

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\
 Data File : VL038130.D
 Acq On : 29 Nov 2021 11:47
 Operator : SY/AP
 Sample : VL1129ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Quant Time: Nov 30 05:15:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1004256	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2845555	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2746246	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2167704	10.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	1342526	8.093	ppbv	99
3) Chlorodifluoromethane	3.00	51	2047279	9.707	ppbv	98
4) Chloromethane	3.15	50	710843	9.901	ppbv	99
5) Vinyl Chloride	3.27	62	702660	9.977	ppbv	98
6) Bromomethane	3.49	94	385351	10.214	ppbv	94
7) Chloroethane	3.57	64	247009	9.882	ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	1651466	10.008	ppbv	95
9) Propene	3.02	41	689588	8.878	ppbv	98
10) Heptane	8.13	43	1743567	9.083	ppbv	100
11) Trichlorofluoromethane	3.96	101	1657585	10.507	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1194167	10.700	ppbv	98
13) Ethanol	3.62	45	27135	3.615	ppbv #	11
14) Bromoethene	3.75	108	484176	9.689	ppbv	98
15) Acetone	3.86	43	853391	9.801	ppbv	100
16) 1,3-Butadiene	3.34	39	684536	10.077	ppbv	95
17) tert-Butyl alcohol	4.30	59	1018770	9.646	ppbv	99
18) 1,1-Dichloroethene	4.30	96	540656	10.561	ppbv	99
19) Isopropyl Alcohol	3.98	45	547436	8.702	ppbv #	1
20) Methylene Chloride	4.36	84	479200	9.826	ppbv	97
21) Allyl Chloride	4.42	41	807307	10.017	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	577126	11.130	ppbv	96
23) Vinyl Acetate	5.08	43	1307807	10.376	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1121335	10.684	ppbv	98
25) Ethyl Acetate	5.69	43	2685373	9.280	ppbv	99
26) Hexane	5.70	57	1288926	9.241	ppbv	96
27) Carbon Disulfide	4.56	76	1319599	10.562	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1242251	10.485	ppbv	99
29) Chloroform	5.76	83	2000374	9.731	ppbv	98
30) Cyclohexane	7.14	84	1140404	9.006	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1246719	9.396	ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	2054926	9.850	ppbv	99
34) 2-Butanone	5.25	43	896597	7.814	ppbv	98
35) Carbon Tetrachloride	7.03	117	2094900	10.478	ppbv	97
36) Benzene	6.90	78	2733026	9.628	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1570891	11.459	ppbv	97
38) Trichloroethene	7.84	130	956638	8.935	ppbv	95
39) 1,2-Dichloropropane	7.62	63	1080852	9.927	ppbv	96
40) 1,4-Dioxane	7.84	88	142856	5.036	ppbv #	1
41) Tetrahydrofuran	6.06	42	675500	9.484	ppbv	99
42) Bromodichloromethane	7.80	83	2204437	10.577	ppbv	98
43) Methyl Methacrylate	8.02	69	1021403	10.518	ppbv	98

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4447451	9.365	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	903148	11.594	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1163471	11.043	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1103608	9.678	ppbv	98
48) Dibromochloromethane	10.31	129	1797492	10.350	ppbv	99
49) Bromoform	13.05	173	1297739	10.445	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1795481	10.304	ppbv	99
51) 2-Hexanone	10.14	43	839691	10.242	ppbv #	97
52) Tetrachloroethene	11.23	164	893007	8.503	ppbv	94
53) Toluene	9.81	91	3066396	9.389	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1575648	9.782	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1133568	9.093	ppbv	96
57) Chlorobenzene	12.15	112	2166631	8.802	ppbv	95
58) Ethyl Benzene	12.72	91	4061306	8.948	ppbv	99
59) m/p-Xylene	13.00	91	3338130	8.736	ppbv #	36
60) o-Xylene	13.70	91	3105151	8.760	ppbv	97
61) Styrene	13.54	104	1672416	8.801	ppbv	94
62) Isopropylbenzene	14.67	105	4282816	8.512	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2189732	8.317	ppbv	99
64) n-propylbenzene	15.57	120	1101284	8.592	ppbv	94
65) tert-Butylbenzene	16.75	119	3601960	8.126	ppbv	97
66) Benzyl Chloride	16.99	91	189489	8.435	ppbv #	94
67) sec-Butylbenzene	17.30	105	5066053	8.202	ppbv	99
69) p-Isopropyltoluene	17.66	119	4056504	8.396	ppbv	98
70) n-Butylbenzene	18.55	91	4037790	8.740	ppbv	99
71) 2-Chlorotoluene	15.46	91	3193618	8.682	ppbv	97
72) 4-Ethyltoluene	15.84	105	3592789	8.742	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3199616	8.524	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	3291218	8.509	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1814409	8.541	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	1738424	8.132	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1699866	8.264	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	925597	7.207	ppbv	99
79) Naphthalene	22.20	128	1767930	8.679	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	305058	6.988	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	963238	8.229	ppbv	98

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

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Instrument :
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ClientSampleId :
VL1129ABS01

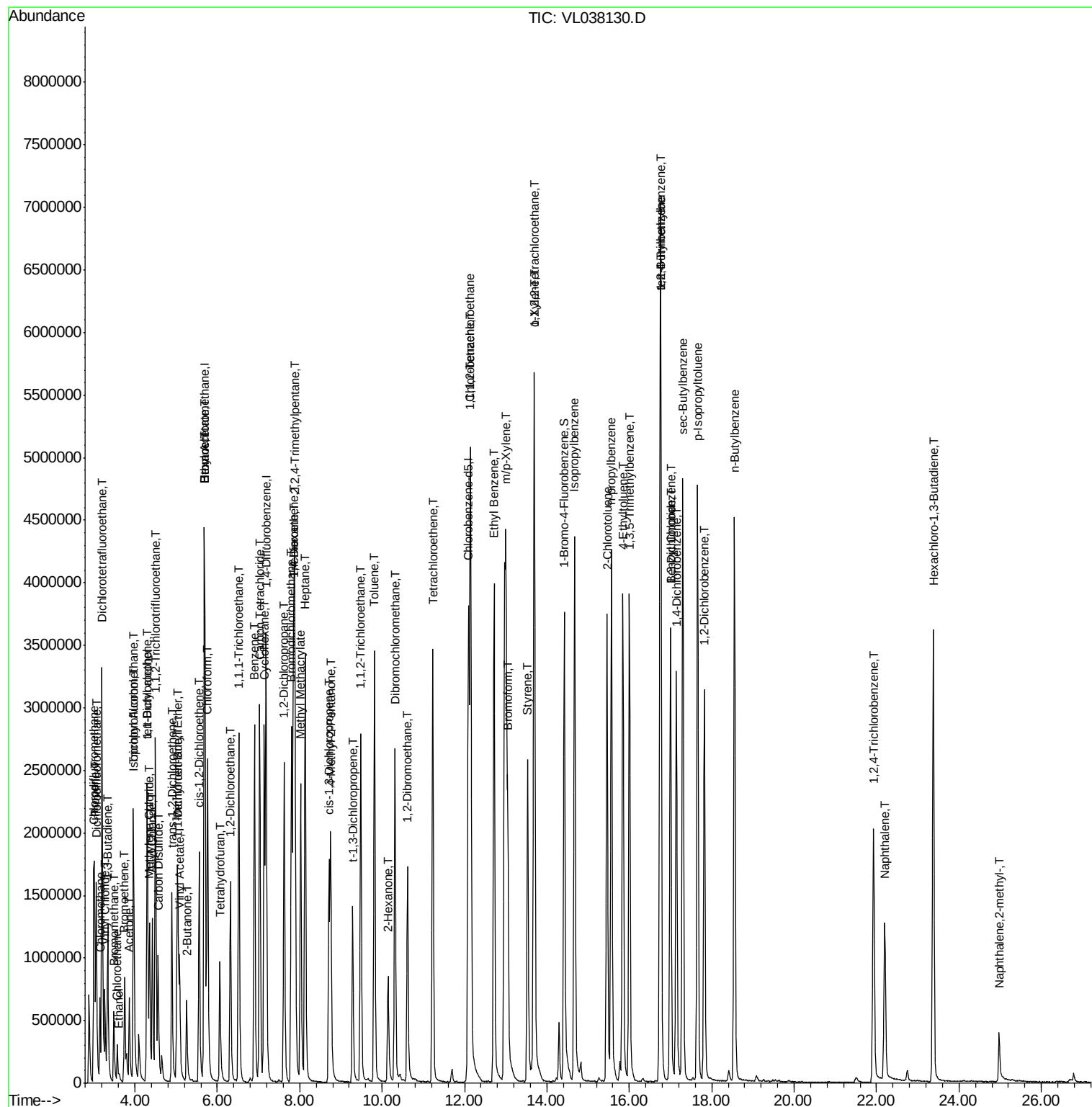
Quant Time: Nov 30 05:15:17 2021

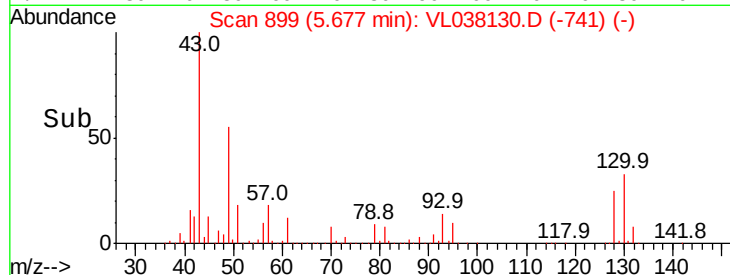
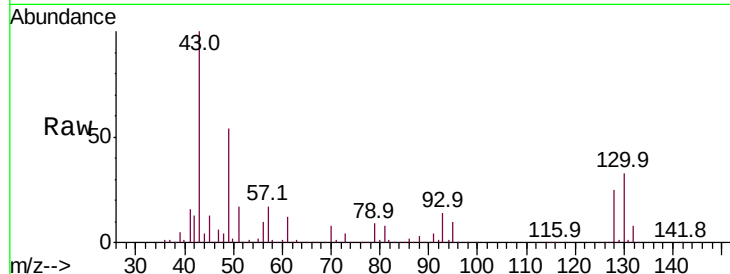
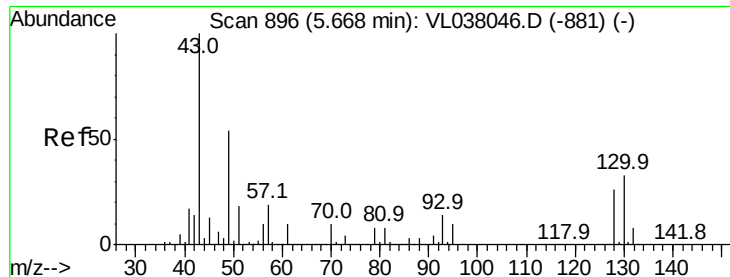
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021

QLast Update : Thu Nov 18 13:16:09 2021

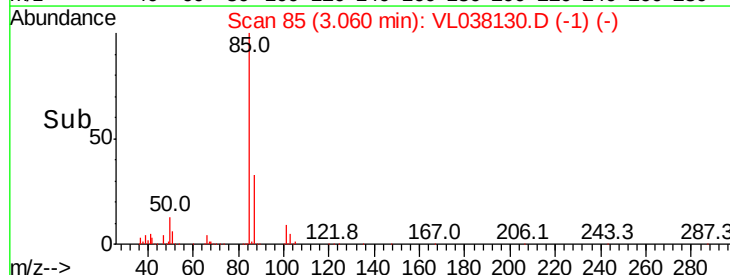
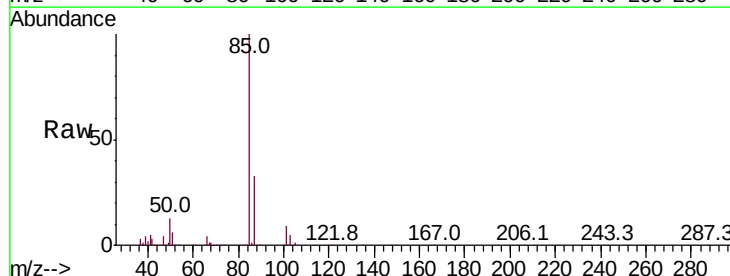
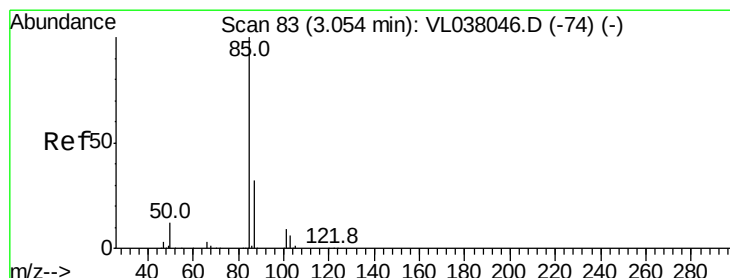
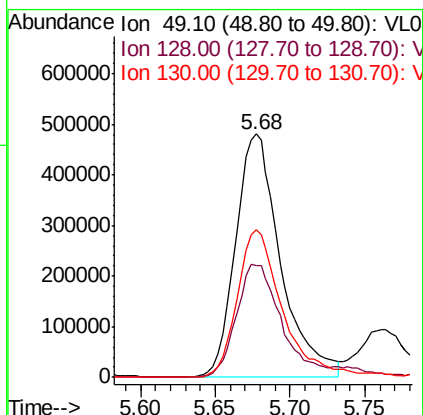
Response via : Initial Calibration





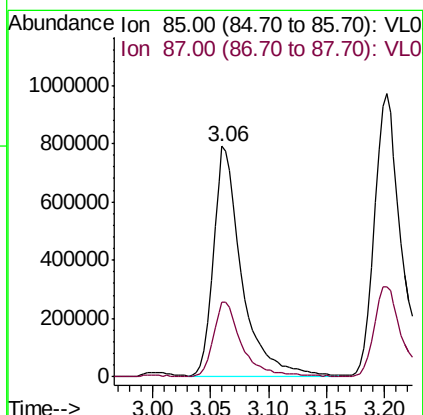
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1129ABS01
 Acq: 29 Nov 2021 11:47

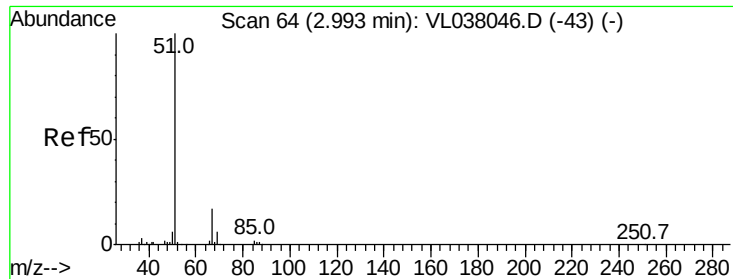
Tot Ion: 49 Resp: 1004256
 Ion Ratio Lower Upper
 49 100
 128 51.4 26.5 79.5
 130 62.5 32.5 97.4



#2
 Dichlorodifluoromethane
 Concen: 8.093 ppbv
 RT: 3.06 min Scan# 85
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

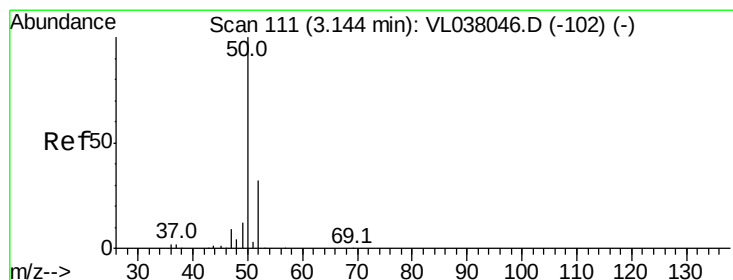
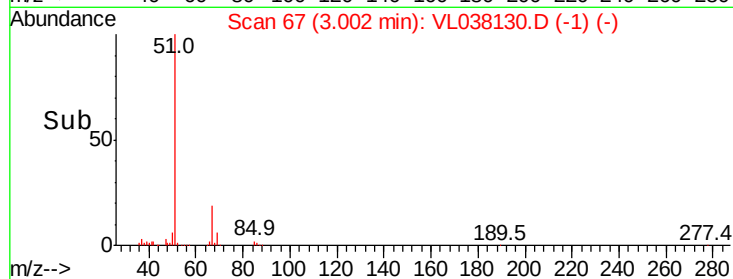
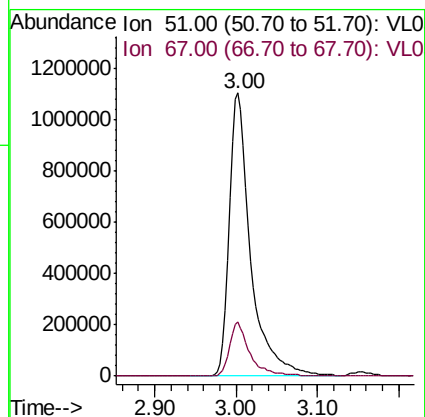
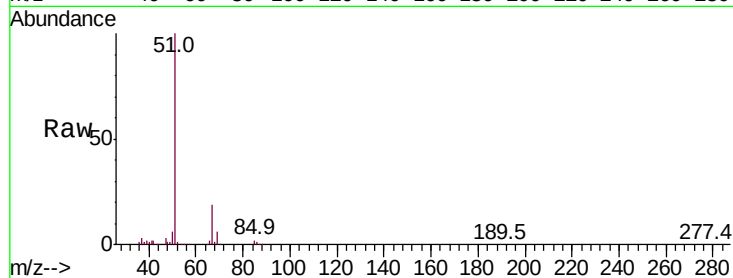
Tgt Ion: 85 Resp: 1342526
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.6





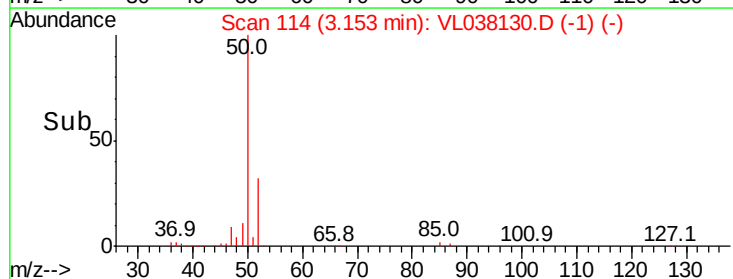
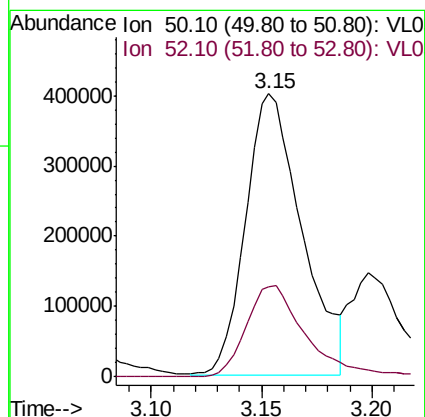
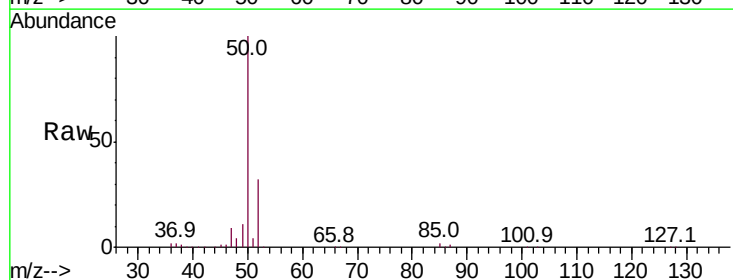
#3
 Chlorodifluoromethane
 Concen: 9.707 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1129ABS01
 Acq: 29 Nov 2021 11:47

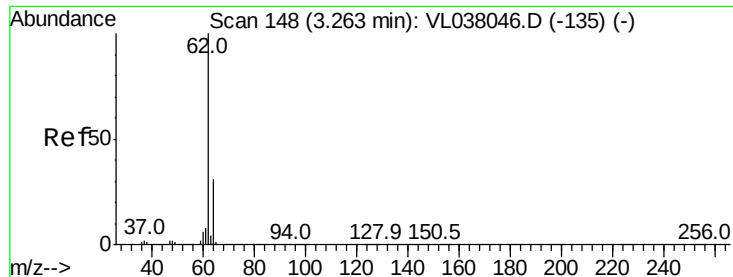
Tot Ion: 51 Resp: 2047279
 Ion Ratio Lower Upper
 51 100
 67 18.3 13.8 20.8



#4
 Chloromethane
 Concen: 9.901 ppbv
 RT: 3.15 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion: 50 Resp: 710843
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.4 38.0





#5

Vinyl Chloride

Concen: 9.977 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

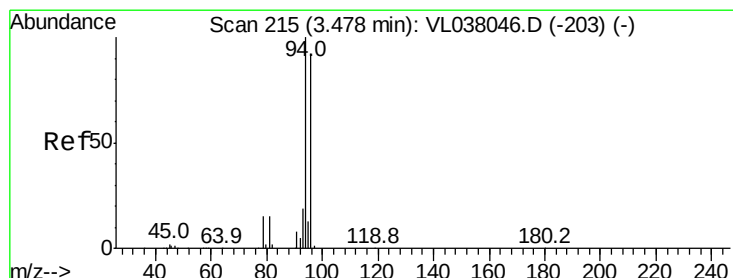
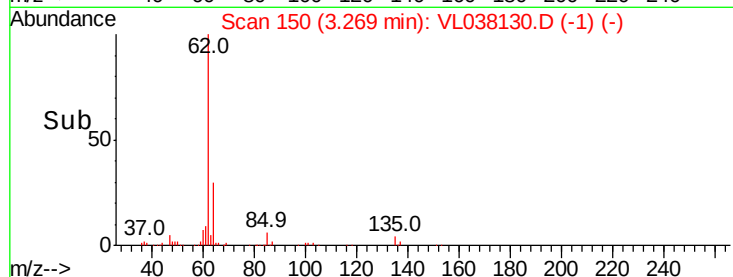
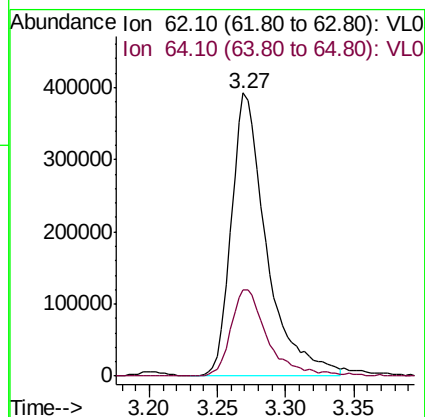
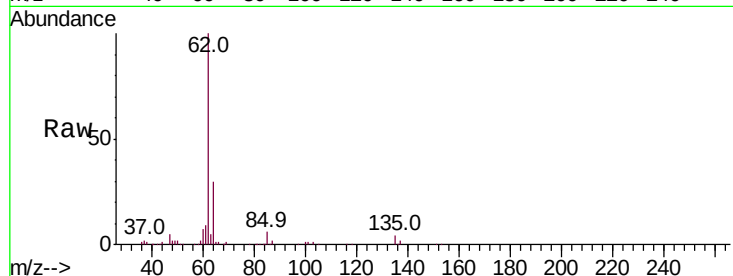
Acq: 29 Nov 2021 11:47 VL1129ABS01

Tot Ion: 62 Resp: 702660

Ion Ratio Lower Upper

62 100

64 30.3 25.1 37.7



#6

Bromomethane

Concen: 10.214 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL038130.D

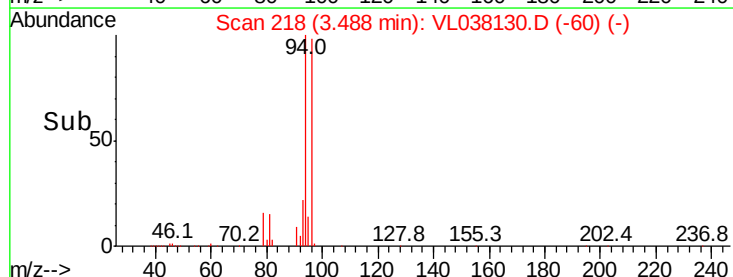
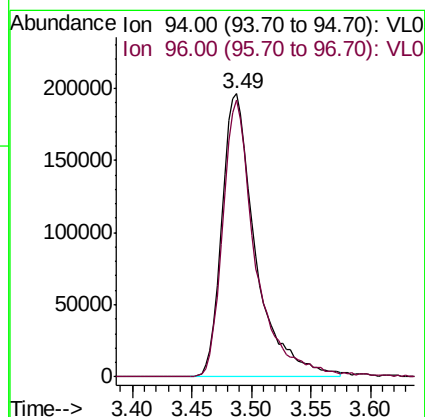
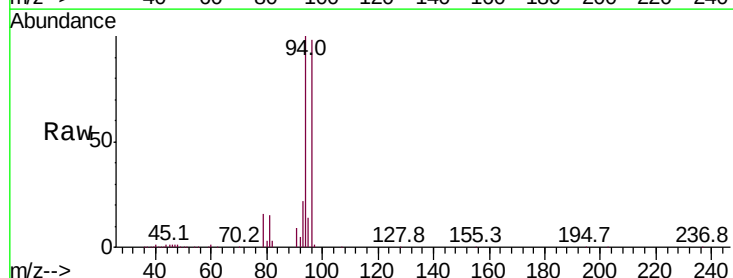
Acq: 29 Nov 2021 11:47

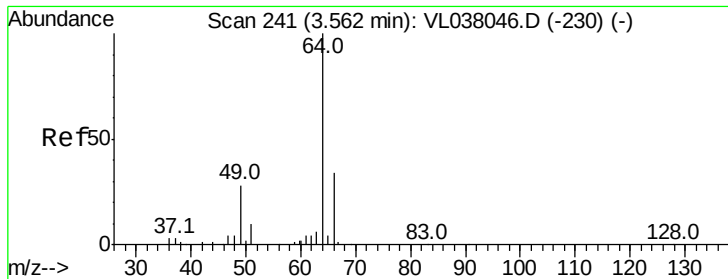
Tgt Ion: 94 Resp: 385351

Ion Ratio Lower Upper

94 100

96 97.7 73.9 110.9





#7

Chloroethane

Concen: 9.882 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

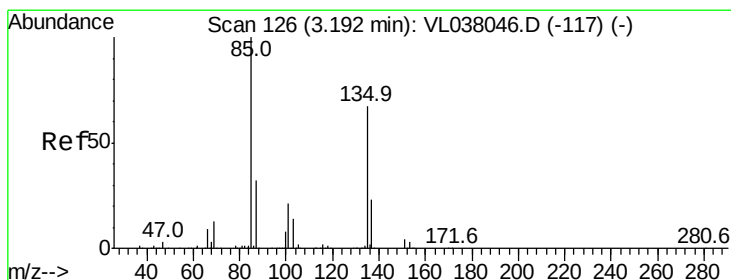
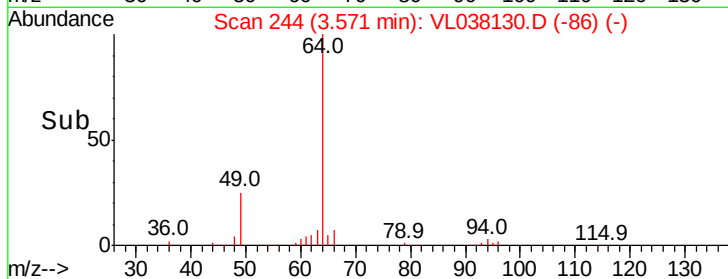
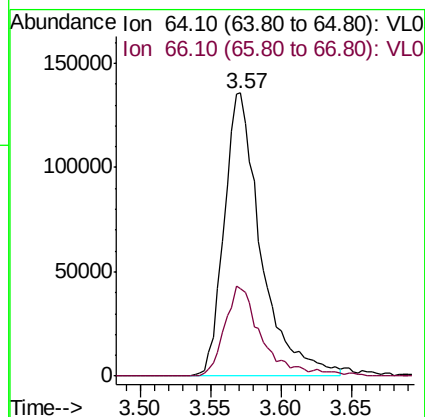
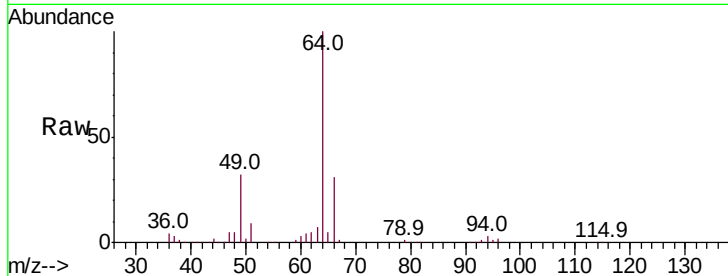
Acq: 29 Nov 2021 11:47

