

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110221\
 Data File : VL037965.D
 Acq On : 2 Nov 2021 11:40
 Operator : SY/AP
 Sample : VL1102ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1102ABS01

Quant Time: Nov 03 03:48:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1434355	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4194929	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	4708360	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2825172	8.25	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2035018	10.070 ppbv	97
3) Chlorodifluoromethane	2.99	51	2450724	9.178 ppbv	100
4) Chloromethane	3.14	50	931252	9.177 ppbv	98
5) Vinyl Chloride	3.25	62	943655	9.649 ppbv	100
6) Bromomethane	3.47	94	529080	10.014 ppbv	94
7) Chloroethane	3.56	64	331195	9.381 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2122847	9.119 ppbv	100
9) Propene	3.01	41	898207	9.382 ppbv	94
10) Heptane	8.11	43	2304376	10.346 ppbv	100
11) Trichlorofluoromethane	3.94	101	1944162	9.661 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1504311	9.590 ppbv	98
13) Ethanol	3.60	45	34575	3.580 ppbv #	13
14) Bromoethene	3.73	108	664253	9.680 ppbv	99
15) Acetone	3.84	43	1074511	9.066 ppbv	100
16) 1,3-Butadiene	3.32	39	915553	9.803 ppbv	99
17) tert-Butyl alcohol	4.28	59	1217897	9.882 ppbv	98
18) 1,1-Dichloroethene	4.28	96	654805	9.070 ppbv	99
19) Isopropyl Alcohol	3.95	45	697151	9.198 ppbv #	97
20) Methylene Chloride	4.33	84	555008	8.529 ppbv	94
21) Allyl Chloride	4.40	41	1108162	10.133 ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	710406	9.903 ppbv	92
23) Vinyl Acetate	5.06	43	1783825	9.995 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1409936	9.563 ppbv	99
25) Ethyl Acetate	5.66	43	3522030	10.005 ppbv	99
26) Hexane	5.67	57	1645201	9.864 ppbv	99
27) Carbon Disulfide	4.54	76	1728413	10.497 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1350733	9.633 ppbv	97
29) Chloroform	5.74	83	2326401	9.353 ppbv	99
30) Cyclohexane	7.11	84	1392402	9.766 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1517475	9.972 ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2244705	9.181 ppbv	99
34) 2-Butanone	5.23	43	1542454	9.923 ppbv	99
35) Carbon Tetrachloride	7.00	117	2337326	9.216 ppbv	97
36) Benzene	6.87	78	3411480	9.986 ppbv	100
37) 1,2-Dichloroethane	6.29	62	1582961	9.747 ppbv	99
38) Trichloroethene	7.82	130	1351271	9.530 ppbv	97
39) 1,2-Dichloropropane	7.60	63	1306090	10.161 ppbv	95
40) 1,4-Dioxane	7.82	88	284647	8.409 ppbv #	1
41) Tetrahydrofuran	6.03	42	789475	10.380 ppbv	100
42) Bromodichloromethane	7.77	83	2438889	9.932 ppbv	99
43) Methyl Methacrylate	8.00	69	1244229	11.096 ppbv	99

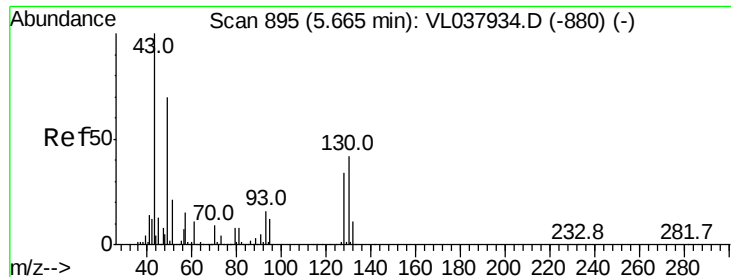
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110221\
 Data File : VL037965.D
 Acq On : 2 Nov 2021 11:40
 Operator : SY/AP
 Sample : VL1102ABS01
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Quant Time: Nov 03 03:48:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant 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	5796229	9.975	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1002035	12.162	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1323840	11.686	ppbv	96
47) 1,1,2-Trichloroethane	9.45	97	1388220	9.612	ppbv	99
48) Dibromochloromethane	10.29	129	2183499	10.678	ppbv	99
49) Bromoform	13.02	173	1766389	10.928	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2215262	10.847	ppbv	99
51) 2-Hexanone	10.12	43	954881	11.093	ppbv	97
52) Tetrachloroethene	11.20	164	1243156	9.593	ppbv	96
53) Toluene	9.79	91	3979265	10.865	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1961238	10.529	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1483100	7.802	ppbv #	59
57) Chlorobenzene	12.12	112	2900872	7.719	ppbv	96
58) Ethyl Benzene	12.69	91	5014243	8.708	ppbv	100
59) m/p-Xylene	12.97	91	4461004	8.717	ppbv #	36
60) o-Xylene	13.67	91	3940480	8.166	ppbv	99
61) Styrene	13.51	104	2230376	10.065	ppbv	99
62) Isopropylbenzene	14.64	105	5459429	7.991	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2889653	6.958	ppbv	98
64) n-propylbenzene	15.54	120	1473406	8.417	ppbv	98
65) tert-Butylbenzene	16.72	119	4764344	7.891	ppbv	100
66) Benzyl Chloride	16.96	91	301058	9.542	ppbv	99
67) sec-Butylbenzene	17.27	105	6604482	7.939	ppbv	100
69) p-Isopropyltoluene	17.63	119	5448355	8.165	ppbv	99
70) n-Butylbenzene	18.53	91	5251184	8.564	ppbv	99
71) 2-Chlorotoluene	15.43	91	4043054	8.446	ppbv	100
72) 4-Ethyltoluene	15.82	105	4794950	8.674	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4228680	8.169	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4349556	8.020	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2639919	7.818	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2551011	7.808	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2479089	7.819	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1825495	6.727	ppbv	98
79) Naphthalene	22.16	128	3204403	10.255	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	814432	13.390	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1821090	8.954	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: VL1102ABS01

Acq: 2 Nov 2021 11:40

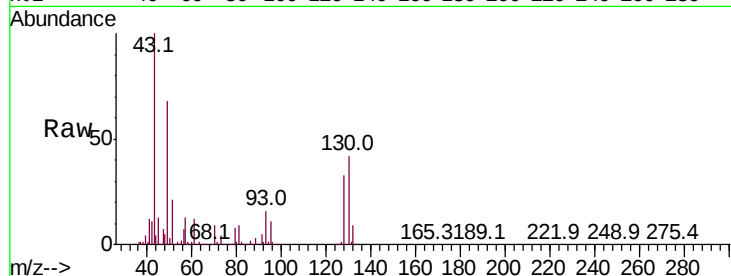
Tot Ion: 49 Resp: 1434355

Ion Ratio Lower Upper

49 100

128 54.0 27.0 81.0

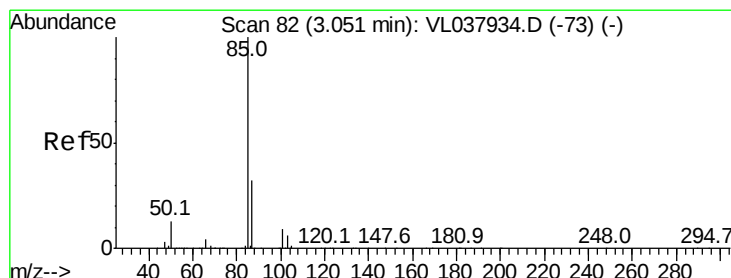
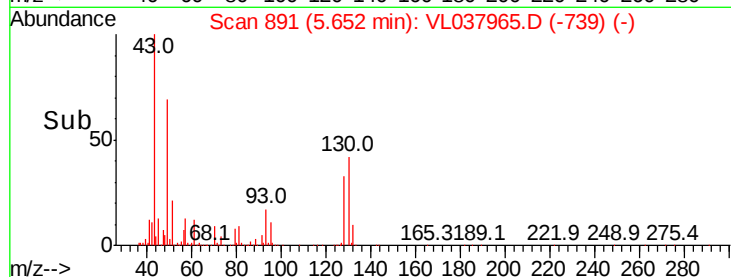
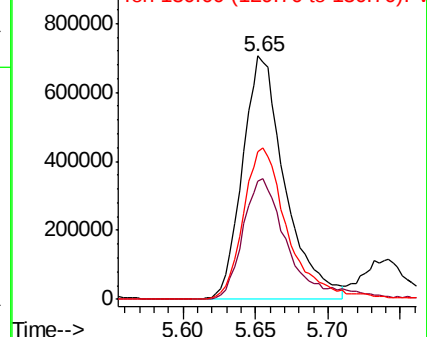
130 66.7 33.4 100.2



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: 10.070 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037965.D

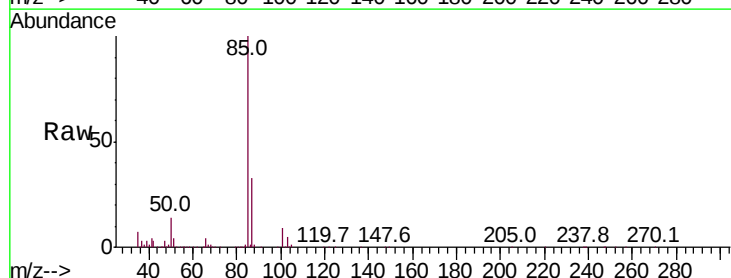
Acq: 2 Nov 2021 11:40

Tgt Ion: 85 Resp: 2035018

Ion Ratio Lower Upper

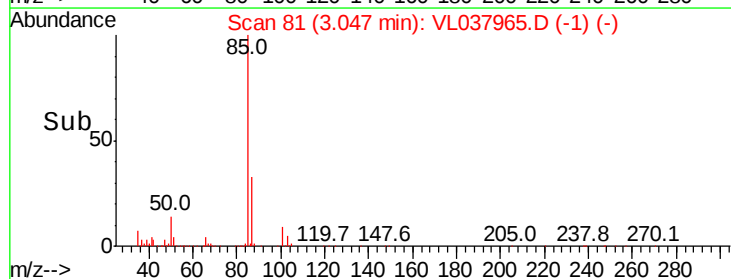
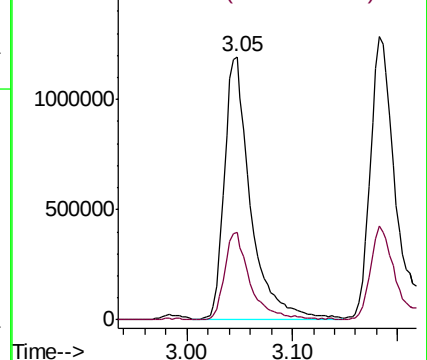
85 100

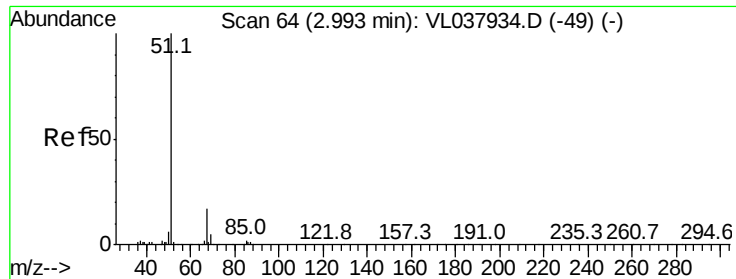
87 33.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.178 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

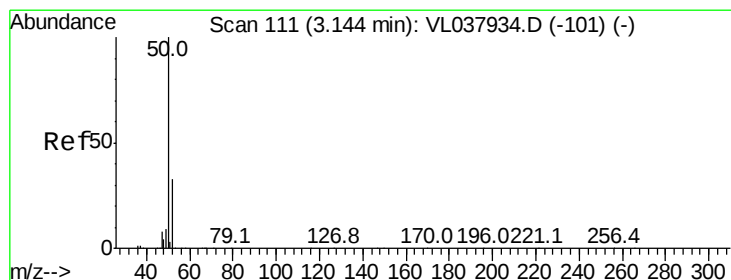
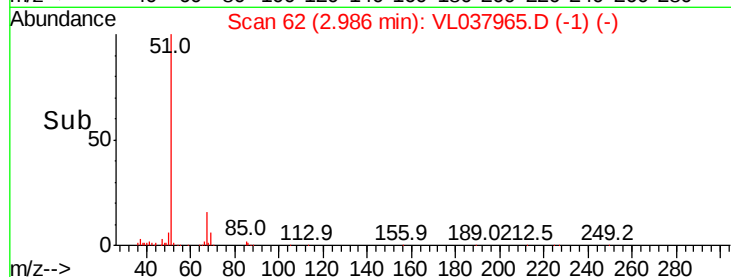
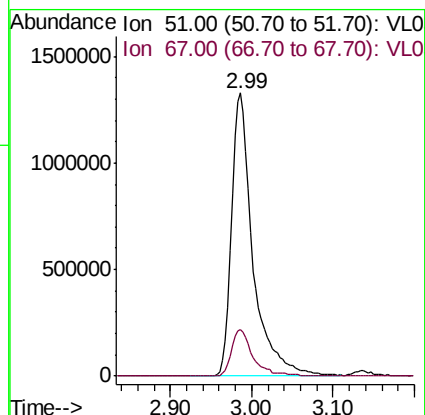
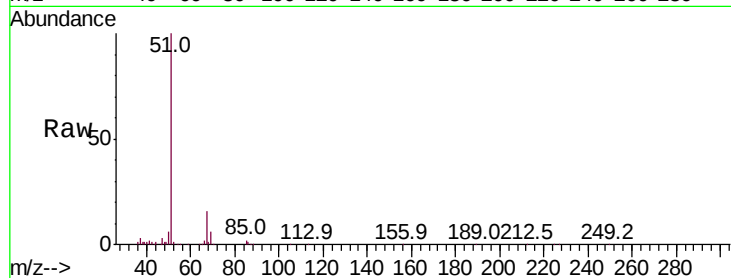
Acq: 2 Nov 2021 11:40

Tot Ion: 51 Resp: 2450724

Ion Ratio Lower Upper

51 100

67 16.8 13.4 20.0



#4

Chloromethane

Concen: 9.177 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037965.D

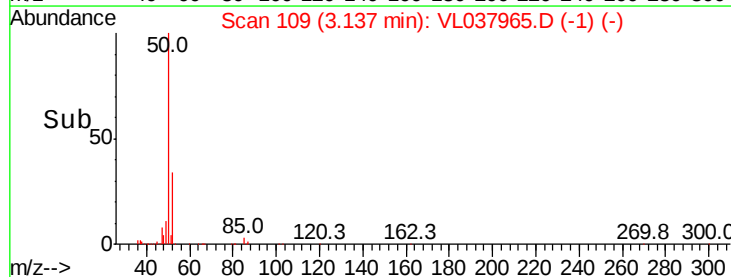
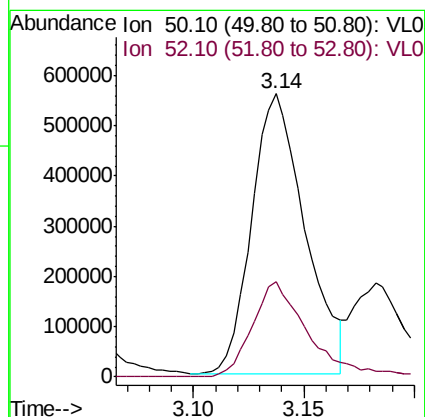
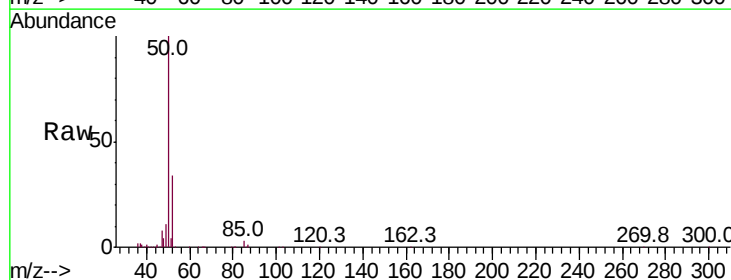
Acq: 2 Nov 2021 11:40

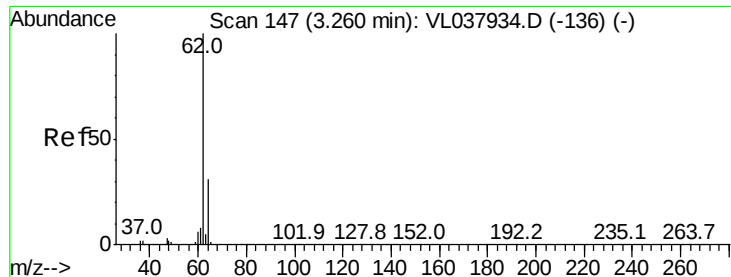
Tgt Ion: 50 Resp: 931252

Ion Ratio Lower Upper

50 100

52 34.3 26.3 39.5





#5

Vinyl Chloride

Concen: 9.649 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

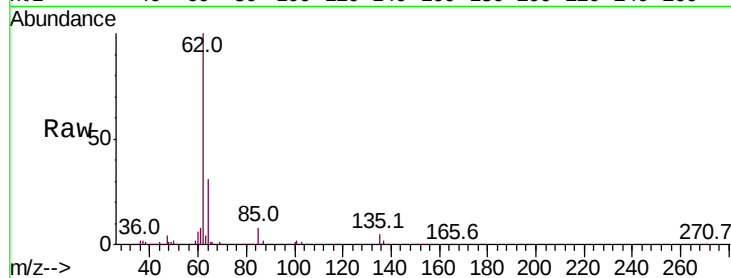
Acq: 2 Nov 2021 11:40

Tot Ion: 62 Resp: 943655

Ion Ratio Lower Upper

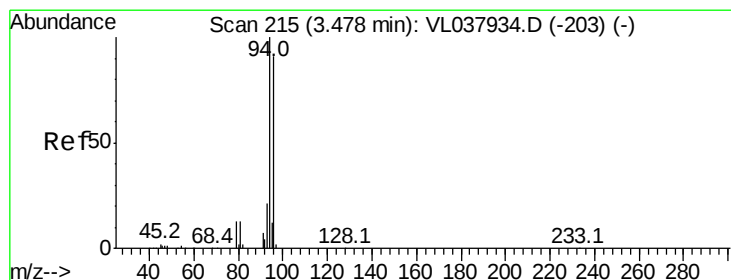
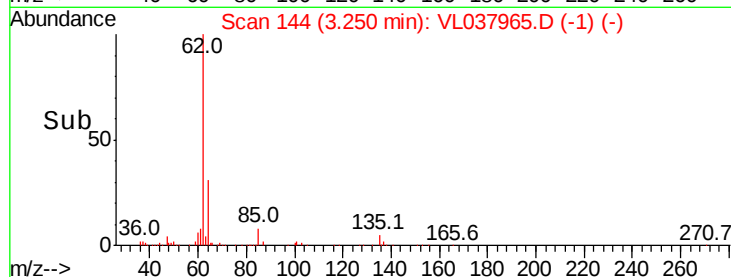
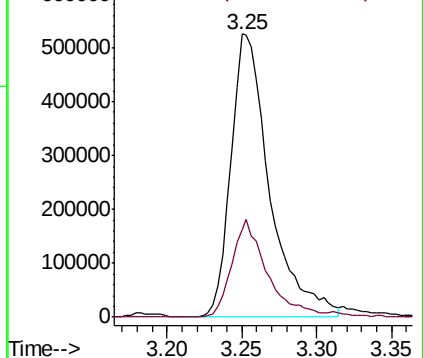
62 100

64 30.8 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.014 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037965.D

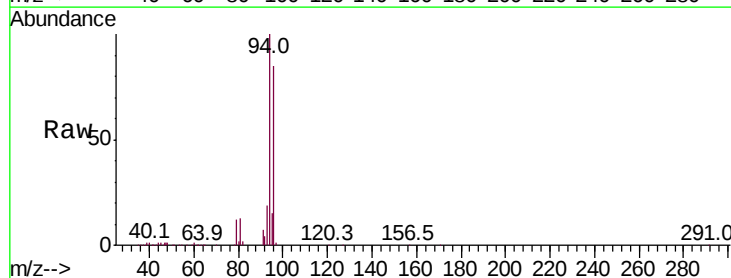
Acq: 2 Nov 2021 11:40

Tgt Ion: 94 Resp: 529080

Ion Ratio Lower Upper

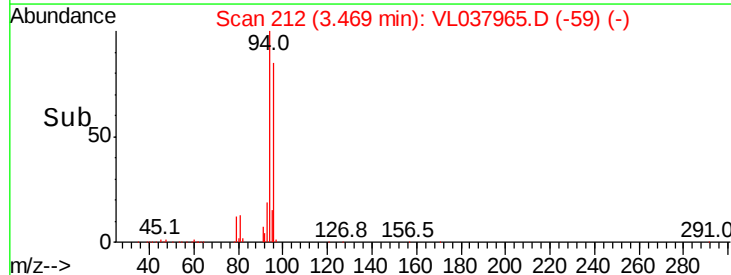
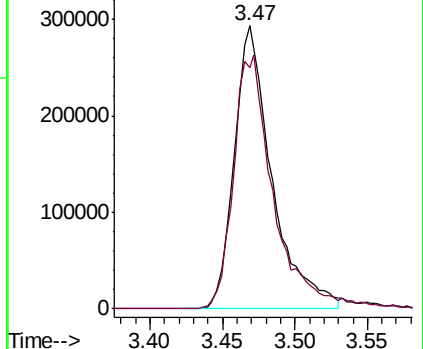
94 100

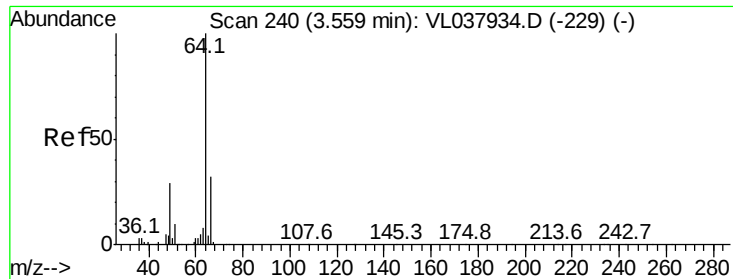
96 85.2 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.381 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1102ABS01

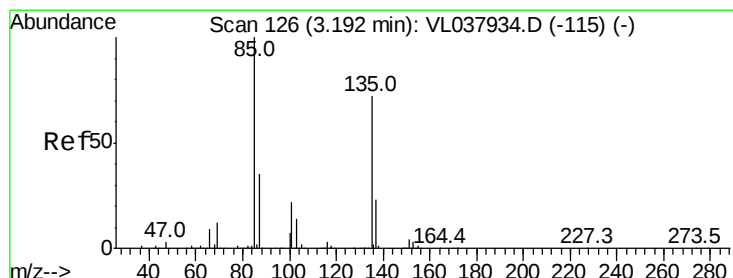
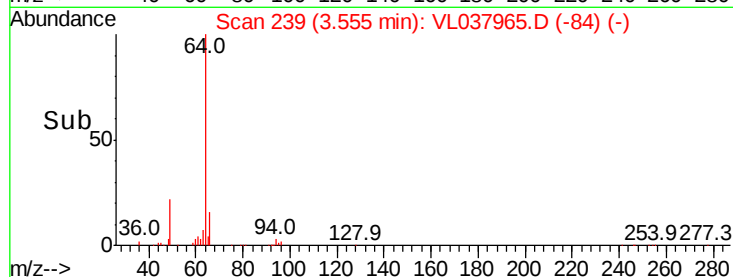
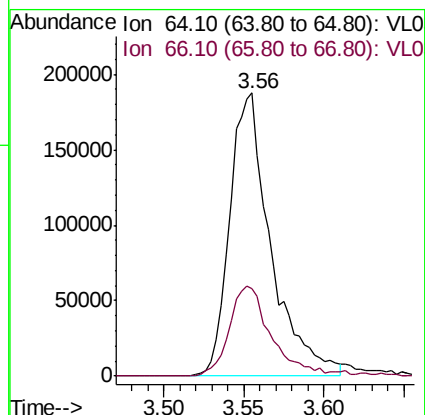
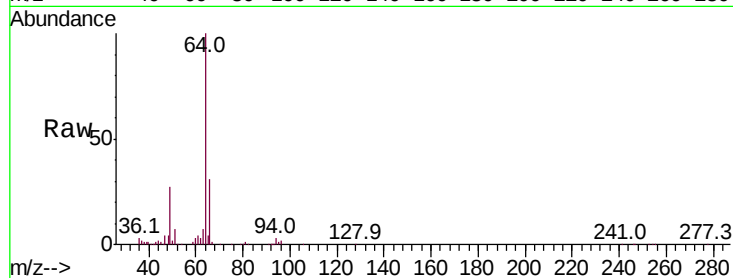
Acq: 2 Nov 2021 11:40

Tot Ion: 64 Resp: 331195

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 9.119 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037965.D

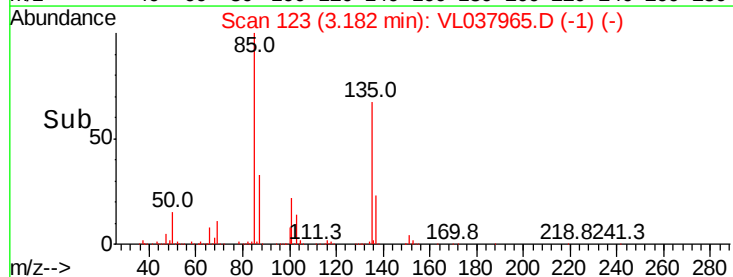
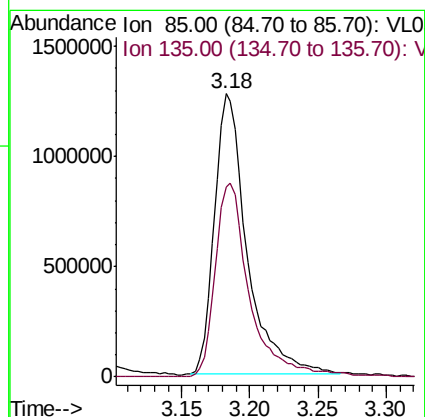
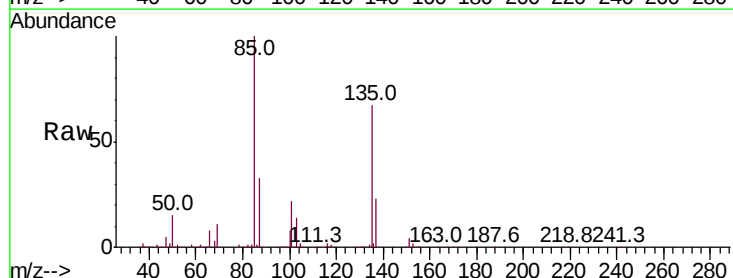
Acq: 2 Nov 2021 11:40

