

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037909.D
 Acq On : 27 Oct 2021 9:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 28 05:17:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1546783	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	4596527	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	5111465	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2872644	8.04	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1647388	6.668 ppbv	97
3) Chlorodifluoromethane	3.01	51	2667366	8.975 ppbv	100
4) Chloromethane	3.16	50	1017232	9.345 ppbv	94
5) Vinyl Chloride	3.28	62	1019683	10.219 ppbv	97
6) Bromomethane	3.50	94	495622	9.182 ppbv	97
7) Chloroethane	3.58	64	351160	9.571 ppbv	93
8) Dichlorotetrafluoroethane	3.21	85	2246445	9.199 ppbv	98
9) Propene	3.03	41	977882	8.942 ppbv	99
10) Heptane	8.15	43	2489267	10.023 ppbv	100
11) Trichlorofluoromethane	3.97	101	2068619	9.385 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1622836	9.717 ppbv	99
13) Ethanol	3.64	45	13975	1.563 ppbv #	1
14) Bromoethene	3.76	108	708040	9.642 ppbv	93
15) Acetone	3.87	43	1484568	10.692 ppbv	99
16) 1,3-Butadiene	3.35	39	976973	9.670 ppbv	98
17) tert-Butyl alcohol	4.31	59	1458449	10.198 ppbv	98
18) 1,1-Dichloroethene	4.31	96	727158	9.580 ppbv	99
19) Isopropyl Alcohol	3.99	45	805148	9.320 ppbv #	95
20) Methylene Chloride	4.37	84	617314	8.799 ppbv	97
21) Allyl Chloride	4.44	41	1157104	9.406 ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	739778	9.695 ppbv	98
23) Vinyl Acetate	5.10	43	1910810	9.183 ppbv	99
24) 1,1-Dichloroethane	5.04	63	1493435	9.859 ppbv	99
25) Ethyl Acetate	5.70	43	3789857	9.727 ppbv	99
26) Hexane	5.71	57	1779861	9.277 ppbv	98
27) Carbon Disulfide	4.57	76	1809544	10.642 ppbv	98
28) Methyl tert-Butyl Ether	5.06	73	1456176	9.116 ppbv	100
29) Chloroform	5.78	83	2514838	9.170 ppbv	99
30) Cyclohexane	7.16	84	1524910	9.373 ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1639965	9.415 ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	2425120	9.327 ppbv	99
34) 2-Butanone	5.27	43	1671860	9.010 ppbv	99
35) Carbon Tetrachloride	7.04	117	2538292	9.723 ppbv	99
36) Benzene	6.92	78	3761667	9.581 ppbv	98
37) 1,2-Dichloroethane	6.34	62	1754504	9.491 ppbv	99
38) Trichloroethene	7.86	130	1513578	9.758 ppbv	97
39) 1,2-Dichloropropane	7.64	63	1425624	9.654 ppbv	97
40) 1,4-Dioxane	7.86	88	241758	6.542 ppbv #	100
41) Tetrahydrofuran	6.08	42	853198	9.390 ppbv	99
42) Bromodichloromethane	7.82	83	2701884	9.950 ppbv	99
43) Methyl Methacrylate	8.04	69	1365142	10.646 ppbv	96

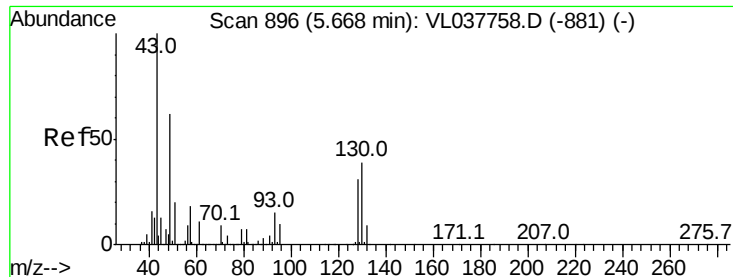
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037909.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	6232342	9.448	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	883065	10.008	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1272620	10.406	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1516613	9.447	ppbv	97
48) Dibromochloromethane	10.33	129	2373949	10.373	ppbv	99
49) Bromoform	13.07	173	1940013	11.079	ppbv	96
50) 4-Methyl-2-Pentanone	8.77	43	2445243	10.122	ppbv	99
51) 2-Hexanone	10.16	43	1125686	10.438	ppbv #	99
52) Tetrachloroethene	11.26	164	1360690	8.908	ppbv	98
53) Toluene	9.83	91	4326836	9.945	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2111352	9.736	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1658410	7.837	ppbv	95
57) Chlorobenzene	12.18	112	3240059	7.727	ppbv	96
58) Ethyl Benzene	12.74	91	5546391	8.081	ppbv	99
59) m/p-Xylene	13.02	91	4994682	8.477	ppbv #	35
60) o-Xylene	13.72	91	4353924	7.711	ppbv	98
61) Styrene	13.55	104	2421544	8.866	ppbv	100
62) Isopropylbenzene	14.70	105	6110238	7.758	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3098274	7.111	ppbv	96
64) n-propylbenzene	15.59	120	1647440	8.388	ppbv	100
65) tert-Butylbenzene	16.77	119	5430421	7.836	ppbv	99
66) Benzyl Chloride	17.01	91	279779	8.180	ppbv #	99
67) sec-Butylbenzene	17.32	105	7573307	7.990	ppbv	100
69) p-Isopropyltoluene	17.68	119	6332579	8.264	ppbv	100
70) n-Butylbenzene	18.57	91	6318054	8.679	ppbv	99
71) 2-Chlorotoluene	15.48	91	4431323	7.968	ppbv	98
72) 4-Ethyltoluene	15.87	105	5578089	8.701	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4926610	8.460	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	5034653	8.233	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	3105796	8.197	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2832753	7.838	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	2955668	8.121	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	2237678	7.530	ppbv	100
79) Naphthalene	22.22	128	3770777	10.068	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	962345	9.569	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2257117	9.423	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 27 Oct 2021 9:10

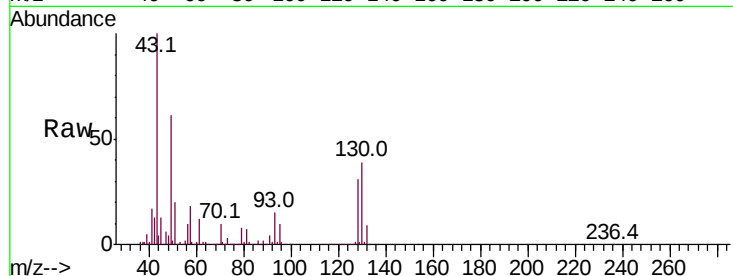
Tot Ion: 49 Resp: 1546783

Ion Ratio Lower Upper

49 100

128 54.5 27.1 81.3

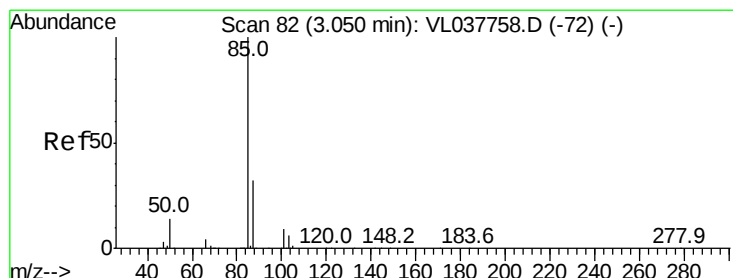
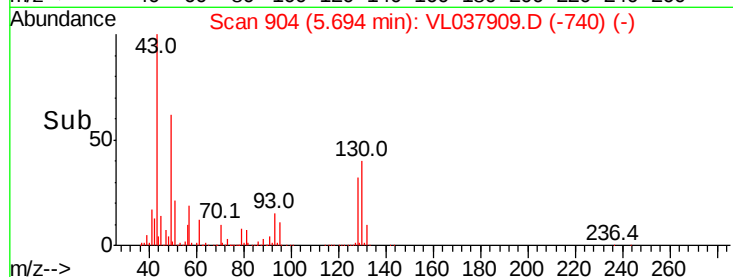
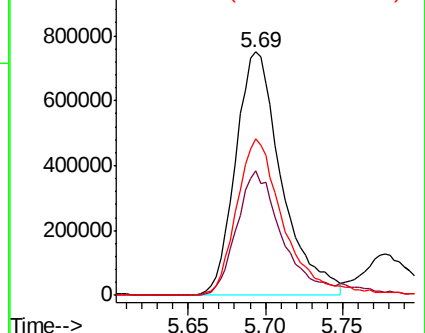
130 67.3 33.2 99.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 6.668 ppbv

RT: 3.07 min Scan# 88

Delta R.T. 0.02 min

Lab File: VL037909.D

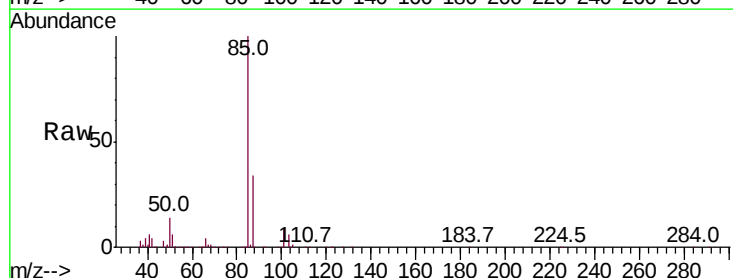
Acq: 27 Oct 2021 9:10

Tgt Ion: 85 Resp: 1647388

Ion Ratio Lower Upper

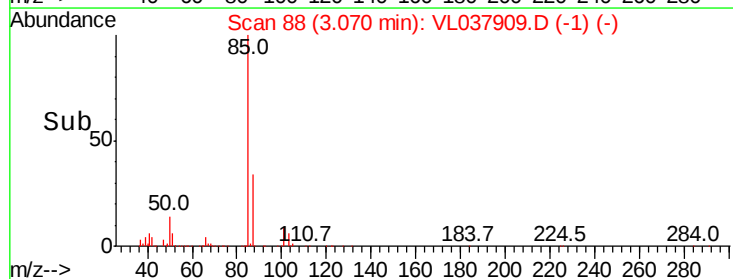
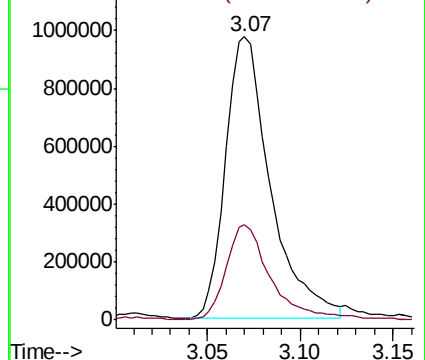
85 100

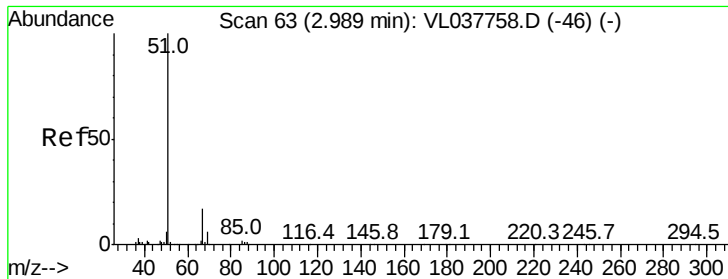
87 33.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.975 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

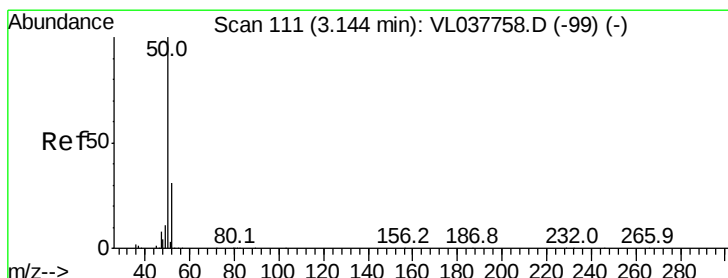
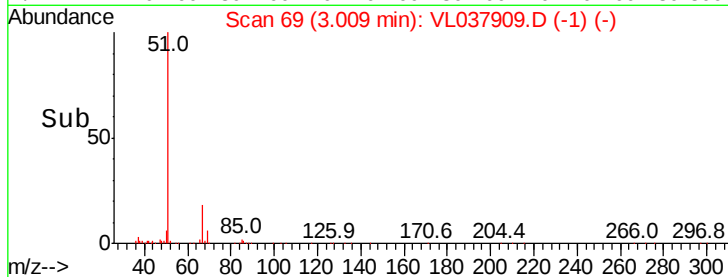
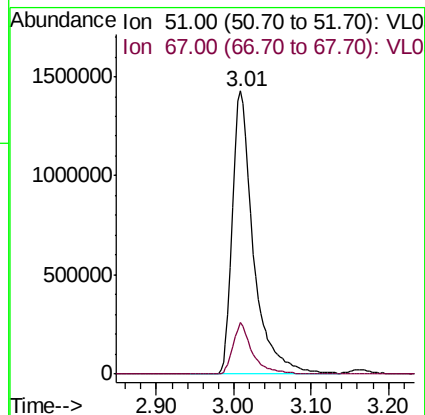
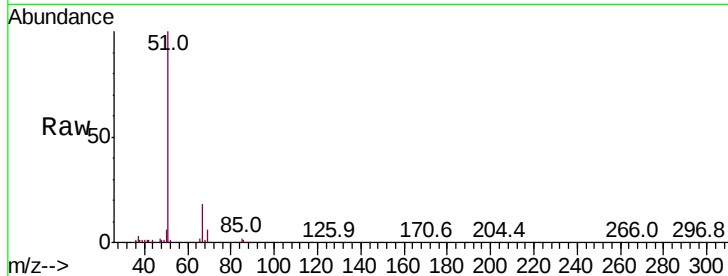
Acq: 27 Oct 2021 9:10

Tot Ion: 51 Resp: 2667366

Ion Ratio Lower Upper

51 100

67 16.8 13.5 20.3



#4

Chloromethane

Concen: 9.345 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.02 min

Lab File: VL037909.D

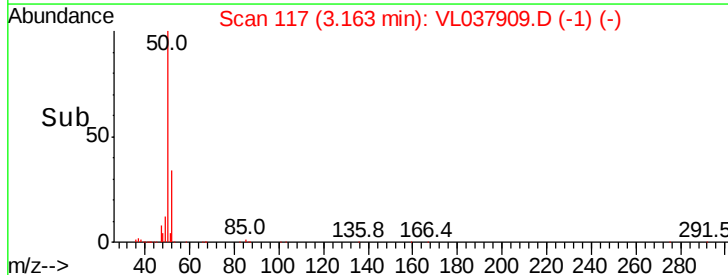
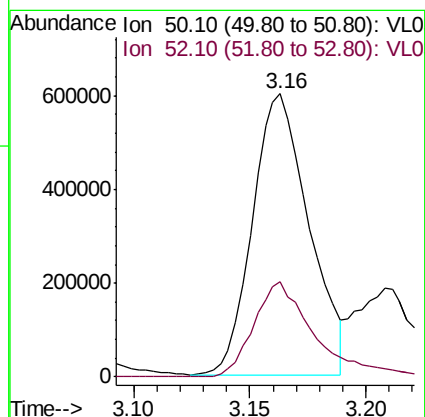
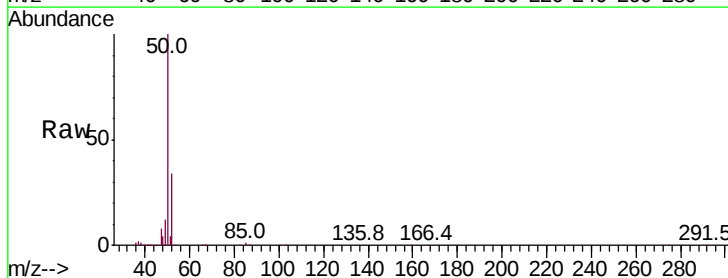
Acq: 27 Oct 2021 9:10

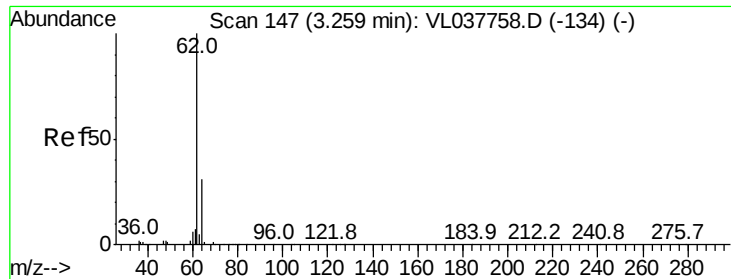
Tgt Ion: 50 Resp: 1017232

Ion Ratio Lower Upper

50 100

52 33.9 24.4 36.6





#5

Vinyl Chloride

Concen: 10.219 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

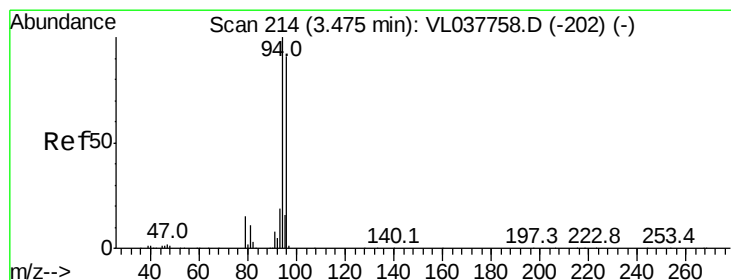
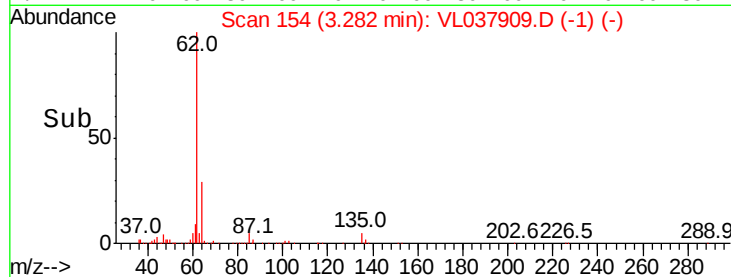
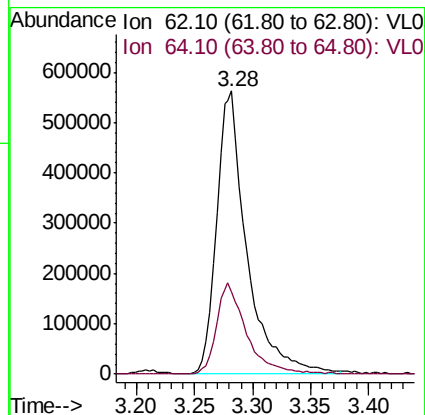
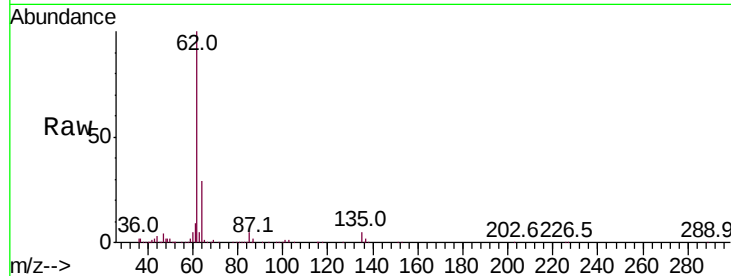
Acq: 27 Oct 2021 9:10 VSTDCCC010

Tot Ion: 62 Resp: 1019683

Ion Ratio Lower Upper

62 100

64 29.2 24.9 37.3



#6

Bromomethane

Concen: 9.182 ppbv

RT: 3.50 min Scan# 221

Delta R.T. 0.02 min

Lab File: VL037909.D

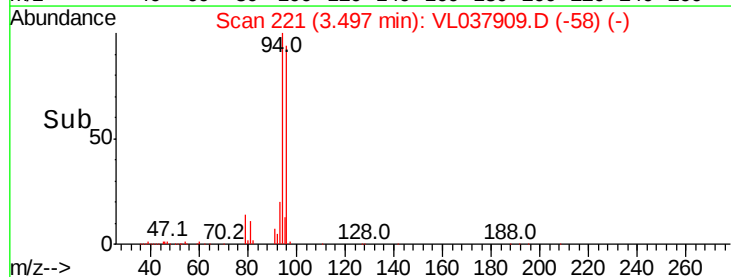
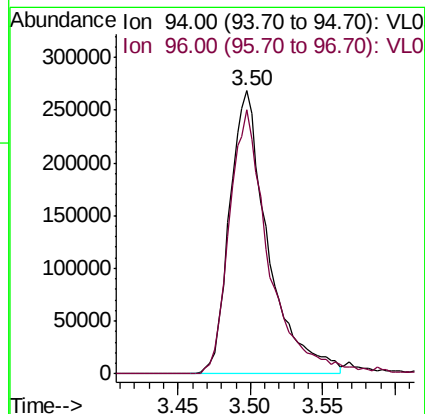
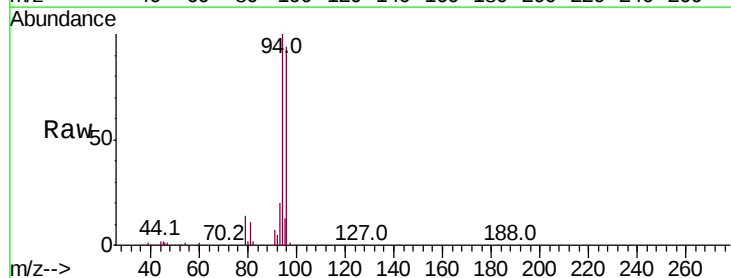
Acq: 27 Oct 2021 9:10

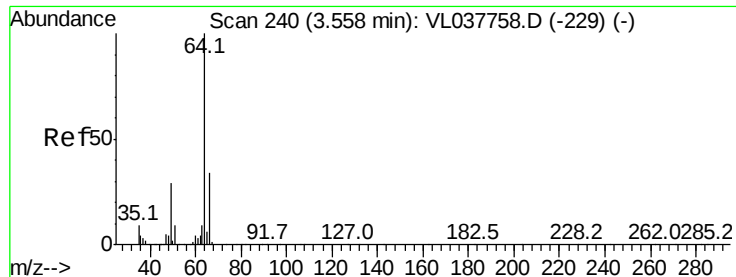
Tgt Ion: 94 Resp: 495622

Ion Ratio Lower Upper

94 100

96 93.4 72.5 108.7





#7

Chloroethane

Concen: 9.571 ppbv

RT: 3.58 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

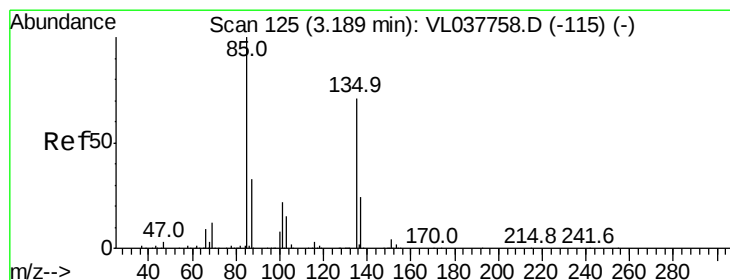
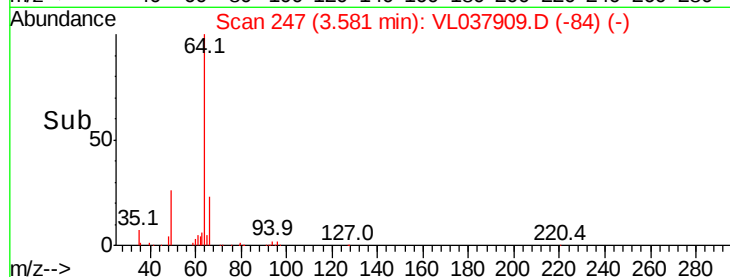
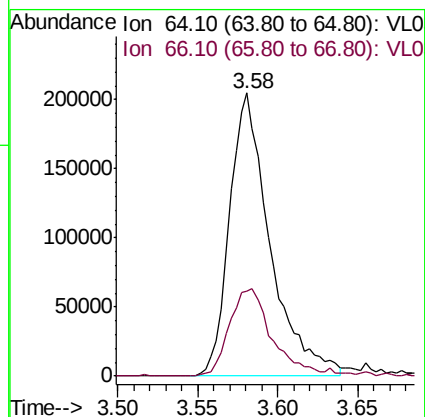
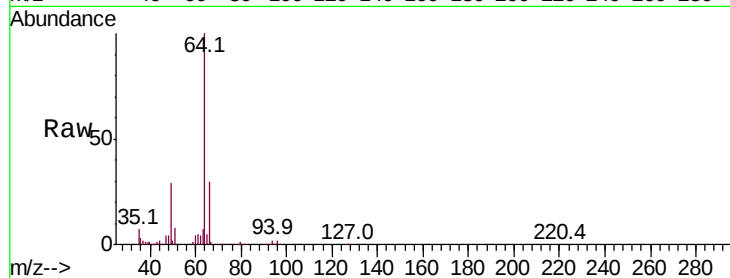
Acq: 27 Oct 2021 9:10

