

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL038005.D
 Acq On : 10 Nov 2021 7:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 08:28:16 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)
1) Bromochloromethane	5.67	49	1426117	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4141590	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3615450	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2618134	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1941134	9.661	ppbv 96
3) Chlorodifluoromethane	3.00	51	2452561	9.238	ppbv 99
4) Chloromethane	3.15	50	853412	8.458	ppbv 100
5) Vinyl Chloride	3.26	62	870515	8.952	ppbv 99
6) Bromomethane	3.48	94	291496	5.549	ppbv 96
7) Chloroethane	3.56	64	296747	8.454	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	1992658	8.609	ppbv 99
9) Propene	3.02	41	878996	9.234	ppbv 97
10) Heptane	8.12	43	2152246	9.719	ppbv 98
11) Trichlorofluoromethane	3.95	101	1748316	8.738	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1384620	8.878	ppbv 100
13) Ethanol	3.61	45	41756	4.348	ppbv # 36
14) Bromoethene	3.74	108	610431	8.947	ppbv 98
15) Acetone	3.85	43	1019401	8.650	ppbv 100
16) 1,3-Butadiene	3.33	39	929334	10.008	ppbv 92
17) tert-Butyl alcohol	4.29	59	1160330	9.470	ppbv 97
18) 1,1-Dichloroethene	4.29	96	617823	8.607	ppbv 96
19) Isopropyl Alcohol	3.97	45	698525	9.269	ppbv # 91
20) Methylene Chloride	4.35	84	505082	7.807	ppbv 99
21) Allyl Chloride	4.42	41	854090	7.855	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	628285	8.808	ppbv 95
23) Vinyl Acetate	5.07	43	1541349	8.687	ppbv # 98
24) 1,1-Dichloroethane	5.01	63	1306251	8.911	ppbv 99
25) Ethyl Acetate	5.68	43	3163768	9.039	ppbv 100
26) Hexane	5.69	57	1538448	9.277	ppbv 97
27) Carbon Disulfide	4.56	76	1467208	8.962	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1304603	9.357	ppbv 99
29) Chloroform	5.75	83	2101766	8.499	ppbv 100
30) Cyclohexane	7.13	84	1325855	9.353	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1437980	9.504	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	2037985	8.384	ppbv 99
34) 2-Butanone	5.24	43	1460076	9.514	ppbv 99
35) Carbon Tetrachloride	7.02	117	2040031	8.148	ppbv 98
36) Benzene	6.89	78	3208577	9.513	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1463589	9.128	ppbv 99
38) Trichloroethene	7.83	130	1207376	8.625	ppbv 96
39) 1,2-Dichloropropane	7.61	63	1242868	9.794	ppbv 95
40) 1,4-Dioxane	7.83	88	285797	8.551	ppbv # 1
41) Tetrahydrofuran	6.05	42	744158	9.910	ppbv 97
42) Bromodichloromethane	7.79	83	2242784	9.251	ppbv 98
43) Methyl Methacrylate	8.01	69	1193535	10.781	ppbv 98

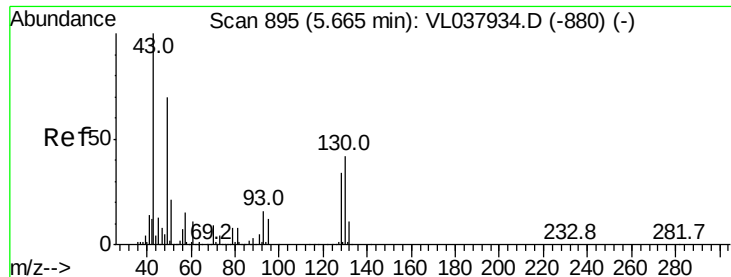
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5457059	9.513	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	365760	4.496	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	639363	5.717	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1297625	9.101	ppbv	99
48) Dibromochloromethane	10.30	129	1982028	9.818	ppbv	99
49) Bromoform	13.04	173	1693529	10.613	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2219599	11.008	ppbv	100
51) 2-Hexanone	10.13	43	1106156	13.016	ppbv #	96
52) Tetrachloroethene	11.22	164	1173726	9.174	ppbv	98
53) Toluene	9.80	91	3651180	10.098	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1640225	8.919	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1415634	9.698	ppbv #	59
57) Chlorobenzene	12.14	112	2659787	9.217	ppbv #	97
58) Ethyl Benzene	12.71	91	4672133	10.567	ppbv	99
59) m/p-Xylene	12.99	91	4071039	10.359	ppbv #	36
60) o-Xylene	13.69	91	3675759	9.921	ppbv	100
61) Styrene	13.52	104	1945757	11.435	ppbv	98
62) Isopropylbenzene	14.66	105	5267601	10.040	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2745979	8.611	ppbv	98
64) n-propylbenzene	15.55	120	1412946	10.511	ppbv	99
65) tert-Butylbenzene	16.74	119	4628380	9.983	ppbv	100
66) Benzyl Chloride	16.98	91	47518	1.961	ppbv #	46
67) sec-Butylbenzene	17.29	105	6490549	10.161	ppbv	100
69) p-Isopropyltoluene	17.64	119	5378990	10.498	ppbv	99
70) n-Butylbenzene	18.54	91	5178958	11.000	ppbv	99
71) 2-Chlorotoluene	15.45	91	3939492	10.717	ppbv	100
72) 4-Ethyltoluene	15.83	105	4454673	10.495	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3938937	9.909	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4075665	9.787	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2576085	9.935	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2447465	9.755	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2495800	10.251	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1917933	9.204	ppbv	99
79) Naphthalene	22.18	128	2923742	12.186	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	611630	13.095	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1822131	11.668	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 7:56

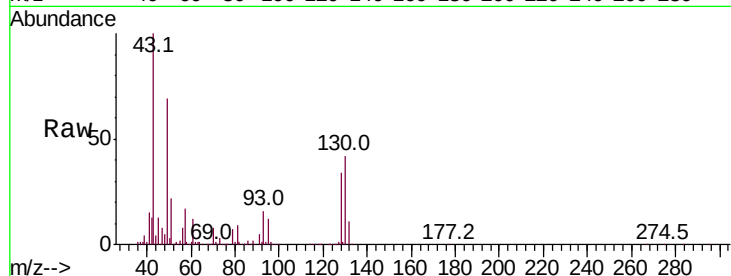
Tot Ion: 49 Resp: 1426117

Ion Ratio Lower Upper

49 100

128 54.4 27.0 81.0

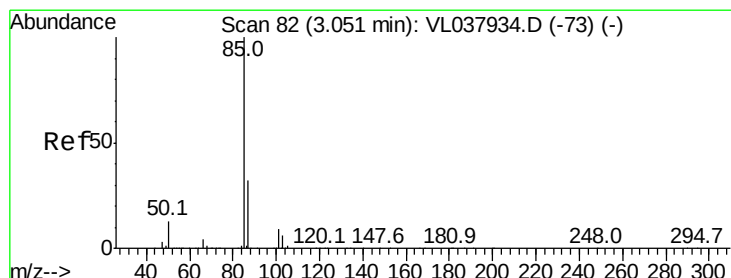
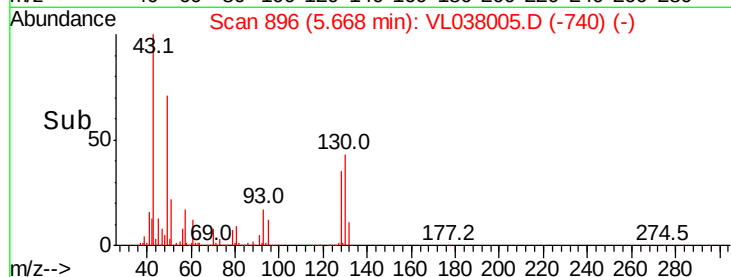
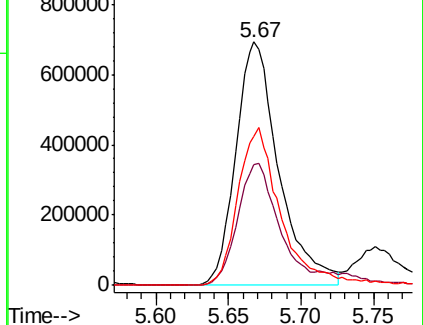
130 66.2 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.661 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038005.D

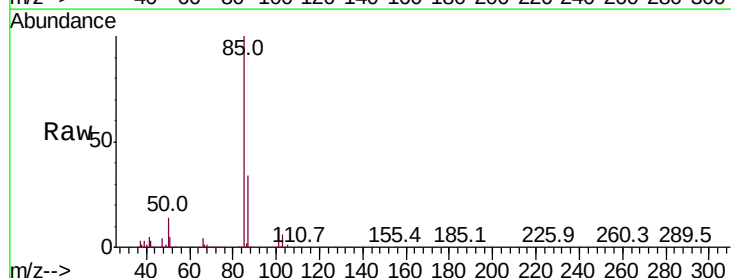
Acq: 10 Nov 2021 7:56

Tgt Ion: 85 Resp: 1941134

Ion Ratio Lower Upper

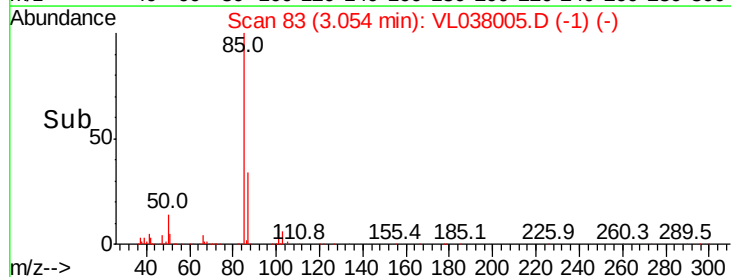
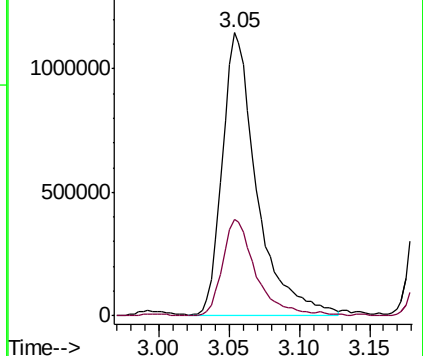
85 100

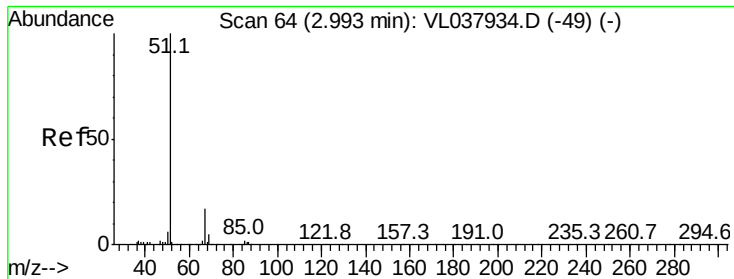
87 34.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.238 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

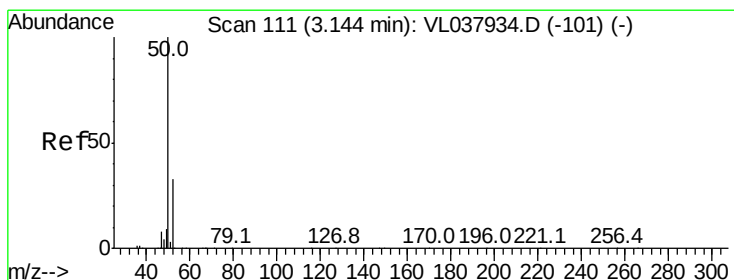
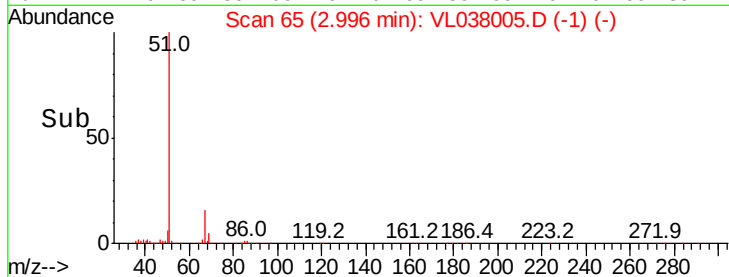
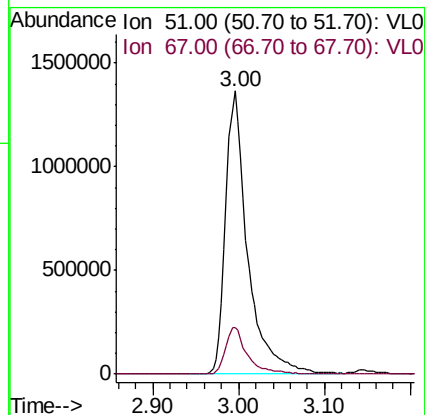
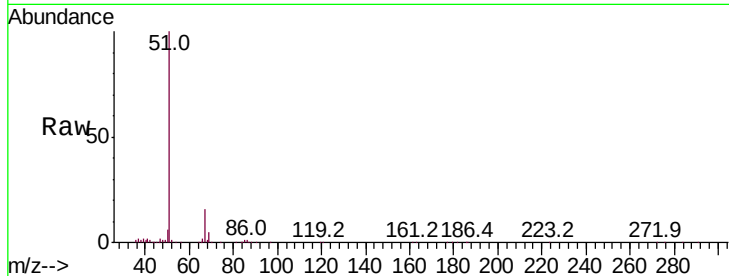
Acq: 10 Nov 2021 7:56

Tot Ion: 51 Resp: 2452561

Ion Ratio Lower Upper

51 100

67 16.4 13.4 20.0



#4

Chloromethane

Concen: 8.458 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038005.D

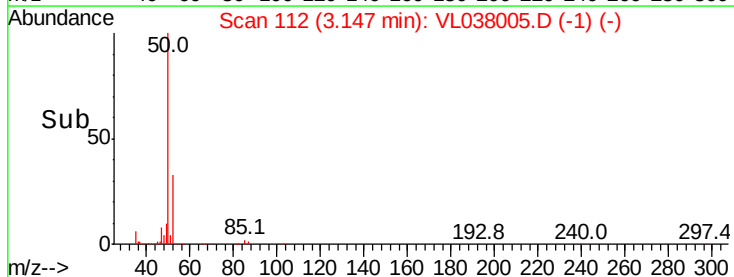
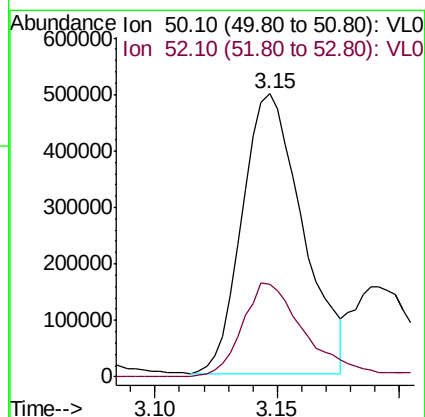
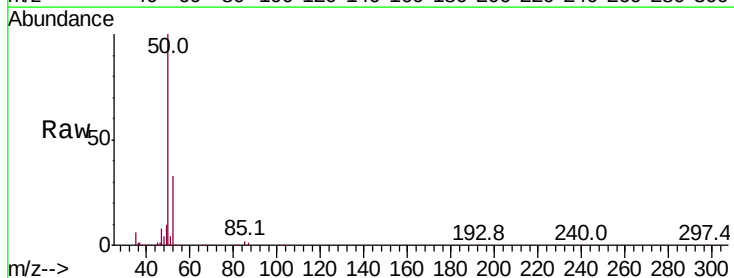
Acq: 10 Nov 2021 7:56

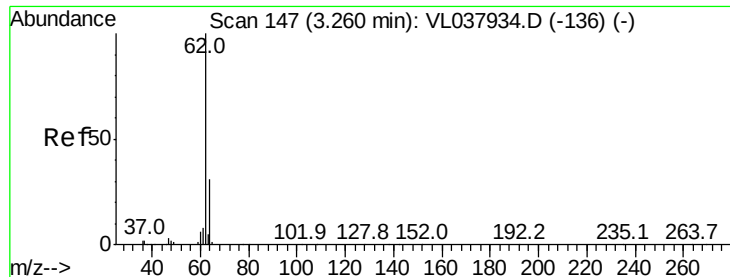
Tgt Ion: 50 Resp: 853412

Ion Ratio Lower Upper

50 100

52 33.0 26.3 39.5





#5

Vinyl Chloride

Concen: 8.952 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

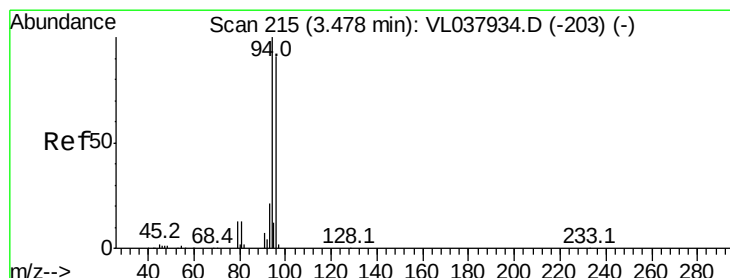
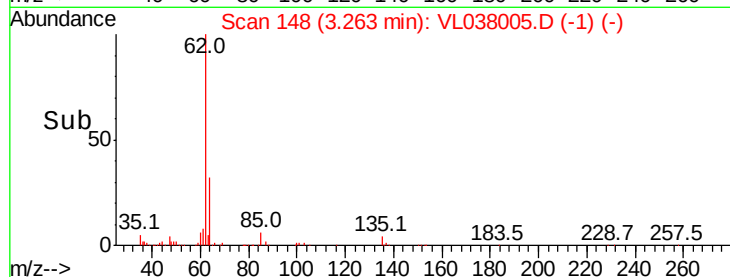
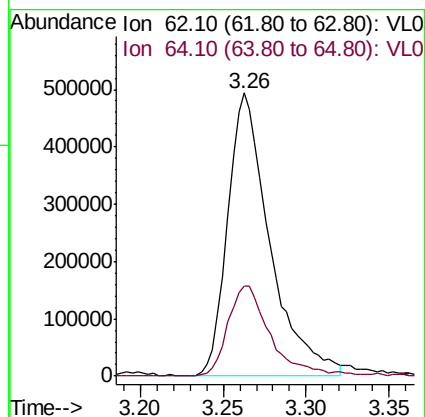
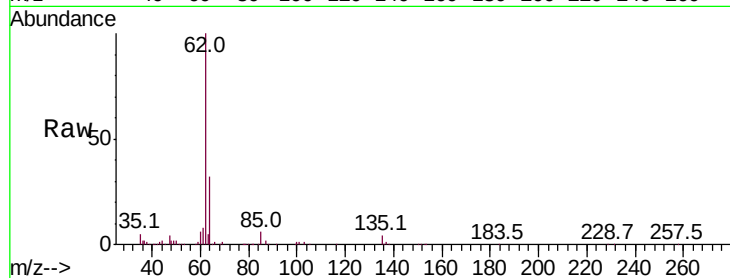
Acq: 10 Nov 2021 7:56

Tot Ion: 62 Resp: 870515

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1



#6

Bromomethane

Concen: 5.549 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038005.D

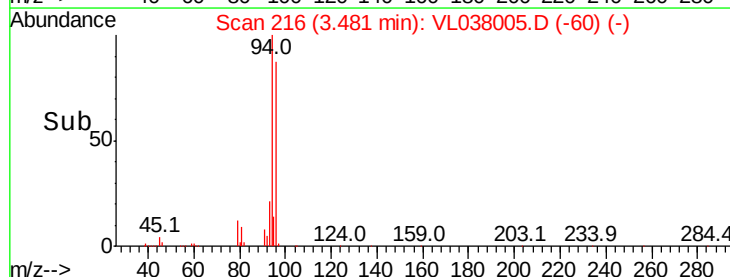
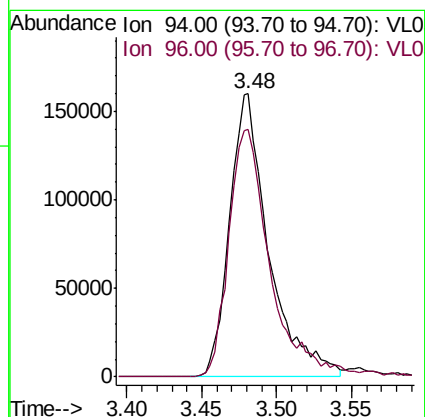
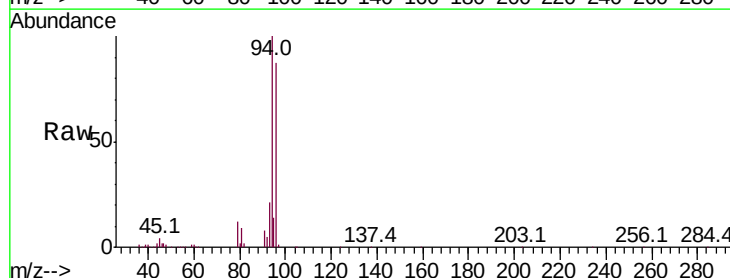
Acq: 10 Nov 2021 7:56

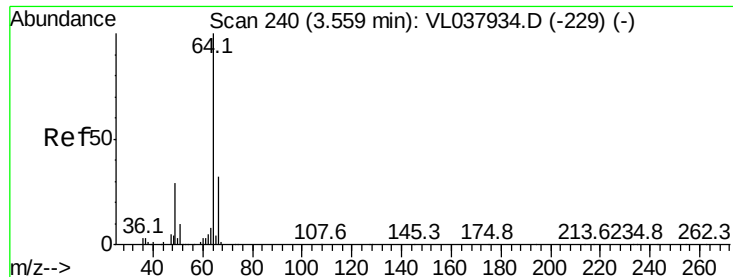
Tgt Ion: 94 Resp: 291496

Ion Ratio Lower Upper

94 100

96 87.3 73.0 109.4





#7

Chloroethane

Concen: 8.454 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

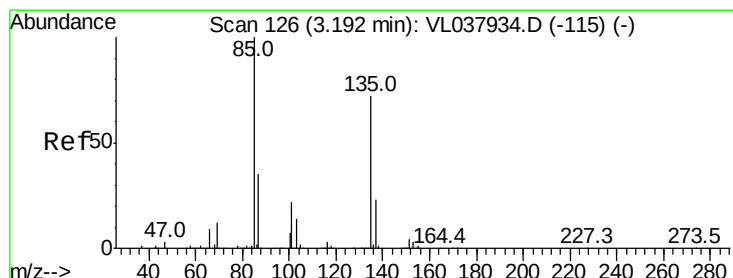
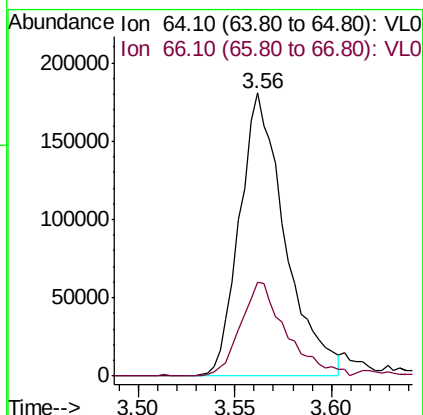
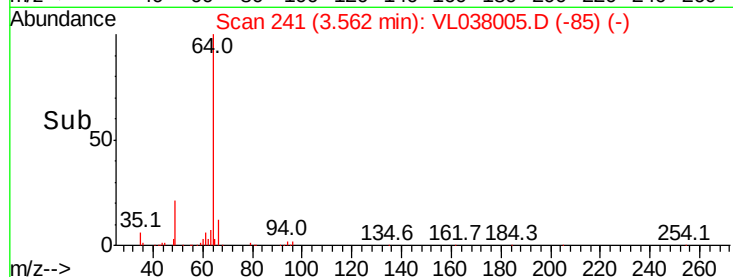
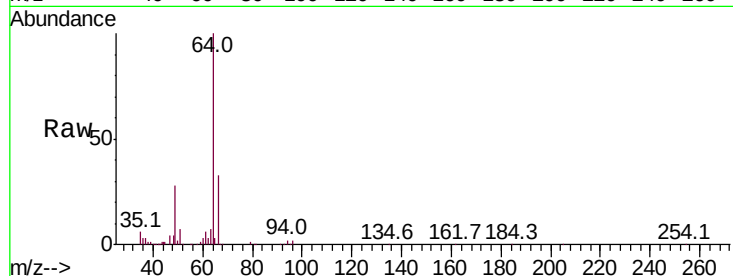
Acq: 10 Nov 2021 7:56

Tot Ion: 64 Resp: 296747

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 8.609 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL038005.D

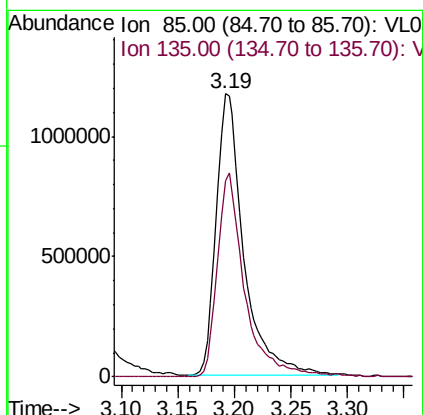
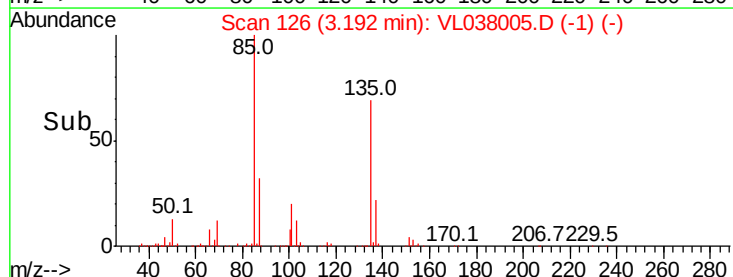
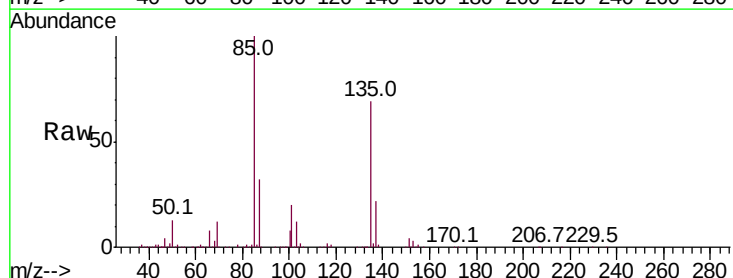
Acq: 10 Nov 2021 7:56

