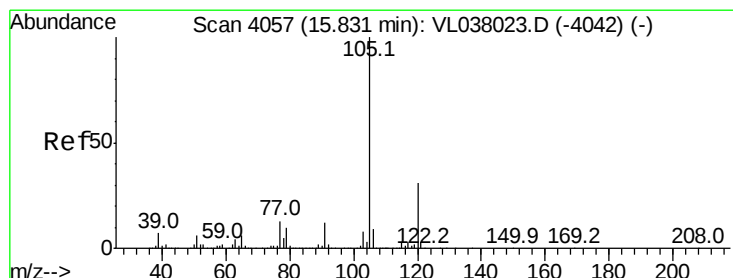
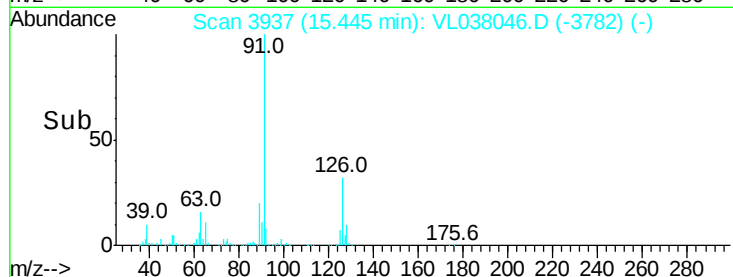
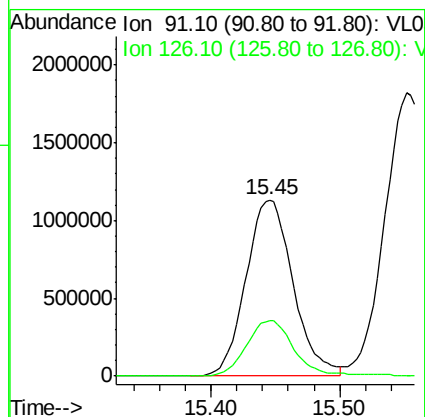
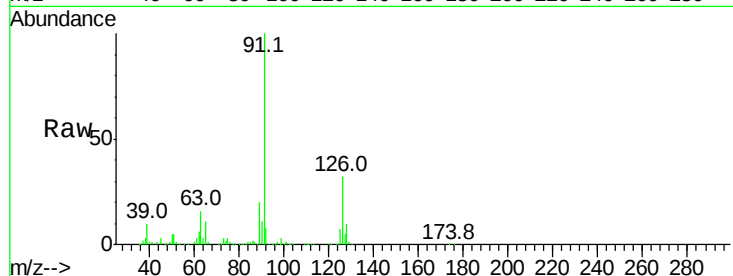
Acq: 18 Nov 2021 8:47

Tgt Ion: 91 Resp: 2885937

Ion Ratio Lower Upper

91 100

126 32.7 13.6 54.2



#72

4-Ethyltoluene

Concen: 7.575 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.00 min

Lab File: VL038046.D

Acq: 18 Nov 2021 8:47

Tgt Ion: 105 Resp: 3348254

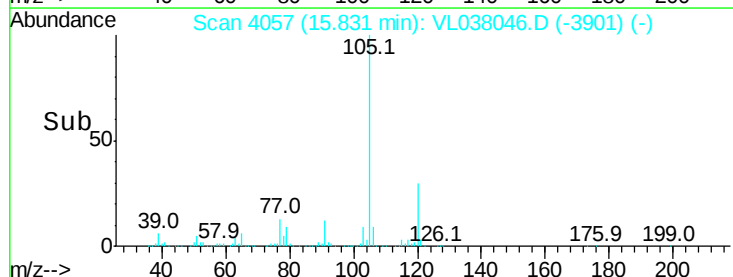
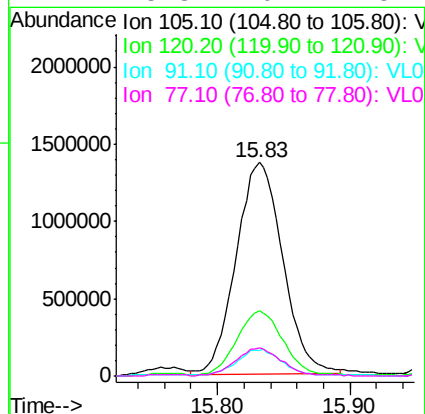
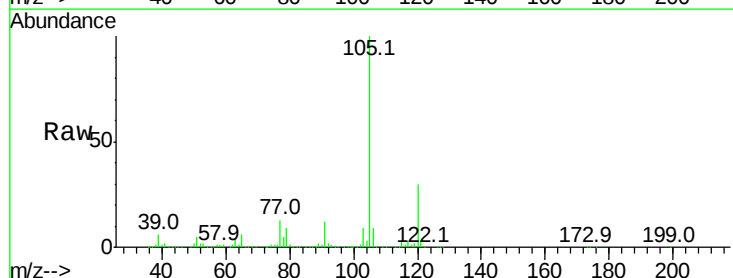
Ion Ratio Lower Upper