Tot Ion: 64 Resp: 247009

Ion Ratio Lower Upper

64 100

66 31.0 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 10.008 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL038130.D

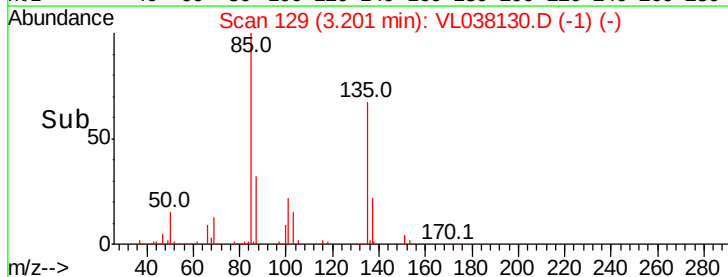
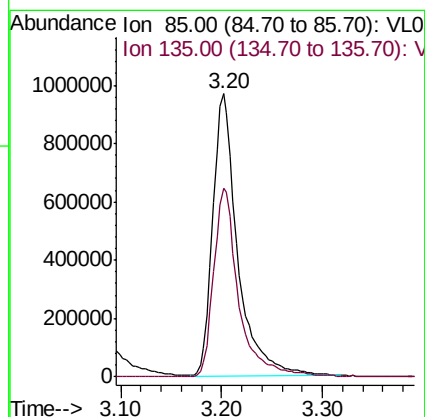
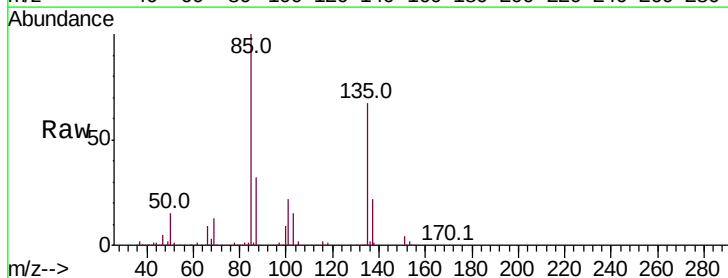
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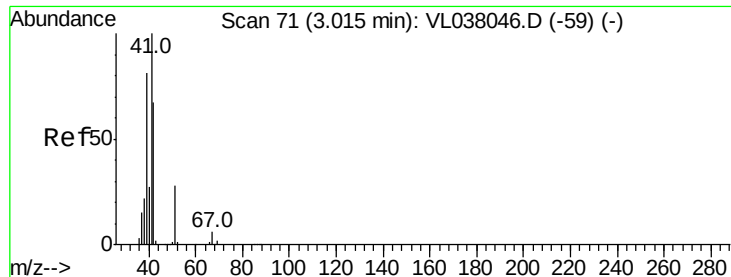
Tgt Ion: 85 Resp: 1651466

Ion Ratio Lower Upper

85 100

135 68.2 57.9 86.9





#9

Propene

Concen: 8.878 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: VL1129ABS01 ClientSampleId:

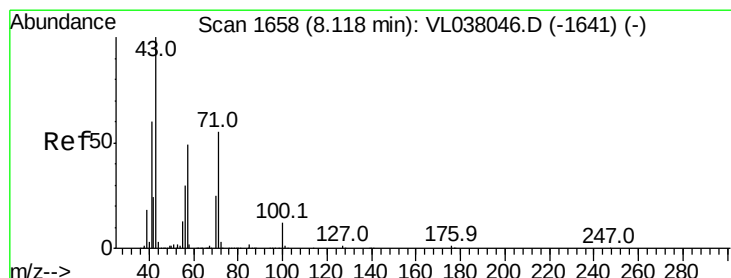
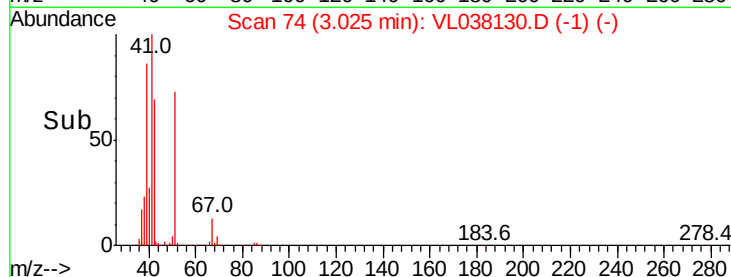
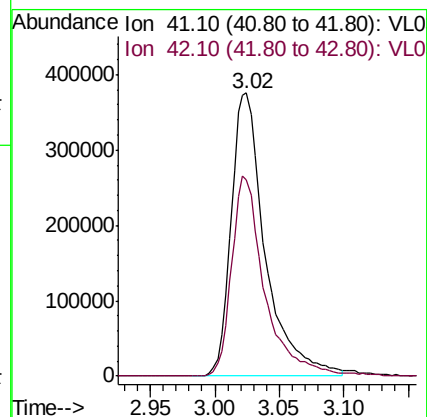
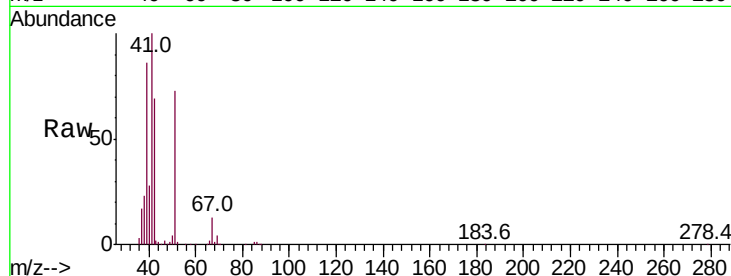
Acq: 29 Nov 2021 11:47

Tot Ion: 41 Resp: 689588

Ion Ratio Lower Upper

41 100

42 69.2 53.8 80.8



#10

Heptane

Concen: 9.083 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL038130.D

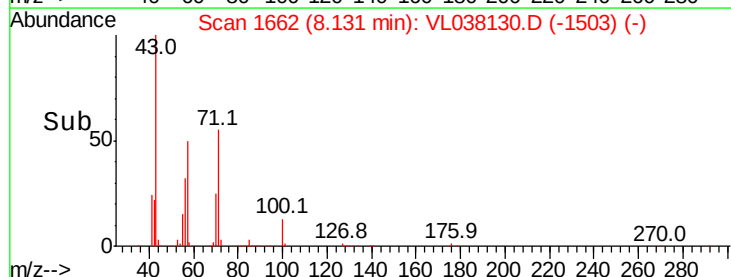
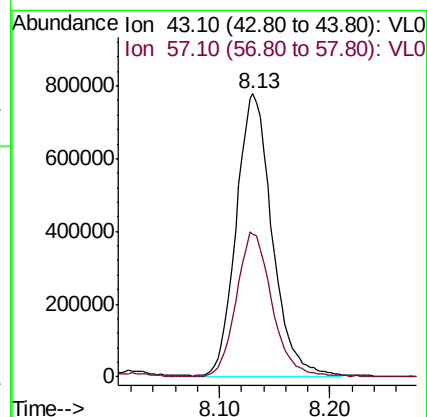
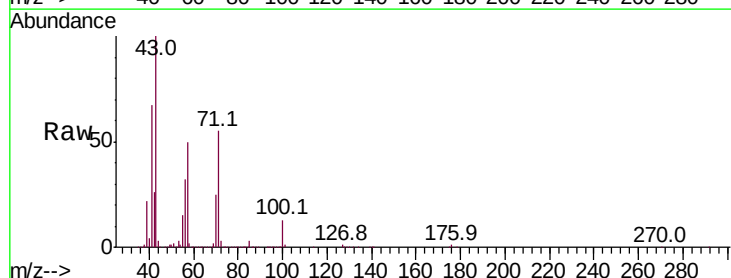
Acq: 29 Nov 2021 11:47

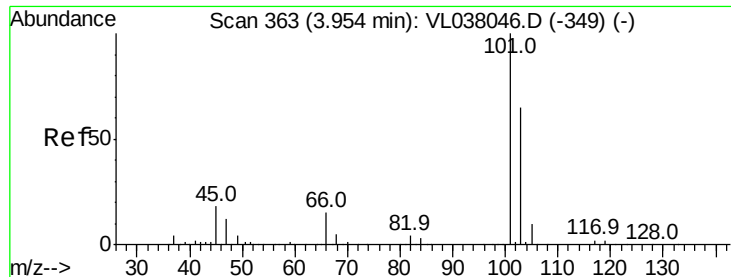
Tgt Ion: 43 Resp: 1743567

Ion Ratio Lower Upper

43 100

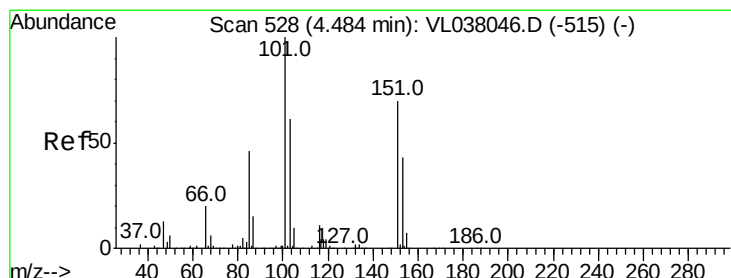
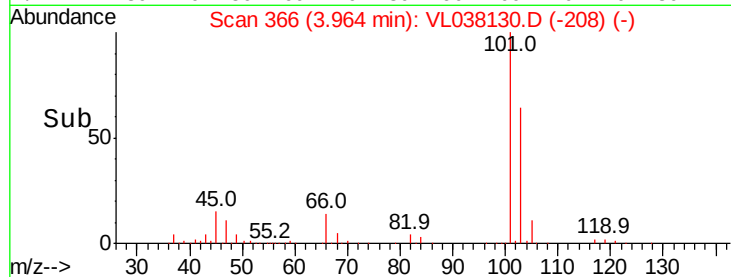
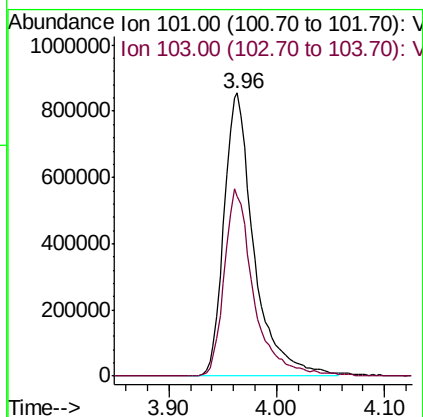
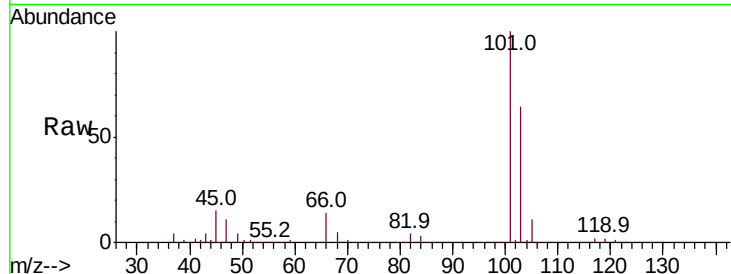
57 50.5 40.4 60.6





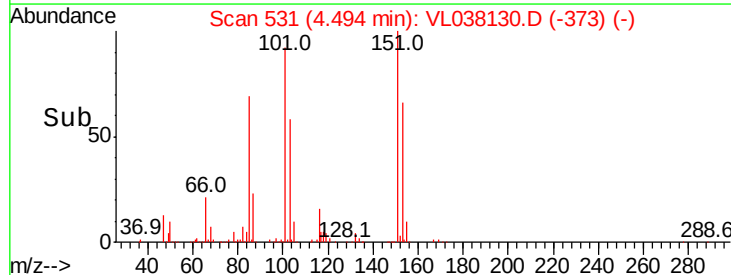
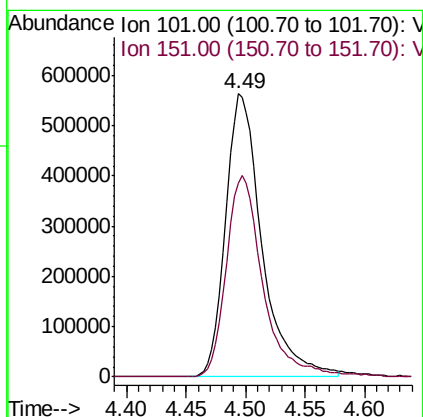
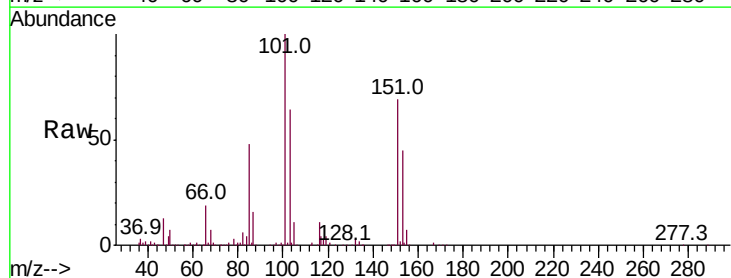
#11
 Trichlorofluoromethane
 Concen: 10.507 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VL1129ABS01
 Acq: 29 Nov 2021 11:47

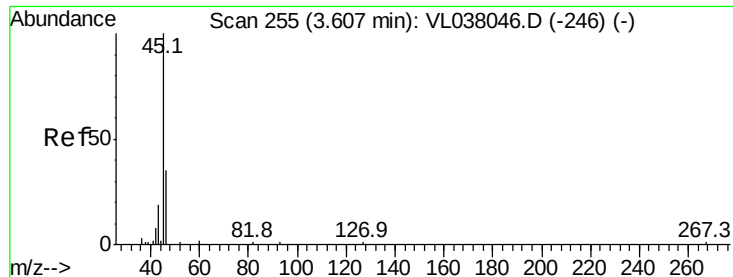
Tot Ion:101 Resp: 1657585
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.700 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T.: 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

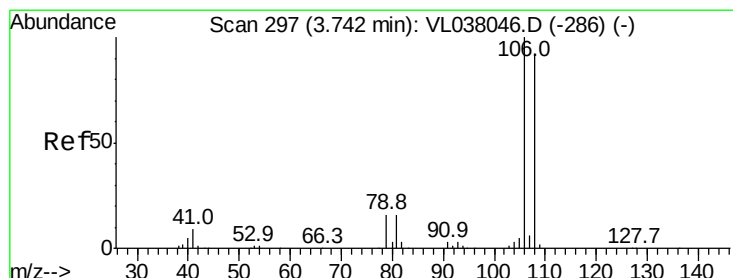
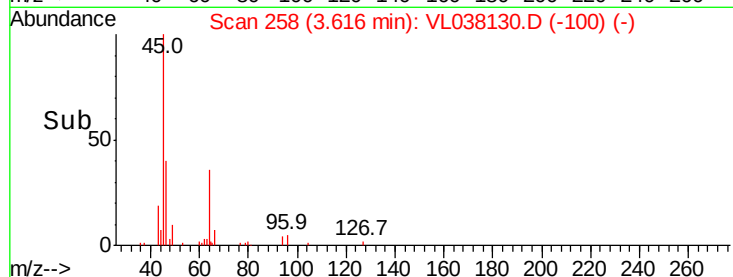
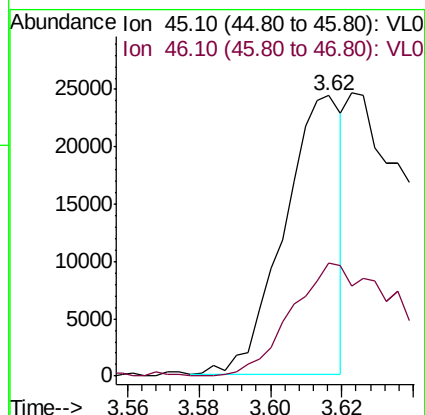
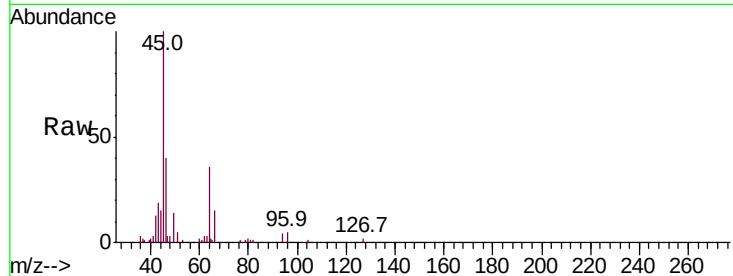
Tgt Ion:101 Resp: 1194167
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.0 88.4





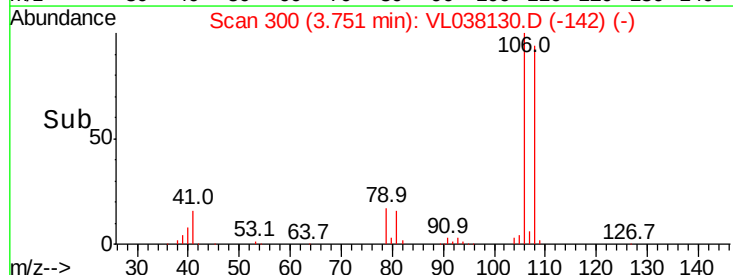
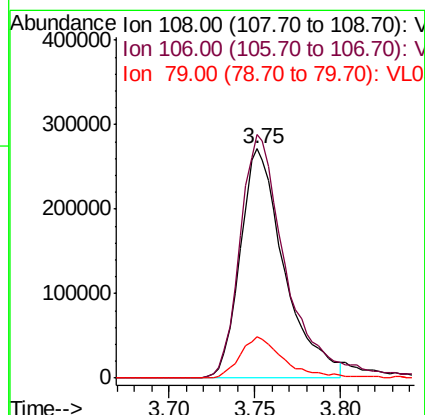
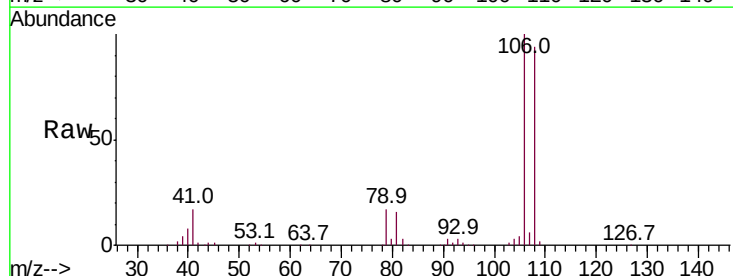
#13
Ethanol
Concen: 3.615 ppbv
RT: 3.62
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 29 Nov 2021 11:47

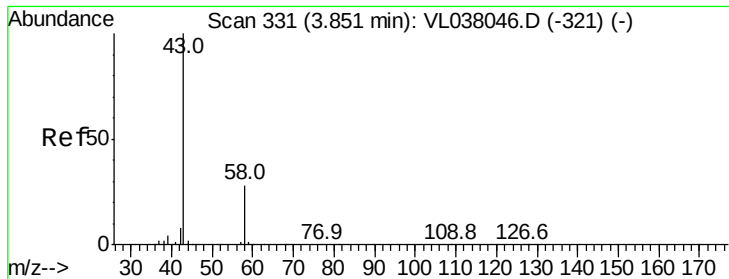
Tot Ion: 45 Resp: 27135
Ion Ratio Lower Upper
45 100
46 101.1 17.6 70.2#



#14
Bromoethene
Concen: 9.689 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

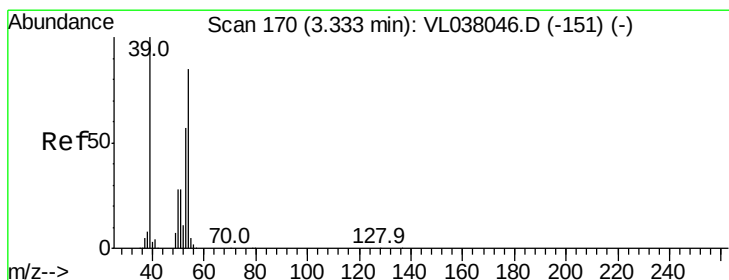
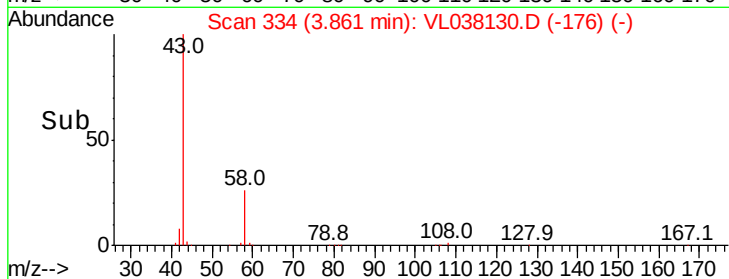
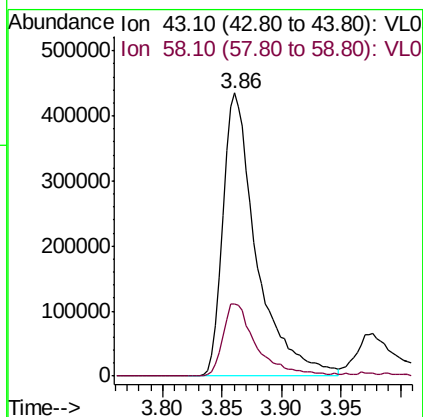
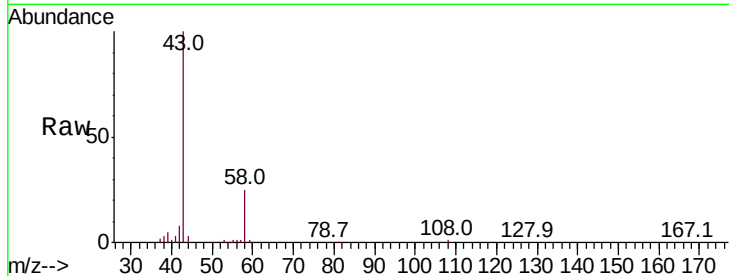
Tgt Ion:108 Resp: 484176
Ion Ratio Lower Upper
108 100
106 113.6 89.4 134.0
79 18.3 14.1 21.1





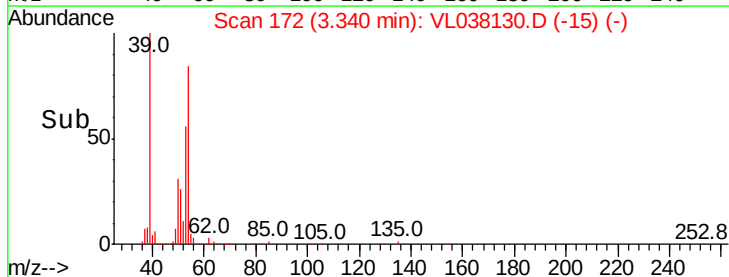
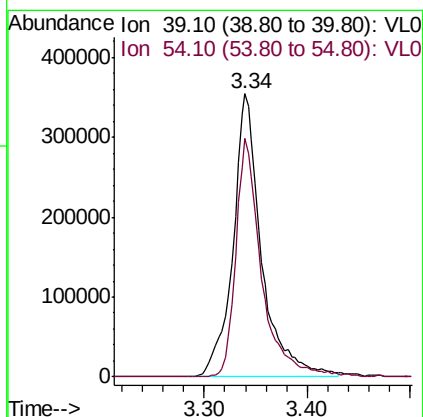
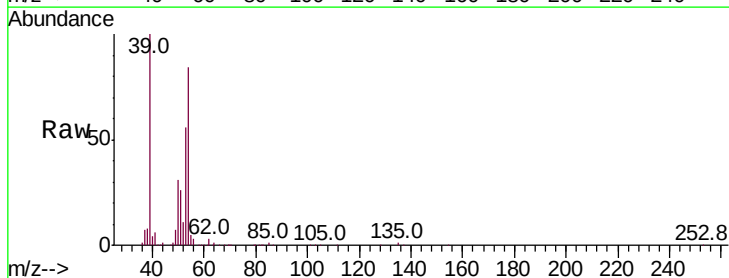
#15
Acetone
Concen: 9.801 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1129ABS01
Acq: 29 Nov 2021 11:47

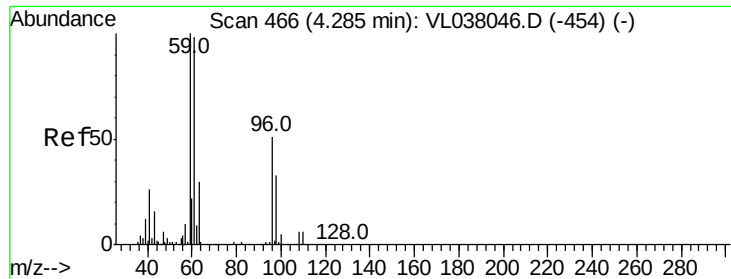
Tot Ion: 43 Resp: 853391
Ion Ratio Lower Upper
43 100
58 27.8 22.4 33.6



#16
1,3-Butadiene
Concen: 10.077 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

Tgt Ion: 39 Resp: 684536
Ion Ratio Lower Upper
39 100
54 76.5 64.4 96.6





#17

tert-Butyl alcohol

Concen: 9.646 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

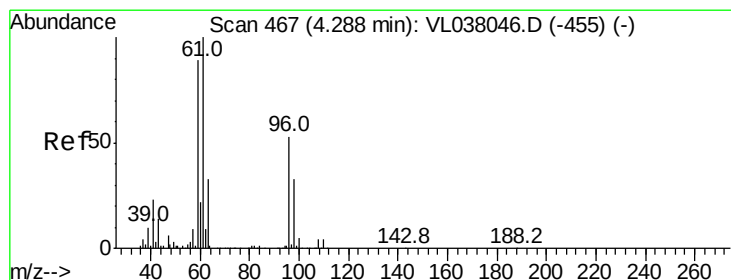
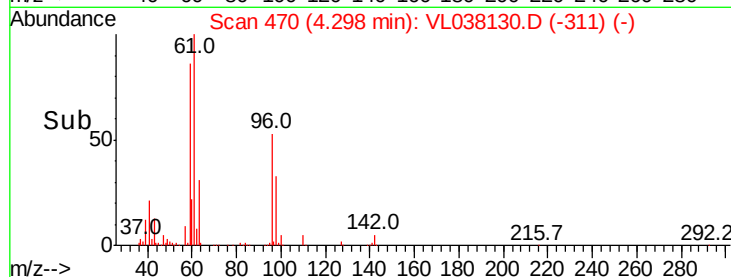
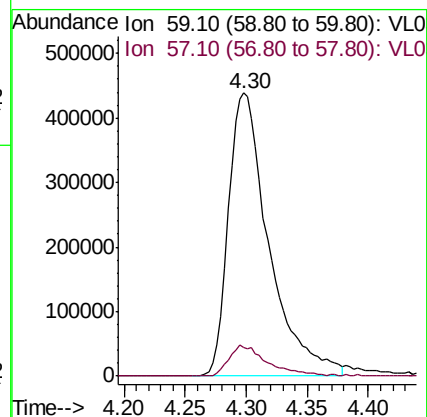
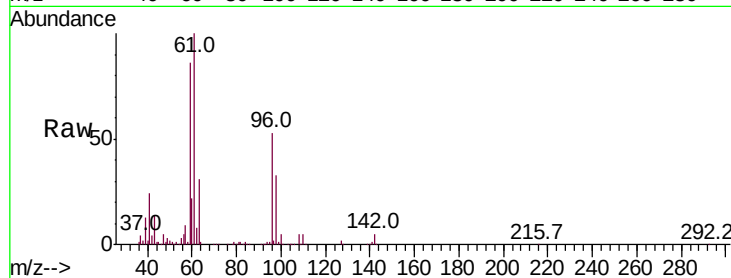
Acq: 29 Nov 2021 11:47

Tot Ion: 59 Resp: 1018770

Ion Ratio Lower Upper

59 100

57 11.0 8.6 13.0



#18

1,1-Dichloroethene

Concen: 10.561 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

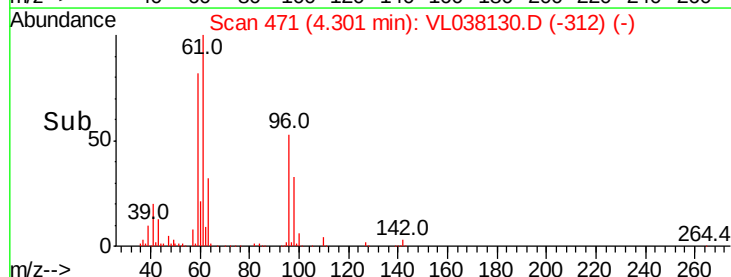
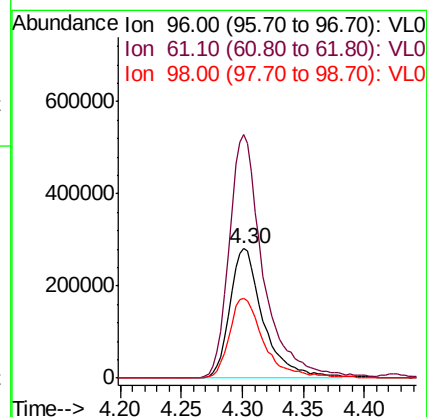
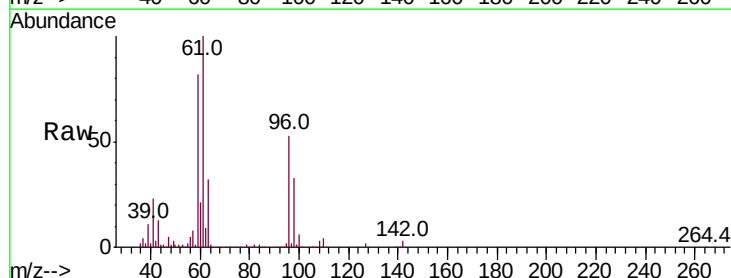
Tgt Ion: 96 Resp: 540656