Tot Ion: 64 Resp: 351160

Ion Ratio Lower Upper

64 100

66 30.2 27.5 41.3



#8

Dichlorotetrafluoroethane

Concen: 9.199 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.02 min

Lab File: VL037909.D

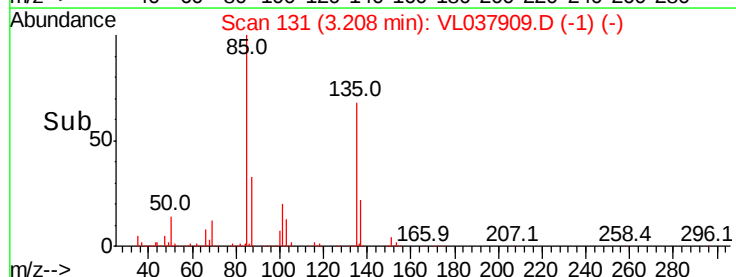
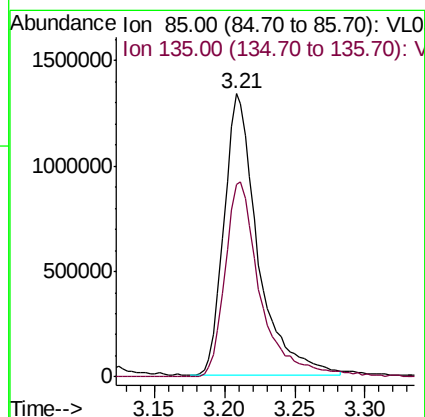
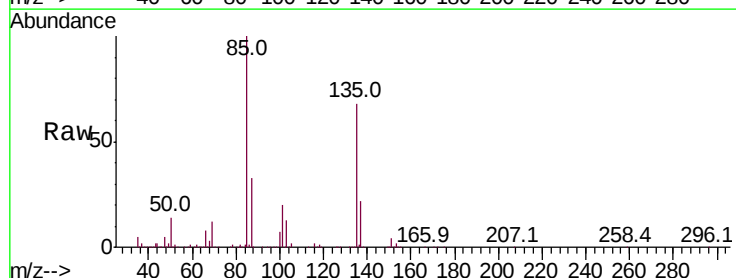
Acq: 27 Oct 2021 9:10

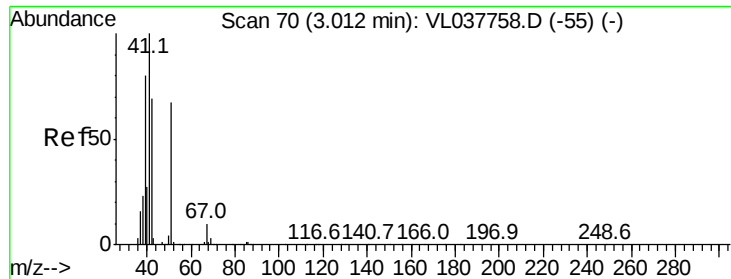
Tgt Ion: 85 Resp: 2246445

Ion Ratio Lower Upper

85 100

135 73.1 59.5 89.3





#9

Propene

Concen: 8.942 ppbv

RT: 3.03 Instrument: MSVOA_1

Delta R.T. 0.03

Lab File: ClientSampleId: VSTDCCC010

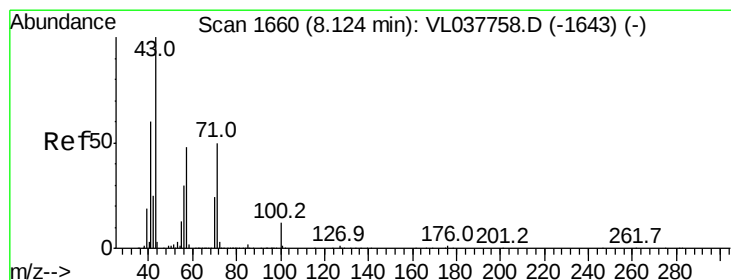
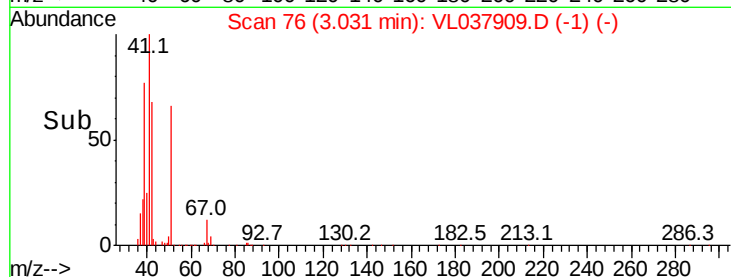
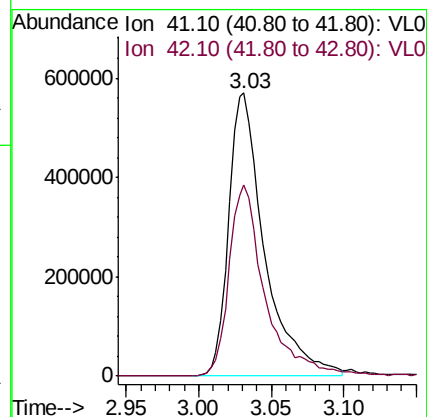
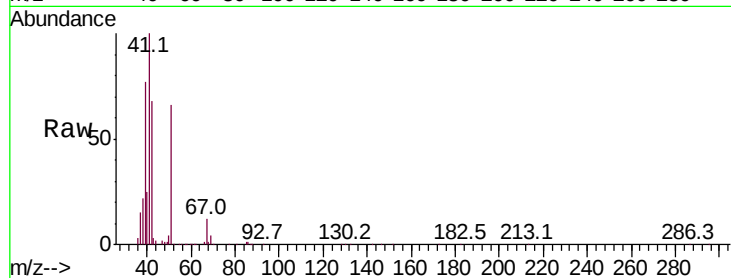
Acq: 27 Oct 2021 9:10

Tot Ion: 41 Resp: 977882

Ion Ratio Lower Upper

41 100

42 68.7 54.2 81.2



#10

Heptane

Concen: 10.023 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.03 min

Lab File: VL037909.D

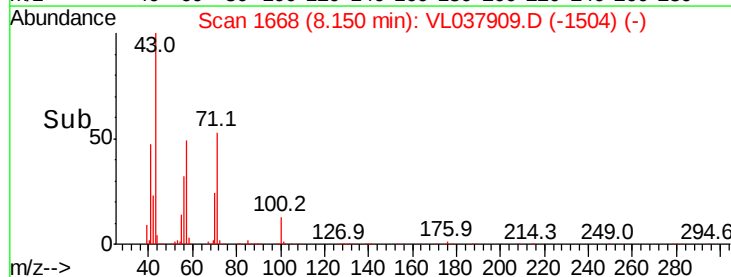
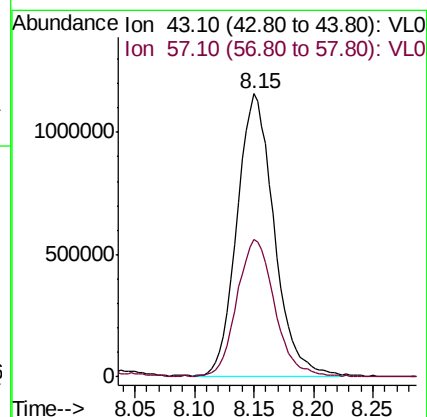
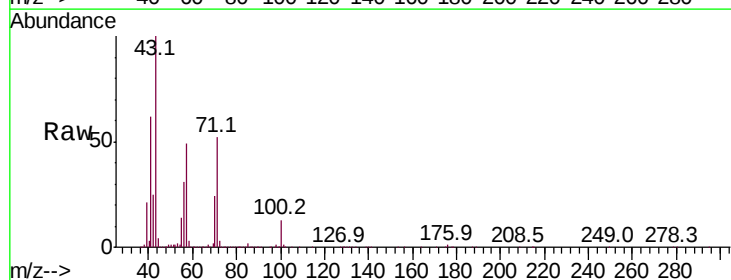
Acq: 27 Oct 2021 9:10

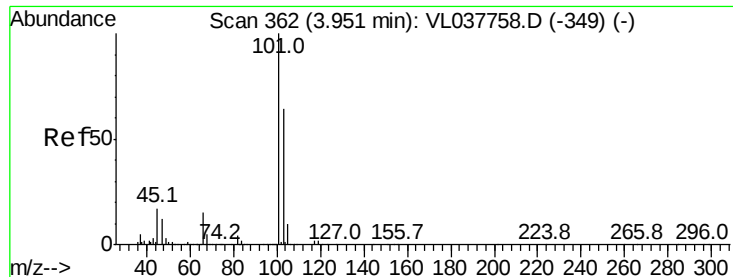
Tgt Ion: 43 Resp: 2489267

Ion Ratio Lower Upper

43 100

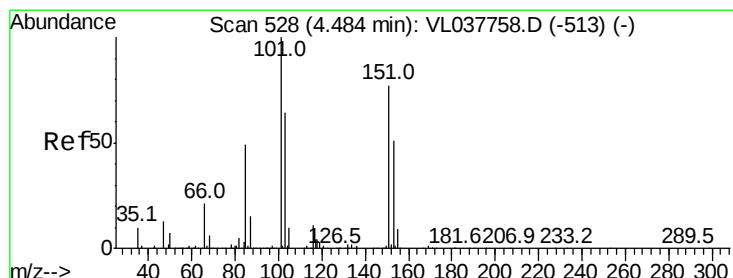
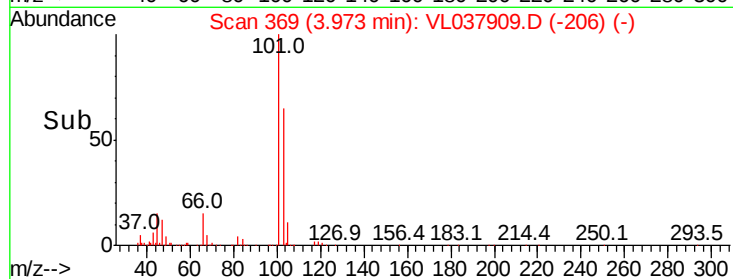
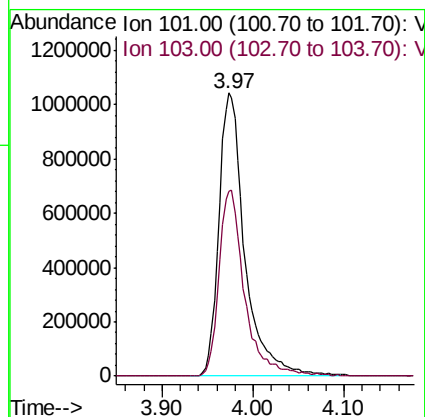
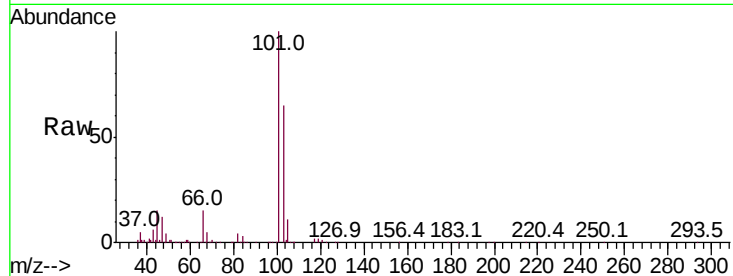
57 50.0 40.0 60.0





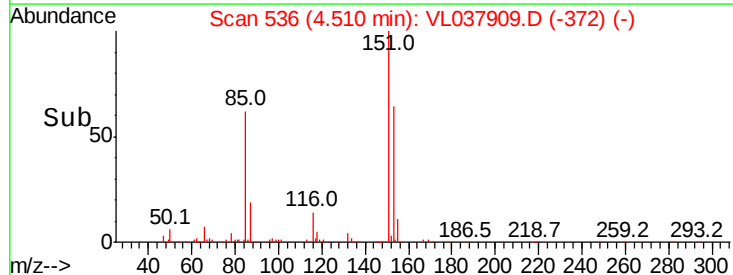
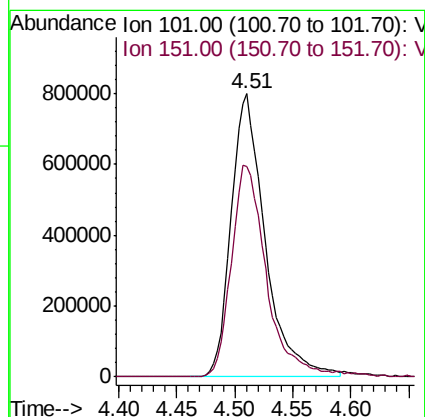
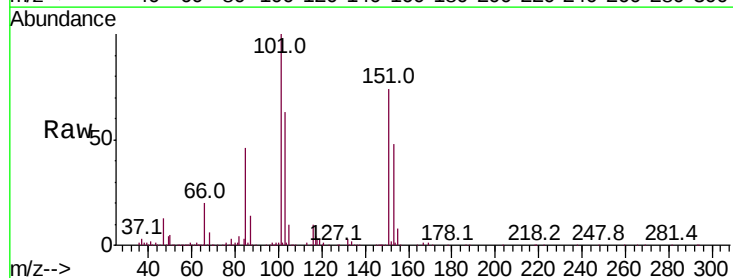
#11
 Trichlorofluoromethane
 Concen: 9.385 ppbv
 RT: 3.97
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Oct 2021 9:10

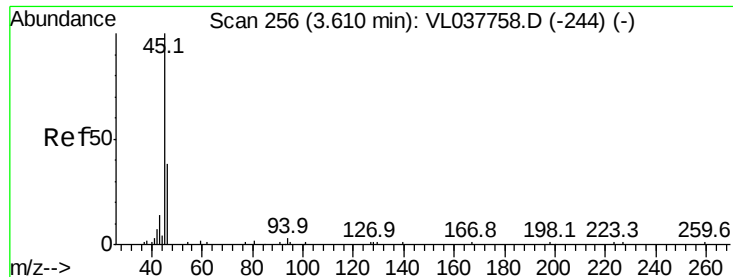
Tot Ion:101 Resp: 2068619
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.717 ppbv
 RT: 4.51 min Scan# 536
 Delta R.T. 0.03 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

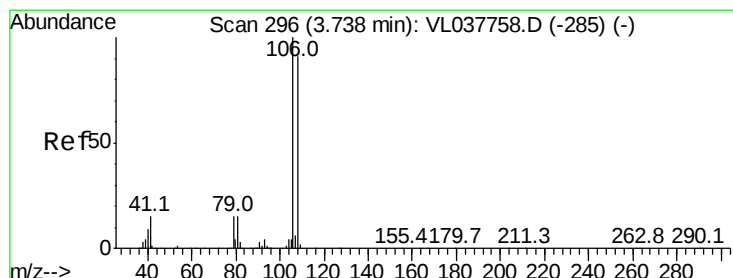
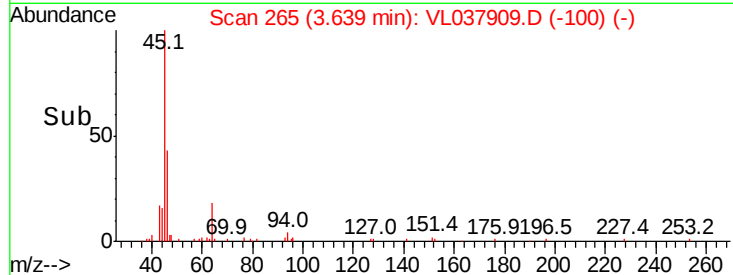
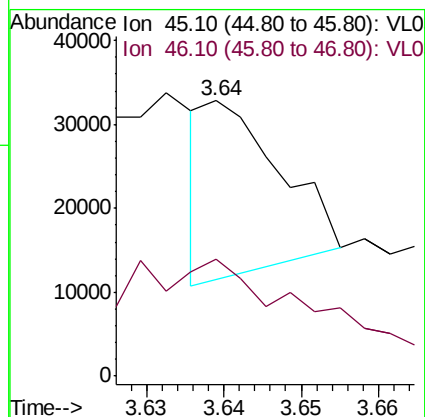
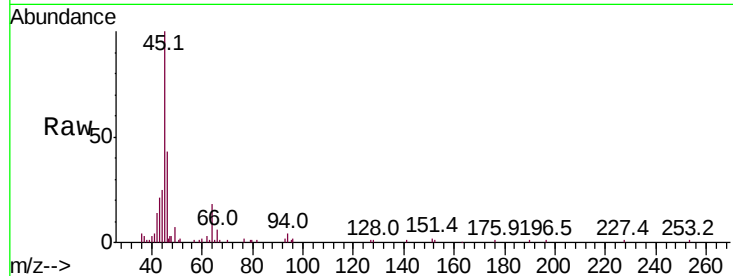
Tgt Ion:101 Resp: 1622836
 Ion Ratio Lower Upper
 101 100
 151 78.1 62.9 94.3





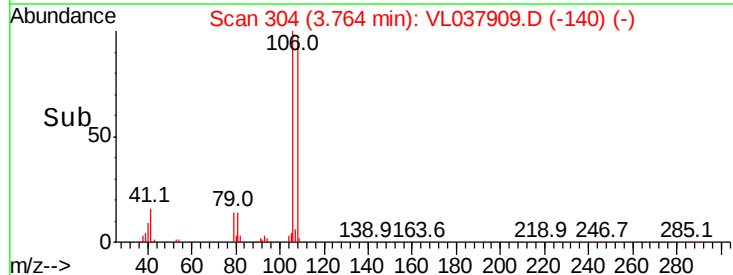
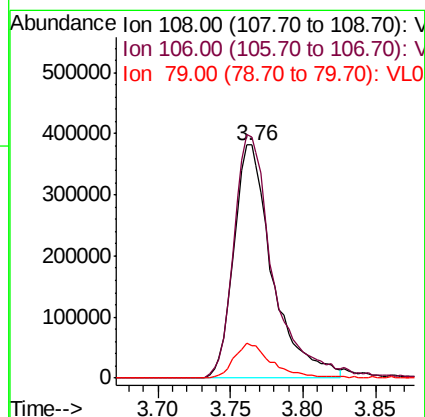
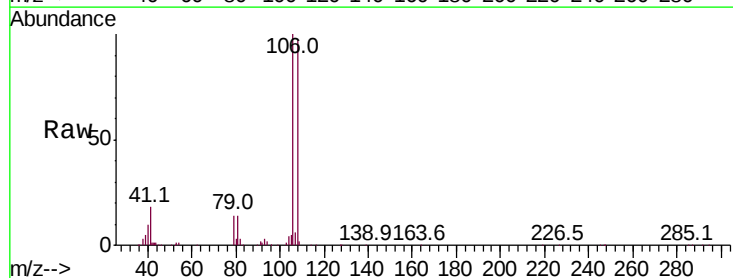
#13
Ethanol
Concen: 1.563 ppbv
RT: 3.64
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 27 Oct 2021 9:10

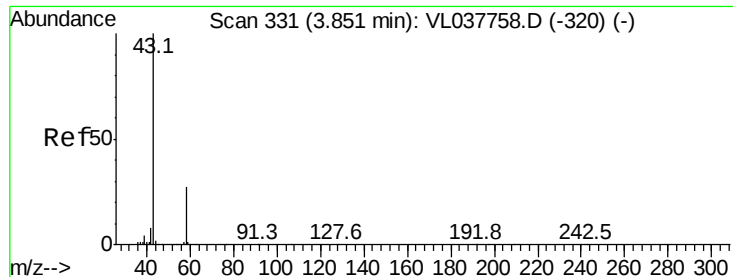
Tot Ion: 45 Resp: 13975
Ion Ratio Lower Upper
45 100
46 272.9 20.2 81.0#



#14
Bromoethene
Concen: 9.642 ppbv
RT: 3.76 min Scan# 304
Delta R.T. 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tgt Ion: 108 Resp: 708040
Ion Ratio Lower Upper
108 100
106 107.6 91.9 137.9
79 15.1 13.9 20.9





#15

Acetone

Concen: 10.692 ppbv

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

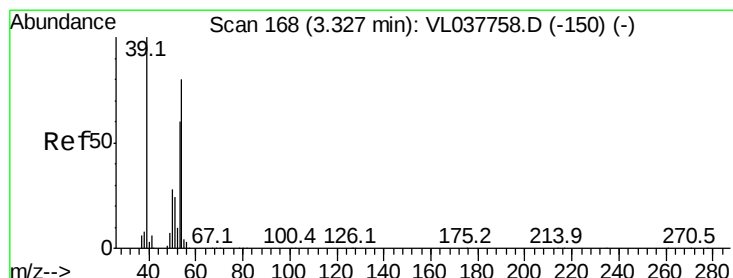
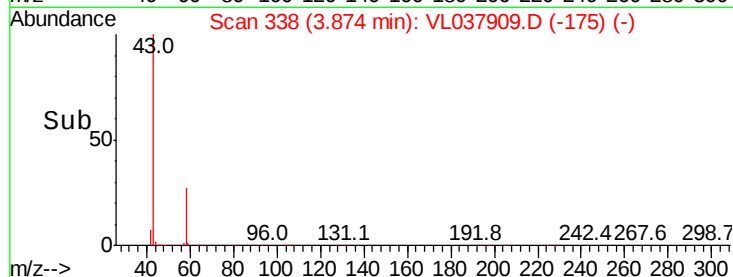
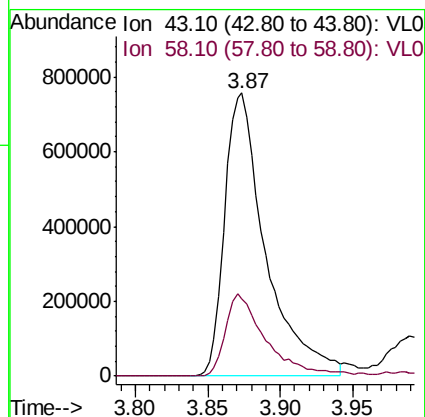
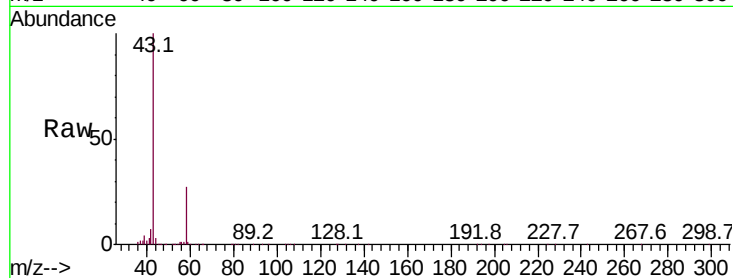
Acq: 27 Oct 2021 9:10

Tot Ion: 43 Resp: 1484568

Ion Ratio Lower Upper

43 100

58 29.1 23.0 34.6



#16

1,3-Butadiene

Concen: 9.670 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.02 min

Lab File: VL037909.D

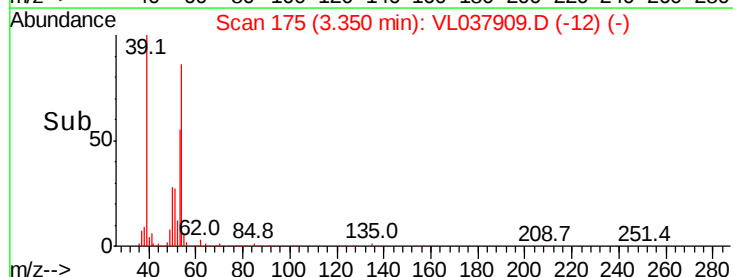
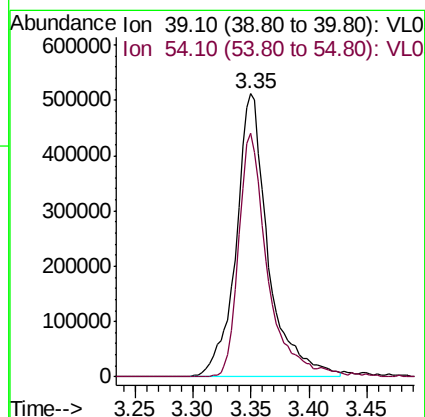
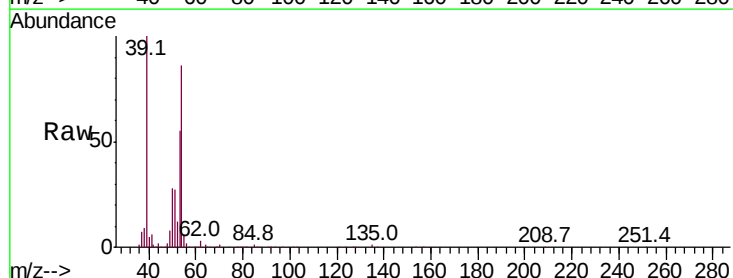
Acq: 27 Oct 2021 9:10