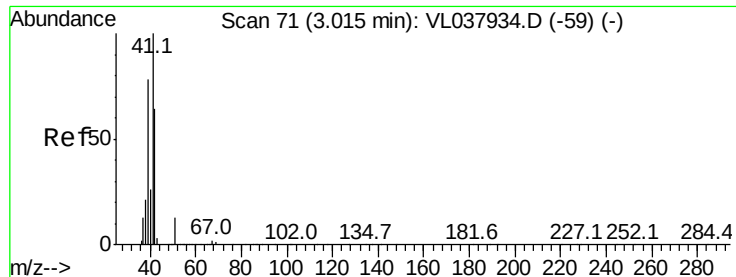
Tgt Ion: 85 Resp: 1992658

Ion Ratio Lower Upper

85 100

135 72.5 58.8 88.2





#9

Propene

Concen: 9.234 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

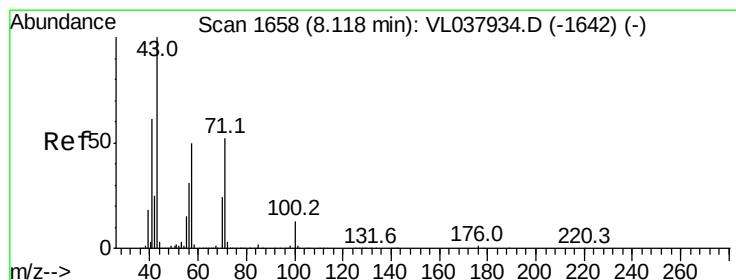
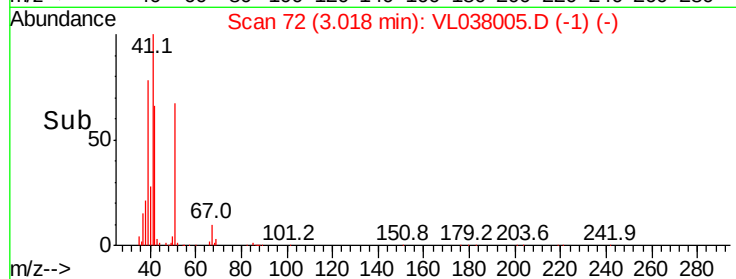
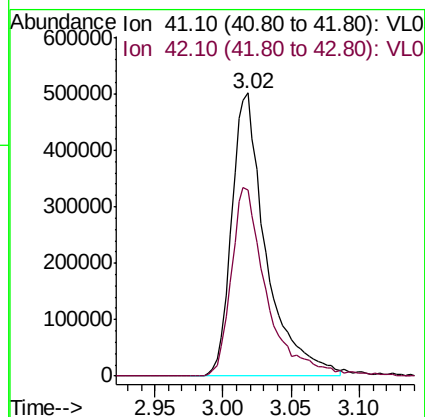
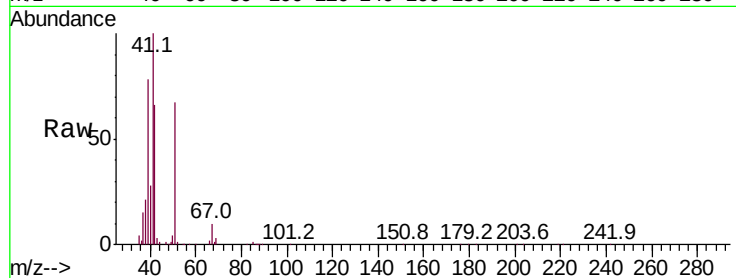
Acq: 10 Nov 2021 7:58

Tot Ion: 41 Resp: 878996

Ion Ratio Lower Upper

41 100

42 69.3 57.6 86.4



#10

Heptane

Concen: 9.719 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL038005.D

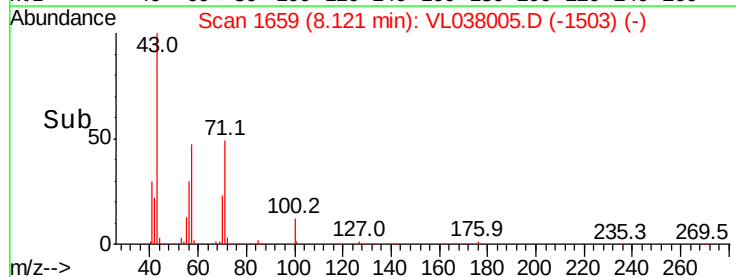
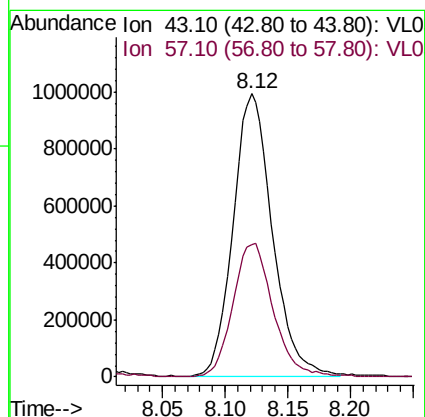
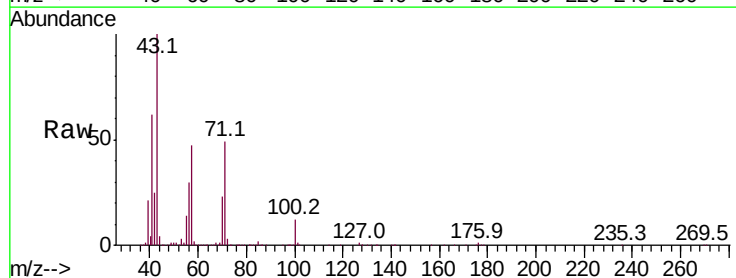
Acq: 10 Nov 2021 7:56

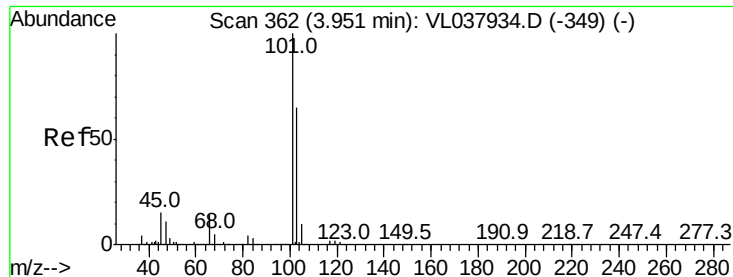
Tgt Ion: 43 Resp: 2152246

Ion Ratio Lower Upper

43 100

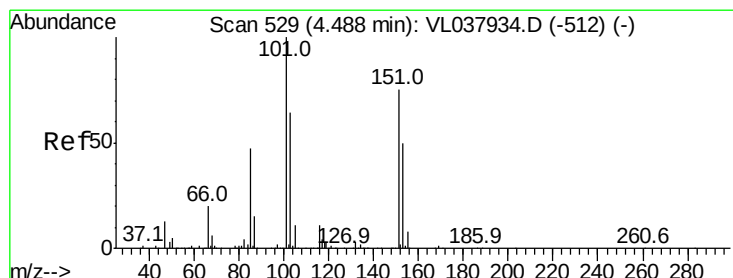
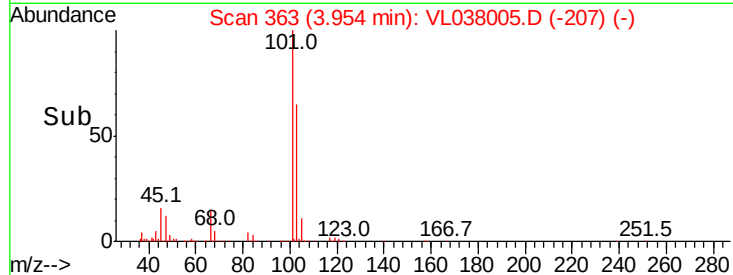
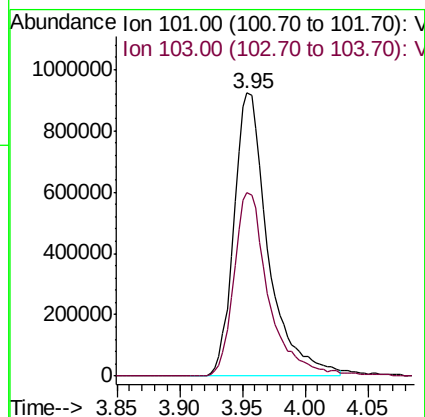
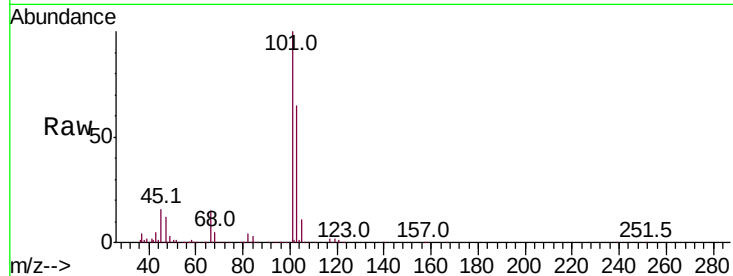
57 48.7 39.8 59.8





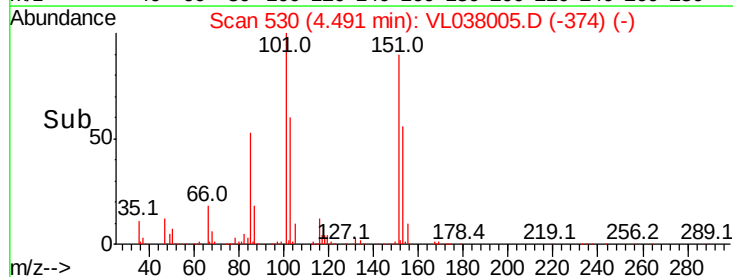
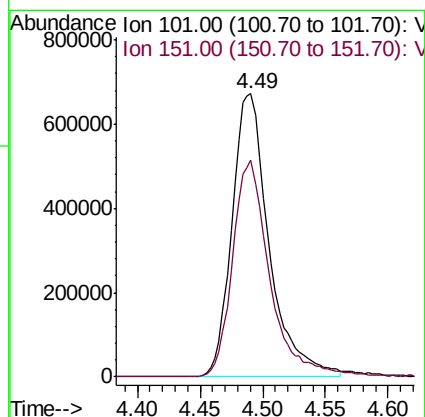
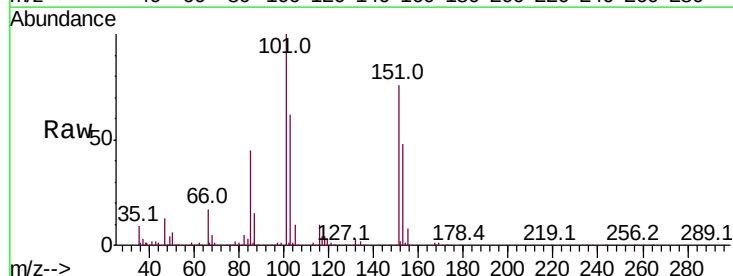
#11
 Trichlorofluoromethane
 Concen: 8.738 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 7:56

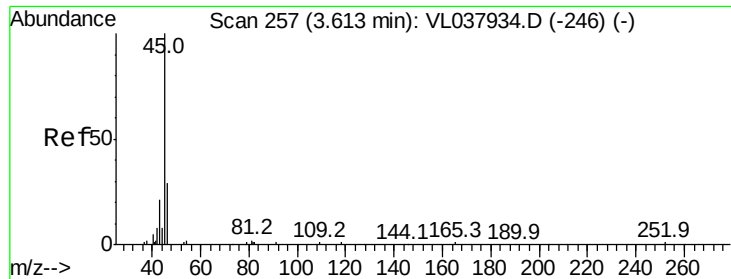
Tot Ion:101 Resp: 1748316
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.878 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T.: 0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

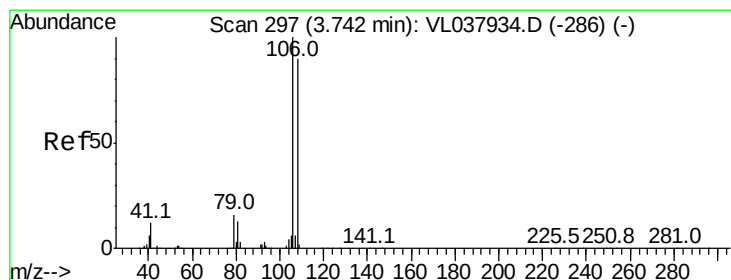
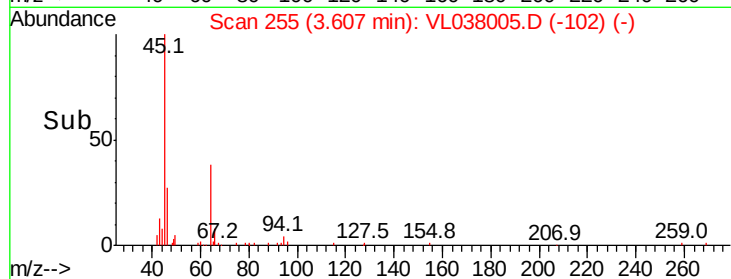
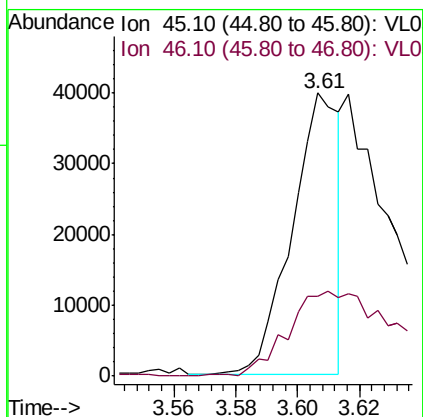
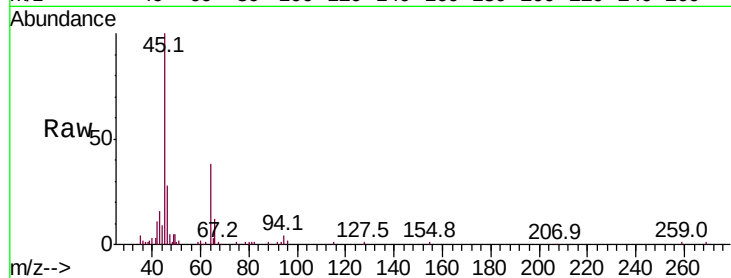
Tgt Ion:101 Resp: 1384620
 Ion Ratio Lower Upper
 101 100
 151 77.3 61.8 92.8





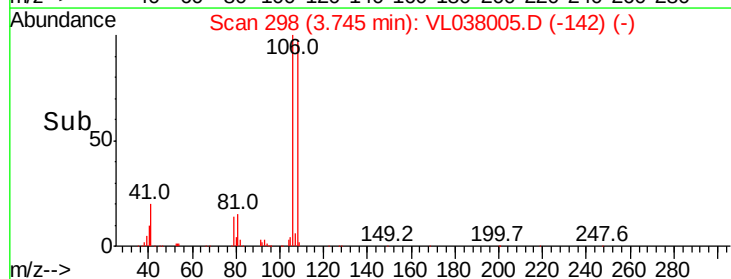
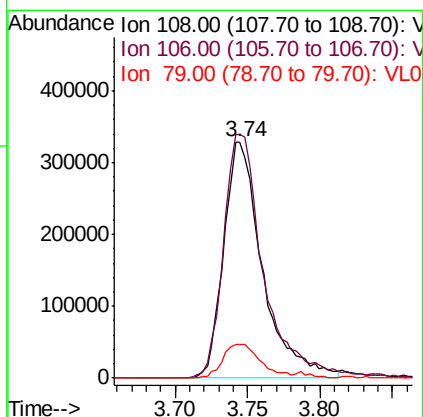
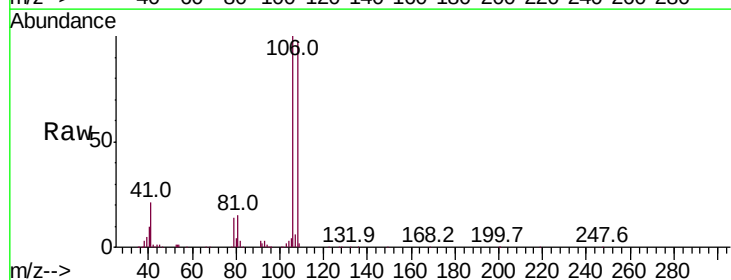
#13
 Ethanol
 Concen: 4.348 ppbv
 RT: 3.61
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 7:56

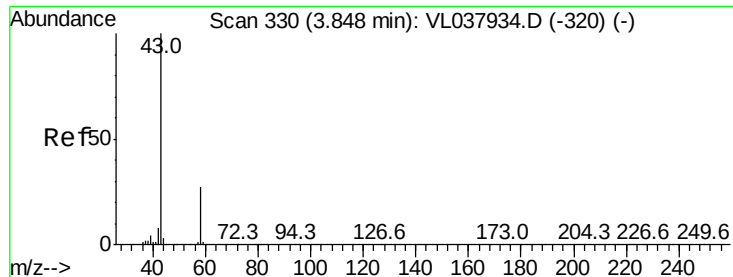
Tot Ion: 45 Resp: 41756
 Ion Ratio Lower Upper
 45 100
 46 84.5 17.4 69.8#



#14
 Bromoethene
 Concen: 8.947 ppbv
 RT: 3.74 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

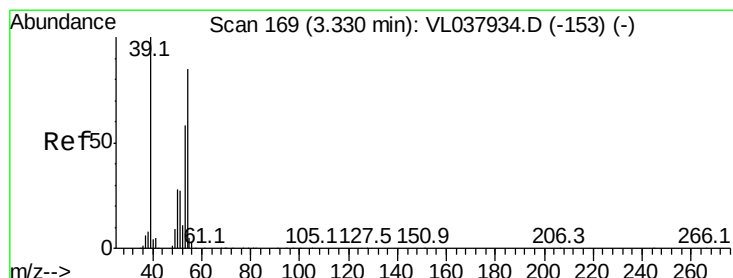
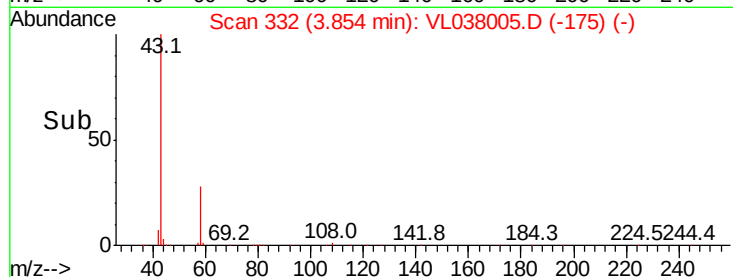
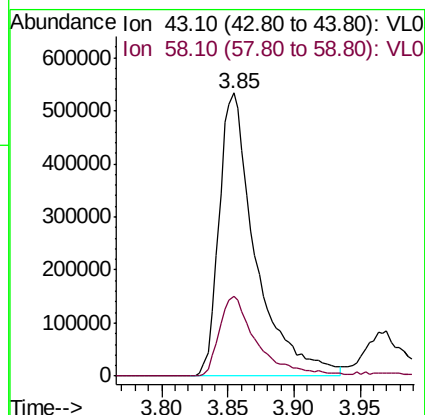
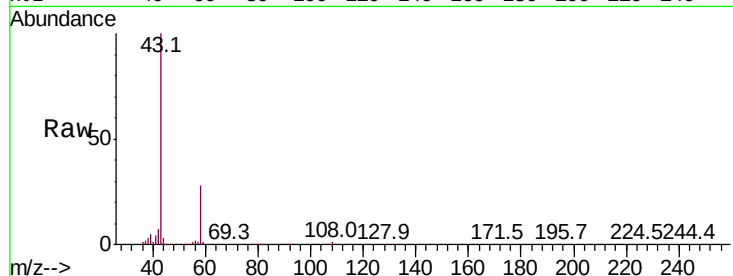
Tgt Ion: 108 Resp: 610431
 Ion Ratio Lower Upper
 108 100
 106 108.5 88.4 132.6
 79 15.2 12.4 18.6





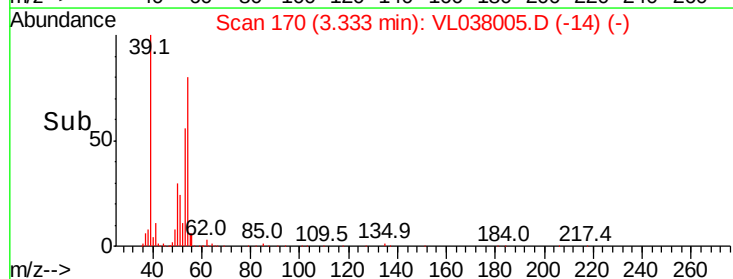
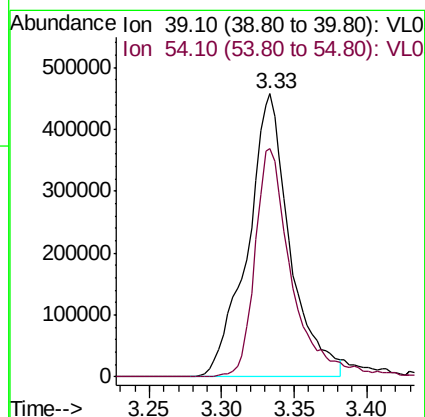
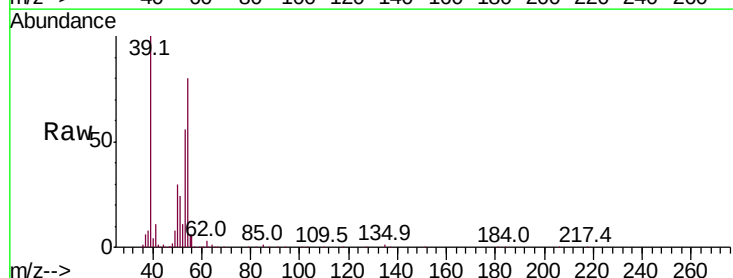
#15
Acetone
Concen: 8.650 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 Nov 2021 7:50

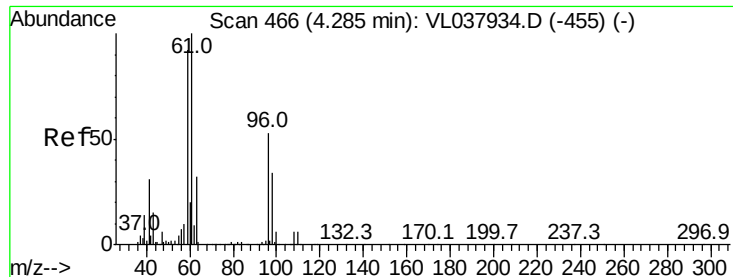
Tot Ion: 43 Resp: 1019401
Ion Ratio Lower Upper
43 100
58 29.1 23.3 34.9



#16
1,3-Butadiene
Concen: 10.008 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.00 min
Lab File: VL038005.D
Acq: 10 Nov 2021 7:56

Tgt Ion: 39 Resp: 929334
Ion Ratio Lower Upper
39 100
54 71.2 62.6 93.8





#17

tert-Butyl alcohol

Concen: 9.470 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

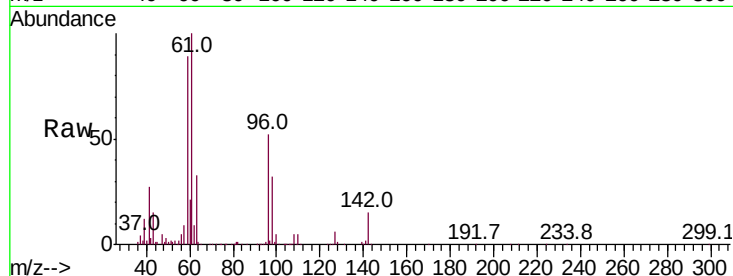
Acq: 10 Nov 2021 7:50

Tot Ion: 59 Resp: 1160330

Ion Ratio Lower Upper

59 100

57 10.0 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

500000

400000

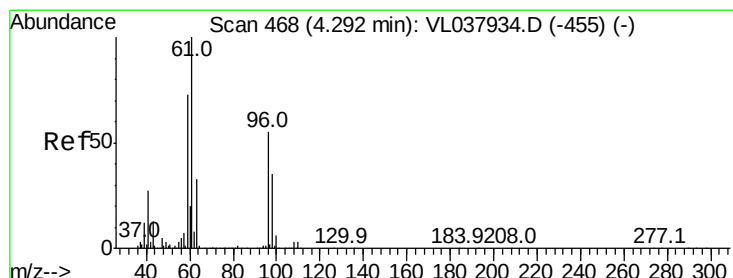
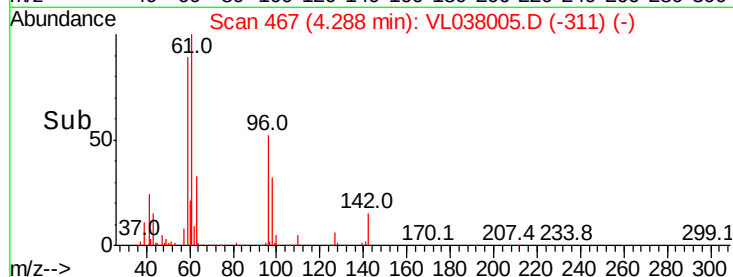
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 8.607 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

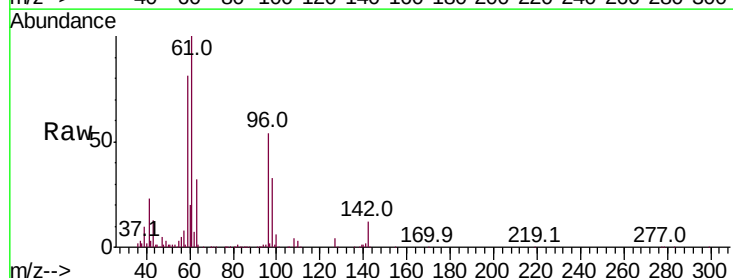
Tgt Ion: 96 Resp: 617823

Ion Ratio Lower Upper

96 100

61 186.8 144.3 216.5

98 62.4 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

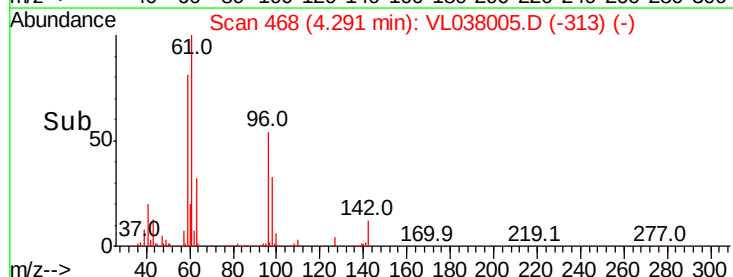
600000

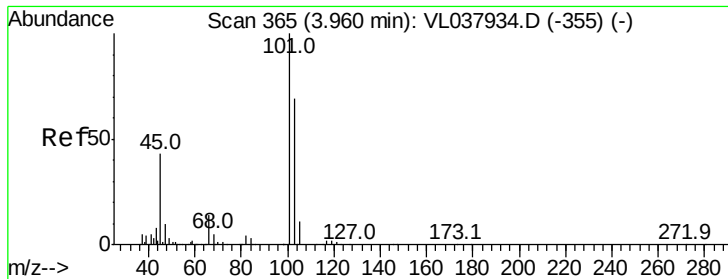
400000

200000

0

Time--> 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 9.269 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

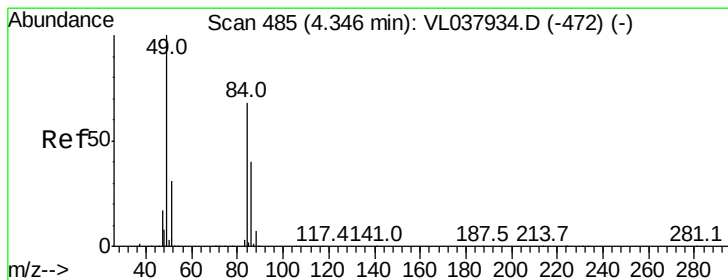
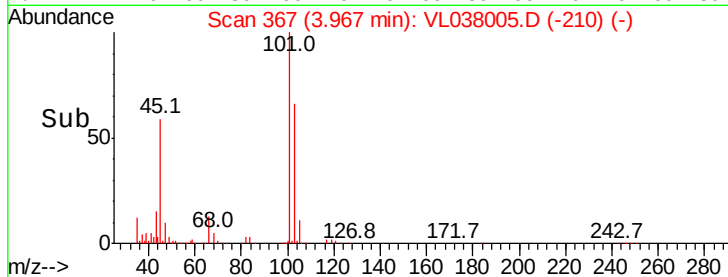
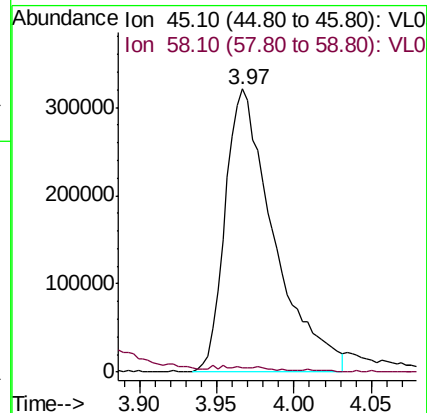
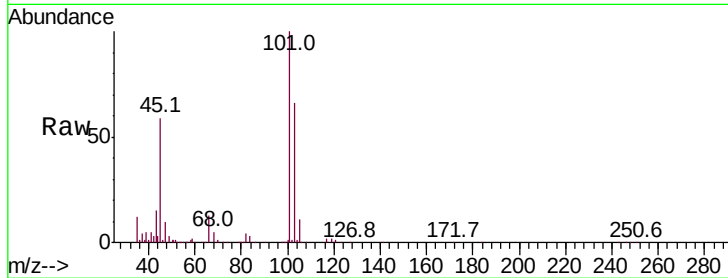
Acq: 10 Nov 2021 7:58