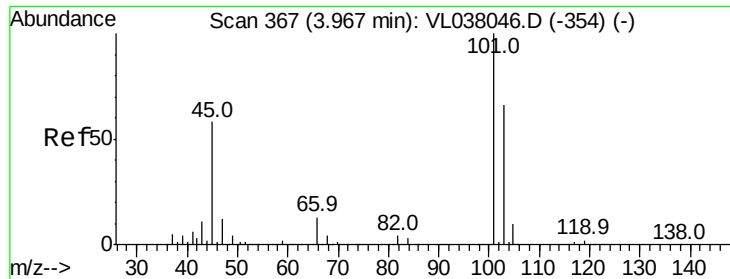
Ion Ratio Lower Upper

96 100

61 187.7 149.8 224.8

98 61.6 50.2 75.2





#19

Isopropyl Alcohol

Concen: 8.702 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VL1129ABS01

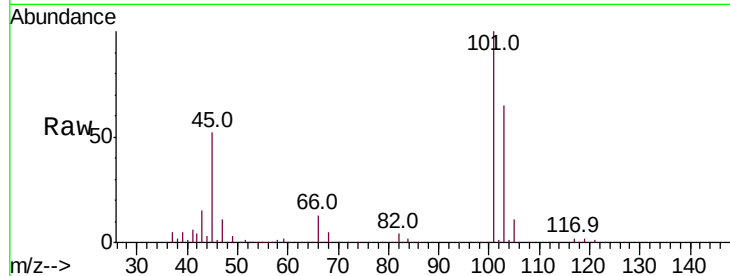
Acq: 29 Nov 2021 11:47

Tot Ion: 45 Resp: 547436

Ion Ratio Lower Upper

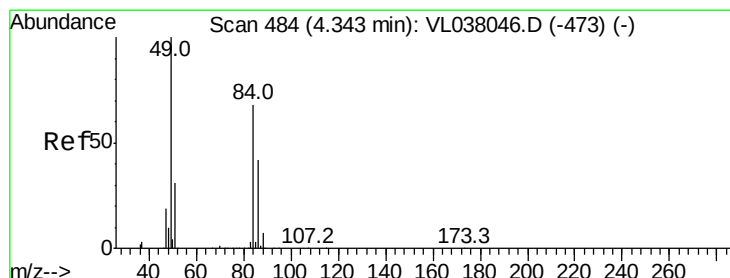
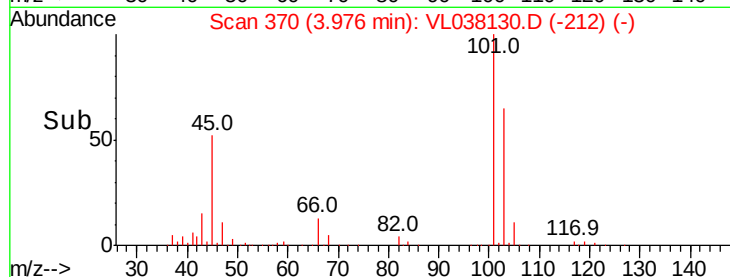
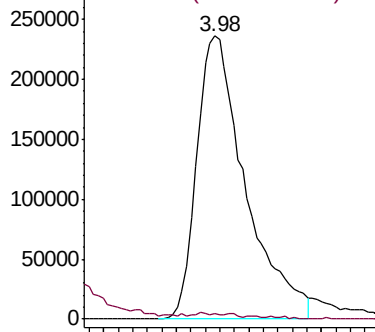
45 100

58 43.4 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.826 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

Tgt Ion: 84 Resp: 479200

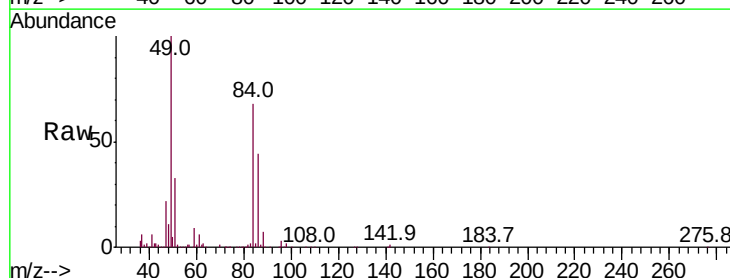
Ion Ratio Lower Upper

84 100

49 143.7 118.2 177.2

51 46.6 36.8 55.2

86 64.9 49.0 73.6

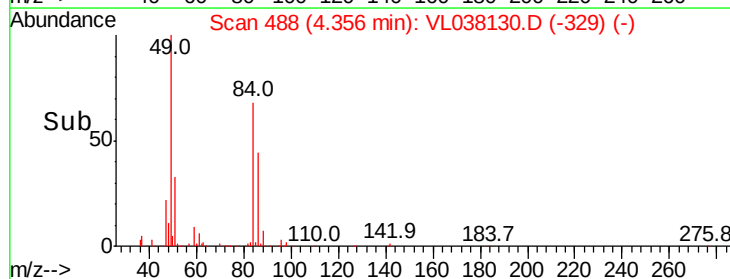
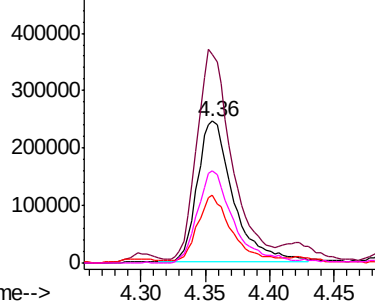


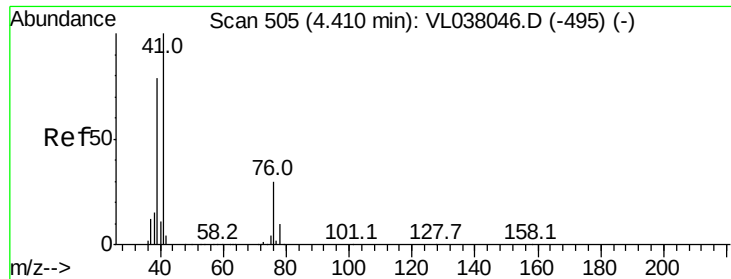
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

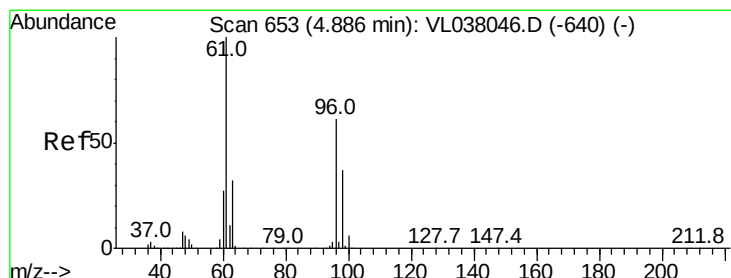
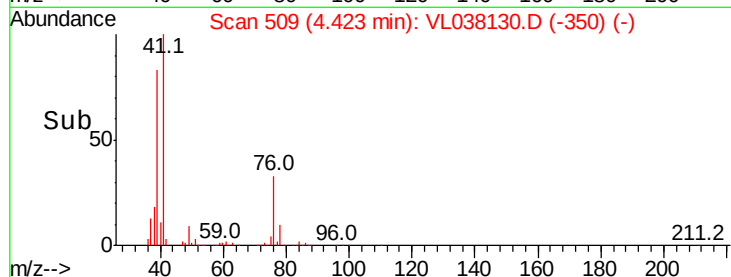
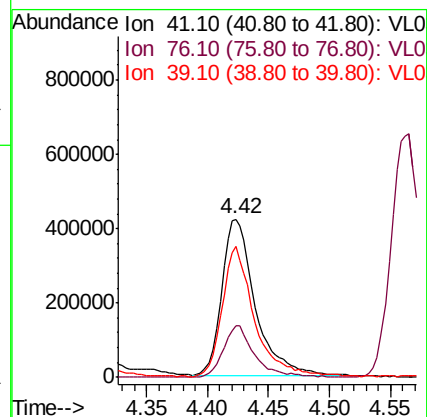
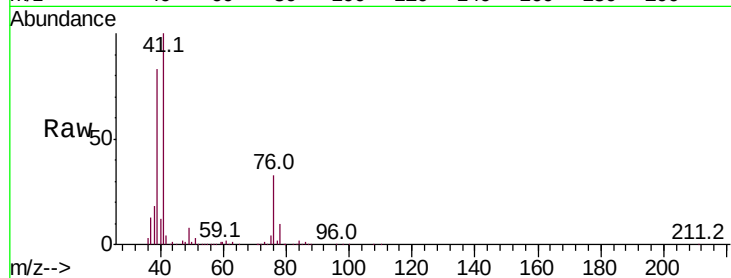
Ion 86.00 (85.70 to 86.70): VL0





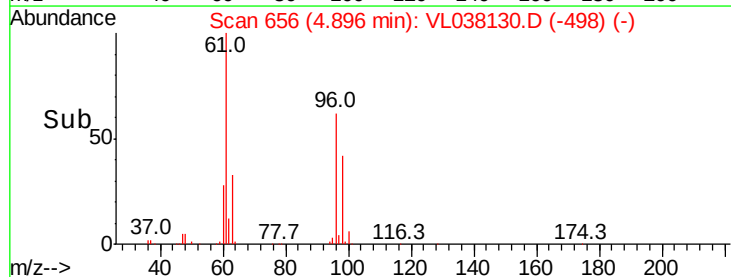
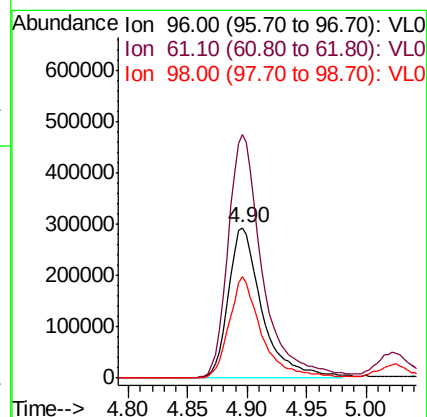
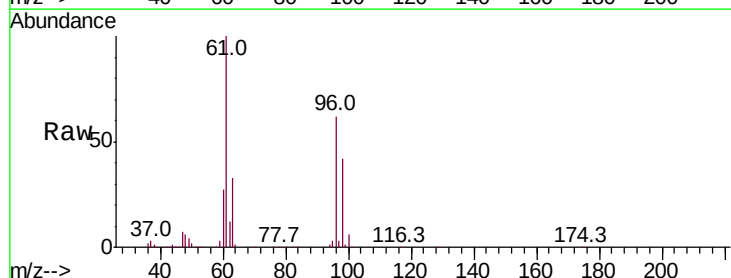
#21
 Allvl Chloride
 Concen: 10.017 ppbv
 RT: 4.42
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL1129ABS01
 Acq: 29 Nov 2021 11:47

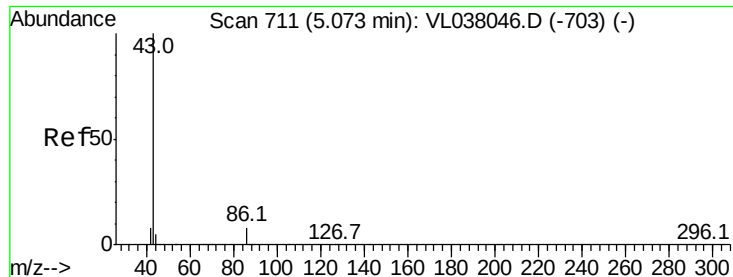
Tot Ion: 41 Resp: 807307
 Ion Ratio Lower Upper
 41 100
 76 31.1 24.6 36.8
 39 80.3 63.4 95.0



#22
 trans-1,2-Dichloroethene
 Concen: 11.130 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T.: 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion: 96 Resp: 577126
 Ion Ratio Lower Upper
 96 100
 61 161.9 131.6 197.4
 98 67.5 48.4 72.6





#23

Vinyl Acetate

Concen: 10.376 ppbv

RT: 5.08 Instrument: MSVOA_1

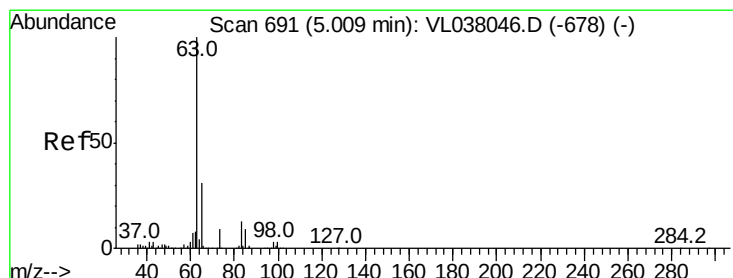
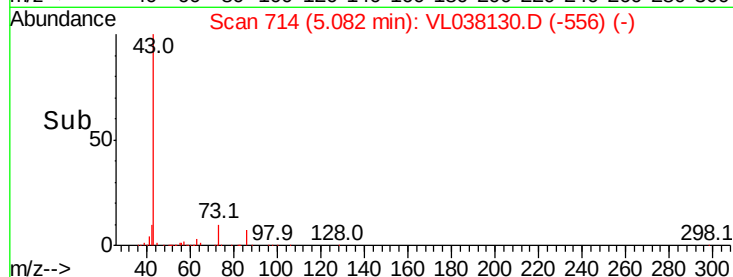
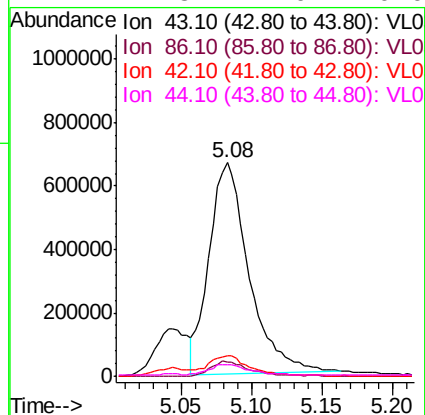
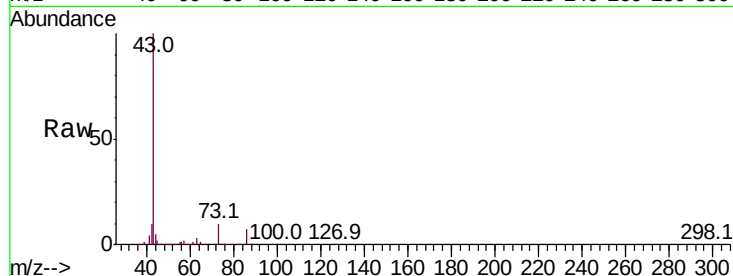
Delta R.T. ClientSampleId:

Lab File: VL1129ABS01

Acq: 29 Nov 2021 11:47

Tot Ion: 43 Resp: 1307807

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.3	7.9
42	9.9	7.0	10.6
44	4.8	4.0	6.0



#24

1,1-Dichloroethane

Concen: 10.684 ppbv

RT: 5.02 min Scan# 695

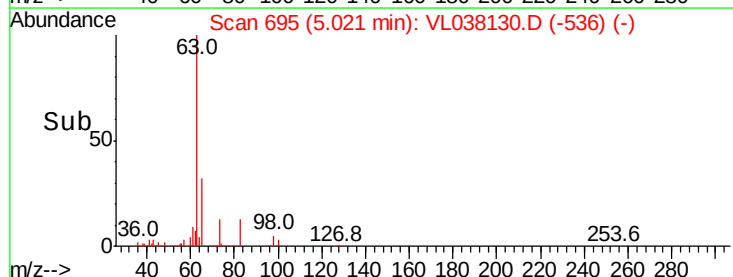
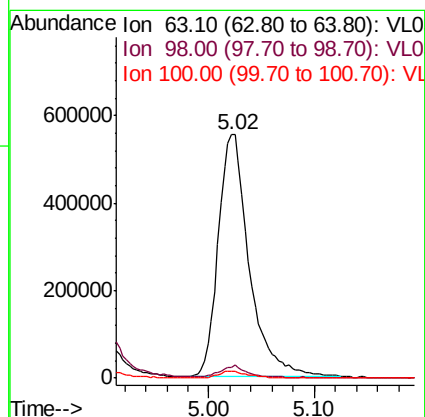
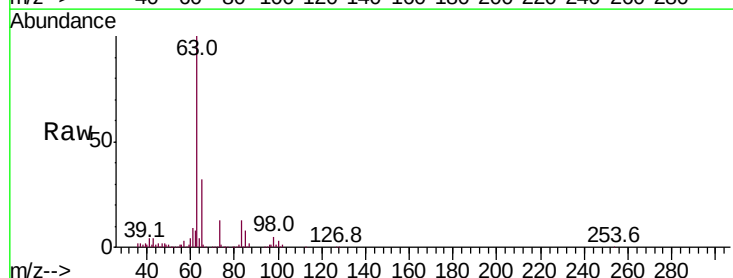
Delta R.T. 0.01 min

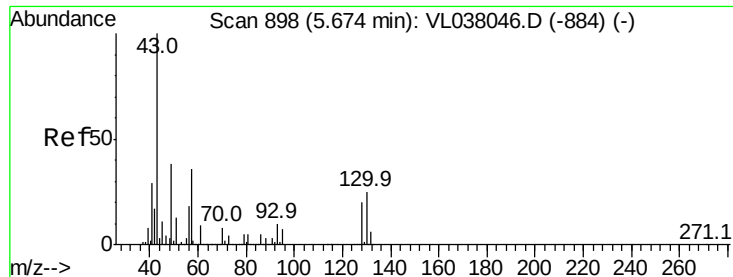
Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

Tgt Ion: 63 Resp: 1121335

Ion	Ratio	Lower	Upper
63	100		
98	4.5	1.8	5.4
100	2.8	1.4	4.0

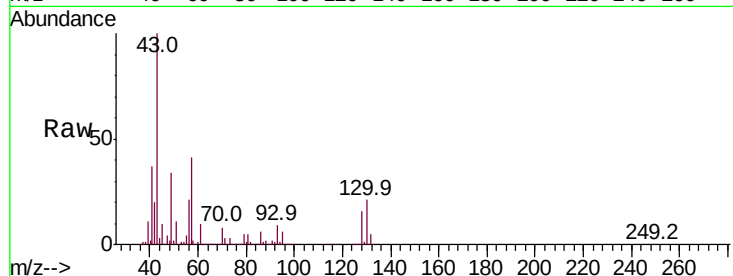




#25
Ethyl Acetate
Concen: 9.280 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL1129ABS01
Acq: 29 Nov 2021 11:47

Tot Ion: 43 Resp: 2685373

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	10.0	7.8	11.6
70	6.8	5.8	8.8



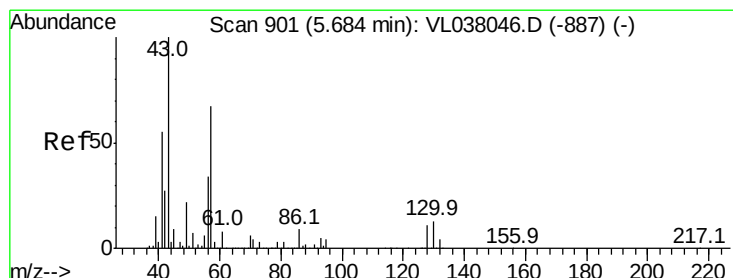
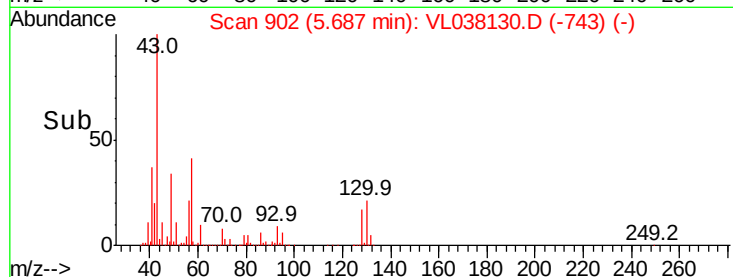
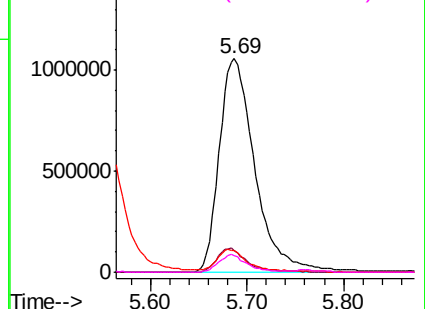
Abundance

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

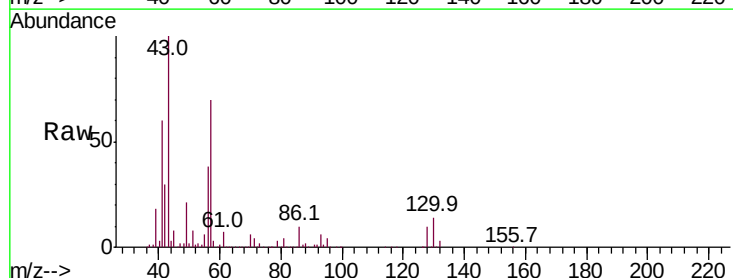
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.241 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

Tgt Ion: 57 Resp: 1288926

Ion	Ratio	Lower	Upper
57	100		
41	88.6	71.4	107.2
43	209.9	174.6	261.8
56	52.8	43.2	64.8



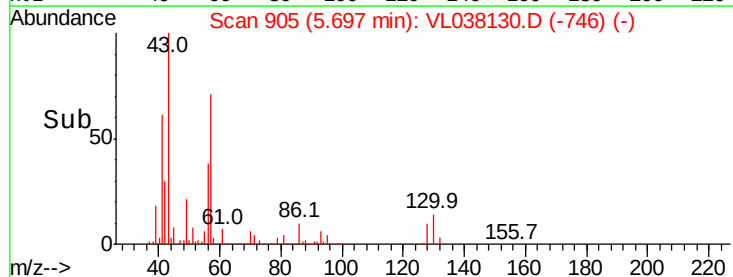
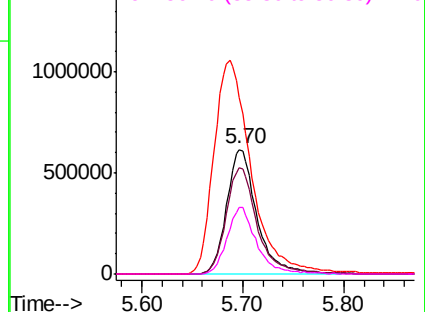
Abundance

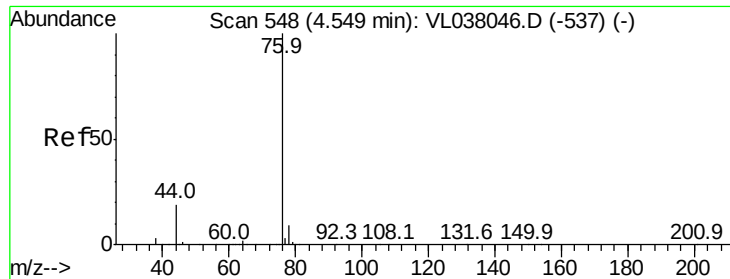
Ion 57.10 (56.80 to 57.80): VL0

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

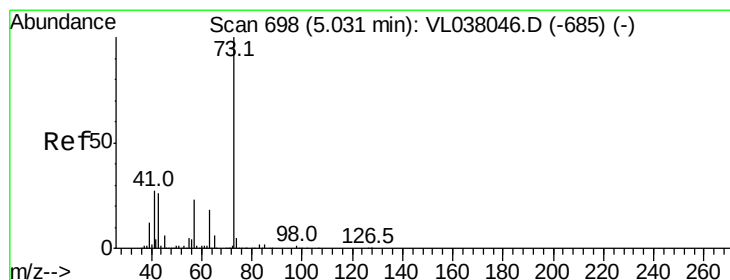
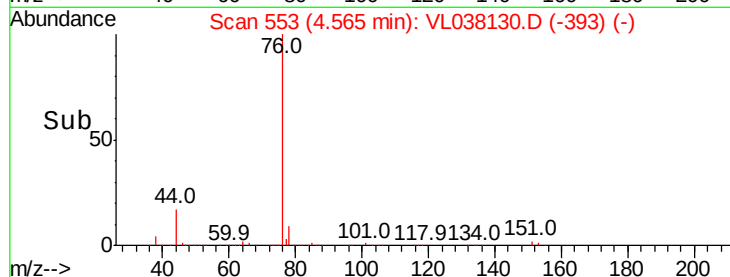
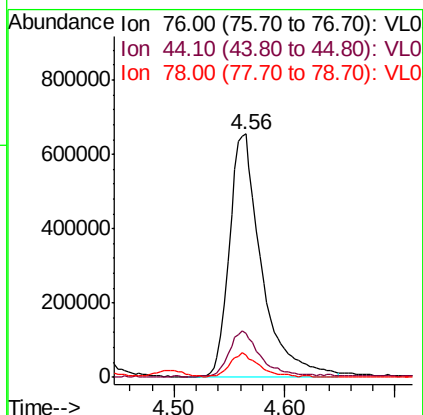
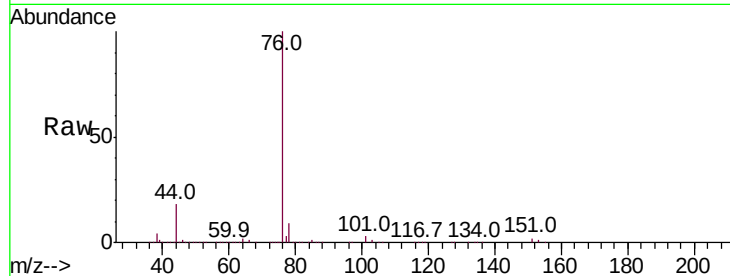




#27
Carbon Disulfide
Concen: 10.562 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Nov 2021 11:47

Tot Ion: 76 Resp: 1319599

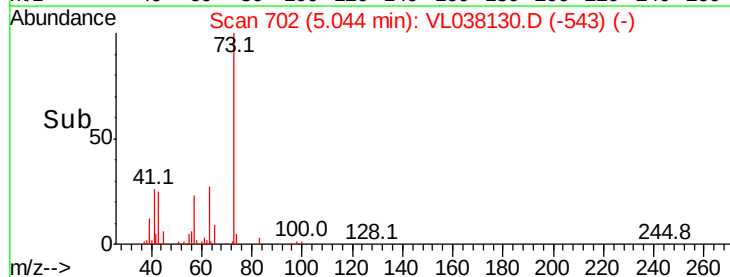
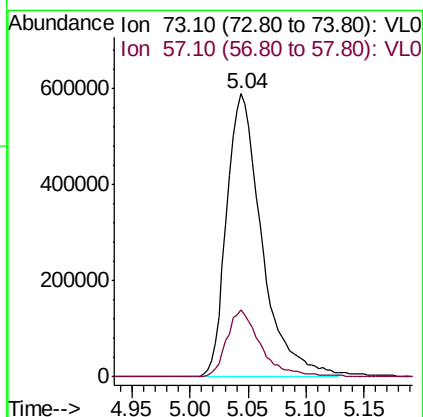
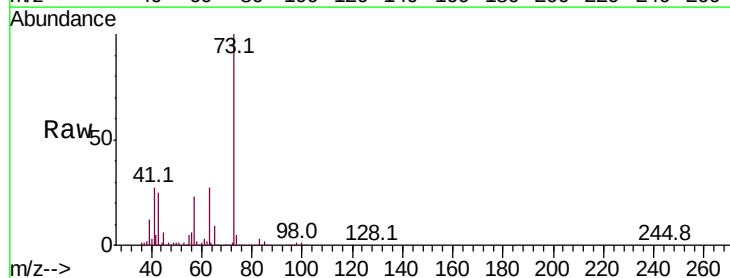
Ion	Ratio	Lower	Upper
76	100		
44	18.6	14.9	22.3
78	9.1	7.6	11.4