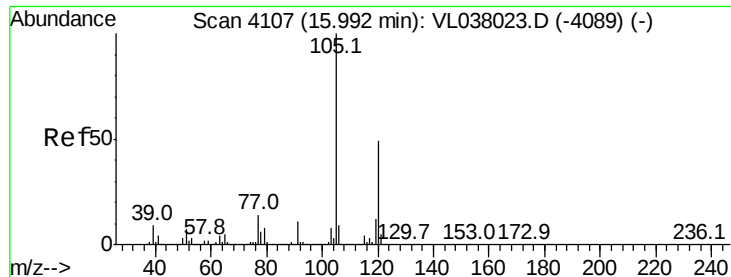
105 100

120 31.4 24.7 37.1

91 12.1 9.3 13.9

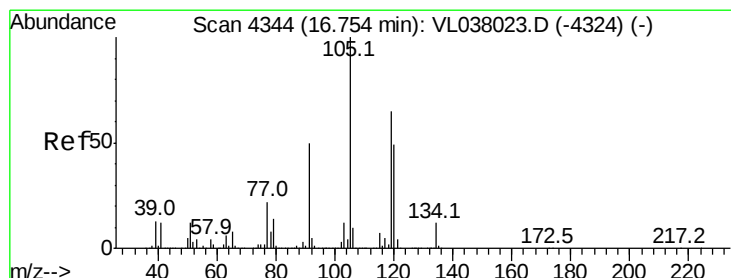
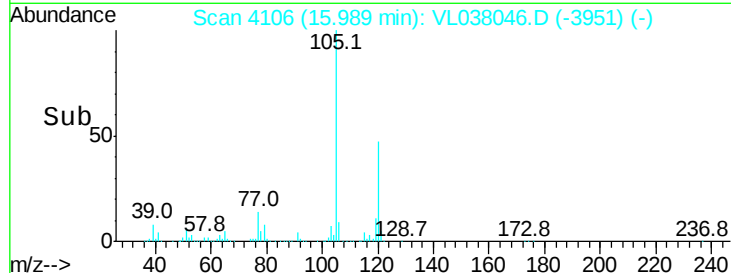
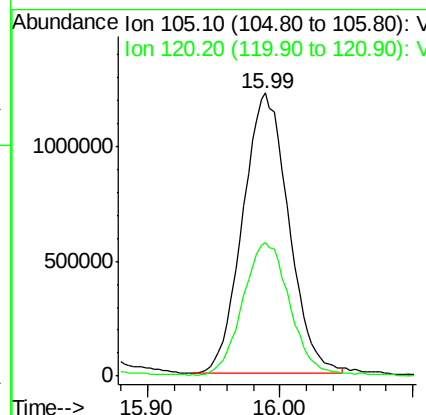
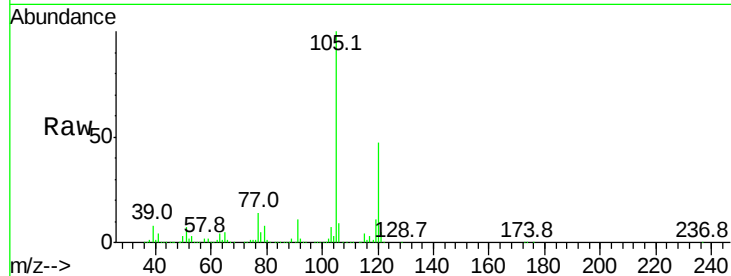
77 13.3 10.2 15.4





