

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110221\
 Data File : VL037974.D
 Acq On : 2 Nov 2021 19:36
 Operator : SY/AP
 Sample : VL1102ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1102ABS02

Quant Time: Nov 03 03:49:59 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	1374619	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4102829	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	4545488	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2767019	8.37	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1795343	9.270	ppbv	98
3) Chlorodifluoromethane	2.99	51	2466018	9.637	ppbv	100
4) Chloromethane	3.14	50	932654	9.590	ppbv	98
5) Vinyl Chloride	3.25	62	938973	10.018	ppbv	97
6) Bromomethane	3.47	94	522233	10.314	ppbv	96
7) Chloroethane	3.56	64	326846	9.660	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2133867	9.565	ppbv	100
9) Propene	3.01	41	891215	9.714	ppbv	97
10) Heptane	8.11	43	2213597	10.370	ppbv	99
11) Trichlorofluoromethane	3.94	101	1918343	9.947	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1471113	9.786	ppbv	100
13) Ethanol	3.61	45	14545	1.571	ppbv #	32
14) Bromoethene	3.74	108	672320	10.223	ppbv	99
15) Acetone	3.84	43	1104270	9.722	ppbv	99
16) 1,3-Butadiene	3.32	39	895225	10.002	ppbv	98
17) tert-Butyl alcohol	4.28	59	1238586	10.487	ppbv	99
18) 1,1-Dichloroethene	4.29	96	677240	9.788	ppbv	99
19) Isopropyl Alcohol	3.96	45	757080	10.423	ppbv #	94
20) Methylene Chloride	4.34	84	575291	9.225	ppbv	96
21) Allyl Chloride	4.40	41	1063610	10.148	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	690507	10.043	ppbv	95
23) Vinyl Acetate	5.06	43	1765354	10.322	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1358044	9.611	ppbv	99
25) Ethyl Acetate	5.66	43	3513244	10.413	ppbv	100
26) Hexane	5.67	57	1647820	10.309	ppbv	99
27) Carbon Disulfide	4.54	76	1615925	10.240	ppbv	96
28) Methyl tert-Butyl Ether	5.02	73	1335269	9.936	ppbv	100
29) Chloroform	5.74	83	2272487	9.533	ppbv	98
30) Cyclohexane	7.11	84	1343248	9.830	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1479109	10.142	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2168463	9.255	ppbv	99
34) 2-Butanone	5.23	43	1529207	10.059	ppbv	99
35) Carbon Tetrachloride	7.00	117	2216258	8.935	ppbv	98
36) Benzene	6.88	78	3359063	10.053	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1605516	10.107	ppbv	99
38) Trichloroethene	7.82	130	1304036	9.403	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1267569	10.083	ppbv	98
40) 1,4-Dioxane	7.82	88	316659	9.564	ppbv	96
41) Tetrahydrofuran	6.03	42	789473	10.613	ppbv	99
42) Bromodichloromethane	7.78	83	2367901	9.860	ppbv	99
43) Methyl Methacrylate	8.00	69	1201692	10.957	ppbv	99

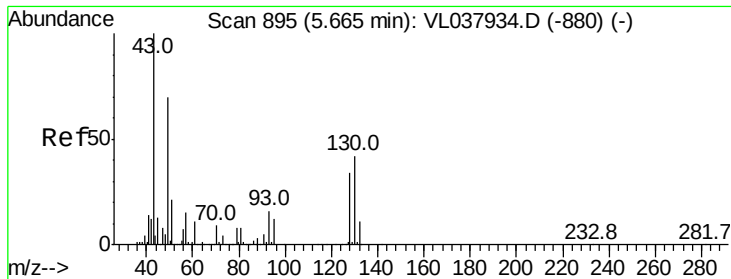
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110221\
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 VL1102ABS02

Quant Time: Nov 03 03:49:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
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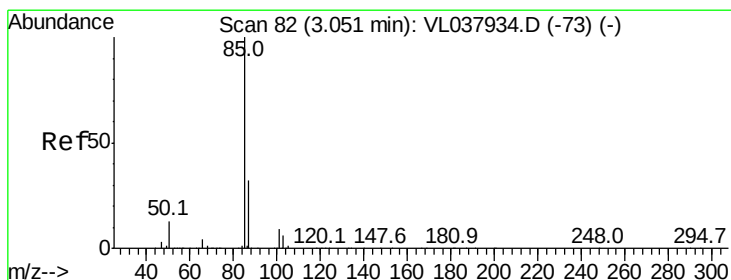
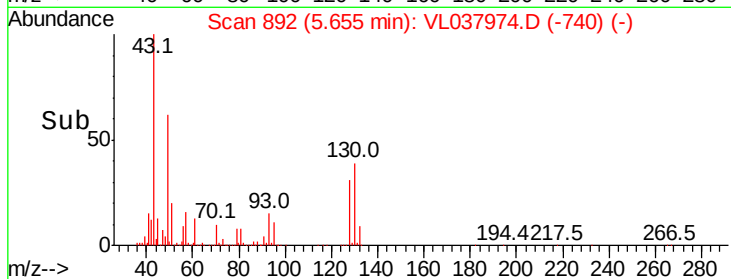
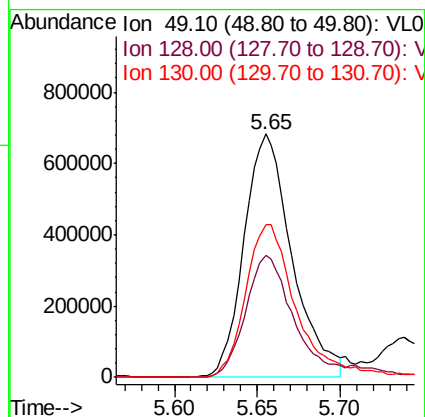
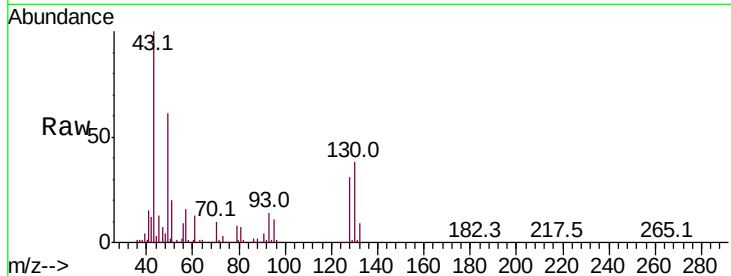
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5664082	9.967	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	930946	11.553	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1260781	11.380	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1326179	9.389	ppbv	98
48) Dibromochloromethane	10.28	129	2017874	10.090	ppbv	98
49) Bromoform	13.02	173	1518007	9.603	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2163679	10.832	ppbv	100
51) 2-Hexanone	10.12	43	947689	11.257	ppbv	99
52) Tetrachloroethene	11.20	164	1170017	9.231	ppbv	96
53) Toluene	9.79	91	3789006	10.578	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1824500	10.015	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1367111	7.449	ppbv #	60
57) Chlorobenzene	12.13	112	2728712	7.521	ppbv	99
58) Ethyl Benzene	12.69	91	4650337	8.366	ppbv	98
59) m/p-Xylene	12.97	91	4063724	8.225	ppbv #	36
60) o-Xylene	13.67	91	3629826	7.792	ppbv	100
61) Styrene	13.51	104	1970069	9.209	ppbv	99
62) Isopropylbenzene	14.65	105	4957426	7.516	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2514629	6.272	ppbv	98
64) n-propylbenzene	15.55	120	1329735	7.868	ppbv	98
65) tert-Butylbenzene	16.73	119	4319386	7.410	ppbv	99
66) Benzyl Chloride	16.97	91	212923	6.990	ppbv	96
67) sec-Butylbenzene	17.27	105	5995135	7.465	ppbv	100
69) p-Isopropyltoluene	17.63	119	5015102	7.785	ppbv	100
70) n-Butylbenzene	18.53	91	4939555	8.345	ppbv	100
71) 2-Chlorotoluene	15.43	91	3583460	7.754	ppbv	99
72) 4-Ethyltoluene	15.82	105	4185447	7.843	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	3825206	7.654	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	3981978	7.606	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	2460466	7.548	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2343947	7.431	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2391707	7.814	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2097197	8.005	ppbv	99
79) Naphthalene	22.17	128	3825618	12.682	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	806944	13.742	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2100961	10.700	ppbv	98

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



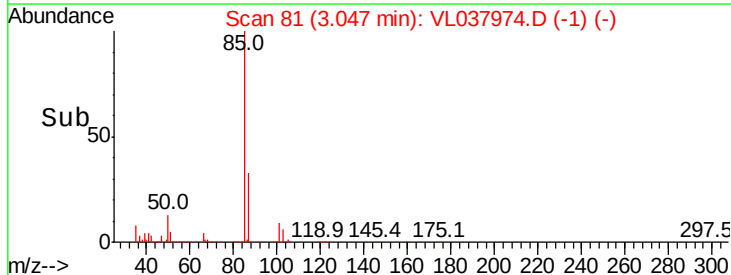
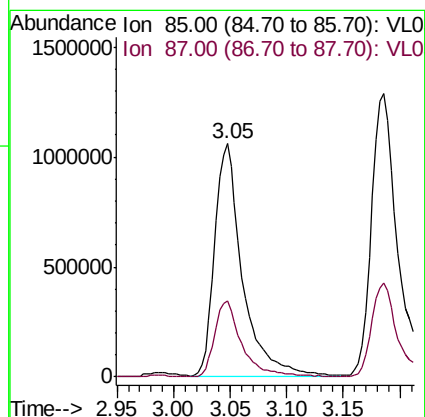
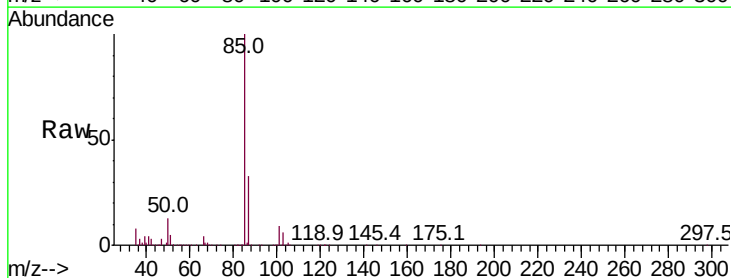
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1102ABS02
 Acq: 2 Nov 2021 19:30

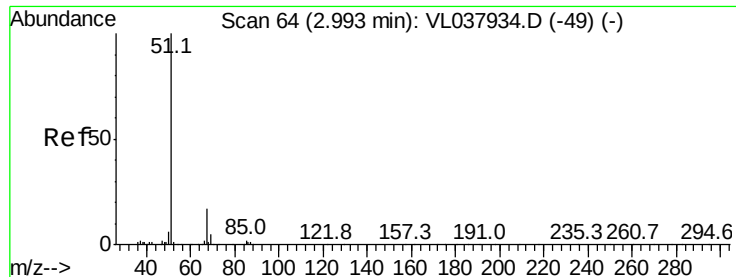
Tot Ion: 49 Resp: 1374619
 Ion Ratio Lower Upper
 49 100
 128 54.7 27.0 81.0
 130 67.6 33.4 100.2



#2
 Dichlorodifluoromethane
 Concen: 9.270 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

Tgt Ion: 85 Resp: 1795343
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.3 37.9





#3

Chlorodifluoromethane

Concen: 9.637 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1102ABS02

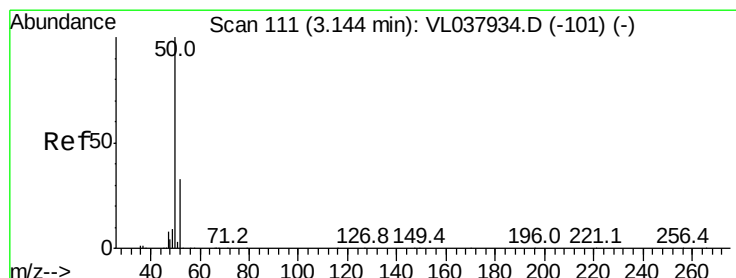
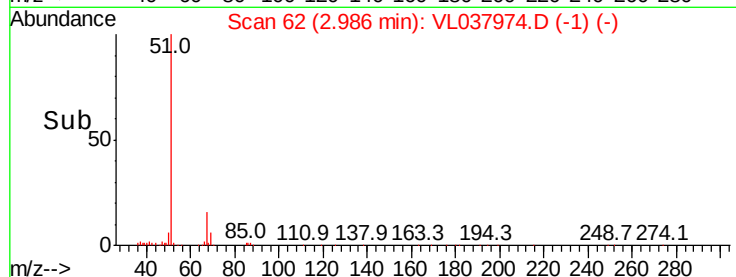
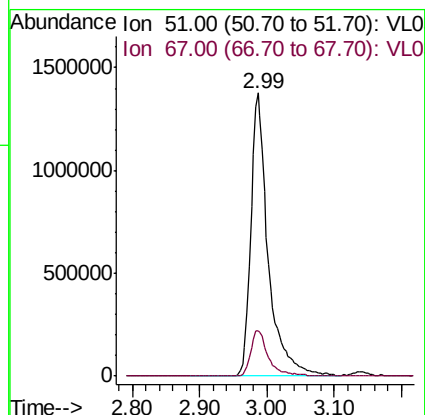
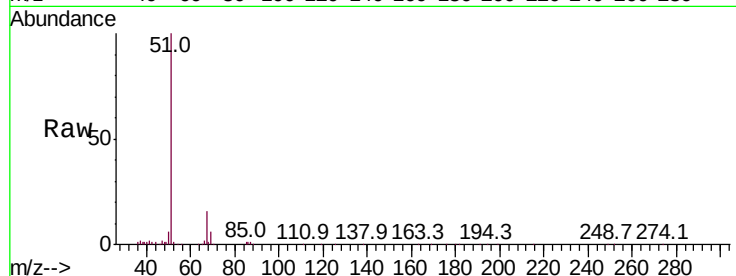
Acq: 2 Nov 2021 19:30

Tot Ion: 51 Resp: 2466018

Ion Ratio Lower Upper

51 100

67 16.5 13.4 20.0



#4

Chloromethane

Concen: 9.590 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037974.D

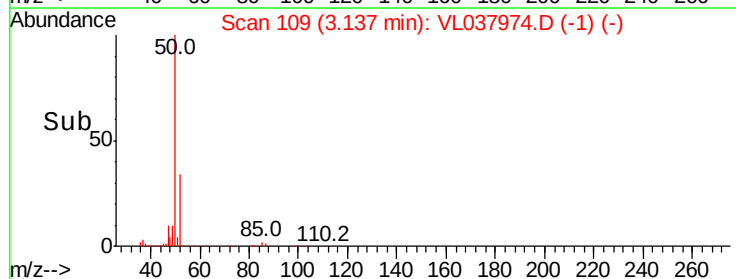
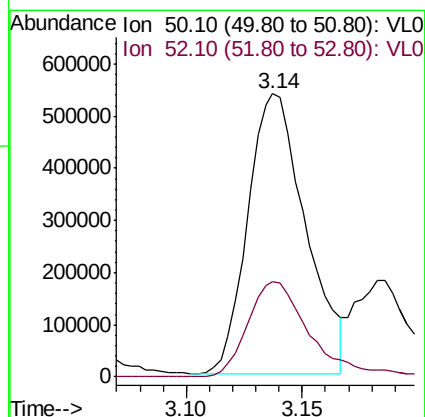
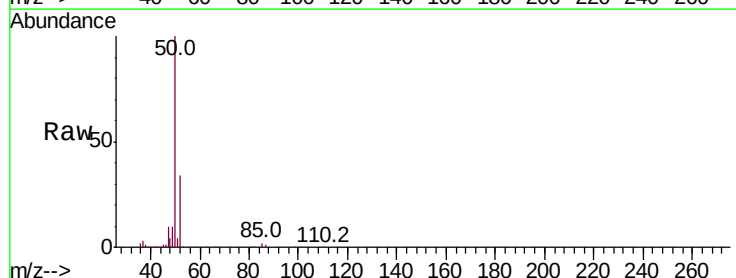
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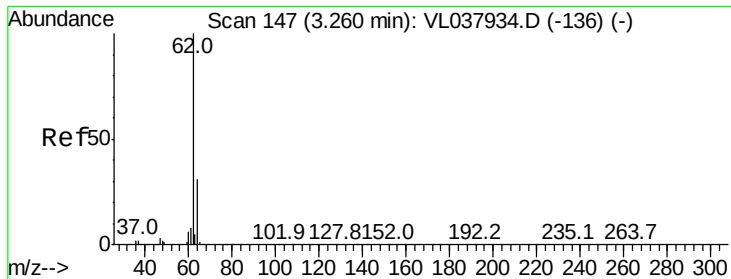
Tgt Ion: 50 Resp: 932654

Ion Ratio Lower Upper

50 100

52 34.1 26.3 39.5





#5

Vinyl Chloride

Concen: 10.018 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

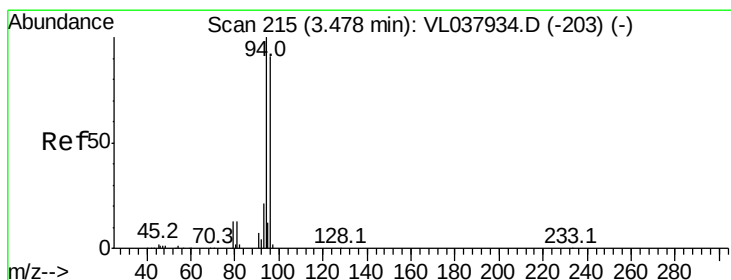
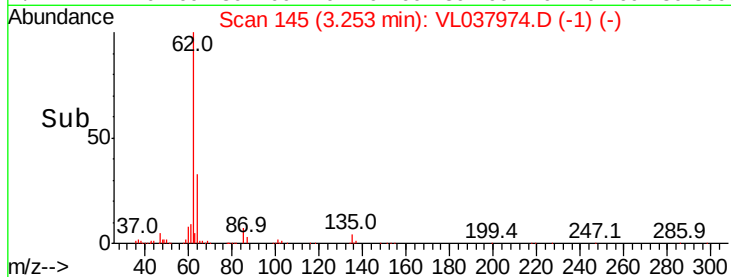
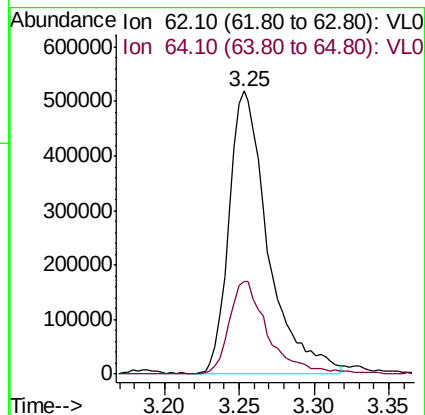
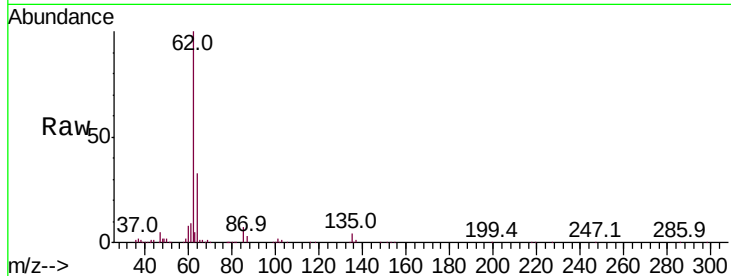
Acq: 2 Nov 2021 19:30

Tot Ion: 62 Resp: 938973

Ion Ratio Lower Upper

62 100

64 32.8 24.7 37.1



#6

Bromomethane

Concen: 10.314 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037974.D

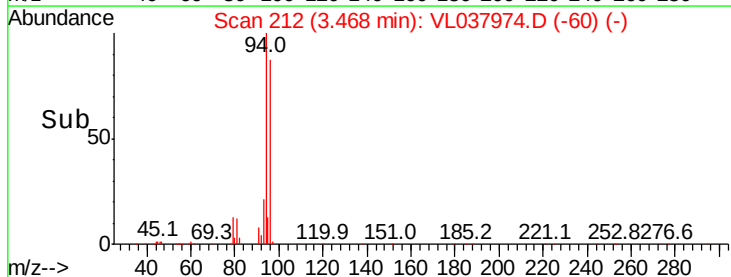
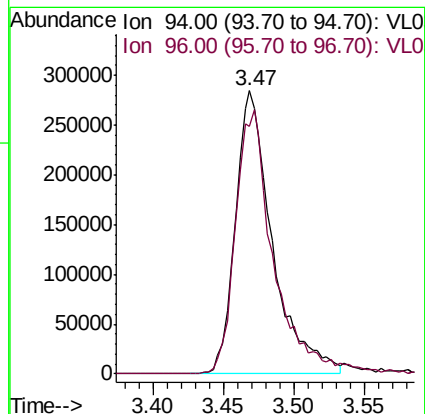
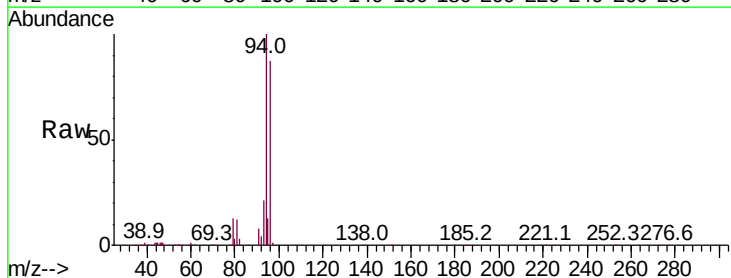
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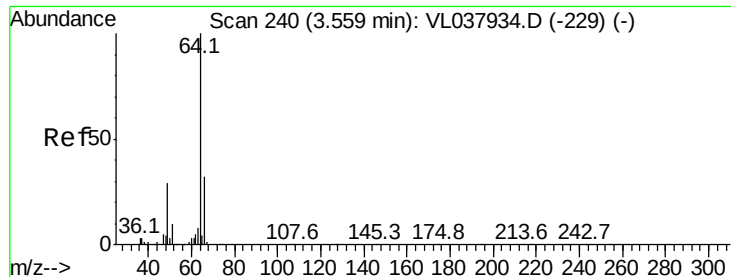
Tgt Ion: 94 Resp: 522233

Ion Ratio Lower Upper

94 100

96 87.2 73.0 109.4





#7

Chloroethane

Concen: 9.660 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1102ABS02

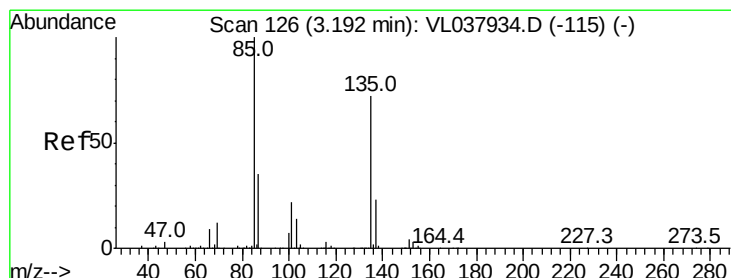
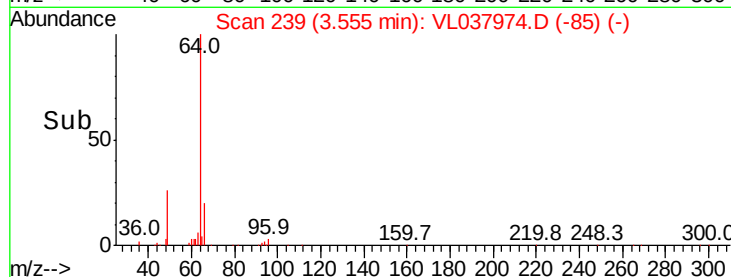
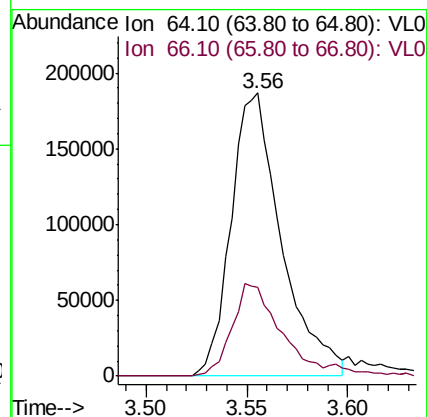
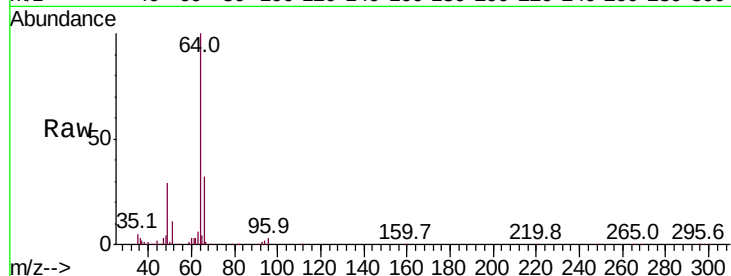
Acq: 2 Nov 2021 19:30

Tot Ion: 64 Resp: 326846

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 9.565 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL037974.D

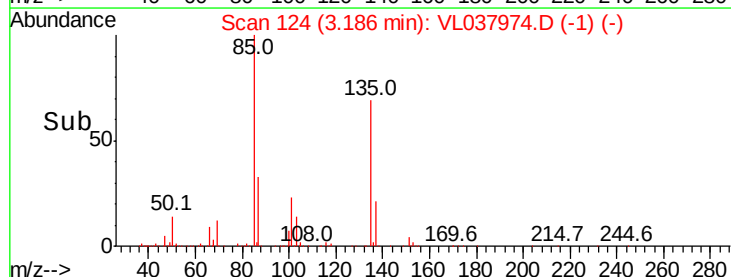
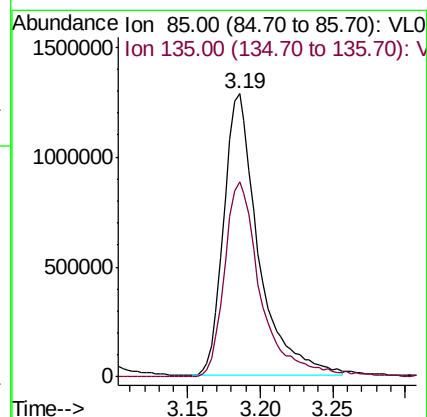
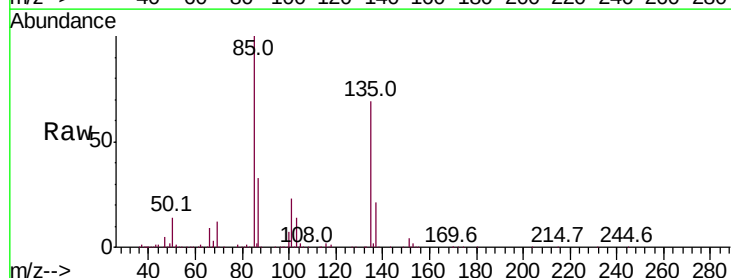
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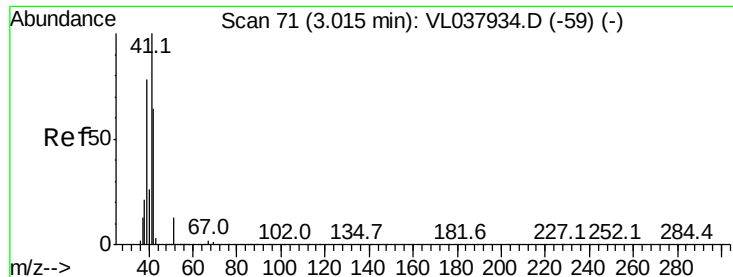
Tgt Ion: 85 Resp: 2133867