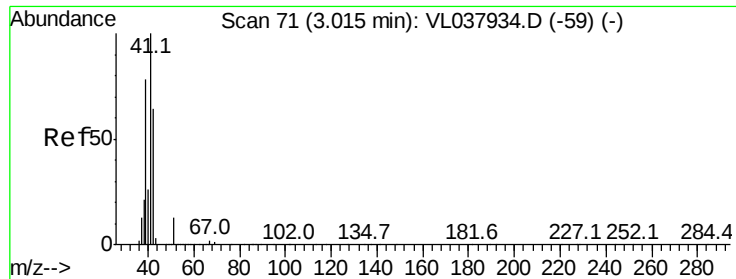
Tgt Ion: 85 Resp: 2122847

Ion Ratio Lower Upper

85 100

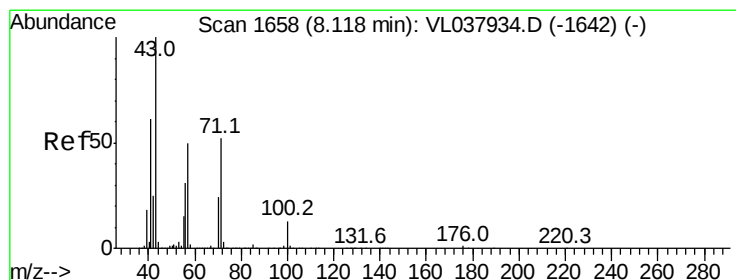
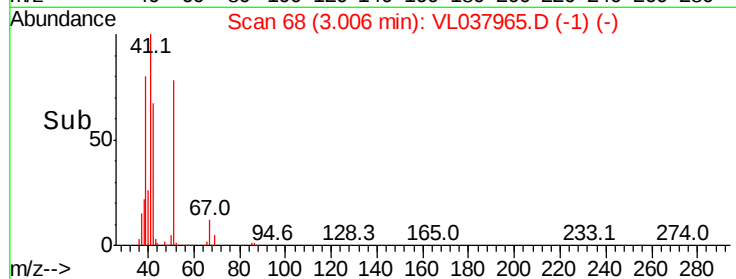
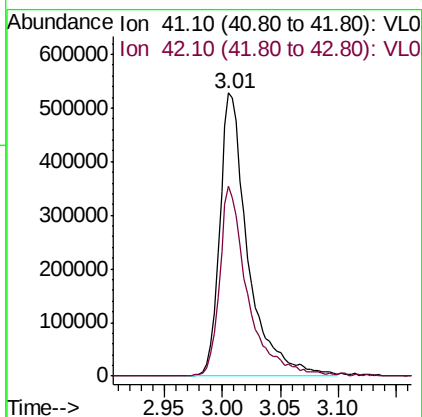
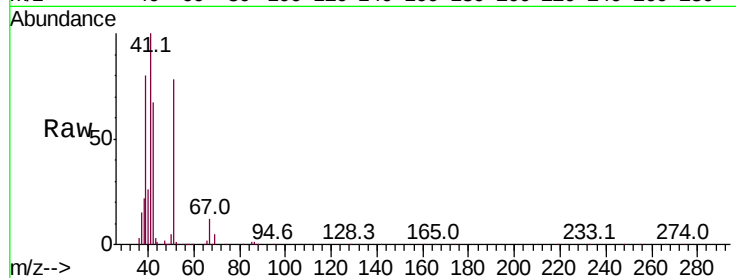
135 73.8 58.8 88.2





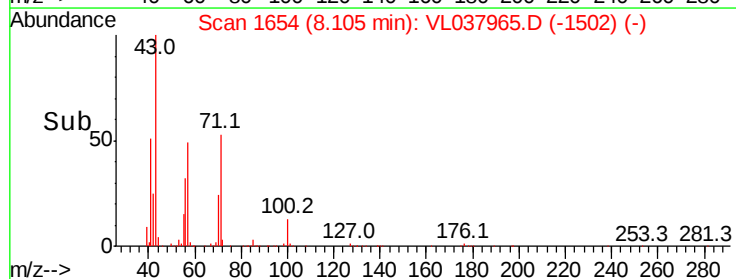
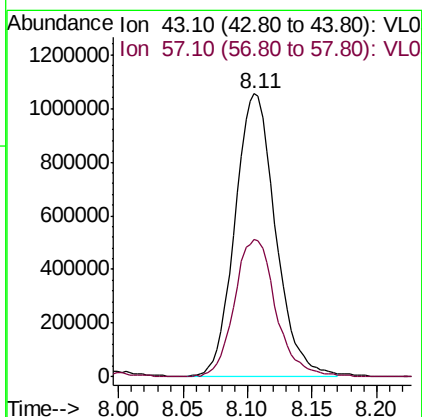
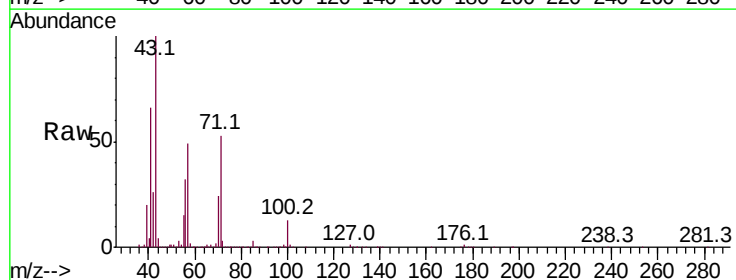
#9
 Propene
 Concen: 9.382 ppbv
 RT: 3.01
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL1102ABS01
 Acq: 2 Nov 2021 11:40

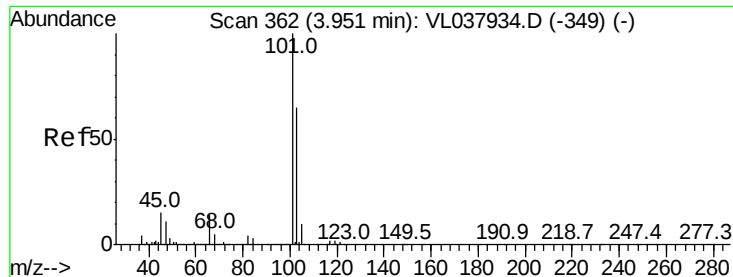
Tot Ion: 41 Resp: 898207
 Ion Ratio Lower Upper
 41 100
 42 66.9 57.6 86.4



#10
 Heptane
 Concen: 10.346 ppbv
 RT: 8.11 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

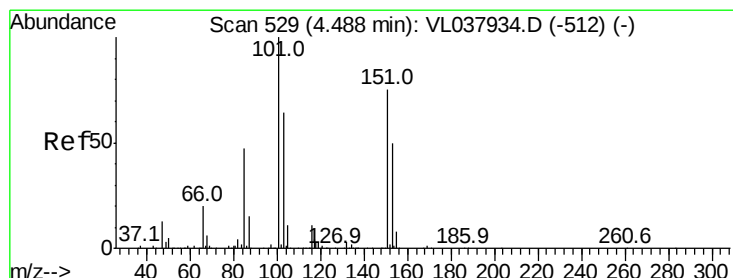
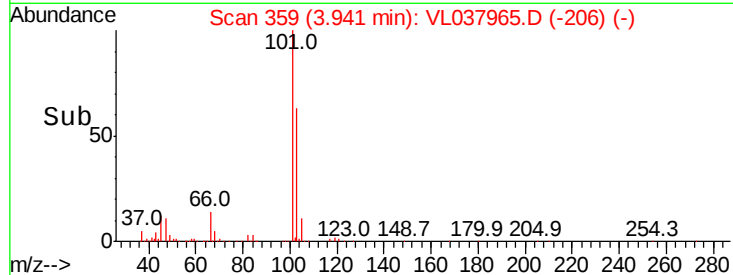
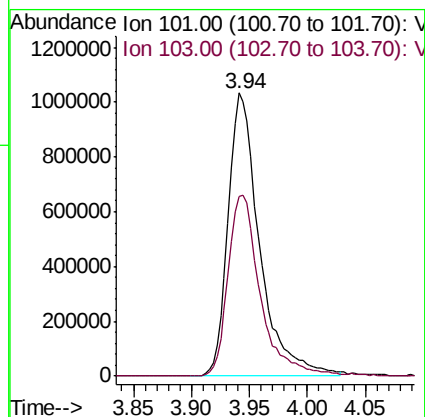
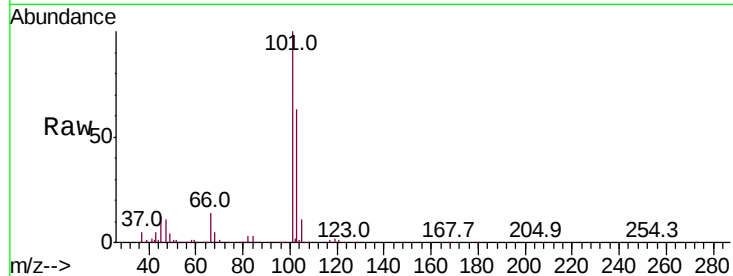
Tgt Ion: 43 Resp: 2304376
 Ion Ratio Lower Upper
 43 100
 57 49.7 39.8 59.8





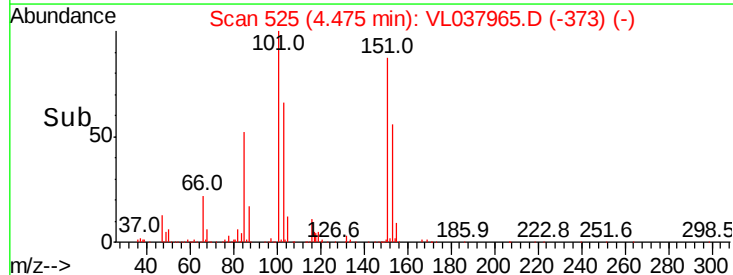
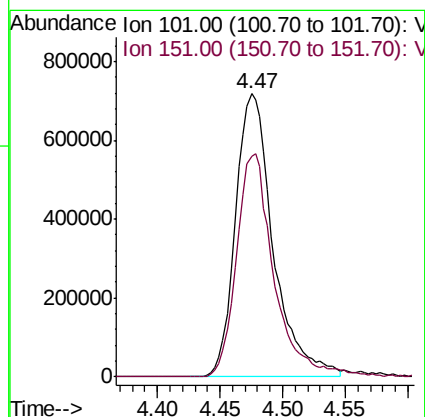
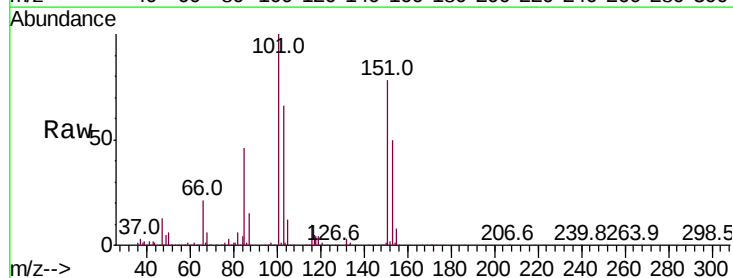
#11
 Trichlorofluoromethane
 Concen: 9.661 ppbv
 RT: 3.94
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1102ABS01
 Acq: 2 Nov 2021 11:40

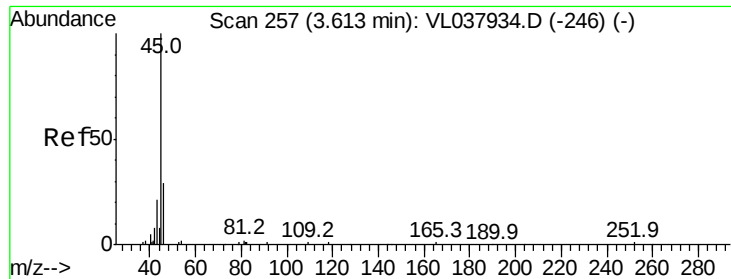
Tot Ion:101 Resp: 1944162
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.590 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

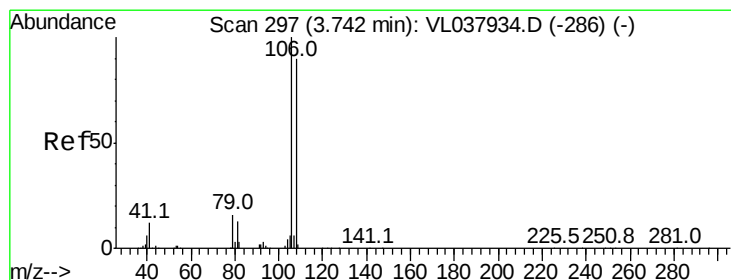
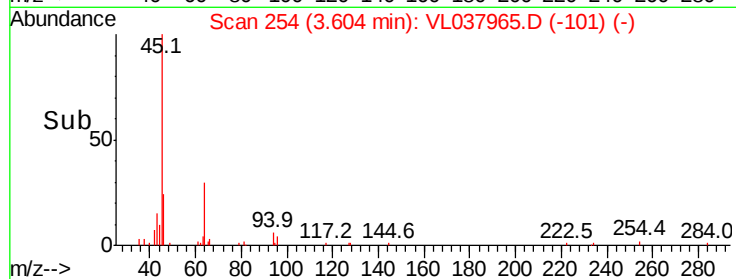
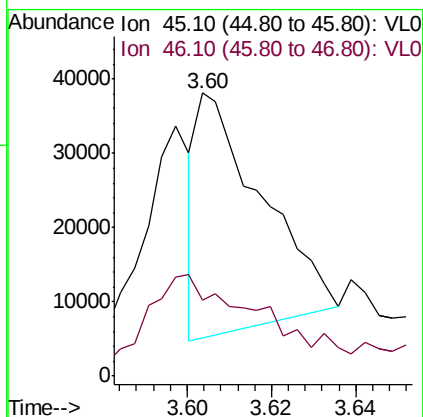
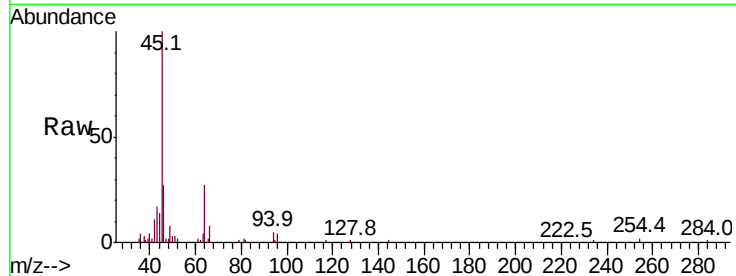
Tgt Ion:101 Resp: 1504311
 Ion Ratio Lower Upper
 101 100
 151 79.1 61.8 92.8





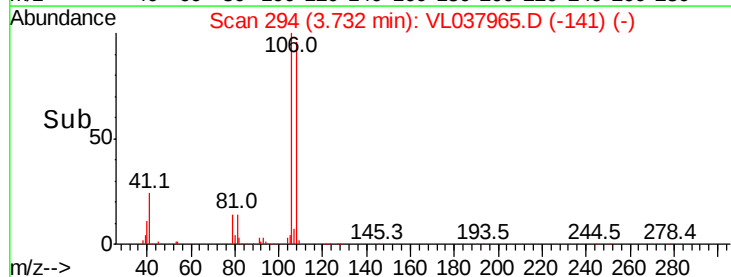
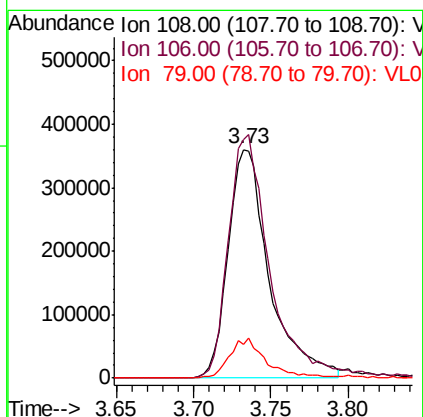
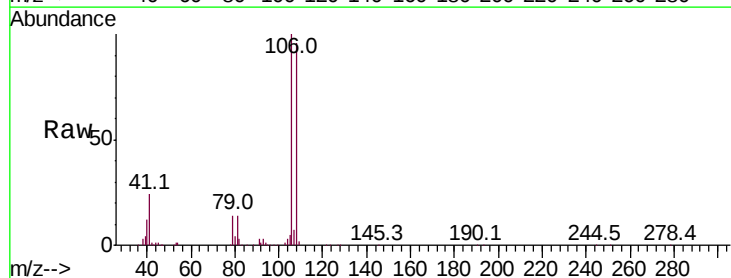
#13
 Ethanol
 Concen: 3.580 ppbv
 RT: 3.60
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL1102ABS01
 Acq: 2 Nov 2021 11:40

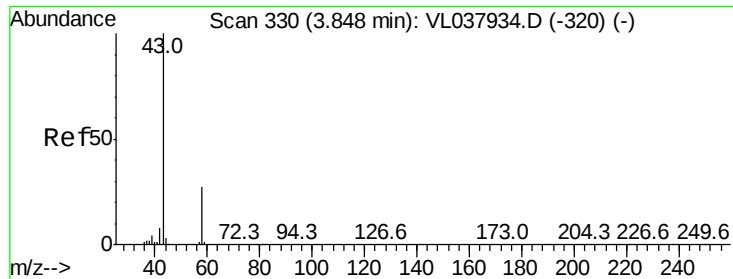
Tot Ion: 45 Resp: 34575
 Ion Ratio Lower Upper
 45 100
 46 99.7 17.4 69.8#



#14
 Bromoethene
 Concen: 9.680 ppbv
 RT: 3.73 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

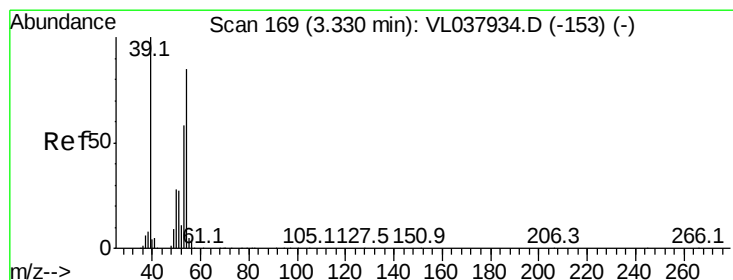
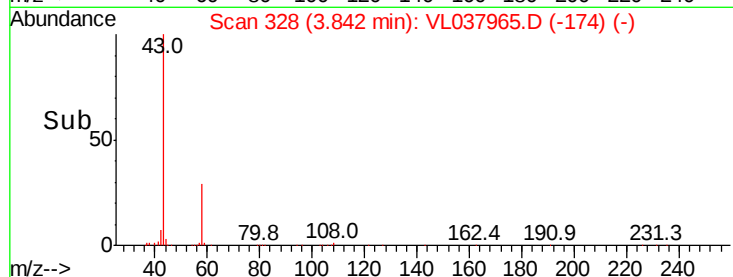
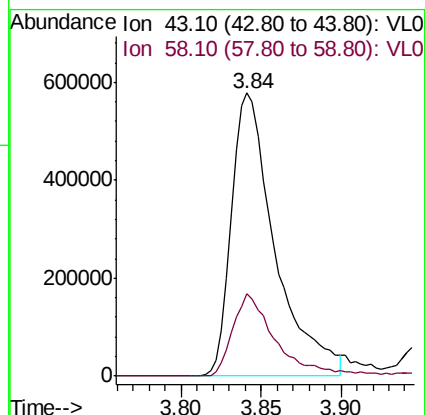
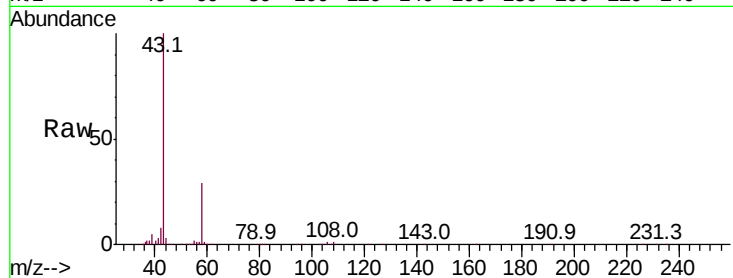
Tgt Ion:108 Resp: 664253
 Ion Ratio Lower Upper
 108 100
 106 109.5 88.4 132.6
 79 16.3 12.4 18.6





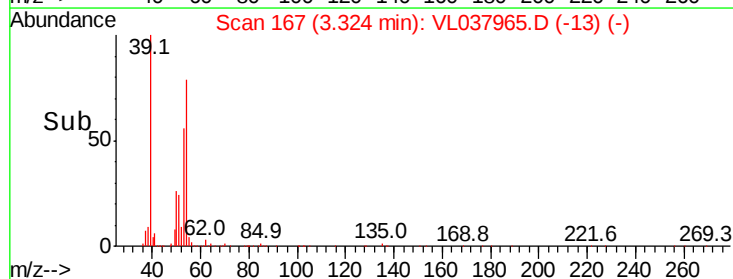
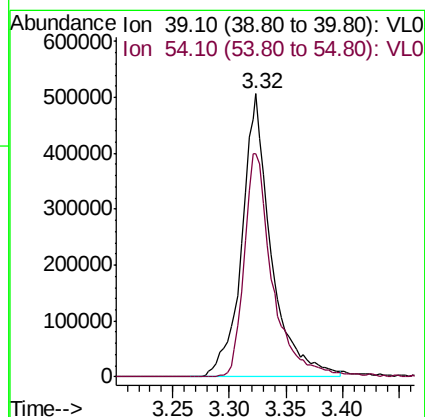
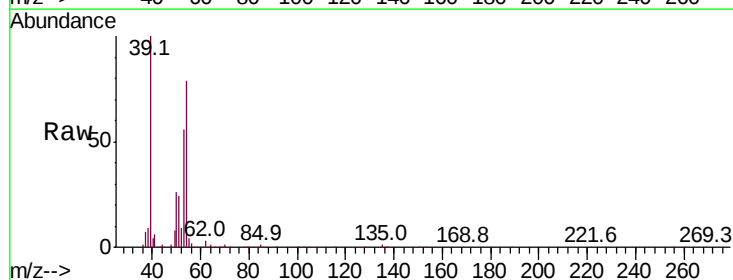
#15
Acetone
Concen: 9.066 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

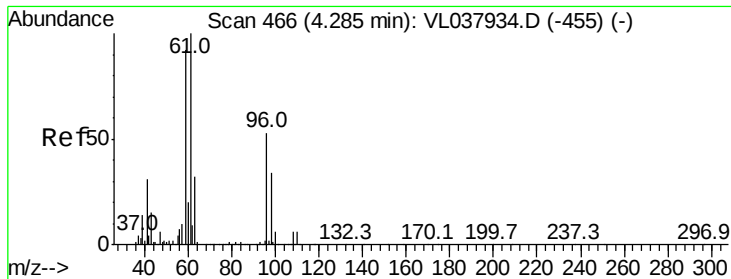
Tot Ion: 43 Resp: 1074511
Ion Ratio Lower Upper
43 100
58 29.0 23.3 34.9



#16
1,3-Butadiene
Concen: 9.803 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion: 39 Resp: 915553
Ion Ratio Lower Upper
39 100
54 77.2 62.6 93.8





#17

tert-Butyl alcohol

Concen: 9.882 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1102ABS01

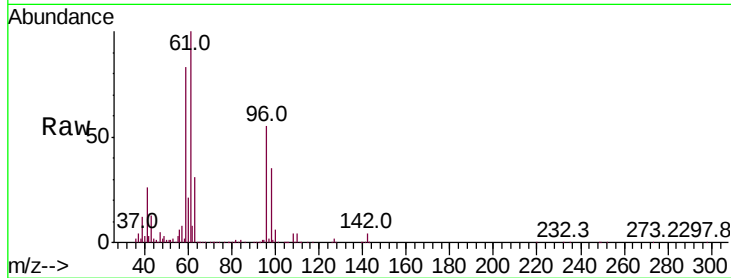
Acq: 2 Nov 2021 11:40

Tot Ion: 59 Resp: 1217897

Ion Ratio Lower Upper

59 100

57 10.2 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

600000

500000

400000

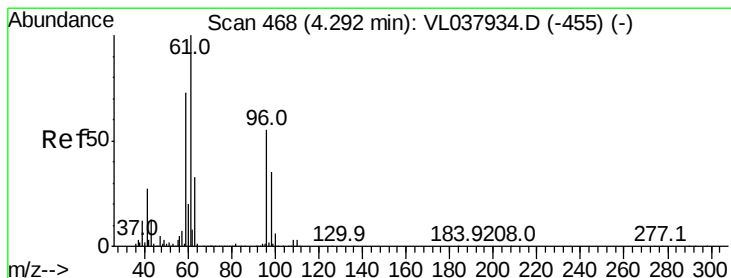
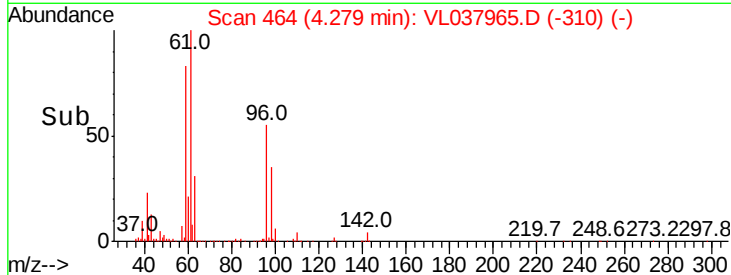
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.070 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

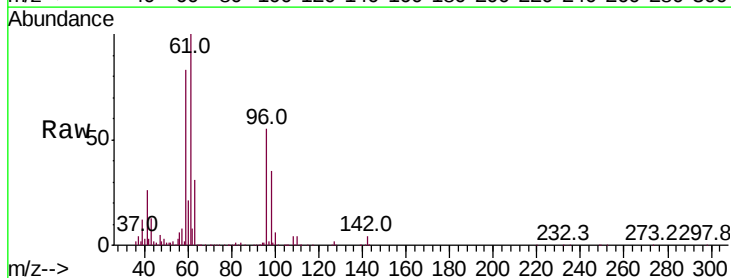
Tgt Ion: 96 Resp: 654805

Ion Ratio Lower Upper

96 100

61 181.8 144.3 216.5

98 64.0 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

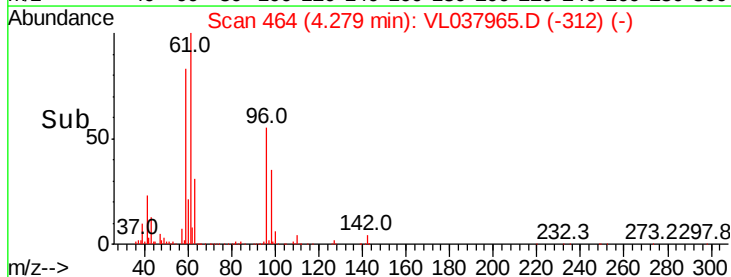
600000

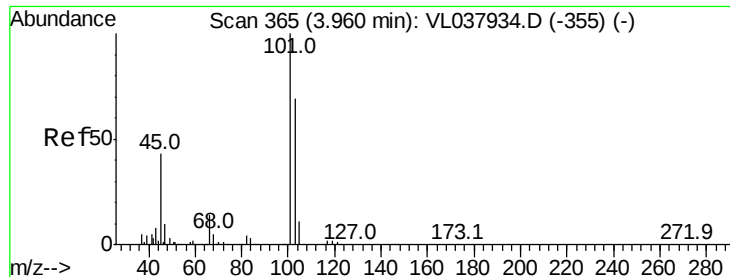
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.198 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1102ABS01

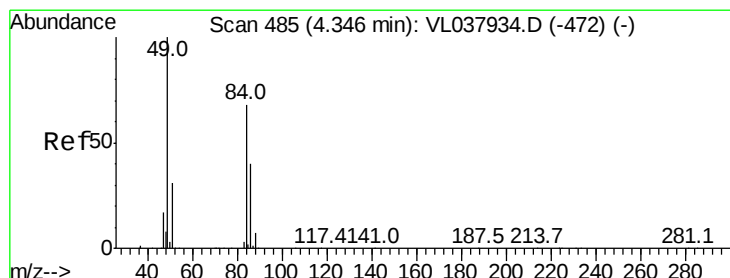
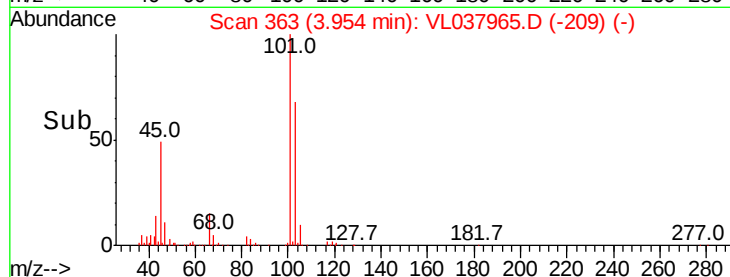
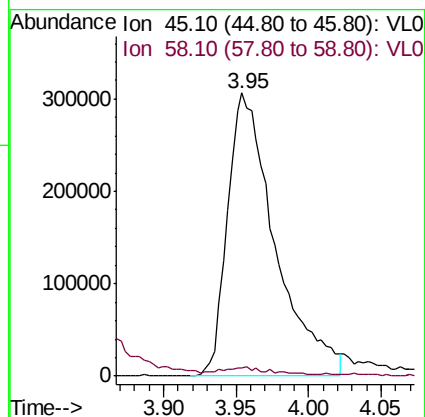
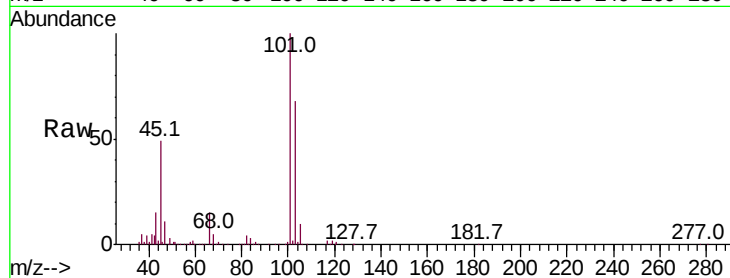
Acq: 2 Nov 2021 11:40

