

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038032.D
 Acq On : 16 Nov 2021 8:47
 Operator : SY/AP
 Sample : VL1116ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 17 06:39:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	5.66	49	755075	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2820000	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3221239	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1984484	8.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1363620	8.877	ppbv	99
3) Chlorodifluoromethane	2.99	51	1645344	8.382	ppbv	100
4) Chloromethane	3.14	50	585686	8.385	ppbv	100
5) Vinyl Chloride	3.26	62	605796	9.036	ppbv	95
6) Bromomethane	3.47	94	325274	9.077	ppbv	98
7) Chloroethane	3.56	64	207443	8.797	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1375588	8.646	ppbv	99
9) Propene	3.01	41	608665	8.221	ppbv	99
10) Heptane	8.11	43	1530646	8.400	ppbv	100
11) Trichlorofluoromethane	3.95	101	1349846	8.894	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1016709	8.643	ppbv	98
13) Ethanol	3.62	45	57987	8.835	ppbv #	100
14) Bromoethene	3.74	108	428804	8.718	ppbv	97
15) Acetone	3.85	43	704735	7.939	ppbv	98
16) 1,3-Butadiene	3.33	39	558881	8.501	ppbv	98
17) tert-Butyl alcohol	4.29	59	996089	8.354	ppbv	100
18) 1,1-Dichloroethene	4.29	96	470628	8.669	ppbv	99
19) Isopropyl Alcohol	3.96	45	505730	7.779	ppbv	98
20) Methylene Chloride	4.34	84	385974	7.412	ppbv	95
21) Allyl Chloride	4.41	41	763535	8.594	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	502260	9.169	ppbv	99
23) Vinyl Acetate	5.07	43	1247724	8.486	ppbv	99
24) 1,1-Dichloroethane	5.01	63	999723	8.717	ppbv	99
25) Ethyl Acetate	5.67	43	1920885	9.198	ppbv	99
26) Hexane	5.68	57	931428	8.878	ppbv	99
27) Carbon Disulfide	4.55	76	1253919	9.113	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1166334	8.669	ppbv	98
29) Chloroform	5.74	83	1486077	9.404	ppbv	99
30) Cyclohexane	7.12	84	976824	8.268	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	787466	9.066	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	1633864	8.148	ppbv	99
34) 2-Butanone	5.24	43	784911	8.439	ppbv	99
35) Carbon Tetrachloride	7.01	117	1679501	8.616	ppbv	99
36) Benzene	6.88	78	2360661	8.800	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1164507	9.353	ppbv	100
38) Trichloroethene	7.83	130	866445	7.951	ppbv	98
39) 1,2-Dichloropropane	7.60	63	924547	8.916	ppbv	99
40) 1,4-Dioxane	7.83	88	213283	7.976	ppbv #	100
41) Tetrahydrofuran	6.04	42	613347	9.190	ppbv	99
42) Bromodichloromethane	7.78	83	1790695	9.136	ppbv	100
43) Methyl Methacrylate	8.01	69	869739	9.090	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3876939	8.413	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	826578	10.431	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1036176	10.005	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	956428	9.081	ppbv	96
48) Dibromochloromethane	10.29	129	1599004	9.338	ppbv	99
49) Bromoform	13.03	173	1247456	9.441	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1536088	9.158	ppbv	99
51) 2-Hexanone	10.12	43	748104	9.552	ppbv #	97
52) Tetrachloroethene	11.21	164	821011	8.108	ppbv	99
53) Toluene	9.80	91	2769566	8.829	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1399388	9.483	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1032077	7.338	ppbv #	60
57) Chlorobenzene	12.13	112	1936140	7.330	ppbv	99
58) Ethyl Benzene	12.70	91	3628598	7.417	ppbv	99
59) m/p-Xylene	12.98	91	2909241	7.156	ppbv #	29
60) o-Xylene	13.68	91	2682859	7.110	ppbv	100
61) Styrene	13.51	104	1636119	7.775	ppbv	98
62) Isopropylbenzene	14.65	105	3886528	7.123	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1901569	6.740	ppbv	99
64) n-propylbenzene	15.55	120	1052084	7.564	ppbv	95
65) tert-Butylbenzene	16.73	119	3352298	7.002	ppbv	99
66) Benzyl Chloride	16.97	91	311015	9.302	ppbv	98
67) sec-Butylbenzene	17.28	105	4715767	7.130	ppbv	99
69) p-Isopropyltoluene	17.64	119	3893613	7.303	ppbv	99
70) n-Butylbenzene	18.54	91	3776702	7.727	ppbv	100
71) 2-Chlorotoluene	15.44	91	2917021	7.469	ppbv	98
72) 4-Ethyltoluene	15.82	105	3377697	7.507	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3004939	7.301	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3037123	7.329	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	1808008	7.906	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1774789	7.575	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1723749	7.860	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	933118	6.560	ppbv	99
79) Naphthalene	22.18	128	1850256	8.139	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	430858	10.038	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	1003126	7.803	ppbv	98

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

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ClientSampleId :

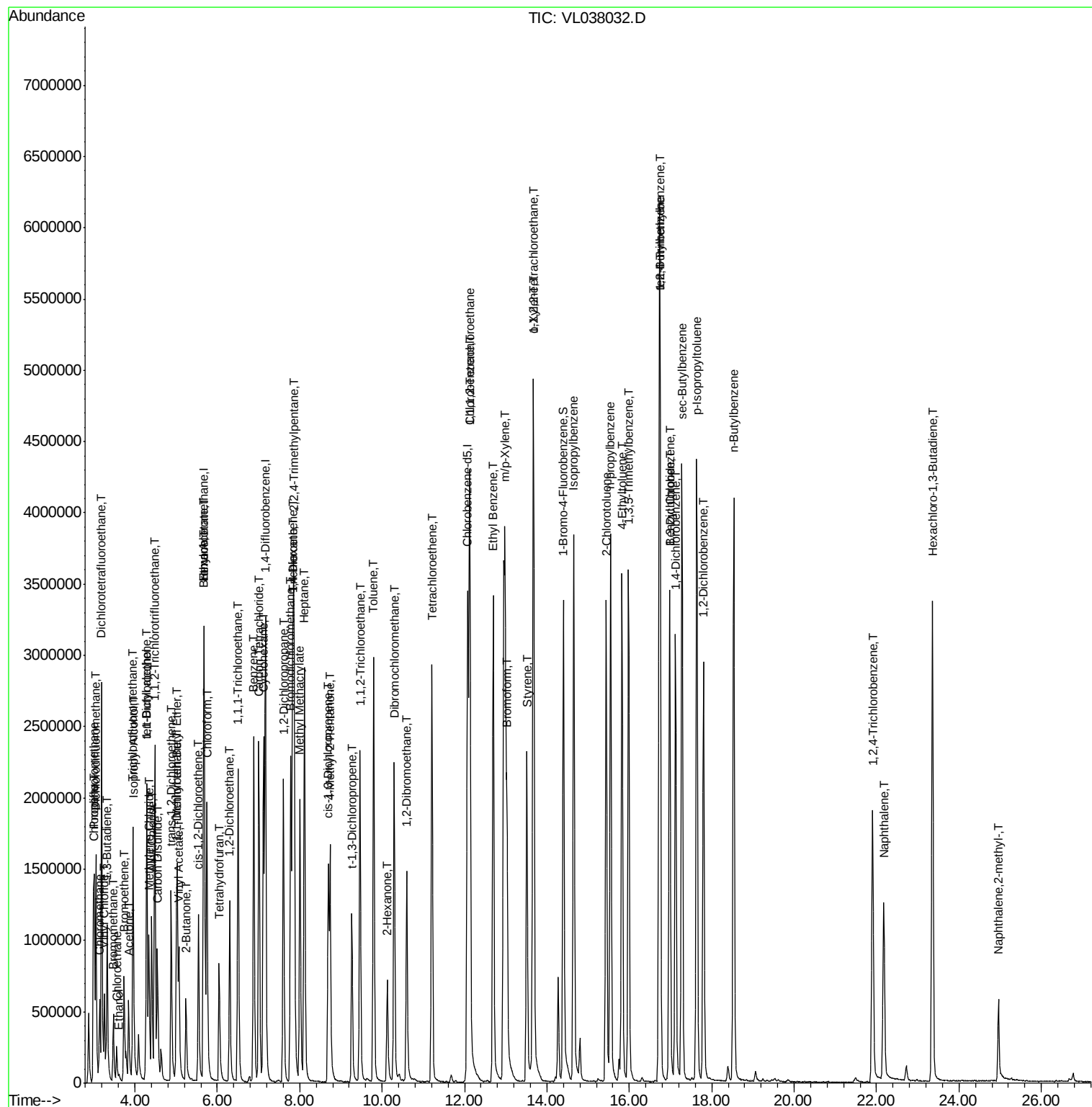
Quant Time: Nov 17 06:39:48 2021

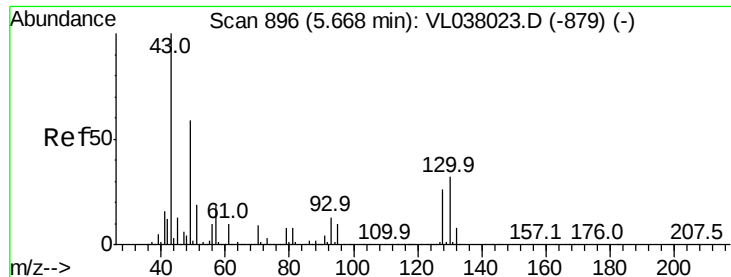
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 8:47

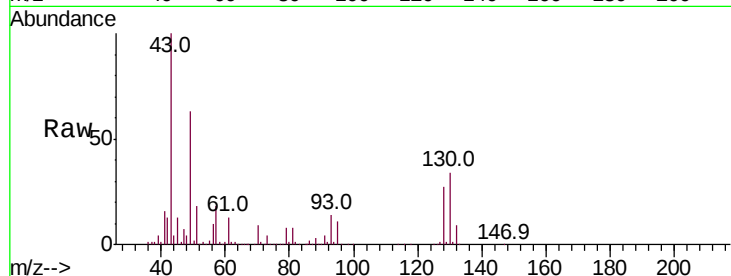
Tot Ion: 49 Resp: 755075

Ion Ratio Lower Upper

49 100

128 50.5 23.4 70.2

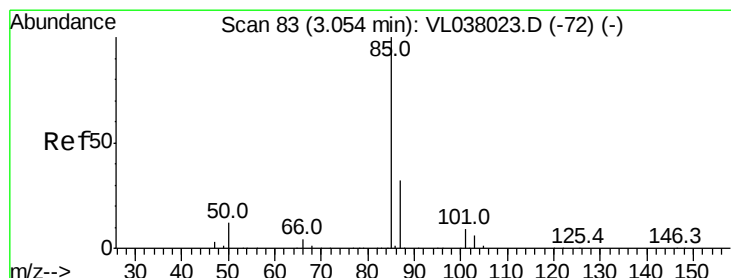
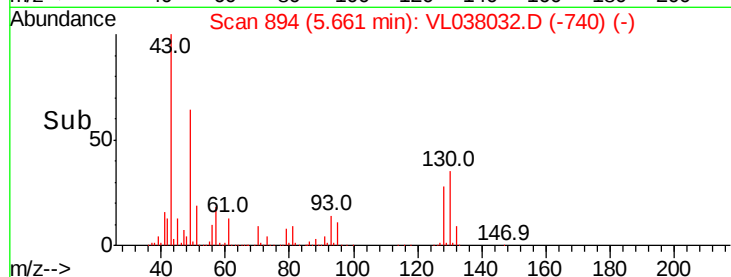
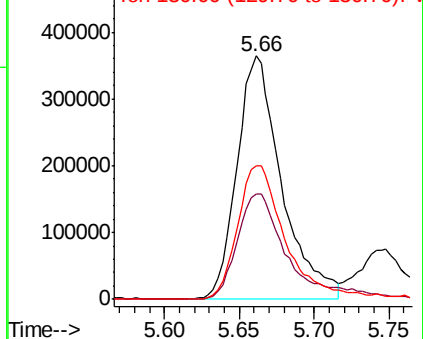
130 61.8 29.1 87.3



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



#2

Dichlorodifluoromethane

Concen: 8.877 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038032.D

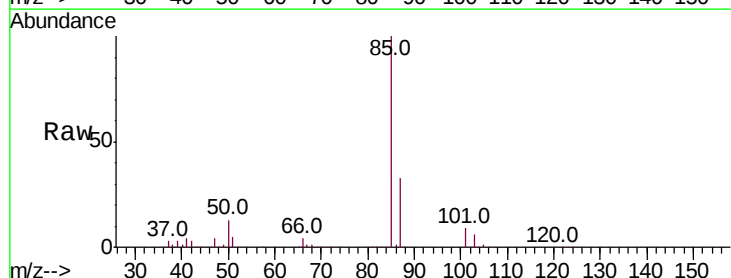
Acq: 16 Nov 2021 8:47

Tgt Ion: 85 Resp: 1363620

Ion Ratio Lower Upper

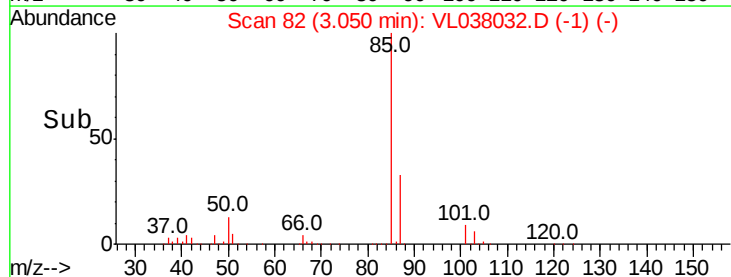
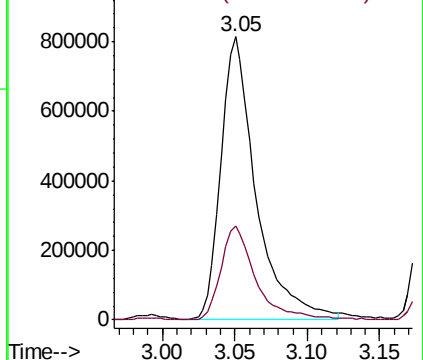
85 100

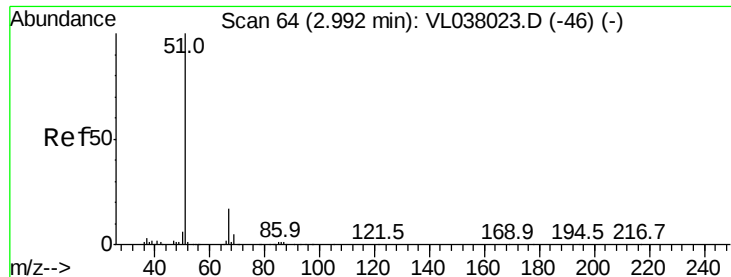
87 33.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.382 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

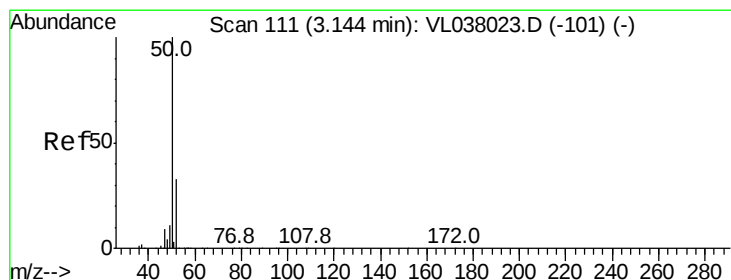
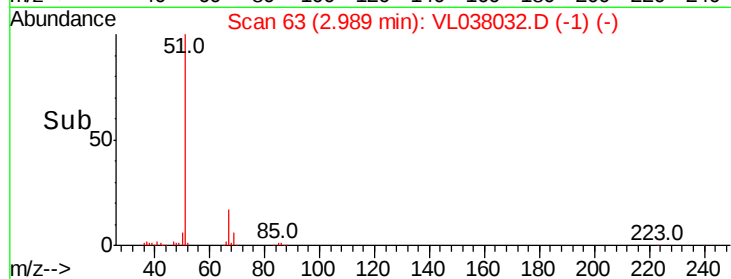
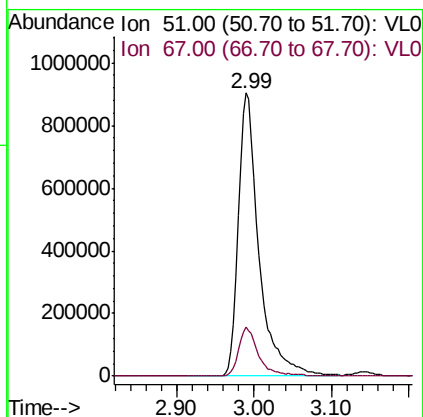
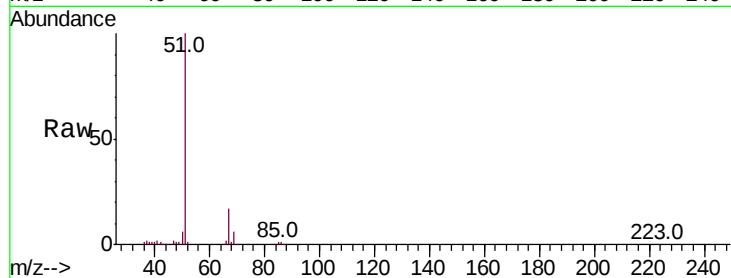
Acq: 16 Nov 2021 8:47

Tot Ion: 51 Resp: 1645344

Ion Ratio Lower Upper

51 100

67 17.0 13.5 20.3



#4

Chloromethane

Concen: 8.385 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038032.D

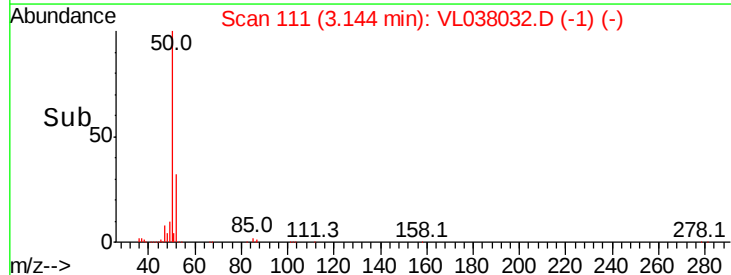
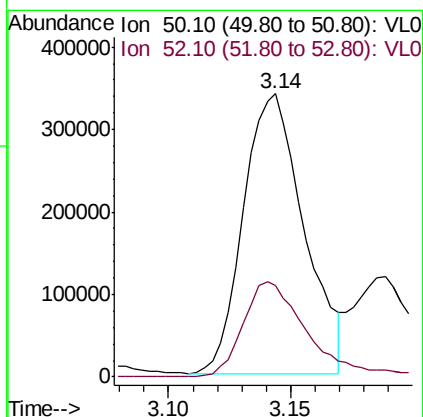
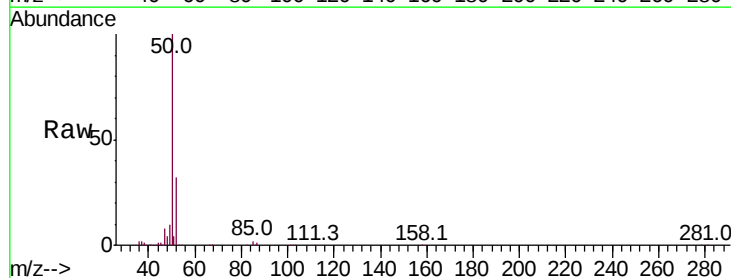
Acq: 16 Nov 2021 8:47

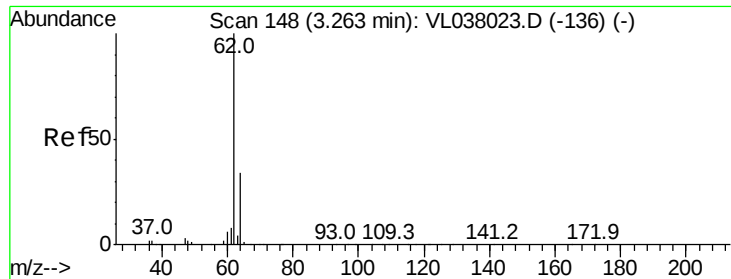
Tgt Ion: 50 Resp: 585686

Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6





#5

Vinyl Chloride

Concen: 9.036 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

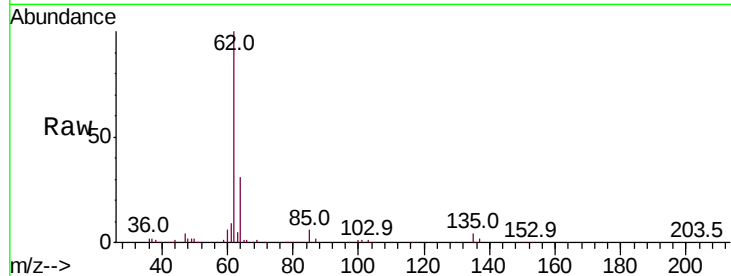
Acq: 16 Nov 2021 8:47

Tot Ion: 62 Resp: 605796

Ion Ratio Lower Upper

62 100

64 31.4 27.4 41.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

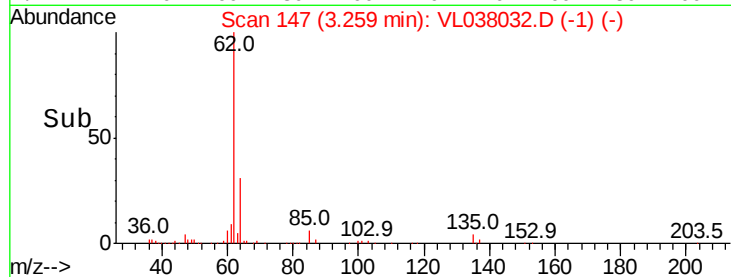
300000

200000

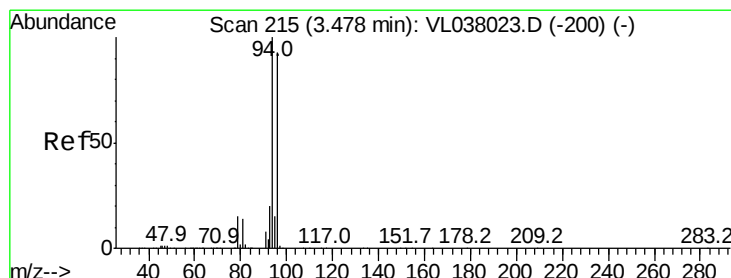
100000

0

Time-->



Time-->



#6

Bromomethane

Concen: 9.077 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038032.D

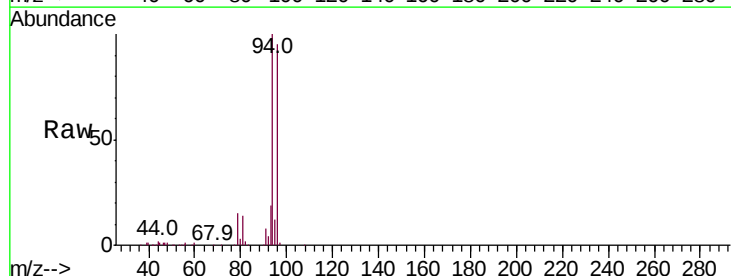
Acq: 16 Nov 2021 8:47

Tgt Ion: 94 Resp: 325274

Ion Ratio Lower Upper

94 100

96 95.4 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

200000

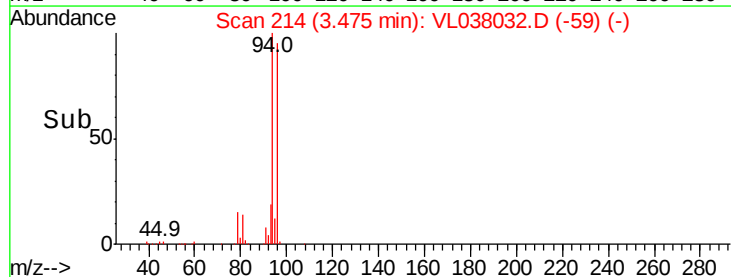
150000

100000

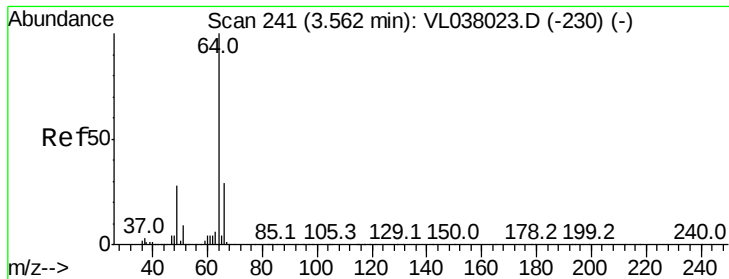
50000

0

Time-->



Time-->



#7

Chloroethane

Concen: 8.797 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

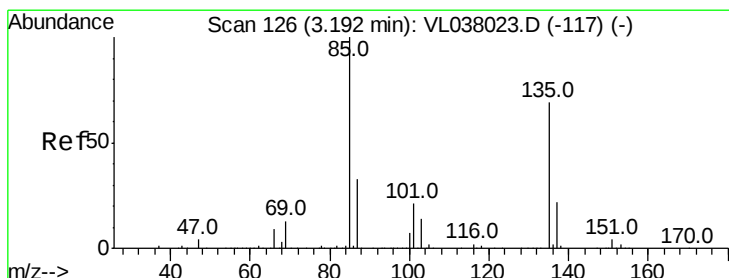
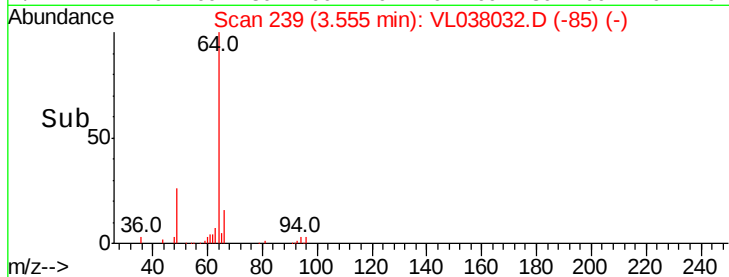
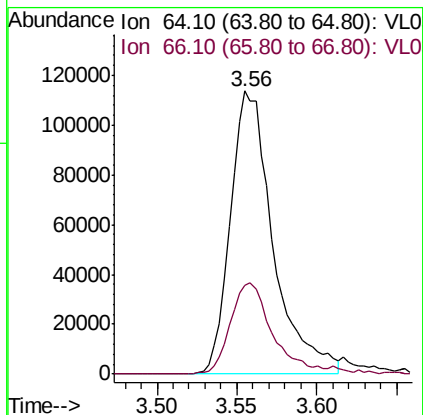
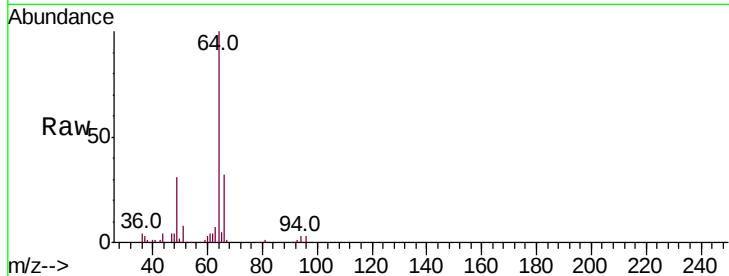
Acq: 16 Nov 2021 8:47