Ion Ratio Lower Upper

85 100

135 73.3 58.8 88.2





#9

Propene

Concen: 9.714 ppbv

RT: 3.01

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

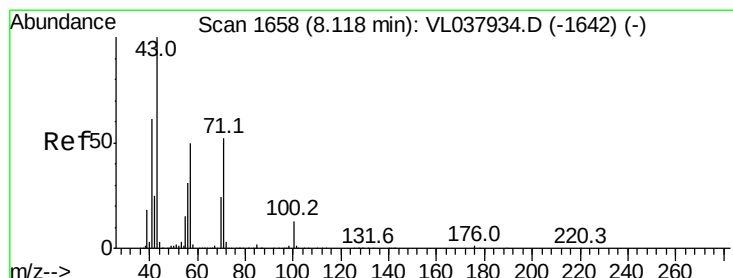
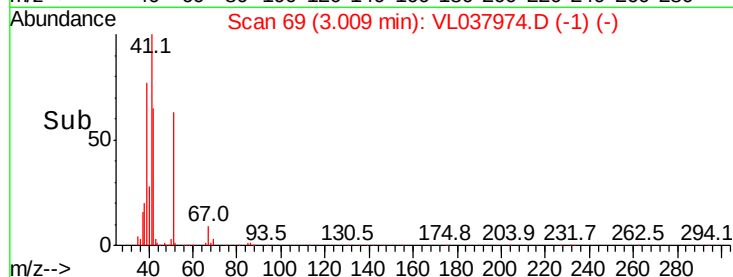
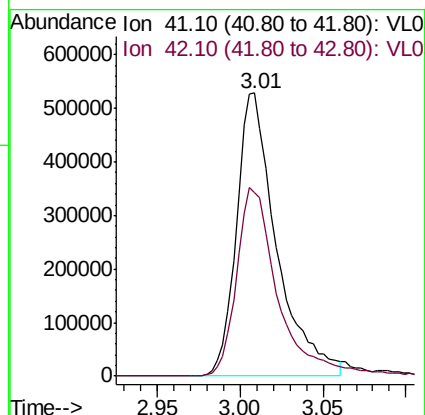
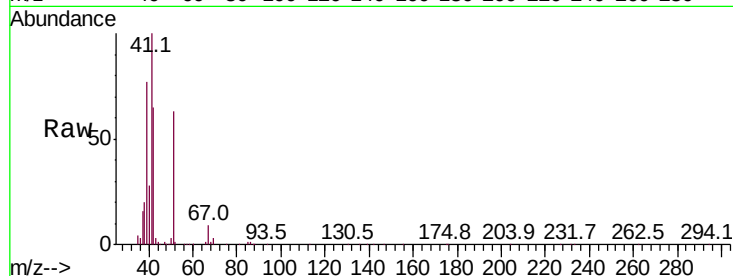
Acq: 2 Nov 2021 19:36

Tot Ion: 41 Resp: 891215

Ion Ratio Lower Upper

41 100

42 69.3 57.6 86.4



#10

Heptane

Concen: 10.370 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL037974.D

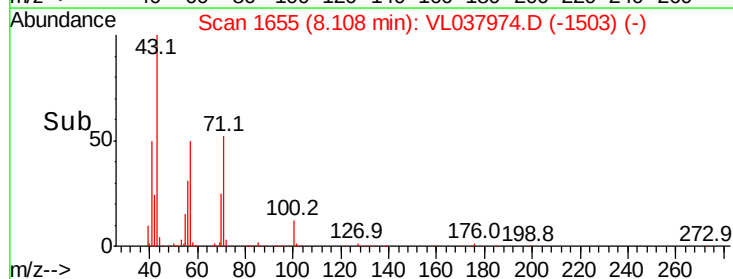
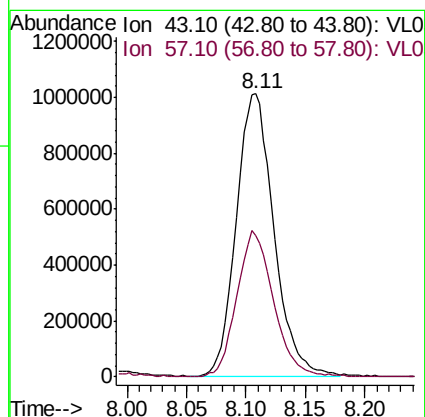
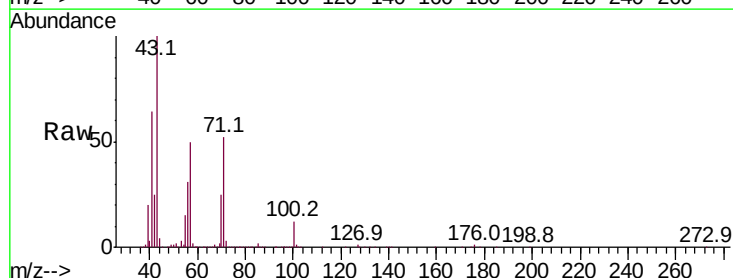
Acq: 2 Nov 2021 19:36

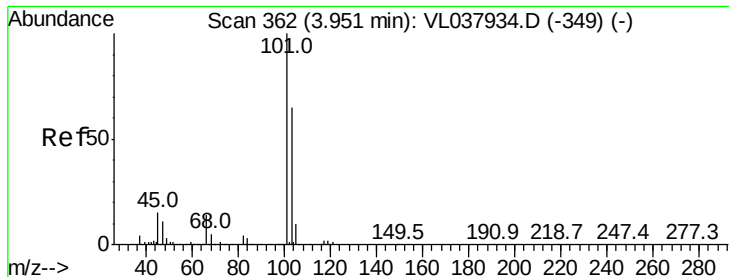
Tgt Ion: 43 Resp: 2213597

Ion Ratio Lower Upper

43 100

57 50.7 39.8 59.8





#11

Trichlorofluoromethane

Concen: 9.947 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

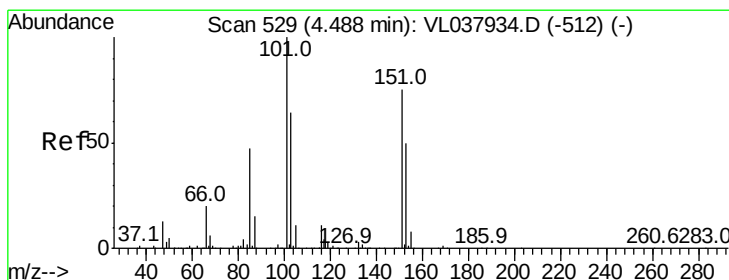
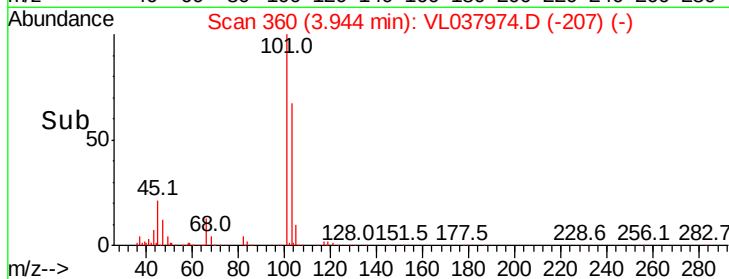
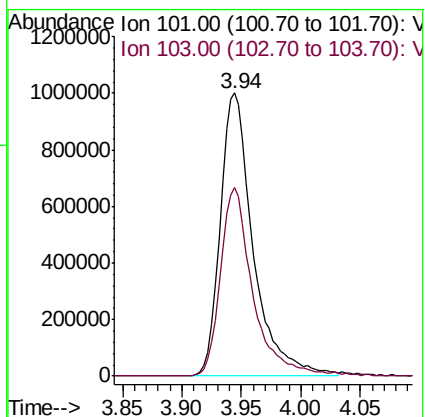
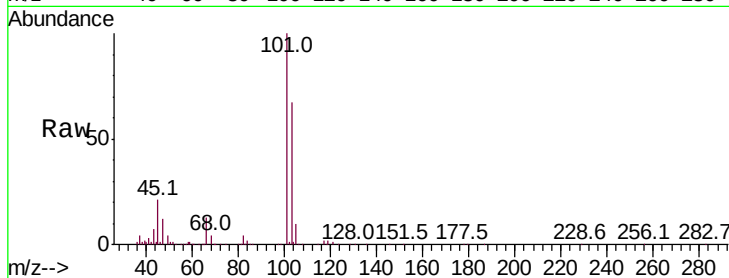
Acq: 2 Nov 2021 19:30 VL1102ABS02

Tot Ion:101 Resp: 1918343

Ion Ratio Lower Upper

101 100

103 66.7 52.0 78.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.786 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL037974.D

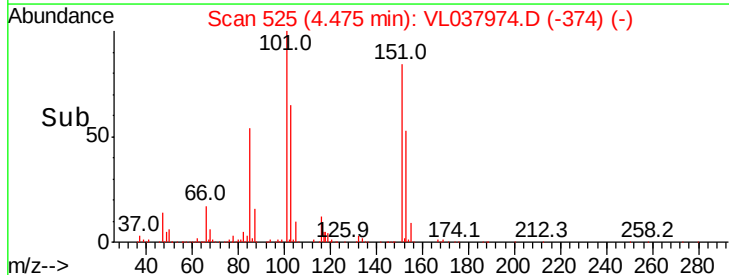
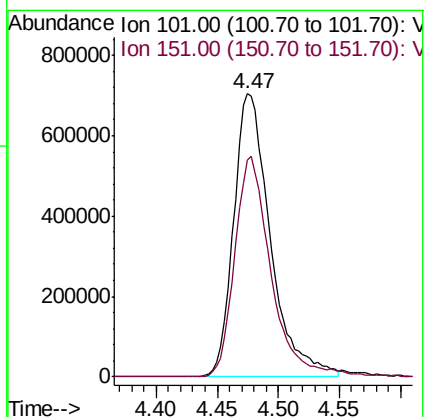
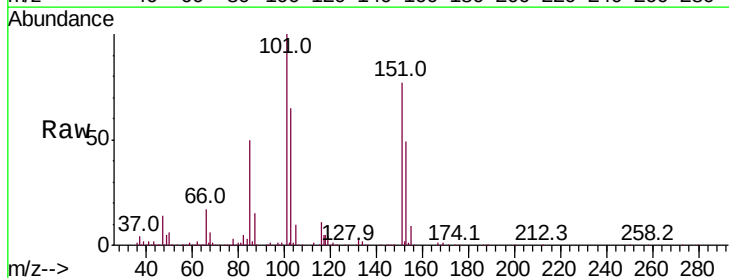
Acq: 2 Nov 2021 19:36

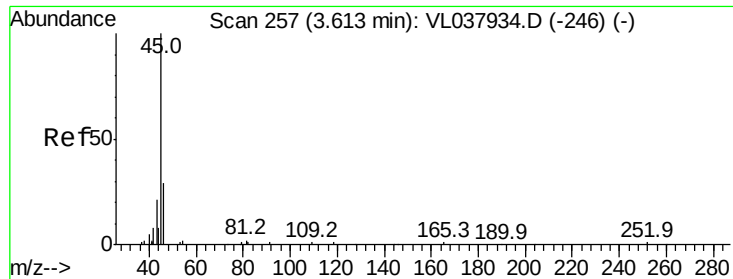
Tgt Ion:101 Resp: 1471113

Ion Ratio Lower Upper

101 100

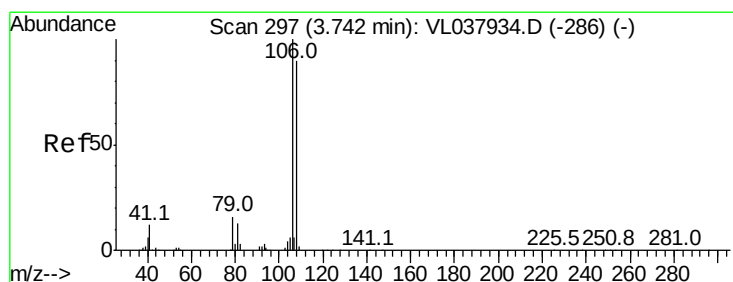
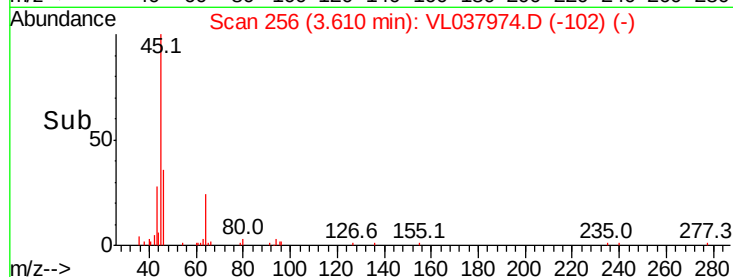
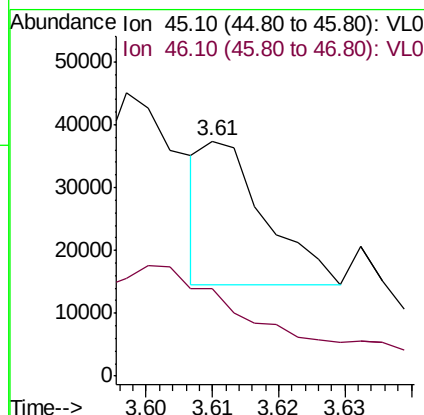
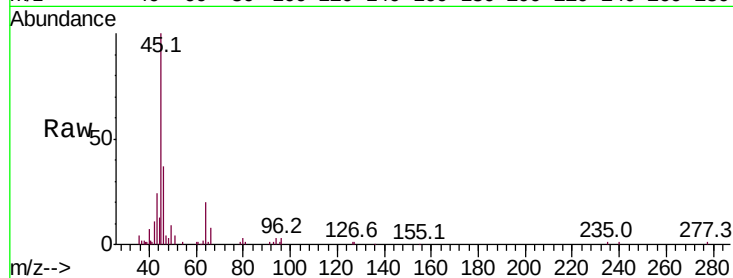
151 77.6 61.8 92.8





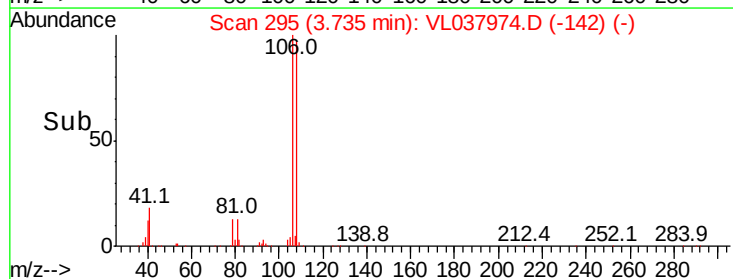
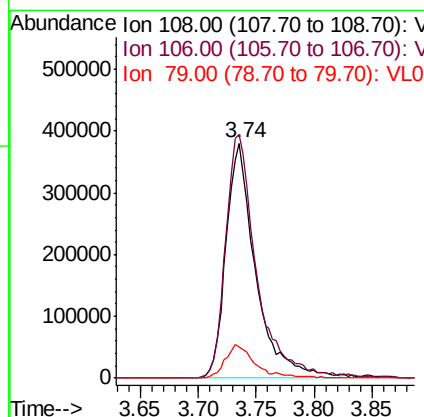
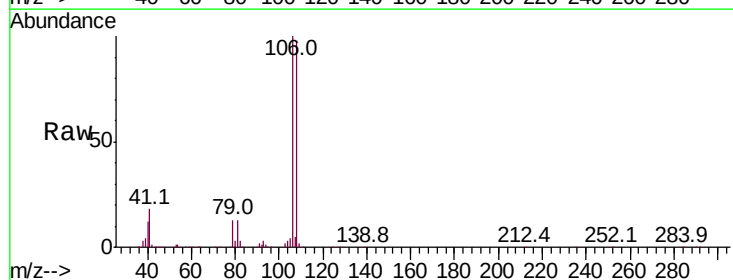
#13
 Ethanol
 Concen: 1.571 ppbv
 RT: 3.61
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId:
 VL1102ABS02
 Acq: 2 Nov 2021 19:30

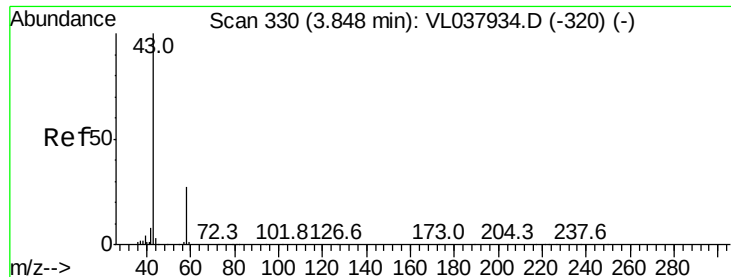
Tot Ion: 45 Resp: 14545
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.4 69.8#



#14
 Bromoethene
 Concen: 10.223 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

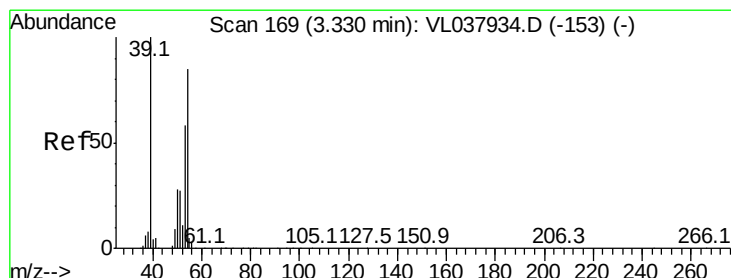
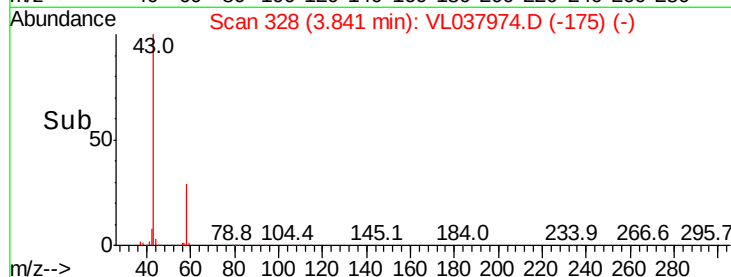
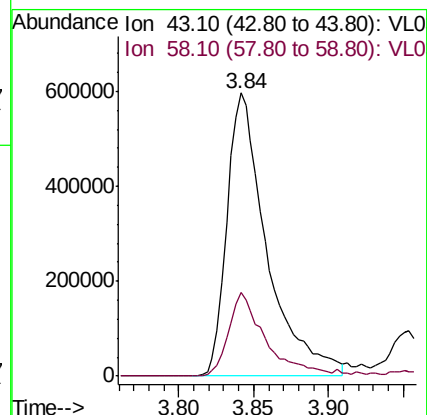
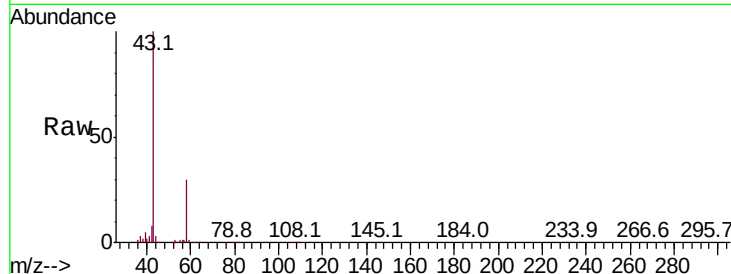
Tgt Ion:108 Resp: 672320
 Ion Ratio Lower Upper
 108 100
 106 109.6 88.4 132.6
 79 14.9 12.4 18.6





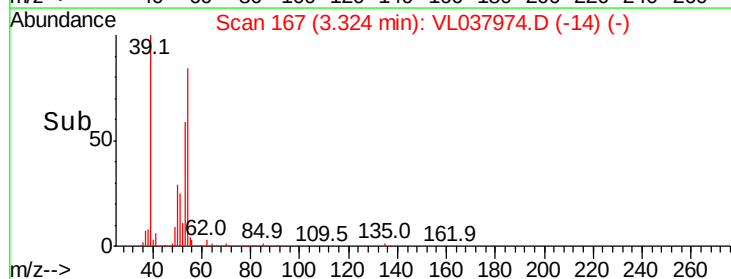
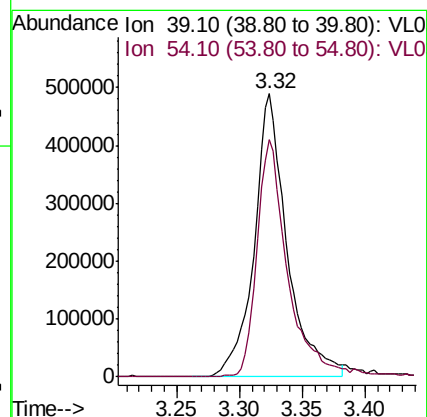
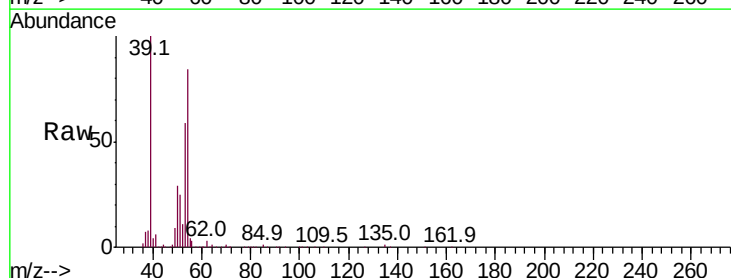
#15
Acetone
Concen: 9.722 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1102ABS02
Acq: 2 Nov 2021 19:36

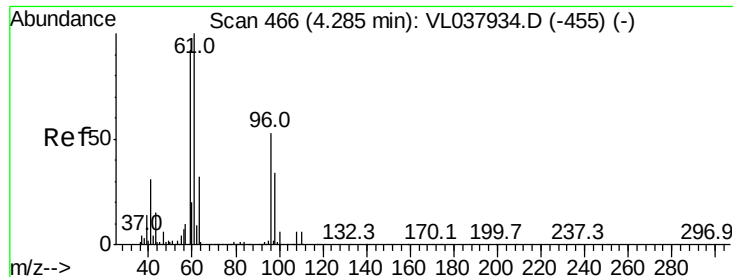
Tot Ion: 43 Resp: 1104270
Ion Ratio Lower Upper
43 100
58 28.4 23.3 34.9



#16
1,3-Butadiene
Concen: 10.002 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037974.D
Acq: 2 Nov 2021 19:36

Tgt Ion: 39 Resp: 895225
Ion Ratio Lower Upper
39 100
54 79.8 62.6 93.8





#17

tert-Butyl alcohol

Concen: 10.487 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

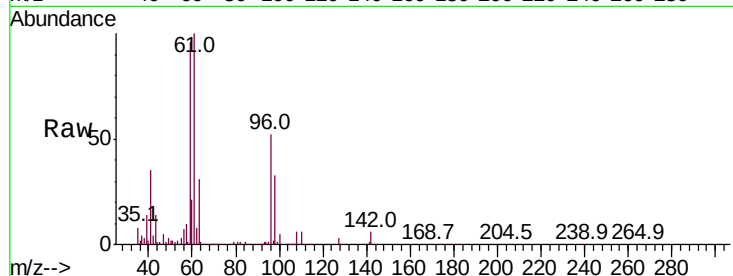
Acq: 2 Nov 2021 19:30

Tot Ion: 59 Resp: 1238586

Ion Ratio Lower Upper

59 100

57 10.6 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

600000

500000

400000

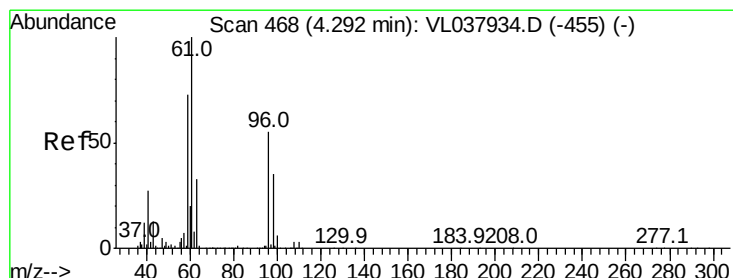
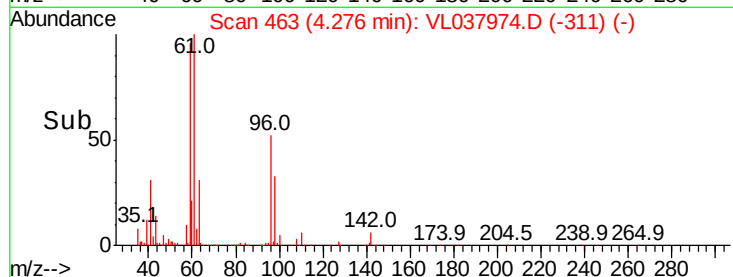
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 9.788 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

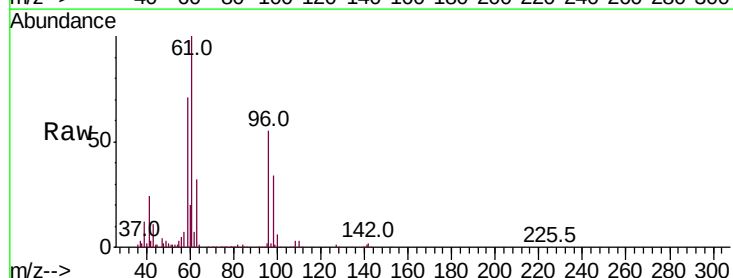
Tgt Ion: 96 Resp: 677240

Ion Ratio Lower Upper

96 100

61 181.5 144.3 216.5

98 61.7 50.5 75.7



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

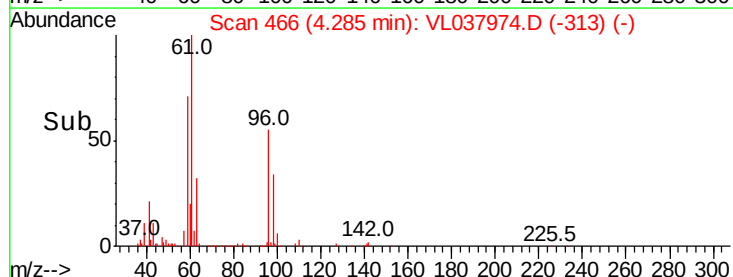
600000

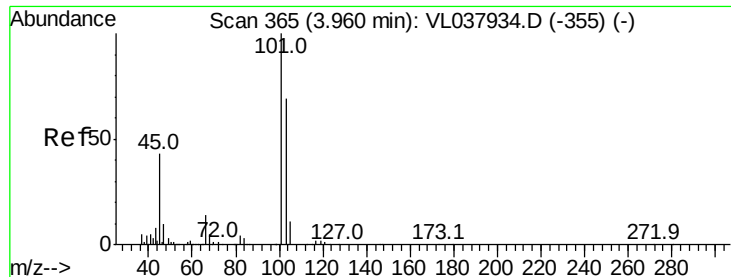
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 10.423 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

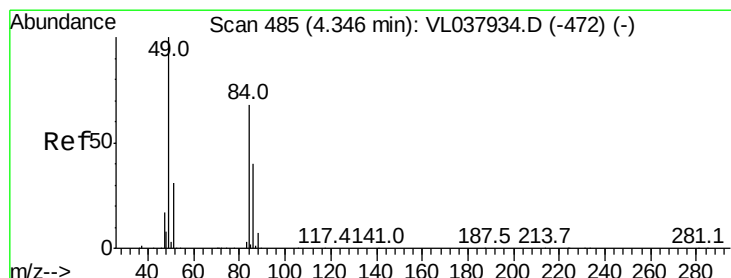
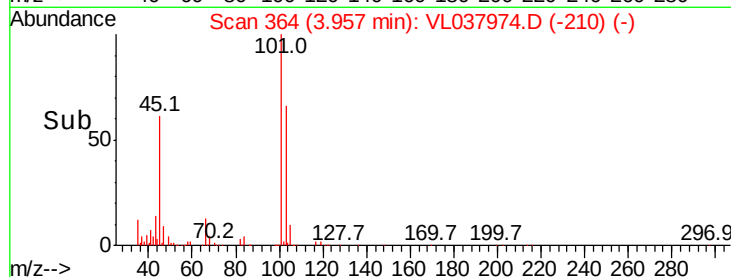
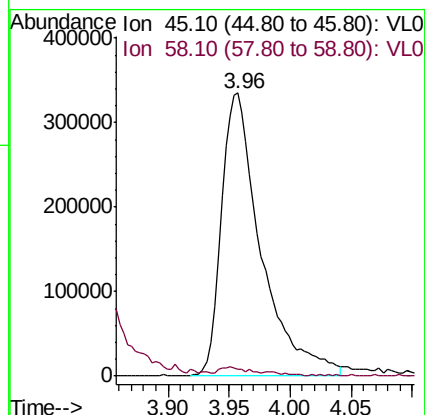
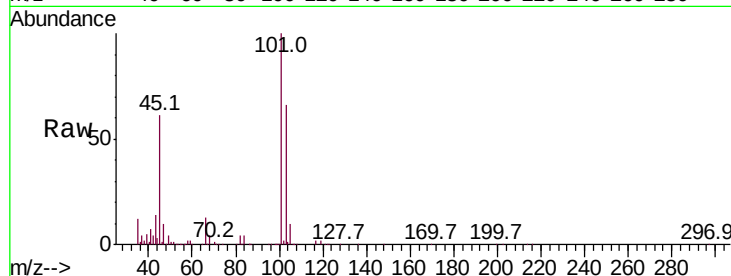
Acq: 2 Nov 2021 19:30 VL1102ABS02