Tot Ion: 45 Resp: 697151

Ion Ratio Lower Upper

45 100

58 3.9 4.0 6.0#



#20

Methylene Chloride

Concen: 8.529 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

Tgt Ion: 84 Resp: 555008

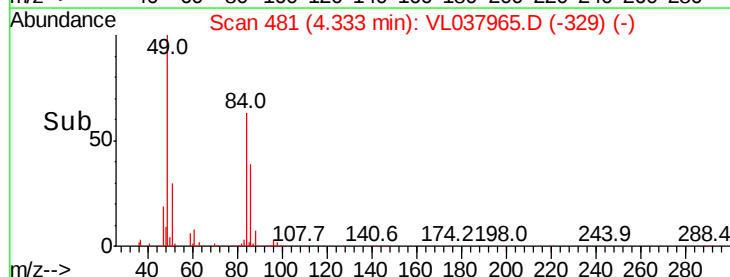
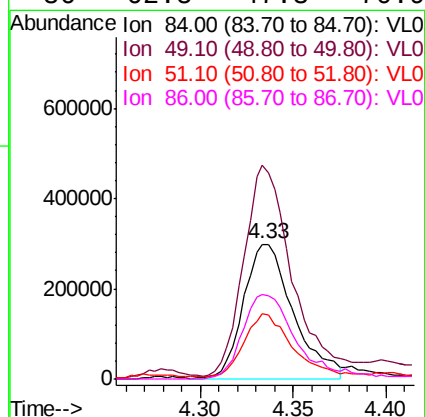
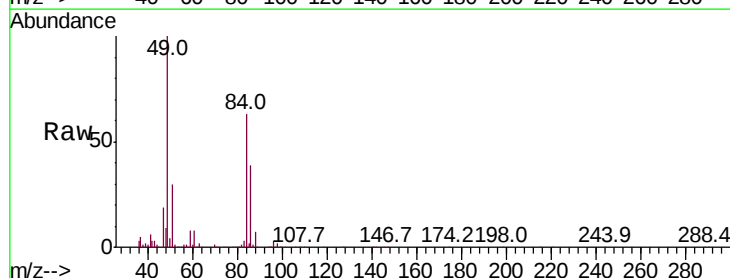
Ion Ratio Lower Upper

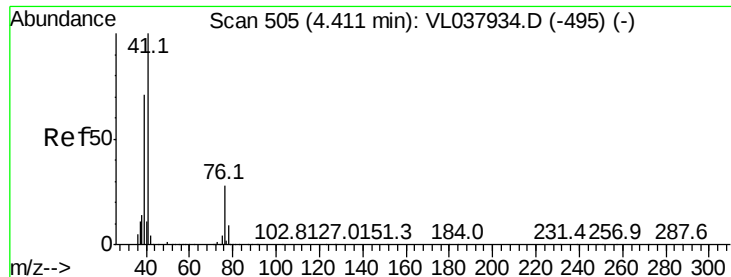
84 100

49 155.9 117.5 176.3

51 46.1 35.9 53.9

86 62.5 47.3 70.9

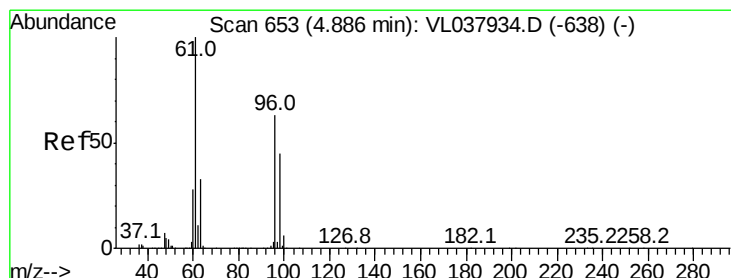
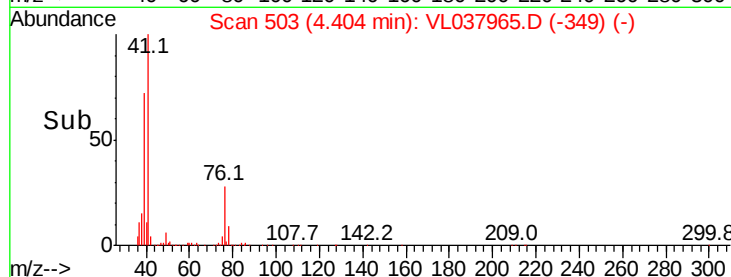
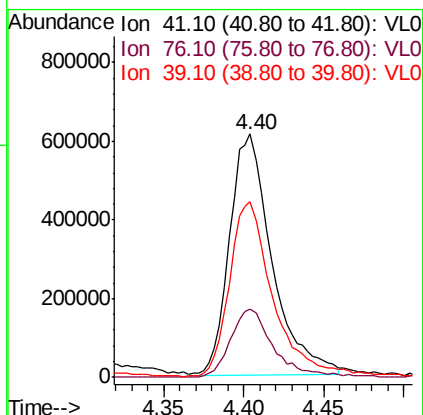
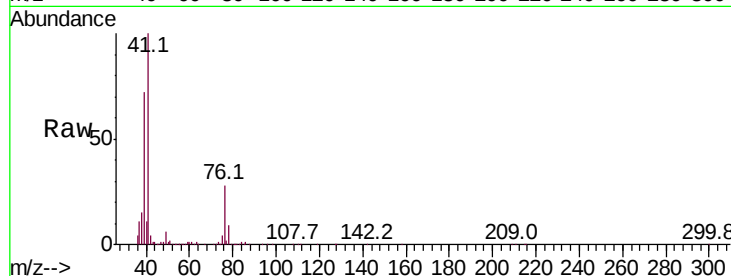




#21
Allvl Chloride
Concen: 10.133 ppbv
RT: 4.40
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

Tot Ion: 41 Resp: 1108162

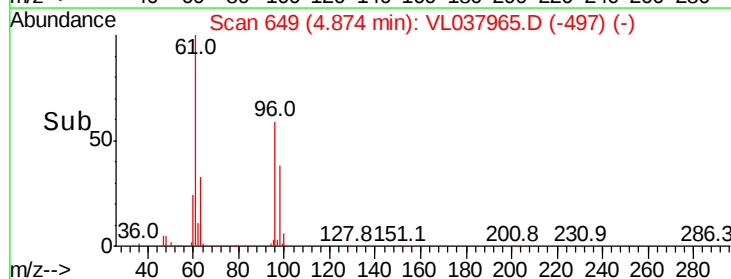
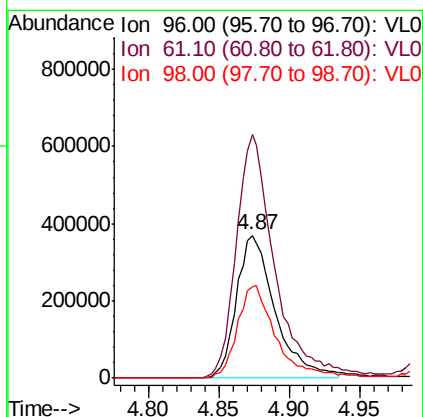
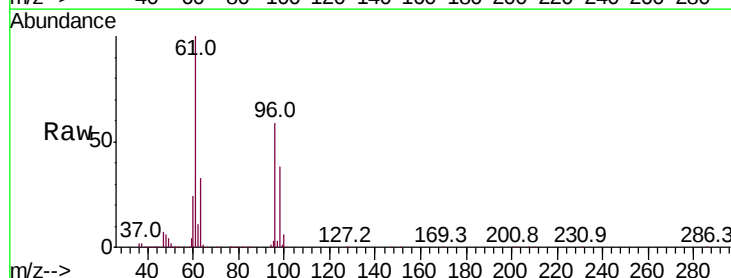
Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.6	35.4
39	74.8	59.7	89.5

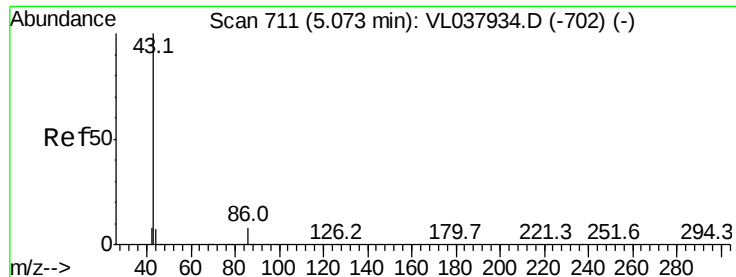


#22
trans-1,2-Dichloroethene
Concen: 9.903 ppbv
RT: 4.87 min Scan# 649
Delta R.T.: -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion: 96 Resp: 710406

Ion	Ratio	Lower	Upper
96	100		
61	170.4	127.8	191.6
98	64.0	56.9	85.3





#23

Vinyl Acetate

Concen: 9.995 ppbv

RT: 5.06 Instrument: MSVOA_1

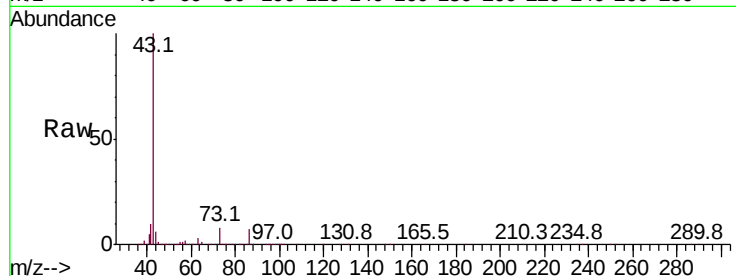
Delta R.T. ClientSampleId:

Lab File: VL1102ABS01

Acq: 2 Nov 2021 11:40

Tot Ion: 43 Resp: 1783825

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.5	8.3
42	9.5	7.4	11.2
44	5.5	4.7	7.1

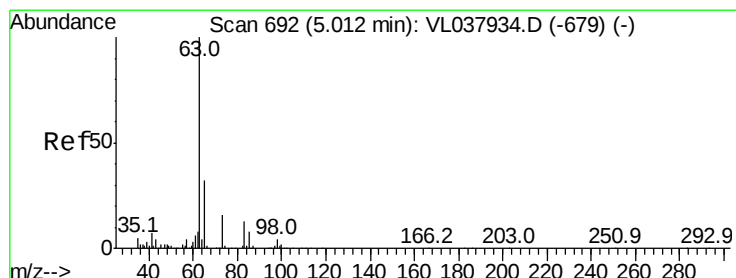
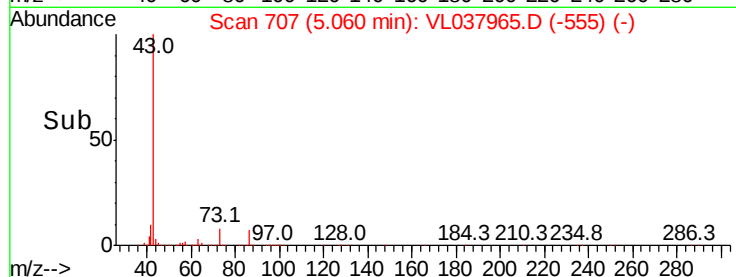
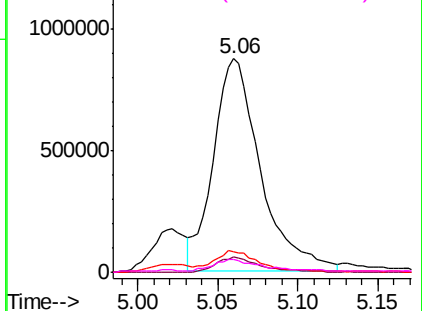


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.563 ppbv

RT: 5.00 min Scan# 688

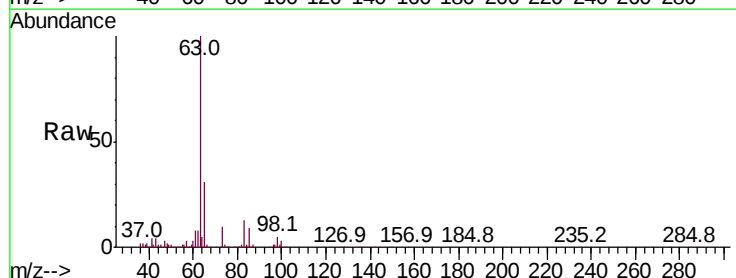
Delta R.T. -0.01 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

Tgt Ion: 63 Resp: 1409936

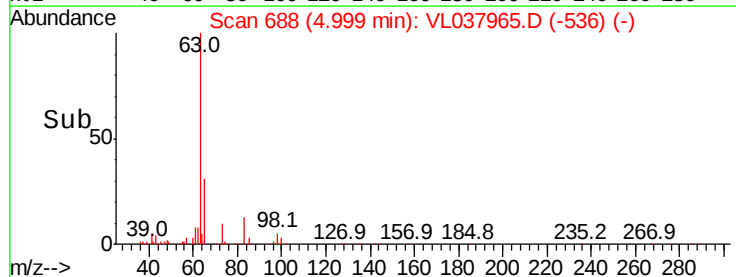
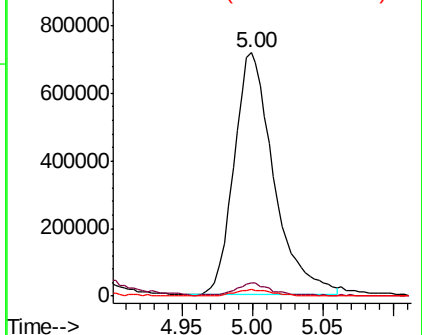
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.9
100	3.0	1.2	3.6

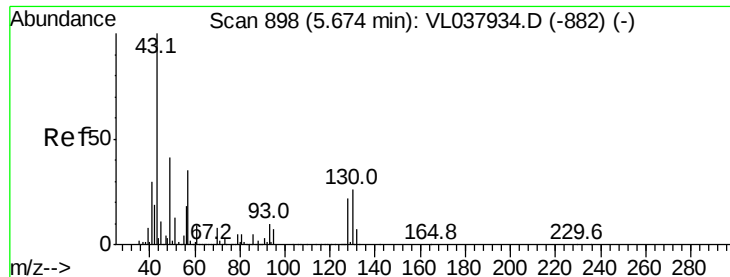


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

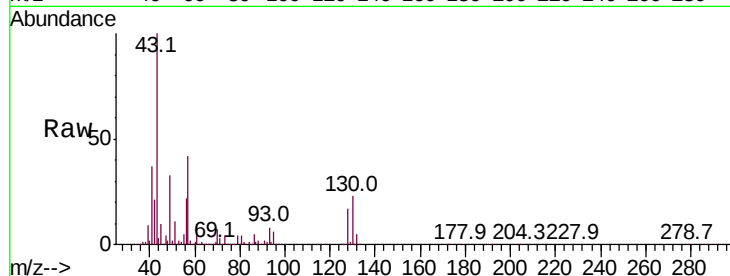




#25
Ethyl Acetate
Concen: 10.005 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

Tot Ion: 43 Resp: 3522030

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.5	8.1	12.1
70	7.0	5.8	8.6



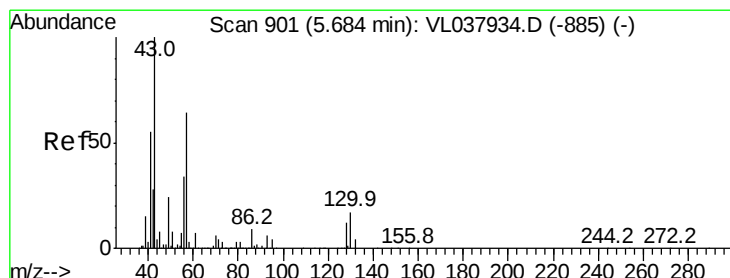
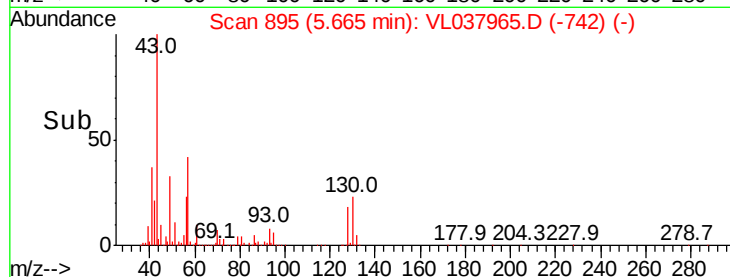
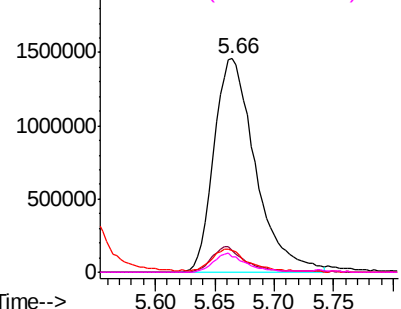
Abundance

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

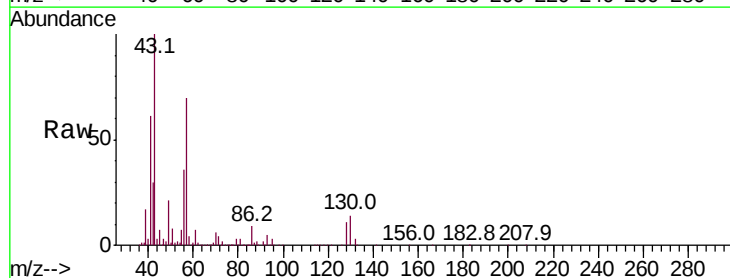
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.864 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion: 57 Resp: 1645201

Ion	Ratio	Lower	Upper
57	100		
41	89.7	71.0	106.6
43	218.6	173.0	259.6
56	54.5	43.6	65.4



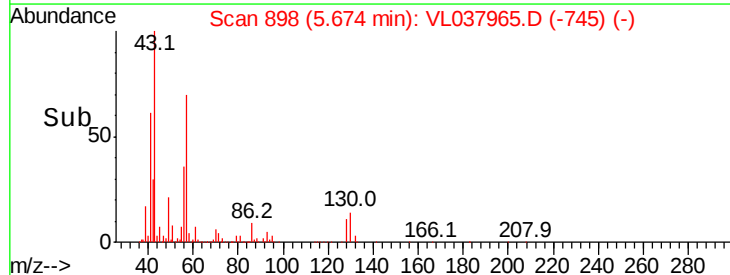
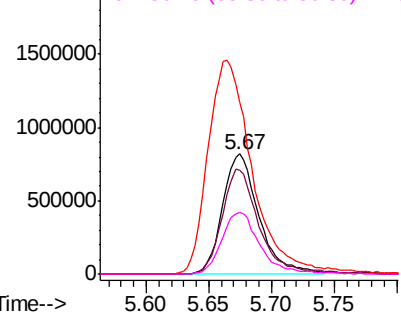
Abundance

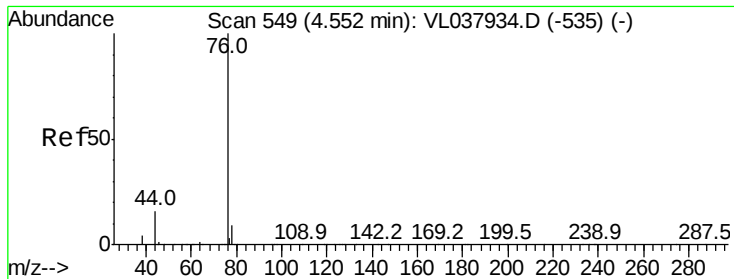
Ion 57.10 (56.80 to 57.80): VL0

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: 10.497 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 2 Nov 2021 11:40

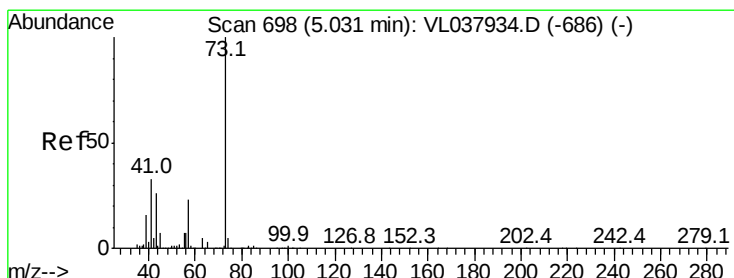
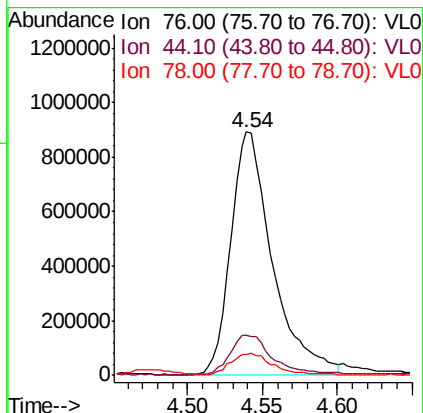
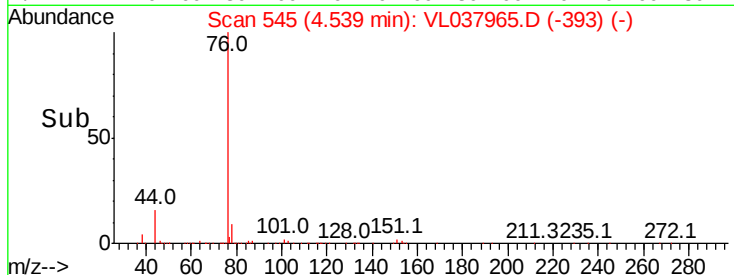
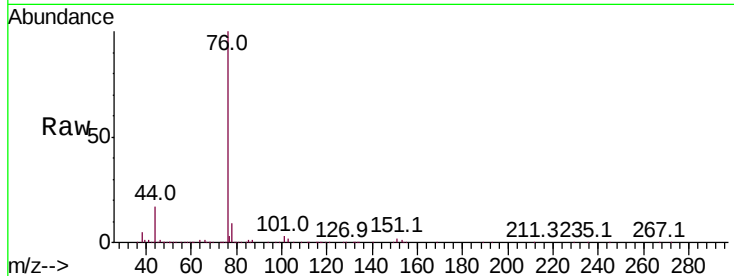
Tot Ion: 76 Resp: 1728413

Ion Ratio Lower Upper

76 100

44 17.3 13.2 19.8

78 10.1 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.633 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL037965.D

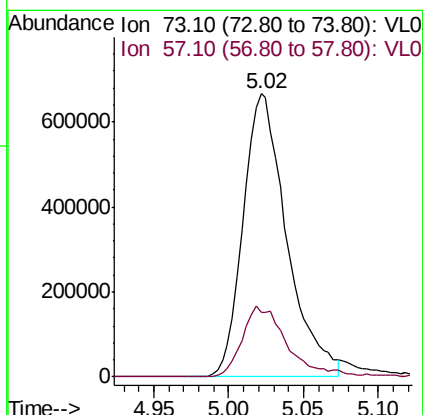
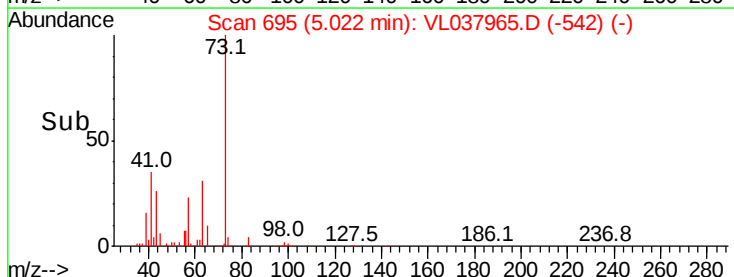
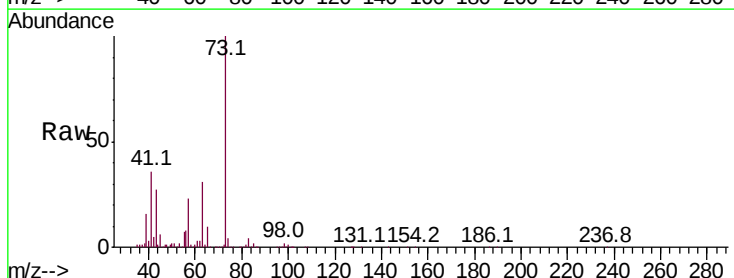
Acq: 2 Nov 2021 11:40

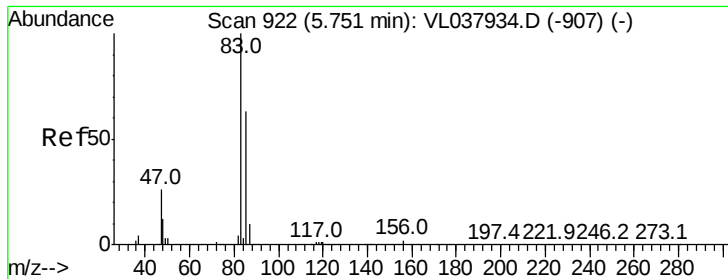
Tgt Ion: 73 Resp: 1350733

Ion Ratio Lower Upper

73 100

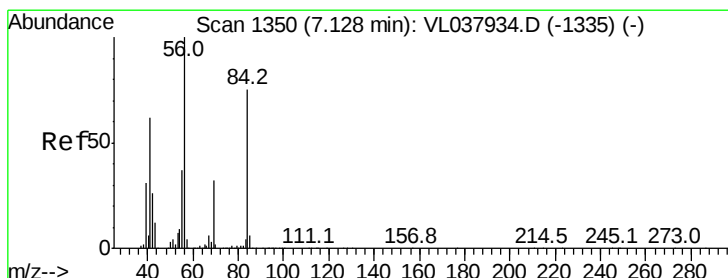
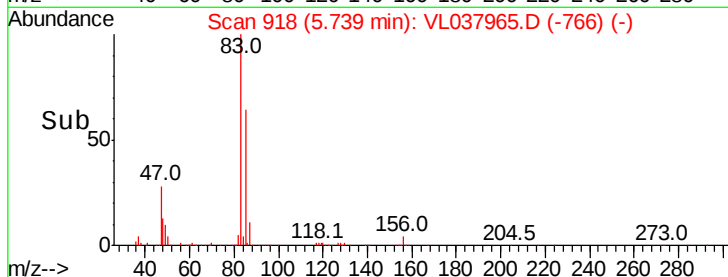
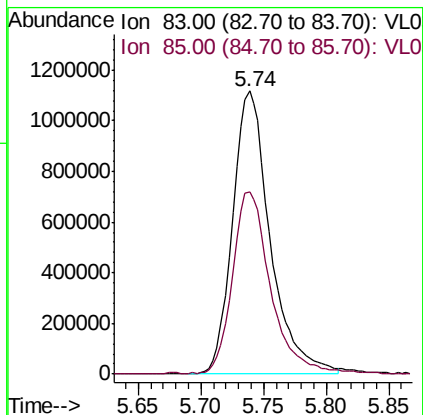
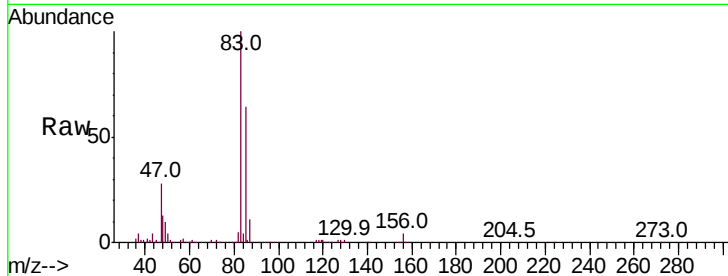
57 26.4 20.1 30.1