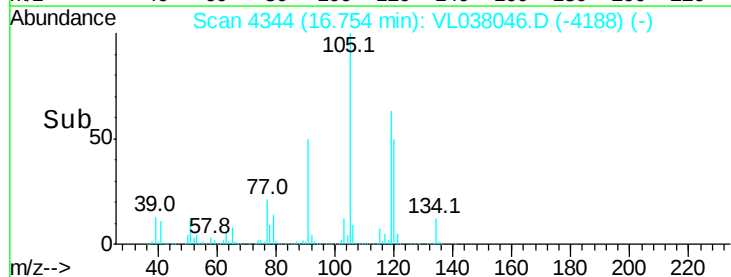
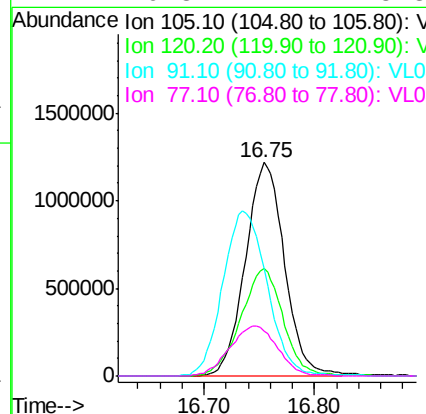
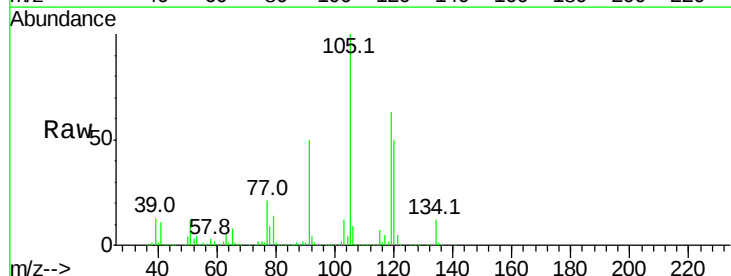
#73
 1,3,5-Trimethylbenzene
 Concen: 7.234 ppbv
 RT: 15.99 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 18 Nov 2021 8:47

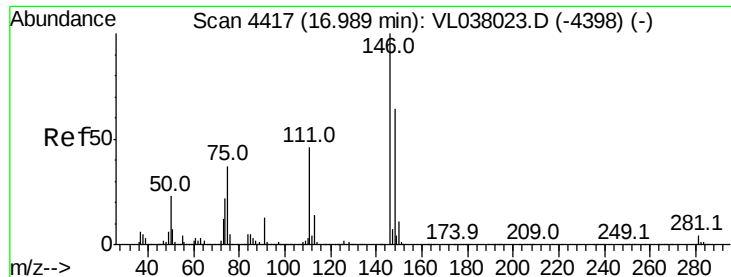
Tgt Ion:105 Resp: 2924827
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.8 58.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.324 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

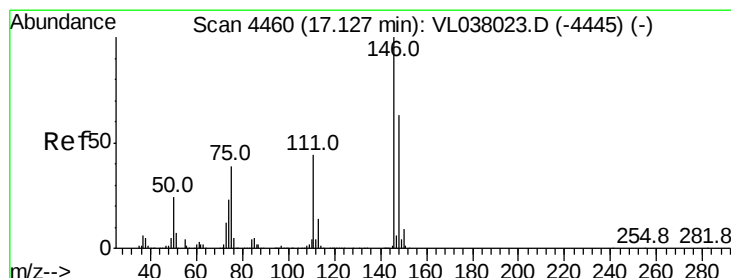
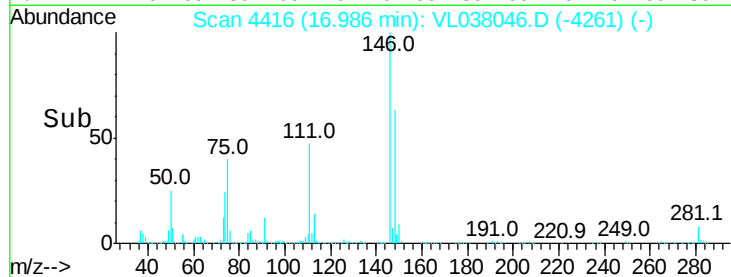
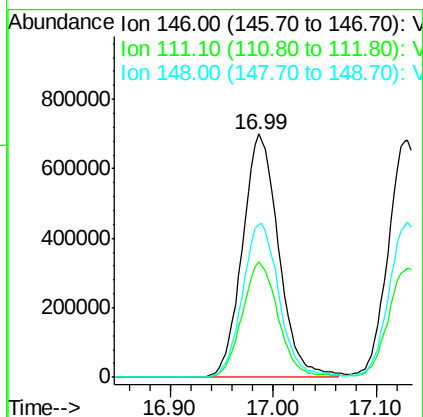
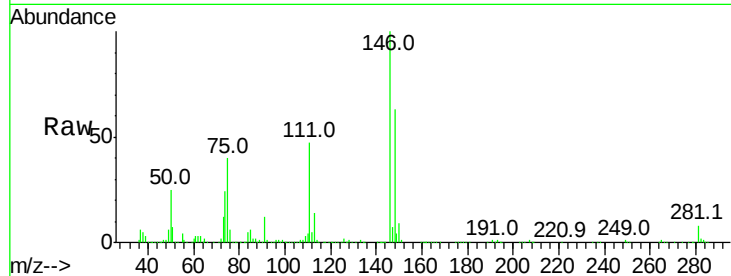
Tgt Ion:105 Resp: 2981269
 Ion Ratio Lower Upper
 105 100
 120 50.1 39.5 59.3
 91 49.8 40.9 61.3
 77 20.8 17.2 25.8