Tot Ion: 45 Resp: 757080

Ion Ratio Lower Upper

45 100

58 3.0 4.0 6.0#



#20

Methylene Chloride

Concen: 9.225 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion: 84 Resp: 575291

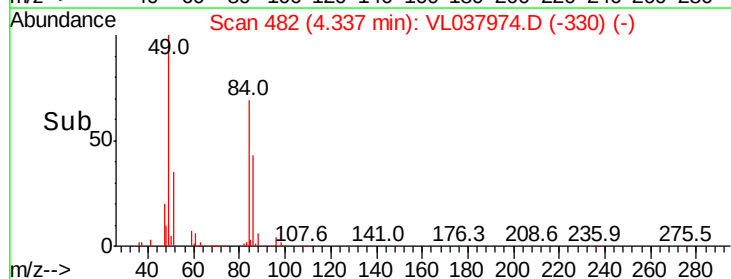
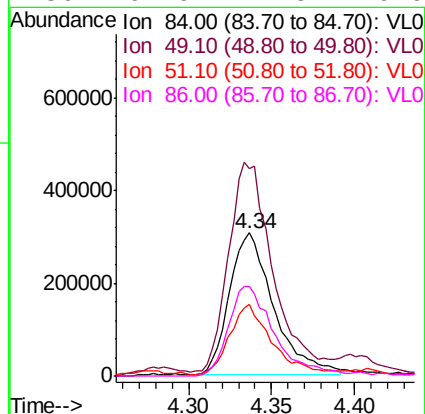
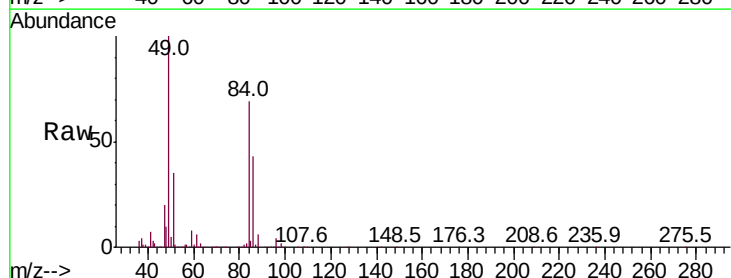
Ion Ratio Lower Upper

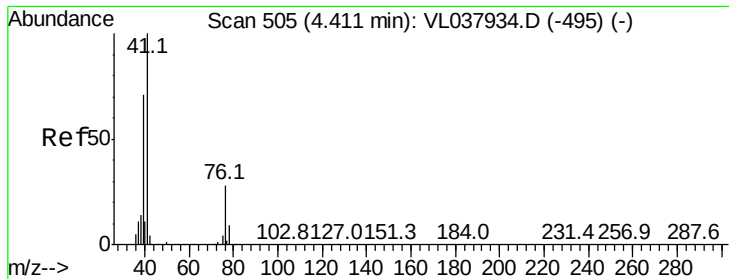
84 100

49 143.4 117.5 176.3

51 49.3 35.9 53.9

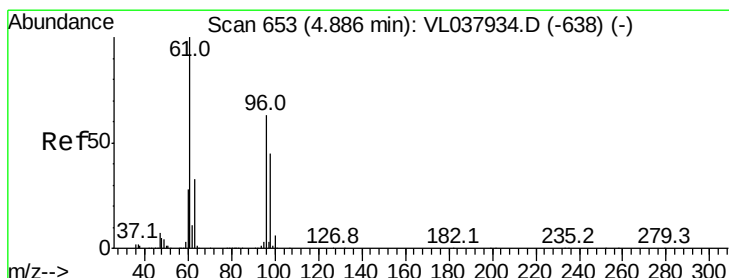
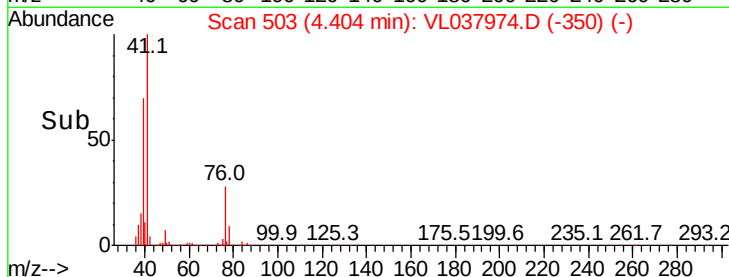
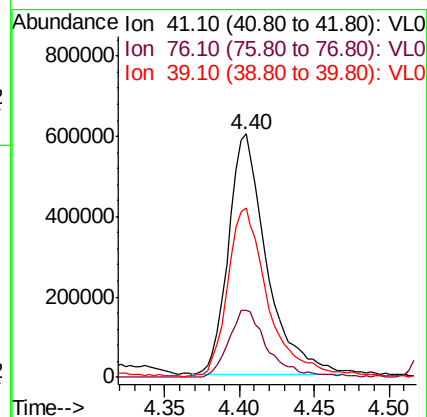
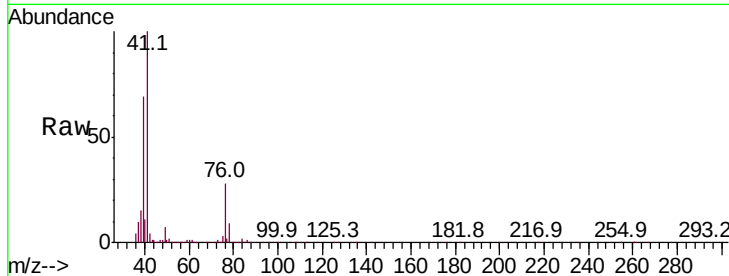
86 62.9 47.3 70.9





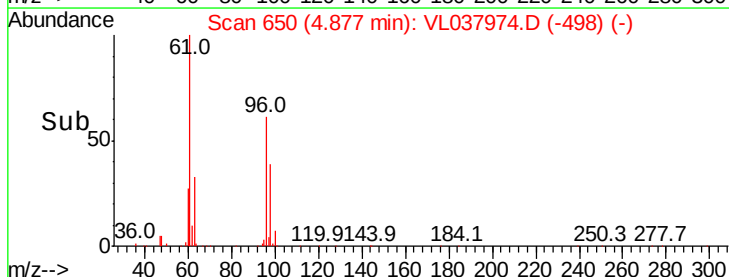
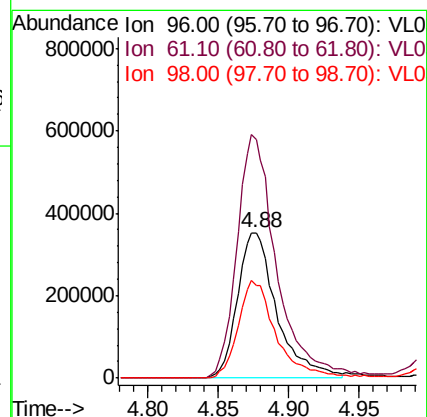
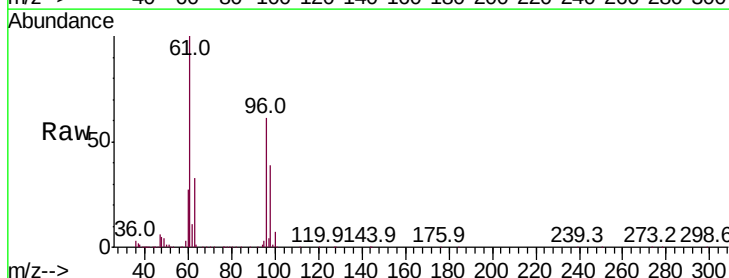
#21
 Allvl Chloride
 Concen: 10.148 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1102ABS02
 Acq: 2 Nov 2021 19:30

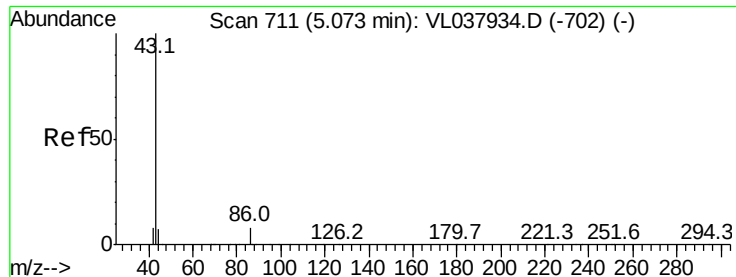
Tot Ion: 41 Resp: 1063610
 Ion Ratio Lower Upper
 41 100
 76 29.0 23.6 35.4
 39 74.2 59.7 89.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.043 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. -0.01 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

Tgt Ion: 96 Resp: 690507
 Ion Ratio Lower Upper
 96 100
 61 164.1 127.8 191.6
 98 63.7 56.9 85.3





#23

Vinyl Acetate

Concen: 10.322 ppbv

RT: 5.06 Instrument: MSVOA_1

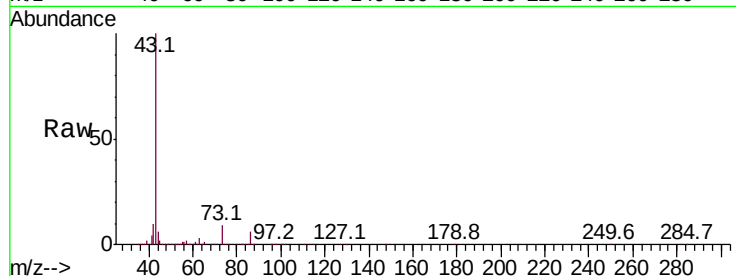
Delta R.T. ClientSampleId:

Lab File: VL1102ABS02

Acq: 2 Nov 2021 19:30

Tot Ion: 43 Resp: 1765354

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.5	8.3
42	10.0	7.4	11.2
44	5.1	4.7	7.1

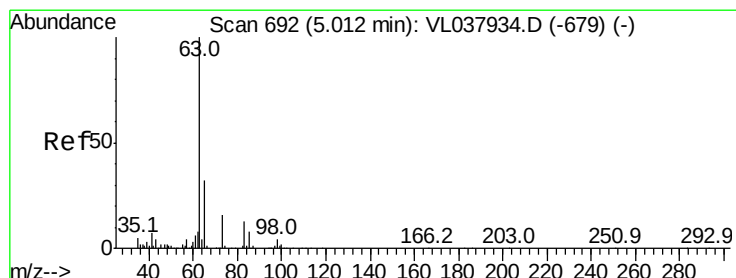
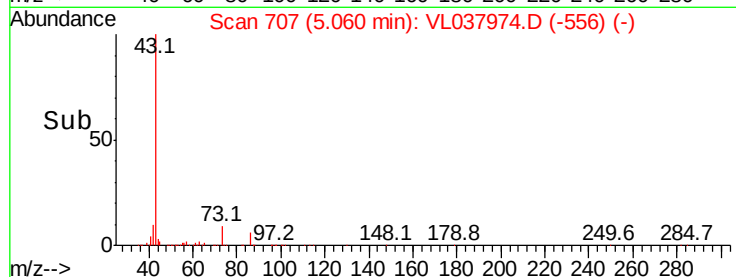
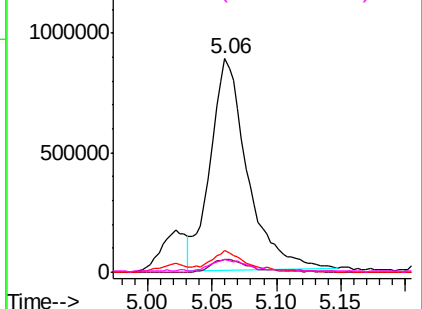


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.611 ppbv

RT: 5.00 min Scan# 689

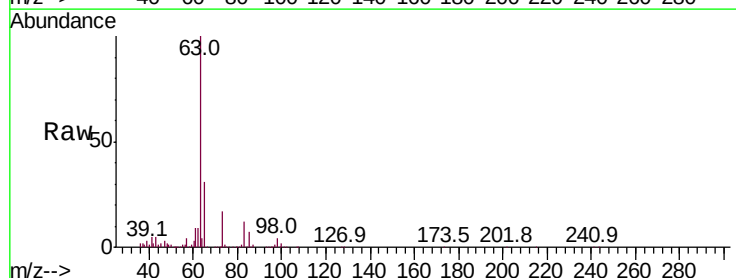
Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion: 63 Resp: 1358044

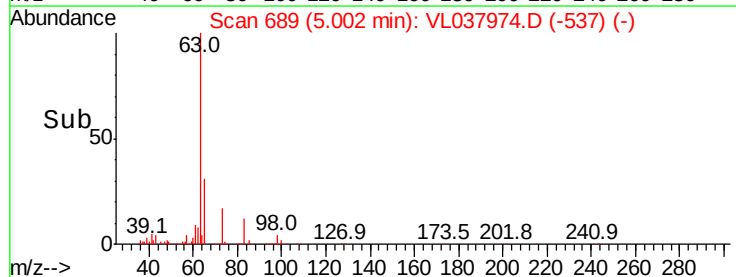
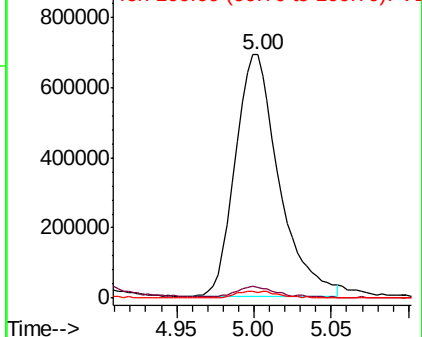
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.3	1.2	3.6

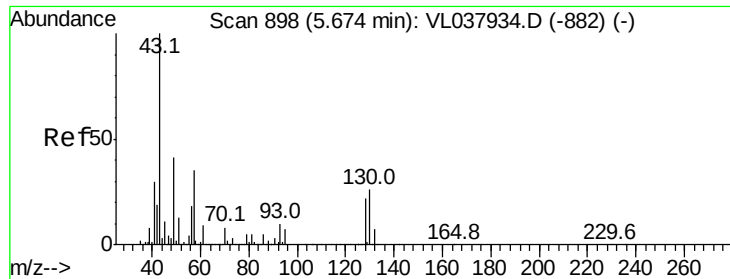


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

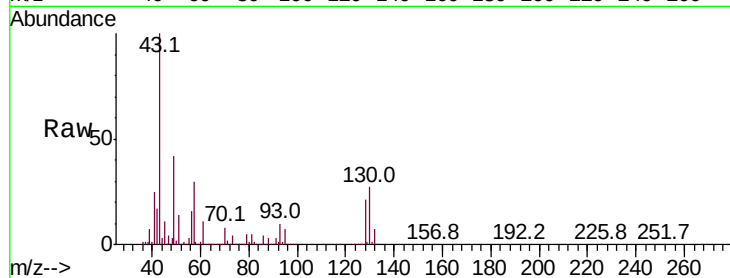




#25
Ethyl Acetate
Concen: 10.413 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1102ABS02
Acq: 2 Nov 2021 19:30

Tot Ion: 43 Resp: 3513244

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.8	8.1	12.1
70	7.2	5.8	8.6



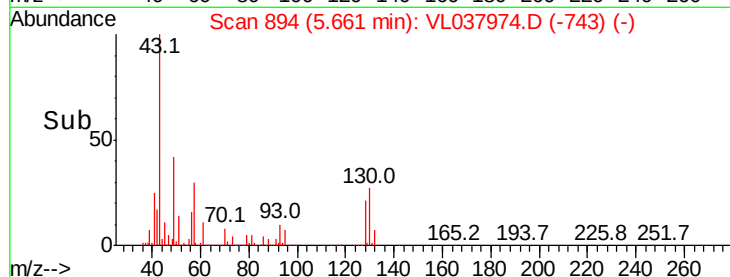
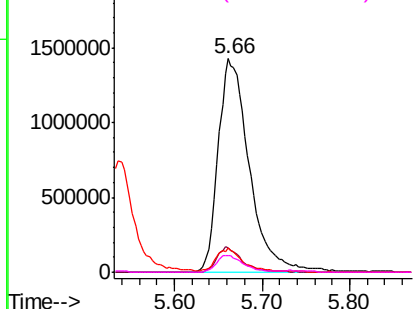
Abundance

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: 10.309 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.01 min
Lab File: VL037974.D
Acq: 2 Nov 2021 19:36

Tgt Ion: 57 Resp: 1647820

Ion	Ratio	Lower	Upper
57	100		
41	87.6	71.0	106.6
43	213.9	173.0	259.6
56	53.2	43.6	65.4

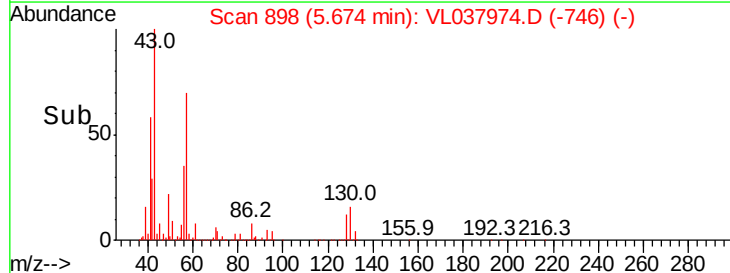
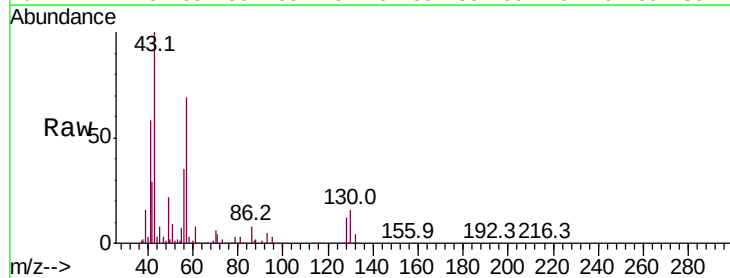
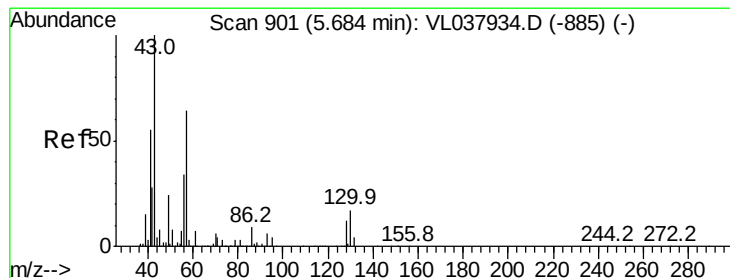
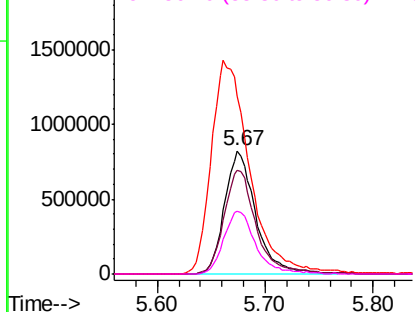
Abundance

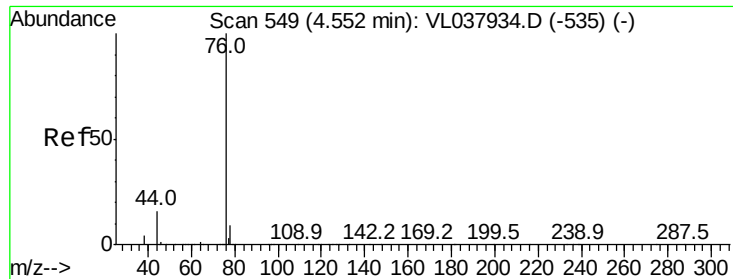
Ion 57.10 (56.80 to 57.80): VL0

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: 10.240 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30 VL1102ABS02

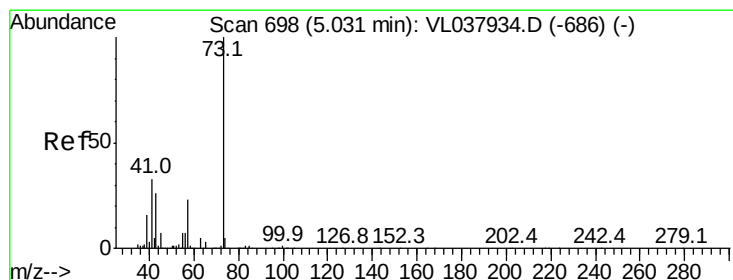
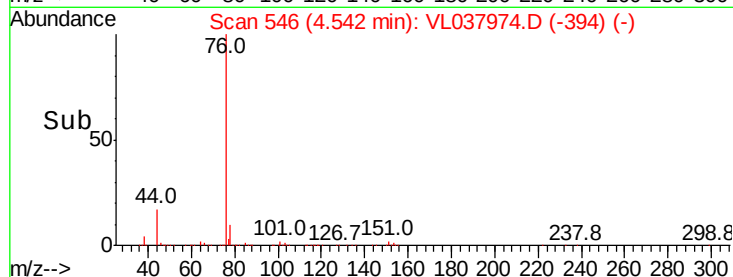
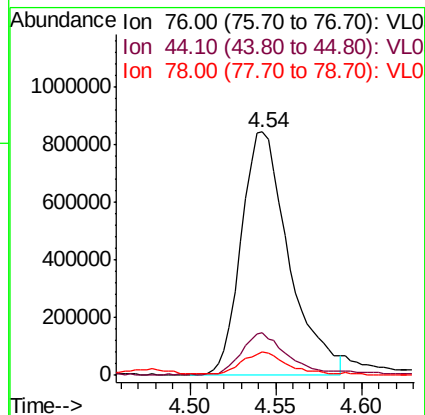
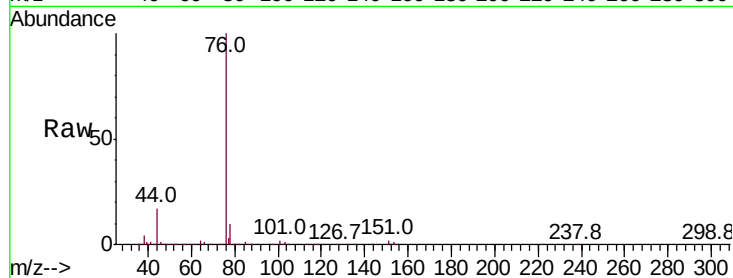
Tot Ion: 76 Resp: 1615925

Ion Ratio Lower Upper

76 100

44 18.3 13.2 19.8

78 10.1 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.936 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL037974.D

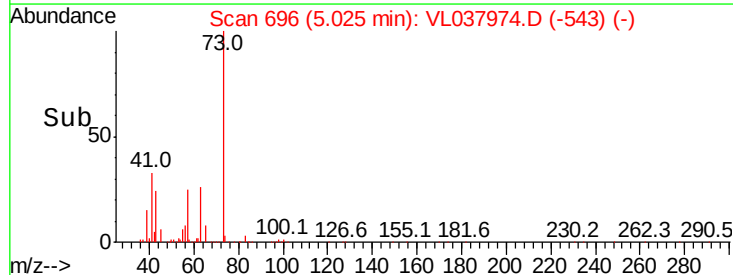
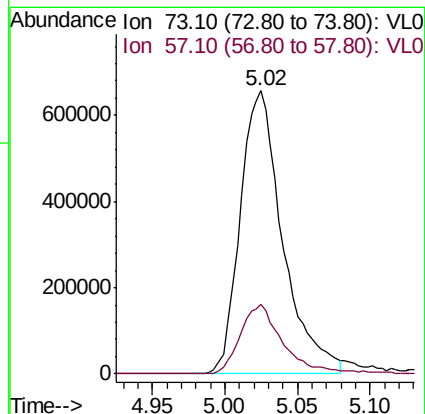
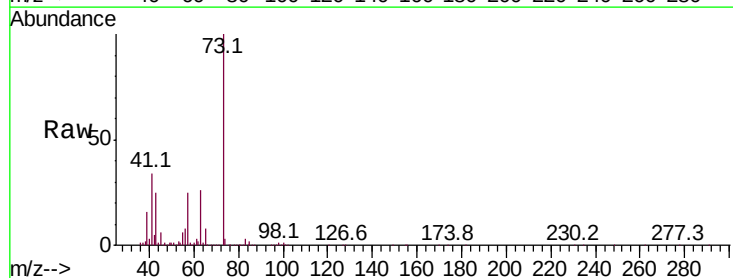
Acq: 2 Nov 2021 19:36

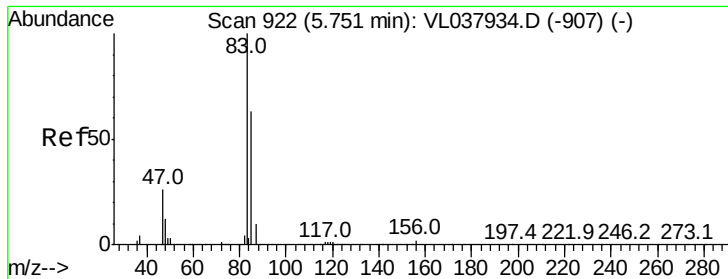
Tgt Ion: 73 Resp: 1335269

Ion Ratio Lower Upper

73 100

57 25.3 20.1 30.1





#29

Chloroform

Concen: 9.533 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

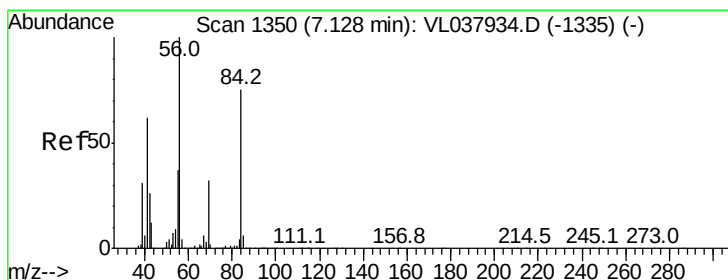
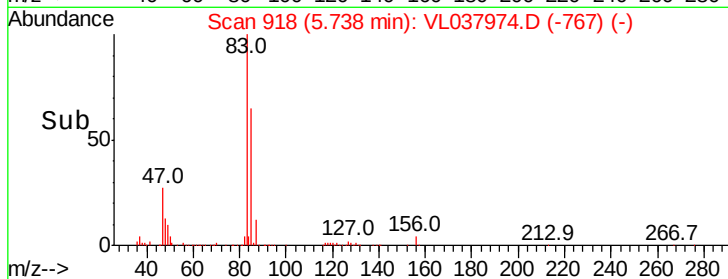
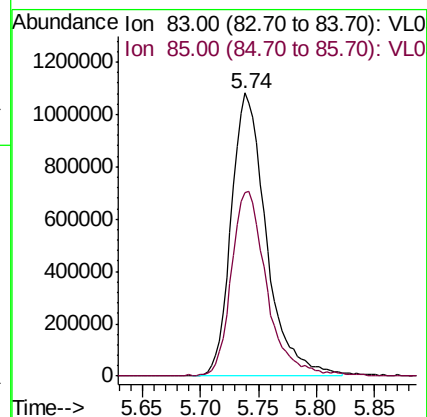
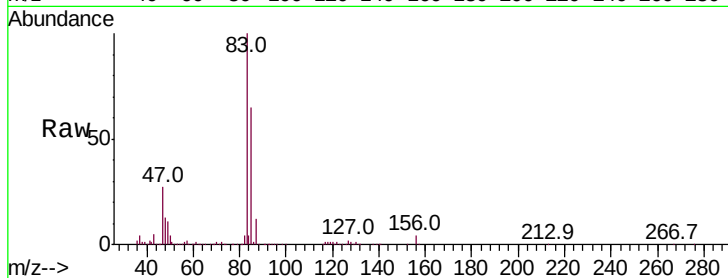
Acq: 2 Nov 2021 19:30