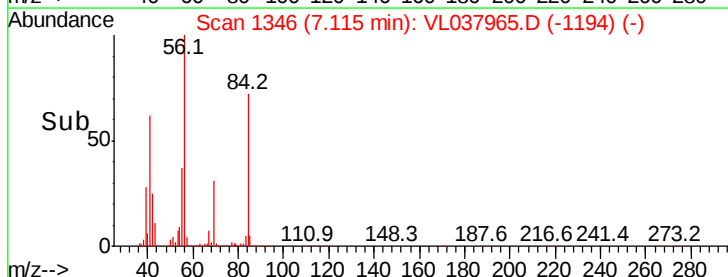
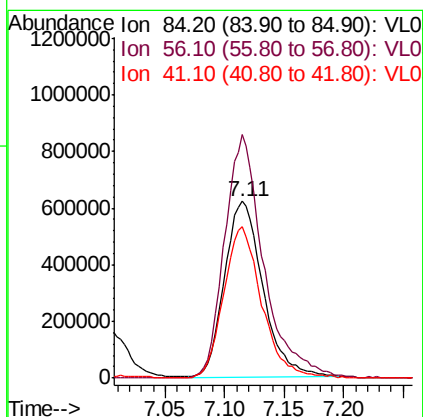
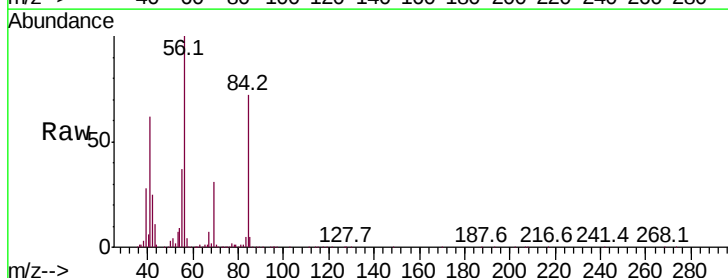
#29
Chloroform
Concen: 9.353 ppbv
RT: 5.74
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

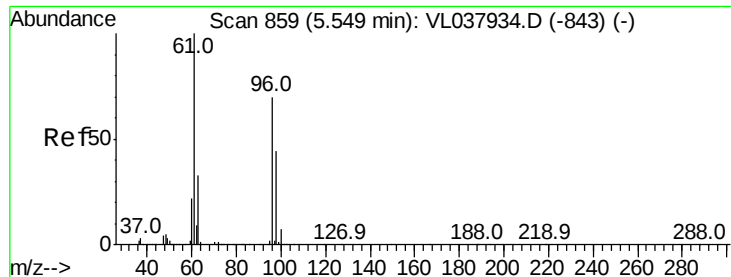
Tot Ion: 83 Resp: 2326401
Ion Ratio Lower Upper
83 100
85 63.9 50.6 76.0



#30
Cyclohexane
Concen: 9.766 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion: 84 Resp: 1392402
Ion Ratio Lower Upper
84 100
56 141.4 114.0 171.0
41 84.9 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 9.972 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1102ABS01

Acq: 2 Nov 2021 11:40

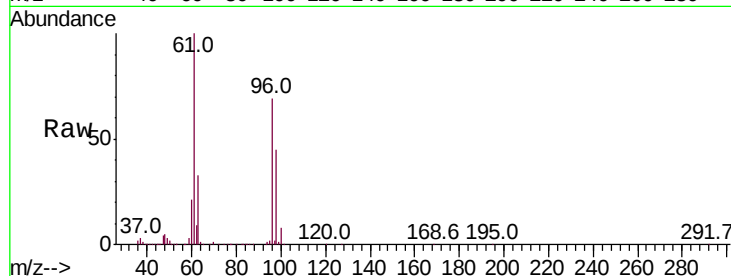
Tot Ion: 61 Resp: 1517475

Ion Ratio Lower Upper

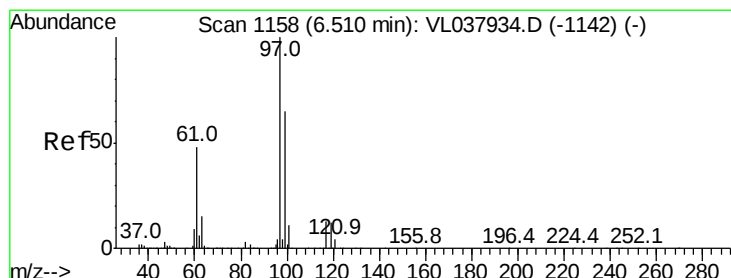
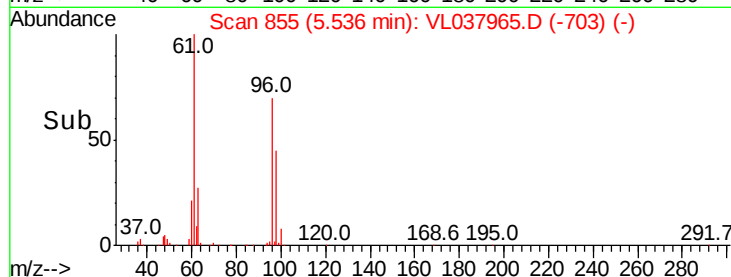
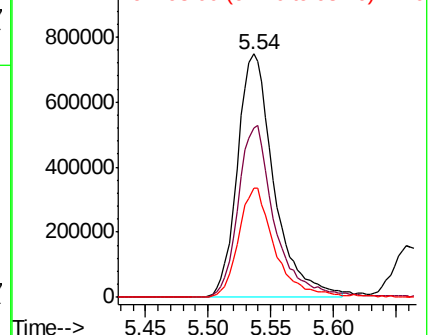
61 100

96 69.3 55.6 83.4

98 44.9 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: 9.181 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

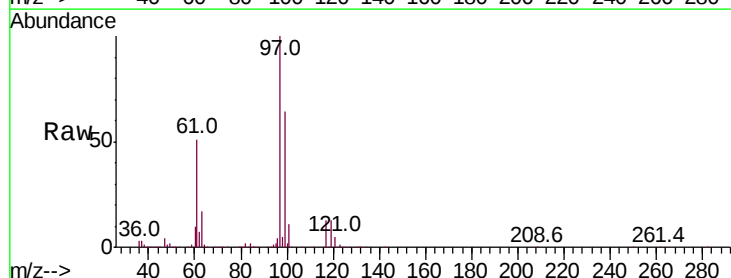
Tgt Ion: 97 Resp: 2244705

Ion Ratio Lower Upper

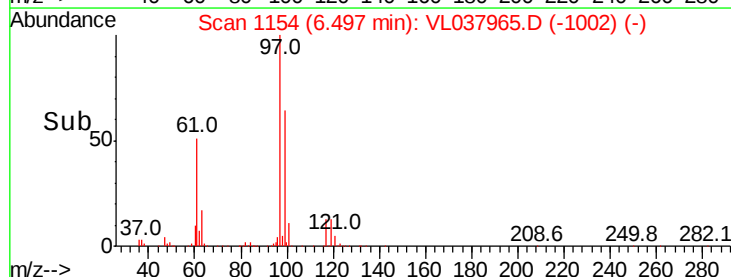
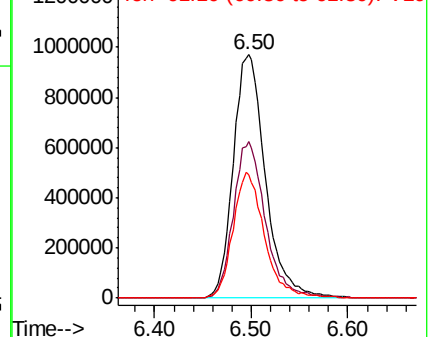
97 100

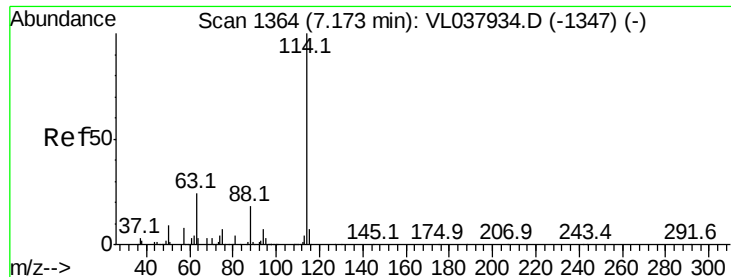
99 64.0 52.2 78.4

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

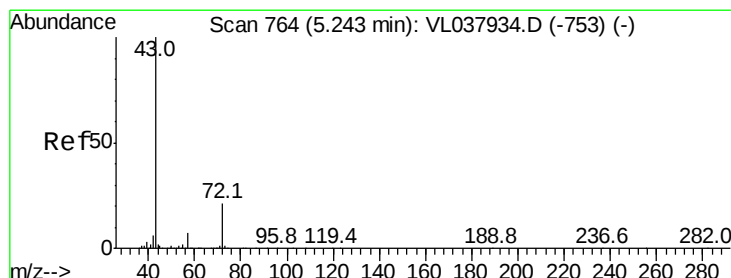
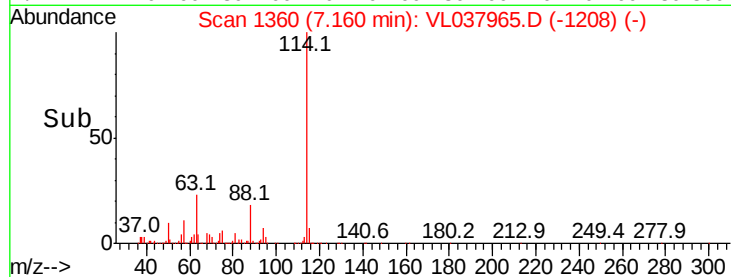
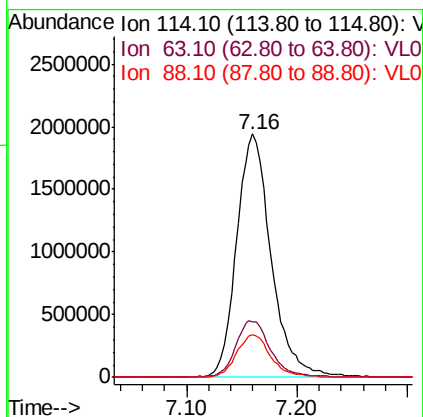
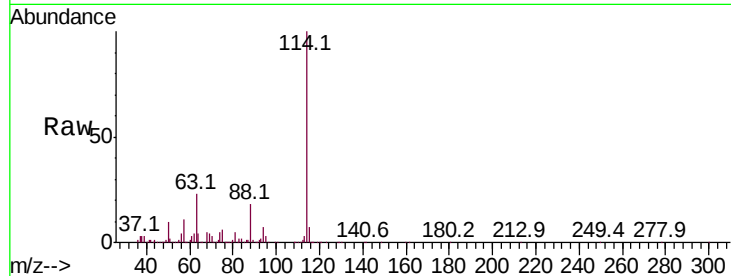
Delta R.T. MSVOA_L

Lab File: ClientSampleId: VL1102ABS01

Acq: 2 Nov 2021 11:40

Tot Ion:114 Resp: 4194929

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.7	14.2	21.4



#34

2-Butanone

Concen: 9.923 ppbv

RT: 5.23 min Scan# 760

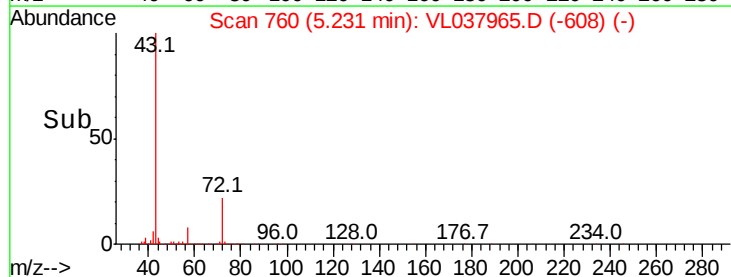
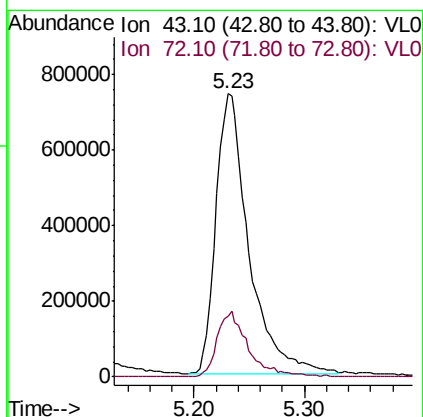
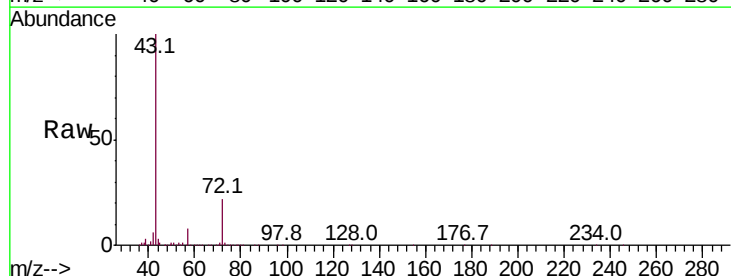
Delta R.T. -0.01 min

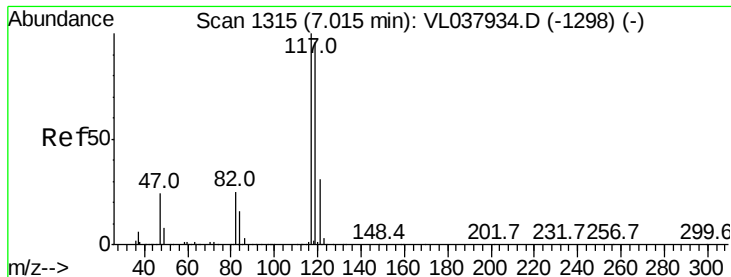
Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

Tgt Ion: 43 Resp: 1542454

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.3	27.5





#35

Carbon Tetrachloride

Concen: 9.216 ppbv

RT: 7.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 11:40 VL1102ABS01

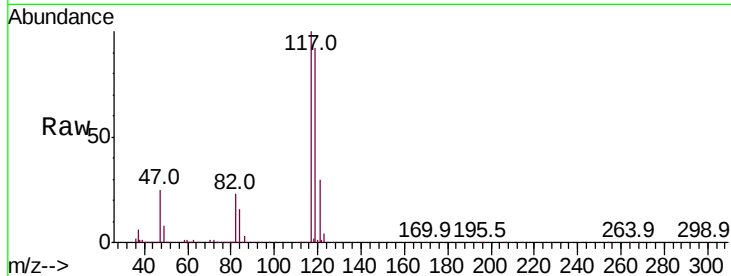
Tot Ion:117 Resp: 2337326

Ion Ratio Lower Upper

117 100

119 92.1 76.6 114.8

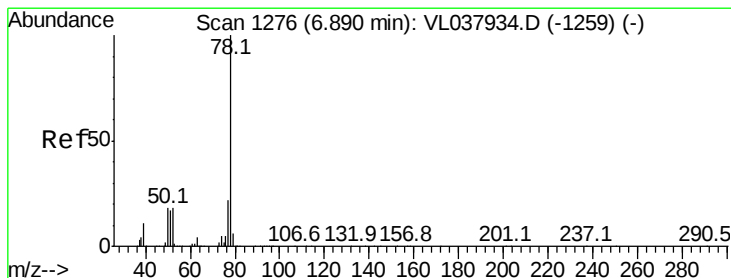
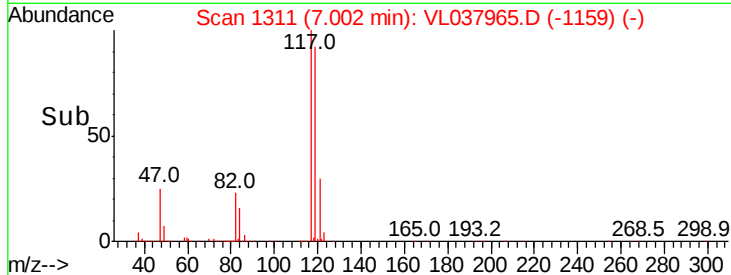
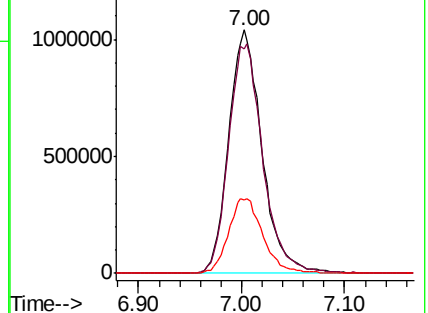
121 30.2 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.986 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

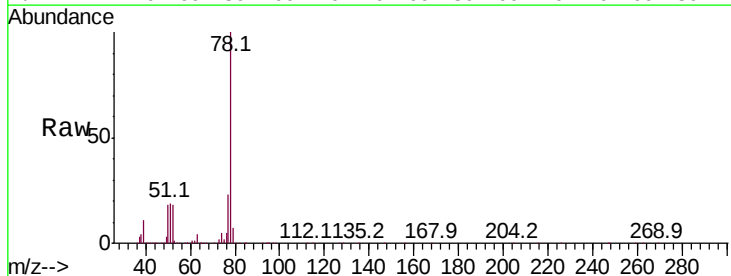
Tgt Ion: 78 Resp: 3411480

Ion Ratio Lower Upper

78 100

77 22.6 17.9 26.9

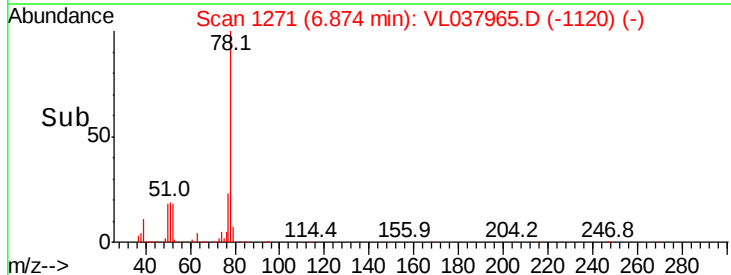
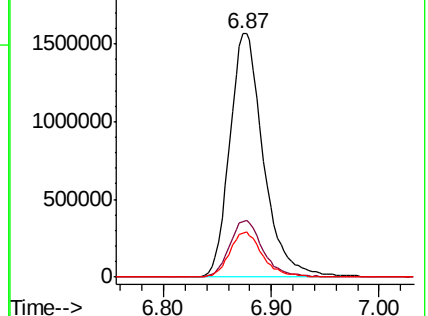
50 17.8 14.4 21.6

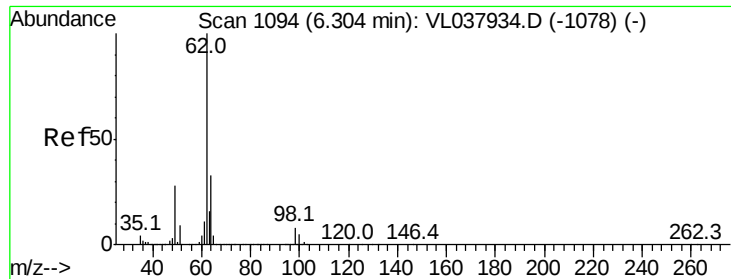


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

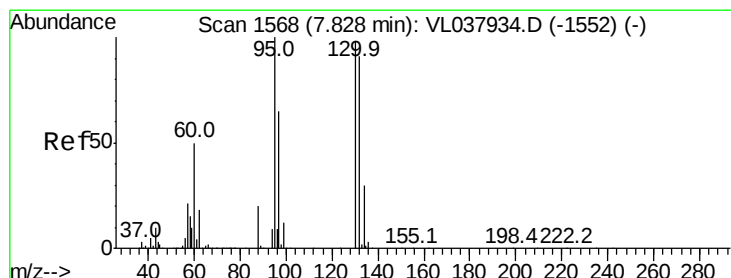
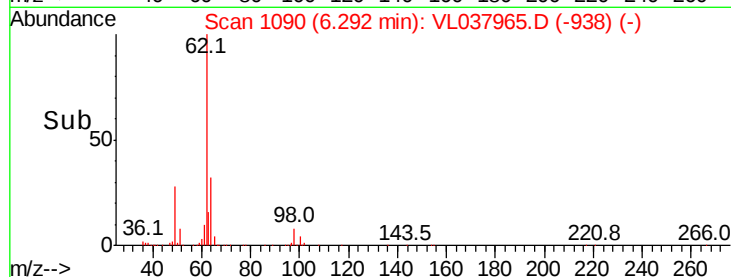
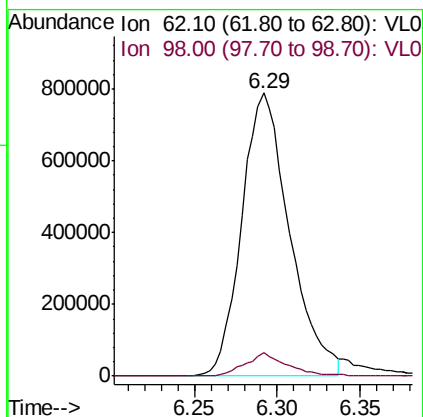
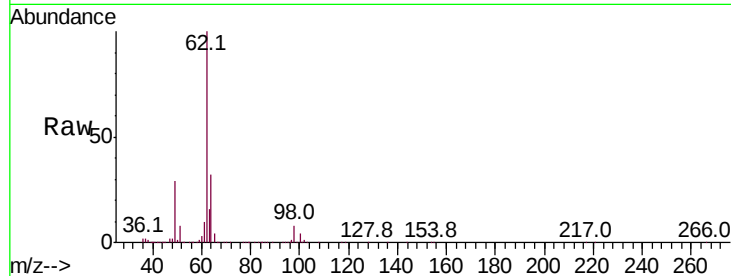
Ion 50.10 (49.80 to 50.80): VL0





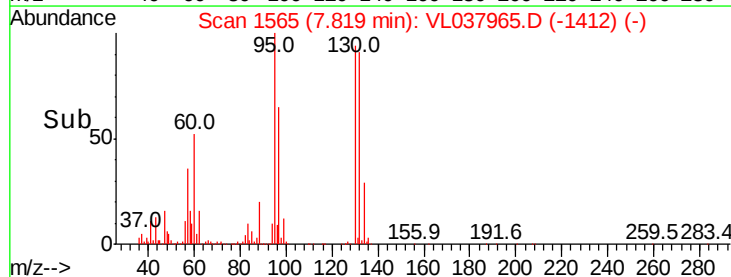
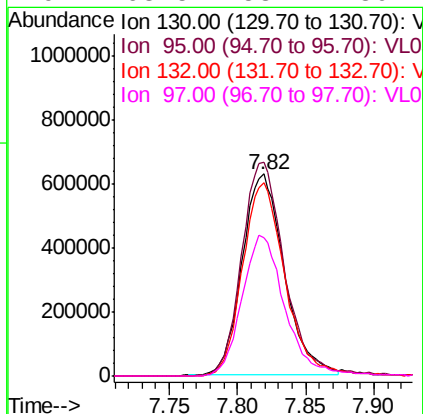
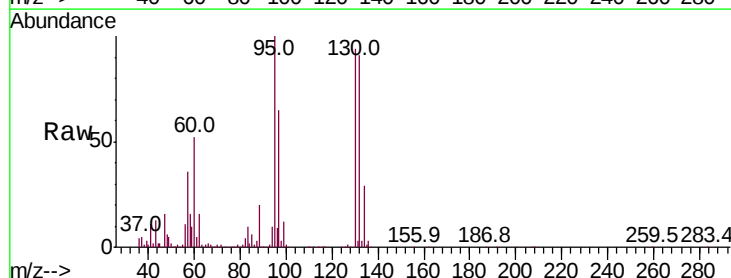
#37
 1,2-Dichloroethane
 Concen: 9.747 ppbv
 RT: 6.29
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId : VL1102ABS01
 Acq: 2 Nov 2021 11:40

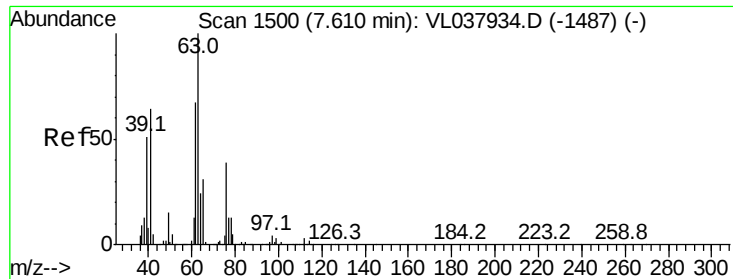
Tot Ion: 62 Resp: 1582961
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.5 9.7



#38
 Trichloroethene
 Concen: 9.530 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T.: -0.01 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

Tgt Ion: 130 Resp: 1351271
 Ion Ratio Lower Upper
 130 100
 95 106.2 81.8 122.8
 132 96.2 74.2 111.2
 97 68.5 53.4 80.2





#39

1,2-Dichloropropane

Concen: 10.161 ppbv

RT: 7.60

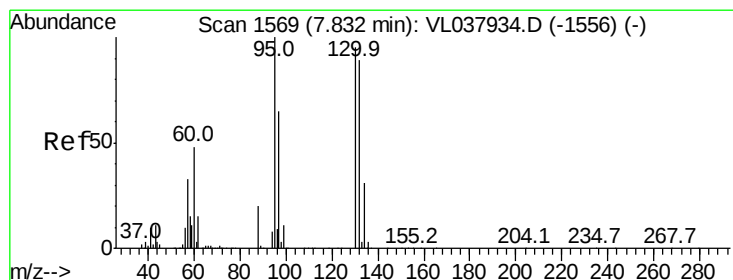
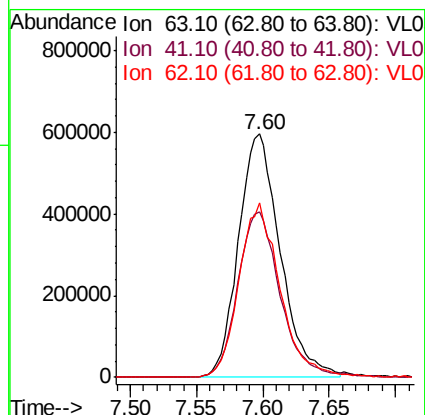
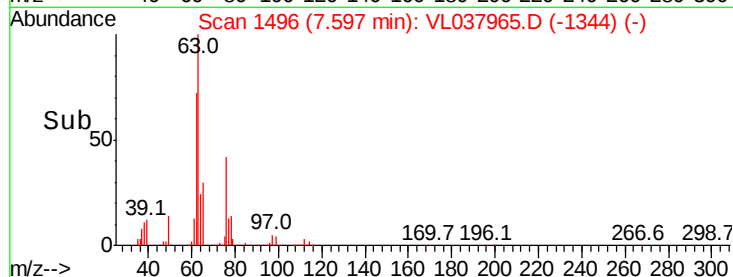
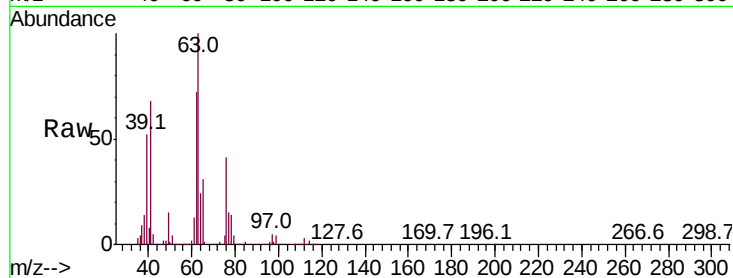
Delta R.T. MSVOA_1

Lab File: ClientSampleId : VL1102ABS01

Acq: 2 Nov 2021 11:40

Tot Ion: 63 Resp: 1306090

Ion	Ratio	Lower	Upper
63	100		
41	68.0	51.6	77.4
62	71.5	53.5	80.3



#40

1,4-Dioxane

Concen: 8.409 ppbv

RT: 7.82 min Scan# 1565

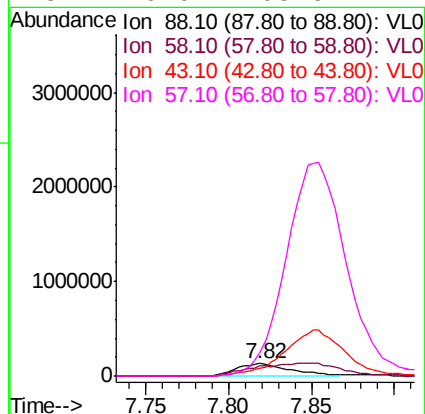
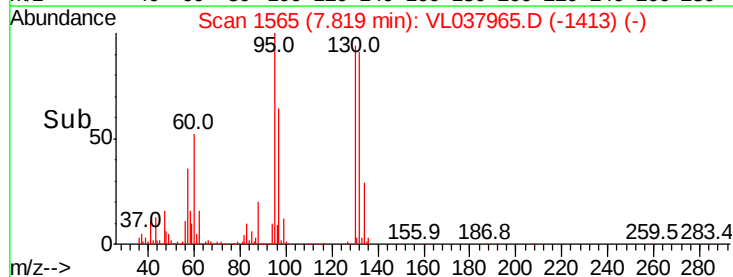
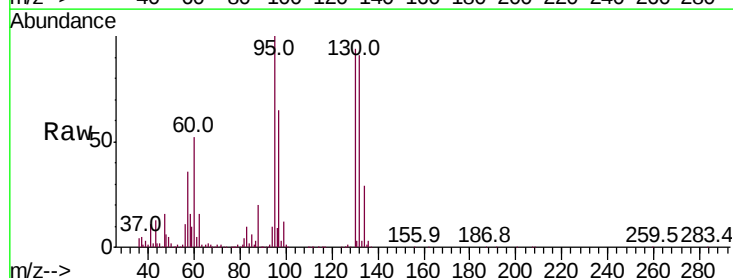
Delta R.T. -0.01 min

