

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038021.D
 Acq On : 11 Nov 2021 10:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 12 05:53:06 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	5.65	49	1246879	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	3849514	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	4273006	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2640794	8.50	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2094404	11.922	ppbv	94
3) Chlorodifluoromethane	2.98	51	2004993	8.638	ppbv	99
4) Chloromethane	3.13	50	688046	7.800	ppbv	99
5) Vinyl Chloride	3.25	62	700878	8.244	ppbv	97
6) Bromomethane	3.46	94	235241	5.122	ppbv	99
7) Chloroethane	3.55	64	251577	8.197	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1652761	8.167	ppbv	99
9) Propene	3.01	41	693447	8.332	ppbv	95
10) Heptane	8.10	43	1706795	8.815	ppbv	99
11) Trichlorofluoromethane	3.94	101	1508367	8.623	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1168862	8.572	ppbv	100
13) Ethanol	3.61	45	15535	1.850	ppbv #	1
14) Bromoethene	3.73	108	504184	8.452	ppbv	99
15) Acetone	3.84	43	770479	7.478	ppbv	97
16) 1,3-Butadiene	3.32	39	773058	9.522	ppbv	89
17) tert-Butyl alcohol	4.28	59	746055	6.964	ppbv	97
18) 1,1-Dichloroethene	4.28	96	522973	8.333	ppbv	97
19) Isopropyl Alcohol	3.95	45	482164	7.318	ppbv #	92
20) Methylene Chloride	4.33	84	427595	7.559	ppbv	91
21) Allyl Chloride	4.40	41	688489	7.242	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	517945	8.305	ppbv	95
23) Vinyl Acetate	5.06	43	1237466	7.976	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1094437	8.539	ppbv	100
25) Ethyl Acetate	5.66	43	2491072	8.140	ppbv	99
26) Hexane	5.67	57	1256683	8.667	ppbv	94
27) Carbon Disulfide	4.54	76	1304364	9.113	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1091486	8.954	ppbv	99
29) Chloroform	5.74	83	1735033	8.024	ppbv	97
30) Cyclohexane	7.11	84	1075493	8.677	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1170610	8.849	ppbv	100
32) 1,1,1-Trichloroethane	6.49	97	1651570	7.771	ppbv	99
34) 2-Butanone	5.23	43	1104266	7.741	ppbv	99
35) Carbon Tetrachloride	7.00	117	1650583	7.092	ppbv	99
36) Benzene	6.87	78	2602315	8.301	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1248566	8.377	ppbv	97
38) Trichloroethene	7.81	130	1026208	7.887	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1022216	8.666	ppbv	100
40) 1,4-Dioxane	7.81	88	245478	7.902	ppbv	93
41) Tetrahydrofuran	6.03	42	569040	8.153	ppbv	98
42) Bromodichloromethane	7.77	83	1909233	8.473	ppbv	99
43) Methyl Methacrylate	7.99	69	984269	9.565	ppbv	99

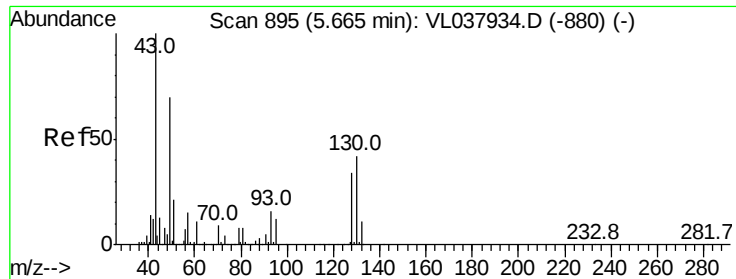
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038021.D
 Acq On : 11 Nov 2021 10:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 12 05:53:06 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	7.85	57	4445916	8.338	ppbv	98
45) t-1,3-Dichloropropene	9.25	75	303081	4.009	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	545628	5.249	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1065245	8.038	ppbv	98
48) Dibromochloromethane	10.28	129	1704703	9.085	ppbv	97
49) Bromoform	13.01	173	1433692	9.666	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	1754830	9.363	ppbv	98
51) 2-Hexanone	10.11	43	915574	11.591	ppbv #	95
52) Tetrachloroethene	11.19	164	1001933	8.425	ppbv	97
53) Toluene	9.78	91	3110985	9.257	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1423651	8.329	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1179798	6.839	ppbv	96
57) Chlorobenzene	12.12	112	2286364	6.704	ppbv	99
58) Ethyl Benzene	12.68	91	4080881	7.810	ppbv	100
59) m/p-Xylene	12.97	91	3761267	8.098	ppbv #	49
60) o-Xylene	13.66	91	3167063	7.232	ppbv	97
61) Styrene	13.50	104	1705477	8.480	ppbv	100
62) Isopropylbenzene	14.64	105	4534888	7.314	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	2276043	6.039	ppbv	99
64) n-propylbenzene	15.53	120	1204717	7.583	ppbv	98
65) tert-Butylbenzene	16.72	119	3953860	7.215	ppbv	100
66) Benzyl Chloride	16.72	91	3048947	106.483	ppbv #	66
67) sec-Butylbenzene	17.26	105	5530134	7.325	ppbv	99
69) p-Isopropyltoluene	17.63	119	4588487	7.577	ppbv	100
70) n-Butylbenzene	18.52	91	4427280	7.956	ppbv	100
71) 2-Chlorotoluene	15.42	91	3368668	7.754	ppbv	99
72) 4-Ethyltoluene	15.81	105	3787389	7.550	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	3366372	7.166	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	3473258	7.057	ppbv #	91
75) 1,3-Dichlorobenzene	16.97	146	2137546	6.975	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2049229	6.911	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	1251990	4.351	ppbv #	50
78) Hexachloro-1,3-Butadiene	23.34	225	1561303	6.339	ppbv	98
79) Naphthalene	22.16	128	2313316	8.158	ppbv	97
80) Naphthalene, 2-methyl-	24.95	142	361507	6.549	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	1408397	7.631	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File:

Acq: 11 Nov 2021 10:09

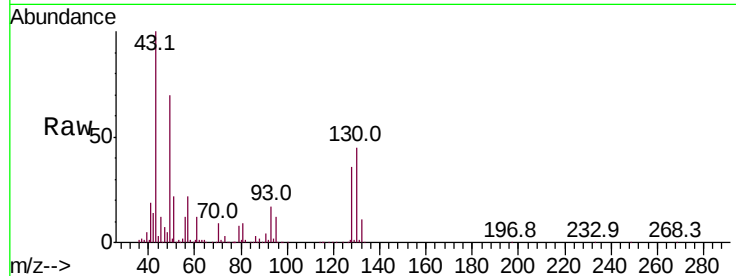
Tot Ion: 49 Resp: 1246879

Ion Ratio Lower Upper

49 100

128 55.7 27.0 81.0

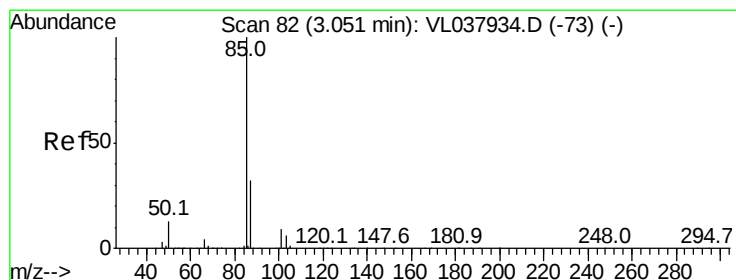
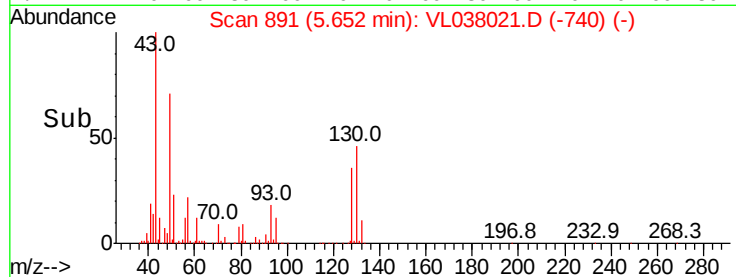
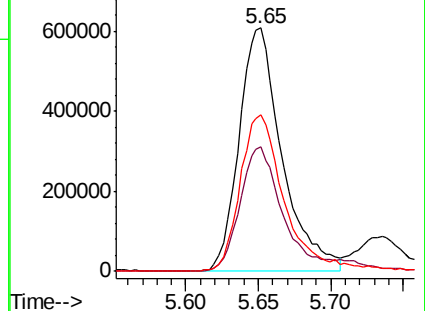
130 67.4 33.4 100.2



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: 11.922 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL038021.D

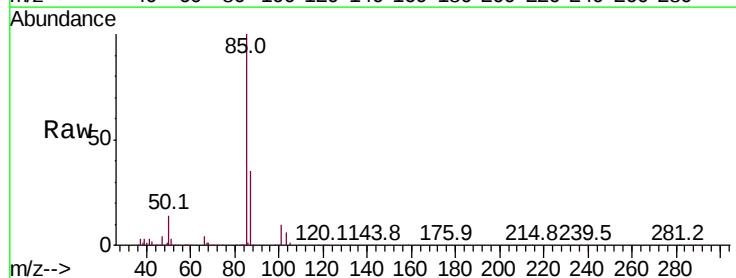
Acq: 11 Nov 2021 10:09

Tgt Ion: 85 Resp: 2094404

Ion Ratio Lower Upper

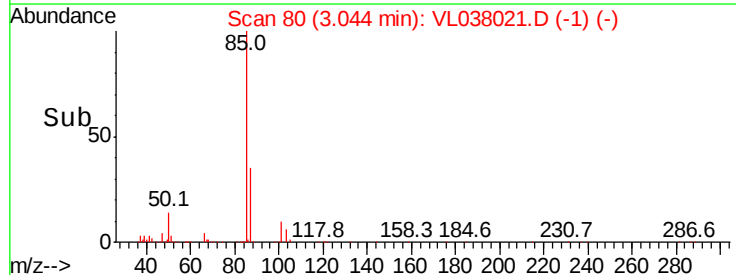
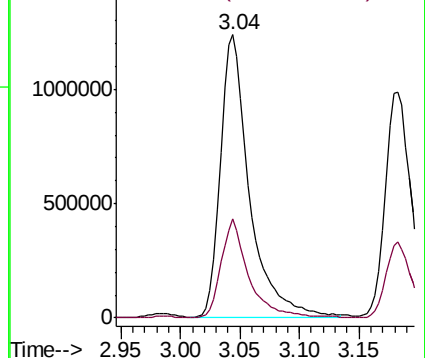
85 100

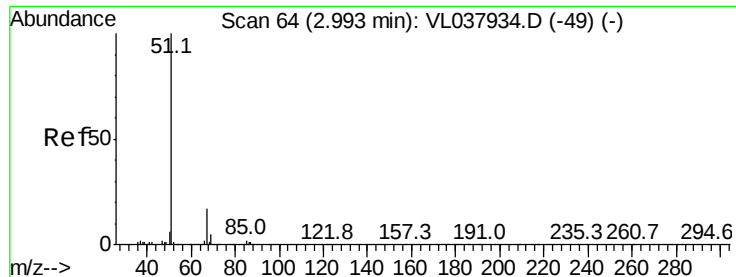
87 34.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.638 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

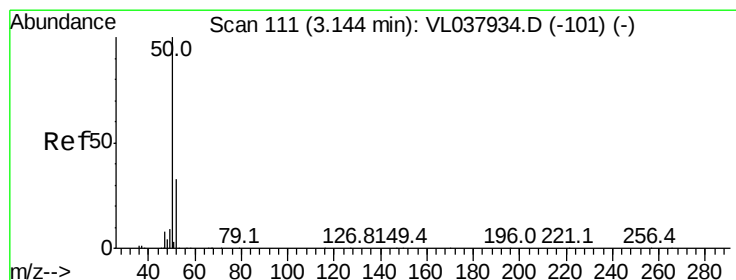
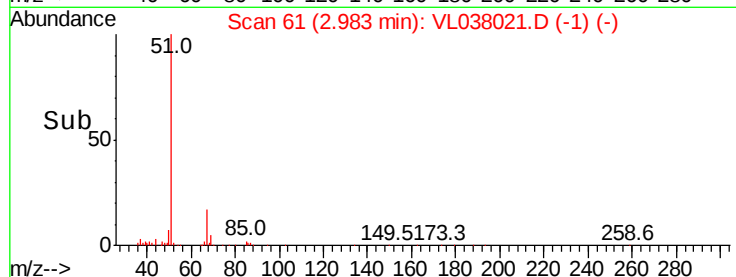
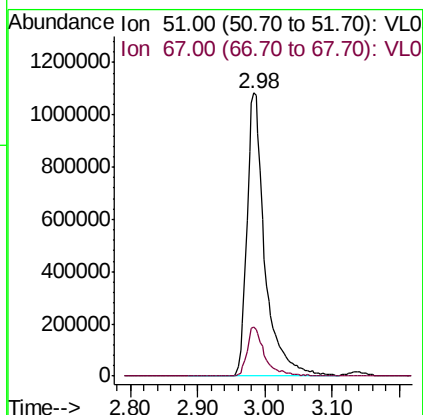
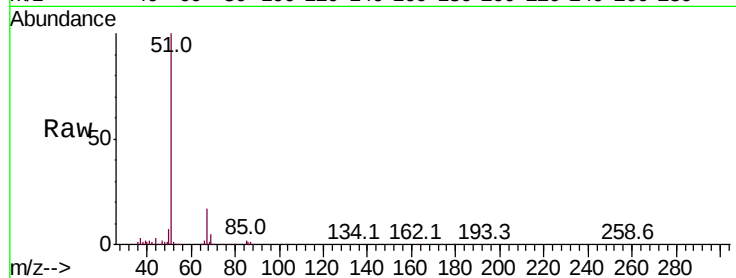
Acq: 11 Nov 2021 10:09

Tot Ion: 51 Resp: 2004993

Ion Ratio Lower Upper

51 100

67 17.1 13.4 20.0



#4

Chloromethane

Concen: 7.800 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL038021.D

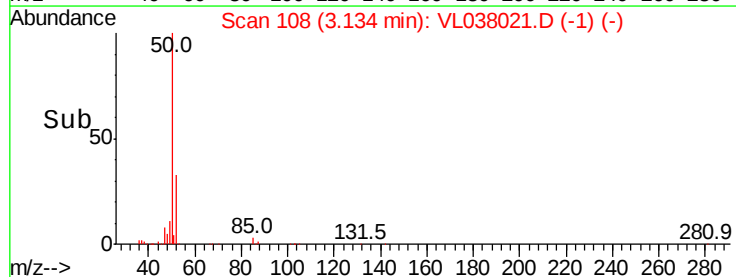
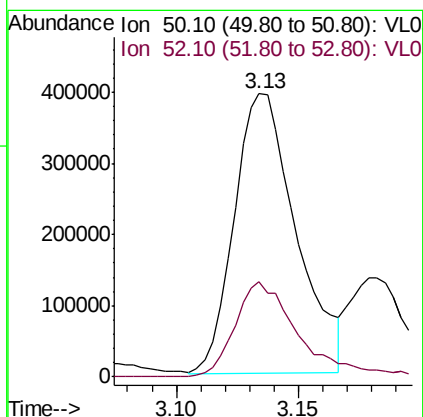
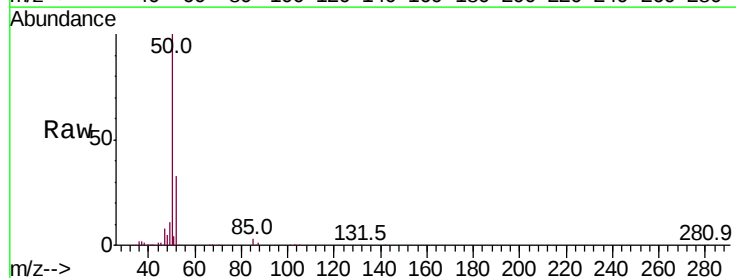
Acq: 11 Nov 2021 10:09

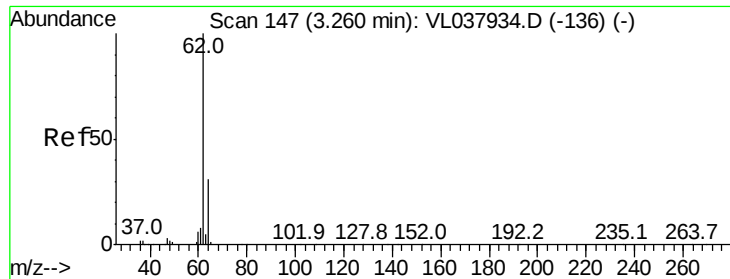
Tgt Ion: 50 Resp: 688046

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5





#5

Vinyl Chloride

Concen: 8.244 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

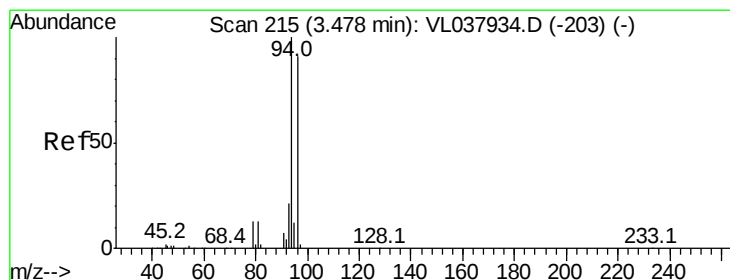
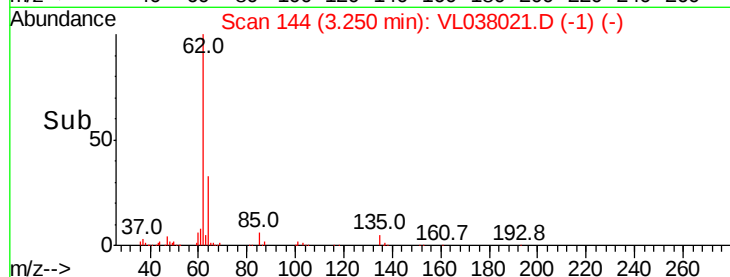
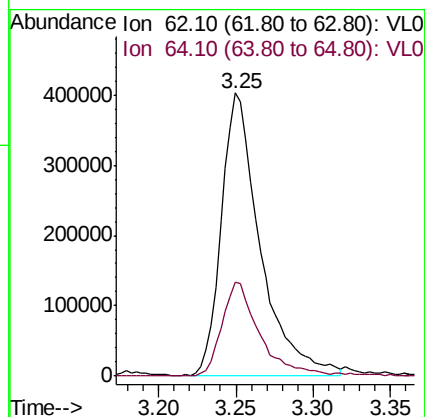
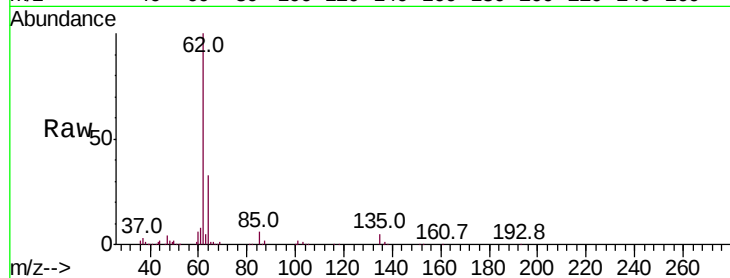
Acq: 11 Nov 2021 10:09

Tot Ion: 62 Resp: 700878

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1



#6

Bromomethane

Concen: 5.122 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL038021.D

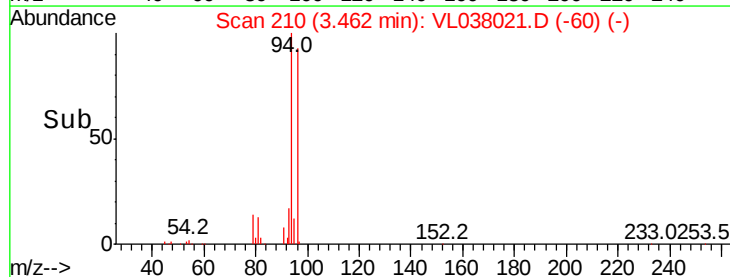
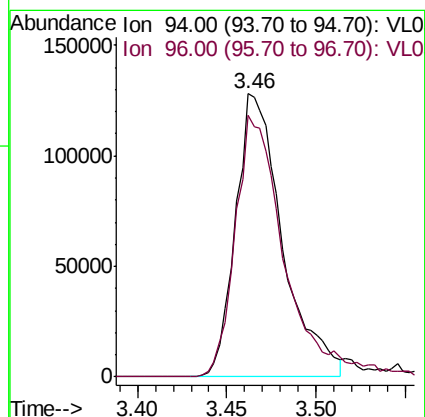
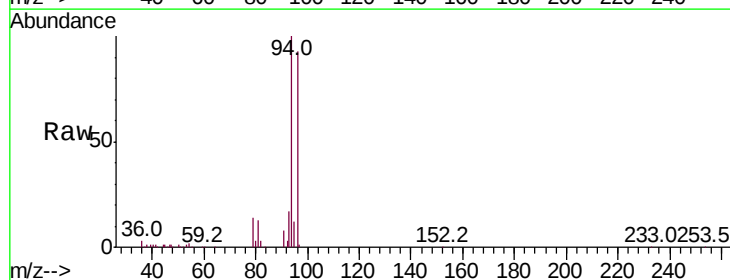
Acq: 11 Nov 2021 10:09

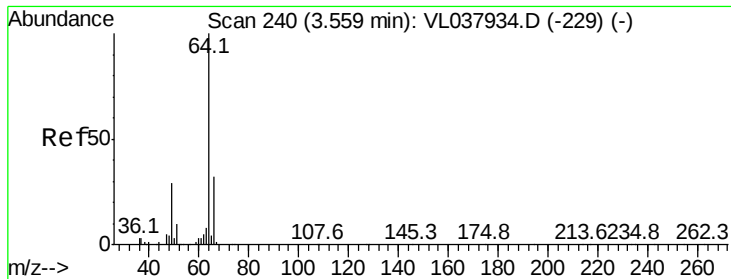
Tgt Ion: 94 Resp: 235241

Ion Ratio Lower Upper

94 100

96 92.5 73.0 109.4





#7

Chloroethane

Concen: 8.197 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

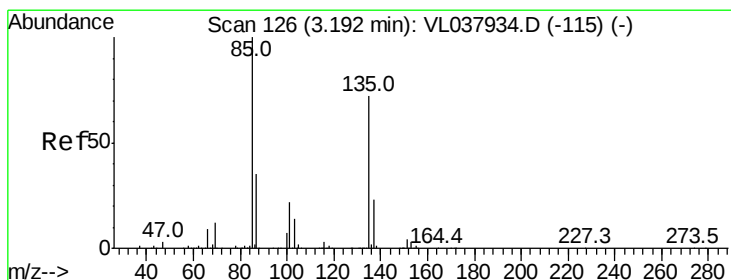
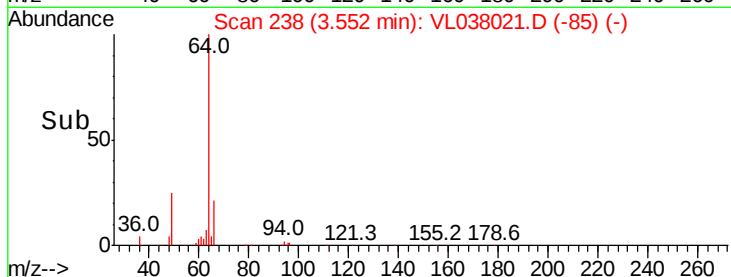
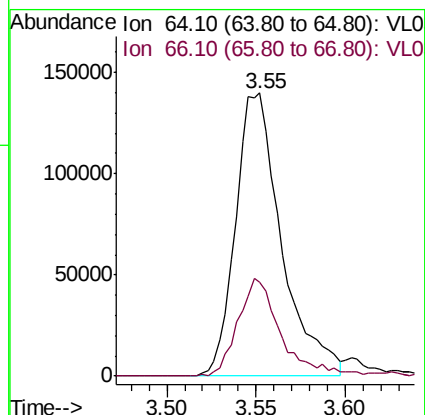
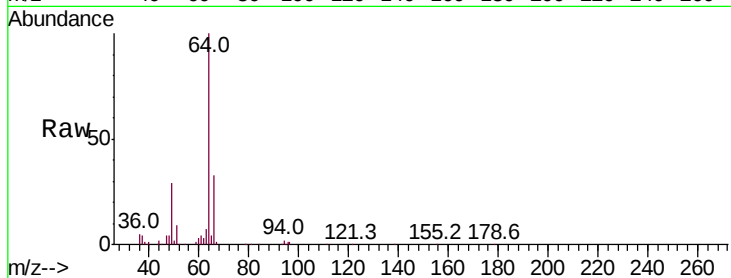
Acq: 11 Nov 2021 10:09

Tot Ion: 64 Resp: 251577

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 8.167 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL038021.D

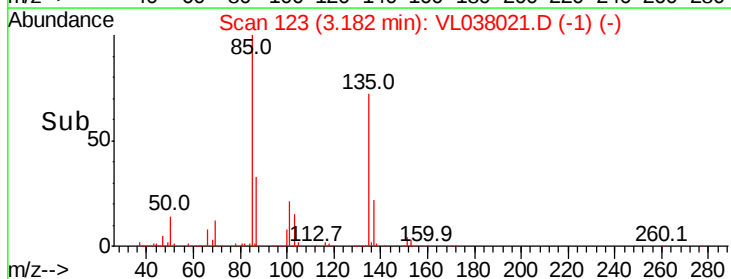
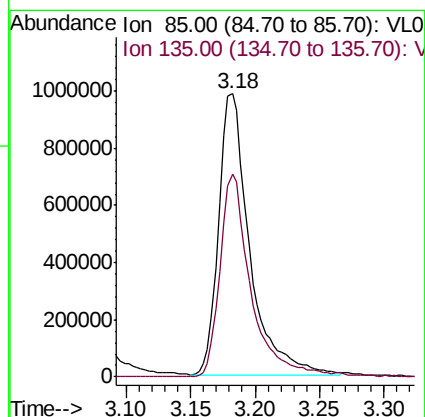
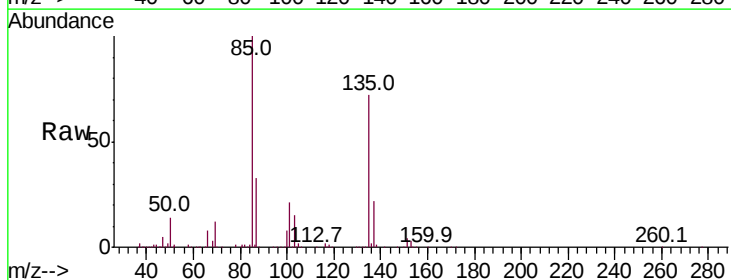
Acq: 11 Nov 2021 10:09

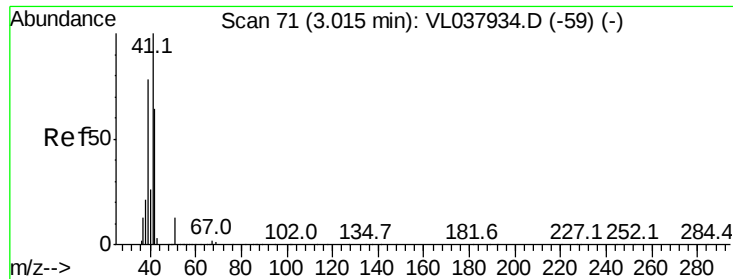
Tgt Ion: 85 Resp: 1652761

Ion Ratio Lower Upper

85 100

135 72.9 58.8 88.2





#9

Propene

Concen: 8.332 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File:

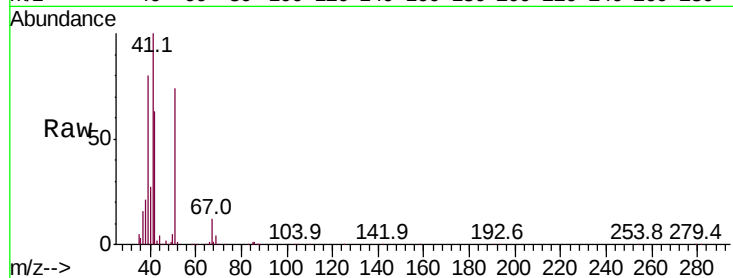
Acq: 11 Nov 2021 10:09

Tot Ion: 41 Resp: 693447

Ion Ratio Lower Upper

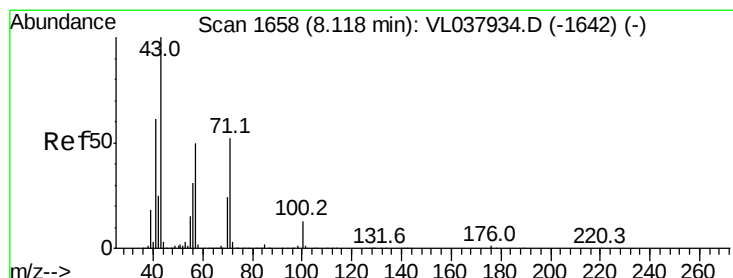
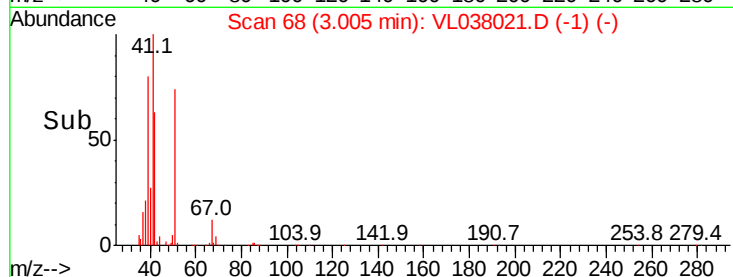
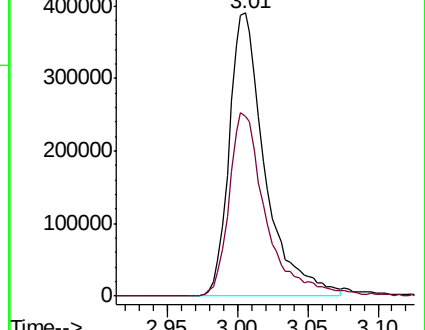
41 100

42 67.6 57.6 86.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.815 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.02 min

Lab File: VL038021.D

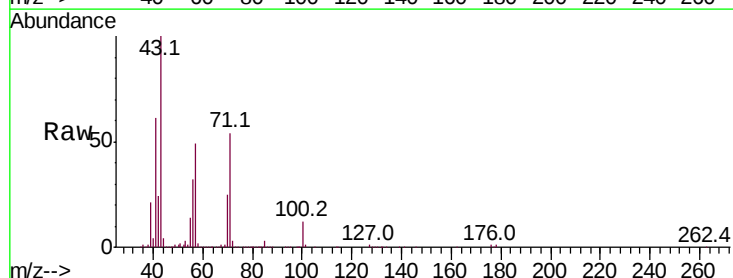
Acq: 11 Nov 2021 10:09

Tgt Ion: 43 Resp: 1706795

Ion Ratio Lower Upper

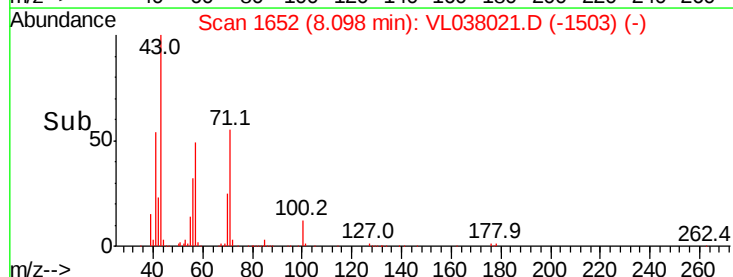
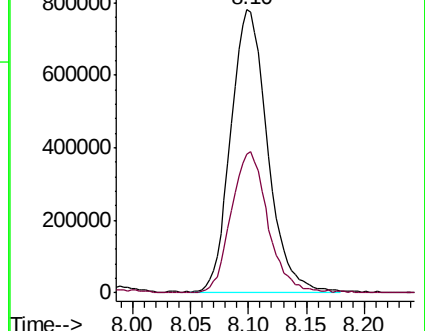
43 100

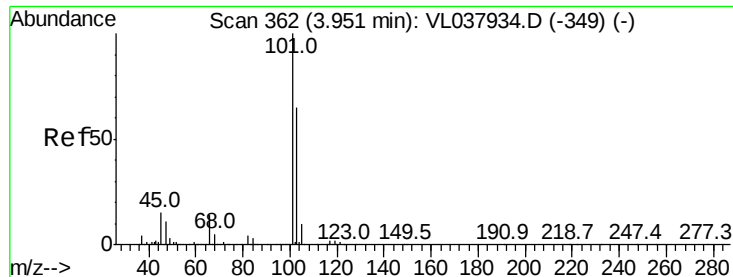
57 50.5 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

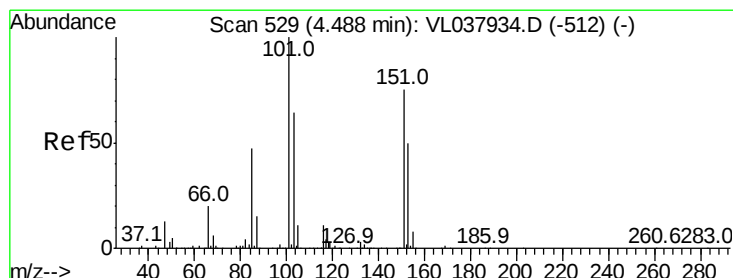
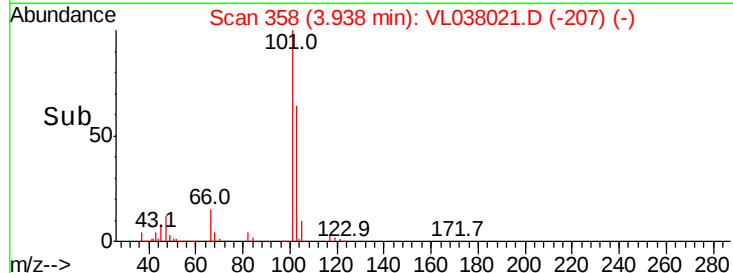
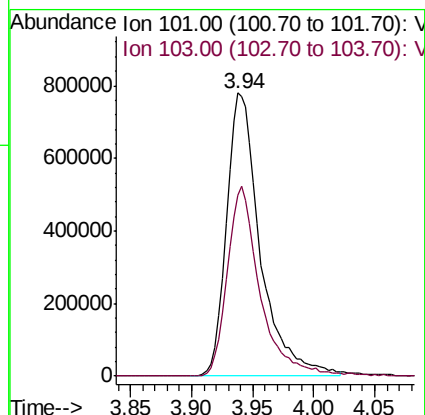
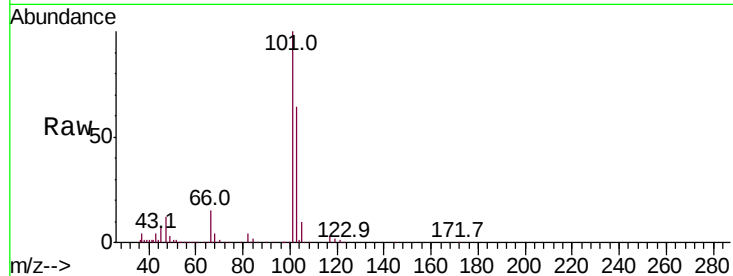
Ion 57.10 (56.80 to 57.80): VL0





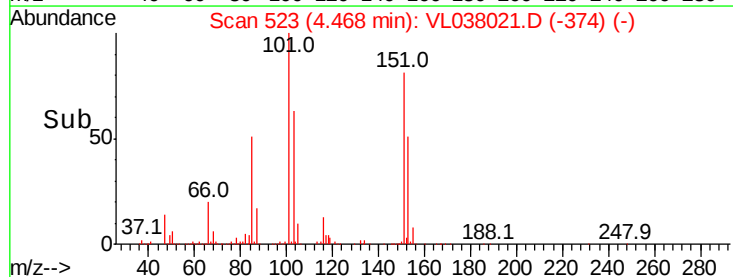
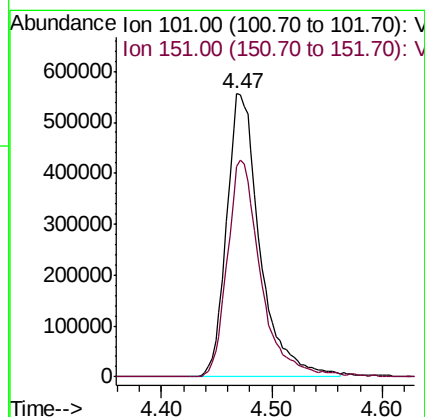
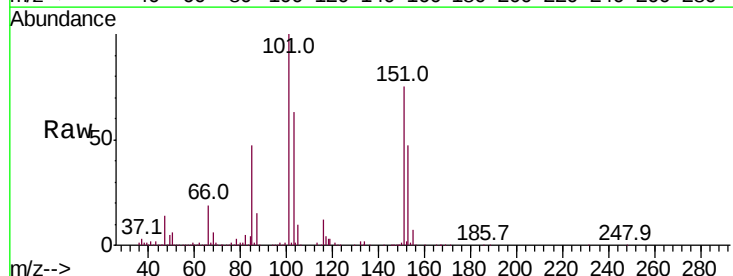
#11
 Trichlorofluoromethane
 Concen: 8.623 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Nov 2021 10:09

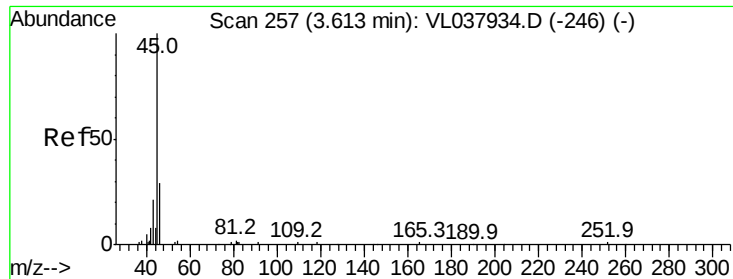
Tot Ion:101 Resp: 1508367
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.572 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL038021.D
 Acq: 11 Nov 2021 10:09

Tgt Ion:101 Resp: 1168862
 Ion Ratio Lower Upper
 101 100
 151 77.0 61.8 92.8





#13

Ethanol

Concen: 1.850 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

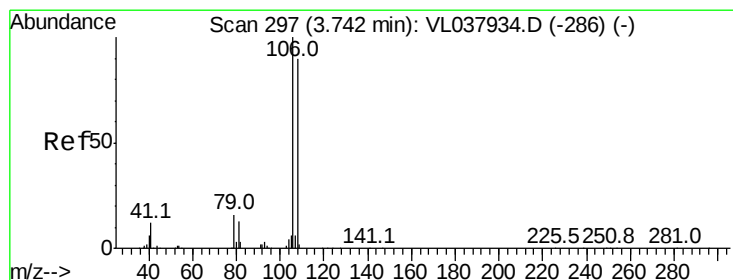
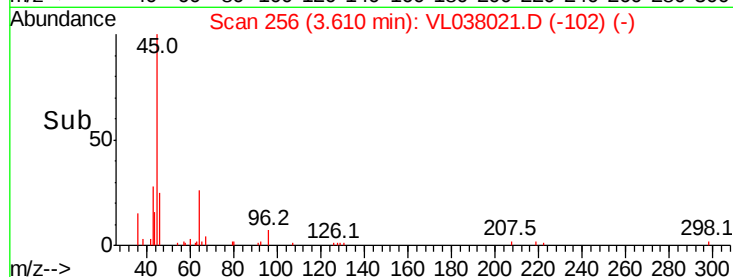
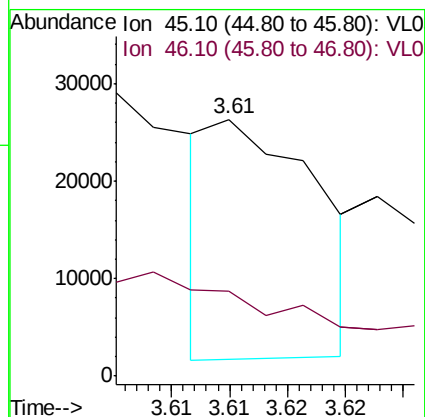
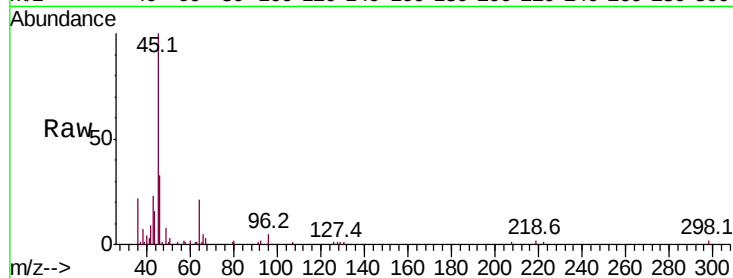
Acq: 11 Nov 2021 10:09

Tot Ion: 45 Resp: 15535

Ion Ratio Lower Upper

45 100

46 215.7 17.4 69.8#



#14

Bromoethene

Concen: 8.452 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

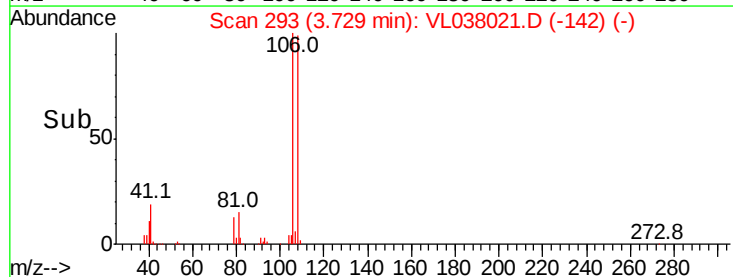
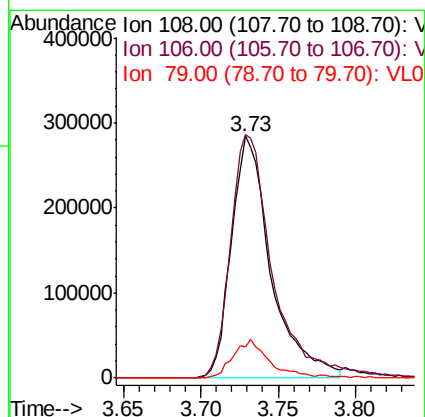
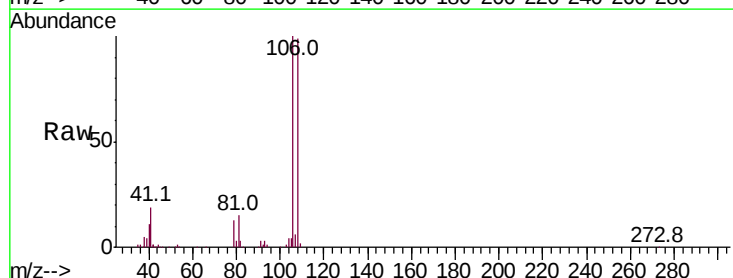
Tgt Ion: 108 Resp: 504184

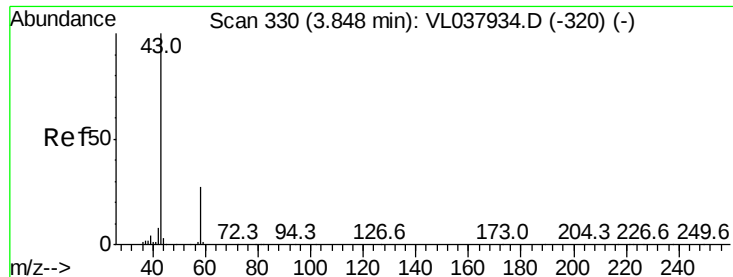
Ion Ratio Lower Upper

108 100

106 109.3 88.4 132.6

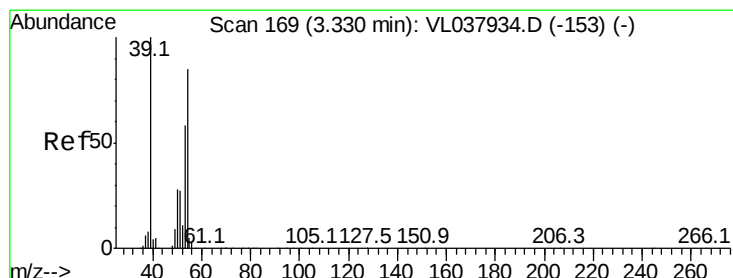
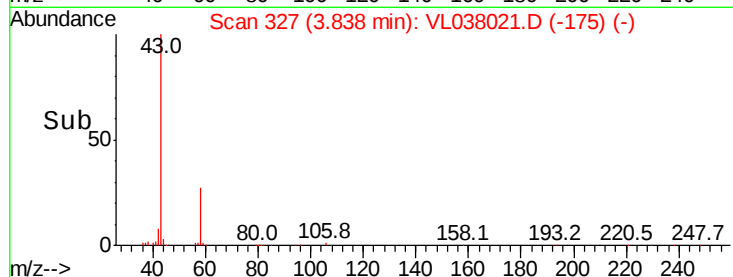
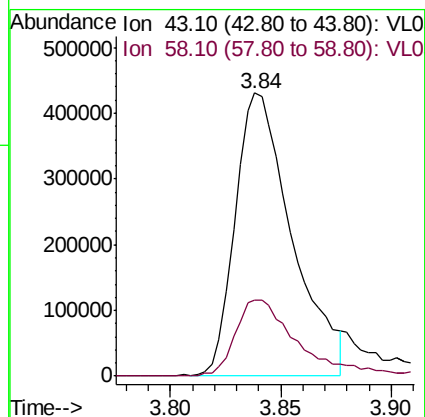
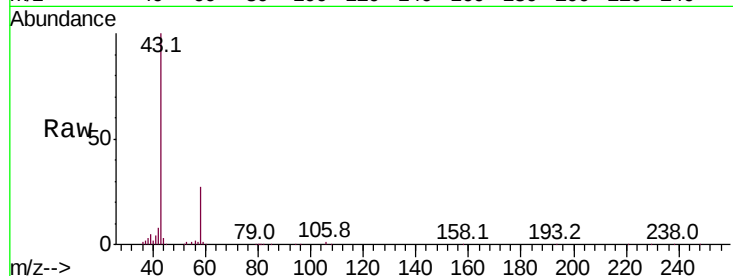
79 15.4 12.4 18.6





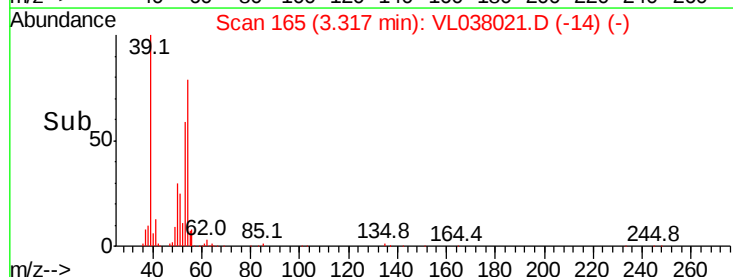
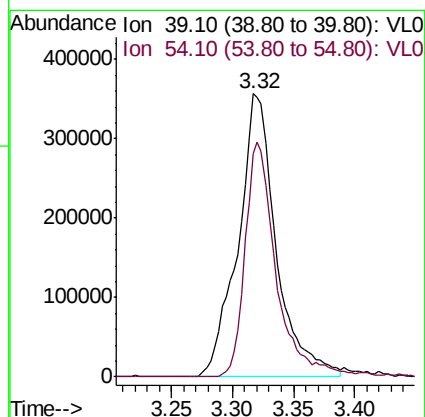
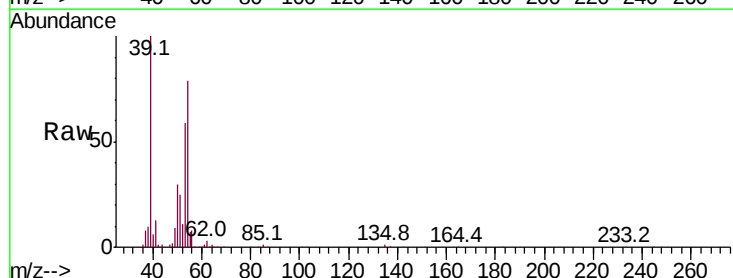
#15
Acetone
Concen: 7.478 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Nov 2021 10:09

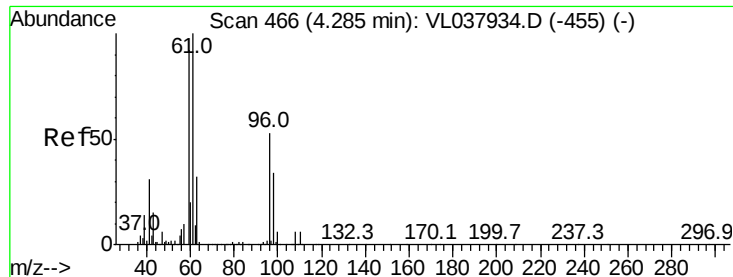
Tot Ion: 43 Resp: 770479
Ion Ratio Lower Upper
43 100
58 30.6 23.3 34.9



#16
1,3-Butadiene
Concen: 9.522 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL038021.D
Acq: 11 Nov 2021 10:09

Tgt Ion: 39 Resp: 773058
Ion Ratio Lower Upper
39 100
54 68.2 62.6 93.8





#17

tert-Butyl alcohol

Concen: 6.964 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

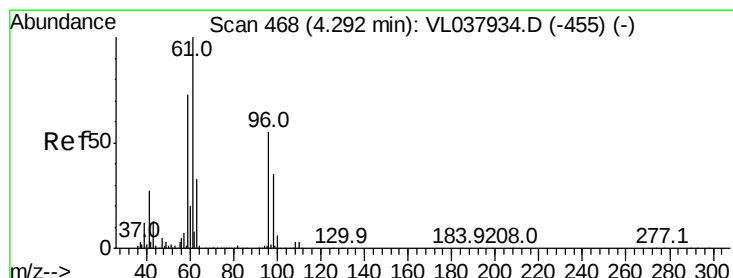
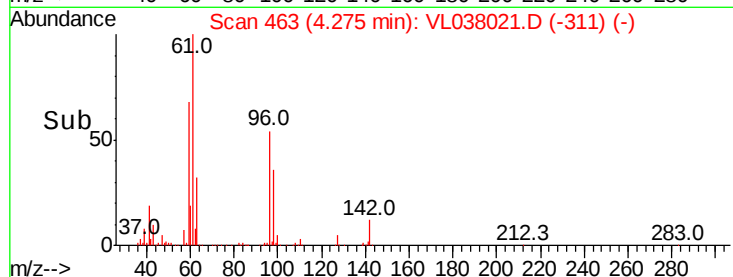
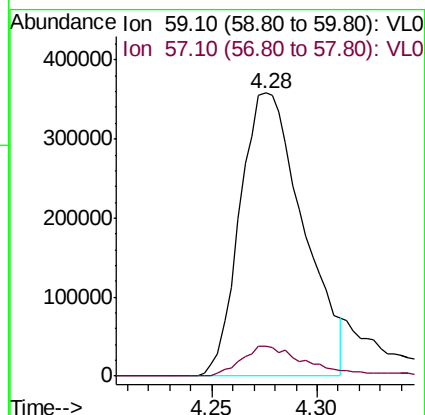
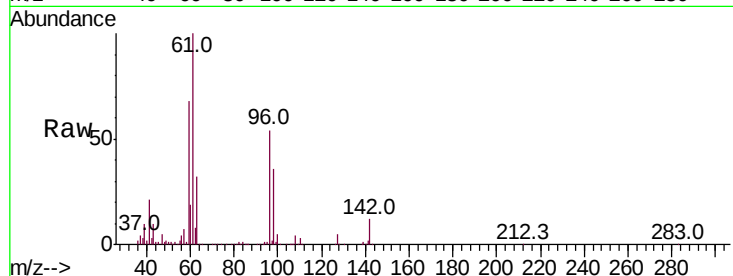
Acq: 11 Nov 2021 10:09

Tot Ion: 59 Resp: 746055

Ion Ratio Lower Upper

59 100

57 12.2 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.333 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

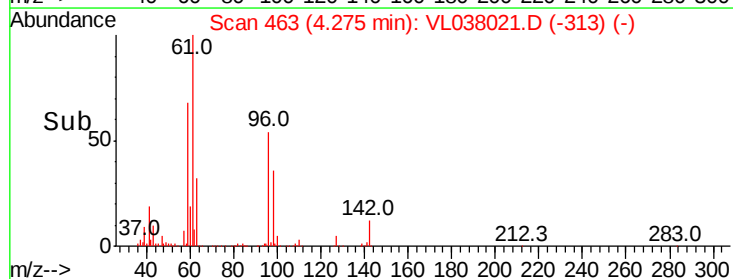
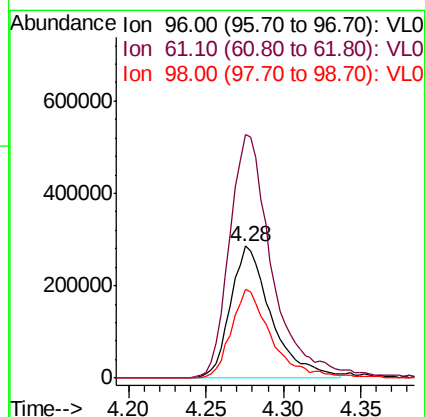
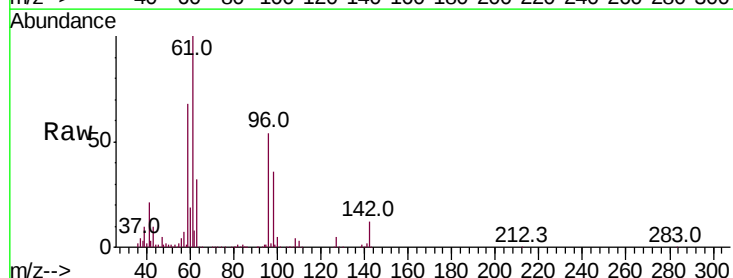
Tgt Ion: 96 Resp: 522973

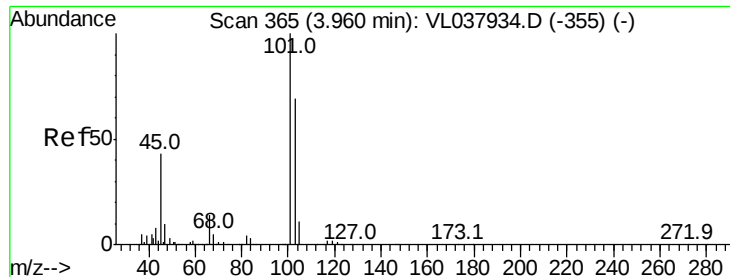
Ion Ratio Lower Upper

96 100

61 184.2 144.3 216.5

98 66.8 50.5 75.7





#19

Isopropyl Alcohol

Concen: 7.318 ppbv

RT: 3.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

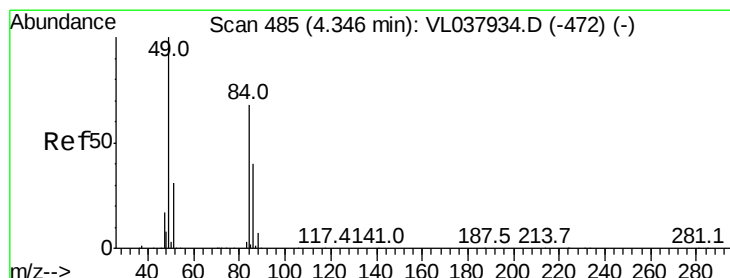
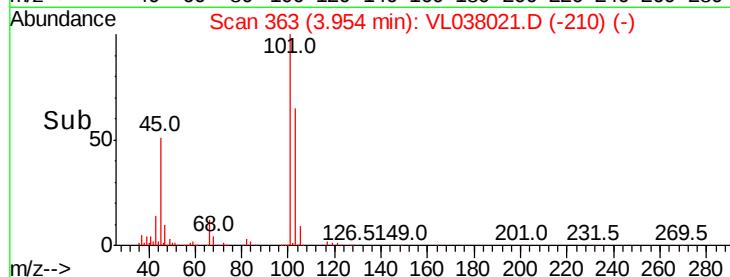
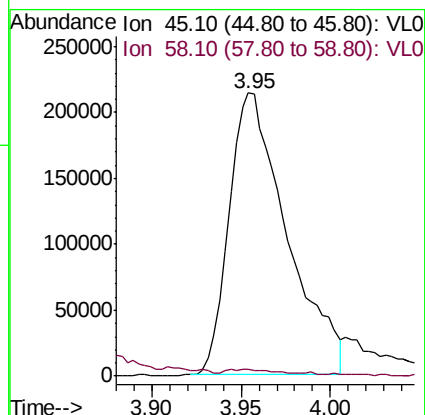
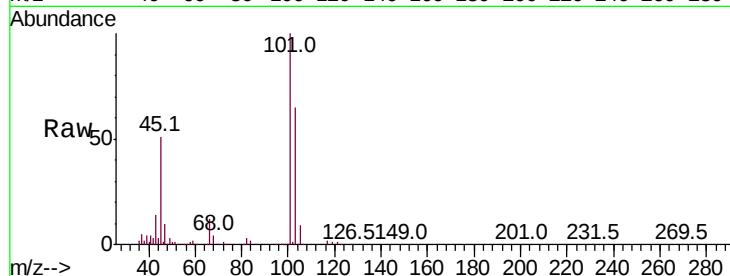
Acq: 11 Nov 2021 10:09