Tot Ion: 45 Resp: 698525

Ion Ratio Lower Upper

45 100

58 2.1 4.0 6.0#



#20

Methylene Chloride

Concen: 7.807 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

Tgt Ion: 84 Resp: 505082

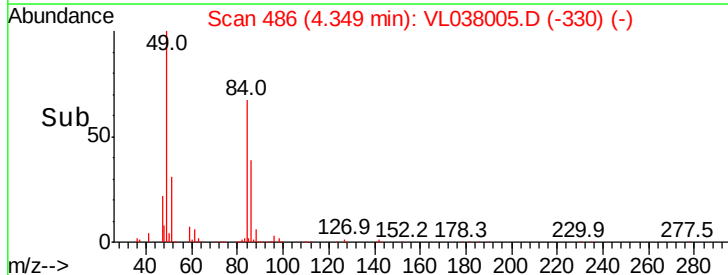
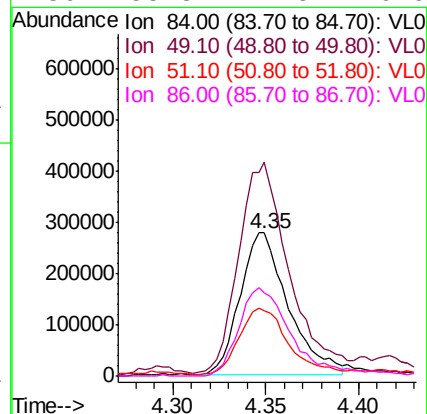
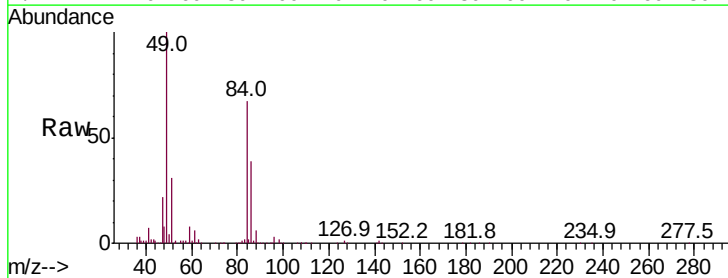
Ion Ratio Lower Upper

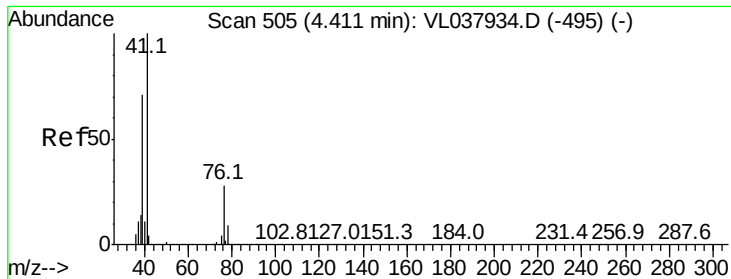
84 100

49 148.1 117.5 176.3

51 44.9 35.9 53.9

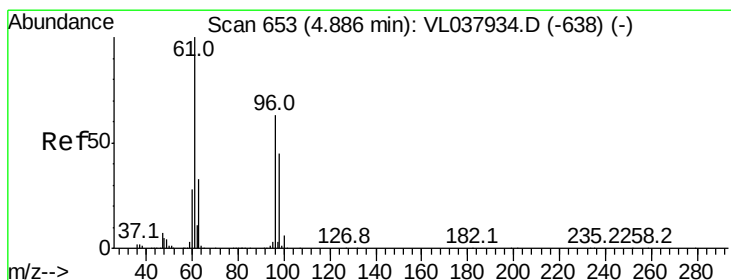
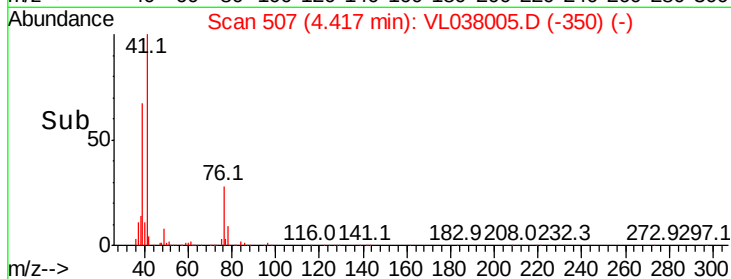
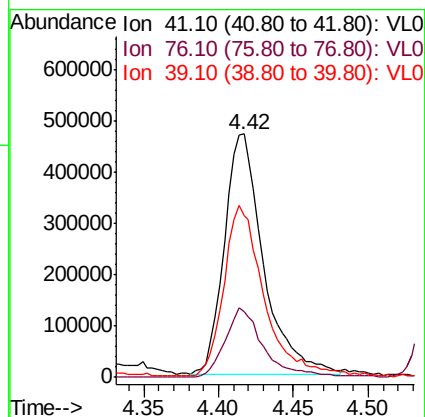
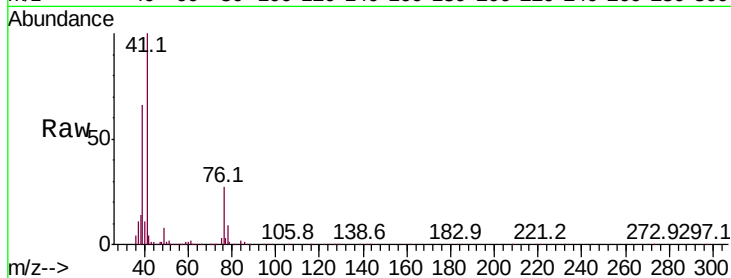
86 58.3 47.3 70.9





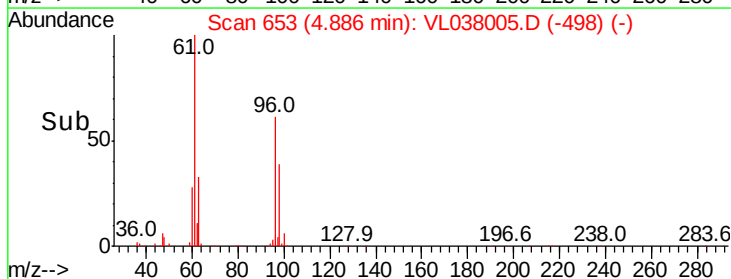
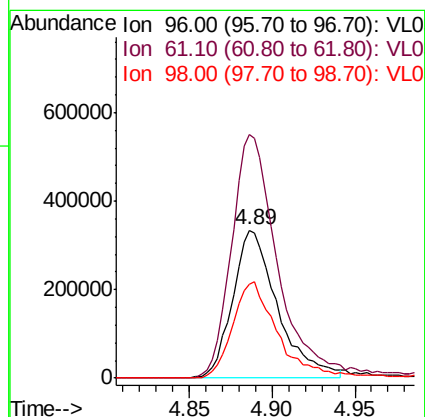
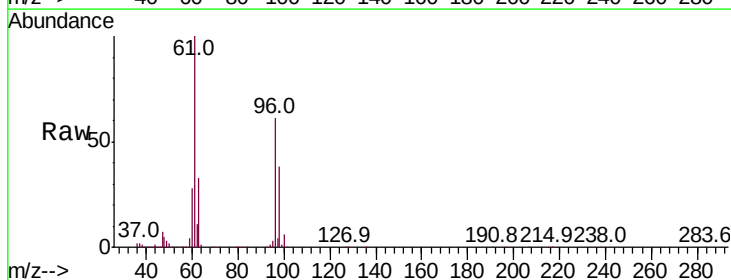
#21
 Allvl Chloride
 Concen: 7.855 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 7:50

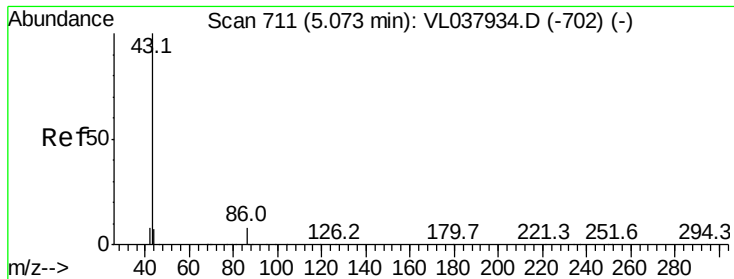
Tot Ion:	41	Resp:	854090
Ion	Ratio	Lower	Upper
41	100		
76	28.7	23.6	35.4
39	73.6	59.7	89.5



#22
 trans-1,2-Dichloroethene
 Concen: 8.808 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

Tgt Ion:	96	Resp:	628285
Ion	Ratio	Lower	Upper
96	100		
61	164.3	127.8	191.6
98	63.2	56.9	85.3





#23

Vinyl Acetate

Concen: 8.687 ppbv

RT: 5.07 Instrument:

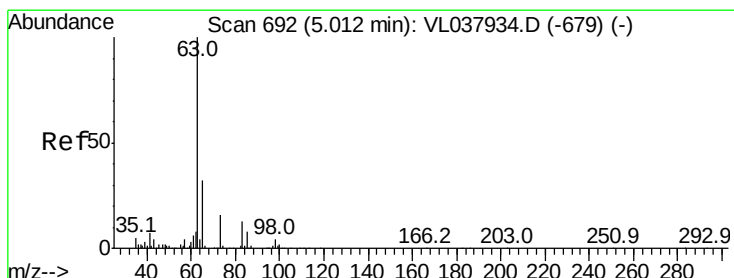
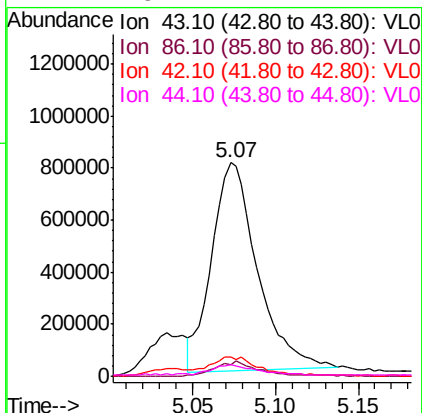
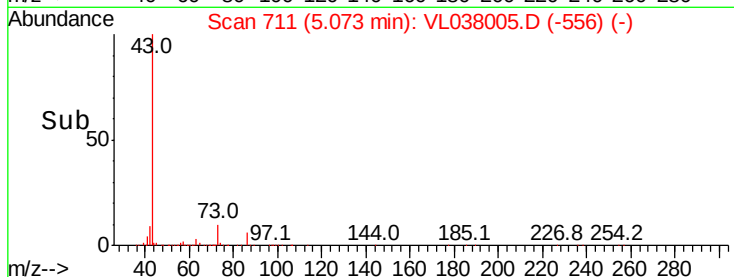
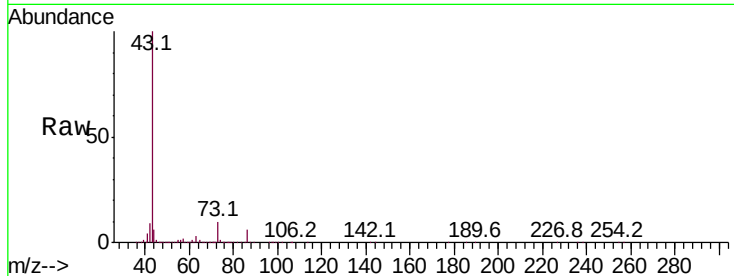
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 7:56

Tot Ion: 43 Resp: 1541349

Ion	Ratio	Lower	Upper
43	100		
86	5.5	5.5	8.3#
42	9.0	7.4	11.2
44	5.1	4.7	7.1



#24

1,1-Dichloroethane

Concen: 8.911 ppbv

RT: 5.01 min Scan# 692

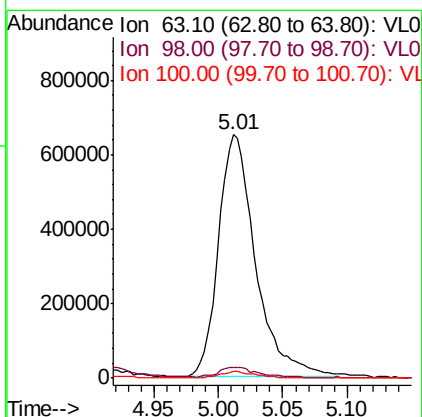
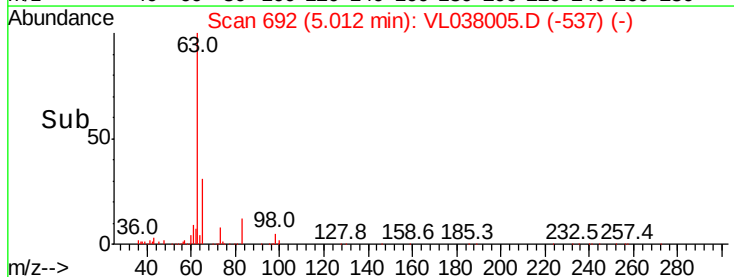
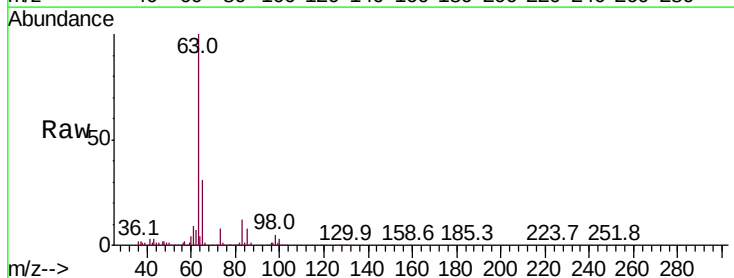
Delta R.T. -0.00 min

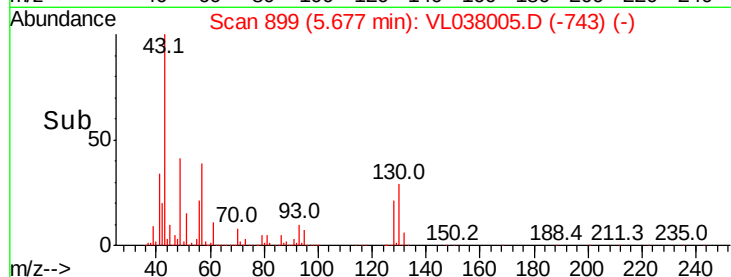
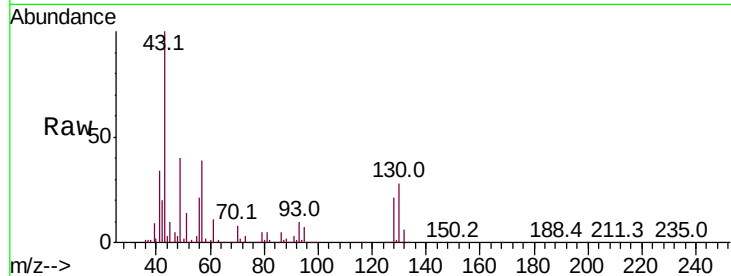
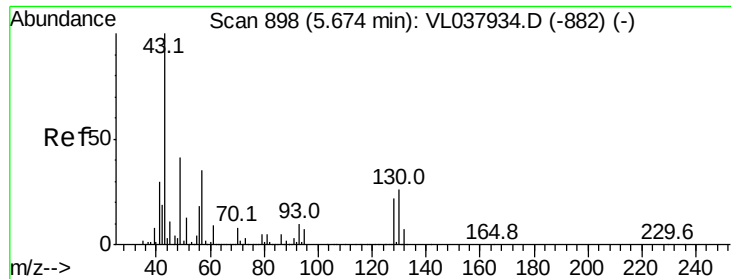
Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

Tgt Ion: 63 Resp: 1306251

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.9
100	2.6	1.2	3.6

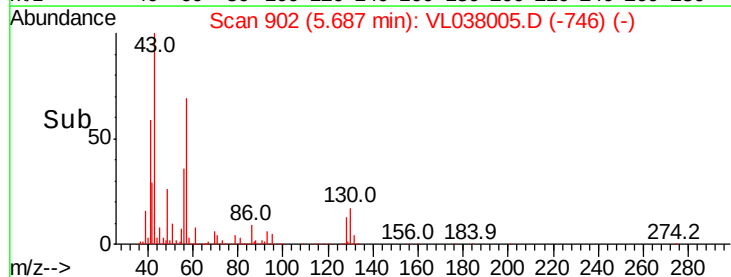
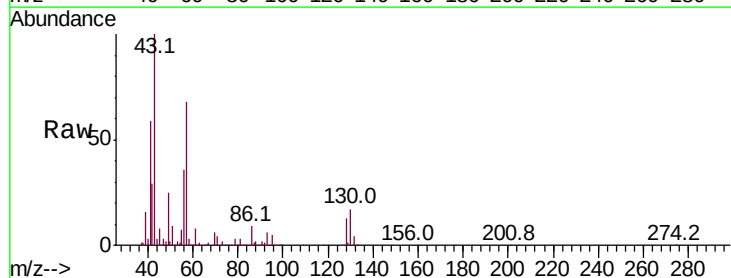
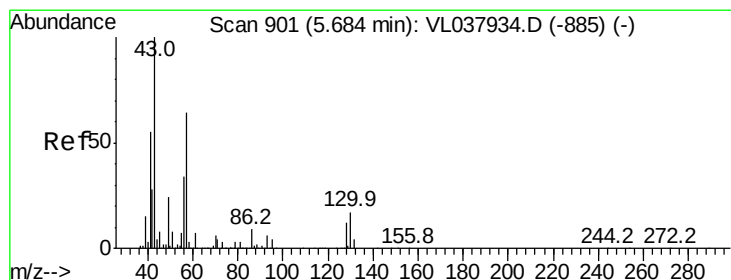
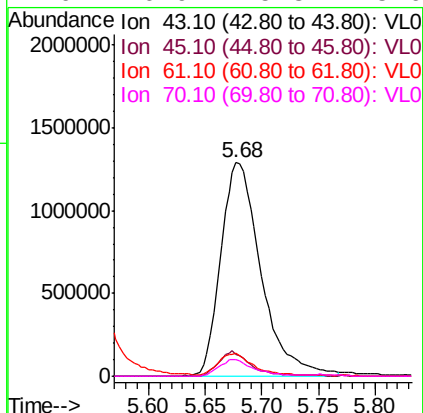




#25
Ethyl Acetate
Concen: 9.039 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 7:56

Tot Ion: 43 Resp: 3163768

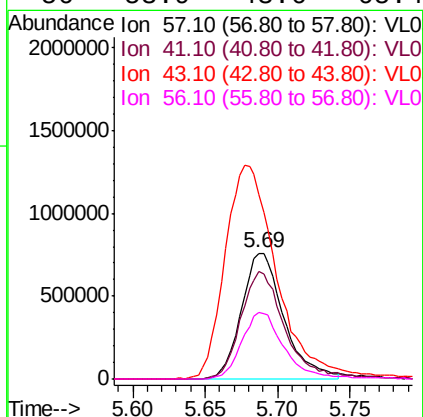
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.0	8.1	12.1
70	6.9	5.8	8.6

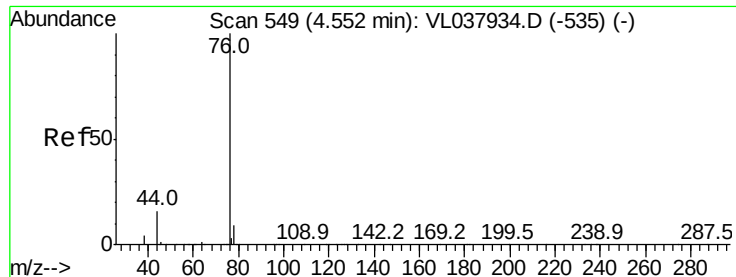


#26
Hexane
Concen: 9.277 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038005.D
Acq: 10 Nov 2021 7:56

Tgt Ion: 57 Resp: 1538448

Ion	Ratio	Lower	Upper
57	100		
41	90.1	71.0	106.6
43	210.0	173.0	259.6
56	53.9	43.6	65.4





#27

Carbon Disulfide

Concen: 8.962 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 7:56

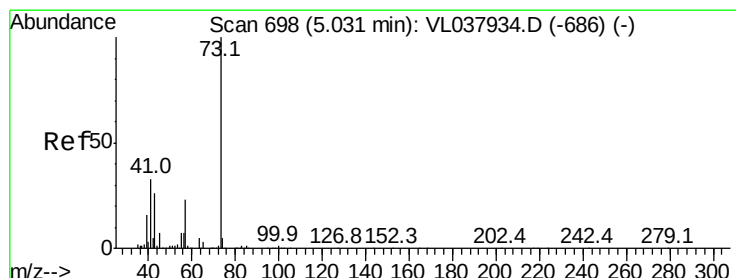
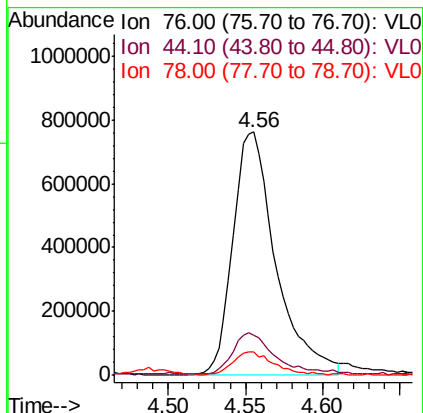
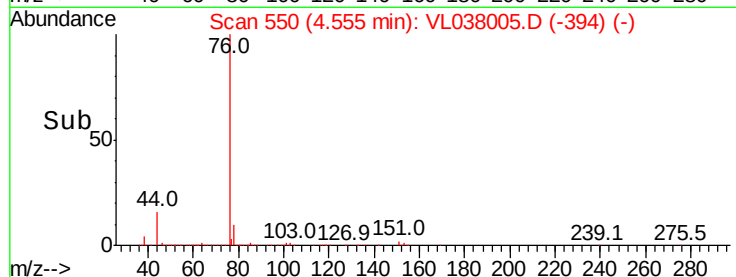
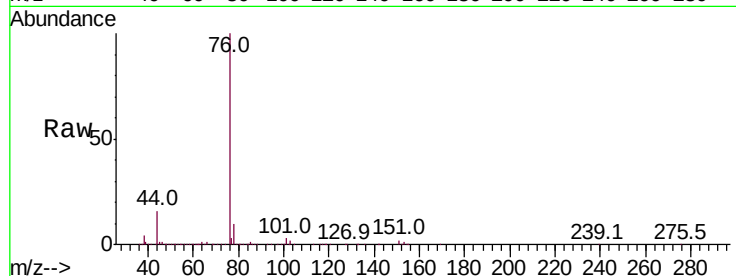
Tot Ion: 76 Resp: 1467208

Ion Ratio Lower Upper

76 100

44 17.2 13.2 19.8

78 10.2 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.357 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL038005.D

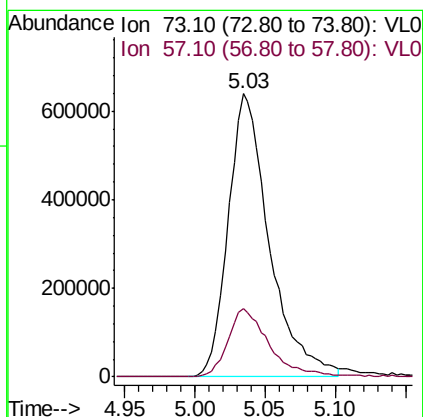
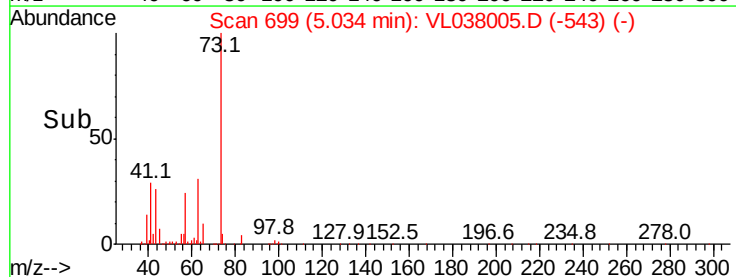
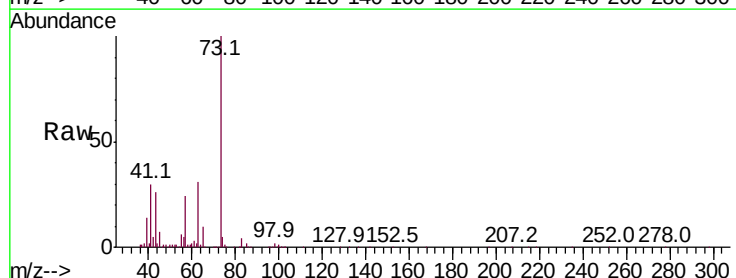
Acq: 10 Nov 2021 7:56

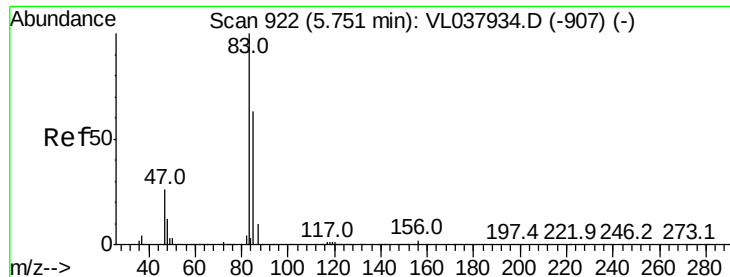
Tgt Ion: 73 Resp: 1304603

Ion Ratio Lower Upper

73 100

57 24.7 20.1 30.1





#29

Chloroform

Concen: 8.499 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

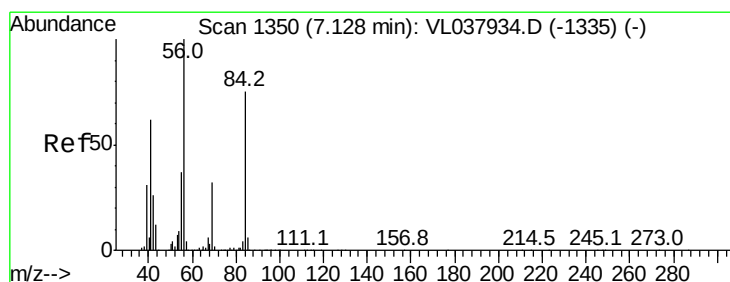
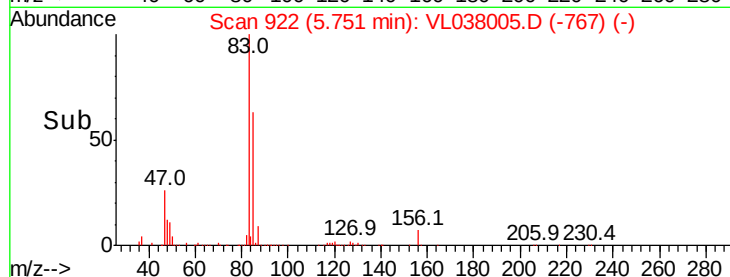
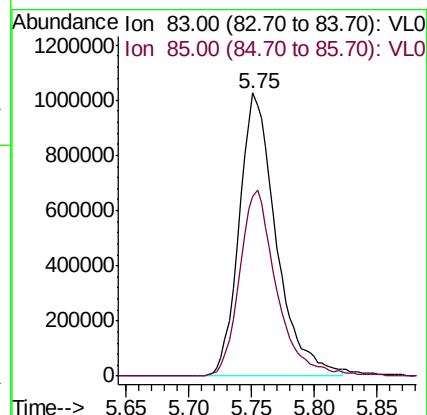
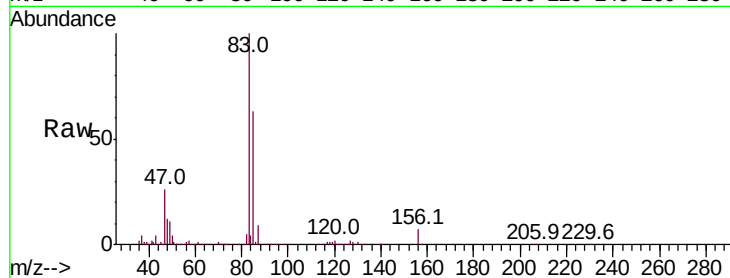
Acq: 10 Nov 2021 7:50

