

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038007.D
 Acq On : 10 Nov 2021 12:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 03:42:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1502374	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4433864	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4880434	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2909958	8.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1835206	8.670	ppbv	95
3) Chlorodifluoromethane	2.99	51	2546874	9.106	ppbv	100
4) Chloromethane	3.14	50	940843	8.851	ppbv	98
5) Vinyl Chloride	3.25	62	916529	8.947	ppbv	100
6) Bromomethane	3.47	94	492753	8.904	ppbv	100
7) Chloroethane	3.56	64	321395	8.691	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2073689	8.505	ppbv	99
9) Propene	3.00	41	973599	9.709	ppbv	94
10) Heptane	8.11	43	2309114	9.898	ppbv	100
11) Trichlorofluoromethane	3.95	101	1830765	8.686	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1448933	8.818	ppbv	99
13) Ethanol	3.62	45	15656	1.548	ppbv #	1
14) Bromoethene	3.74	108	627967	8.737	ppbv	99
15) Acetone	3.84	43	1055720	8.504	ppbv	99
16) 1,3-Butadiene	3.32	39	869839	8.892	ppbv	96
17) tert-Butyl alcohol	4.28	59	1374176	10.646	ppbv	100
18) 1,1-Dichloroethene	4.29	96	658773	8.711	ppbv	94
19) Isopropyl Alcohol	3.96	45	779016	9.813	ppbv #	91
20) Methylene Chloride	4.34	84	566094	8.306	ppbv	96
21) Allyl Chloride	4.41	41	1139138	9.945	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	709347	9.440	ppbv	92
23) Vinyl Acetate	5.07	43	1806121	9.662	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1357574	8.791	ppbv	100
25) Ethyl Acetate	5.67	43	3617038	9.809	ppbv	99
26) Hexane	5.68	57	1650674	9.448	ppbv	98
27) Carbon Disulfide	4.55	76	1723470	9.993	ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	1465939	9.981	ppbv	100
29) Chloroform	5.74	83	2294865	8.808	ppbv	97
30) Cyclohexane	7.12	84	1412659	9.459	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1563198	9.807	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2226085	8.693	ppbv	99
34) 2-Butanone	5.24	43	1170678	7.125	ppbv	97
35) Carbon Tetrachloride	7.01	117	2317031	8.644	ppbv	99
36) Benzene	6.88	78	3496498	9.683	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1666481	9.708	ppbv	98
38) Trichloroethene	7.83	130	1339241	8.936	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1330373	9.792	ppbv	98
40) 1,4-Dioxane	7.83	88	128673	3.596	ppbv #	1
41) Tetrahydrofuran	6.04	42	822699	10.234	ppbv	98
42) Bromodichloromethane	7.79	83	2450800	9.443	ppbv	97
43) Methyl Methacrylate	8.01	69	1262720	10.654	ppbv	98

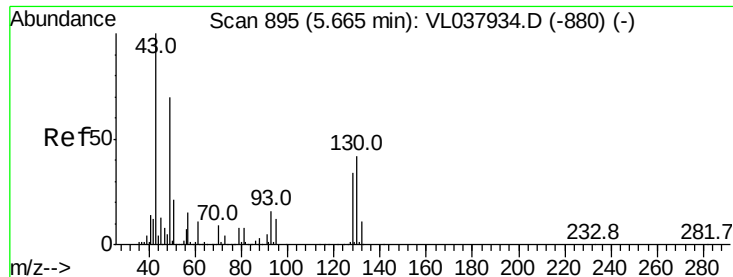
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038007.D
 Acq On : 10 Nov 2021 12:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 03:42:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

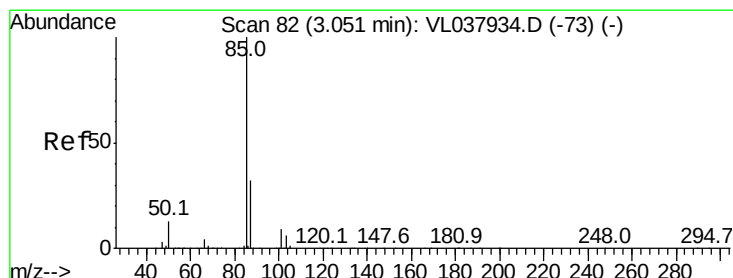
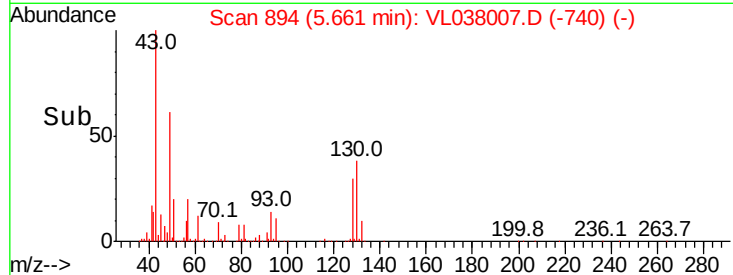
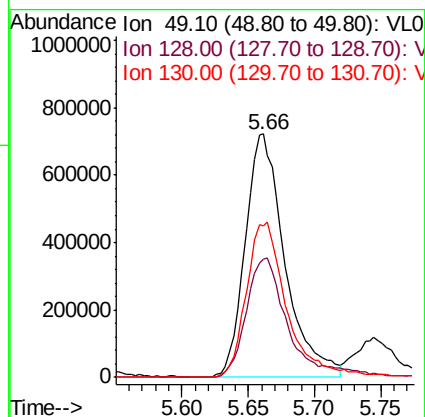
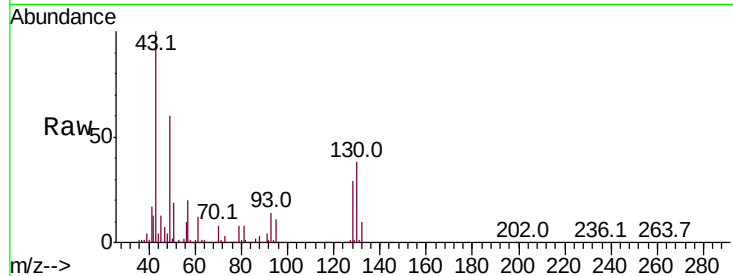
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5853377	9.531	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1049334	12.050	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1359050	11.351	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1363497	8.932	ppbv	98
48) Dibromochloromethane	10.30	129	2157230	9.981	ppbv	97
49) Bromoform	13.03	173	1621838	9.493	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2198103	10.183	ppbv	99
51) 2-Hexanone	10.12	43	969635	10.658	ppbv #	98
52) Tetrachloroethene	11.21	164	1232630	8.999	ppbv	97
53) Toluene	9.80	91	3954452	10.216	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1901947	9.661	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1422040	7.217	ppbv	97
57) Chlorobenzene	12.14	112	2772773	7.118	ppbv	99
58) Ethyl Benzene	12.70	91	4844592	8.117	ppbv	98
59) m/p-Xylene	12.99	91	4025525	7.588	ppbv #	29
60) o-Xylene	13.68	91	3782906	7.563	ppbv	99
61) Styrene	13.52	104	2041330	8.887	ppbv	98
62) Isopropylbenzene	14.66	105	4995923	7.054	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2564151	5.956	ppbv	98
64) n-propylbenzene	15.55	120	1300364	7.166	ppbv	87
65) tert-Butylbenzene	16.73	119	4331952	6.922	ppbv	100
66) Benzyl Chloride	16.97	91	265672	8.124	ppbv #	95
67) sec-Butylbenzene	17.28	105	5967257	6.920	ppbv	99
69) p-Isopropyltoluene	17.64	119	4948884	7.155	ppbv	100
70) n-Butylbenzene	18.54	91	4818454	7.581	ppbv	99
71) 2-Chlorotoluene	15.44	91	3560143	7.175	ppbv	98
72) 4-Ethyltoluene	15.83	105	4369935	7.627	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3734342	6.960	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3946491	7.020	ppbv #	93
75) 1,3-Dichlorobenzene	16.99	146	2315153	6.615	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2292894	6.770	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2195092	6.679	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1851037	6.580	ppbv	99
79) Naphthalene	22.18	128	3264661	10.080	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	787401	12.489	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	1863173	8.838	ppbv	99

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



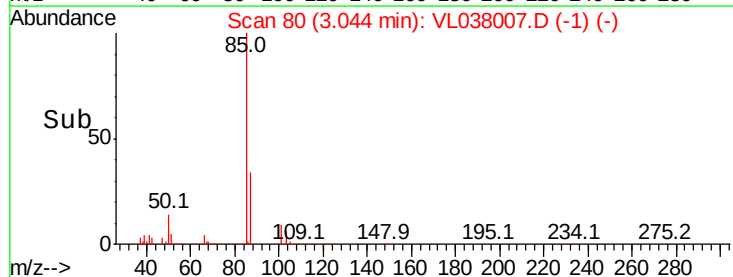
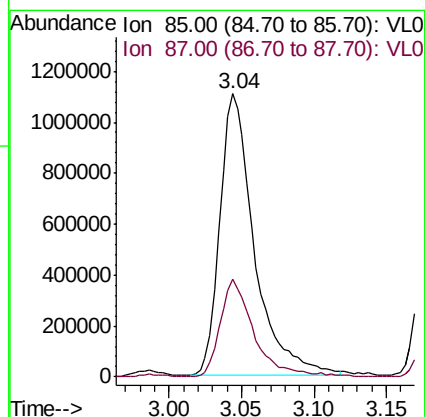
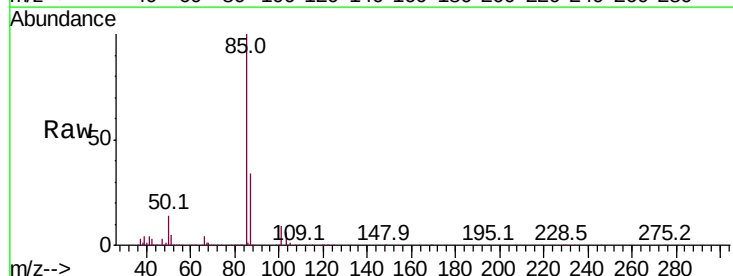
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 12:07

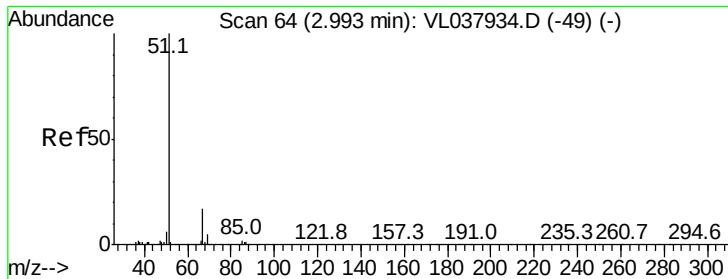
Tot Ion: 49 Resp: 1502374
 Ion Ratio Lower Upper
 49 100
 128 53.2 27.0 81.0
 130 66.6 33.4 100.2



#2
 Dichlorodifluoromethane
 Concen: 8.670 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. -0.01 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

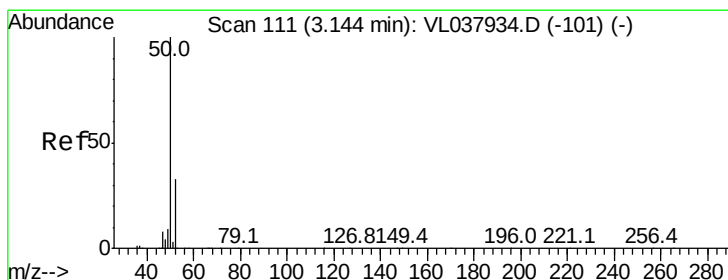
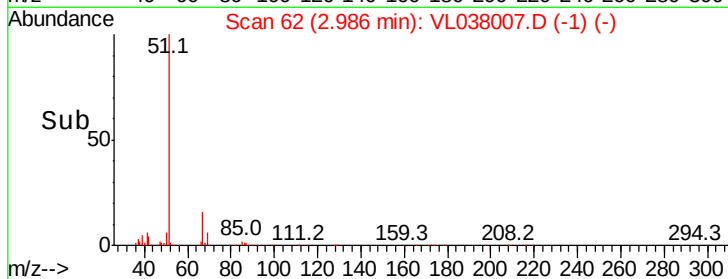
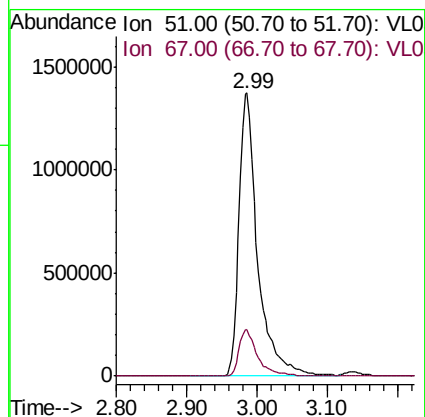
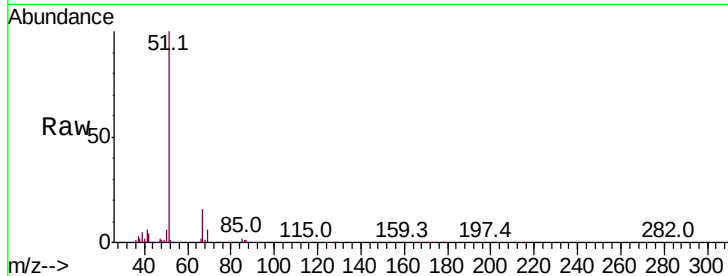
Tgt Ion: 85 Resp: 1835206
 Ion Ratio Lower Upper
 85 100
 87 34.3 25.3 37.9





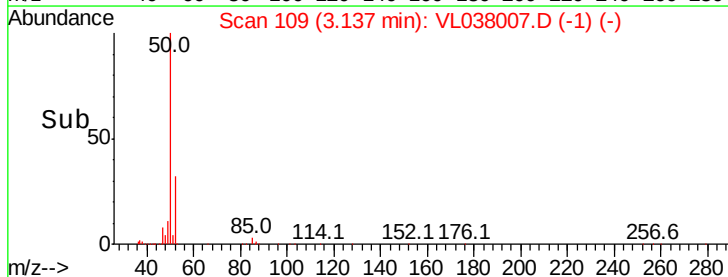
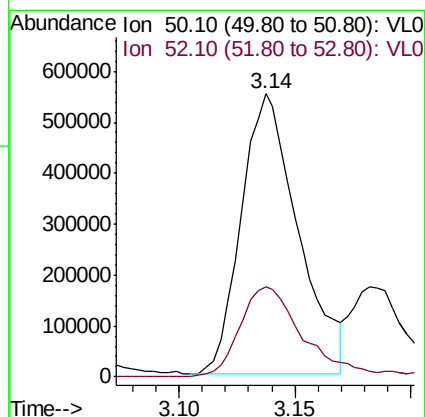
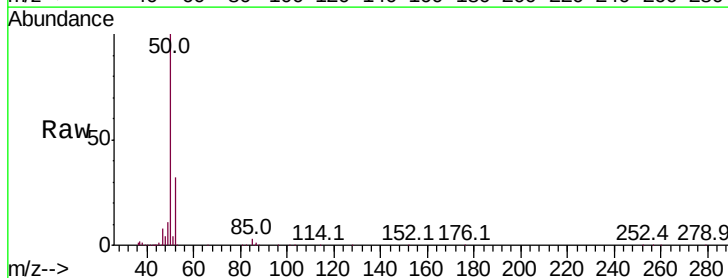
#3
 Chlorodifluoromethane
 Concen: 9.106 ppbv
 RT: 2.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 12:07

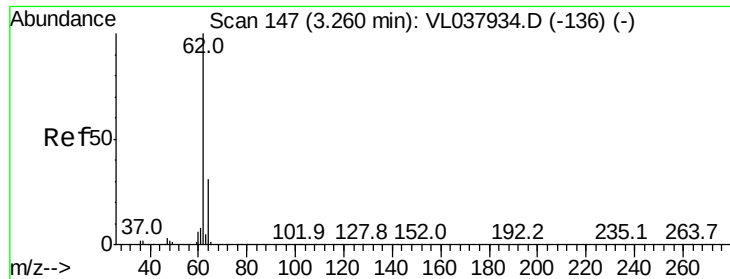
Tot Ion: 51 Resp: 2546874
 Ion Ratio Lower Upper
 51 100
 67 16.6 13.4 20.0



#4
 Chloromethane
 Concen: 8.851 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T.: -0.01 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

Tgt Ion: 50 Resp: 940843
 Ion Ratio Lower Upper
 50 100
 52 31.9 26.3 39.5





#5

Vinyl Chloride

Concen: 8.947 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

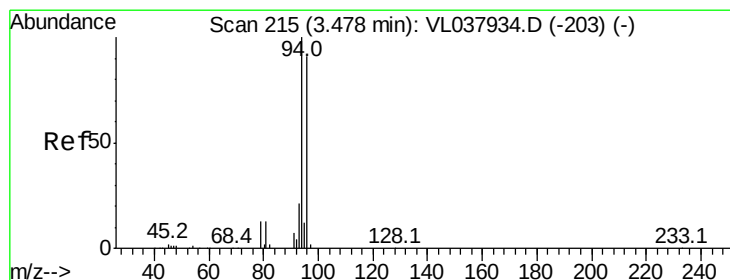
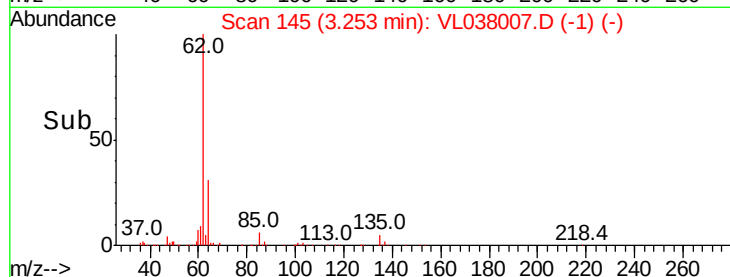
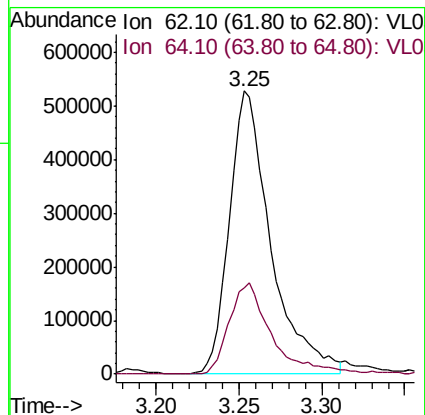
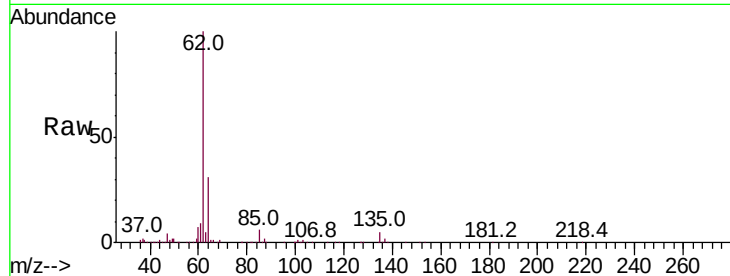
Acq: 10 Nov 2021 12:07

Tot Ion: 62 Resp: 916529

Ion Ratio Lower Upper

62 100

64 30.7 24.7 37.1



#6

Bromomethane

Concen: 8.904 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL038007.D

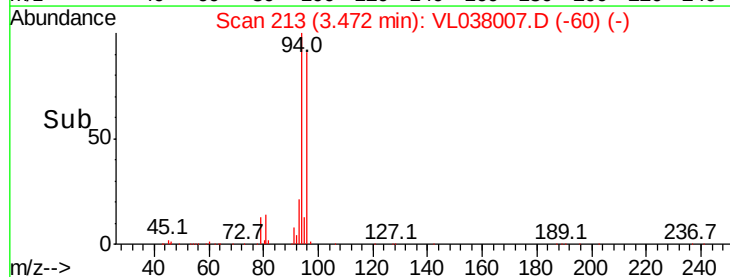
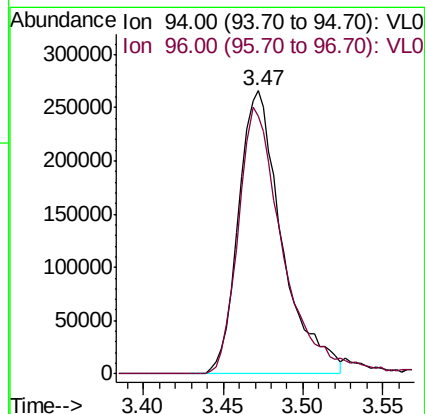
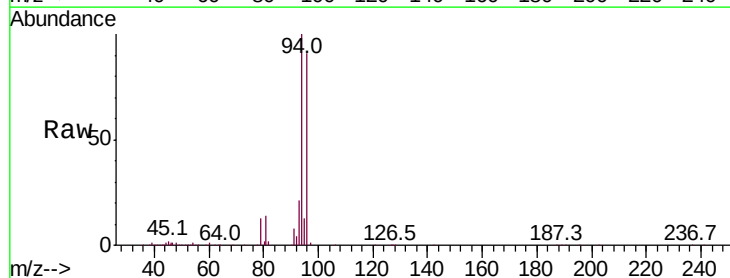
Acq: 10 Nov 2021 12:07

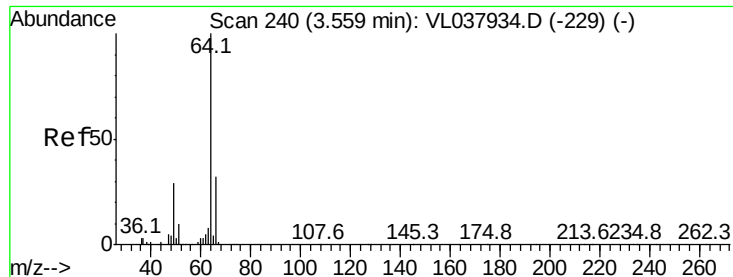
Tgt Ion: 94 Resp: 492753

Ion Ratio Lower Upper

94 100

96 91.2 73.0 109.4





#7

Chloroethane

Concen: 8.691 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

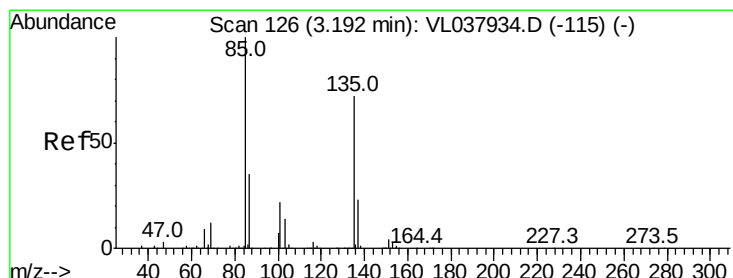
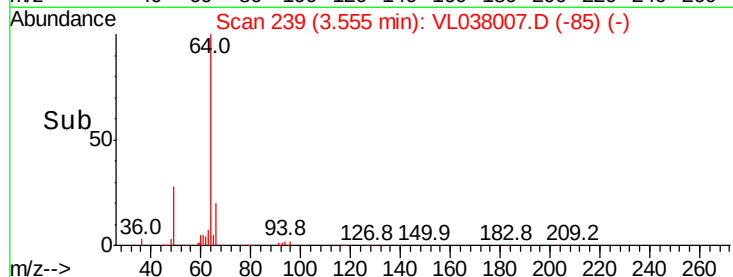
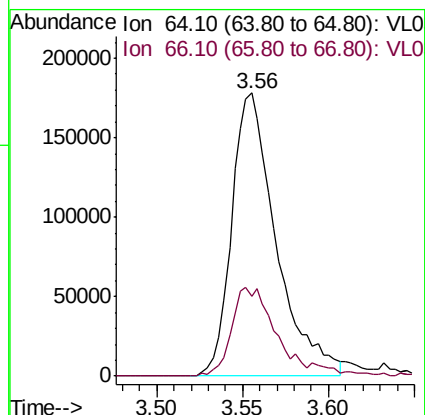
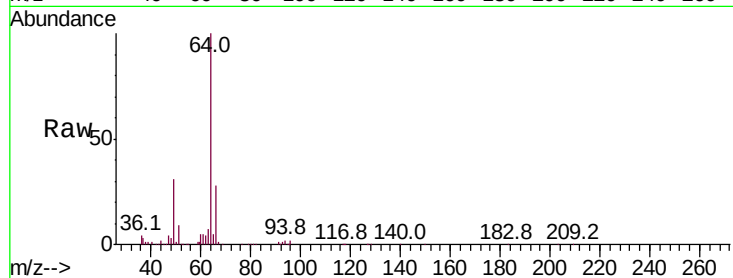
Acq: 10 Nov 2021 12:07

Tot Ion: 64 Resp: 321395

Ion Ratio Lower Upper

64 100

66 28.4 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 8.505 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL038007.D

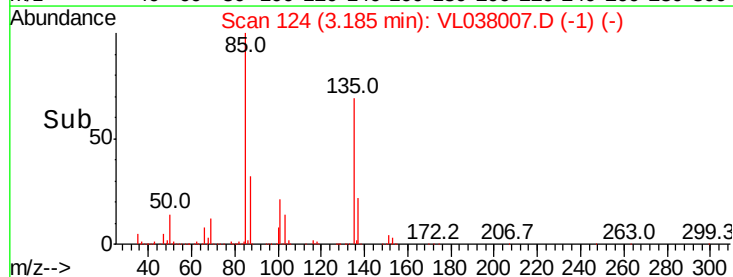
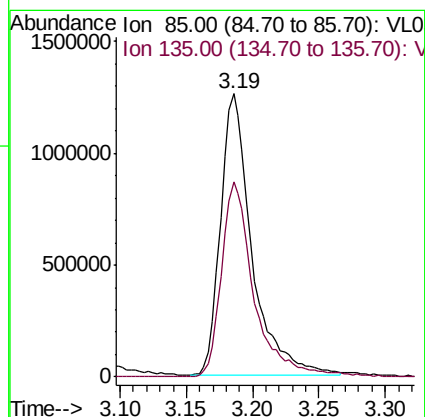
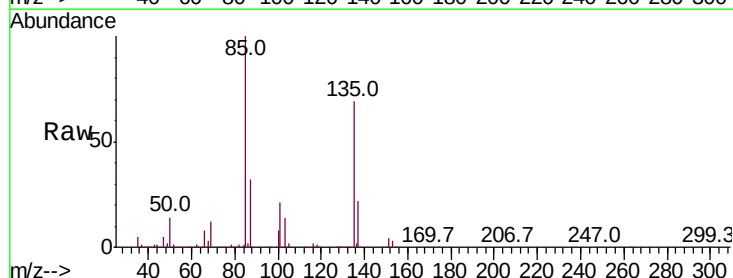
Acq: 10 Nov 2021 12:07