Tot Ion: 64 Resp: 207443

Ion Ratio Lower Upper

64 100

66 31.6 23.1 34.7



#8

Dichlorotetrafluoroethane

Concen: 8.646 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038032.D

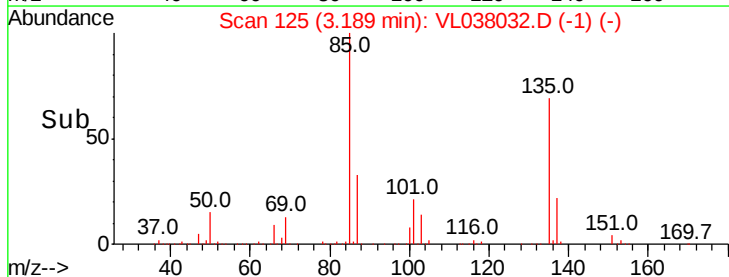
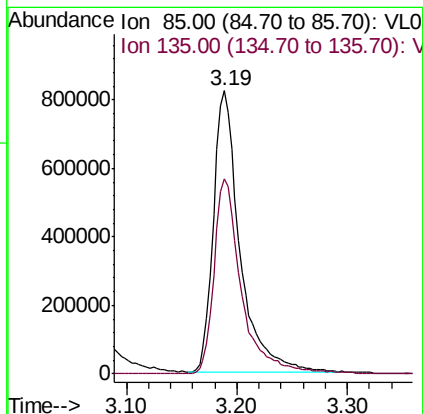
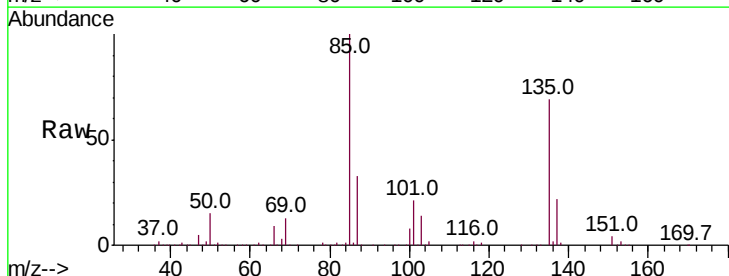
Acq: 16 Nov 2021 8:47

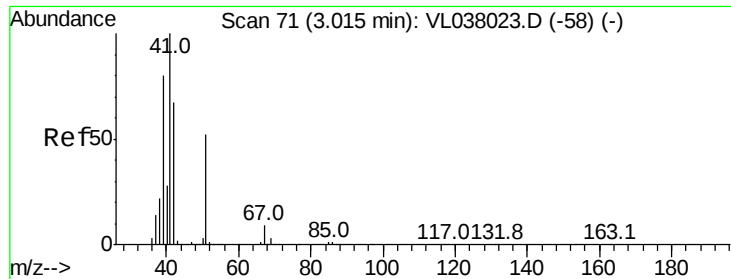
Tgt Ion: 85 Resp: 1375588

Ion Ratio Lower Upper

85 100

135 71.9 57.0 85.6





#9

Propene

Concen: 8.221 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

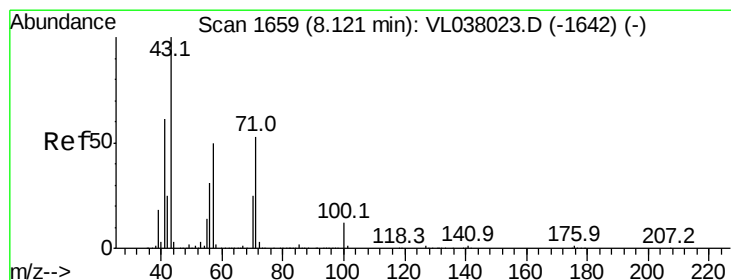
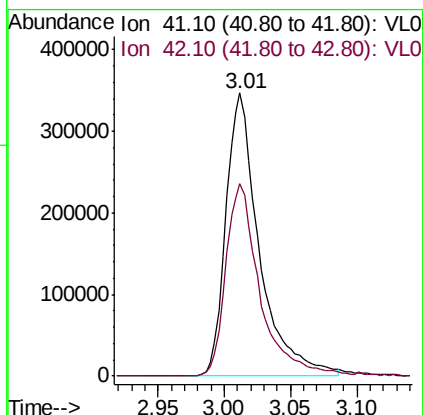
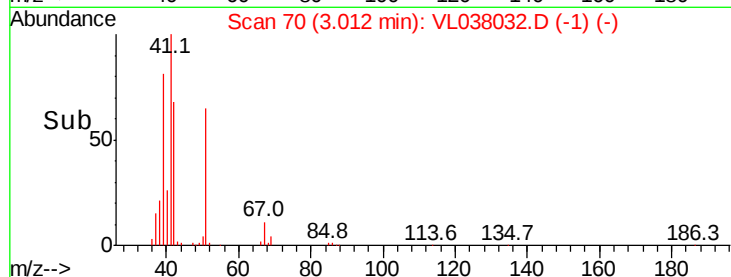
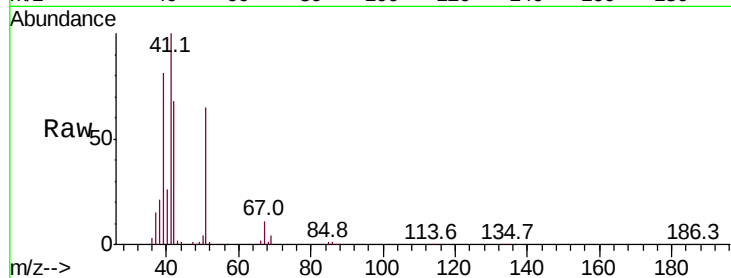
Acq: 16 Nov 2021 8:47

Tot Ion: 41 Resp: 608665

Ion Ratio Lower Upper

41 100

42 70.2 55.4 83.0



#10

Heptane

Concen: 8.400 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VL038032.D

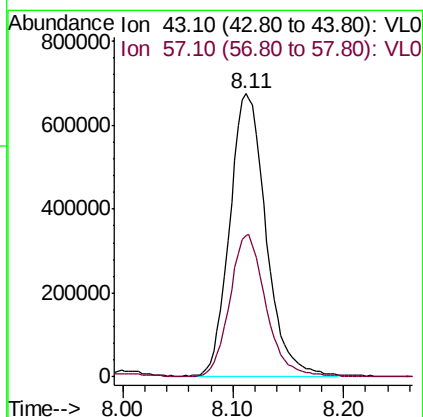
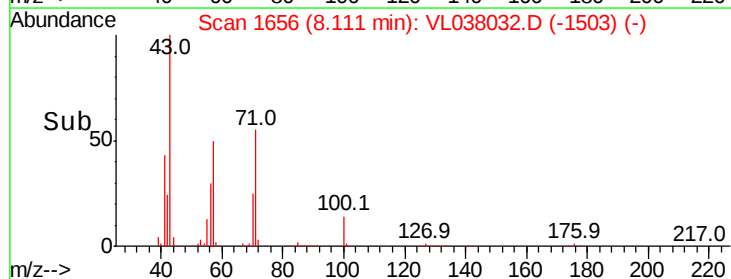
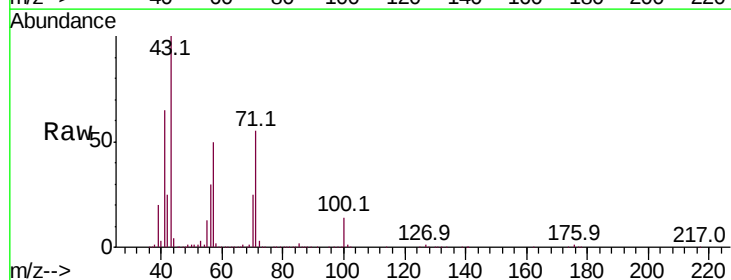
Acq: 16 Nov 2021 8:47

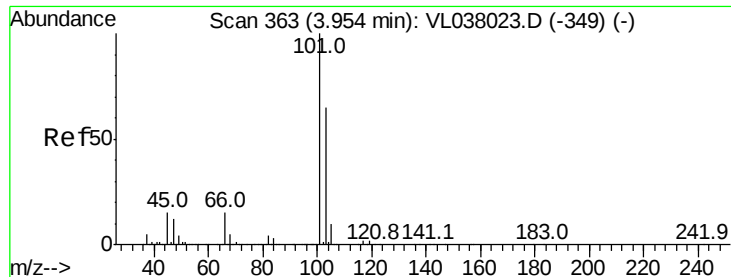
Tgt Ion: 43 Resp: 1530646

Ion Ratio Lower Upper

43 100

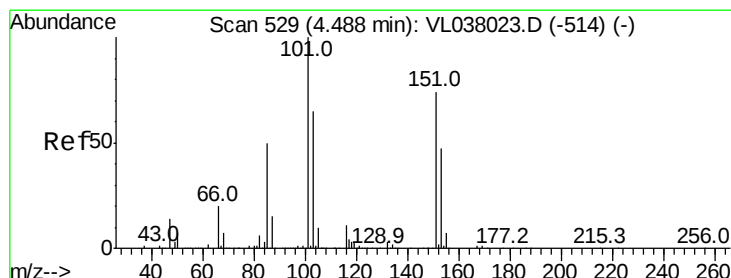
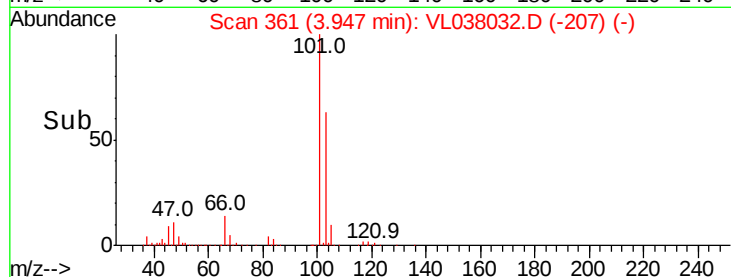
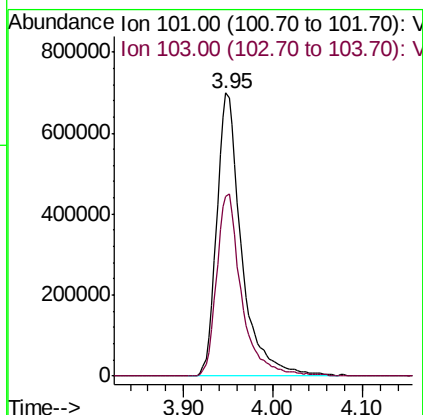
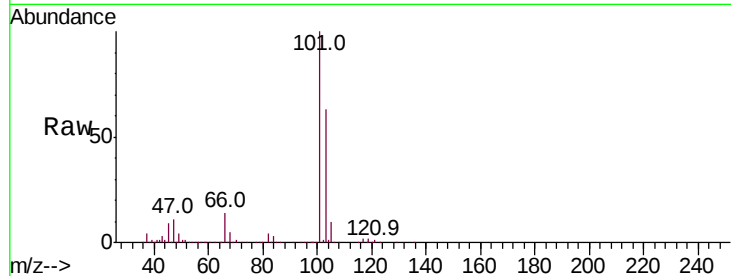
57 50.3 40.2 60.2





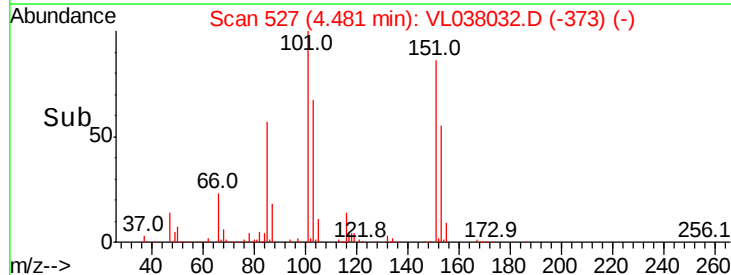
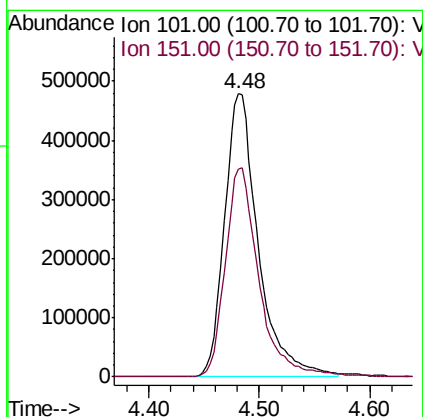
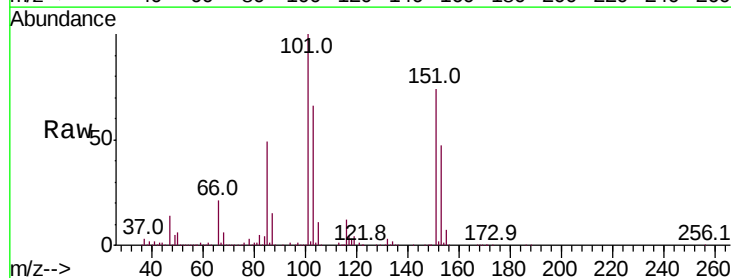
#11
 Trichlorofluoromethane
 Concen: 8.894 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

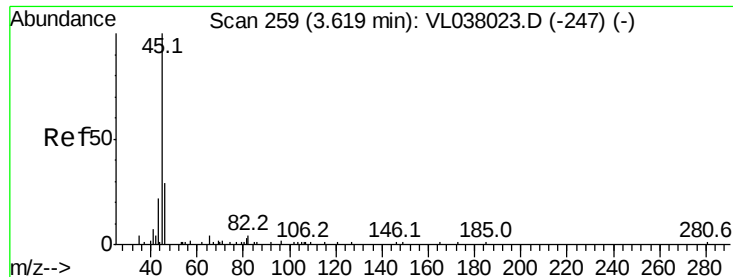
Tot Ion:101 Resp: 1349846
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.3 78.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.643 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

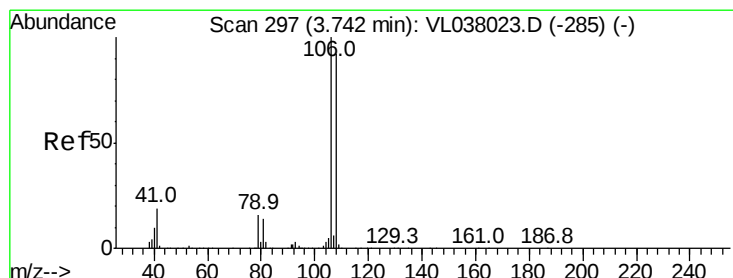
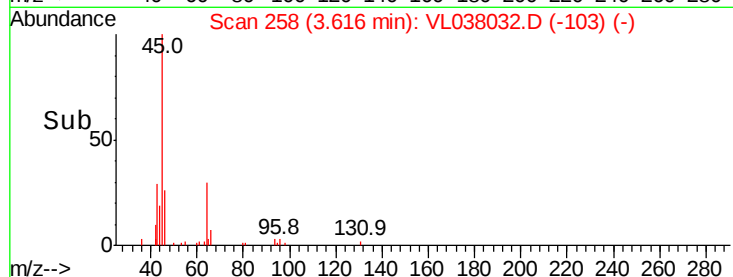
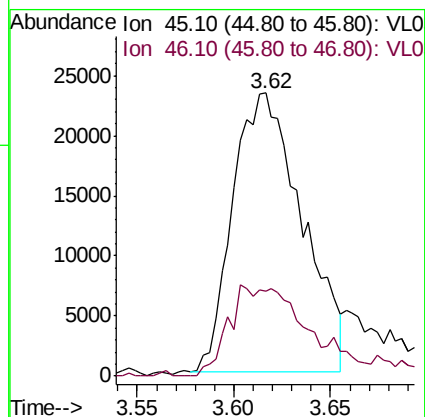
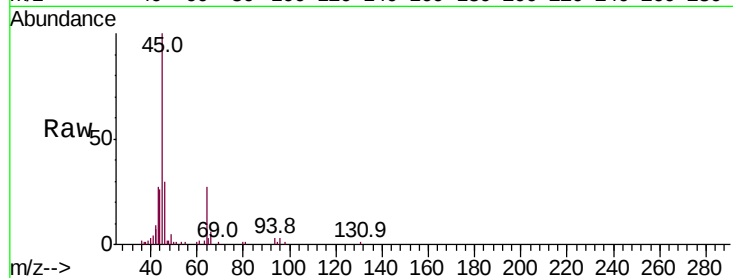
Tgt Ion:101 Resp: 1016709
 Ion Ratio Lower Upper
 101 100
 151 74.1 57.8 86.8





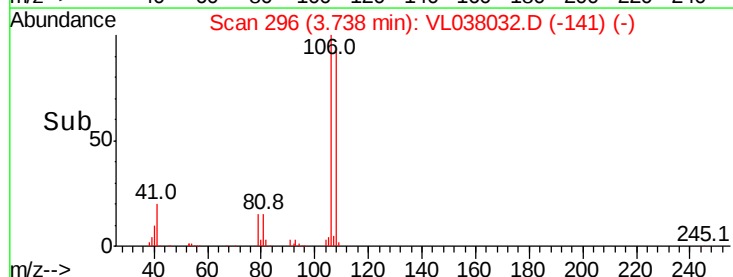
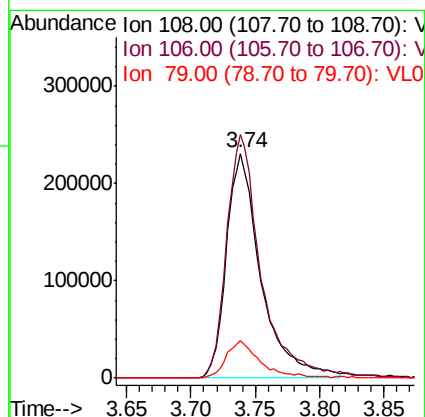
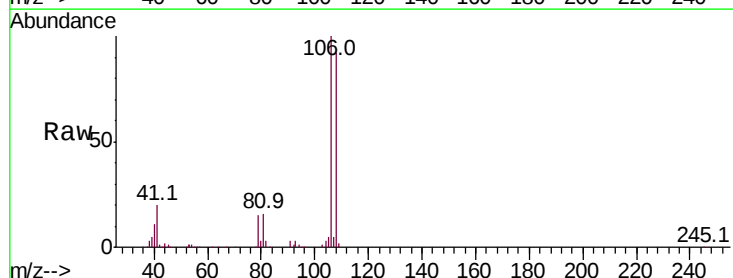
#13
 Ethanol
 Concen: 8.835 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

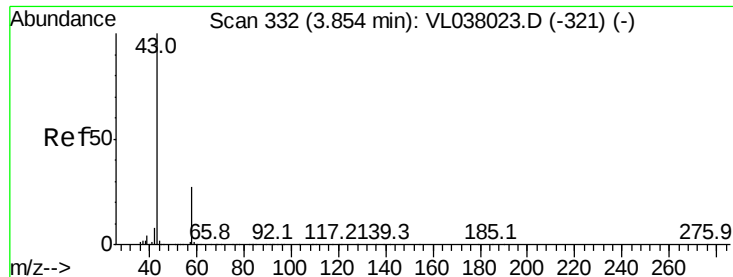
Tot Ion: 45 Resp: 57987
 Ion Ratio Lower Upper
 45 100
 46 42.0 0.0 0.0#



#14
 Bromoethene
 Concen: 8.718 ppbv
 RT: 3.74 min Scan# 296
 Delta R.T. -0.00 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

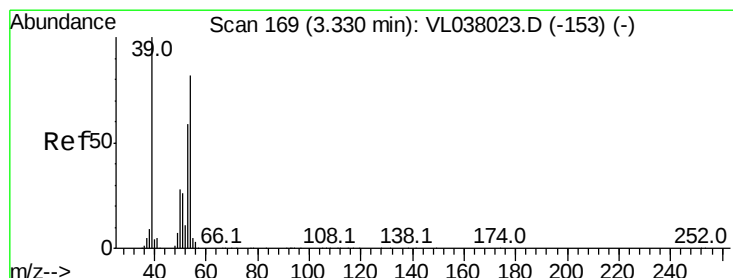
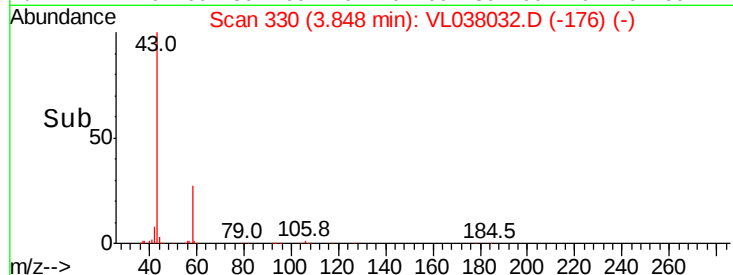
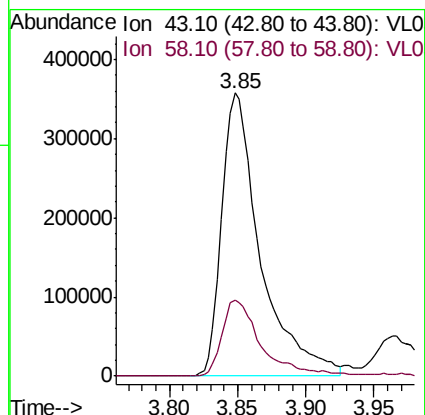
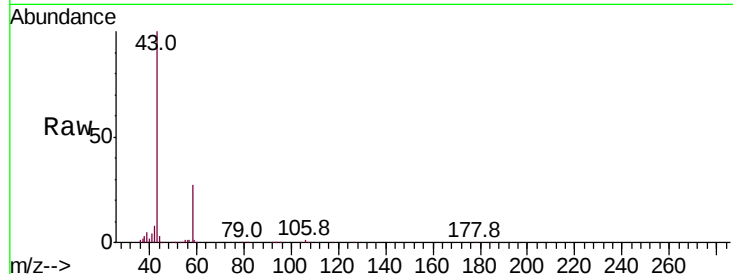
Tgt Ion:108 Resp: 428804
 Ion Ratio Lower Upper
 108 100
 106 109.3 90.4 135.6
 79 16.9 14.5 21.7





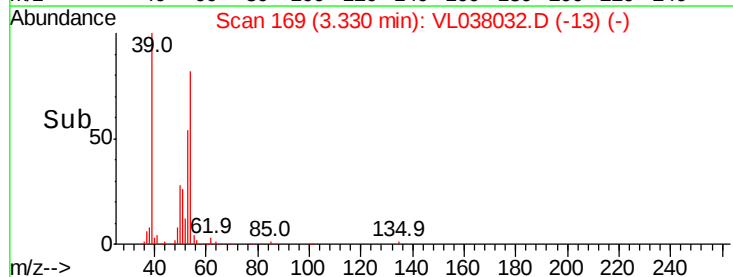
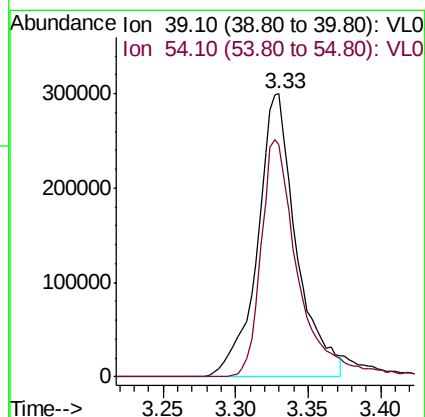
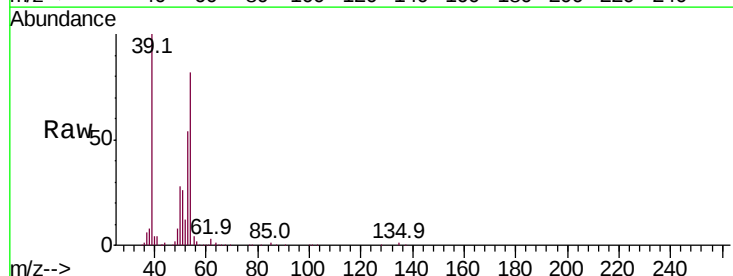
#15
Acetone
Concen: 7.939 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 8:47

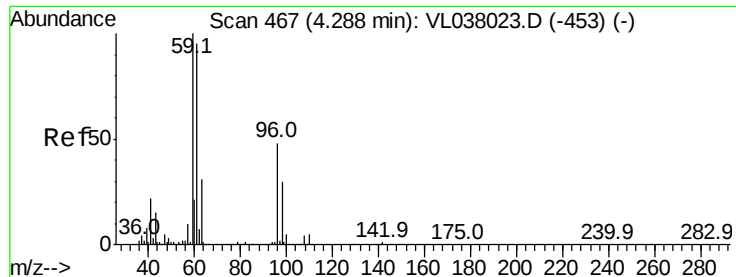
Tot Ion: 43 Resp: 704735
Ion Ratio Lower Upper
43 100
58 27.6 23.0 34.4



#16
1,3-Butadiene
Concen: 8.501 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

Tgt Ion: 39 Resp: 558881
Ion Ratio Lower Upper
39 100
54 81.5 63.7 95.5





#17

tert-Butyl alcohol

Concen: 8.354 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

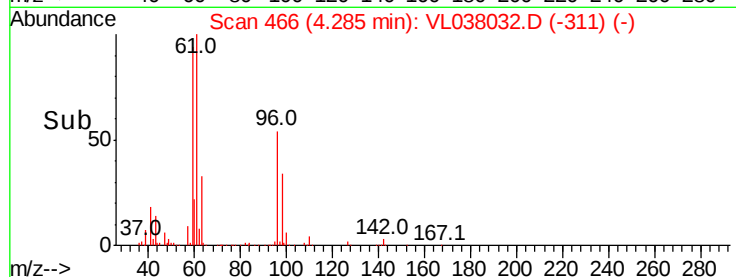
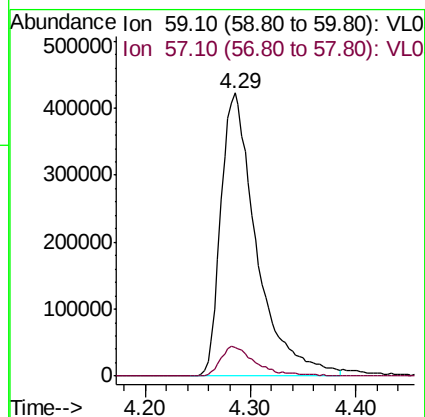
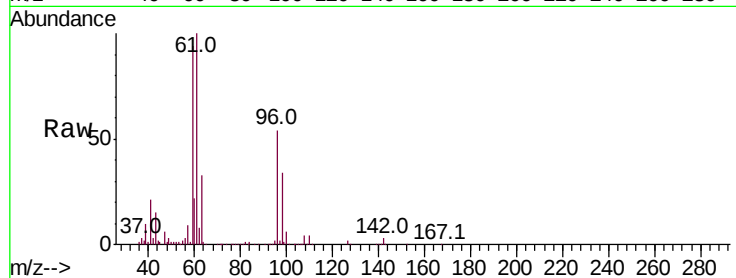
Acq: 16 Nov 2021 8:47

Tot Ion: 59 Resp: 996089

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 8.669 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

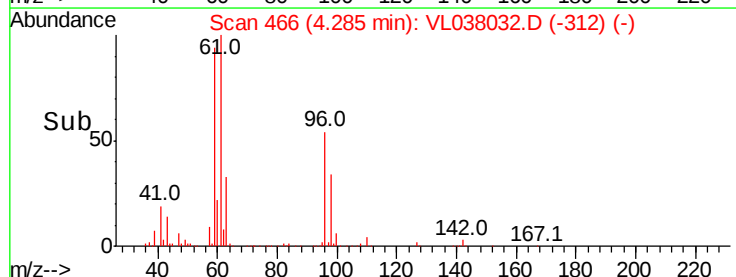
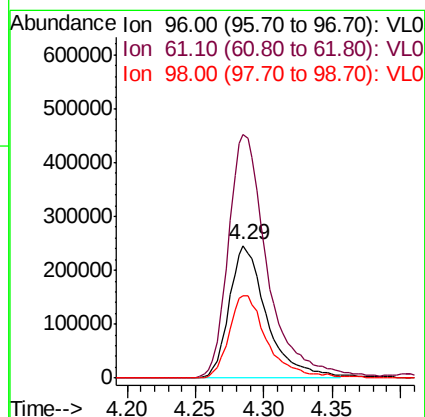
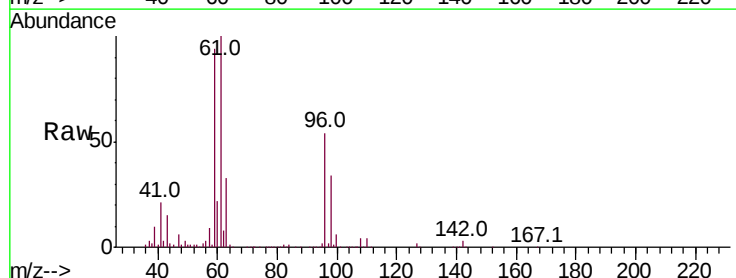
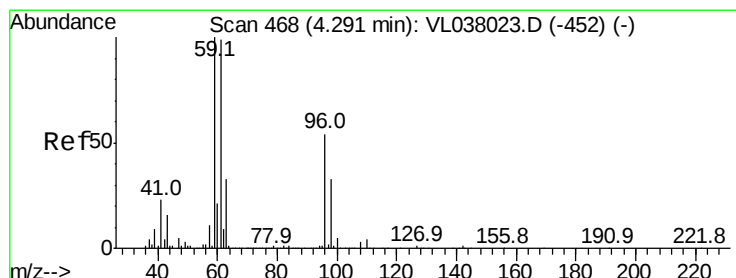
Tgt Ion: 96 Resp: 470628