Tot Ion: 83 Resp: 2272487

Ion Ratio Lower Upper

83 100

85 64.7 50.6 76.0



#30

Cyclohexane

Concen: 9.830 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

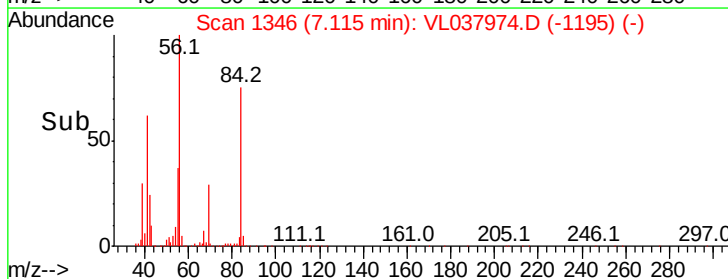
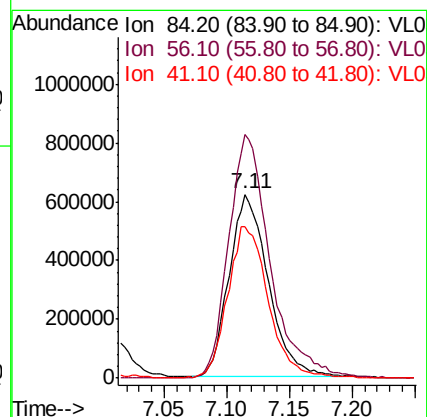
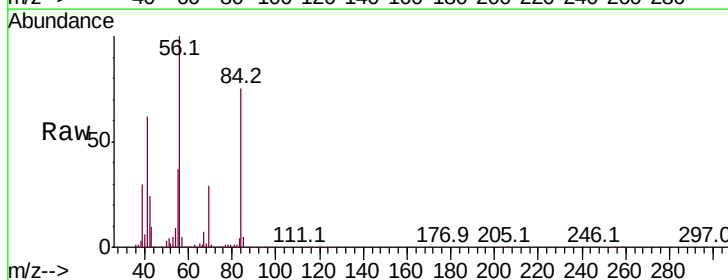
Tgt Ion: 84 Resp: 1343248

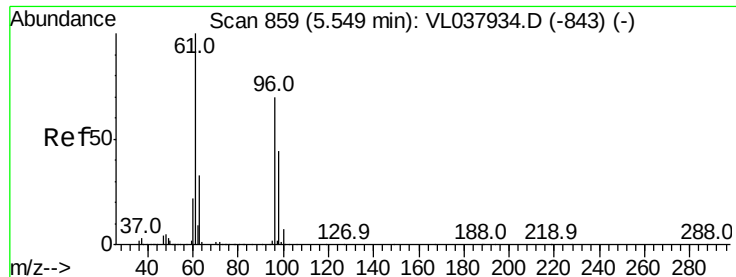
Ion Ratio Lower Upper

84 100

56 143.1 114.0 171.0

41 86.8 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 10.142 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30

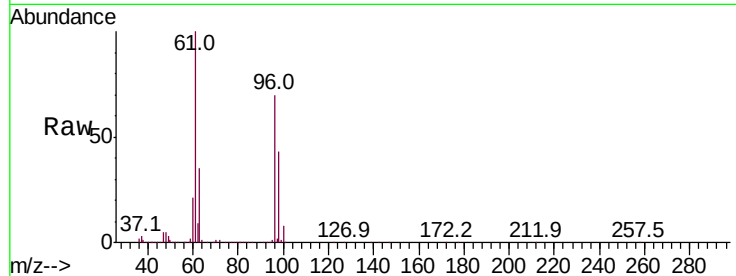
Tot Ion: 61 Resp: 1479109

Ion Ratio Lower Upper

61 100

96 70.3 55.6 83.4

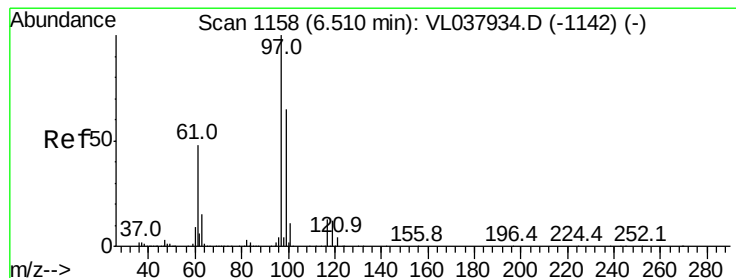
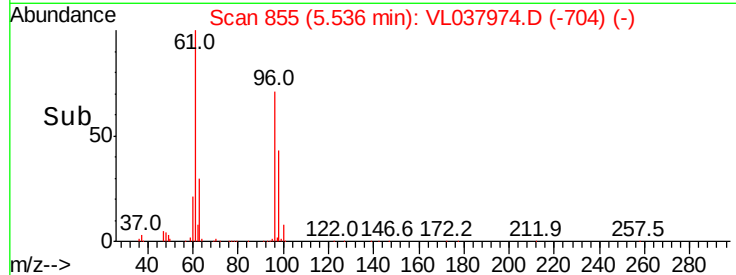
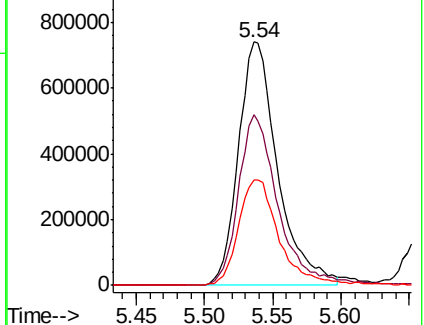
98 43.4 34.9 52.3



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.255 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

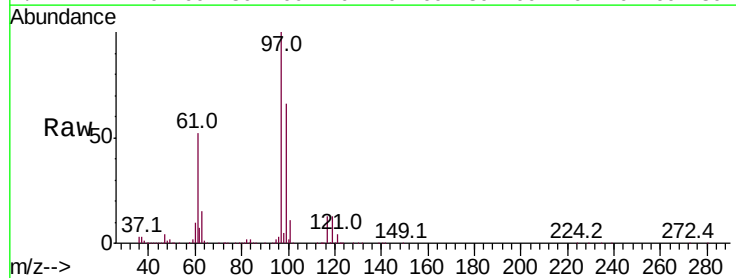
Tgt Ion: 97 Resp: 2168463

Ion Ratio Lower Upper

97 100

99 64.9 52.2 78.4

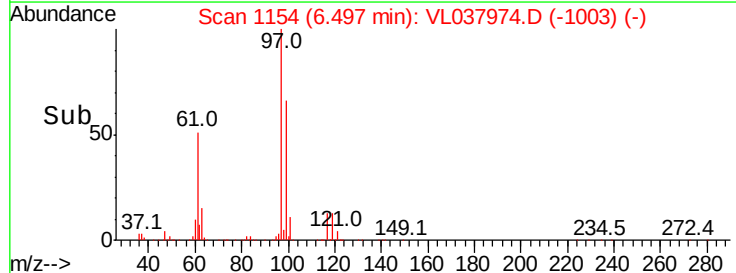
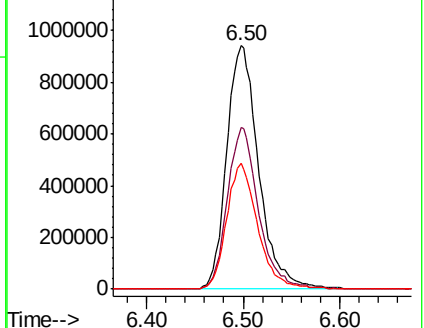
61 50.2 39.8 59.6

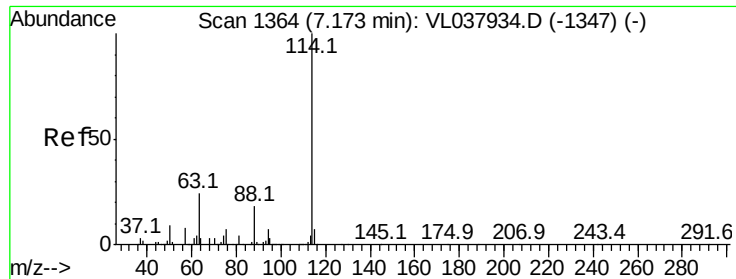


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16

Instrument: MSVOA_1

Delta R.T.

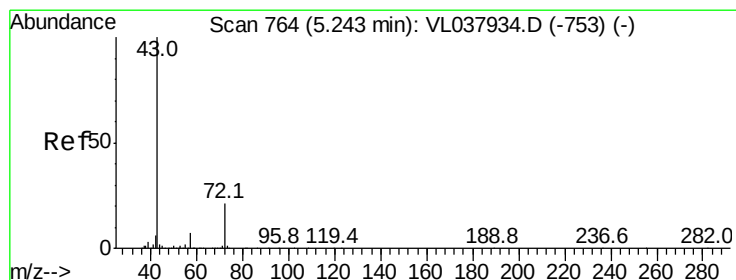
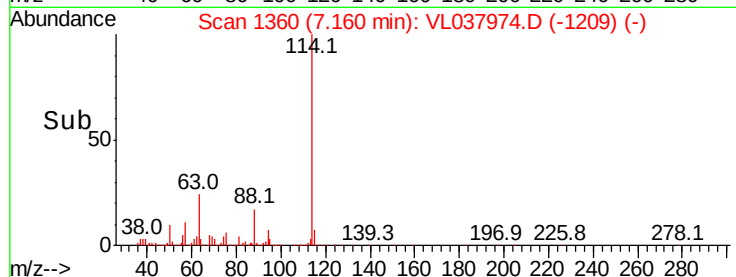
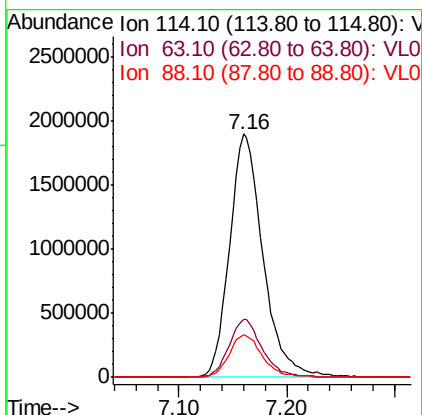
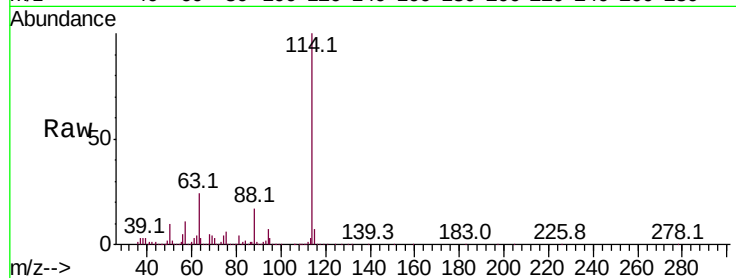
Client SampleId:

Lab File: VL1102ABS02

Acq: 2 Nov 2021 19:30

Tot Ion:114 Resp: 4102829

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.0
88	17.7	14.2	21.4



#34

2-Butanone

Concen: 10.059 ppbv

RT: 5.23 min Scan# 761

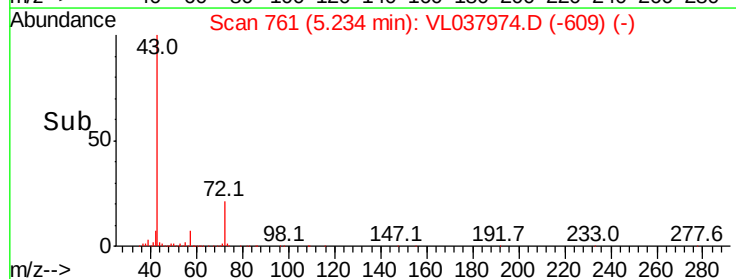
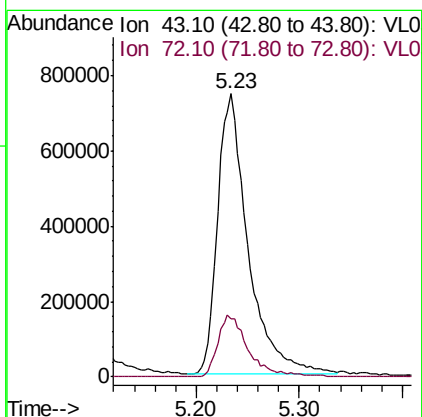
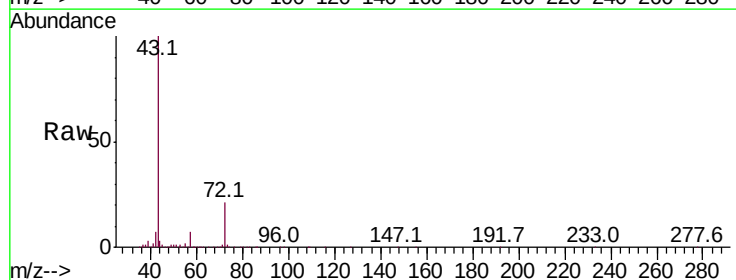
Delta R.T. -0.01 min

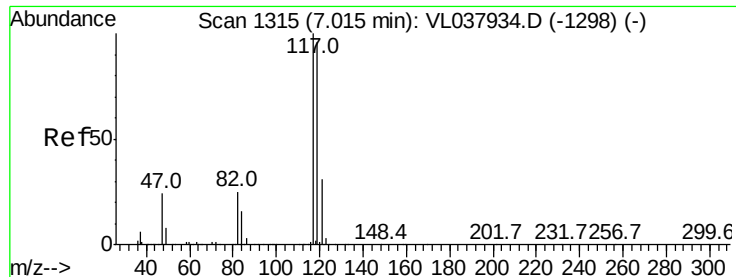
Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion: 43 Resp: 1529207

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.3	27.5





#35

Carbon Tetrachloride

Concen: 8.935 ppbv

RT: 7.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30 VL1102ABS02

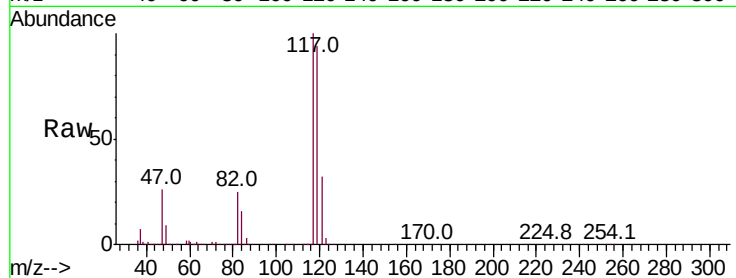
Tot Ion:117 Resp: 2216258

Ion Ratio Lower Upper

117 100

119 93.7 76.6 114.8

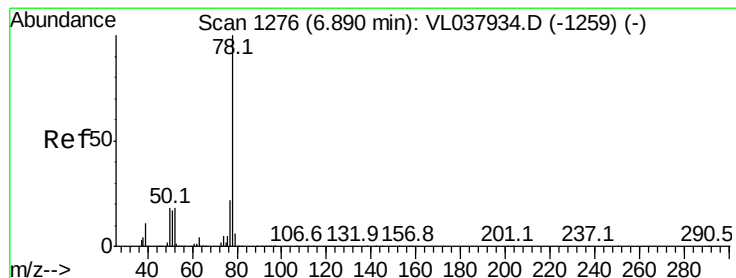
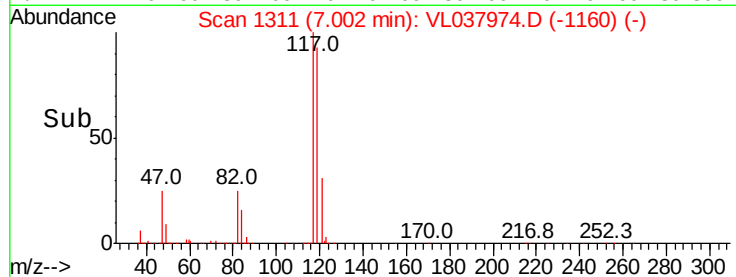
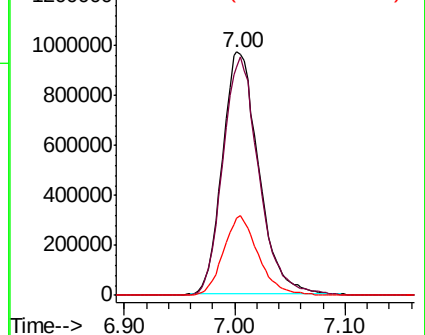
121 31.6 25.1 37.7



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: 10.053 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

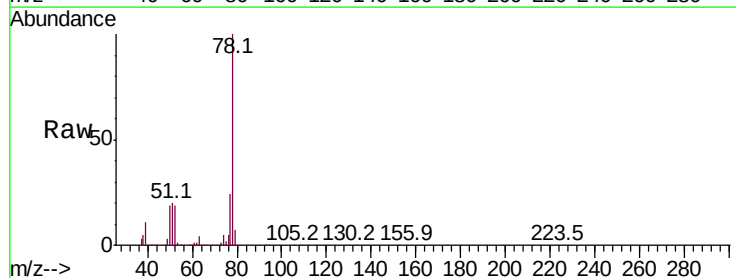
Tgt Ion: 78 Resp: 3359063

Ion Ratio Lower Upper

78 100

77 23.9 17.9 26.9

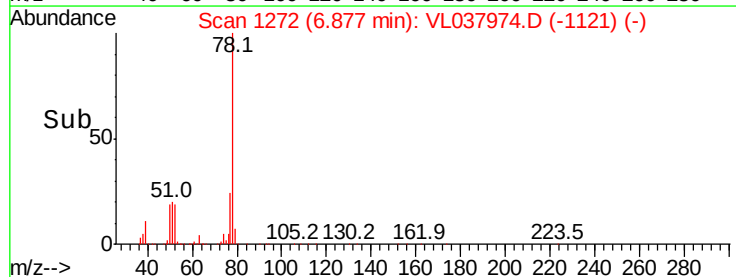
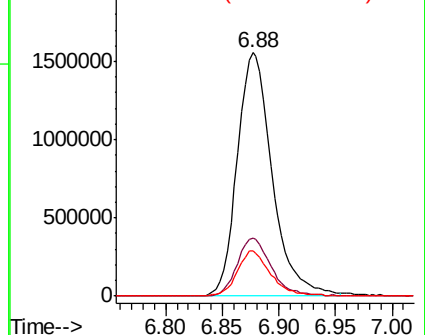
50 18.5 14.4 21.6

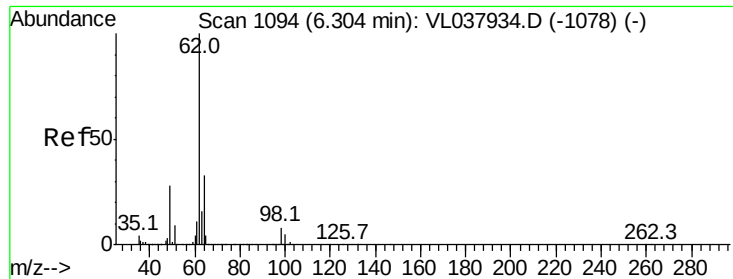


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.107 ppbv

RT: 6.29

Instrument: MSVOA_1

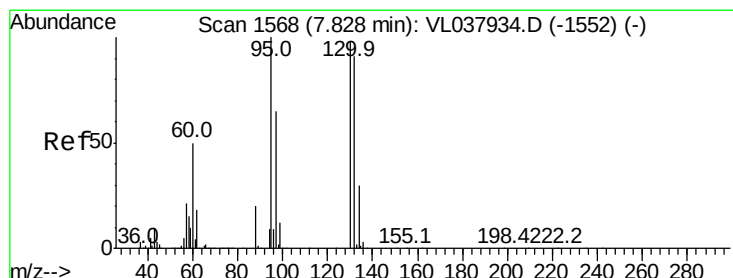
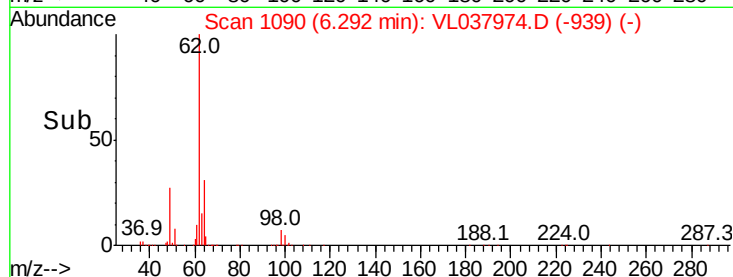
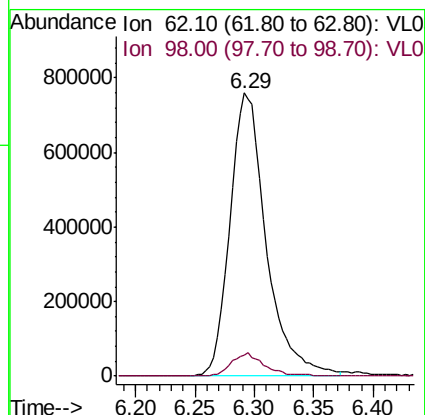
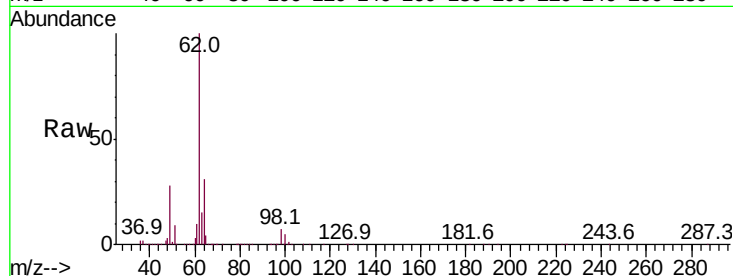
Delta R.T. ClientSampleId:

Lab File: VL1102ABS02

Acq: 2 Nov 2021 19:30

Tot Ion: 62 Resp: 1605516

Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.5	9.7



#38

Trichloroethene

Concen: 9.403 ppbv

RT: 7.82 min Scan# 1565

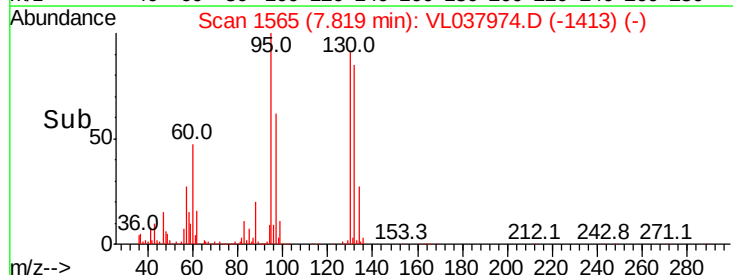
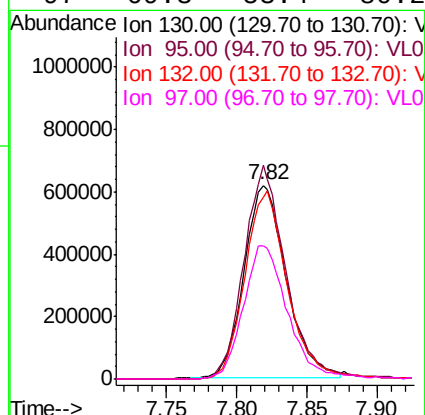
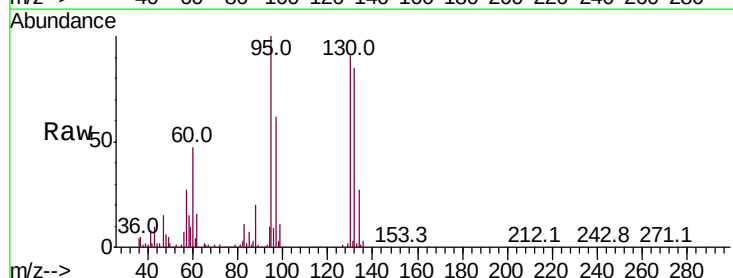
Delta R.T. -0.01 min

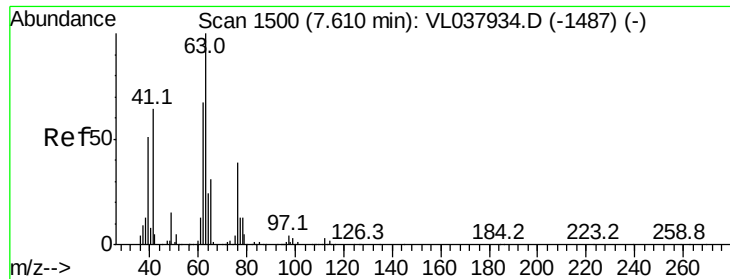
Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion:130 Resp: 1304036

Ion	Ratio	Lower	Upper
130	100		
95	110.8	81.8	122.8
132	93.9	74.2	111.2
97	69.3	53.4	80.2





#39

1,2-Dichloropropane

Concen: 10.083 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30 VL1102ABS02

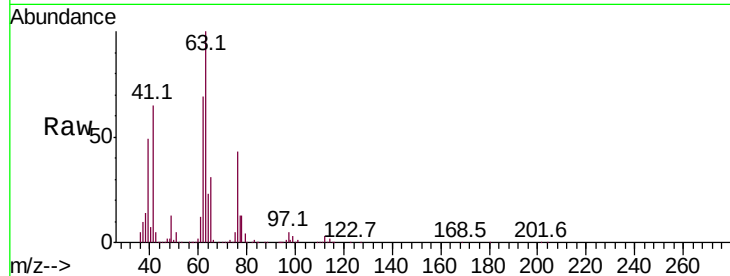
Tot Ion: 63 Resp: 1267569

Ion Ratio Lower Upper

63 100

41 65.4 51.6 77.4

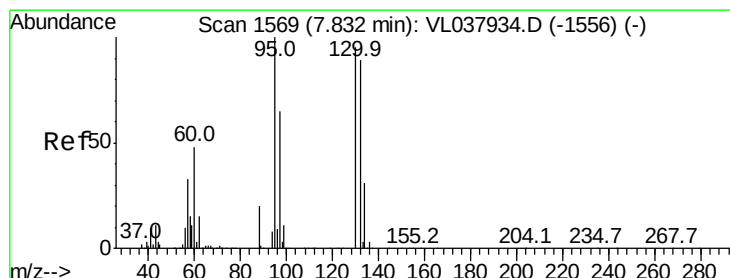
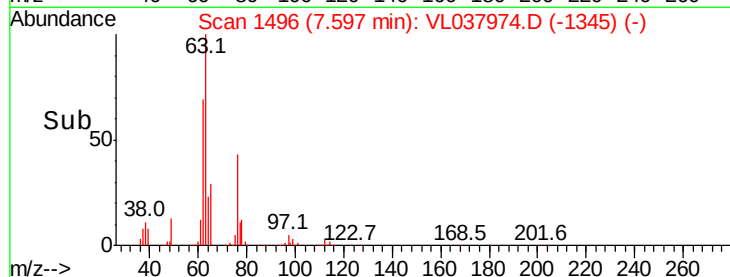
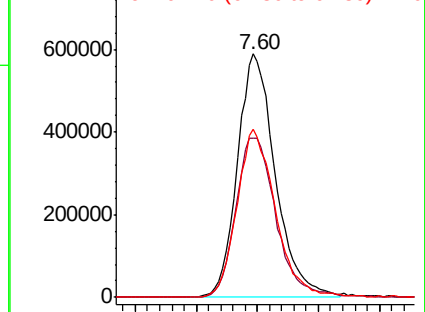
62 68.7 53.5 80.3



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: 9.564 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.02 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion: 88 Resp: 316659