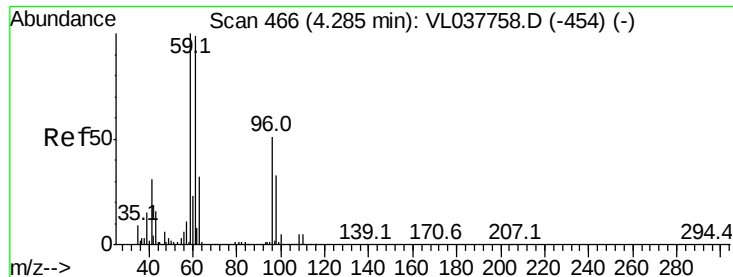
Tgt Ion: 39 Resp: 976973

Ion Ratio Lower Upper

39 100

54 78.8 61.7 92.5





#17

tert-Butyl alcohol

Concen: 10.198 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

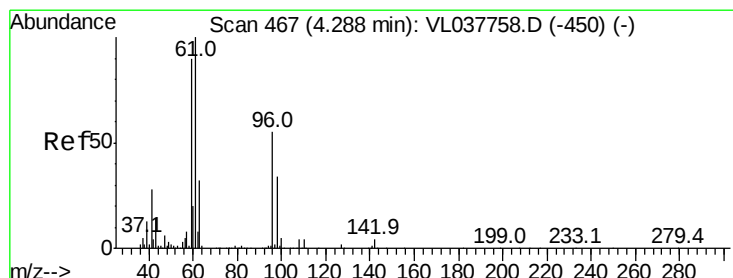
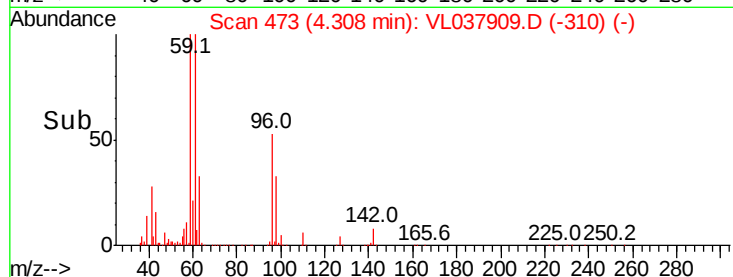
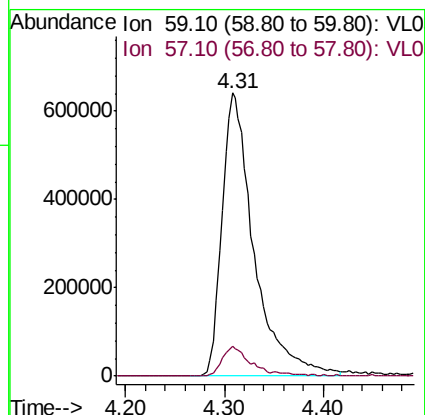
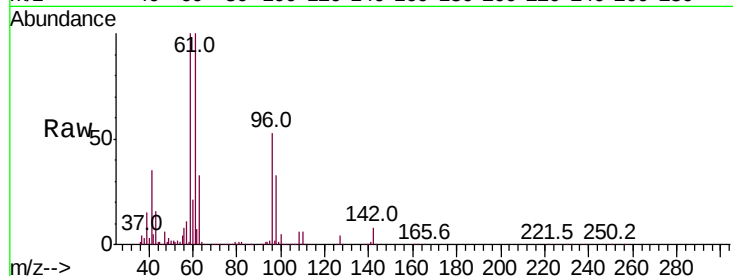
Acq: 27 Oct 2021 9:10 VSTDCCC010

Tot Ion: 59 Resp: 1458449

Ion Ratio Lower Upper

59 100

57 10.0 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.580 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.03 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

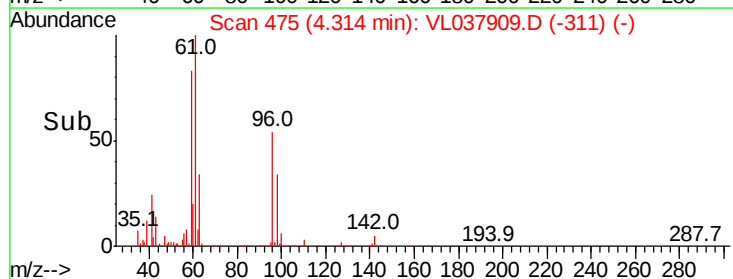
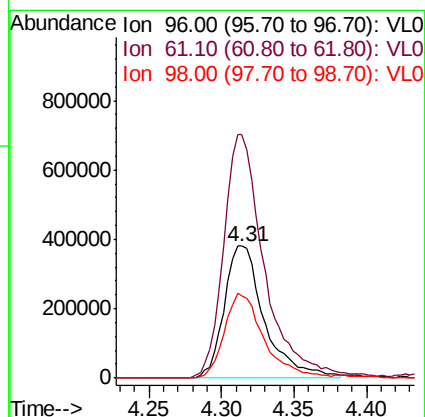
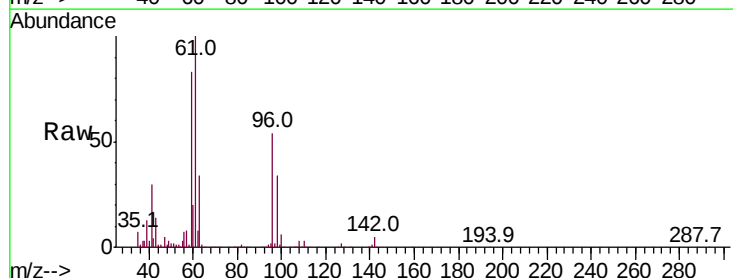
Tgt Ion: 96 Resp: 727158

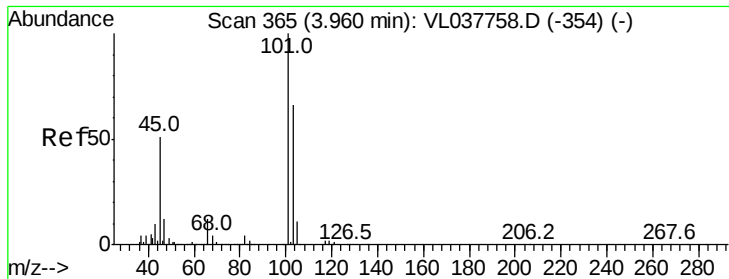
Ion Ratio Lower Upper

96 100

61 184.3 146.2 219.4

98 62.2 50.0 75.0





#19

Isopropyl Alcohol

Concen: 9.320 ppbv

RT: 3.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

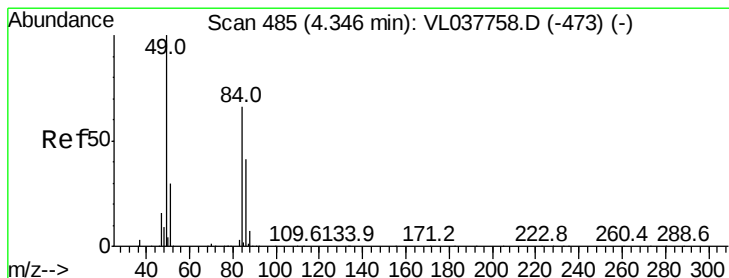
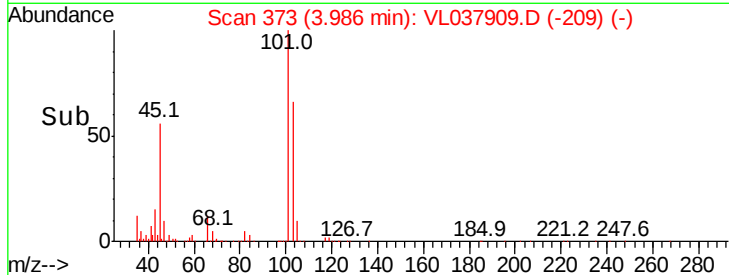
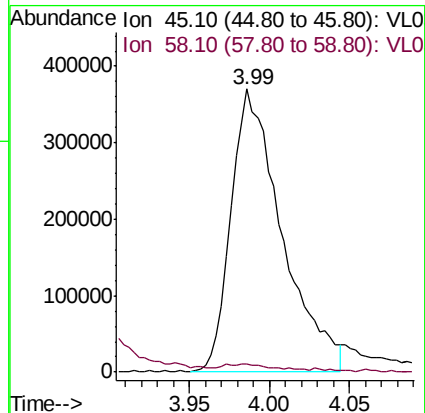
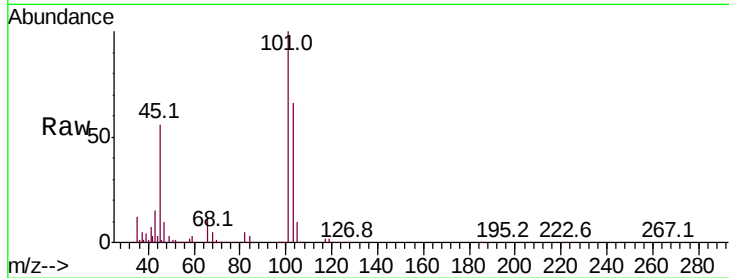
Acq: 27 Oct 2021 9:10

Tot Ion: 45 Resp: 805148

Ion Ratio Lower Upper

45 100

58 3.3 1.1 1.7#



#20

Methylene Chloride

Concen: 8.799 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.02 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion: 84 Resp: 617314

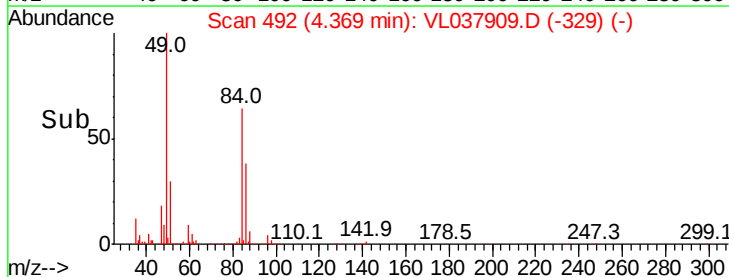
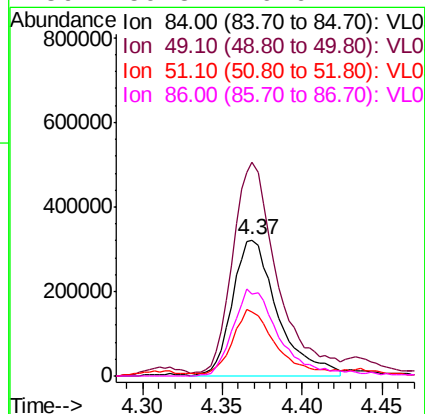
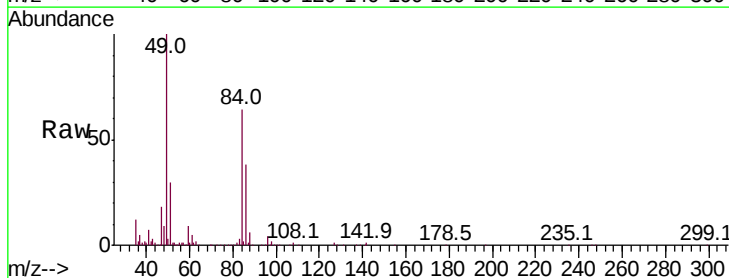
Ion Ratio Lower Upper

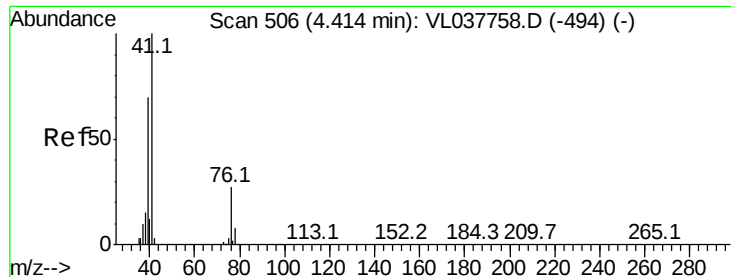
84 100

49 155.5 120.7 181.1

51 45.5 36.2 54.4

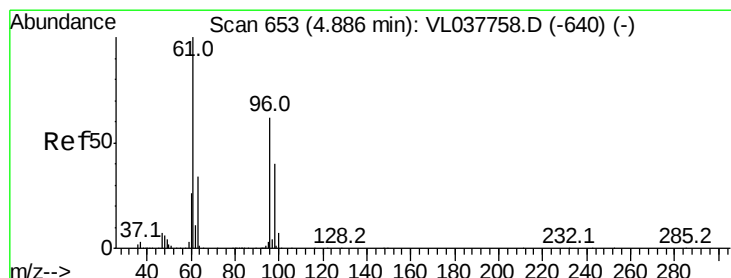
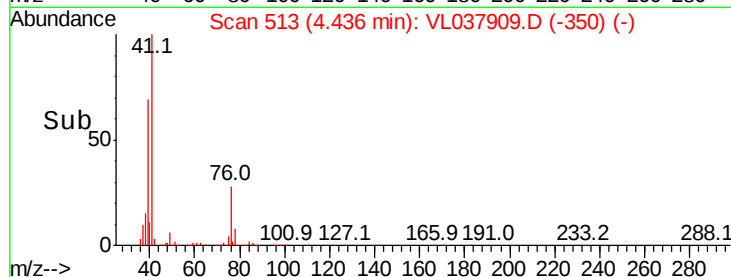
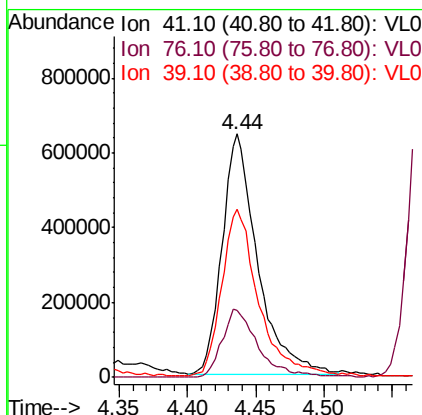
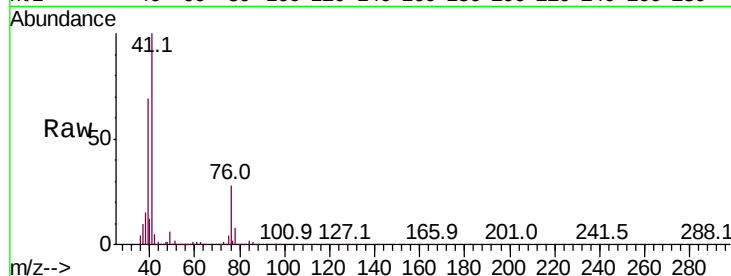
86 59.8 49.6 74.4





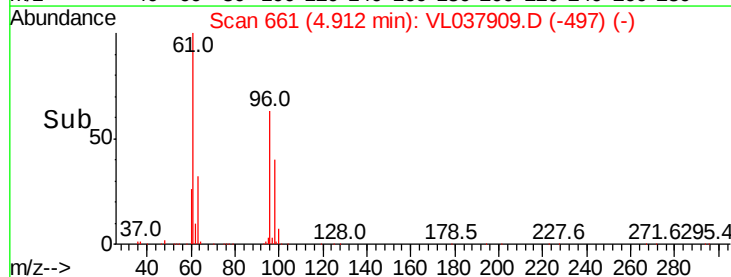
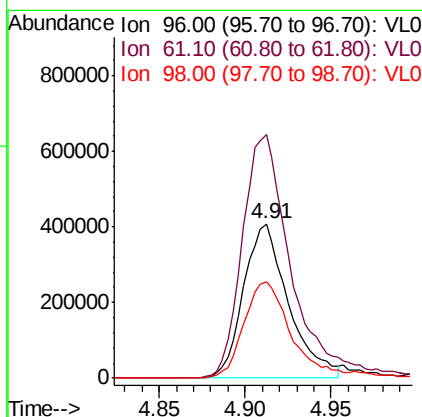
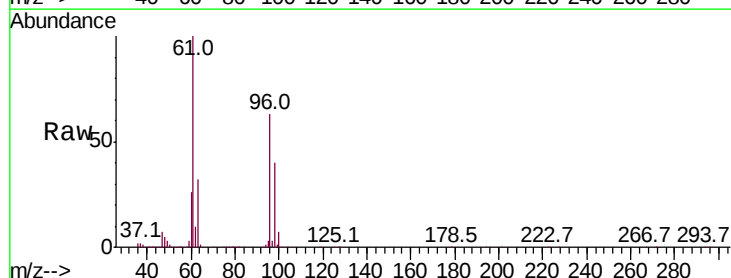
#21
Allvl Chloride
Concen: 9.406 ppbv
RT: 4.44
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 9:10

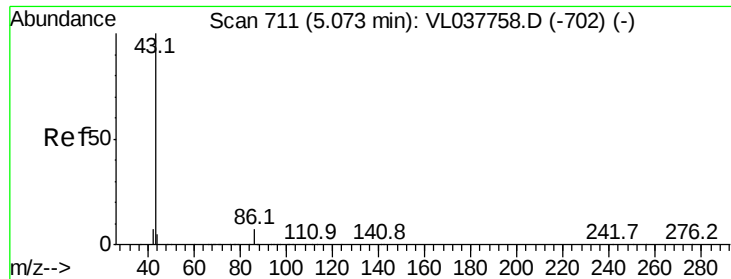
Tot Ion: 41 Resp: 1157104
Ion Ratio Lower Upper
41 100
76 29.3 22.4 33.6
39 72.7 58.0 87.0



#22
trans-1,2-Dichloroethene
Concen: 9.695 ppbv
RT: 4.91 min Scan# 661
Delta R.T. 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tgt Ion: 96 Resp: 739778
Ion Ratio Lower Upper
96 100
61 157.9 129.0 193.6
98 62.9 51.7 77.5





#23

Vinyl Acetate

Concen: 9.183 ppbv

RT: 5.10 Instrument: MSVOA_1

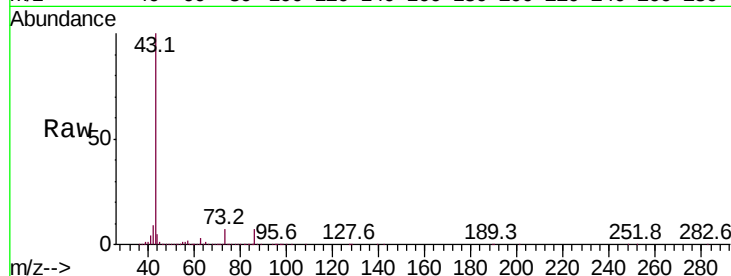
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 27 Oct 2021 9:10

Tot Ion: 43 Resp: 1910810

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.0	7.4
42	9.2	7.4	11.0
44	5.1	3.8	5.6

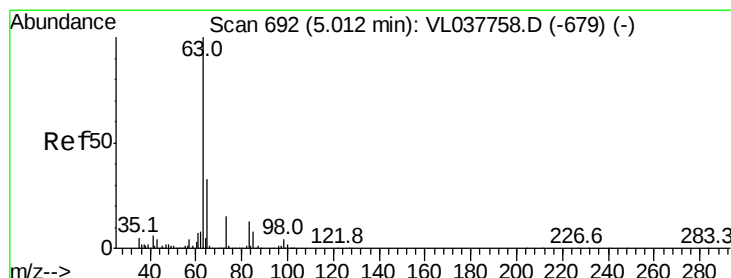
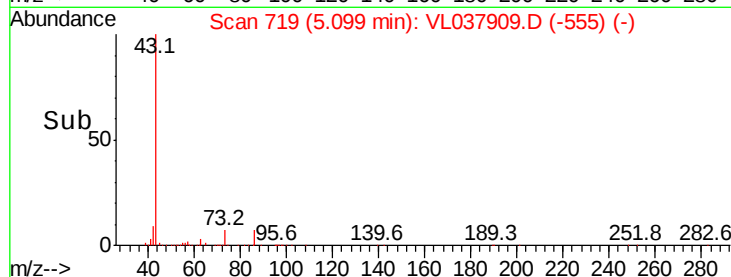
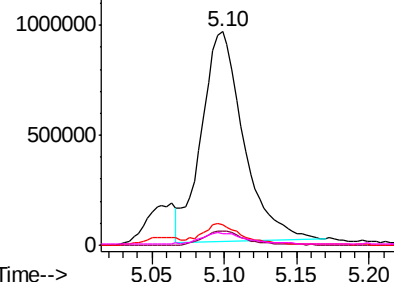


Abundance Ion 43.10 (42.80 to 43.80): VL0

1500000 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: 9.859 ppbv

RT: 5.04 min Scan# 700

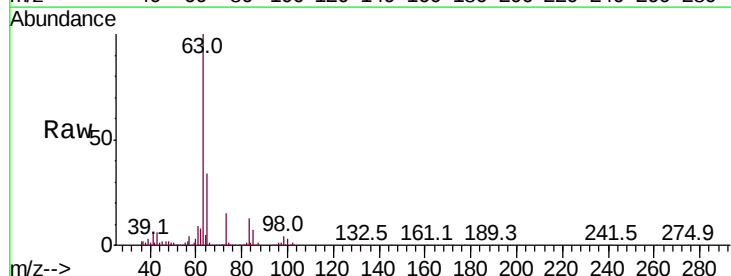
Delta R.T. 0.03 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion: 63 Resp: 1493435

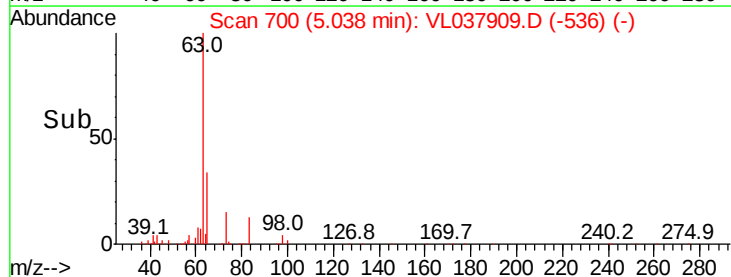
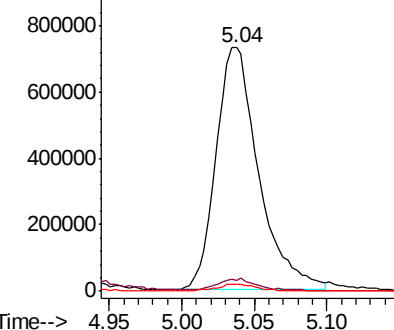
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.5	1.1	3.1

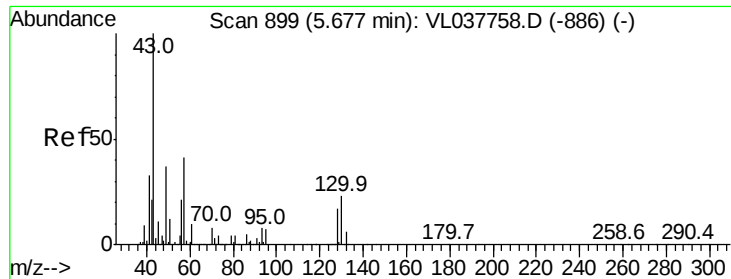


Abundance Ion 63.10 (62.80 to 63.80): VL0

1000000 Ion 98.00 (97.70 to 98.70): VL0

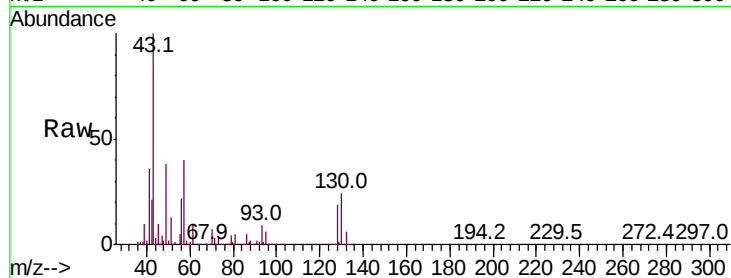
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.727 ppbv
RT: 5.70 min
Delta R.T.: 0.02 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tot Ion:	43	Resp:	3789857
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	10.2	7.5	11.3
70	7.3	5.9	8.9



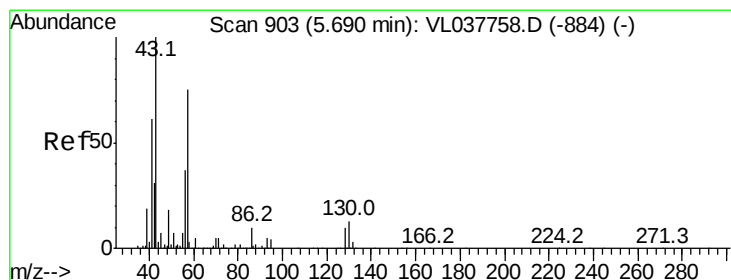
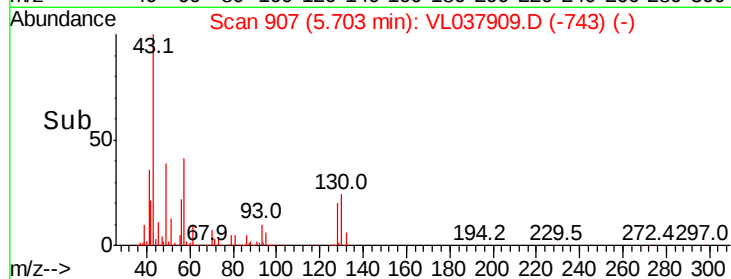
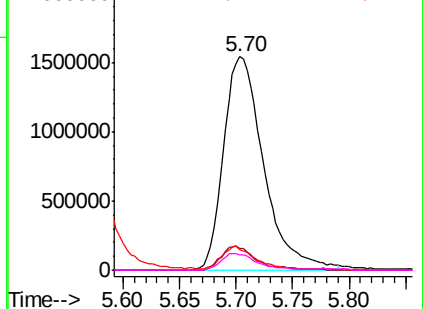
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

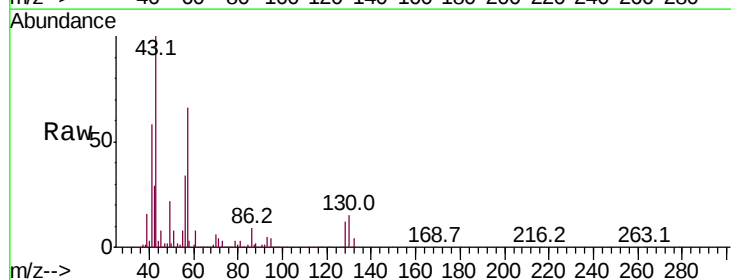
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.277 ppbv
RT: 5.71 min Scan# 910
Delta R.T.: 0.02 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tgt Ion:	57	Resp:	1779861
Ion	Ratio	Lower	Upper
57	100		
41	90.3	69.6	104.4
43	216.5	171.4	257.0
56	54.8	42.0	63.0