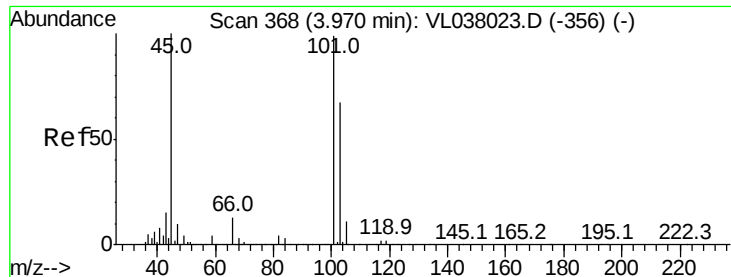
Ion Ratio Lower Upper

96 100

61 183.4 145.2 217.8

98 62.5 48.8 73.2





#19

Isopropyl Alcohol

Concen: 7.779 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

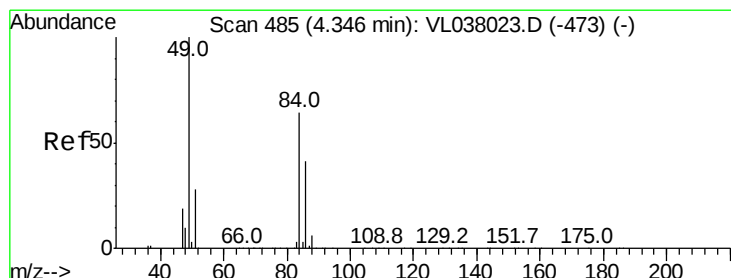
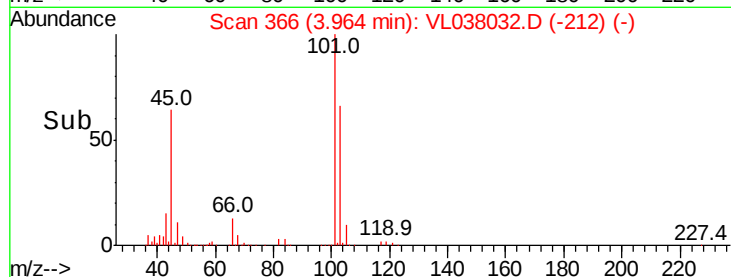
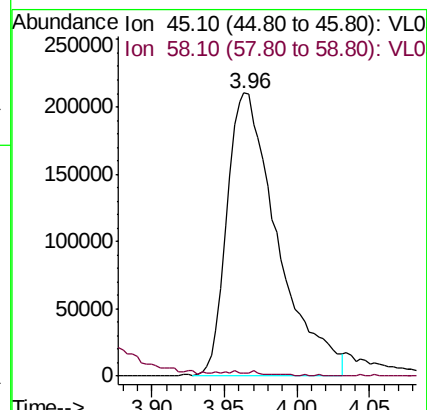
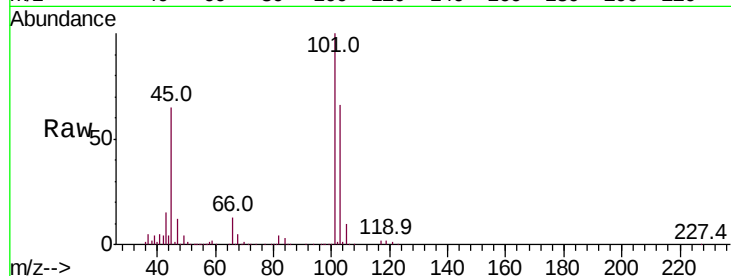
Acq: 16 Nov 2021 8:47

Tot Ion: 45 Resp: 505730

Ion Ratio Lower Upper

45 100

58 38.4 29.8 44.6



#20

Methylene Chloride

Concen: 7.412 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

Tgt Ion: 84 Resp: 385974

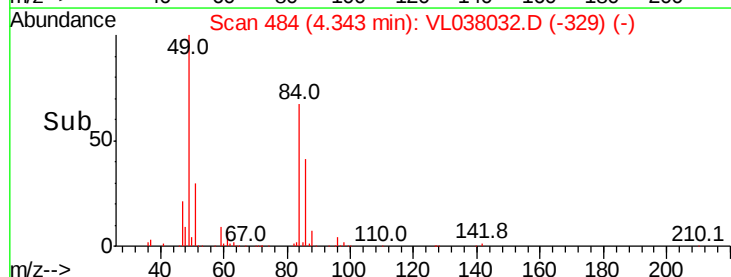
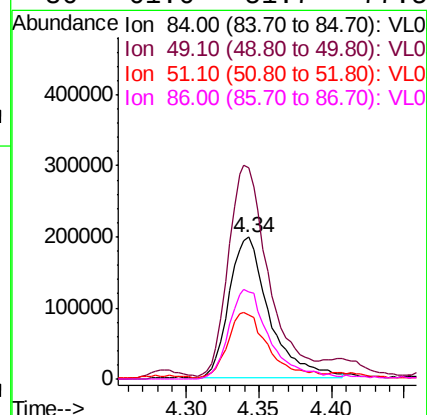
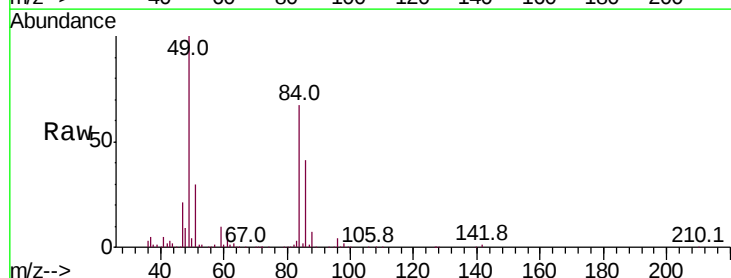
Ion Ratio Lower Upper

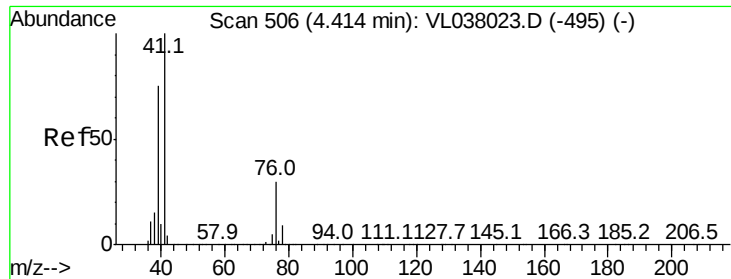
84 100

49 147.4 125.1 187.7

51 43.7 35.3 52.9

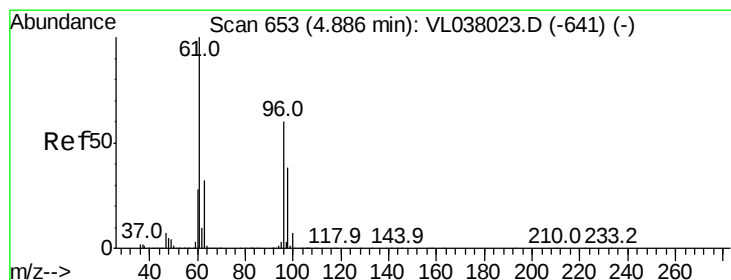
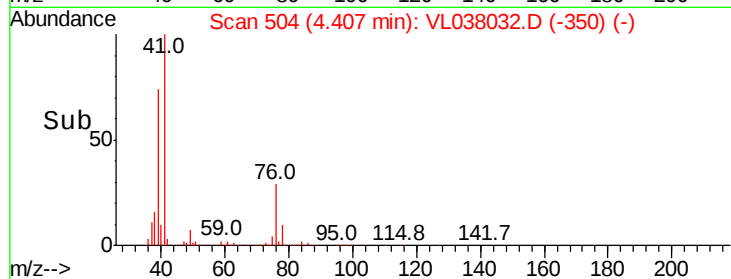
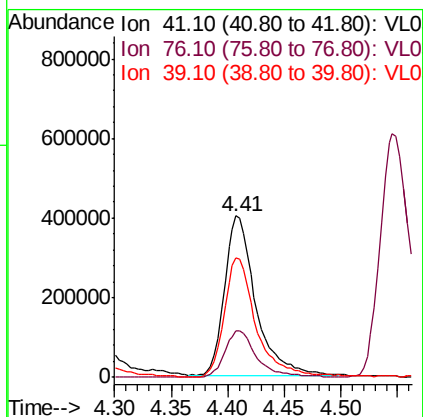
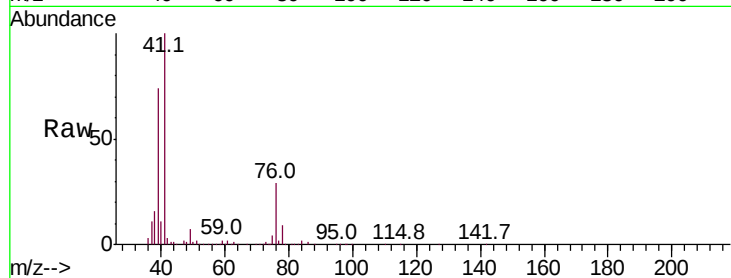
86 61.6 51.7 77.5





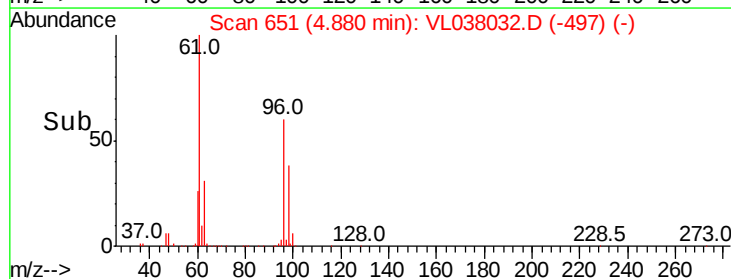
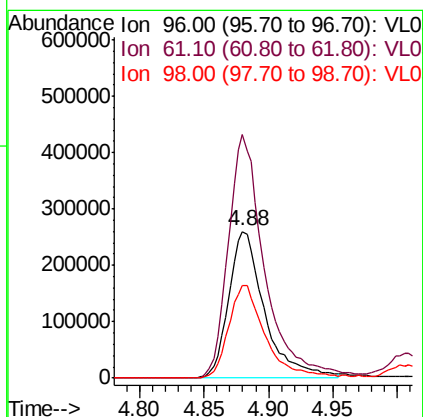
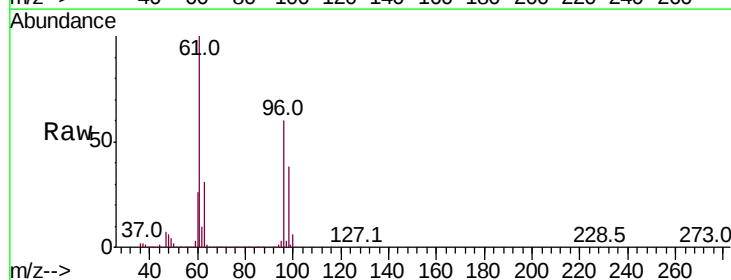
#21
 Allvl Chloride
 Concen: 8.594 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

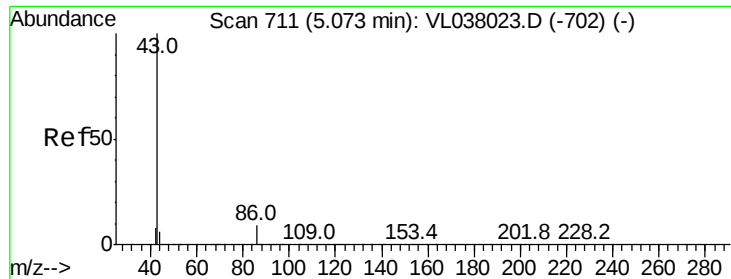
Tot Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.6	37.0
39	78.7	60.6	90.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.169 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

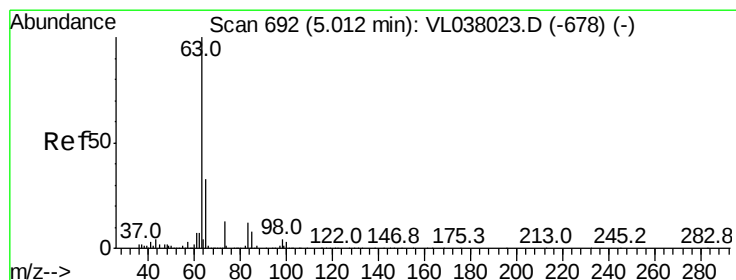
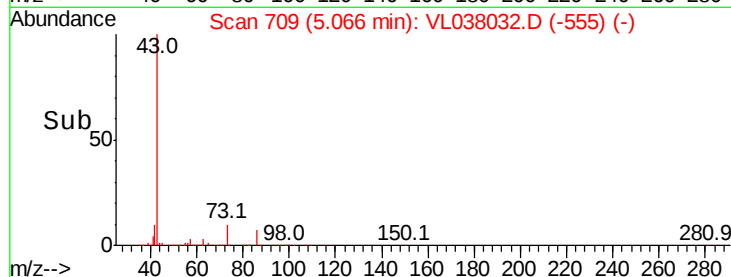
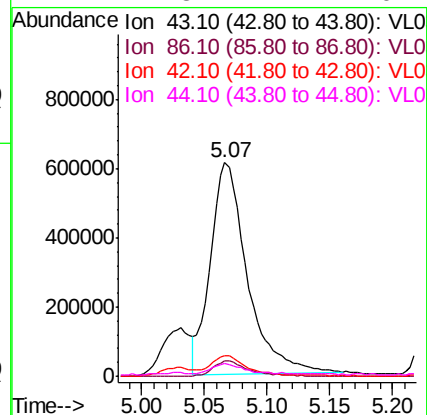
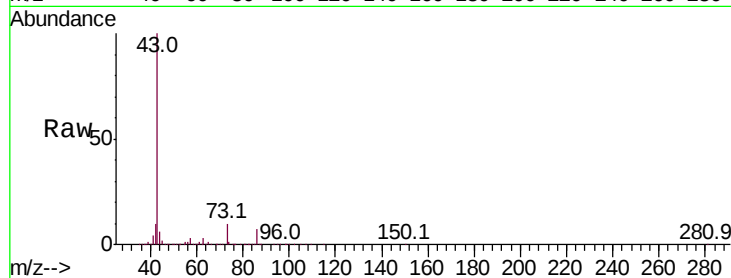
Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	134.2	201.4
98	63.5	51.3	76.9





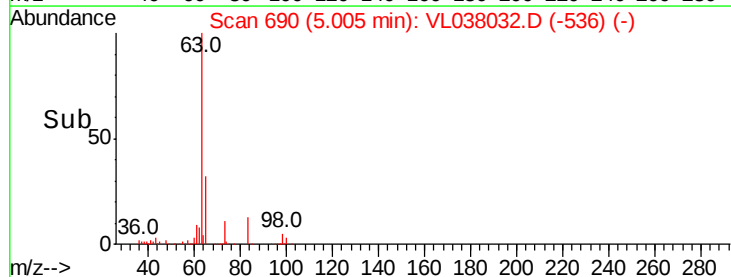
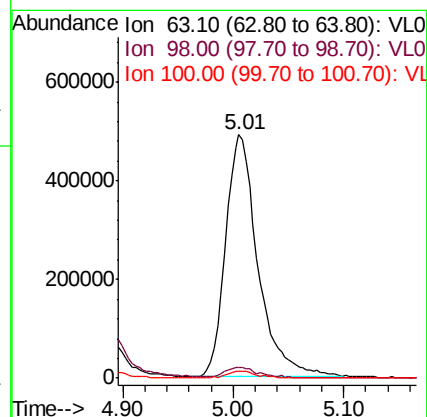
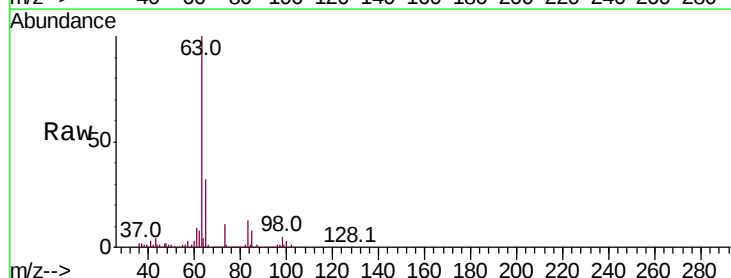
#23
 Vinyl Acetate
 Concen: 8.486 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

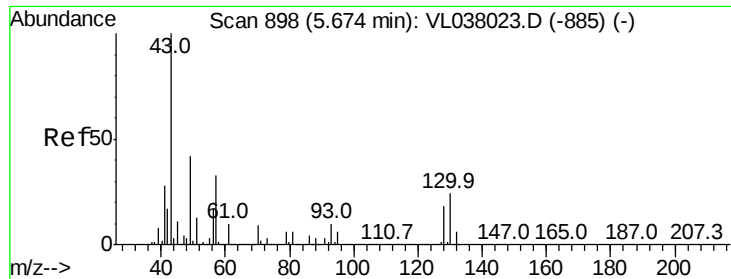
Tot Ion:	43	Resp:	1247724
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.9	8.9
42	9.4	7.4	11.2
44	4.8	4.1	6.1



#24
 1,1-Dichloroethane
 Concen: 8.717 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

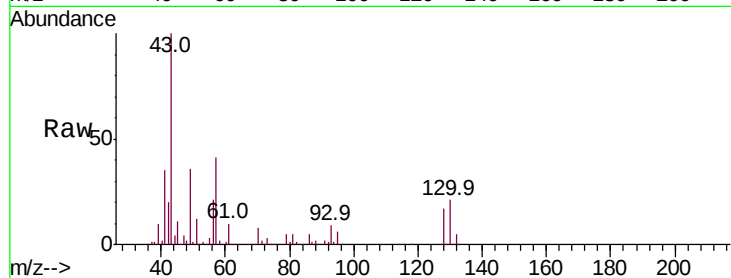
Tgt Ion:	63	Resp:	999723
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.9
100	2.7	1.5	4.4





#25
Ethyl Acetate
Concen: 9.198 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 8:47

Tot Ion:	43	Resp:	1920885
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.9	8.3	12.5
70	6.7	5.7	8.5



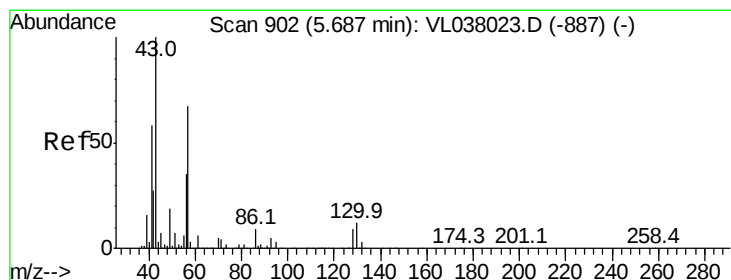
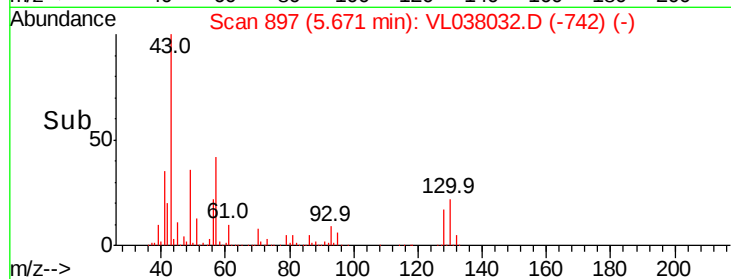
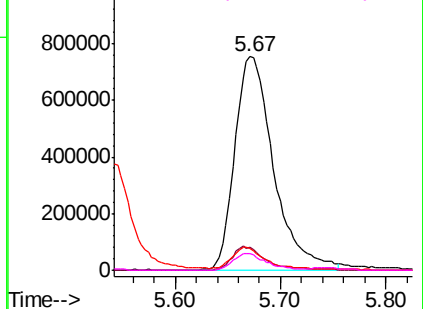
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

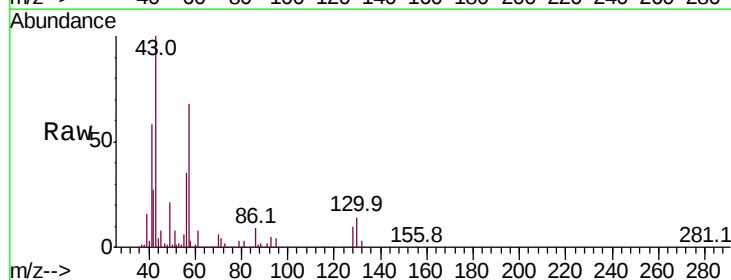
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.878 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

Tgt Ion:	57	Resp:	931428
Ion	Ratio	Lower	Upper
57	100		
41	88.0	70.8	106.2
43	210.6	169.4	254.0
56	53.5	41.8	62.8



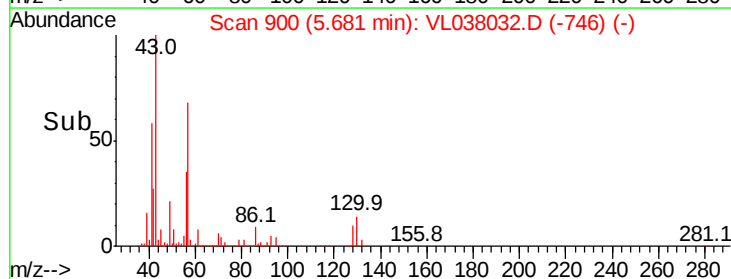
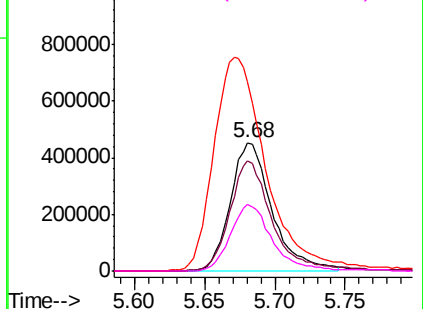
Abundance

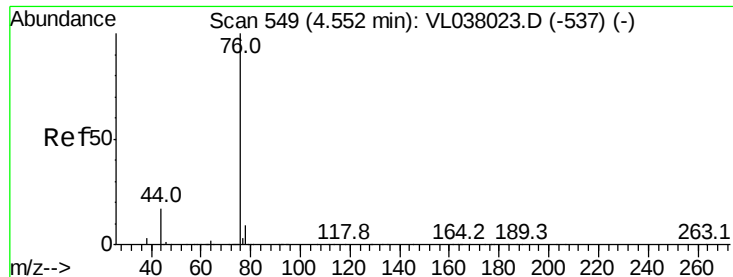
Ion 57.10 (56.80 to 57.80): VL0

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: 9.113 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 8:47

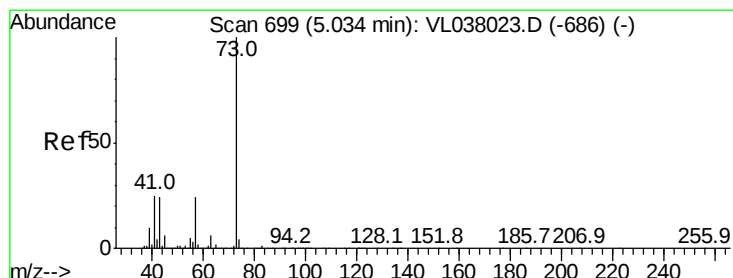
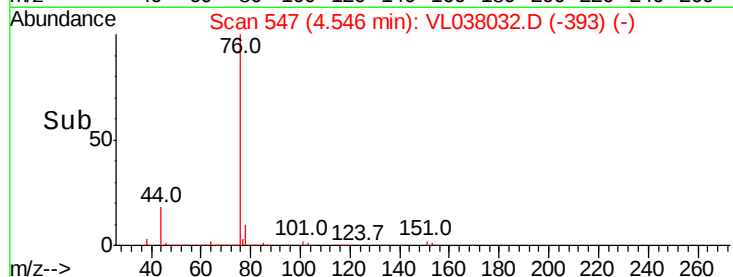
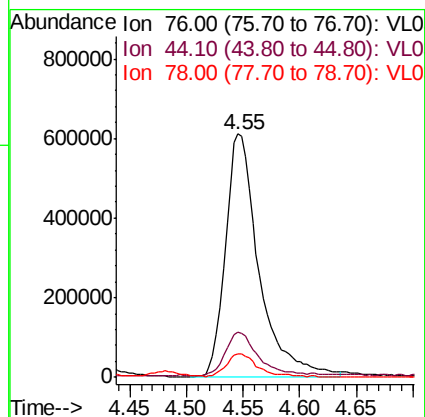
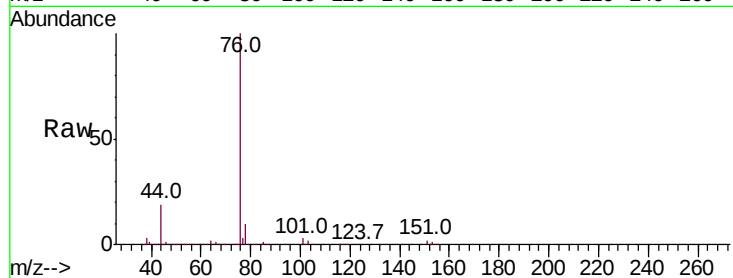
Tot Ion: 76 Resp: 1253919

Ion Ratio Lower Upper

76 100

44 18.6 15.4 23.0

78 9.8 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 8.669 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL038032.D

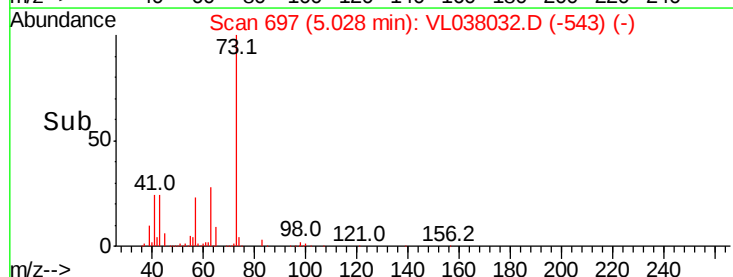
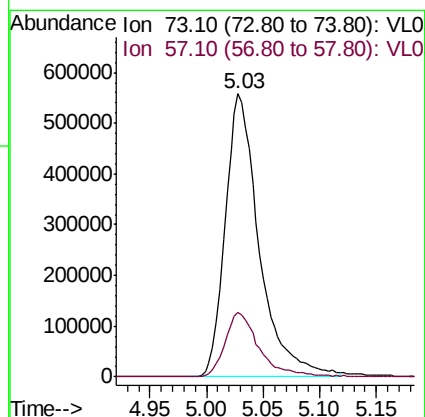
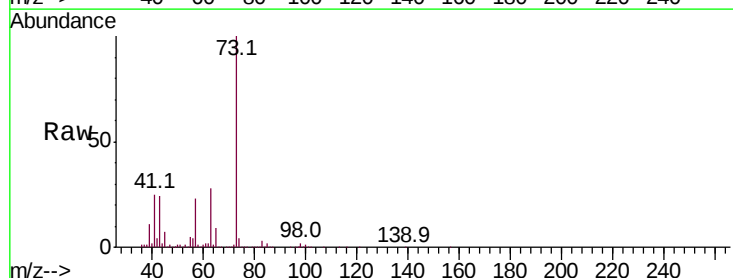
Acq: 16 Nov 2021 8:47