Tot Ion: 83 Resp: 2101766

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0



#30

Cyclohexane

Concen: 9.353 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

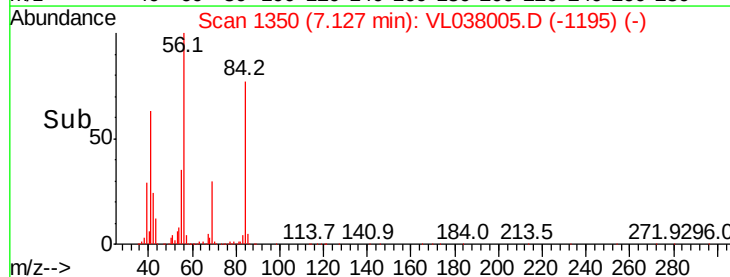
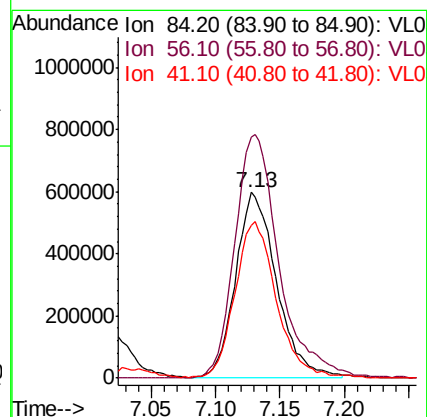
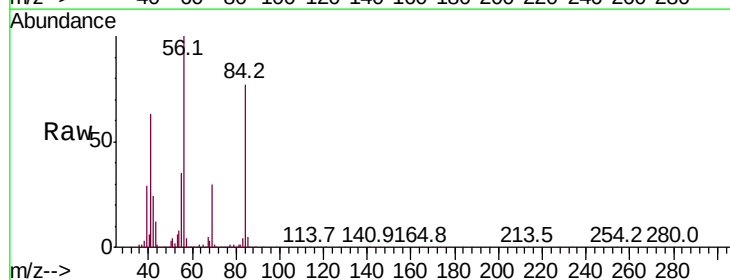
Tgt Ion: 84 Resp: 1325855

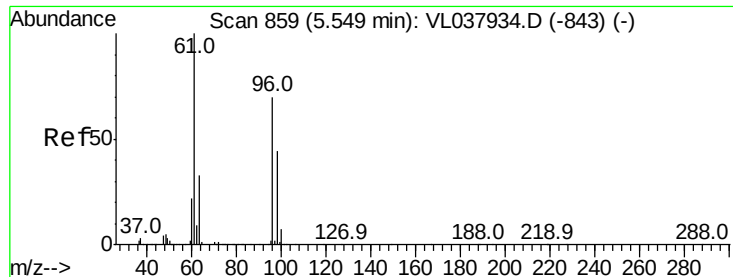
Ion Ratio Lower Upper

84 100

56 142.2 114.0 171.0

41 85.1 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 9.504 ppbv

RT: 5.55

Instrument: MSVOA_1

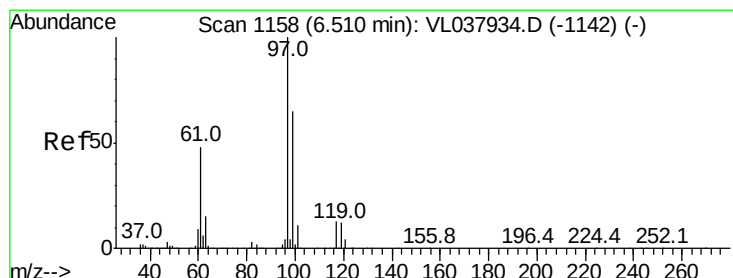
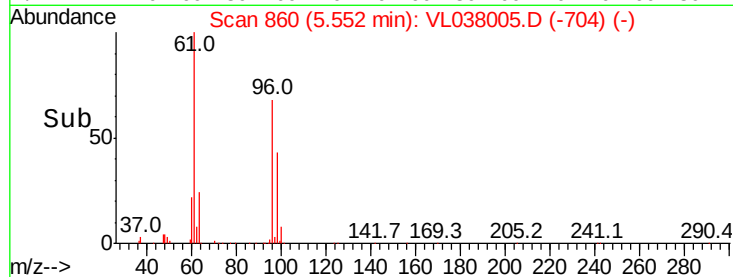
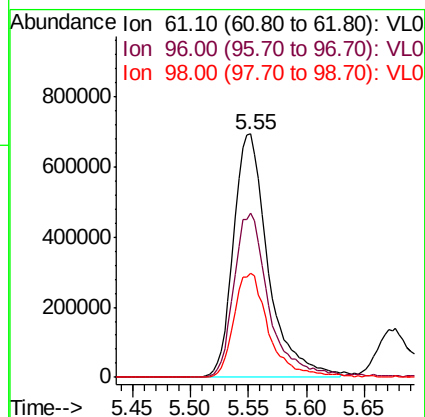
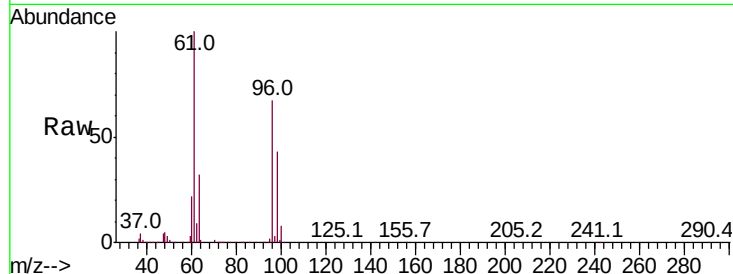
Delta R.T.:

Lab File: ClientSampleId:

Acq: 10 Nov 2021 7:56

Tot Ion: 61 Resp: 1437980

Ion	Ratio	Lower	Upper
61	100		
96	67.3	55.6	83.4
98	43.0	34.9	52.3



#32

1,1,1-Trichloroethane

Concen: 8.384 ppbv

RT: 6.51 min Scan# 1158

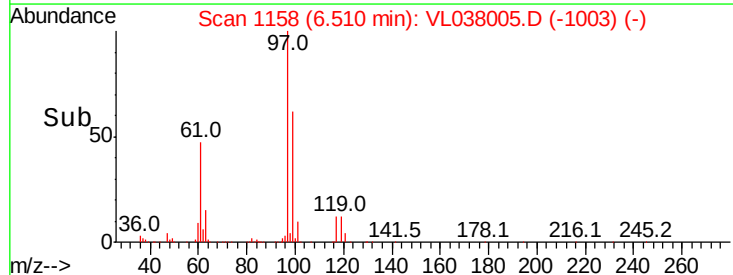
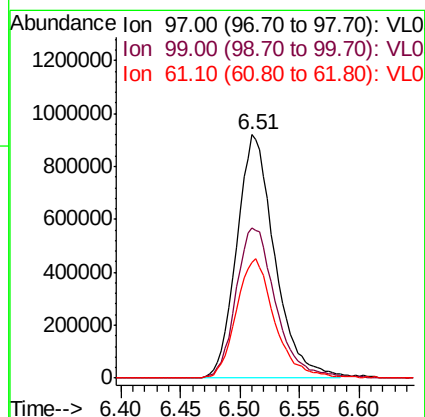
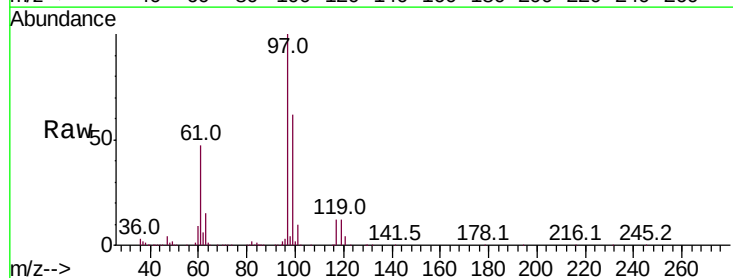
Delta R.T. -0.00 min

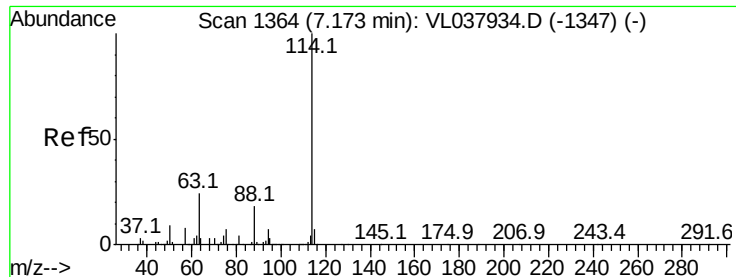
Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

Tgt Ion: 97 Resp: 2037985

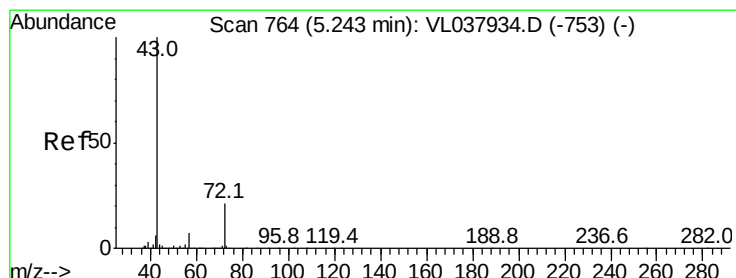
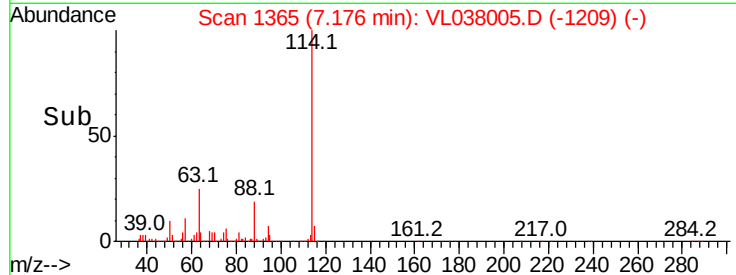
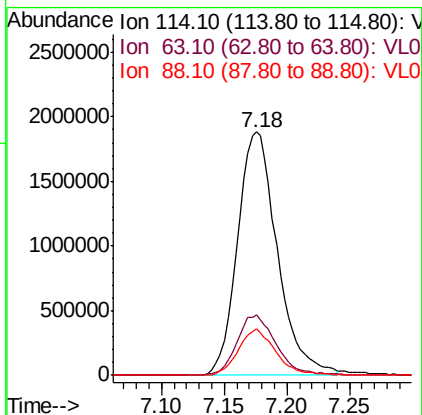
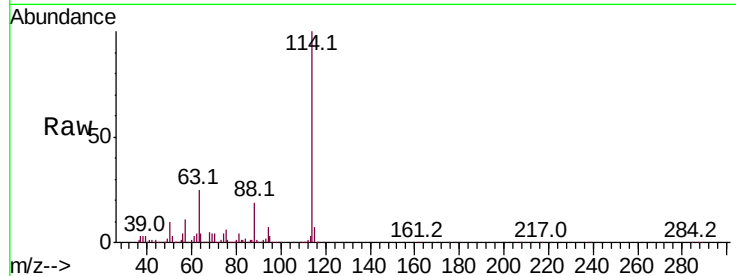
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.4
61	49.5	39.8	59.6





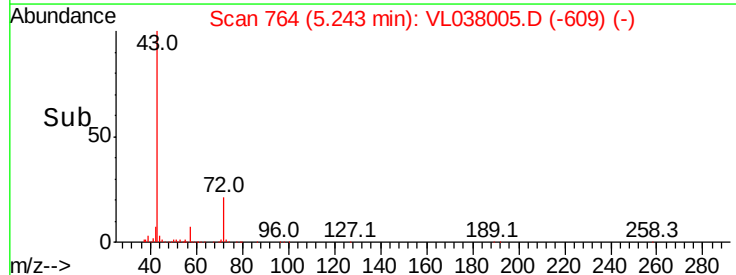
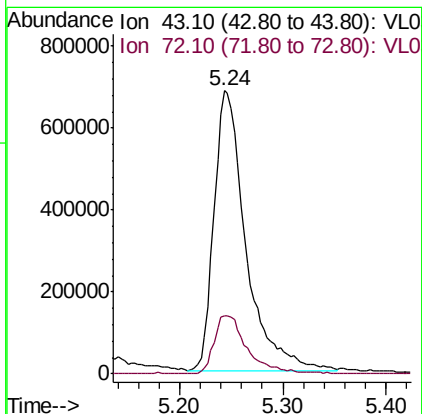
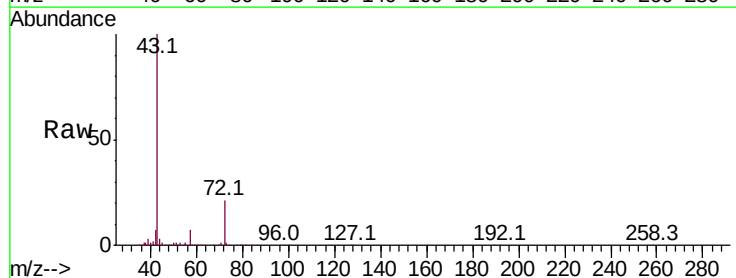
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 7:58

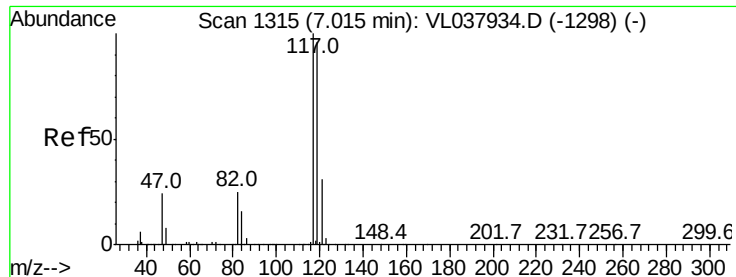
Tot Ion: 114 Resp: 4141590
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.4 29.0
 88 18.1 14.2 21.4



#34
 2-Butanone
 Concen: 9.514 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: -0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

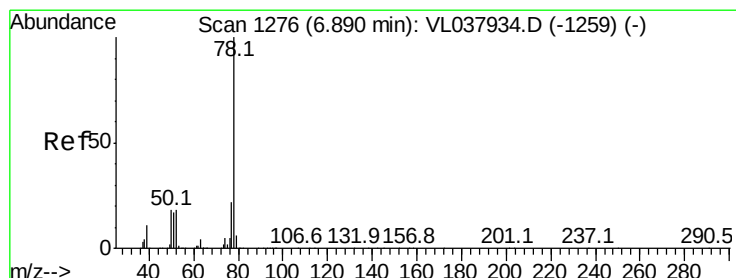
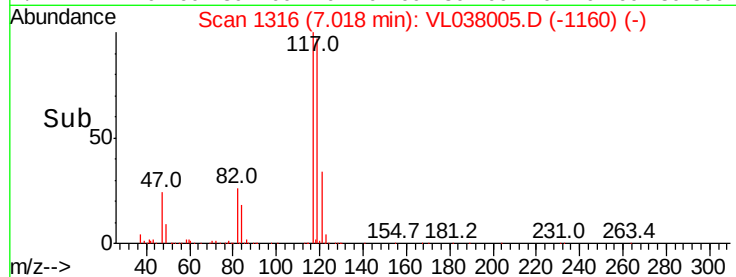
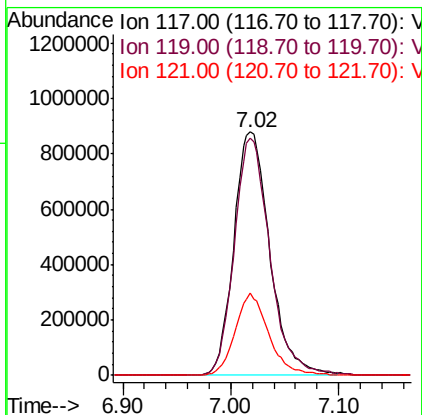
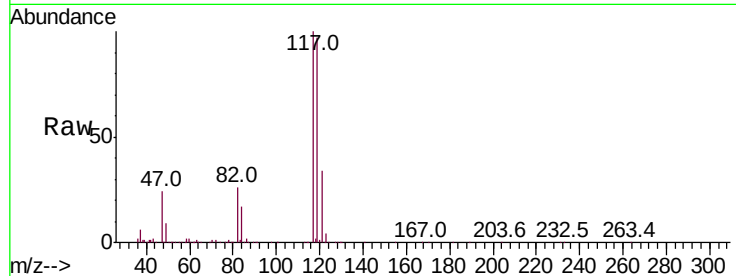
Tgt Ion: 43 Resp: 1460076
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.3 27.5





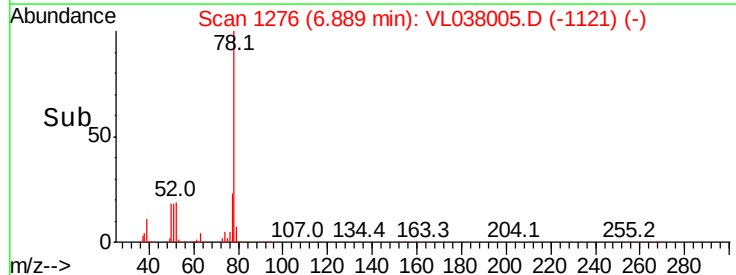
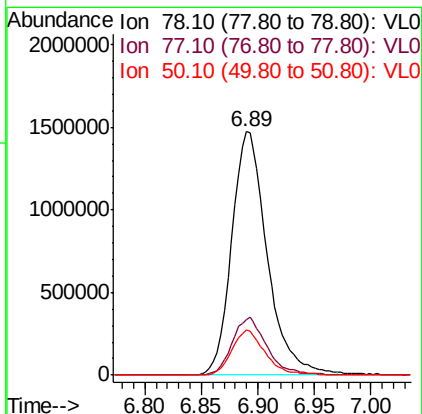
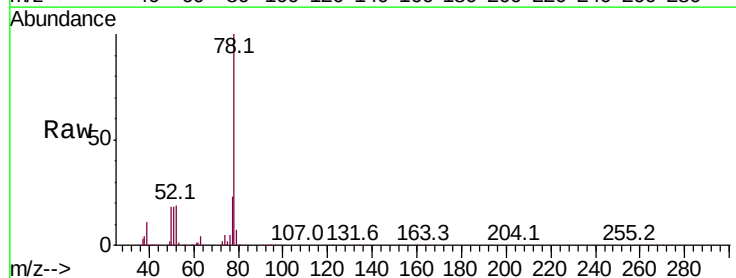
#35
Carbon Tetrachloride
Concen: 8.148 ppbv
RT: 7.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 7:58

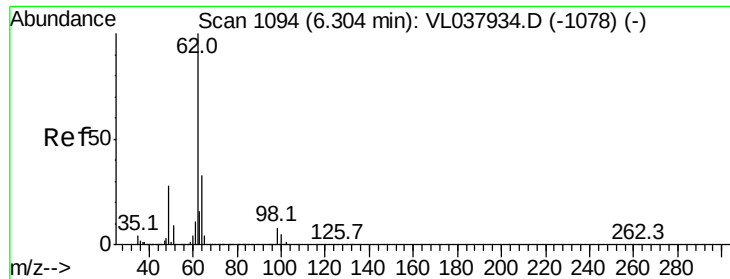
Tot Ion: 117 Resp: 2040031
Ion Ratio Lower Upper
117 100
119 97.4 76.6 114.8
121 33.7 25.1 37.7



#36
Benzene
Concen: 9.513 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL038005.D
Acq: 10 Nov 2021 7:56

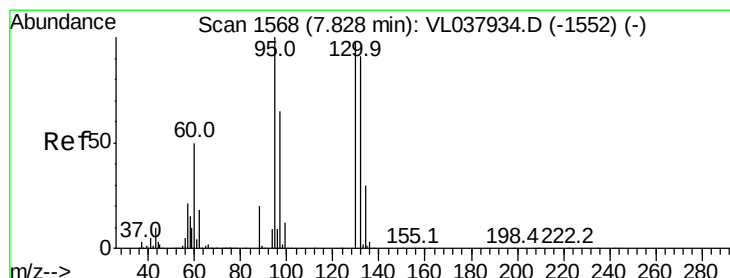
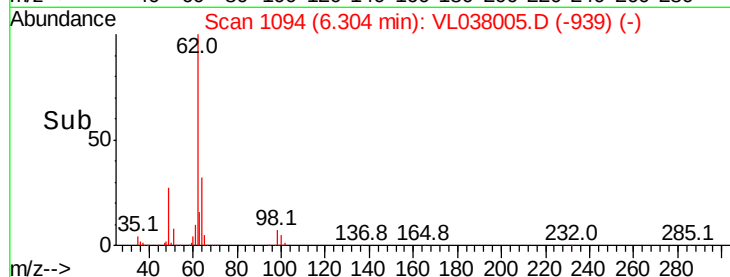
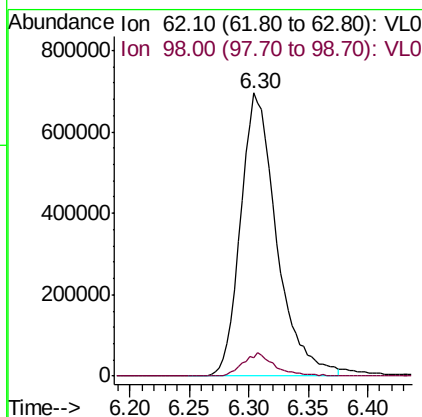
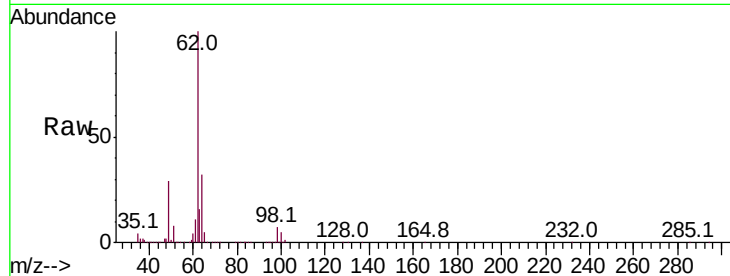
Tgt Ion: 78 Resp: 3208577
Ion Ratio Lower Upper
78 100
77 22.9 17.9 26.9
50 18.4 14.4 21.6





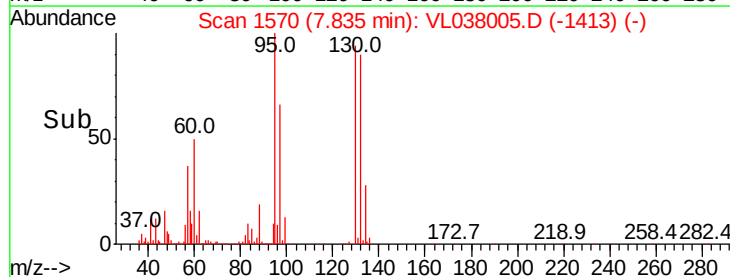
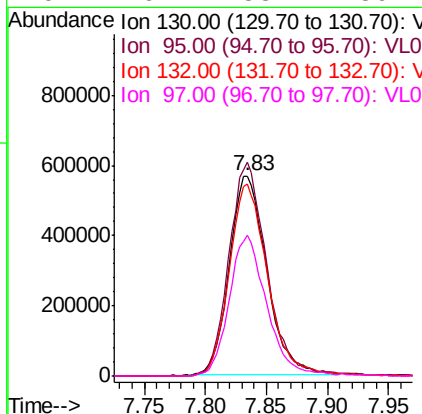
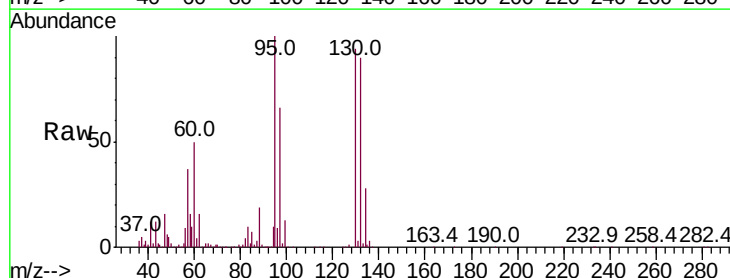
#37
 1,2-Dichloroethane
 Concen: 9.128 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 7:56

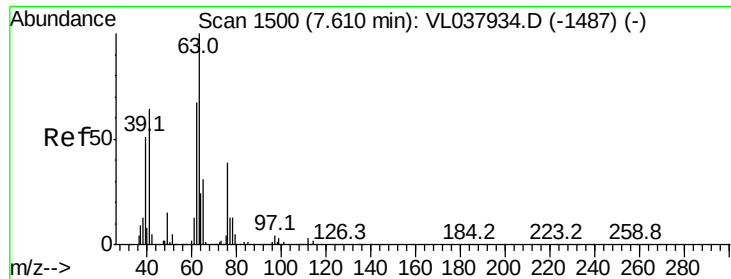
Tot Ion: 62 Resp: 1463589
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.5 9.7



#38
 Trichloroethene
 Concen: 8.625 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T.: 0.01 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

Tgt Ion: 130 Resp: 1207376
 Ion Ratio Lower Upper
 130 100
 95 107.2 81.8 122.8
 132 96.2 74.2 111.2
 97 70.4 53.4 80.2





#39

1,2-Dichloropropane

Concen: 9.794 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 7:50

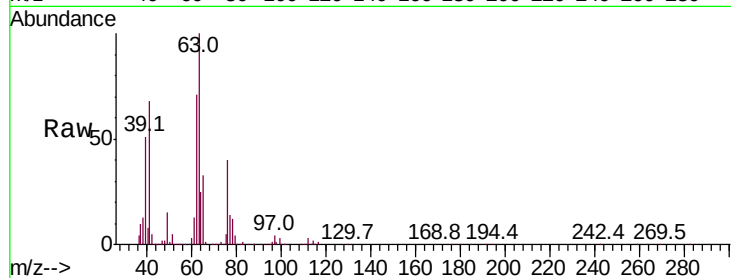
Tot Ion: 63 Resp: 1242868

Ion Ratio Lower Upper

63 100

41 67.8 51.6 77.4

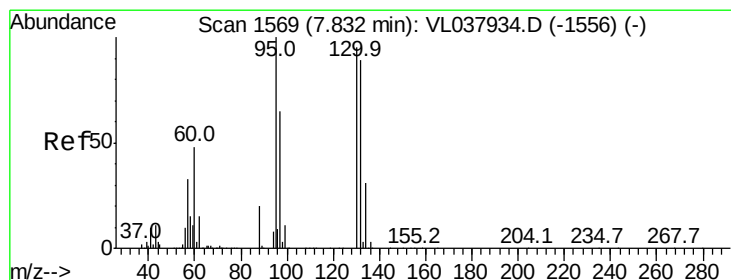
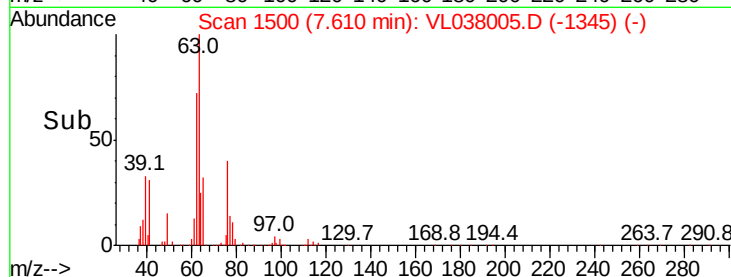
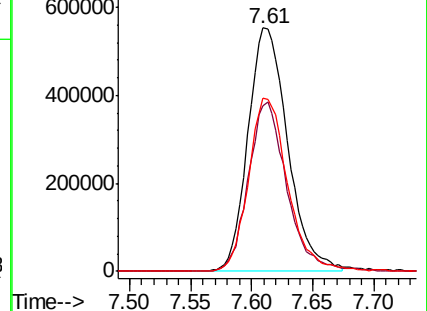
62 71.3 53.5 80.3