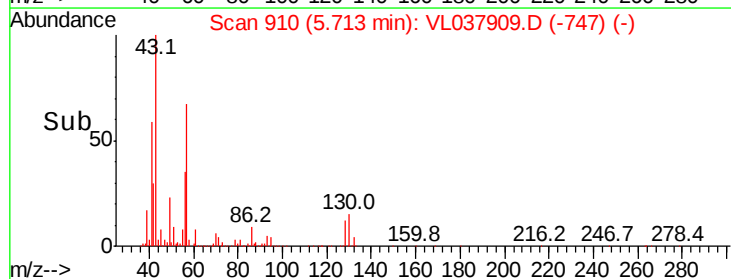
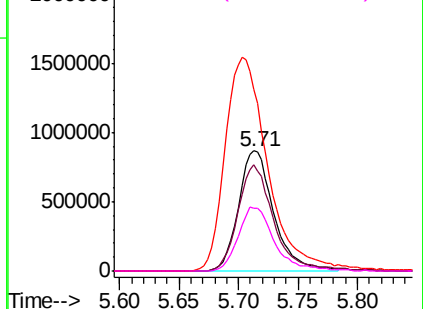
Abundance

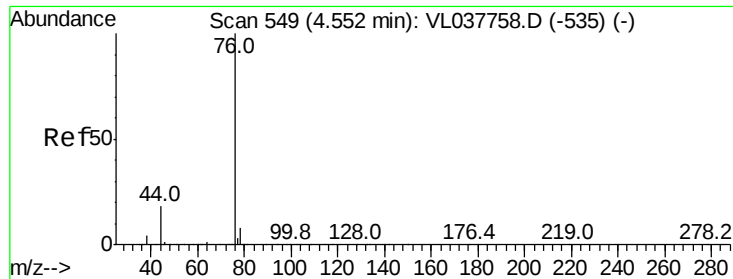
Ion 57.10 (56.80 to 57.80): VL0

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: 10.642 ppbv

RT: 4.57 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

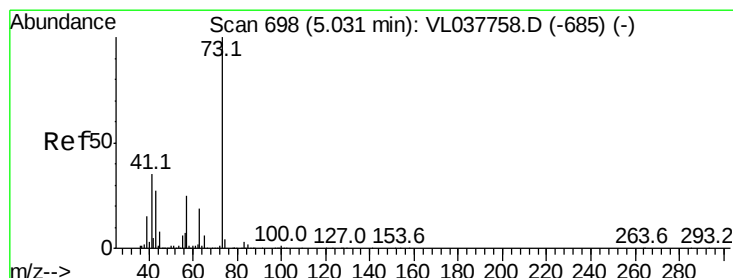
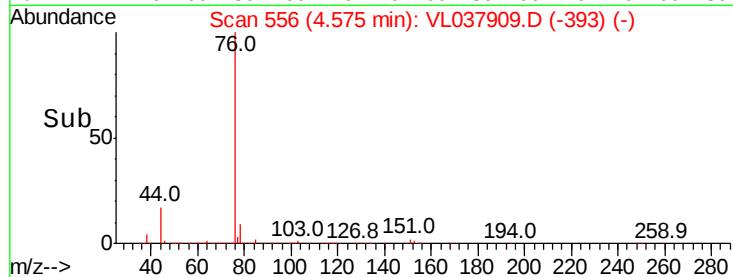
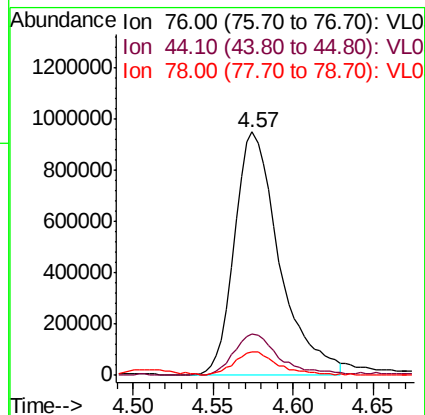
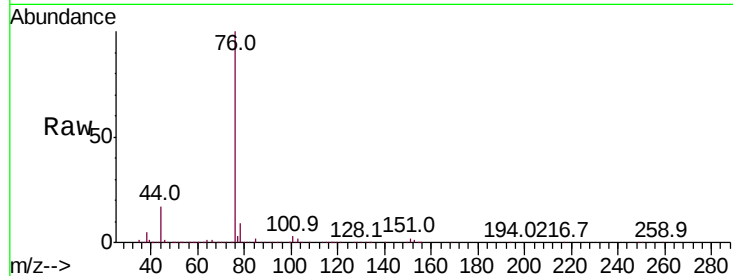
Tot Ion: 76 Resp: 1809544

Ion Ratio Lower Upper

76 100

44 16.8 14.3 21.5

78 10.2 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 9.116 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.03 min

Lab File: VL037909.D

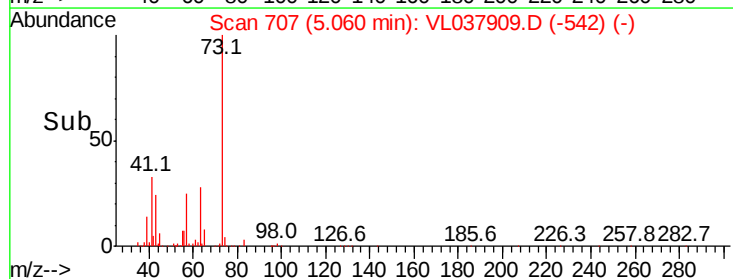
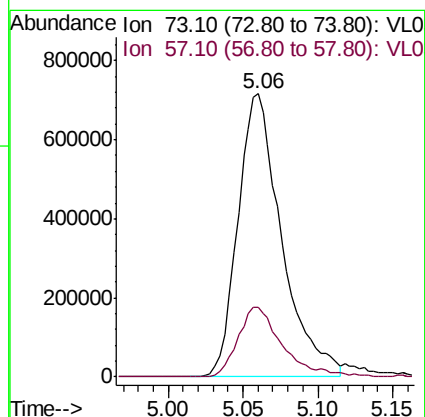
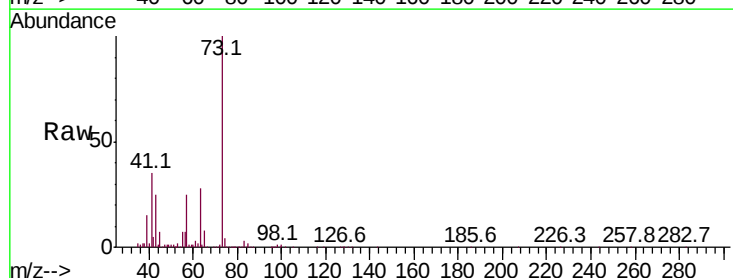
Acq: 27 Oct 2021 9:10

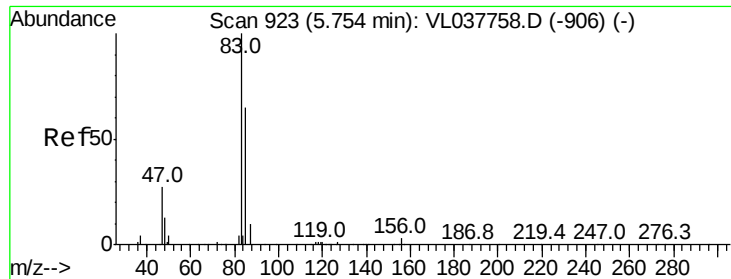
Tgt Ion: 73 Resp: 1456176

Ion Ratio Lower Upper

73 100

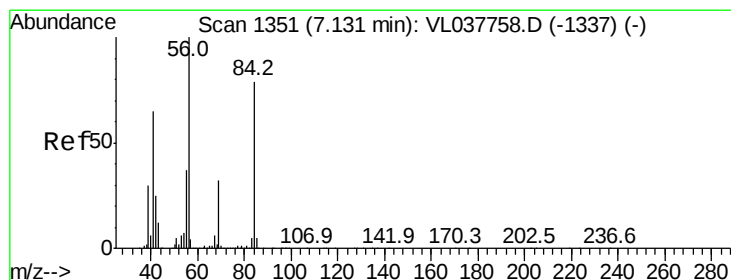
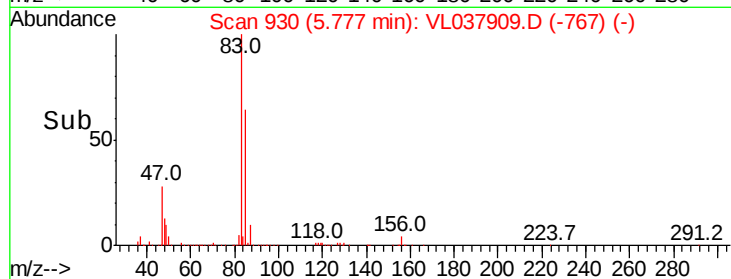
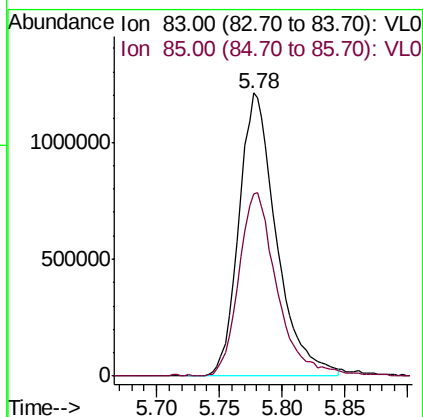
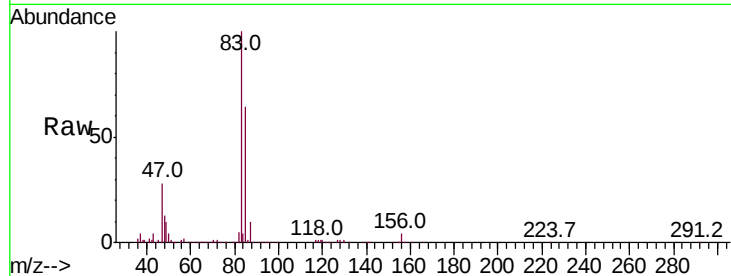
57 25.7 20.4 30.6





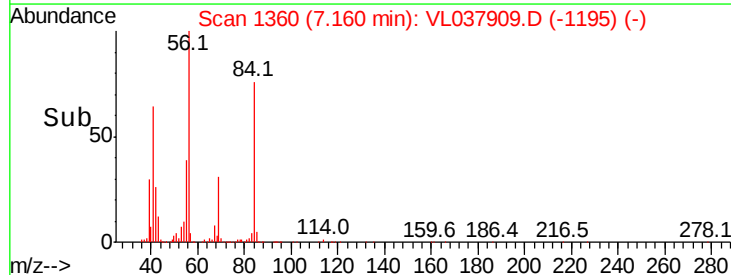
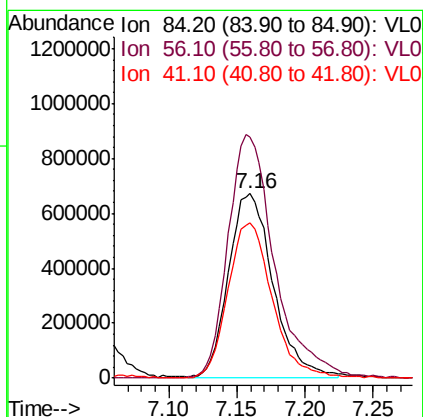
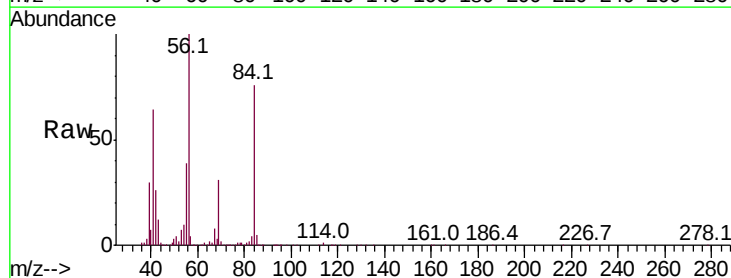
#29
Chloroform
Concen: 9.170 ppbv
RT: 5.78
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Oct 2021 9:10

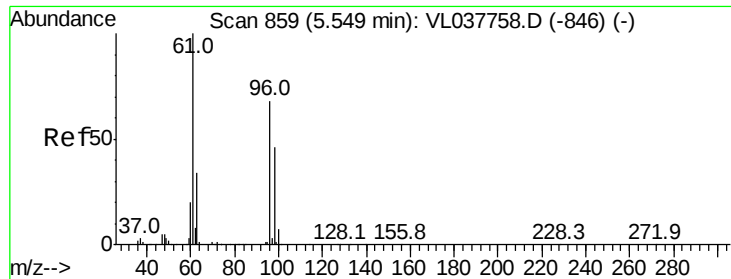
Tot Ion: 83 Resp: 2514838
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8



#30
Cyclohexane
Concen: 9.373 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tgt Ion: 84 Resp: 1524910
Ion Ratio Lower Upper
84 100
56 139.1 113.0 169.4
41 84.0 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 9.415 ppbv

RT: 5.57

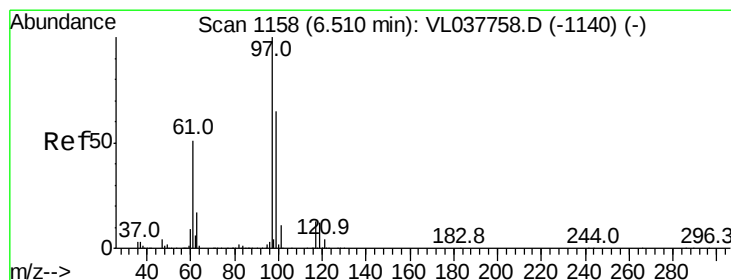
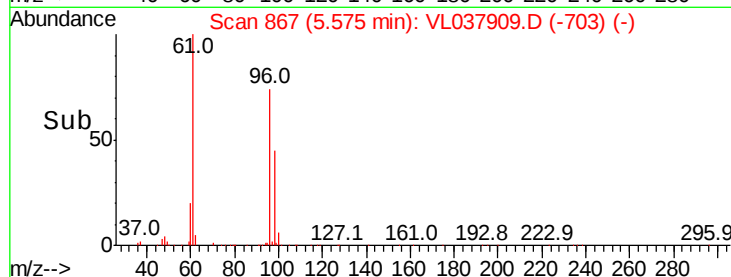
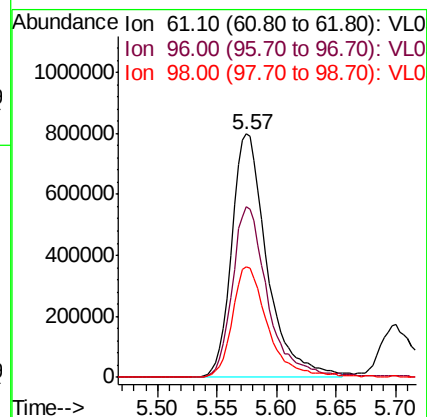
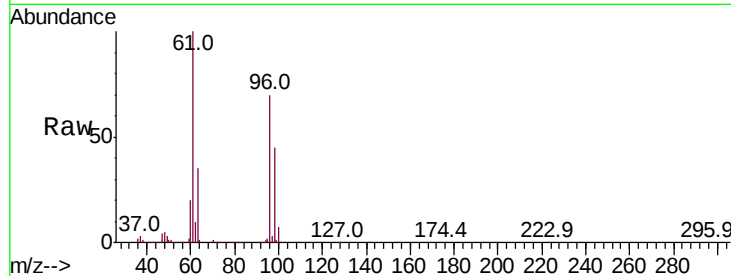
Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 27 Oct 2021 9:10

Tot Ion: 61 Resp: 1639965

Ion	Ratio	Lower	Upper
61	100		
96	70.3	54.2	81.2
98	45.2	36.6	54.8



#32

1,1,1-Trichloroethane

Concen: 9.327 ppbv

RT: 6.54 min Scan# 1167

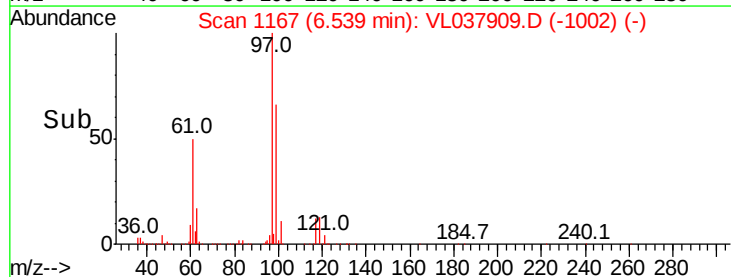
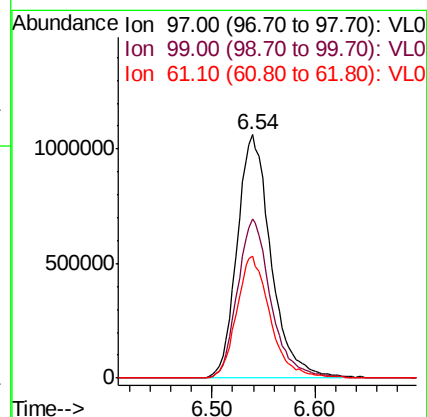
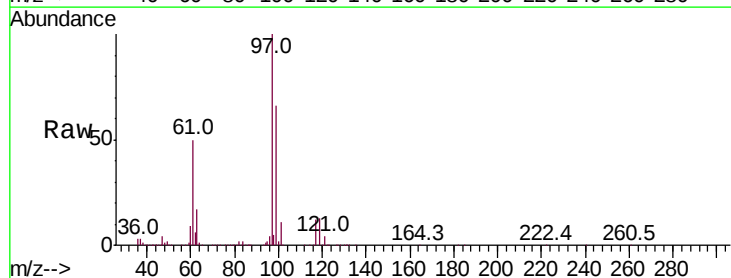
Delta R.T. 0.03 min

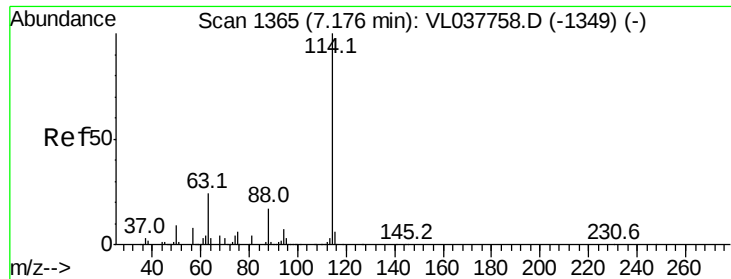
Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion: 97 Resp: 2425120

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.6	78.8
61	50.1	40.2	60.4

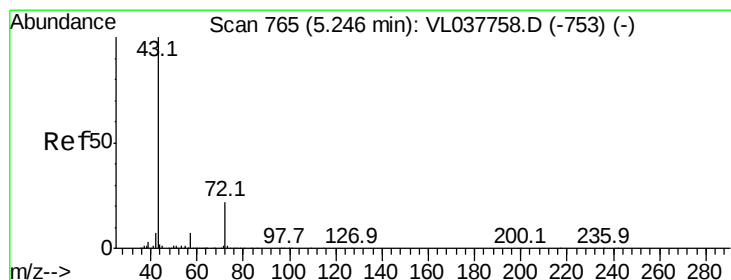
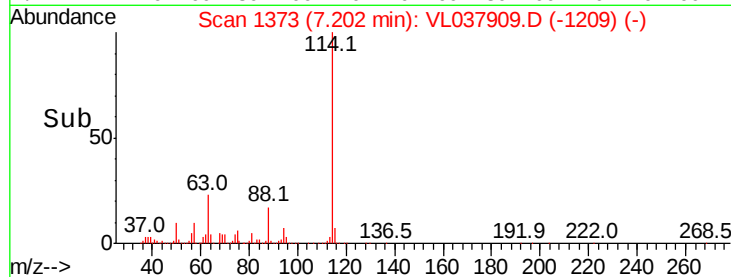
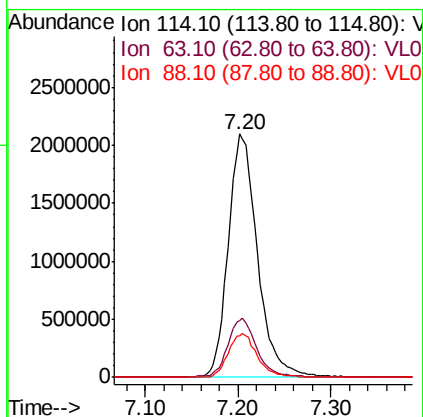
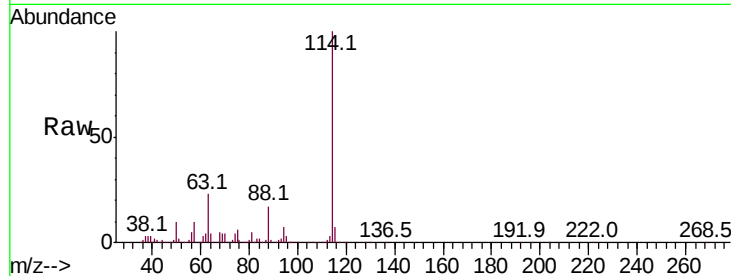




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Oct 2021 9:10

Tot Ion:114 Resp: 4596527

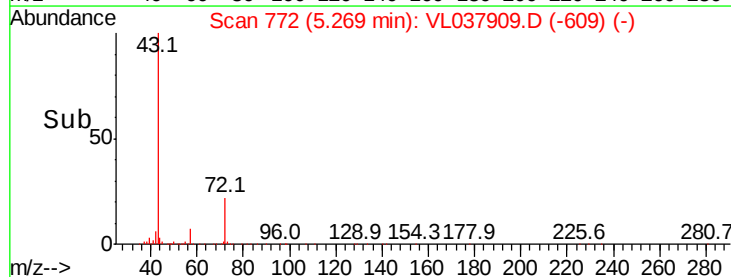
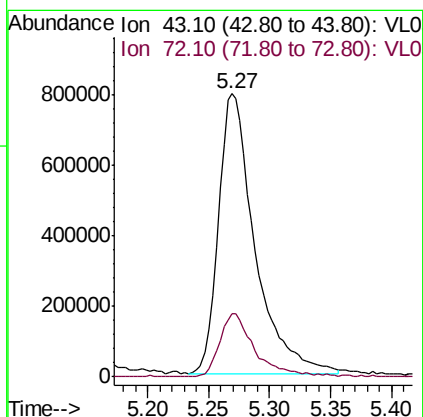
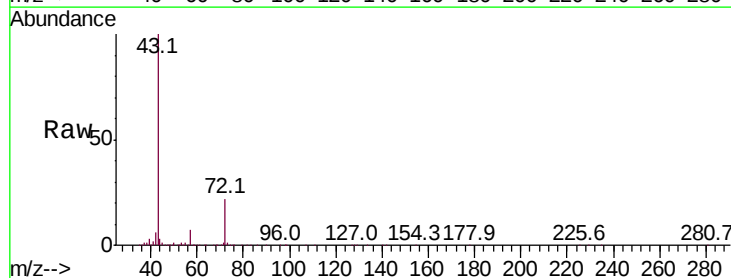
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.2
88	17.8	14.4	21.6

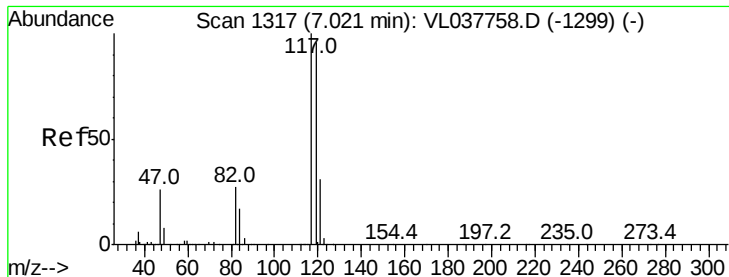


#34
 2-Butanone
 Concen: 9.010 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.02 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