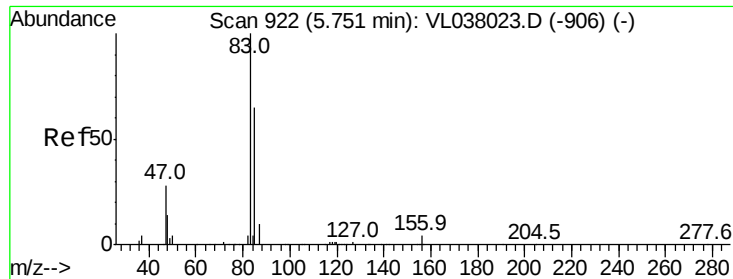
Tgt Ion: 73 Resp: 1166334

Ion Ratio Lower Upper

73 100

57 23.1 19.1 28.7





#29

Chloroform

Concen: 9.404 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

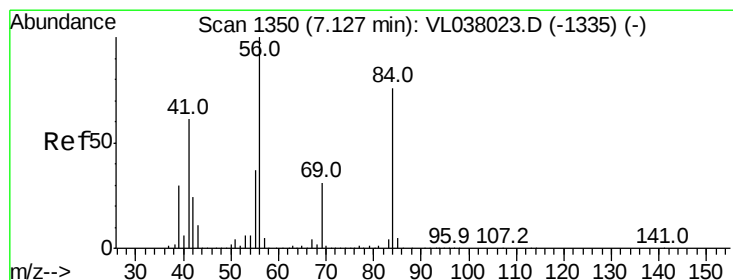
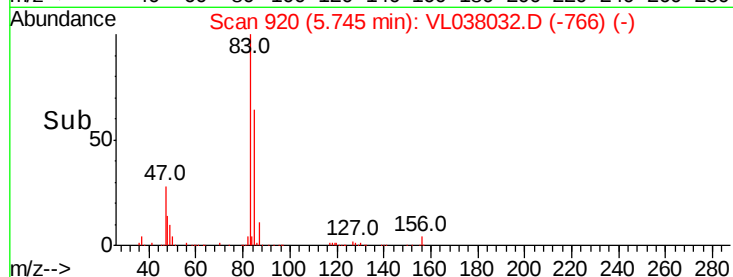
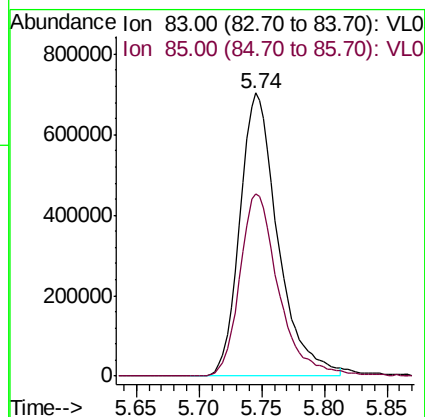
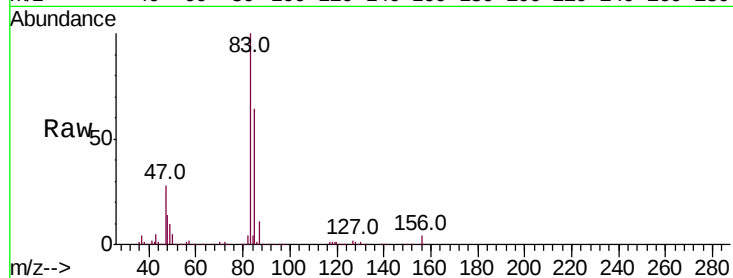
Acq: 16 Nov 2021 8:47

Tot Ion: 83 Resp: 1486077

Ion Ratio Lower Upper

83 100

85 64.3 52.1 78.1



#30

Cyclohexane

Concen: 8.268 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

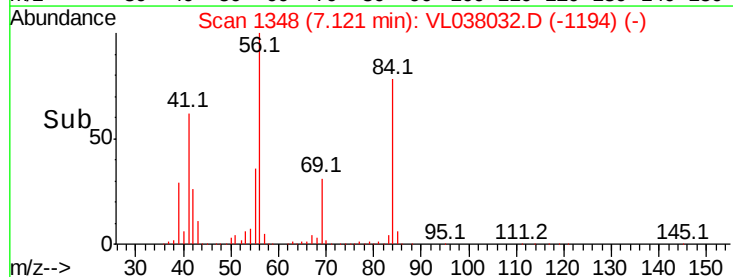
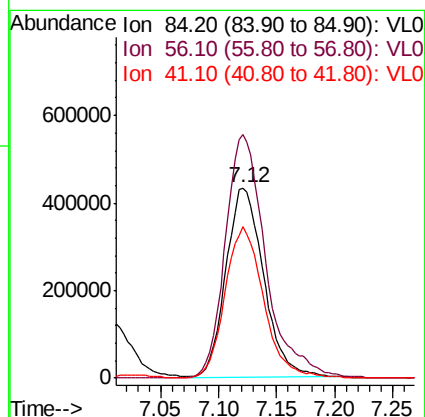
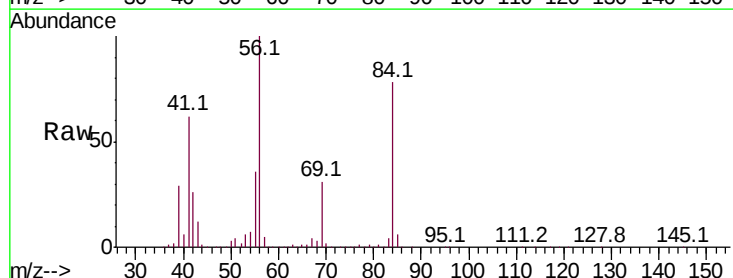
Tgt Ion: 84 Resp: 976824

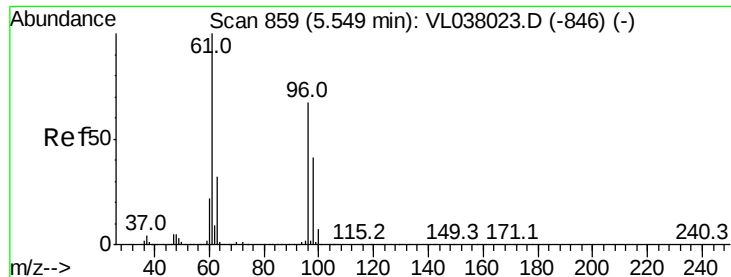
Ion Ratio Lower Upper

84 100

56 138.6 109.5 164.3

41 81.4 65.1 97.7





#31

cis-1,2-Dichloroethene

Concen: 9.066 ppbv

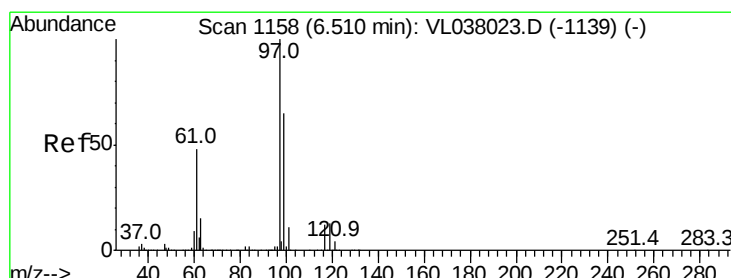
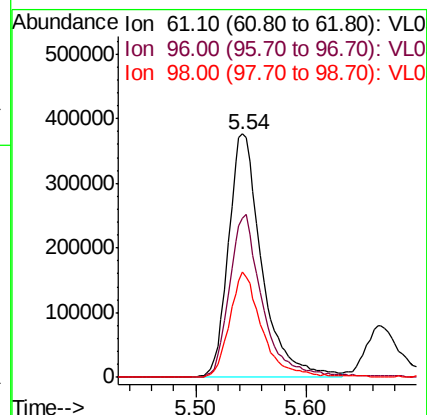
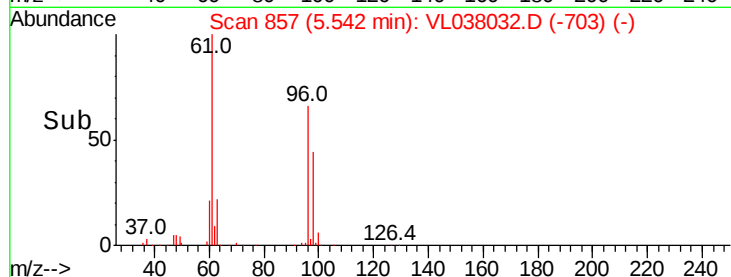
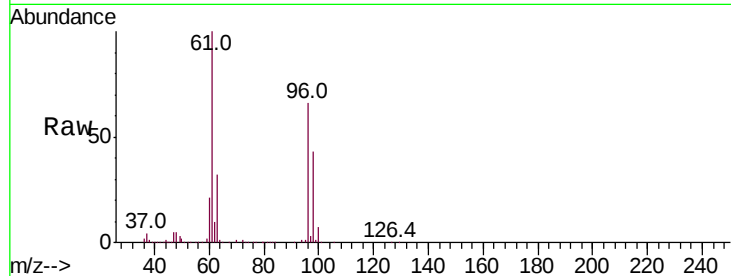
RT: 5.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 8:47

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.5	53.9	80.9
98	43.3	32.8	49.2



#32

1,1,1-Trichloroethane

Concen: 8.148 ppbv

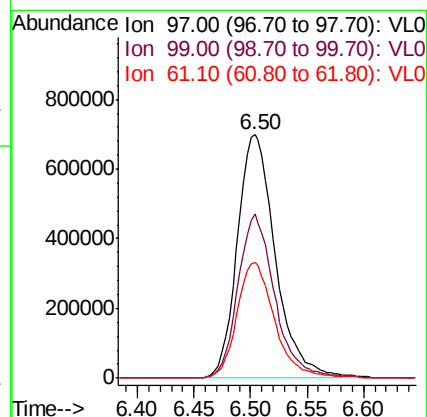
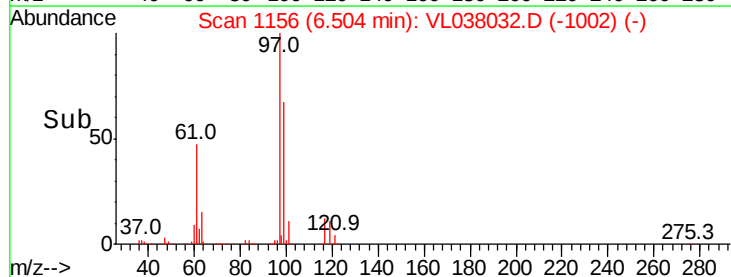
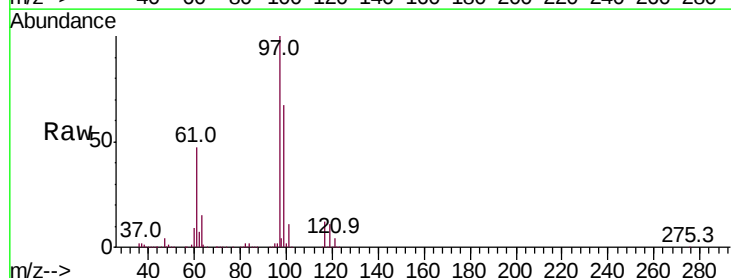
RT: 6.50 min Scan# 1156

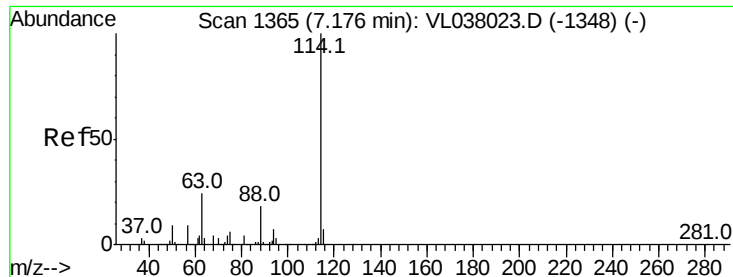
Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.9	77.9
61	46.9	37.7	56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Instrument: MSVOA_1

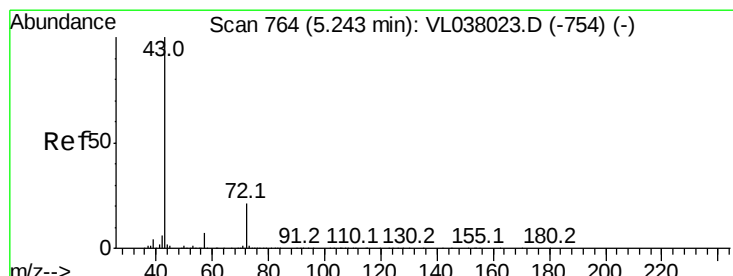
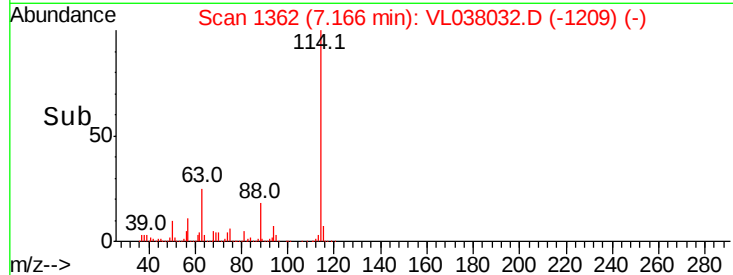
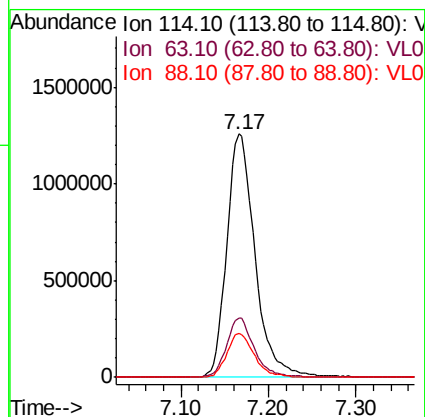
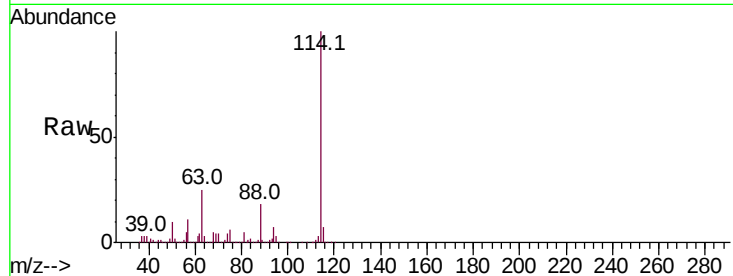
Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 8:47

Tot Ion:114 Resp: 2820000

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.8	29.6
88	17.8	14.6	21.8



#34

2-Butanone

Concen: 8.439 ppbv

RT: 5.24 min Scan# 762

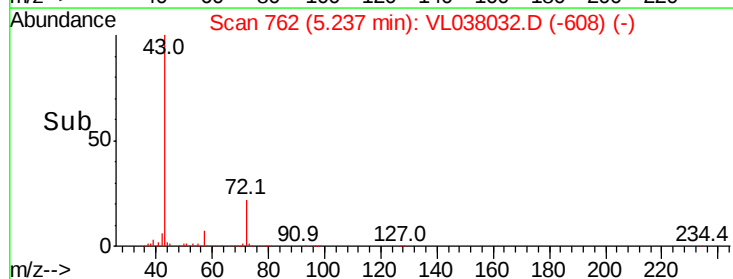
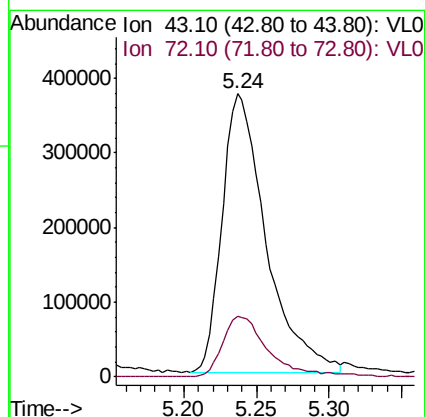
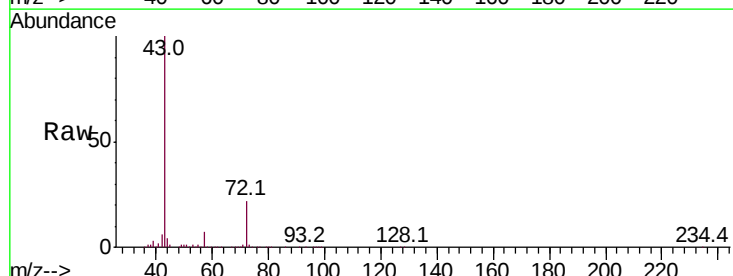
Delta R.T. -0.01 min

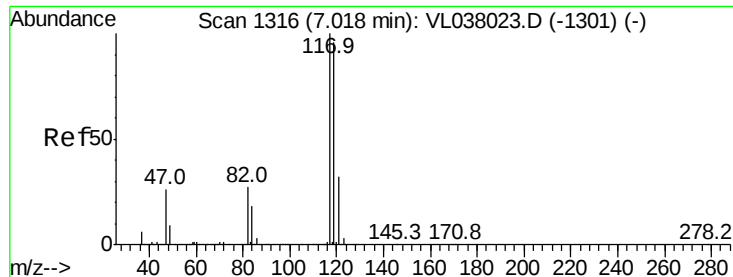
Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

Tgt Ion: 43 Resp: 784911

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.2	27.2





#35

Carbon Tetrachloride

Concen: 8.616 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 8:47

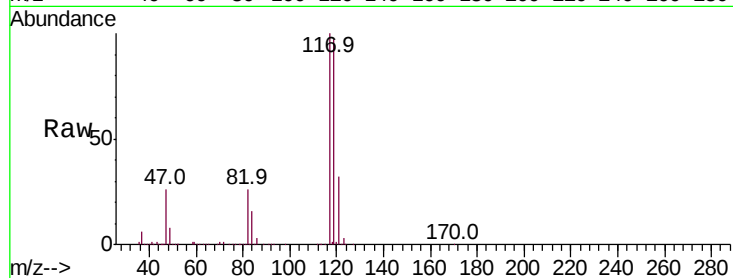
Tot Ion:117 Resp: 1679501

Ion Ratio Lower Upper

117 100

119 96.5 76.5 114.7

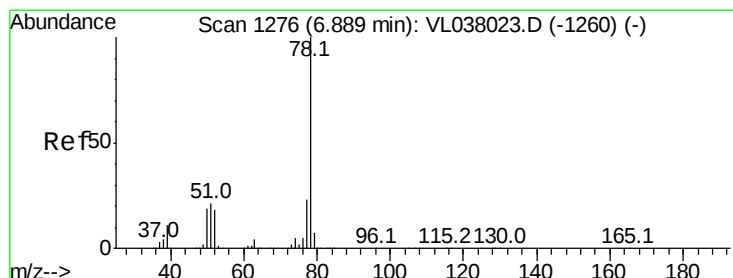
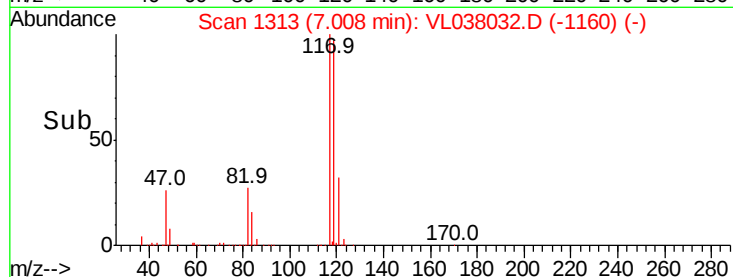
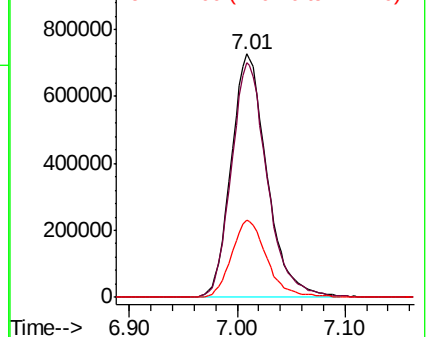
121 31.7 25.3 37.9



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: 8.800 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

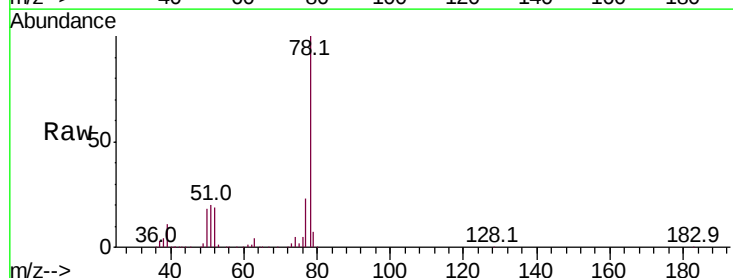
Tgt Ion: 78 Resp: 2360661

Ion Ratio Lower Upper

78 100

77 23.0 18.8 28.2

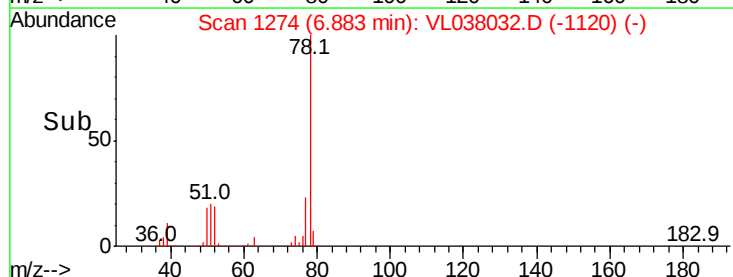
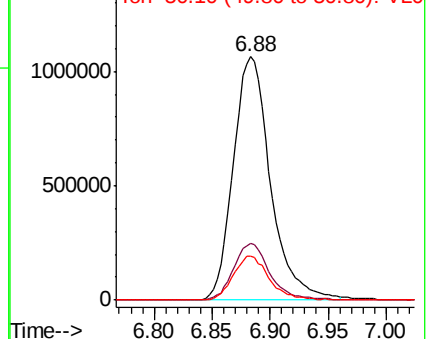
50 18.1 14.9 22.3

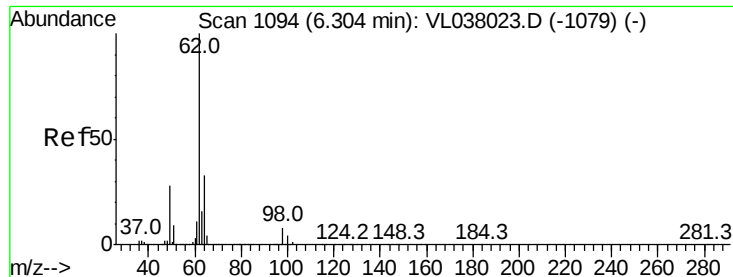


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

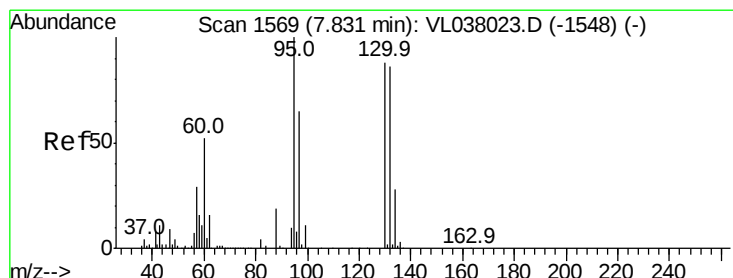
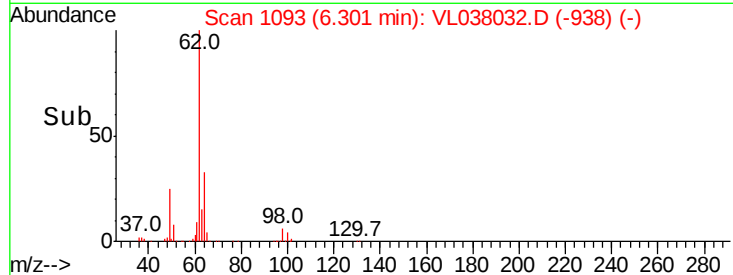
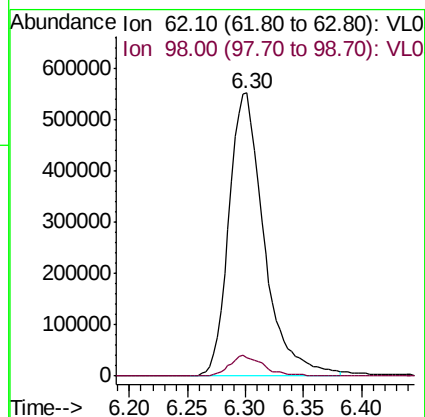
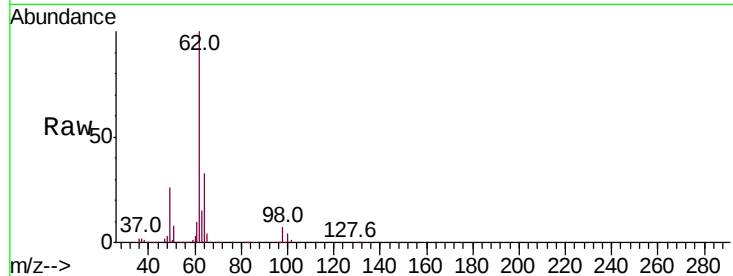
Ion 50.10 (49.80 to 50.80): VL0





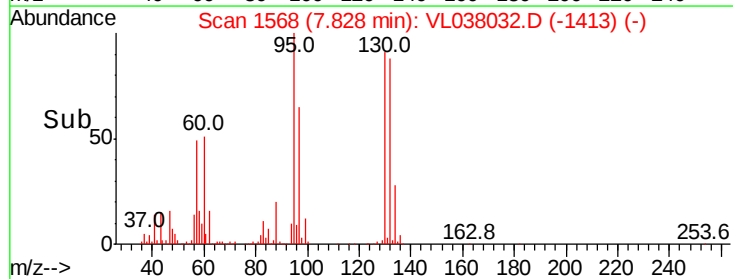
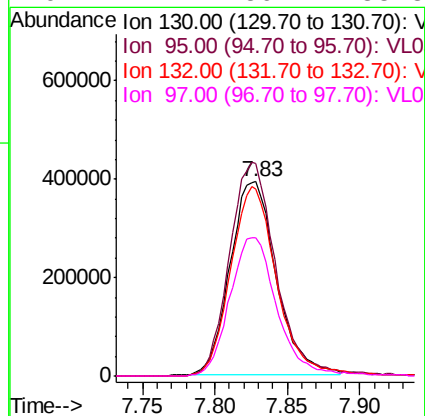
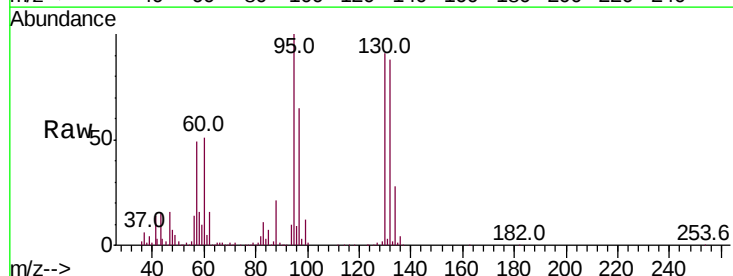
#37
 1,2-Dichloroethane
 Concen: 9.353 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

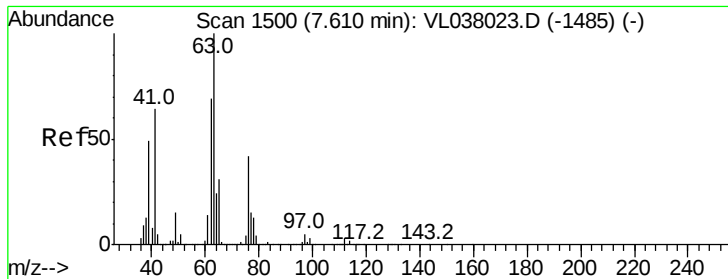
Tot Ion: 62 Resp: 1164507
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.0 9.0



#38
 Trichloroethene
 Concen: 7.951 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

Tgt Ion: 130 Resp: 866445
 Ion Ratio Lower Upper
 130 100
 95 110.1 90.5 135.7
 132 96.3 77.4 116.0
 97 71.2 59.2 88.8