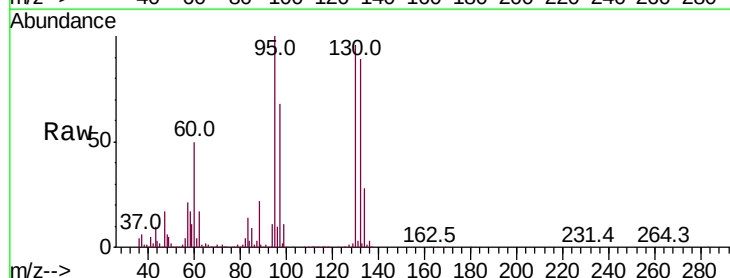
Ion Ratio Lower Upper

88 100

58 163.0 129.1 193.7

43 393.8 313.2 469.8

57 1792.6 1408.6 2112.8

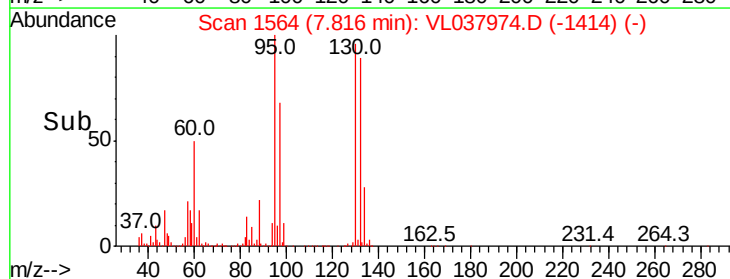
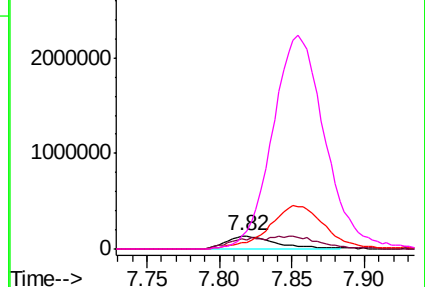


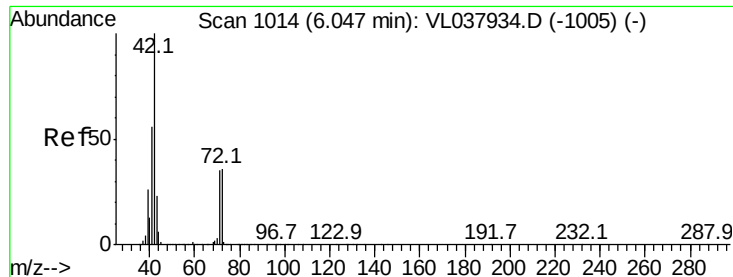
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.613 ppbv

RT: 6.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30

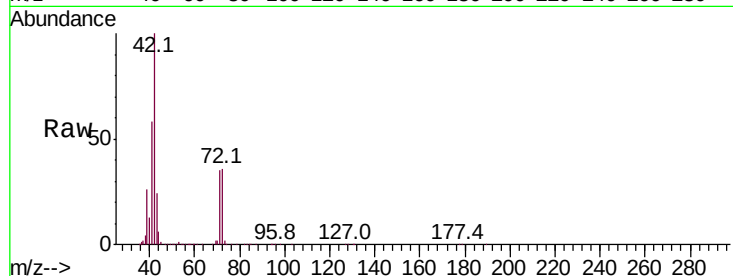
Tot Ion: 42 Resp: 789473

Ion Ratio Lower Upper

42 100

72 38.3 31.5 47.3

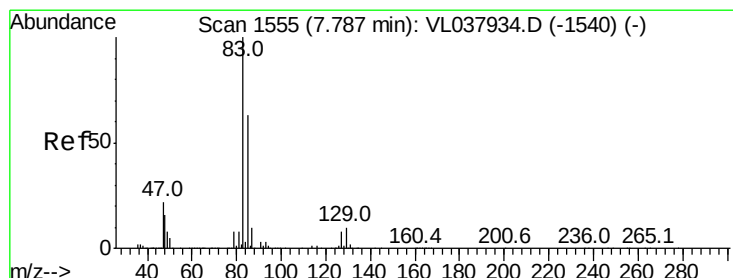
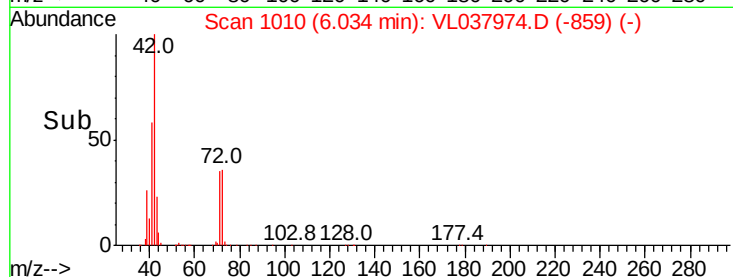
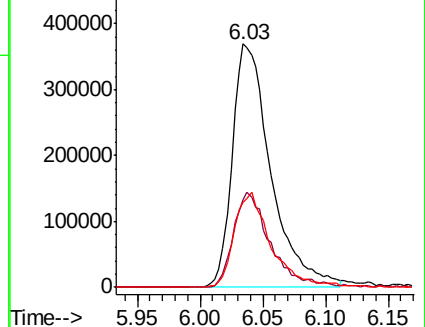
71 37.8 30.5 45.7



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: 9.860 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

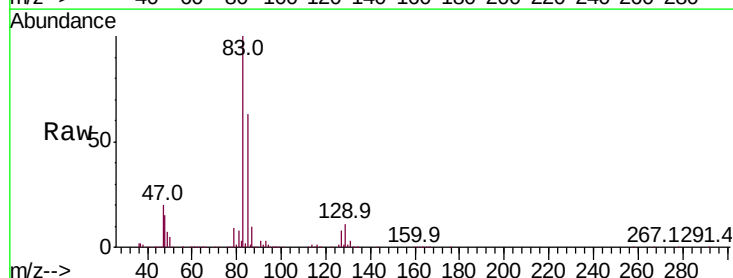
Tgt Ion: 83 Resp: 2367901

Ion Ratio Lower Upper

83 100

85 63.1 50.1 75.1

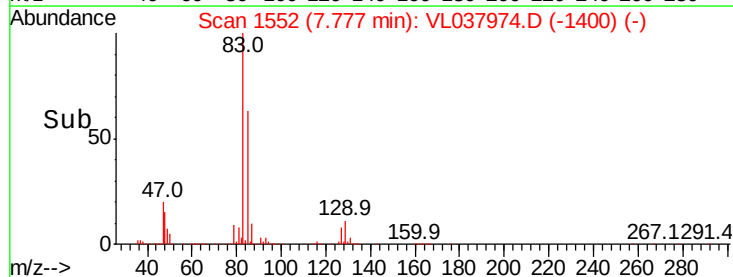
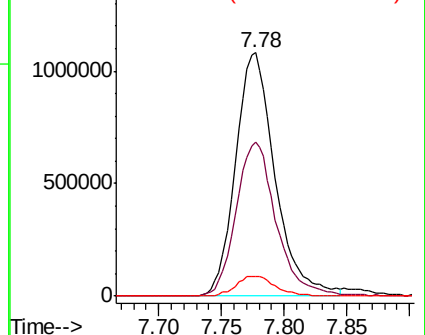
127 8.2 6.1 9.1

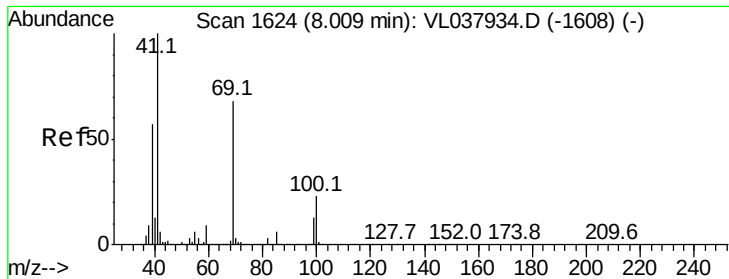


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.957 ppbv

RT: 8.00

Instrument: MSVOA_1

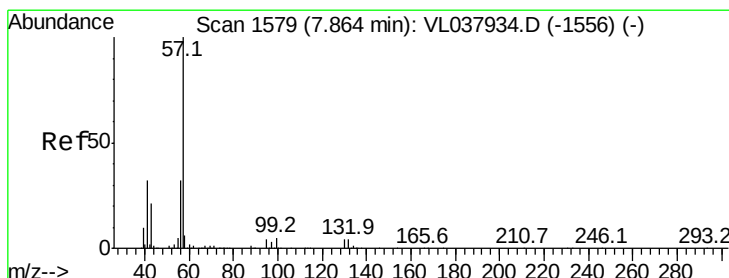
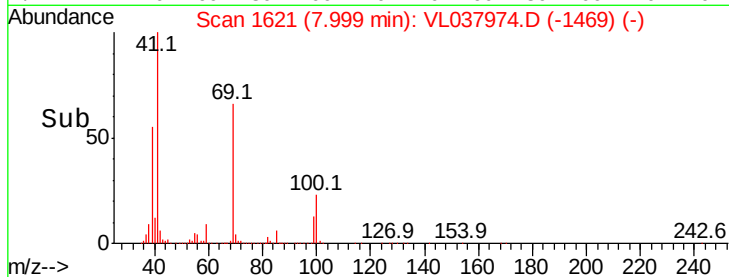
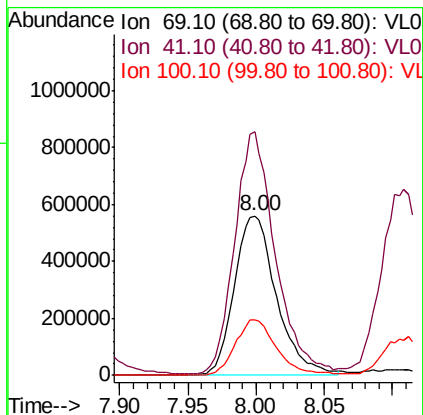
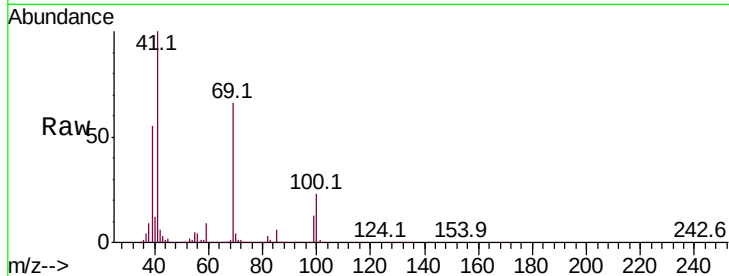
Delta R.T. ClientSampleId:

Lab File: VL1102ABS02

Acq: 2 Nov 2021 19:30

Tot Ion: 69 Resp: 1201692

Ion	Ratio	Lower	Upper
69	100		
41	148.7	117.4	176.2
100	34.3	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.967 ppbv

RT: 7.85 min Scan# 1576

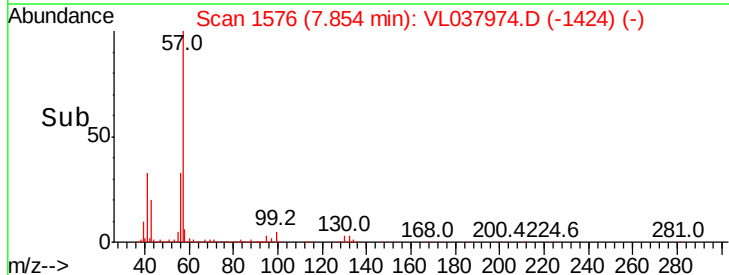
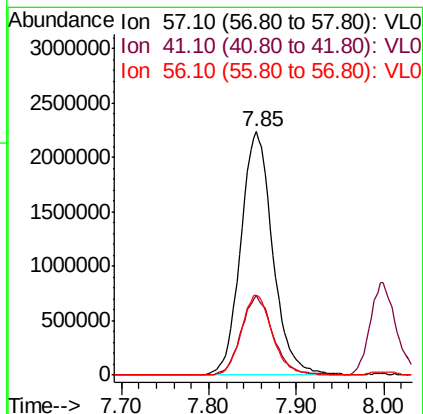
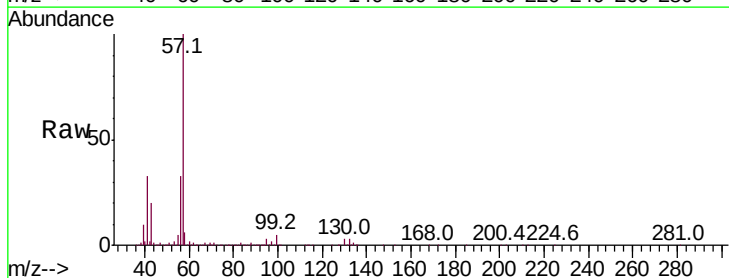
Delta R.T. -0.01 min

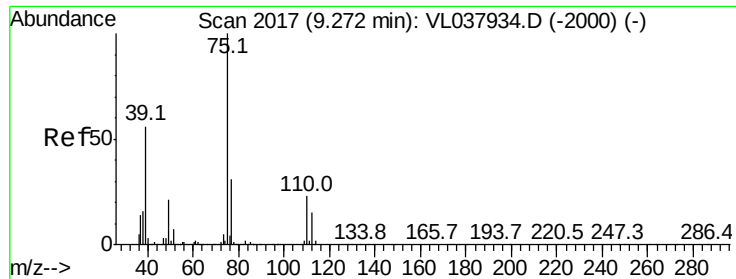
Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion: 57 Resp: 5664082

Ion	Ratio	Lower	Upper
57	100		
41	32.3	25.8	38.8
56	32.1	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 11.553 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

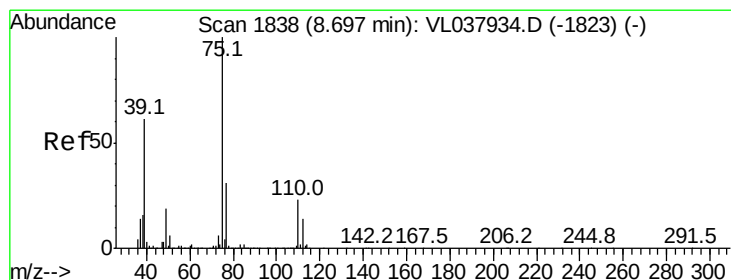
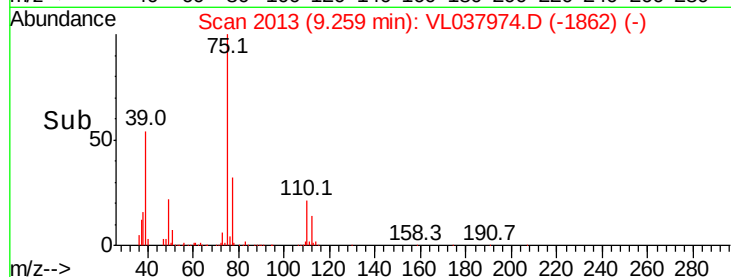
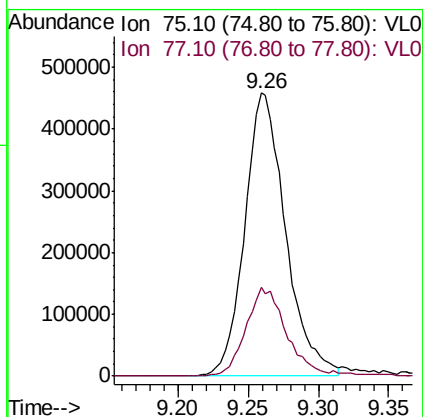
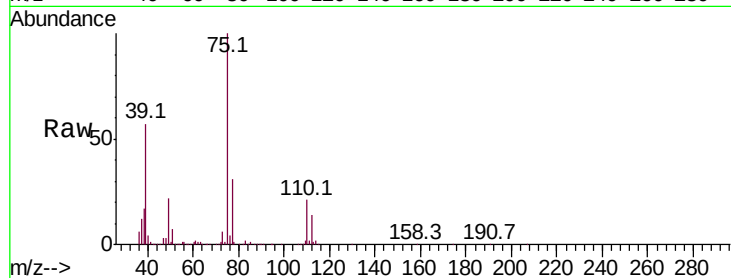
Acq: 2 Nov 2021 19:30

Tot Ion: 75 Resp: 930946

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 11.380 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

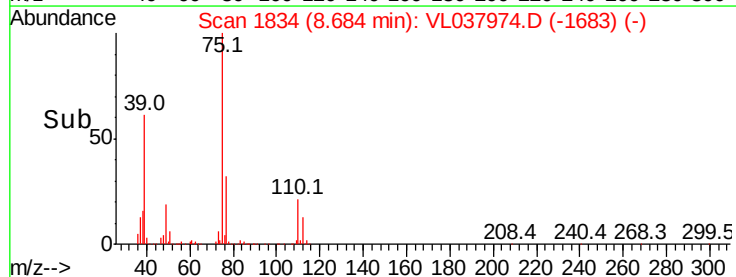
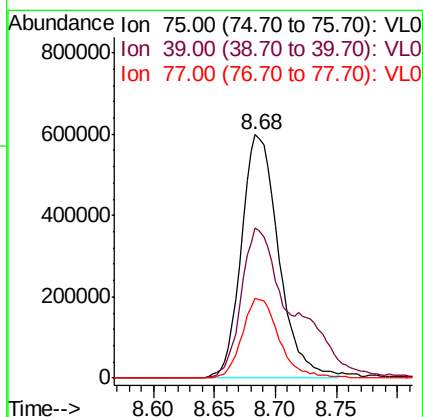
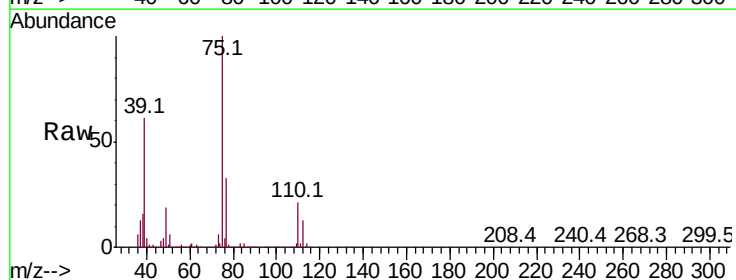
Tgt Ion: 75 Resp: 1260781

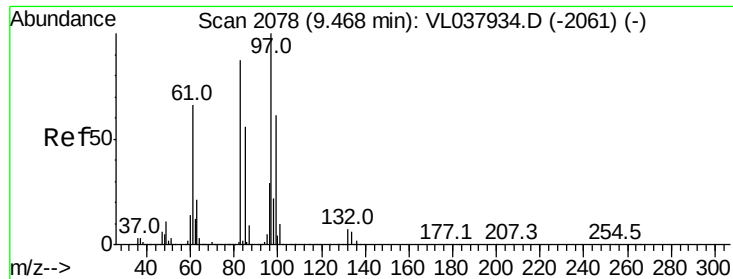
Ion Ratio Lower Upper

75 100

39 61.4 48.8 73.2

77 32.6 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 9.389 ppbv

RT: 9.46 Instrument:

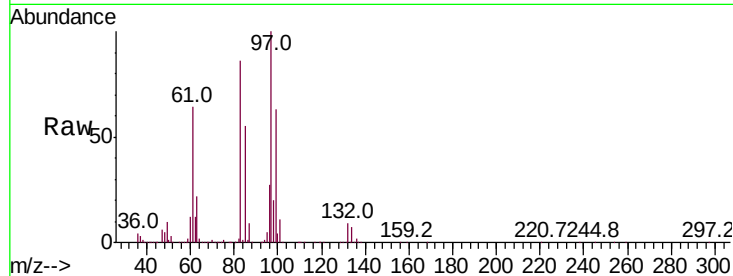
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30 VL1102ABS02

Tot Ion: 97 Resp: 1326179

Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.4	104.2
85	54.8	45.0	67.6
99	63.4	48.7	73.1

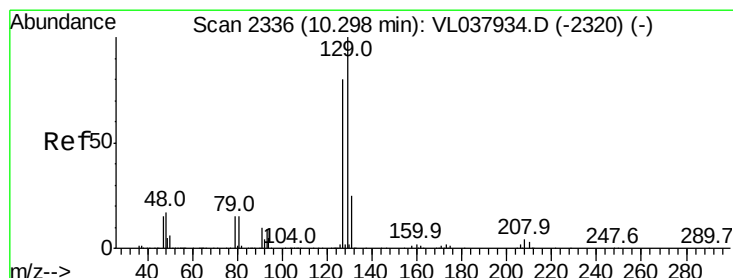
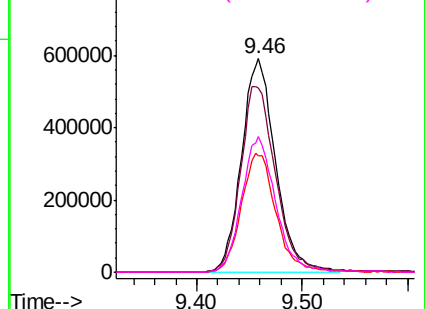
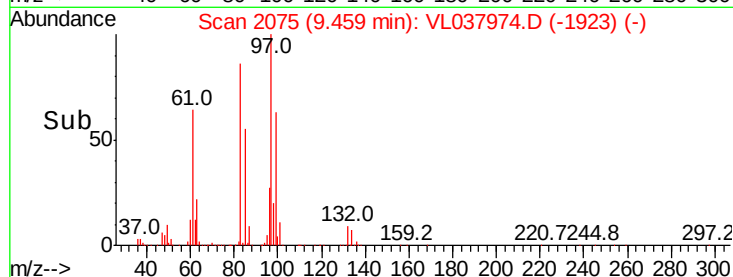


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.090 ppbv

RT: 10.28 min Scan# 2332

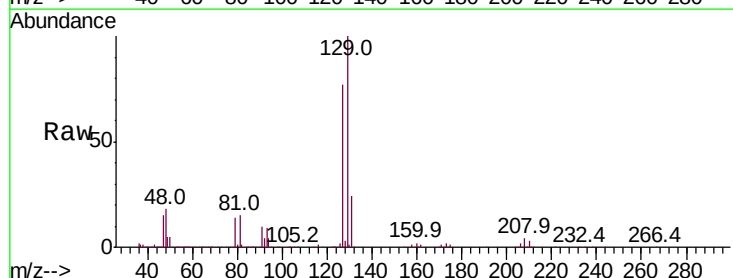
Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

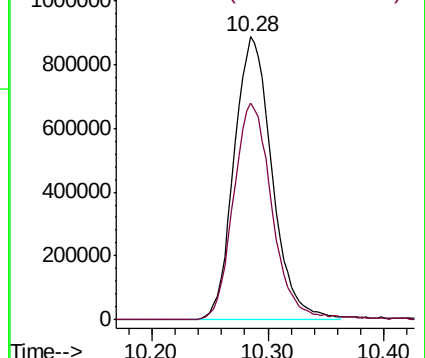
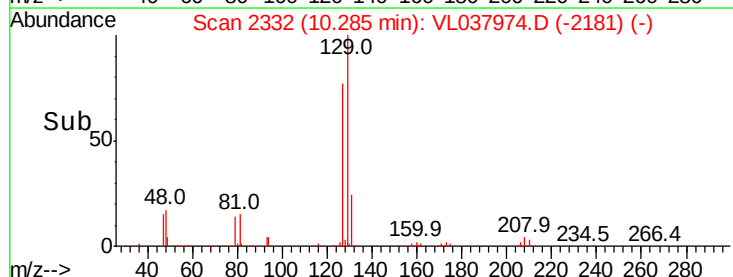
Tgt Ion: 129 Resp: 2017874

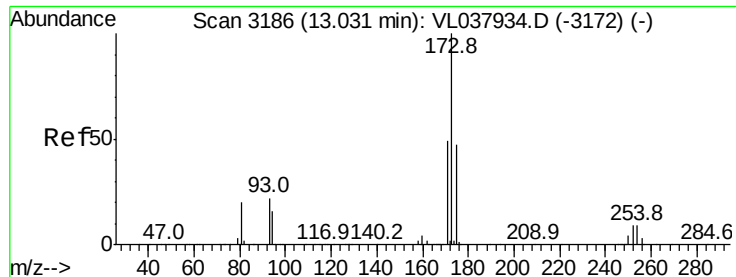
Ion	Ratio	Lower	Upper
129	100		
127	78.7	40.3	120.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.603 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30

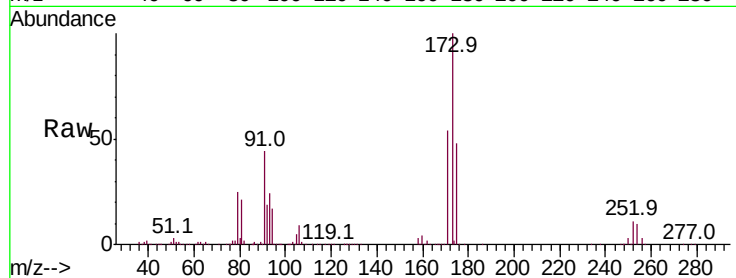
Tot Ion:173 Resp: 1518007

Ion Ratio Lower Upper

173 100

175 52.2 39.5 59.3

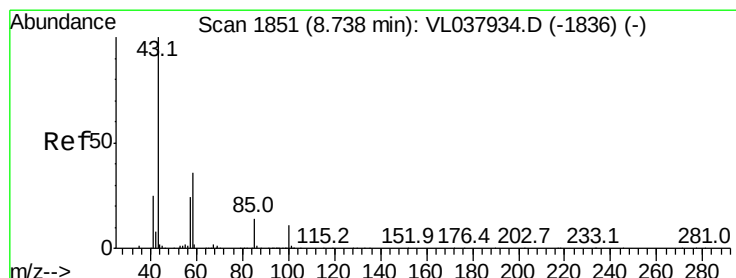
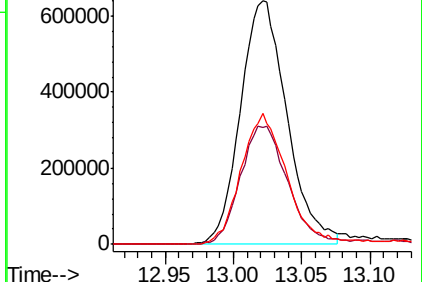
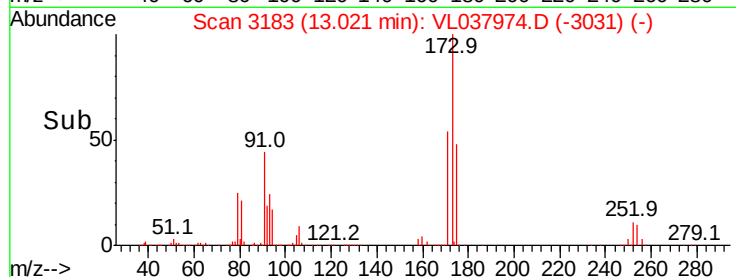
171 54.8 43.6 65.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.832 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL037974.D

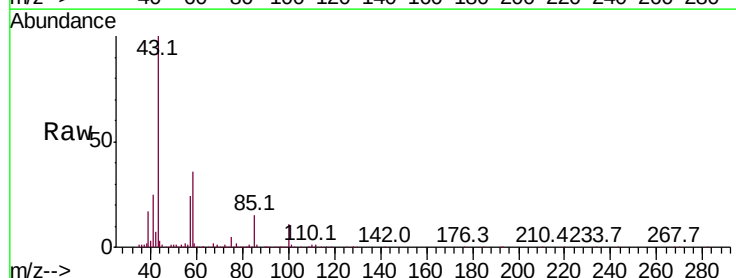
Acq: 2 Nov 2021 19:36

Tgt Ion: 43 Resp: 2163679

Ion Ratio Lower Upper

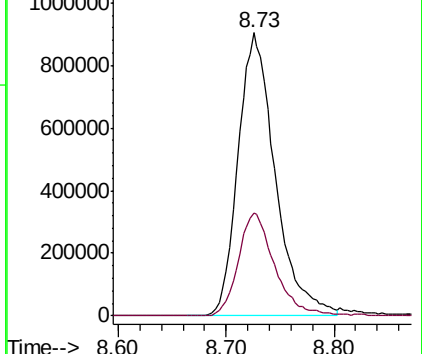
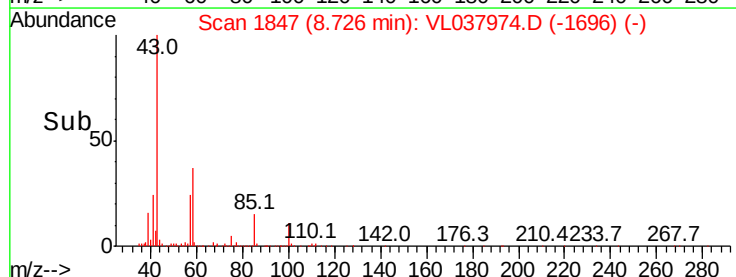
43 100