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.551 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

Tgt Ion: 88 Resp: 285797

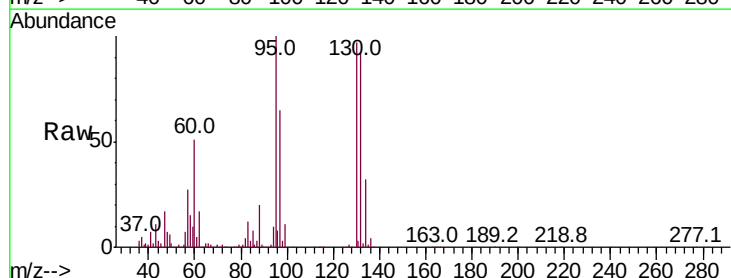
Ion Ratio Lower Upper

88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#

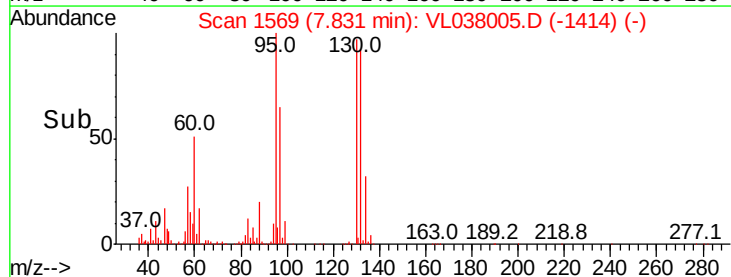
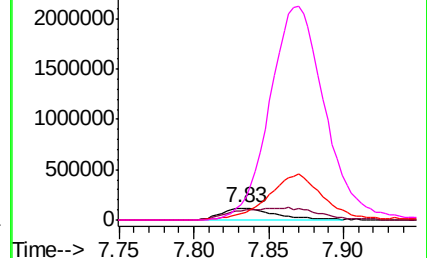


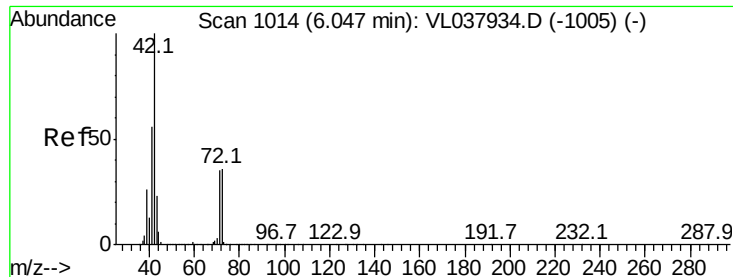
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.910 ppbv

RT: 6.05 Instrument:

Delta R.T. MSVOA_1

Lab File:

Acq: 10 Nov 2021 7:56

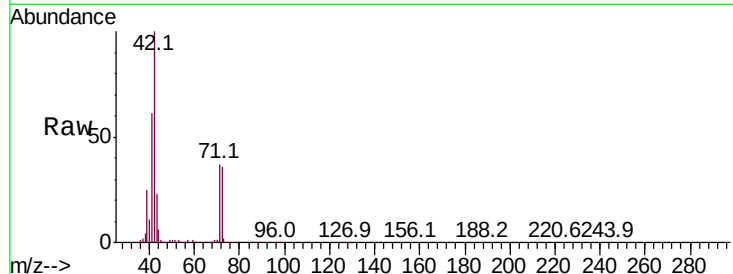
Tot Ion: 42 Resp: 744158

Ion Ratio Lower Upper

42 100

72 37.1 31.5 47.3

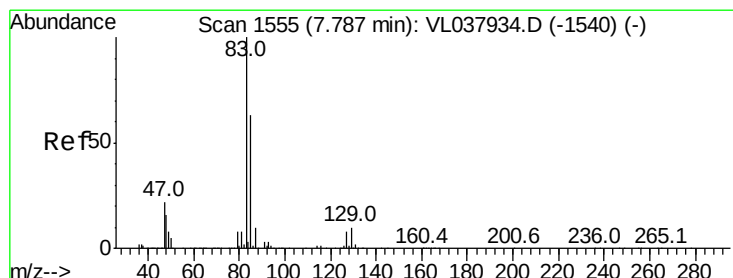
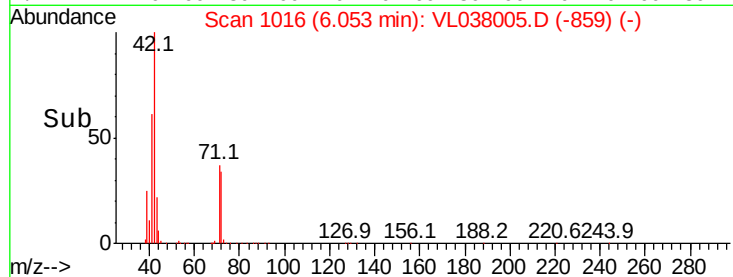
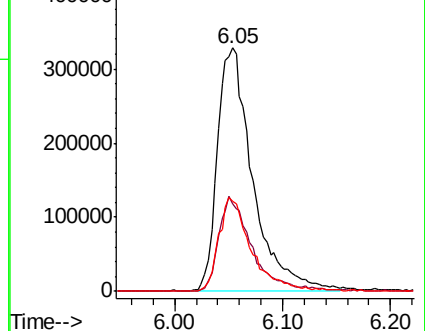
71 36.4 30.5 45.7



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: 9.251 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

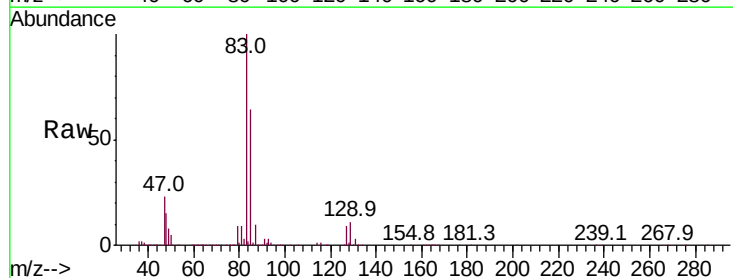
Tgt Ion: 83 Resp: 2242784

Ion Ratio Lower Upper

83 100

85 63.6 50.1 75.1

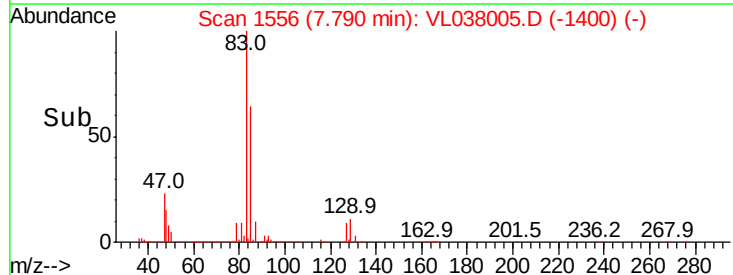
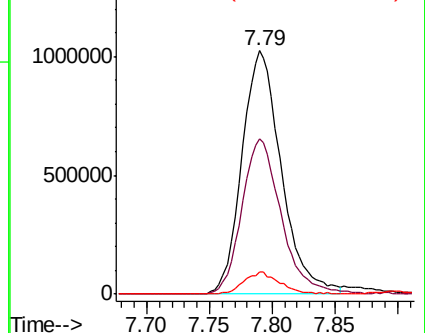
127 8.9 6.1 9.1

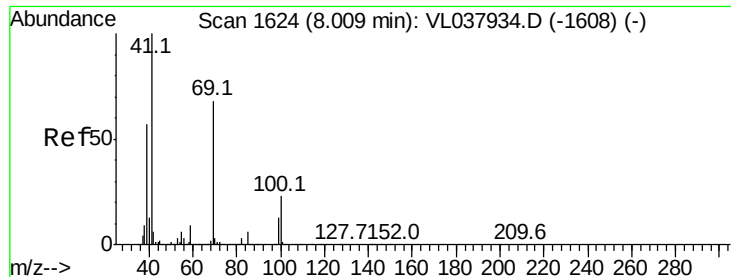


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.781 ppbv

RT: 8.01

Instrument: MSVOA_1

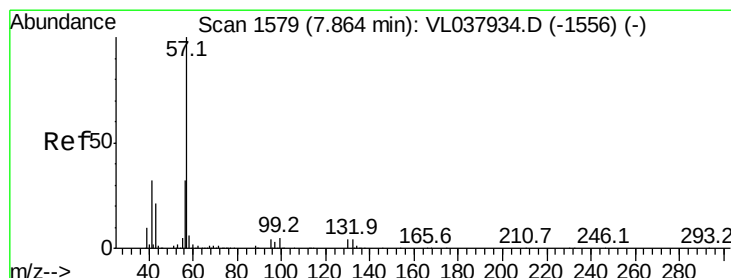
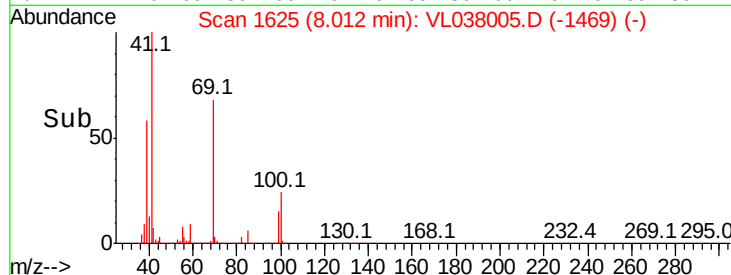
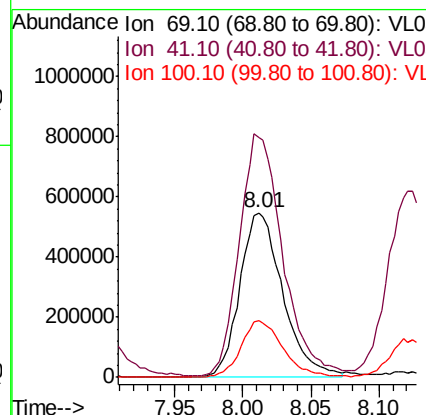
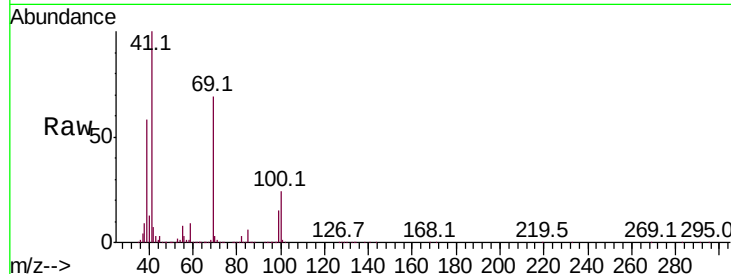
Delta R.T. ClientSampleId:

Lab File:

Acq: 10 Nov 2021 7:56

Tot Ion: 69 Resp: 1193535

Ion	Ratio	Lower	Upper
69	100		
41	149.8	117.4	176.2
100	34.0	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.513 ppbv

RT: 7.87 min Scan# 1581

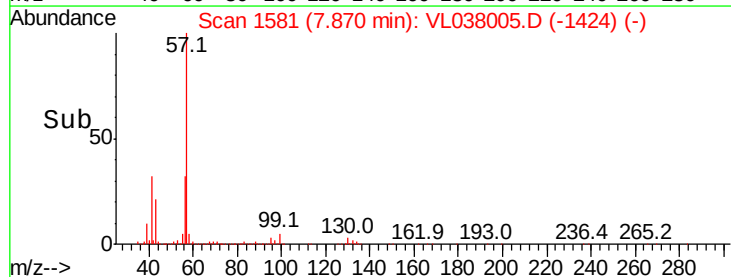
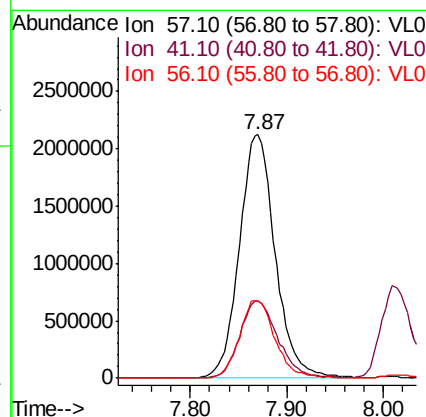
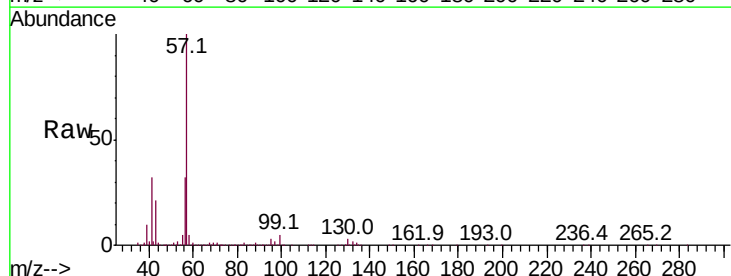
Delta R.T. 0.01 min

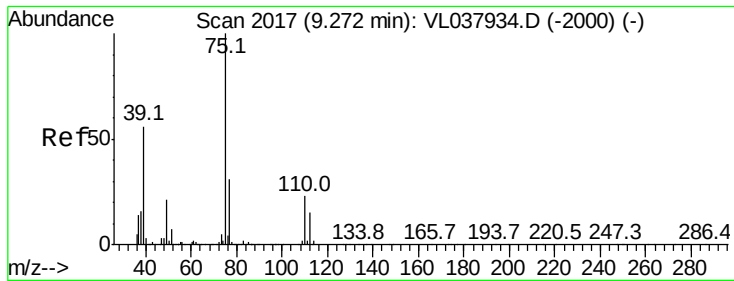
Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

Tgt Ion: 57 Resp: 5457059

Ion	Ratio	Lower	Upper
57	100		
41	33.9	25.8	38.8
56	31.7	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 4.496 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

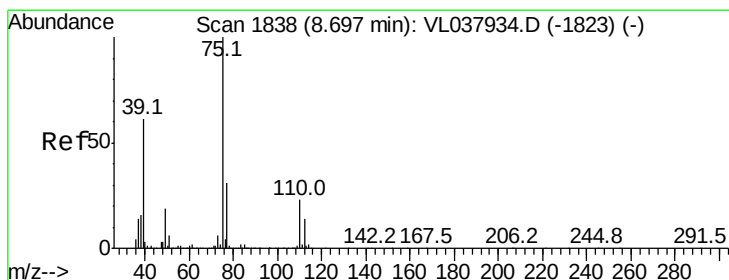
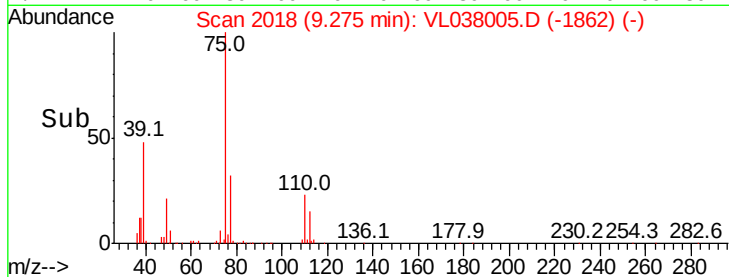
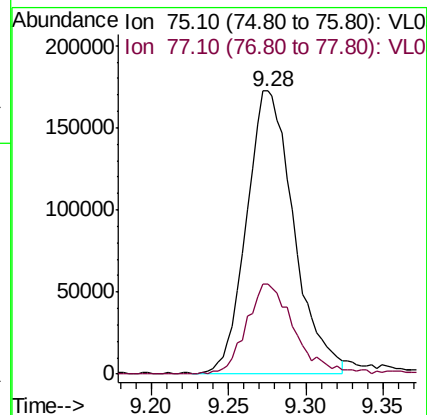
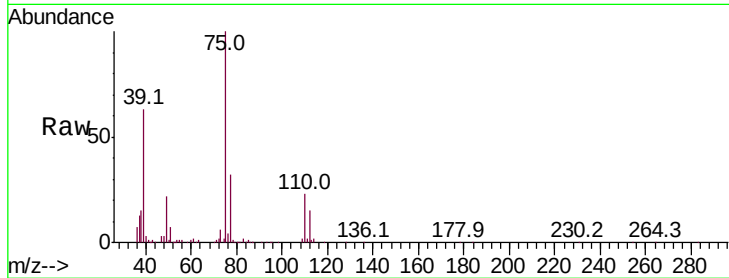
Acq: 10 Nov 2021 7:50

Tot Ion: 75 Resp: 365760

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 5.717 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

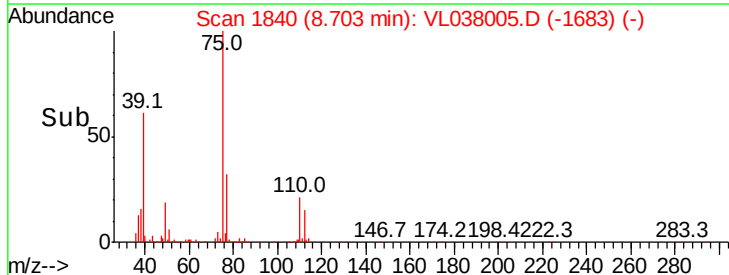
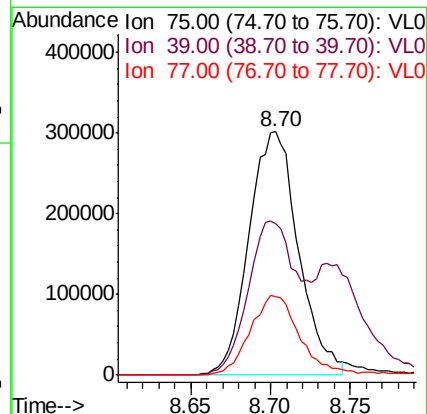
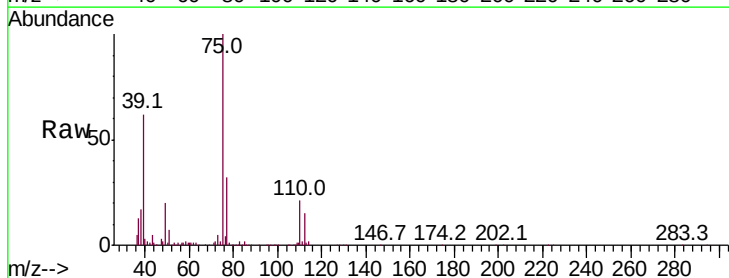
Tgt Ion: 75 Resp: 639363

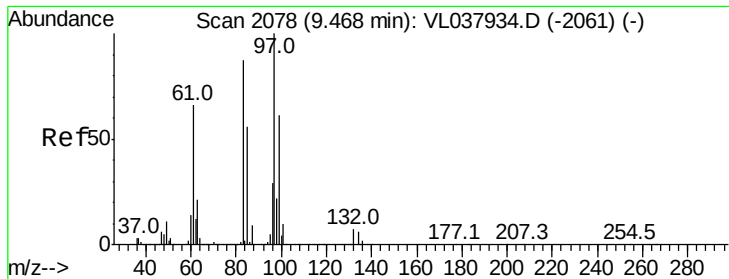
Ion Ratio Lower Upper

75 100

39 62.1 48.8 73.2

77 32.0 24.6 36.8

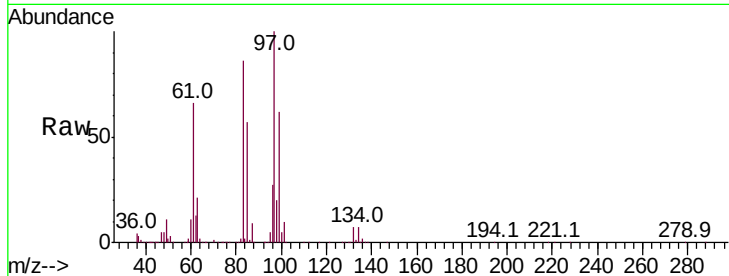




#47
 1,1,2-Trichloroethane
 Concen: 9.101 ppbv
 RT: 9.47 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 7:50

Tot Ion: 97 Resp: 1297625

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.4	104.2
85	56.8	45.0	67.6
99	62.3	48.7	73.1



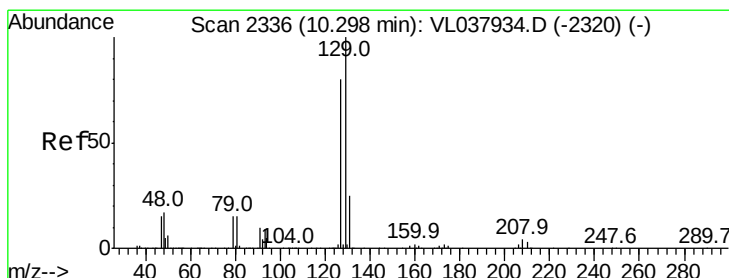
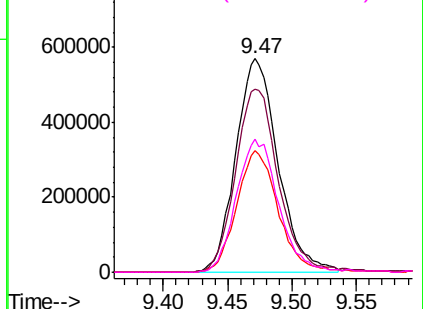
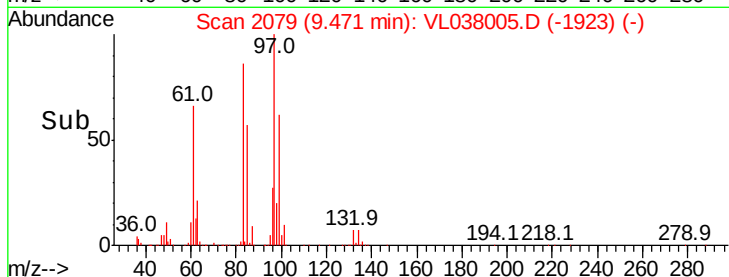
Abundance

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

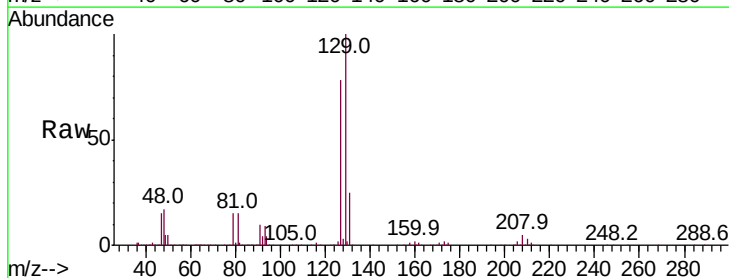
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.818 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T.: -0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

Tgt Ion: 129 Resp: 1982028

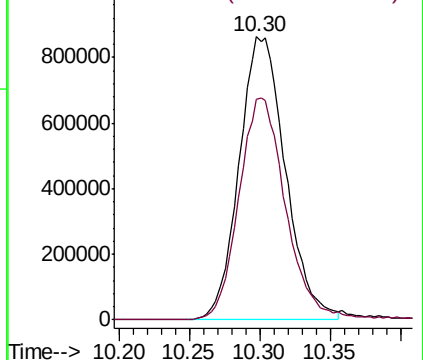
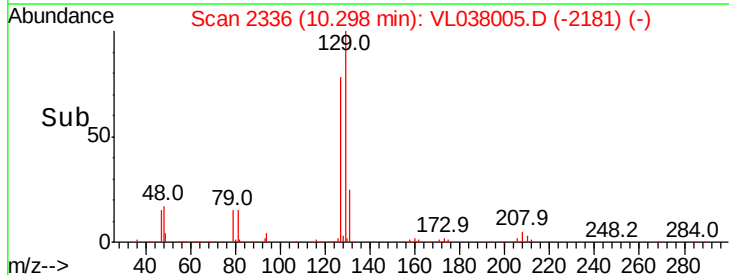
Ion	Ratio	Lower	Upper
129	100		
127	80.2	40.3	120.9

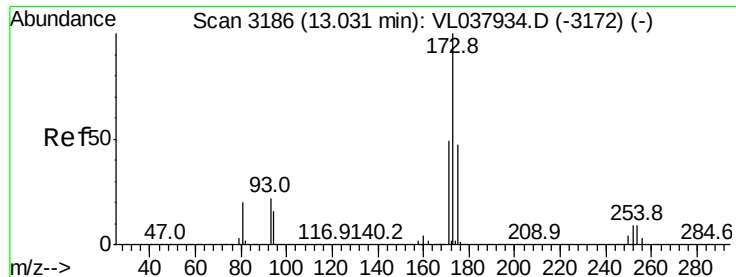


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.613 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 7:56

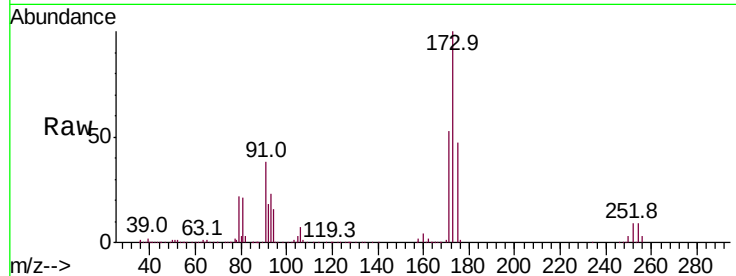
Tot Ion: 173 Resp: 1693529

Ion Ratio Lower Upper

173 100

175 50.8 39.5 59.3

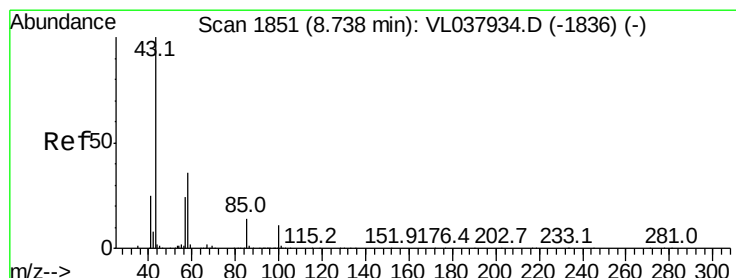
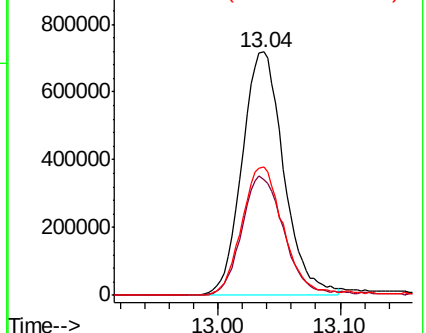
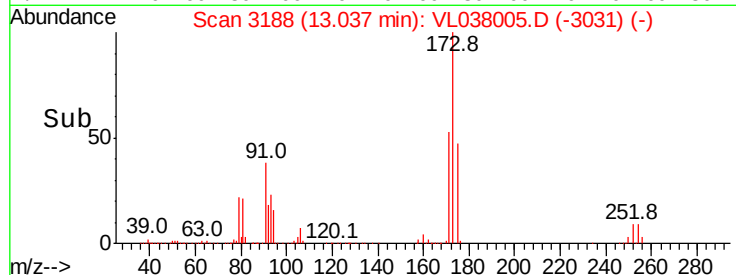
171 54.0 43.6 65.4