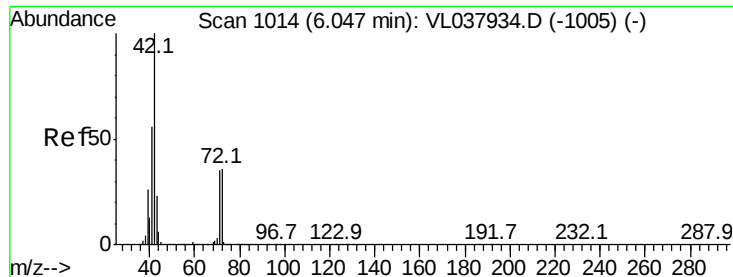
Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

Tgt Ion: 88 Resp: 284647

Ion	Ratio	Lower	Upper
88	100		
58	0.0	129.1	193.7#
43	0.0	313.2	469.8#
57	0.0	1408.6	2112.8#





#41

Tetrahydrofuran

Concen: 10.380 ppbv

RT: 6.03

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 11:40

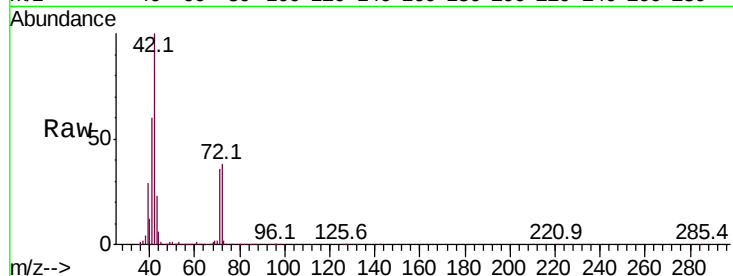
Tot Ion: 42 Resp: 789475

Ion Ratio Lower Upper

42 100

72 39.4 31.5 47.3

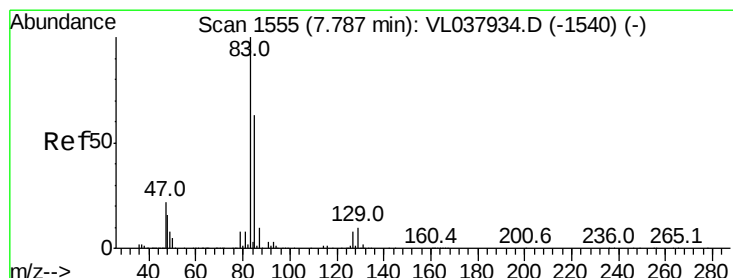
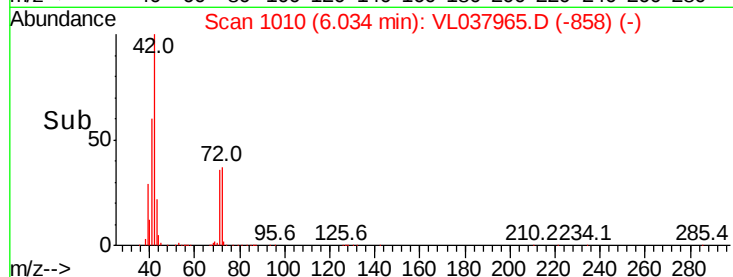
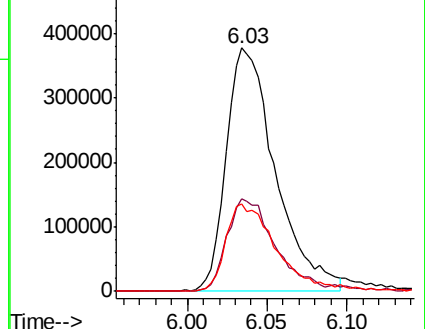
71 37.8 30.5 45.7



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: 9.932 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

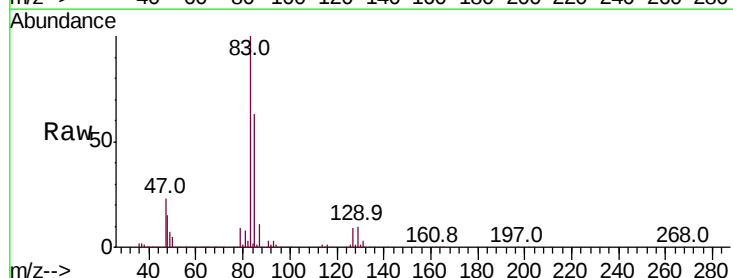
Tgt Ion: 83 Resp: 2438889

Ion Ratio Lower Upper

83 100

85 63.4 50.1 75.1

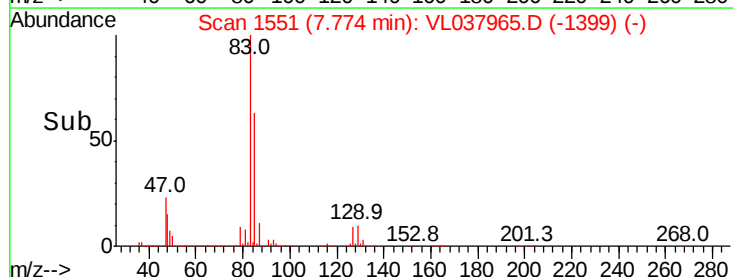
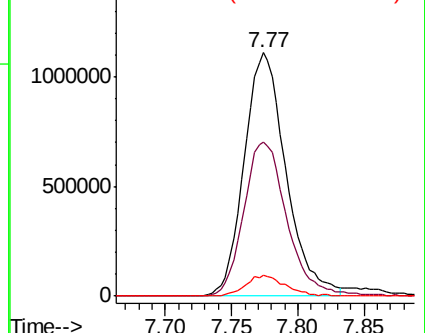
127 8.6 6.1 9.1

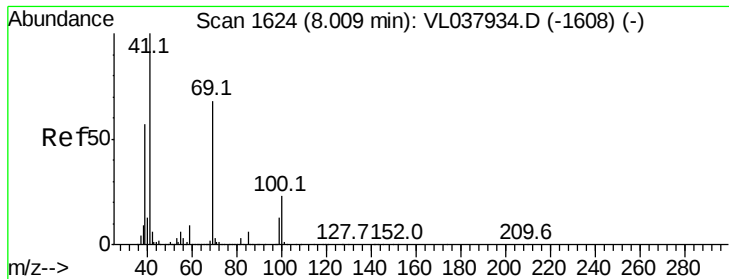


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.096 ppbv

RT: 8.00

Instrument: MSVOA_1

Delta R.T.

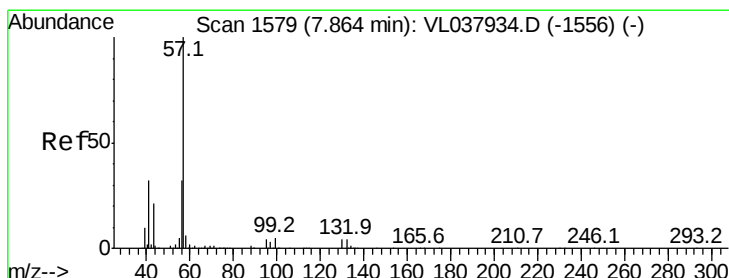
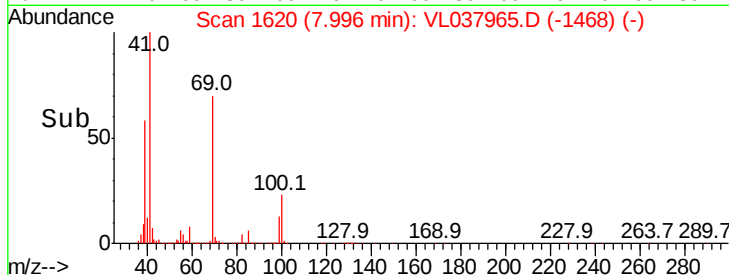
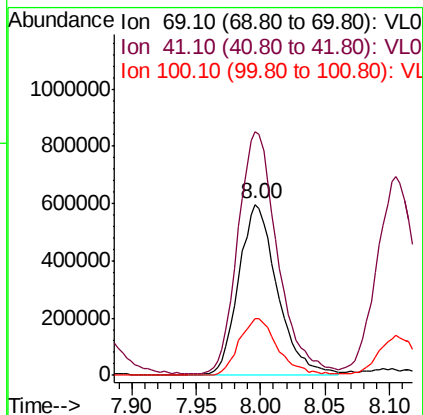
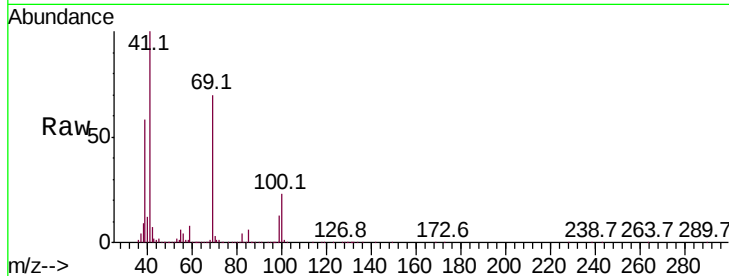
Client Sample Id:

Lab File: VL1102ABS01

Acq: 2 Nov 2021 11:40

Tot Ion: 69 Resp: 1244229

Ion	Ratio	Lower	Upper
69	100		
41	147.3	117.4	176.2
100	33.4	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.975 ppbv

RT: 7.85 min Scan# 1576

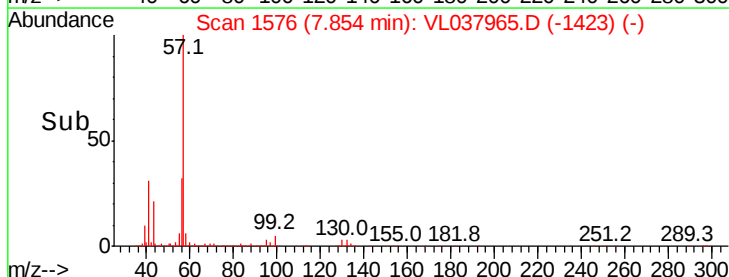
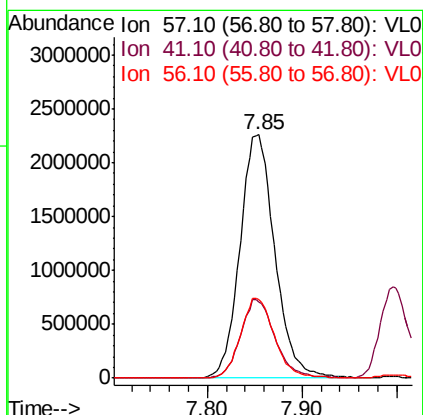
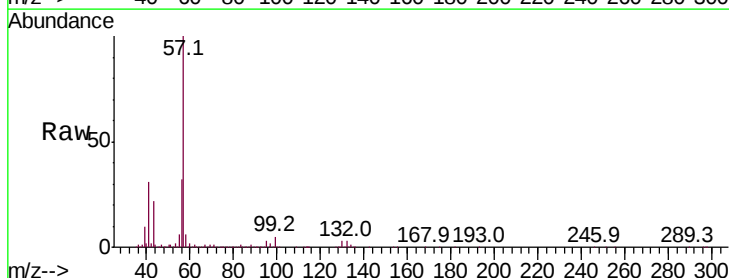
Delta R.T. -0.01 min

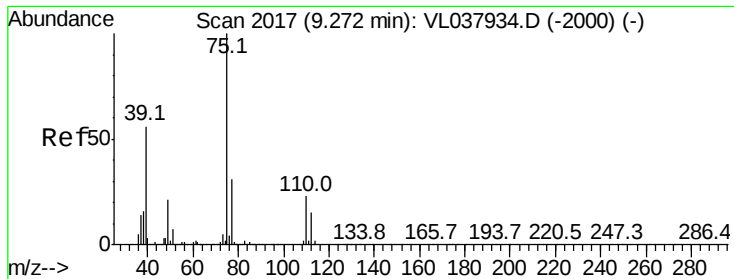
Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

Tgt Ion: 57 Resp: 5796229

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.8	38.8
56	32.1	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 12.162 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

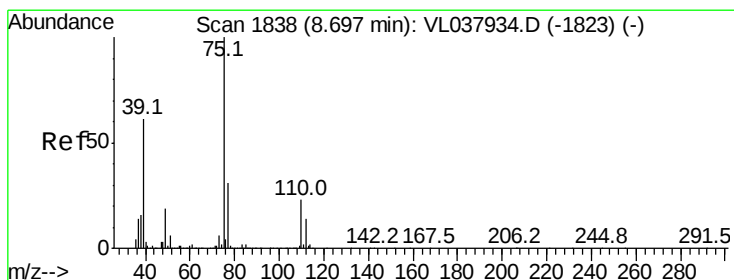
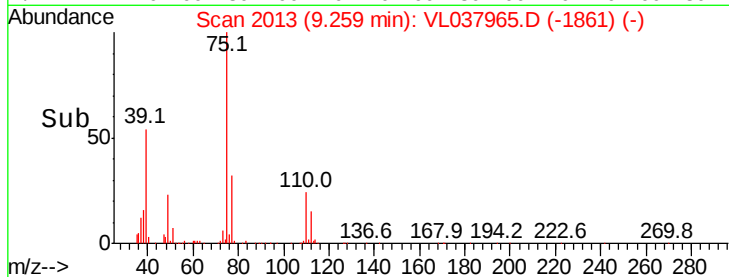
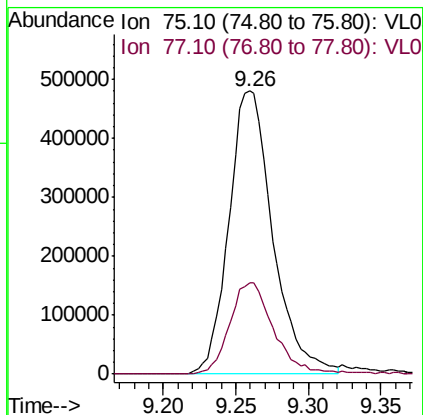
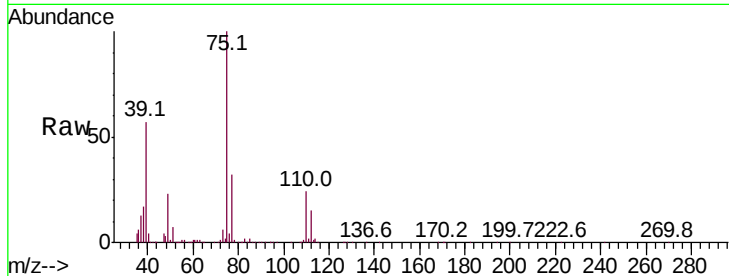
Acq: 2 Nov 2021 11:40

Tot Ion: 75 Resp: 1002035

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 11.686 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

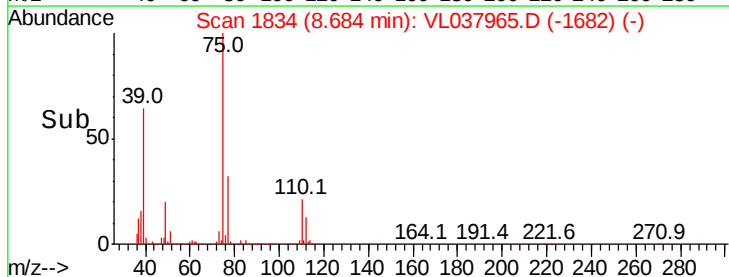
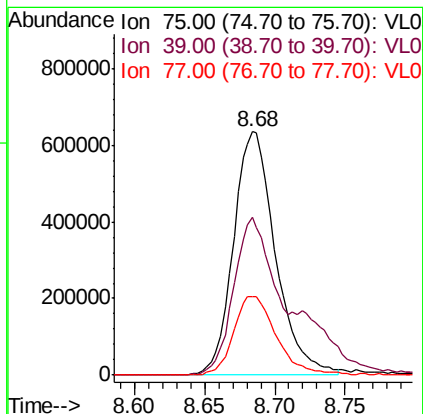
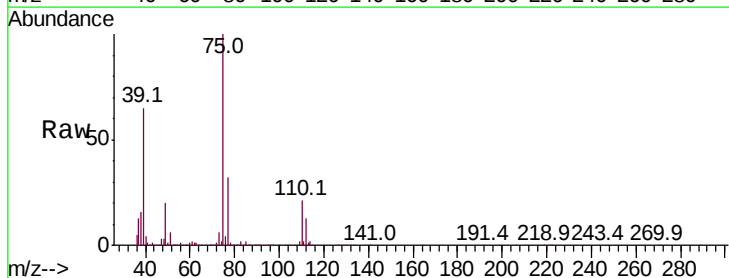
Tgt Ion: 75 Resp: 1323840

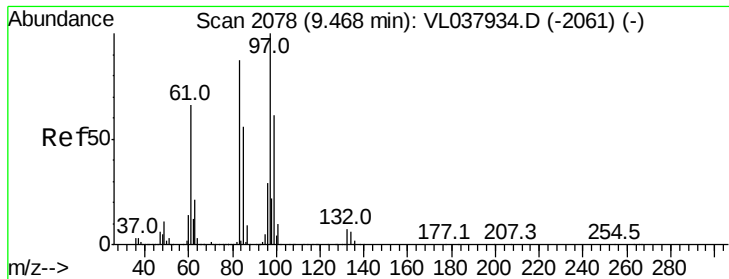
Ion Ratio Lower Upper

75 100

39 64.5 48.8 73.2

77 32.3 24.6 36.8

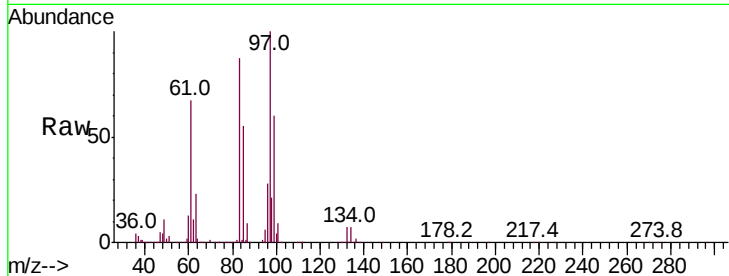




#47
 1,1,2-Trichloroethane
 Concen: 9.612 ppbv
 RT: 9.45
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL1102ABS01
 Acq: 2 Nov 2021 11:40

Tot Ion: 97 Resp: 1388220

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	55.1	45.0	67.6
99	60.2	48.7	73.1



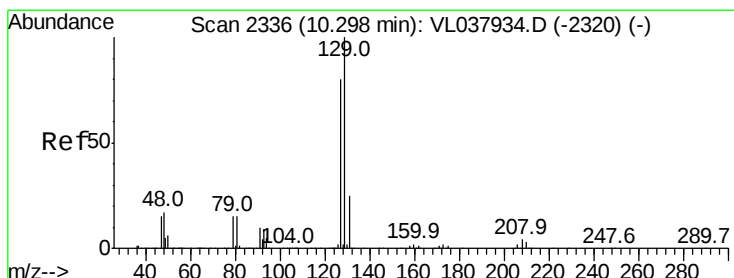
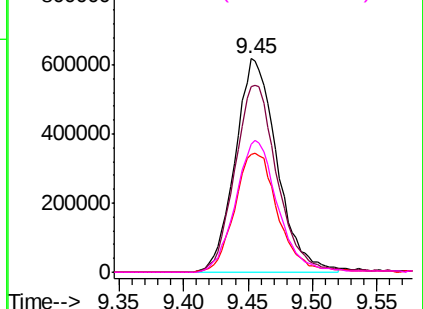
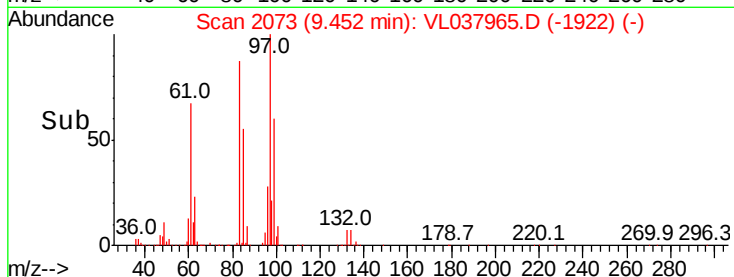
Abundance

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

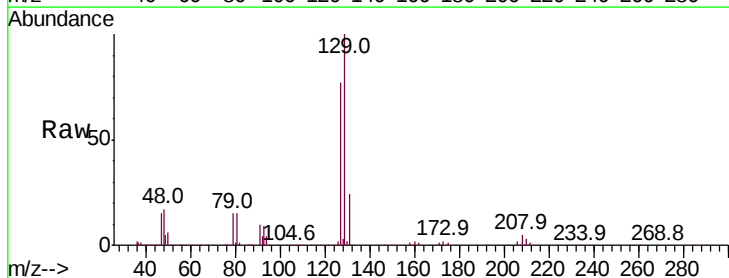
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.678 ppbv
 RT: 10.29 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

Tgt Ion: 129 Resp: 2183499

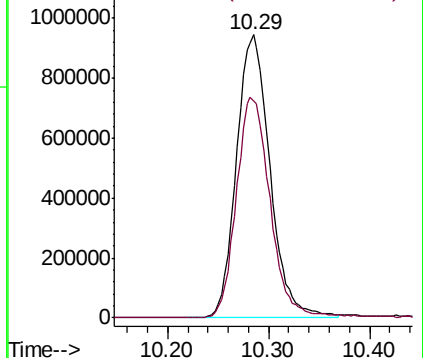
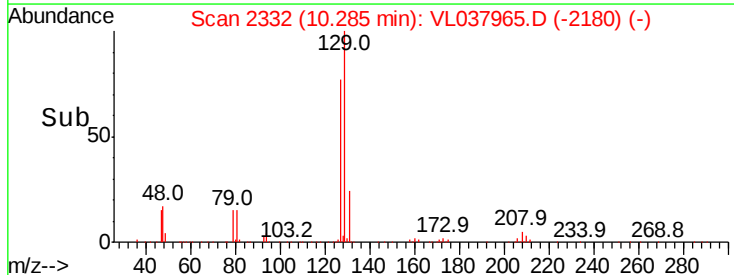
Ion	Ratio	Lower	Upper
129	100		
127	79.3	40.3	120.9

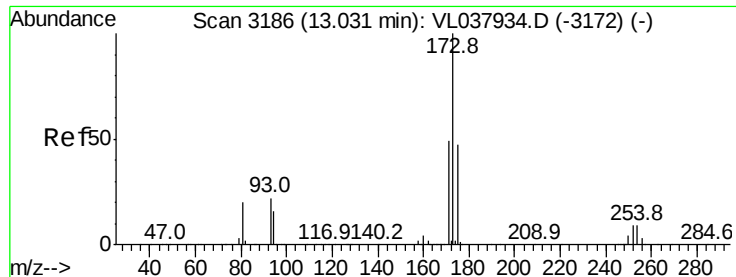


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.928 ppbv

RT: 13.02

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 2 Nov 2021 11:40

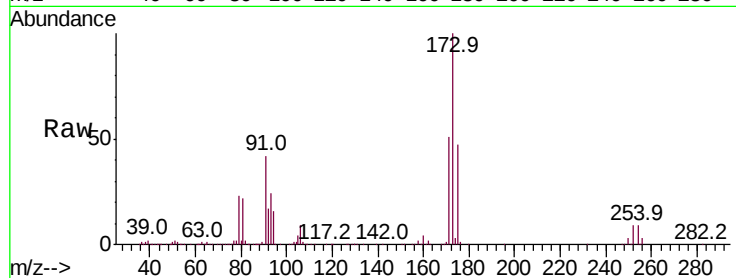
Tot Ion:173 Resp: 1766389

Ion Ratio Lower Upper

173 100

175 50.9 39.5 59.3

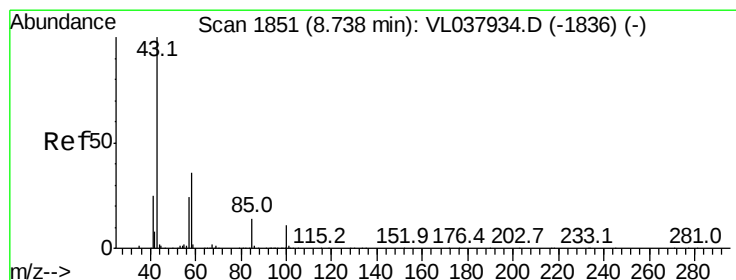
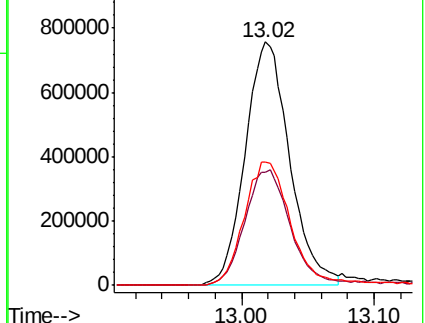
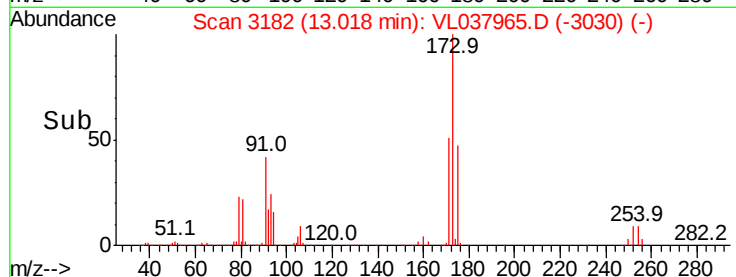
171 54.8 43.6 65.4



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: 10.847 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.02 min

Lab File: VL037965.D

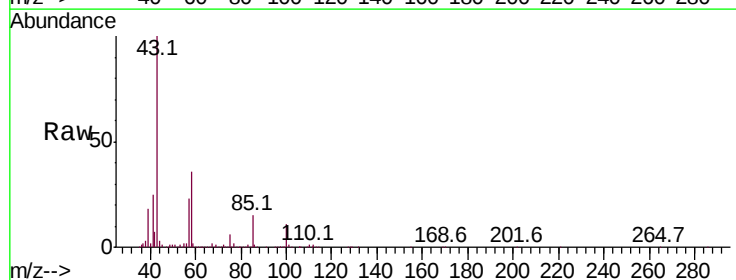
Acq: 2 Nov 2021 11:40

Tgt Ion: 43 Resp: 2215262

Ion Ratio Lower Upper

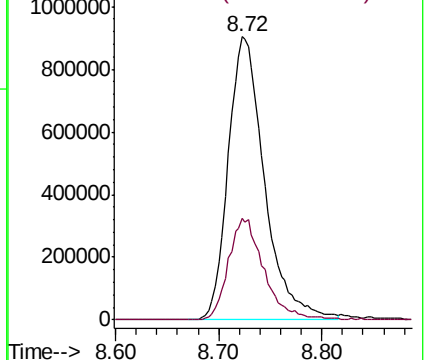
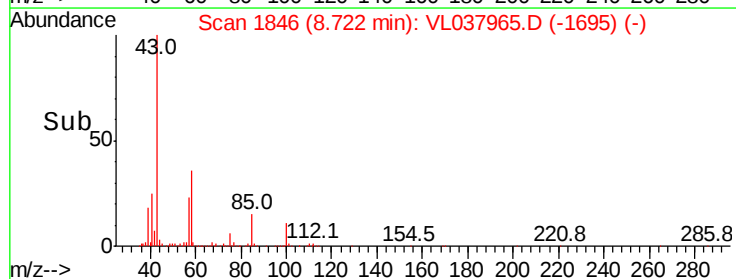
43 100