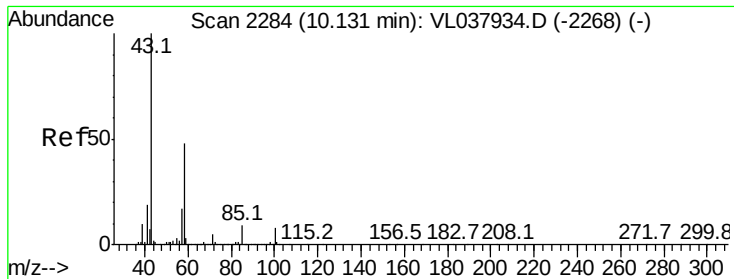
58 36.0 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

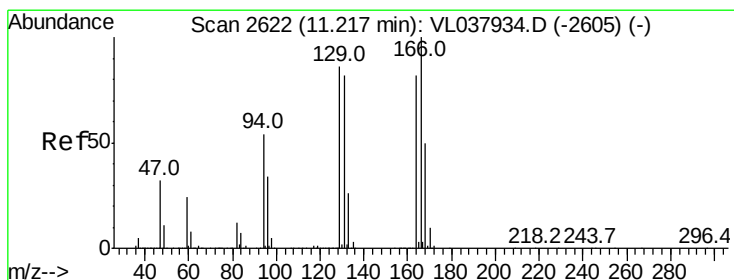
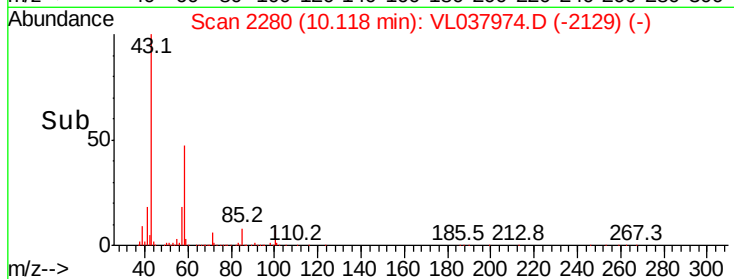
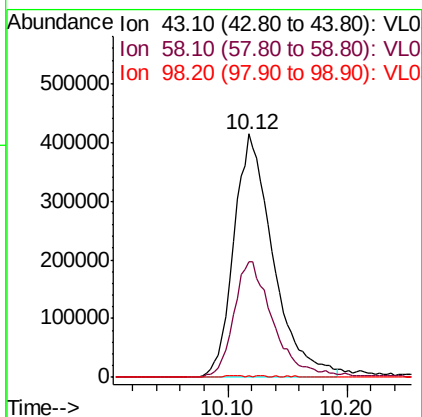
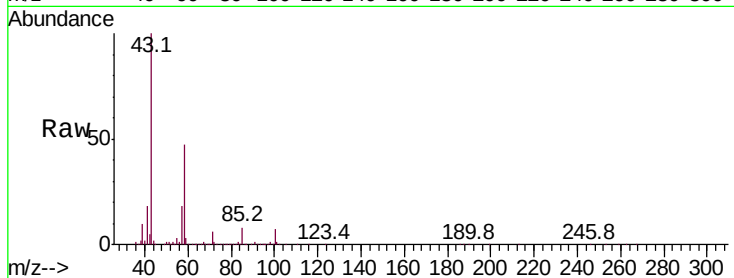
Ion 58.10 (57.80 to 58.80): VL0





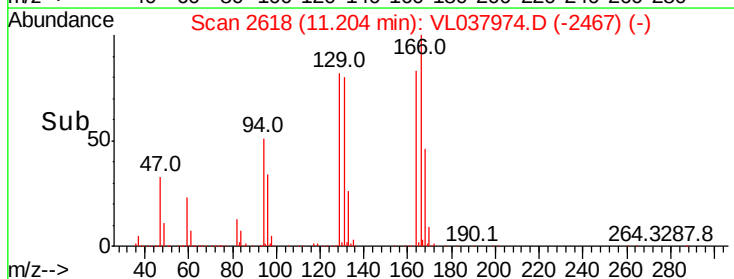
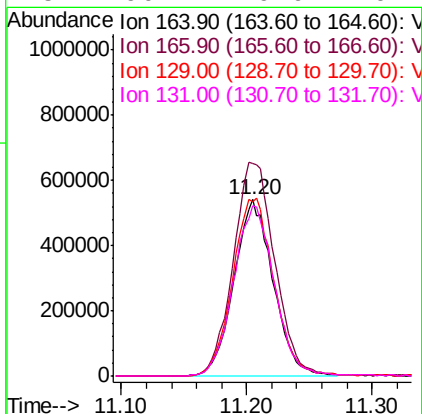
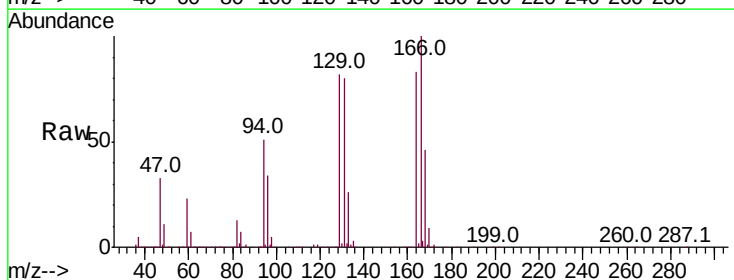
#51
2-Hexanone
Concen: 11.257 ppbv
RT: 10.12 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : VL1102ABS02
Acq: 2 Nov 2021 19:30

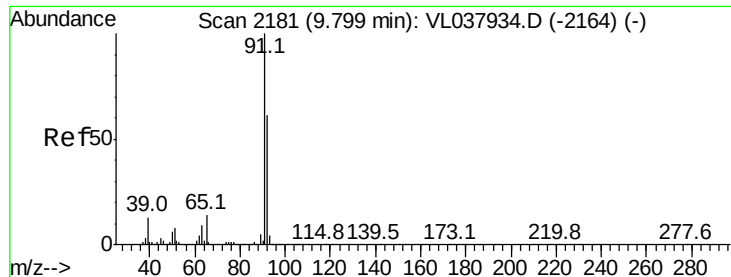
Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.6	57.8
98	1.1	1.0	1.4



#52
Tetrachloroethene
Concen: 9.231 ppbv
RT: 11.20 min Scan# 2618
Delta R.T.: -0.01 min
Lab File: VL037974.D
Acq: 2 Nov 2021 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.2	97.6	146.4
129	98.2	84.2	126.2
131	96.2	79.6	119.4





#53

Toluene

Concen: 10.578 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1102ABS02

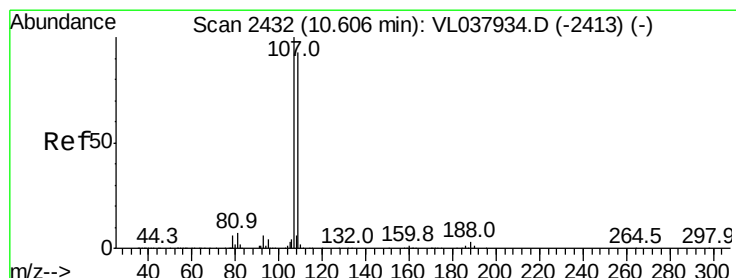
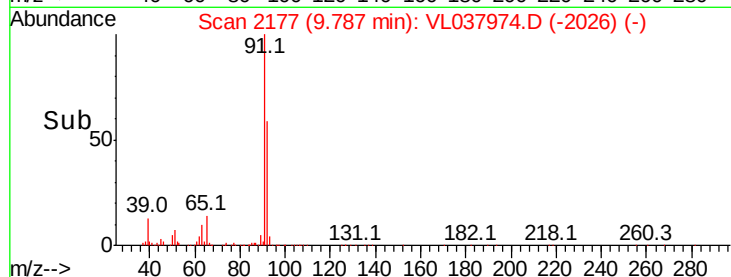
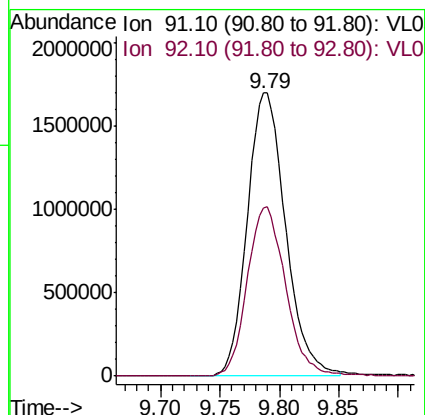
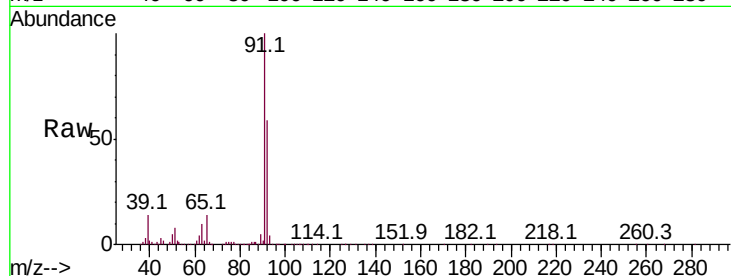
Acq: 2 Nov 2021 19:30

Tot Ion: 91 Resp: 3789006

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.4



#54

1,2-Dibromoethane

Concen: 10.015 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL037974.D

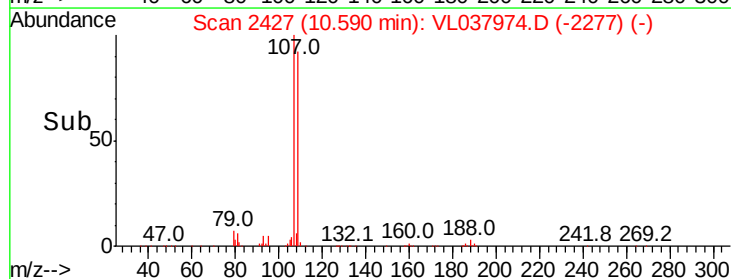
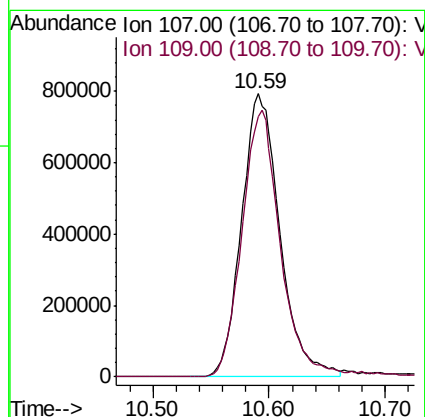
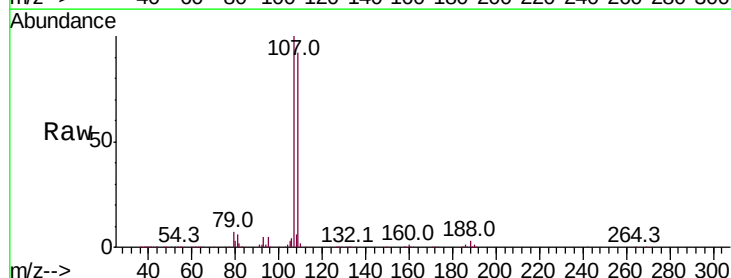
Acq: 2 Nov 2021 19:36

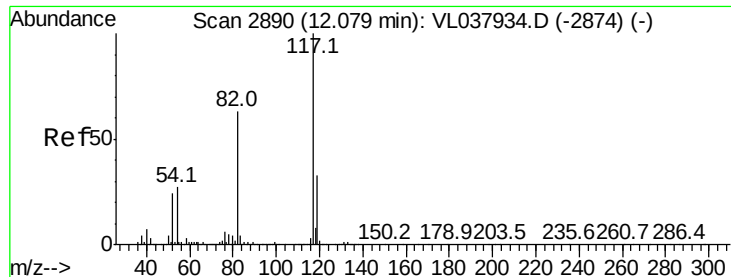
Tgt Ion: 107 Resp: 1824500

Ion Ratio Lower Upper

107 100

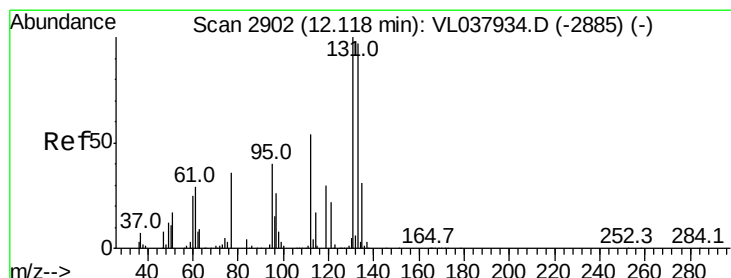
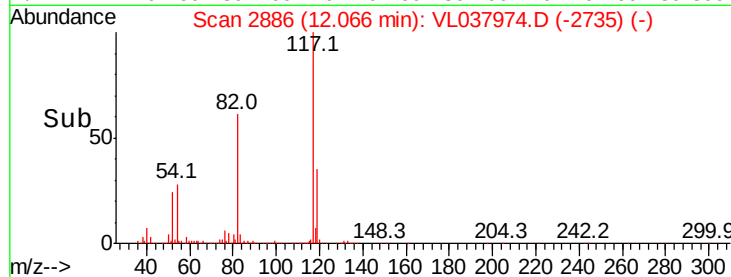
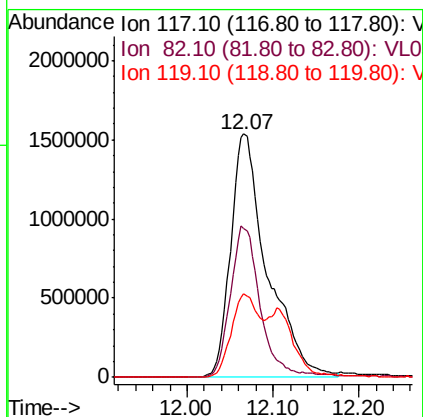
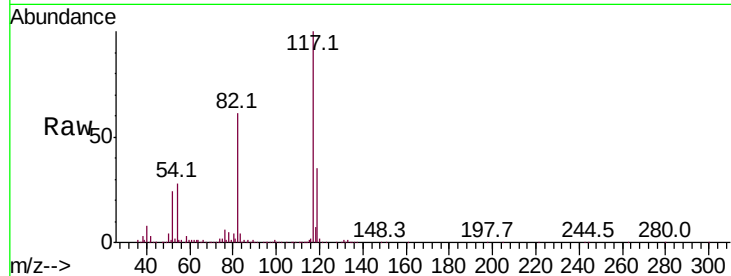
109 92.0 74.5 111.7





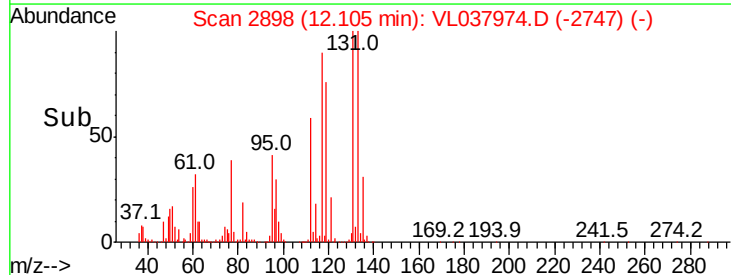
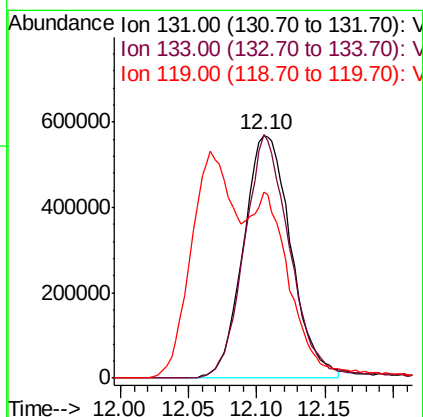
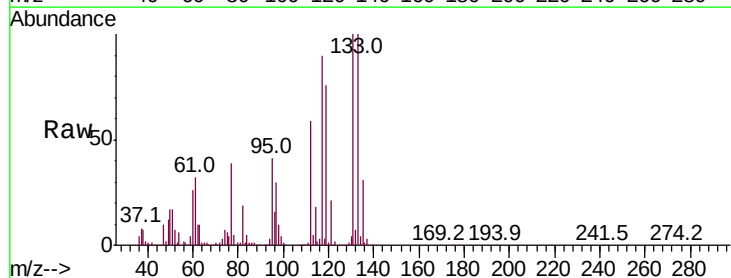
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: VL1102ABS02
Acq: 2 Nov 2021 19:30

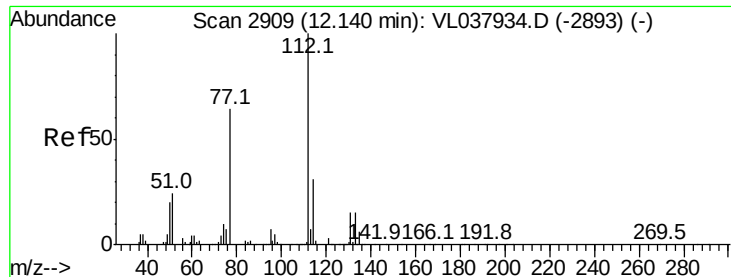
Tot Ion:117 Resp: 4545488
Ion Ratio Lower Upper
117 100
82 52.2 51.0 76.6
119 25.9 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.449 ppbv
RT: 12.10 min Scan# 2898
Delta R.T.: -0.01 min
Lab File: VL037974.D
Acq: 2 Nov 2021 19:36

Tgt Ion:131 Resp: 1367111
Ion Ratio Lower Upper
131 100
133 98.7 79.6 119.4
119 72.6 125.4 188.2#

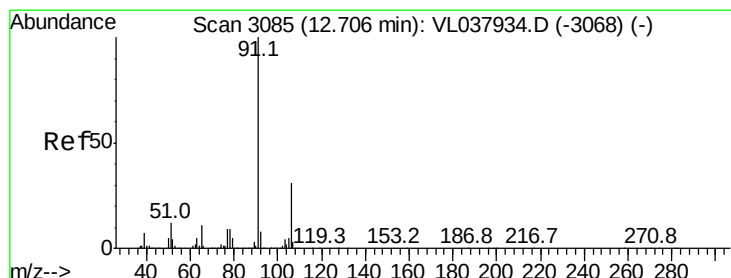
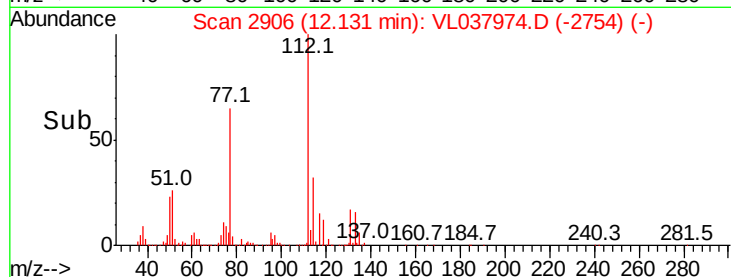
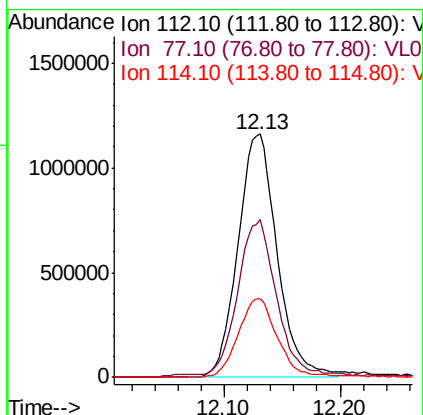
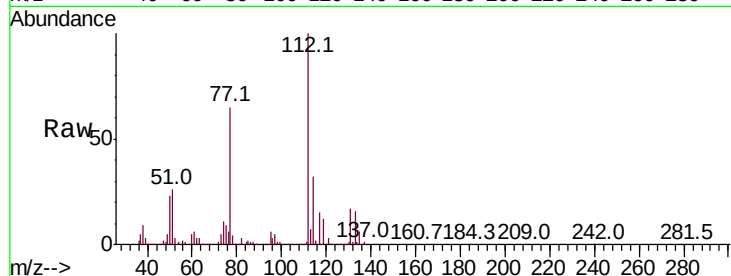




#57
Chlorobenzene
Concen: 7.521 ppbv
RT: 12.13
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1102ABS02
Acq: 2 Nov 2021 19:30

Tot Ion: 112 Resp: 2728712

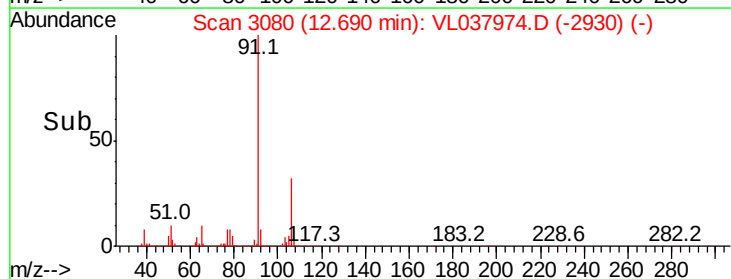
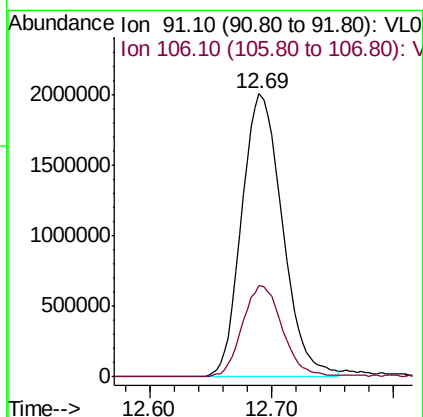
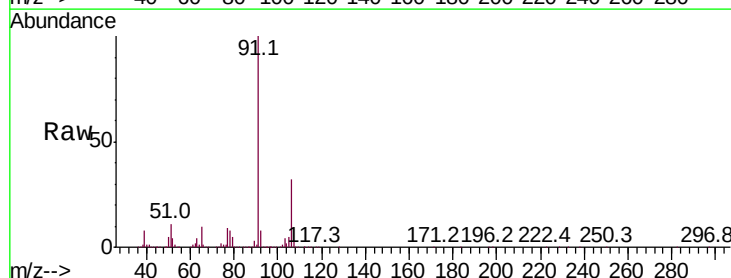
Ion	Ratio	Lower	Upper
112	100		
77	63.7	51.1	76.7
114	32.2	27.9	34.1

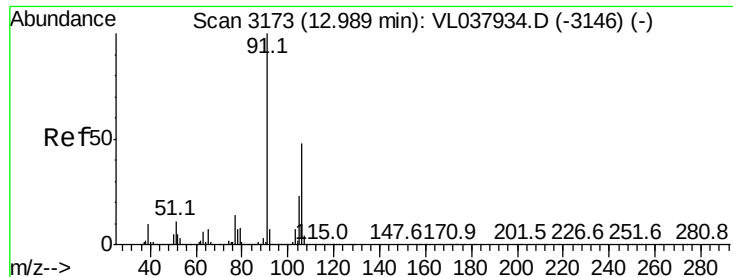


#58
Ethyl Benzene
Concen: 8.366 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.02 min
Lab File: VL037974.D
Acq: 2 Nov 2021 19:36

Tgt Ion: 91 Resp: 4650337

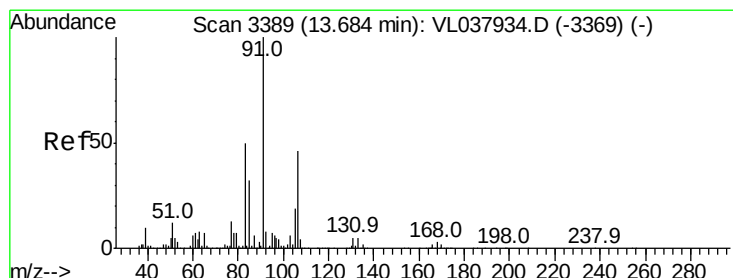
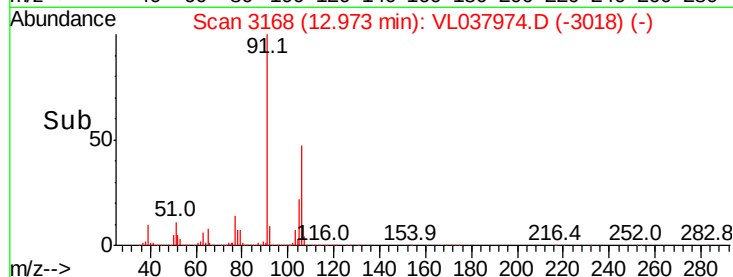
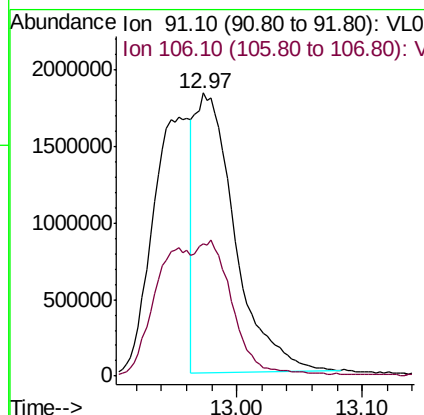
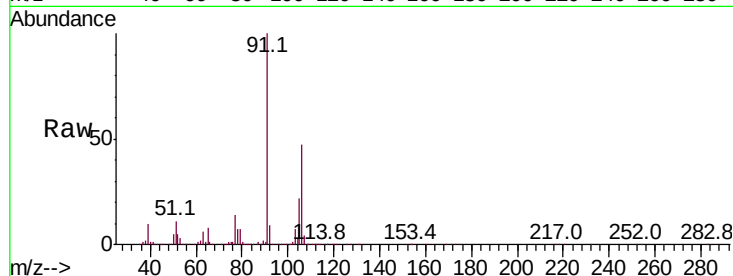
Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.1	37.7





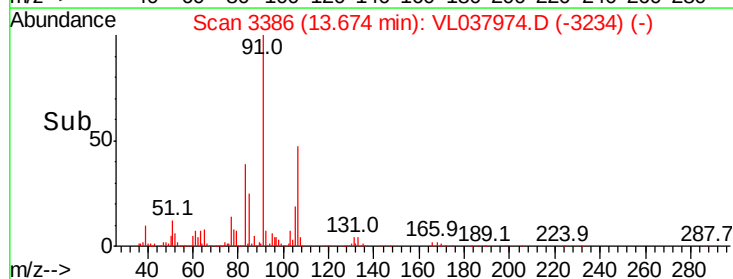
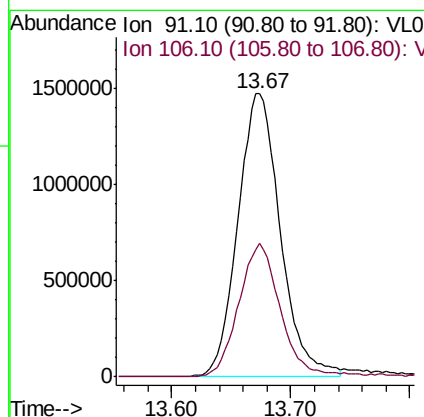
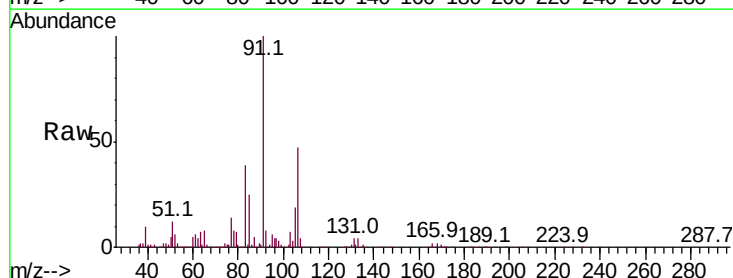
#59
m/p-Xylene
Concen: 8.225 ppbv
RT: 12.97
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL1102ABS02
Acq: 2 Nov 2021 19:30