Tgt Ion: 43 Resp: 1671860

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2

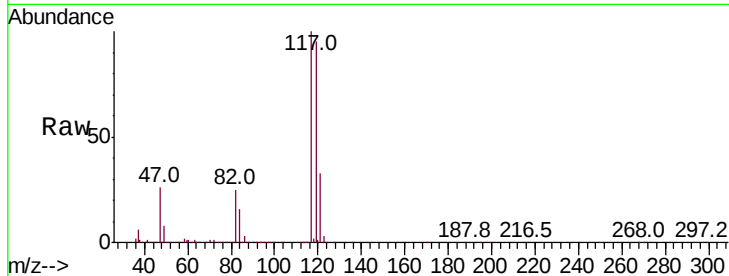




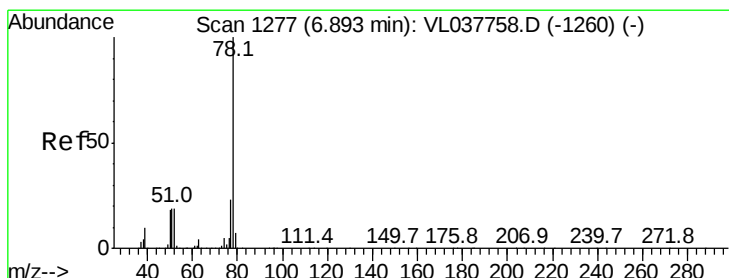
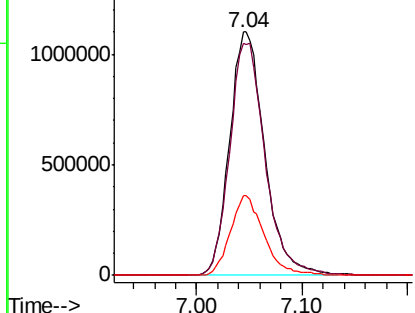
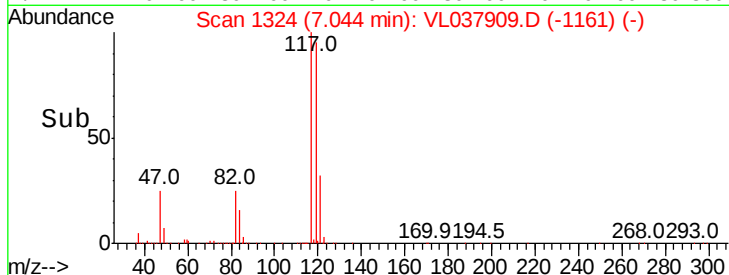
#35
Carbon Tetrachloride
Concen: 9.723 ppbv
RT: 7.04
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 9:10

Tot Ion:117 Resp: 2538292

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.5	114.7
121	32.5	24.9	37.3



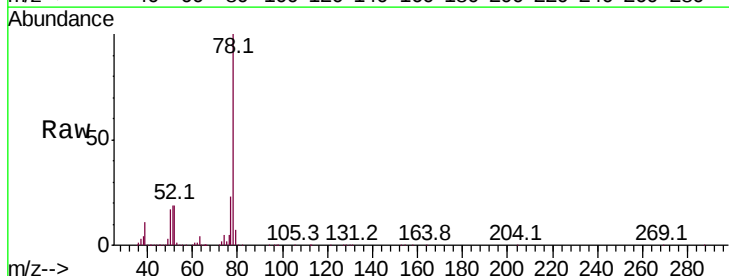
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



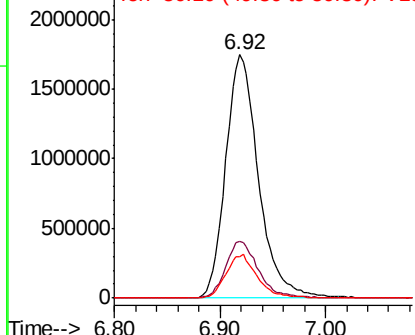
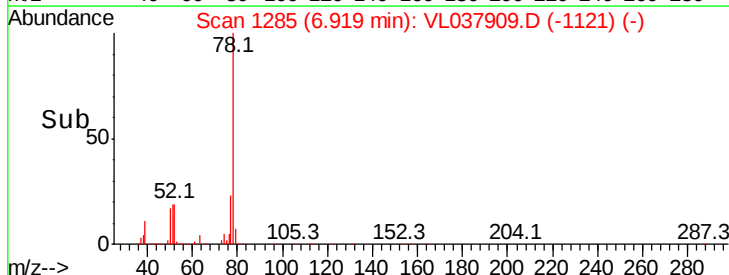
#36
Benzene
Concen: 9.581 ppbv
RT: 6.92 min Scan# 1285
Delta R.T. 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

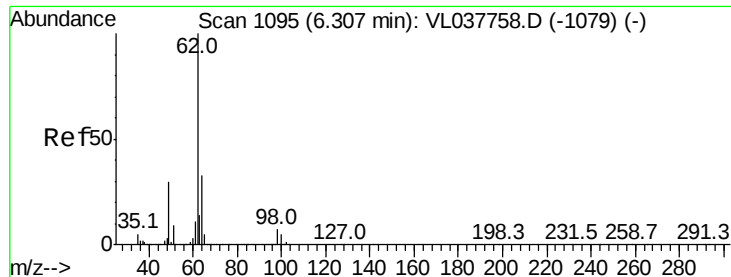
Tgt Ion: 78 Resp: 3761667

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2
50	17.1	14.7	22.1



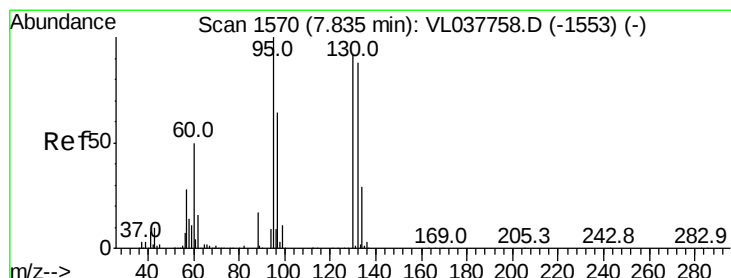
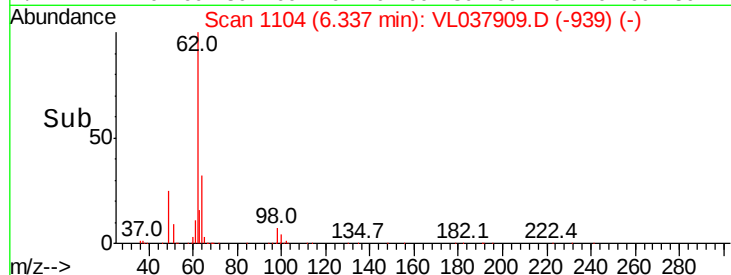
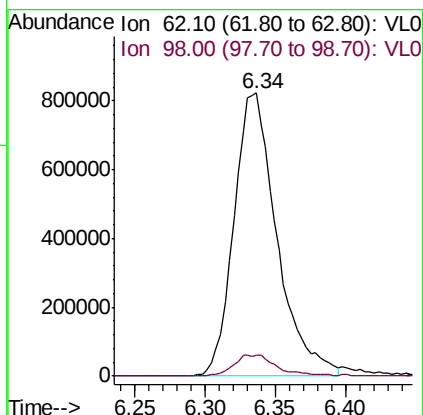
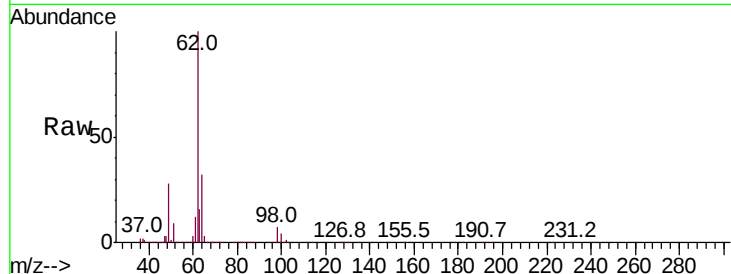
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





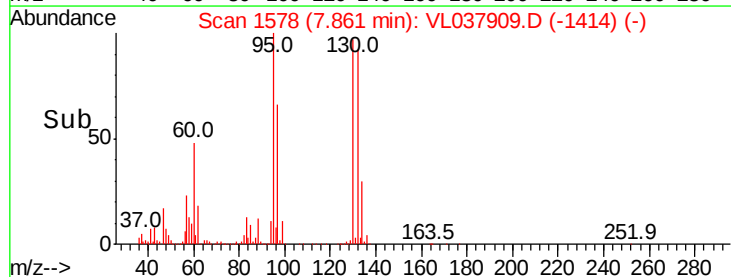
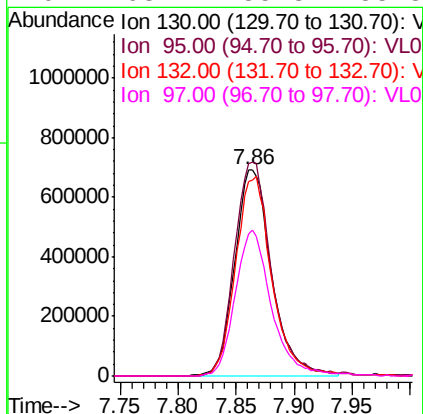
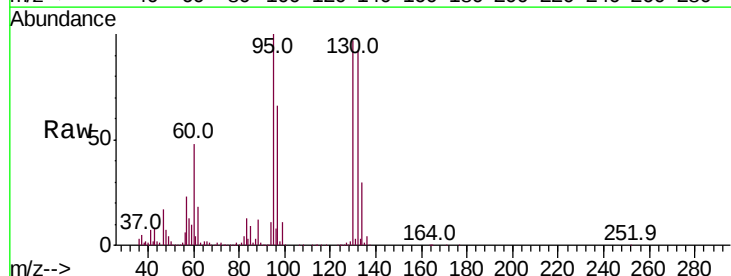
#37
 1,2-Dichloroethane
 Concen: 9.491 ppbv
 RT: 6.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 9:10

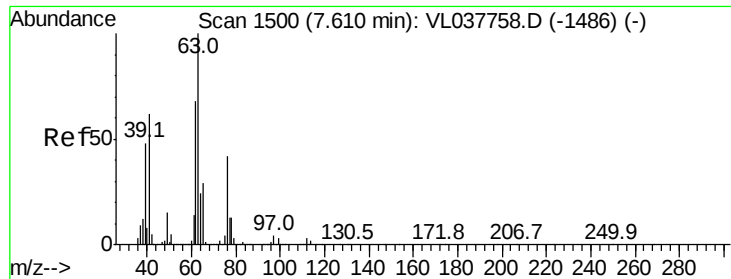
Tot Ion: 62 Resp: 1754504
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.1 9.1



#38
 Trichloroethene
 Concen: 9.758 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.03 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

Tgt Ion:130 Resp: 1513578
 Ion Ratio Lower Upper
 130 100
 95 103.4 87.4 131.0
 132 94.7 76.8 115.2
 97 68.7 55.8 83.8





#39

1,2-Dichloropropane

Concen: 9.654 ppbv

RT: 7.64 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

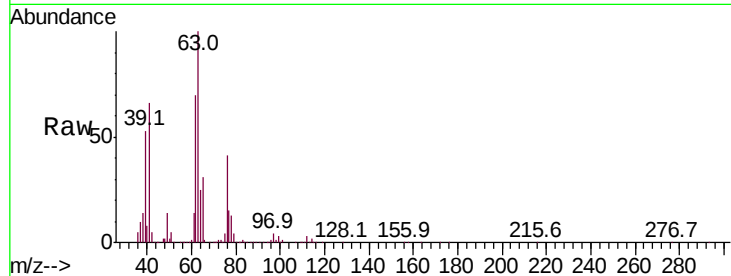
Tot Ion: 63 Resp: 1425624

Ion Ratio Lower Upper

63 100

41 65.5 49.8 74.6

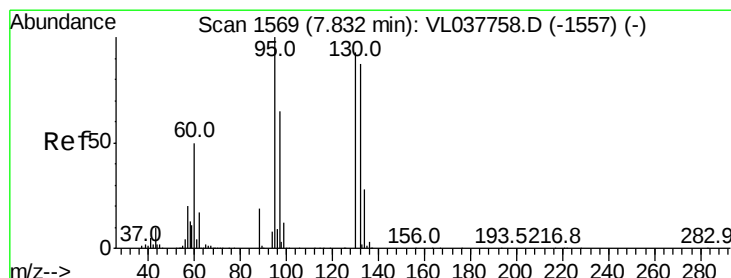
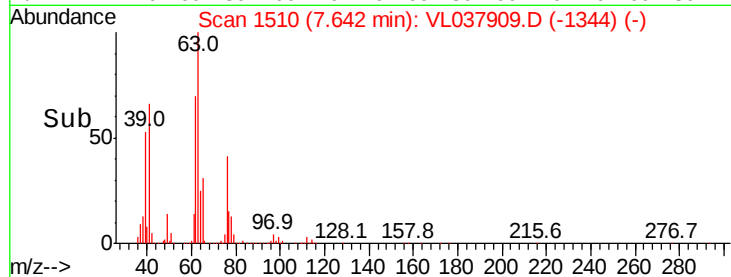
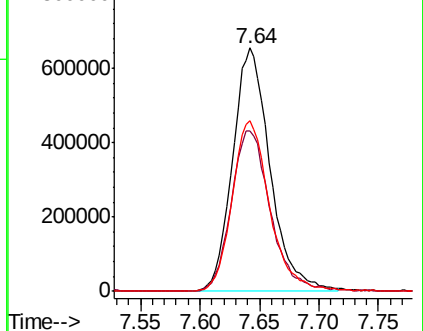
62 70.1 54.6 82.0



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: 6.542 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.03 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion: 88 Resp: 241758

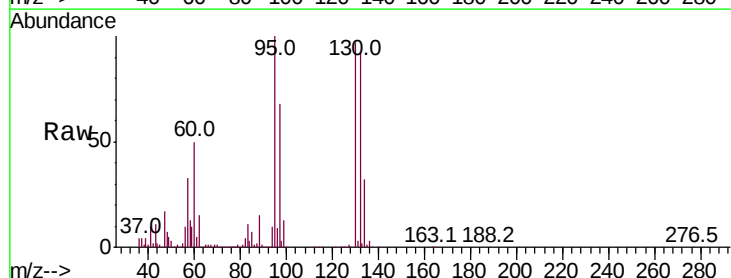
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

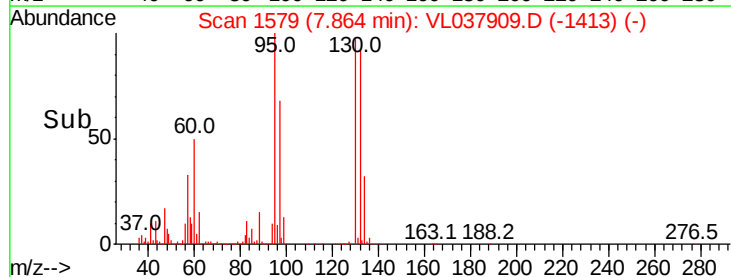
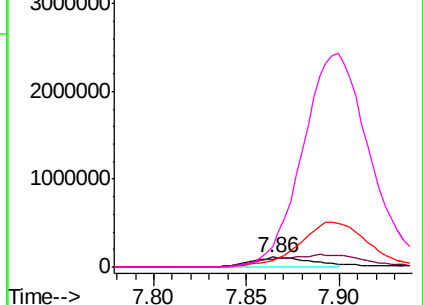


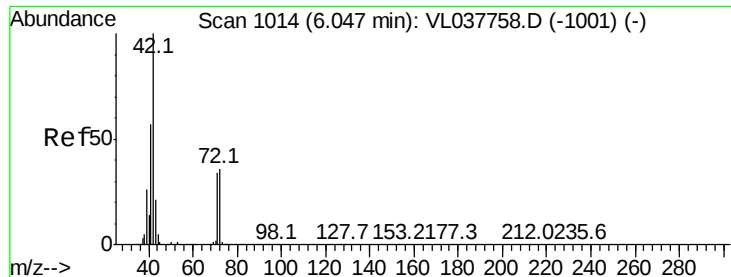
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

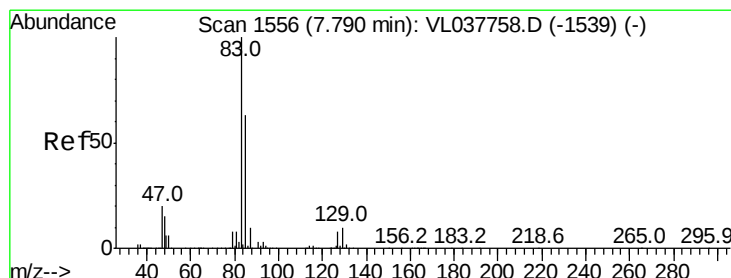
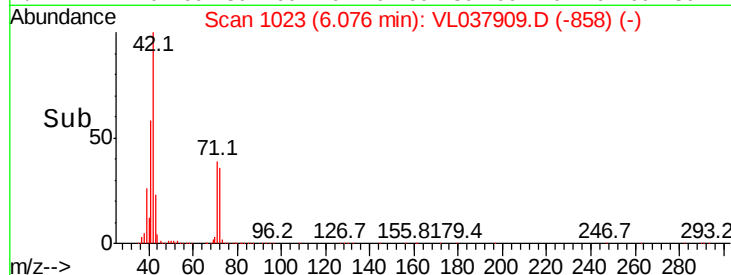
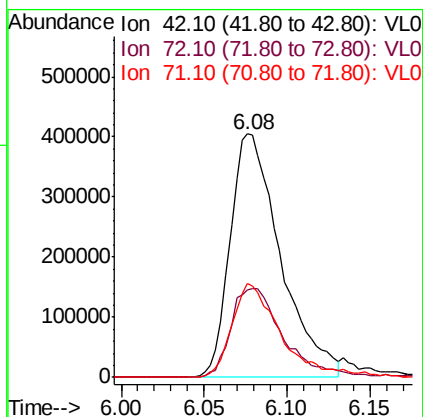
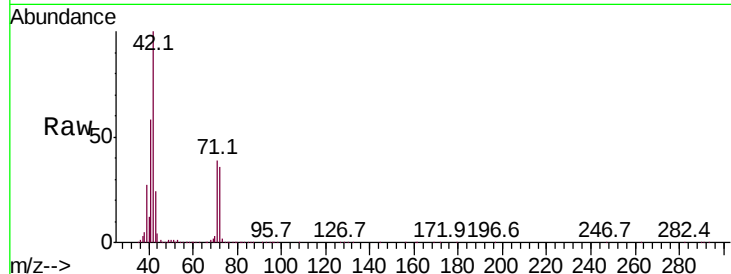
Ion 57.10 (56.80 to 57.80): VL0





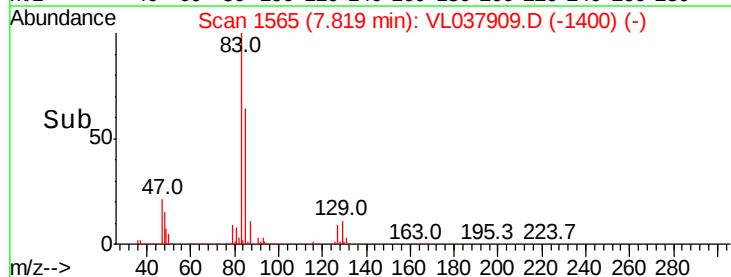
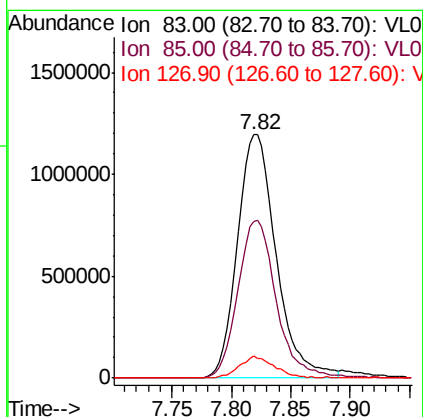
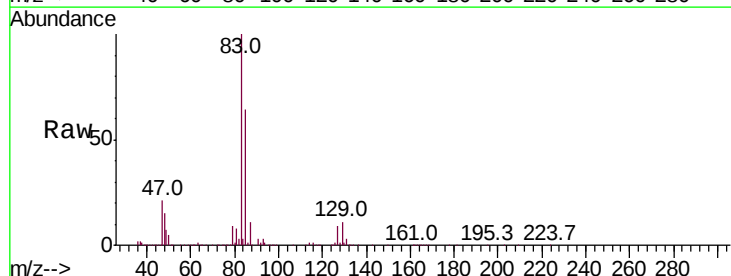
#41
Tetrahydrofuran
Concen: 9.390 ppbv
RT: 6.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 27 Oct 2021 9:10

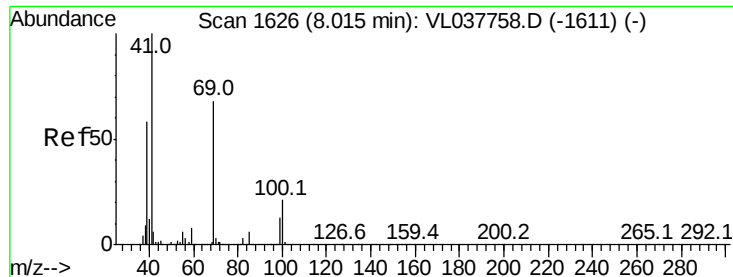
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.9	47.9
71	38.4	30.3	45.5



#42
Bromodichloromethane
Concen: 9.950 ppbv
RT: 7.82 min Scan# 1565
Delta R.T.: 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	8.8	6.2	9.4





#43

Methyl Methacrylate

Concen: 10.646 ppbv

RT: 8.04

Instrument: MSVOA_1

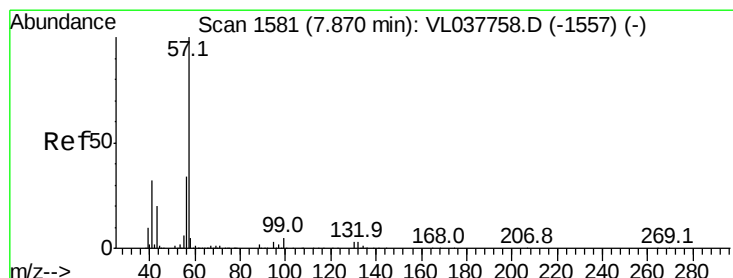
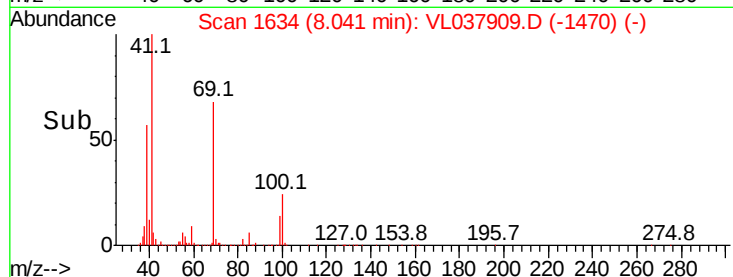
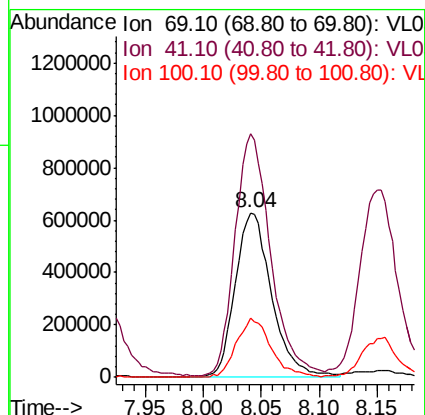
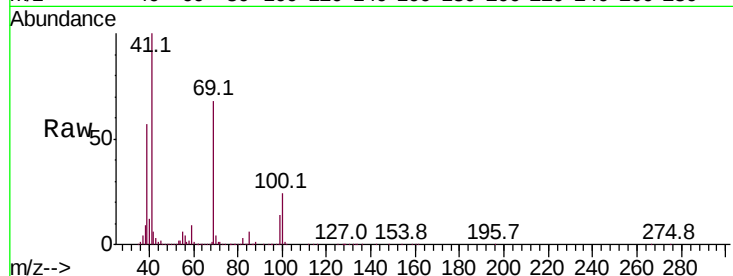
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 27 Oct 2021 9:10

Tot Ion: 69 Resp: 1365142

Ion	Ratio	Lower	Upper
69	100		
41	145.3	121.0	181.4
100	34.4	27.7	41.5



#44

2,2,4-Trimethylpentane

Concen: 9.448 ppbv

RT: 7.90 min Scan# 1590

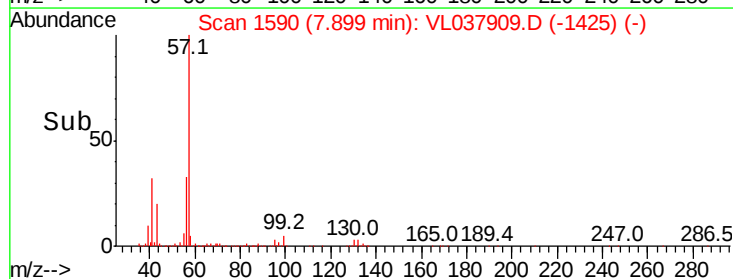
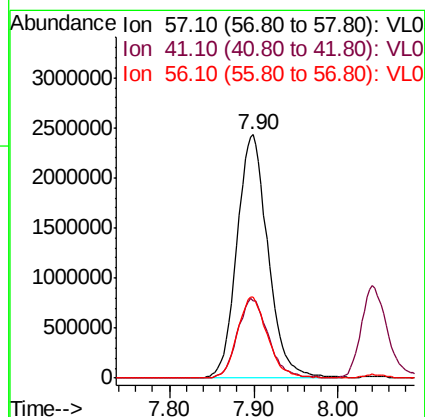
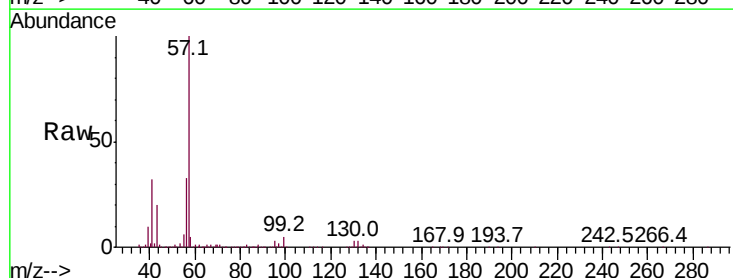
Delta R.T. 0.03 min