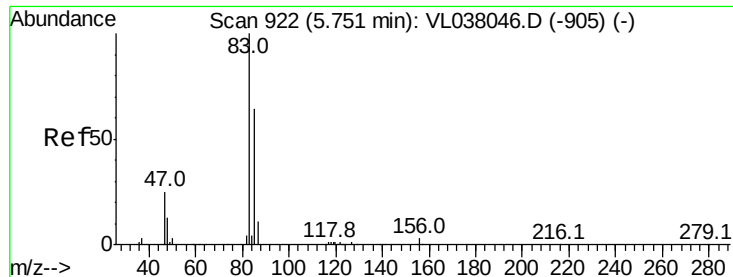


#28
Methyl tert-Butyl Ether
Concen: 10.485 ppbv
RT: 5.04 min Scan# 702
Delta R.T.: 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

Tgt Ion: 73 Resp: 1242251

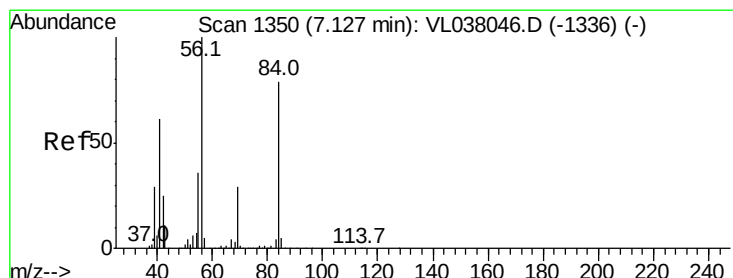
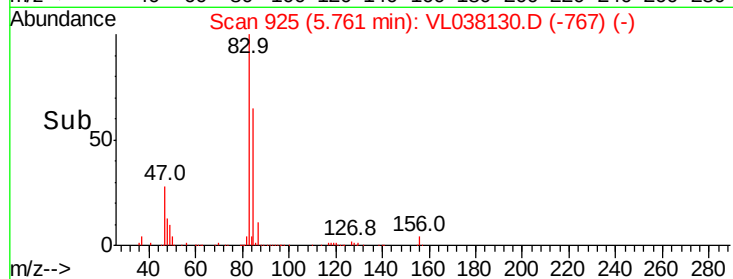
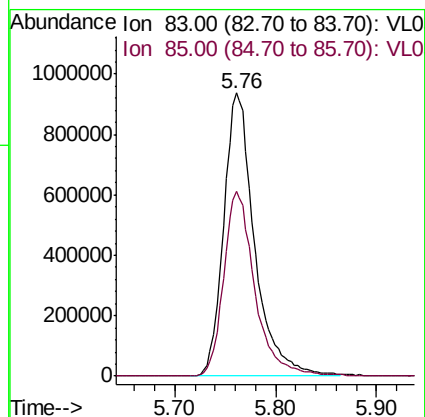
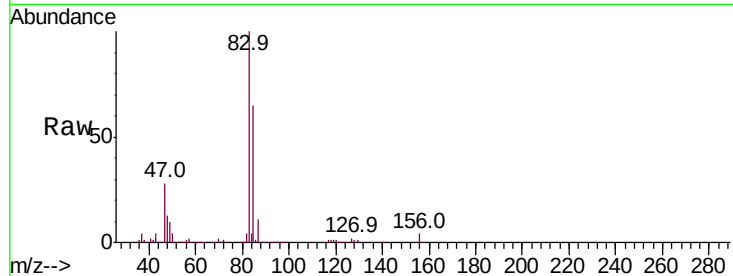
Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.0	28.4





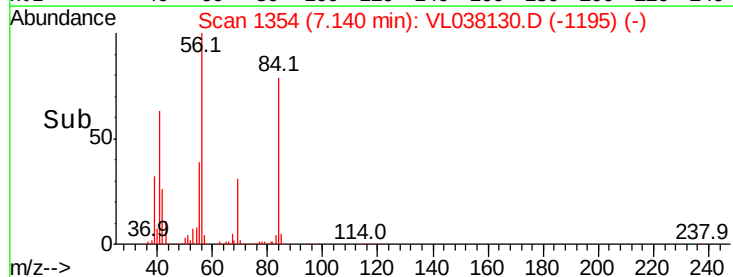
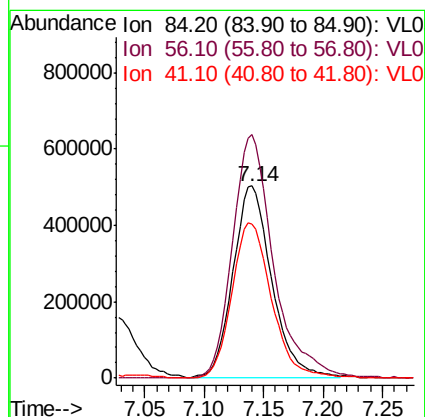
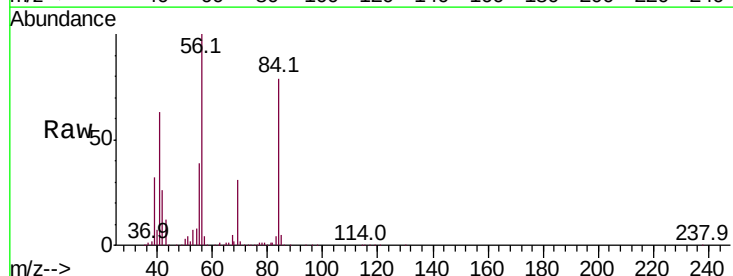
#29
Chloroform
Concen: 9.731 ppbv
RT: 5.76
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 29 Nov 2021 11:47

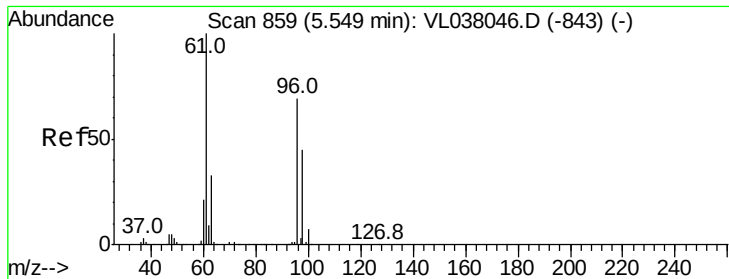
Tot Ion: 83 Resp: 2000374
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.6



#30
Cyclohexane
Concen: 9.006 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

Tgt Ion: 84 Resp: 1140404
Ion Ratio Lower Upper
84 100
56 134.7 108.1 162.1
41 82.8 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 9.396 ppbv

RT: 5.56

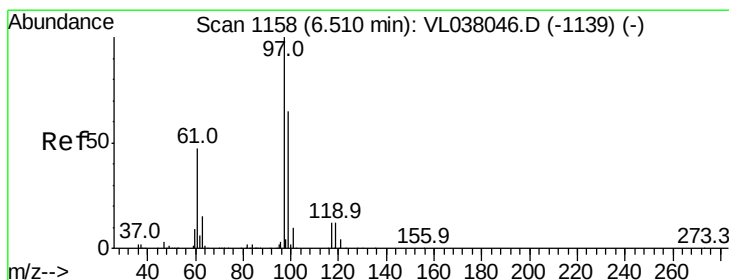
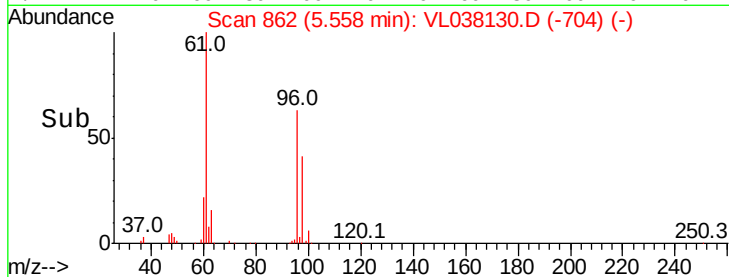
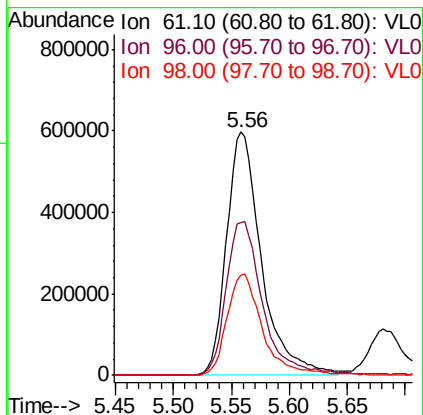
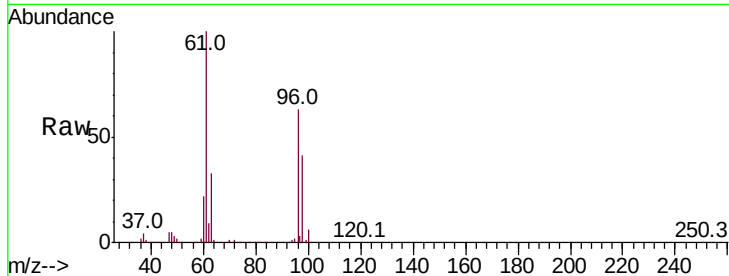
Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 29 Nov 2021 11:47

Tot Ion: 61 Resp: 1246719

Ion	Ratio	Lower	Upper
61	100		
96	62.6	55.4	83.2
98	41.1	35.7	53.5



#32

1,1,1-Trichloroethane

Concen: 9.850 ppbv

RT: 6.52 min Scan# 1161

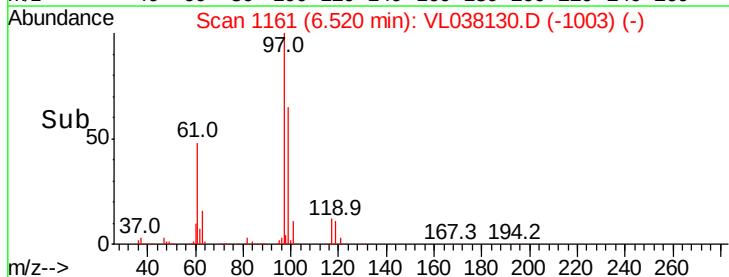
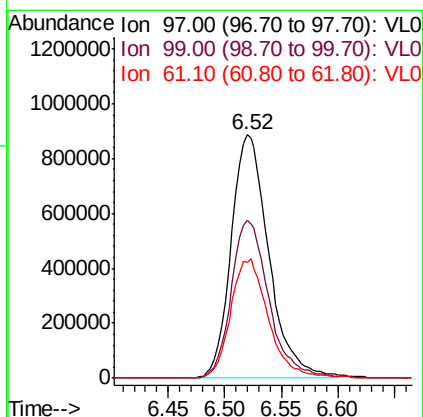
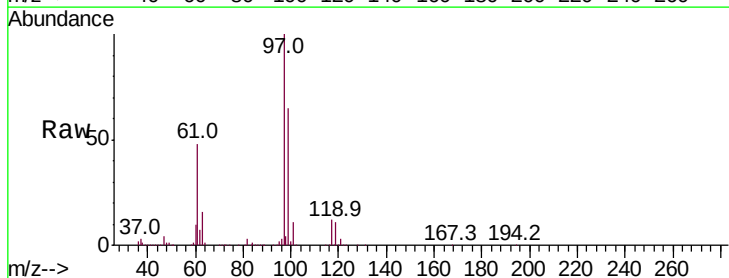
Delta R.T. 0.01 min

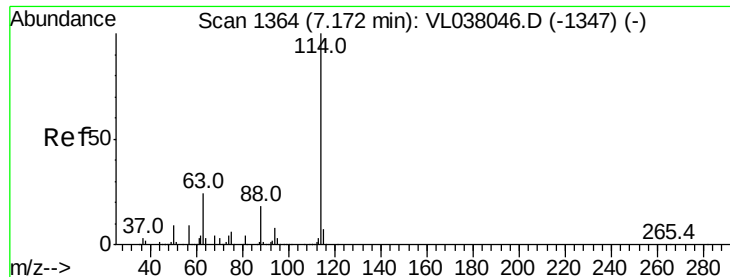
Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

Tgt Ion: 97 Resp: 2054926

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.4
61	49.2	37.7	56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1129ABS01

Acq: 29 Nov 2021 11:47

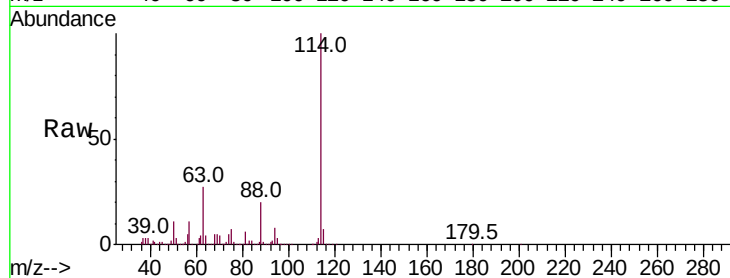
Tot Ion:114 Resp: 2845555

Ion Ratio Lower Upper

114 100

63 27.1 19.7 29.5

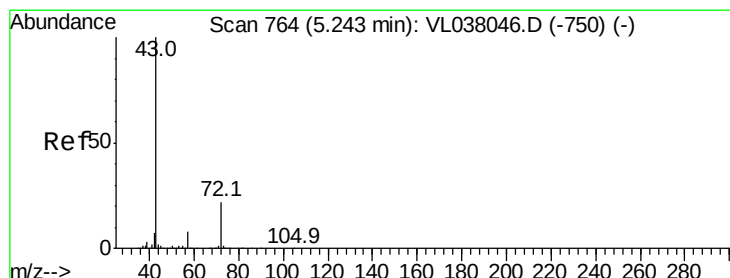
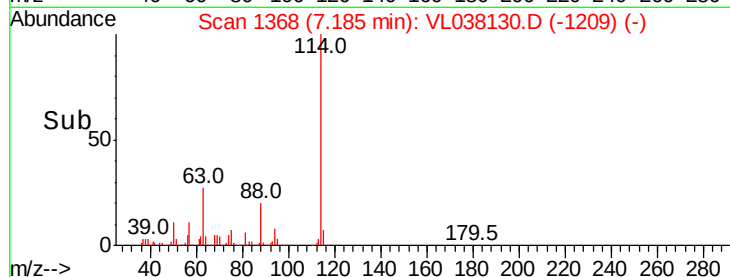
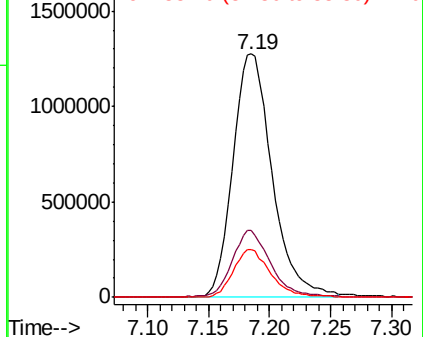
88 18.9 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 7.814 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.01 min

Lab File: VL038130.D

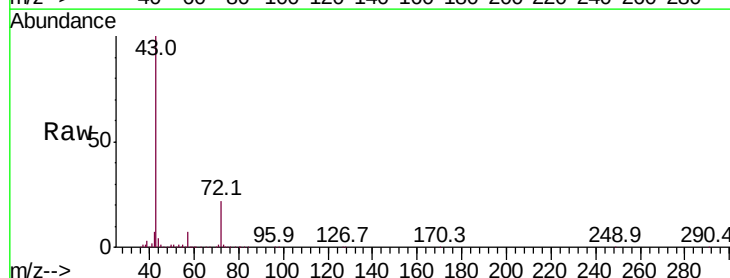
Acq: 29 Nov 2021 11:47

Tgt Ion: 43 Resp: 896597

Ion Ratio Lower Upper

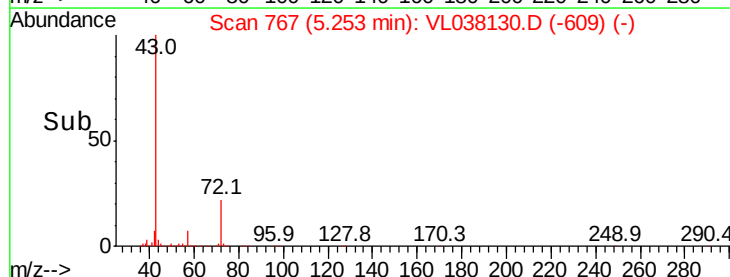
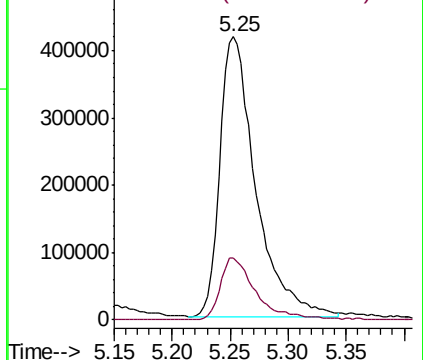
43 100

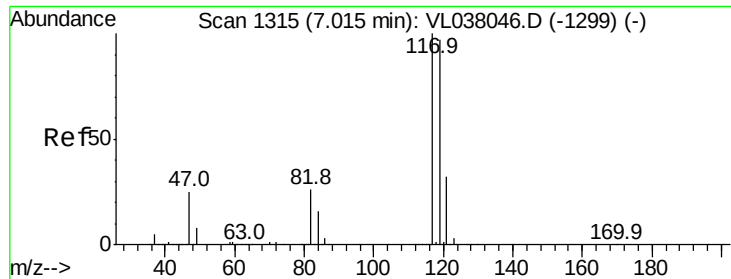
72 22.5 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

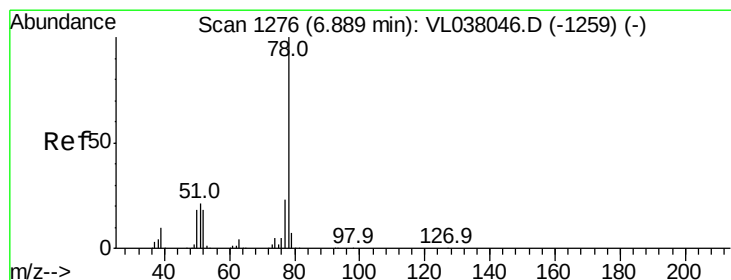
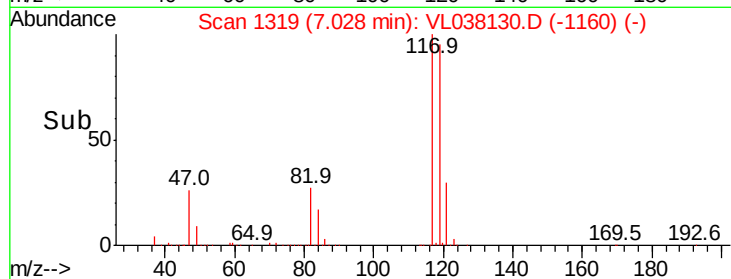
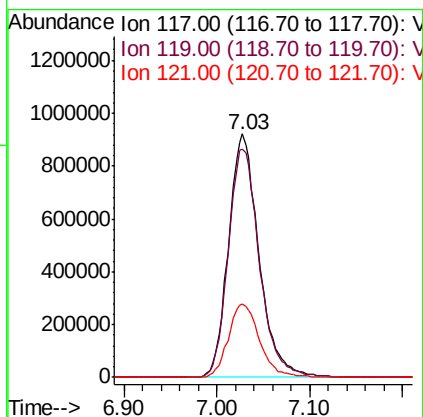
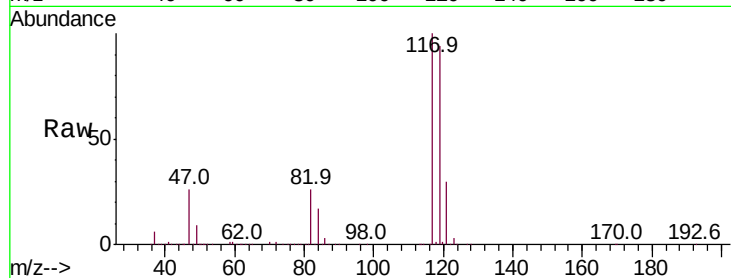
Ion 72.10 (71.80 to 72.80): VL0





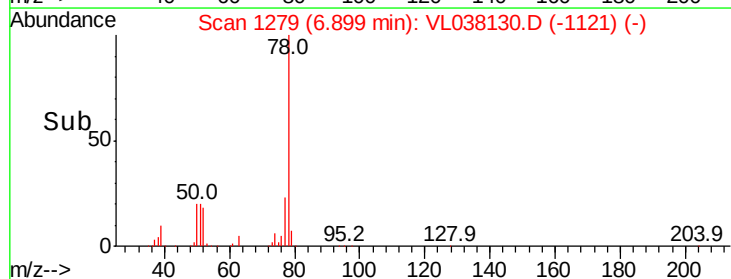
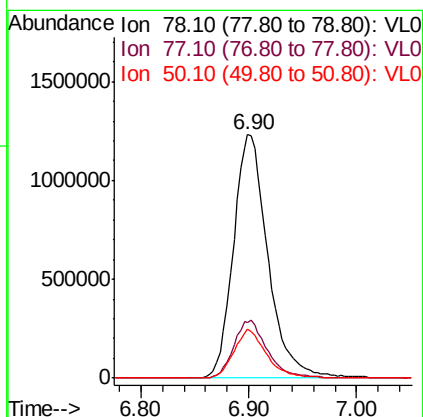
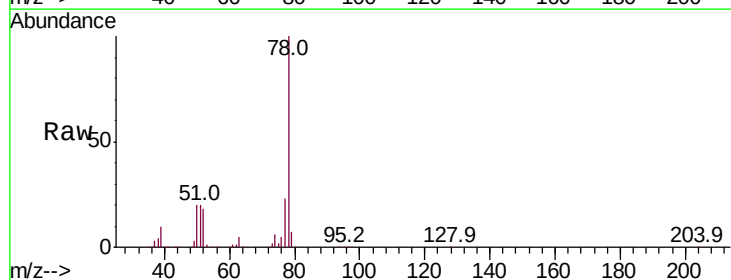
#35
Carbon Tetrachloride
Concen: 10.478 ppbv
RT: 7.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1129ABS01
Acq: 29 Nov 2021 11:47

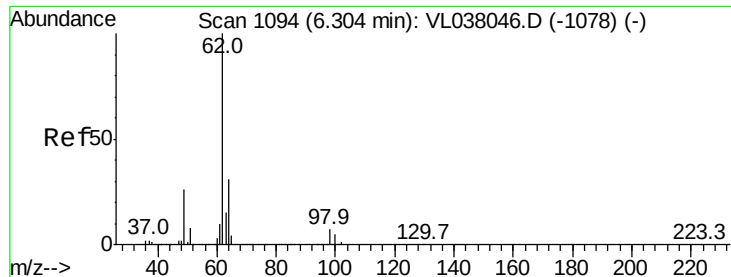
Tot Ion:117 Resp: 2094900
Ion Ratio Lower Upper
117 100
119 93.9 77.7 116.5
121 30.4 25.6 38.4



#36
Benzene
Concen: 9.628 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

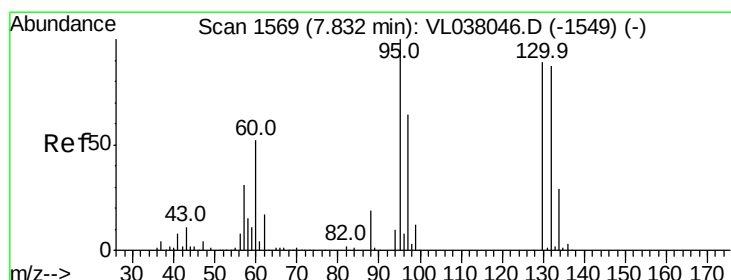
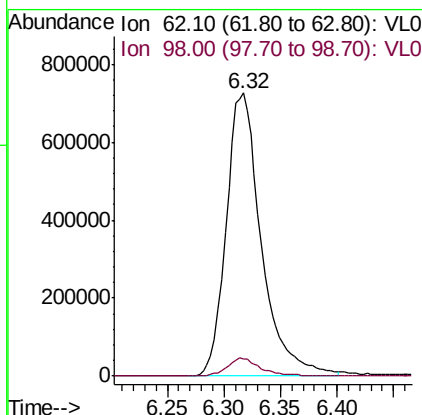
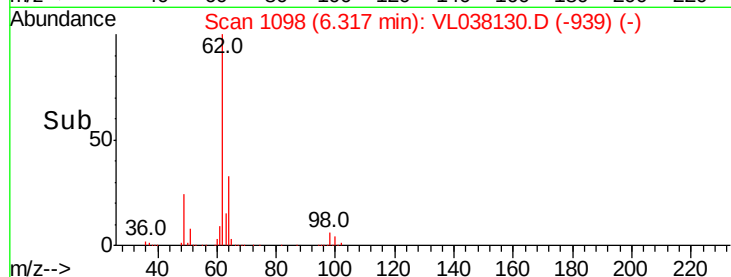
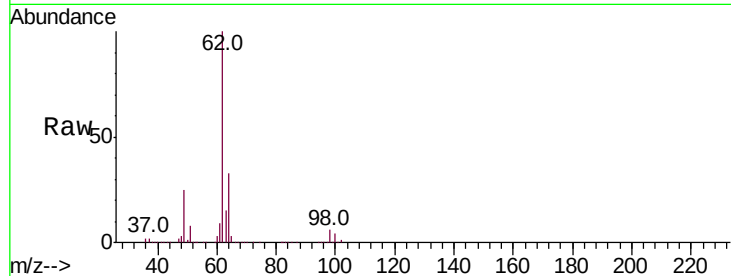
Tgt Ion: 78 Resp: 2733026
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.4
50 20.0 14.7 22.1





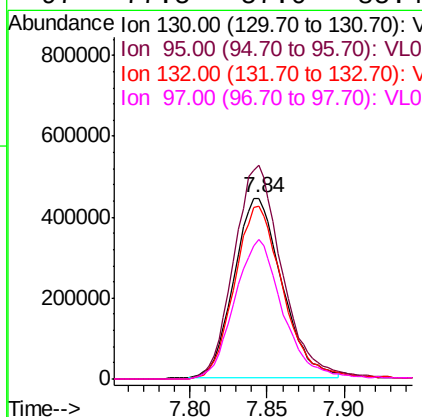
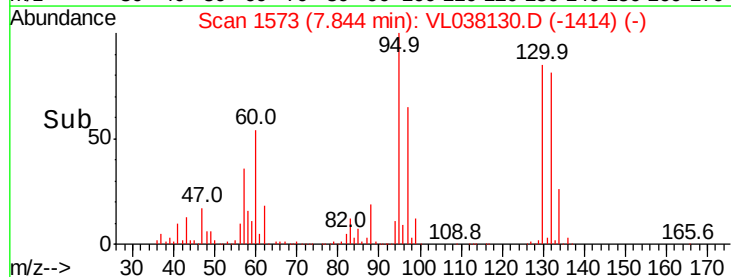
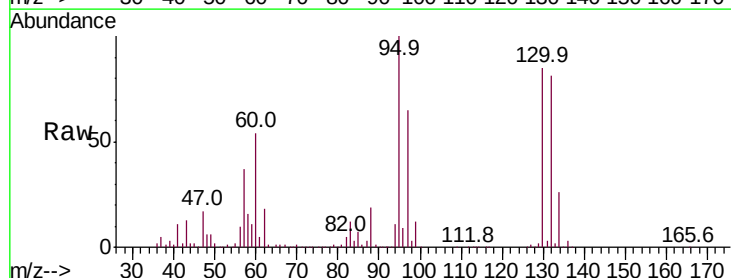
#37
 1,2-Dichloroethane
 Concen: 11.459 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1129ABS01
 Acq: 29 Nov 2021 11:47

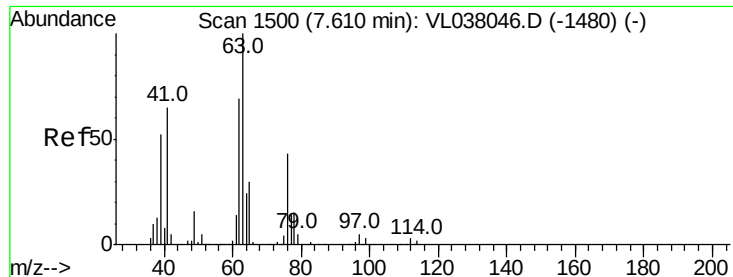
Tot Ion: 62 Resp: 1570891
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.8 8.6



#38
 Trichloroethene
 Concen: 8.935 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion:130 Resp: 956638
 Ion Ratio Lower Upper
 130 100
 95 118.8 89.4 134.2
 132 95.8 78.2 117.2
 97 77.5 57.0 85.4





#39

1,2-Dichloropropane

Concen: 9.927 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Nov 2021 11:47 VL1129ABS01