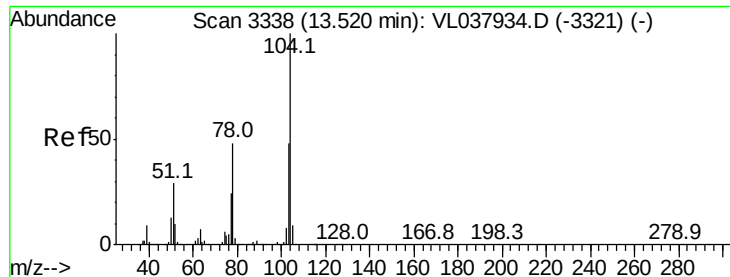
Tot Ion: 91 Resp: 4063724
Ion Ratio Lower Upper
91 100
106 88.9 37.1 55.7#



#60
o-Xylene
Concen: 7.792 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL037974.D
Acq: 2 Nov 2021 19:36

Tgt Ion: 91 Resp: 3629826
Ion Ratio Lower Upper
91 100
106 47.2 23.5 70.6





#61

Stvrene

Concen: 9.209 ppbv

RT: 13.51

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30

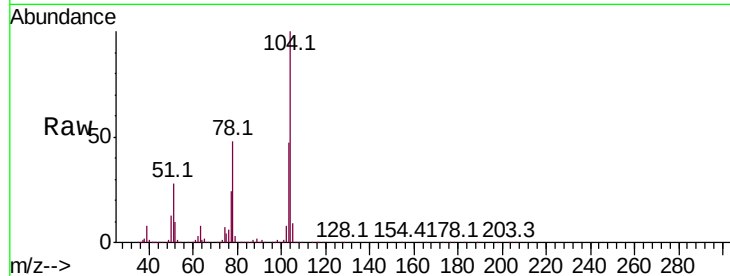
Tot Ion:104 Resp: 1970069

Ion Ratio Lower Upper

104 100

78 49.9 39.3 58.9

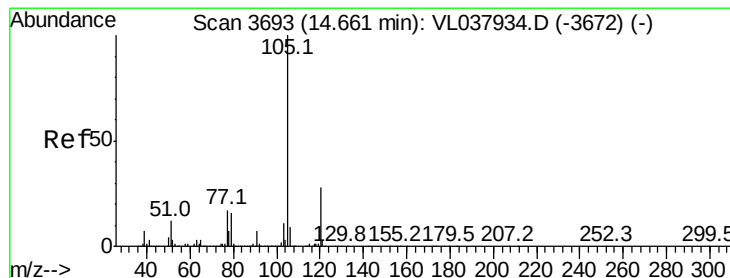
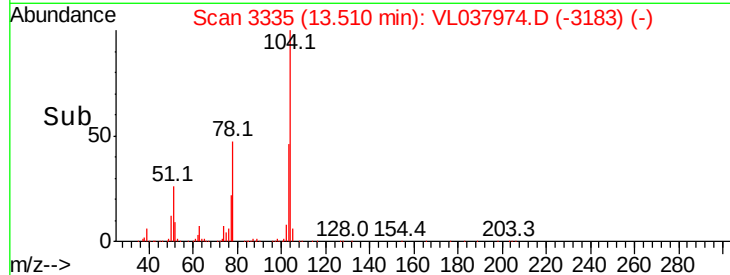
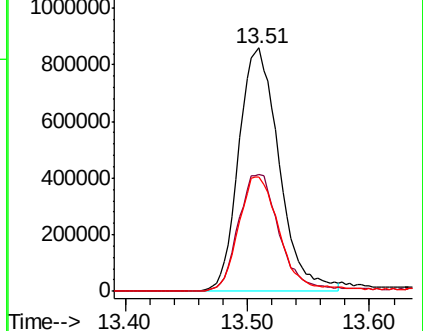
103 48.7 39.6 59.4



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: 7.516 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL037974.D

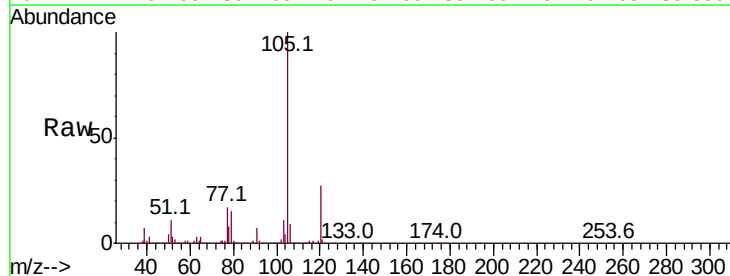
Acq: 2 Nov 2021 19:36

Tgt Ion:105 Resp: 4957426

Ion Ratio Lower Upper

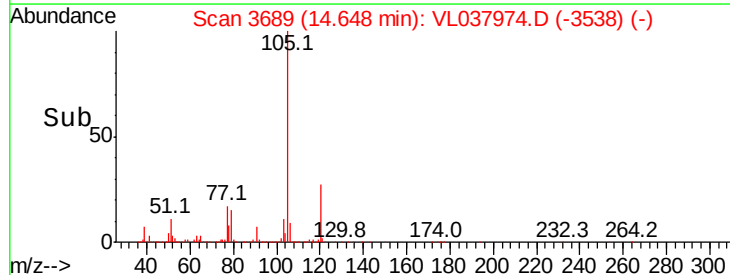
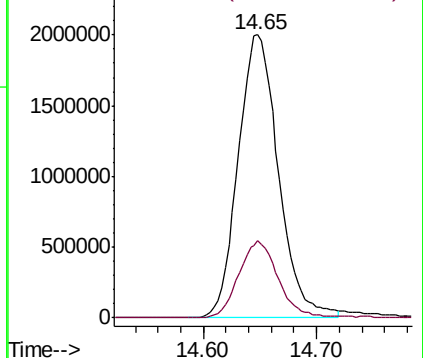
105 100

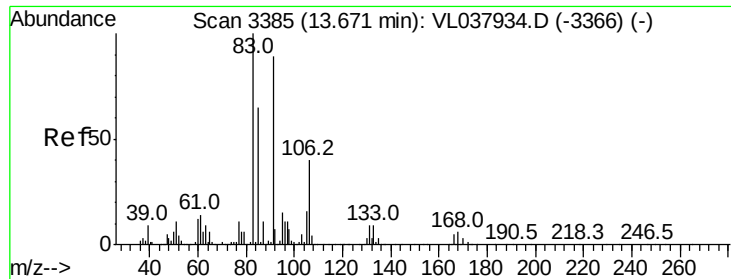
120 27.2 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

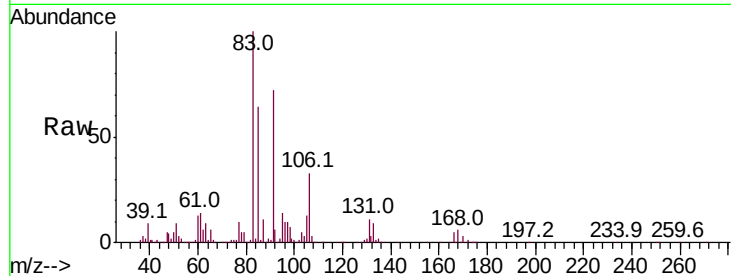




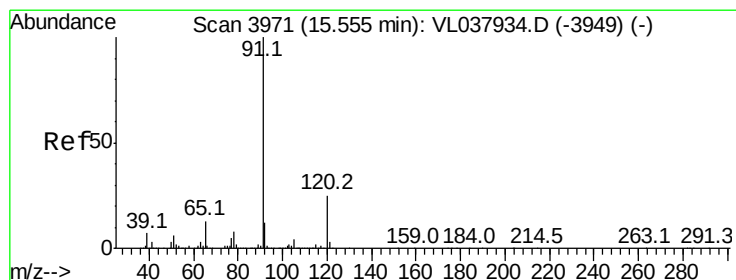
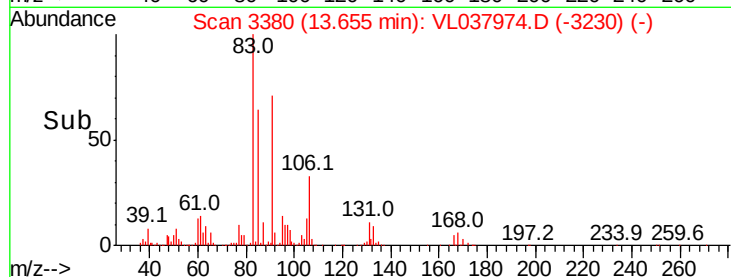
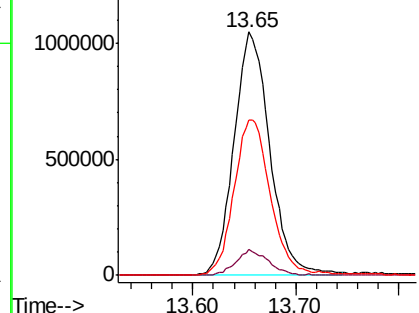
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.272 ppbv
 RT: 13.65 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1102ABS02
 Acq: 2 Nov 2021 19:30

Tot Ion: 83 Resp: 2514629

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	66.7	32.5	97.5



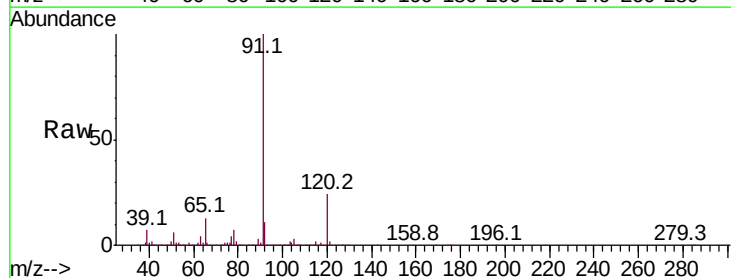
Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0



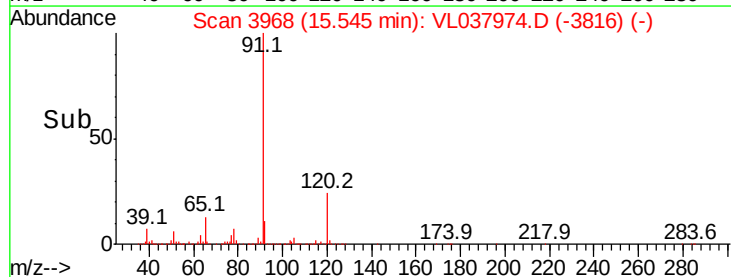
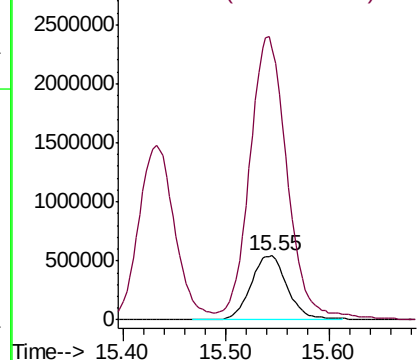
#64
 n-propylbenzene
 Concen: 7.868 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

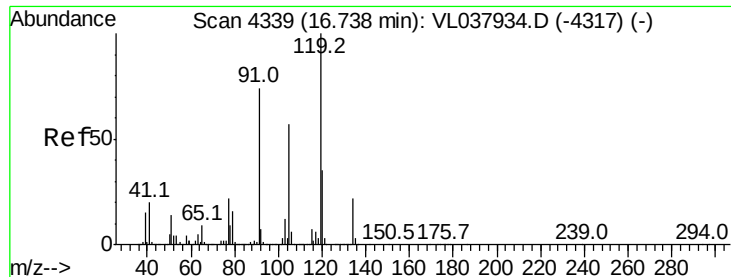
Tgt Ion: 120 Resp: 1329735

Ion	Ratio	Lower	Upper
120	100		
91	459.7	363.3	544.9



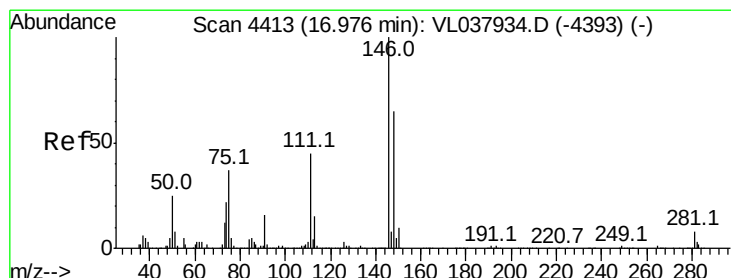
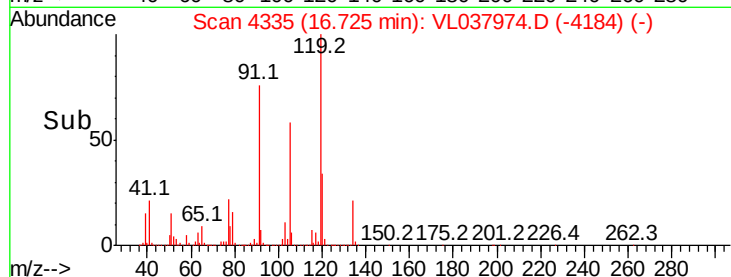
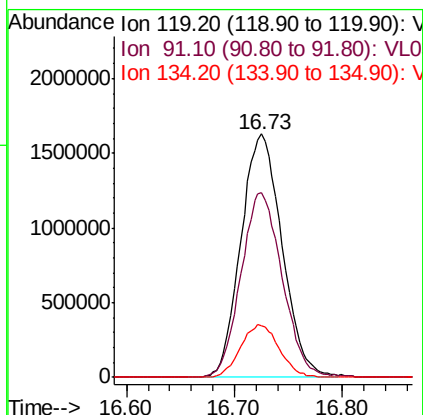
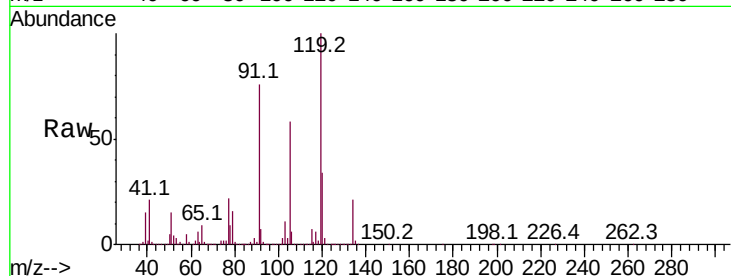
Abundance Ion 120.20 (119.90 to 120.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0





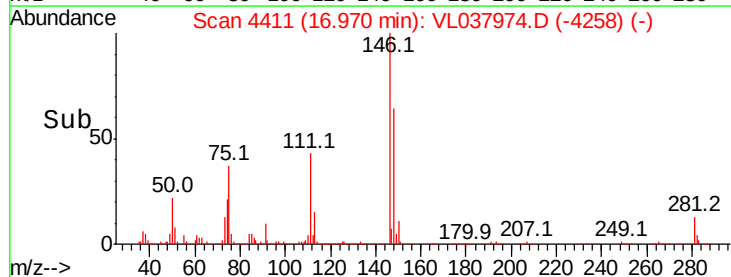
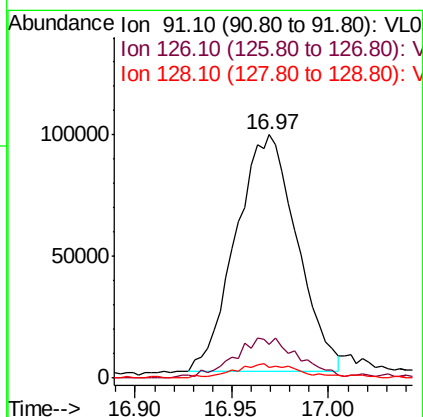
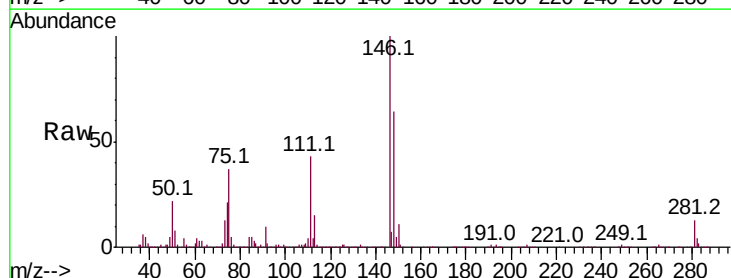
#65
 tert-Butylbenzene
 Concen: 7.410 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VL1102ABS02
 Acq: 2 Nov 2021 19:30

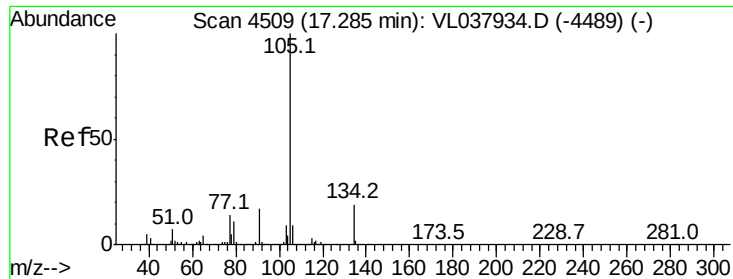
Tot Ion: 119 Resp: 4319386
 Ion Ratio Lower Upper
 119 100
 91 76.2 61.8 92.6
 134 20.5 16.6 25.0



#66
 Benzyl Chloride
 Concen: 6.990 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T.: -0.01 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

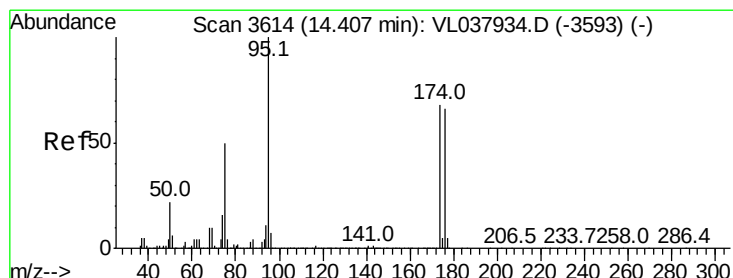
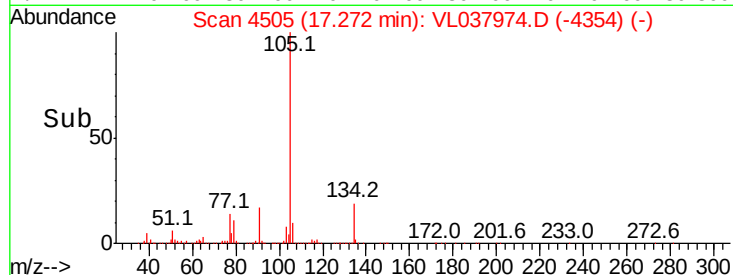
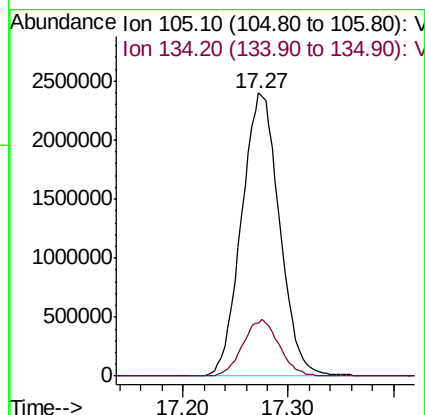
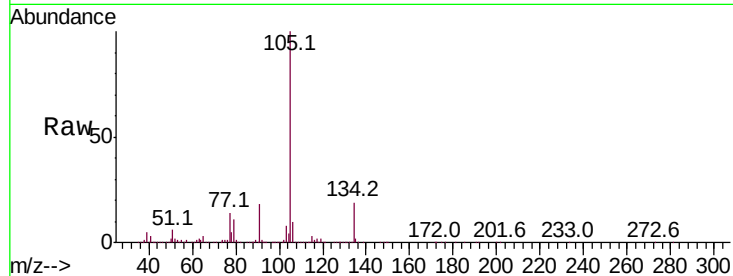
Tgt Ion: 91 Resp: 212923
 Ion Ratio Lower Upper
 91 100
 126 19.3 13.8 20.6
 128 7.3 5.1 7.7





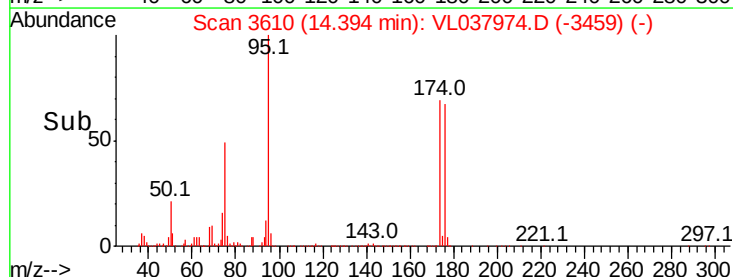
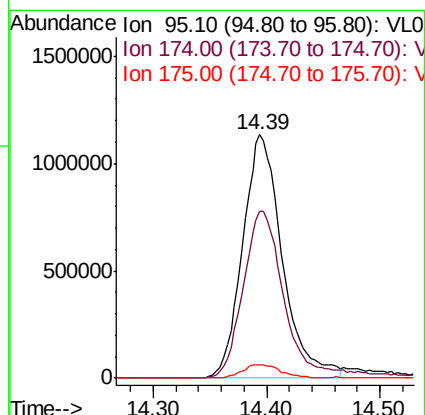
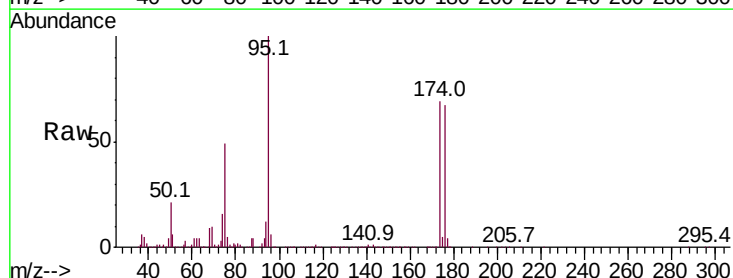
#67
 sec-Butylbenzene
 Concen: 7.465 ppbv
 RT: 17.27
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1102ABS02
 Acq: 2 Nov 2021 19:30

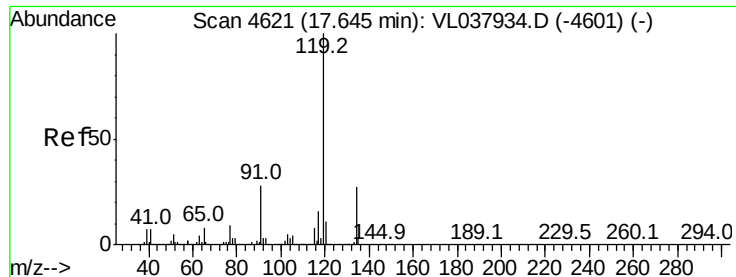
Tot Ion: 105 Resp: 5995135
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.374 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.01 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

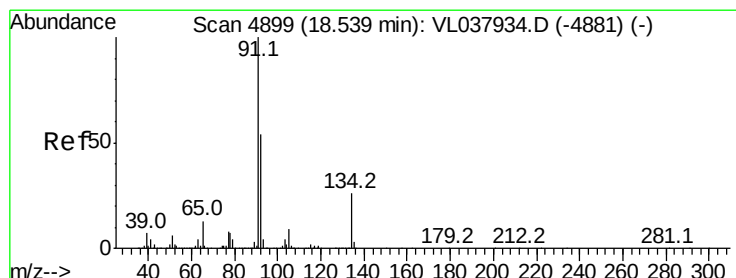
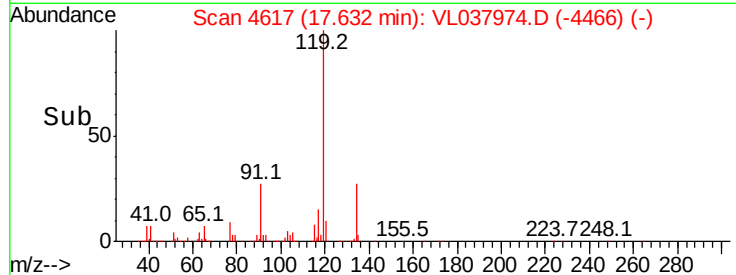
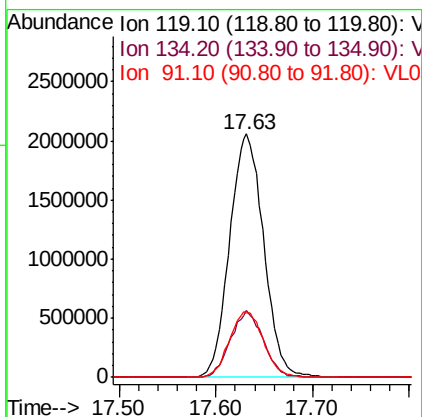
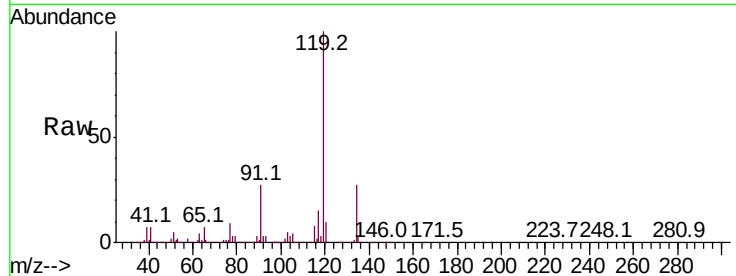
Tgt Ion: 95 Resp: 2767019
 Ion Ratio Lower Upper
 95 100
 174 73.3 58.3 87.5
 175 5.4 4.6 6.8





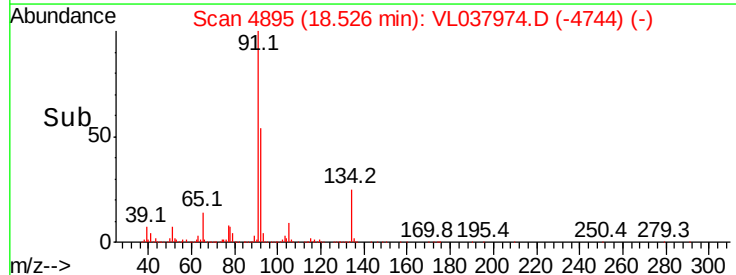
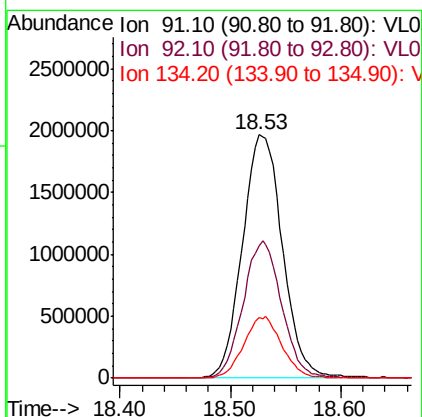
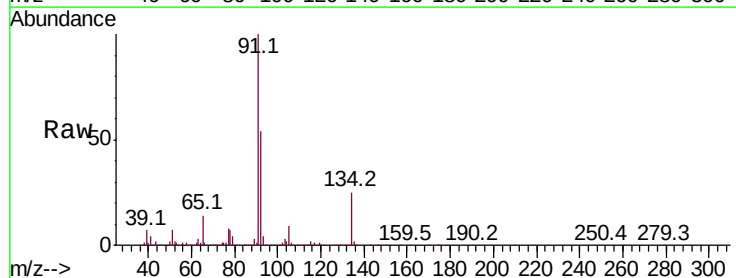
#69
 p-Isopropyltoluene
 Concen: 7.785 ppbv
 RT: 17.63 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId : VL1102ABS02
 Acq: 2 Nov 2021 19:30