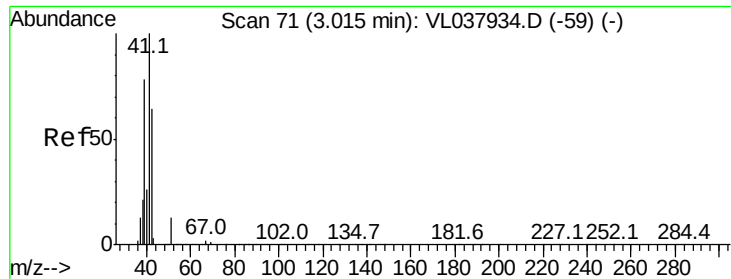
Tgt Ion: 85 Resp: 2073689

Ion Ratio Lower Upper

85 100

135 72.6 58.8 88.2





#9

Propene

Concen: 9.709 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

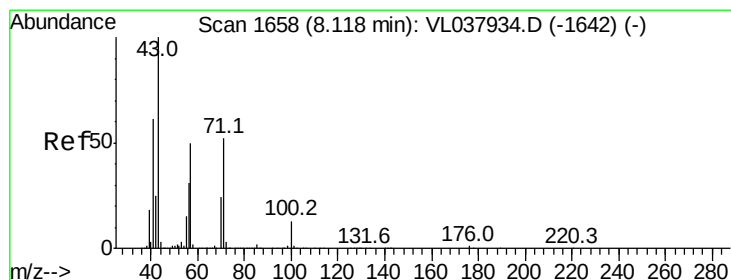
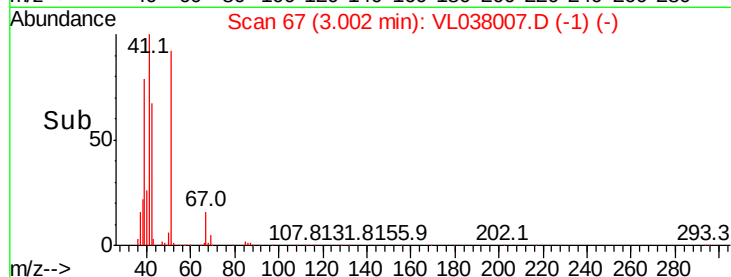
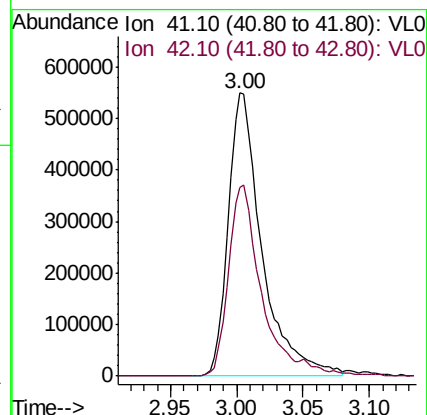
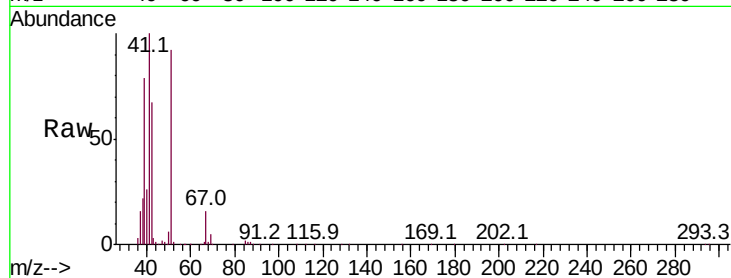
Acq: 10 Nov 2021 12:07

Tot Ion: 41 Resp: 973599

Ion Ratio Lower Upper

41 100

42 67.1 57.6 86.4



#10

Heptane

Concen: 9.898 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL038007.D

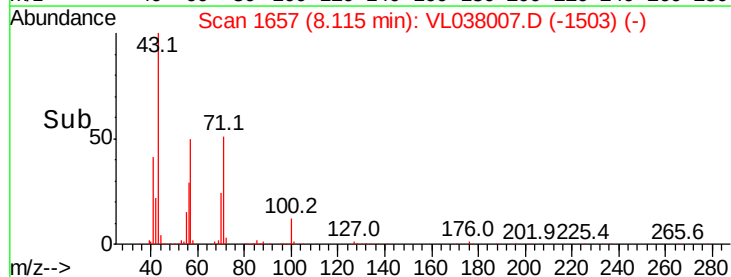
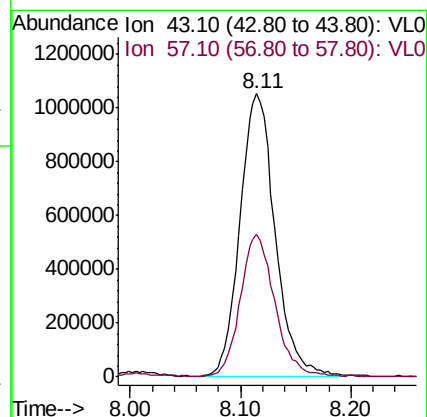
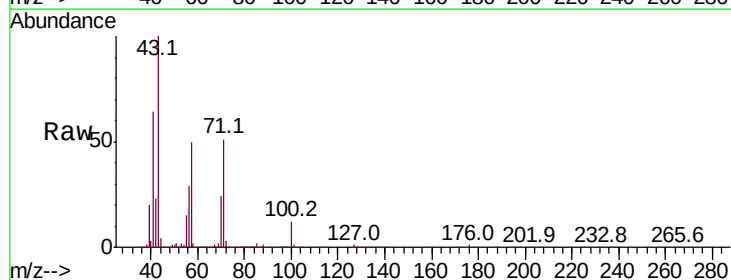
Acq: 10 Nov 2021 12:07

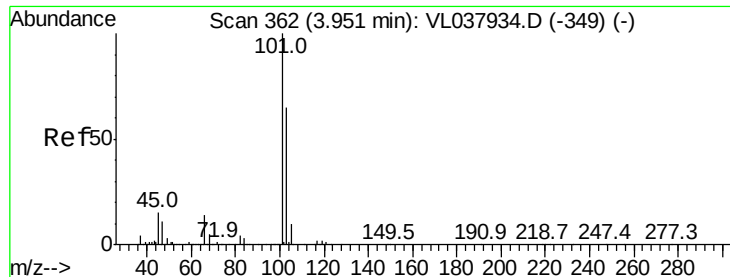
Tgt Ion: 43 Resp: 2309114

Ion Ratio Lower Upper

43 100

57 50.0 39.8 59.8





#11

Trichlorofluoromethane

Concen: 8.686 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

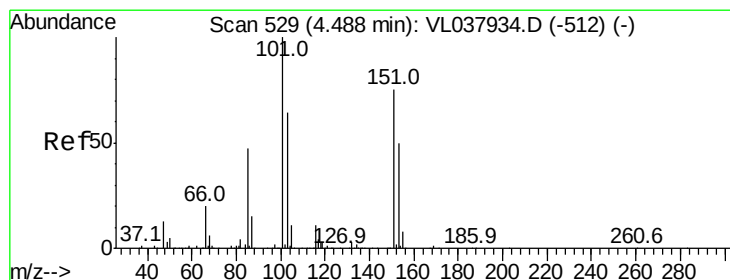
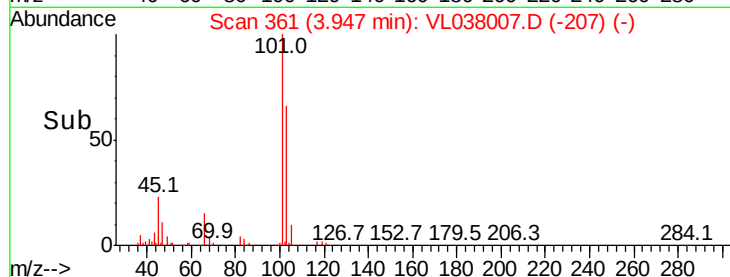
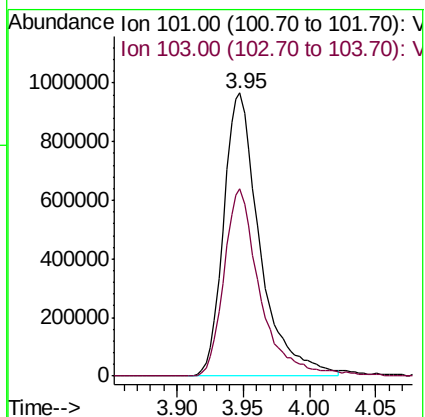
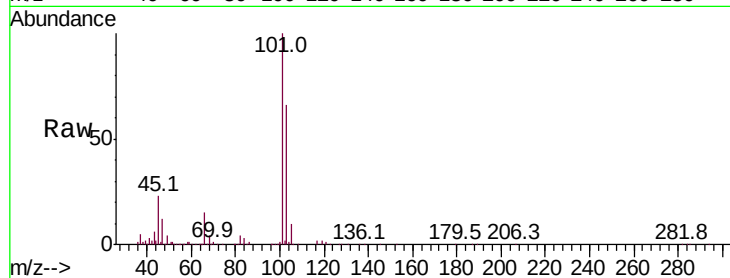
Acq: 10 Nov 2021 12:07

Tot Ion:101 Resp: 1830765

Ion Ratio Lower Upper

101 100

103 66.3 52.0 78.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.818 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.01 min

Lab File: VL038007.D

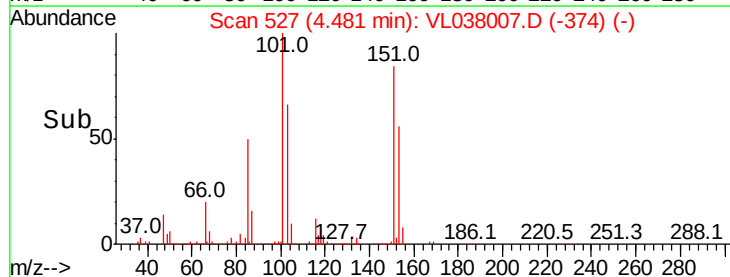
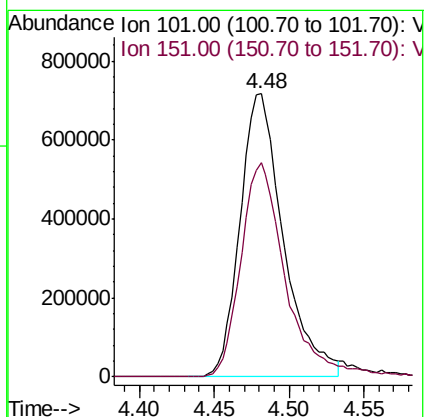
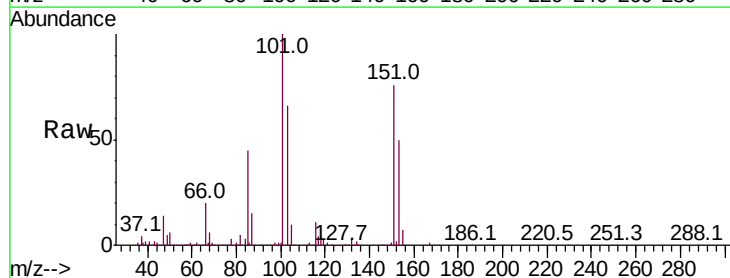
Acq: 10 Nov 2021 12:07

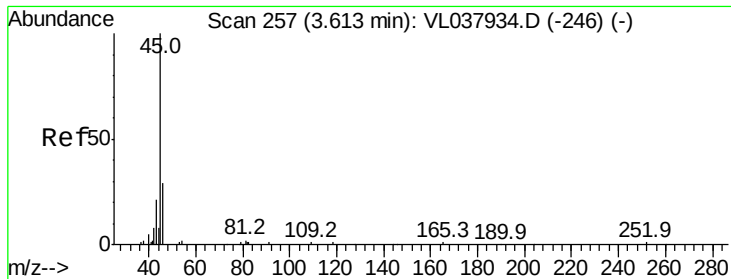
Tgt Ion:101 Resp: 1448933

Ion Ratio Lower Upper

101 100

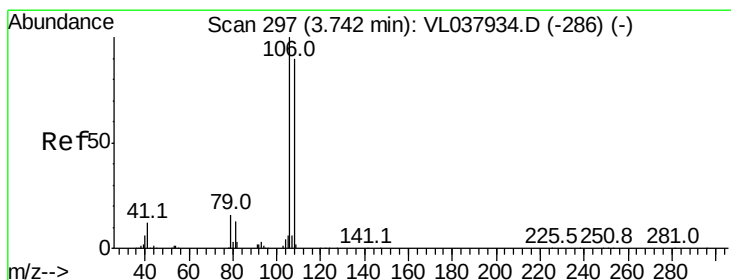
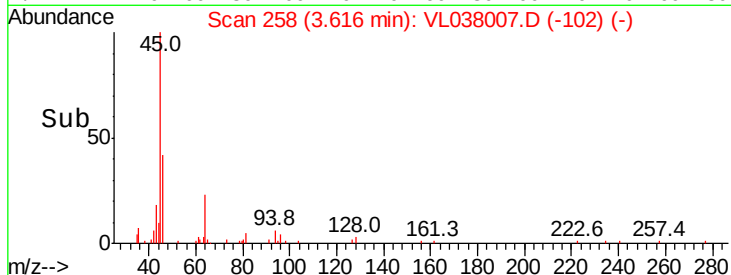
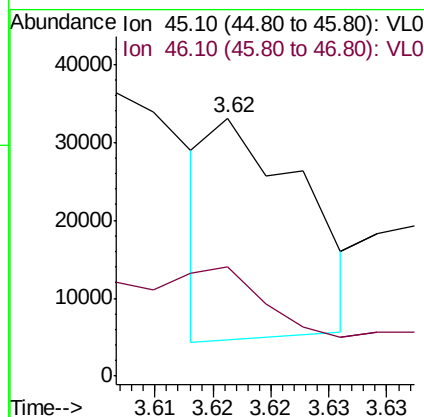
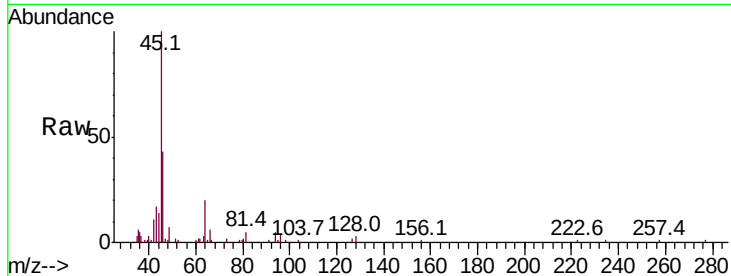
151 78.4 61.8 92.8





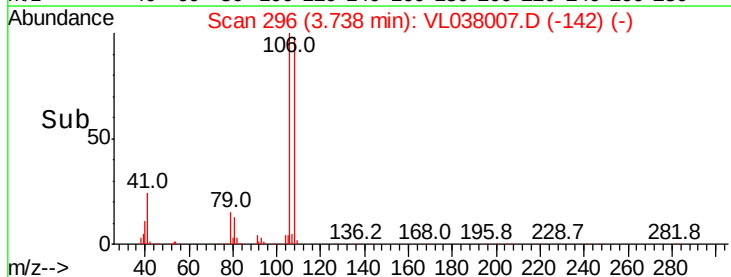
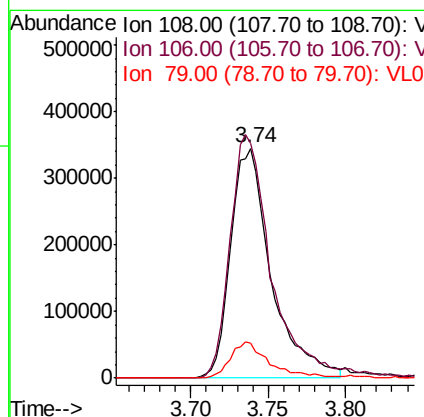
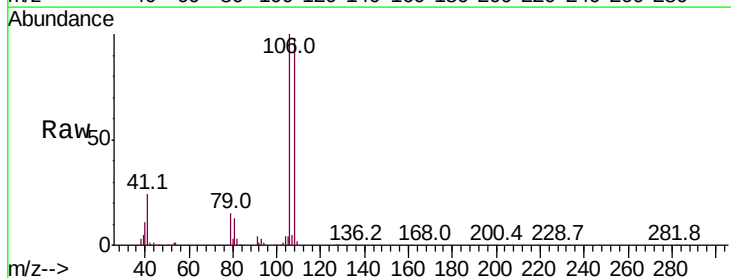
#13
 Ethanol
 Concen: 1.548 ppbv
 RT: 3.62
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 12:07

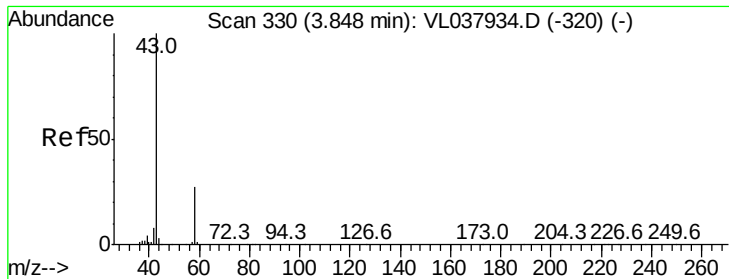
Tot Ion: 45 Resp: 15656
 Ion Ratio Lower Upper
 45 100
 46 230.2 17.4 69.8#



#14
 Bromoethene
 Concen: 8.737 ppbv
 RT: 3.74 min Scan# 296
 Delta R.T. -0.00 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

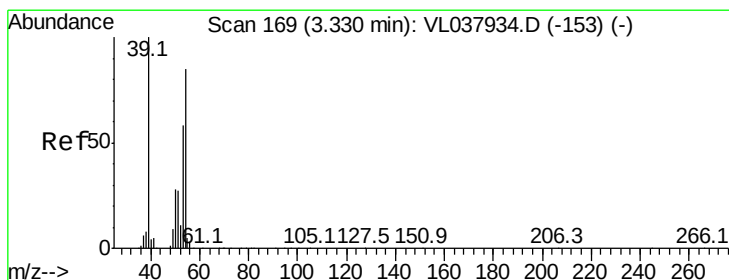
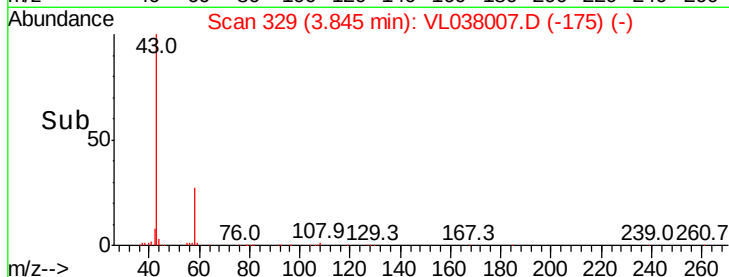
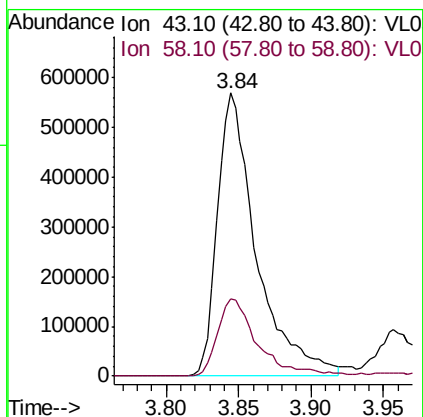
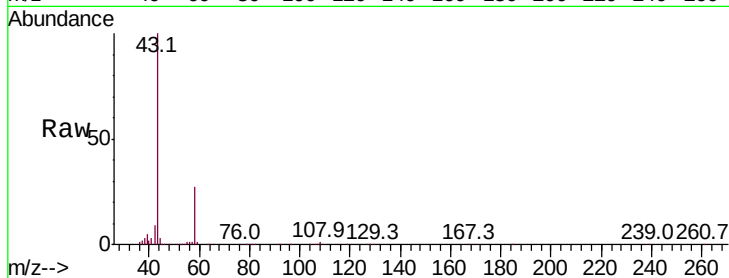
Tgt Ion: 108 Resp: 627967
 Ion Ratio Lower Upper
 108 100
 106 110.1 88.4 132.6
 79 16.2 12.4 18.6





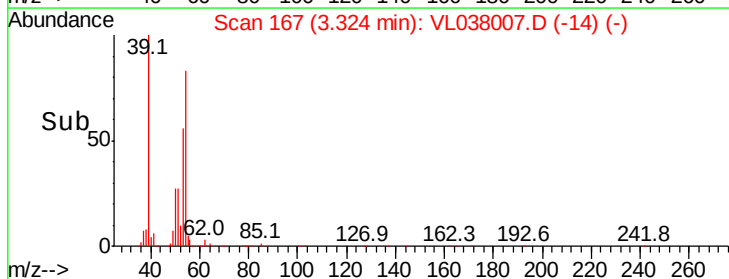
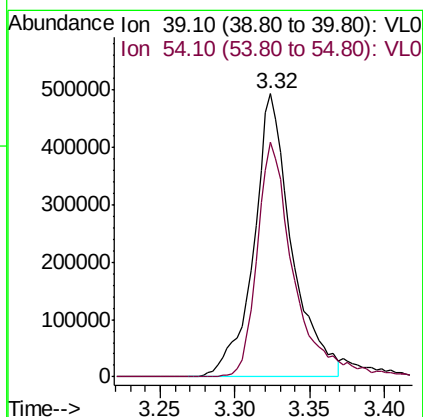
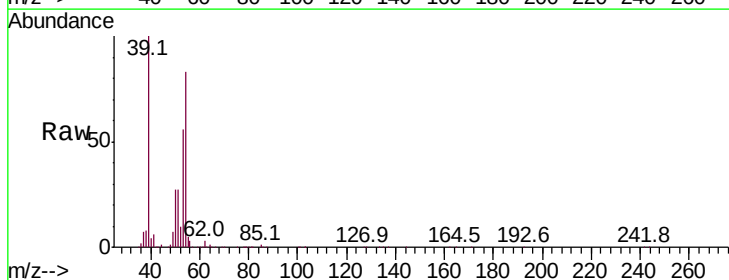
#15
Acetone
Concen: 8.504 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 Nov 2021 12:07

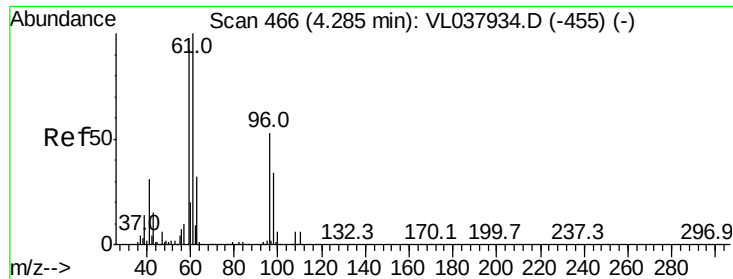
Tot Ion: 43 Resp: 1055720
Ion Ratio Lower Upper
43 100
58 28.3 23.3 34.9



#16
1,3-Butadiene
Concen: 8.892 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL038007.D
Acq: 10 Nov 2021 12:07

Tgt Ion: 39 Resp: 869839
Ion Ratio Lower Upper
39 100
54 81.5 62.6 93.8





#17

tert-Butyl alcohol

Concen: 10.646 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

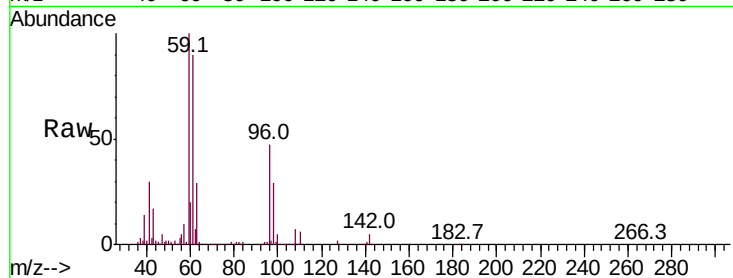
Acq: 10 Nov 2021 12:07

Tot Ion: 59 Resp: 1374176

Ion Ratio Lower Upper

59 100

57 11.2 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

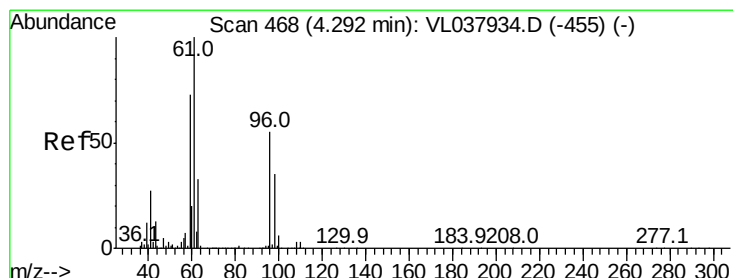
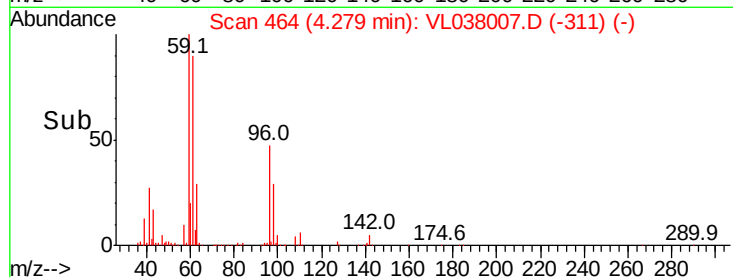
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 8.711 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

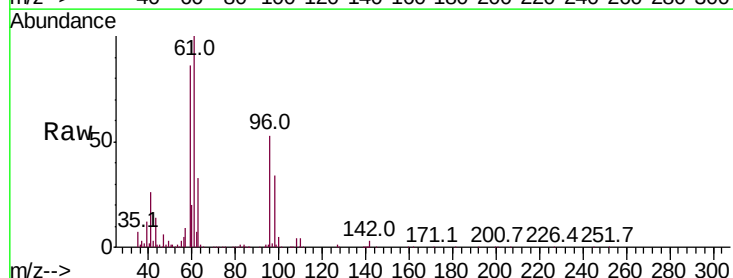
Tgt Ion: 96 Resp: 658773

Ion Ratio Lower Upper

96 100

61 190.0 144.3 216.5

98 65.4 50.5 75.7



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

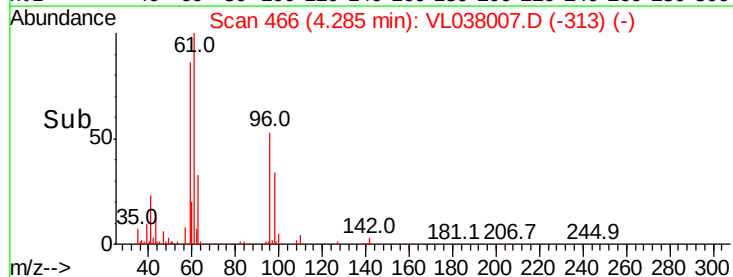
600000

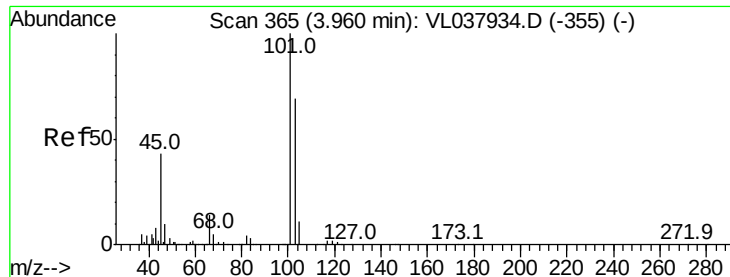
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 9.813 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

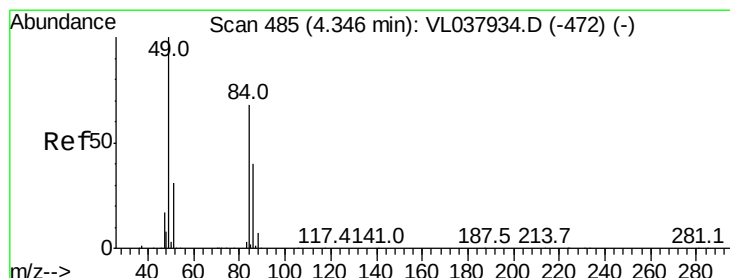
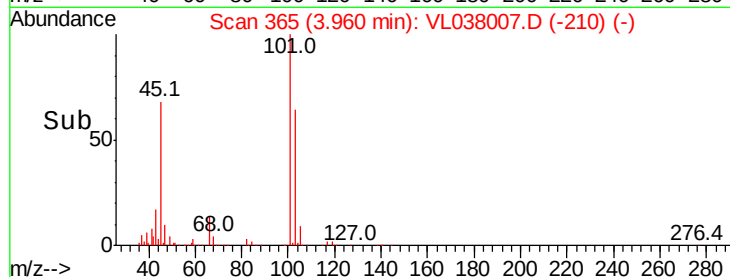
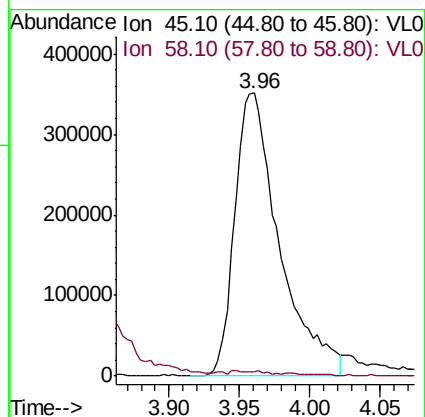
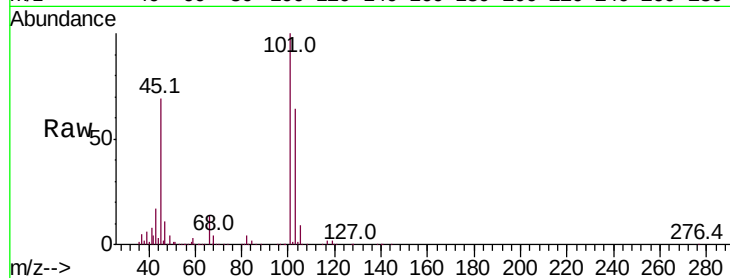
Acq: 10 Nov 2021 12:07