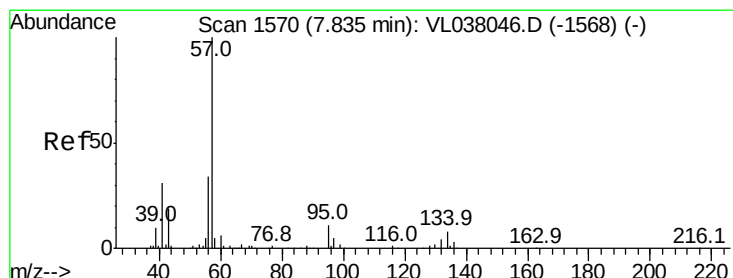
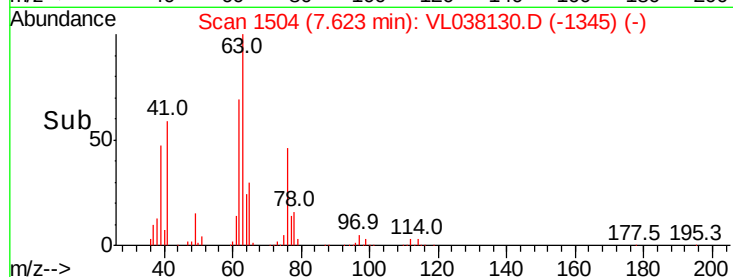
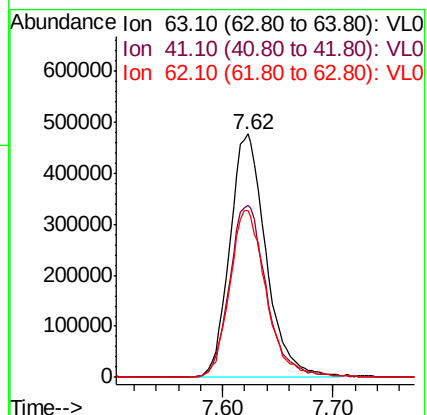
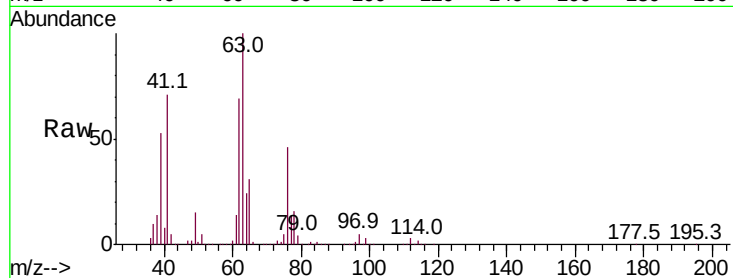
Tot Ion: 63 Resp: 1080852

Ion Ratio Lower Upper

63 100

41 70.8 52.3 78.5

62 68.6 55.1 82.7



#40

1,4-Dioxane

Concen: 5.036 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

Tgt Ion: 88 Resp: 142856

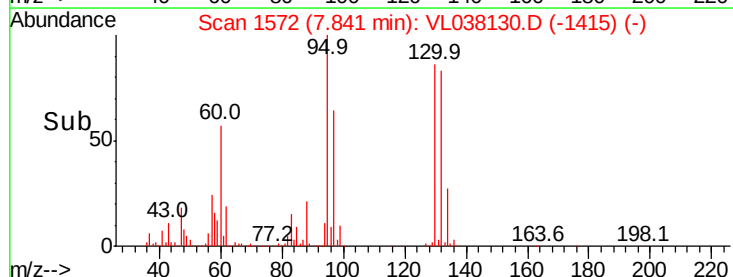
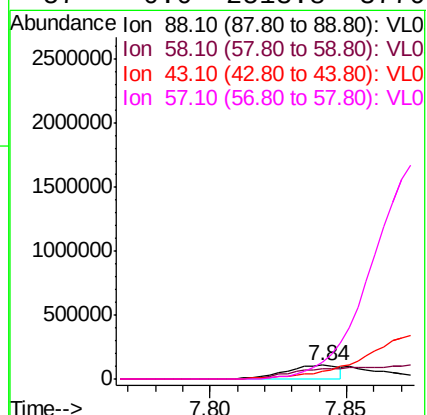
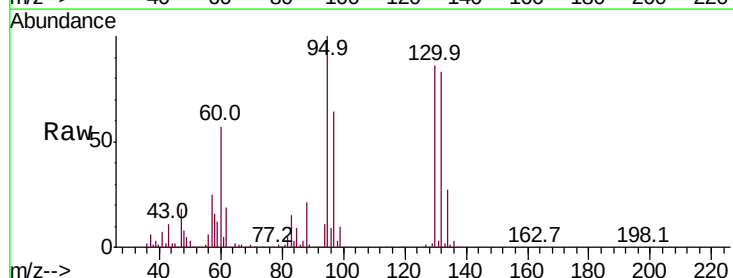
Ion Ratio Lower Upper

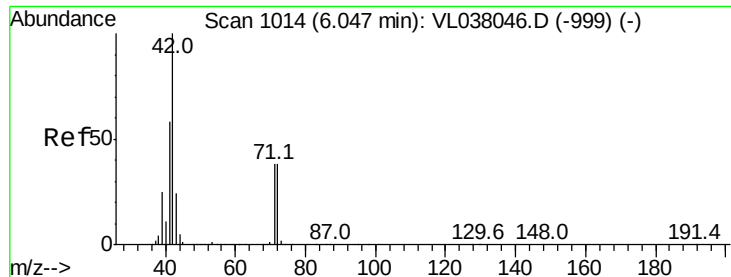
88 100

58 0.0 229.2 343.8#

43 0.0 553.3 829.9#

57 0.0 2513.8 3770.8#





#41

Tetrahydrofuran

Concen: 9.484 ppbv

RT: 6.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 11:47

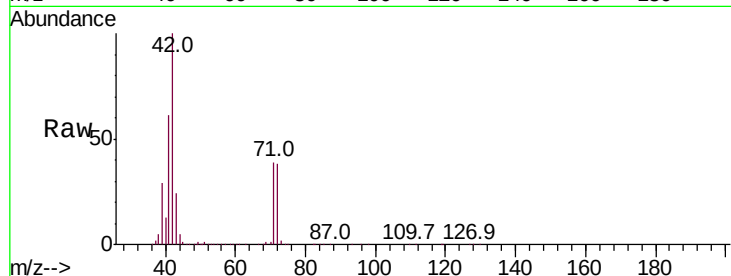
Tot Ion: 42 Resp: 675500

Ion Ratio Lower Upper

42 100

72 39.2 31.7 47.5

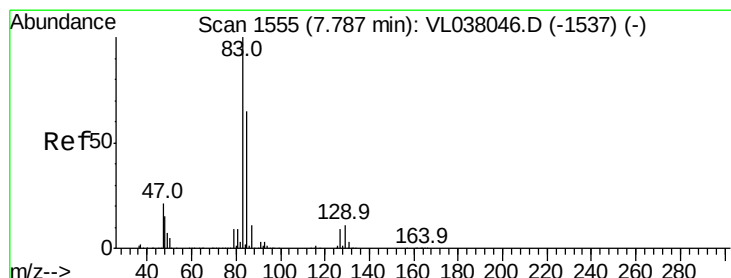
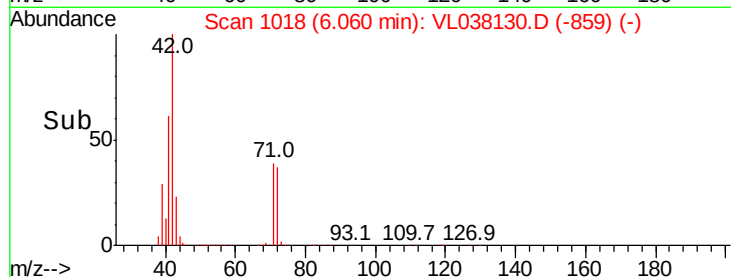
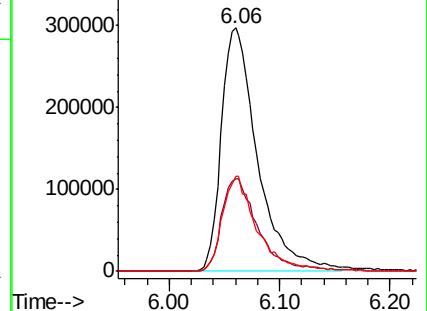
71 38.1 30.6 46.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.577 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

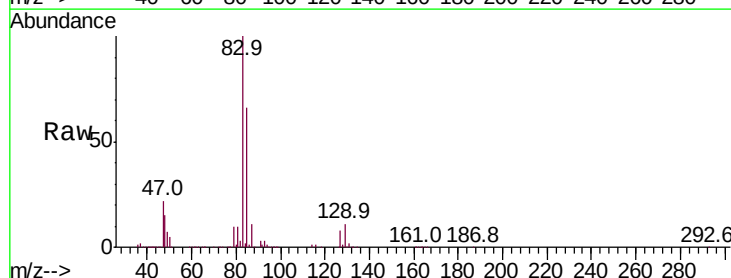
Tgt Ion: 83 Resp: 2204437

Ion Ratio Lower Upper

83 100

85 66.1 51.9 77.9

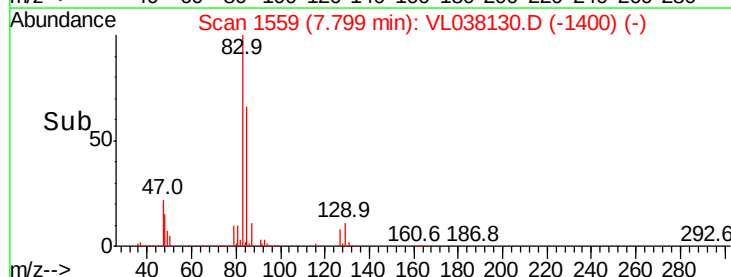
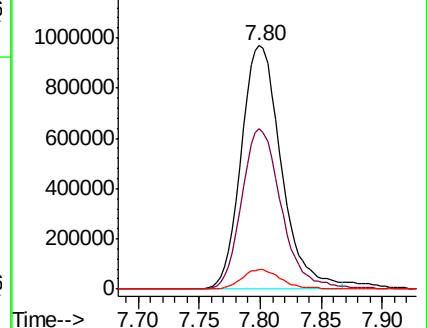
127 7.9 6.8 10.2

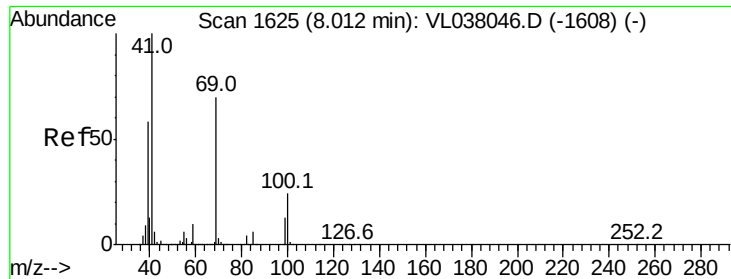


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.518 ppbv

RT: 8.02

Instrument: MSVOA_1

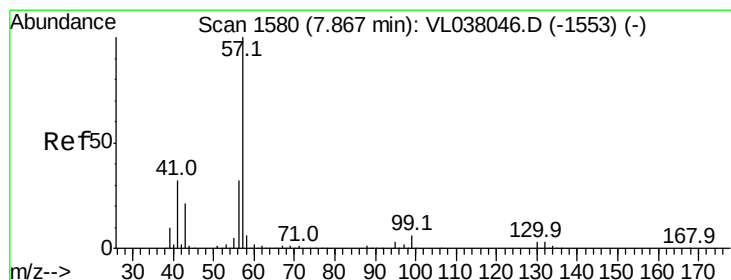
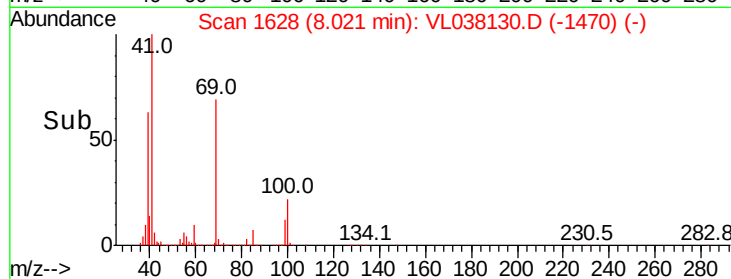
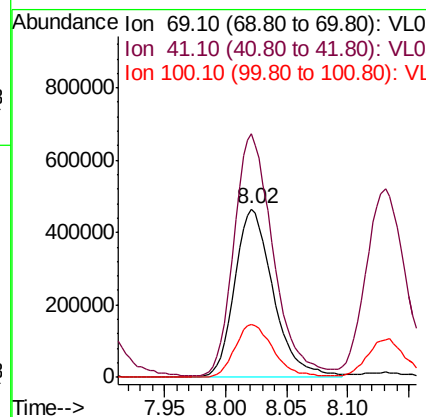
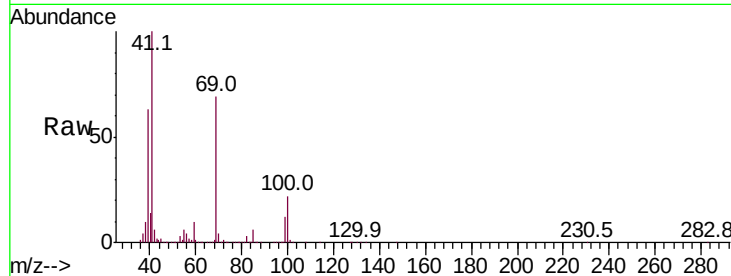
Delta R.T. ClientSampleId:

Lab File: VL1129ABS01

Acq: 29 Nov 2021 11:47

Tot Ion: 69 Resp: 1021403

Ion	Ratio	Lower	Upper
69	100		
41	147.1	116.7	175.1
100	31.6	27.3	40.9



#44

2,2,4-Trimethylpentane

Concen: 9.365 ppbv

RT: 7.88 min Scan# 1583

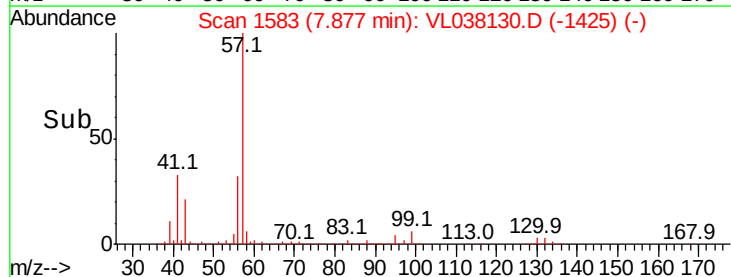
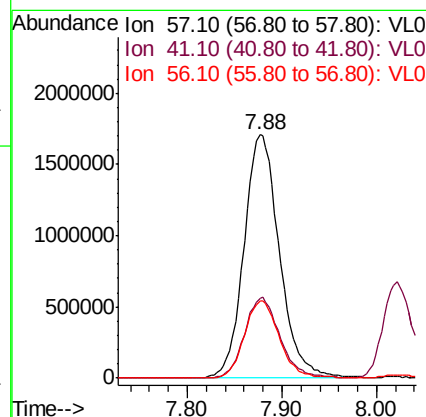
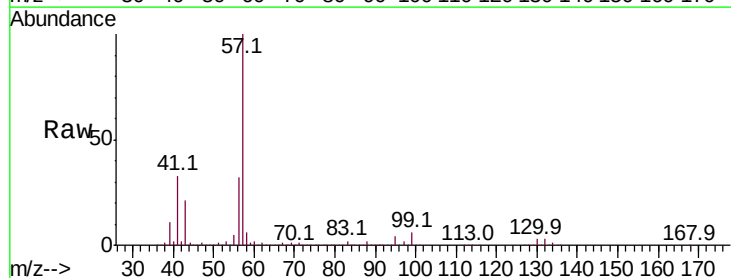
Delta R.T. 0.01 min

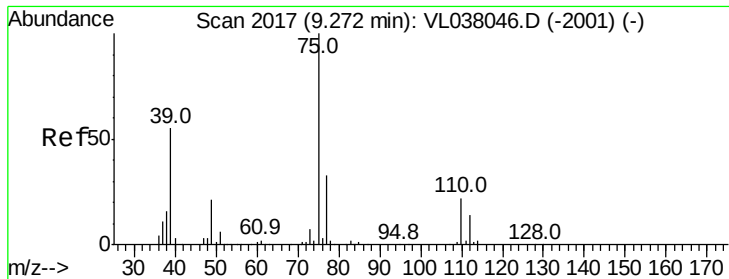
Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

Tgt Ion: 57 Resp: 4447451

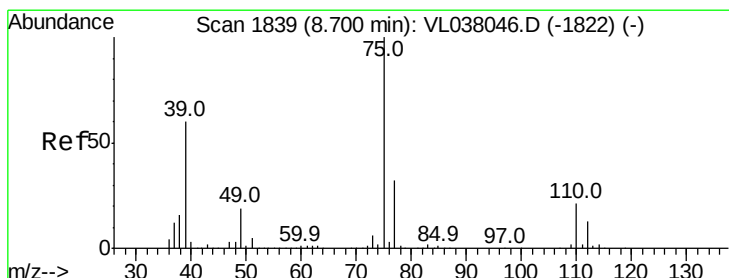
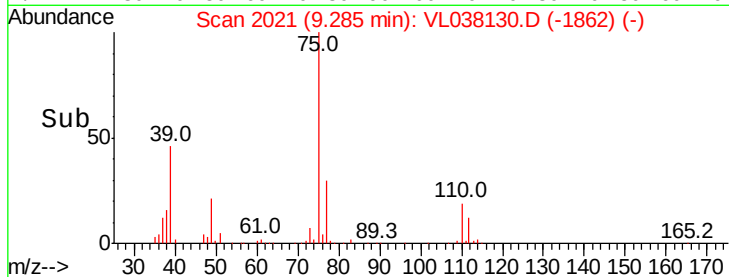
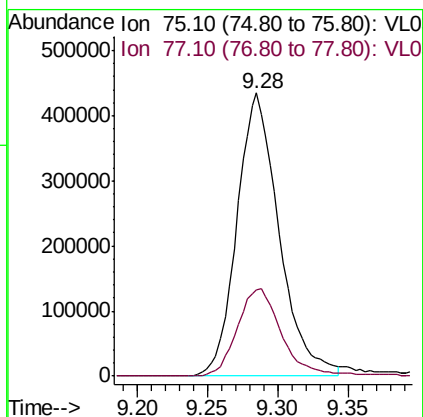
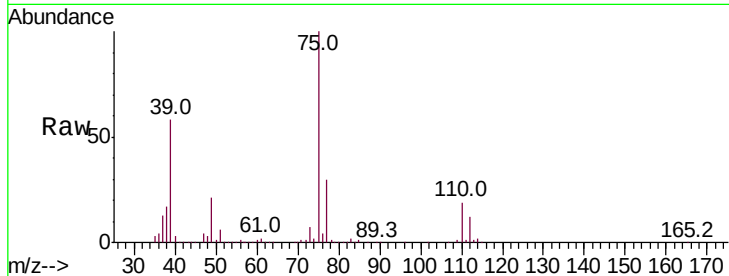
Ion	Ratio	Lower	Upper
57	100		
41	32.9	25.8	38.6
56	31.5	25.6	38.4





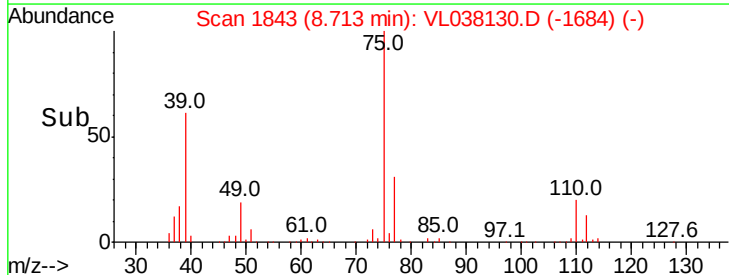
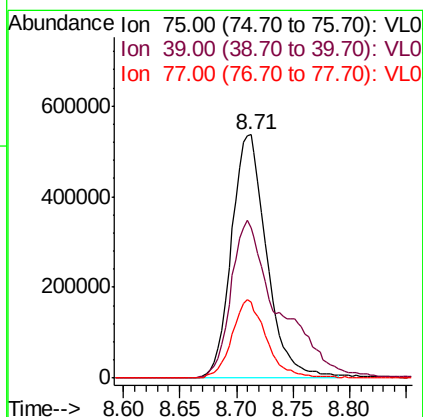
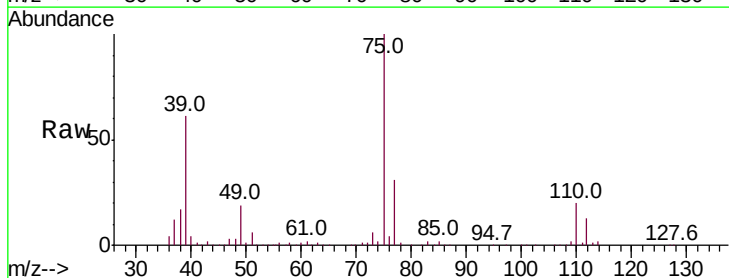
#45
 t-1,3-Dichloropropene
 Concen: 11.594 ppbv
 RT: 9.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1129ABS01
 Acq: 29 Nov 2021 11:47

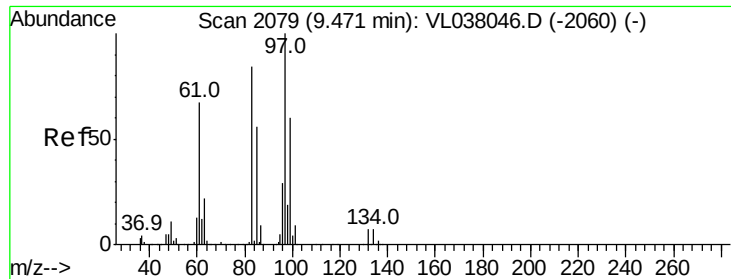
Tot Ion: 75 Resp: 903148
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.2 39.4



#46
 cis-1,3-Dichloropropene
 Concen: 11.043 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion: 75 Resp: 1163471
 Ion Ratio Lower Upper
 75 100
 39 61.3 47.8 71.8
 77 31.4 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.678 ppbv

RT: 9.48 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VL1129ABS01

Acq: 29 Nov 2021 11:47

Tot Ion: 97 Resp: 1103608

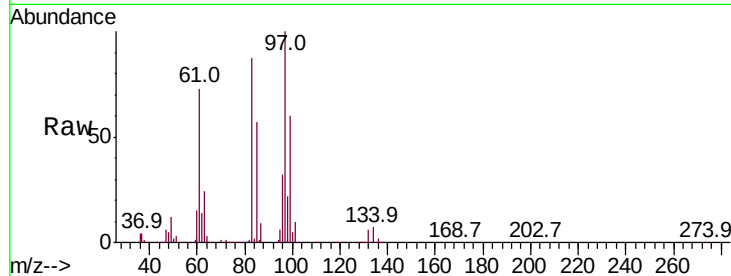
Ion Ratio Lower Upper

97 100

83 87.2 66.8 100.2

85 57.4 44.9 67.3

99 59.8 48.0 72.0

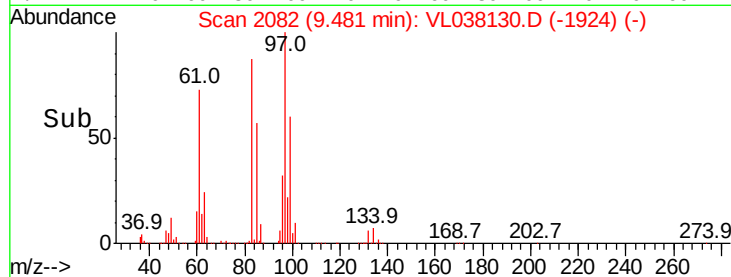
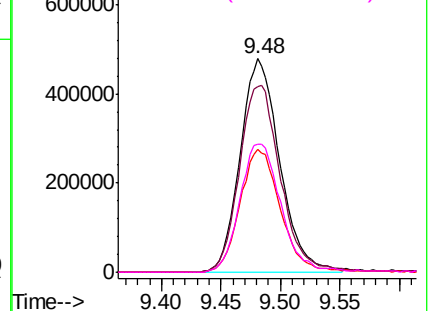


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.350 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. 0.01 min

Lab File: VL038130.D

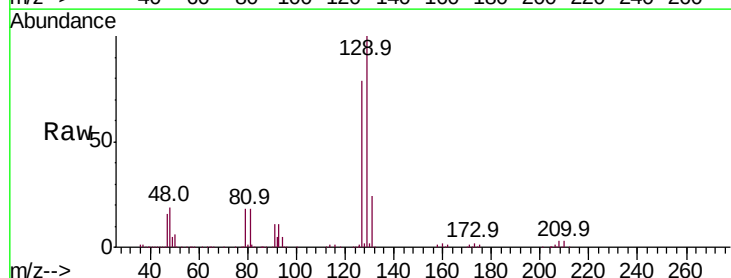
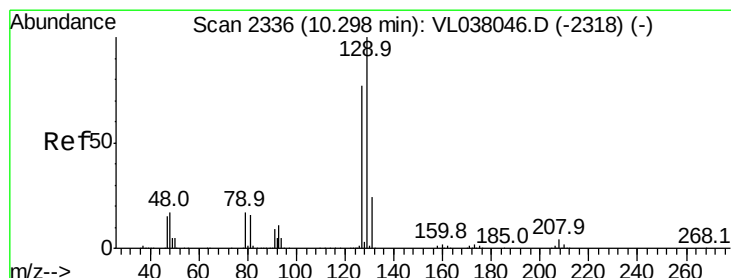
Acq: 29 Nov 2021 11:47

Tgt Ion:129 Resp: 1797492

Ion Ratio Lower Upper

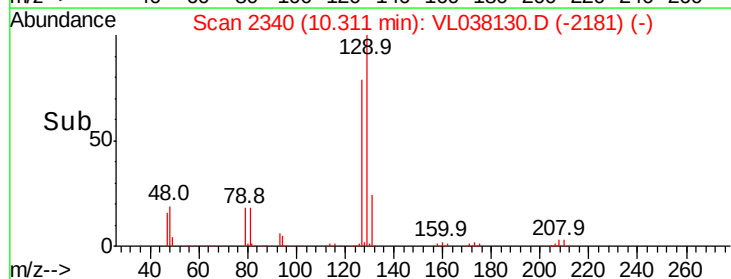
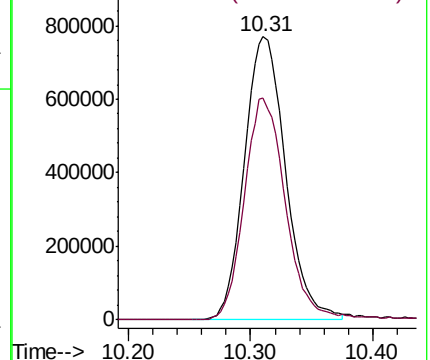
129 100

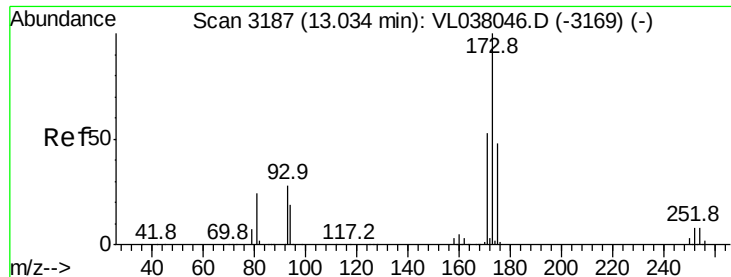
127 79.3 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.445 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Nov 2021 11:47

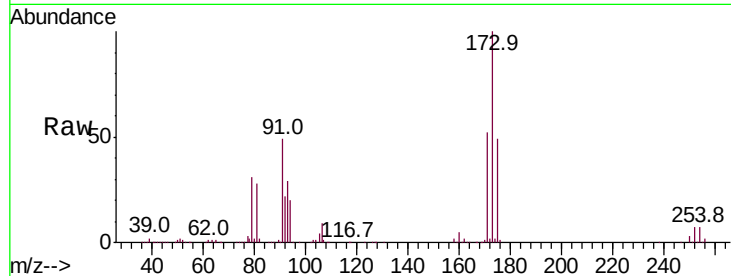
Tot Ion:173 Resp: 1297739

Ion Ratio Lower Upper

173 100

175 50.6 42.5 63.7

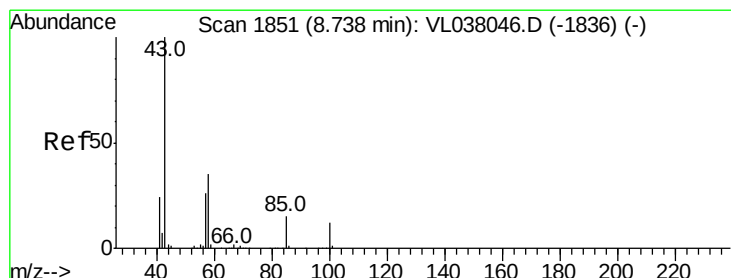
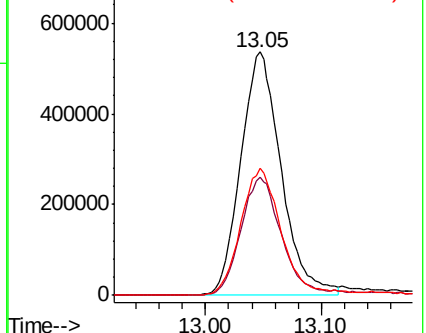
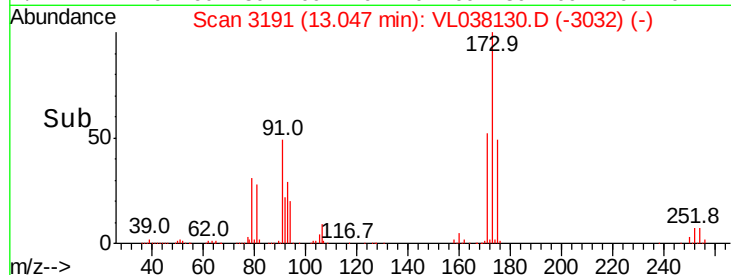
171 55.3 44.0 66.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.304 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038130.D