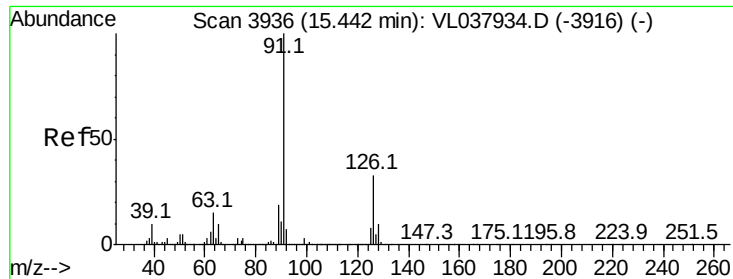
Tot Ion:	119	Resp:	5015102
Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.0	31.4
91	27.1	21.8	32.8



#70
 n-Butylbenzene
 Concen: 8.345 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T.: -0.01 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

Tgt Ion:	91	Resp:	4939555
Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.6	65.4
134	24.3	19.8	29.6





#71

2-Chlorotoluene

Concen: 7.754 ppbv

RT: 15.43

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

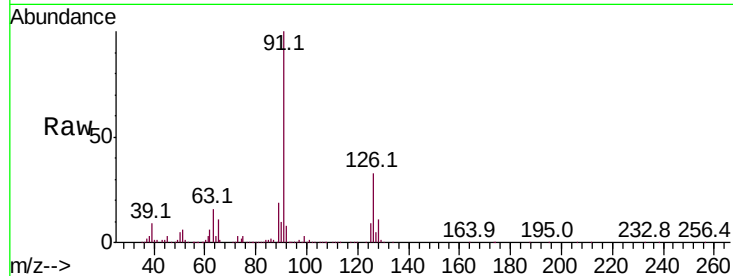
Acq: 2 Nov 2021 19:30

Tot Ion: 91 Resp: 3583460

Ion Ratio Lower Upper

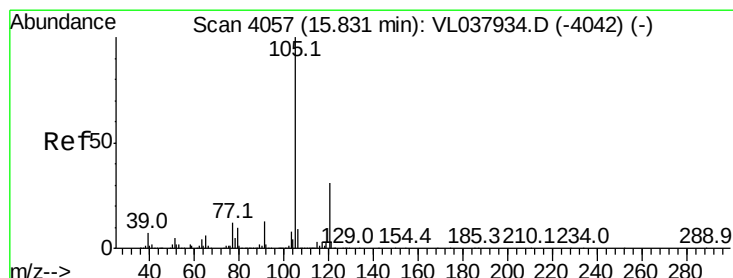
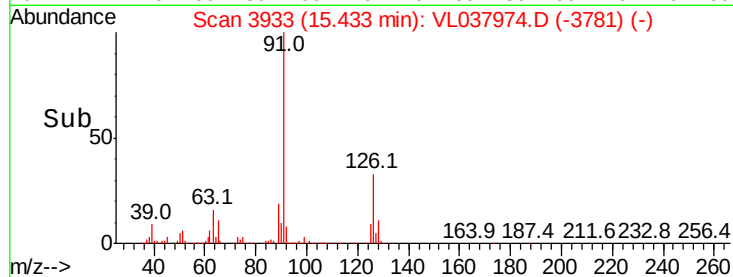
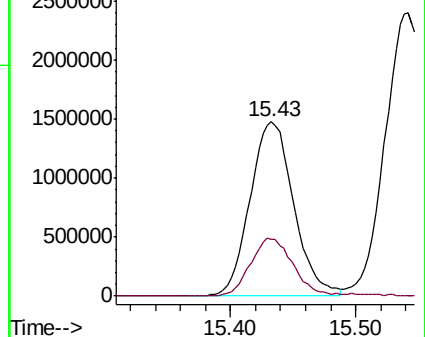
91 100

126 33.9 13.3 53.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.843 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion: 105 Resp: 4185447

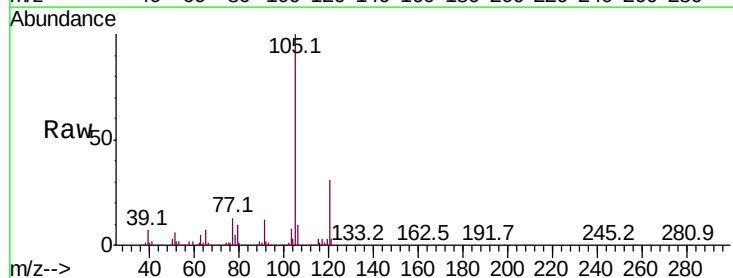
Ion Ratio Lower Upper

105 100

120 31.4 25.3 37.9

91 12.3 9.9 14.9

77 13.2 10.7 16.1

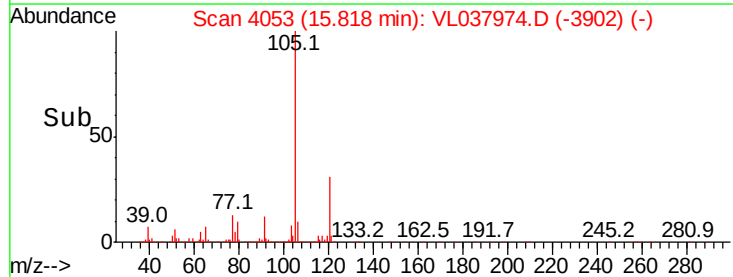
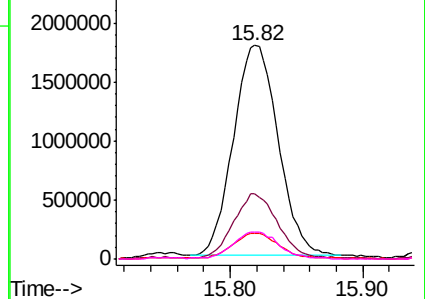


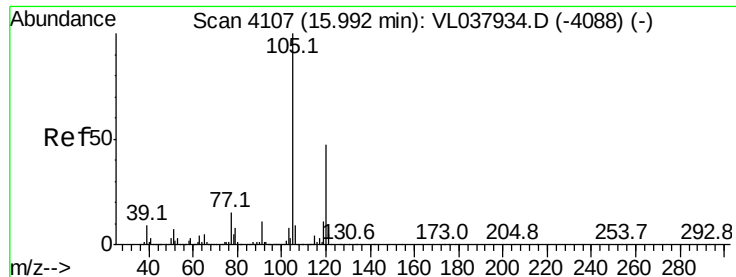
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.654 ppbv

RT: 15.98

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

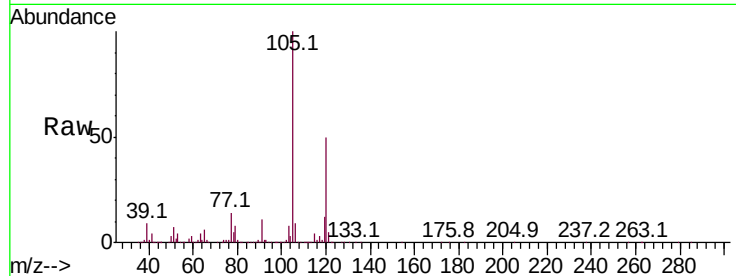
Acq: 2 Nov 2021 19:30

Tot Ion:105 Resp: 3825206

Ion Ratio Lower Upper

105 100

120 50.6 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

1500000

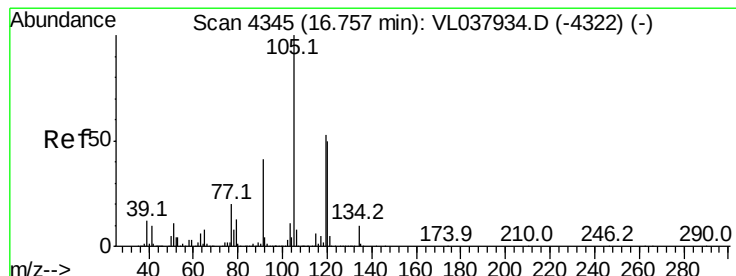
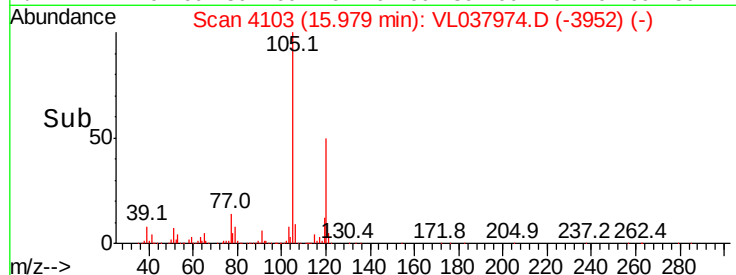
1000000

500000

0

Time-->

15.90 16.00



#74

1,2,4-Trimethylbenzene

Concen: 7.606 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.02 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

Tgt Ion:105 Resp: 3981978

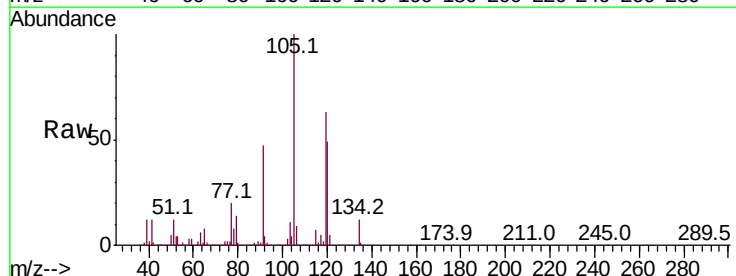
Ion Ratio Lower Upper

105 100

120 49.1 40.0 60.0

91 47.3 32.6 49.0

77 19.9 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

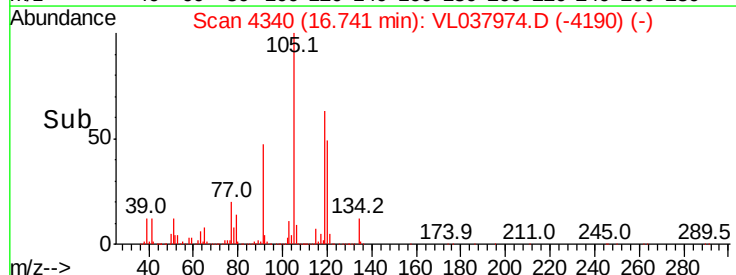
1000000

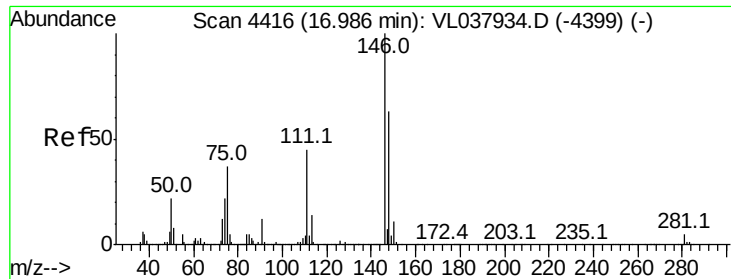
500000

0

Time-->

16.60 16.70 16.80

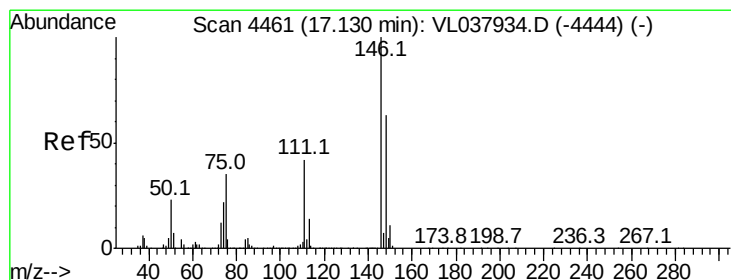
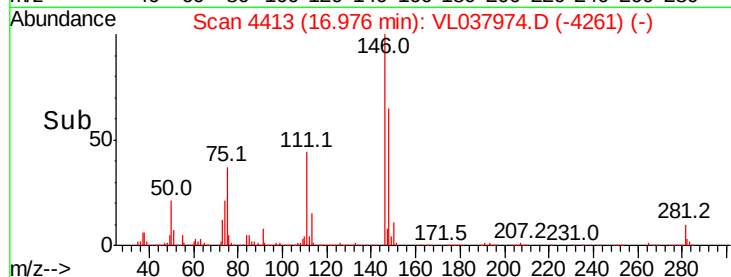
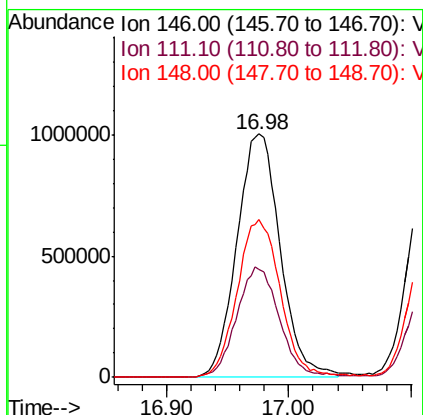
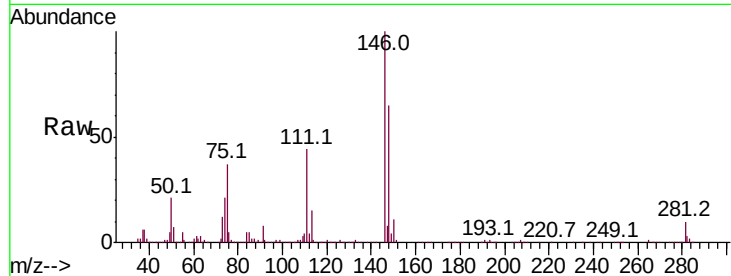




#75
 1,3-Dichlorobenzene
 Concen: 7.548 ppbv
 RT: 16.98 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1102ABS02
 Acq: 2 Nov 2021 19:30

Tot Ion:146 Resp: 2460466

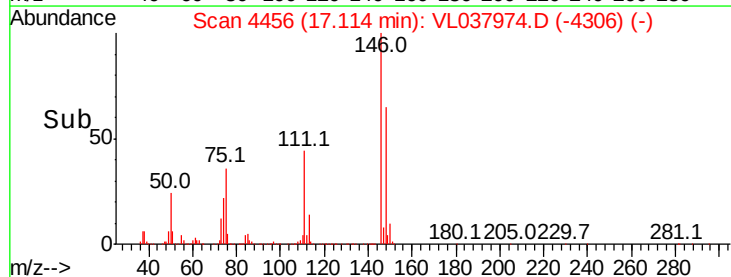
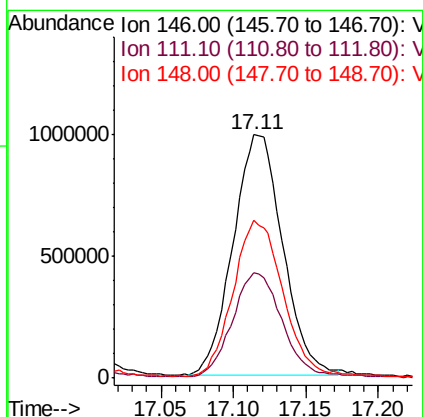
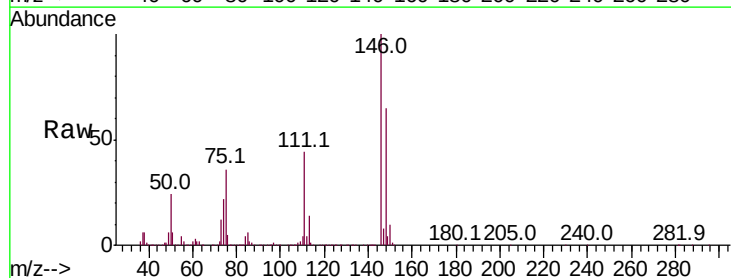
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.1
148	65.3	32.4	97.0

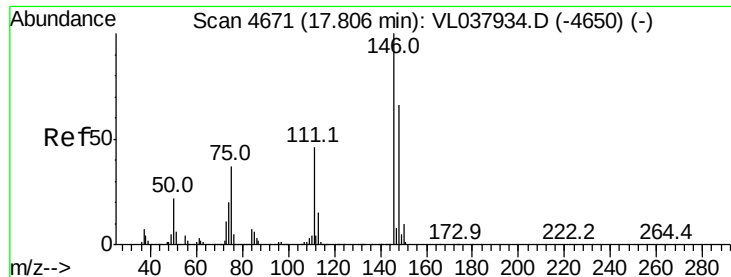


#76
 1,4-Dichlorobenzene
 Concen: 7.431 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.02 min
 Lab File: VL037974.D
 Acq: 2 Nov 2021 19:36

Tgt Ion:146 Resp: 2343947

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.1
148	67.7	33.5	100.4





#77

1,2-Dichlorobenzene

Concen: 7.814 ppbv

RT: 17.80

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30

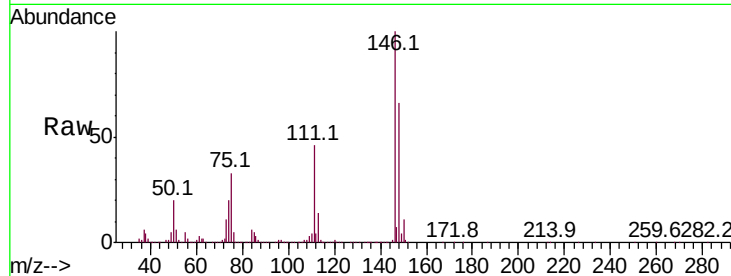
Tot Ion:146 Resp: 2391707

Ion Ratio Lower Upper

146 100

111 46.2 23.4 70.2

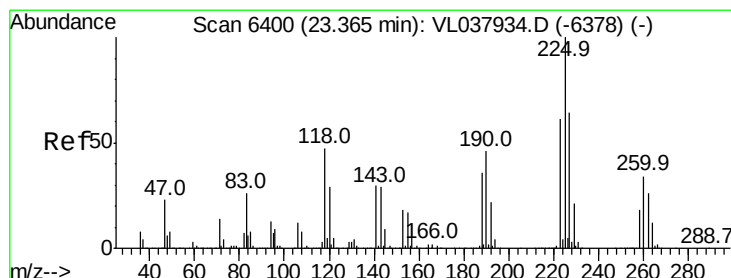
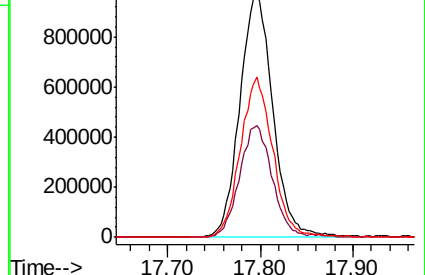
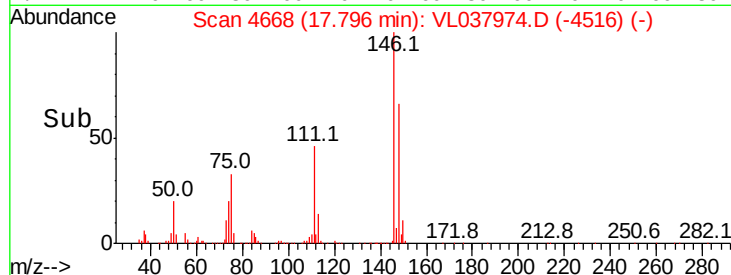
148 64.7 32.6 97.7



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: 8.005 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

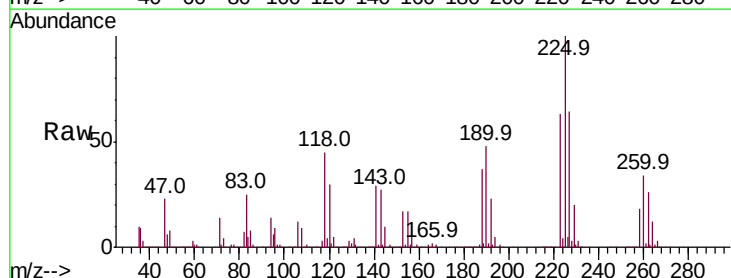
Tgt Ion:225 Resp: 2097197

Ion Ratio Lower Upper

225 100

223 63.4 50.0 75.0

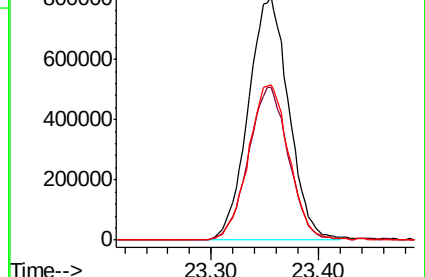
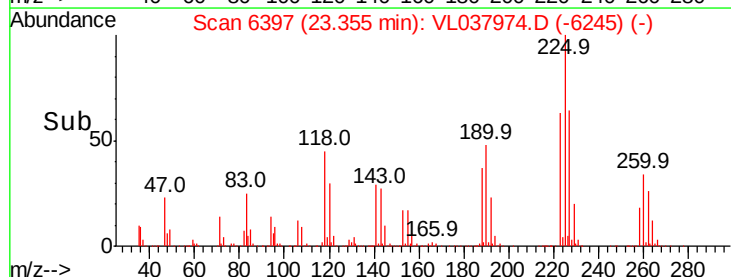
227 65.0 51.5 77.3

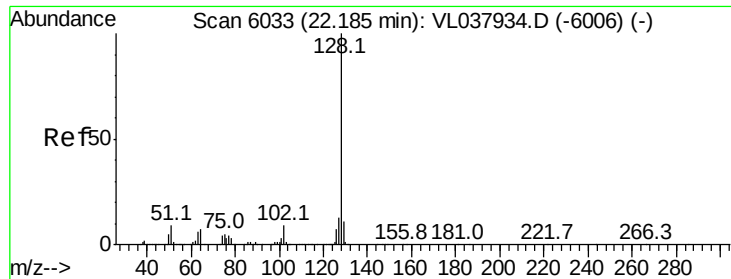


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.682 ppbv

RT: 22.17

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 19:30

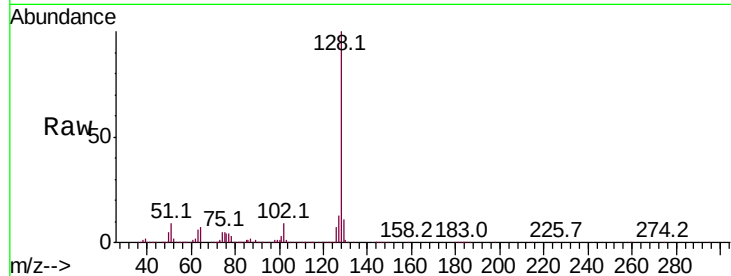
Tot Ion:128 Resp: 3825618

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

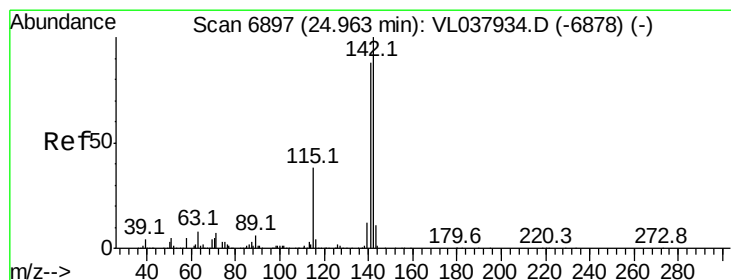
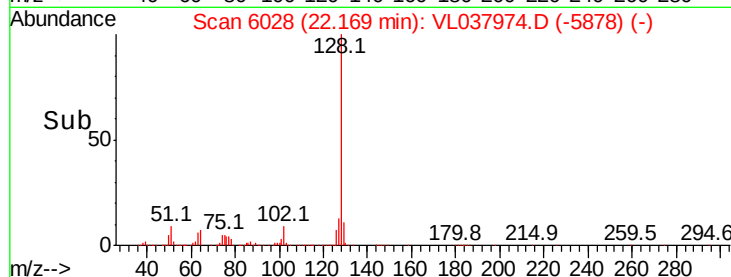
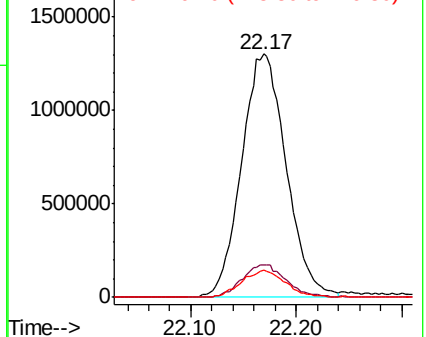
129 11.0 9.0 13.4



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: 13.742 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL037974.D

Acq: 2 Nov 2021 19:36

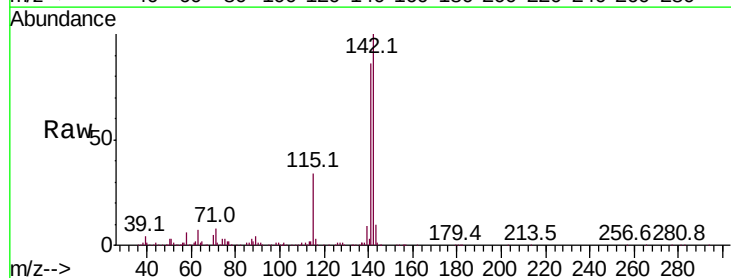
Tgt Ion:142 Resp: 806944

Ion Ratio Lower Upper

142 100

141 85.6 66.4 99.6

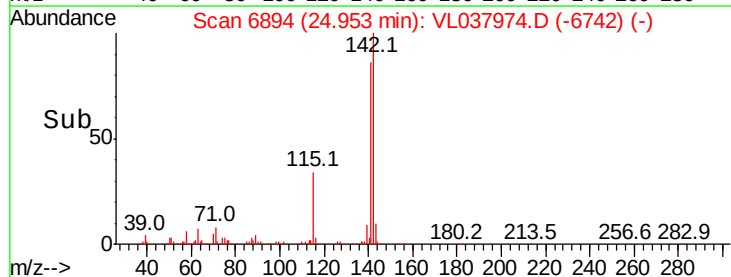
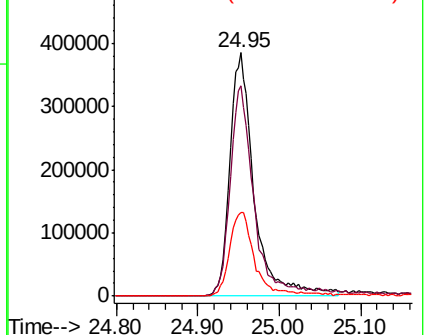
115 35.8 29.0 43.4

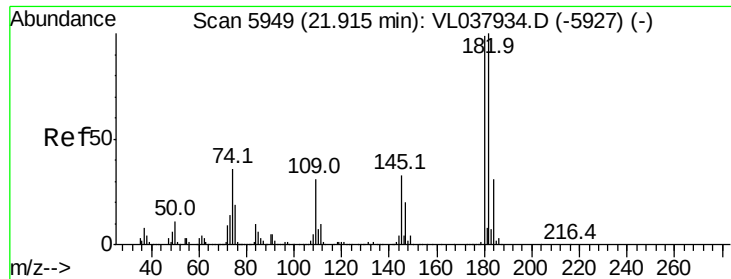


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

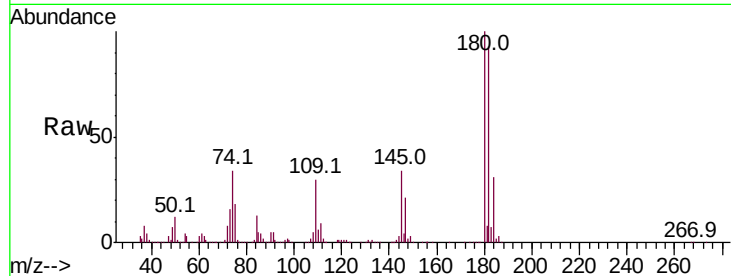
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.700 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL1102ABS02
 Acq: 2 Nov 2021 19:30

Tot Ion:180 Resp: 2100961
 Ion Ratio Lower Upper
 180 100
 182 96.3 79.3 118.9
 184 31.8 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