Tot Ion: 45 Resp: 779016

Ion Ratio Lower Upper

45 100

58 1.9 4.0 6.0#



#20

Methylene Chloride

Concen: 8.306 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

Tgt Ion: 84 Resp: 566094

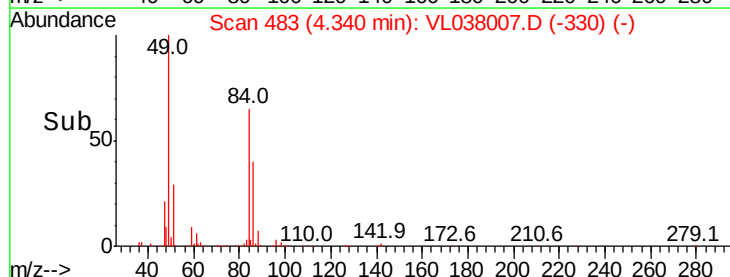
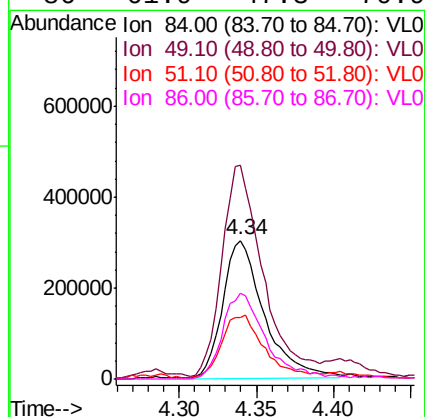
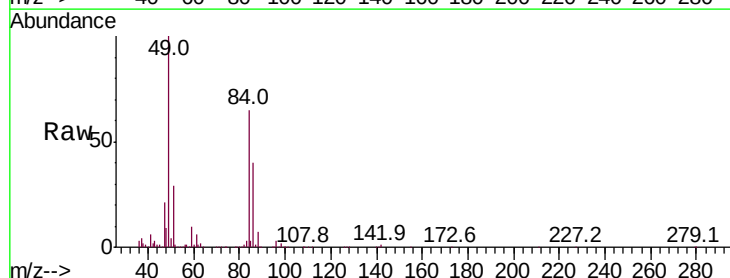
Ion Ratio Lower Upper

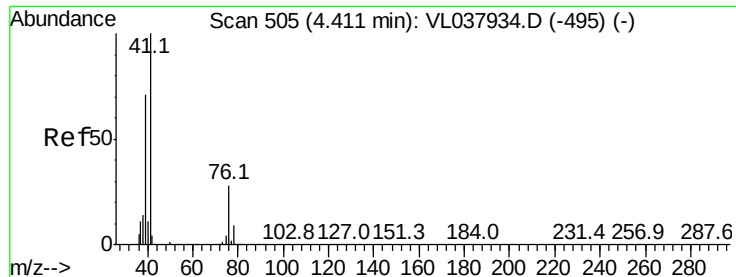
84 100

49 152.7 117.5 176.3

51 43.7 35.9 53.9

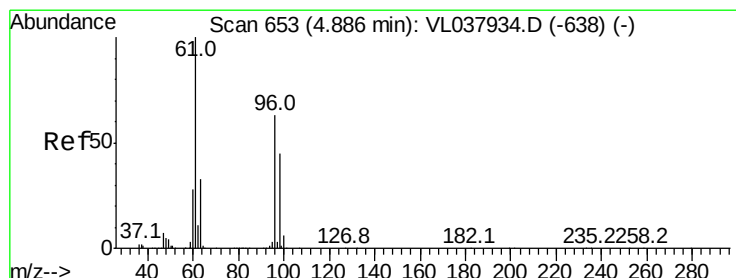
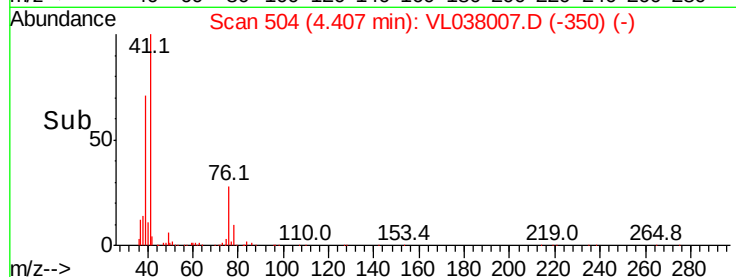
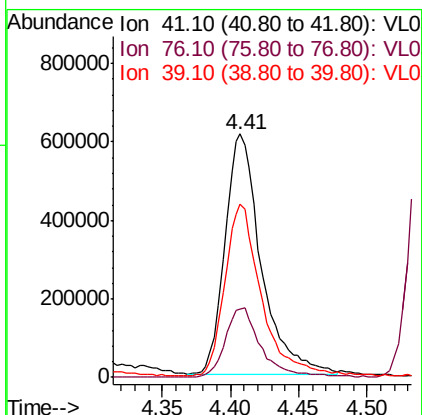
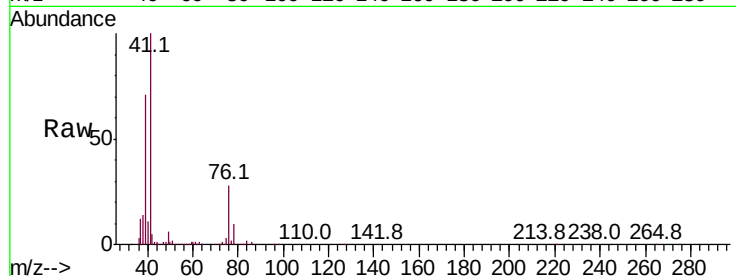
86 61.9 47.3 70.9





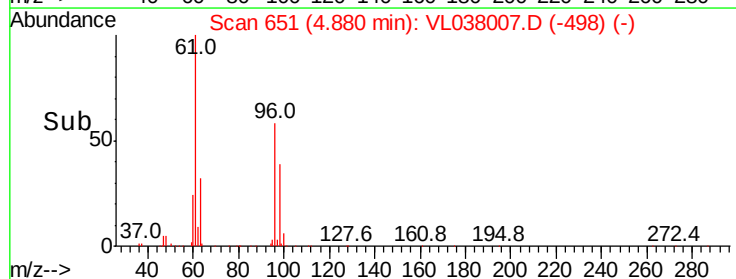
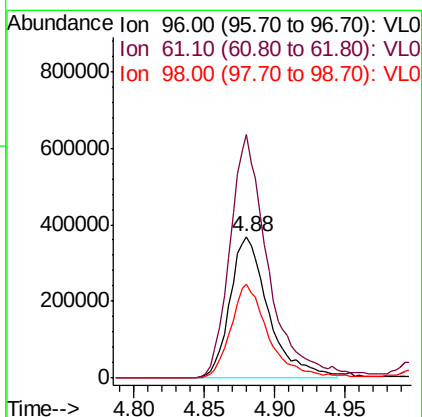
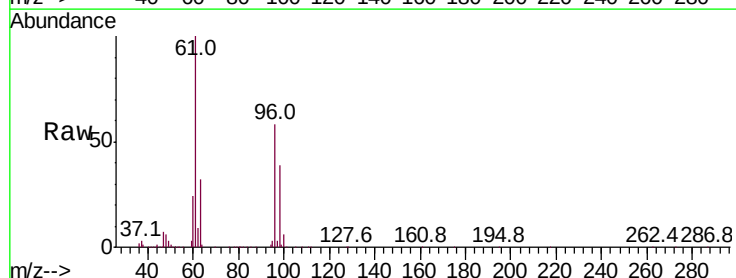
#21
 Allvl Chloride
 Concen: 9.945 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 12:07

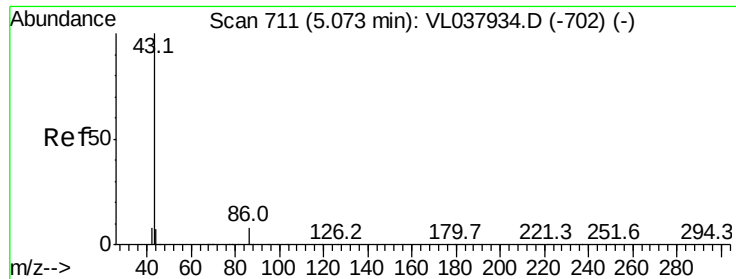
Tot Ion: 41 Resp: 1139138
 Ion Ratio Lower Upper
 41 100
 76 28.7 23.6 35.4
 39 72.6 59.7 89.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.440 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

Tgt Ion: 96 Resp: 709347
 Ion Ratio Lower Upper
 96 100
 61 171.9 127.8 191.6
 98 66.5 56.9 85.3





#23

Vinyl Acetate

Concen: 9.662 ppbv

RT: 5.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

Tot Ion: 43 Resp: 1806121

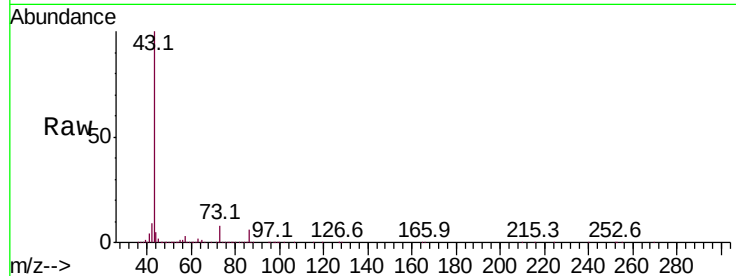
Ion Ratio Lower Upper

43 100

86 6.1 5.5 8.3

42 9.1 7.4 11.2

44 4.9 4.7 7.1

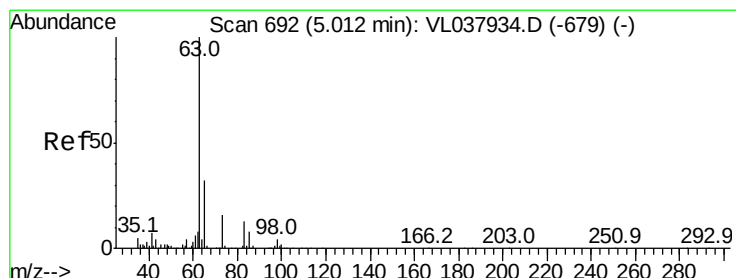
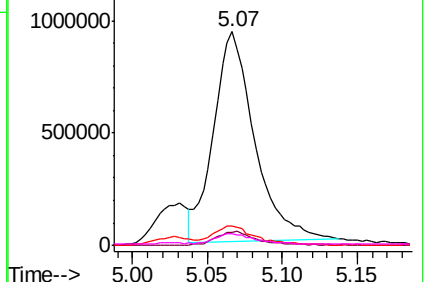
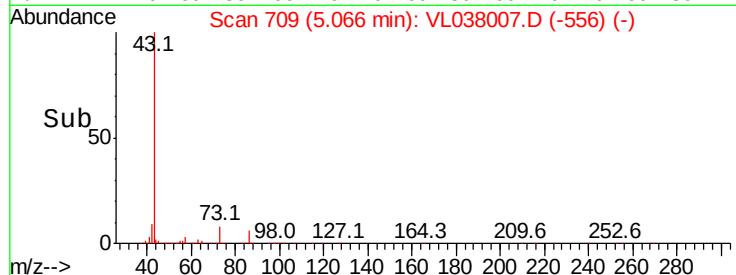


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.791 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

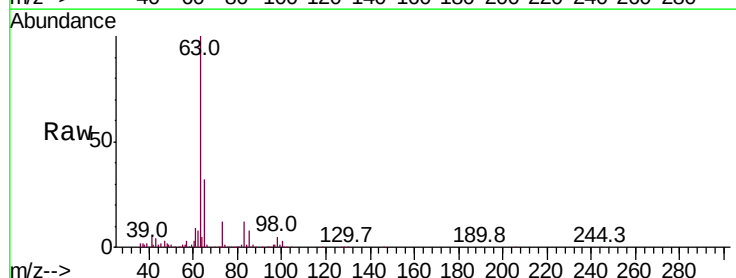
Tgt Ion: 63 Resp: 1357574

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

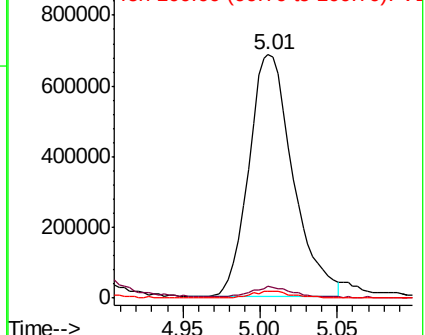
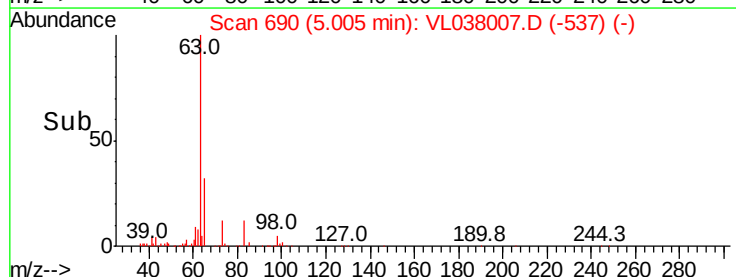
100 2.5 1.2 3.6

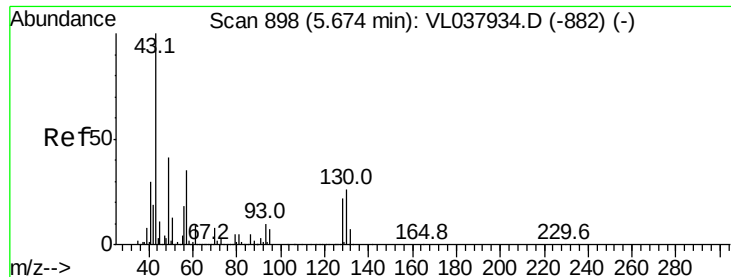


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

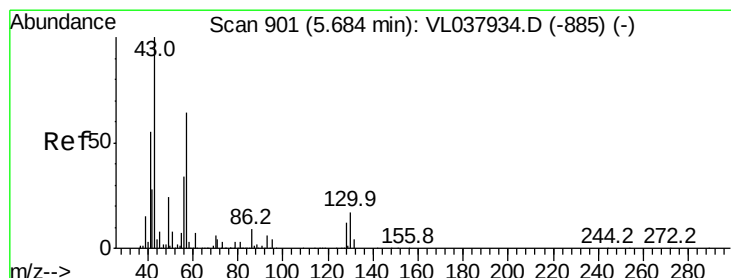
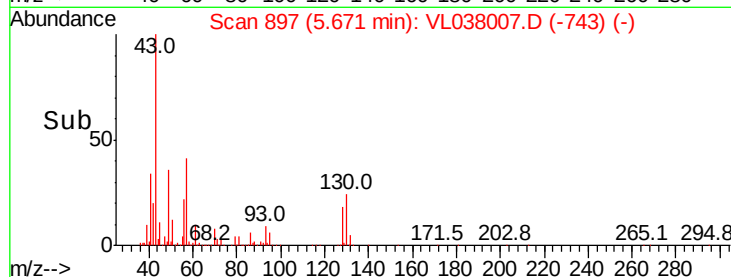
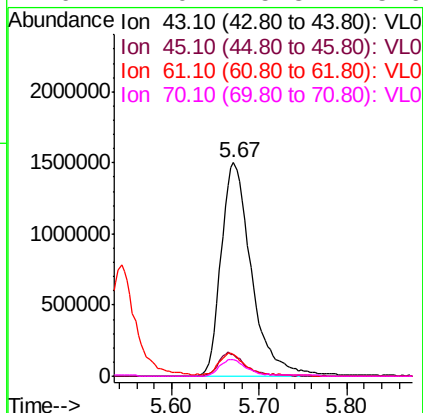
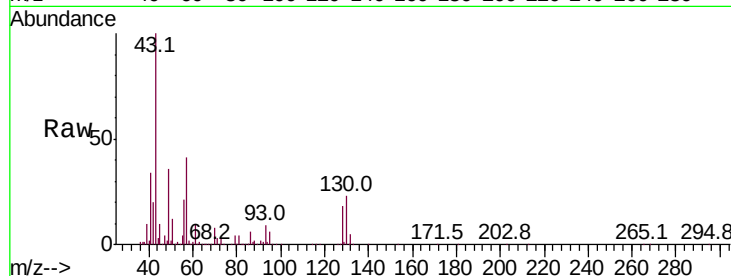




#25
Ethyl Acetate
Concen: 9.809 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 Nov 2021 12:07

Tot Ion: 43 Resp: 3617038

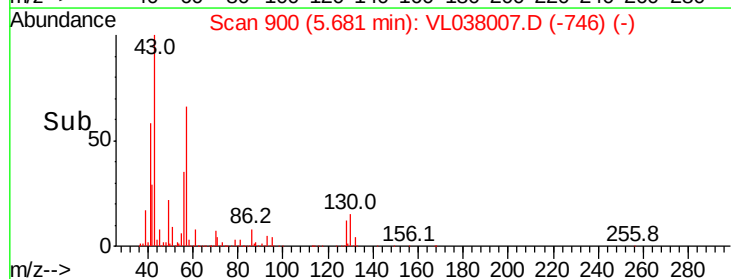
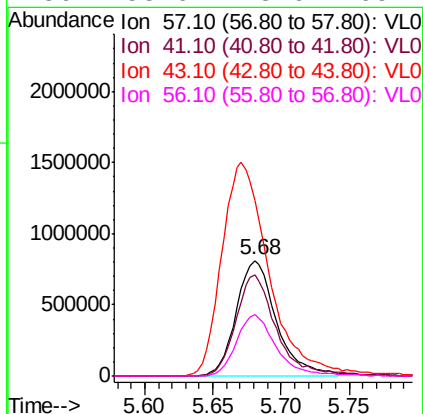
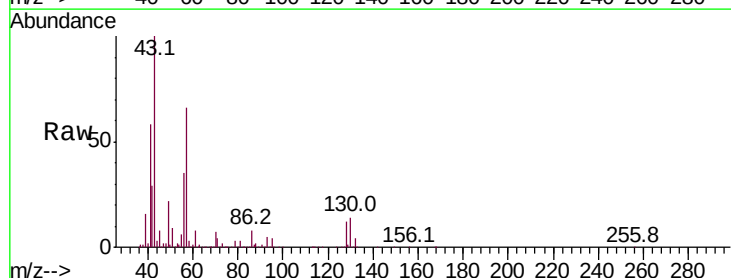
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.1	12.1
61	9.8	8.1	12.1
70	7.0	5.8	8.6

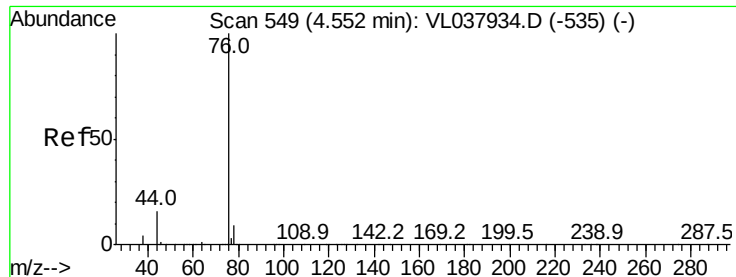


#26
Hexane
Concen: 9.448 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: -0.00 min
Lab File: VL038007.D
Acq: 10 Nov 2021 12:07

Tgt Ion: 57 Resp: 1650674

Ion	Ratio	Lower	Upper
57	100		
41	89.5	71.0	106.6
43	220.8	173.0	259.6
56	53.6	43.6	65.4





#27

Carbon Disulfide

Concen: 9.993 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

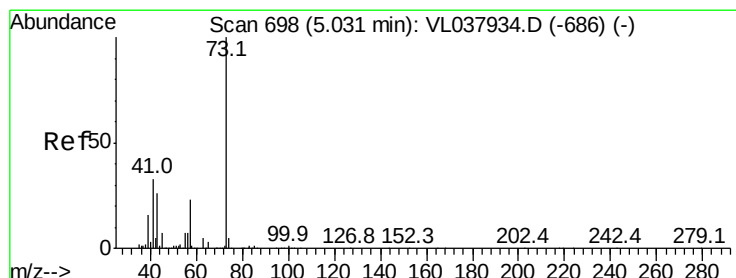
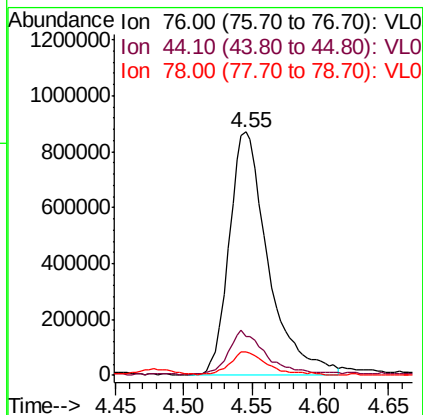
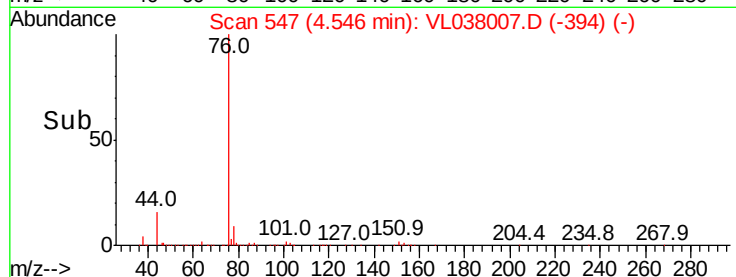
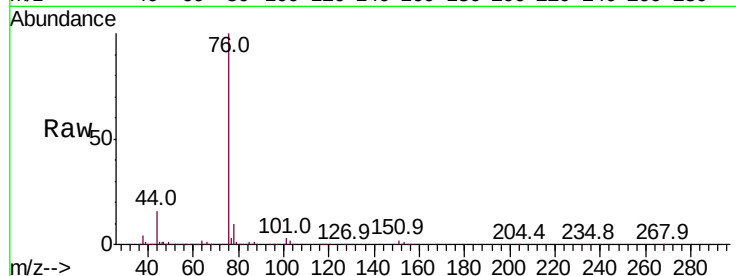
Tot Ion: 76 Resp: 1723470

Ion Ratio Lower Upper

76 100

44 17.6 13.2 19.8

78 10.4 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.981 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL038007.D

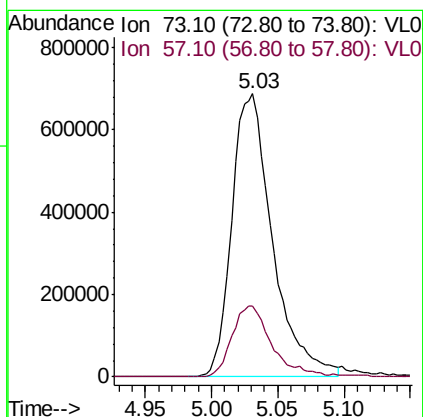
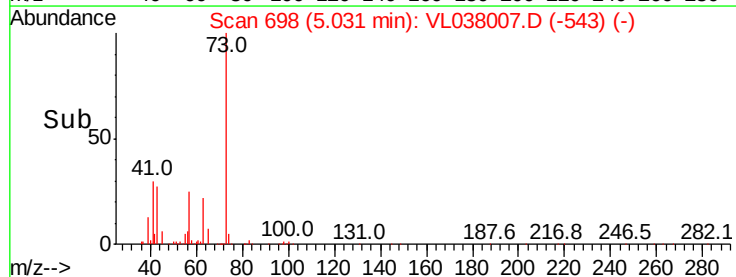
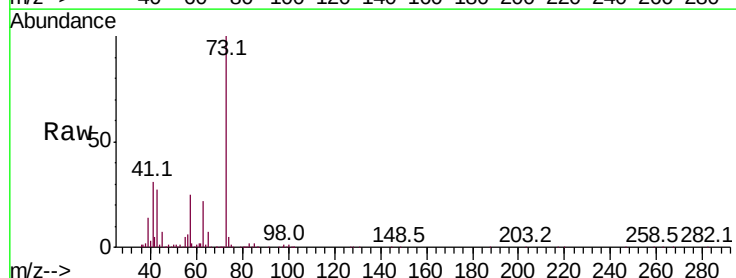
Acq: 10 Nov 2021 12:07

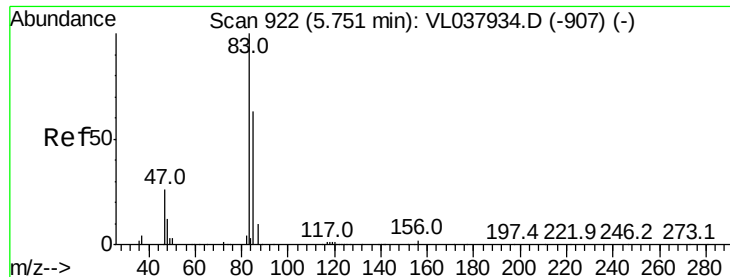
Tgt Ion: 73 Resp: 1465939

Ion Ratio Lower Upper

73 100

57 25.1 20.1 30.1





#29

Chloroform

Concen: 8.808 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

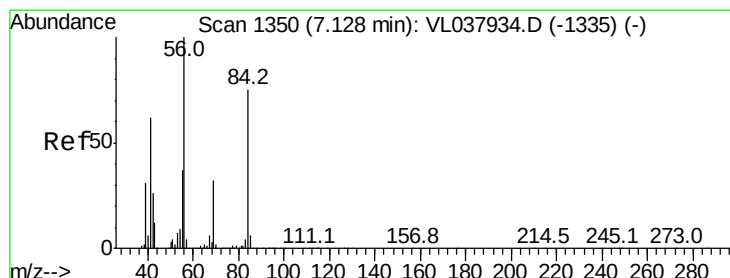
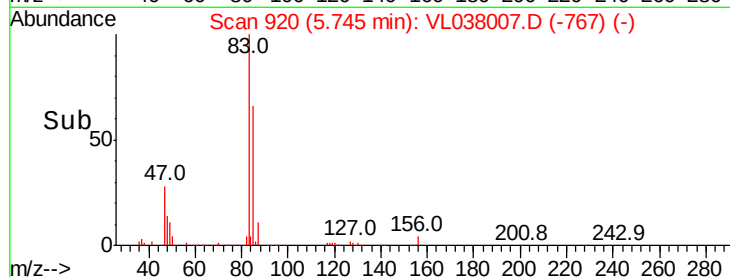
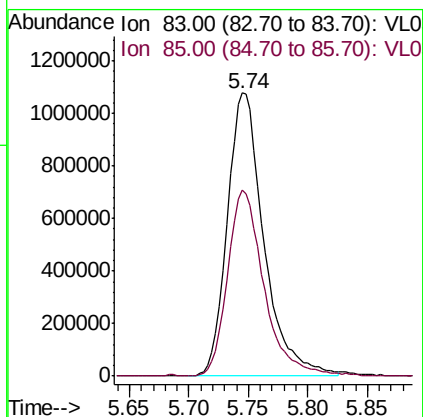
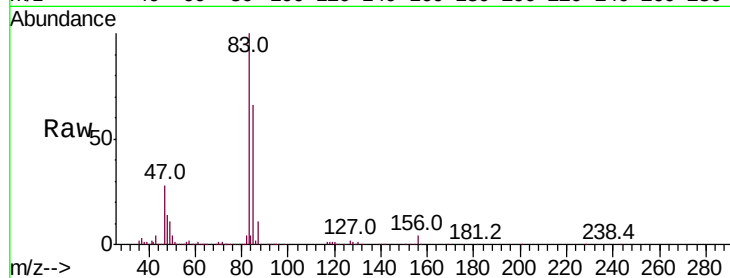
Acq: 10 Nov 2021 12:07