Tot Ion: 45 Resp: 482164

Ion Ratio Lower Upper

45 100

58 2.4 4.0 6.0#



#20

Methylene Chloride

Concen: 7.559 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion: 84 Resp: 427595

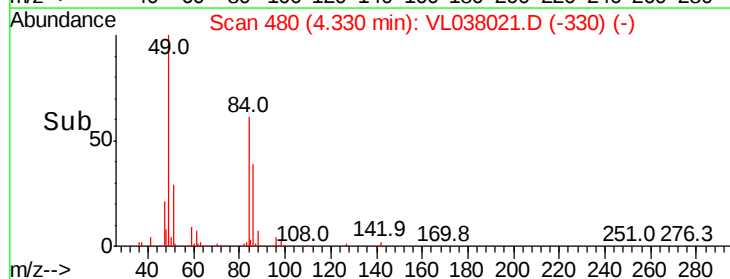
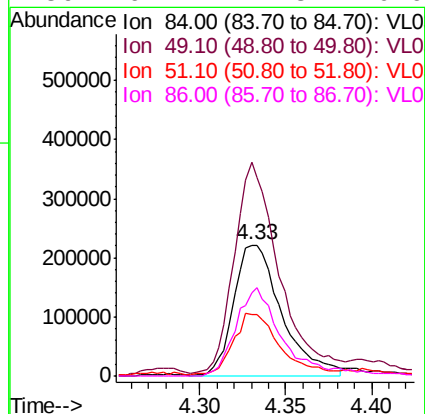
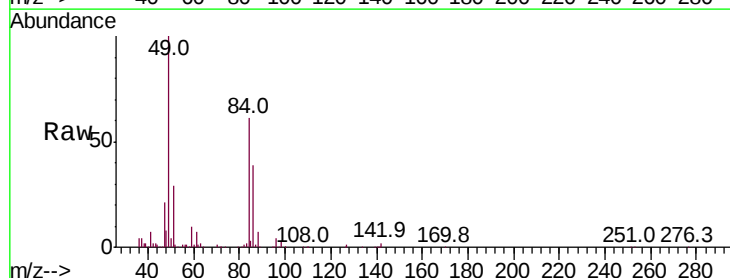
Ion Ratio Lower Upper

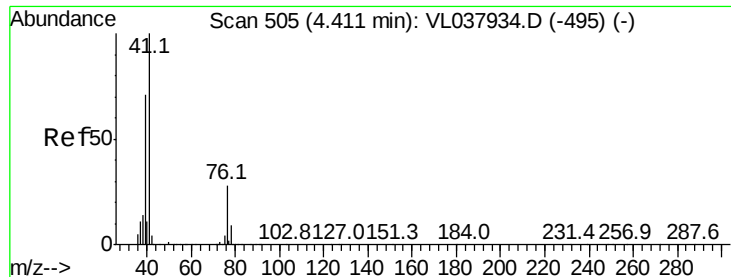
84 100

49 161.5 117.5 176.3

51 45.9 35.9 53.9

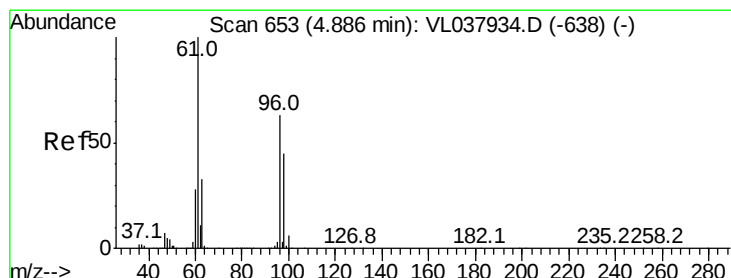
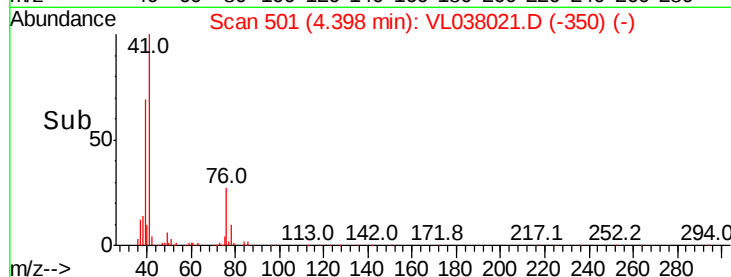
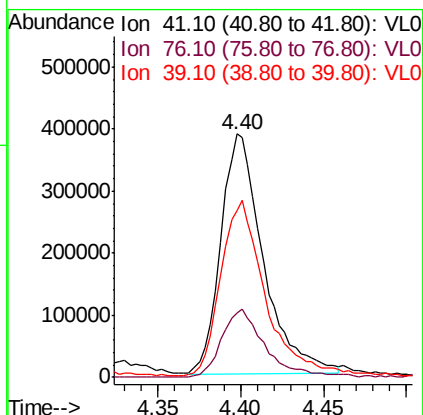
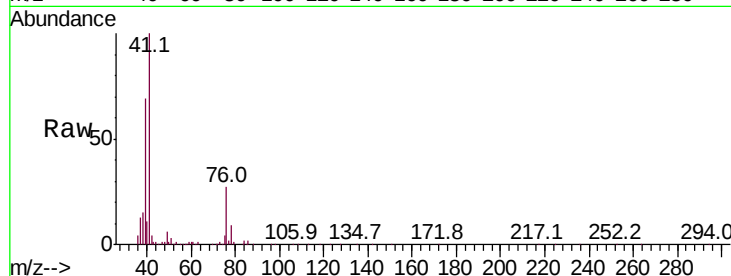
86 64.1 47.3 70.9





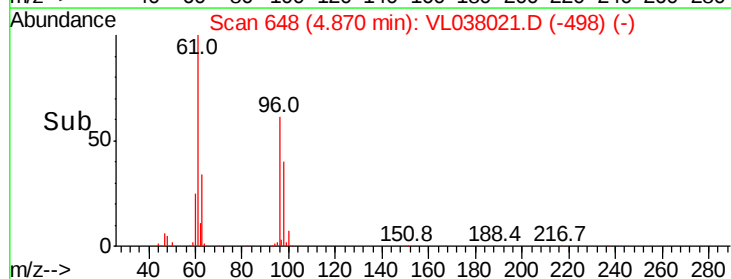
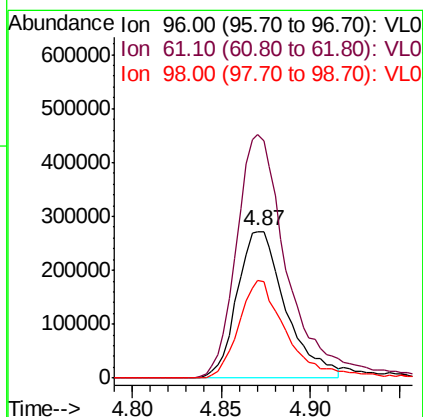
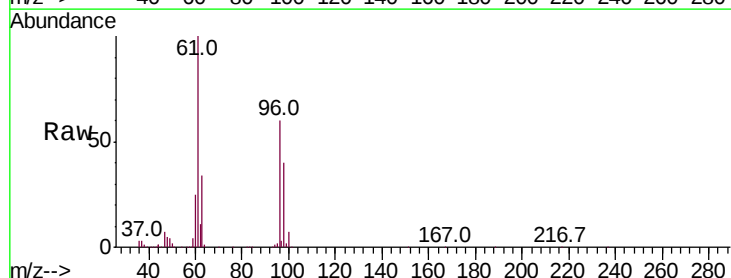
#21
 Allv1 Chloride
 Concen: 7.242 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 11 Nov 2021 10:09

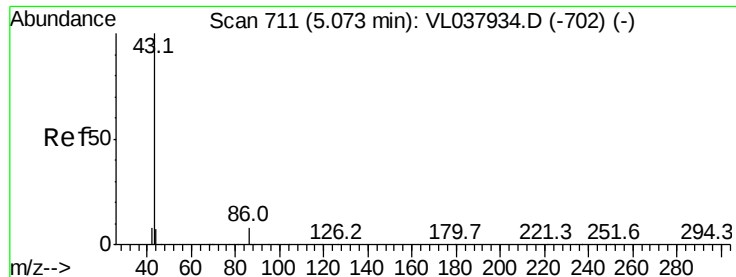
Tot Ion:	41	Resp:	688489
Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.6	35.4
39	78.4	59.7	89.5



#22
 trans-1,2-Dichloroethene
 Concen: 8.305 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T.: -0.02 min
 Lab File: VL038021.D
 Acq: 11 Nov 2021 10:09

Tgt Ion:	96	Resp:	517945
Ion	Ratio	Lower	Upper
96	100		
61	166.1	127.8	191.6
98	66.6	56.9	85.3





#23

Vinyl Acetate

Concen: 7.976 ppbv

RT: 5.06

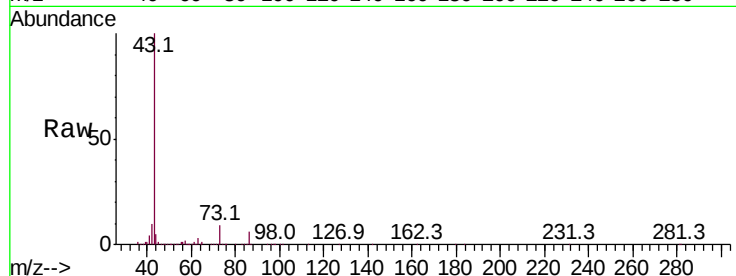
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Nov 2021 10:09

Tot Ion: 43 Resp: 1237466

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.5	8.3
42	10.0	7.4	11.2
44	5.1	4.7	7.1

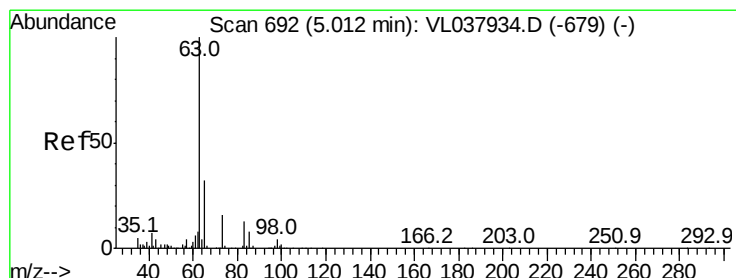
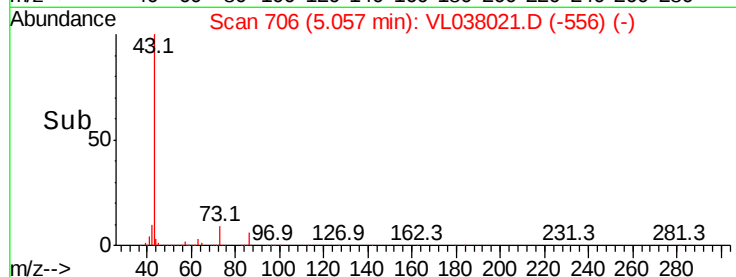
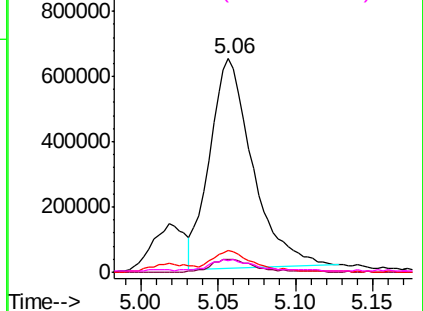


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.539 ppbv

RT: 5.00 min Scan# 687

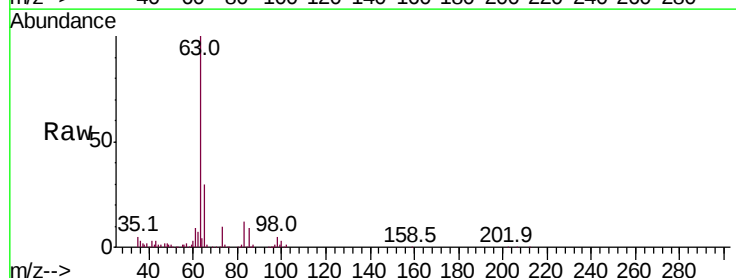
Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion: 63 Resp: 1094437

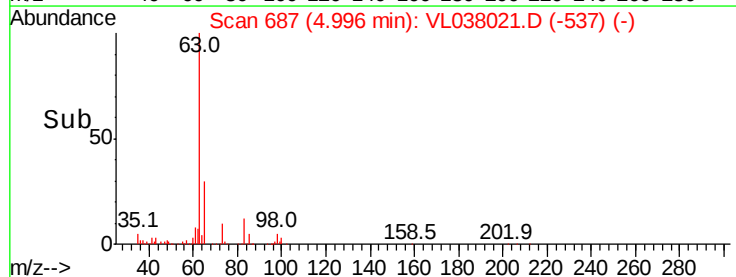
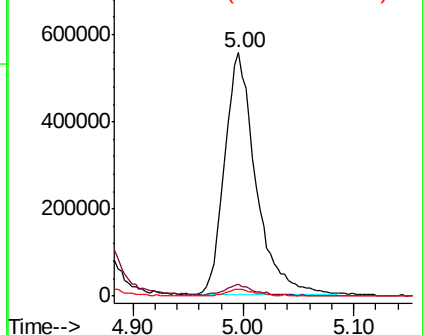
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.9
100	2.5	1.2	3.6

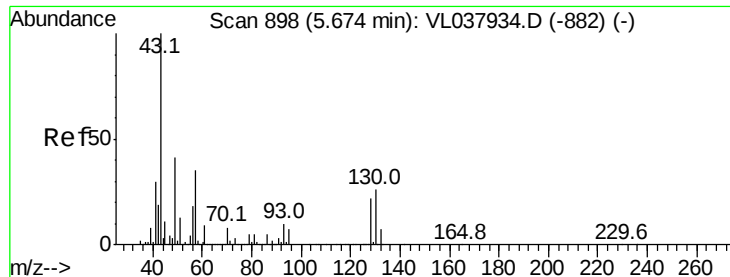


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

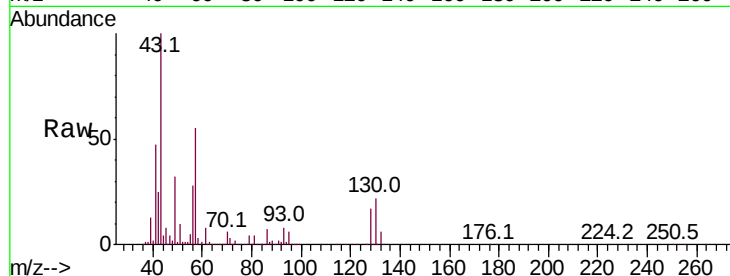




#25
Ethyl Acetate
Concen: 8.140 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Nov 2021 10:09

Tot Ion: 43 Resp: 2491072

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.7	8.1	12.1
70	7.0	5.8	8.6



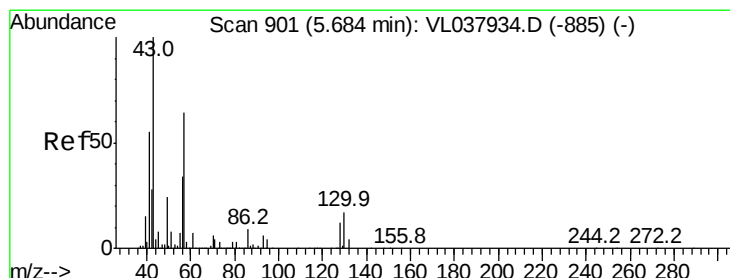
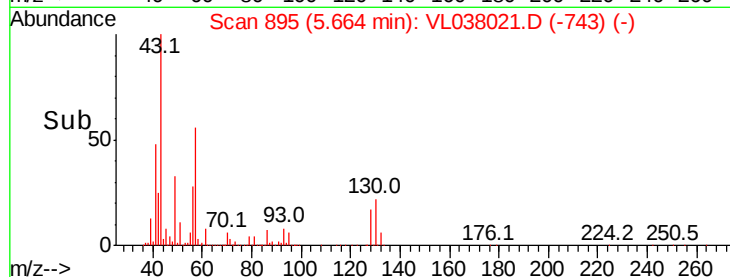
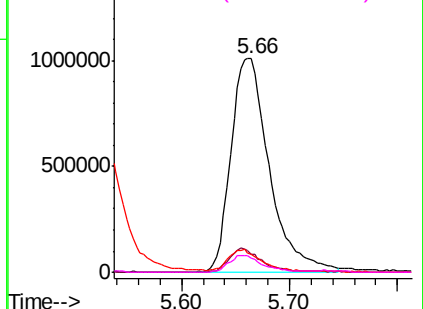
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

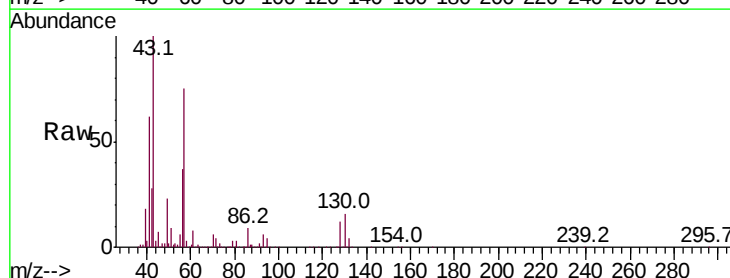
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.667 ppbv
RT: 5.67 min Scan# 897
Delta R.T.: -0.01 min
Lab File: VL038021.D
Acq: 11 Nov 2021 10:09

Tgt Ion: 57 Resp: 1256683

Ion	Ratio	Lower	Upper
57	100		
41	89.4	71.0	106.6
43	202.0	173.0	259.6
56	52.2	43.6	65.4



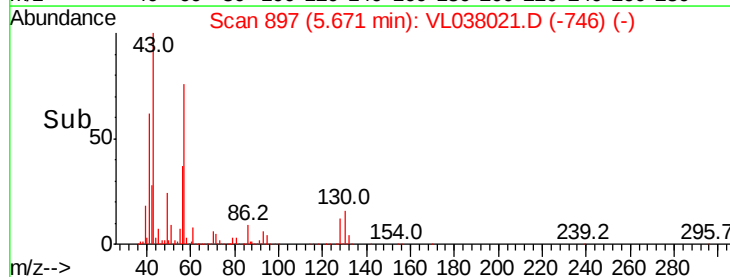
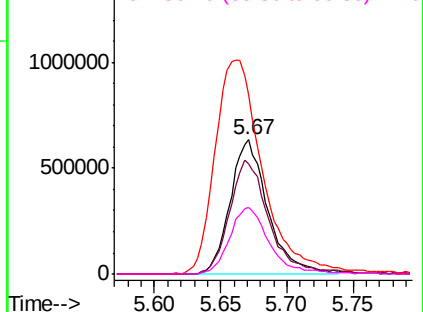
Abundance

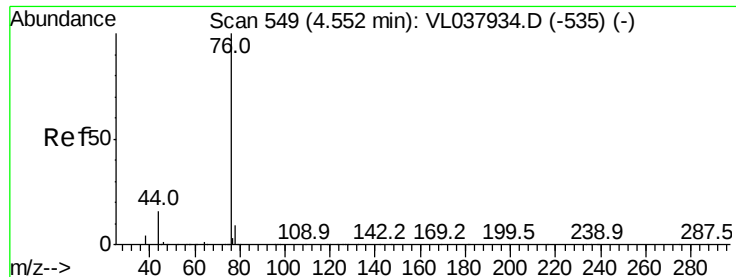
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.113 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 11 Nov 2021 10:09

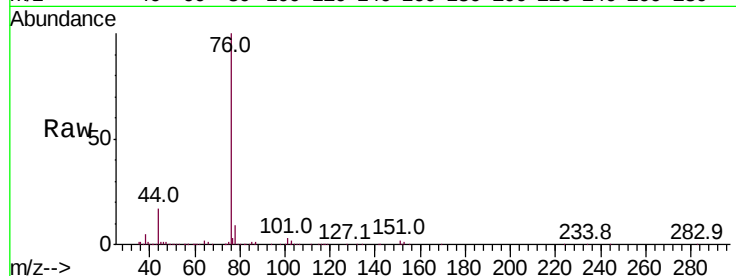
Tot Ion: 76 Resp: 1304364

Ion Ratio Lower Upper

76 100

44 18.2 13.2 19.8

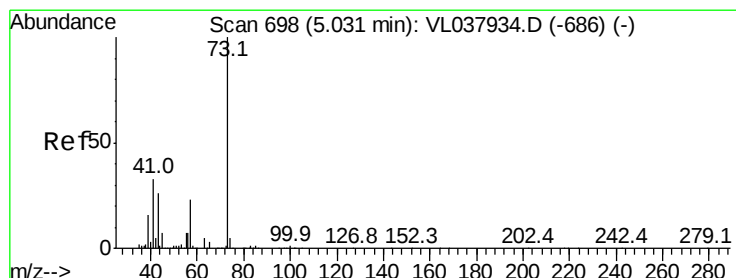
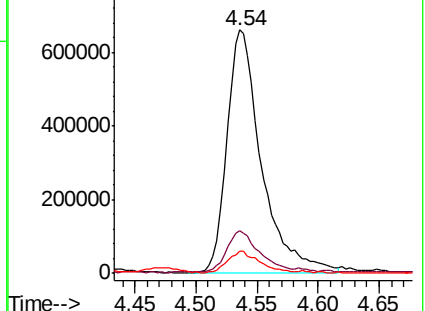
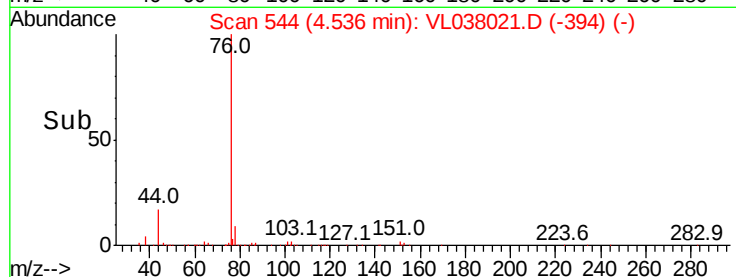
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.954 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL038021.D

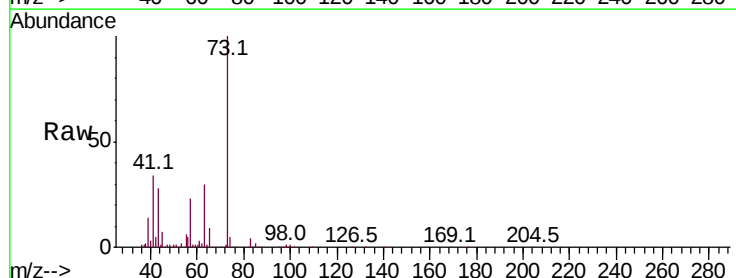
Acq: 11 Nov 2021 10:09

Tgt Ion: 73 Resp: 1091486

Ion Ratio Lower Upper

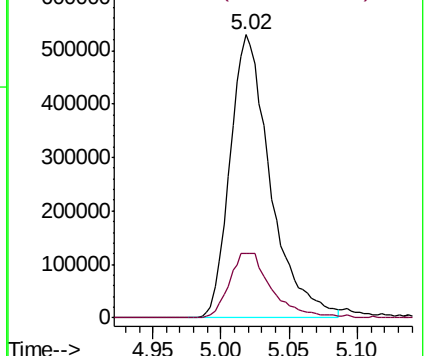
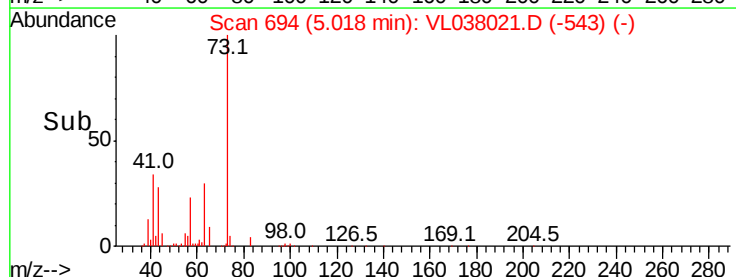
73 100

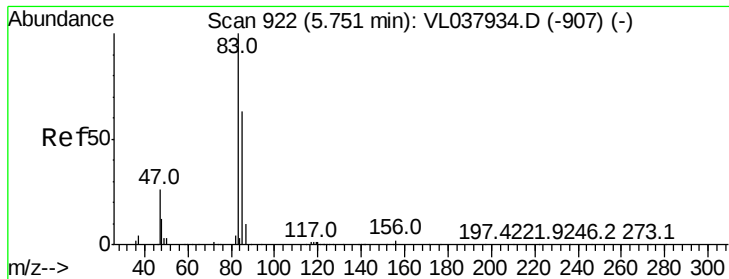
57 24.6 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

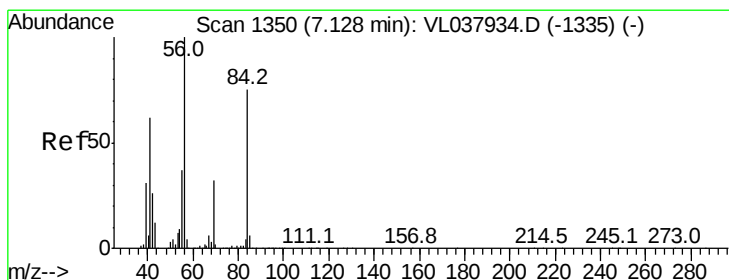
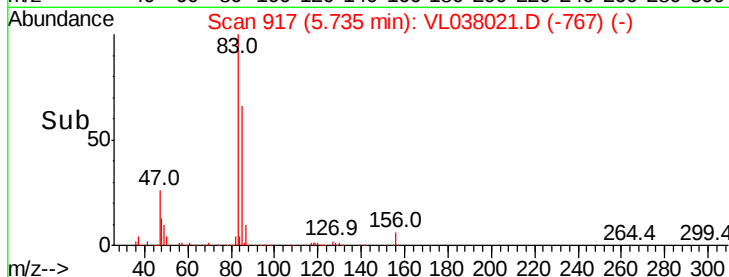
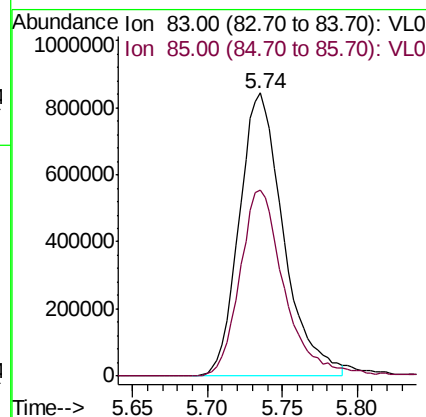
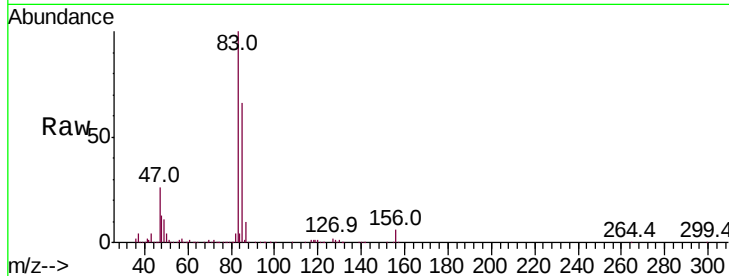
Ion 57.10 (56.80 to 57.80): VL0