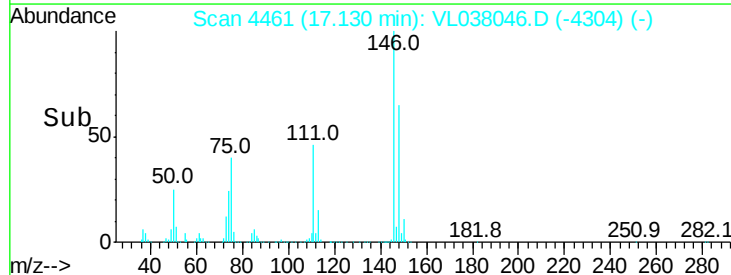
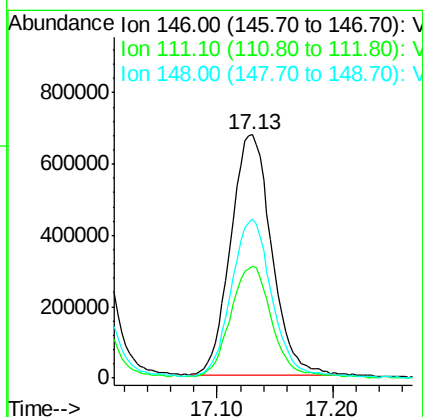
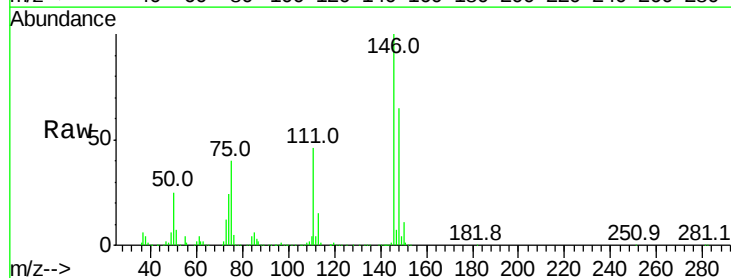
#75
 1,3-Dichlorobenzene
 Concen: 7.615 ppbv
 RT: 16.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDICCC010
 Acq: 18 Nov 2021 8:47

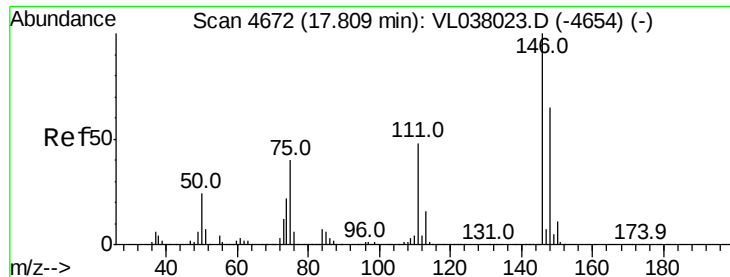
Tgt Ion:146 Resp: 1710726
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.2 69.5
 148 64.2 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.182 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