Tot Ion: 83 Resp: 2294865

Ion Ratio Lower Upper

83 100

85 65.4 50.6 76.0



#30

Cyclohexane

Concen: 9.459 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

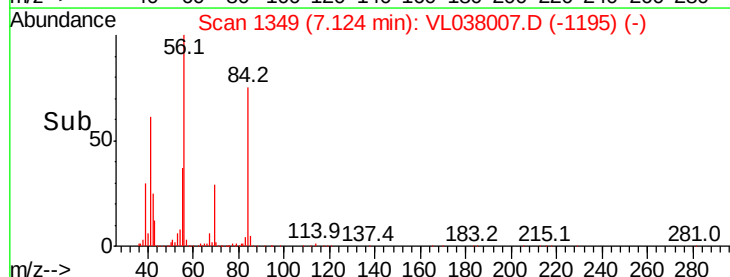
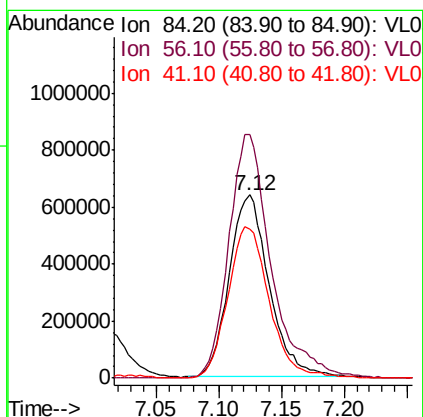
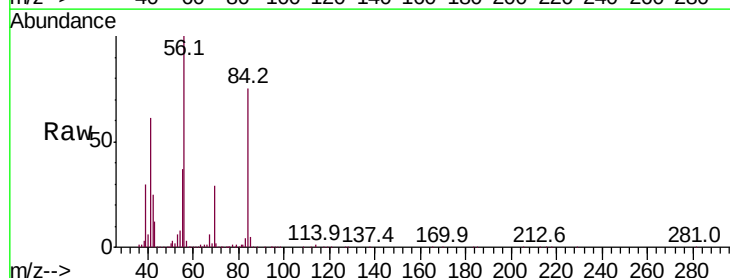
Tgt Ion: 84 Resp: 1412659

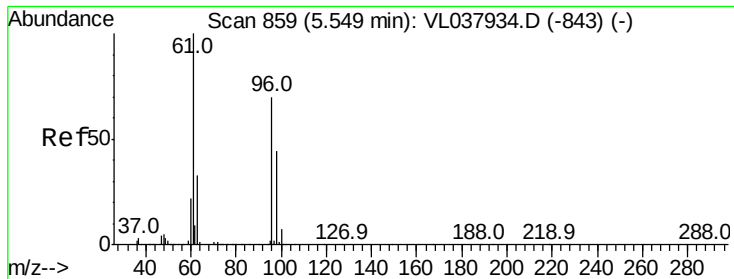
Ion Ratio Lower Upper

84 100

56 143.1 114.0 171.0

41 86.6 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 9.807 ppbv

RT: 5.54

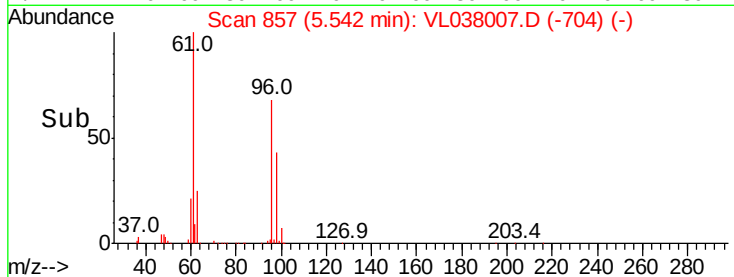
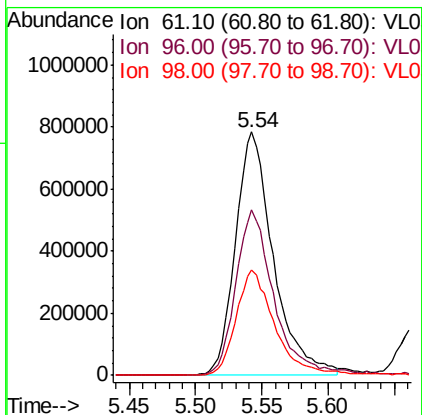
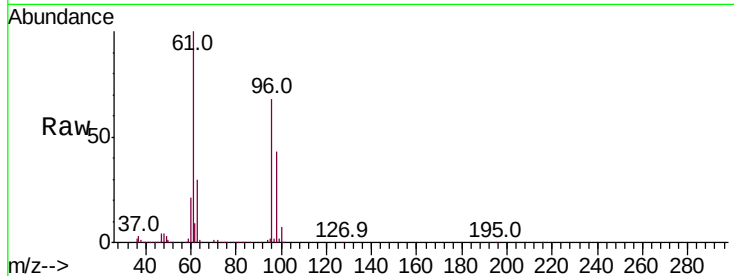
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 12:07

Tot Ion: 61 Resp: 1563198

Ion	Ratio	Lower	Upper
61	100		
96	67.9	55.6	83.4
98	43.1	34.9	52.3



#32

1,1,1-Trichloroethane

Concen: 8.693 ppbv

RT: 6.50 min Scan# 1156

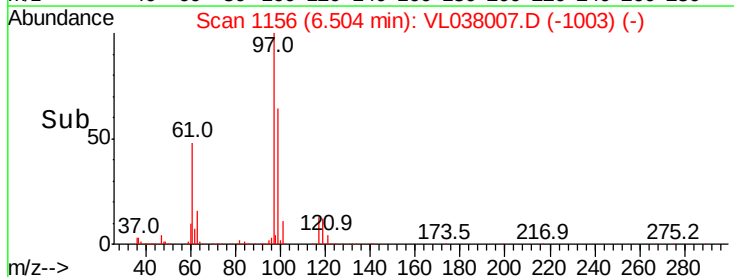
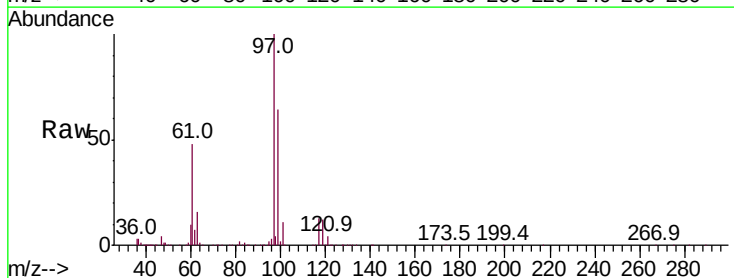
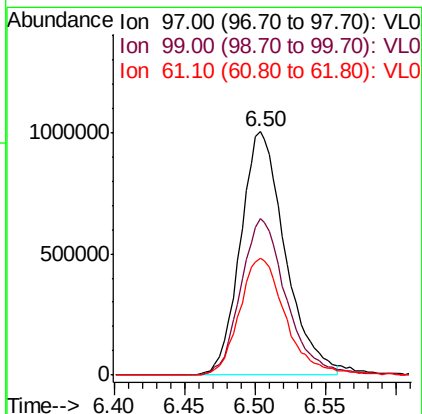
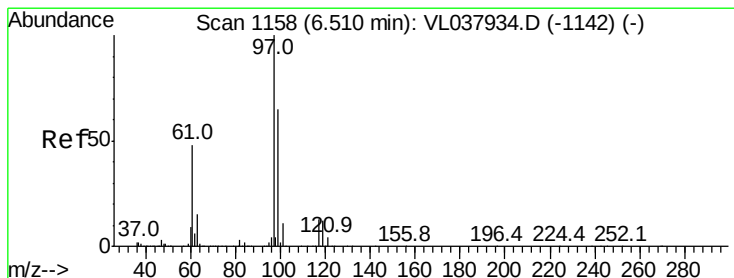
Delta R.T. -0.01 min

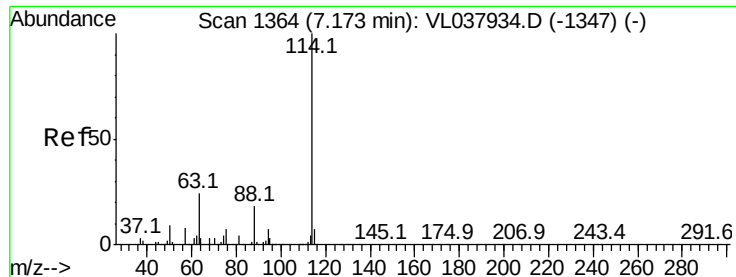
Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

Tgt Ion: 97 Resp: 2226085

Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.2	78.4
61	50.1	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Instrument: MSVOA_1

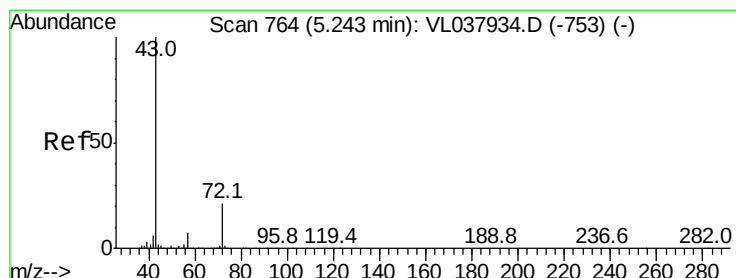
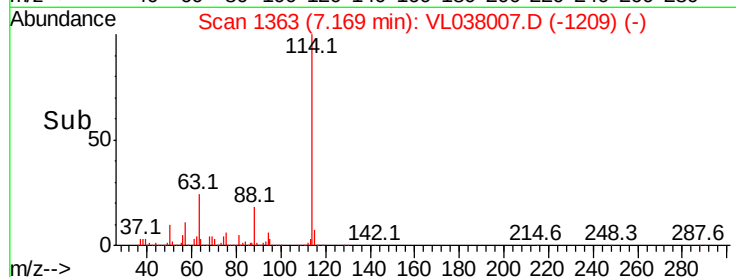
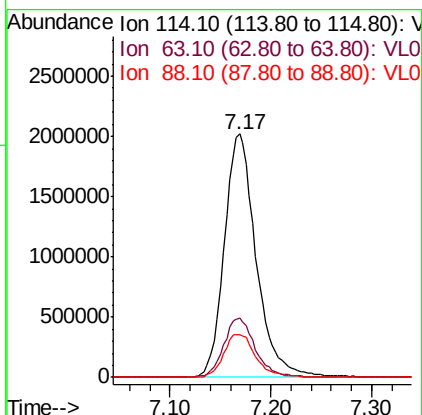
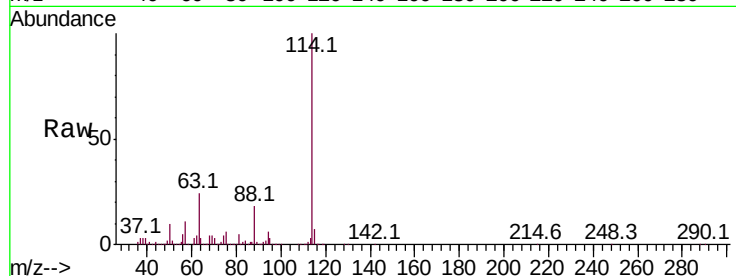
Delta R.T.:

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

Tot Ion:114 Resp: 4433864

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.4	29.0
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 7.125 ppbv

RT: 5.24 min Scan# 762

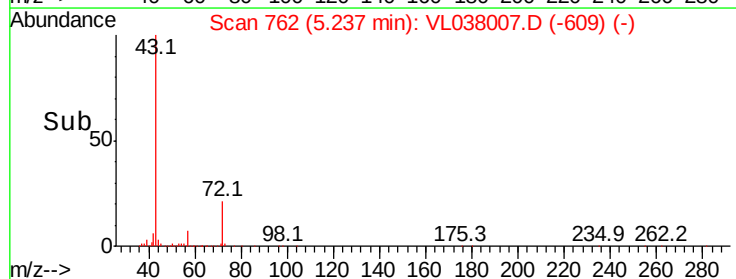
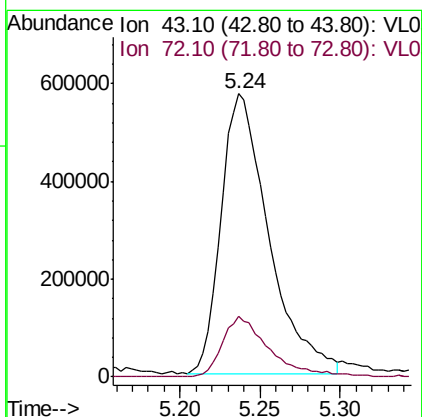
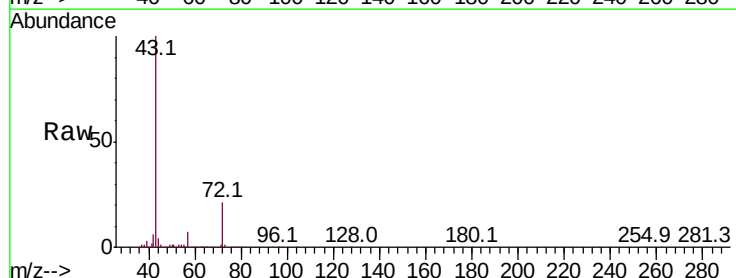
Delta R.T. -0.01 min

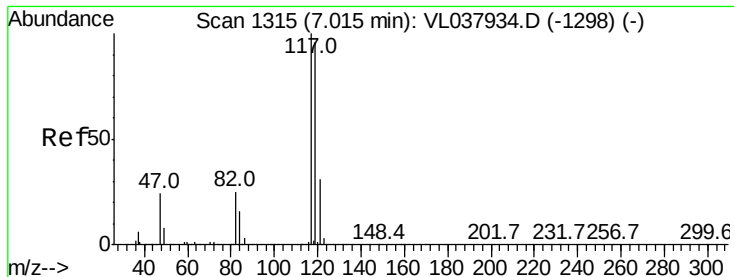
Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

Tgt Ion: 43 Resp: 1170678

Ion	Ratio	Lower	Upper
43	100		
72	21.5	18.3	27.5





#35

Carbon Tetrachloride

Concen: 8.644 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

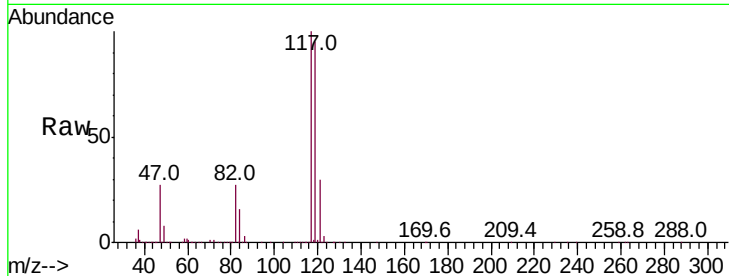
Tot Ion:117 Resp: 2317031

Ion Ratio Lower Upper

117 100

119 95.4 76.6 114.8

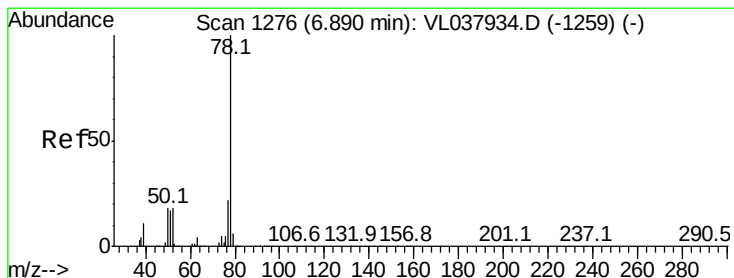
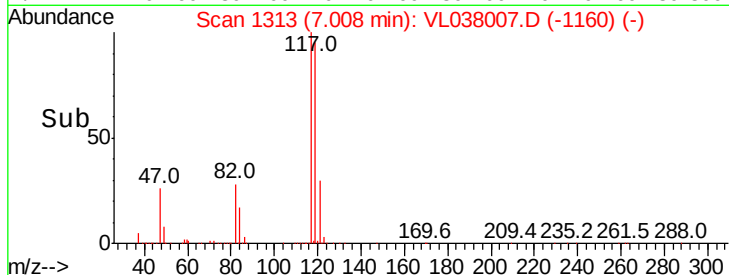
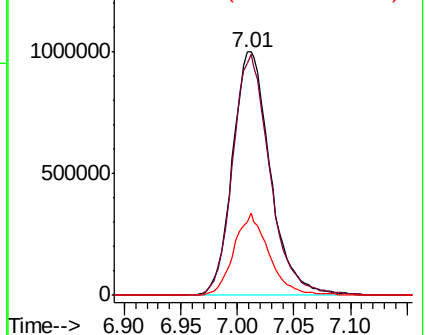
121 30.2 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.683 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

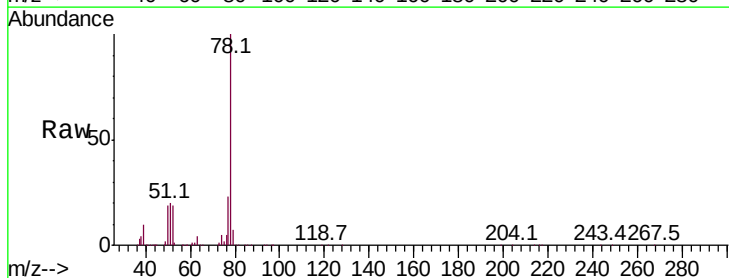
Tgt Ion: 78 Resp: 3496498

Ion Ratio Lower Upper

78 100

77 23.3 17.9 26.9

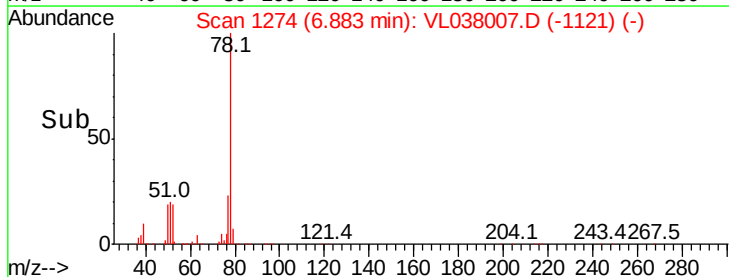
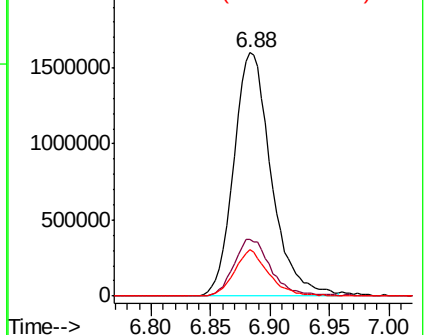
50 19.2 14.4 21.6

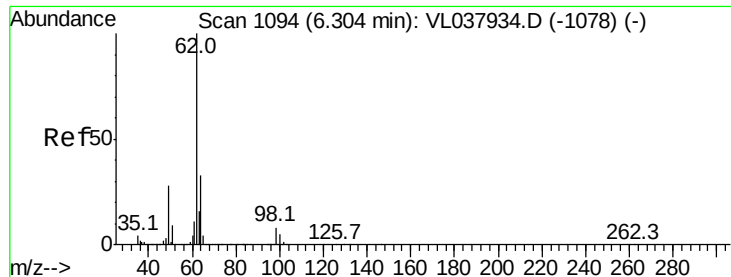


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

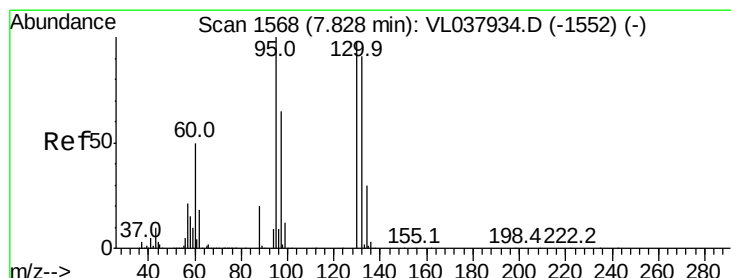
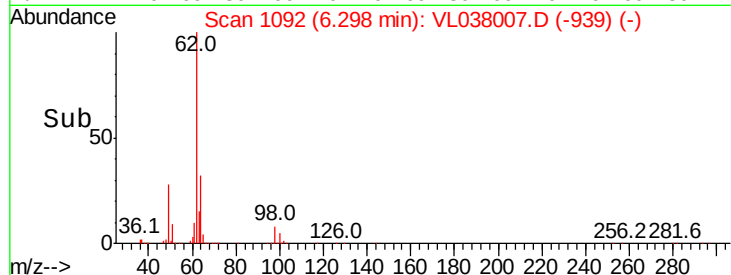
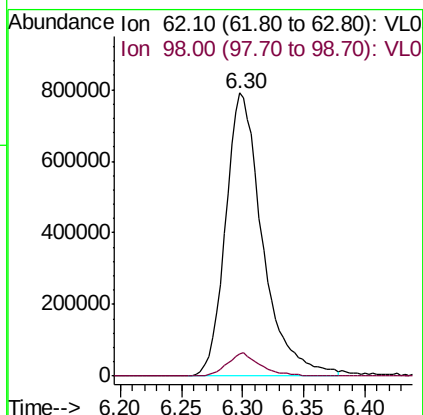
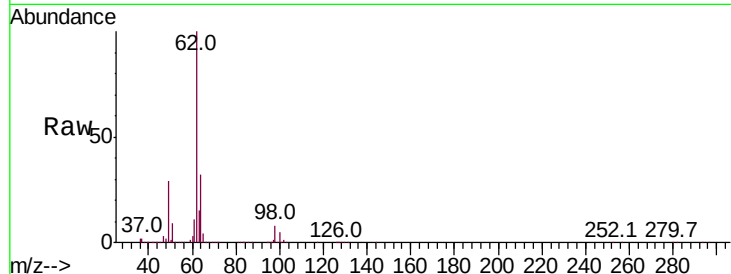
Ion 50.10 (49.80 to 50.80): VL0





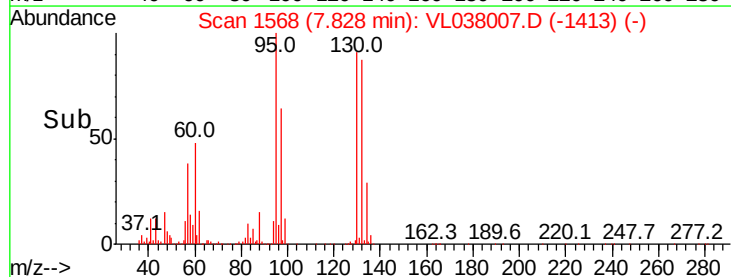
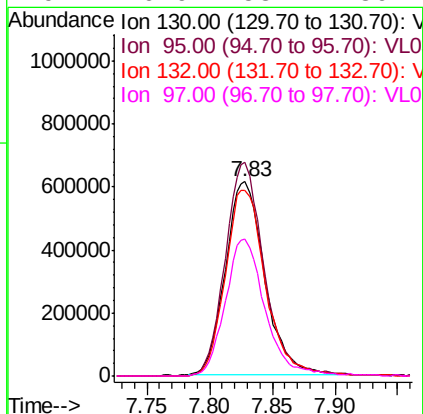
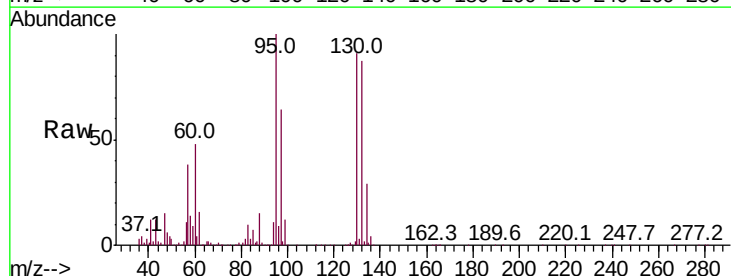
#37
 1,2-Dichloroethane
 Concen: 9.708 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 12:07

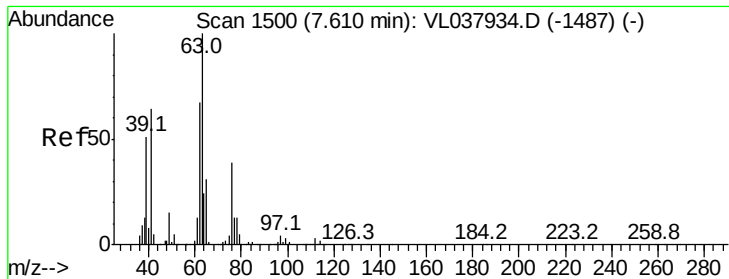
Tot Ion: 62 Resp: 1666481
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.5 9.7



#38
 Trichloroethene
 Concen: 8.936 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

Tgt Ion:130 Resp: 1339241
 Ion Ratio Lower Upper
 130 100
 95 110.2 81.8 122.8
 132 95.7 74.2 111.2
 97 70.9 53.4 80.2





#39

1,2-Dichloropropane

Concen: 9.792 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

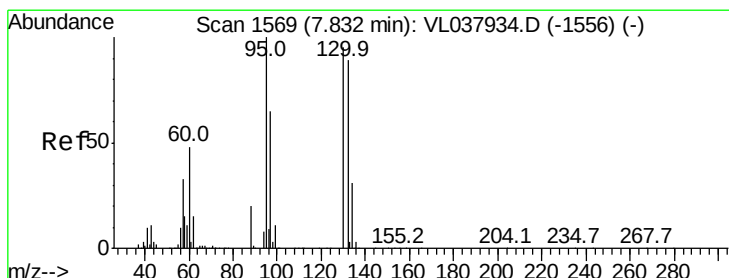
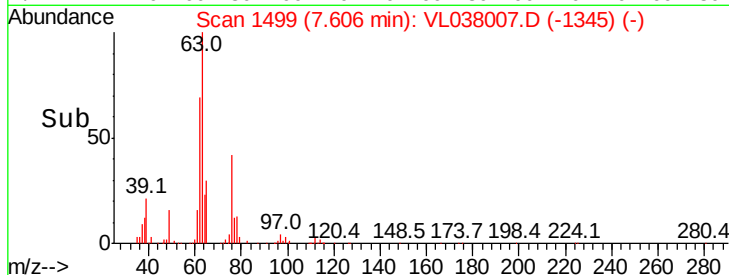
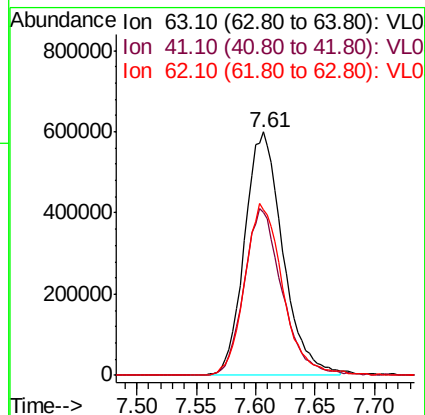
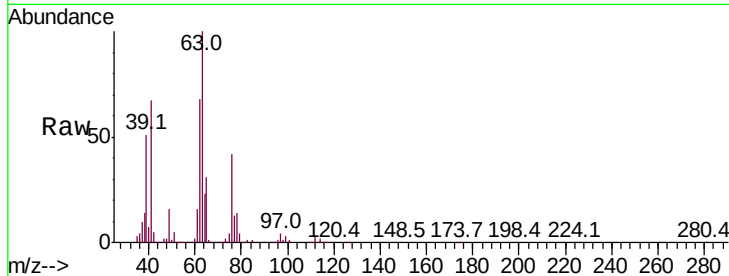
Tot Ion: 63 Resp: 1330373