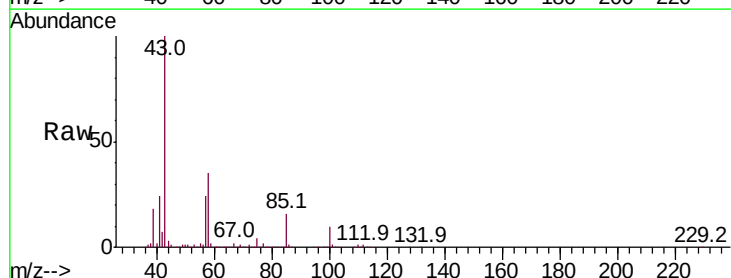
Acq: 29 Nov 2021 11:47

Tgt Ion: 43 Resp: 1795481

Ion Ratio Lower Upper

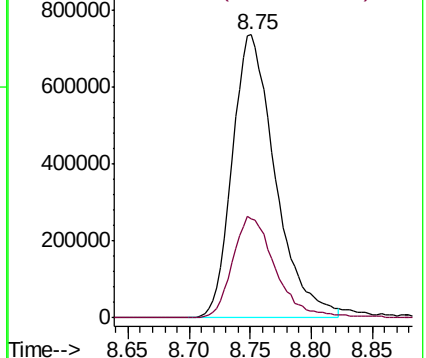
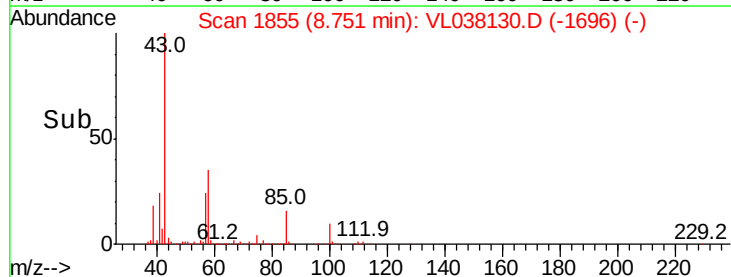
43 100

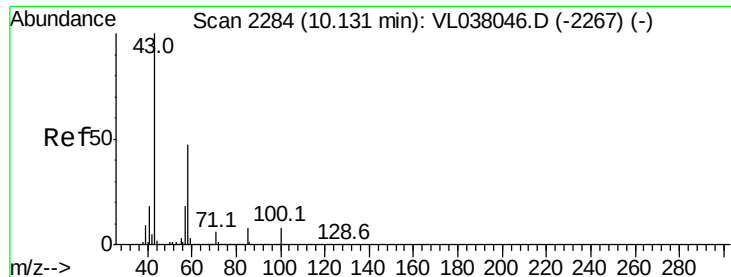
58 36.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

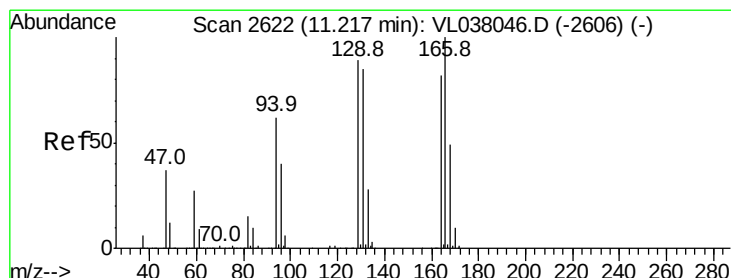
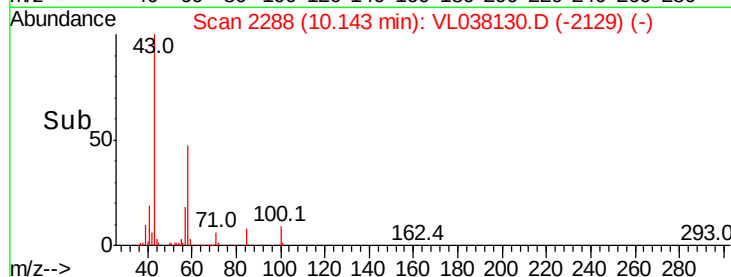
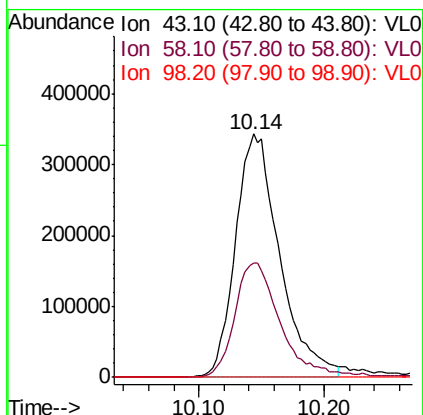
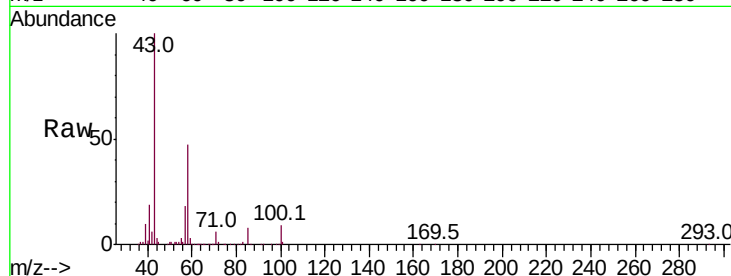
Ion 58.10 (57.80 to 58.80): VL0





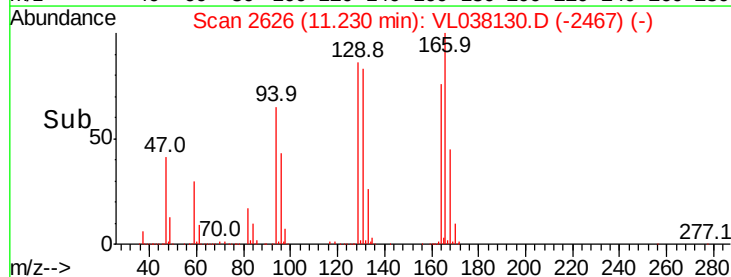
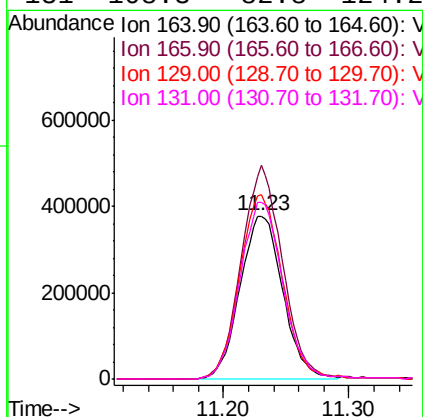
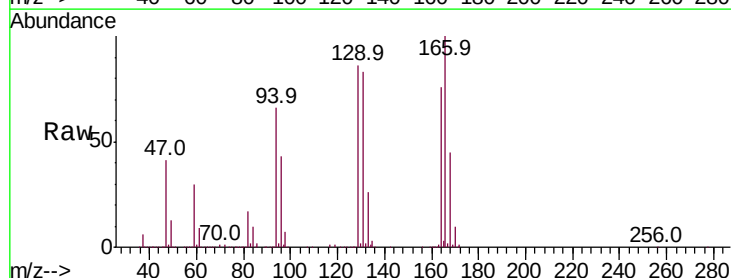
#51
2-Hexanone
Concen: 10.242 ppbv
RT: 10.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Nov 2021 11:47

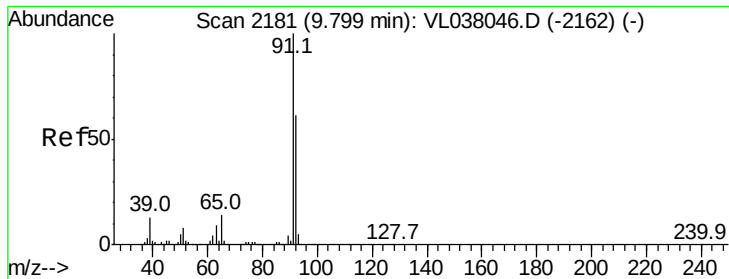
Tot Ion: 43 Resp: 839691
Ion Ratio Lower Upper
43 100
58 49.5 41.1 61.7
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.503 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

Tgt Ion: 164 Resp: 893007
Ion Ratio Lower Upper
164 100
166 130.9 97.2 145.8
129 112.5 86.9 130.3
131 108.3 82.8 124.2





#53

Toluene

Concen: 9.389 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

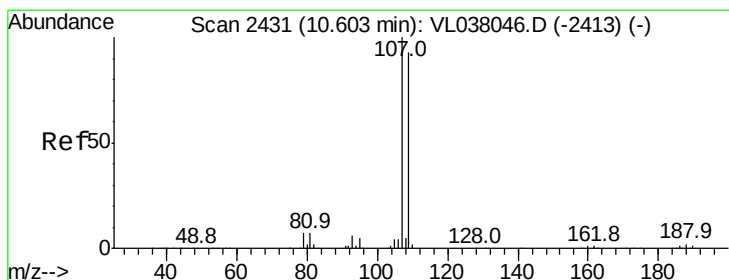
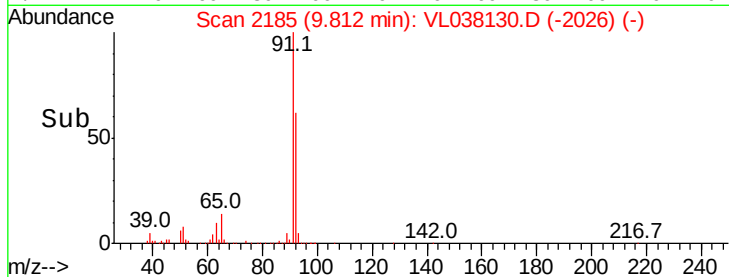
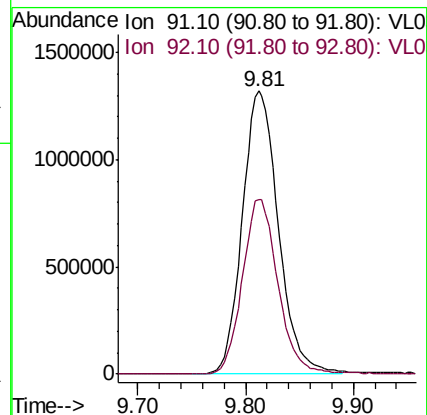
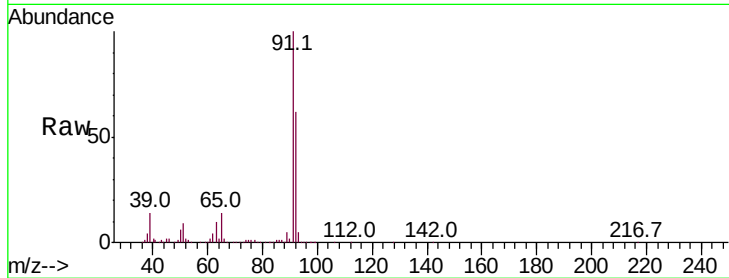
Acq: 29 Nov 2021 11:47 VL1129ABS01

Tot Ion: 91 Resp: 3066396

Ion Ratio Lower Upper

91 100

92 61.4 49.7 74.5



#54

1,2-Dibromoethane

Concen: 9.782 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.01 min

Lab File: VL038130.D

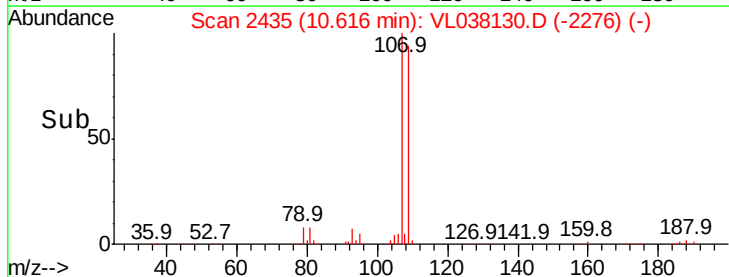
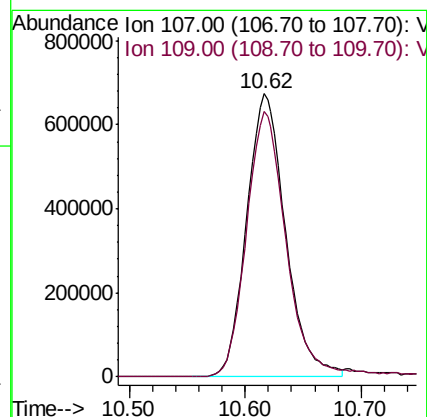
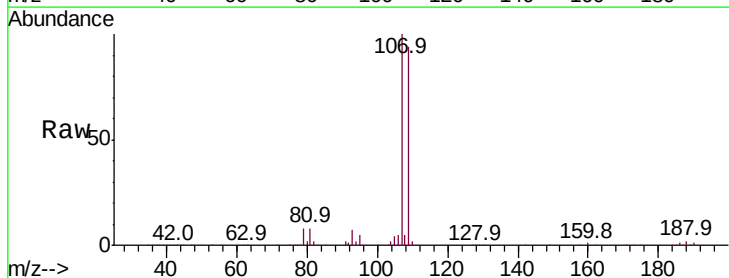
Acq: 29 Nov 2021 11:47

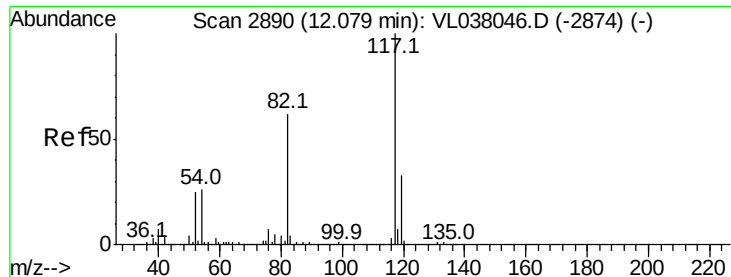
Tgt Ion: 107 Resp: 1575648

Ion Ratio Lower Upper

107 100

109 93.8 74.6 111.8

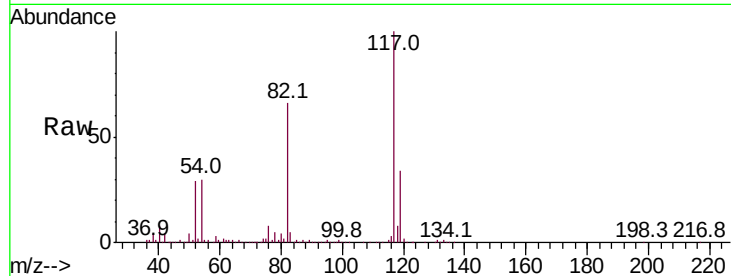




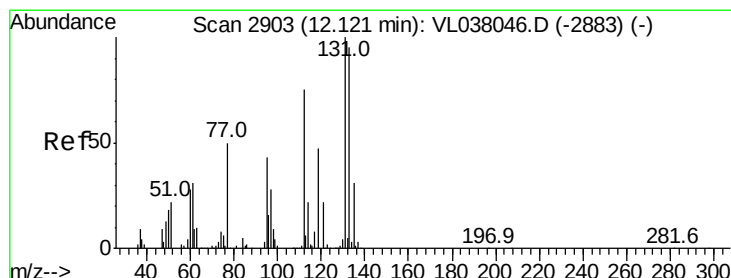
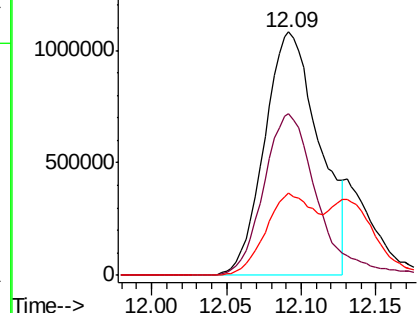
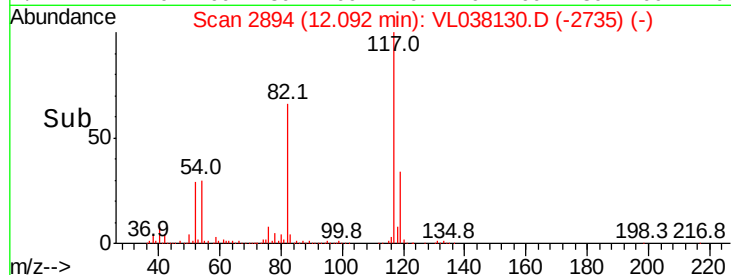
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1129ABS01
Acq: 29 Nov 2021 11:47

Tot Ion:117 Resp: 2746246

Ion	Ratio	Lower	Upper
117	100		
82	67.6	52.8	79.2
119	28.9	26.8	40.2



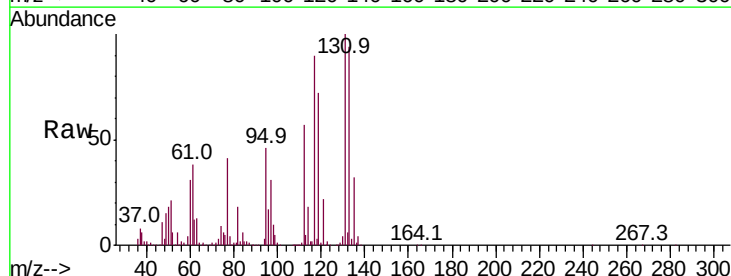
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



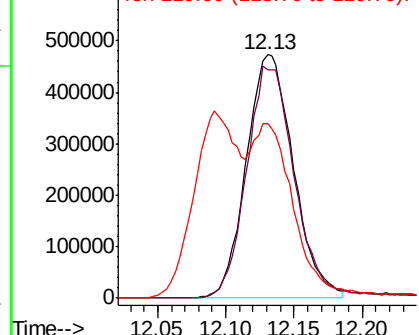
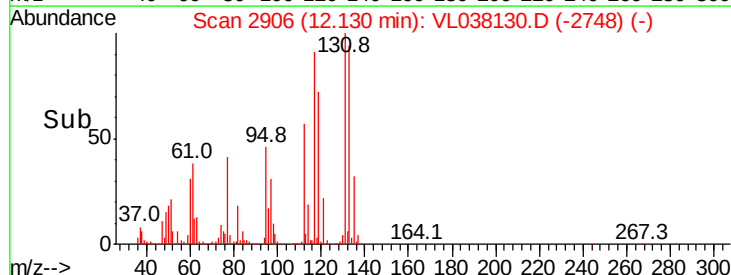
#56
1,1,1,2-Tetrachloroethane
Concen: 9.093 ppbv
RT: 12.13 min Scan# 2906
Delta R.T.: 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

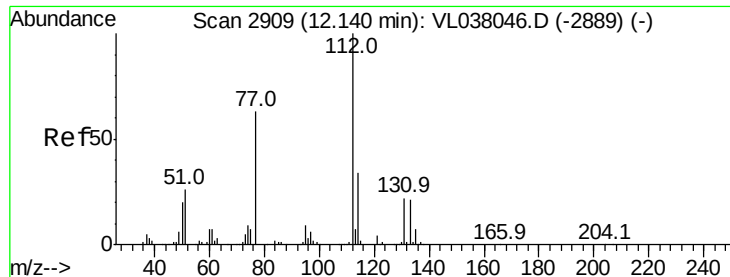
Tgt Ion:131 Resp: 1133568

Ion	Ratio	Lower	Upper
131	100		
133	99.9	78.8	118.2
119	64.0	56.3	84.5



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

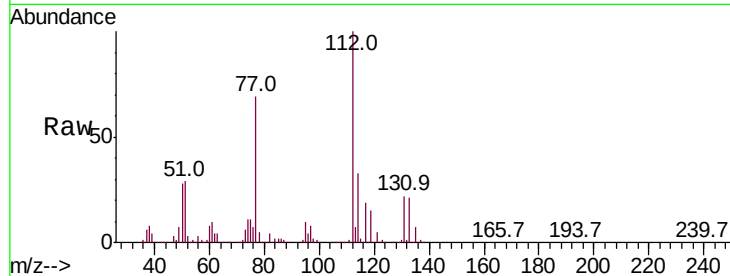




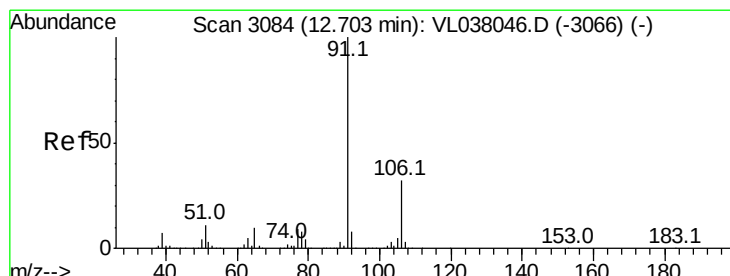
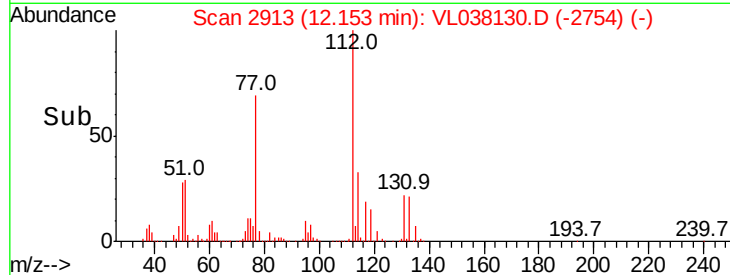
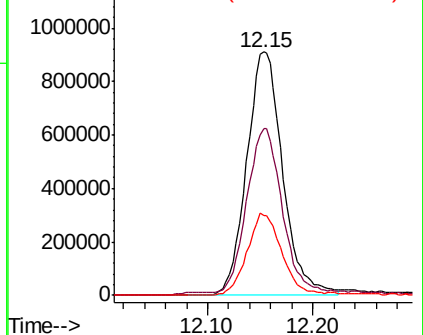
#57
Chlorobenzene
Concen: 8.802 ppbv
RT: 12.15 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL1129ABS01
Acq: 29 Nov 2021 11:47

Tot Ion:112 Resp: 2166631

Ion	Ratio	Lower	Upper
112	100		
77	67.7	50.3	75.5
114	32.9	30.7	37.5



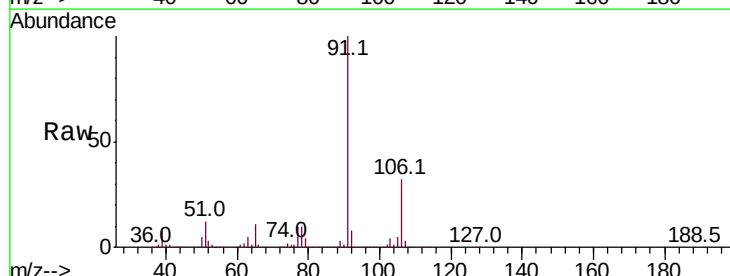
Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



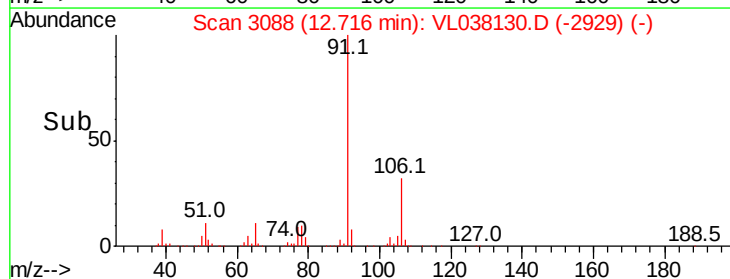
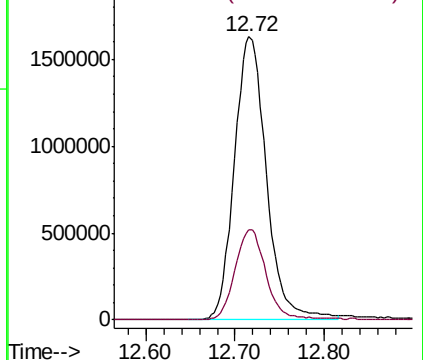
#58
Ethyl Benzene
Concen: 8.948 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.01 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

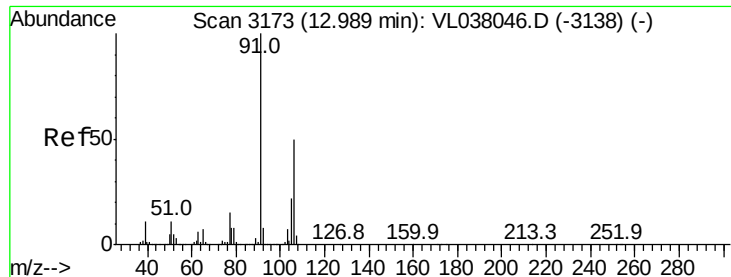
Tgt Ion: 91 Resp: 4061306

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.8	38.6



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





#59

m/p-Xylene

Concen: 8.736 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

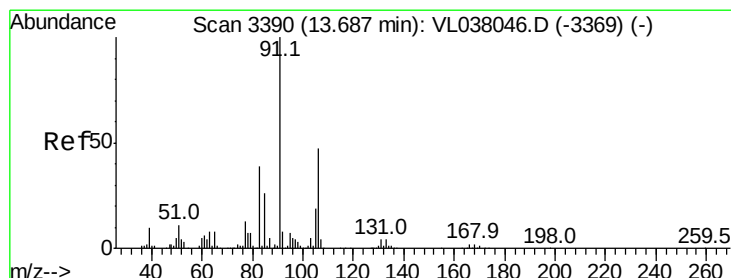
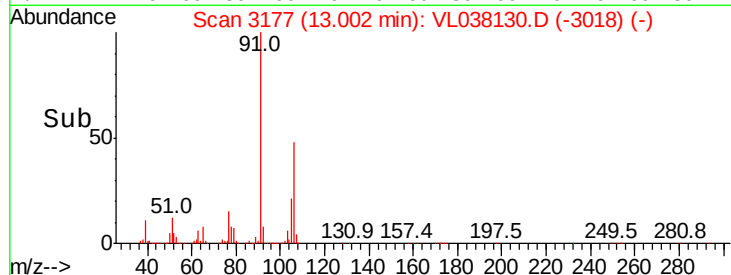
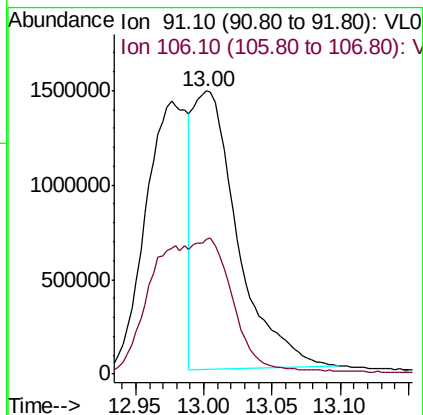
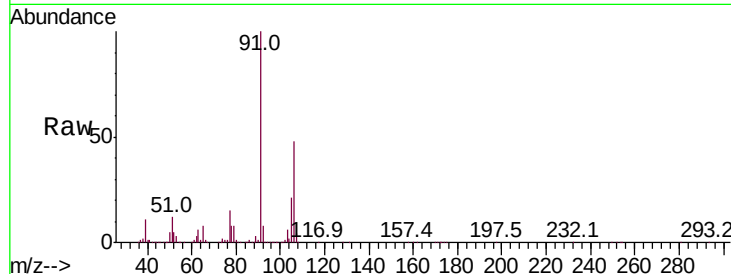
Acq: 29 Nov 2021 11:47