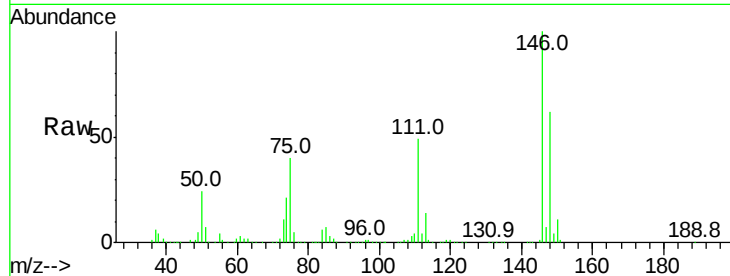
Tgt Ion:146 Resp: 1652938
 Ion Ratio Lower Upper
 146 100
 111 47.7 22.4 67.2
 148 66.4 32.4 97.2



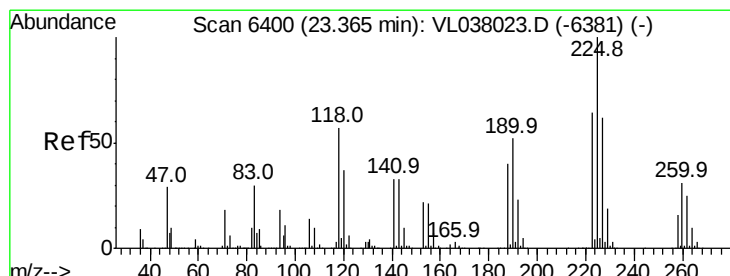
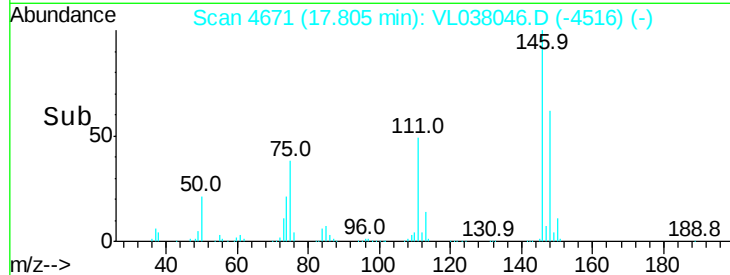
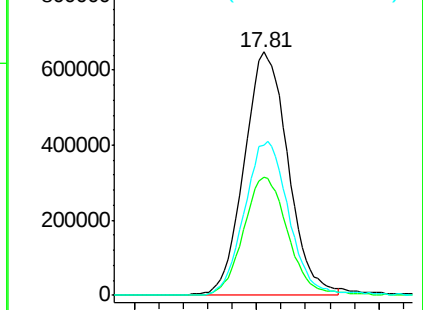


#77
 1,2-Dichlorobenzene
 Concen: 7.439 ppbv
 RT: 17.81 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 18 Nov 2021 8:47

Tgt Ion:146 Resp: 1602584
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.3 73.0
 148 64.6 32.5 97.4

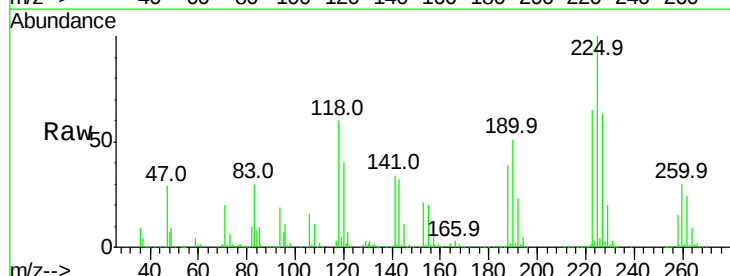


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

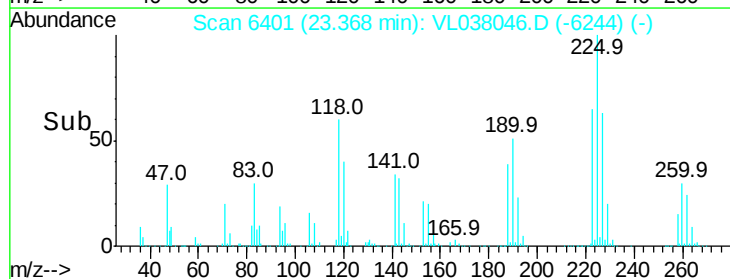
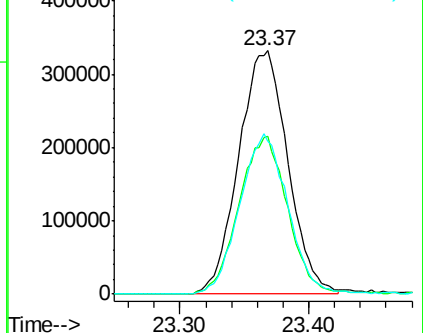