Ion Ratio Lower Upper

63 100

41 67.0 51.6 77.4

62 68.1 53.5 80.3



#40

1,4-Dioxane

Concen: 3.596 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

Tgt Ion: 88 Resp: 128673

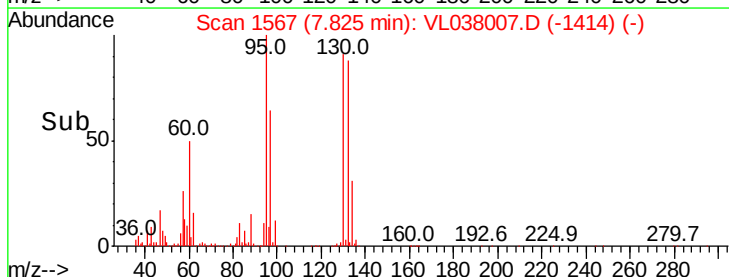
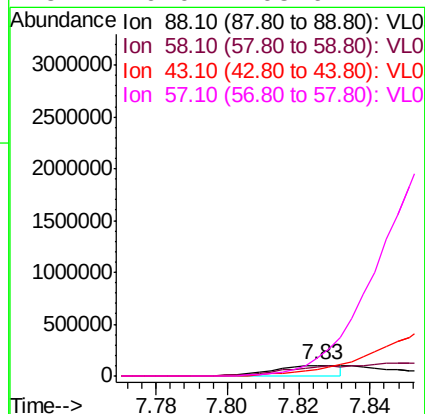
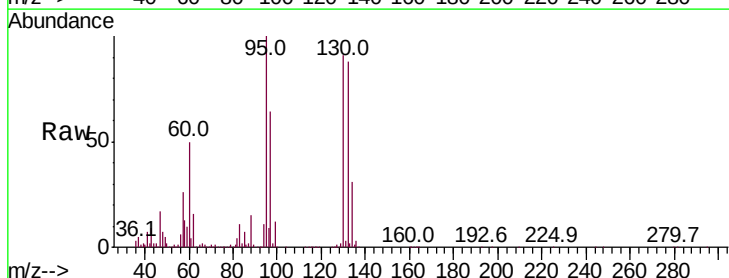
Ion Ratio Lower Upper

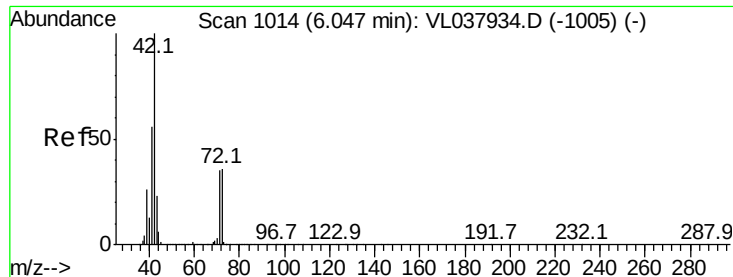
88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#





#41

Tetrahydrofuran

Concen: 10.234 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

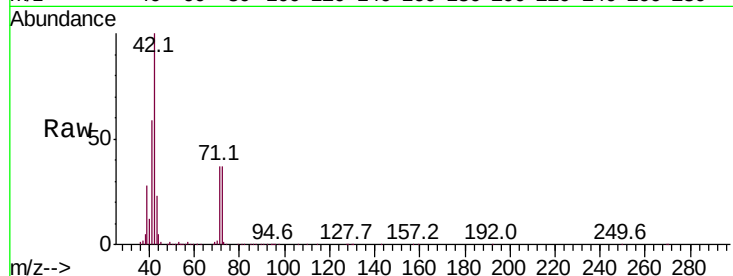
Tot Ion: 42 Resp: 822699

Ion Ratio Lower Upper

42 100

72 40.7 31.5 47.3

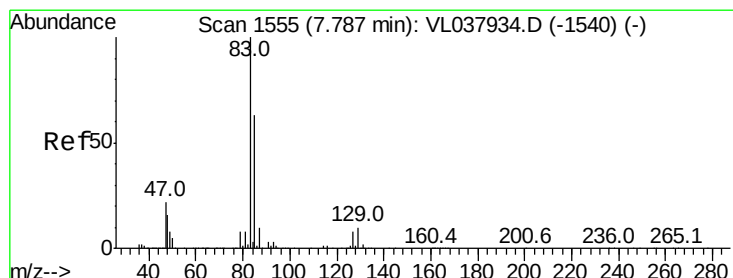
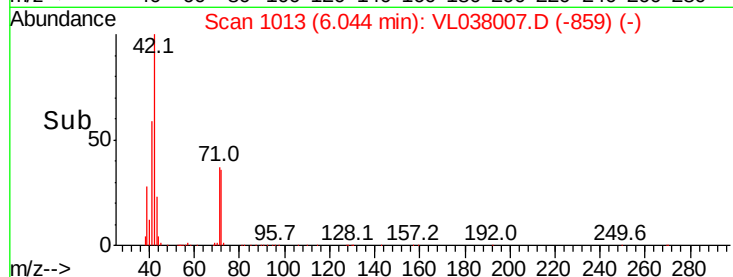
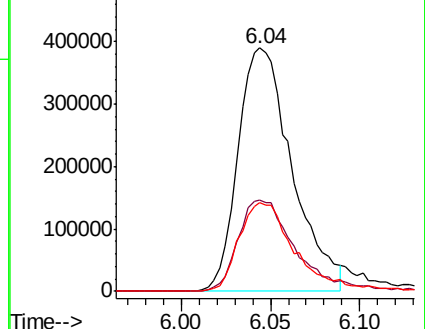
71 38.7 30.5 45.7



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: 9.443 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

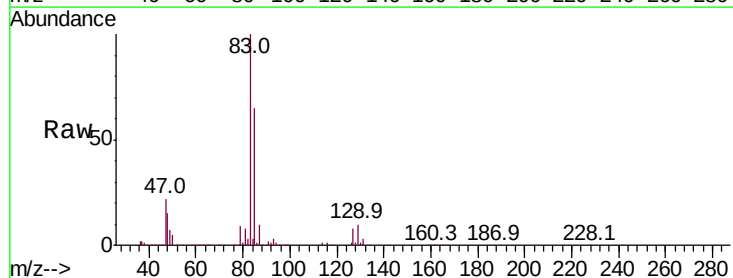
Tgt Ion: 83 Resp: 2450800

Ion Ratio Lower Upper

83 100

85 64.9 50.1 75.1

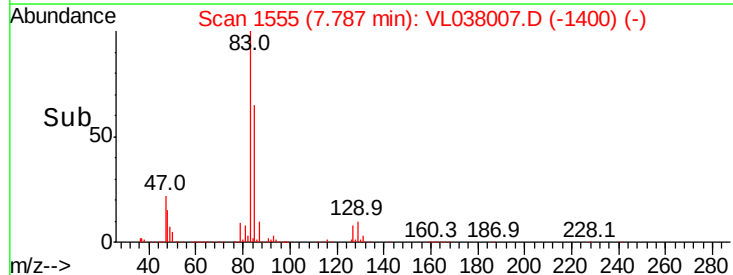
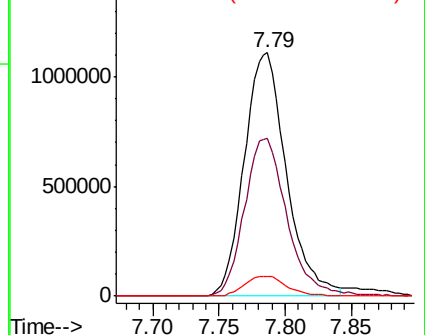
127 8.3 6.1 9.1

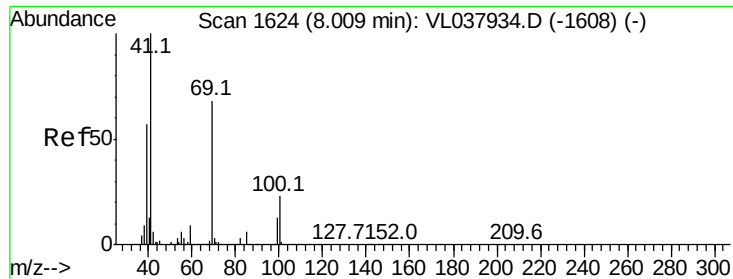


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

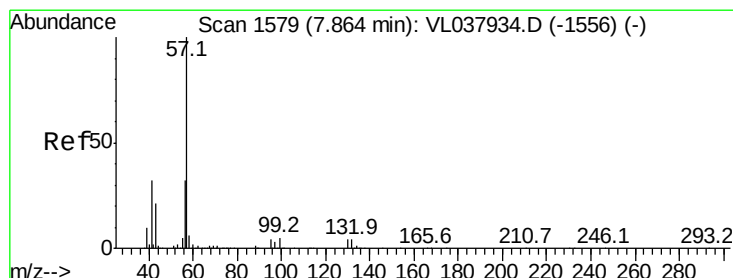
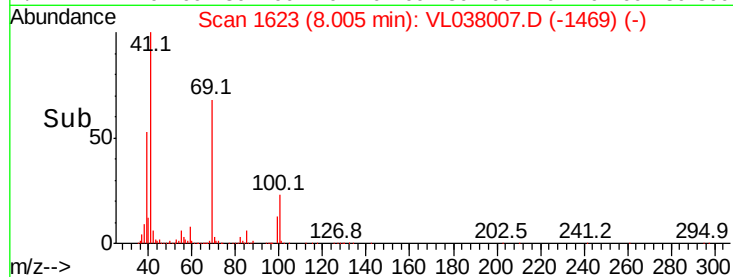
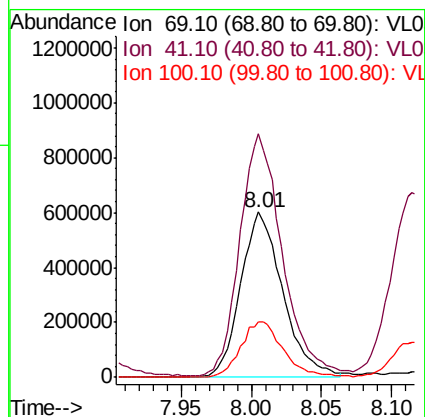
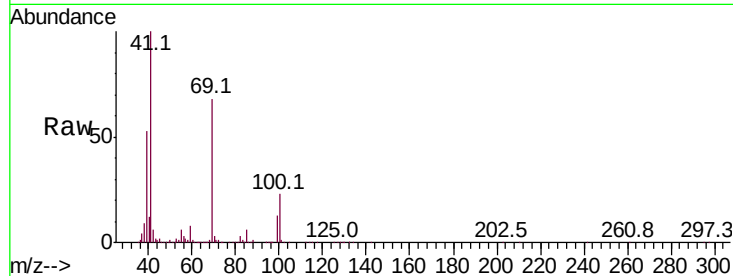
Ion 126.90 (126.60 to 127.60): V





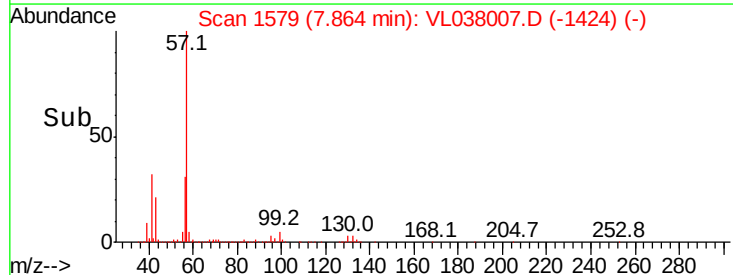
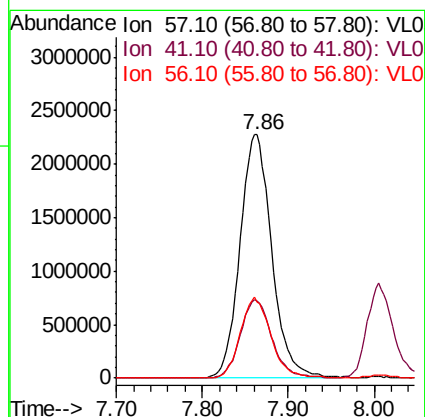
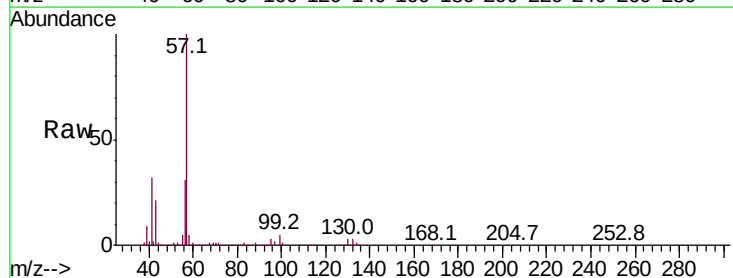
#43
 Methvl Methacrylate
 Concen: 10.654 ppbv
 RT: 8.01
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 12:07

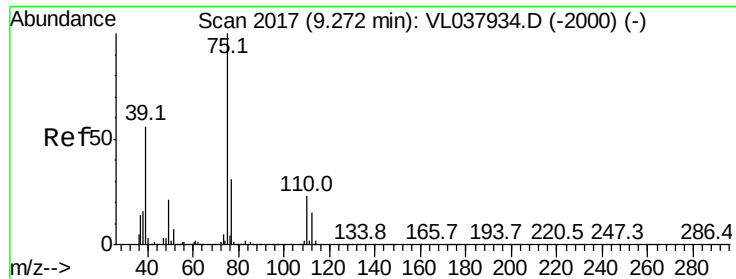
Tot Ion: 69 Resp: 1262720
 Ion Ratio Lower Upper
 69 100
 41 149.0 117.4 176.2
 100 33.9 27.8 41.6



#44
 2,2,4-Trimethylpentane
 Concen: 9.531 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T.: -0.00 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

Tgt Ion: 57 Resp: 5853377
 Ion Ratio Lower Upper
 57 100
 41 31.8 25.8 38.8
 56 31.9 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 12.050 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

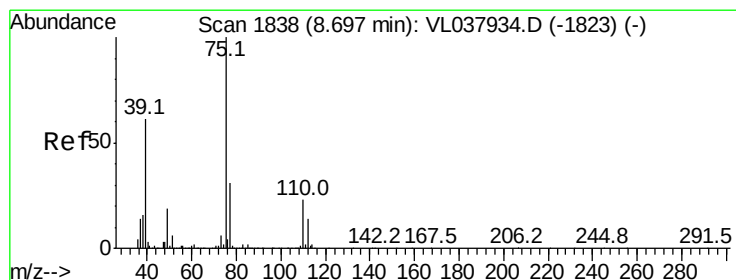
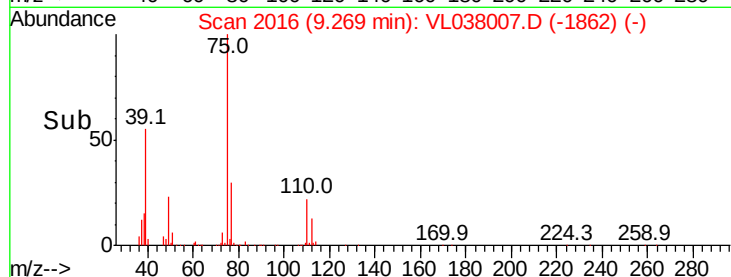
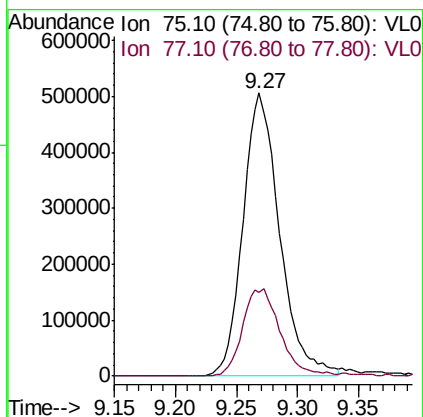
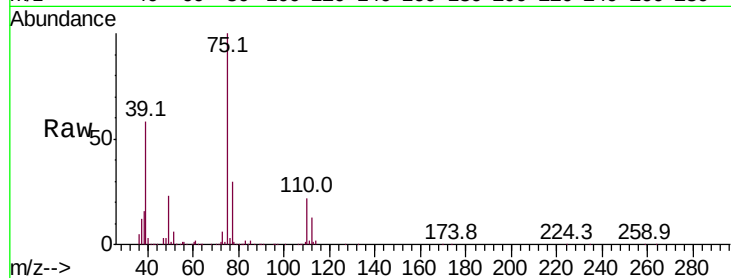
Acq: 10 Nov 2021 12:07

Tot Ion: 75 Resp: 1049334

Ion Ratio Lower Upper

75 100

77 29.6 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 11.351 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

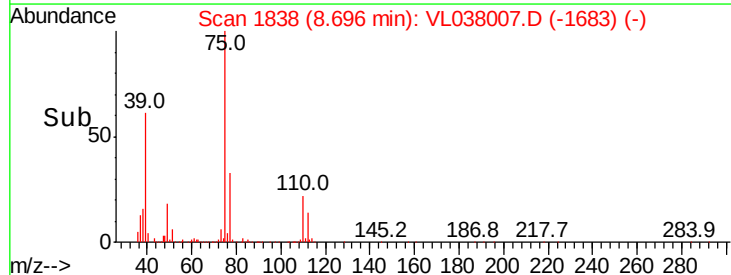
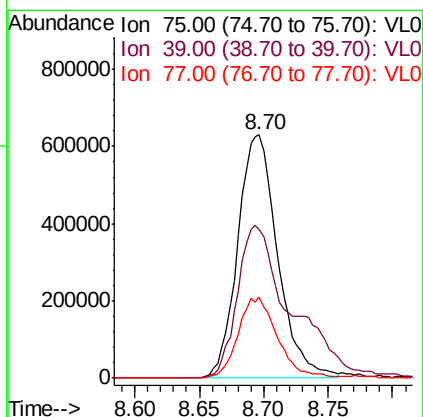
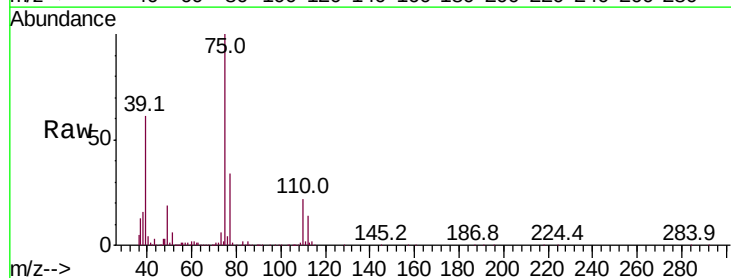
Tgt Ion: 75 Resp: 1359050

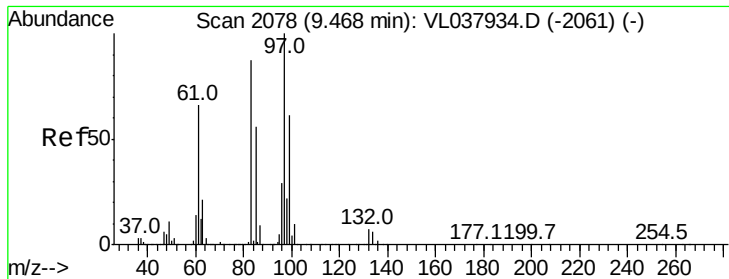
Ion Ratio Lower Upper

75 100

39 61.3 48.8 73.2

77 33.5 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 8.932 ppbv

RT: 9.46 Instrument:

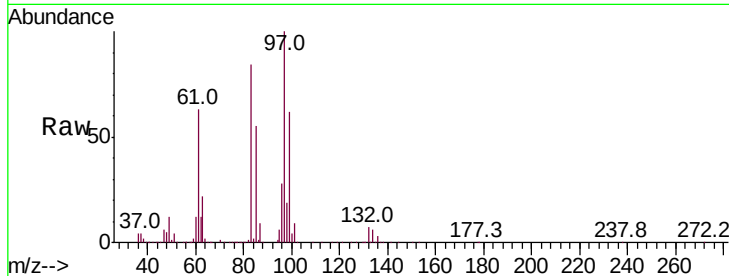
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

Tot Ion: 97 Resp: 1363497

Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.4	104.2
85	55.4	45.0	67.6
99	61.8	48.7	73.1

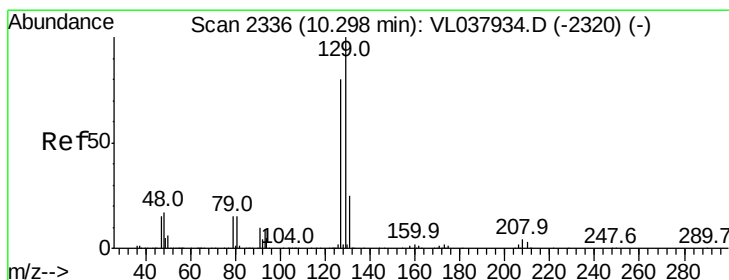
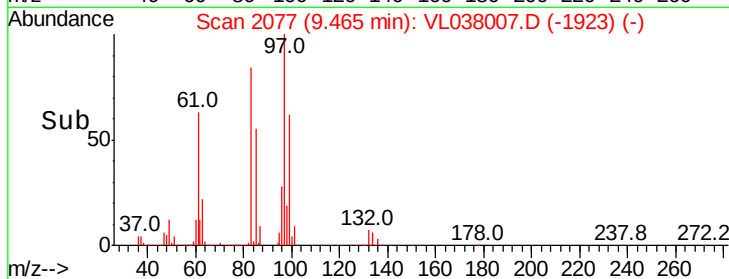
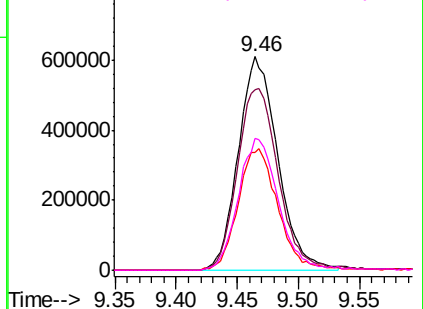


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.981 ppbv

RT: 10.30 min Scan# 2336

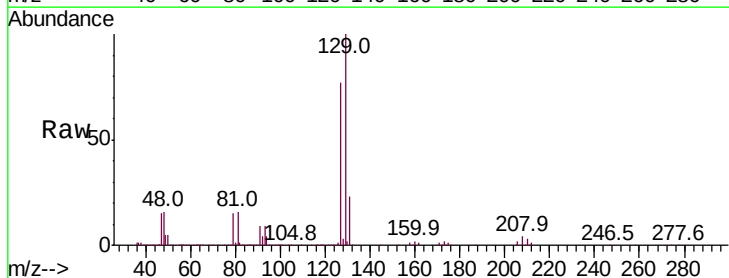
Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

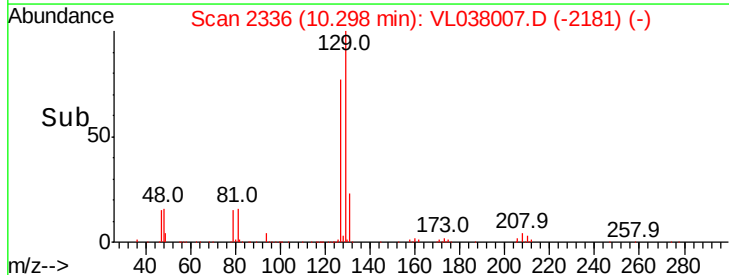
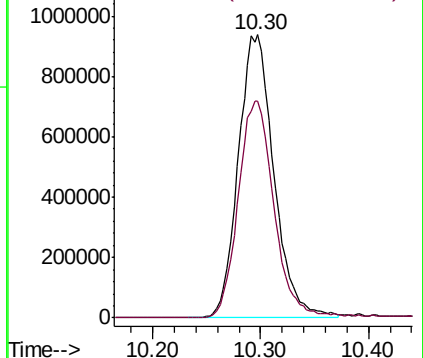
Tgt Ion: 129 Resp: 2157230

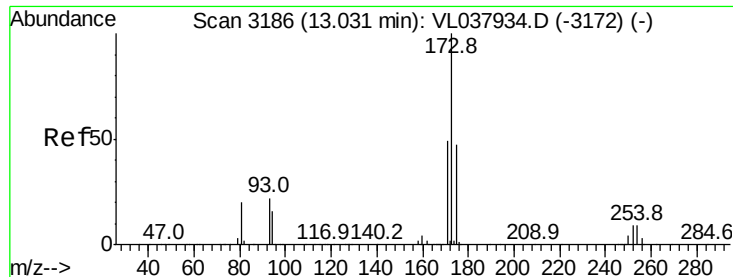
Ion	Ratio	Lower	Upper
129	100		
127	78.3	40.3	120.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.493 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 12:07

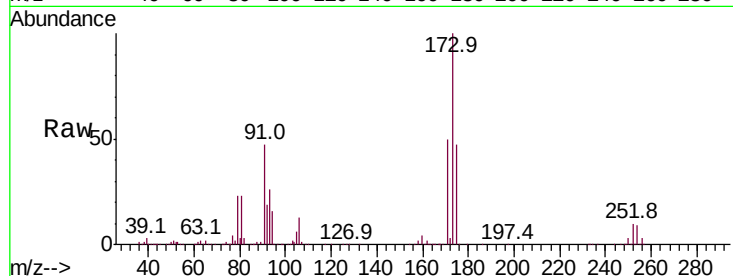
Tot Ion:173 Resp: 1621838

Ion Ratio Lower Upper

173 100

175 51.5 39.5 59.3

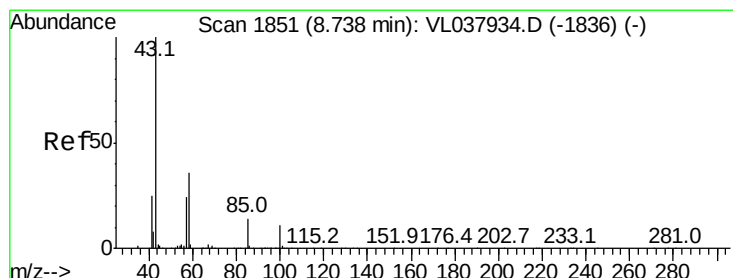
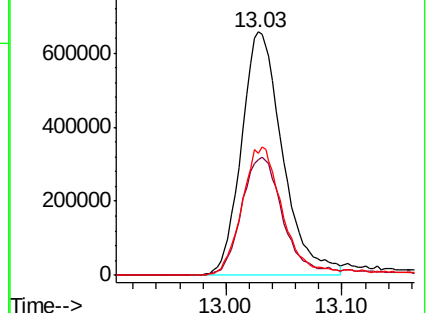
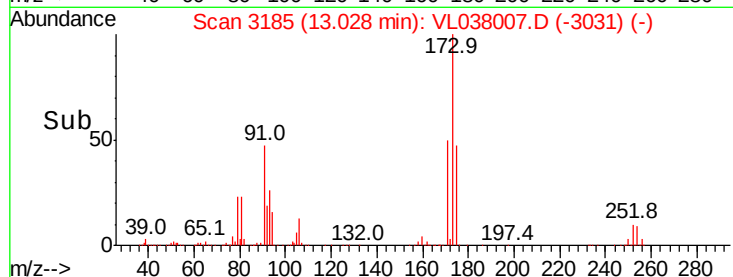
171 55.7 43.6 65.4



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: 10.183 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL038007.D