#39

1,2-Dichloropropane

Concen: 8.916 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 8:47

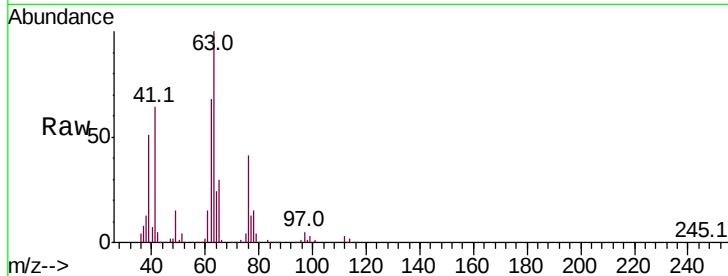
Tot Ion: 63 Resp: 924547

Ion Ratio Lower Upper

63 100

41 64.4 51.1 76.7

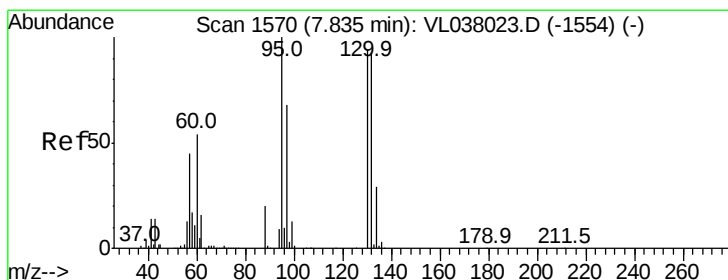
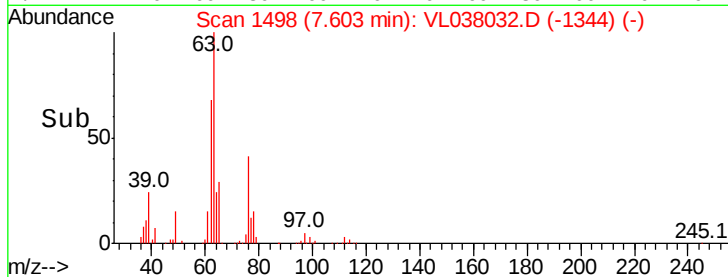
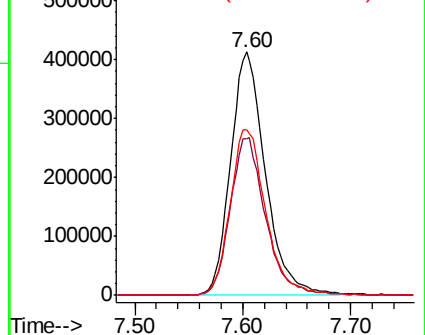
62 68.0 55.2 82.8



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: 7.976 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

Tgt Ion: 88 Resp: 213283

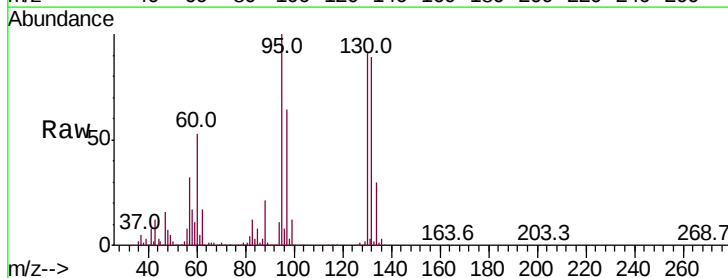
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

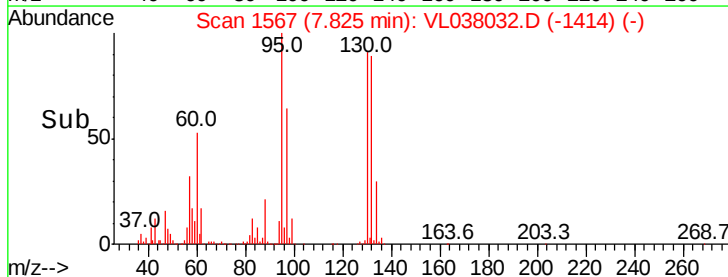
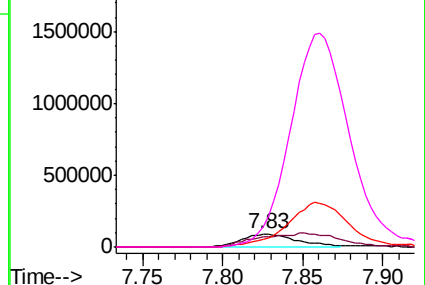


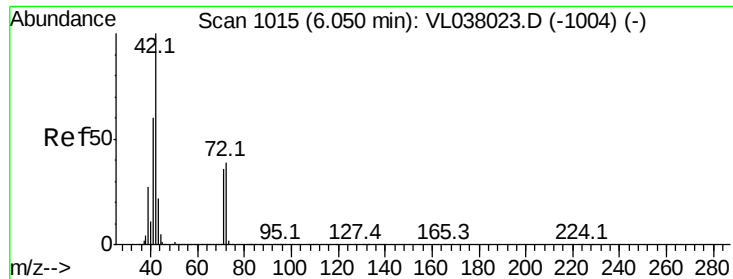
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

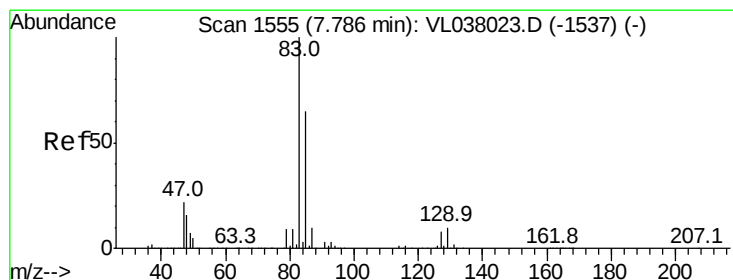
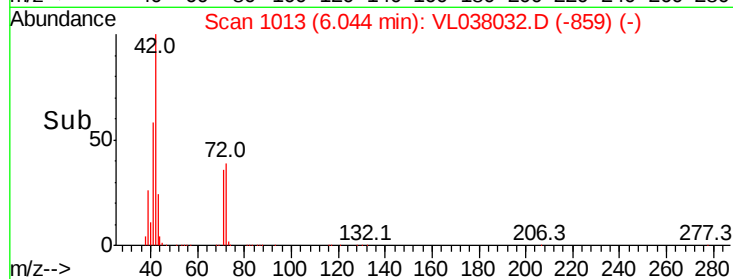
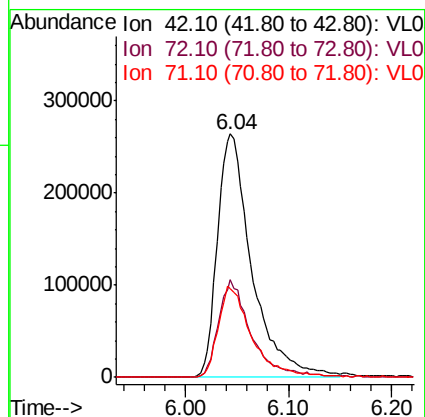
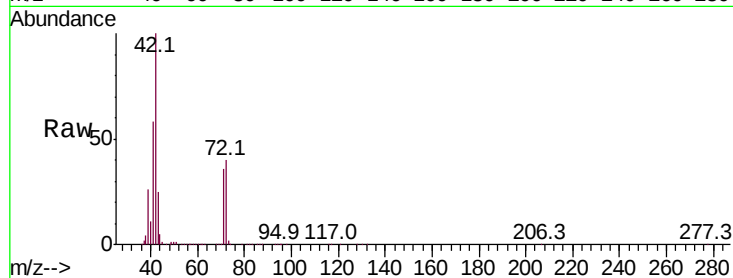
Ion 57.10 (56.80 to 57.80): VL0





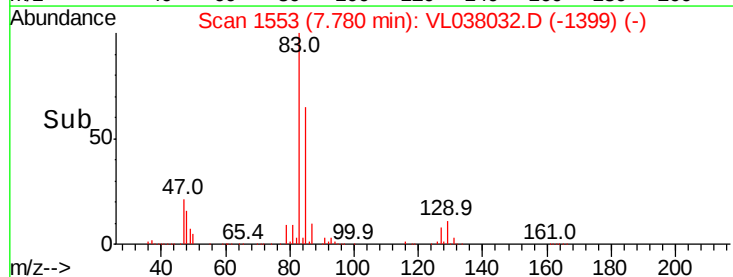
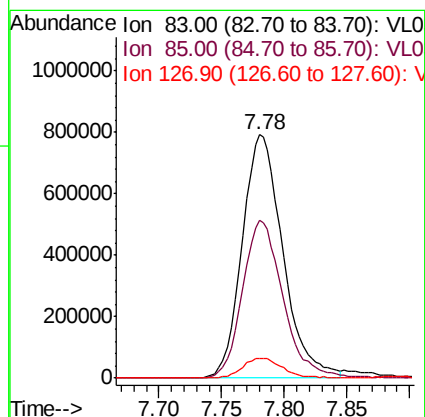
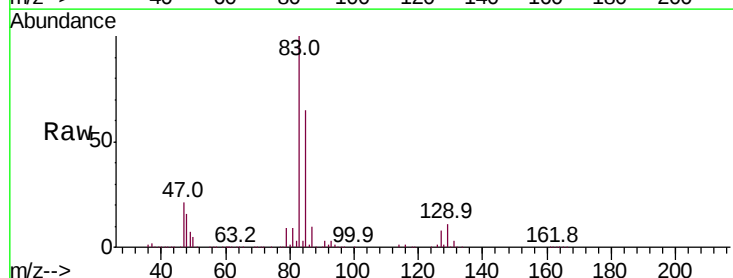
#41
Tetrahydrofuran
Concen: 9.190 ppbv
RT: 6.04
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 8:47

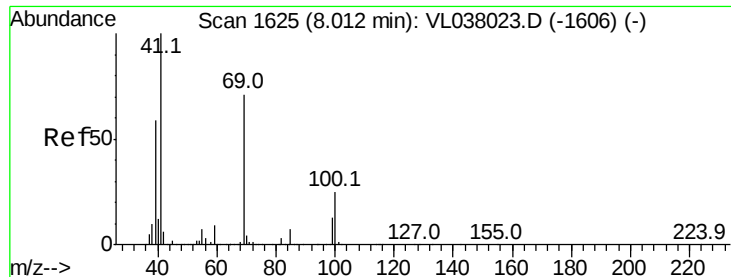
Tot Ion: 42 Resp: 613347
Ion Ratio Lower Upper
42 100
72 38.5 31.3 46.9
71 37.0 29.7 44.5



#42
Bromodichloromethane
Concen: 9.136 ppbv
RT: 7.78 min Scan# 1553
Delta R.T.: -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

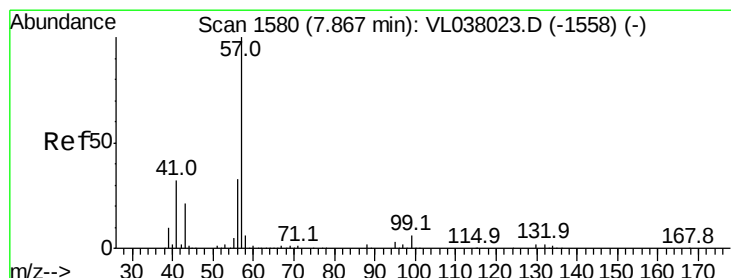
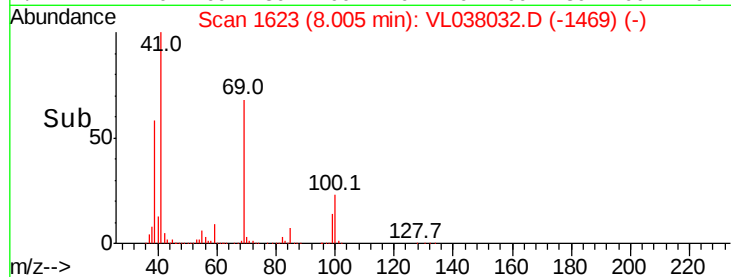
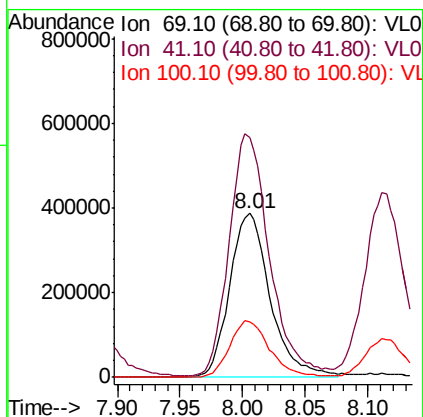
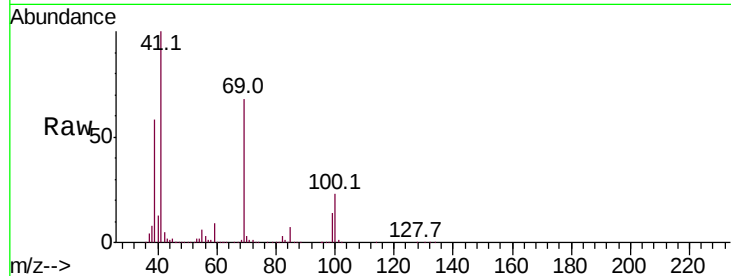
Tgt Ion: 83 Resp: 1790695
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4
127 8.2 6.6 10.0





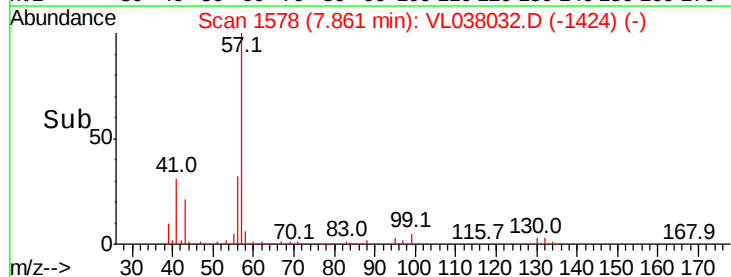
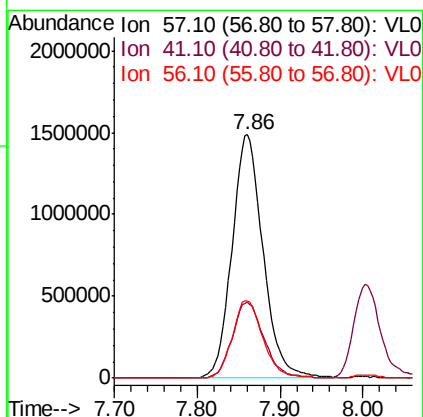
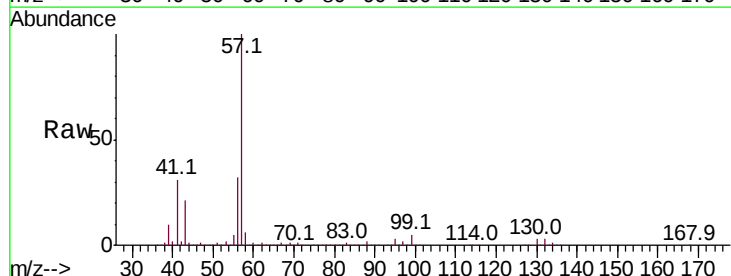
#43
Methyl Methacrylate
Concen: 9.090 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 8:47

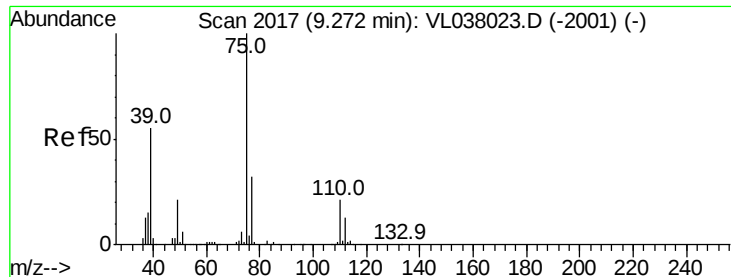
Tot Ion	69	Resp	869739
Ion	Ratio	Lower	Upper
69	100		
41	148.4	116.6	174.8
100	34.2	27.0	40.6



#44
2,2,4-Trimethylpentane
Concen: 8.413 ppbv
RT: 7.86 min Scan# 1578
Delta R.T.: -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

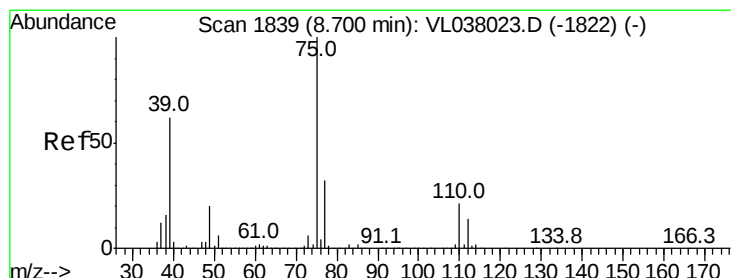
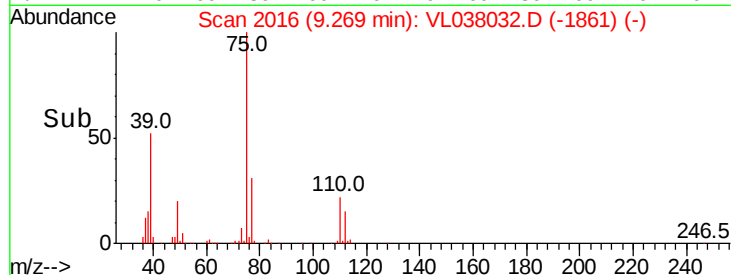
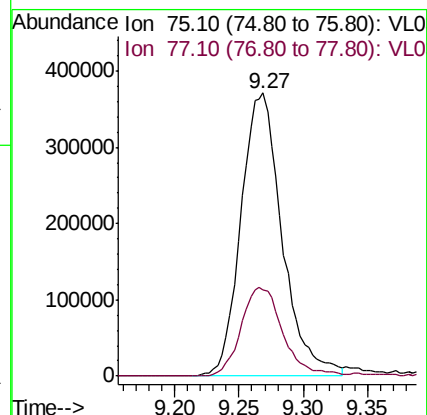
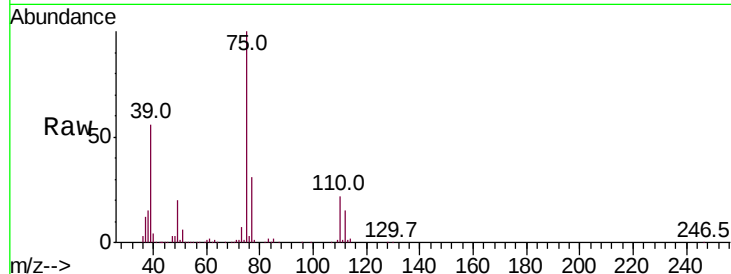
Tgt Ion	57	Resp	3876939
Ion	Ratio	Lower	Upper
57	100		
41	31.8	26.2	39.2
56	31.5	25.5	38.3





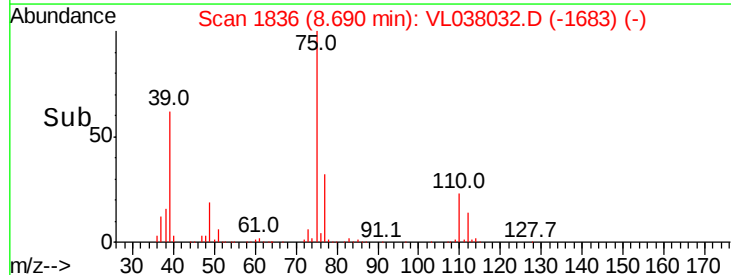
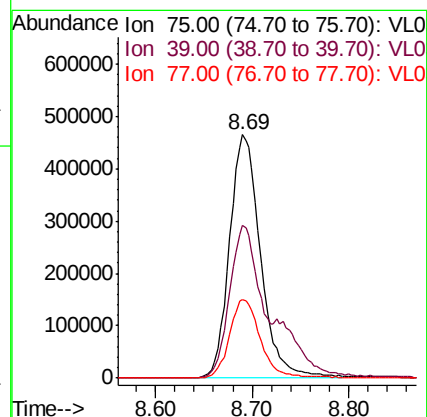
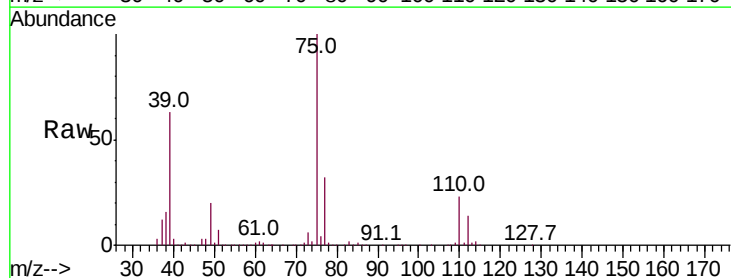
#45
 t-1,3-Dichloropropene
 Concen: 10.431 ppbv
 RT: 9.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

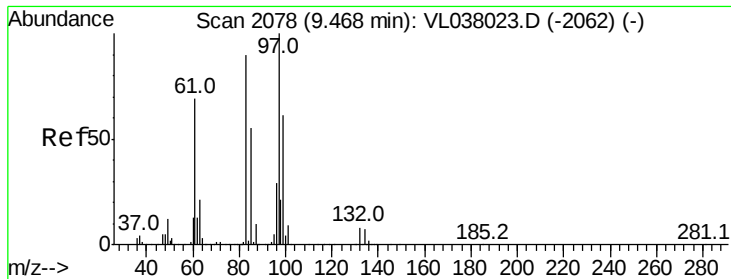
Tot Ion: 75 Resp: 826578
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 10.005 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

Tgt Ion: 75 Resp: 1036176
 Ion Ratio Lower Upper
 75 100
 39 62.6 49.2 73.8
 77 32.2 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.081 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 8:47

Tot Ion: 97 Resp: 956428

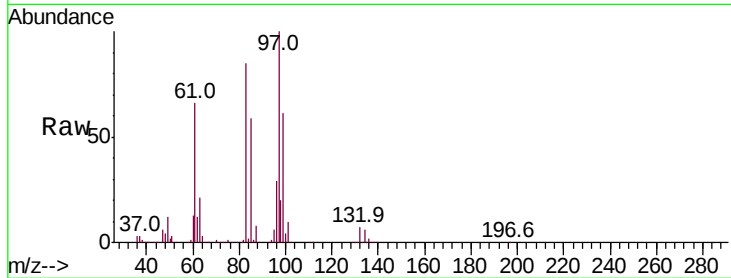
Ion Ratio Lower Upper

97 100

83 85.0 72.2 108.4

85 58.9 43.8 65.8

99 61.5 49.0 73.4

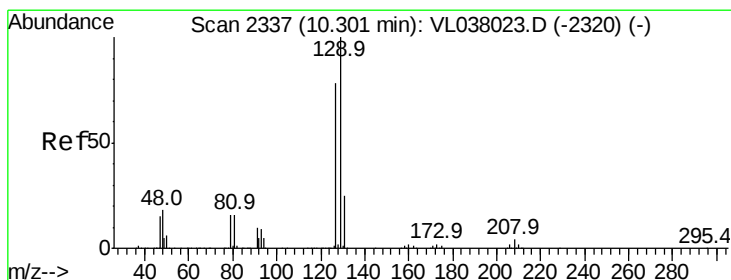
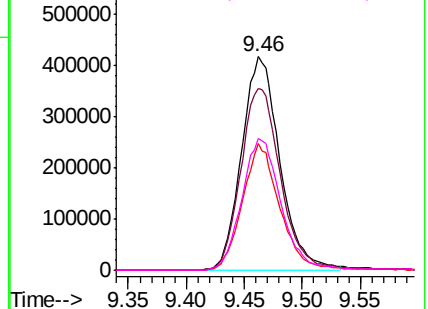
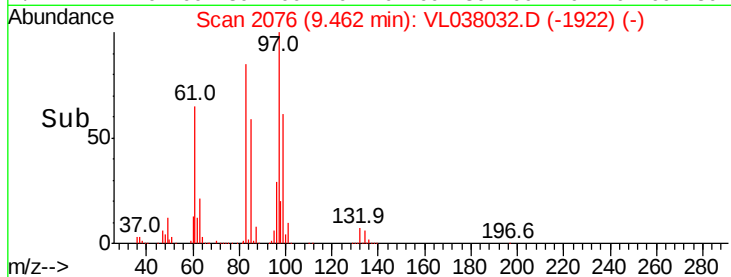


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.338 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.01 min

Lab File: VL038032.D

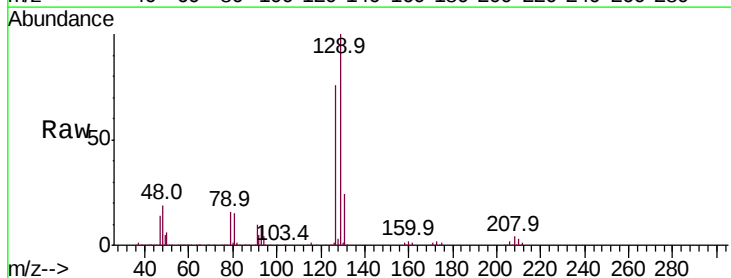
Acq: 16 Nov 2021 8:47

Tgt Ion: 129 Resp: 1599004

Ion Ratio Lower Upper

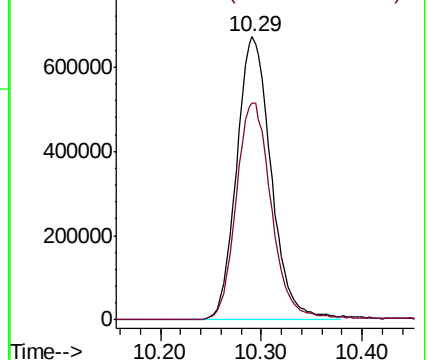
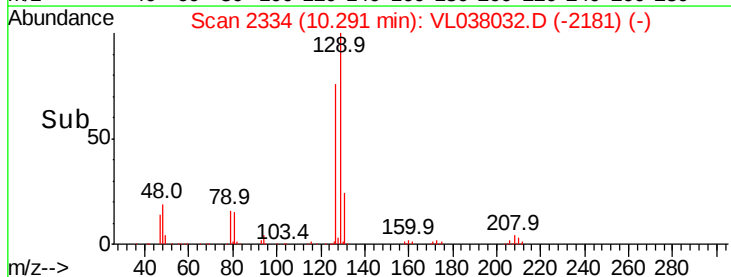
129 100

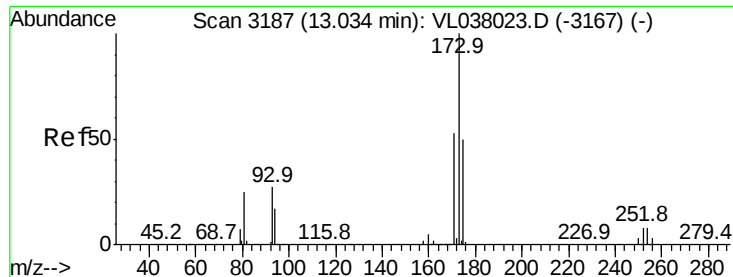
127 79.5 40.1 120.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.441 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 8:47

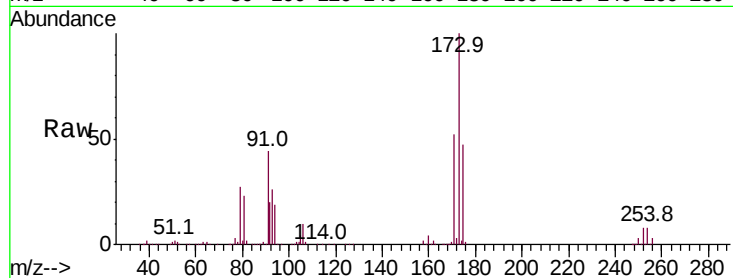
Tot Ion: 173 Resp: 1247456

Ion Ratio Lower Upper

173 100

175 50.9 41.6 62.4

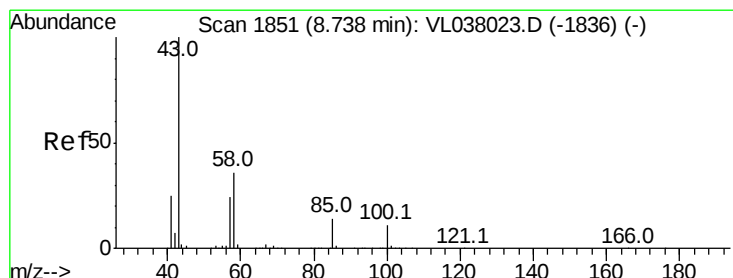
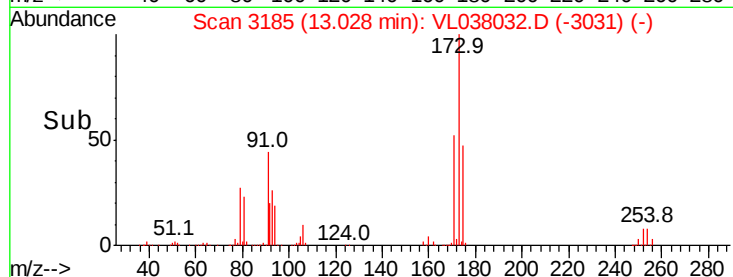
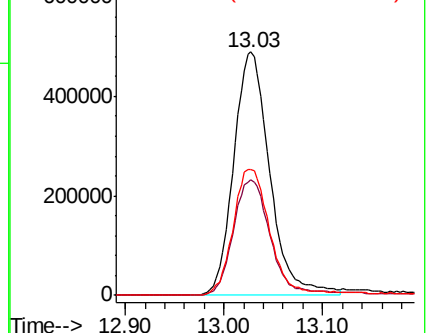
171 55.0 44.4 66.6