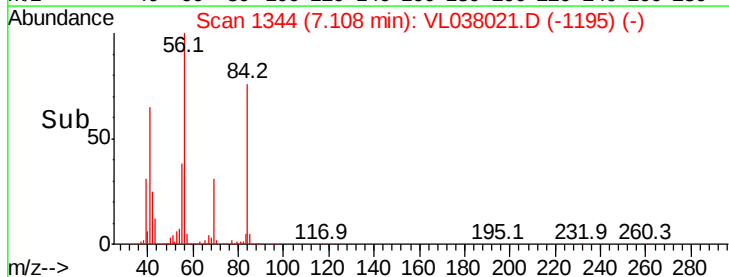
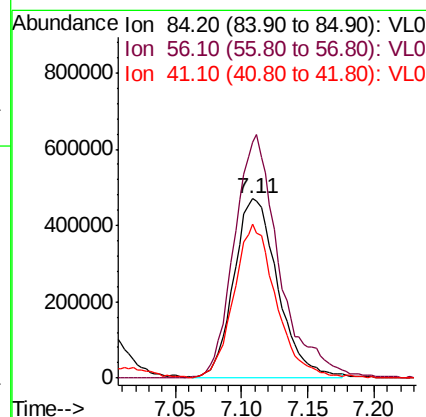
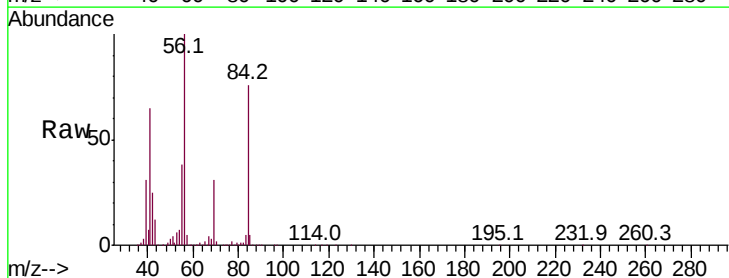
#29
Chloroform
Concen: 8.024 ppbv
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Nov 2021 10:09

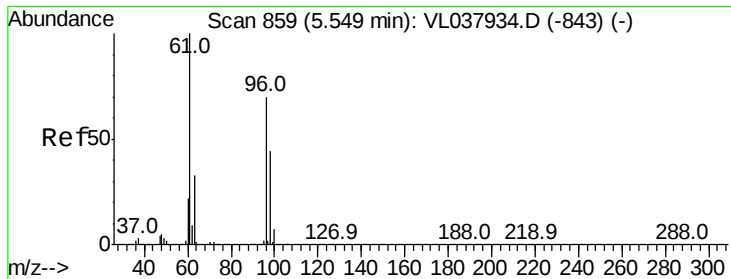
Tot Ion: 83 Resp: 1735033
Ion Ratio Lower Upper
83 100
85 65.7 50.6 76.0



#30
Cyclohexane
Concen: 8.677 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.02 min
Lab File: VL038021.D
Acq: 11 Nov 2021 10:09

Tgt Ion: 84 Resp: 1075493
Ion Ratio Lower Upper
84 100
56 141.1 114.0 171.0
41 83.7 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 8.849 ppbv

RT: 5.53 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 11 Nov 2021 10:09

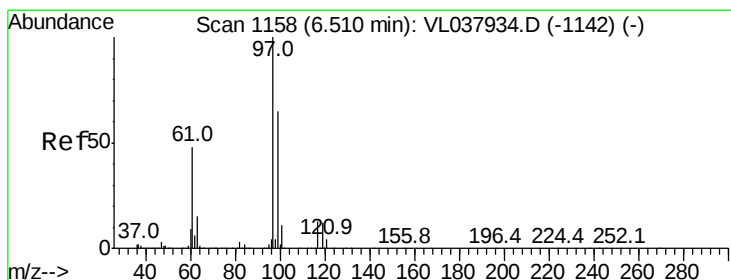
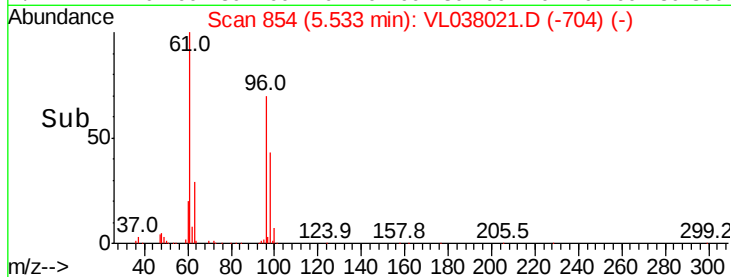
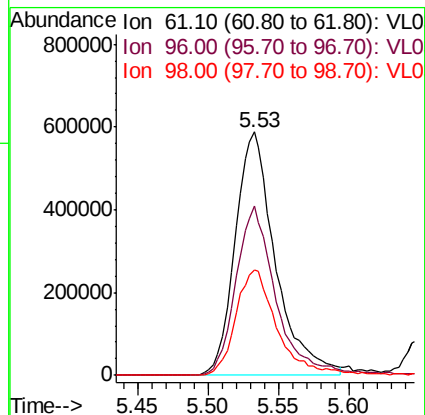
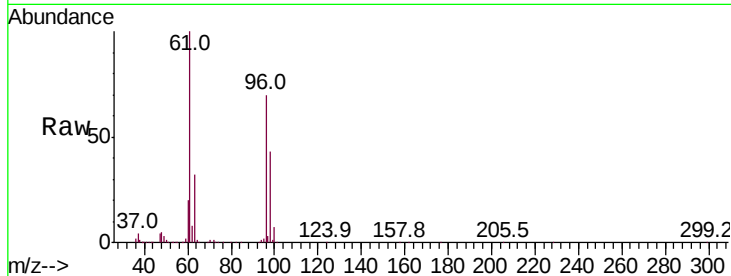
Tot Ion: 61 Resp: 1170610

Ion Ratio Lower Upper

61 100

96 69.5 55.6 83.4

98 43.3 34.9 52.3



#32

1,1,1-Trichloroethane

Concen: 7.771 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

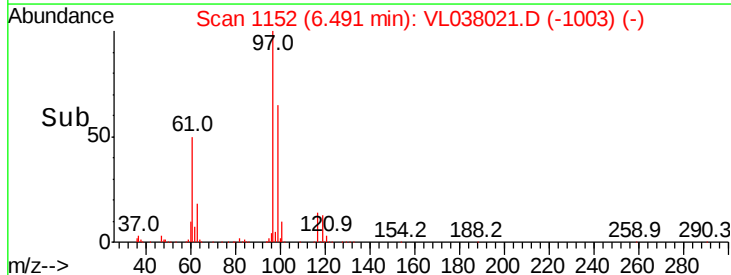
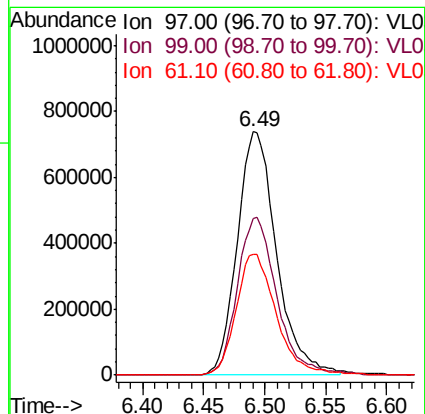
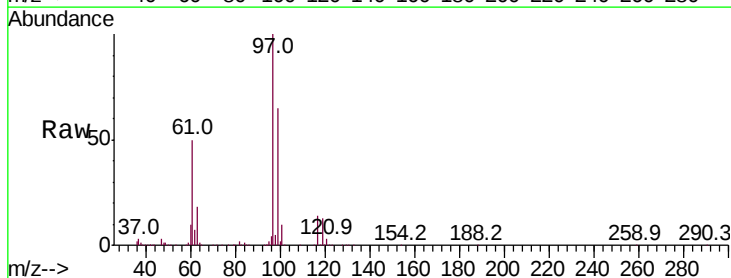
Tgt Ion: 97 Resp: 1651570

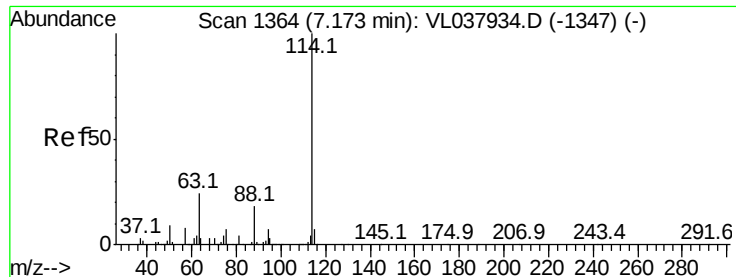
Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.4

61 51.0 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 Instrument: MSVOA_1

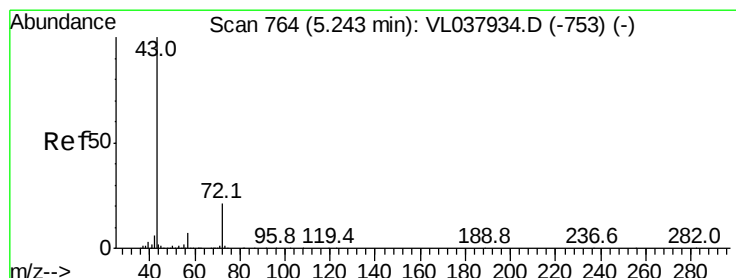
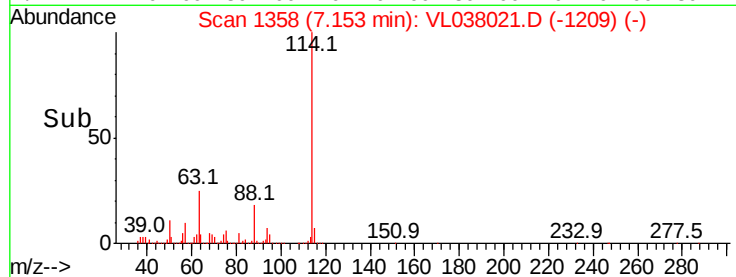
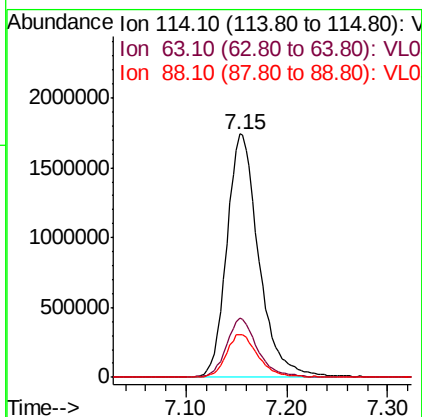
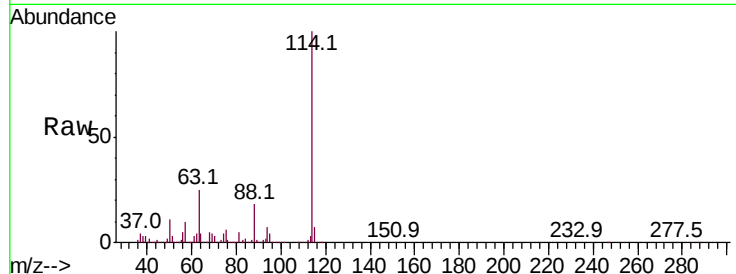
Delta R.T. ClientSampleId:

Lab File:

Acq: 11 Nov 2021 10:09

Tot Ion:114 Resp: 3849514

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.8	14.2	21.4



#34

2-Butanone

Concen: 7.741 ppbv

RT: 5.23 min Scan# 759

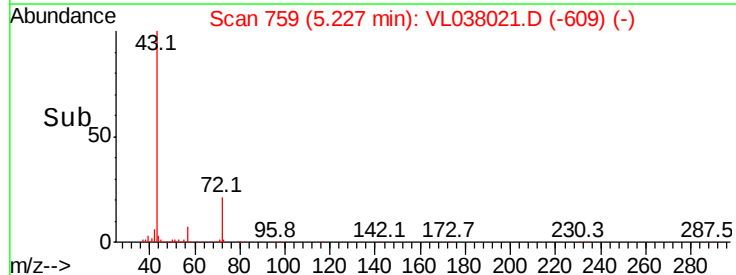
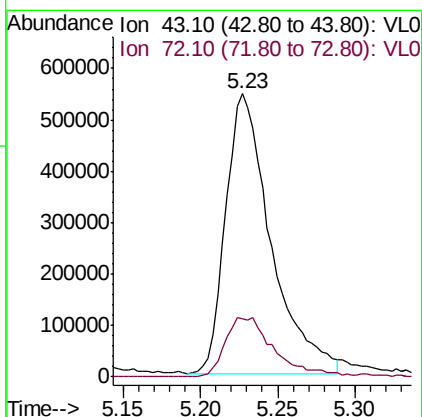
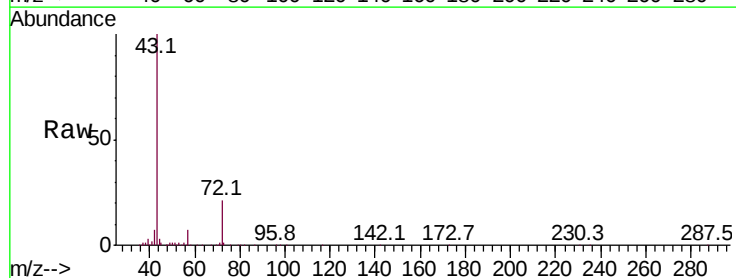
Delta R.T. -0.02 min

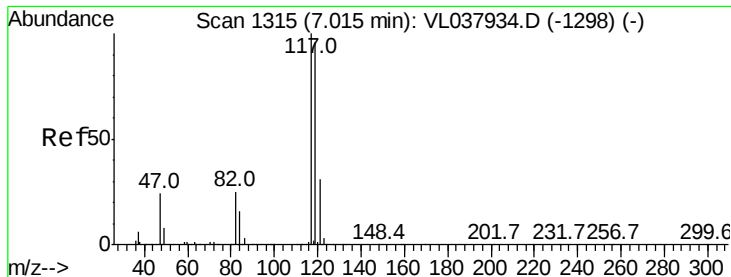
Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion: 43 Resp: 1104266

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.3	27.5





#35

Carbon Tetrachloride

Concen: 7.092 ppbv

RT: 7.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Nov 2021 10:09

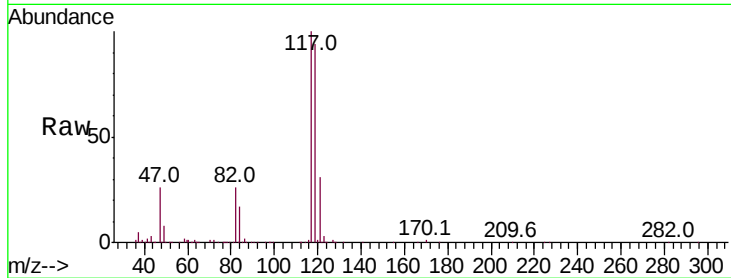
Tot Ion:117 Resp: 1650583

Ion Ratio Lower Upper

117 100

119 94.2 76.6 114.8

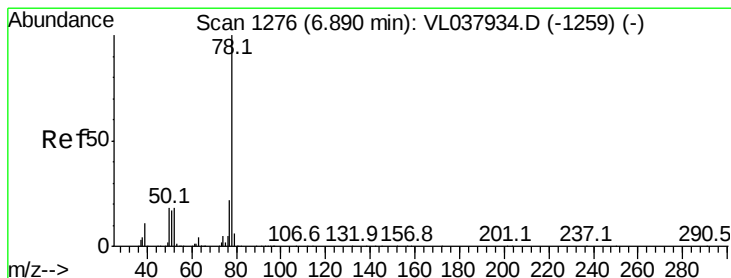
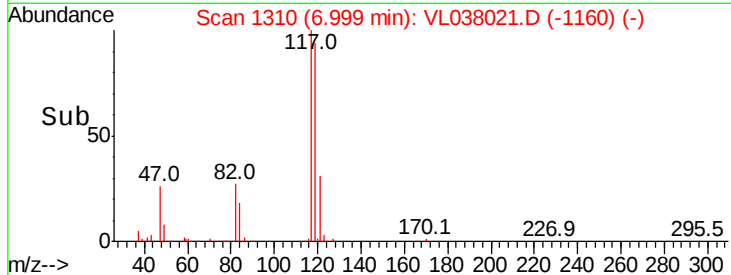
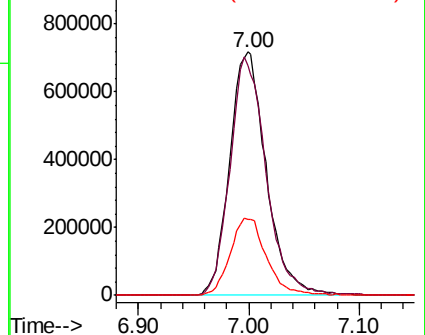
121 30.9 25.1 37.7



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: 8.301 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion: 78 Resp: 2602315

Ion Ratio Lower Upper

78 100

77 23.7 17.9 26.9

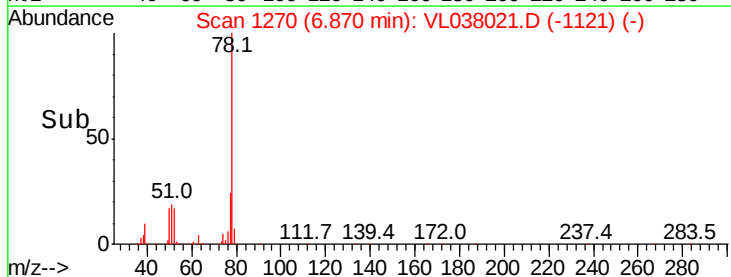
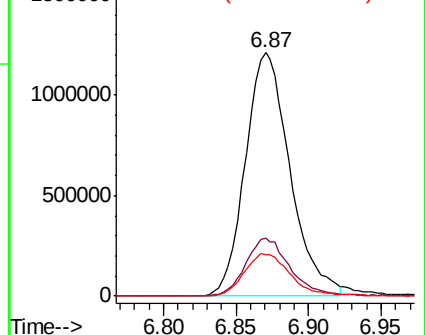
50 17.2 14.4 21.6

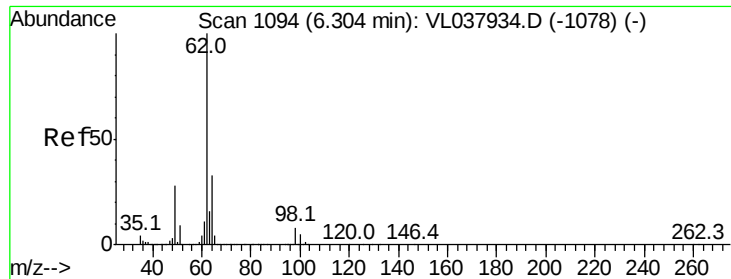


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.377 ppbv

RT: 6.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

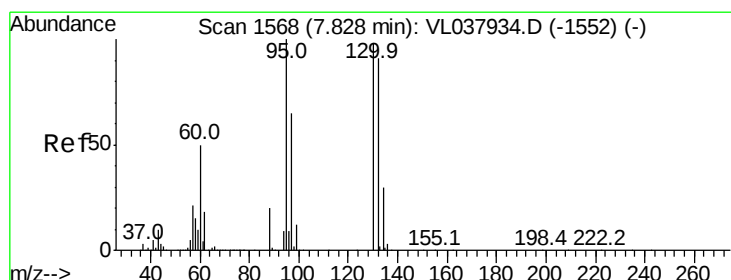
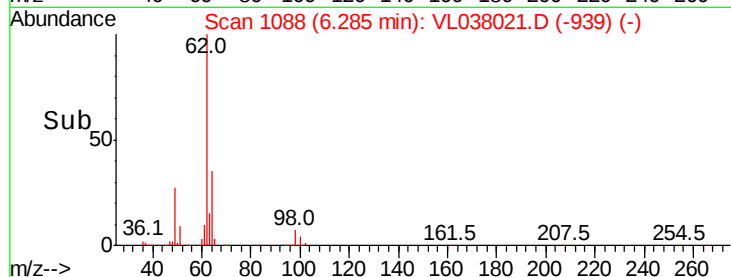
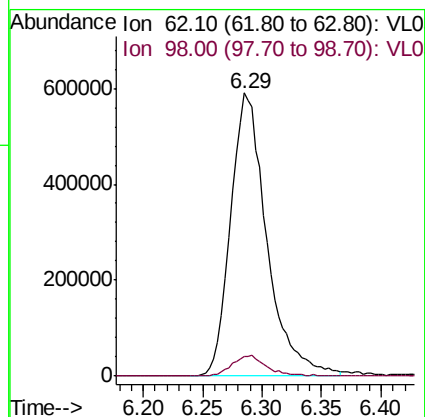
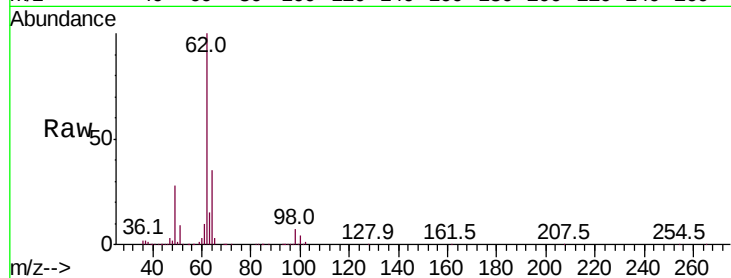
Acq: 11 Nov 2021 10:09

Tot Ion: 62 Resp: 1248566

Ion Ratio Lower Upper

62 100

98 7.1 6.5 9.7



#38

Trichloroethene

Concen: 7.887 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion:130 Resp: 1026208

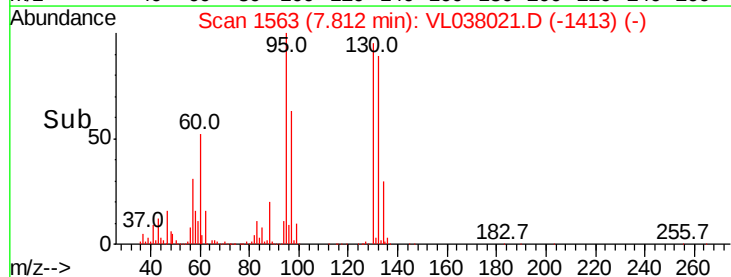
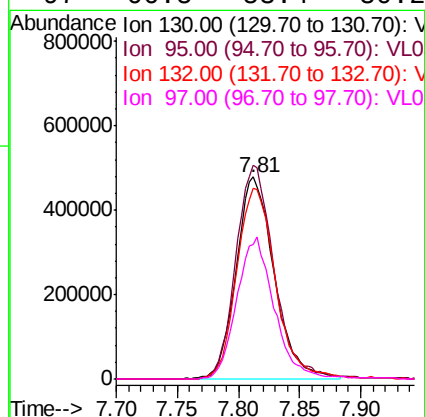
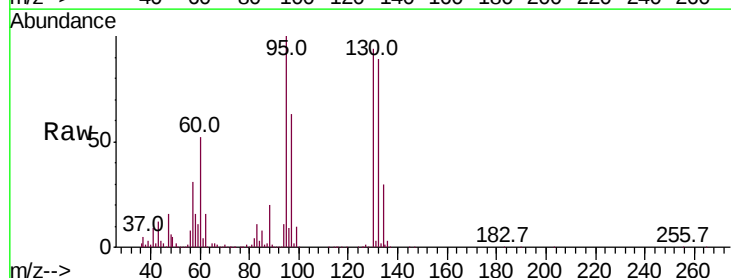
Ion Ratio Lower Upper

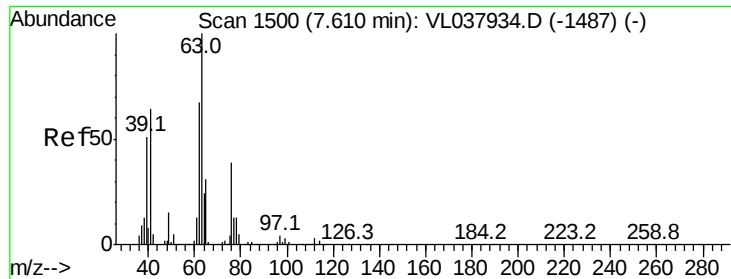
130 100

95 106.1 81.8 122.8

132 94.6 74.2 111.2

97 66.5 53.4 80.2





#39

1,2-Dichloropropane

Concen: 8.666 ppbv

RT: 7.59 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Nov 2021 10:09

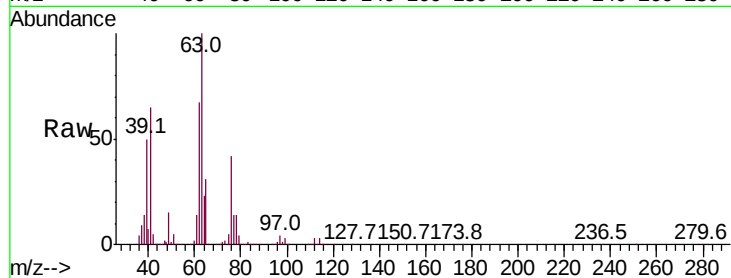
Tot Ion: 63 Resp: 1022216

Ion Ratio Lower Upper

63 100

41 64.9 51.6 77.4

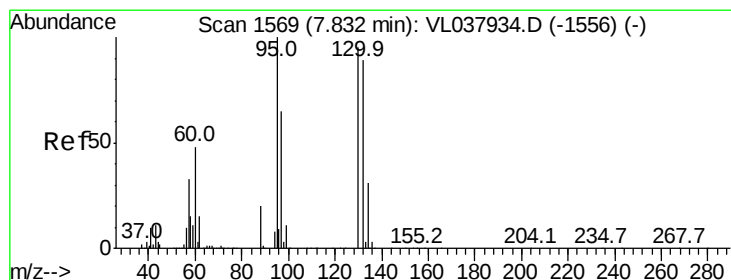
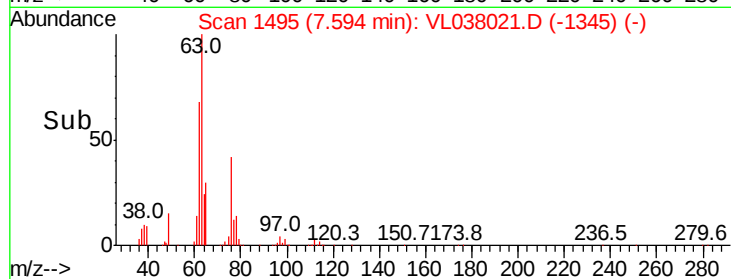
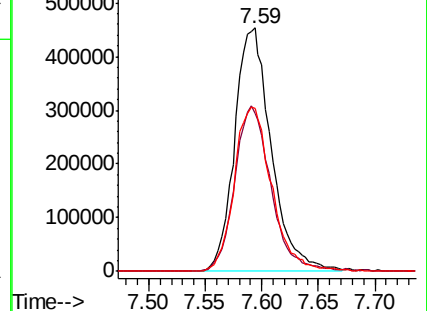
62 67.0 53.5 80.3



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: 7.902 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion: 88 Resp: 245478

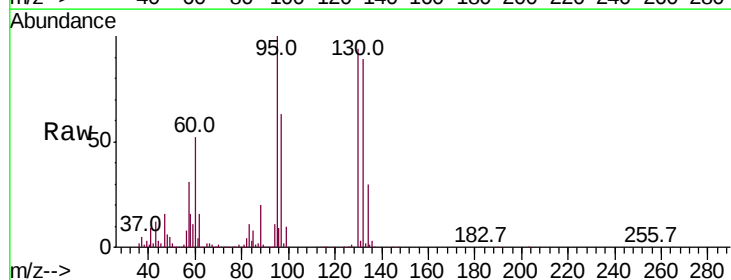
Ion Ratio Lower Upper

88 100

58 159.2 129.1 193.7

43 396.4 313.2 469.8

57 1817.6 1408.6 2112.8

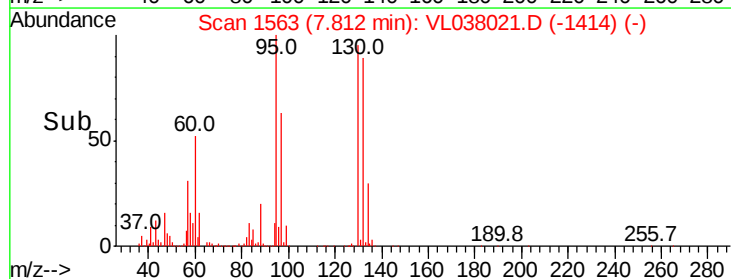
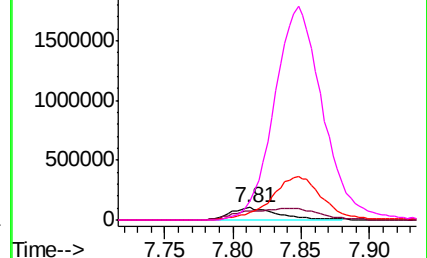