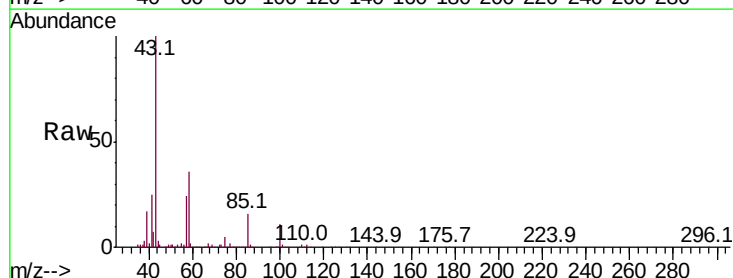
Acq: 10 Nov 2021 12:07

Tgt Ion: 43 Resp: 2198103

Ion Ratio Lower Upper

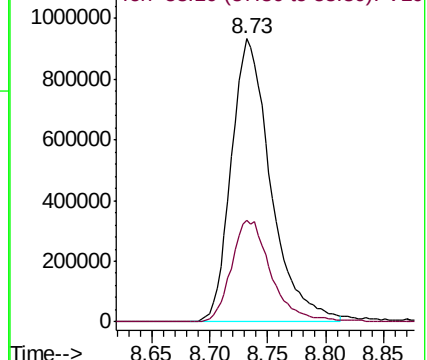
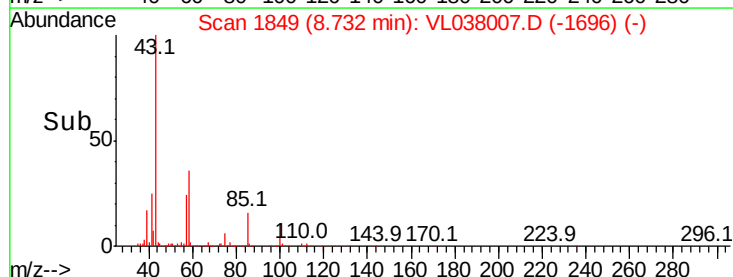
43 100

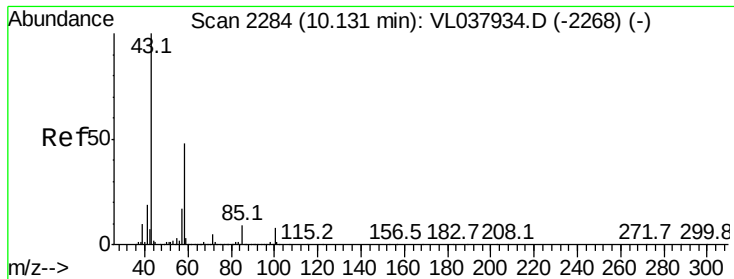
58 36.5 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

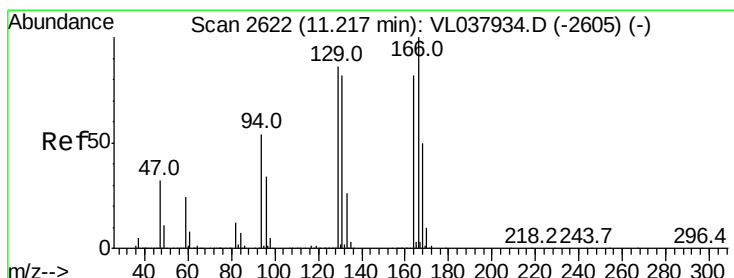
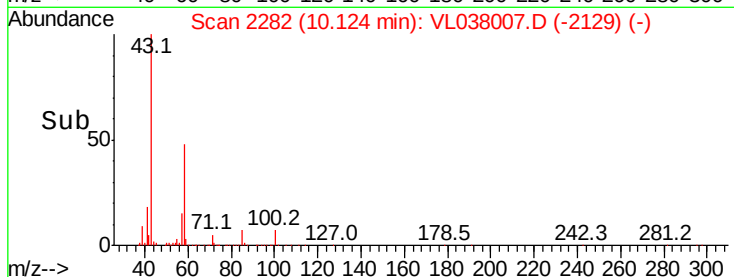
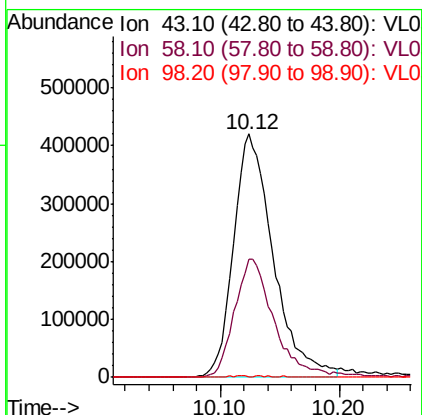
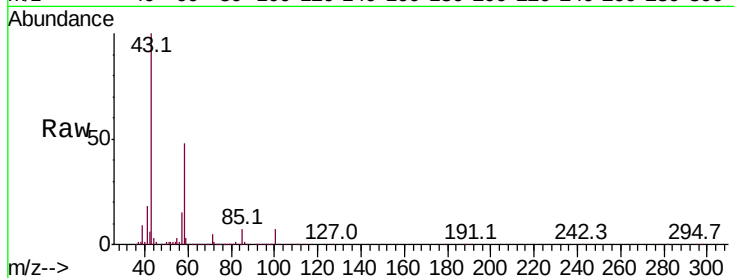
Ion 58.10 (57.80 to 58.80): VL0





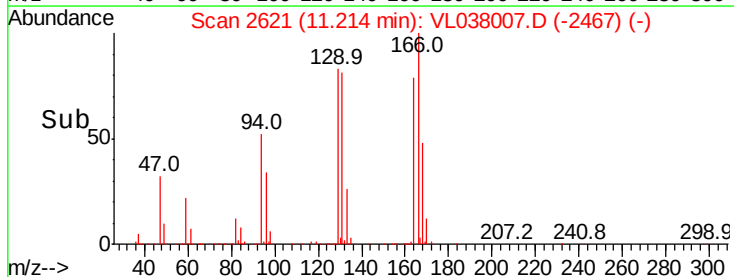
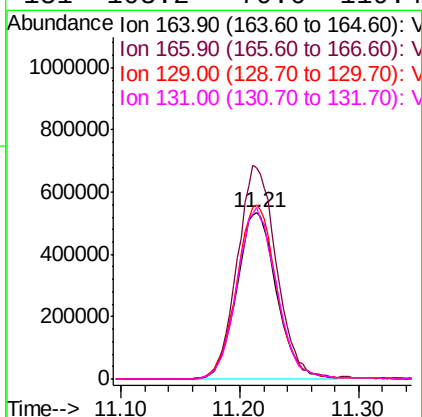
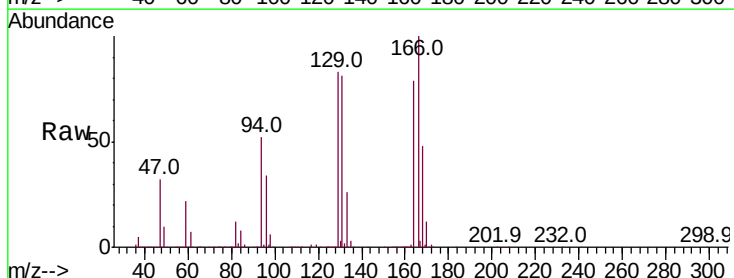
#51
 2-Hexanone
 Concen: 10.658 ppbv
 RT: 10.12 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 12:07

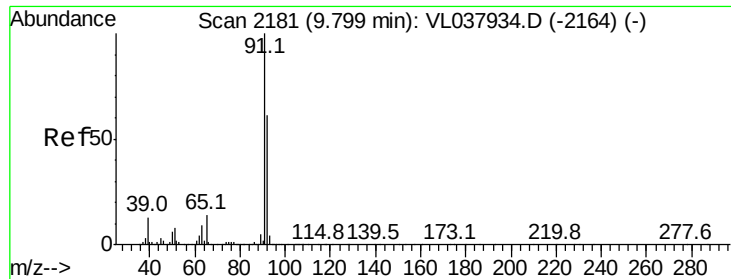
Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	38.6	57.8
98	0.8	1.0	1.4#



#52
 Tetrachloroethene
 Concen: 8.999 ppbv
 RT: 11.21 min Scan# 2621
 Delta R.T. -0.00 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	97.6	146.4
129	105.0	84.2	126.2
131	103.2	79.6	119.4





#53

Toluene

Concen: 10.216 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

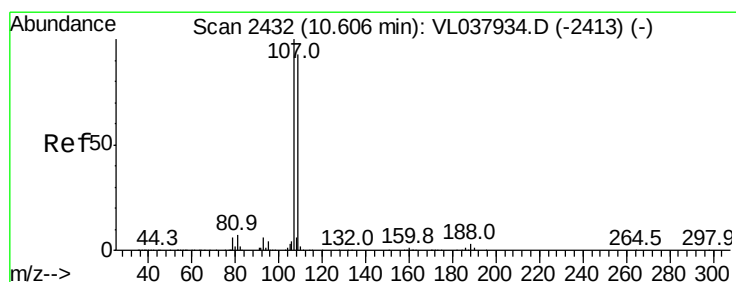
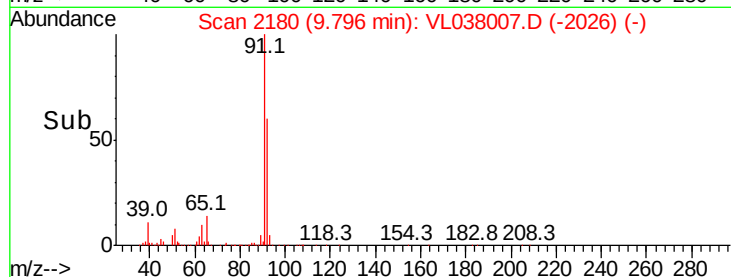
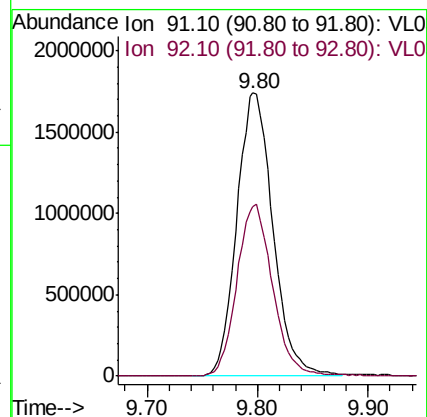
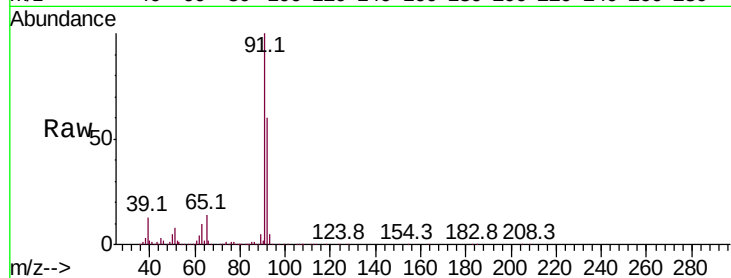
Acq: 10 Nov 2021 12:07

Tot Ion: 91 Resp: 3954452

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.661 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL038007.D

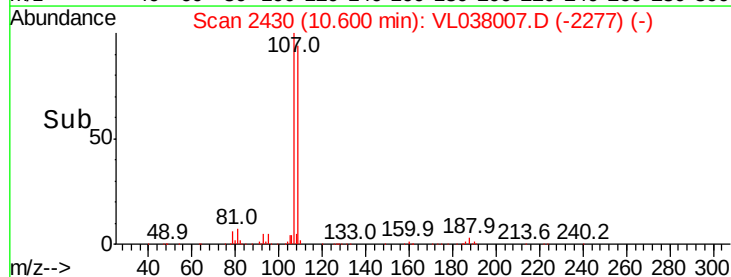
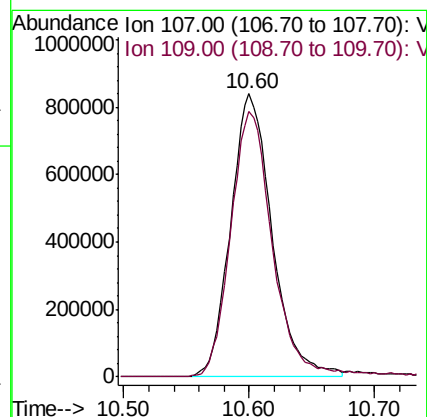
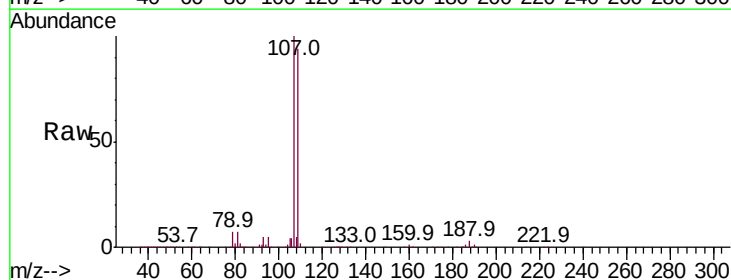
Acq: 10 Nov 2021 12:07

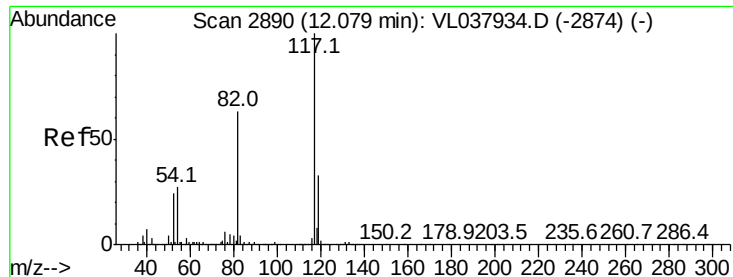
Tgt Ion: 107 Resp: 1901947

Ion Ratio Lower Upper

107 100

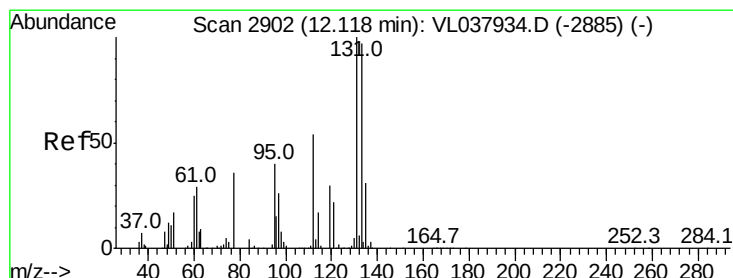
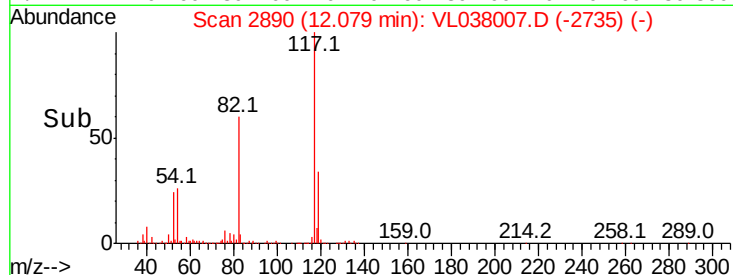
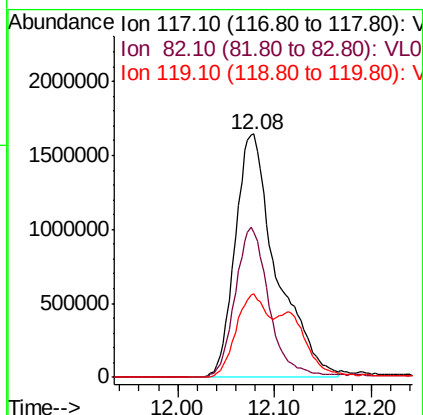
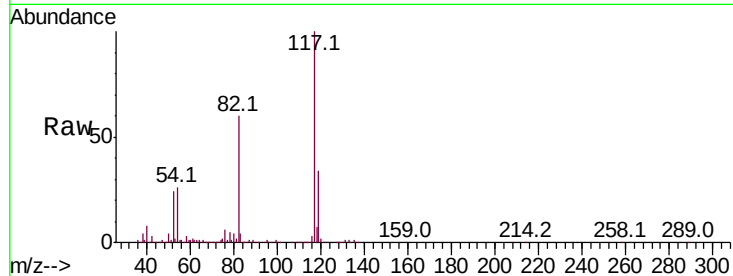
109 93.6 74.5 111.7





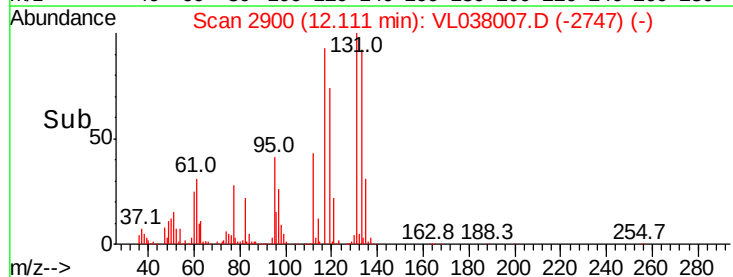
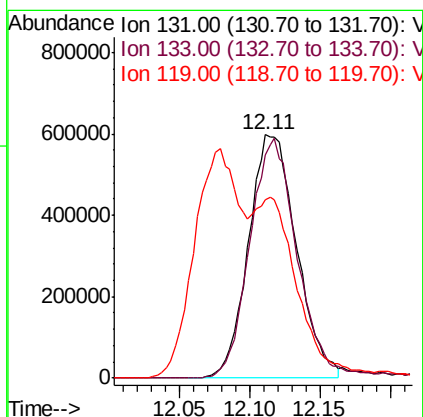
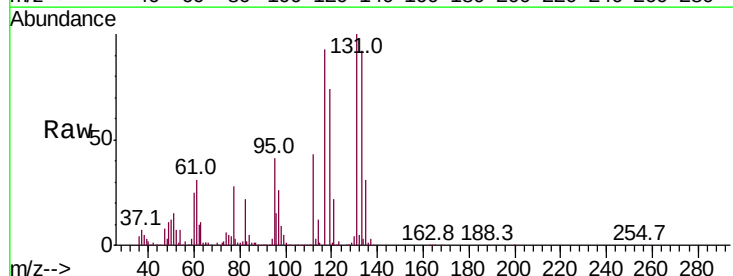
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 12:07

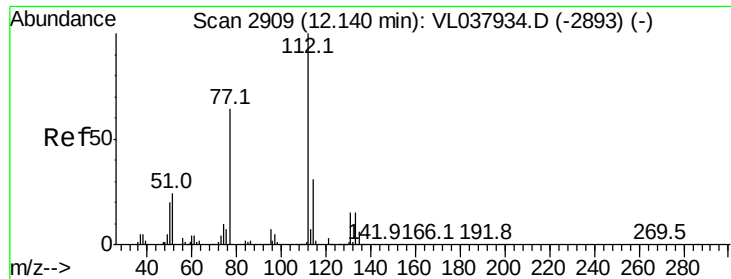
Tot Ion:117 Resp: 4880434
Ion Ratio Lower Upper
117 100
82 52.1 51.0 76.6
119 48.0 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.217 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL038007.D
Acq: 10 Nov 2021 12:07

Tgt Ion:131 Resp: 1422040
Ion Ratio Lower Upper
131 100
133 99.5 79.6 119.4
119 163.4 125.4 188.2

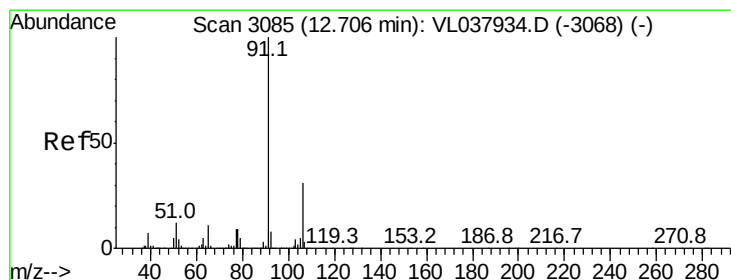
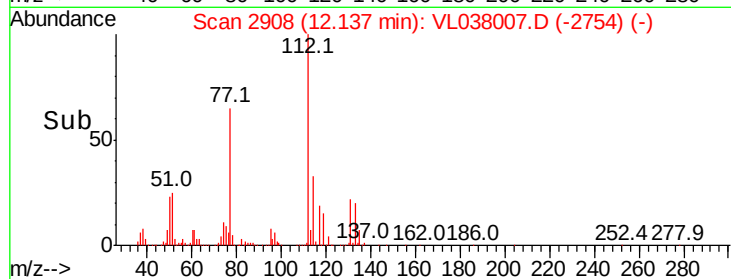
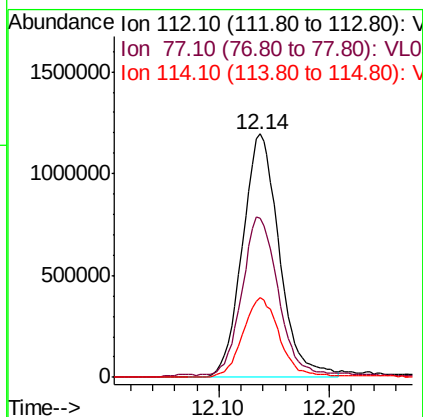
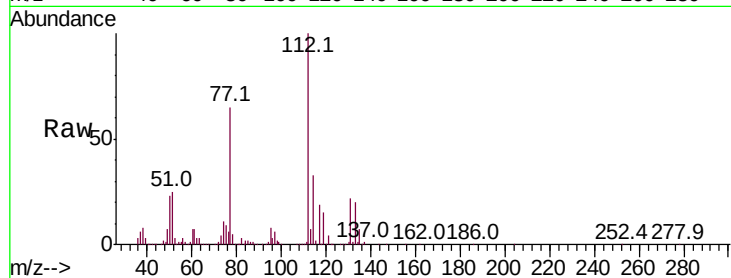




#57
Chlorobenzene
Concen: 7.118 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 Nov 2021 12:07

Tot Ion: 112 Resp: 2772773

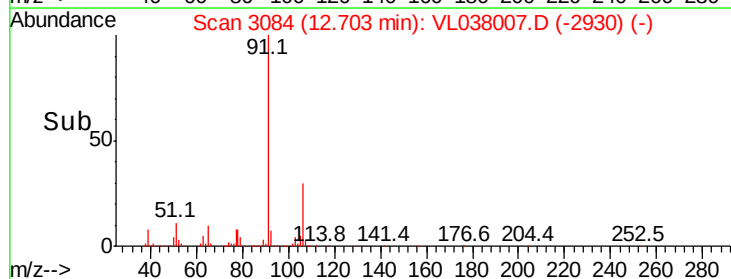
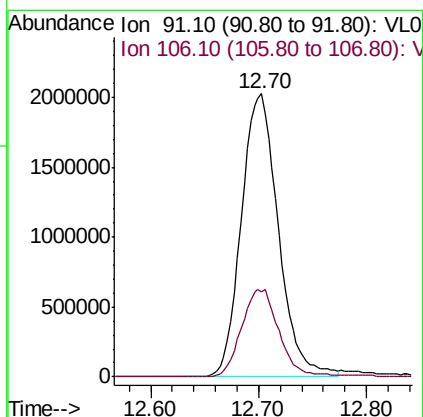
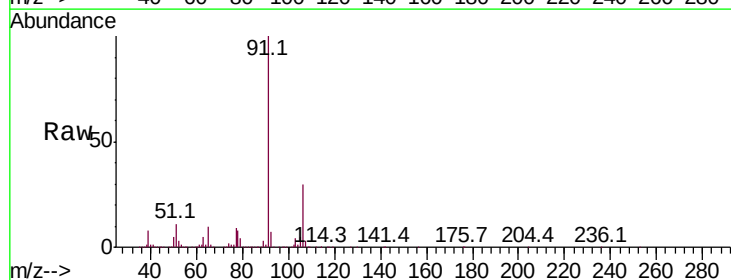
Ion	Ratio	Lower	Upper
112	100		
77	64.2	51.1	76.7
114	32.4	27.9	34.1

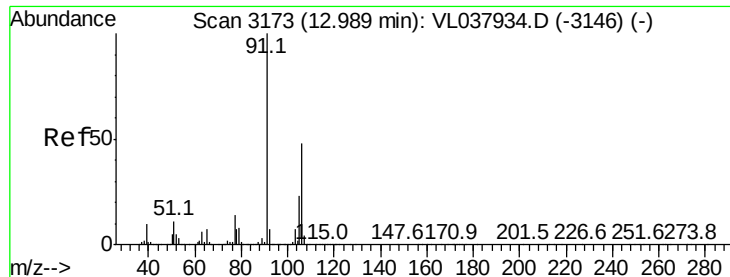


#58
Ethyl Benzene
Concen: 8.117 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: -0.00 min
Lab File: VL038007.D
Acq: 10 Nov 2021 12:07

Tgt Ion: 91 Resp: 4844592

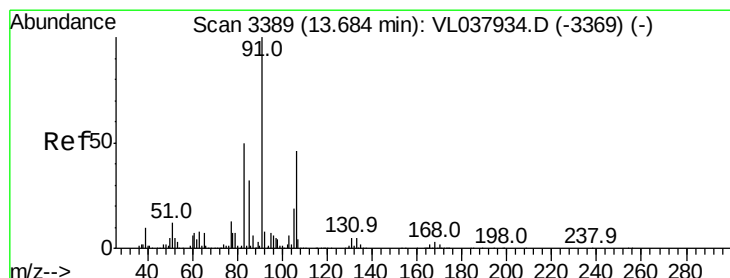
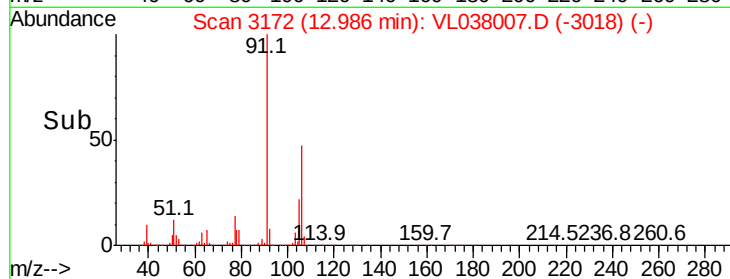
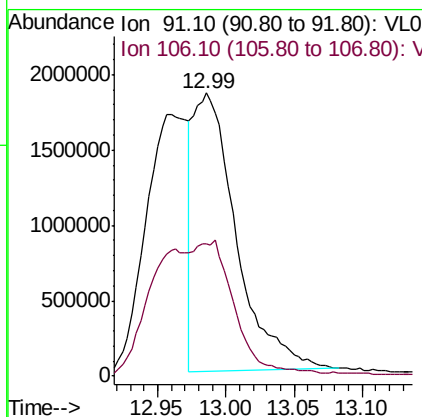
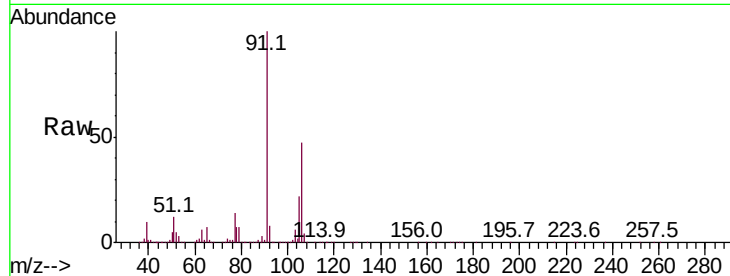
Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.1	37.7