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: 9.158 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL038032.D

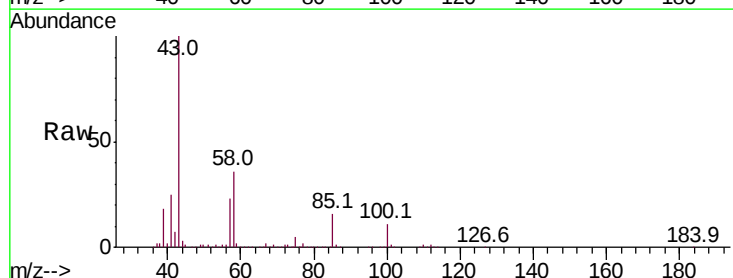
Acq: 16 Nov 2021 8:47

Tgt Ion: 43 Resp: 1536088

Ion Ratio Lower Upper

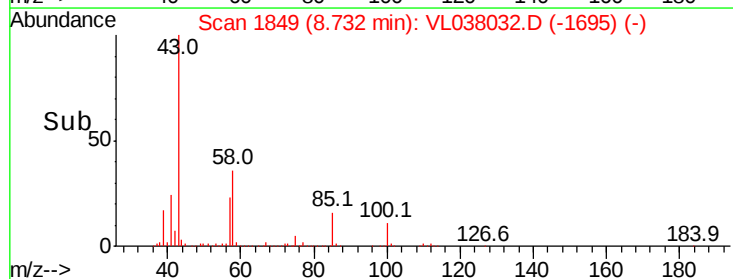
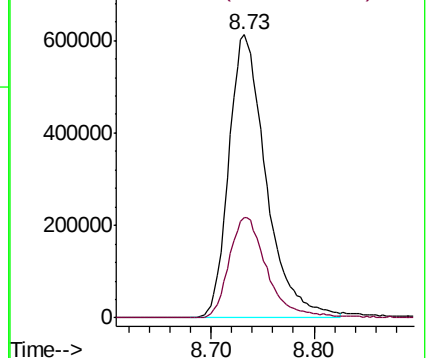
43 100

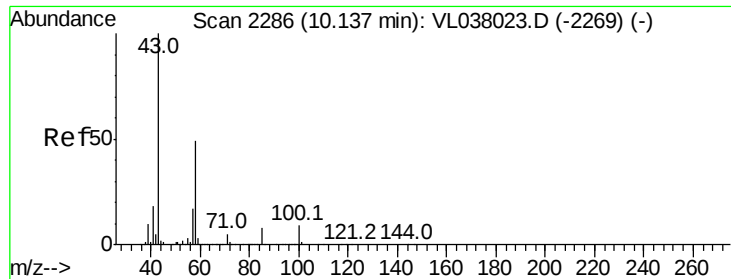
58 36.4 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

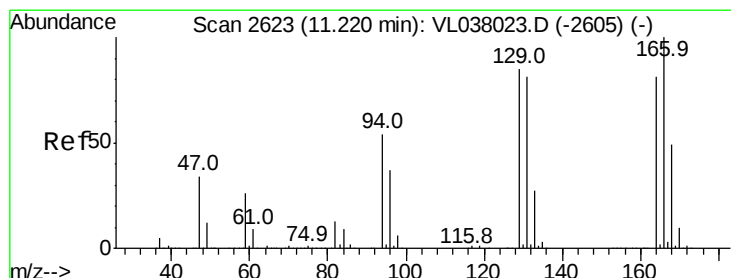
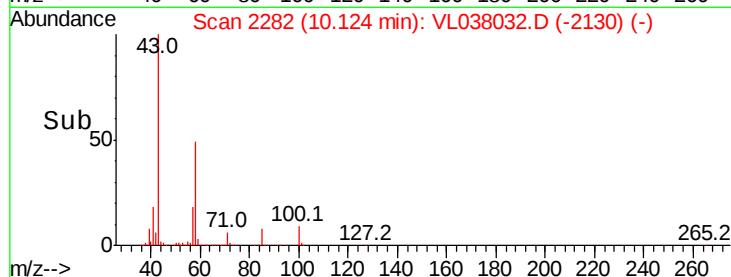
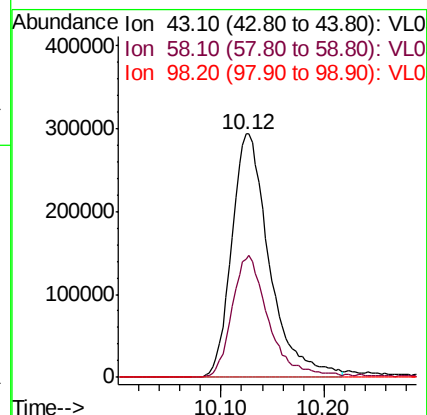
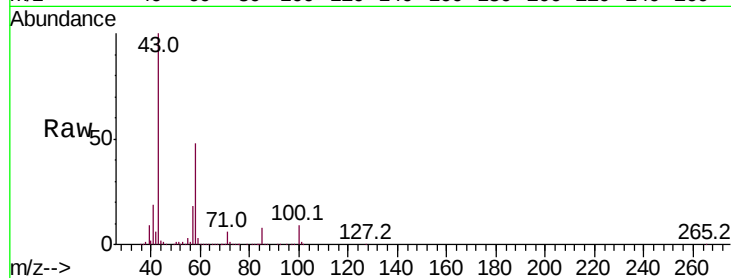
Ion 58.10 (57.80 to 58.80): VL0





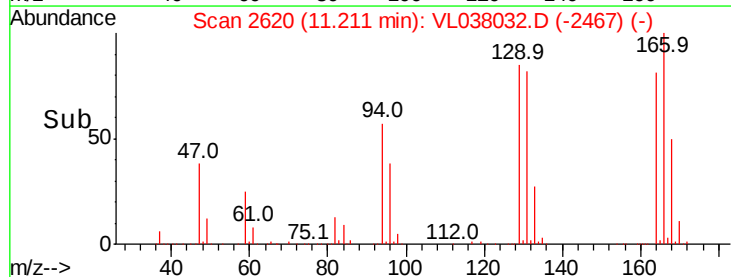
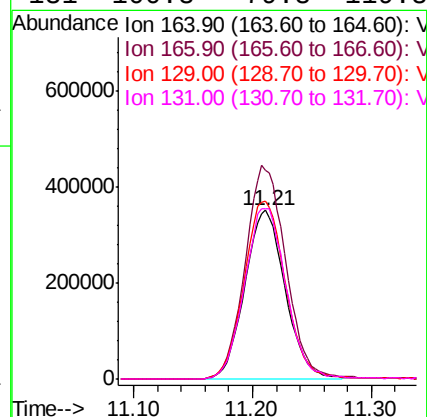
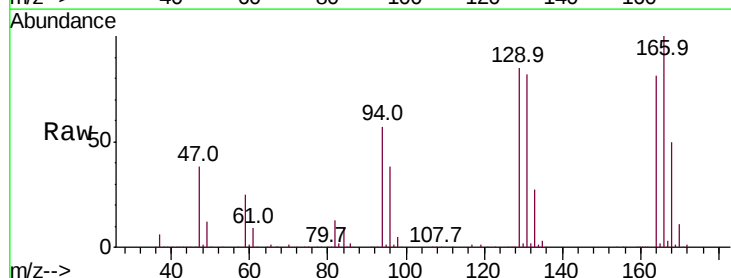
#51
 2-Hexanone
 Concen: 9.552 ppbv
 RT: 10.12 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

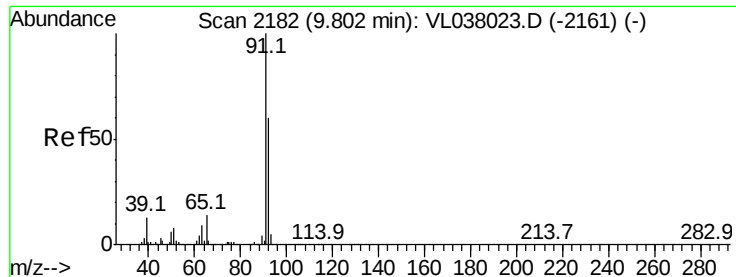
Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	41.4	62.0
98	0.0	0.1	0.1#



#52
 Tetrachloroethene
 Concen: 8.108 ppbv
 RT: 11.21 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	98.6	148.0
129	105.6	84.1	126.1
131	100.8	79.8	119.8





#53

Toluene

Concen: 8.829 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

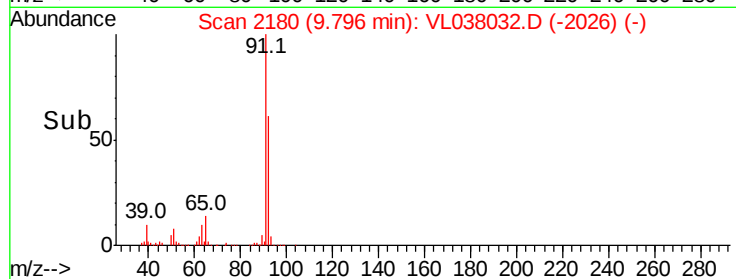
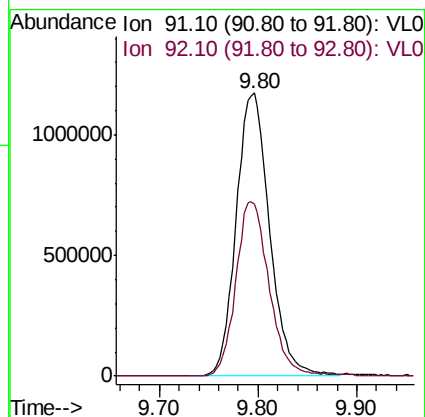
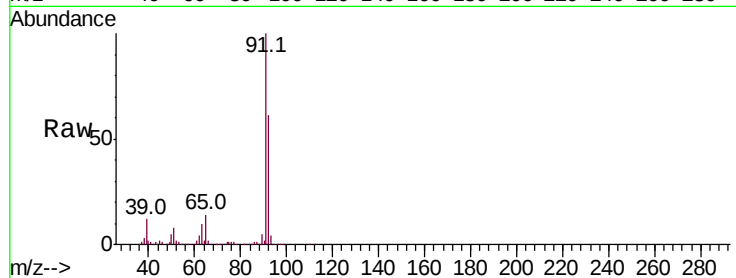
Acq: 16 Nov 2021 8:47

Tot Ion: 91 Resp: 2769566

Ion Ratio Lower Upper

91 100

92 61.6 49.5 74.3



#54

1,2-Dibromoethane

Concen: 9.483 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VL038032.D

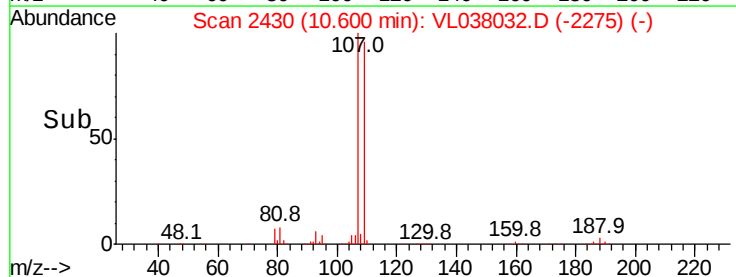
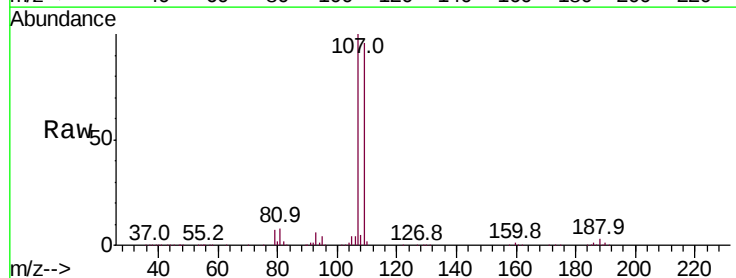
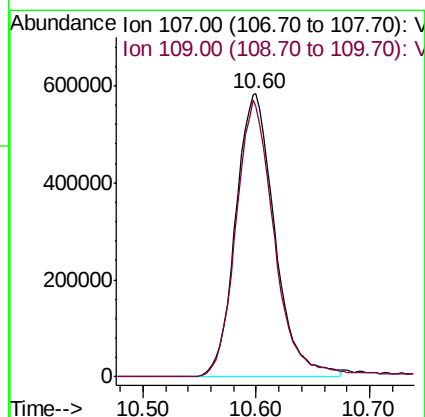
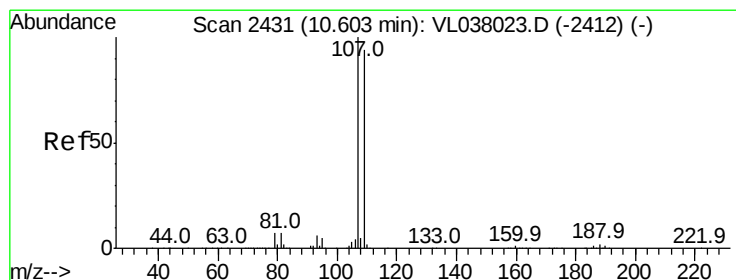
Acq: 16 Nov 2021 8:47

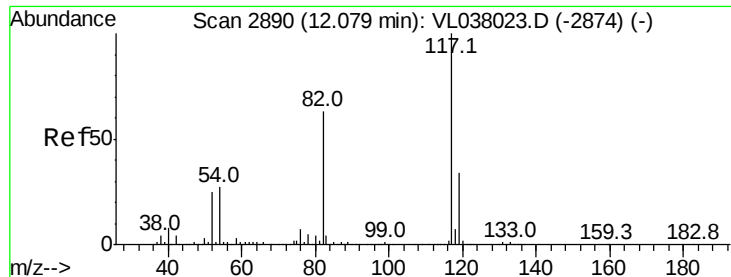
Tgt Ion: 107 Resp: 1399388

Ion Ratio Lower Upper

107 100

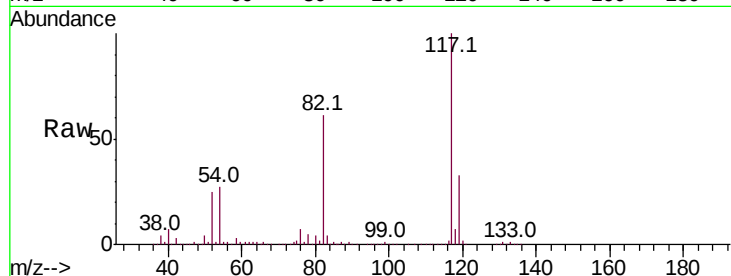
109 95.7 75.0 112.6



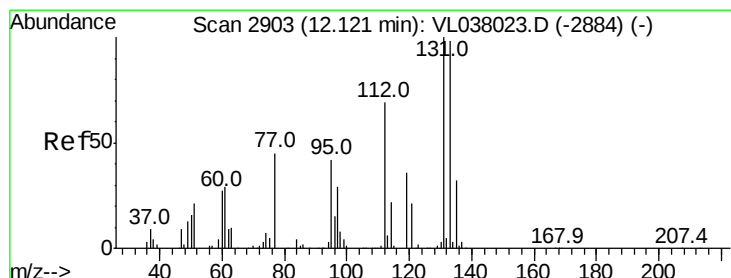
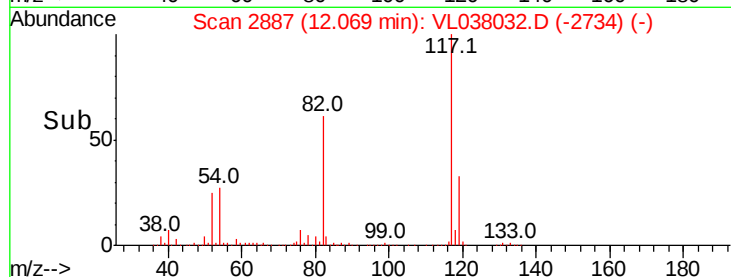
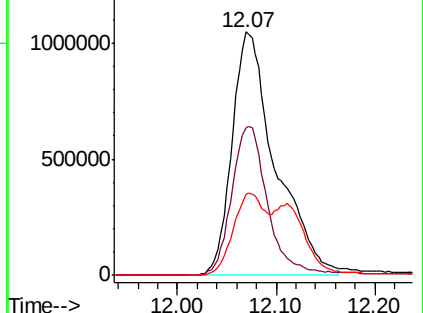


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 8:47

Tot Ion:117 Resp: 3221239
Ion Ratio Lower Upper
117 100
82 52.5 50.0 75.0
119 26.0 44.6 67.0#

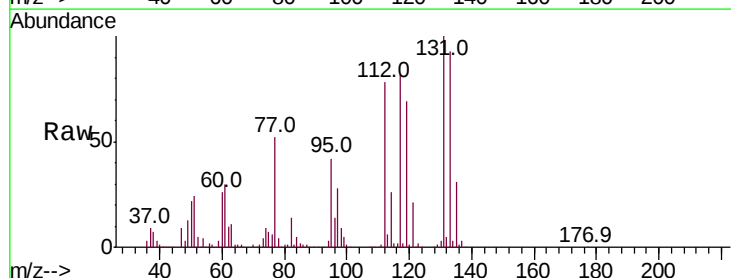


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

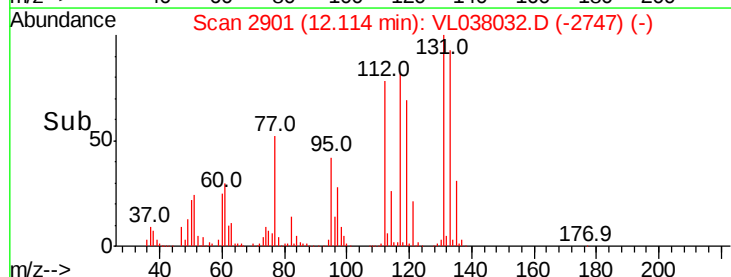
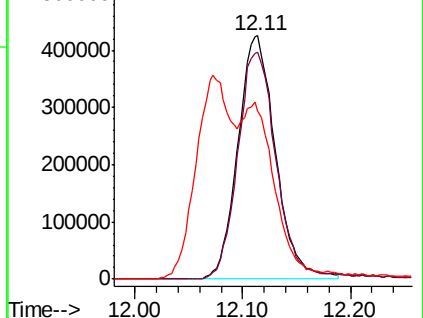


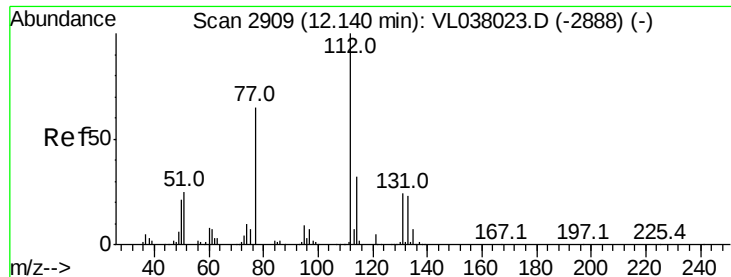
#56
1,1,1,2-Tetrachloroethane
Concen: 7.338 ppbv
RT: 12.11 min Scan# 2901
Delta R.T.: -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

Tgt Ion:131 Resp: 1032077
Ion Ratio Lower Upper
131 100
133 98.2 79.4 119.2
119 69.4 122.4 183.6#



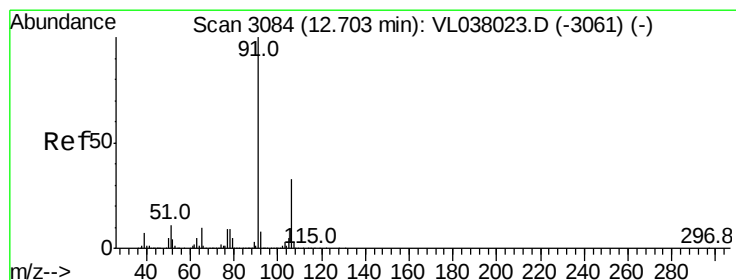
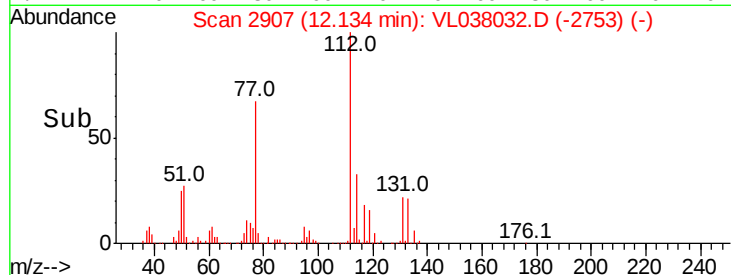
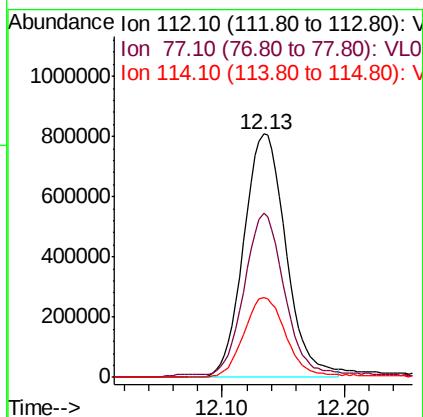
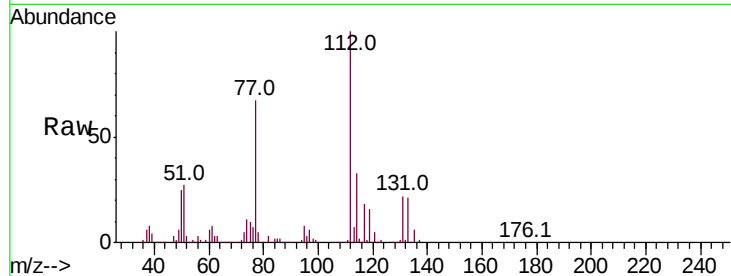
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





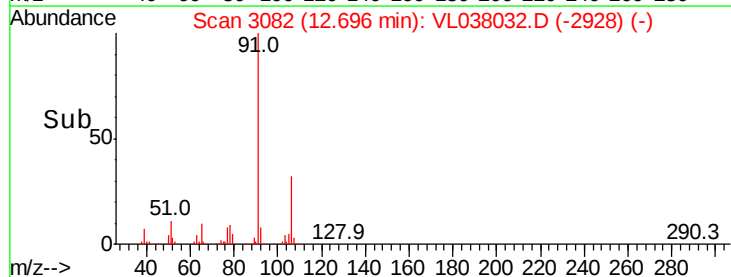
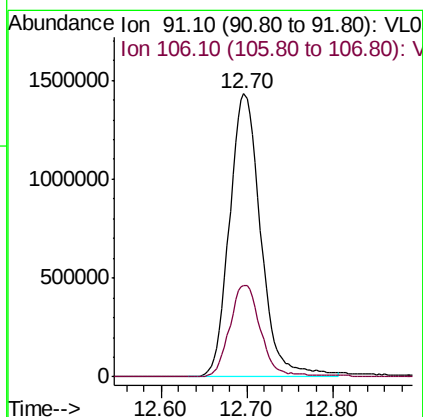
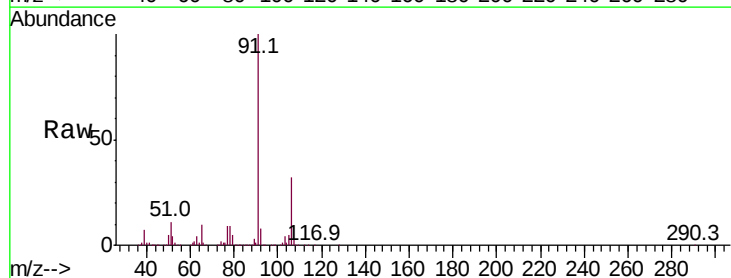
#57
Chlorobenzene
Concen: 7.330 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 8:47

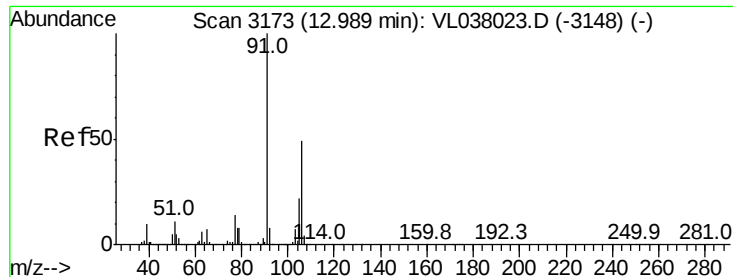
Tot Ion: 112 Resp: 1936140
Ion Ratio Lower Upper
112 100
77 65.9 52.1 78.1
114 32.5 29.1 35.5



#58
Ethyl Benzene
Concen: 7.417 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

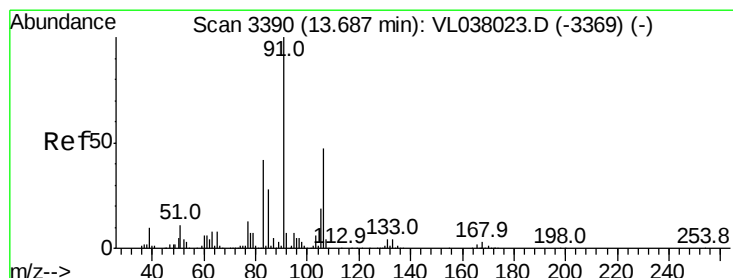
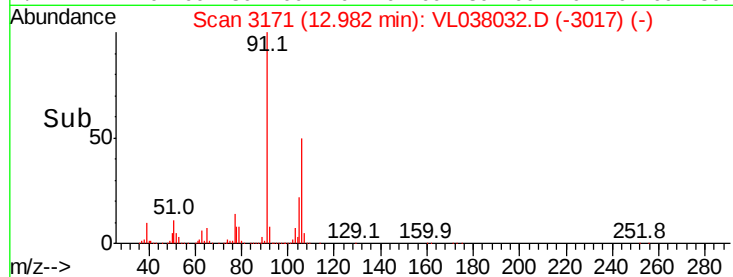
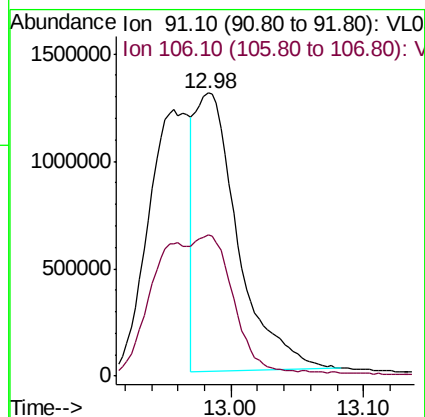
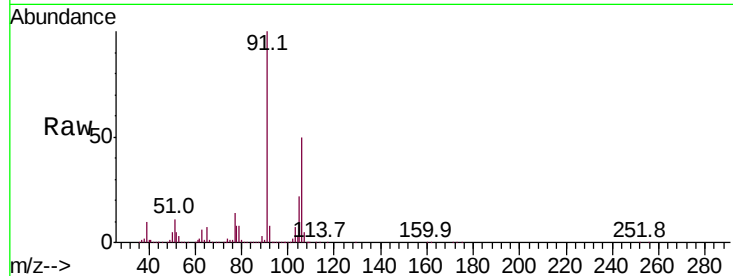
Tgt Ion: 91 Resp: 3628598
Ion Ratio Lower Upper
91 100
106 32.4 26.2 39.2