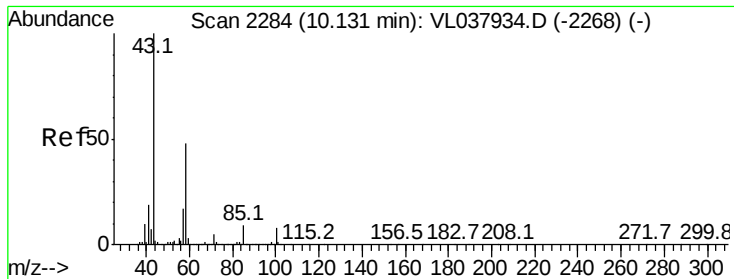
58 35.7 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

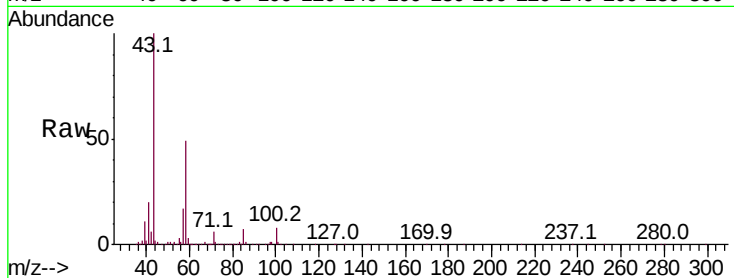
Ion 58.10 (57.80 to 58.80): VL0





#51
2-Hexanone
Concen: 11.093 ppbv
RT: 10.12 min
Delta R.T.: MSVOA_1
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	38.6	57.8
98	1.3	1.0	1.4

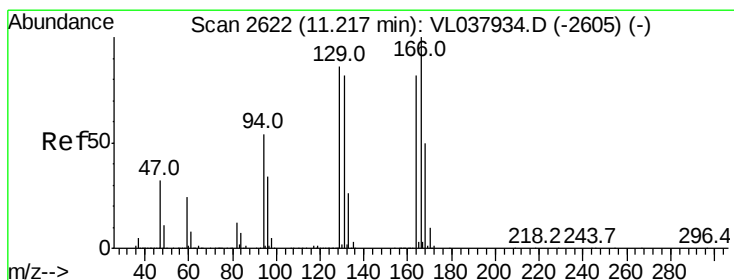
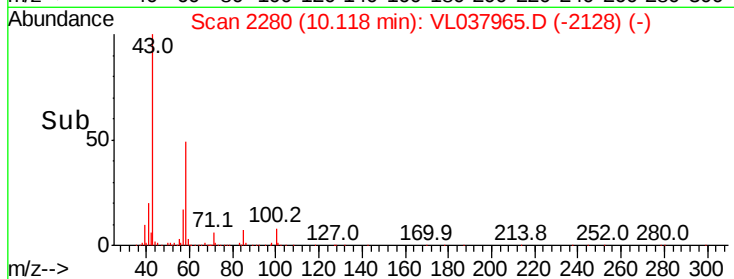
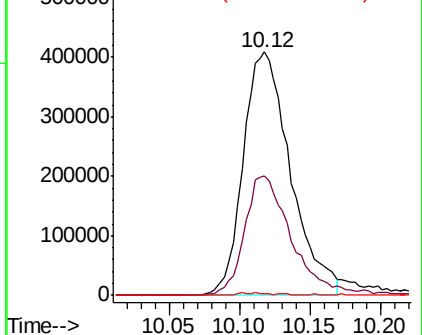


Abundance

Ion 43.10 (42.80 to 43.80): VL0

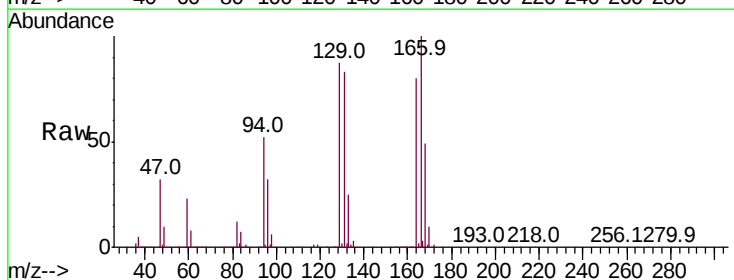
Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 9.593 ppbv
RT: 11.20 min Scan# 2618
Delta R.T.: -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	97.6	146.4
129	108.7	84.2	126.2
131	104.1	79.6	119.4



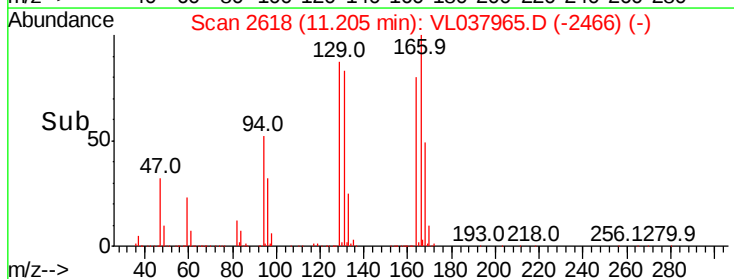
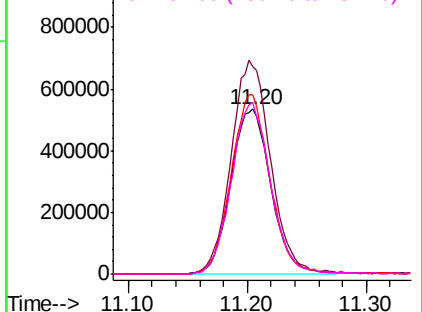
Abundance

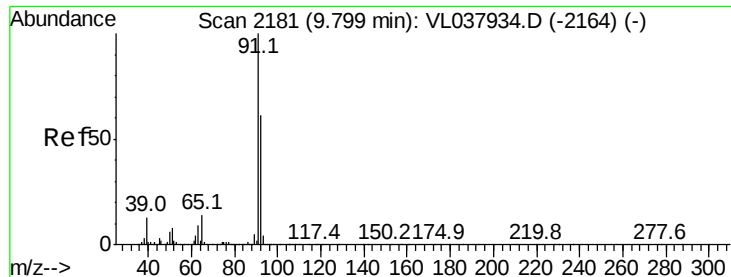
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.865 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

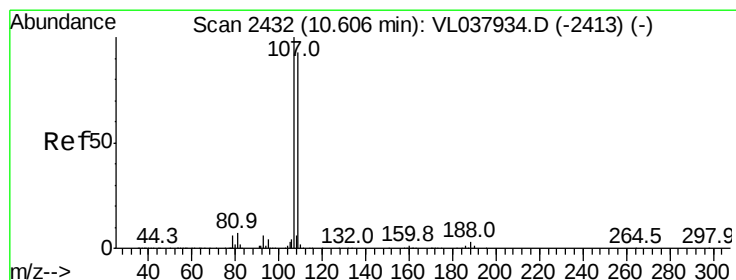
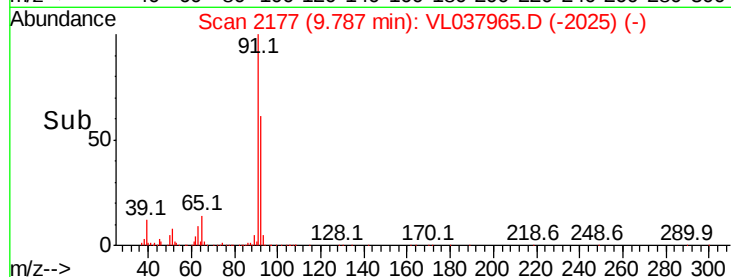
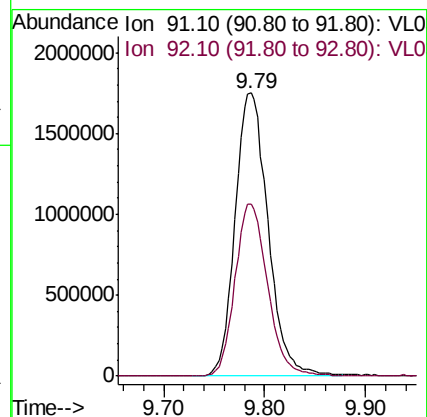
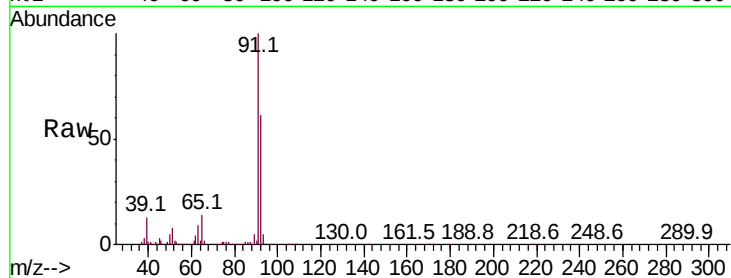
Acq: 2 Nov 2021 11:40 VL1102ABS01

Tot Ion: 91 Resp: 3979265

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.4



#54

1,2-Dibromoethane

Concen: 10.529 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL037965.D

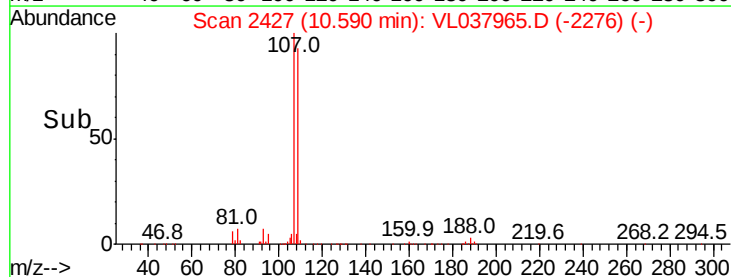
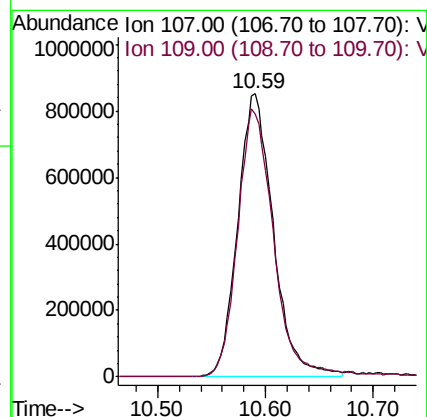
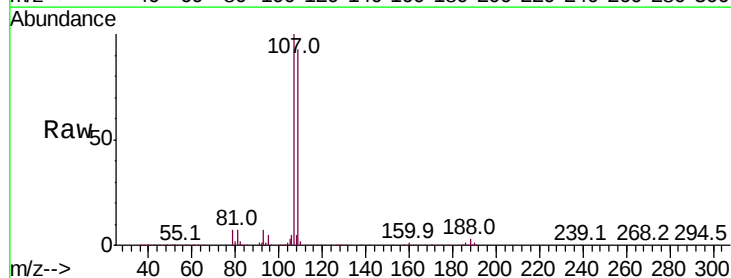
Acq: 2 Nov 2021 11:40

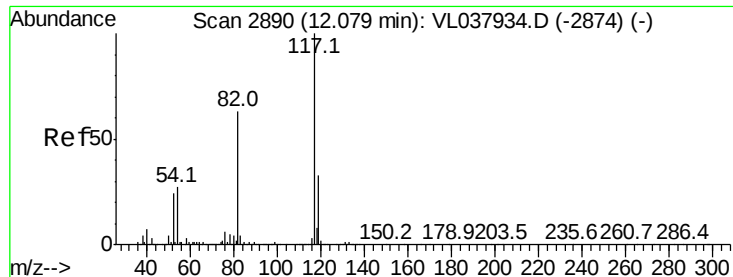
Tgt Ion: 107 Resp: 1961238

Ion Ratio Lower Upper

107 100

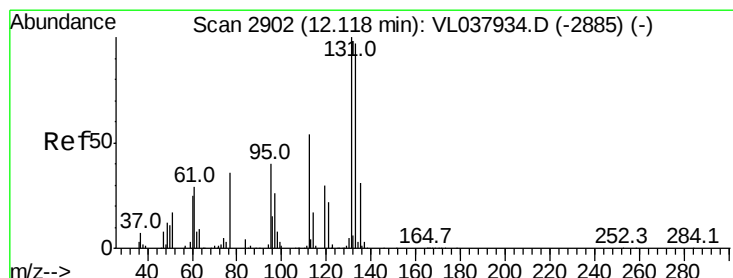
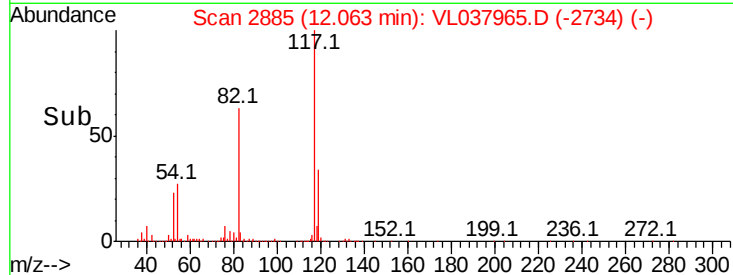
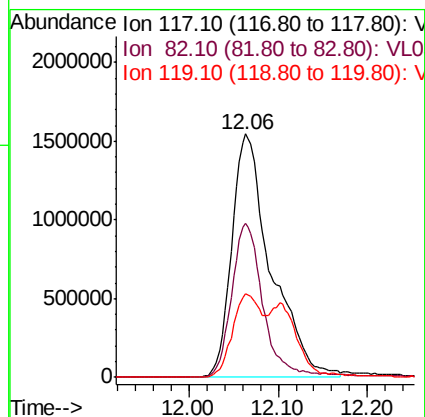
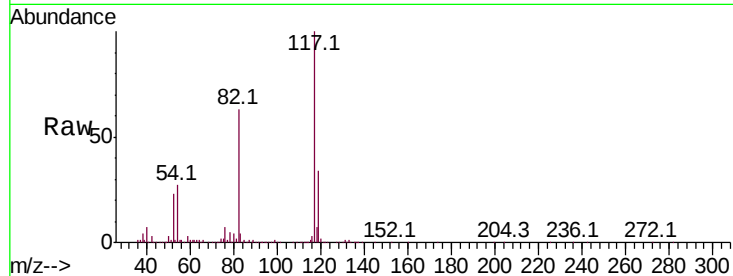
109 93.0 74.5 111.7





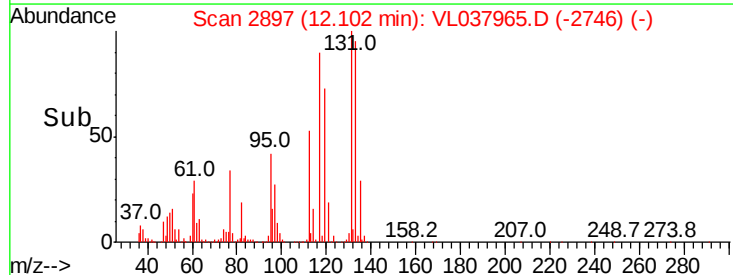
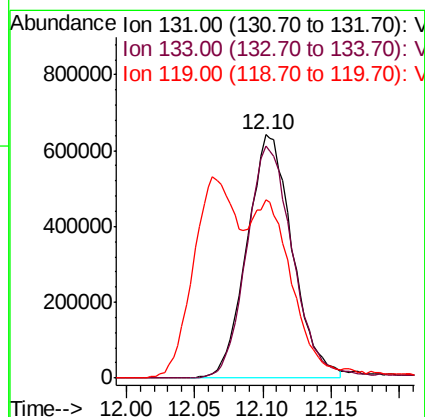
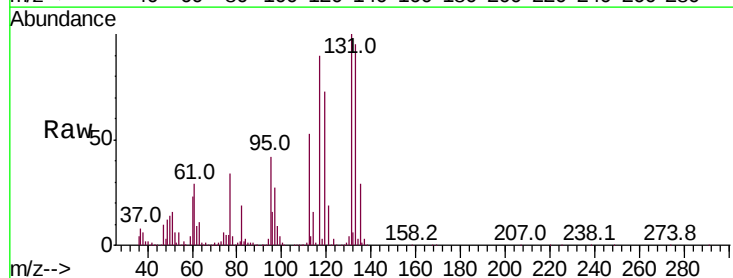
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

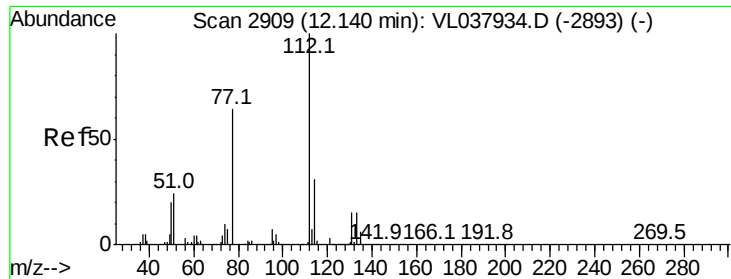
Tot Ion:117 Resp: 4708360
Ion Ratio Lower Upper
117 100
82 51.3 51.0 76.6
119 49.0 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.802 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion:131 Resp: 1483100
Ion Ratio Lower Upper
131 100
133 98.2 79.6 119.4
119 69.9 125.4 188.2#





#57

Chlorobenzene

Concen: 7.719 ppbv

RT: 12.12

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 11:40

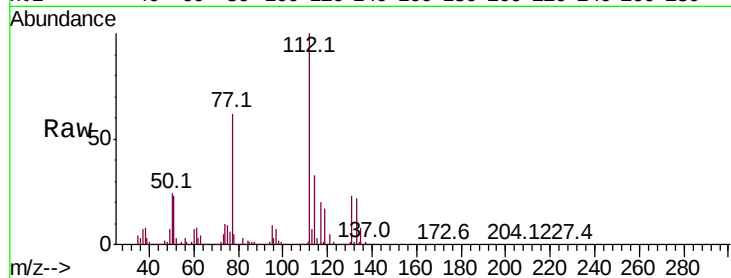
Tot Ion:112 Resp: 2900872

Ion Ratio Lower Upper

112 100

77 61.1 51.1 76.7

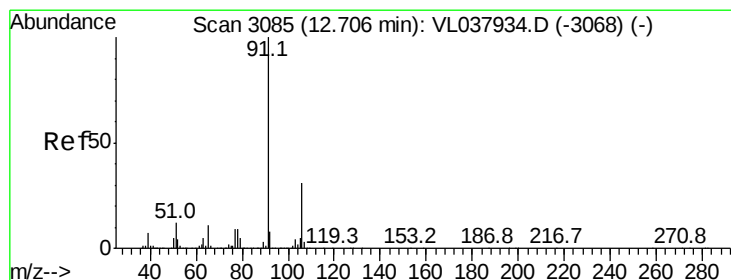
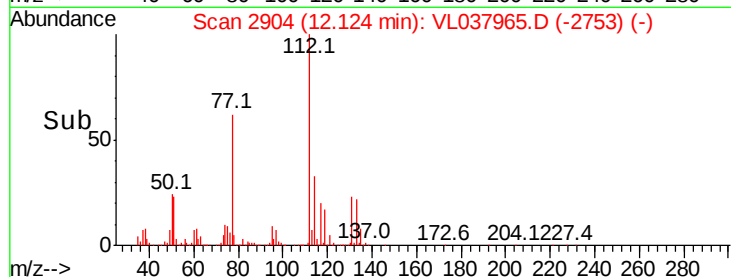
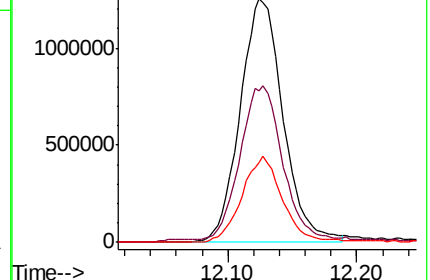
114 32.9 27.9 34.1



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: 8.708 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.02 min

Lab File: VL037965.D

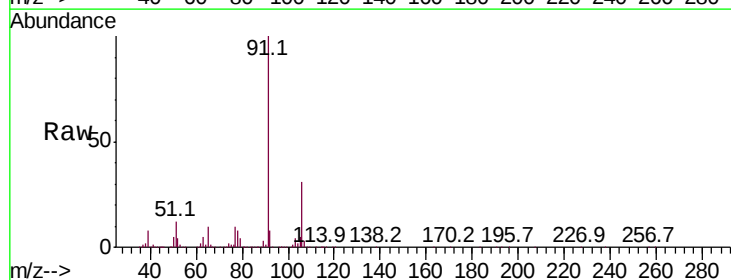
Acq: 2 Nov 2021 11:40

Tgt Ion: 91 Resp: 5014243

Ion Ratio Lower Upper

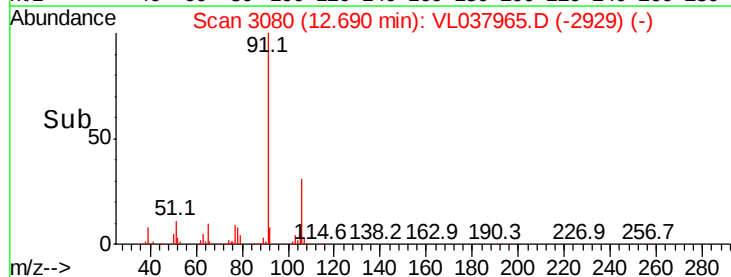
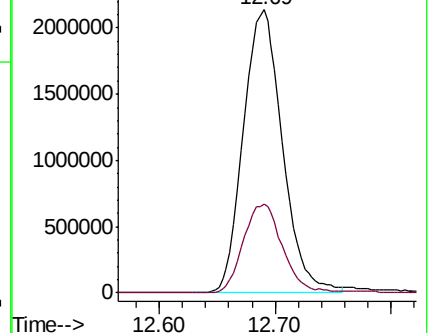
91 100

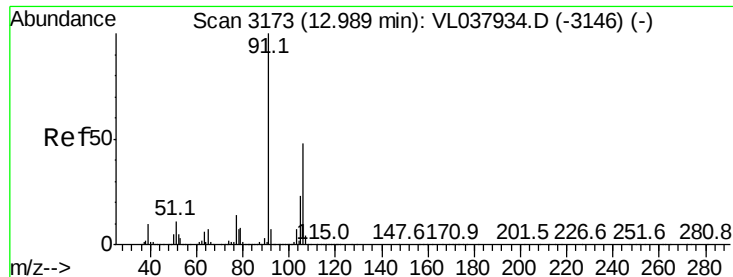
106 31.4 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

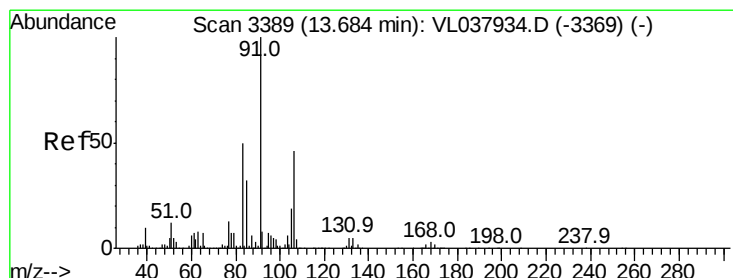
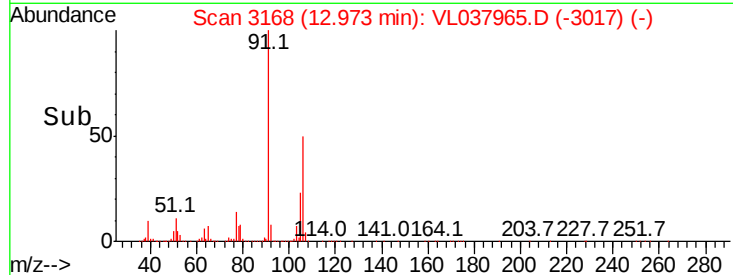
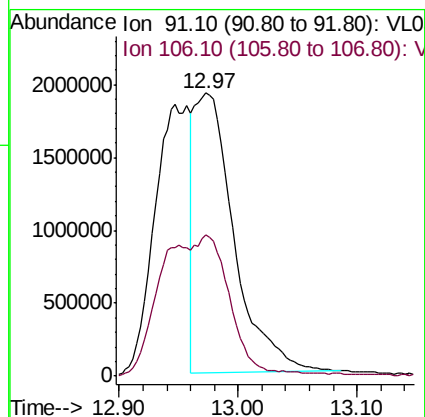
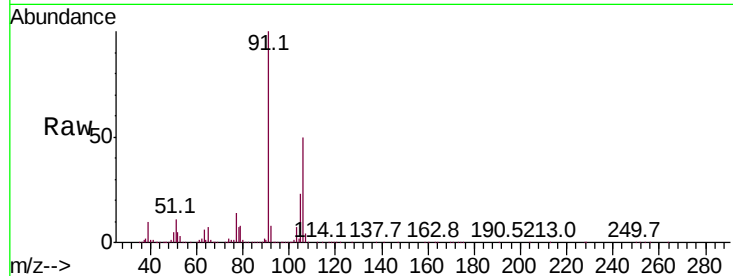
Ion 106.10 (105.80 to 106.80): V





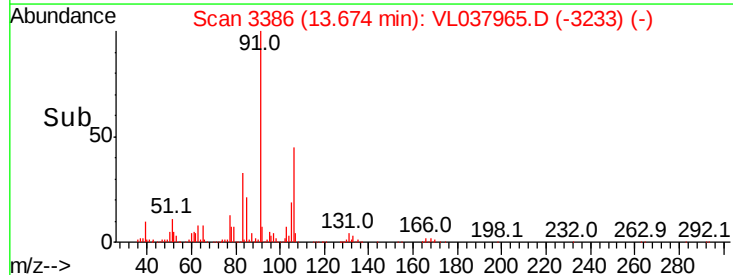
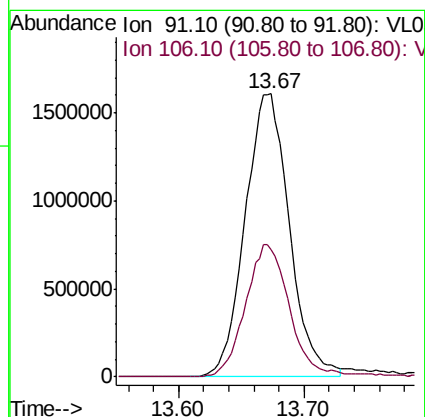
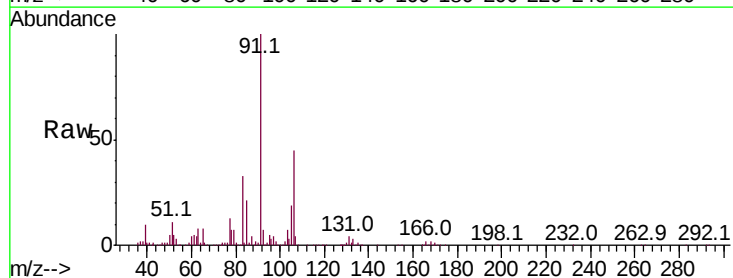
#59
m/p-Xylene
Concen: 8.717 ppbv
RT: 12.97 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

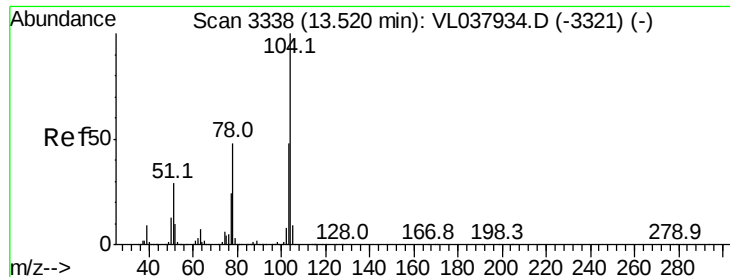
Tot Ion: 91 Resp: 4461004
Ion Ratio Lower Upper
91 100
106 88.9 37.1 55.7#



#60
o-Xylene
Concen: 8.166 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion: 91 Resp: 3940480
Ion Ratio Lower Upper
91 100
106 47.7 23.5 70.6