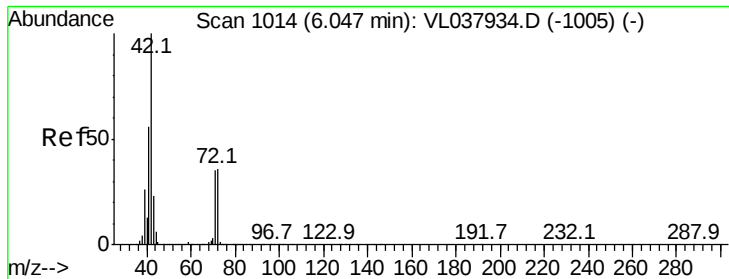
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 8.153 ppbv

RT: 6.03

Delta R.T. MSVOA_L

Lab File:

Acq: 11 Nov 2021 10:09

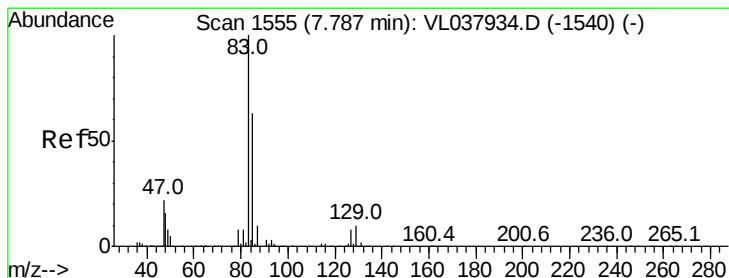
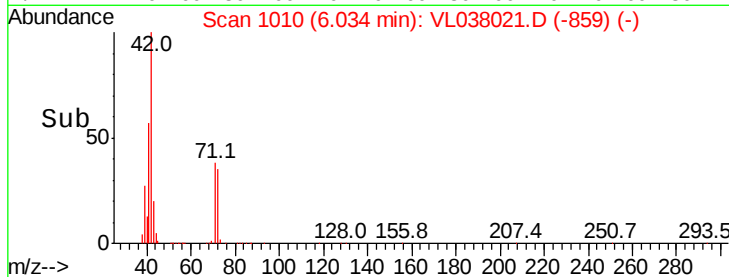
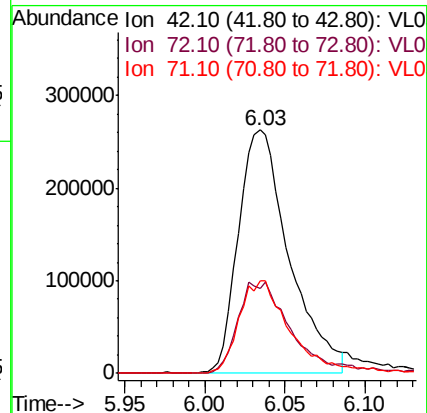
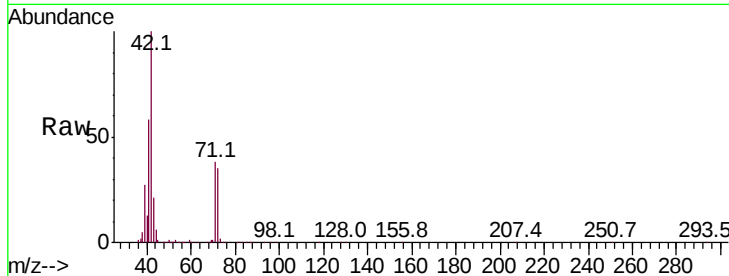
Tot Ion: 42 Resp: 569040

Ion Ratio Lower Upper

42 100

72 40.8 31.5 47.3

71 39.5 30.5 45.7



#42

Bromodichloromethane

Concen: 8.473 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

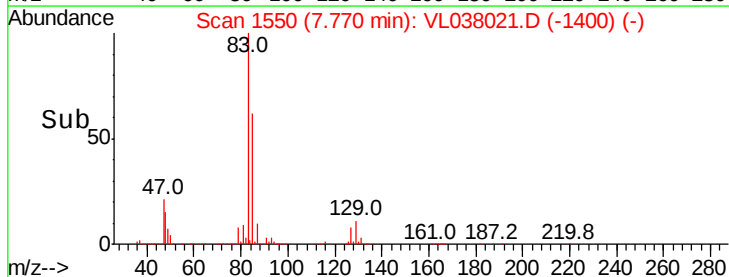
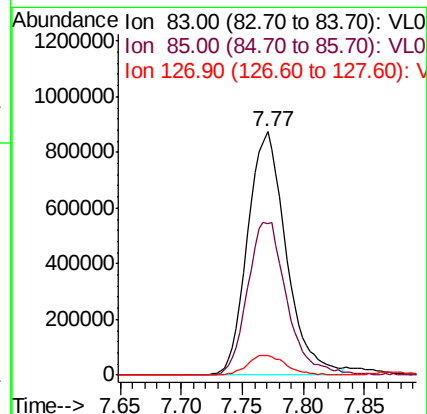
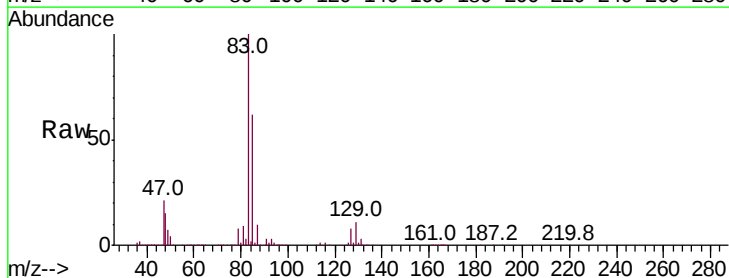
Tgt Ion: 83 Resp: 1909233

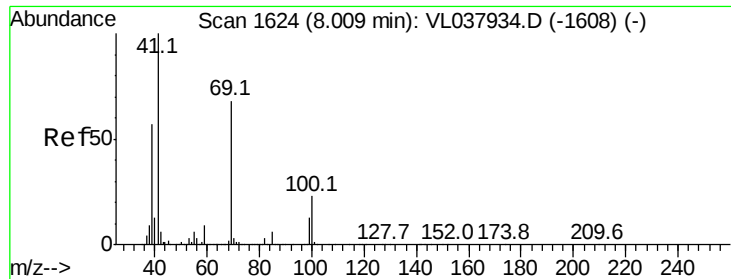
Ion Ratio Lower Upper

83 100

85 62.3 50.1 75.1

127 8.2 6.1 9.1





#43

Methyl Methacrylate

Concen: 9.565 ppbv

RT: 7.99

Instrument: MSVOA_1

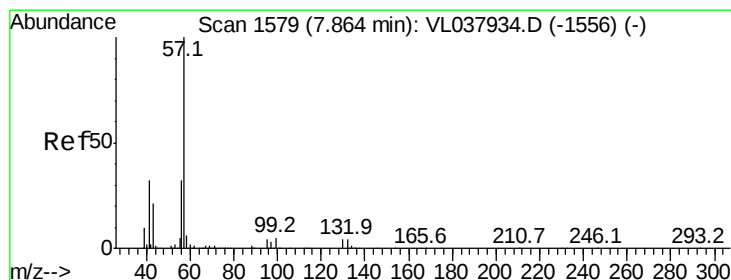
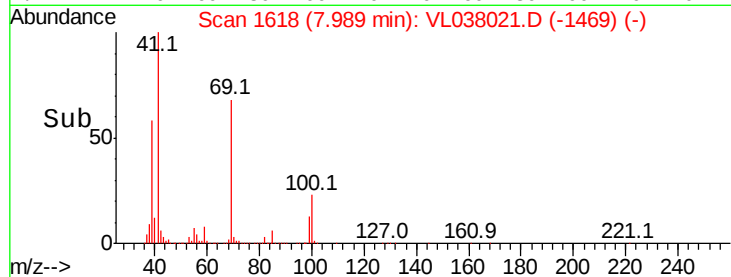
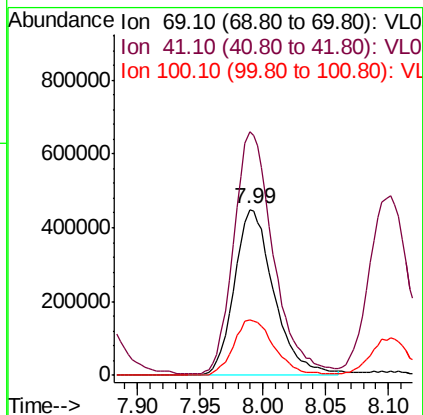
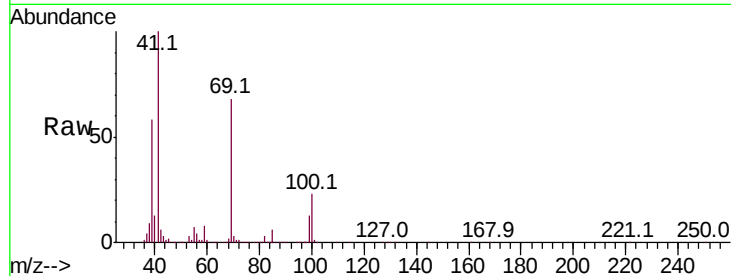
Delta R.T.

Lab File: ClientSampleId:

Acq: 11 Nov 2021 10:09

Tot Ion: 69 Resp: 984269

Ion	Ratio	Lower	Upper
69	100		
41	147.8	117.4	176.2
100	34.6	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 8.338 ppbv

RT: 7.85 min Scan# 1574

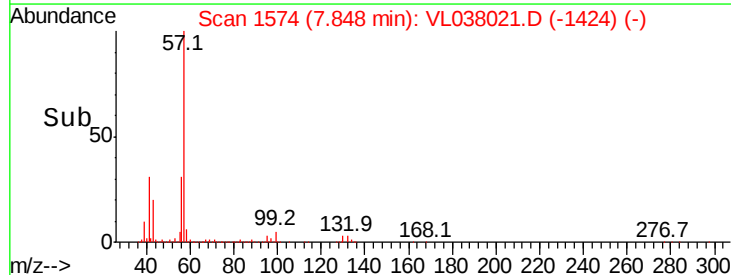
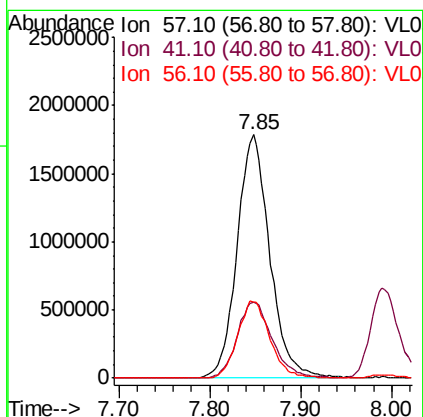
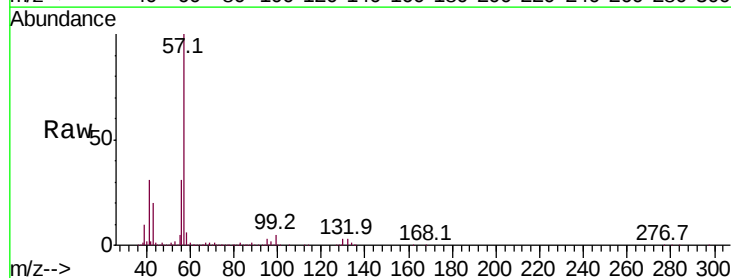
Delta R.T. -0.02 min

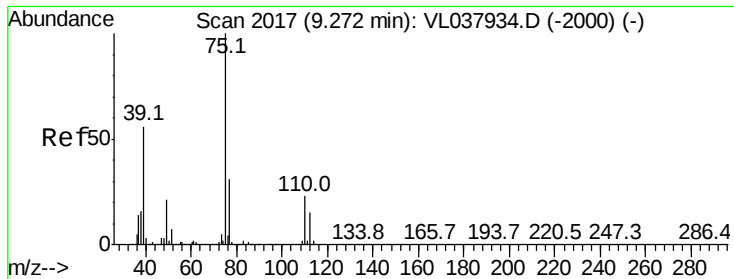
Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion: 57 Resp: 4445916

Ion	Ratio	Lower	Upper
57	100		
41	33.7	25.8	38.8
56	31.7	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 4.009 ppbv

RT: 9.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

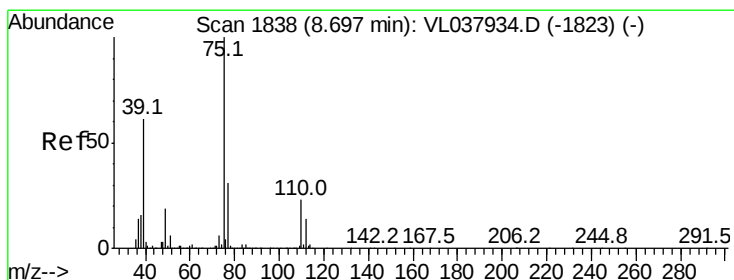
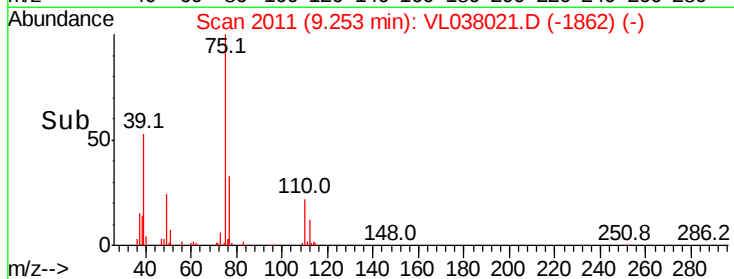
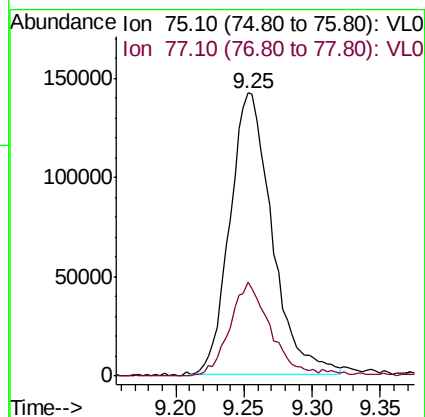
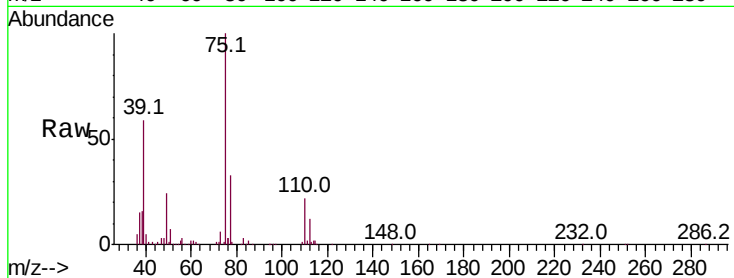
Acq: 11 Nov 2021 10:09

Tot Ion: 75 Resp: 303081

Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 5.249 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

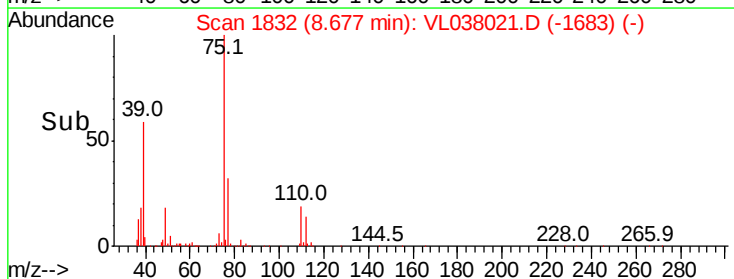
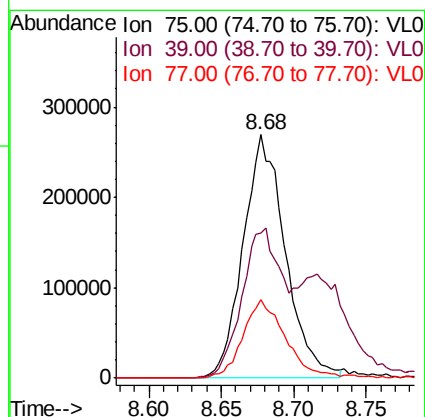
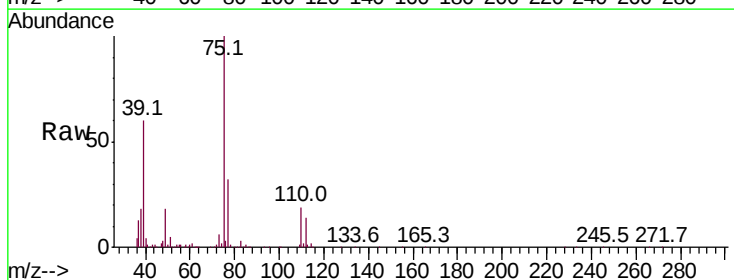
Tgt Ion: 75 Resp: 545628

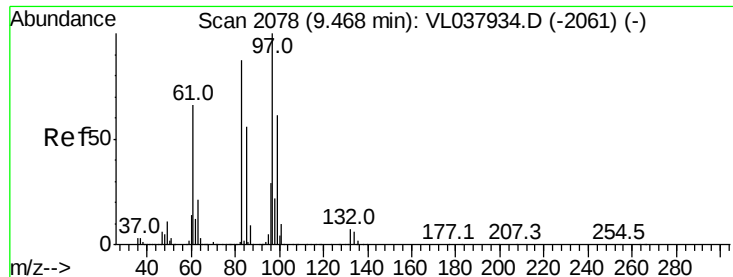
Ion Ratio Lower Upper

75 100

39 59.4 48.8 73.2

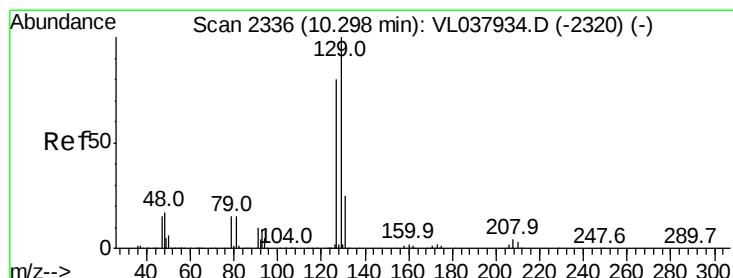
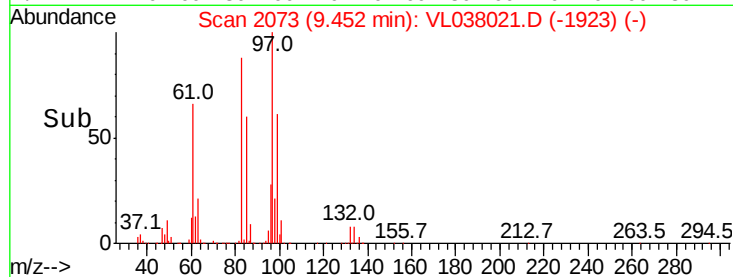
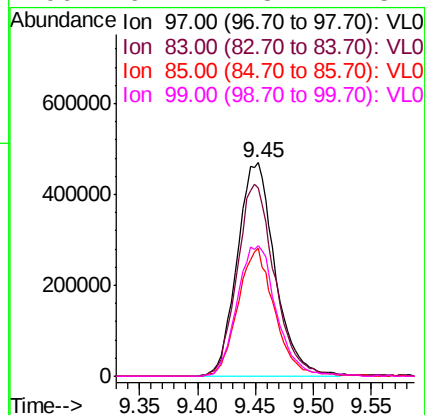
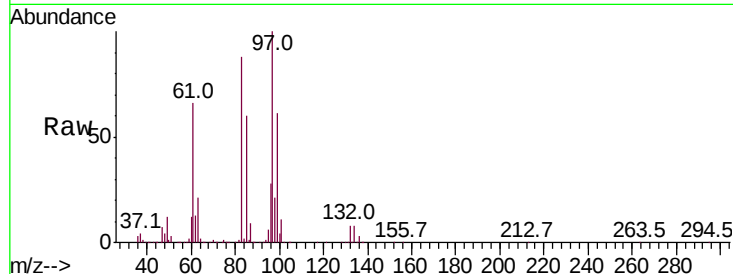
77 32.4 24.6 36.8





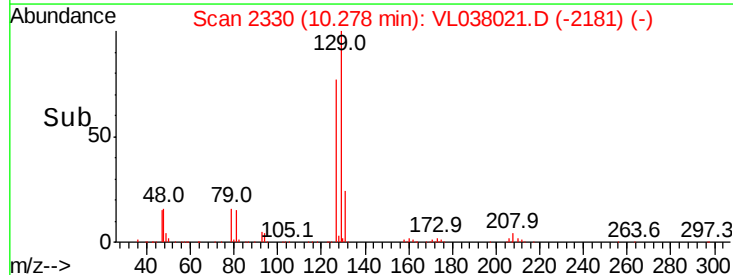
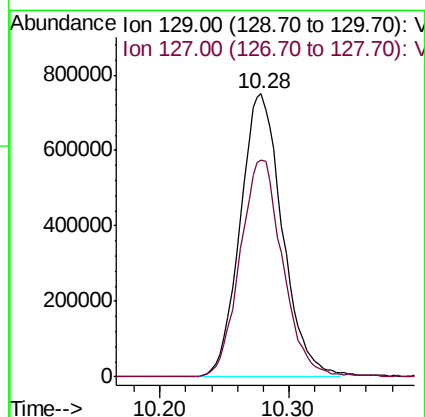
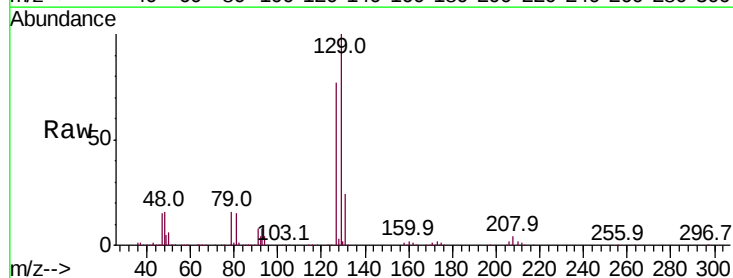
#47
 1,1,2-Trichloroethane
 Concen: 8.038 ppbv
 RT: 9.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Nov 2021 10:09

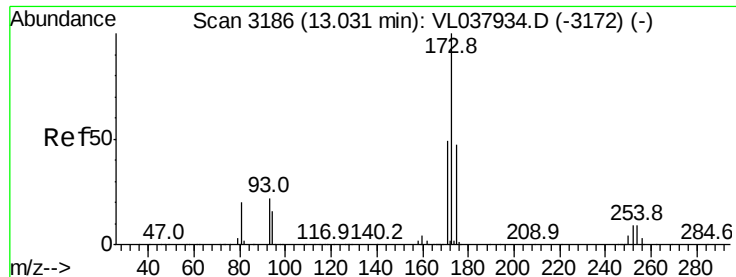
Tot Ion:	97	Resp:	1065245
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.4	104.2
85	60.1	45.0	67.6
99	61.4	48.7	73.1



#48
 Dibromochloromethane
 Concen: 9.085 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.02 min
 Lab File: VL038021.D
 Acq: 11 Nov 2021 10:09

Tgt Ion:	129	Resp:	1704703
Ion	Ratio	Lower	Upper
129	100		
127	78.2	40.3	120.9





#49

Bromoform

Concen: 9.666 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File:

Acq: 11 Nov 2021 10:09

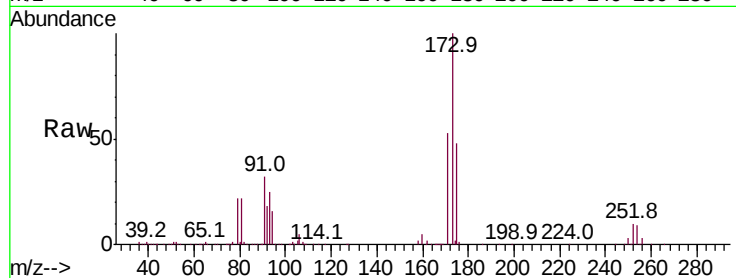
Tot Ion: 173 Resp: 1433692

Ion Ratio Lower Upper

173 100

175 49.6 39.5 59.3

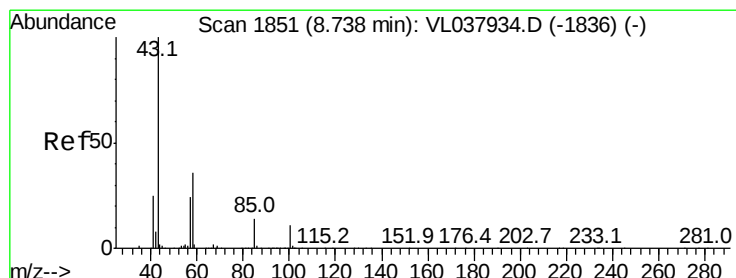
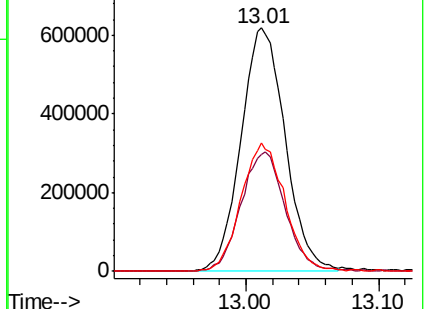
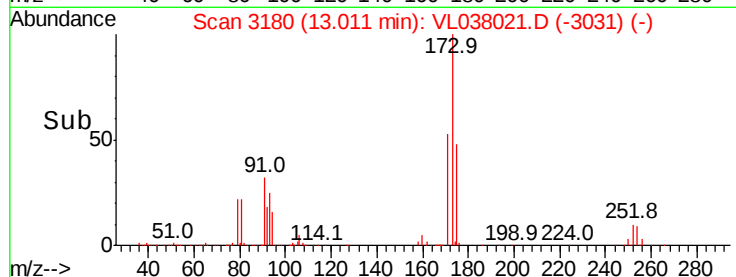
171 52.5 43.6 65.4



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: 9.363 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.02 min

Lab File: VL038021.D

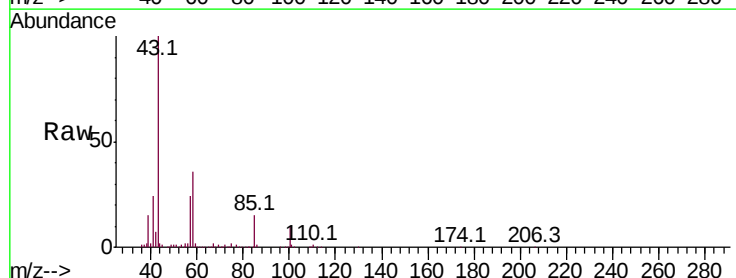
Acq: 11 Nov 2021 10:09

Tgt Ion: 43 Resp: 1754830

Ion Ratio Lower Upper

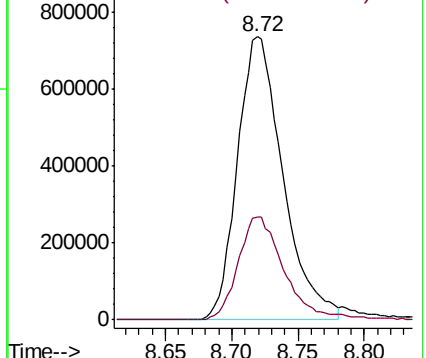
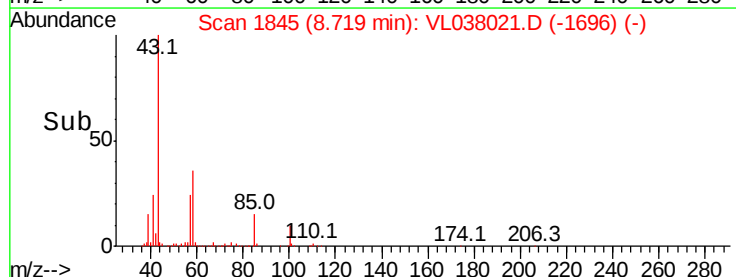
43 100