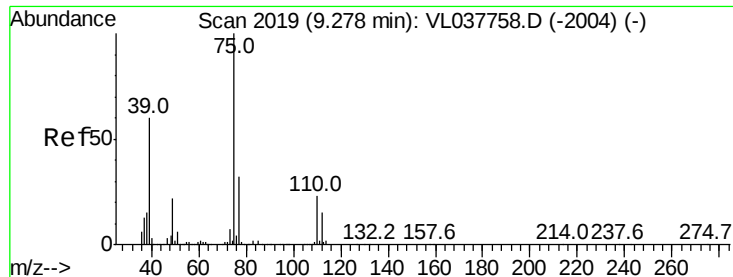
Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion: 57 Resp: 6232342

Ion	Ratio	Lower	Upper
57	100		
41	32.7	25.6	38.4
56	32.4	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 10.008 ppbv

RT: 9.31

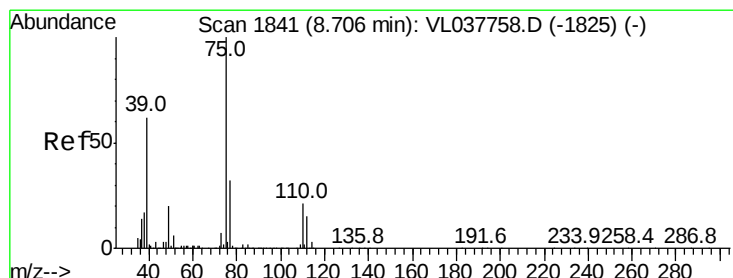
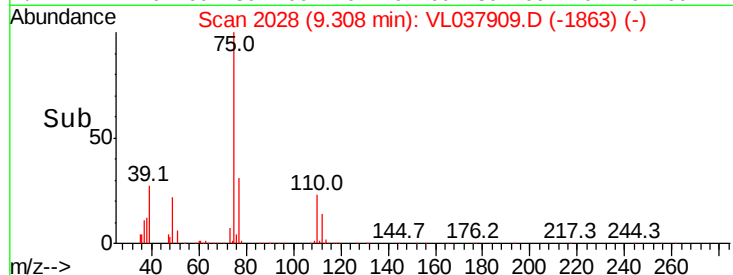
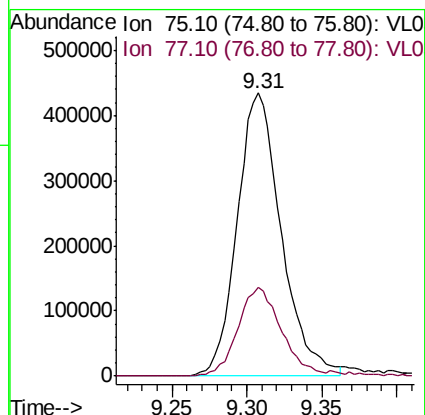
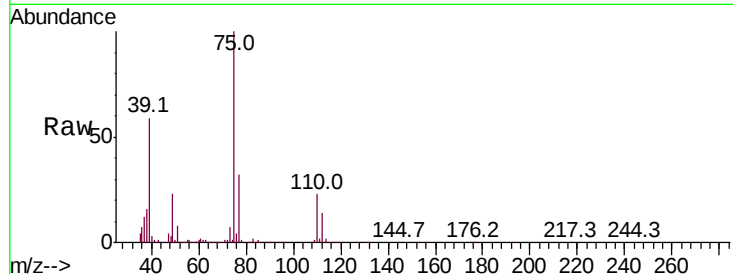
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDCCC010

Acq: 27 Oct 2021 9:10

Tot Ion: 75 Resp: 883065

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8



#46

cis-1,3-Dichloropropene

Concen: 10.406 ppbv

RT: 8.73 min Scan# 1849

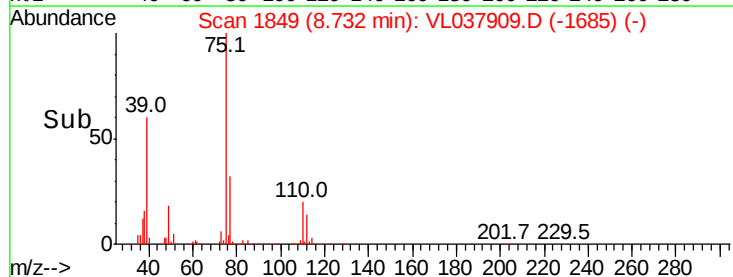
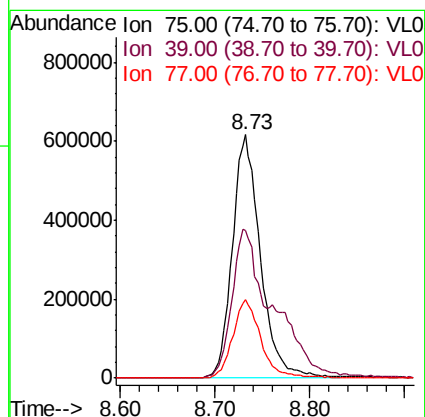
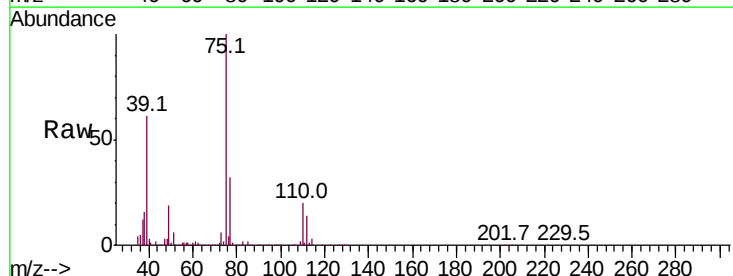
Delta R.T. 0.03 min

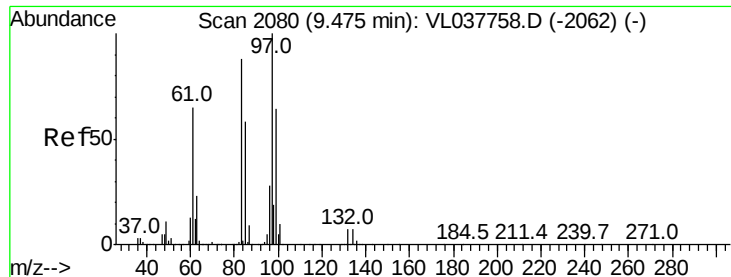
Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion: 75 Resp: 1272620

Ion	Ratio	Lower	Upper
75	100		
39	60.7	49.9	74.9
77	32.4	25.9	38.9

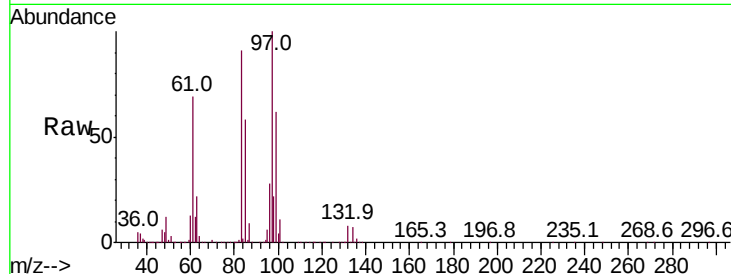




#47
 1,1,2-Trichloroethane
 Concen: 9.447 ppbv
 RT: 9.50
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Oct 2021 9:10

Tot Ion: 97 Resp: 1516613

Ion	Ratio	Lower	Upper
97	100		
83	91.3	70.6	105.8
85	58.1	45.9	68.9
99	62.2	51.5	77.3



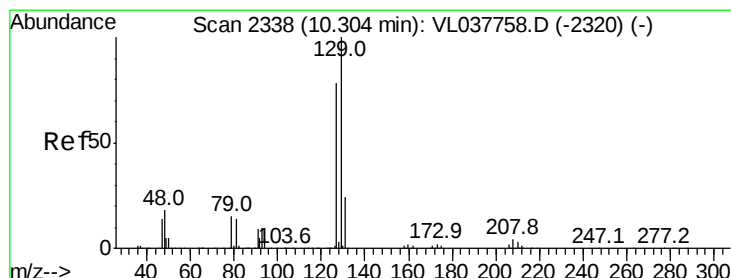
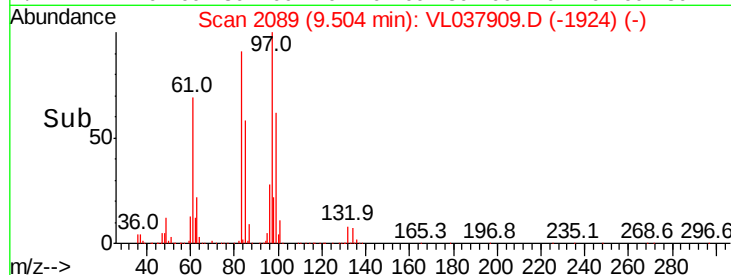
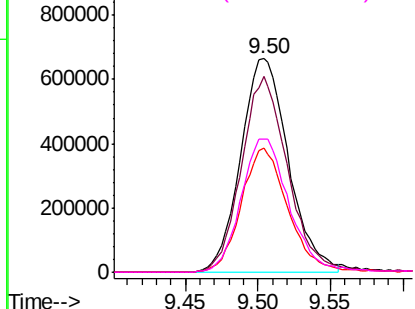
Abundance

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

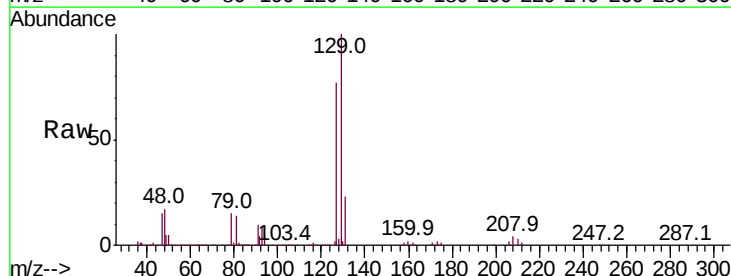
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.373 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.03 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

Tgt Ion: 129 Resp: 2373949

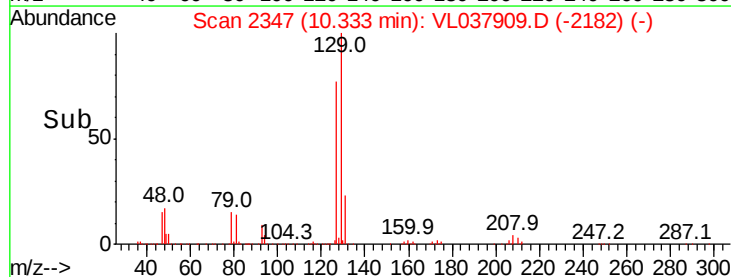
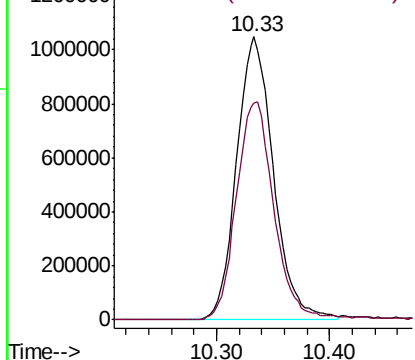
Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.5	118.5

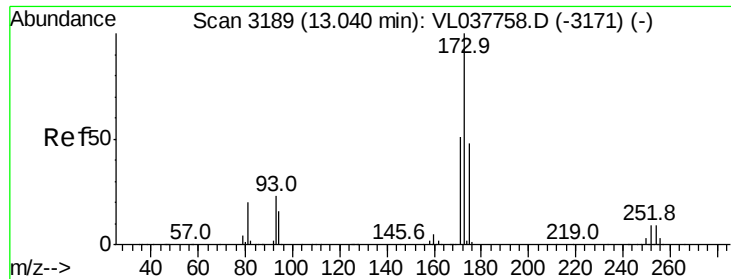


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.079 ppbv

RT: 13.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

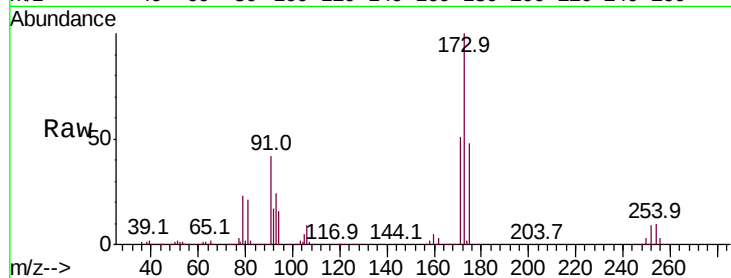
Tot Ion:173 Resp: 1940013

Ion Ratio Lower Upper

173 100

175 52.9 39.9 59.9

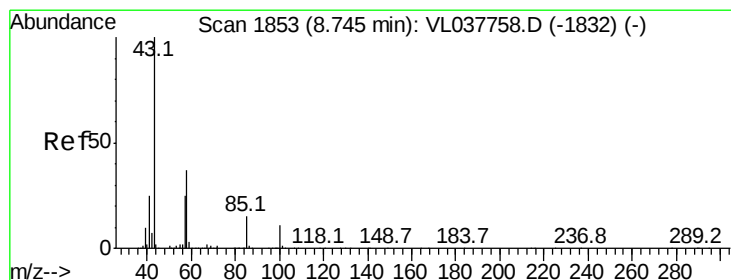
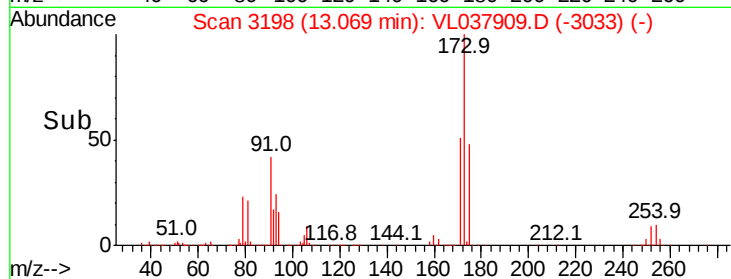
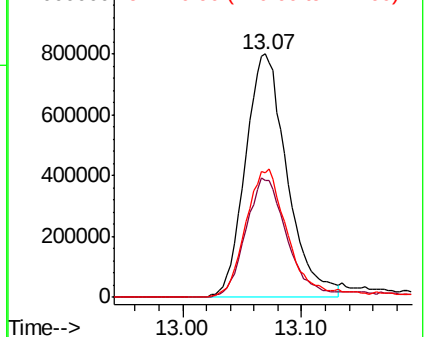
171 56.9 43.4 65.2



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: 10.122 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.02 min

Lab File: VL037909.D

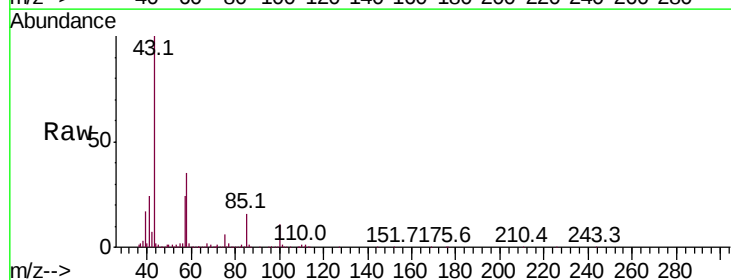
Acq: 27 Oct 2021 9:10

Tgt Ion: 43 Resp: 2445243

Ion Ratio Lower Upper

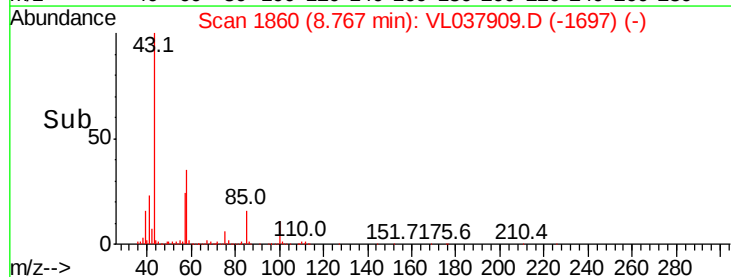
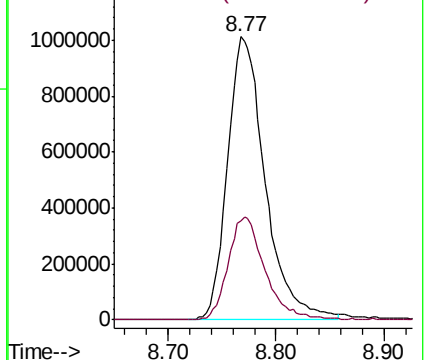
43 100

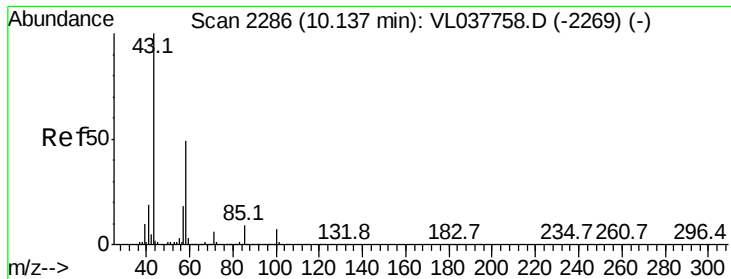
58 36.2 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.438 ppbv

RT: 10.16

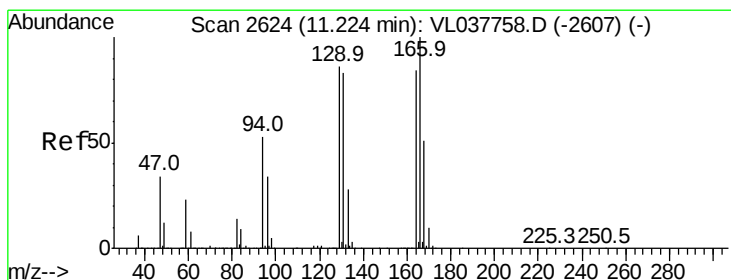
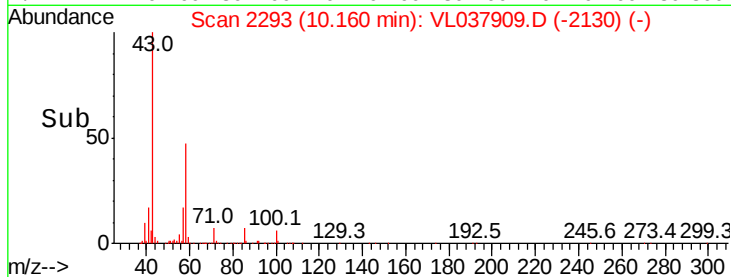
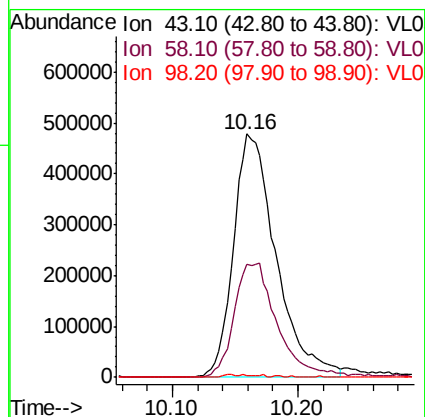
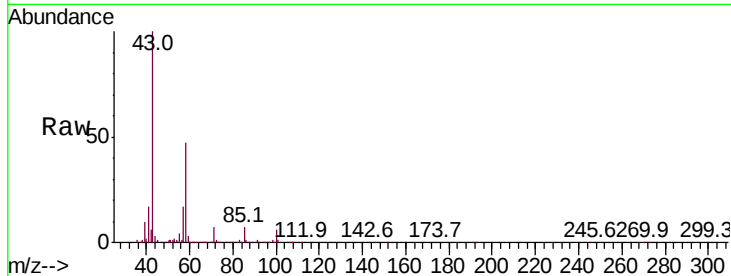
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

Tot Ion: 43 Resp: 1125686

Ion	Ratio	Lower	Upper
43	100		
58	48.5	39.4	59.0
98	0.8	0.3	0.5#



#52

Tetrachloroethene

Concen: 8.908 ppbv

RT: 11.26 min Scan# 2634

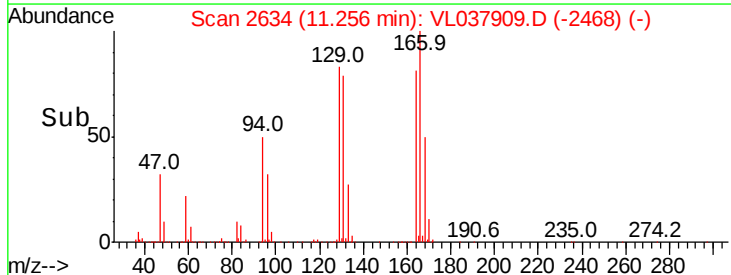
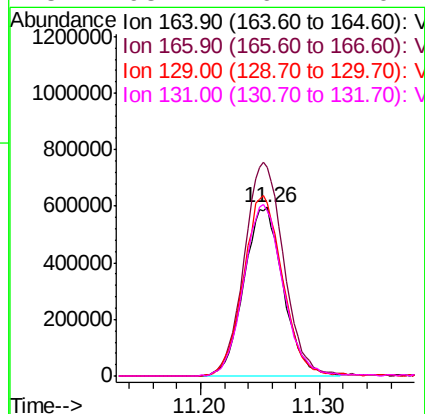
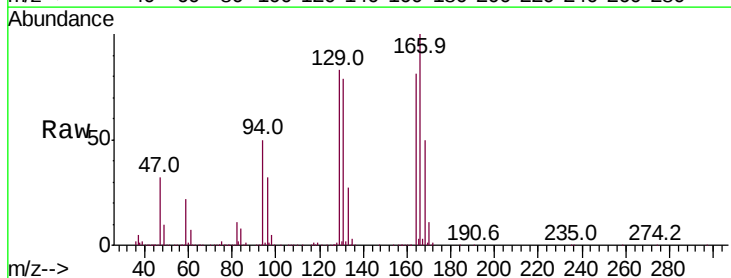
Delta R.T. 0.03 min

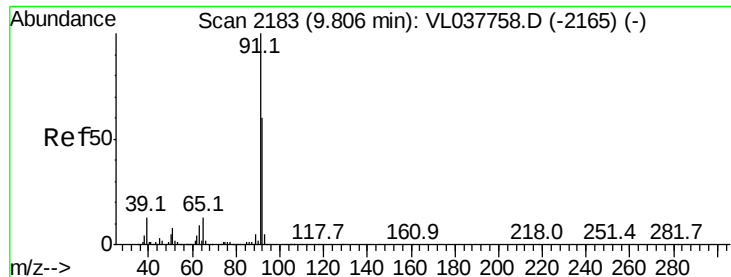
Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion: 164 Resp: 1360690

Ion	Ratio	Lower	Upper
164	100		
166	123.6	95.4	143.2
129	102.7	82.2	123.4
131	98.1	79.4	119.2





#53

Toluene

Concen: 9.945 ppbv

RT: 9.83 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

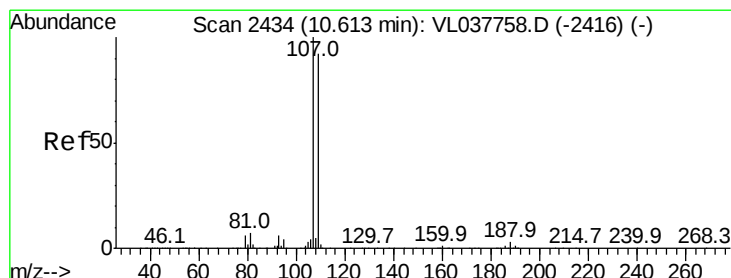
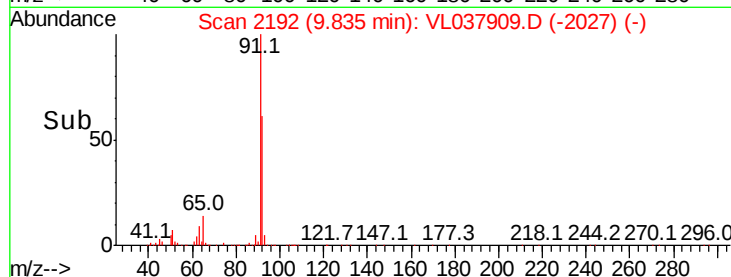
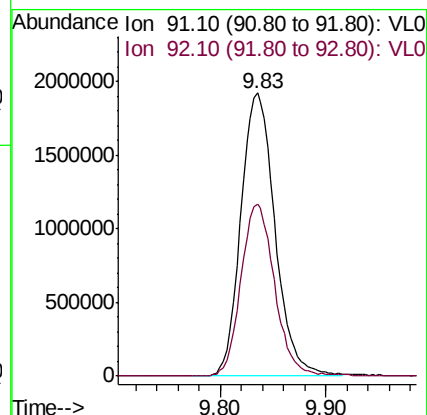
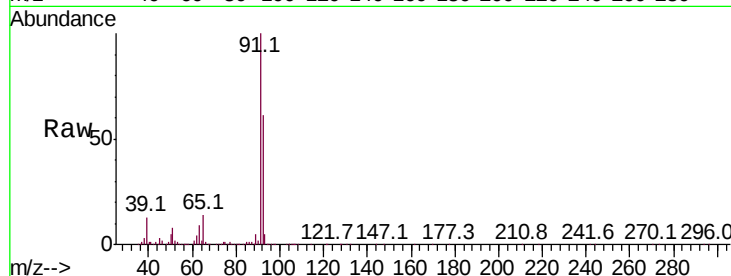
Acq: 27 Oct 2021 9:10