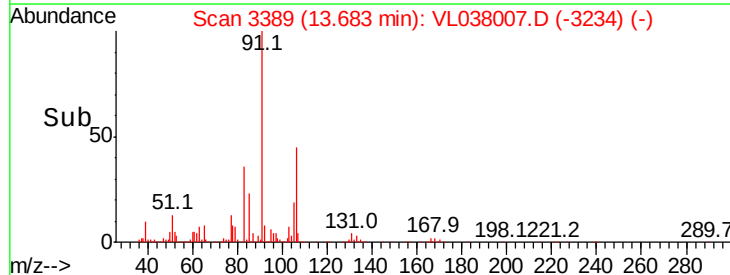
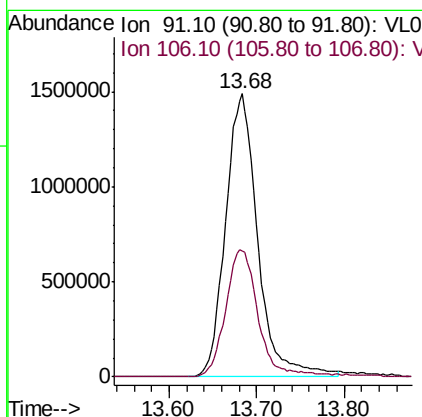
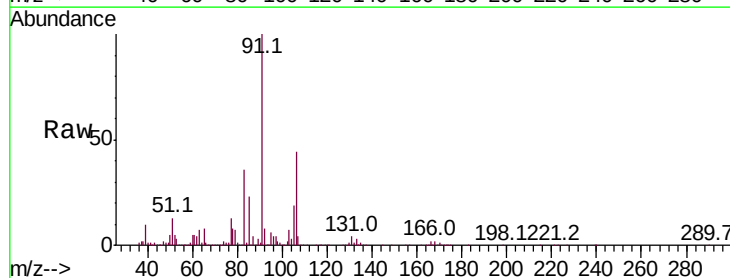
#59
m/p-Xylene
Concen: 7.588 ppbv
RT: 12.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 12:07

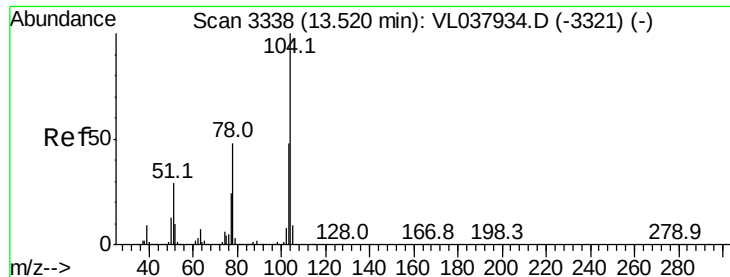
Tot Ion: 91 Resp: 4025525
Ion Ratio Lower Upper
91 100
106 93.7 37.1 55.7#



#60
o-Xylene
Concen: 7.563 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL038007.D
Acq: 10 Nov 2021 12:07

Tgt Ion: 91 Resp: 3782906
Ion Ratio Lower Upper
91 100
106 46.7 23.5 70.6





#61

Stvrene

Concen: 8.887 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 12:07

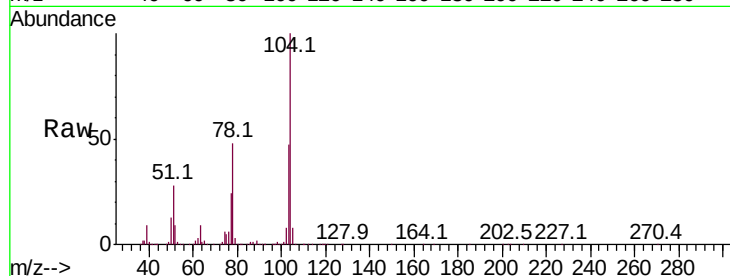
Tot Ion:104 Resp: 2041330

Ion Ratio Lower Upper

104 100

78 50.7 39.3 58.9

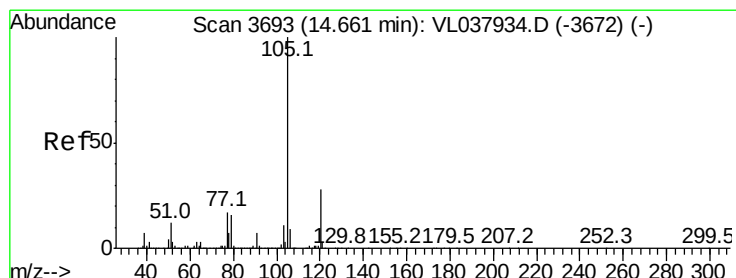
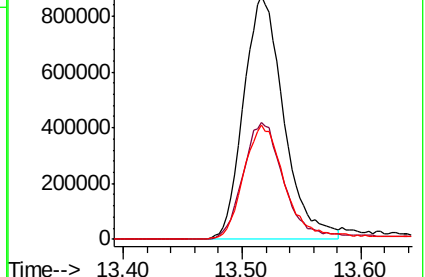
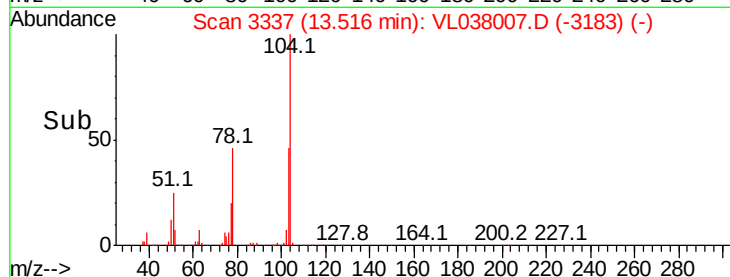
103 48.9 39.6 59.4



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: 7.054 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VL038007.D

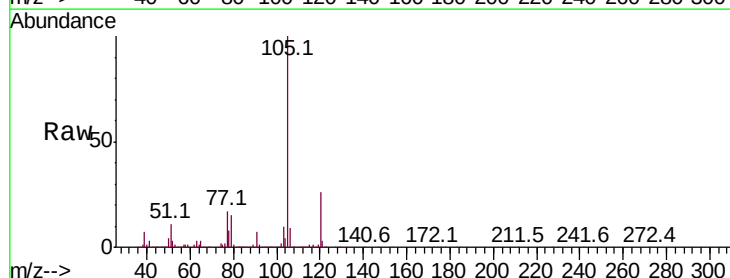
Acq: 10 Nov 2021 12:07

Tgt Ion:105 Resp: 4995923

Ion Ratio Lower Upper

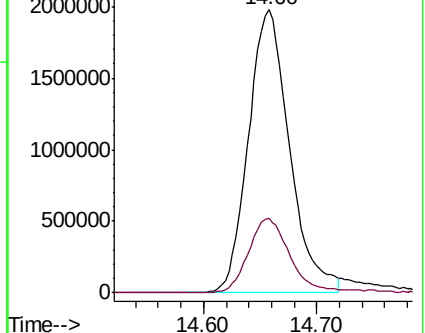
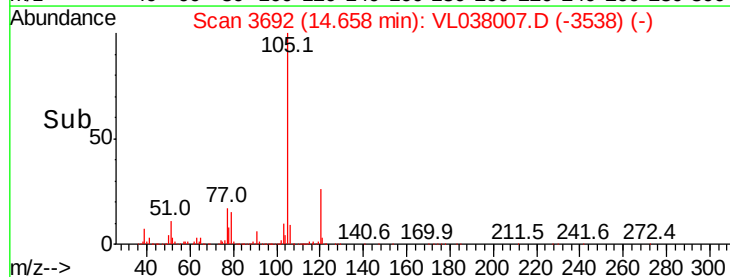
105 100

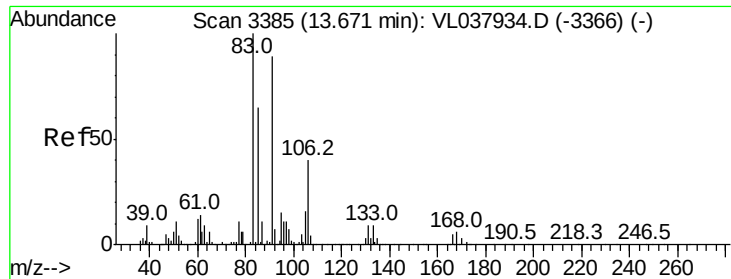
120 27.6 21.8 32.6



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: 5.956 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 12:07

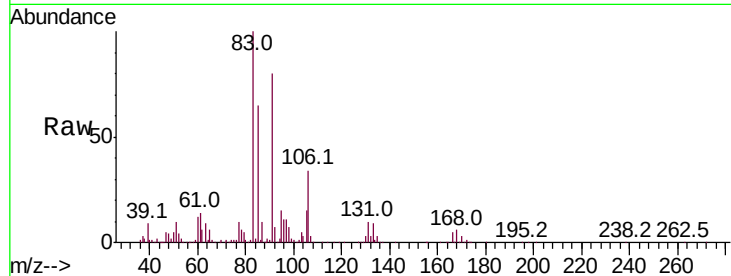
Tot Ion: 83 Resp: 2564151

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

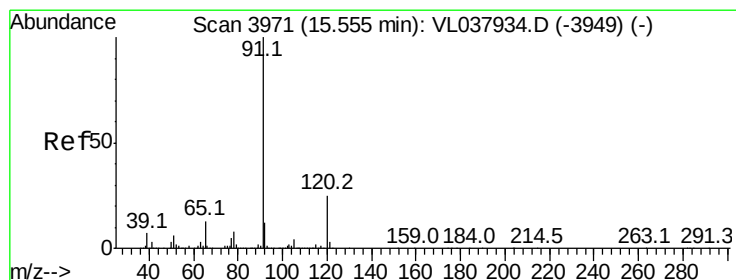
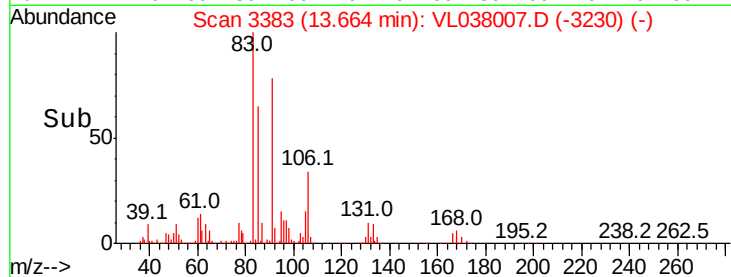
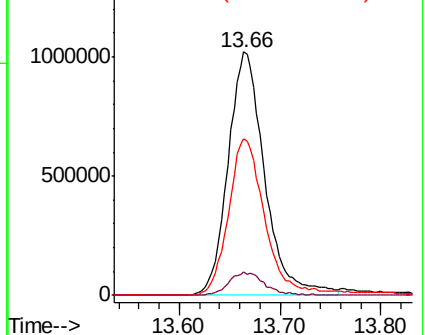
85 66.4 32.5 97.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.166 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038007.D

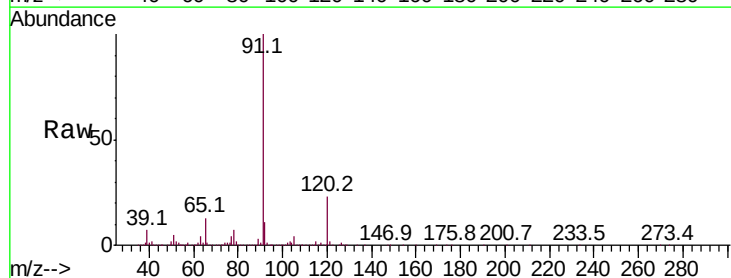
Acq: 10 Nov 2021 12:07

Tgt Ion:120 Resp: 1300364

Ion Ratio Lower Upper

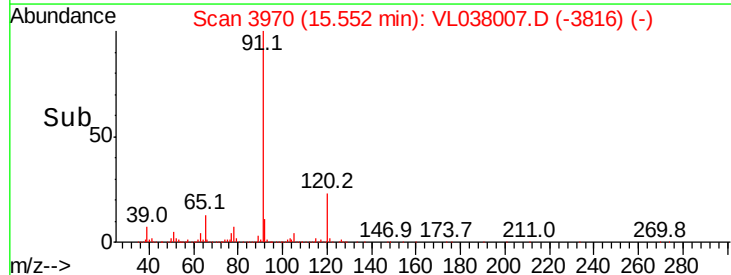
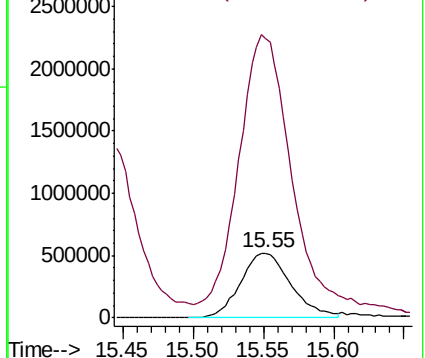
120 100

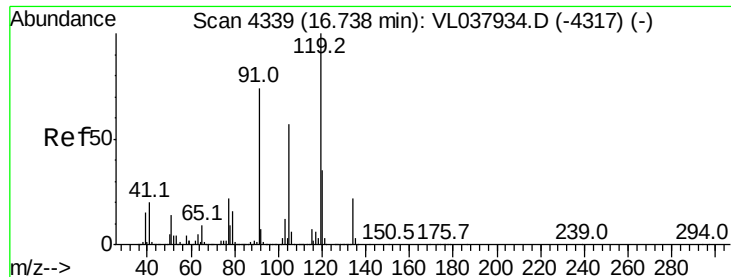
91 487.4 363.3 544.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.922 ppbv

RT: 16.73

Delta R.T. MSVOA_1

Lab File:

Acq: 10 Nov 2021 12:07

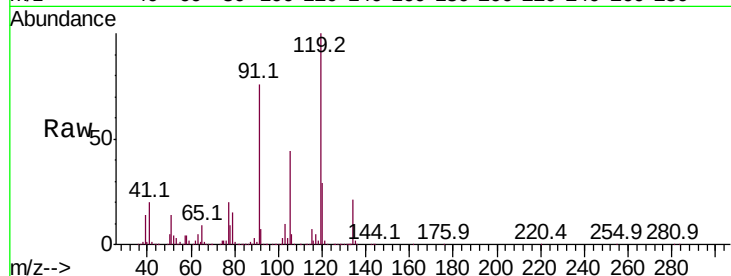
Tot Ion: 119 Resp: 4331952

Ion Ratio Lower Upper

119 100

91 77.5 61.8 92.6

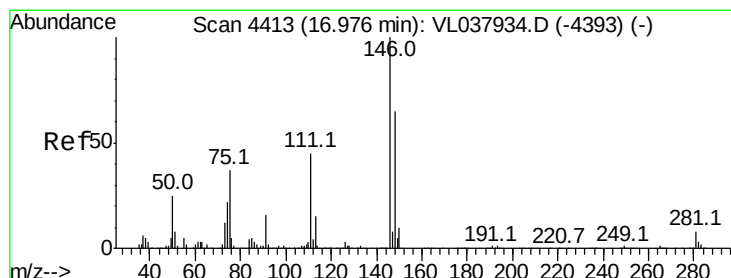
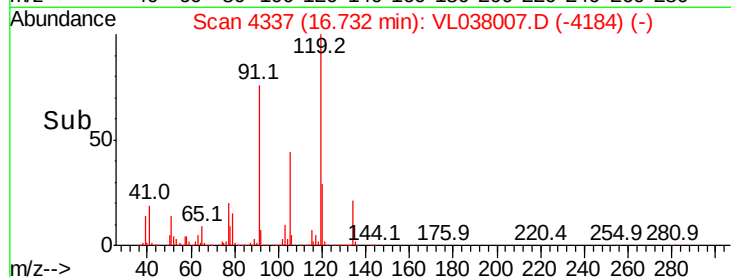
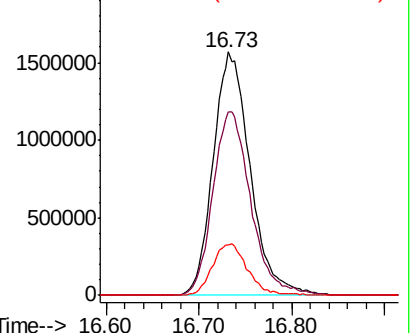
134 20.4 16.6 25.0



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: 8.124 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

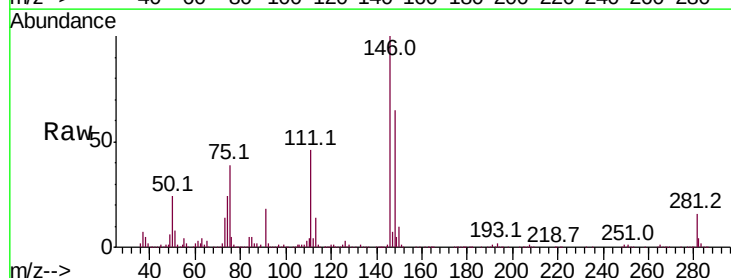
Tgt Ion: 91 Resp: 265672

Ion Ratio Lower Upper

91 100

126 19.1 13.8 20.6

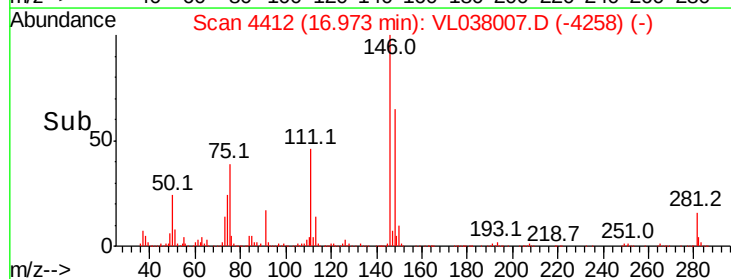
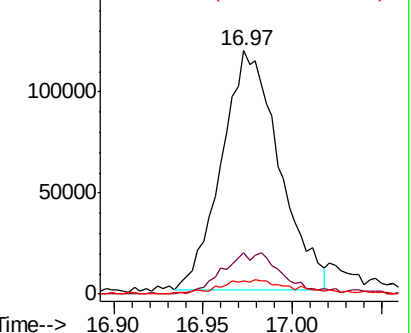
128 8.1 5.1 7.7#

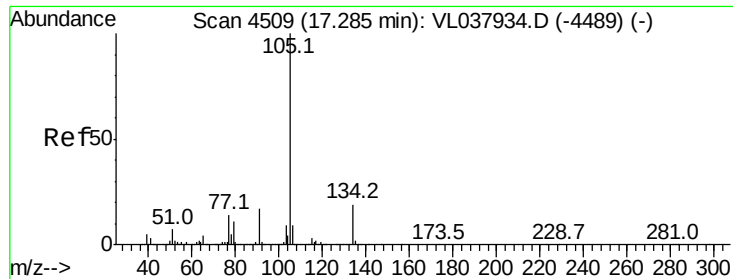


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.920 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

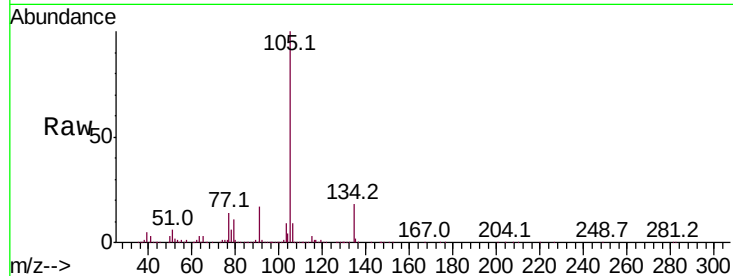
Acq: 10 Nov 2021 12:07

Tot Ion:105 Resp: 5967257

Ion Ratio Lower Upper

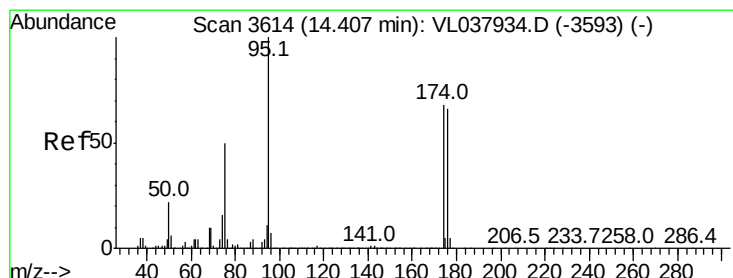
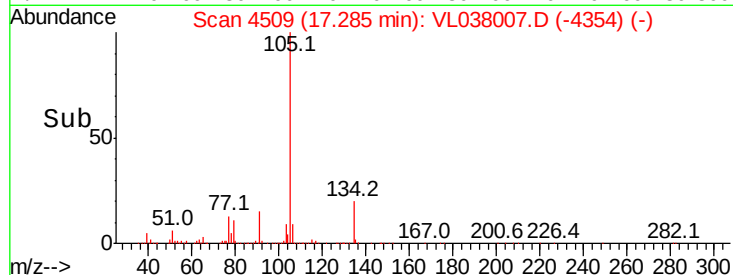
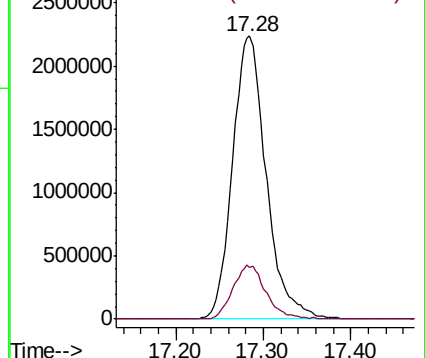
105 100

134 18.9 15.4 23.0



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: 8.203 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

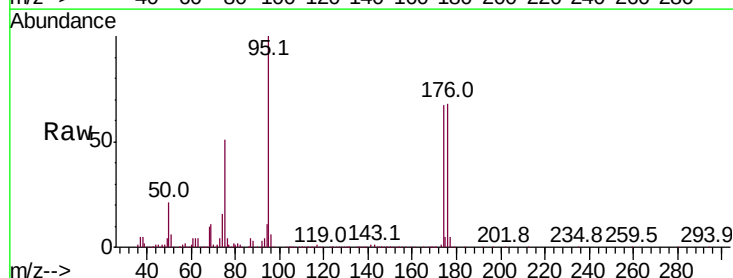
Tgt Ion: 95 Resp: 2909958

Ion Ratio Lower Upper

95 100

174 75.0 58.3 87.5

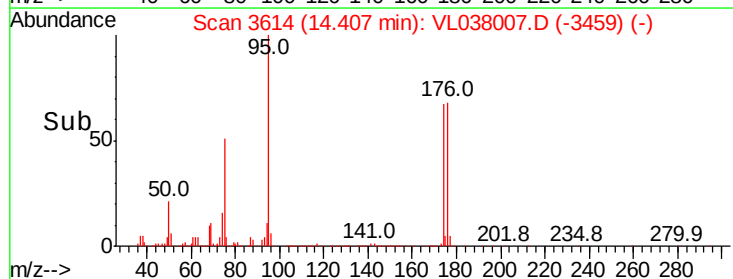
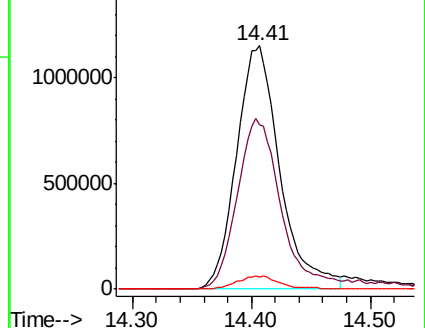
175 5.3 4.6 6.8

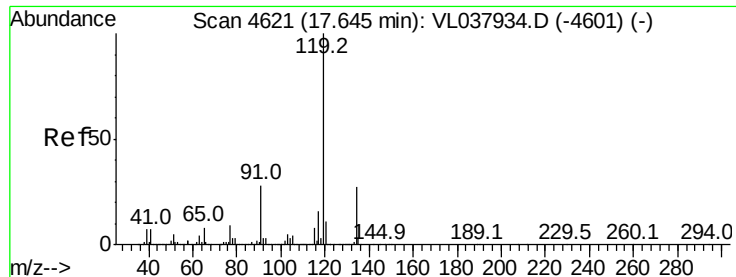


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

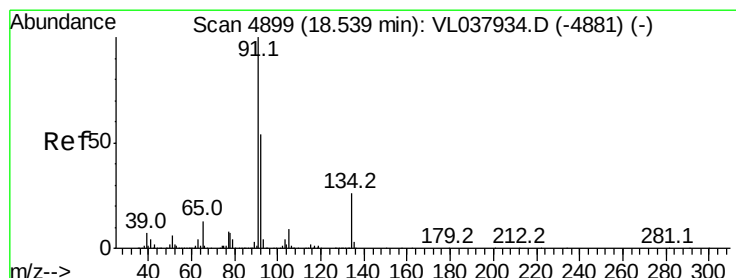
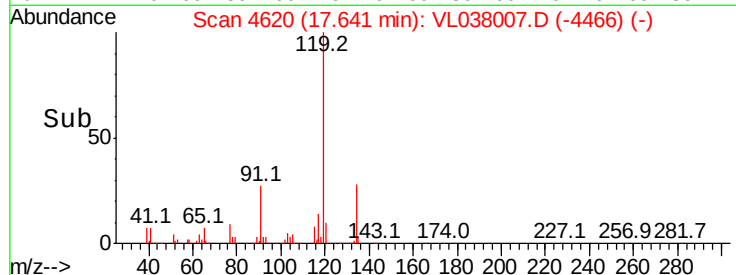
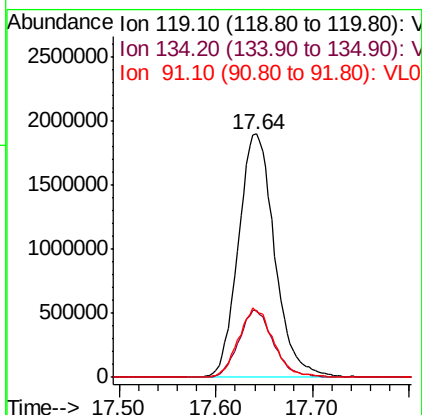
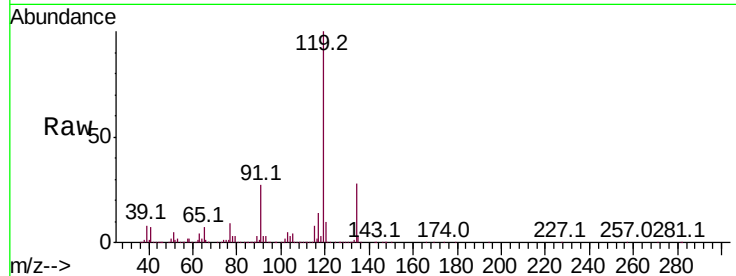
Ion 175.00 (174.70 to 175.70): V





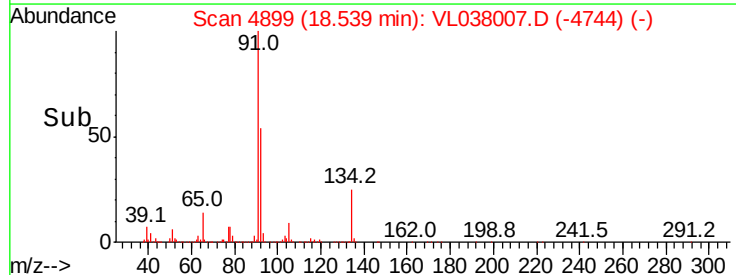
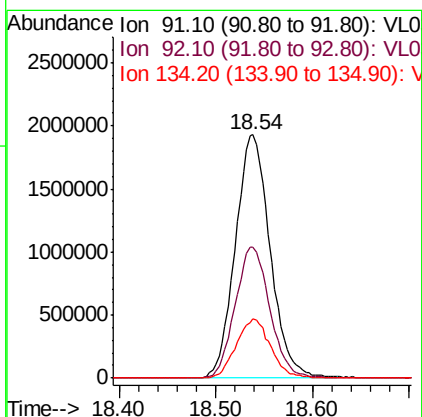
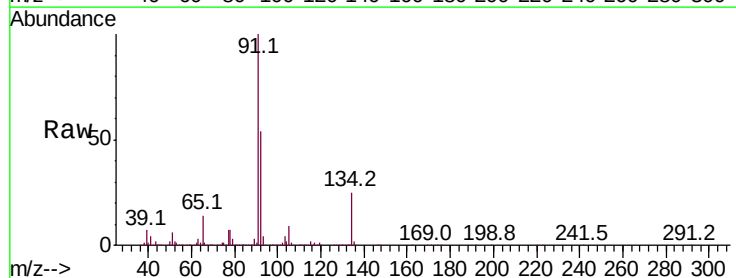
#69
 p-Isopropyltoluene
 Concen: 7.155 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 12:07