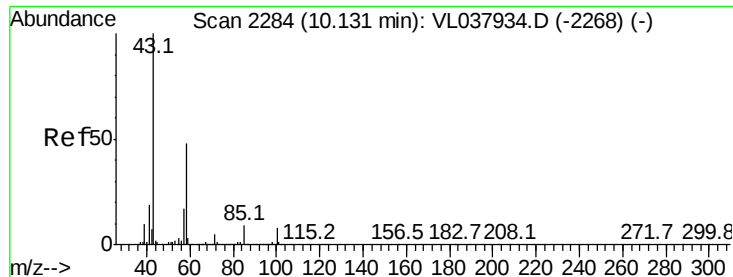
58 37.4 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

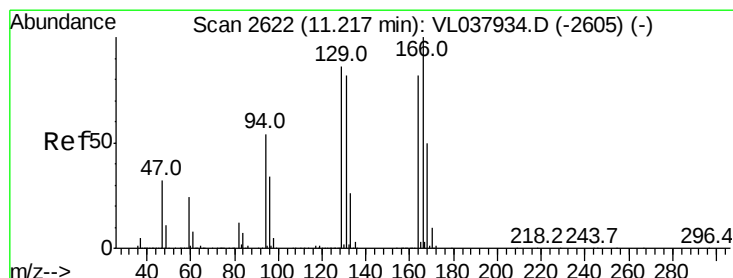
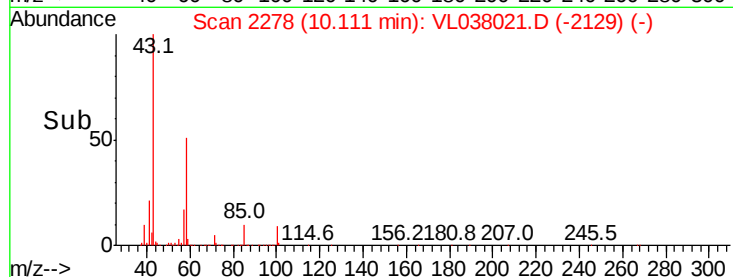
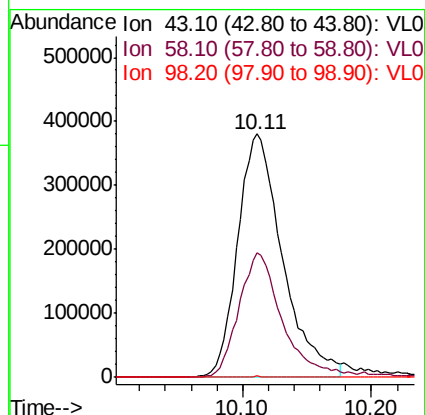
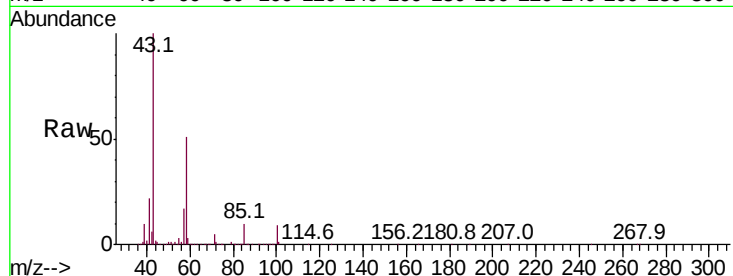
Ion 58.10 (57.80 to 58.80): VL0





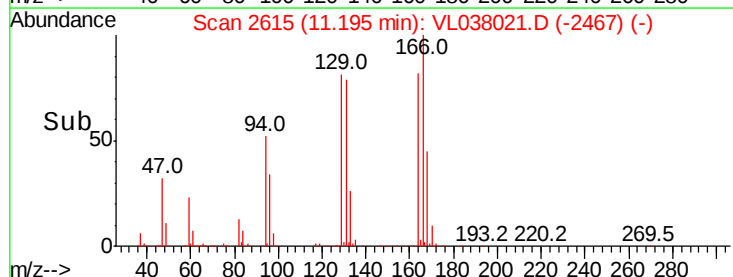
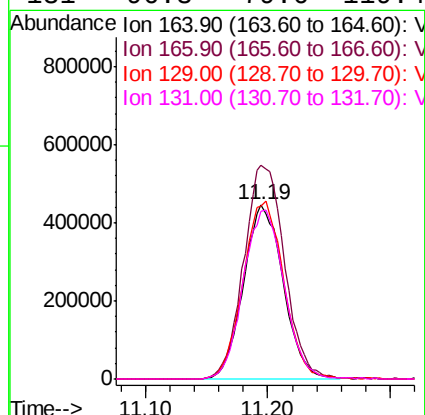
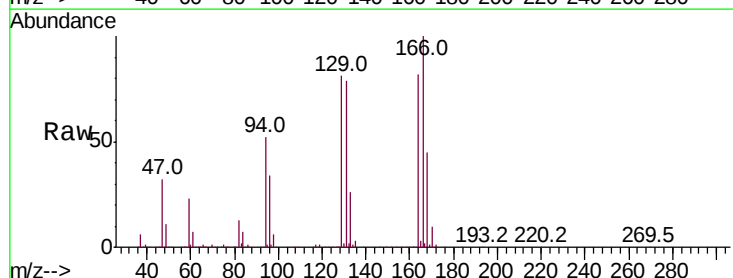
#51
2-Hexanone
Concen: 11.591 ppbv
RT: 10.11 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Nov 2021 10:09

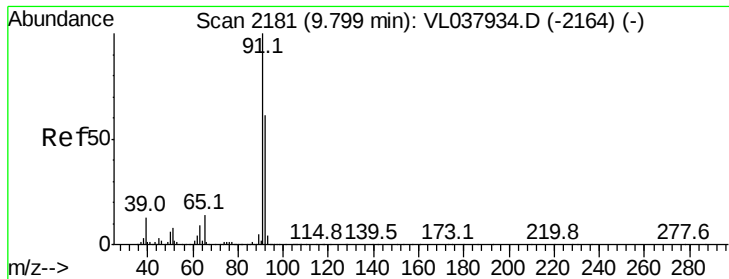
Tot Ion: 43 Resp: 915574
Ion Ratio Lower Upper
43 100
58 51.4 38.6 57.8
98 0.1 1.0 1.4#



#52
Tetrachloroethene
Concen: 8.425 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.02 min
Lab File: VL038021.D
Acq: 11 Nov 2021 10:09

Tgt Ion: 164 Resp: 1001933
Ion Ratio Lower Upper
164 100
166 122.2 97.6 146.4
129 99.1 84.2 126.2
131 96.3 79.6 119.4





#53

Toluene

Concen: 9.257 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

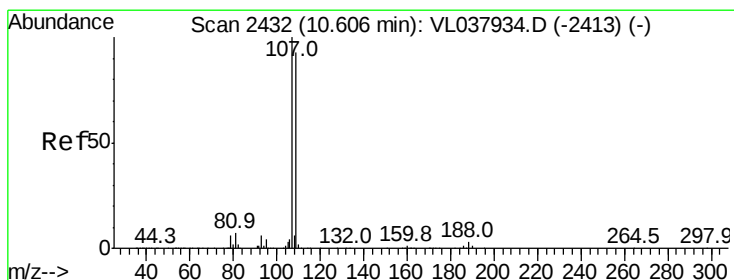
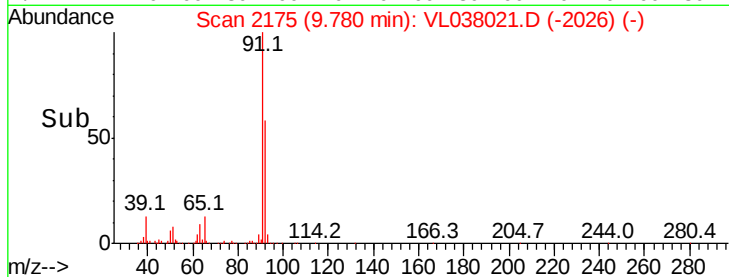
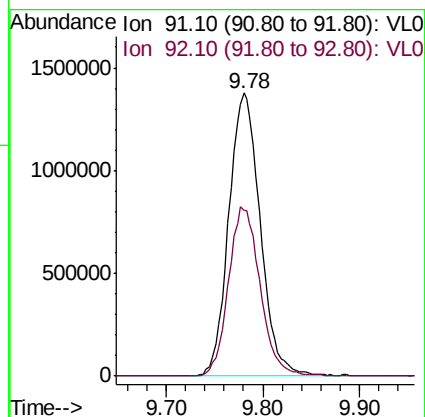
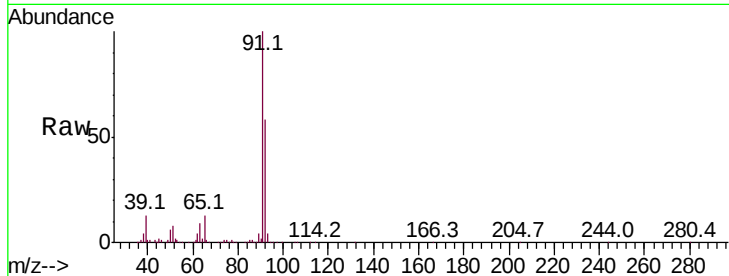
Acq: 11 Nov 2021 10:09

Tot Ion: 91 Resp: 3110985

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.4



#54

1,2-Dibromoethane

Concen: 8.329 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.02 min

Lab File: VL038021.D

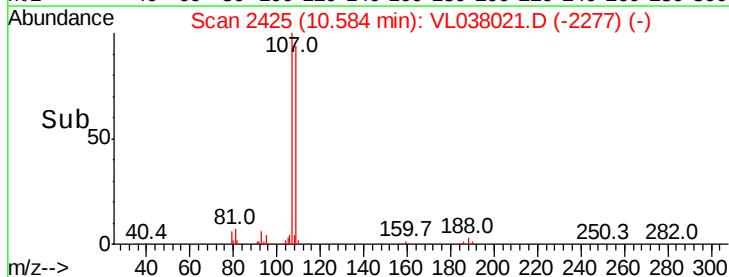
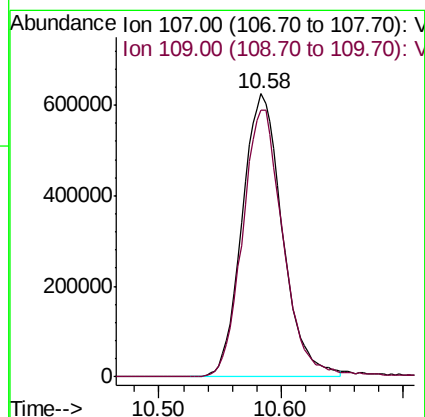
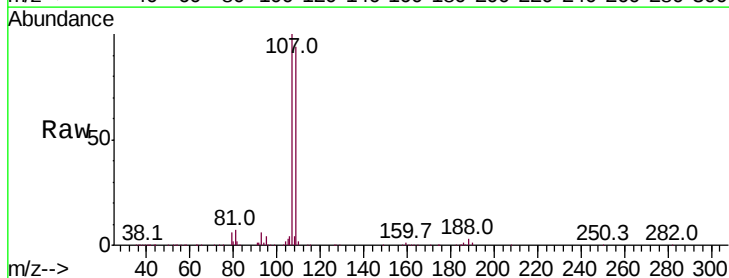
Acq: 11 Nov 2021 10:09

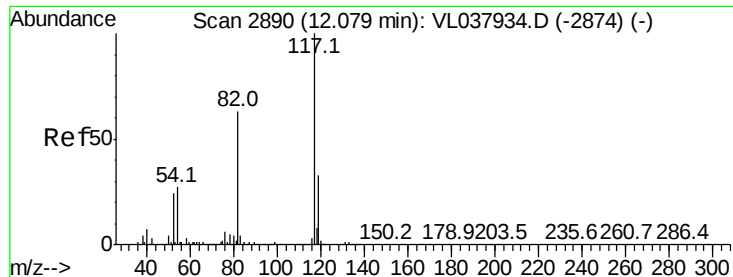
Tgt Ion: 107 Resp: 1423651

Ion Ratio Lower Upper

107 100

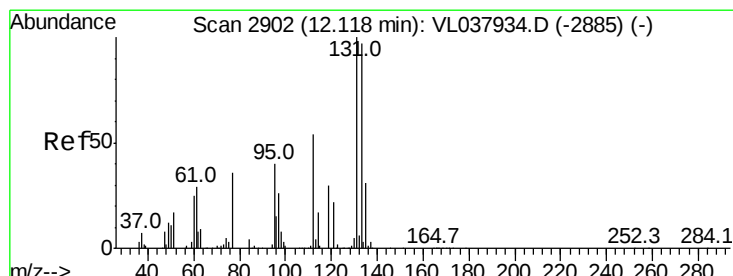
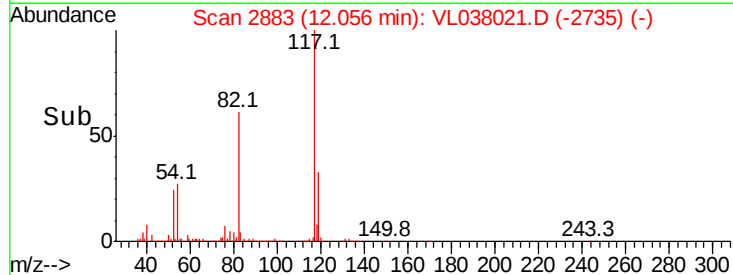
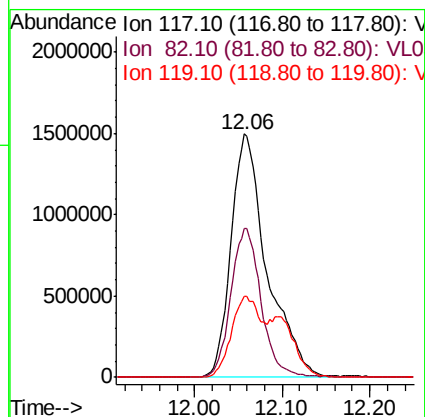
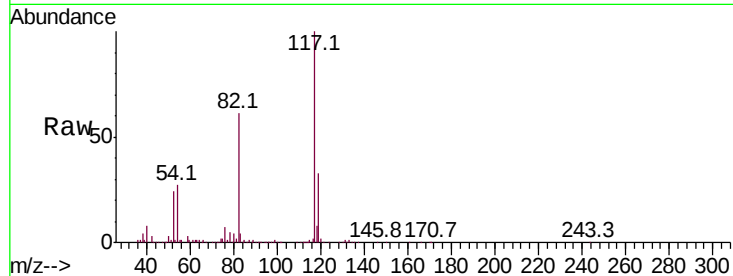
109 94.2 74.5 111.7





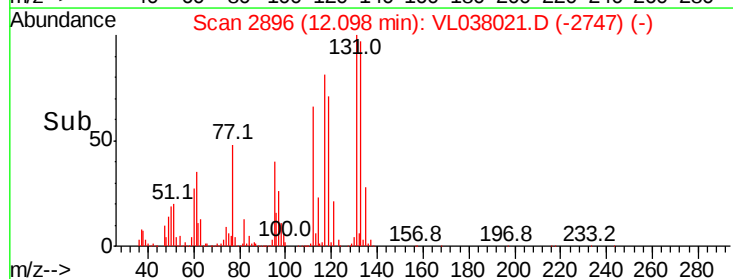
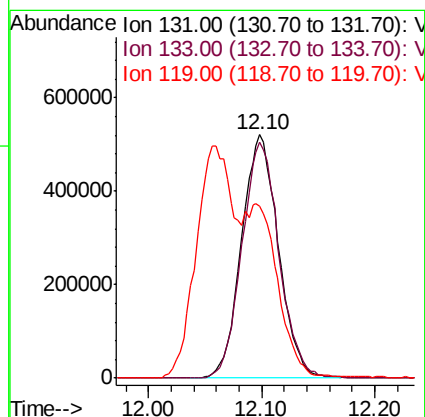
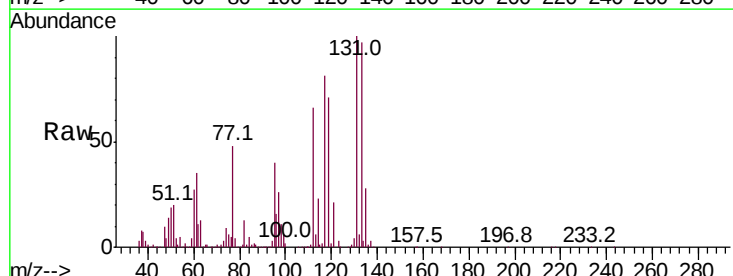
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Nov 2021 10:09

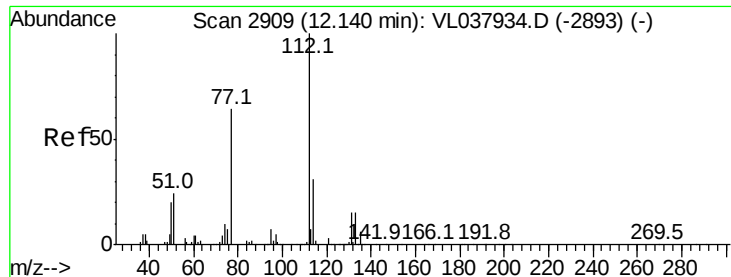
Tot Ion:117 Resp: 4273006
Ion Ratio Lower Upper
117 100
82 52.2 51.0 76.6
119 45.3 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 6.839 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL038021.D
Acq: 11 Nov 2021 10:09

Tgt Ion:131 Resp: 1179798
Ion Ratio Lower Upper
131 100
133 97.8 79.6 119.4
119 164.2 125.4 188.2





#57

Chlorobenzene

Concen: 6.704 ppbv

RT: 12.12 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 11 Nov 2021 10:09

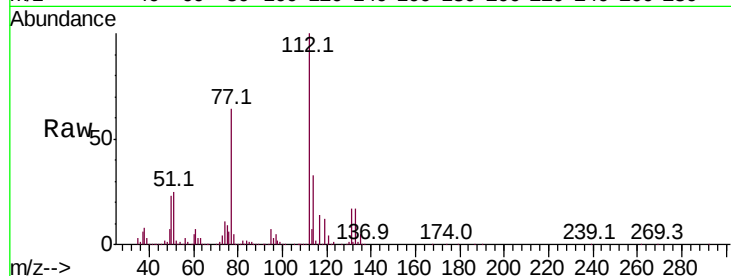
Tot Ion: 112 Resp: 2286364

Ion Ratio Lower Upper

112 100

77 63.3 51.1 76.7

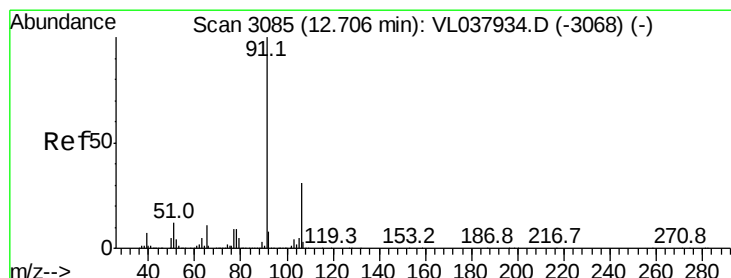
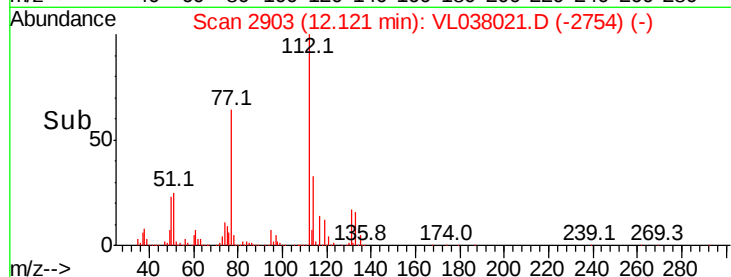
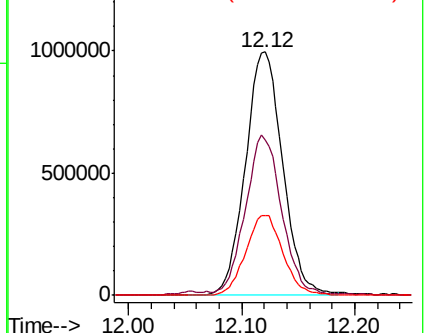
114 32.5 27.9 34.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.810 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.02 min

Lab File: VL038021.D

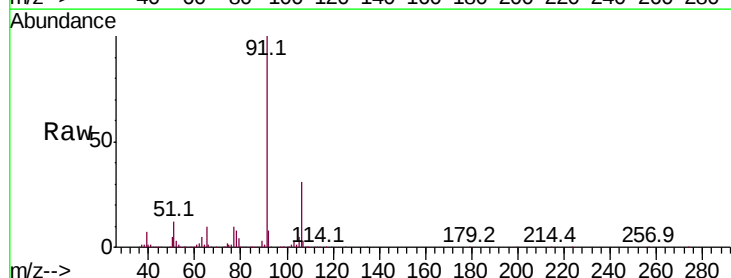
Acq: 11 Nov 2021 10:09

Tgt Ion: 91 Resp: 4080881

Ion Ratio Lower Upper

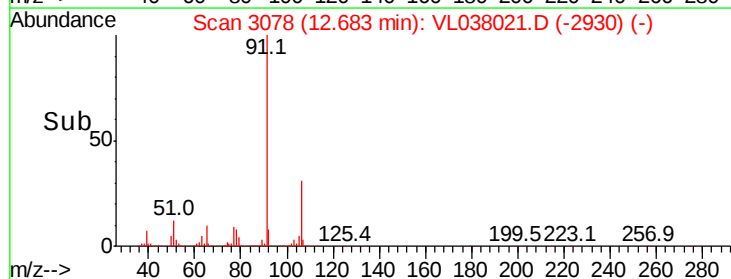
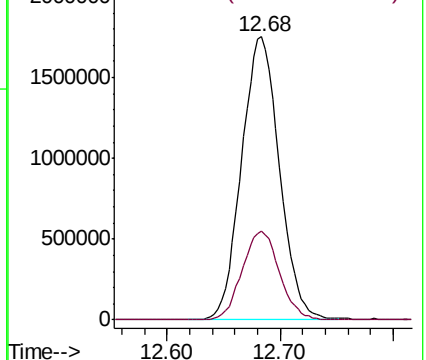
91 100

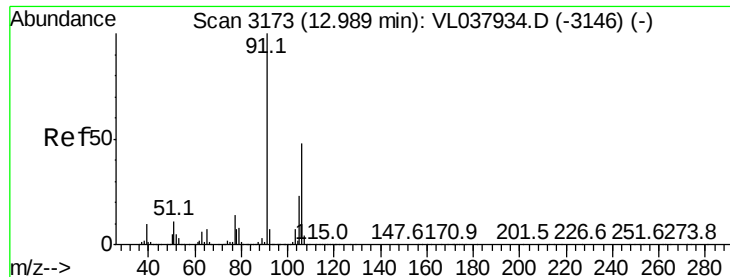
106 31.2 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

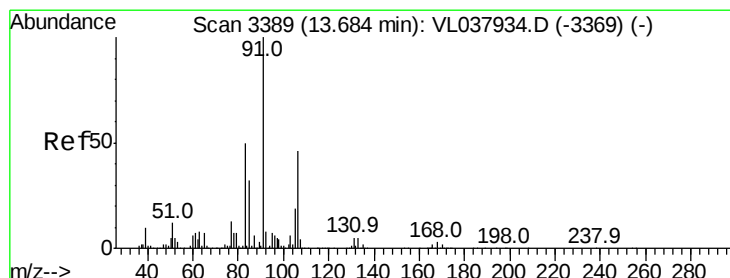
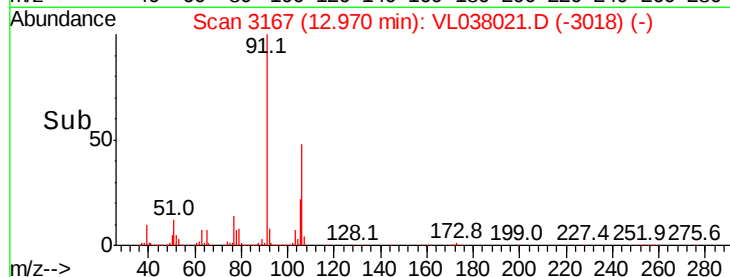
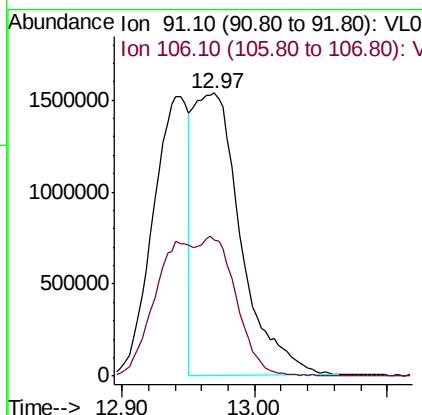
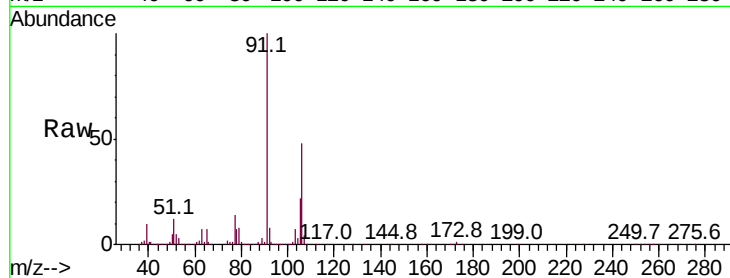
Ion 106.10 (105.80 to 106.80): V





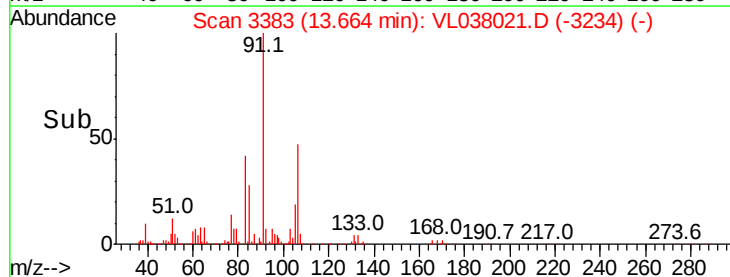
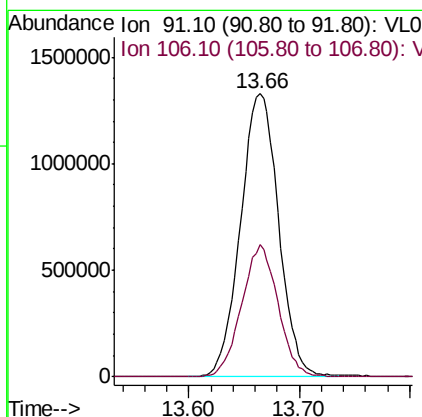
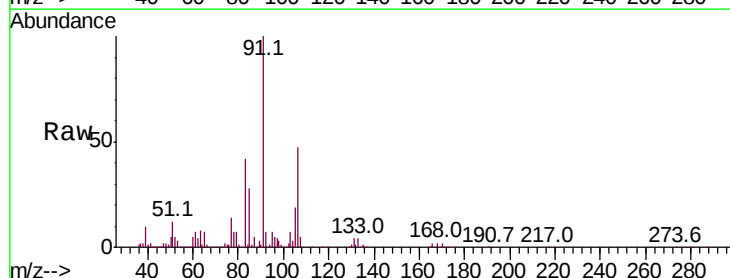
#59
m/p-Xylene
Concen: 8.098 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Nov 2021 10:09