Tot Ion: 91 Resp: 4326836

Ion Ratio Lower Upper

91 100

92 60.4 48.4 72.6



#54

1,2-Dibromoethane

Concen: 9.736 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.03 min

Lab File: VL037909.D

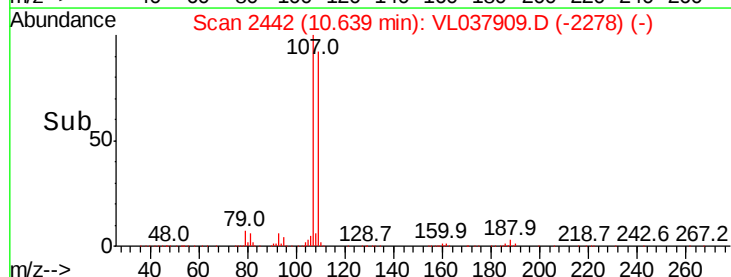
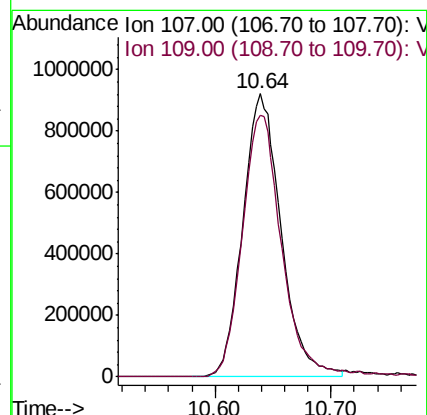
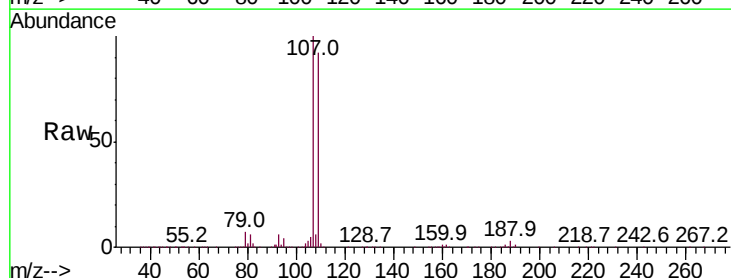
Acq: 27 Oct 2021 9:10

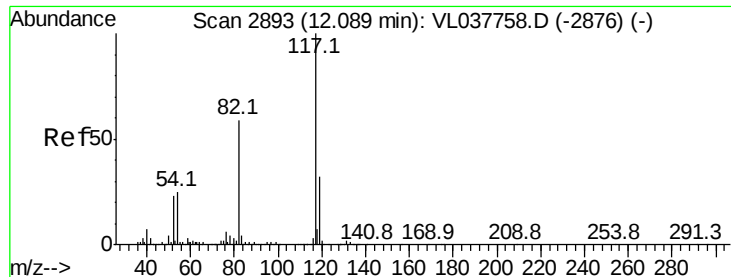
Tgt Ion: 107 Resp: 2111352

Ion Ratio Lower Upper

107 100

109 92.4 73.8 110.6

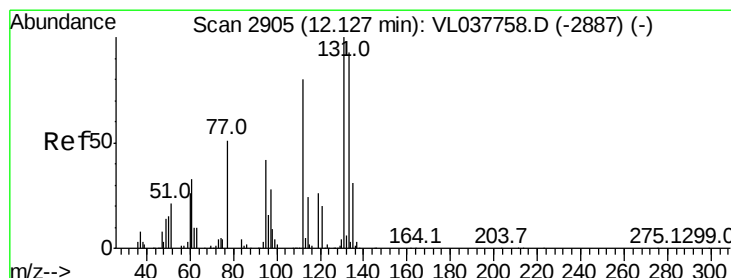
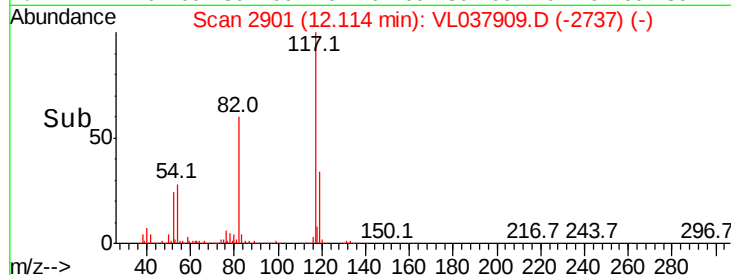
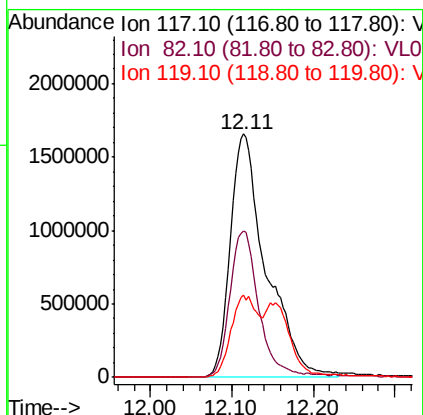
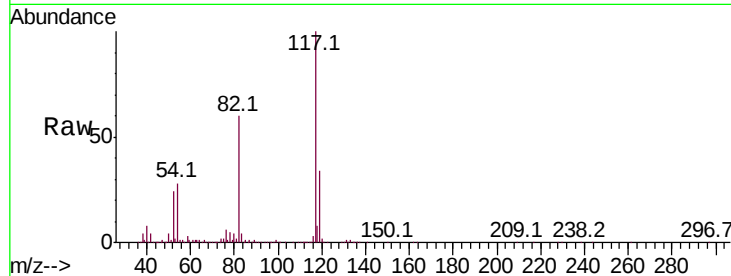




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min
Instrument: MSVOA_1
Delta R.T.: 0.03 min
Lab File: ClientSampleId : VSTDCCC010
Acq: 27 Oct 2021 9:10

Tot Ion:117 Resp: 5111465

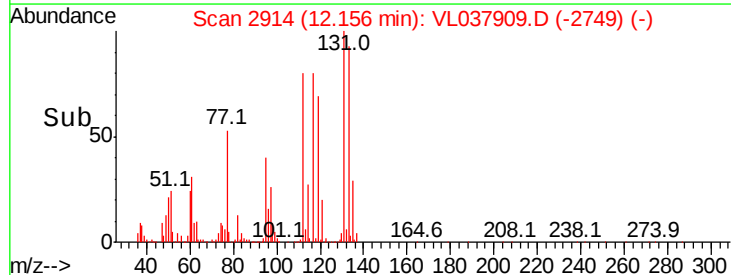
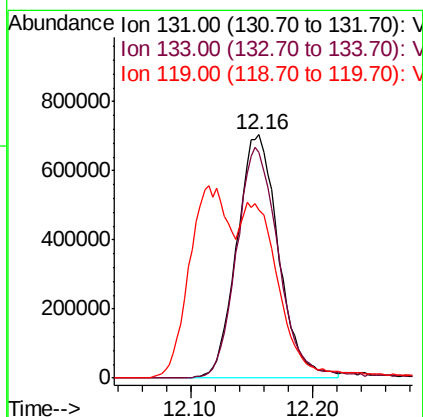
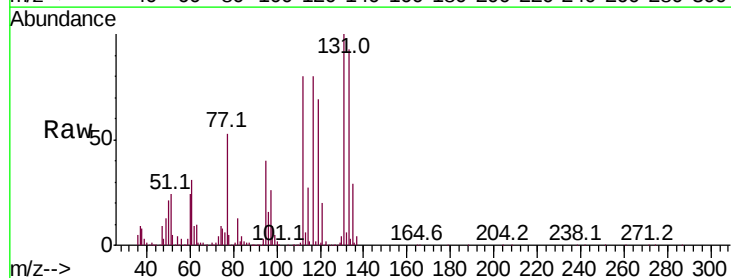
Ion	Ratio	Lower	Upper
117	100		
82	49.9	52.2	78.2#
119	48.1	26.0	39.0#

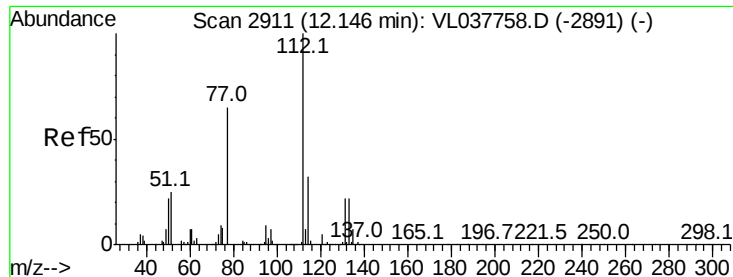


#56
1,1,1,2-Tetrachloroethane
Concen: 7.837 ppbv
RT: 12.16 min Scan# 2914
Delta R.T.: 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tgt Ion:131 Resp: 1658410

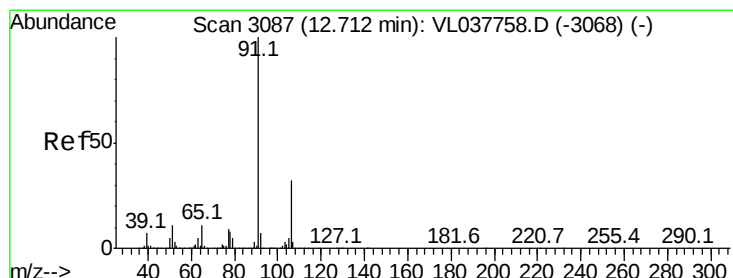
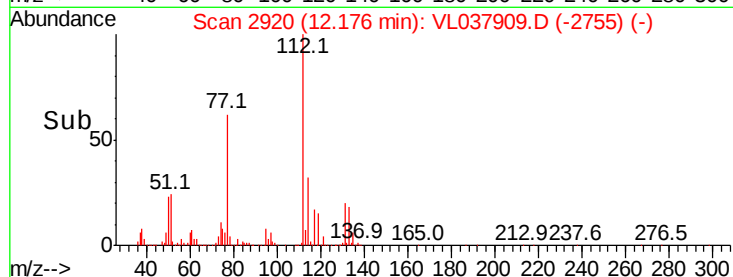
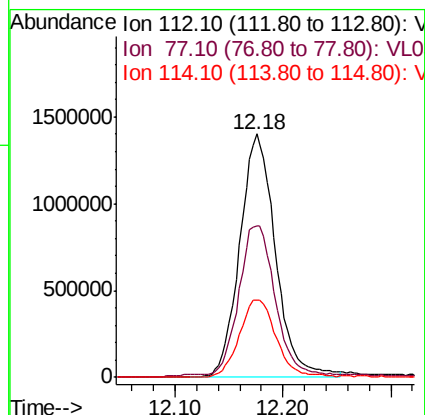
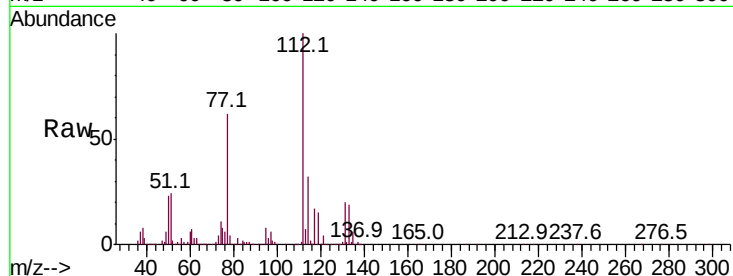
Ion	Ratio	Lower	Upper
131	100		
133	97.9	78.5	117.7
119	75.2	51.7	77.5





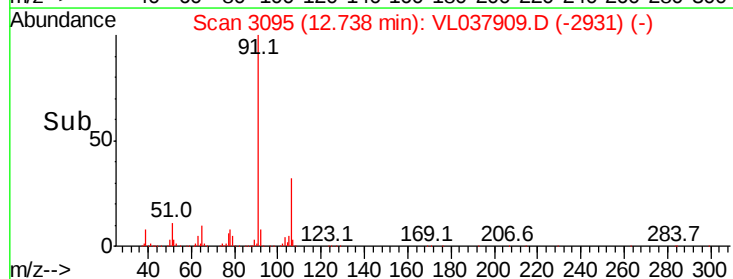
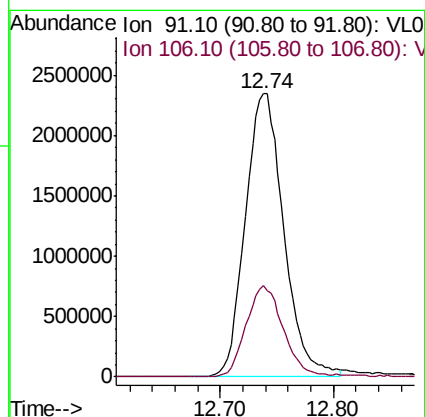
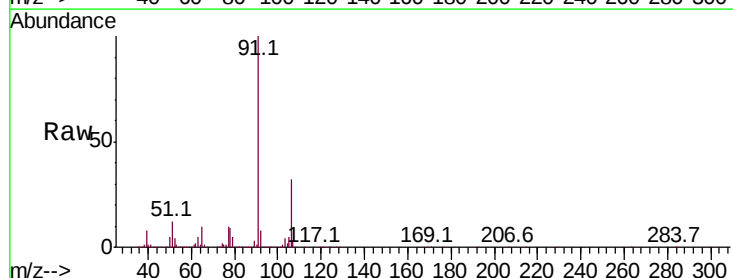
#57
Chlorobenzene
Concen: 7.727 ppbv
RT: 12.18 min
Instrument: MSVOA_1
Delta R.T.: 0.03 min
Lab File: VL037909.D
ClientSampleId: VSTDCCC010
Acq: 27 Oct 2021 9:10

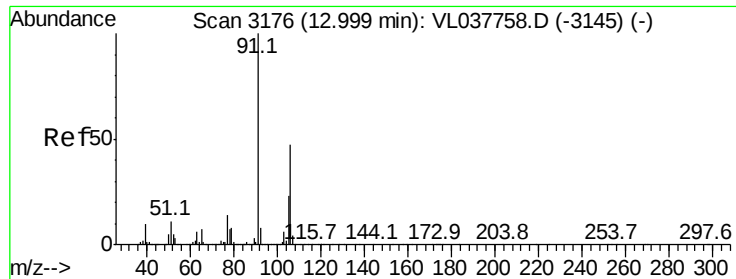
Tot Ion: 112 Resp: 3240059
Ion Ratio Lower Upper
112 100
77 61.0 51.8 77.8
114 31.5 28.8 35.2



#58
Ethyl Benzene
Concen: 8.081 ppbv
RT: 12.74 min Scan# 3095
Delta R.T.: 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

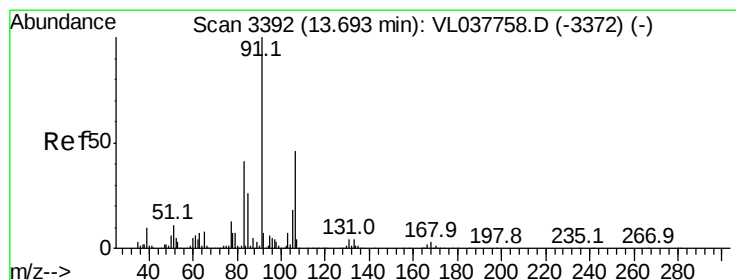
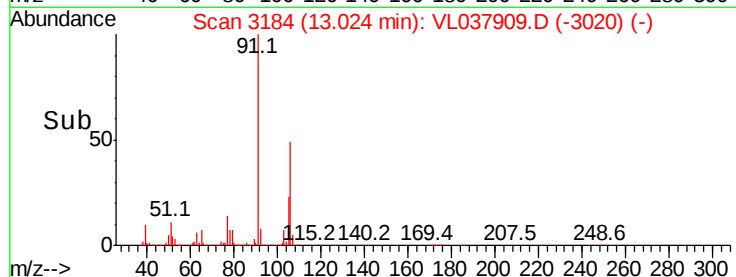
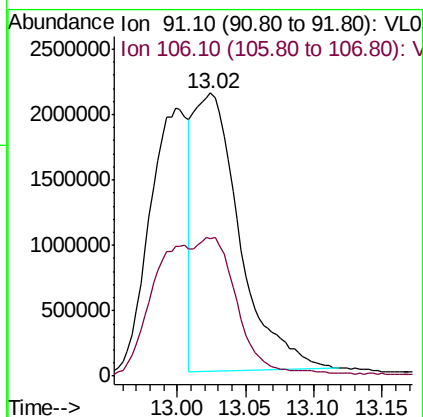
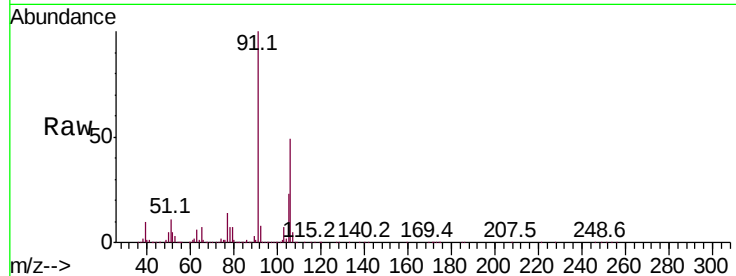
Tgt Ion: 91 Resp: 5546391
Ion Ratio Lower Upper
91 100
106 32.2 25.3 37.9





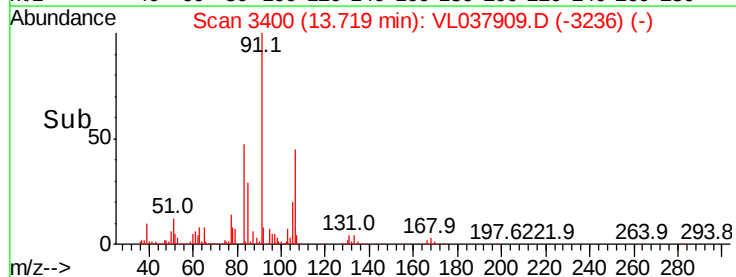
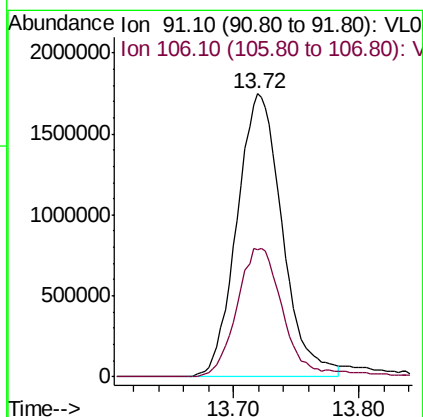
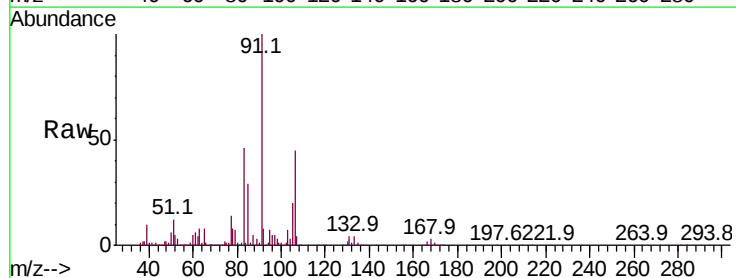
#59
m/p-Xylene
Concen: 8.477 ppbv
RT: 13.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 9:10

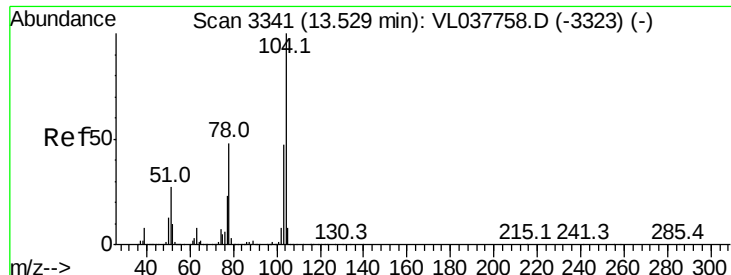
Tot Ion: 91 Resp: 4994682
Ion Ratio Lower Upper
91 100
106 88.8 36.7 55.1#



#60
o-Xylene
Concen: 7.711 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.03 min
Lab File: VL037909.D
Acq: 27 Oct 2021 9:10

Tgt Ion: 91 Resp: 4353924
Ion Ratio Lower Upper
91 100
106 48.2 23.5 70.5





#61

Stvrene

Concen: 8.866 ppbv

RT: 13.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

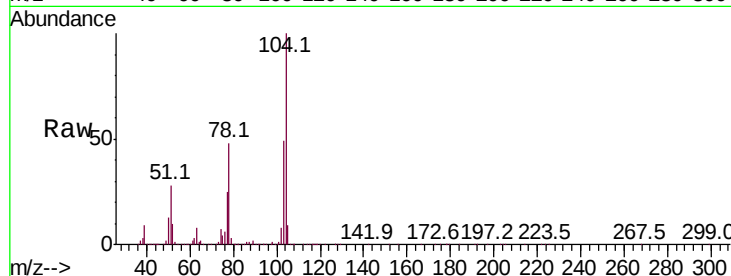
Tot Ion:104 Resp: 2421544

Ion Ratio Lower Upper

104 100

78 50.3 40.6 61.0

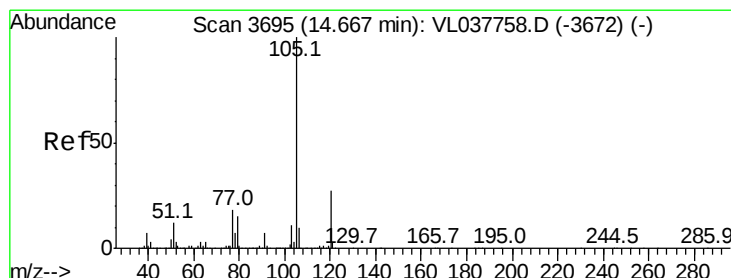
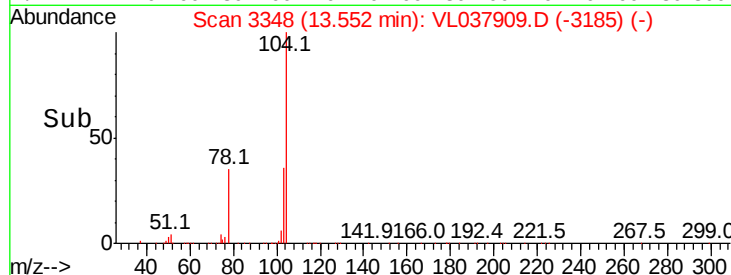
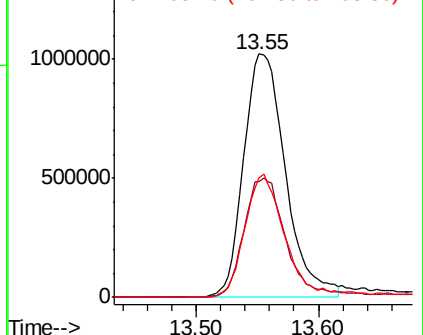
103 49.5 39.6 59.4



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: 7.758 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.03 min

Lab File: VL037909.D

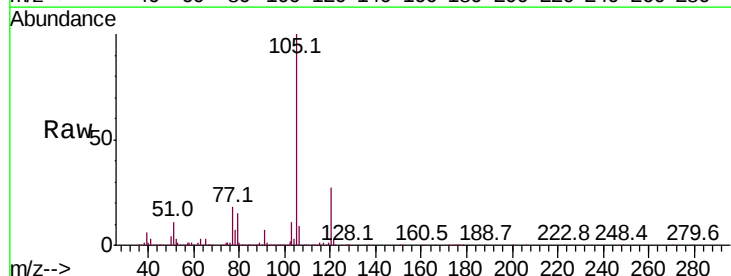
Acq: 27 Oct 2021 9:10

Tgt Ion:105 Resp: 6110238

Ion Ratio Lower Upper

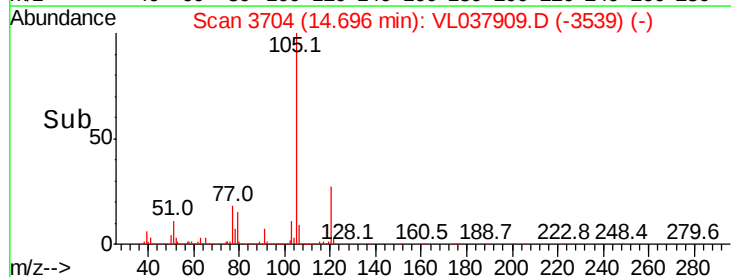
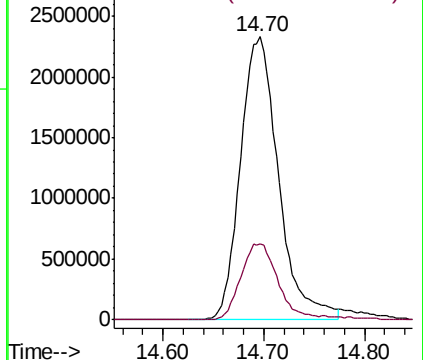
105 100