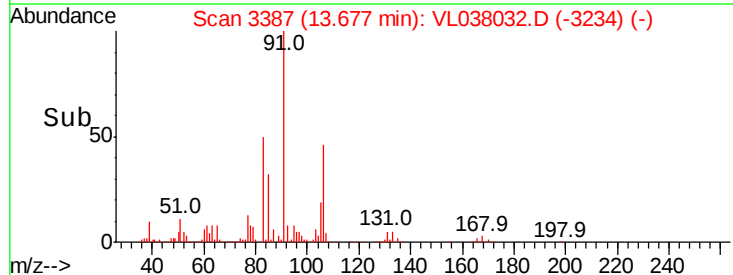
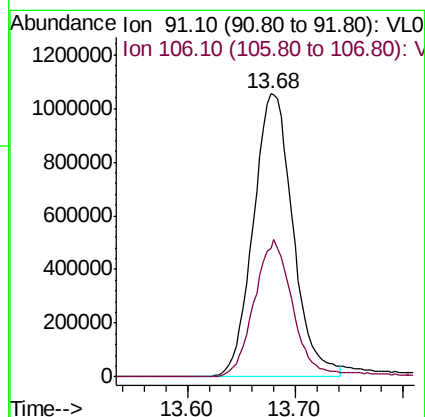
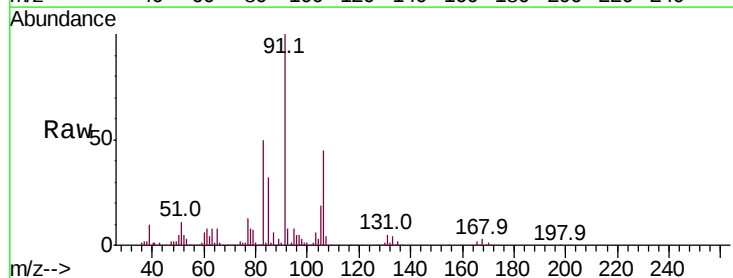
#59
m/p-Xylene
Concen: 7.156 ppbv
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 8:47

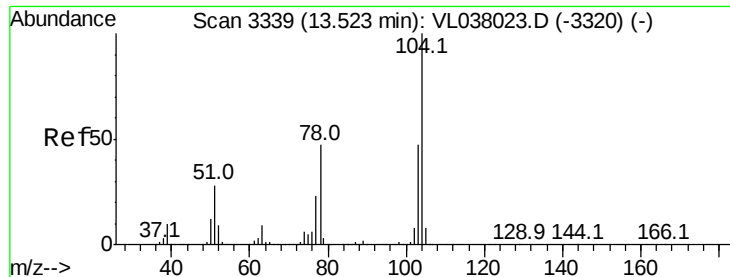
Tot Ion: 91 Resp: 2909241
Ion Ratio Lower Upper
91 100
106 96.3 38.5 57.7#



#60
o-Xylene
Concen: 7.110 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

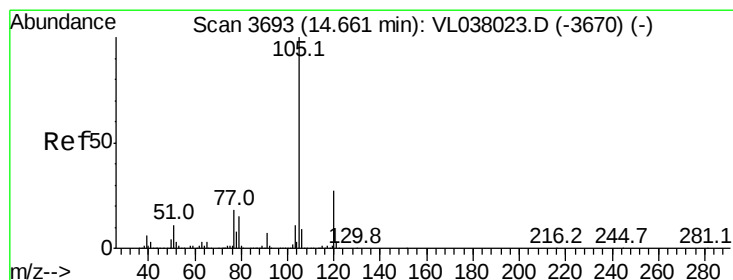
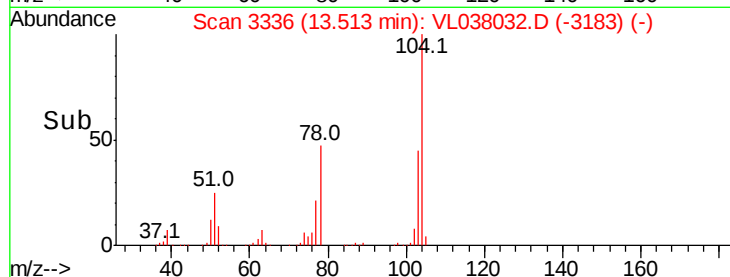
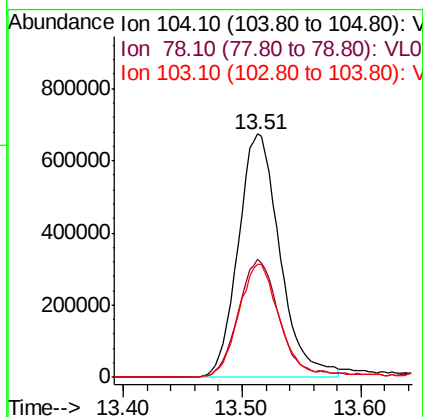
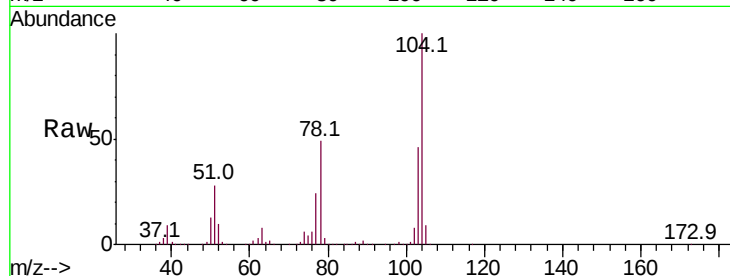
Tgt Ion: 91 Resp: 2682859
Ion Ratio Lower Upper
91 100
106 48.9 24.4 73.2





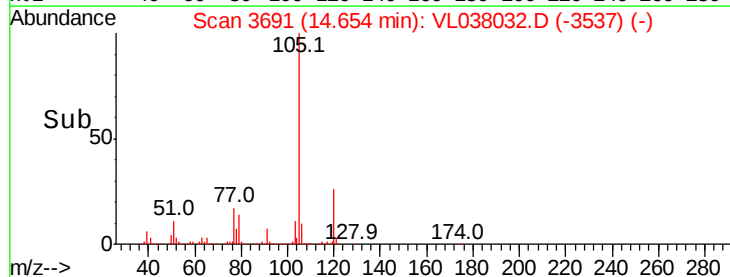
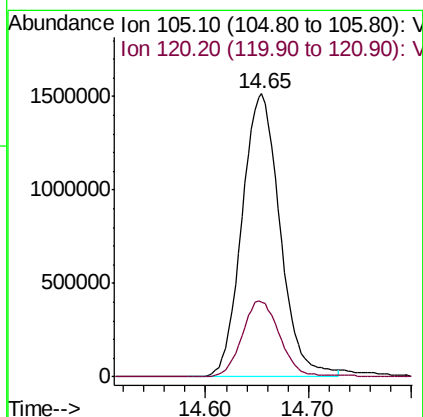
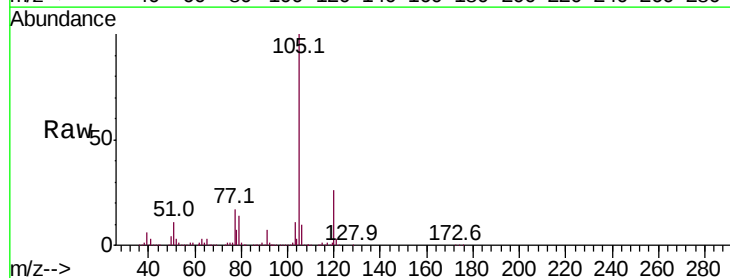
#61
Stvrene
Concen: 7.775 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 8:47

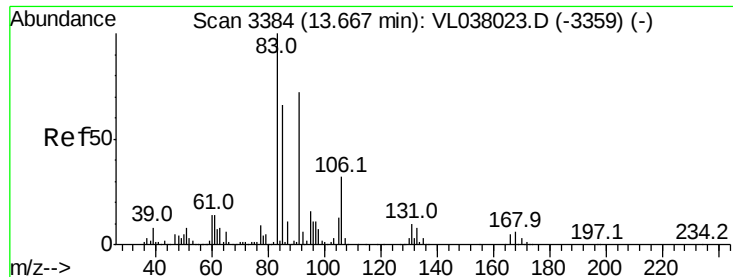
Tot Ion:104 Resp: 1636119
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 47.5 36.7 55.1



#62
Isopropylbenzene
Concen: 7.123 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

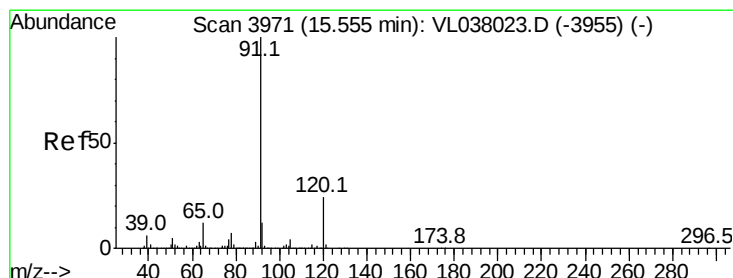
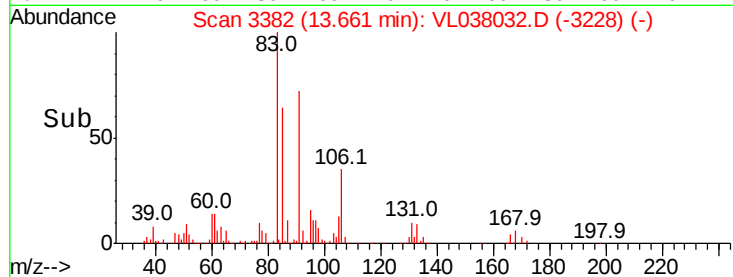
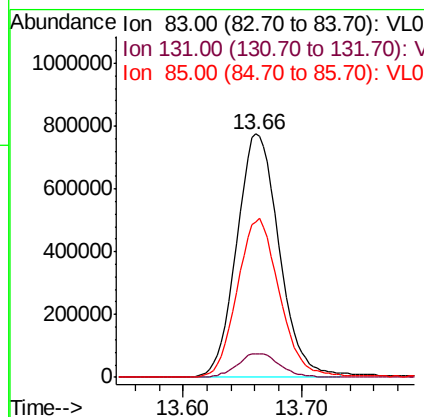
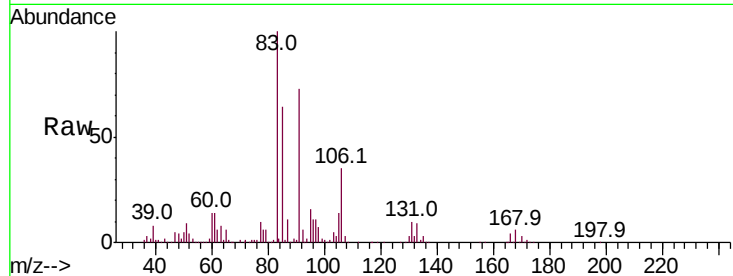
Tgt Ion:105 Resp: 3886528
Ion Ratio Lower Upper
105 100
120 27.1 21.7 32.5





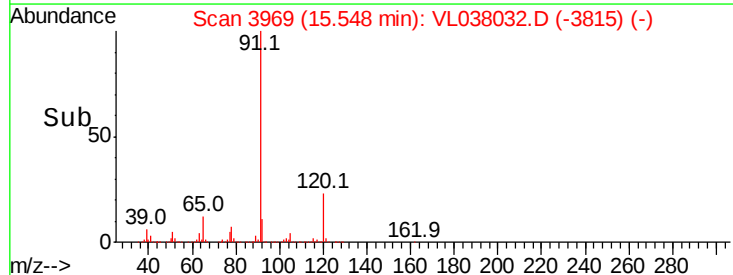
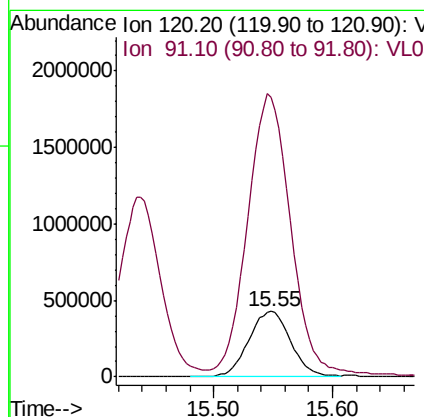
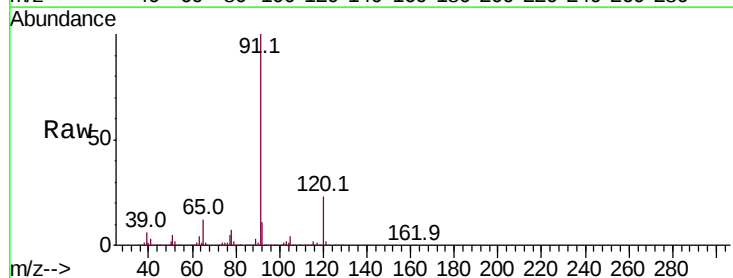
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.740 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

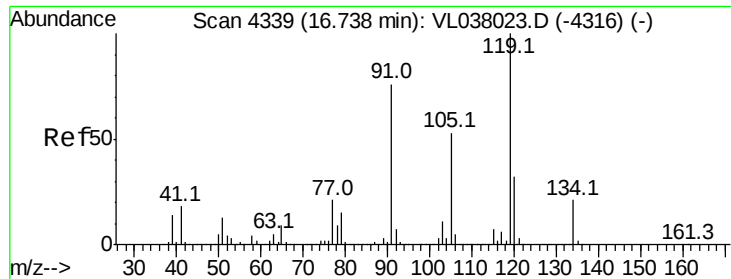
Tot Ion: 83 Resp: 1901569
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.0 14.9
 85 66.1 33.4 100.2



#64
 n-propylbenzene
 Concen: 7.564 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

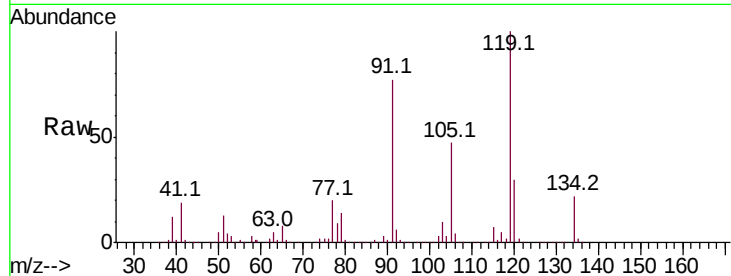
Tgt Ion:120 Resp: 1052084
 Ion Ratio Lower Upper
 120 100
 91 446.2 366.7 550.1



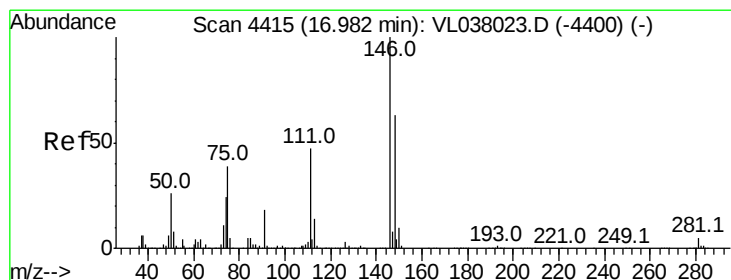
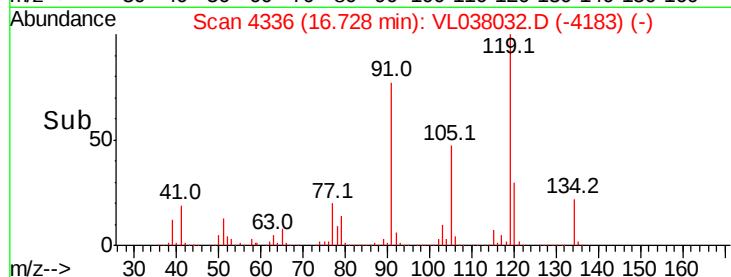
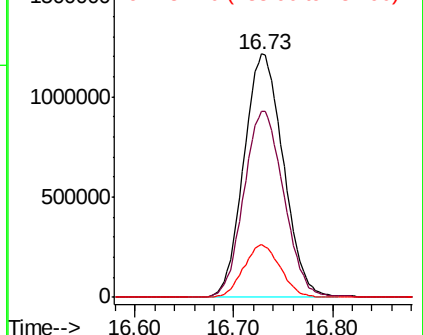


#65
tert-Butylbenzene
Concen: 7.002 ppbv
RT: 16.73 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 8:47

Tot Ion: 119 Resp: 3352298
Ion Ratio Lower Upper
119 100
91 77.5 62.6 94.0
134 20.2 16.1 24.1

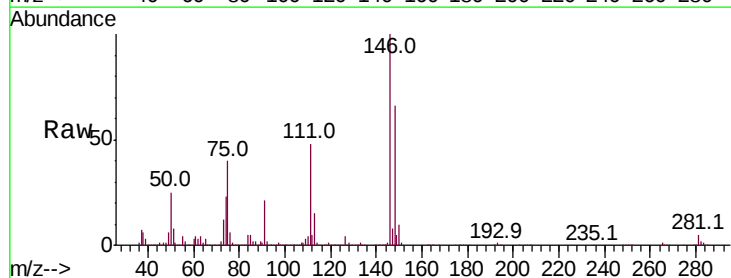


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

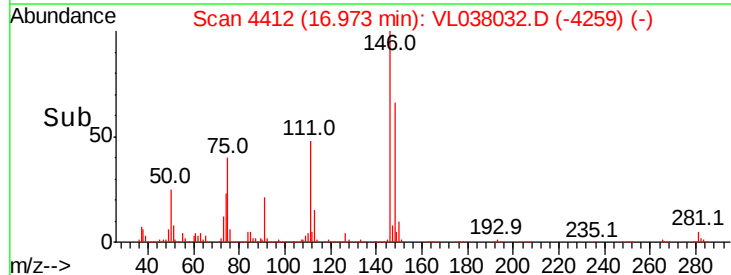
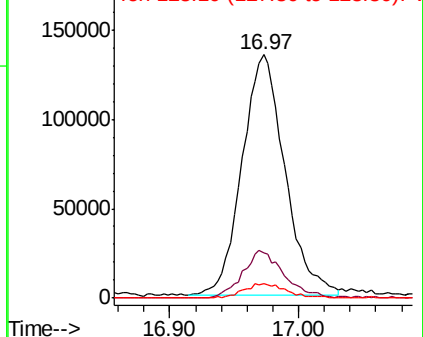


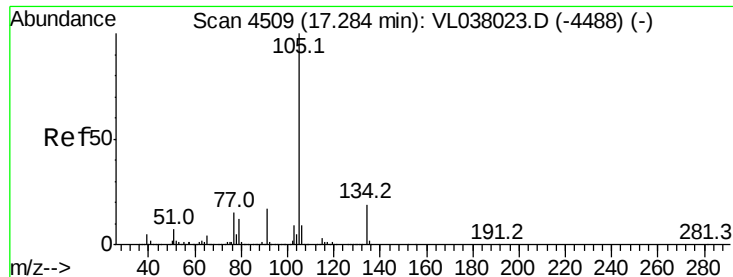
#66
Benzyl Chloride
Concen: 9.302 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. -0.01 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

Tgt Ion: 91 Resp: 311015
Ion Ratio Lower Upper
91 100
126 19.5 16.4 24.6
128 6.2 5.6 8.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.130 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

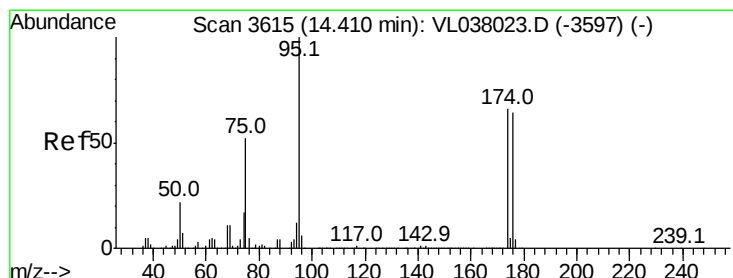
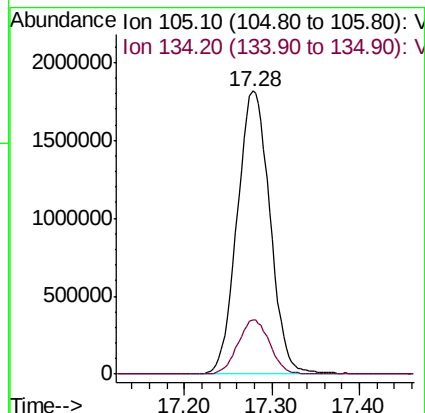
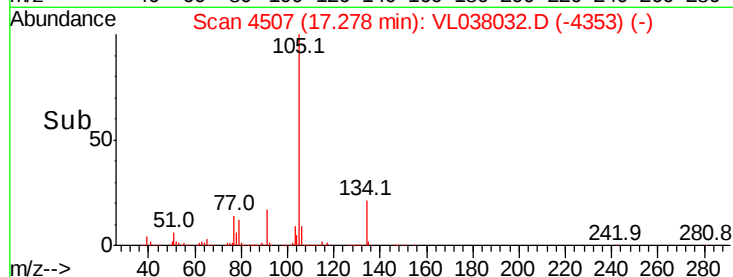
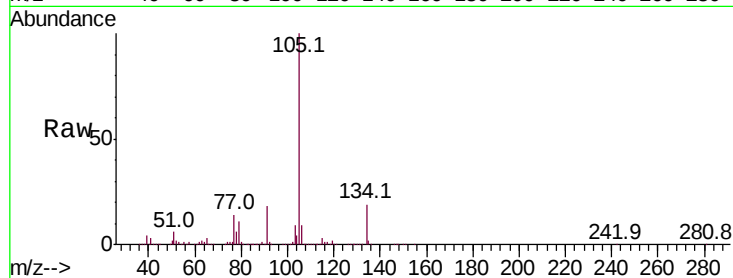
Acq: 16 Nov 2021 8:47

Tot Ion: 105 Resp: 4715767

Ion Ratio Lower Upper

105 100

134 18.7 15.3 22.9



#68

1-Bromo-4-Fluorobenzene

Concen: 8.527 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

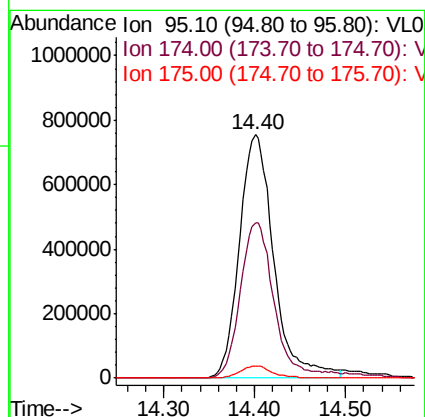
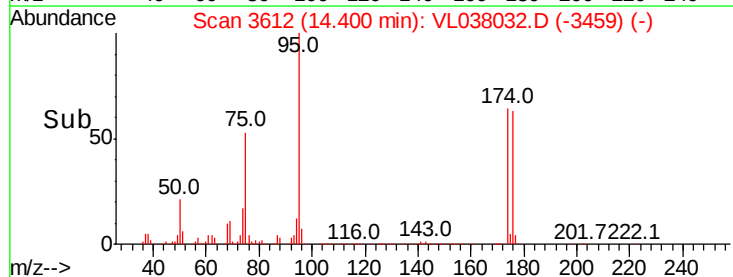
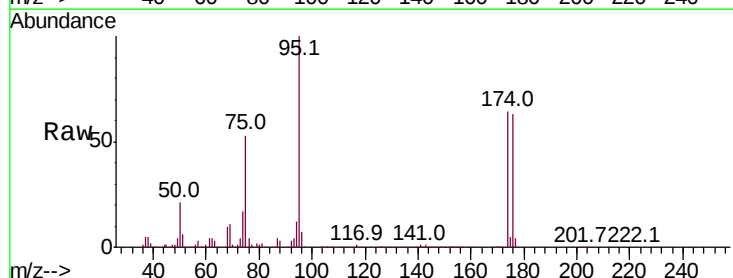
Tgt Ion: 95 Resp: 1984484

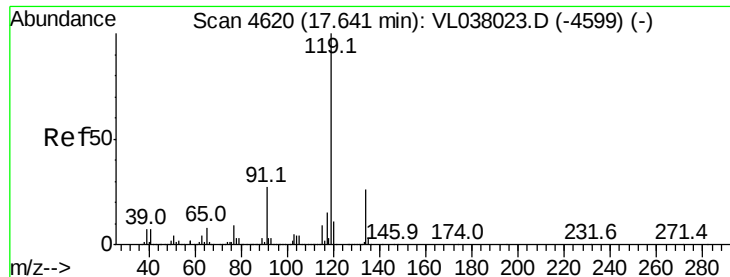
Ion Ratio Lower Upper

95 100

174 65.4 55.0 82.6

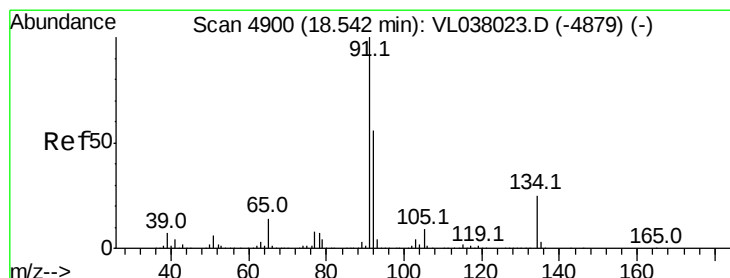
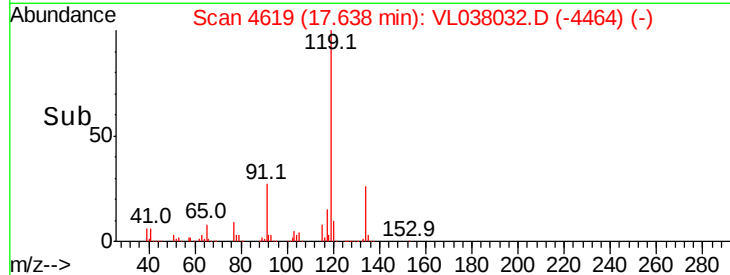
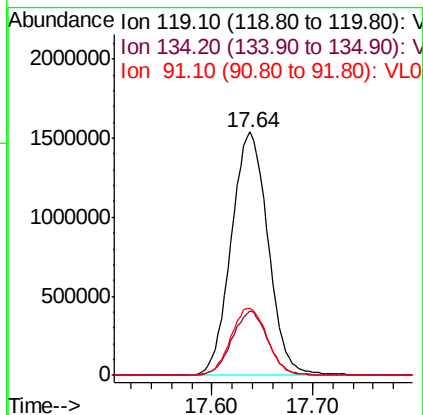
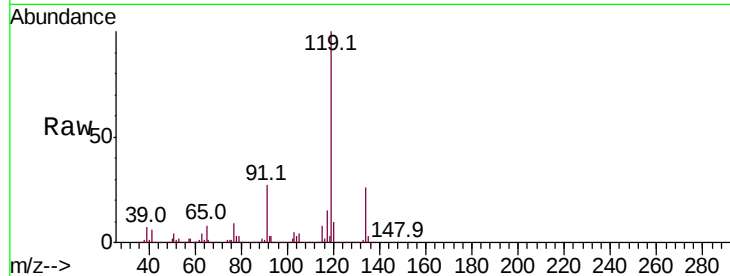
175 5.0 4.2 6.2





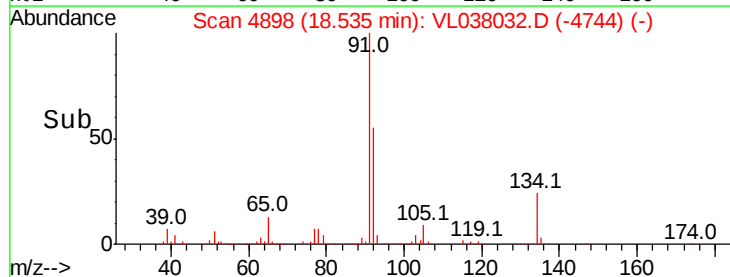
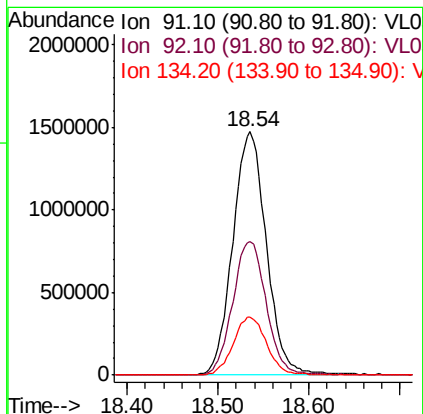
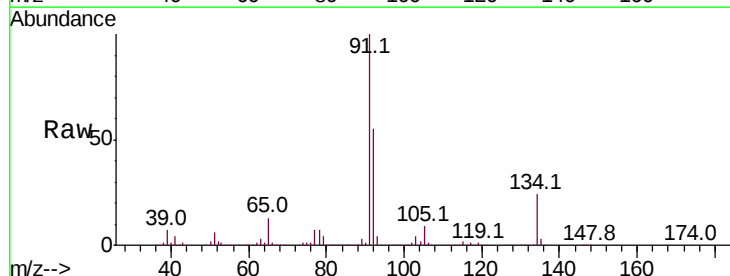
#69
 p-Isopropyltoluene
 Concen: 7.303 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