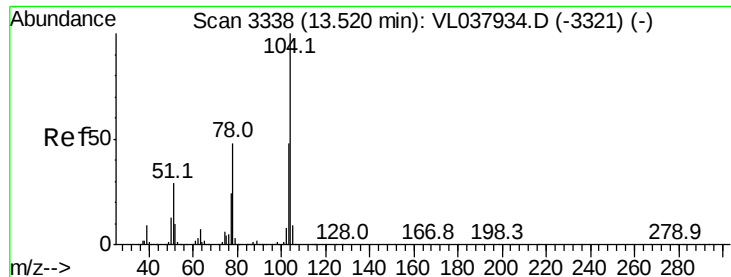
Tot Ion: 91 Resp: 3761267
Ion Ratio Lower Upper
91 100
106 80.4 37.1 55.7#



#60
o-Xylene
Concen: 7.232 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VL038021.D
Acq: 11 Nov 2021 10:09

Tgt Ion: 91 Resp: 3167063
Ion Ratio Lower Upper
91 100
106 44.9 23.5 70.6





#61

Stvrene

Concen: 8.480 ppbv

RT: 13.50

Delta R.T. MSVOA_L

Lab File:

Acq: 11 Nov 2021 10:09

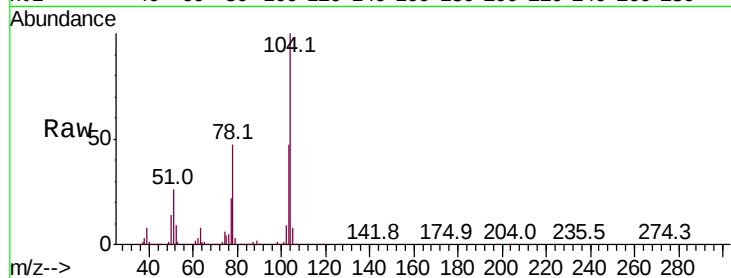
Tot Ion:104 Resp: 1705477

Ion Ratio Lower Upper

104 100

78 49.1 39.3 58.9

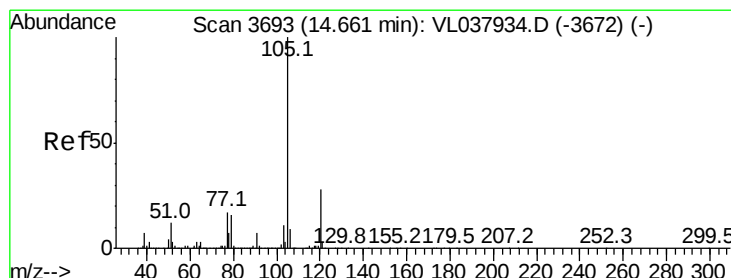
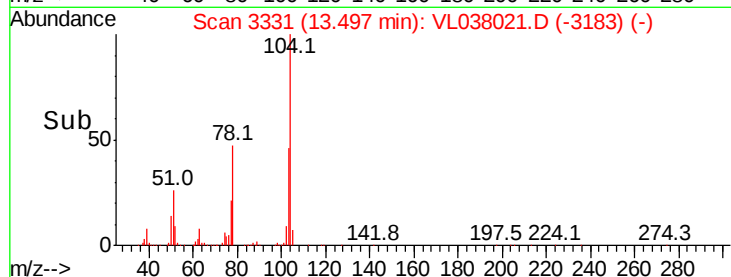
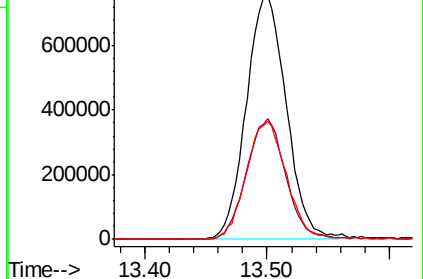
103 49.0 39.6 59.4



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: 7.314 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.02 min

Lab File: VL038021.D

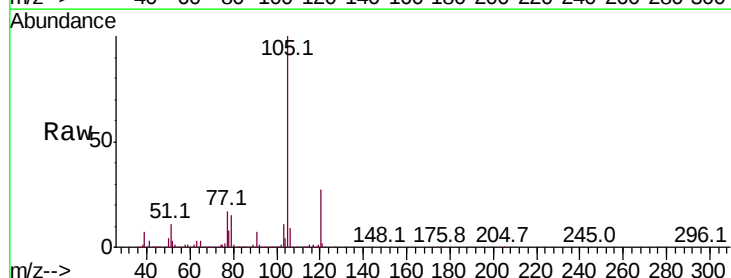
Acq: 11 Nov 2021 10:09

Tgt Ion:105 Resp: 4534888

Ion Ratio Lower Upper

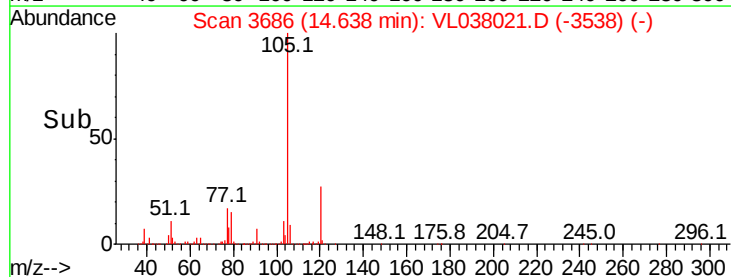
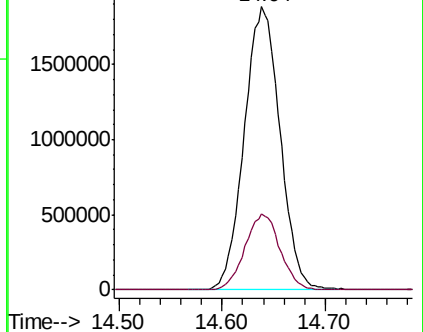
105 100

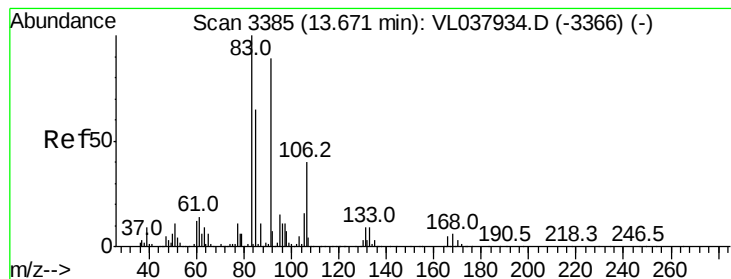
120 26.4 21.8 32.6



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: 6.039 ppbv

RT: 13.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Nov 2021 10:09

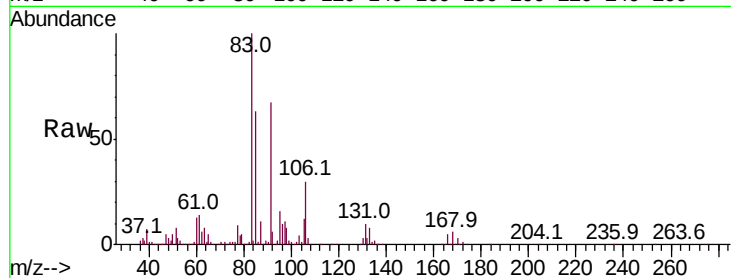
Tot Ion: 83 Resp: 2276043

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.4

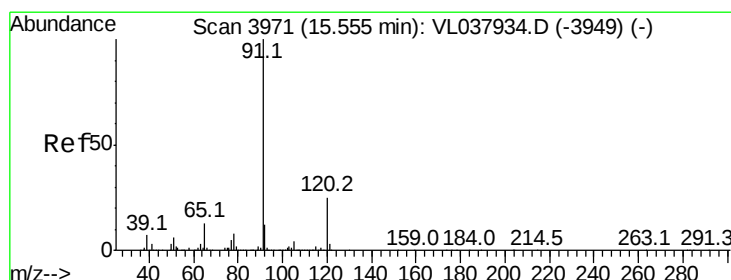
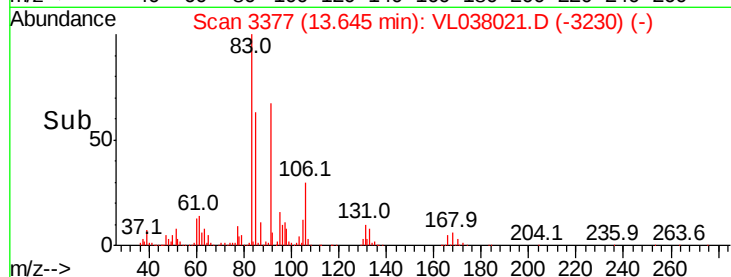
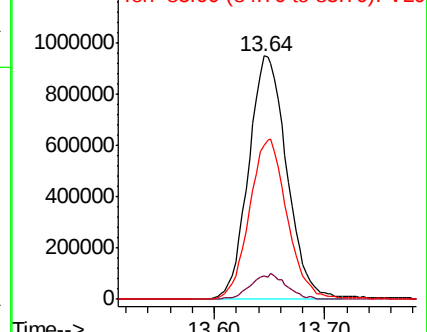
85 65.8 32.5 97.5



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: 7.583 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.02 min

Lab File: VL038021.D

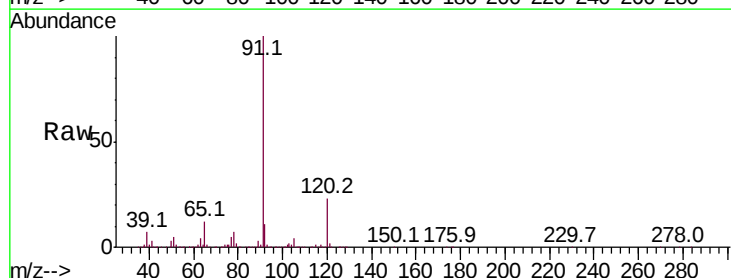
Acq: 11 Nov 2021 10:09

Tgt Ion:120 Resp: 1204717

Ion Ratio Lower Upper

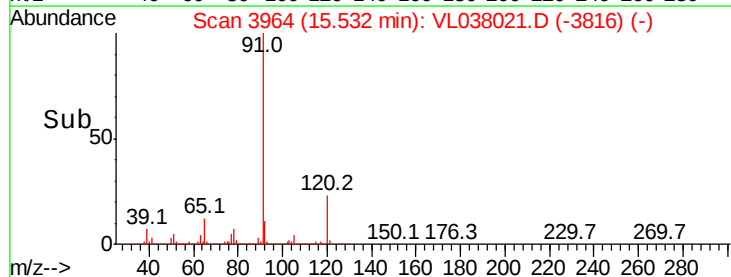
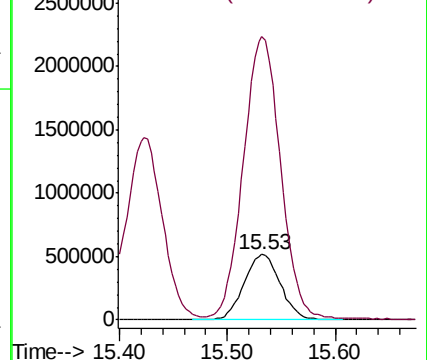
120 100

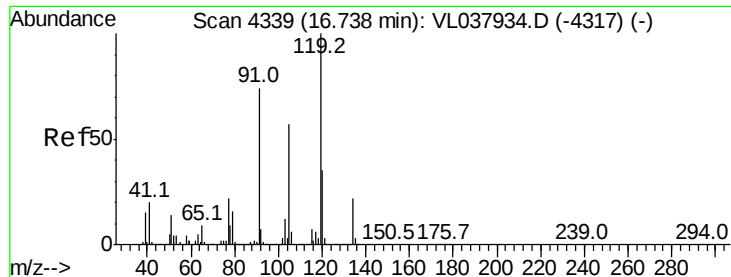
91 448.5 363.3 544.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.215 ppbv

RT: 16.72 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Nov 2021 10:09

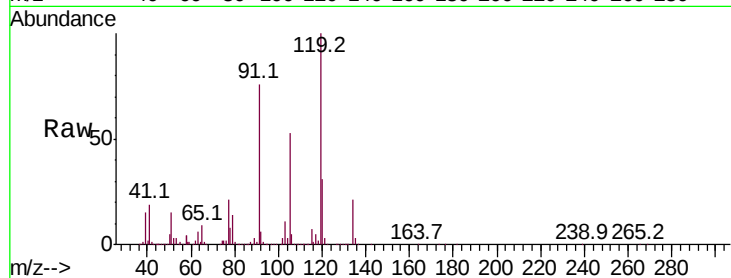
Tot Ion: 119 Resp: 3953860

Ion Ratio Lower Upper

119 100

91 77.5 61.8 92.6

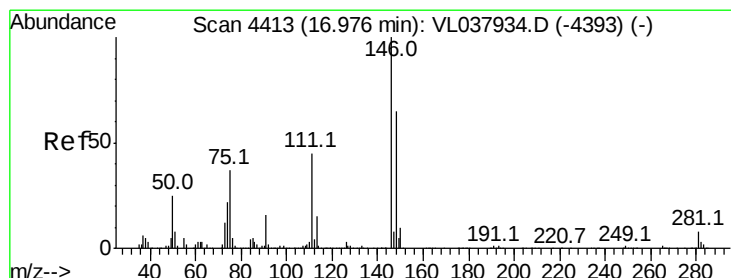
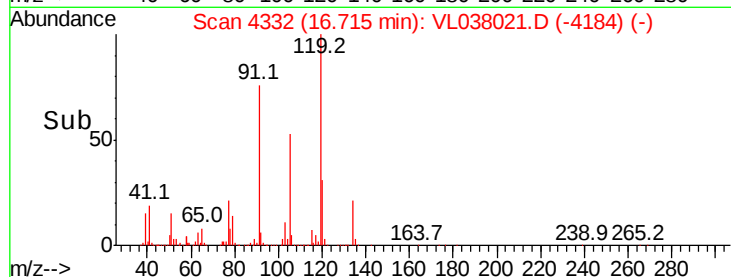
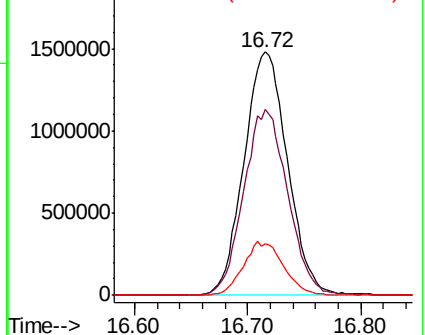
134 20.5 16.6 25.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 106.483 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.26 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

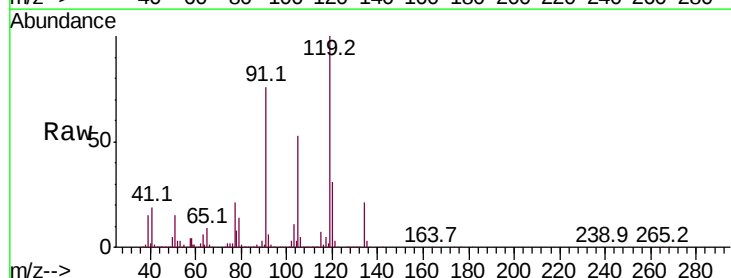
Tgt Ion: 91 Resp: 3048947

Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

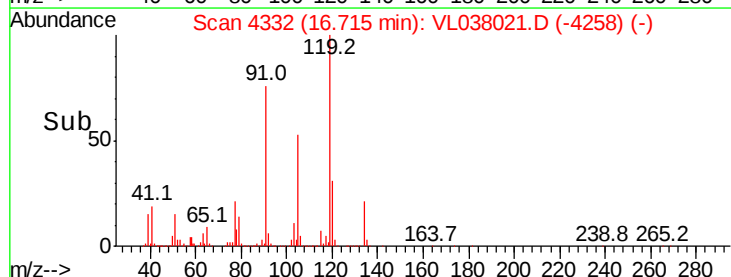
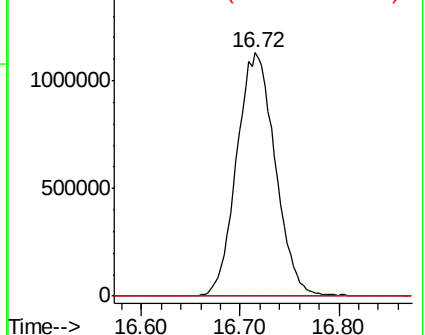
128 0.2 5.1 7.7#

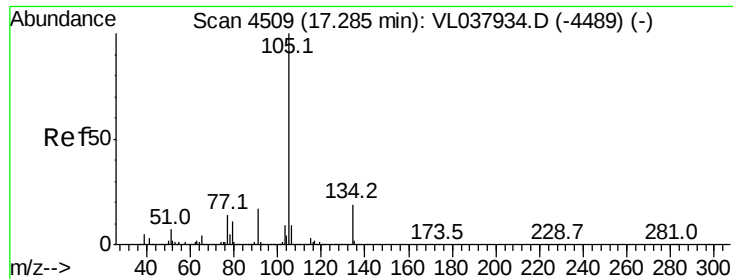


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.325 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File:

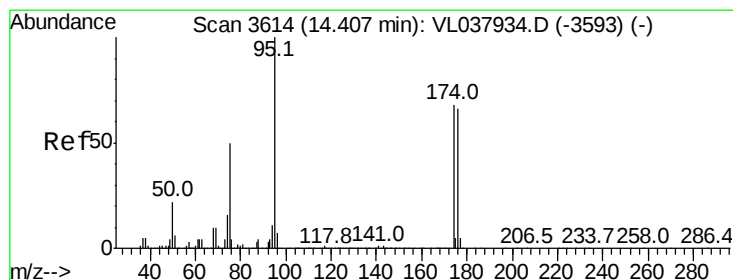
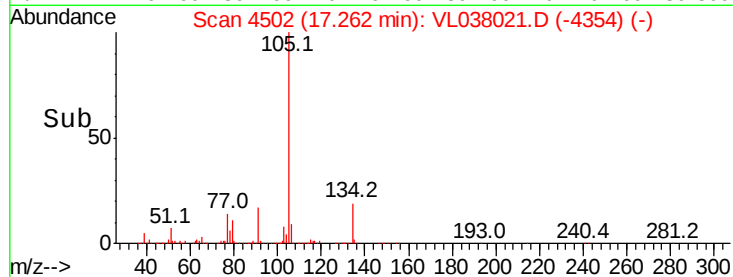
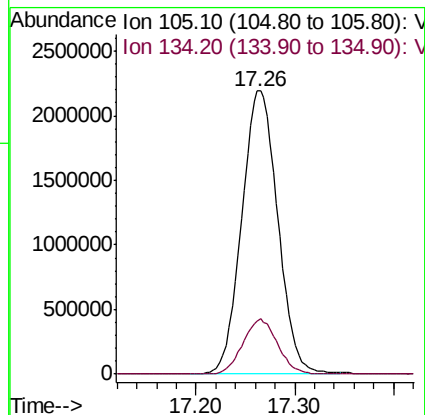
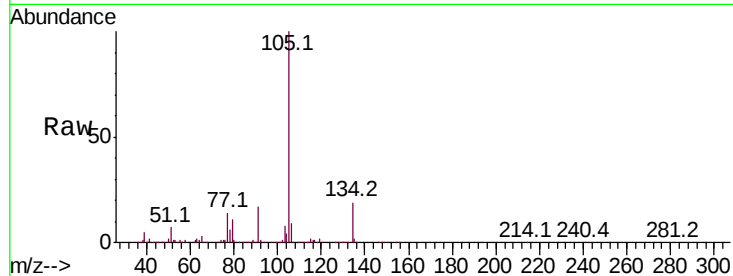
Acq: 11 Nov 2021 10:09

Tot Ion: 105 Resp: 5530134

Ion Ratio Lower Upper

105 100

134 18.8 15.4 23.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.502 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

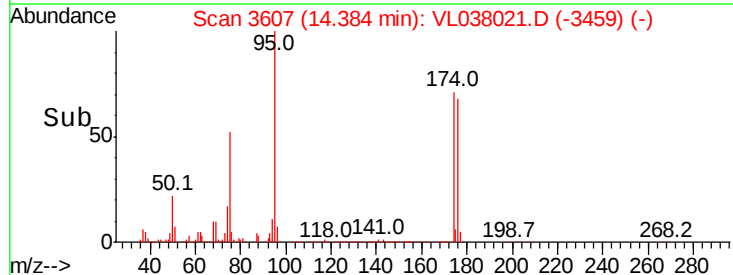
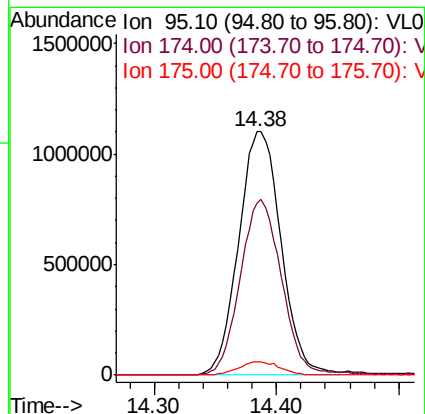
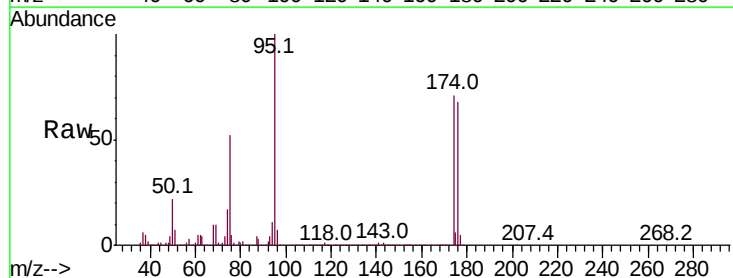
Tgt Ion: 95 Resp: 2640794

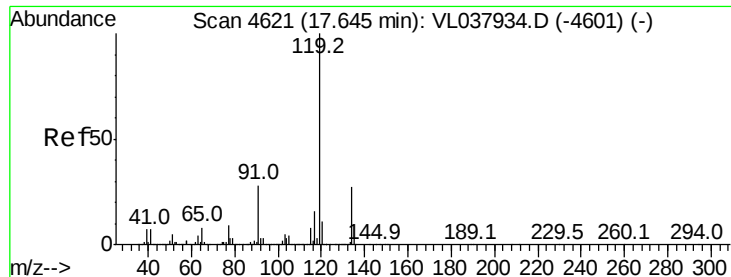
Ion Ratio Lower Upper

95 100

174 71.1 58.3 87.5

175 5.5 4.6 6.8

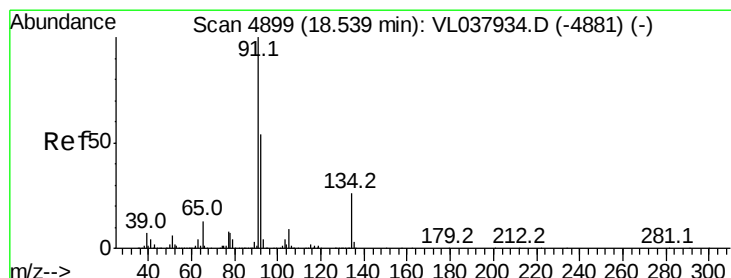
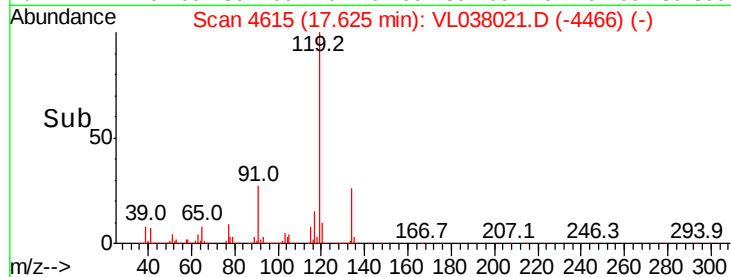
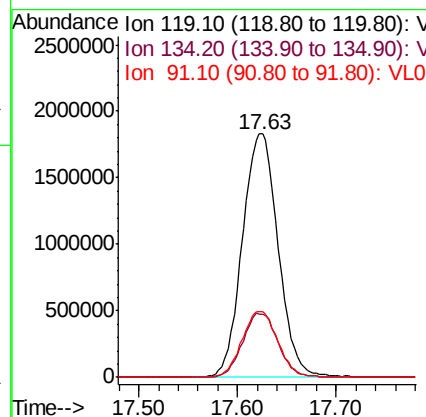
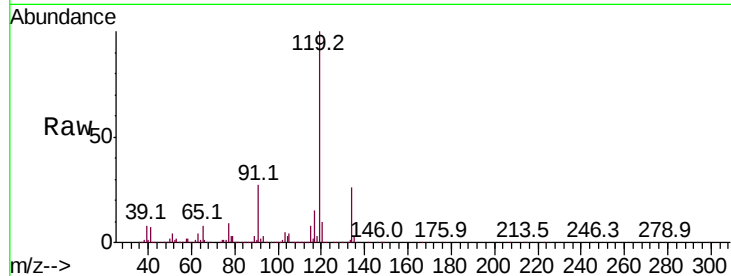




#69
 p-Isopropyltoluene
 Concen: 7.577 ppbv
 RT: 17.63 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 11 Nov 2021 10:09

Tot Ion: 119 Resp: 4588487

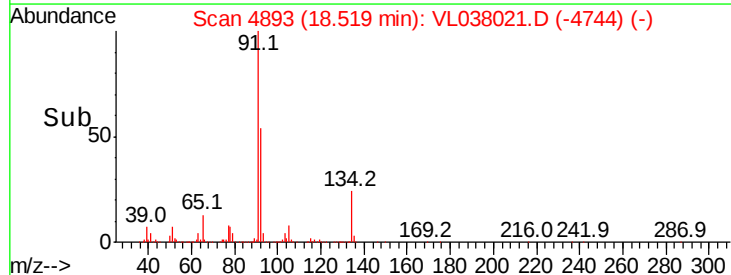
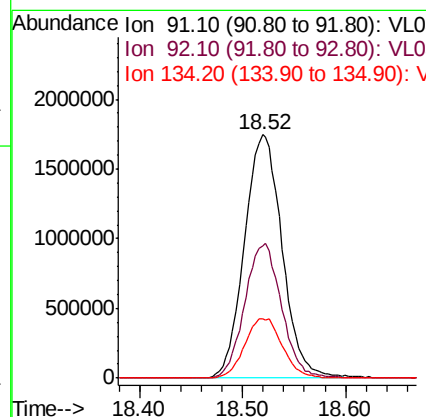
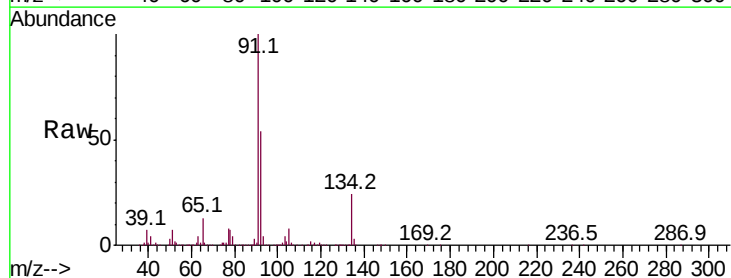
Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.0	31.4
91	27.3	21.8	32.8

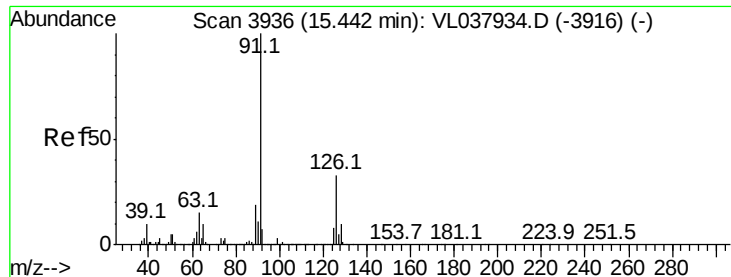


#70
 n-Butylbenzene
 Concen: 7.956 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T.: -0.02 min
 Lab File: VL038021.D
 Acq: 11 Nov 2021 10:09