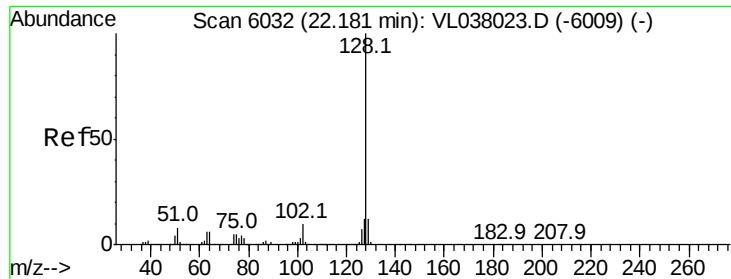
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.261 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.00 min
 Lab File: VL038046.D
 Acq: 18 Nov 2021 8:47

Tgt Ion:225 Resp: 874946
 Ion Ratio Lower Upper
 225 100
 223 65.4 51.0 76.4
 227 65.5 51.4 77.2



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

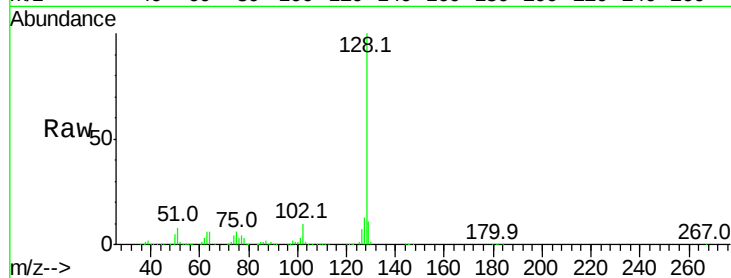




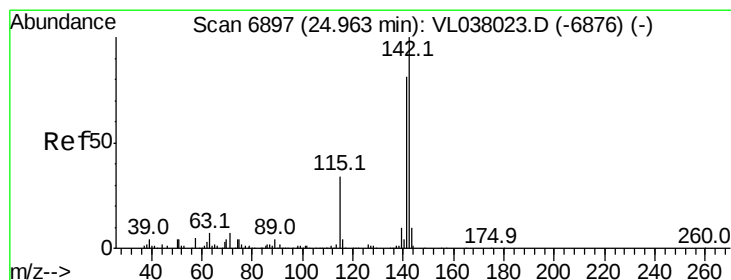
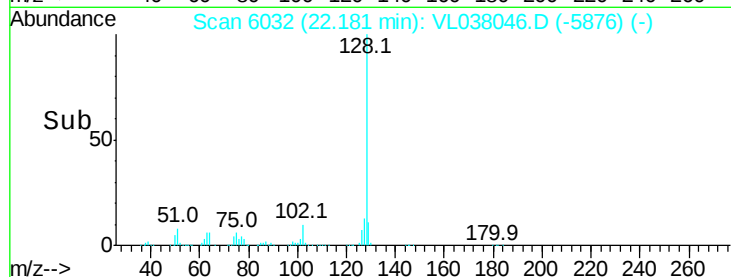
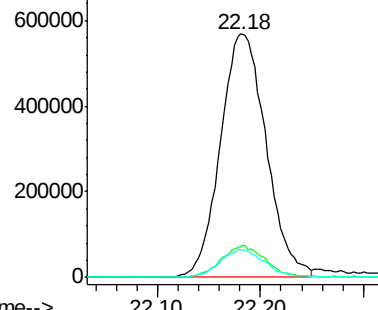
#79
Naphthalene
Concen: 7.847 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDICCC010
Acq: 18 Nov 2021 8:47