#61

Stvrene

Concen: 10.065 ppbv

RT: 13.51

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 11:40

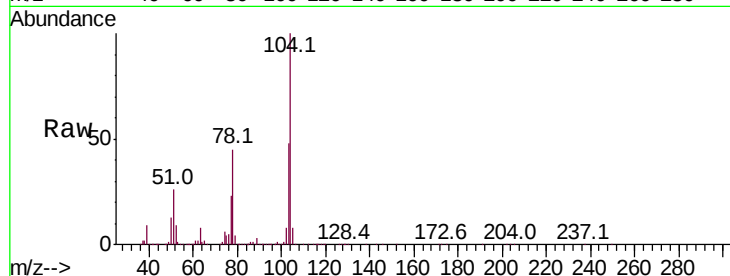
Tot Ion:104 Resp: 2230376

Ion Ratio Lower Upper

104 100

78 48.6 39.3 58.9

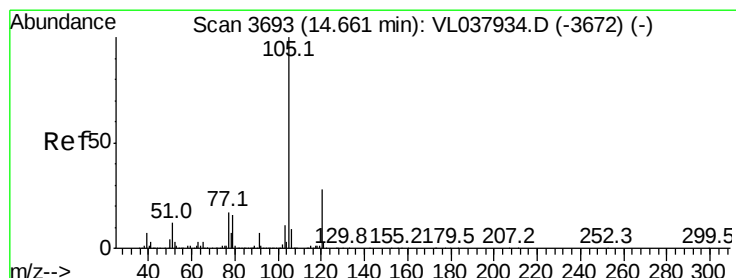
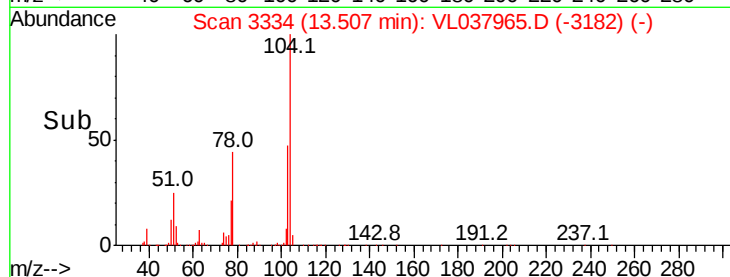
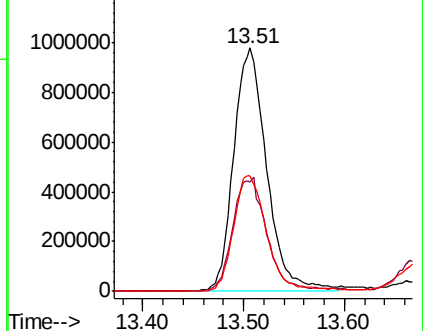
103 48.4 39.6 59.4



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: 7.991 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.02 min

Lab File: VL037965.D

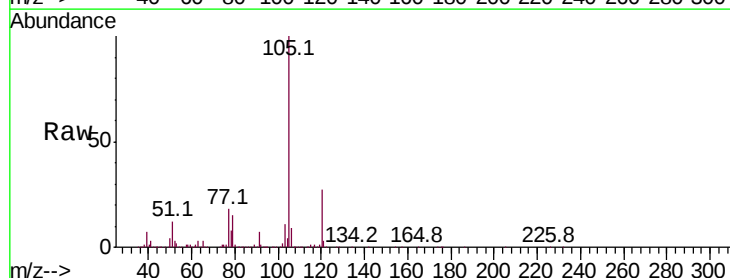
Acq: 2 Nov 2021 11:40

Tgt Ion:105 Resp: 5459429

Ion Ratio Lower Upper

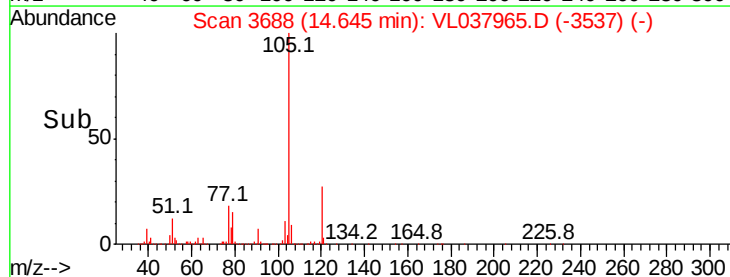
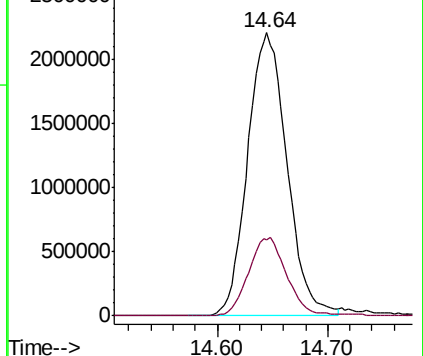
105 100

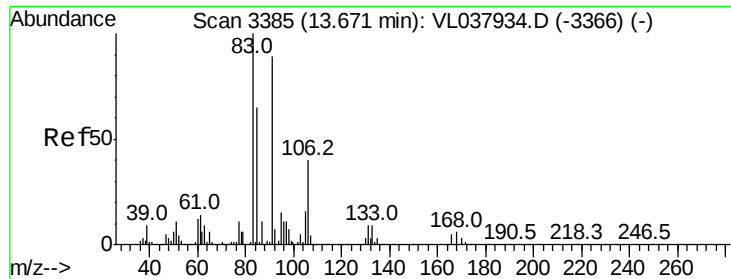
120 27.4 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

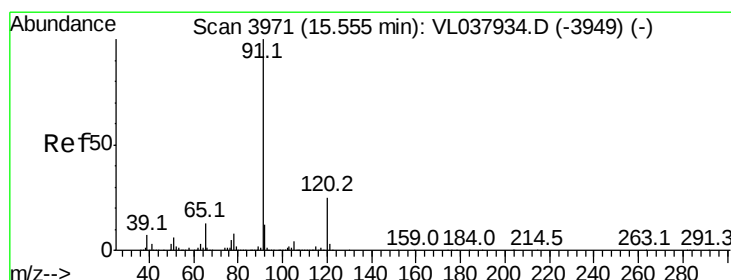
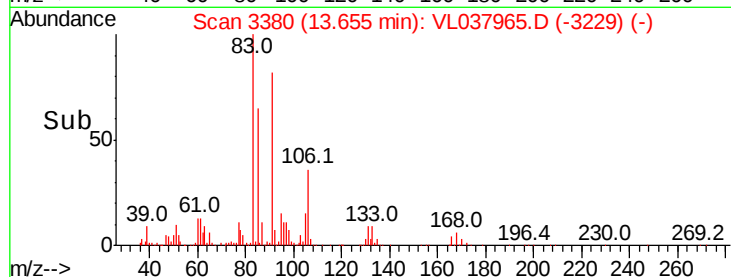
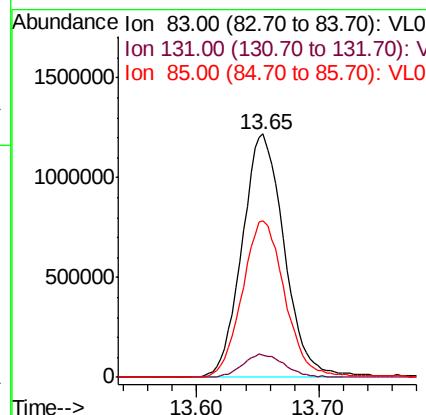
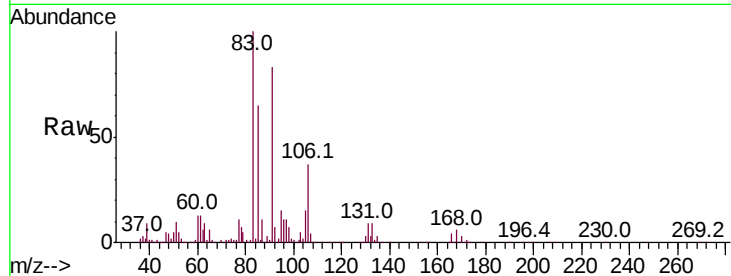
Ion 120.20 (119.90 to 120.90): V





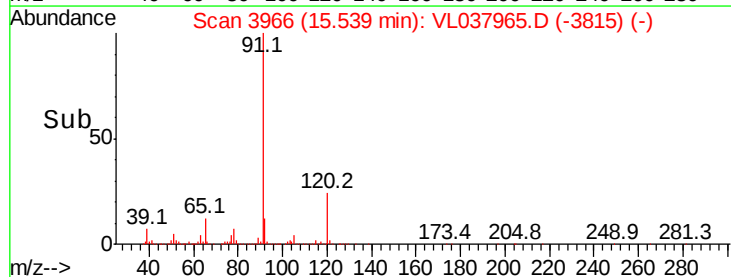
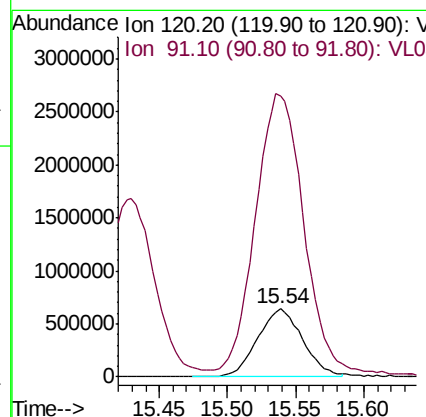
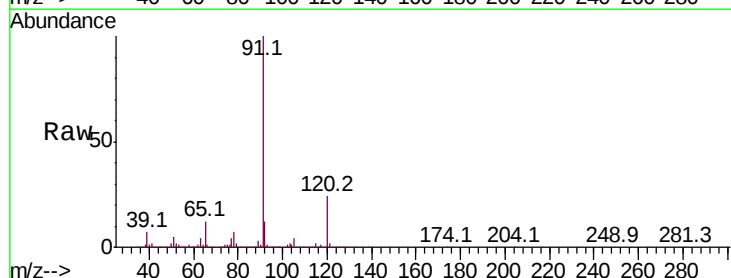
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.958 ppbv
 RT: 13.65
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1102ABS01
 Acq: 2 Nov 2021 11:40

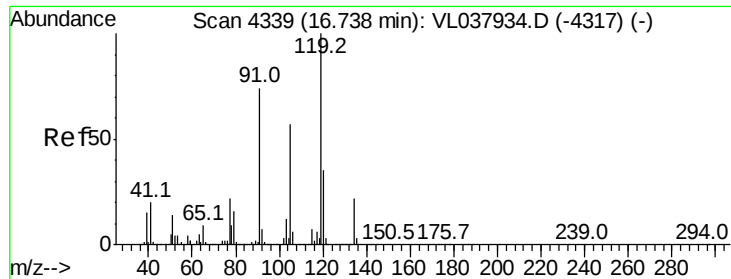
Tot Ion: 83 Resp: 2889653
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.4
 85 66.5 32.5 97.5



#64
 n-propylbenzene
 Concen: 8.417 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.02 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

Tgt Ion:120 Resp: 1473406
 Ion Ratio Lower Upper
 120 100
 91 458.4 363.3 544.9

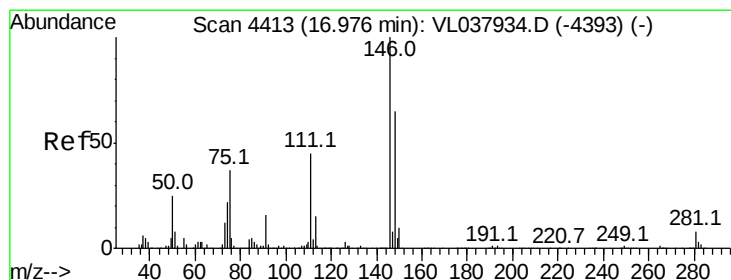
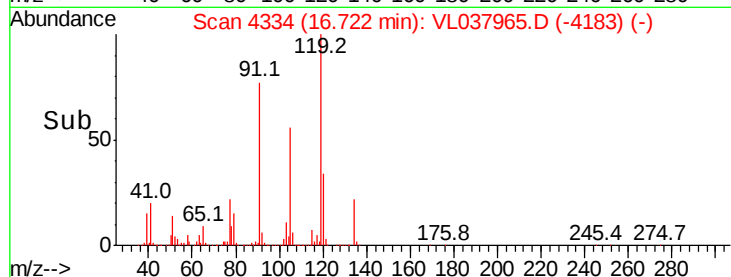
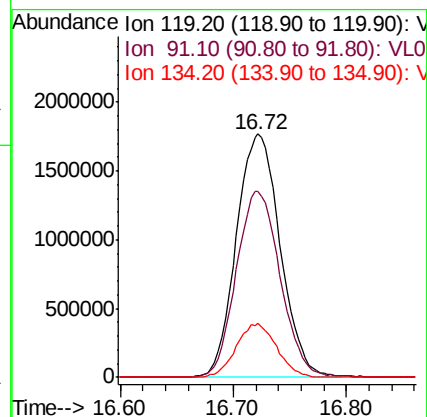
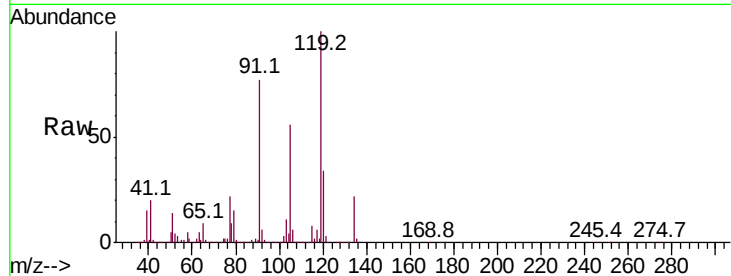




#65
tert-Butylbenzene
Concen: 7.891 ppbv
RT: 16.72 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1102ABS01
Acq: 2 Nov 2021 11:40

Tot Ion: 119 Resp: 4764344

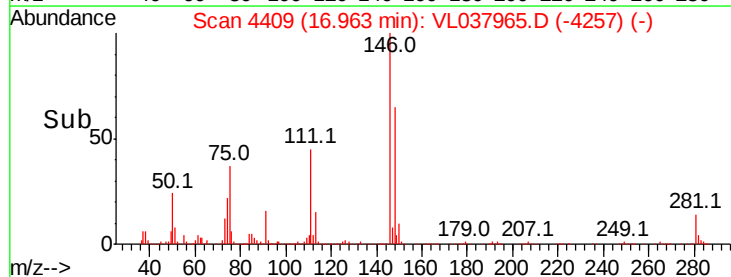
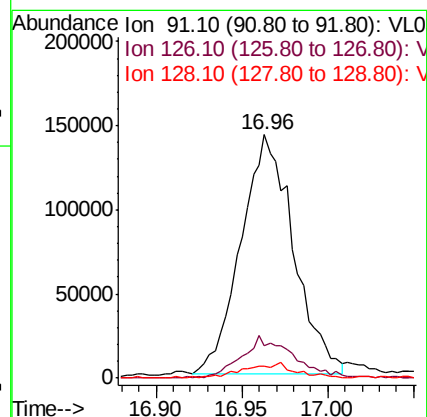
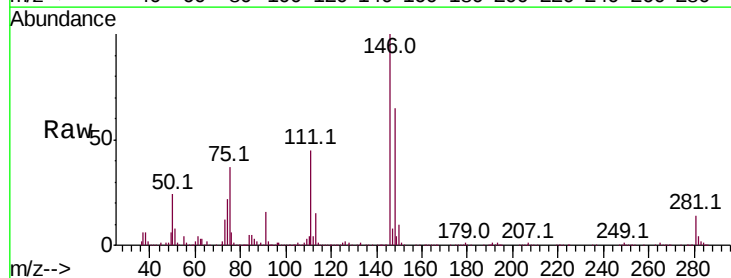
Ion	Ratio	Lower	Upper
119	100		
91	76.9	61.8	92.6
134	20.6	16.6	25.0

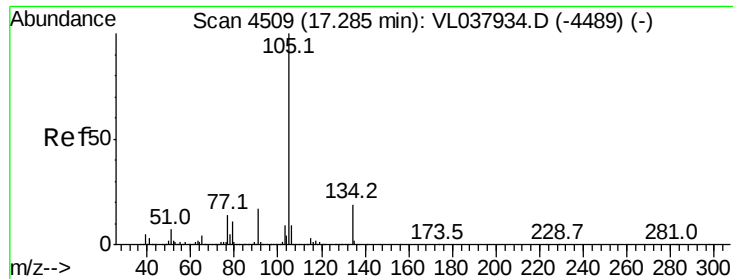


#66
Benzyl Chloride
Concen: 9.542 ppbv
RT: 16.96 min Scan# 4409
Delta R.T.: -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion: 91 Resp: 301058

Ion	Ratio	Lower	Upper
91	100		
126	17.9	13.8	20.6
128	6.3	5.1	7.7





#67

sec-Butylbenzene

Concen: 7.939 ppbv

RT: 17.27

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

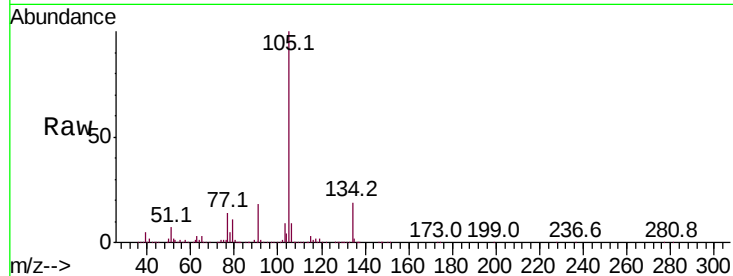
Acq: 2 Nov 2021 11:40

Tot Ion: 105 Resp: 6604482

Ion Ratio Lower Upper

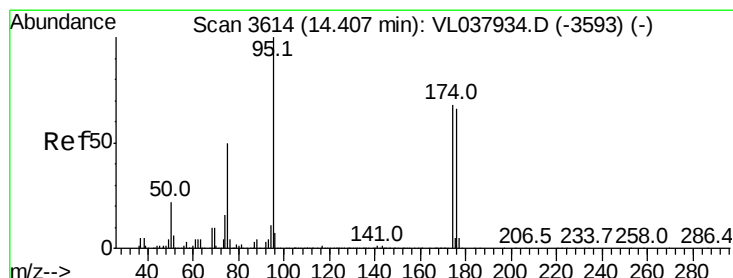
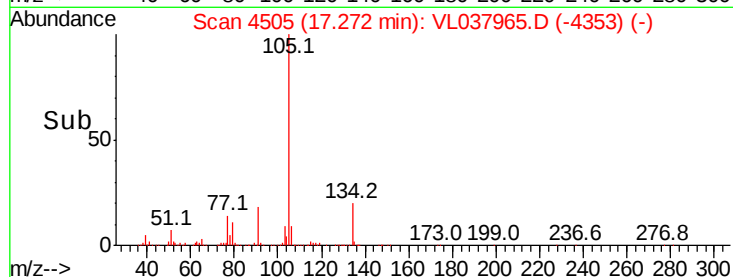
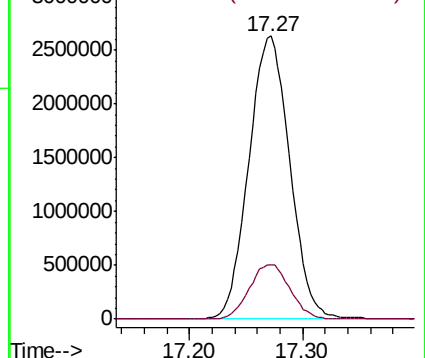
105 100

134 19.2 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.255 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.02 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

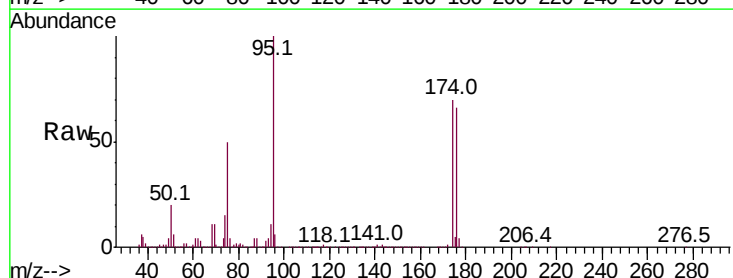
Tgt Ion: 95 Resp: 2825172

Ion Ratio Lower Upper

95 100

174 74.4 58.3 87.5

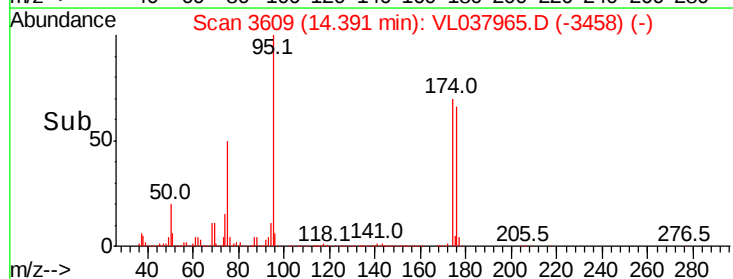
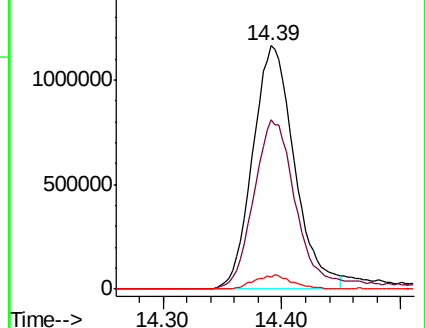
175 5.5 4.6 6.8

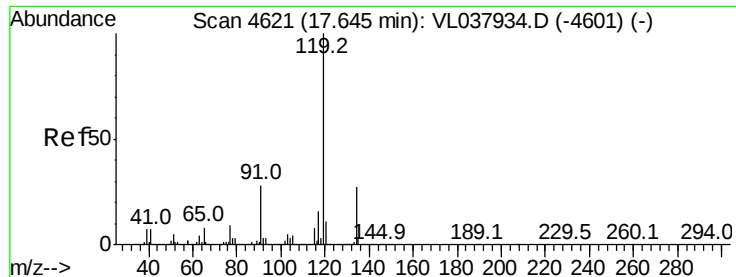


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

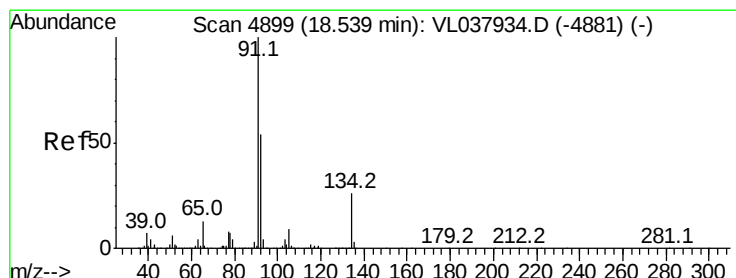
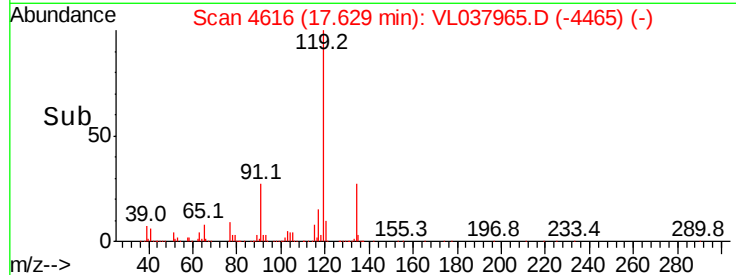
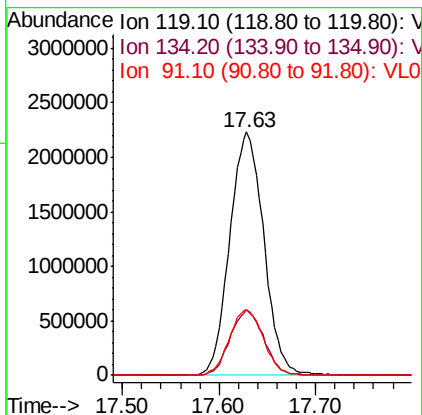
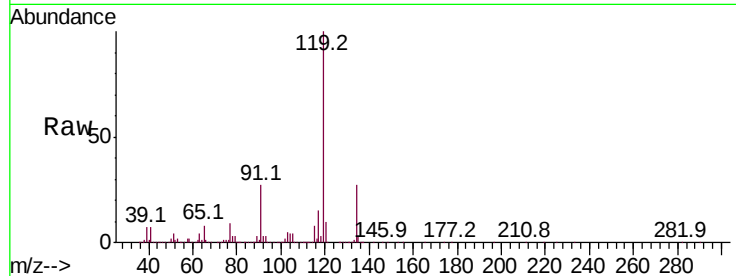
Ion 175.00 (174.70 to 175.70): V





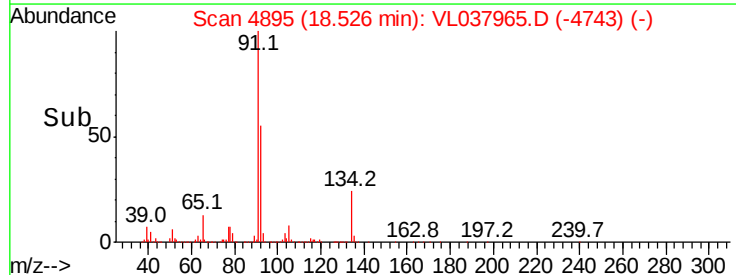
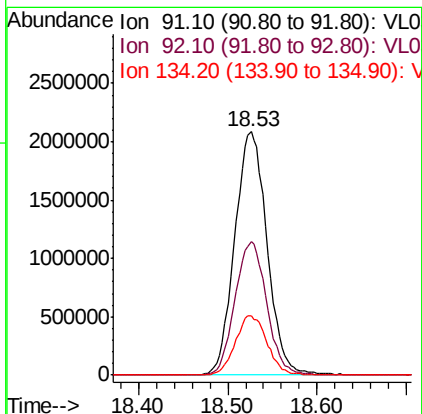
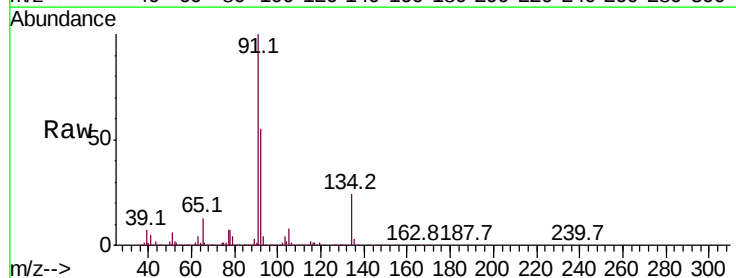
#69
 p-Isopropyltoluene
 Concen: 8.165 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1102ABS01
 Acq: 2 Nov 2021 11:40

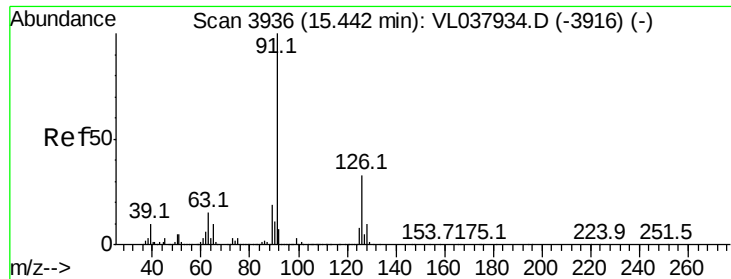
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.0	31.4
91	27.0	21.8	32.8



#70
 n-Butylbenzene
 Concen: 8.564 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.01 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