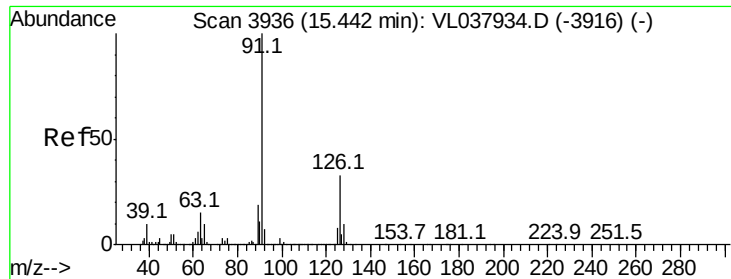
Tot Ion: 119 Resp: 4948884
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.0 31.4
 91 27.2 21.8 32.8



#70
 n-Butylbenzene
 Concen: 7.581 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: -0.00 min
 Lab File: VL038007.D
 Acq: 10 Nov 2021 12:07

Tgt Ion: 91 Resp: 4818454
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.6 65.4
 134 24.1 19.8 29.6





#71

2-Chlorotoluene

Concen: 7.175 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File:

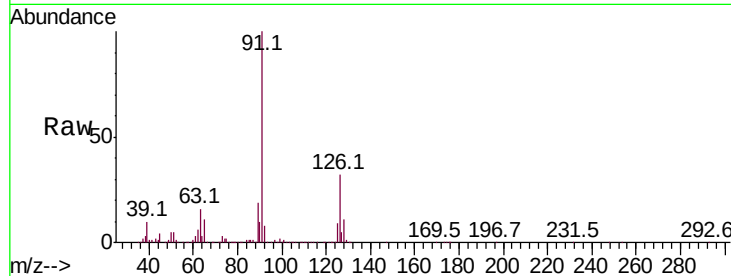
Acq: 10 Nov 2021 12:07

Tot Ion: 91 Resp: 3560143

Ion Ratio Lower Upper

91 100

126 34.4 13.3 53.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

1000000

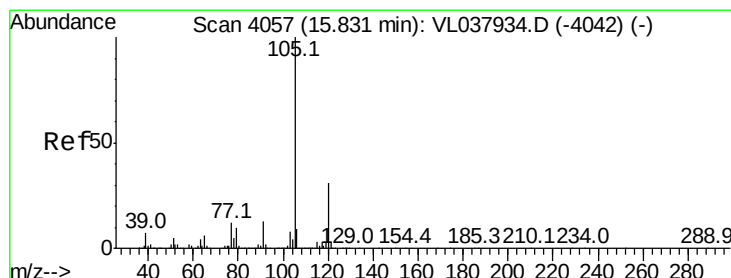
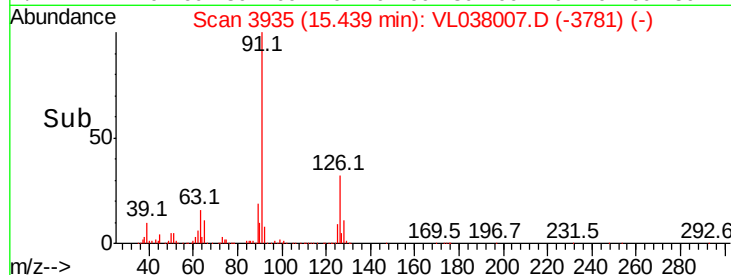
500000

0

15.44

15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.627 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

Tgt Ion: 105 Resp: 4369935

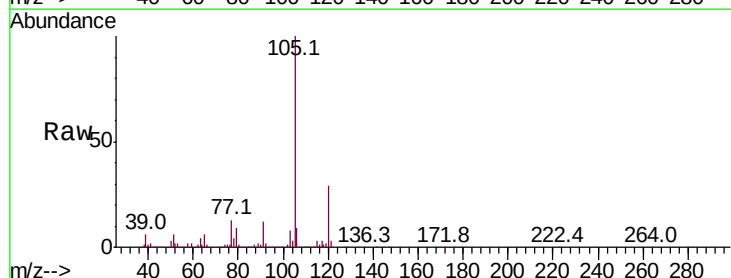
Ion Ratio Lower Upper

105 100

120 30.1 25.3 37.9

91 11.5 9.9 14.9

77 13.0 10.7 16.1



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

2500000

2000000

1500000

1000000

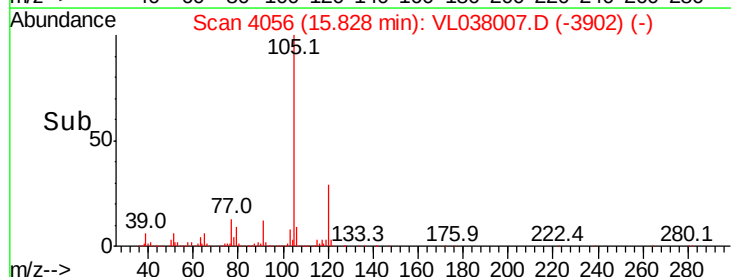
500000

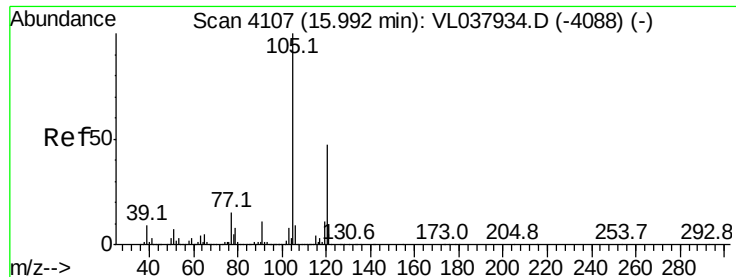
0

15.83

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 6.960 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

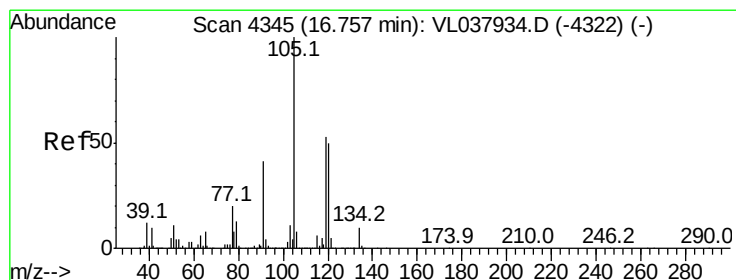
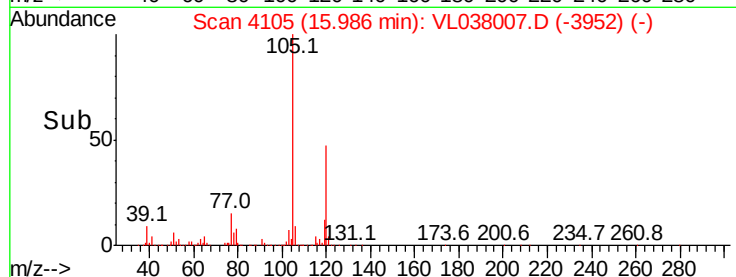
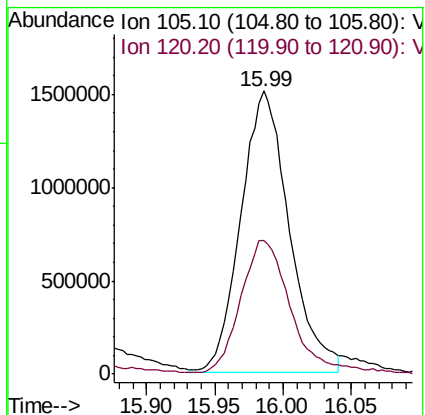
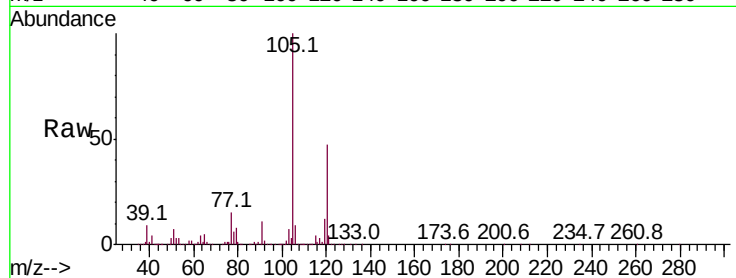
Acq: 10 Nov 2021 12:07

Tot Ion:105 Resp: 3734342

Ion Ratio Lower Upper

105 100

120 47.2 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 7.020 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

Tgt Ion:105 Resp: 3946491

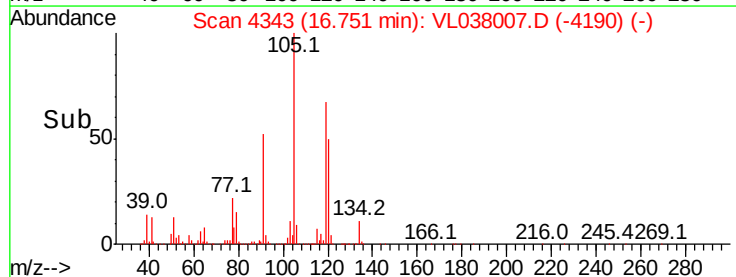
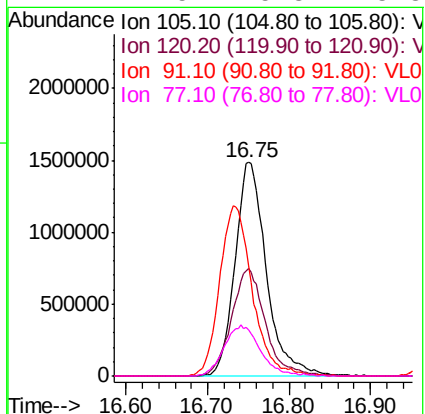
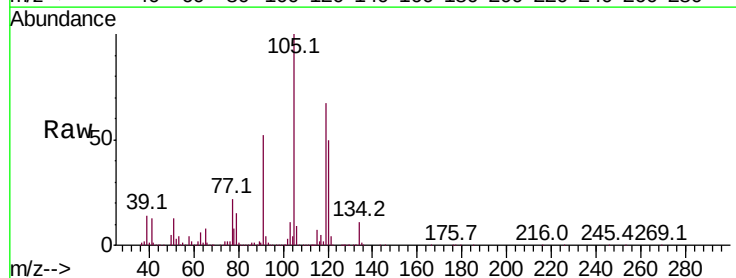
Ion Ratio Lower Upper

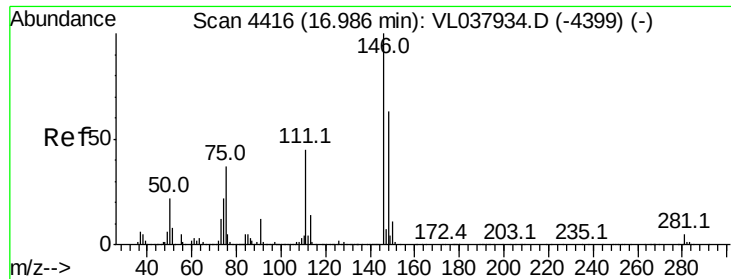
105 100

120 50.1 40.0 60.0

91 51.4 32.6 49.0#

77 21.5 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 6.615 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 12:07

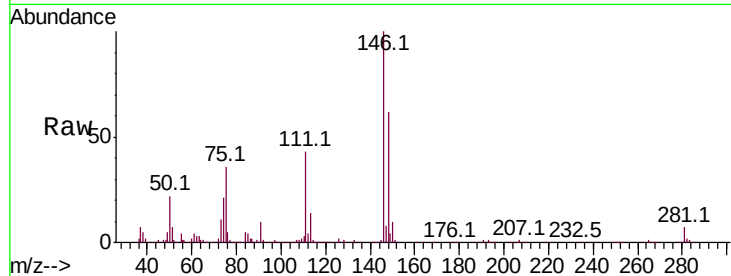
Tot Ion:146 Resp: 2315153

Ion Ratio Lower Upper

146 100

111 45.8 22.7 68.1

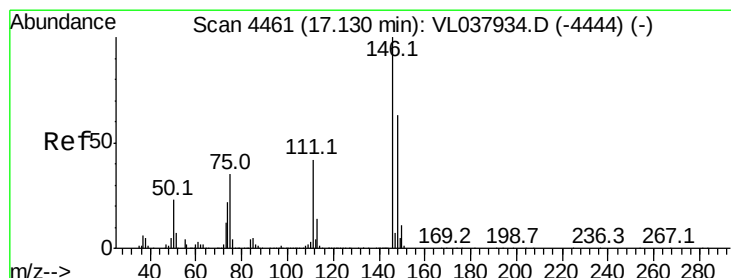
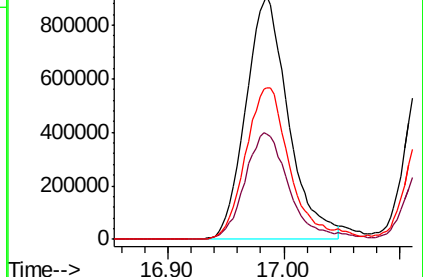
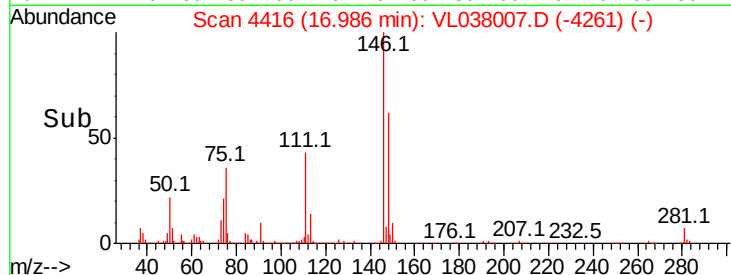
148 65.1 32.4 97.0



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: 6.770 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.01 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

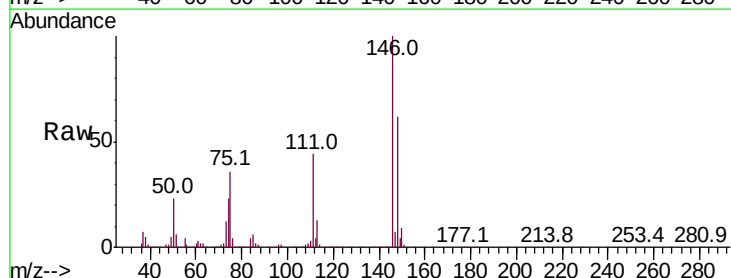
Tgt Ion:146 Resp: 2292894

Ion Ratio Lower Upper

146 100

111 43.9 22.7 68.1

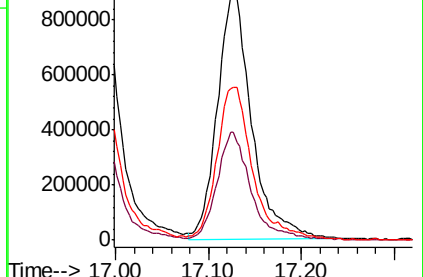
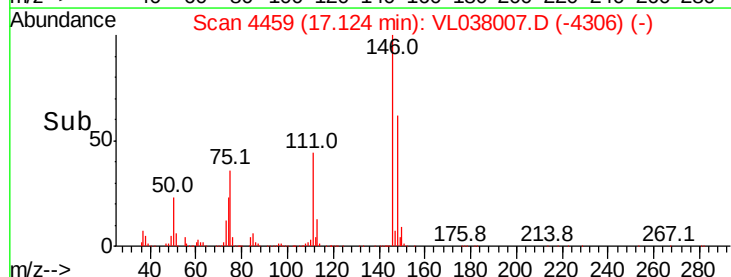
148 65.8 33.5 100.4

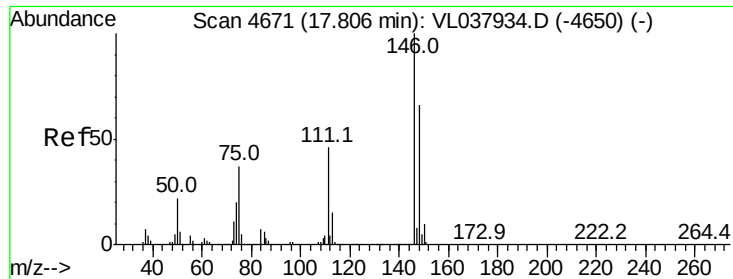


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.679 ppbv

RT: 17.80

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 12:07

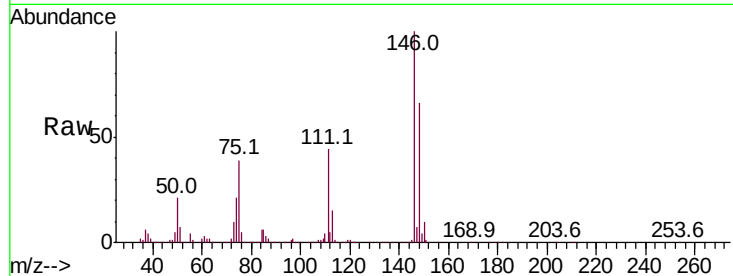
Tot Ion:146 Resp: 2195092

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.2

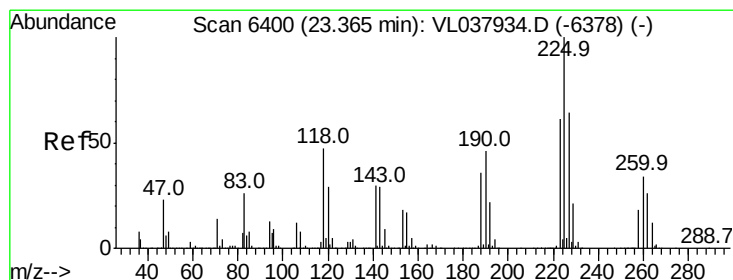
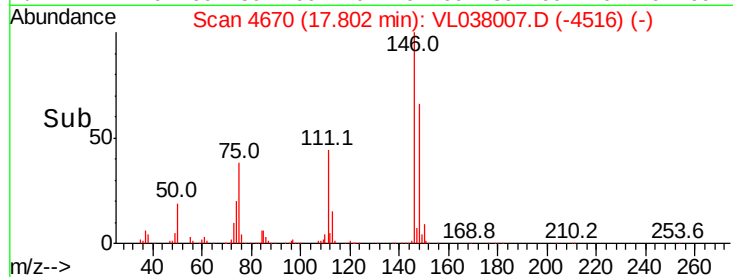
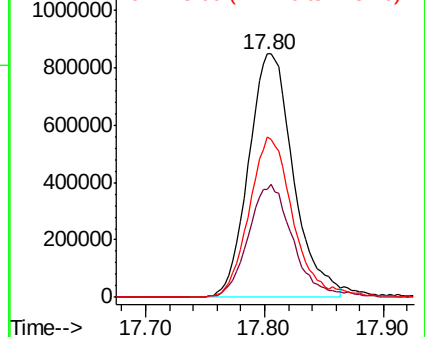
148 65.1 32.6 97.7



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: 6.580 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

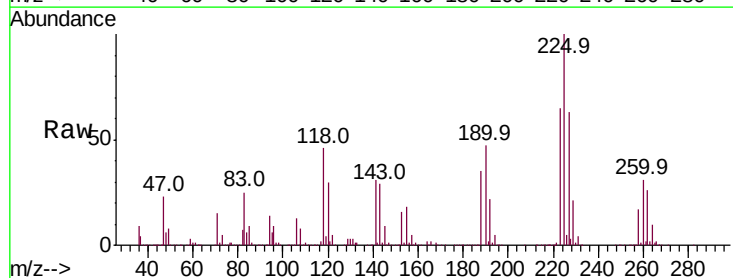
Tgt Ion:225 Resp: 1851037

Ion Ratio Lower Upper

225 100

223 63.7 50.0 75.0

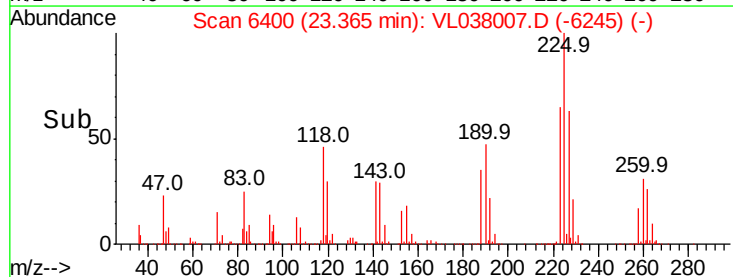
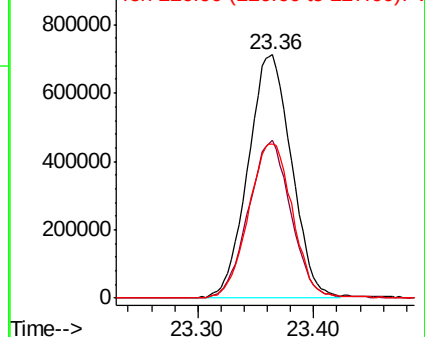
227 64.9 51.5 77.3

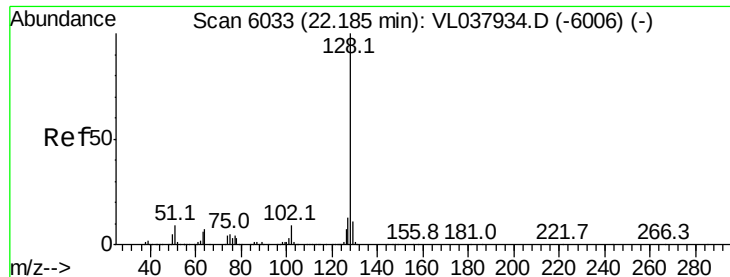


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.080 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 10 Nov 2021 12:07

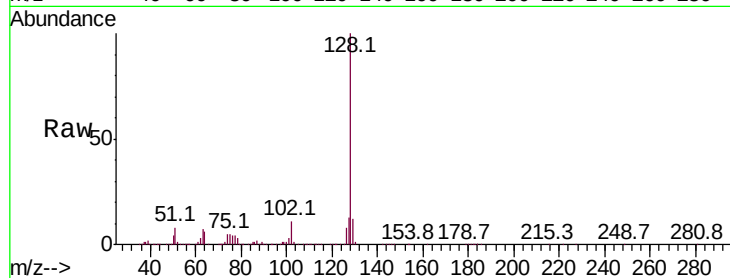
Tot Ion:128 Resp: 3264661

Ion Ratio Lower Upper

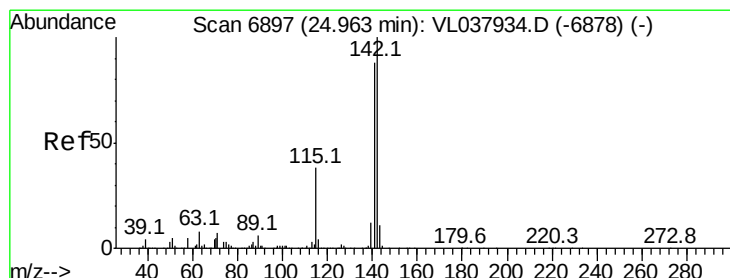
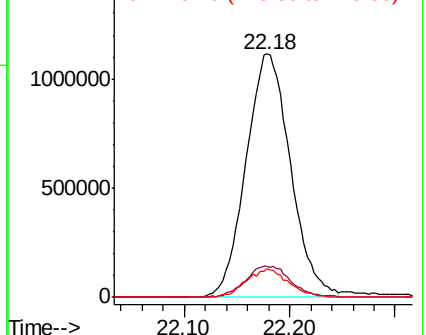
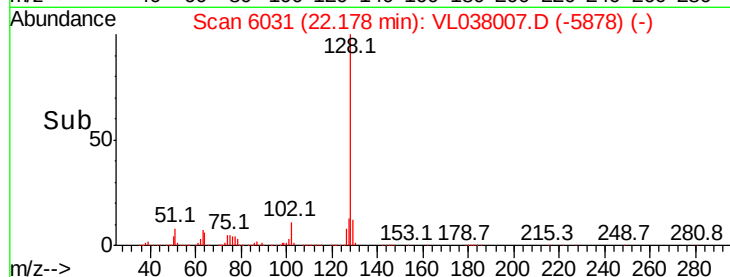
128 100

127 12.9 10.2 15.2

129 11.7 9.0 13.4



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: 12.489 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL038007.D

Acq: 10 Nov 2021 12:07

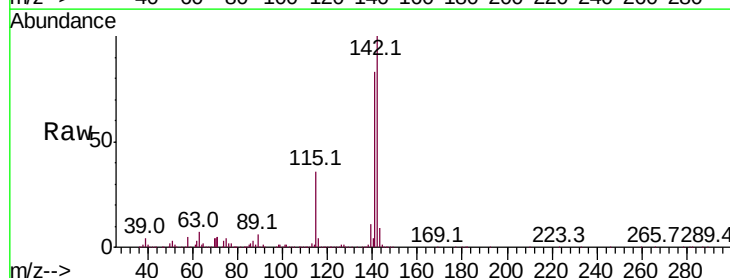
Tgt Ion:142 Resp: 787401

Ion Ratio Lower Upper

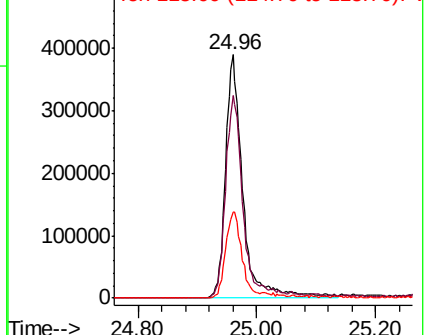
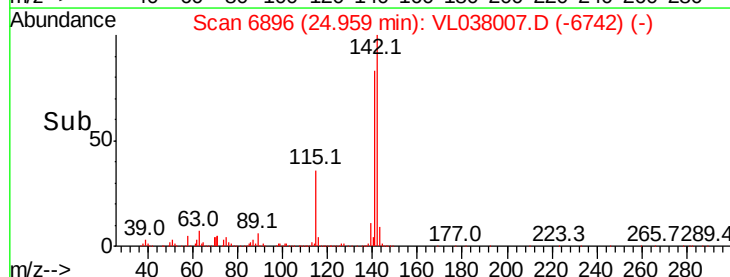
142 100

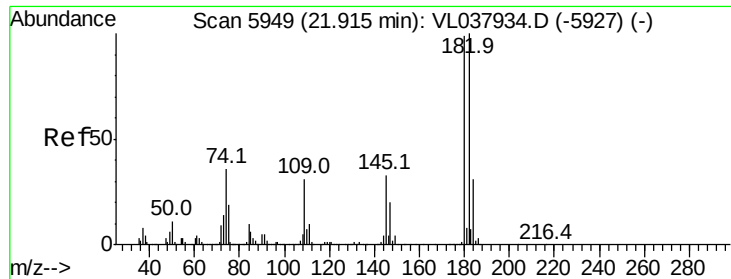
141 84.6 66.4 99.6

115 36.1 29.0 43.4



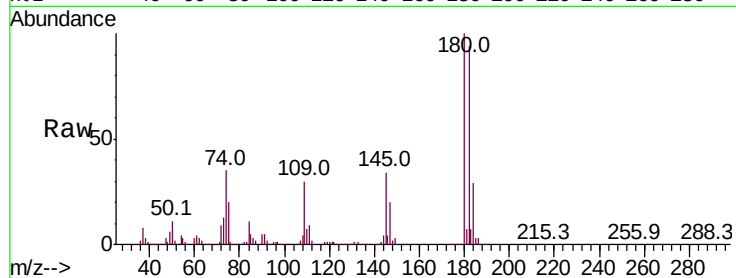
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.838 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 12:07

Tot Ion:180 Resp: 1863173
 Ion Ratio Lower Upper
 180 100
 182 99.0 79.3 118.9
 184 30.5 25.3 37.9



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