Tgt Ion: 91 Resp: 4427280

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.6	65.4
134	24.6	19.8	29.6





#71

2-Chlorotoluene

Concen: 7.754 ppbv

RT: 15.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

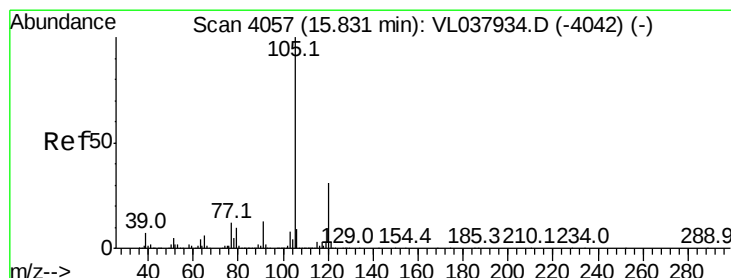
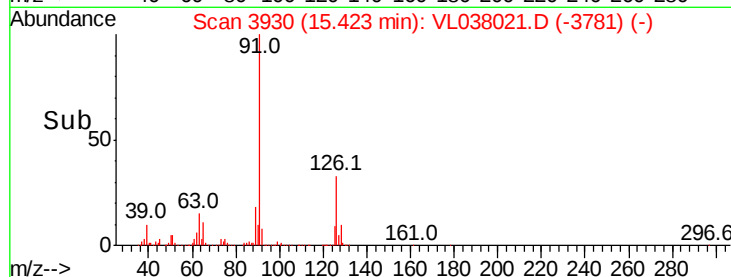
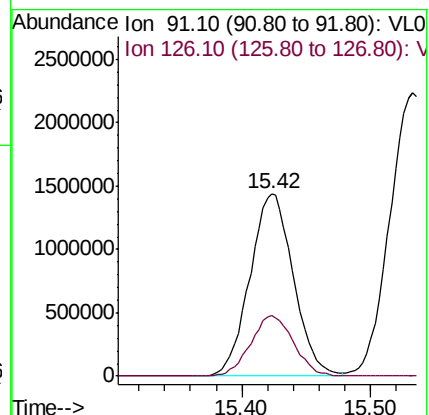
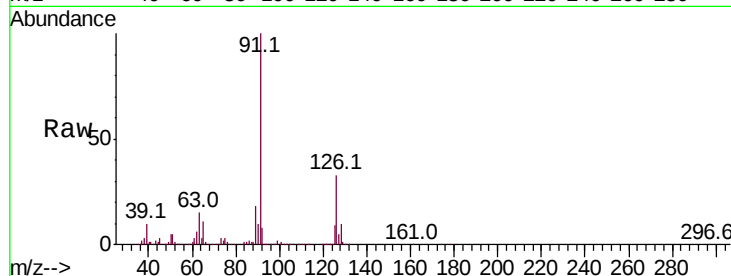
Acq: 11 Nov 2021 10:09

Tot Ion: 91 Resp: 3368668

Ion Ratio Lower Upper

91 100

126 33.0 13.3 53.3



#72

4-Ethyltoluene

Concen: 7.550 ppbv

RT: 15.81 min Scan# 4050

Delta R.T. -0.02 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion: 105 Resp: 3787389

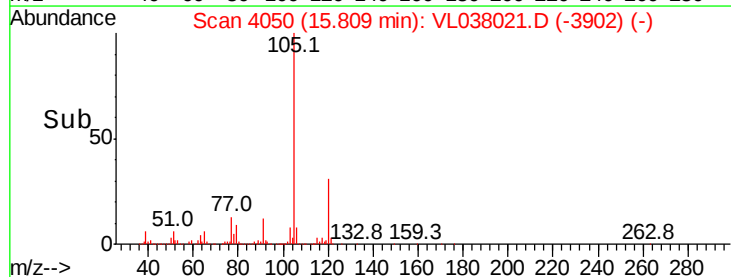
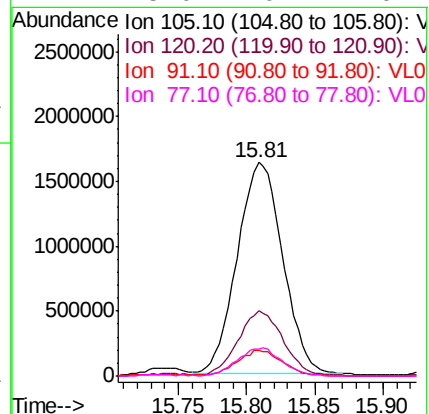
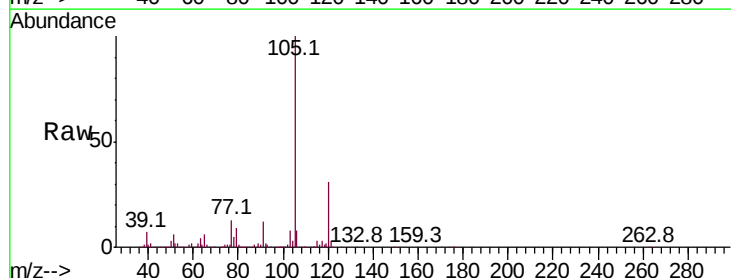
Ion Ratio Lower Upper

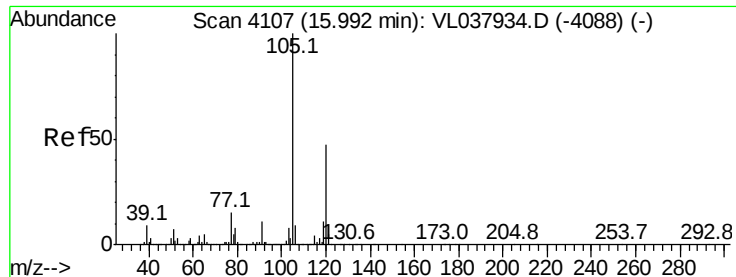
105 100

120 30.6 25.3 37.9

91 12.1 9.9 14.9

77 13.0 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 7.166 ppbv

RT: 15.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

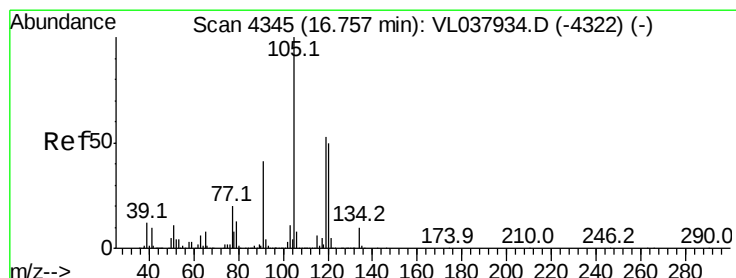
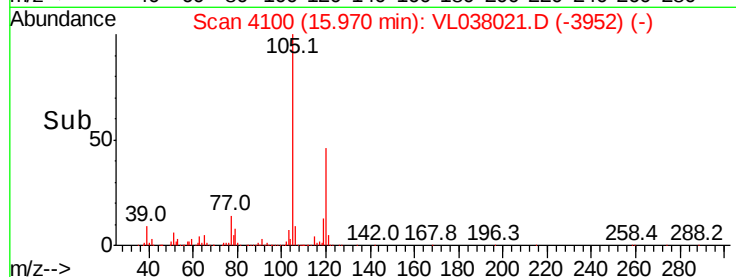
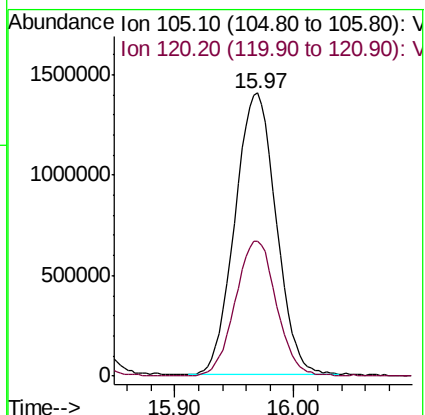
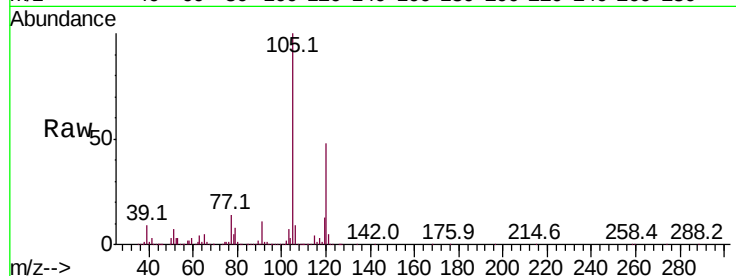
Acq: 11 Nov 2021 10:09

Tot Ion:105 Resp: 3366372

Ion Ratio Lower Upper

105 100

120 47.6 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 7.057 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.03 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

Tgt Ion:105 Resp: 3473258

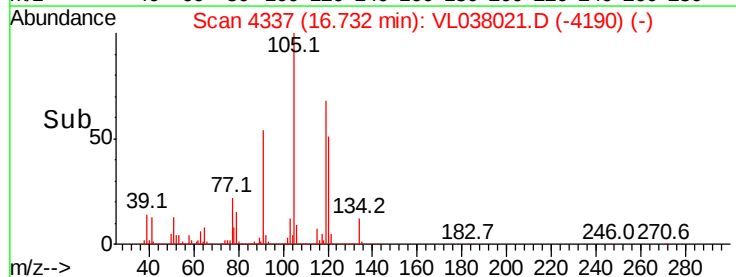
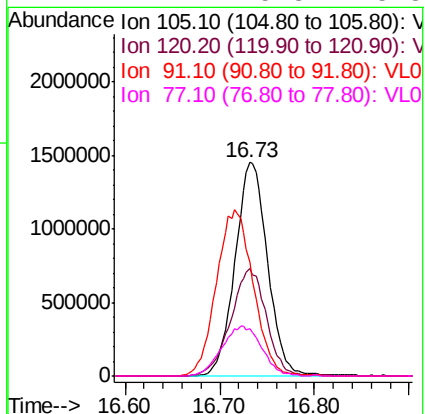
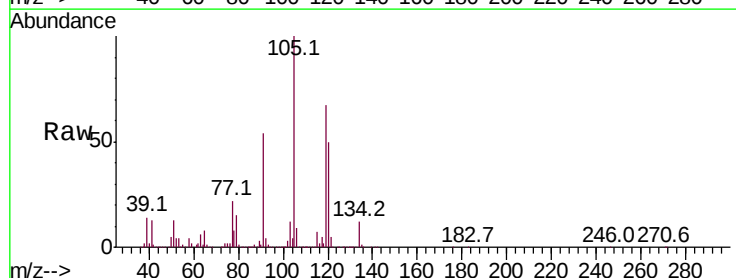
Ion Ratio Lower Upper

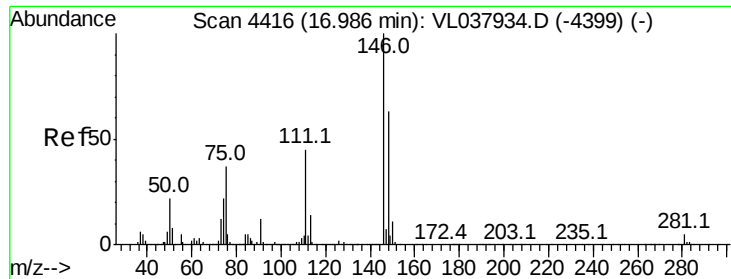
105 100

120 50.3 40.0 60.0

91 53.3 32.6 49.0#

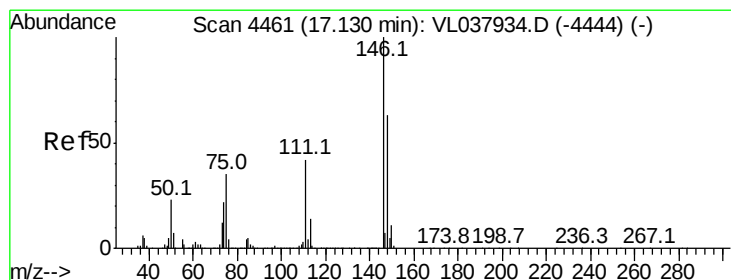
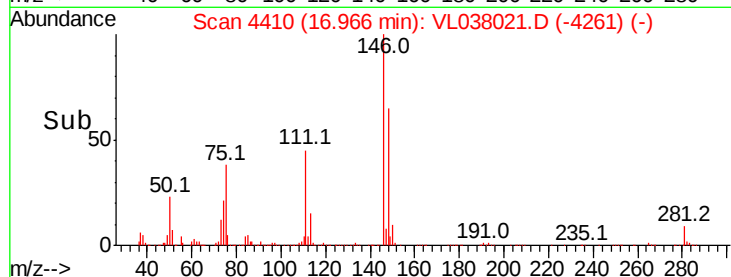
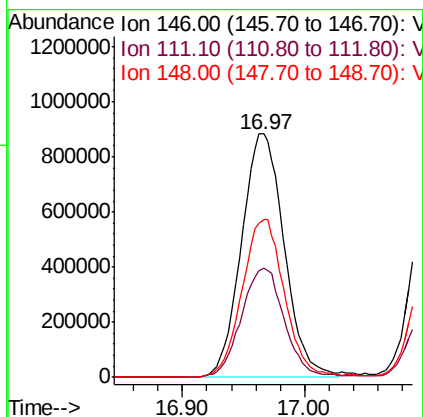
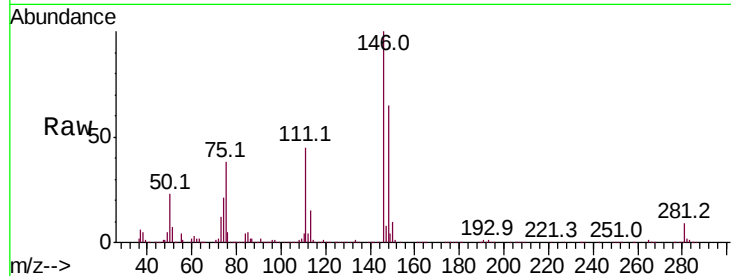
77 22.2 15.8 23.8





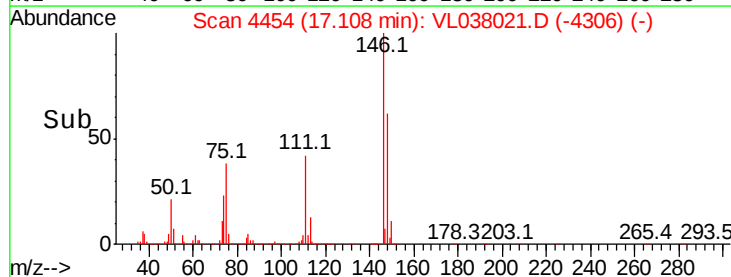
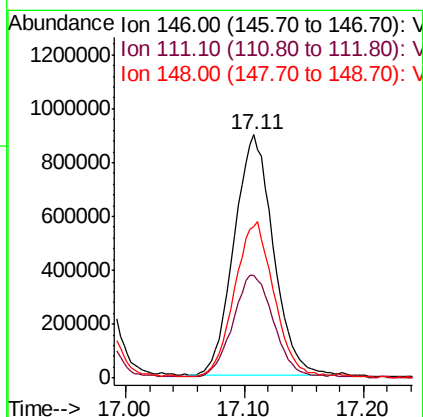
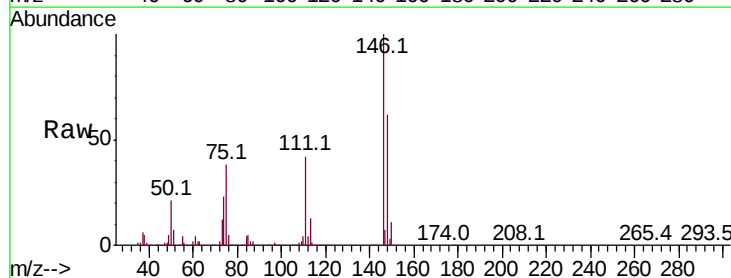
#75
 1,3-Dichlorobenzene
 Concen: 6.975 ppbv
 RT: 16.97 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 11 Nov 2021 10:09

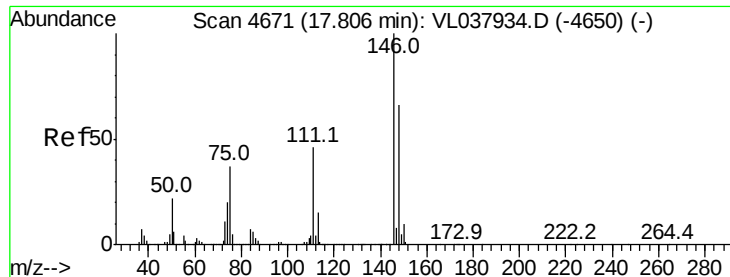
Tot Ion:146 Resp: 2137546
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.7 68.1
 148 64.7 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 6.911 ppbv
 RT: 17.11 min Scan# 4454
 Delta R.T. -0.02 min
 Lab File: VL038021.D
 Acq: 11 Nov 2021 10:09

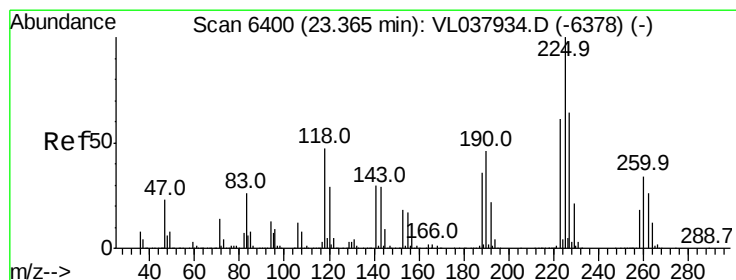
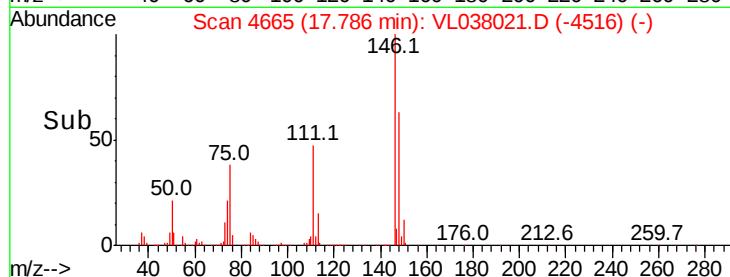
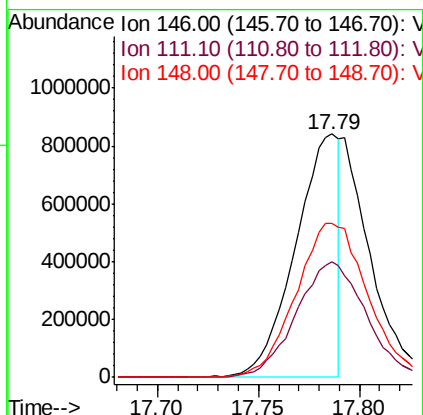
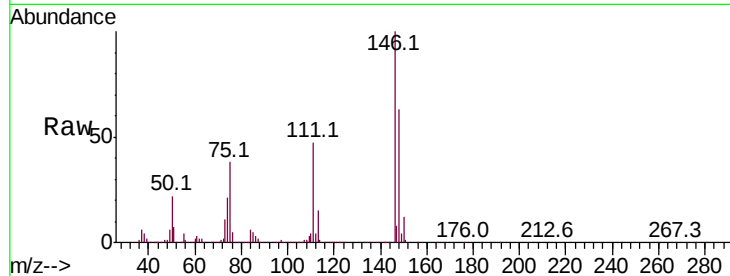
Tgt Ion:146 Resp: 2049229
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.7 68.1
 148 67.0 33.5 100.4





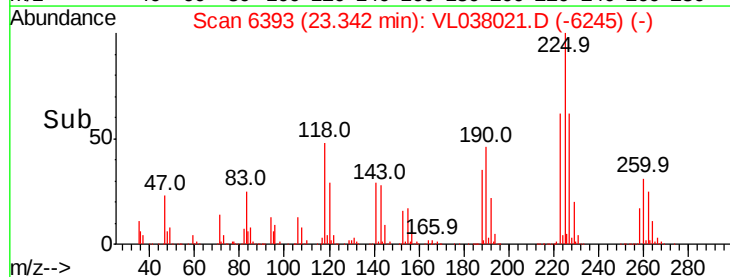
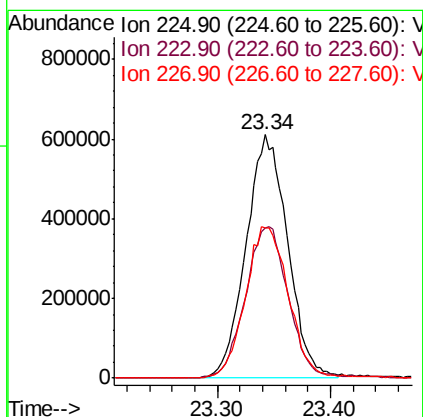
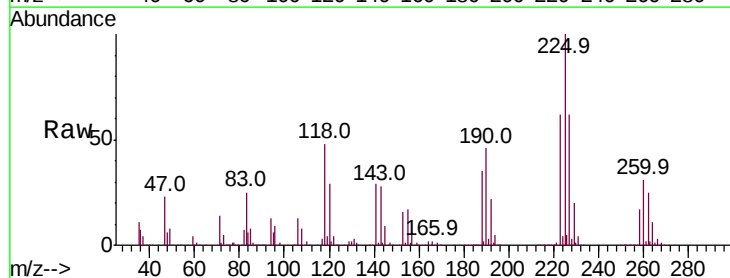
#77
 1,2-Dichlorobenzene
 Concen: 4.351 ppbv
 RT: 17.79 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 11 Nov 2021 10:09

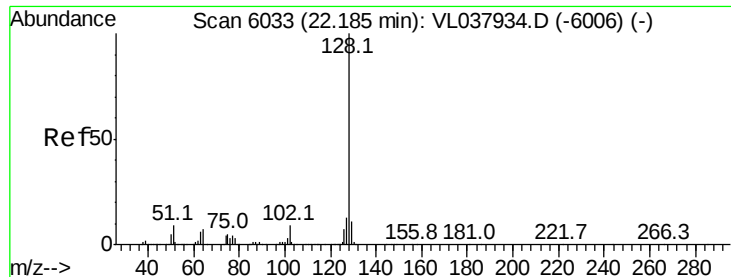
Tot Ion:146 Resp: 1251990
 Ion Ratio Lower Upper
 146 100
 111 77.7 23.4 70.2#
 148 106.6 32.6 97.7#



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.339 ppbv
 RT: 23.34 min Scan# 6393
 Delta R.T.: -0.02 min
 Lab File: VL038021.D
 Acq: 11 Nov 2021 10:09

Tgt Ion:225 Resp: 1561303
 Ion Ratio Lower Upper
 225 100
 223 64.7 50.0 75.0
 227 64.7 51.5 77.3





#79

Naphthalene

Concen: 8.158 ppbv

RT: 22.16

Delta R.T. MSVOA_1

Lab File:

Acq: 11 Nov 2021 10:09

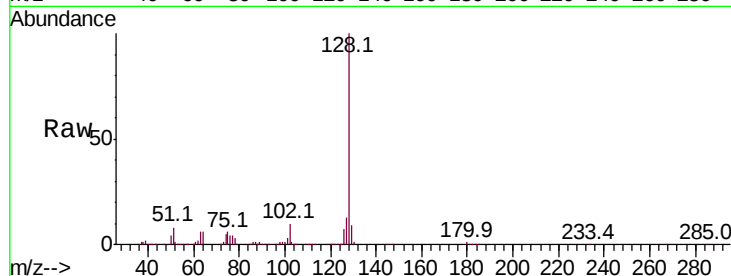
Tot Ion:128 Resp: 2313316

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

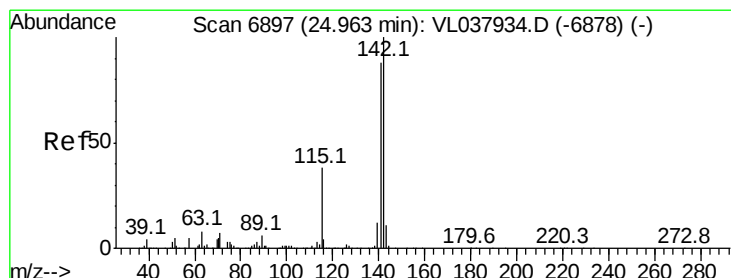
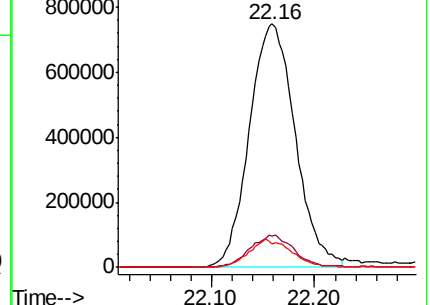
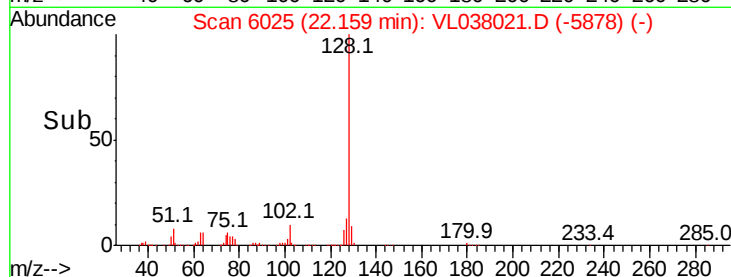
129 9.4 9.0 13.4



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: 6.549 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. -0.01 min

Lab File: VL038021.D

Acq: 11 Nov 2021 10:09

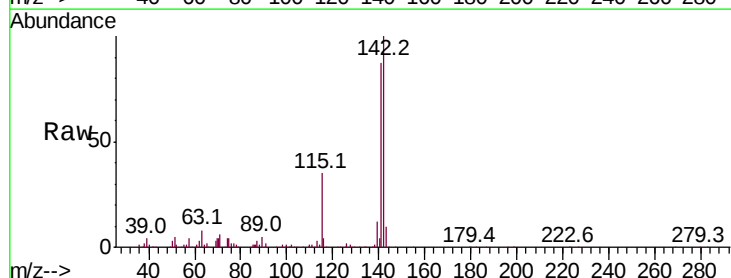
Tgt Ion:142 Resp: 361507

Ion Ratio Lower Upper

142 100

141 85.0 66.4 99.6

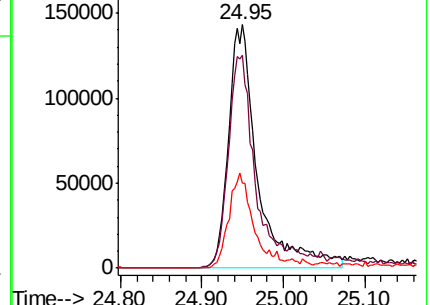
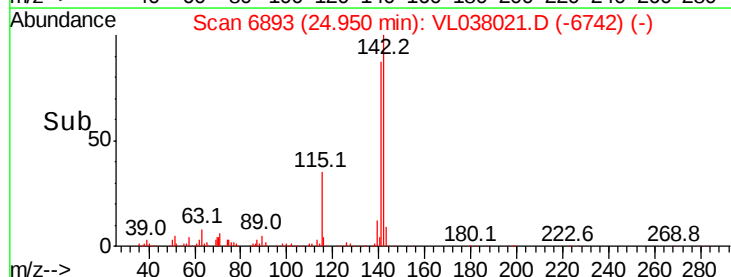
115 36.6 29.0 43.4

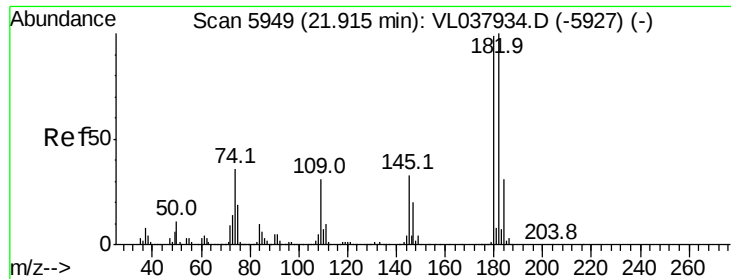


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

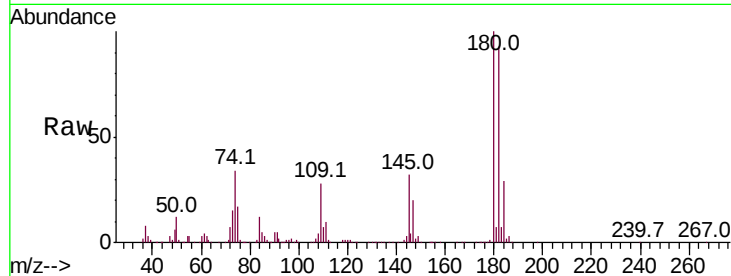
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.631 ppbv
 RT: 21.89
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Nov 2021 10:09

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	79.3	118.9
184	31.2	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