Tot Ion: 91 Resp: 3338130

Ion Ratio Lower Upper

91 100

106 90.4 38.1 57.1#



#60

o-Xylene

Concen: 8.760 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VL038130.D

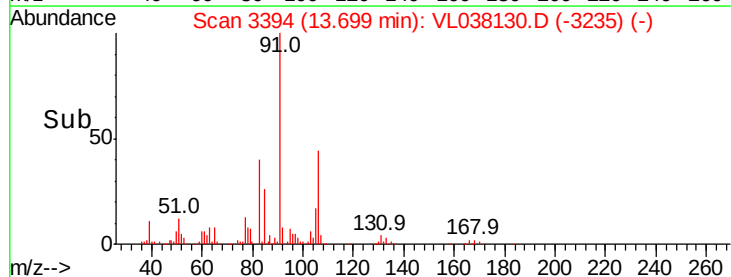
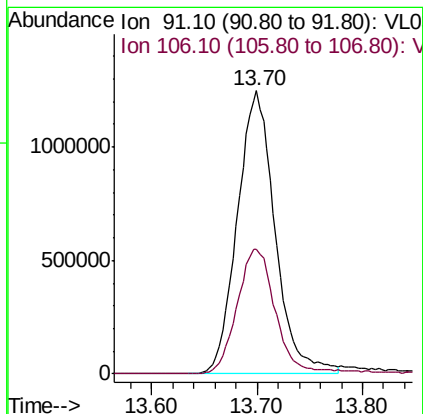
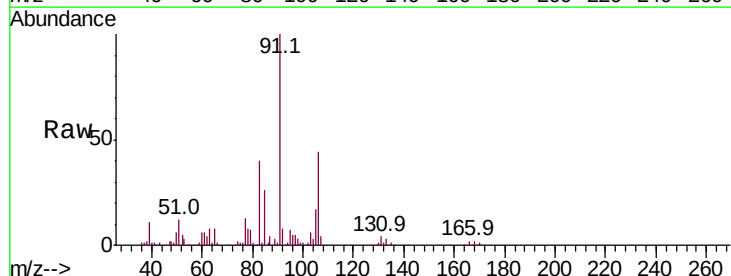
Acq: 29 Nov 2021 11:47

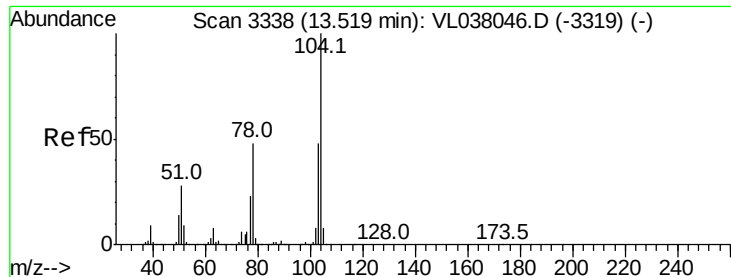
Tgt Ion: 91 Resp: 3105151

Ion Ratio Lower Upper

91 100

106 46.2 24.2 72.6





#61

Stvrene

Concen: 8.801 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 11:47

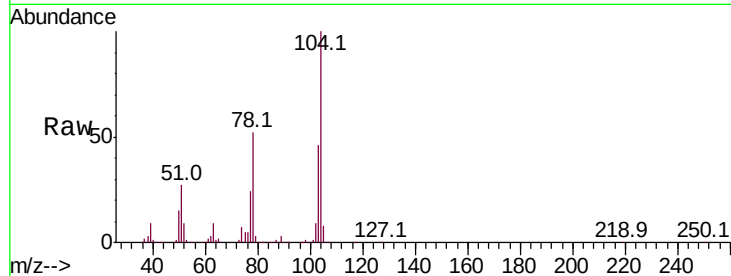
Tot Ion:104 Resp: 1672416

Ion Ratio Lower Upper

104 100

78 56.1 39.8 59.6

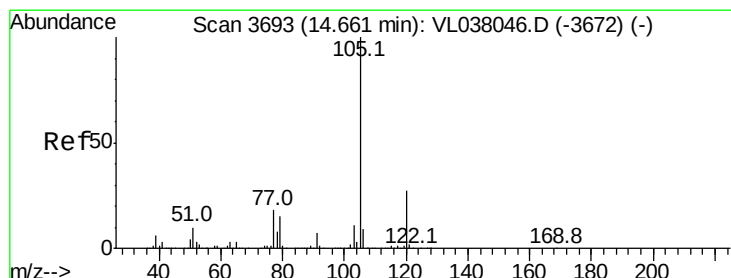
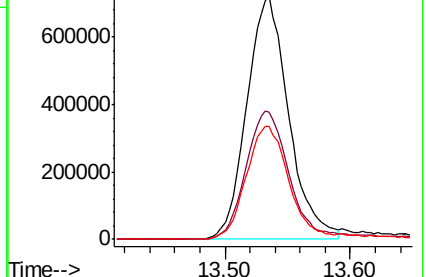
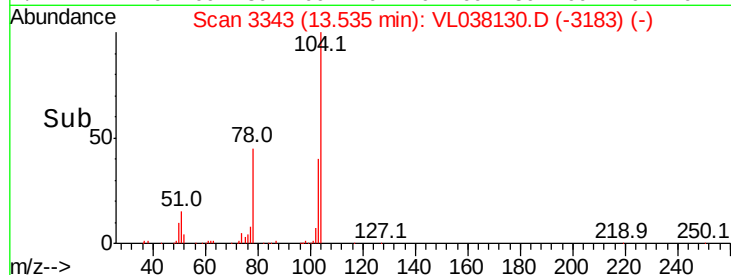
103 49.6 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.512 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VL038130.D

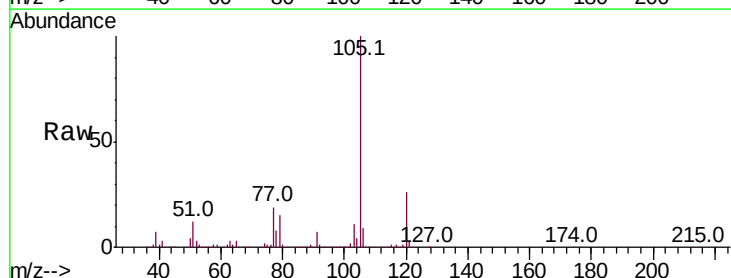
Acq: 29 Nov 2021 11:47

Tgt Ion:105 Resp: 4282816

Ion Ratio Lower Upper

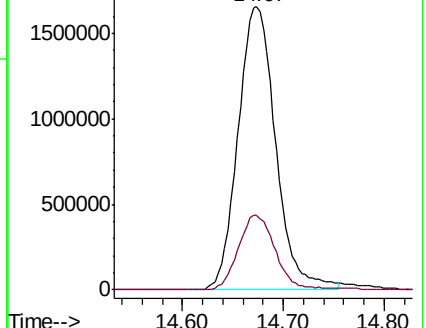
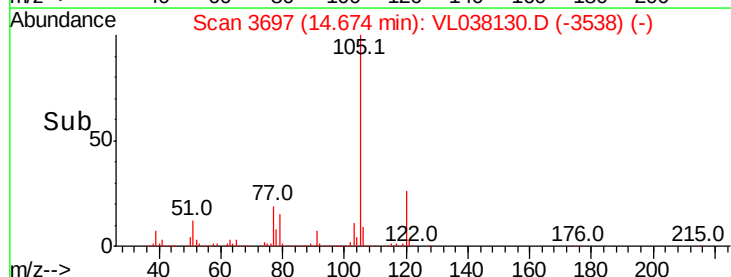
105 100

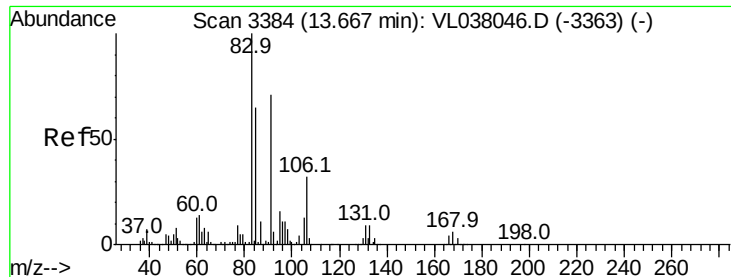
120 26.5 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

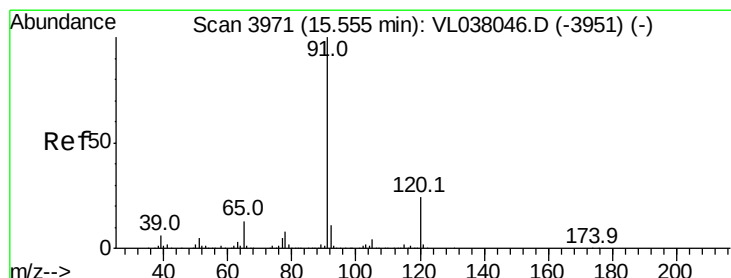
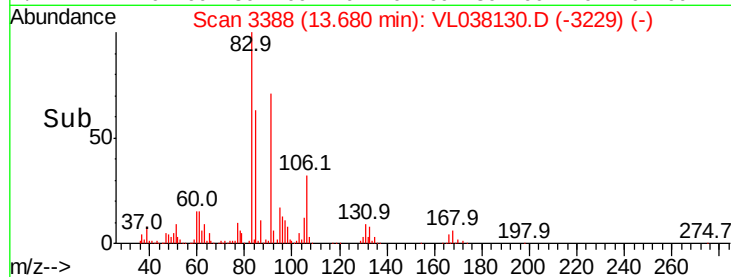
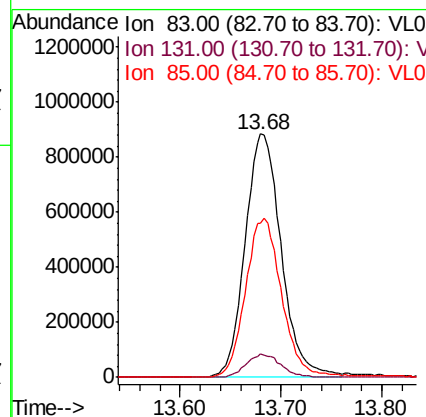
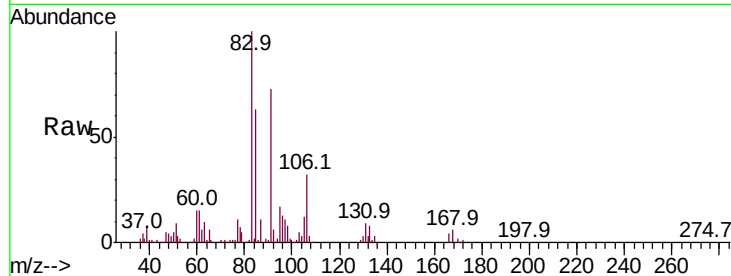




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.317 ppbv
 RT: 13.68 min
 Delta R.T. 0.01 min
 Lab File: VL1129ABS01
 Acq: 29 Nov 2021 11:47

Tot Ion: 83 Resp: 2189732

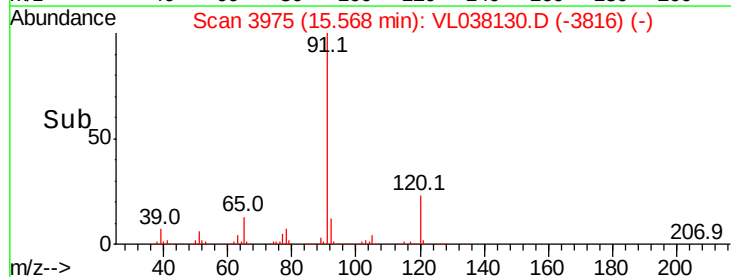
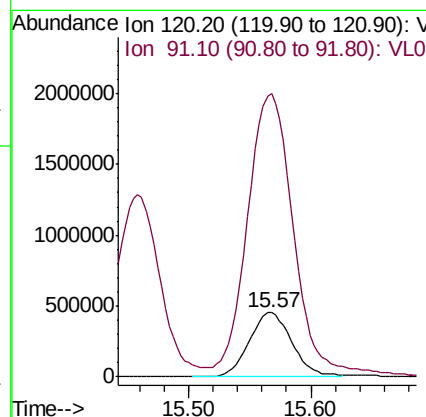
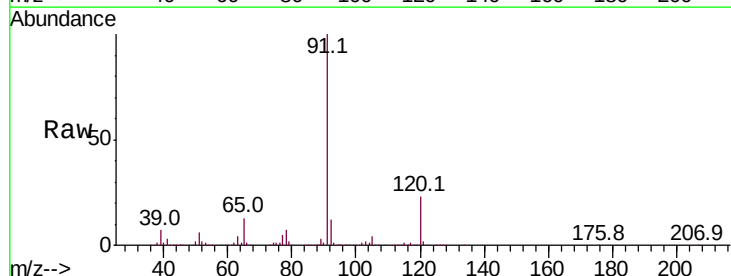
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.9	14.7
85	66.2	33.4	100.1

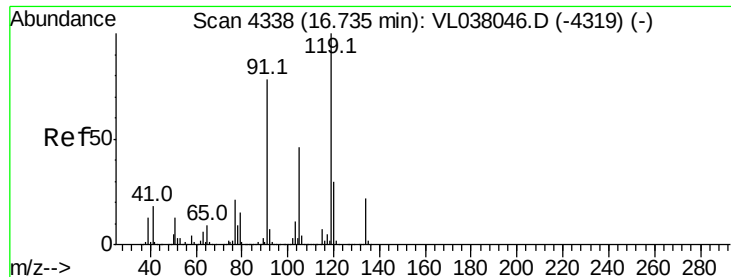


#64
 n-propylbenzene
 Concen: 8.592 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion: 120 Resp: 1101284

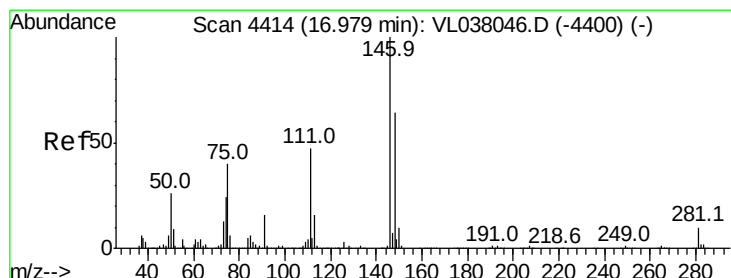
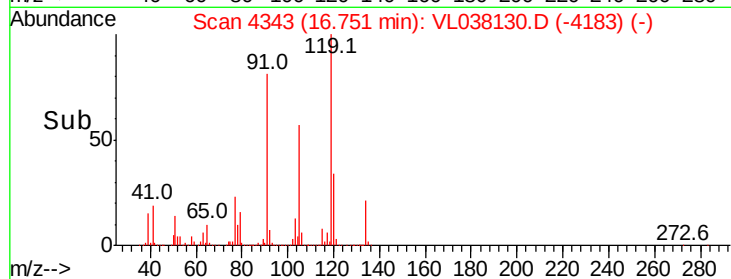
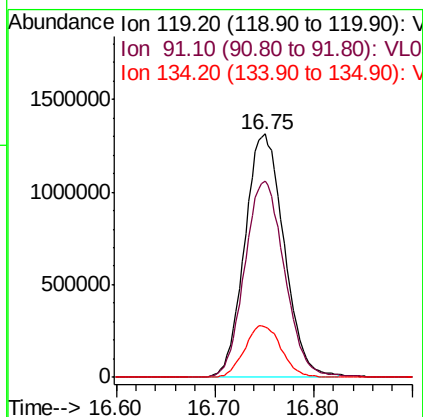
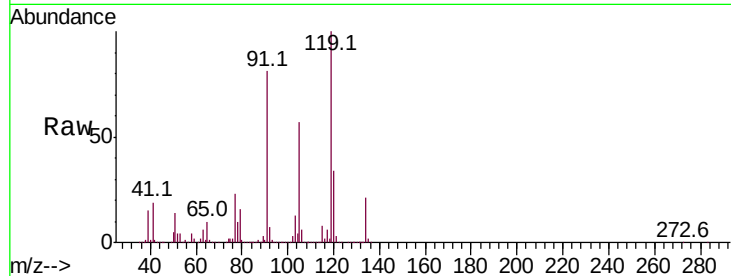
Ion	Ratio	Lower	Upper
120	100		
91	479.9	371.7	557.5





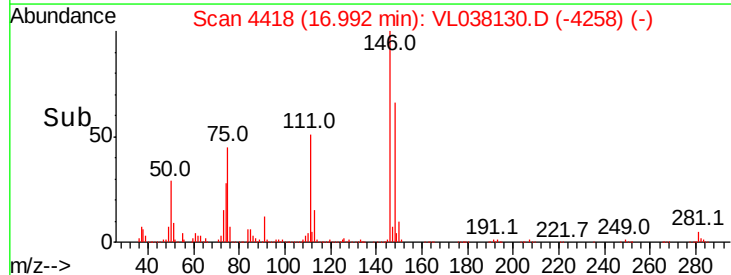
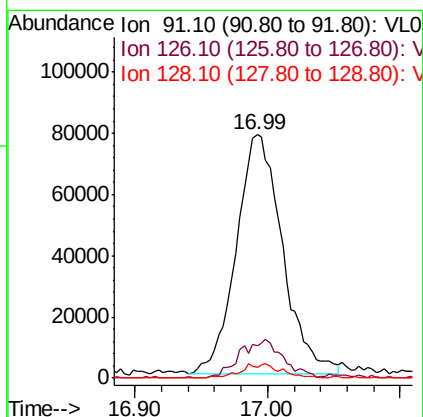
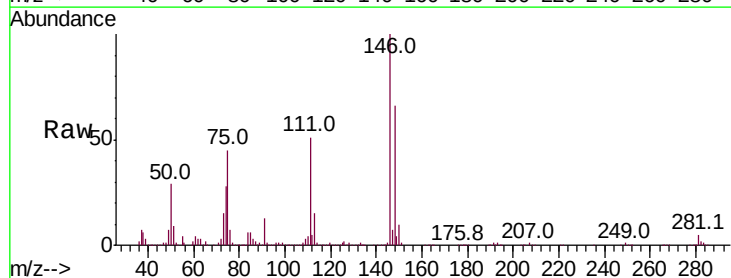
#65
 tert-Butylbenzene
 Concen: 8.126 ppbv
 RT: 16.75
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1129ABS01
 Acq: 29 Nov 2021 11:47

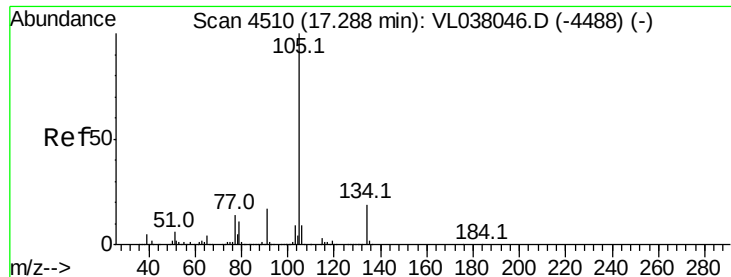
Tot Ion: 119 Resp: 3601960
 Ion Ratio Lower Upper
 119 100
 91 82.1 63.2 94.8
 134 20.0 16.1 24.1



#66
 Benzyl Chloride
 Concen: 8.435 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion: 91 Resp: 189489
 Ion Ratio Lower Upper
 91 100
 126 16.3 15.5 23.3
 128 5.4 5.6 8.4#





#67

sec-Butylbenzene

Concen: 8.202 ppbv

RT: 17.30

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

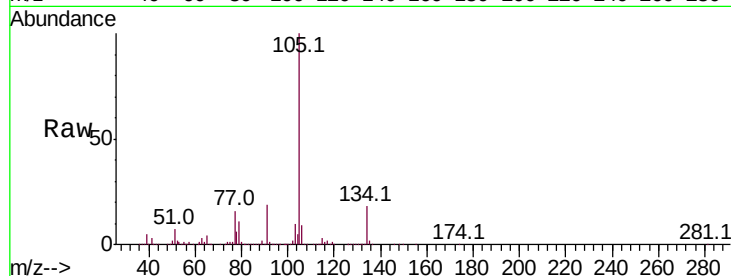
Acq: 29 Nov 2021 11:47

Tot Ion: 105 Resp: 5066053

Ion Ratio Lower Upper

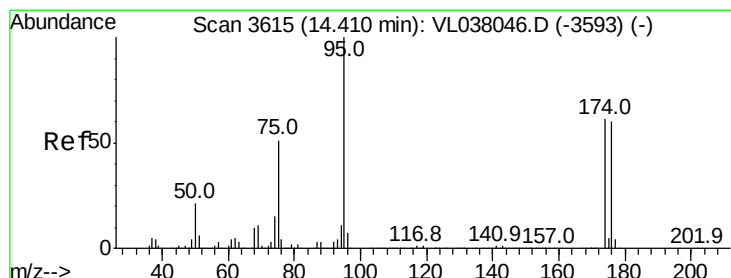
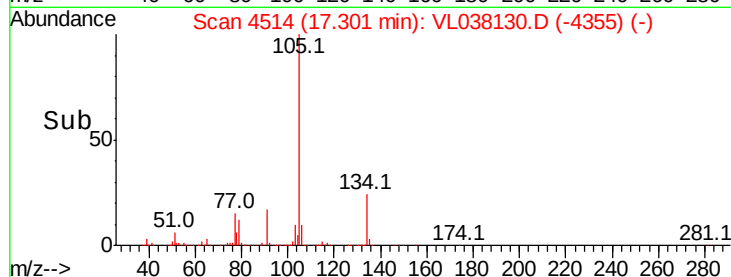
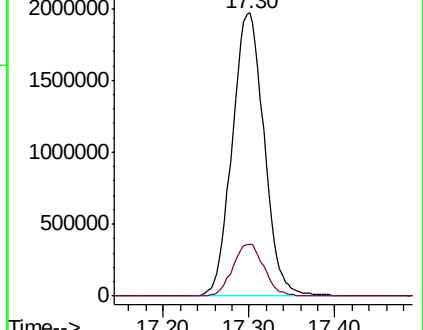
105 100

134 18.1 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.943 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.01 min

Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

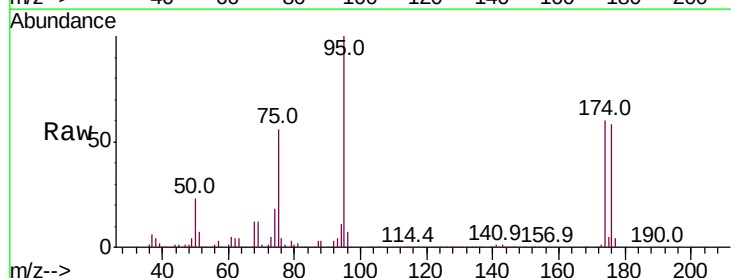
Tgt Ion: 95 Resp: 2167704

Ion Ratio Lower Upper

95 100

174 61.2 53.1 79.7

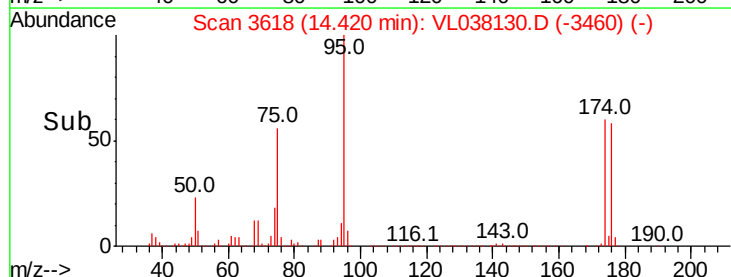
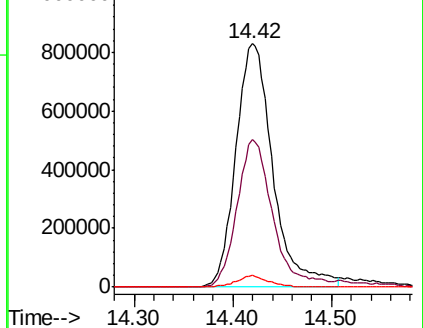
175 4.2 4.0 6.0

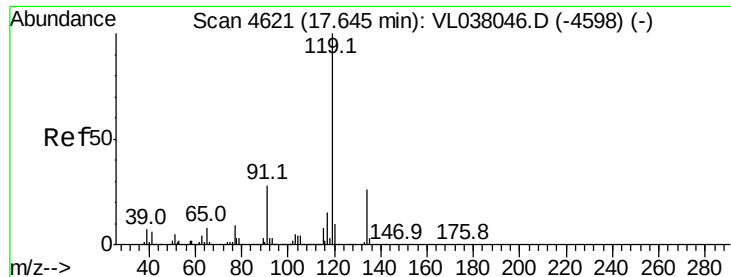


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

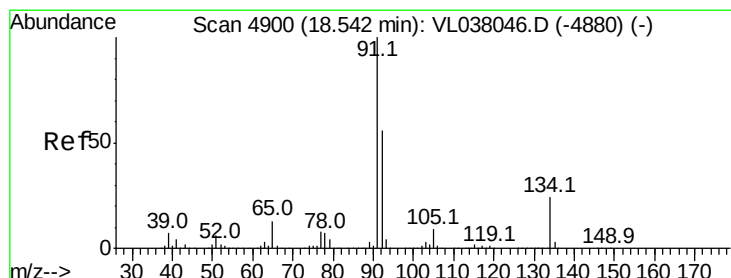
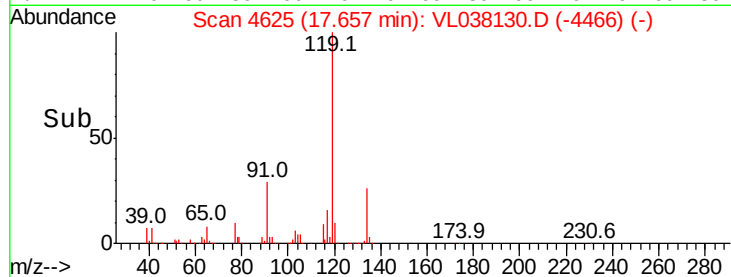
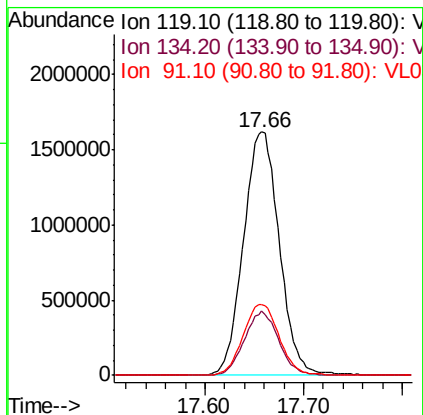
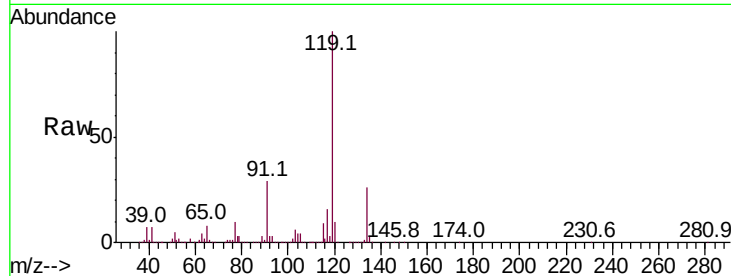




#69
 p-Isopropyltoluene
 Concen: 8.396 ppbv
 RT: 17.66
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1129ABS01
 Acq: 29 Nov 2021 11:47

Tot Ion:119 Resp: 4056504

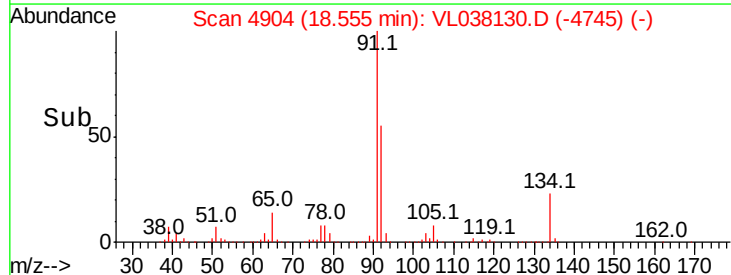
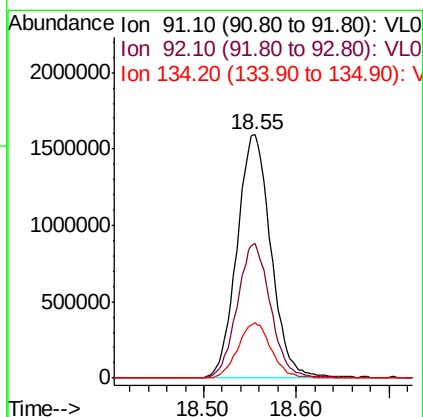
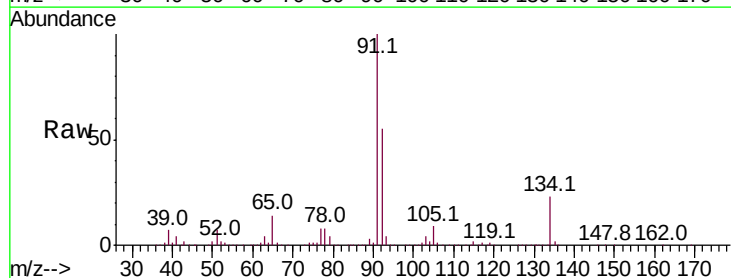
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.3	22.2	33.4