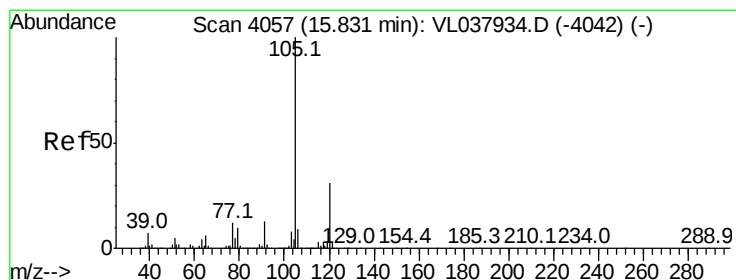
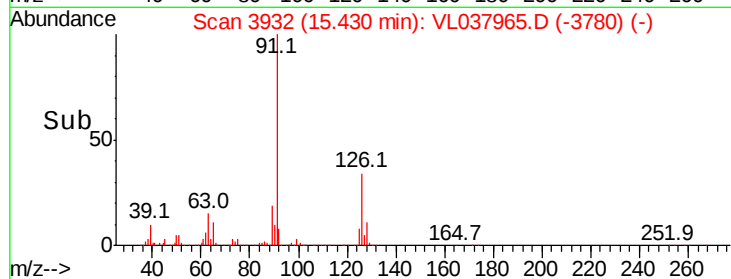
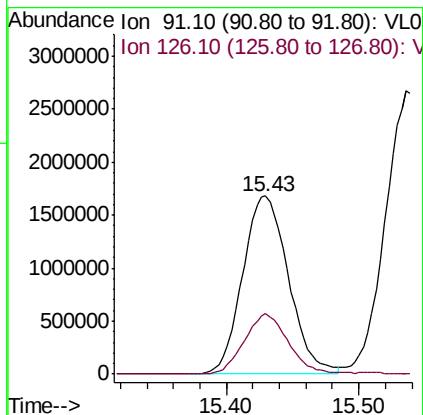
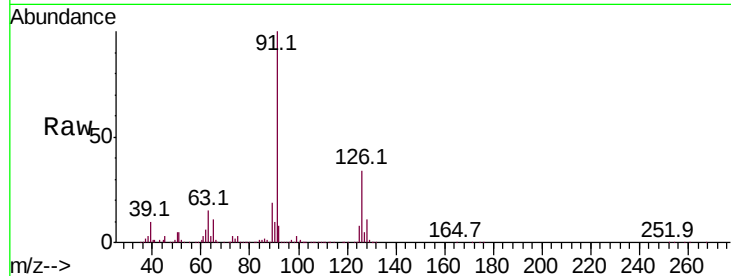
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.6	65.4
134	24.0	19.8	29.6





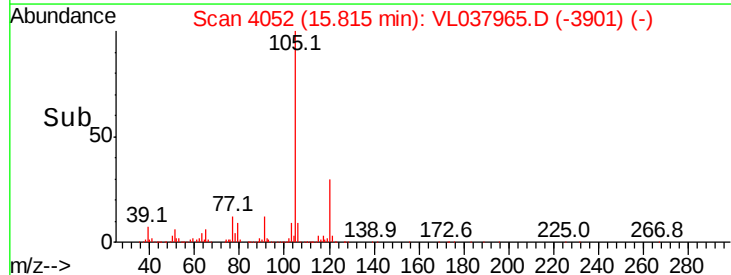
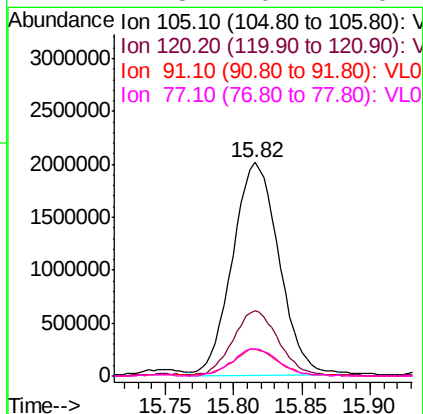
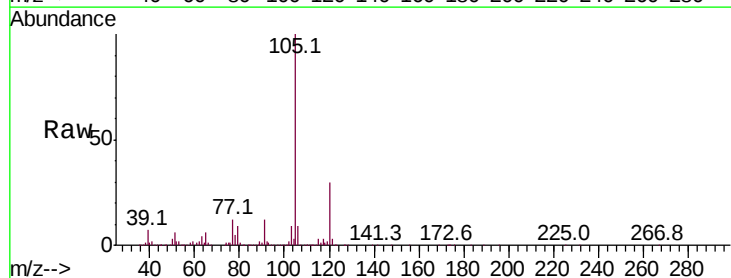
#71
 2-Chlorotoluene
 Concen: 8.446 ppbv
 RT: 15.43
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VL1102ABS01
 Acq: 2 Nov 2021 11:40

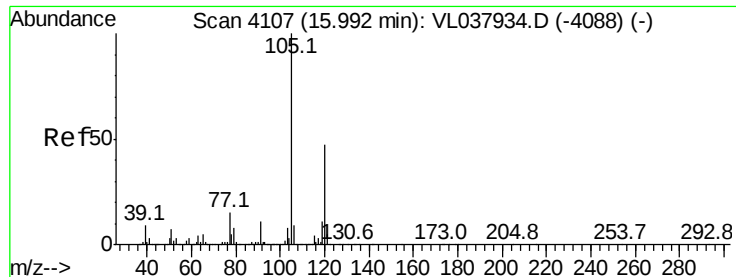
Tot Ion: 91 Resp: 4043054
 Ion Ratio Lower Upper
 91 100
 126 33.4 13.3 53.3



#72
 4-Ethyltoluene
 Concen: 8.674 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.02 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

Tgt Ion: 105 Resp: 4794950
 Ion Ratio Lower Upper
 105 100
 120 30.5 25.3 37.9
 91 12.2 9.9 14.9
 77 12.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 8.169 ppbv

RT: 15.98

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

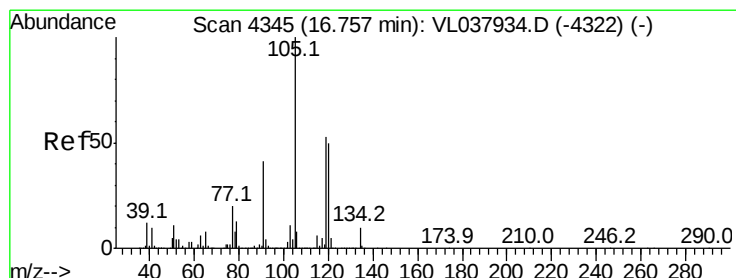
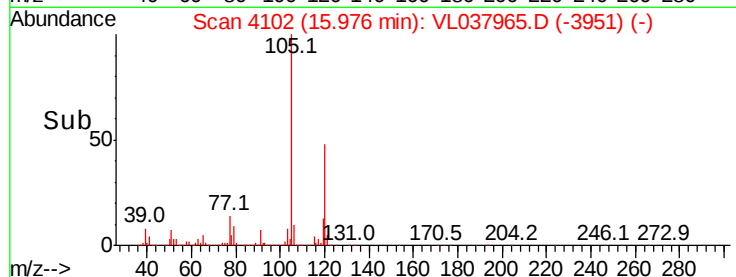
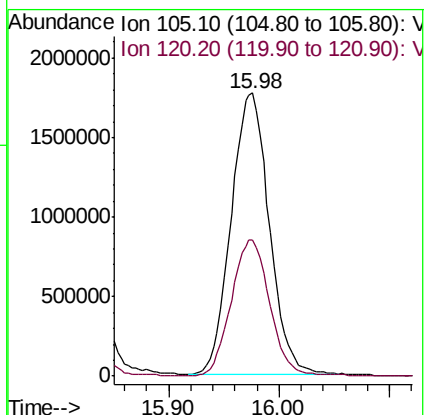
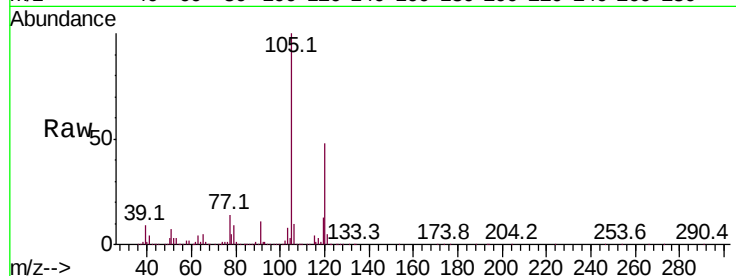
Acq: 2 Nov 2021 11:40

Tot Ion:105 Resp: 4228680

Ion Ratio Lower Upper

105 100

120 48.2 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 8.020 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.02 min

Lab File: VL037965.D

Acq: 2 Nov 2021 11:40

Tgt Ion:105 Resp: 4349556

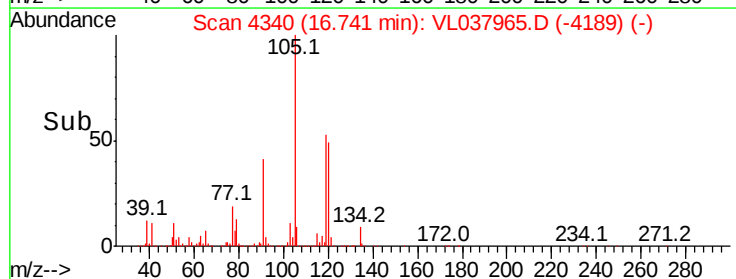
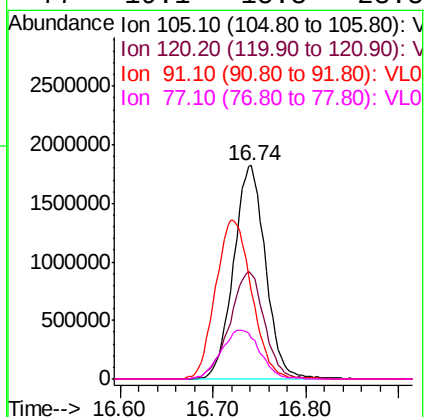
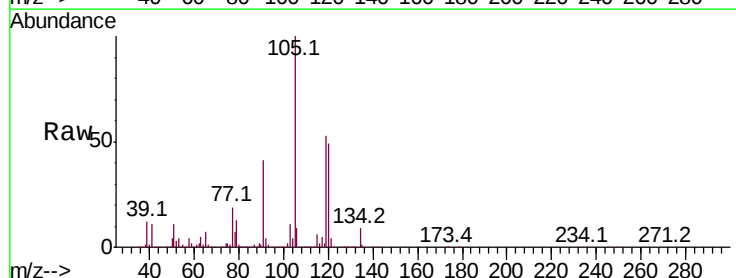
Ion Ratio Lower Upper

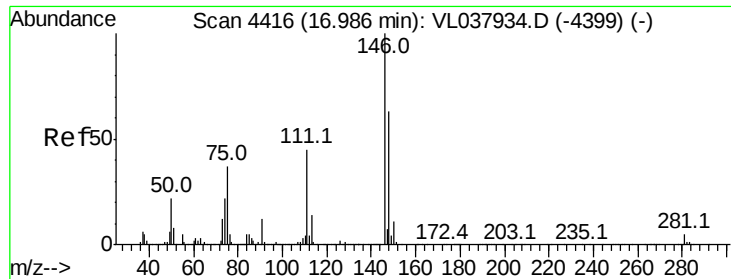
105 100

120 49.1 40.0 60.0

91 41.0 32.6 49.0

77 19.1 15.8 23.8

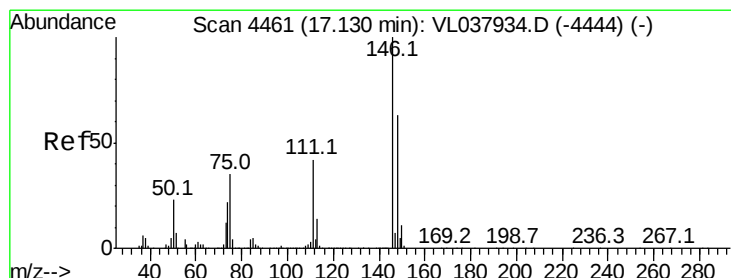
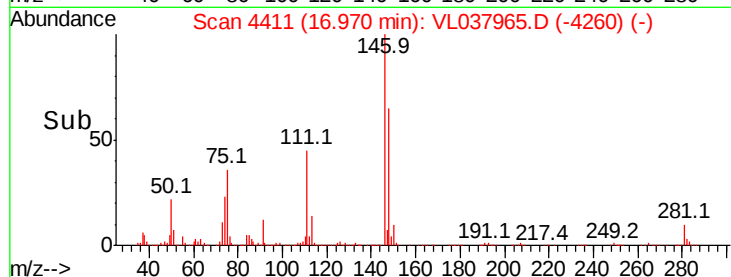
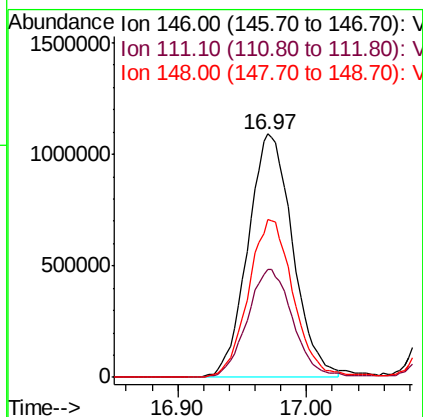
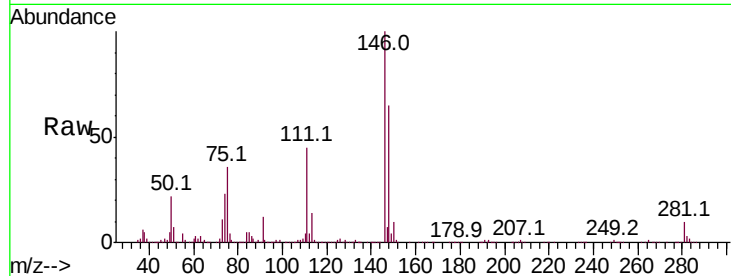




#75
 1,3-Dichlorobenzene
 Concen: 7.818 ppbv
 RT: 16.97 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: VL1102ABS01
 ClientSampleId:
 Acq: 2 Nov 2021 11:40

Tot Ion:146 Resp: 2639919

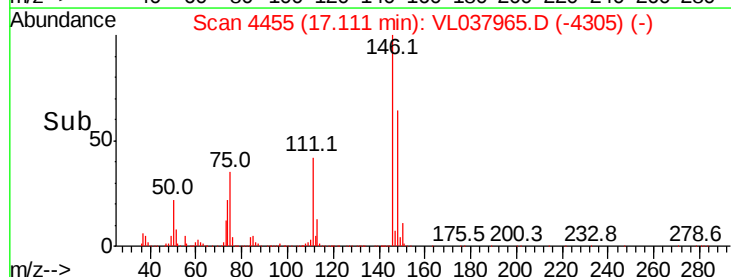
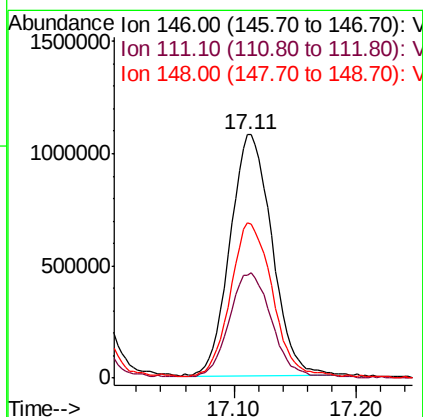
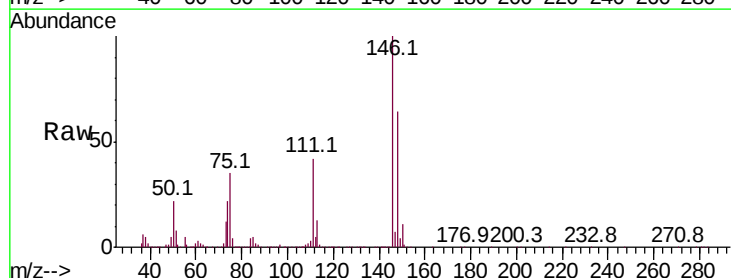
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.7	68.1
148	65.2	32.4	97.0

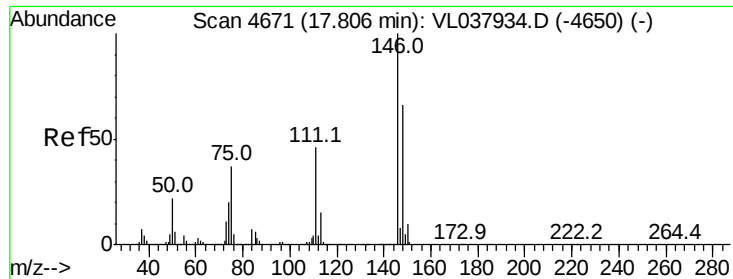


#76
 1,4-Dichlorobenzene
 Concen: 7.808 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T.: -0.02 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

Tgt Ion:146 Resp: 2551011

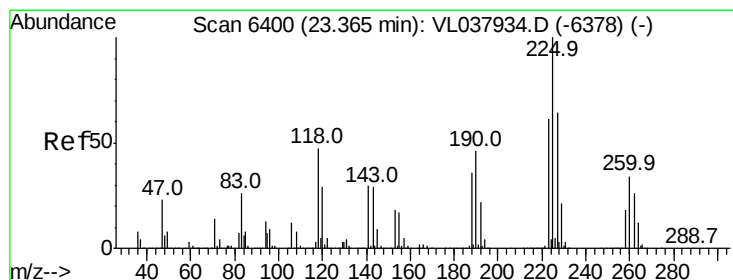
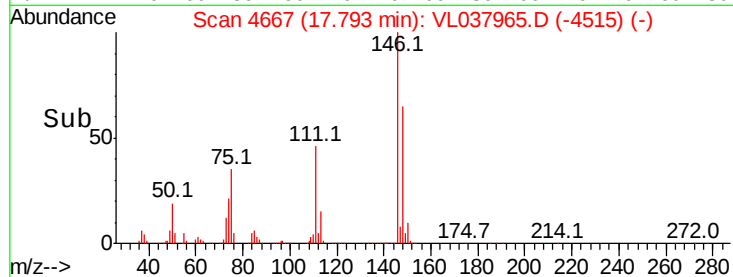
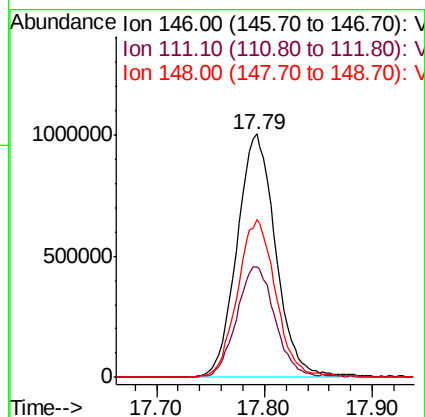
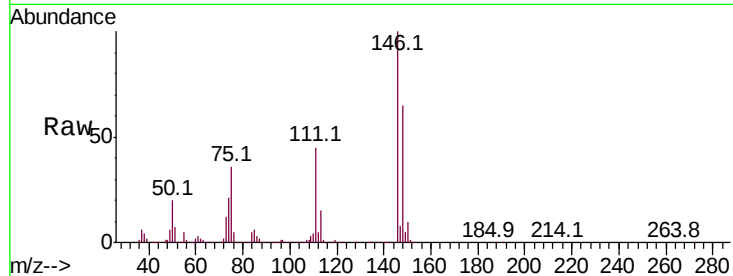
Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.7	68.1
148	66.5	33.5	100.4





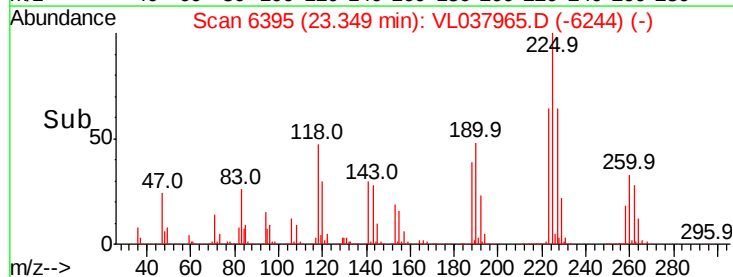
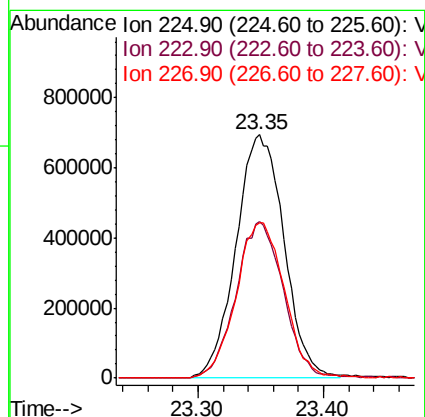
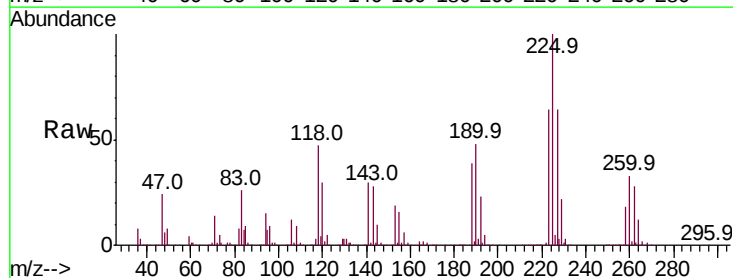
#77
 1,2-Dichlorobenzene
 Concen: 7.819 ppbv
 RT: 17.79 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1102ABS01
 Acq: 2 Nov 2021 11:40

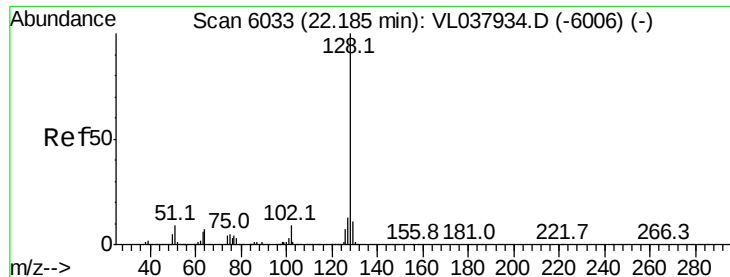
Tot Ion:146 Resp: 2479089
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.4 70.2
 148 64.6 32.6 97.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.727 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.02 min
 Lab File: VL037965.D
 Acq: 2 Nov 2021 11:40

Tgt Ion:225 Resp: 1825495
 Ion Ratio Lower Upper
 225 100
 223 64.8 50.0 75.0
 227 65.1 51.5 77.3

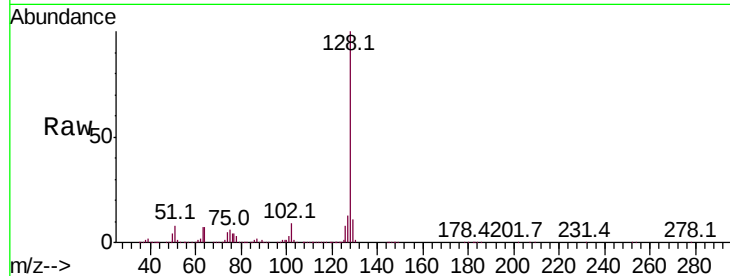




#79
Naphthalene
Concen: 10.255 ppbv
RT: 22.16
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: VL1102ABS01
Acq: 2 Nov 2021 11:40

Tot Ion:128 Resp: 3204403

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.0	9.0	13.4

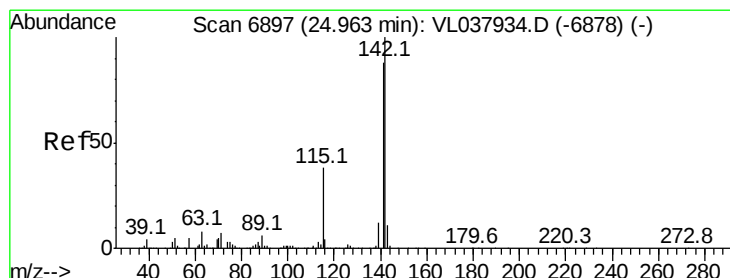
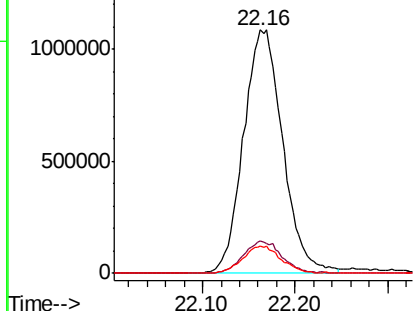
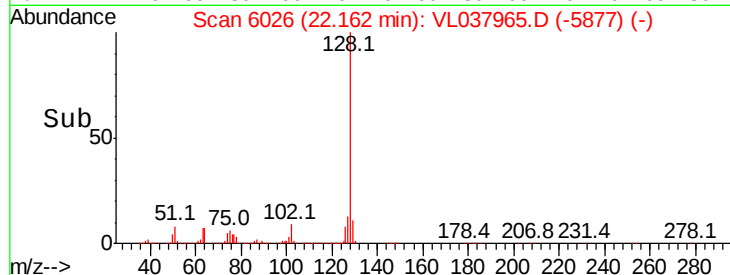


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

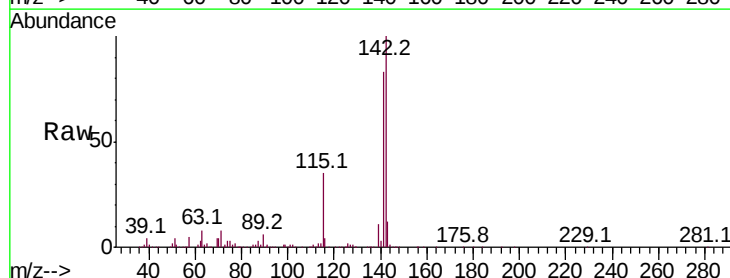
Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 13.390 ppbv
RT: 24.95 min Scan# 6893
Delta R.T.: -0.01 min
Lab File: VL037965.D
Acq: 2 Nov 2021 11:40

Tgt Ion:142 Resp: 814432

Ion	Ratio	Lower	Upper
142	100		
141	86.1	66.4	99.6
115	36.2	29.0	43.4

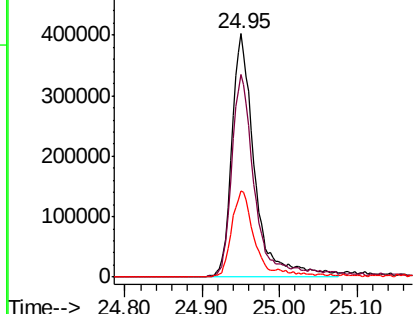
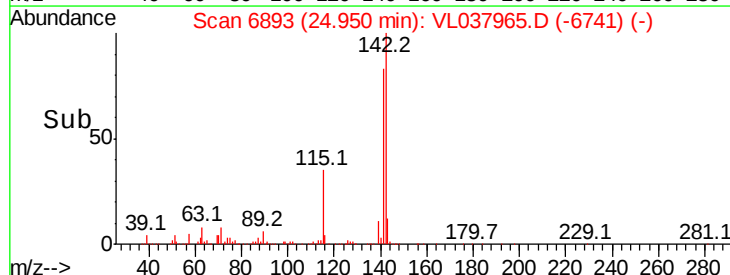


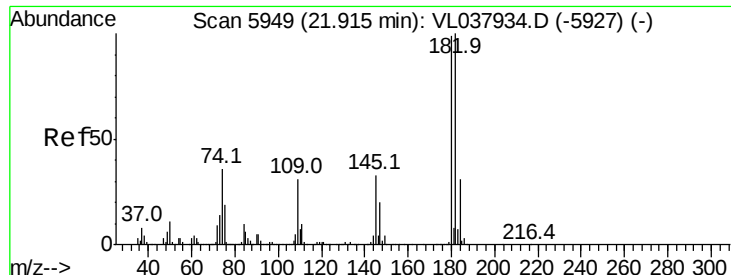
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

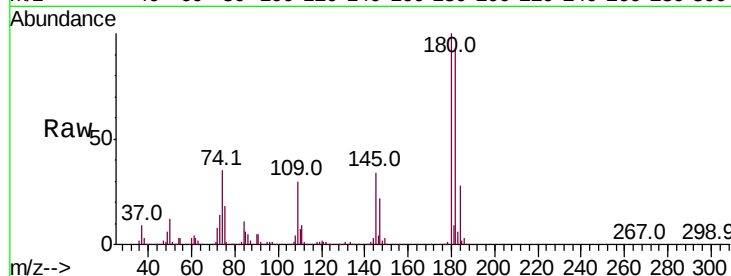
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.954 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL1102ABS01
 Acq: 2 Nov 2021 11:40

Tot Ion:180 Resp: 1821090
 Ion Ratio Lower Upper
 180 100
 182 98.2 79.3 118.9
 184 30.9 25.3 37.9



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