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: 11.008 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VL038005.D

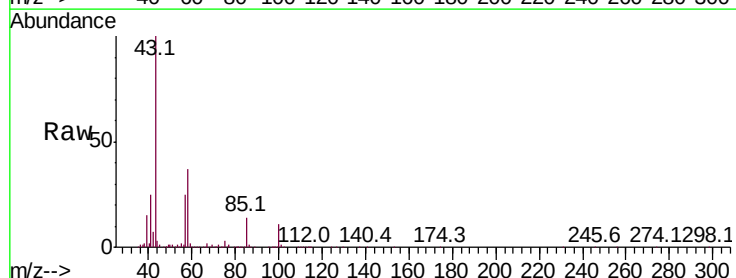
Acq: 10 Nov 2021 7:56

Tgt Ion: 43 Resp: 2219599

Ion Ratio Lower Upper

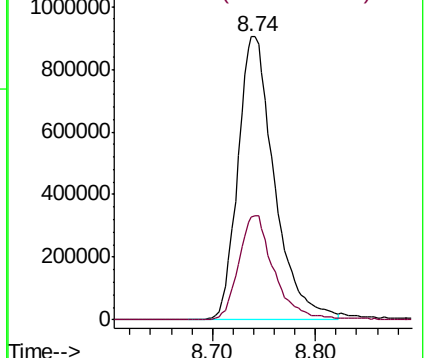
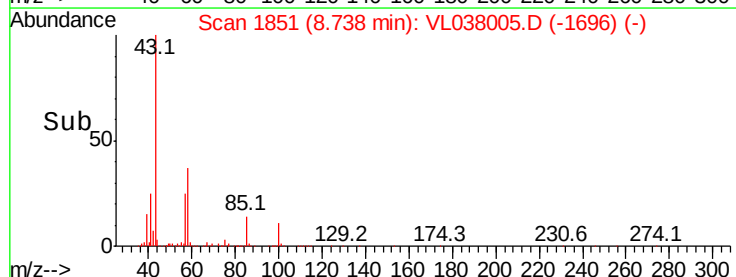
43 100

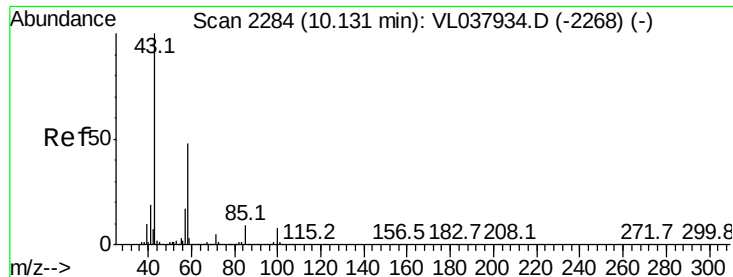
58 36.2 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

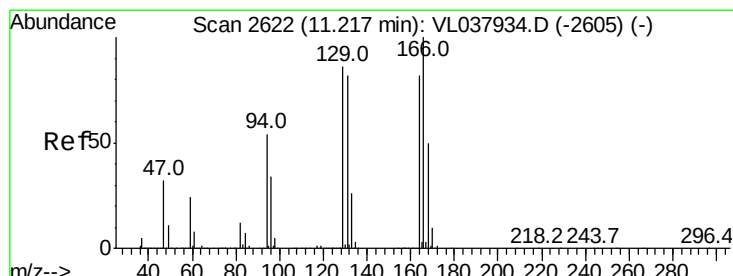
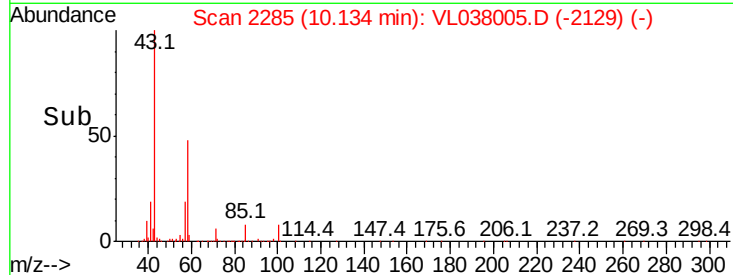
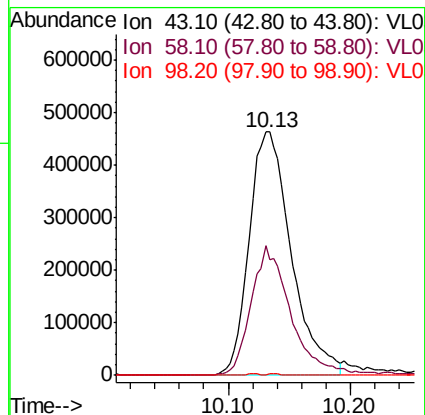
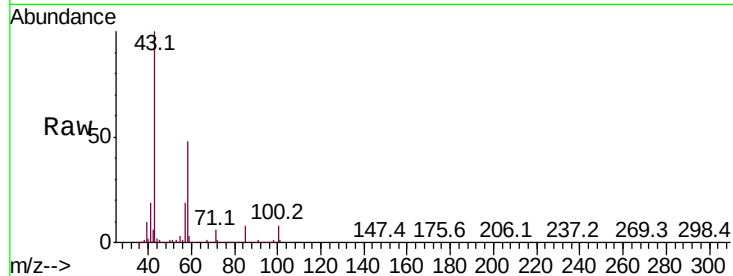
Ion 58.10 (57.80 to 58.80): VL0





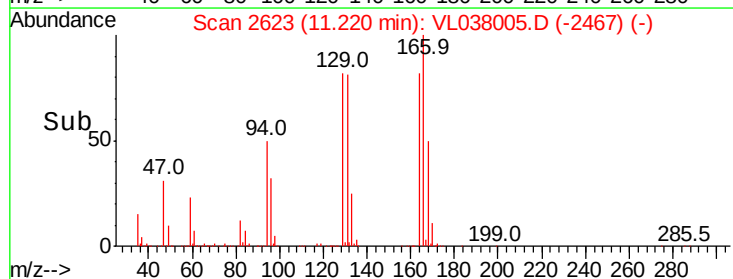
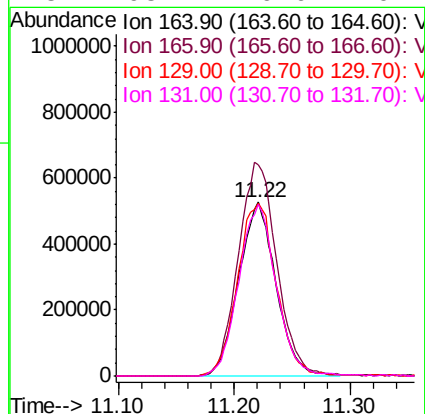
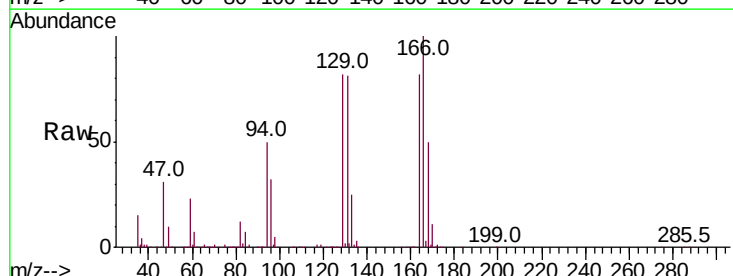
#51
2-Hexanone
Concen: 13.016 ppbv
RT: 10.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 7:56

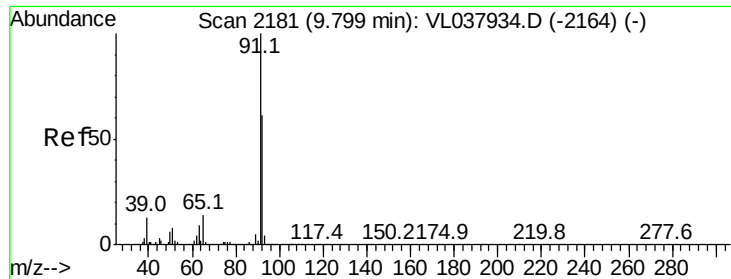
Tot Ion: 43 Resp: 1106156
Ion Ratio Lower Upper
43 100
58 51.2 38.6 57.8
98 0.3 1.0 1.4#



#52
Tetrachloroethene
Concen: 9.174 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL038005.D
Acq: 10 Nov 2021 7:56

Tgt Ion: 164 Resp: 1173726
Ion Ratio Lower Upper
164 100
166 121.7 97.6 146.4
129 99.7 84.2 126.2
131 98.4 79.6 119.4





#53

Toluene

Concen: 10.098 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

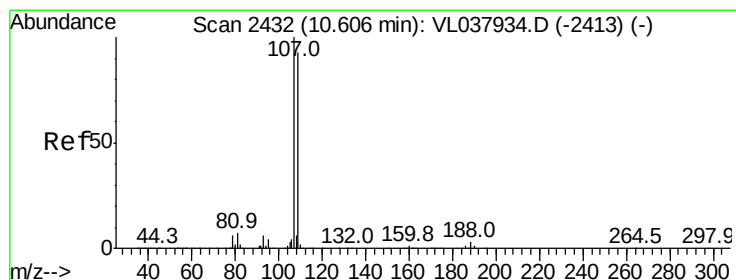
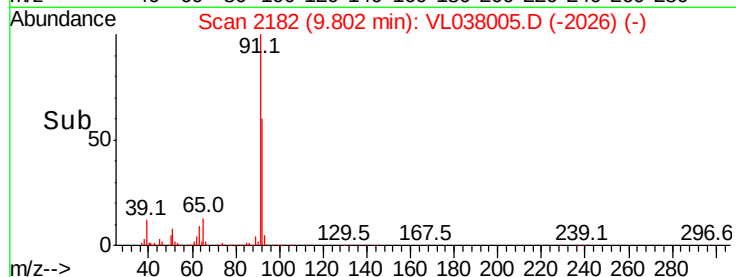
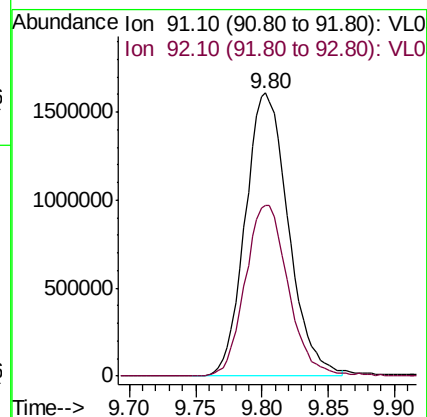
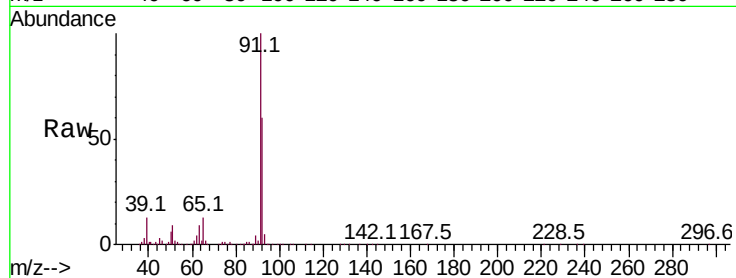
Acq: 10 Nov 2021 7:50

Tot Ion: 91 Resp: 3651180

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.4



#54

1,2-Dibromoethane

Concen: 8.919 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL038005.D

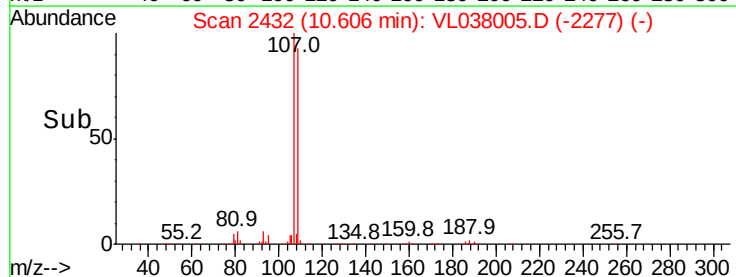
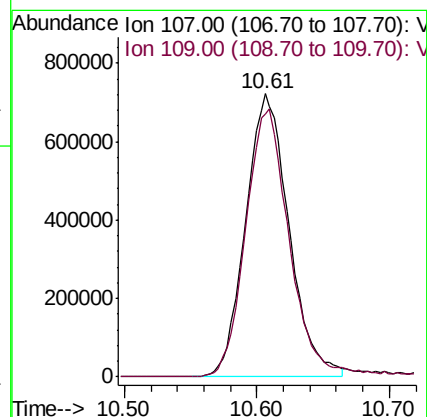
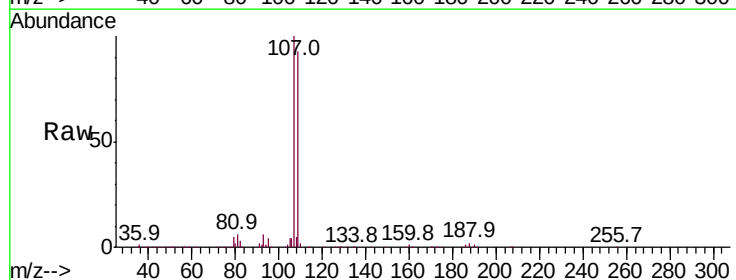
Acq: 10 Nov 2021 7:56

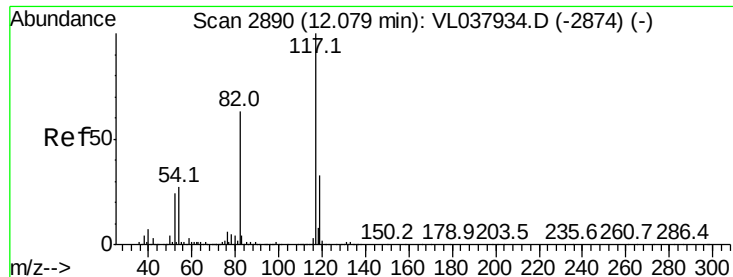
Tgt Ion: 107 Resp: 1640225

Ion Ratio Lower Upper

107 100

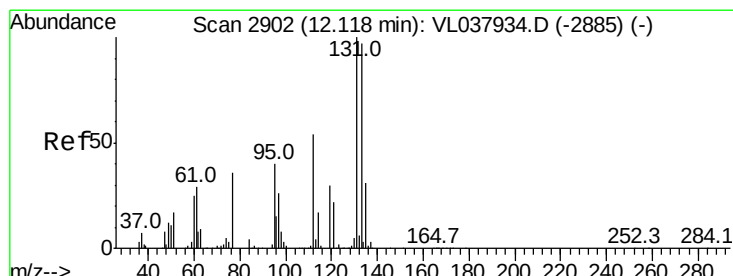
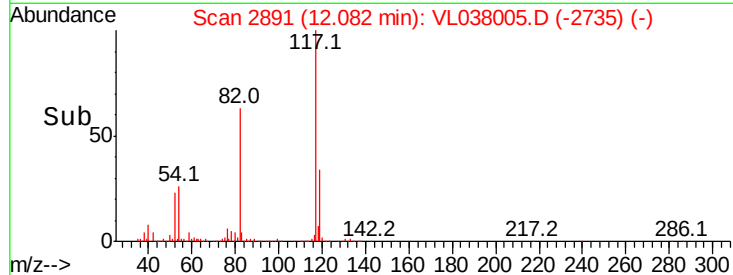
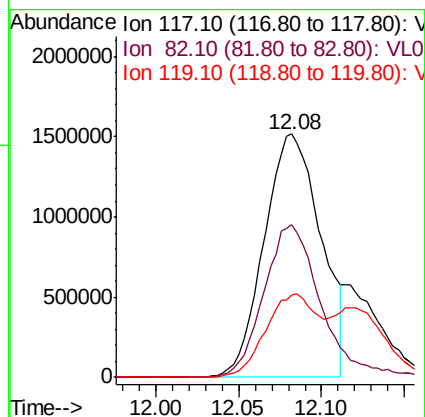
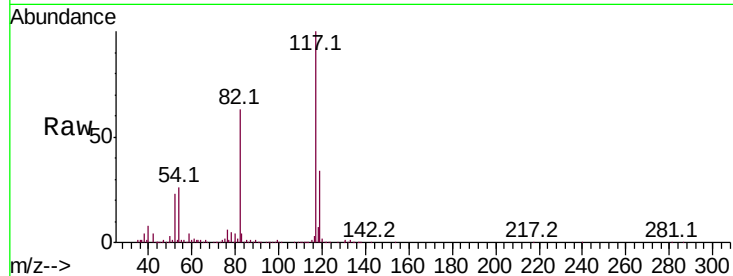
109 92.9 74.5 111.7





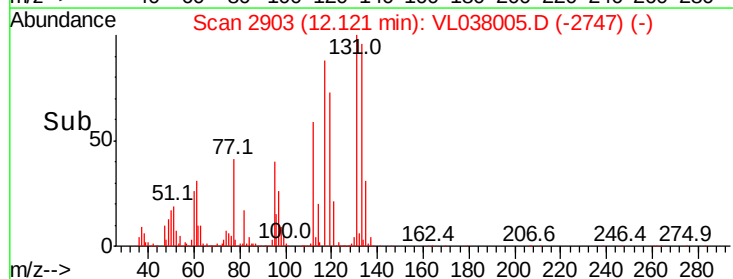
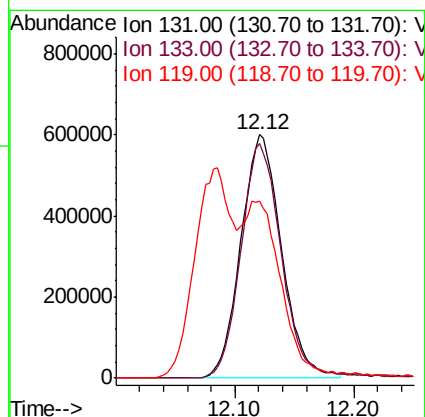
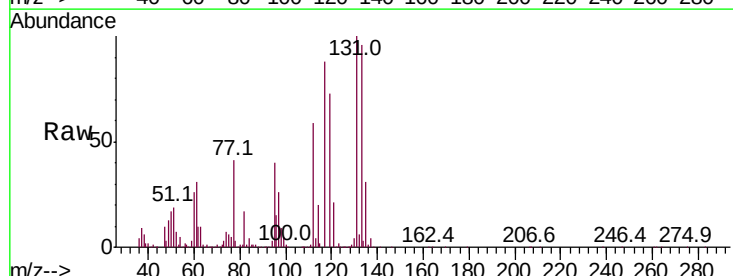
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 7:50

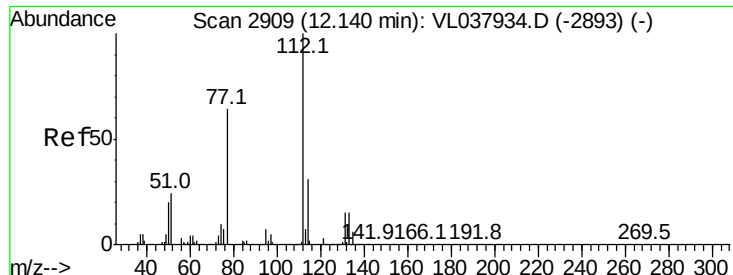
Tot Ion:117 Resp: 3615450
Ion Ratio Lower Upper
117 100
82 65.8 51.0 76.6
119 33.1 26.9 40.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.698 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: 0.00 min
Lab File: VL038005.D
Acq: 10 Nov 2021 7:56

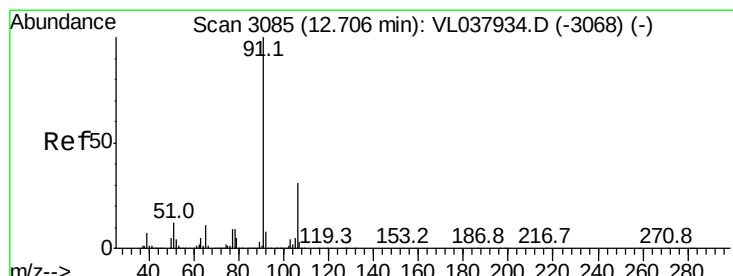
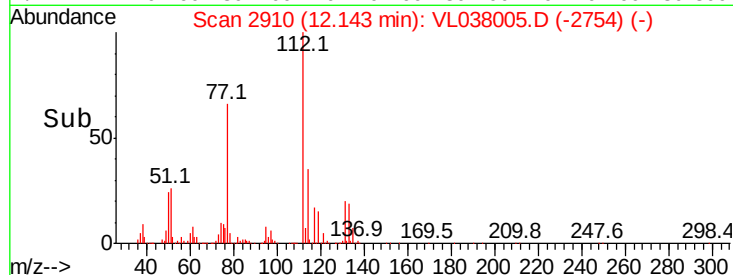
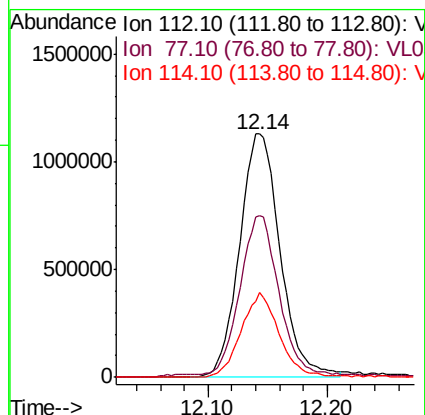
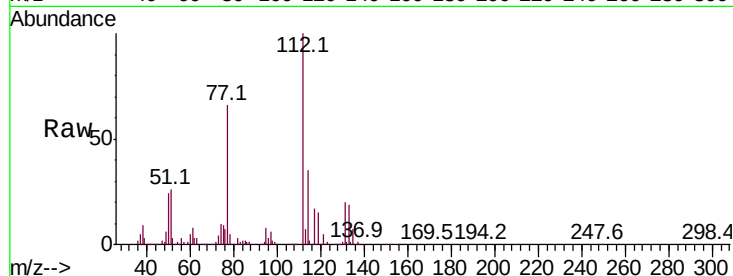
Tgt Ion:131 Resp: 1415634
Ion Ratio Lower Upper
131 100
133 97.1 79.6 119.4
119 70.4 125.4 188.2#





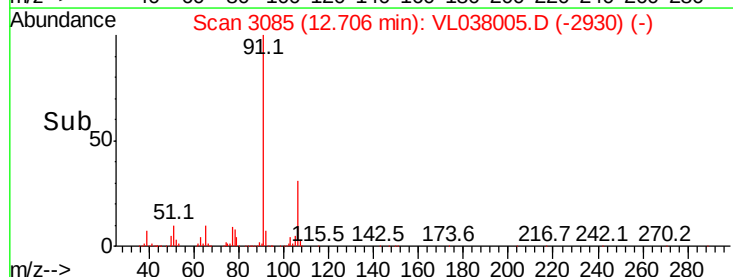
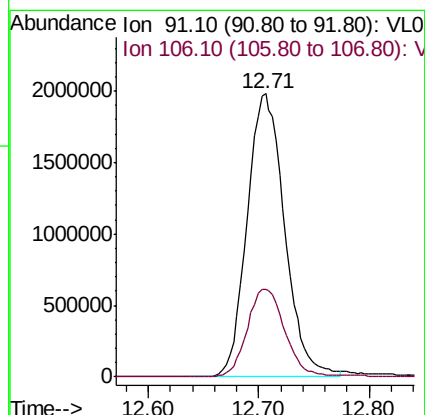
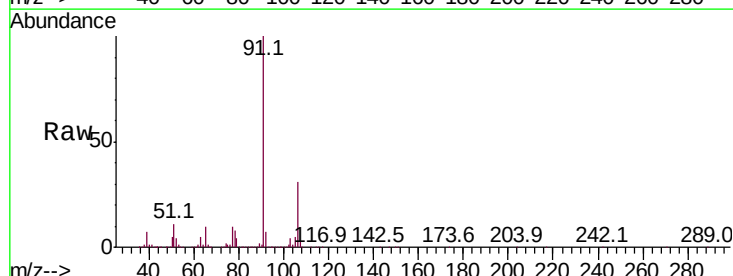
#57
Chlorobenzene
Concen: 9.217 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 Nov 2021 7:58

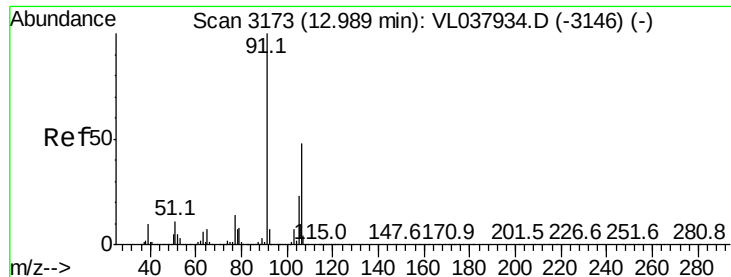
Tot Ion: 112 Resp: 2659787
Ion Ratio Lower Upper
112 100
77 65.2 51.1 76.7
114 34.7 27.9 34.1#



#58
Ethyl Benzene
Concen: 10.567 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VL038005.D
Acq: 10 Nov 2021 7:56

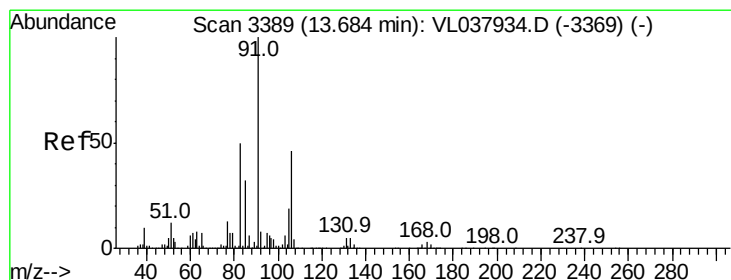
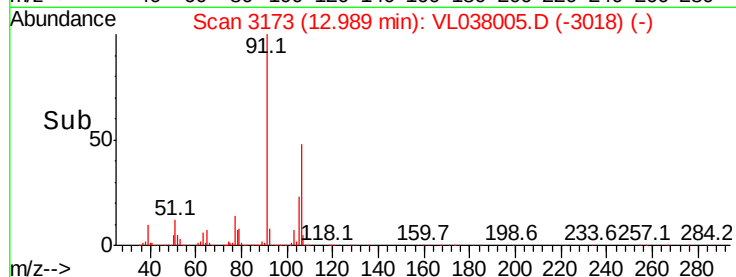
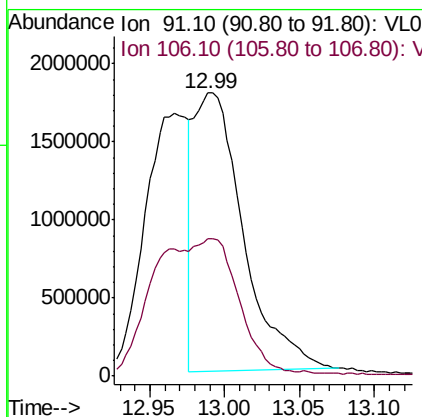
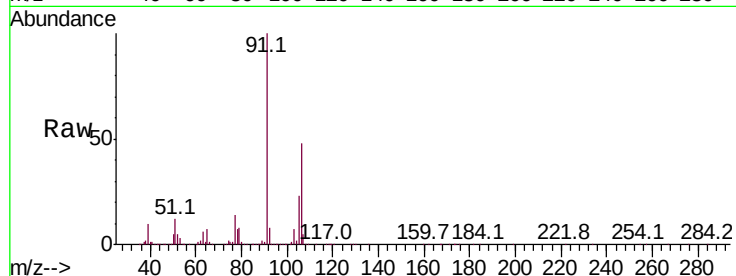
Tgt Ion: 91 Resp: 4672133
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7