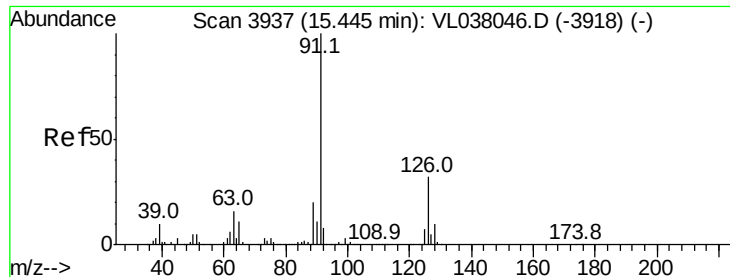


#70
 n-Butylbenzene
 Concen: 8.740 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion: 91 Resp: 4037790

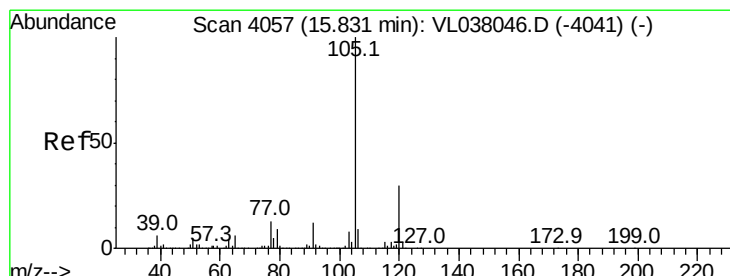
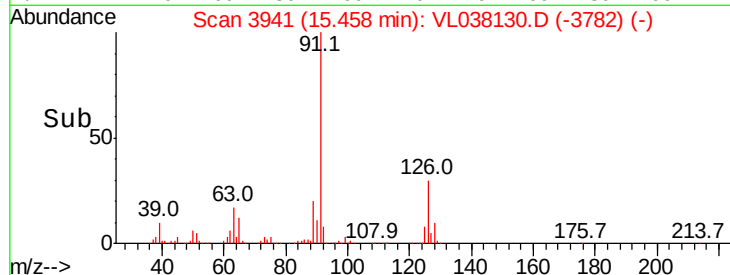
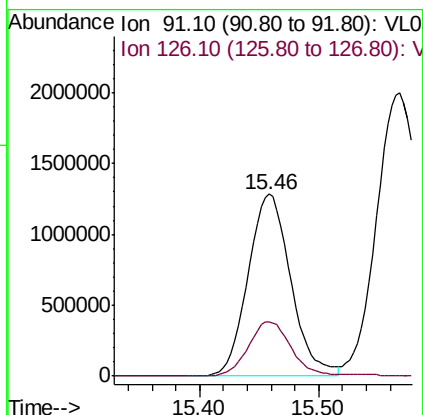
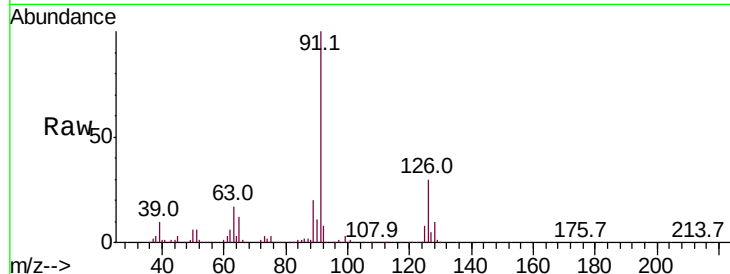
Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.1	66.1
134	22.4	18.9	28.3





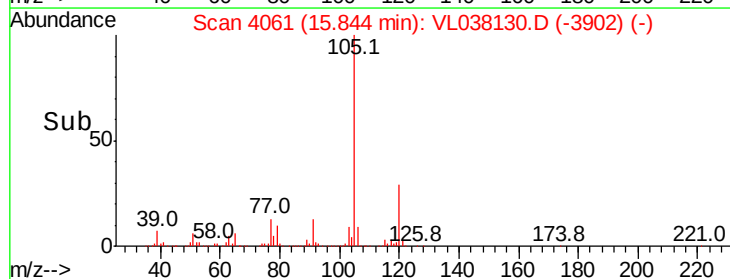
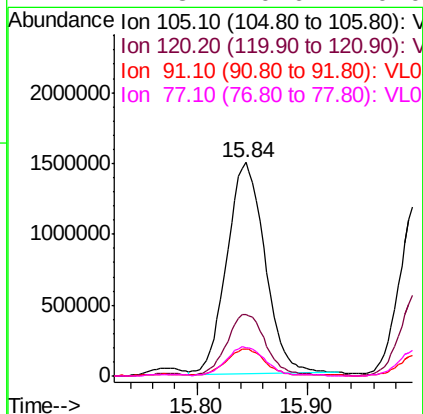
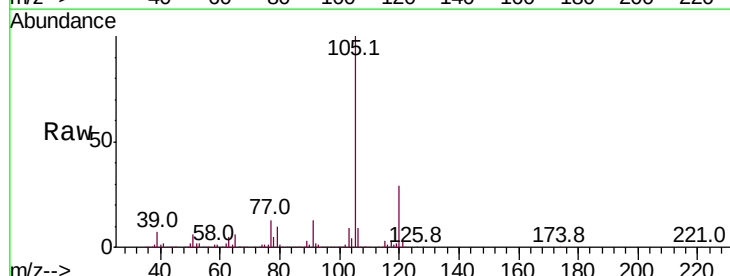
#71
 2-Chlorotoluene
 Concen: 8.682 ppbv
 RT: 15.46 min
 Delta R.T. 0.01 min
 Lab File: VL1129ABS01
 Acq: 29 Nov 2021 11:47

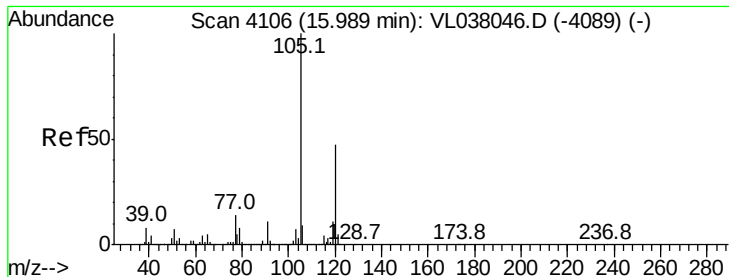
Tot Ion: 91 Resp: 3193618
 Ion Ratio Lower Upper
 91 100
 126 31.1 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.742 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

Tgt Ion: 105 Resp: 3592789
 Ion Ratio Lower Upper
 105 100
 120 30.3 25.1 37.7
 91 12.5 9.7 14.5
 77 14.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 8.524 ppbv

RT: 16.00

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

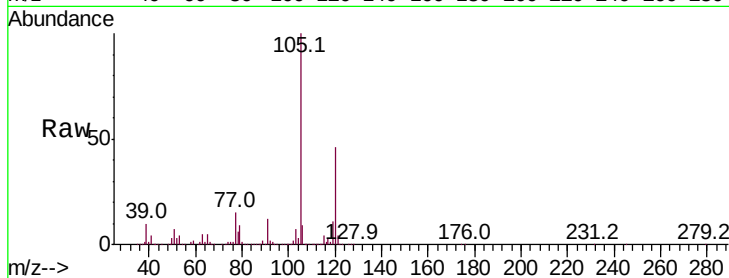
Acq: 29 Nov 2021 11:47

Tot Ion:105 Resp: 3199616

Ion Ratio Lower Upper

105 100

120 45.9 37.8 56.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

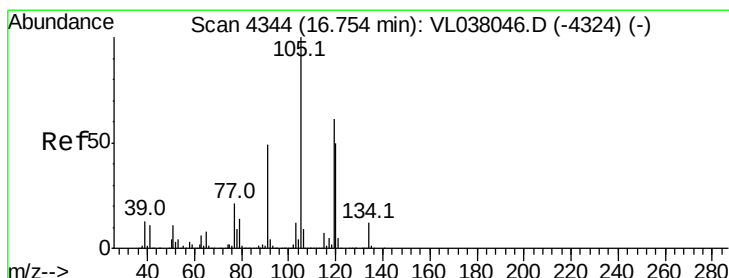
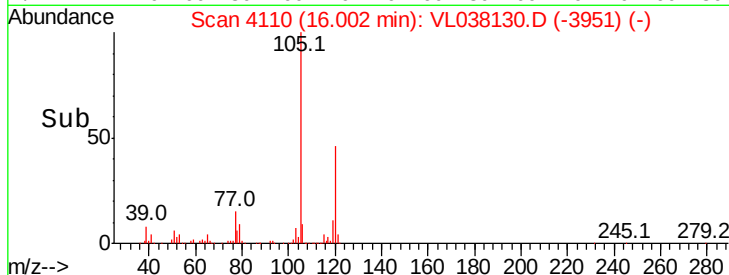
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.509 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.02 min

Lab File: VL038130.D

Acq: 29 Nov 2021 11:47

Tgt Ion:105 Resp: 3291218

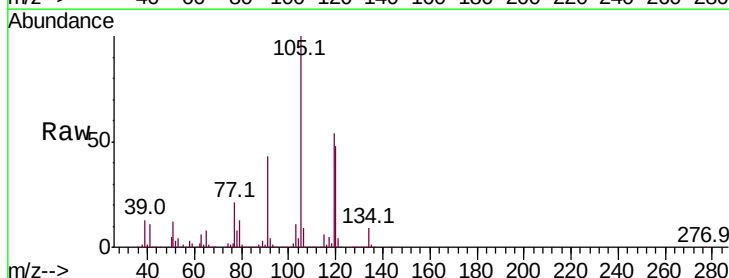
Ion Ratio Lower Upper

105 100

120 47.4 40.1 60.1

91 43.3 39.8 59.8

77 20.4 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

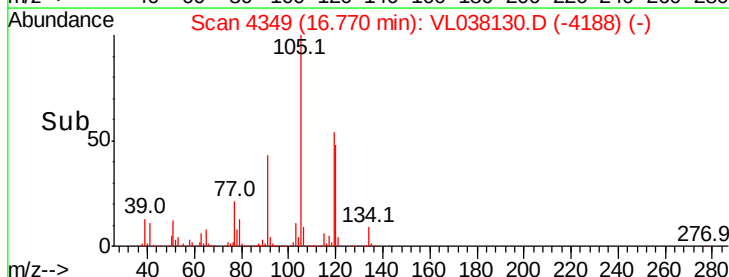
1500000

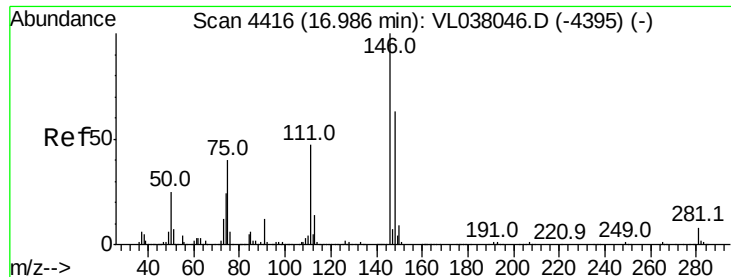
1000000

500000

0

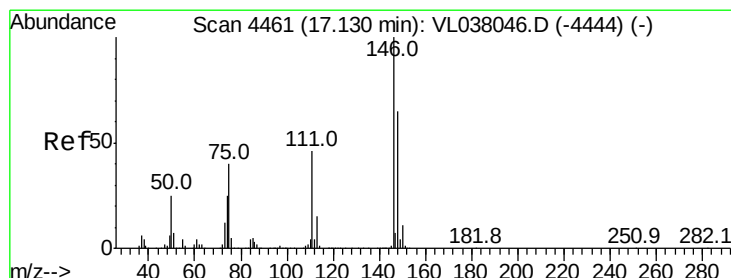
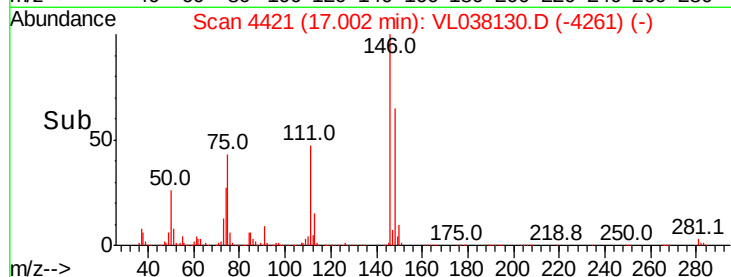
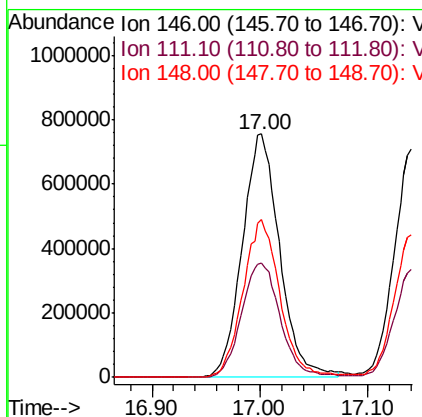
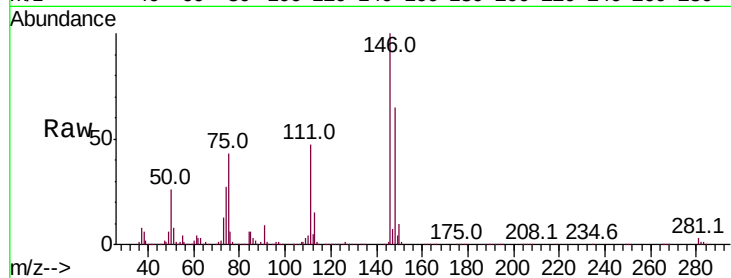
Time-->





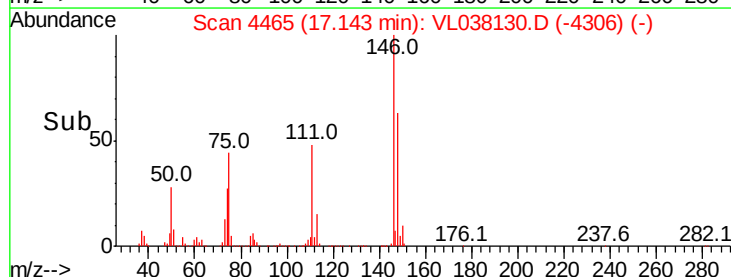
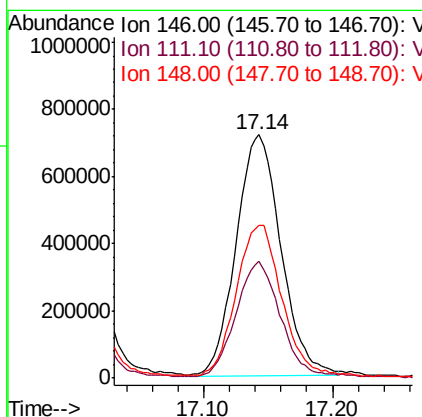
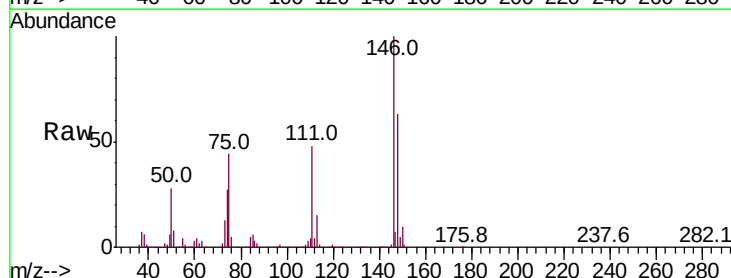
#75
 1,3-Dichlorobenzene
 Concen: 8.541 ppbv
 RT: 17.00
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: VL1129ABS01
 Acq: 29 Nov 2021 11:47

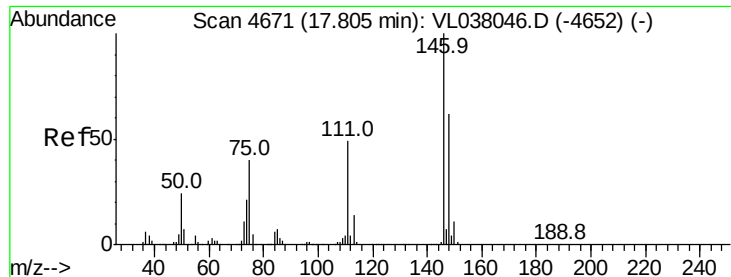
Tot Ion:146 Resp: 1814409
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.5 70.6
 148 64.7 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 8.132 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

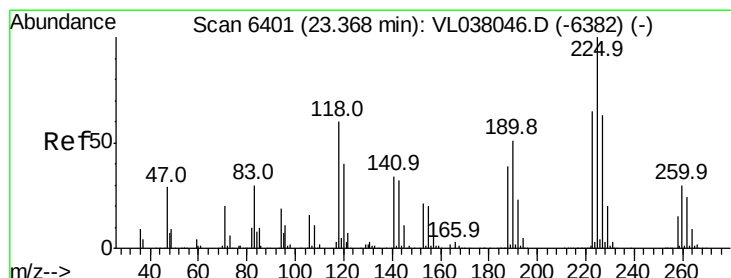
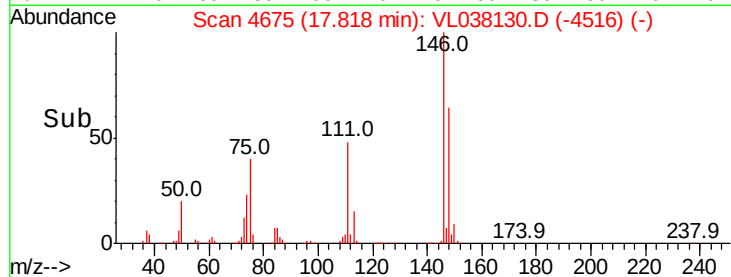
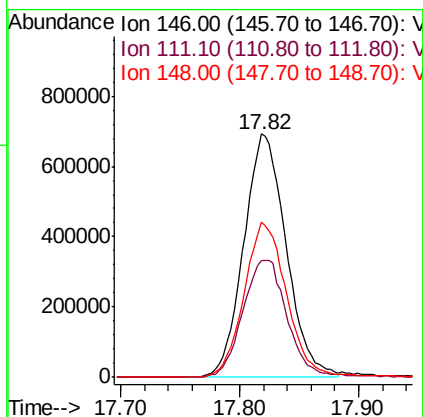
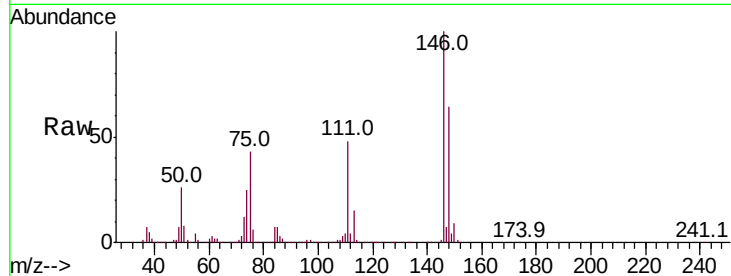
Tgt Ion:146 Resp: 1738424
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.8 71.5
 148 66.0 33.2 99.6





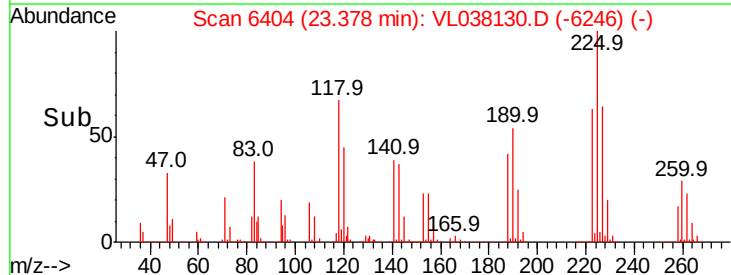
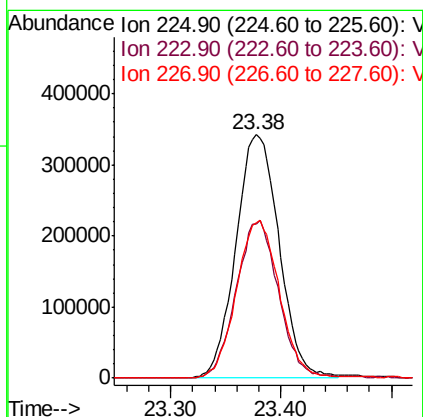
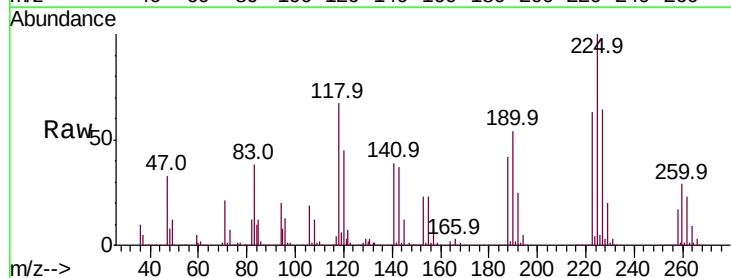
#77
 1,2-Dichlorobenzene
 Concen: 8.264 ppbv
 RT: 17.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1129ABS01
 Acq: 29 Nov 2021 11:47

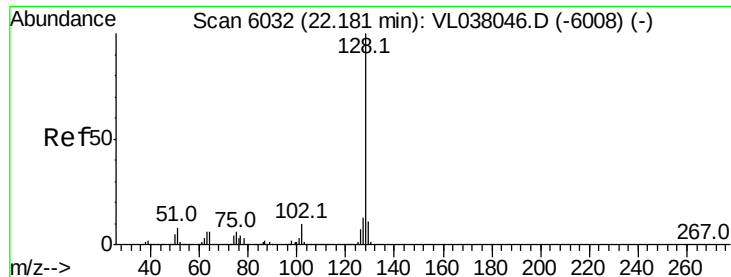
Tot Ion:146 Resp: 1699866
 Ion Ratio Lower Upper
 146 100
 111 50.8 24.8 74.4
 148 64.6 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.207 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. 0.01 min
 Lab File: VL038130.D
 Acq: 29 Nov 2021 11:47

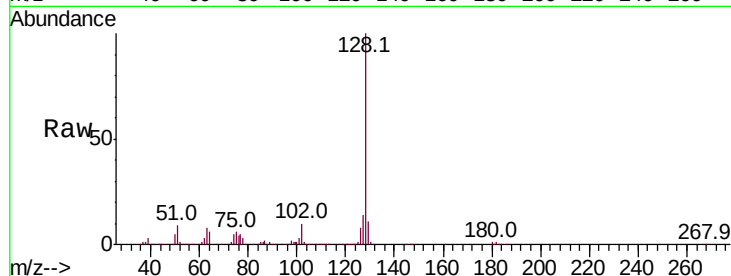
Tgt Ion:225 Resp: 925597
 Ion Ratio Lower Upper
 225 100
 223 64.6 52.3 78.5
 227 65.4 52.4 78.6



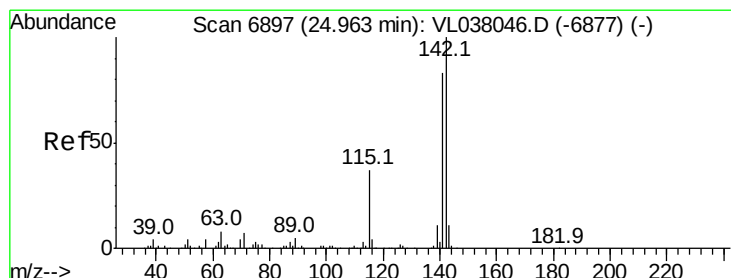
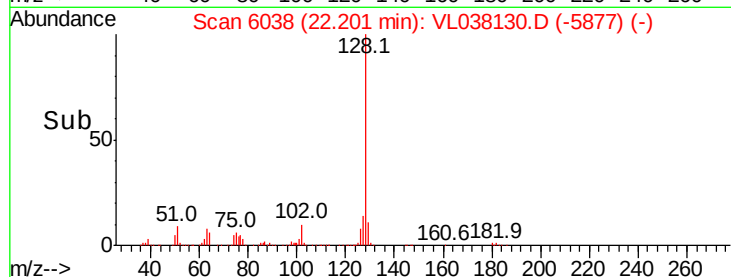
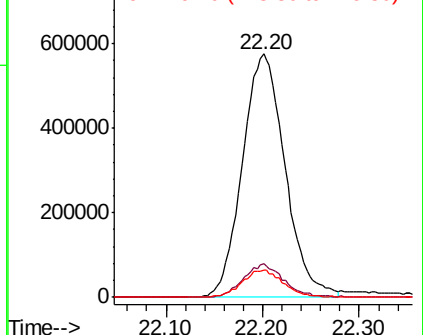


#79
Naphthalene
Concen: 8.679 ppbv
RT: 22.20 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Nov 2021 11:47

Tot Ion:	128	Resp:	1767930
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.1	8.9	13.3

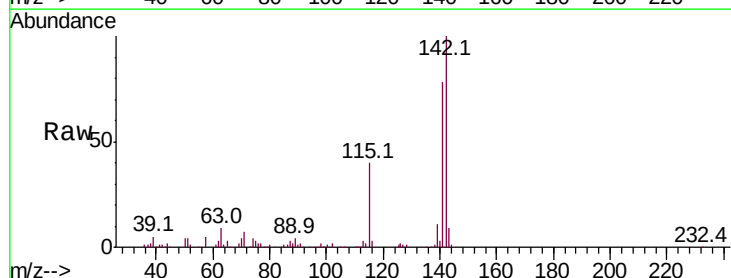


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

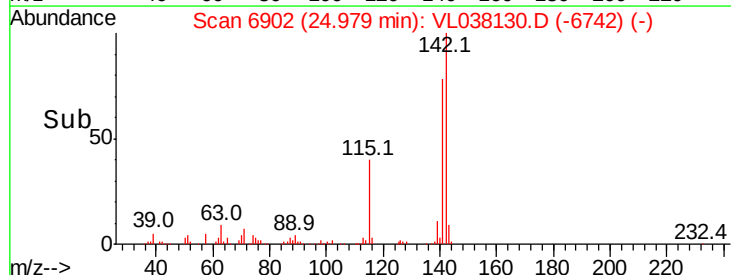
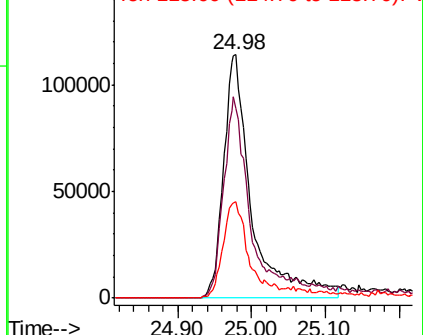


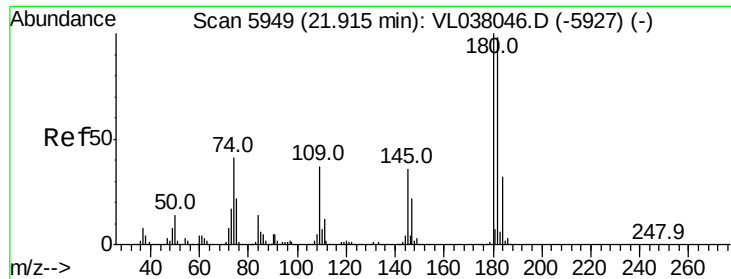
#80
Naphthalene, 2-methyl-
Concen: 6.988 ppbv
RT: 24.98 min Scan# 6902
Delta R.T.: 0.02 min
Lab File: VL038130.D
Acq: 29 Nov 2021 11:47

Tgt Ion:	142	Resp:	305058
Ion	Ratio	Lower	Upper
142	100		
141	81.2	67.3	100.9
115	41.3	28.9	43.3



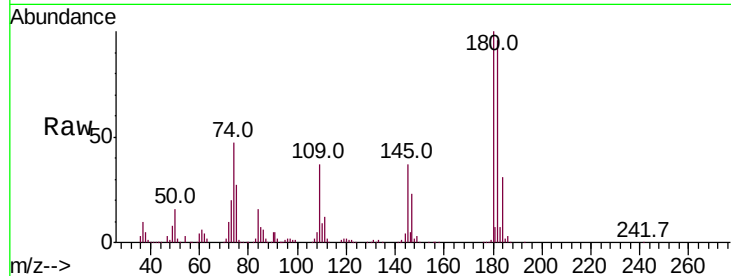
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.229 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL1129ABS01
 Acq: 29 Nov 2021 11:47

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.4	116.2
184	31.9	25.0	37.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