Tgt Ion:128 Resp: 1752362

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.6
129	11.1	9.4	14.0



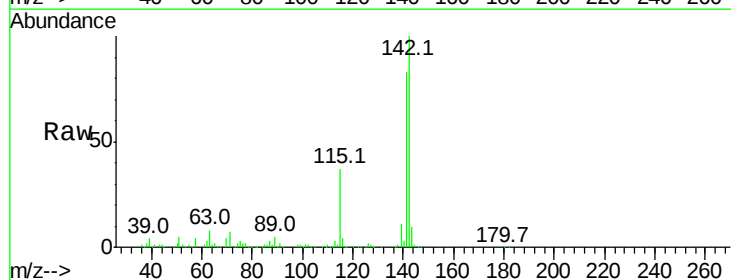
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



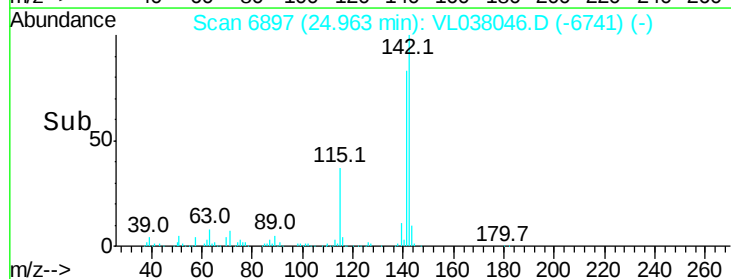
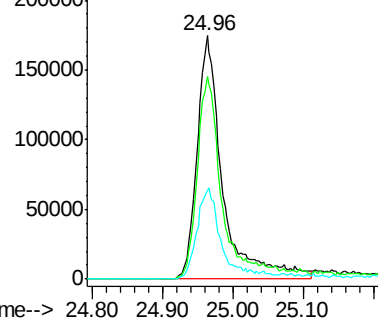
#80
Naphthalene, 2-methyl-
Concen: 10.530 ppbv
RT: 24.96 min Scan# 6897
Delta R.T.: 0.00 min
Lab File: VL038046.D
Acq: 18 Nov 2021 8:47

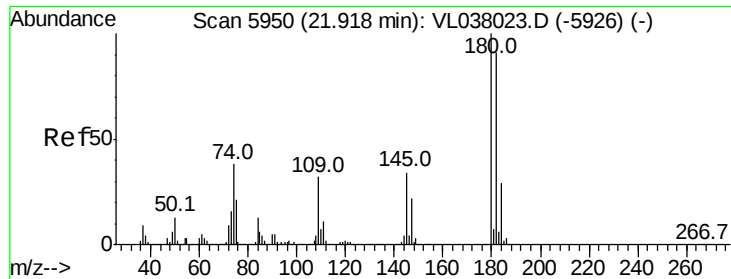
Tgt Ion:142 Resp: 443984

Ion	Ratio	Lower	Upper
142	100		
141	84.1	76.2	114.4
115	36.1	29.2	43.8

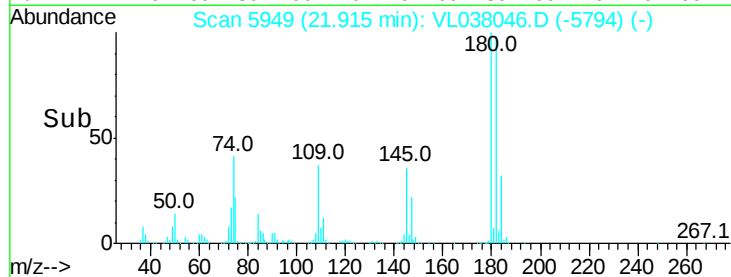
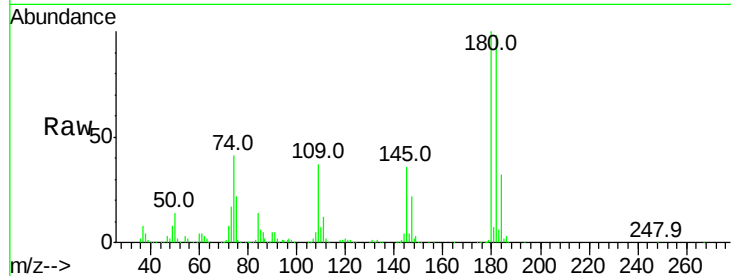


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.561 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 18 Nov 2021 8:47



Tgt Ion:	180	Resp:	954807
Ion Ratio	Lower	Upper	
180	100		
182	96.8	76.2	114.4
184	31.2	24.2	36.2