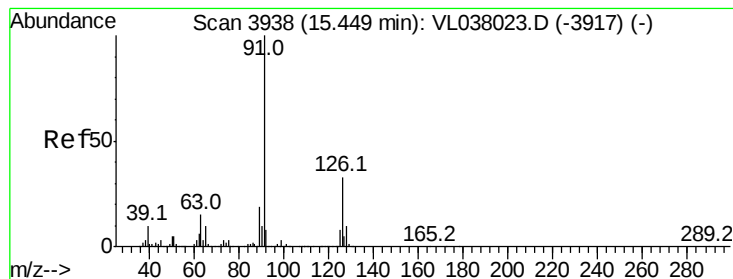
Tot Ion: 119 Resp: 3893613
 Ion Ratio Lower Upper
 119 100
 134 25.9 21.2 31.8
 91 27.7 22.2 33.2



#70
 n-Butylbenzene
 Concen: 7.727 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

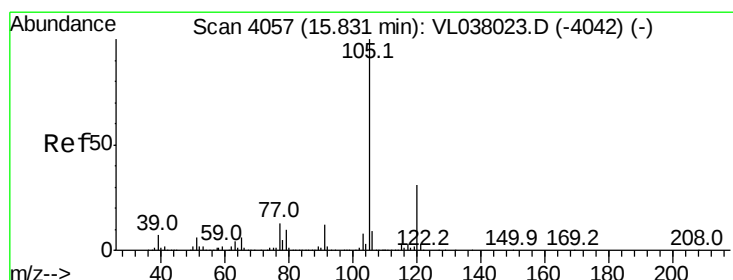
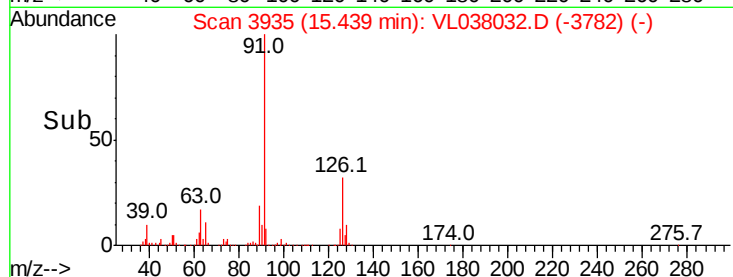
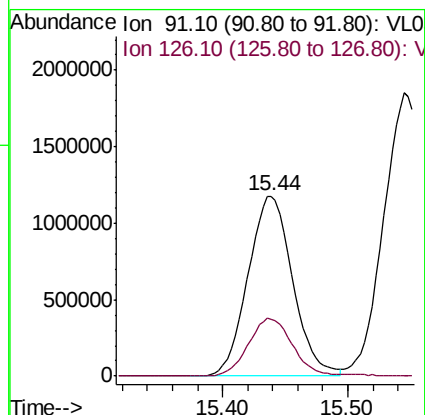
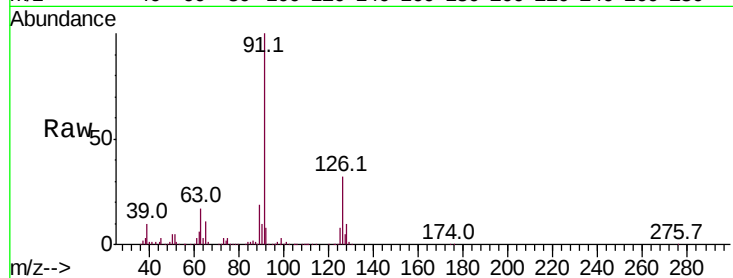
Tgt Ion: 91 Resp: 3776702
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.4 66.6
 134 24.1 19.7 29.5





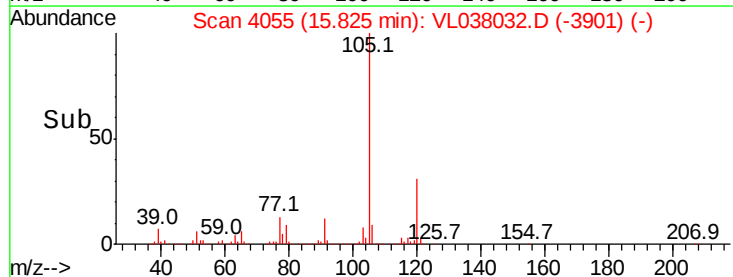
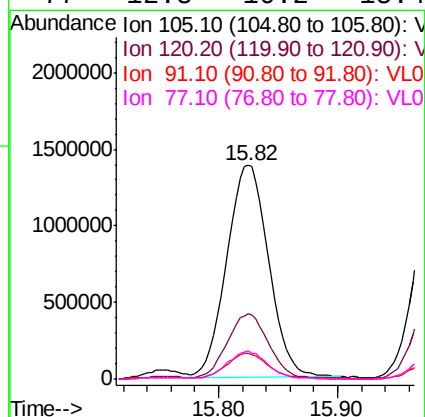
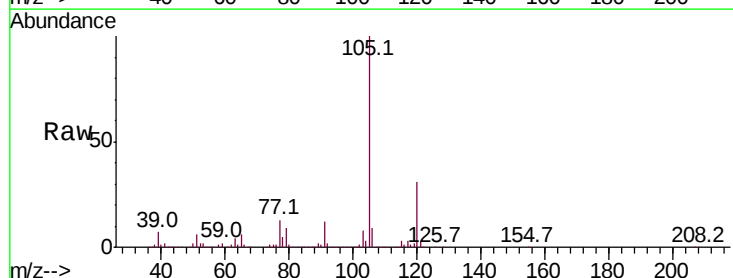
#71
 2-Chlorotoluene
 Concen: 7.469 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 8:47

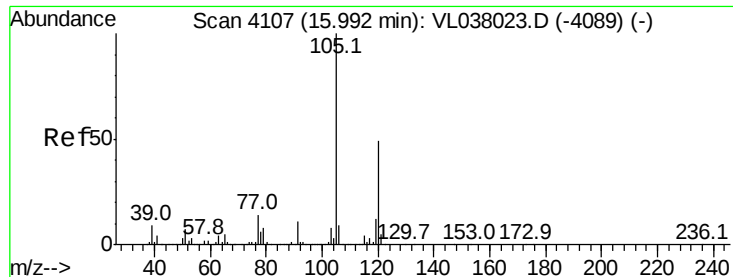
Tot Ion: 91 Resp: 2917021
 Ion Ratio Lower Upper
 91 100
 126 32.9 13.6 54.2



#72
 4-Ethyltoluene
 Concen: 7.507 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.01 min
 Lab File: VL038032.D
 Acq: 16 Nov 2021 8:47

Tgt Ion: 105 Resp: 3377697
 Ion Ratio Lower Upper
 105 100
 120 31.0 24.7 37.1
 91 12.9 9.3 13.9
 77 12.8 10.2 15.4





#73

1,3,5-Trimethylbenzene

Concen: 7.301 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

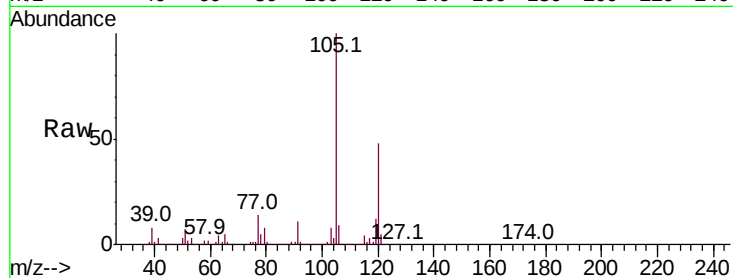
Acq: 16 Nov 2021 8:47

Tot Ion:105 Resp: 3004939

Ion Ratio Lower Upper

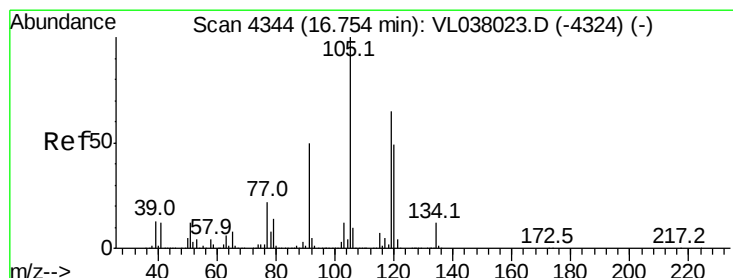
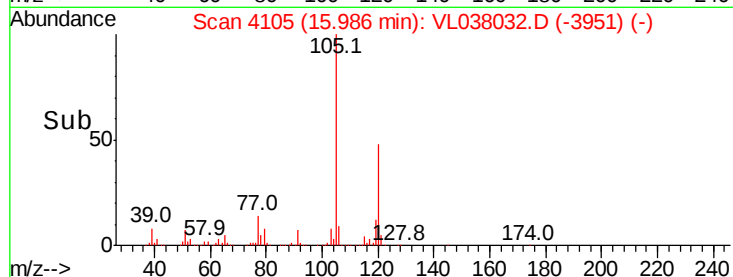
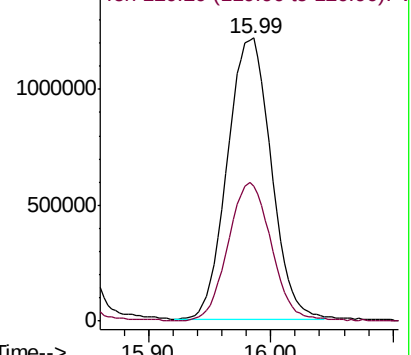
105 100

120 47.7 38.8 58.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.329 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

Tgt Ion:105 Resp: 3037123

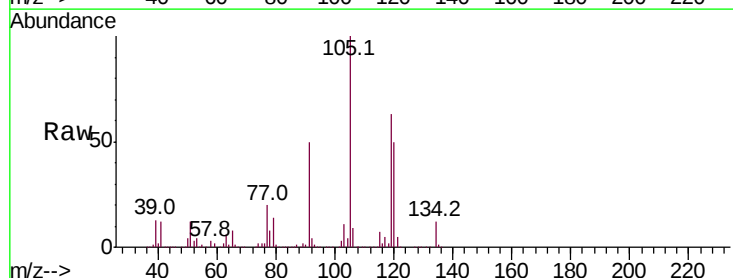
Ion Ratio Lower Upper

105 100

120 50.3 39.5 59.3

91 49.6 40.9 61.3

77 20.1 17.2 25.8

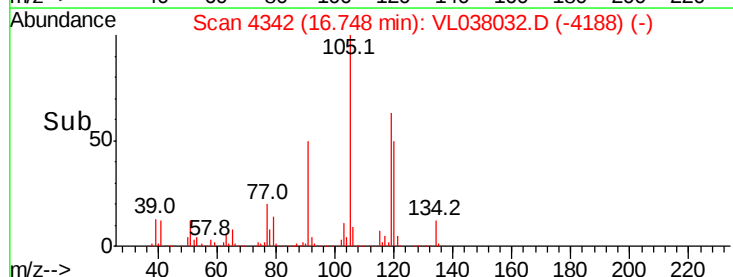
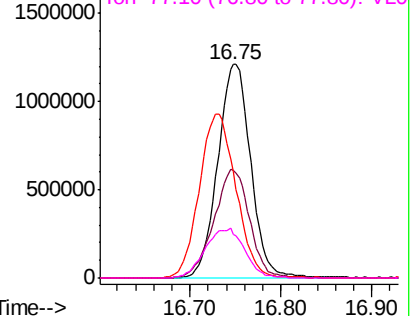


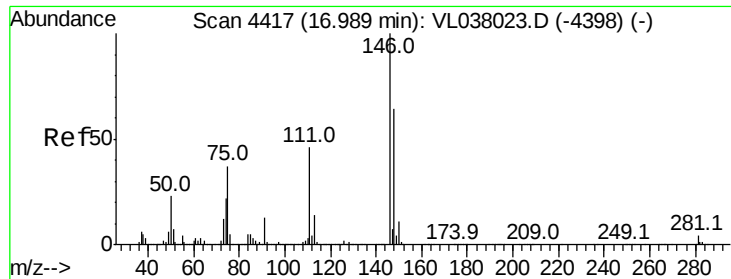
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.906 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 8:47

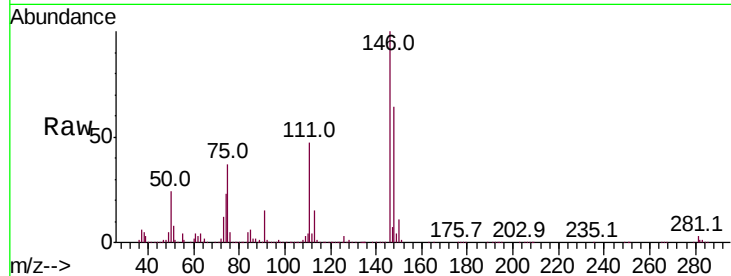
Tot Ion:146 Resp: 1808008

Ion Ratio Lower Upper

146 100

111 46.7 23.2 69.5

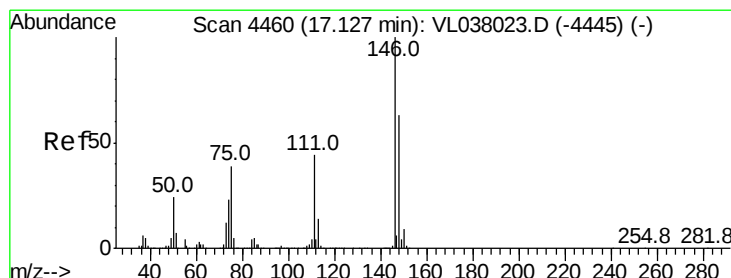
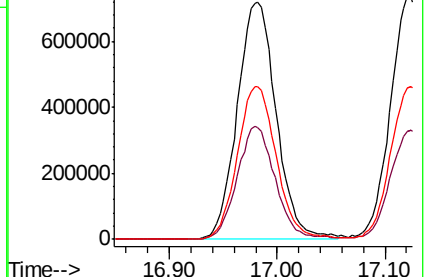
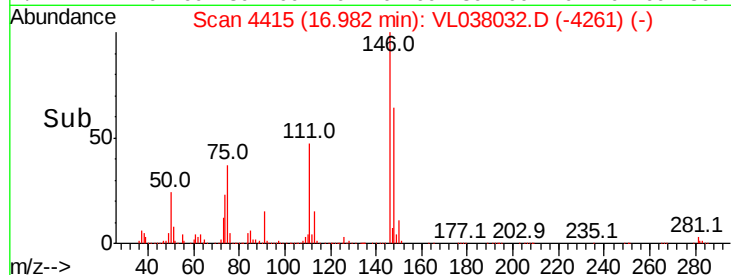
148 64.3 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.575 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.01 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

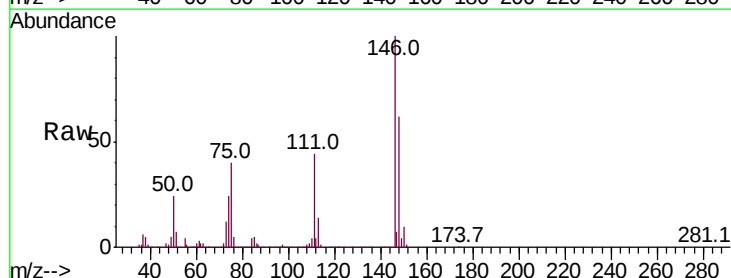
Tgt Ion:146 Resp: 1774789

Ion Ratio Lower Upper

146 100

111 46.3 22.4 67.2

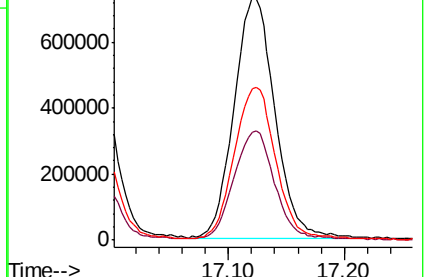
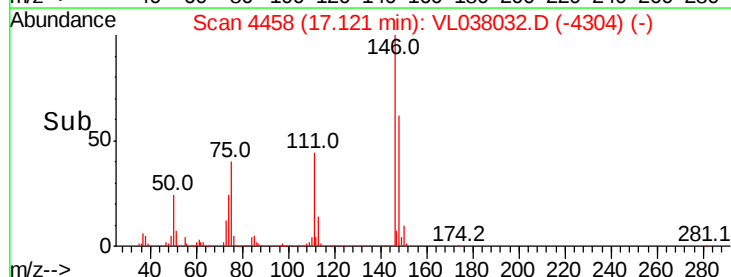
148 65.6 32.4 97.2

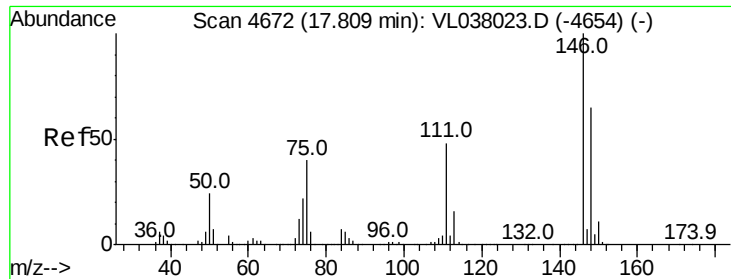


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.860 ppbv

RT: 17.80 min

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 8:47

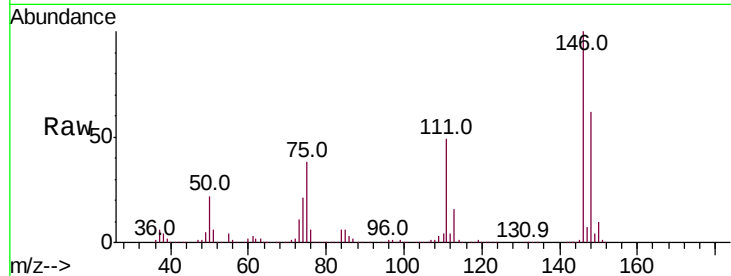
Tot Ion:146 Resp: 1723749

Ion Ratio Lower Upper

146 100

111 48.8 24.3 73.0

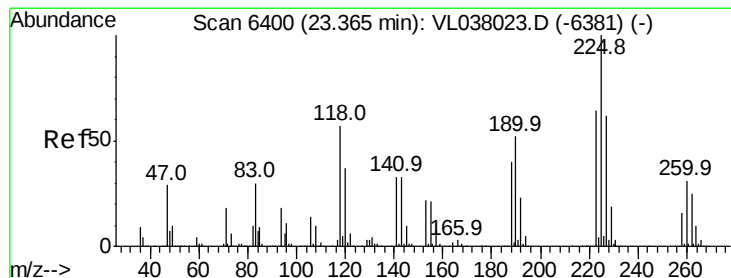
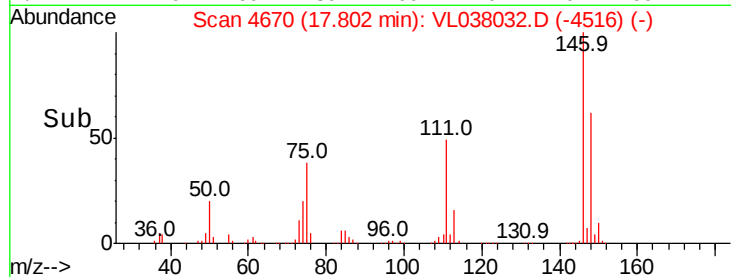
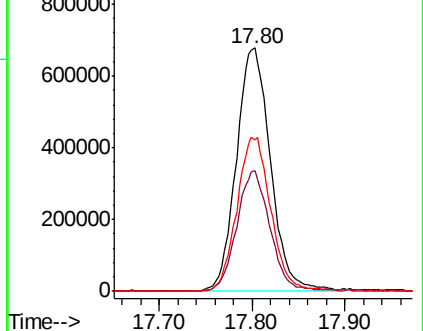
148 63.9 32.5 97.4



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: 6.560 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. -0.00 min

Lab File: VL038032.D

Acq: 16 Nov 2021 8:47

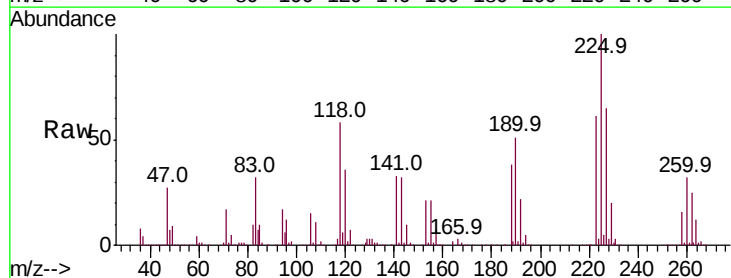
Tgt Ion:225 Resp: 933118

Ion Ratio Lower Upper

225 100

223 64.4 51.0 76.4

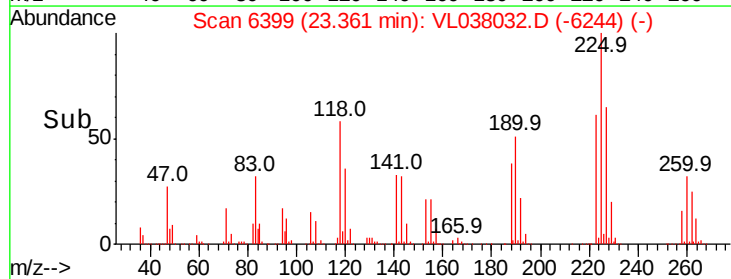
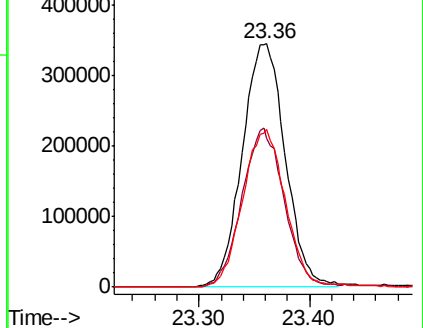
227 64.9 51.4 77.2

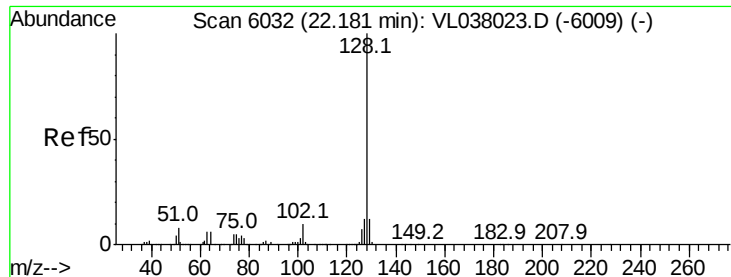


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

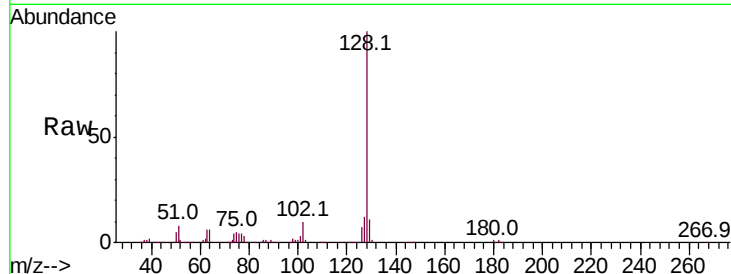




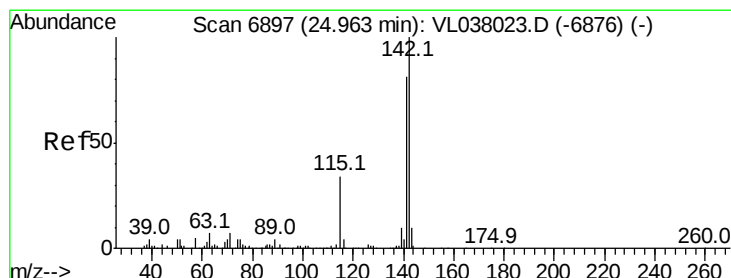
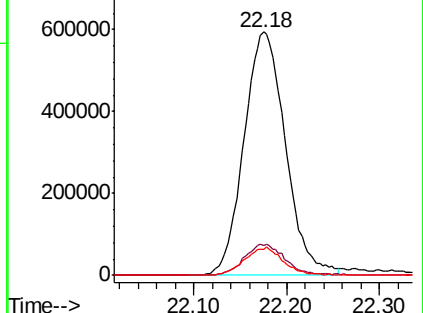
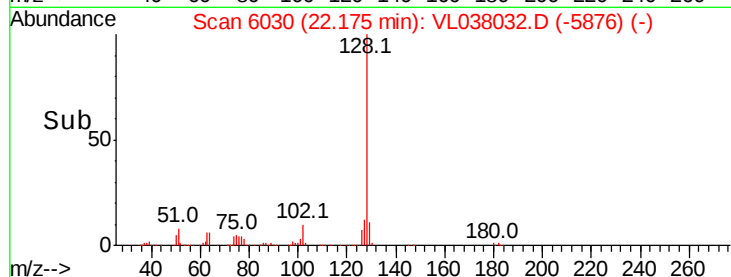
#79
Naphthalene
Concen: 8.139 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 8:47

Tot Ion:128 Resp: 1850256

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	10.8	9.4	14.0



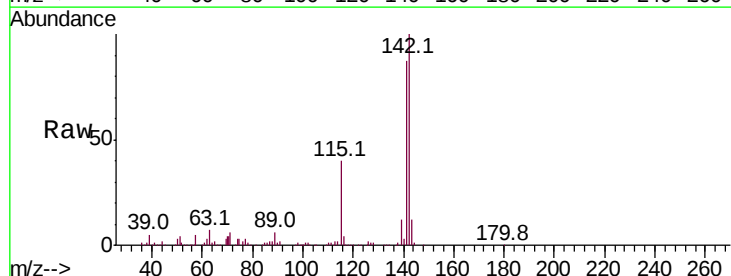
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



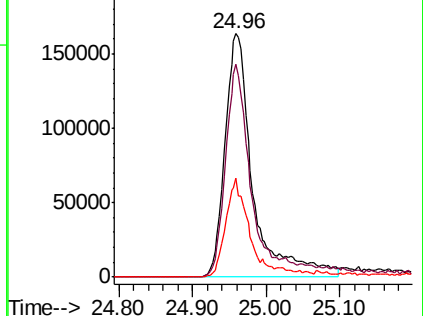
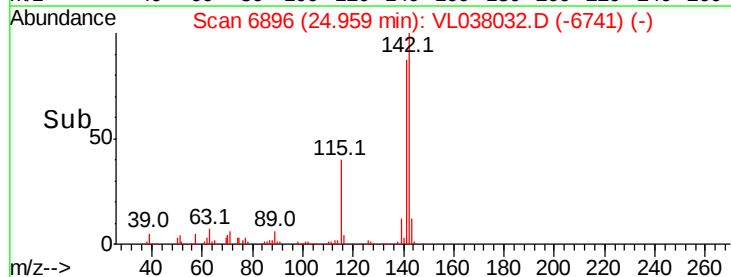
#80
Naphthalene, 2-methyl-
Concen: 10.038 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL038032.D
Acq: 16 Nov 2021 8:47

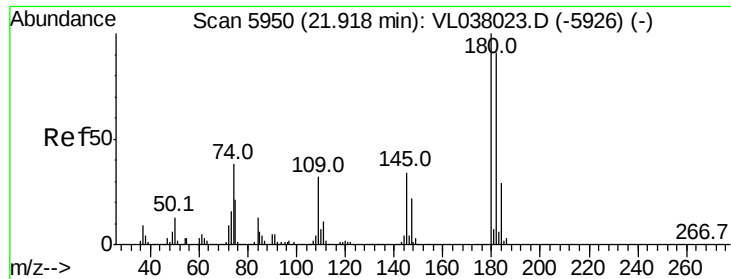
Tgt Ion:142 Resp: 430858

Ion	Ratio	Lower	Upper
142	100		
141	88.5	76.2	114.4
115	35.6	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: 7.803 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 8:47

Tot Ion:	180	Resp:	1003126
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
184	31.7	24.2	36.2