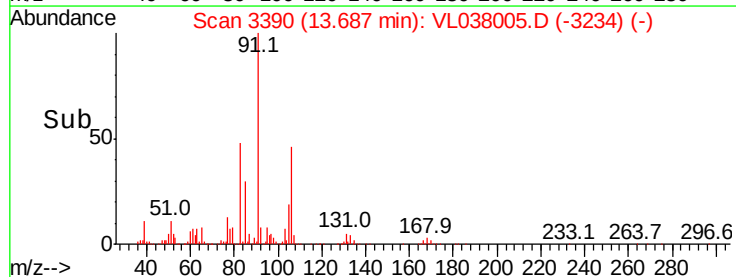
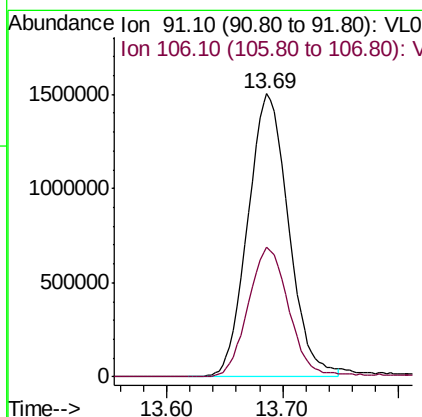
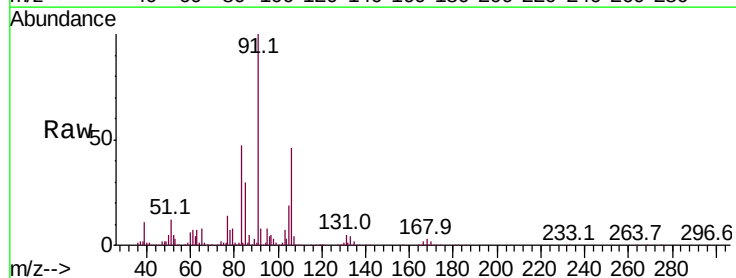
#59
m/p-Xylene
Concen: 10.359 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 7:56

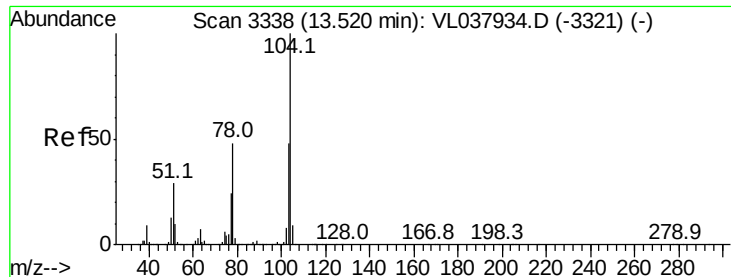
Tot Ion: 91 Resp: 4071039
Ion Ratio Lower Upper
91 100
106 88.8 37.1 55.7#



#60
o-Xylene
Concen: 9.921 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL038005.D
Acq: 10 Nov 2021 7:56

Tgt Ion: 91 Resp: 3675759
Ion Ratio Lower Upper
91 100
106 46.8 23.5 70.6





#61

Stvrene

Concen: 11.435 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 7:56

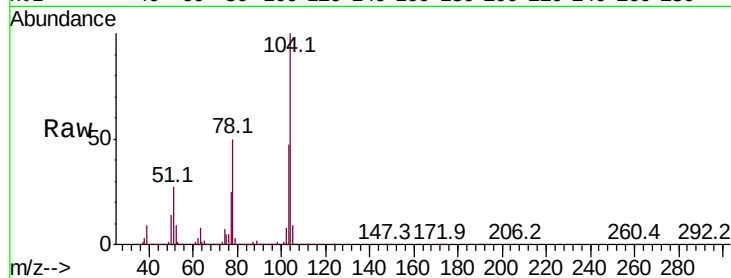
Tot Ion:104 Resp: 1945757

Ion Ratio Lower Upper

104 100

78 49.8 39.3 58.9

103 47.9 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

13.52

800000

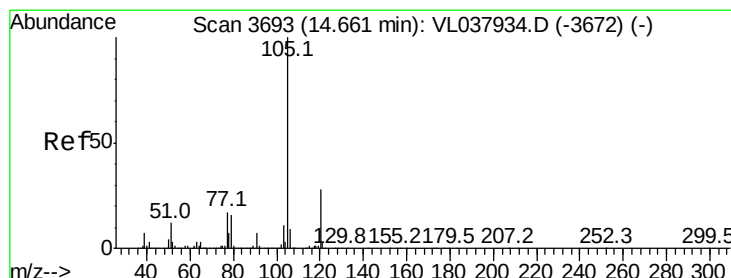
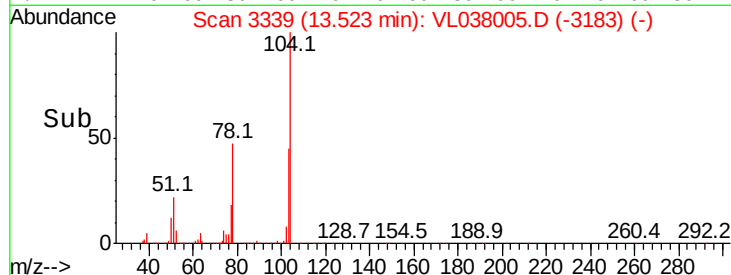
600000

400000

200000

0

Time--> 13.40 13.50 13.60



#62

Isopropylbenzene

Concen: 10.040 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VL038005.D

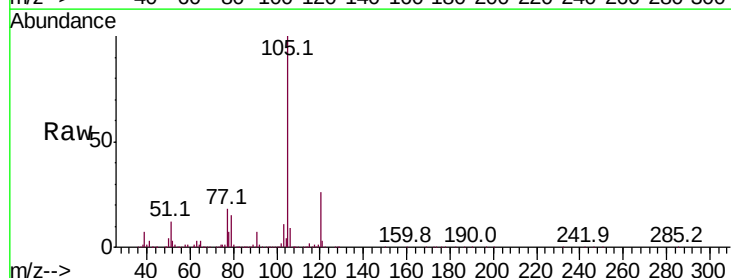
Acq: 10 Nov 2021 7:56

Tgt Ion:105 Resp: 5267601

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

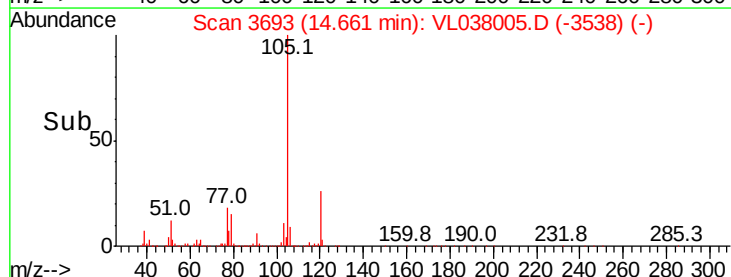
1500000

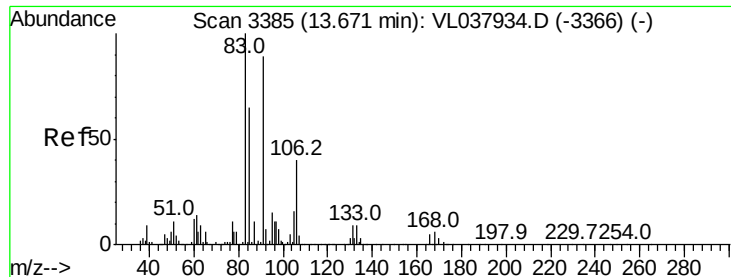
1000000

500000

0

Time--> 14.60 14.70





#63

1,1,2,2-Tetrachloroethane

Concen: 8.611 ppbv

RT: 13.67 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 7:56

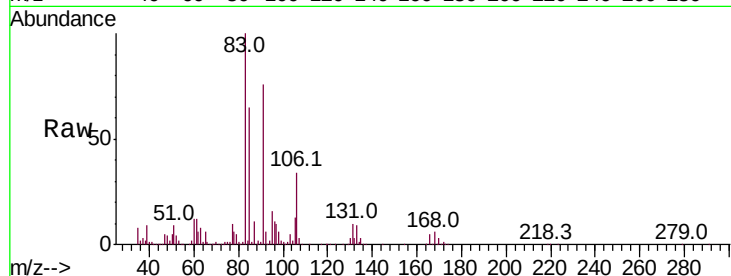
Tot Ion: 83 Resp: 2745979

Ion Ratio Lower Upper

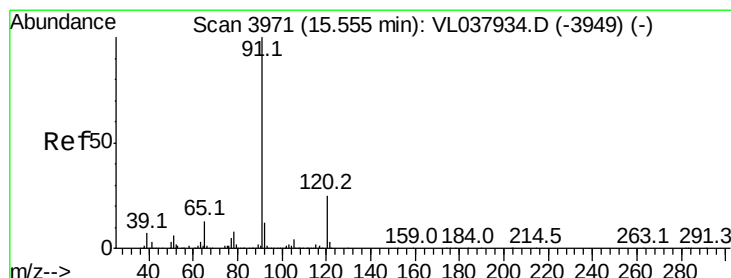
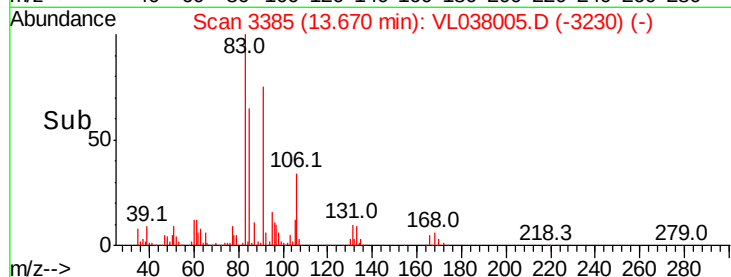
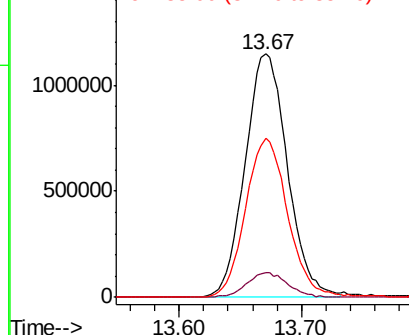
83 100

131 10.1 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): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.511 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VL038005.D

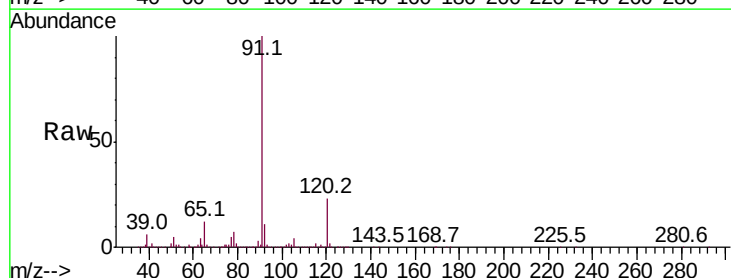
Acq: 10 Nov 2021 7:56

Tgt Ion:120 Resp: 1412946

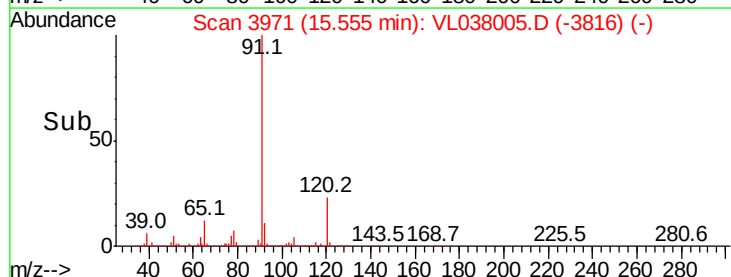
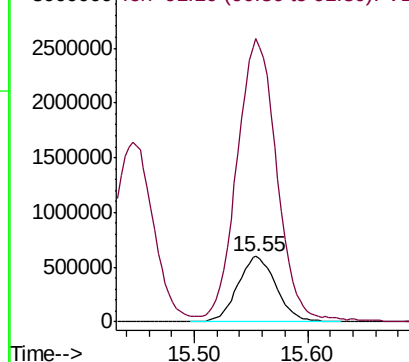
Ion Ratio Lower Upper

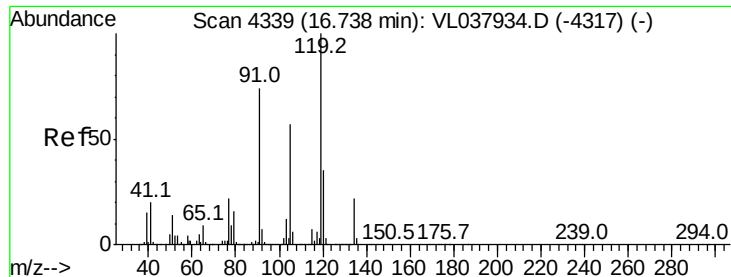
120 100

91 452.4 363.3 544.9



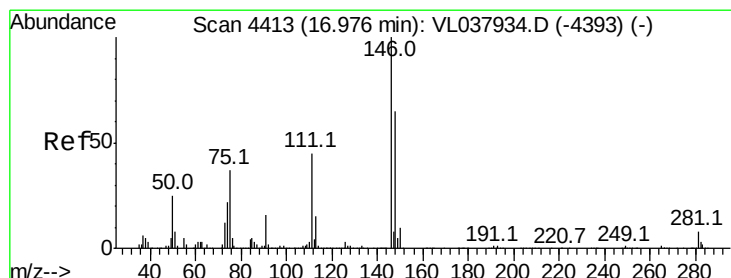
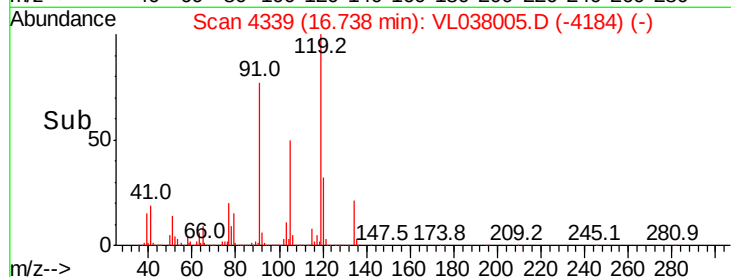
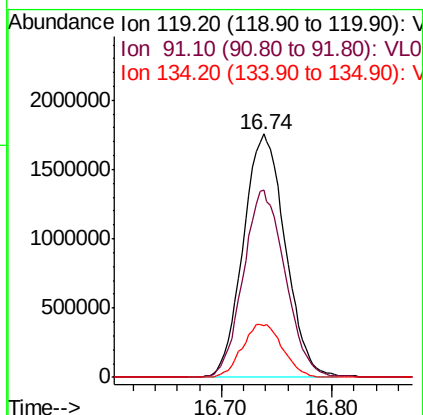
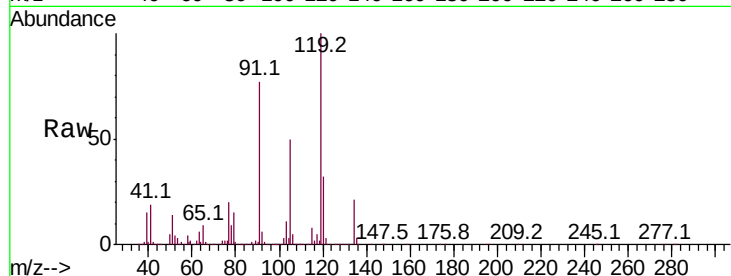
Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





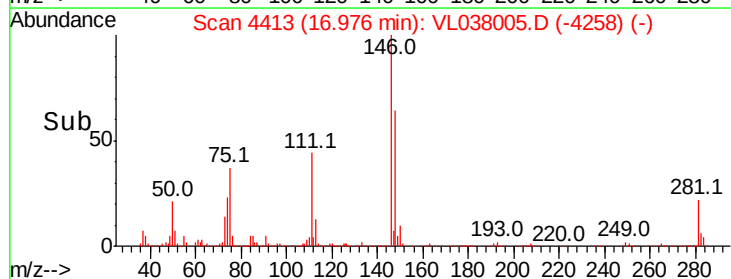
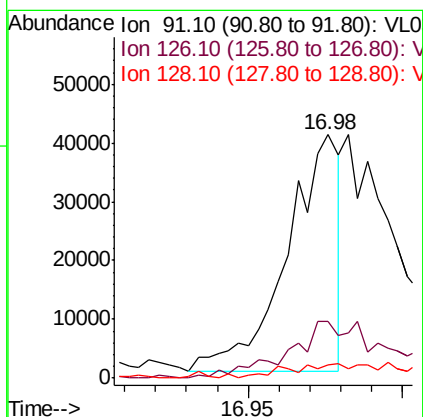
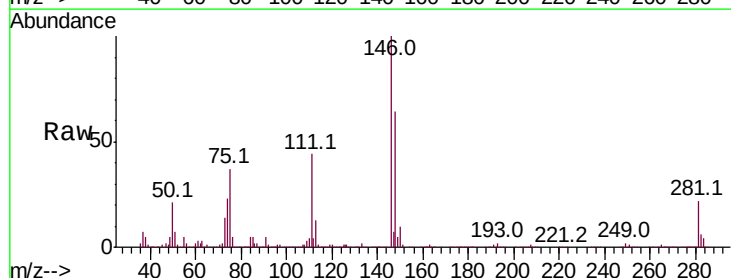
#65
 tert-Butylbenzene
 Concen: 9.983 ppbv
 RT: 16.74
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 7:50

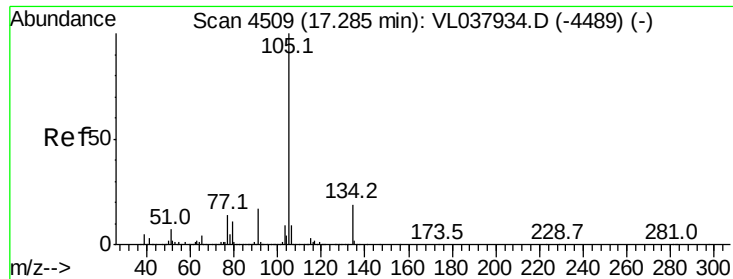
Tot Ion: 119 Resp: 4628380
 Ion Ratio Lower Upper
 119 100
 91 77.2 61.8 92.6
 134 21.0 16.6 25.0



#66
 Benzyl Chloride
 Concen: 1.961 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. -0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

Tgt Ion: 91 Resp: 47518
 Ion Ratio Lower Upper
 91 100
 126 45.0 13.8 20.6#
 128 16.0 5.1 7.7#





#67

sec-Butylbenzene

Concen: 10.161 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

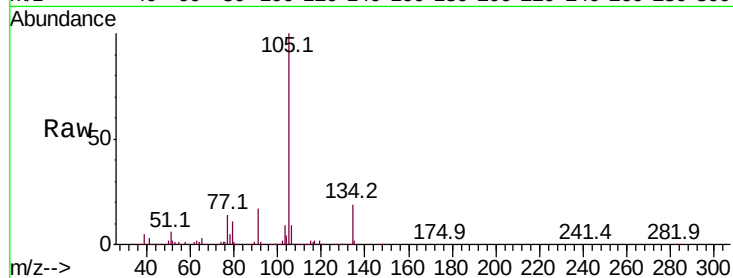
Acq: 10 Nov 2021 7:56

Tot Ion:105 Resp: 6490549

Ion Ratio Lower Upper

105 100

134 19.1 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

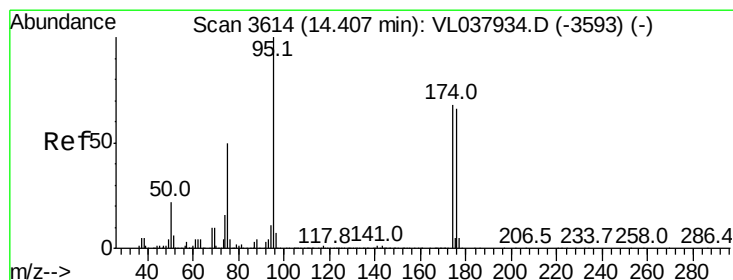
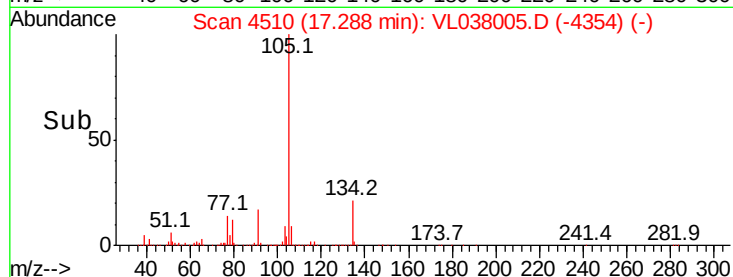
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.962 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

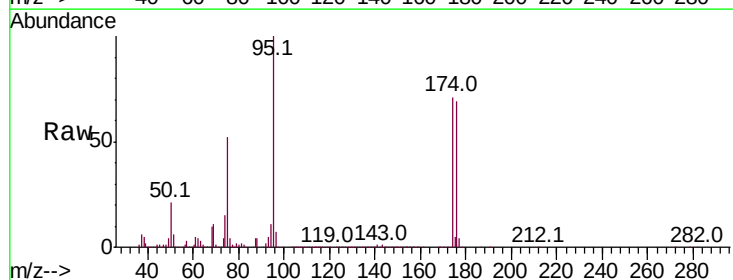
Tgt Ion: 95 Resp: 2618134

Ion Ratio Lower Upper

95 100

174 75.6 58.3 87.5

175 6.0 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

1500000

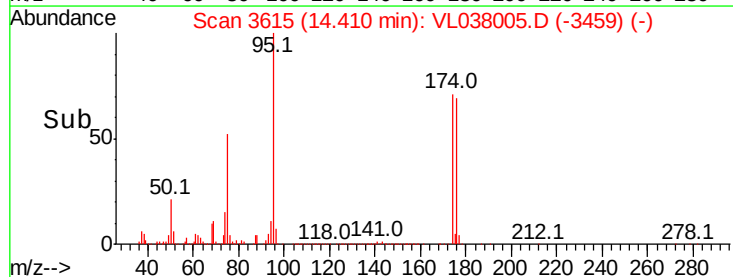
1000000

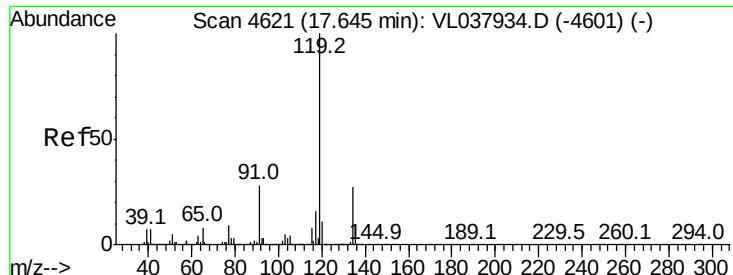
500000

0

14.35 14.40 14.45

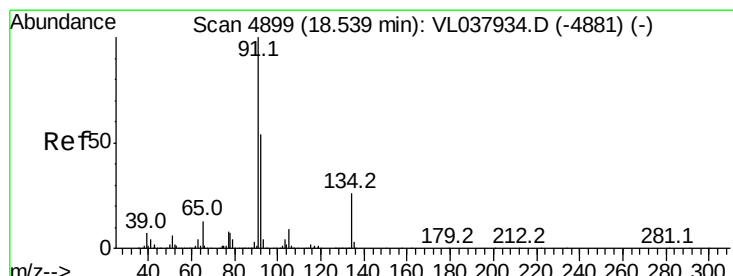
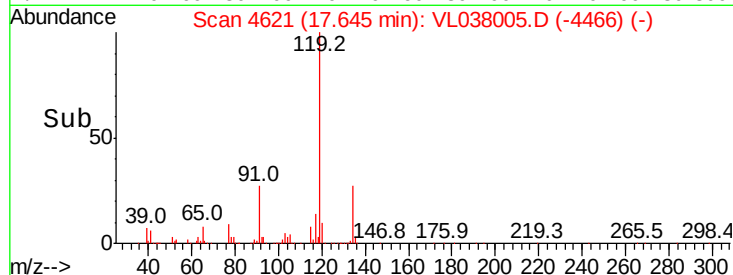
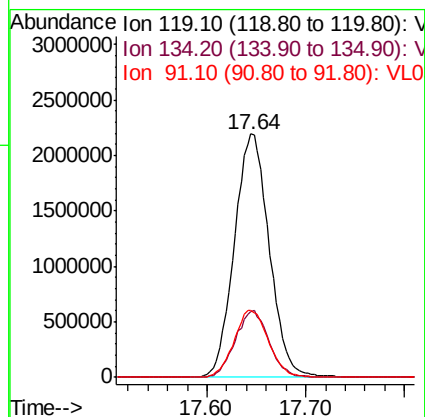
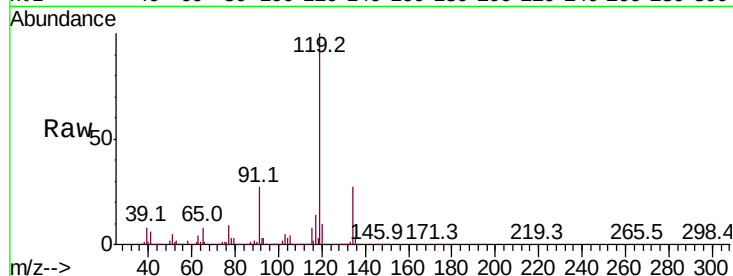
Time-->





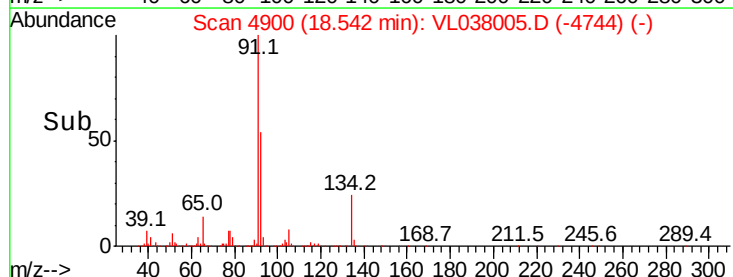
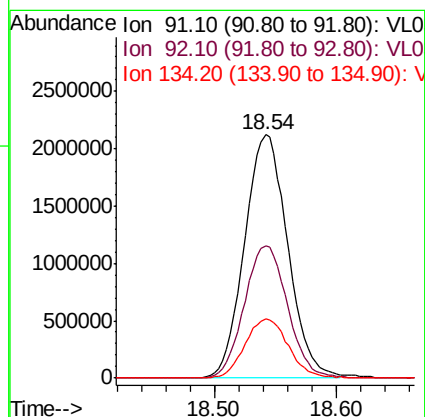
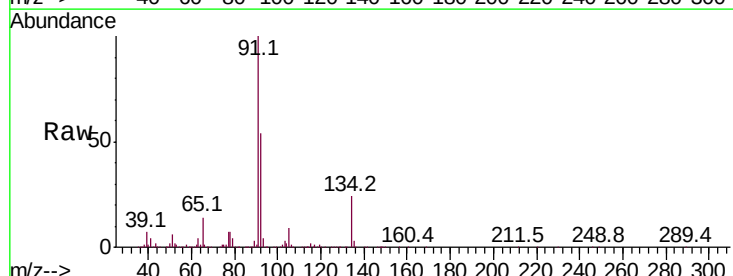
#69
 p-Isopropyltoluene
 Concen: 10.498 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 7:56

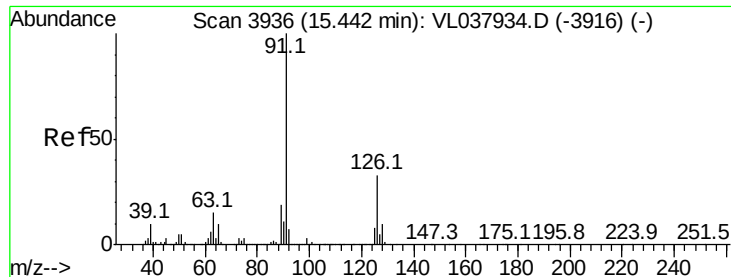
Tot Ion:	119	Resp:	5378990
Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.0	31.4
91	27.2	21.8	32.8



#70
 n-Butylbenzene
 Concen: 11.000 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T.: 0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

Tgt Ion:	91	Resp:	5178958
Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.6	65.4
134	24.6	19.8	29.6





#71

2-Chlorotoluene

Concen: 10.717 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

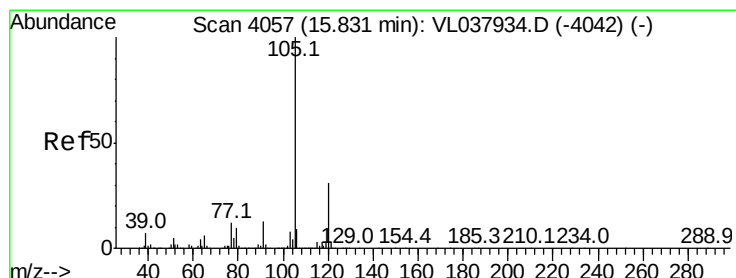
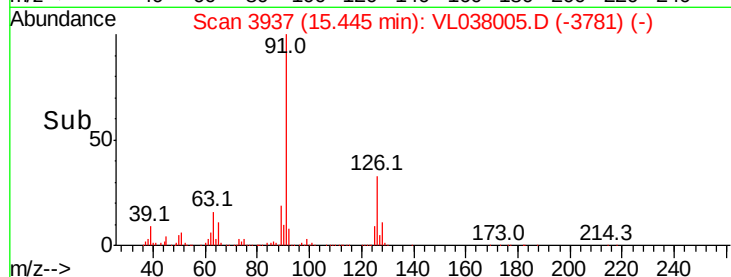
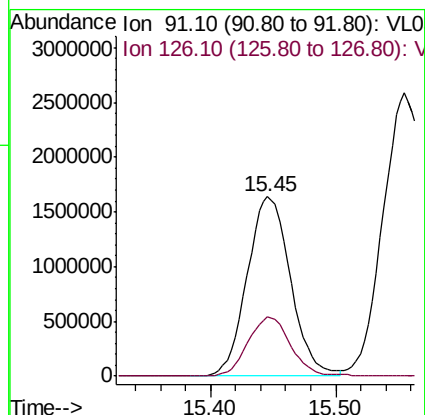
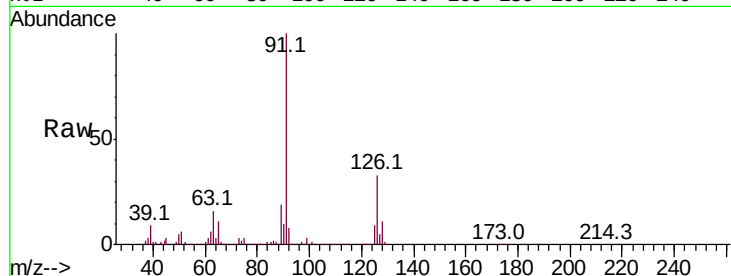
Acq: 10 Nov 2021 7:50

Tot Ion: 91 Resp: 3939492

Ion Ratio Lower Upper

91 100

126 33.1 13.3 53.3



#72

4-Ethyltoluene

Concen: 10.495 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

Tgt Ion: 105 Resp: 4454673

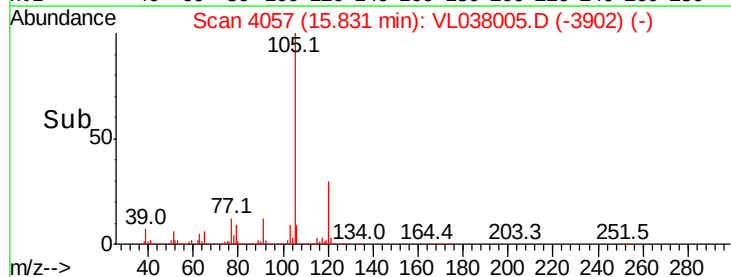
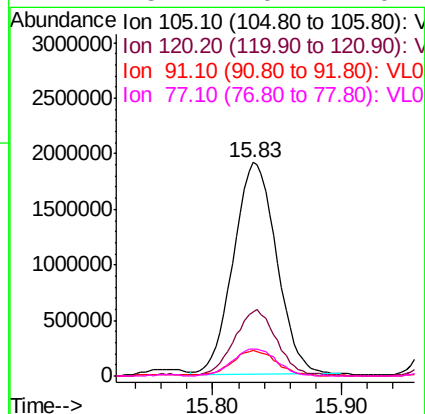
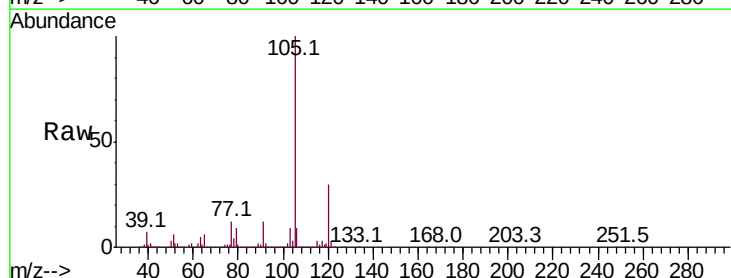
Ion Ratio Lower Upper

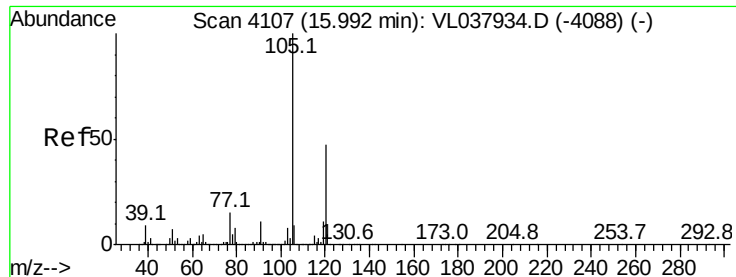
105 100

120 30.8 25.3 37.9

91 12.1 9.9 14.9

77 13.2 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.909 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

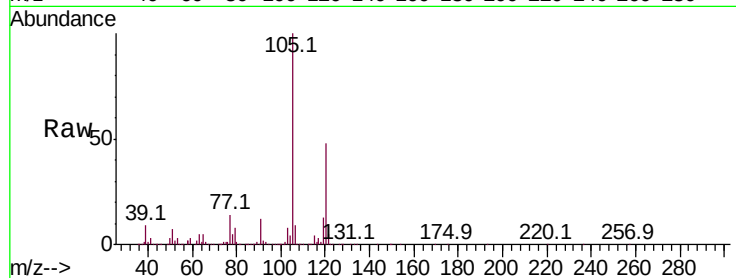
Acq: 10 Nov 2021 7:58

Tot Ion:105 Resp: 3938937

Ion Ratio Lower Upper

105 100

120 47.7 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

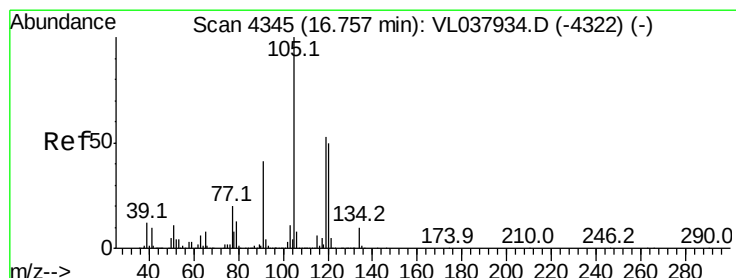
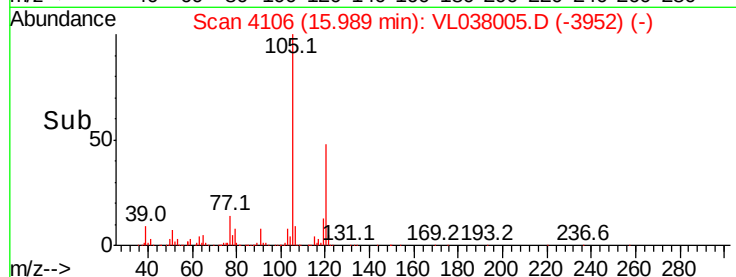
0

15.99

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.787 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

Tgt Ion:105 Resp: 4075665

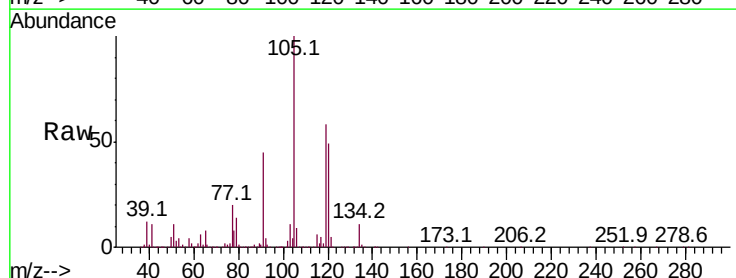
Ion Ratio Lower Upper

105 100

120 49.0 40.0 60.0

91 44.8 32.6 49.0

77 19.7 15.8 23.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

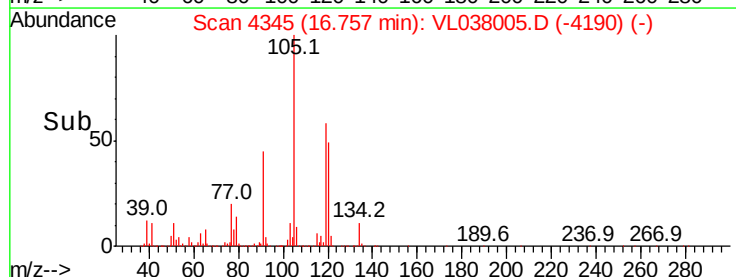
0

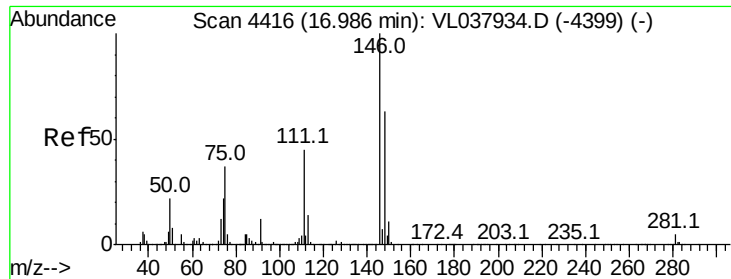
16.76

16.70

16.80

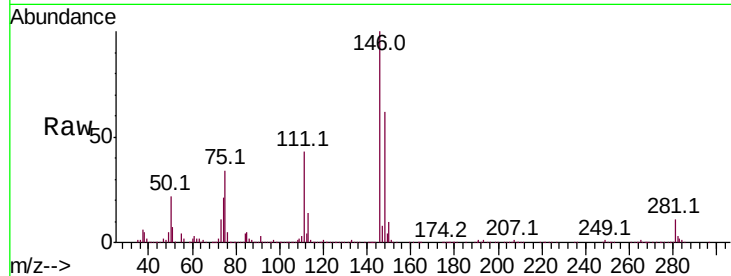
Time-->





#75
 1,3-Dichlorobenzene
 Concen: 9.935 ppbv
 RT: 16.99 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 7:58

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.7	68.1
148	65.0	32.4	97.0

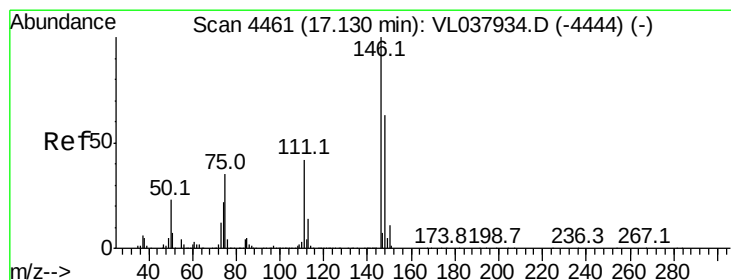
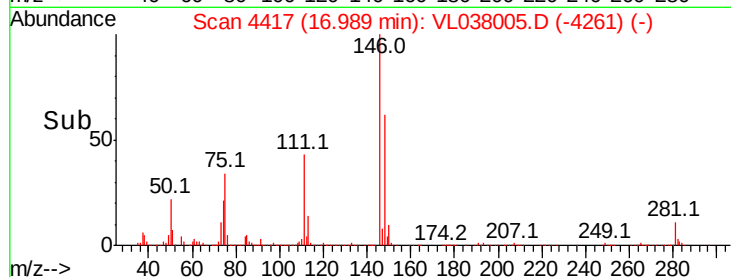
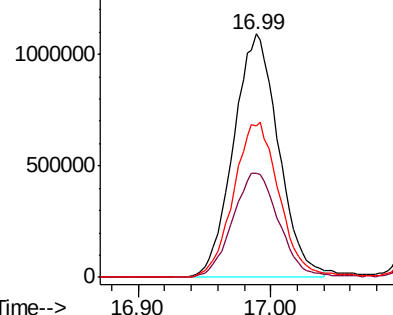


Abundance

Ion 146.00 (145.70 to 146.70): V

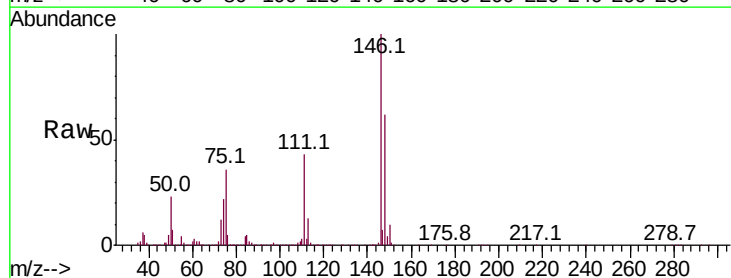
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76
 1,4-Dichlorobenzene
 Concen: 9.755 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.00 min
 Lab File: VL038005.D
 Acq: 10 Nov 2021 7:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.7	68.1
148	67.1	33.5	100.4

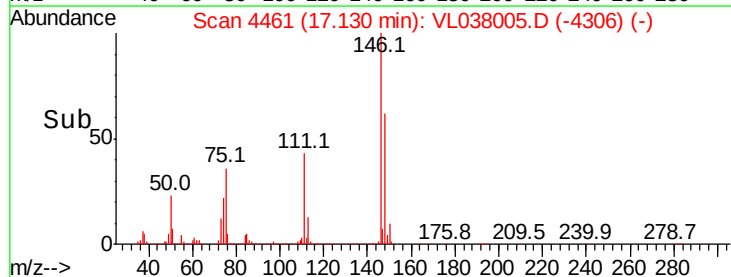
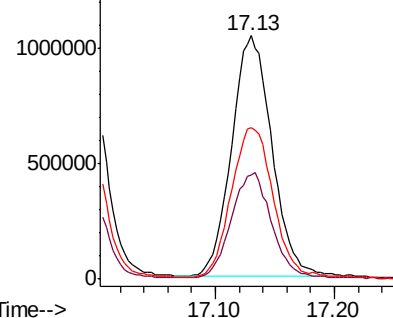


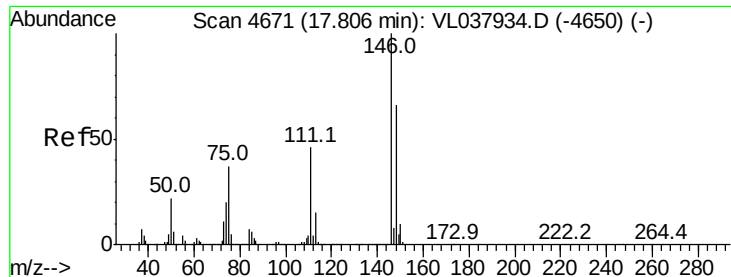
Abundance

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: 10.251 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 7:58

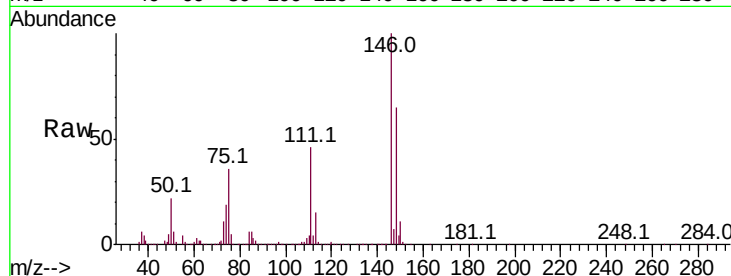
Tot Ion:146 Resp: 2495800

Ion Ratio Lower Upper

146 100

111 45.9 23.4 70.2

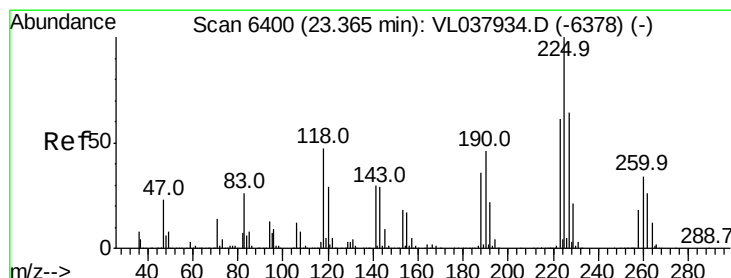
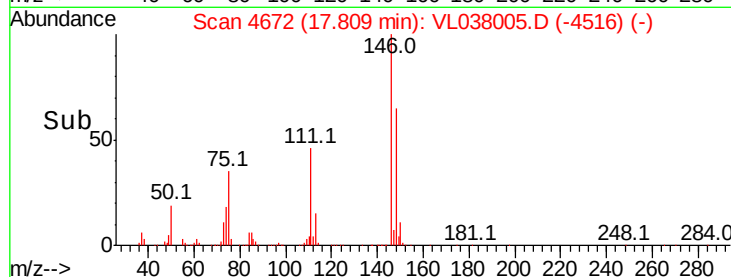
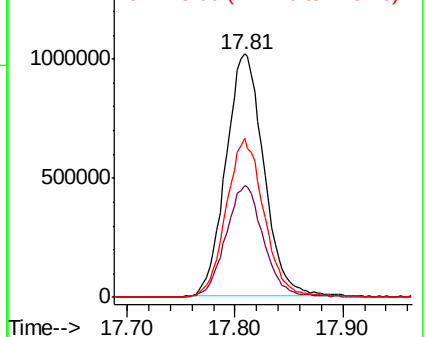
148 65.4 32.6 97.7



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: 9.204 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. -0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

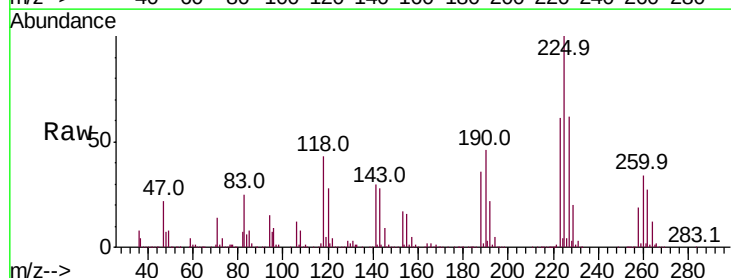
Tgt Ion:225 Resp: 1917933

Ion Ratio Lower Upper

225 100

223 63.7 50.0 75.0

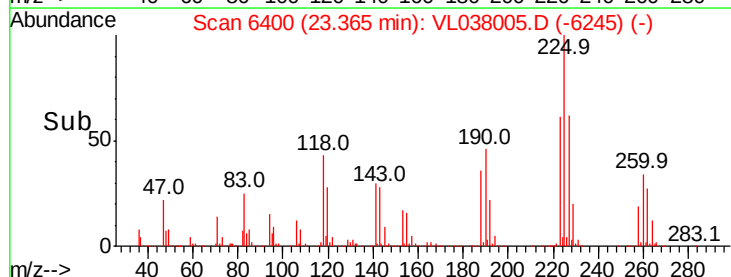
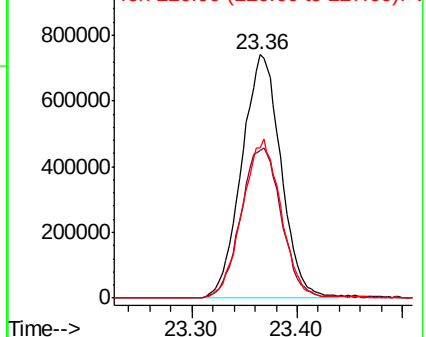
227 64.9 51.5 77.3

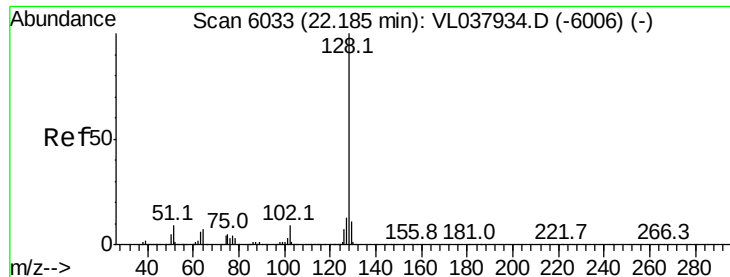


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.186 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 7:56

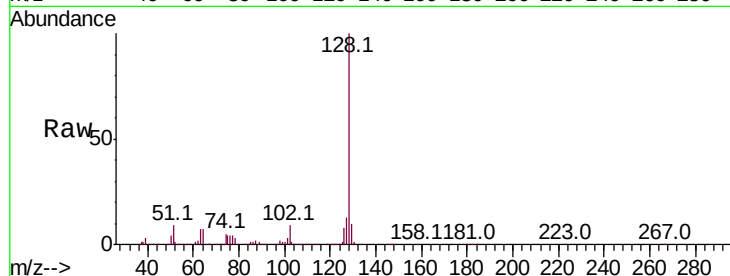
Tot Ion:128 Resp: 2923742

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

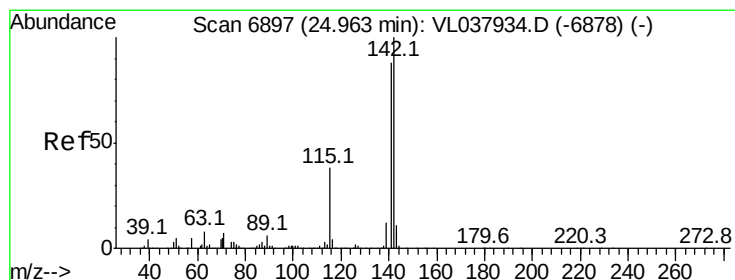
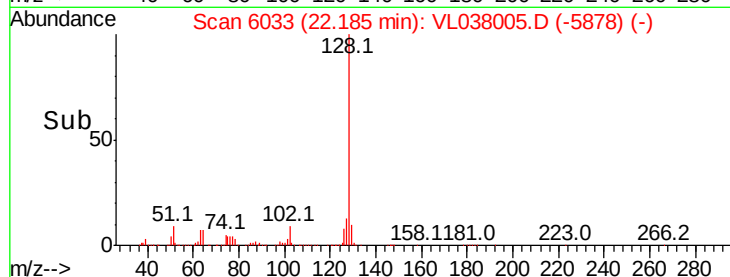
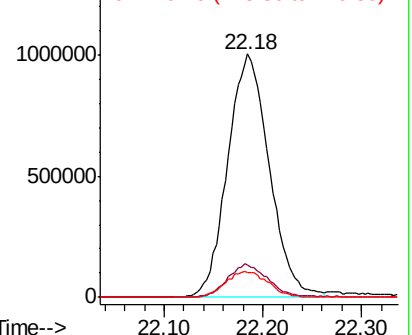
129 10.3 9.0 13.4



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: 13.095 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL038005.D

Acq: 10 Nov 2021 7:56

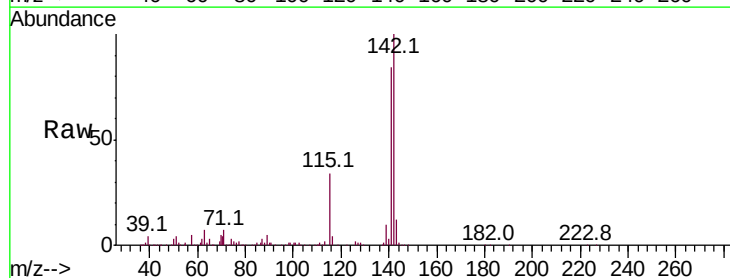
Tgt Ion:142 Resp: 611630

Ion Ratio Lower Upper

142 100

141 85.7 66.4 99.6

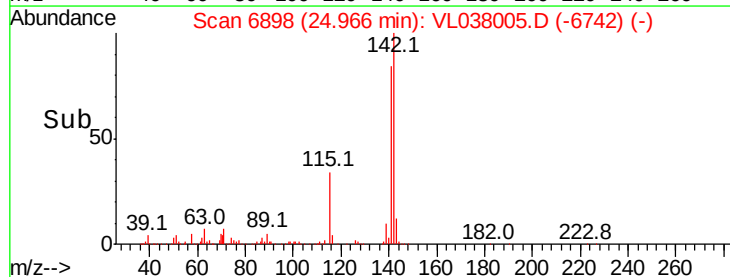
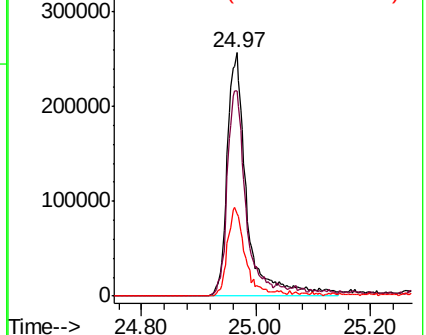
115 34.2 29.0 43.4

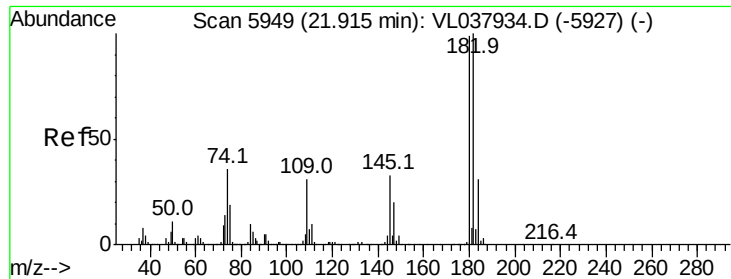


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

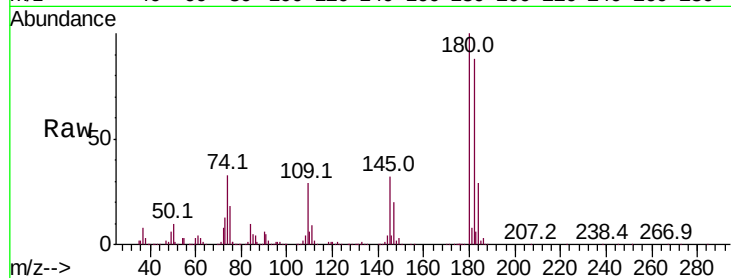
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.668 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 7:58

Tot Ion:180 Resp: 1822131
 Ion Ratio Lower Upper
 180 100
 182 97.7 79.3 118.9
 184 30.9 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