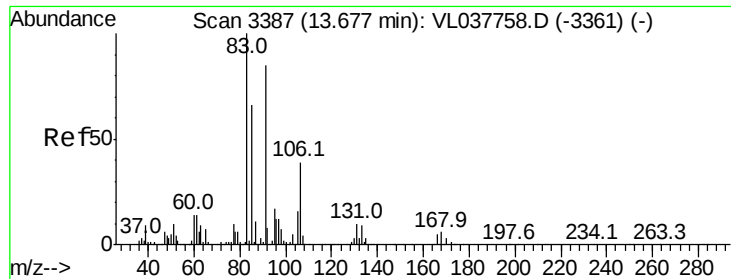
120 27.4 21.3 31.9



Abundance Ion 105.10 (104.80 to 105.80): V

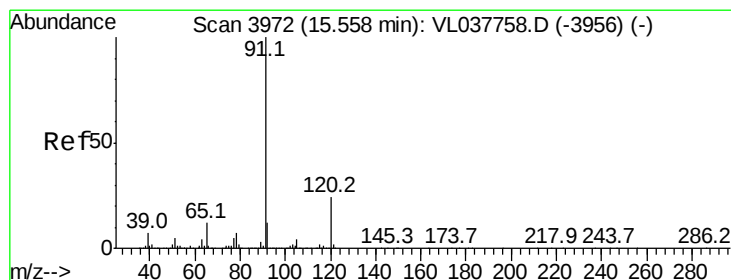
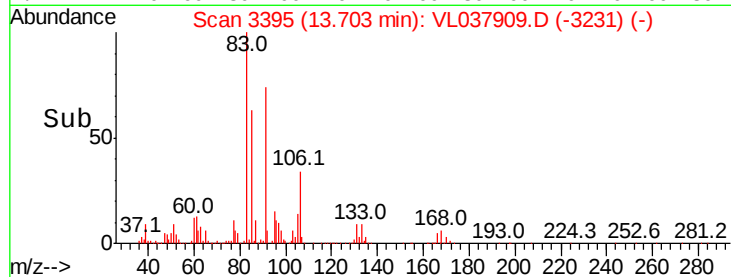
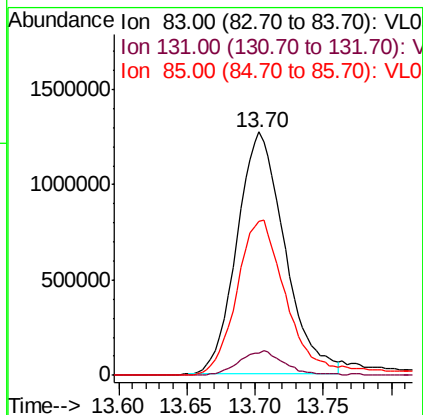
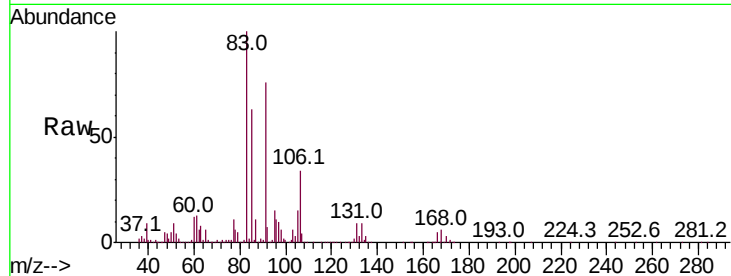
Ion 120.20 (119.90 to 120.90): V





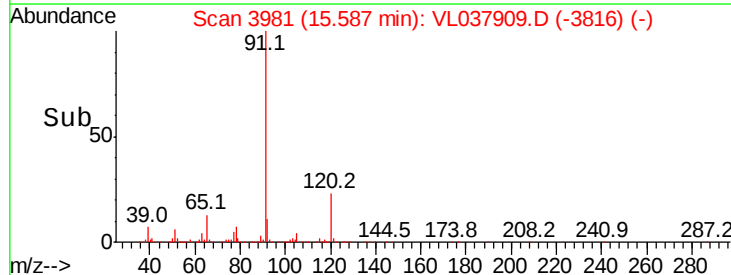
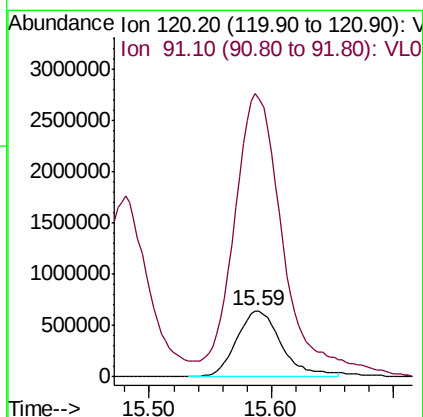
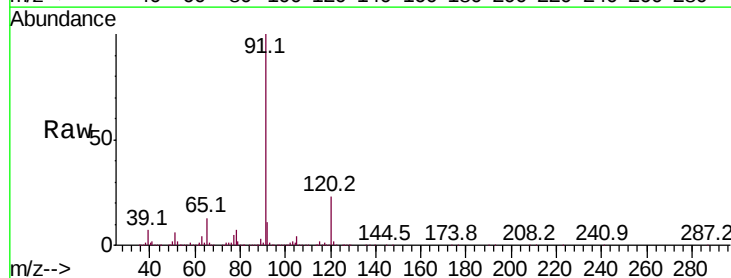
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.111 ppbv
 RT: 13.70
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 9:10

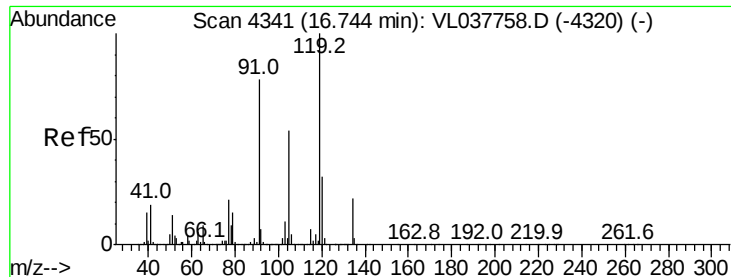
Tot Ion: 83 Resp: 3098274
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.0 15.0
 85 69.6 33.1 99.5



#64
 n-propylbenzene
 Concen: 8.388 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.03 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

Tgt Ion:120 Resp: 1647440
 Ion Ratio Lower Upper
 120 100
 91 470.1 375.0 562.6





#65

tert-Butylbenzene

Concen: 7.836 ppbv

RT: 16.77

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

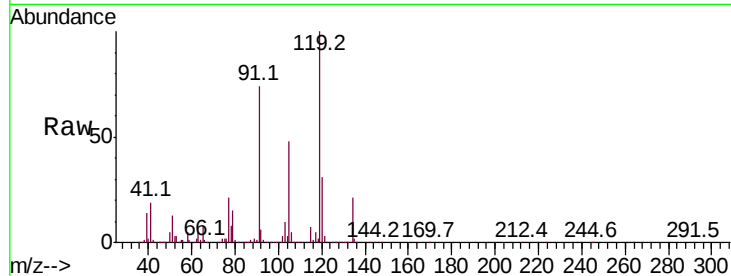
Tot Ion: 119 Resp: 5430421

Ion Ratio Lower Upper

119 100

91 77.1 62.6 94.0

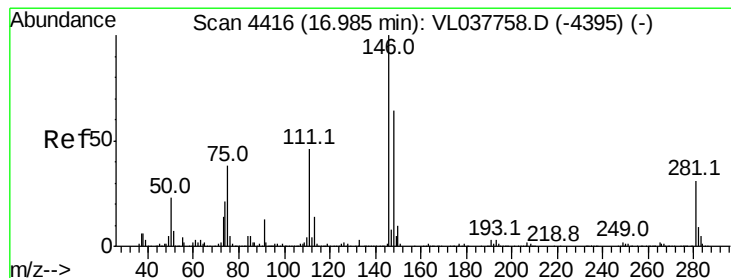
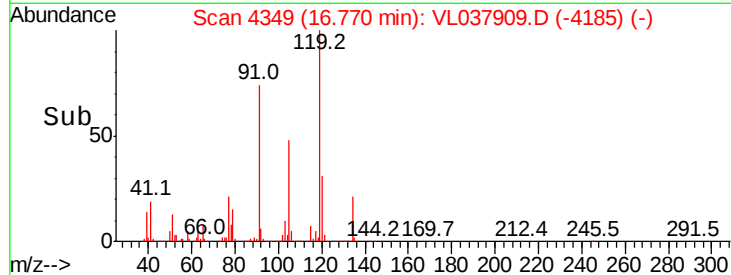
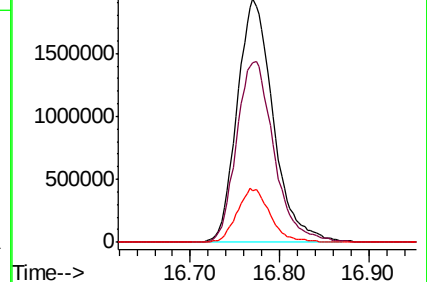
134 20.3 16.3 24.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.180 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.03 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

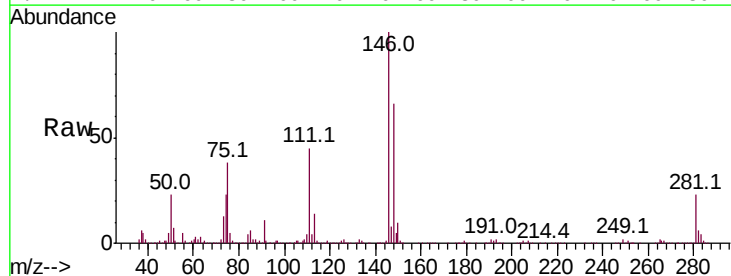
Tgt Ion: 91 Resp: 279779

Ion Ratio Lower Upper

91 100

126 20.2 0.0 0.0#

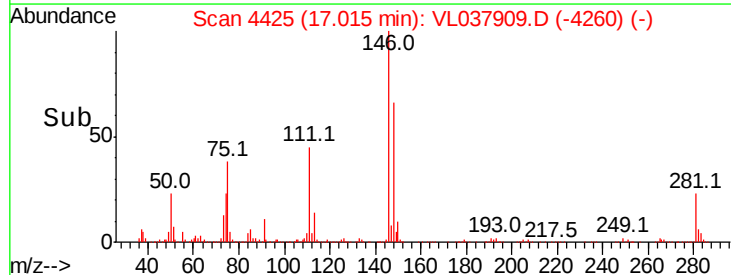
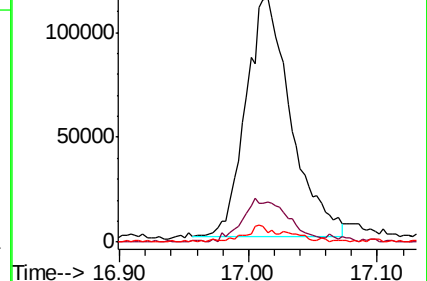
128 6.9 5.3 7.9

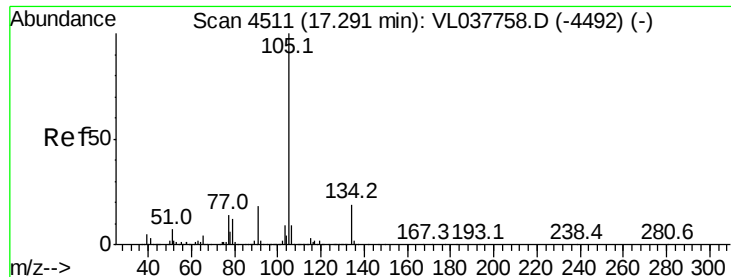


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.990 ppbv

RT: 17.32

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

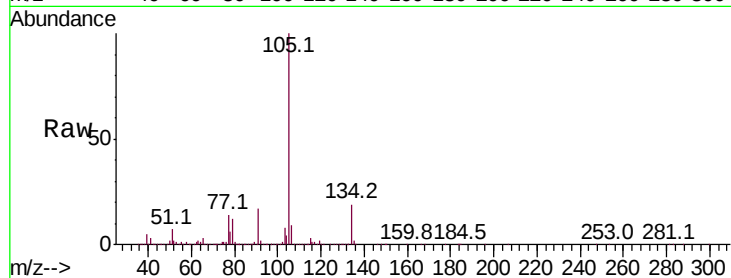
Acq: 27 Oct 2021 9:10

Tot Ion: 105 Resp: 7573307

Ion Ratio Lower Upper

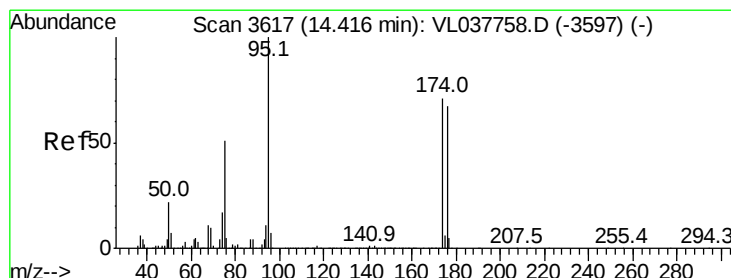
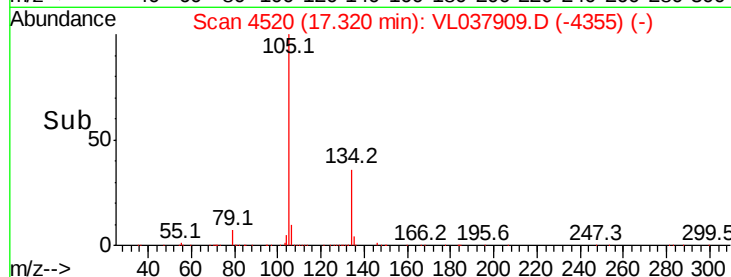
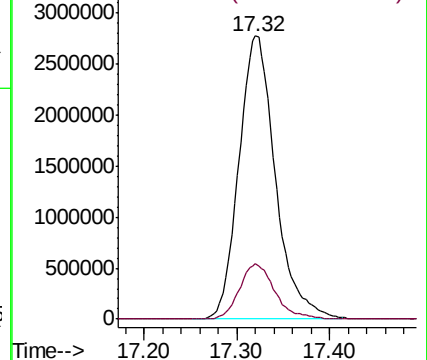
105 100

134 19.1 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.037 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.03 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

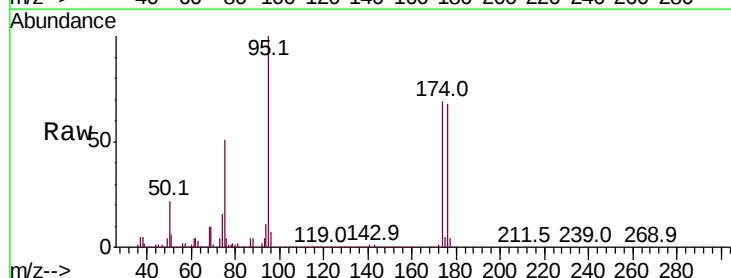
Tgt Ion: 95 Resp: 2872644

Ion Ratio Lower Upper

95 100

174 74.2 57.8 86.6

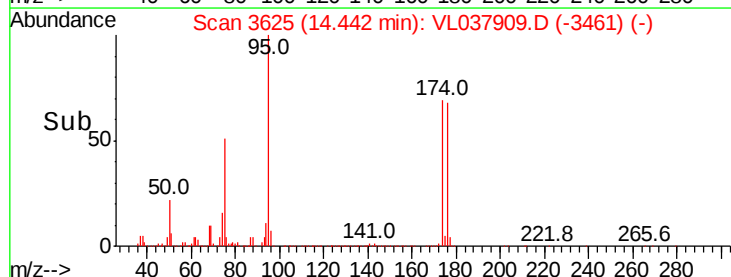
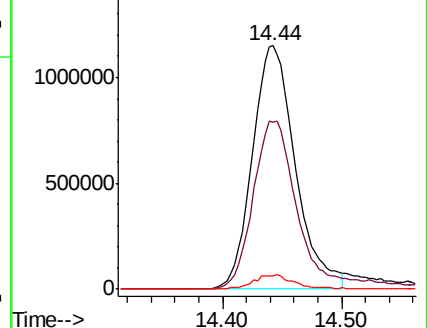
175 5.9 4.7 7.1

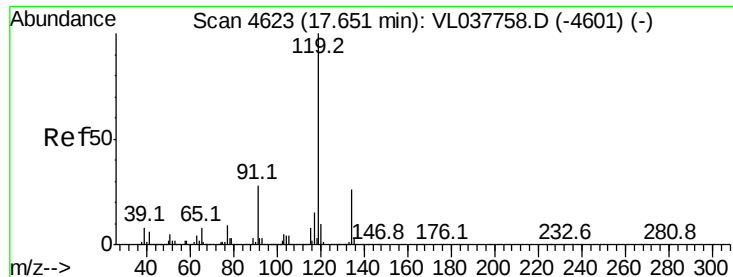


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

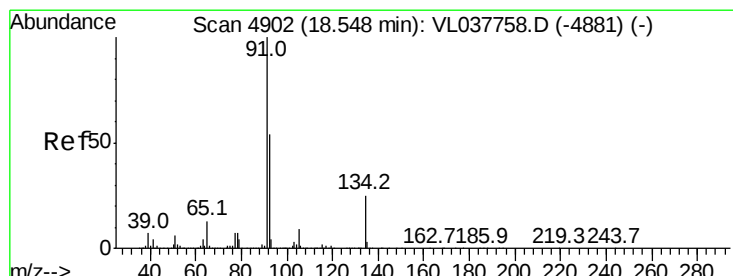
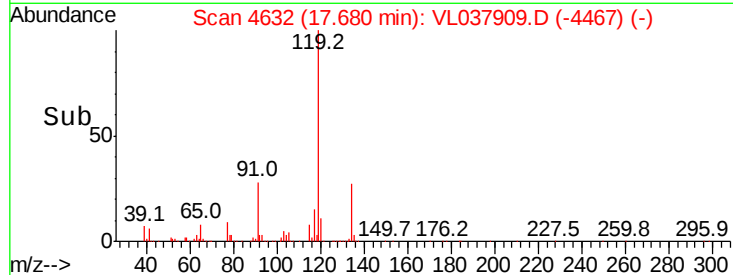
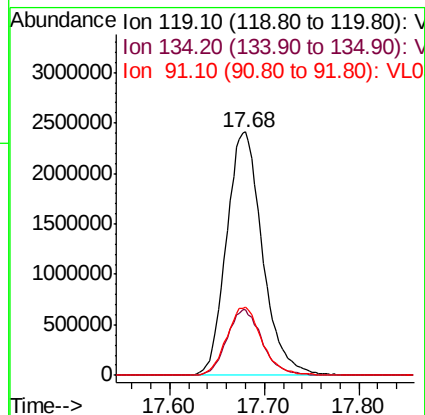
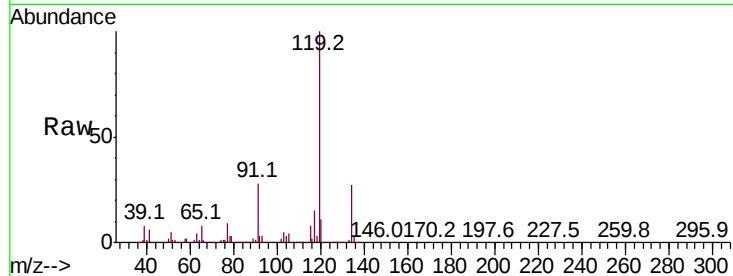
Ion 175.00 (174.70 to 175.70): V





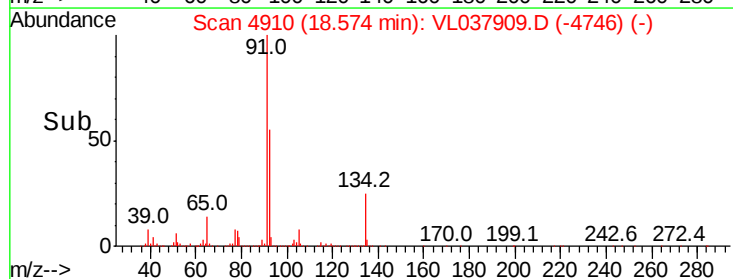
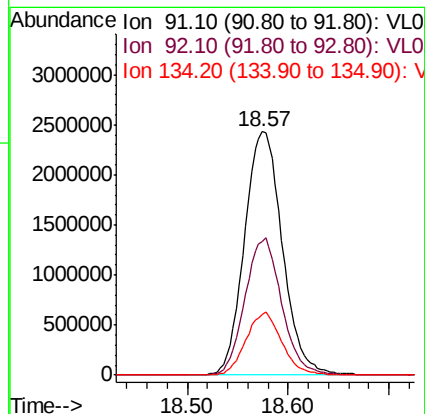
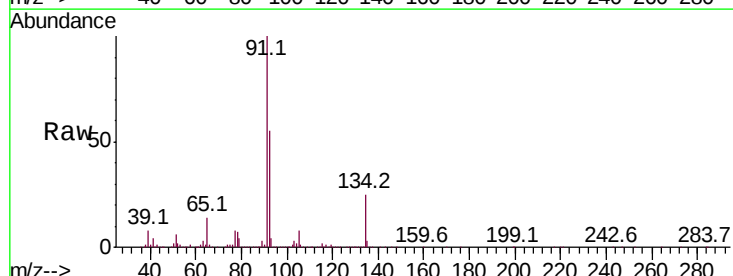
#69
 p-Isopropyltoluene
 Concen: 8.264 ppbv
 RT: 17.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 9:10

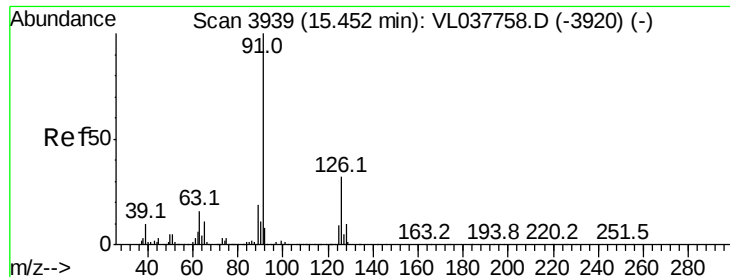
Tot Ion:	119	Resp:	6332579
Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	27.7	22.2	33.4



#70
 n-Butylbenzene
 Concen: 8.679 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.03 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

Tgt Ion:	91	Resp:	6318054
Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.4	65.0
134	24.6	19.8	29.6





#71

2-Chlorotoluene

Concen: 7.968 ppbv

RT: 15.48

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

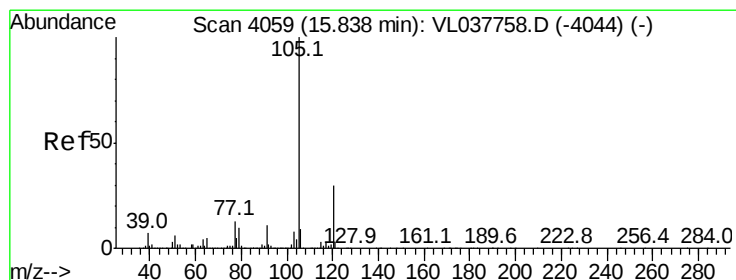
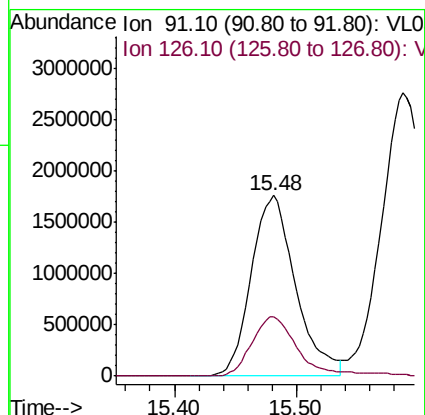
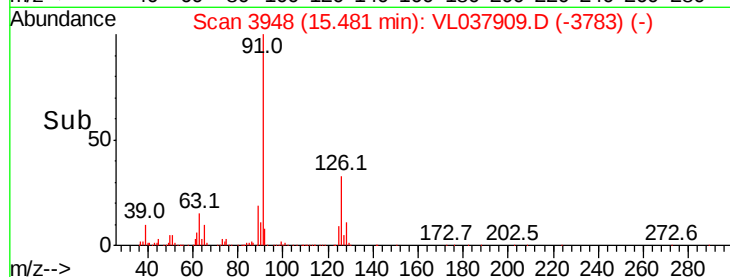
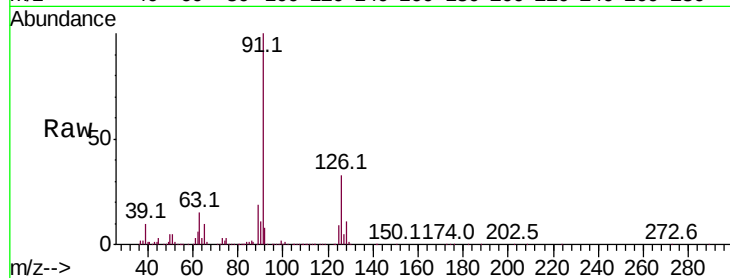
Acq: 27 Oct 2021 9:10

Tot Ion: 91 Resp: 4431323

Ion Ratio Lower Upper

91 100

126 35.2 13.6 54.6



#72

4-Ethyltoluene

Concen: 8.701 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.03 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion:105 Resp: 5578089

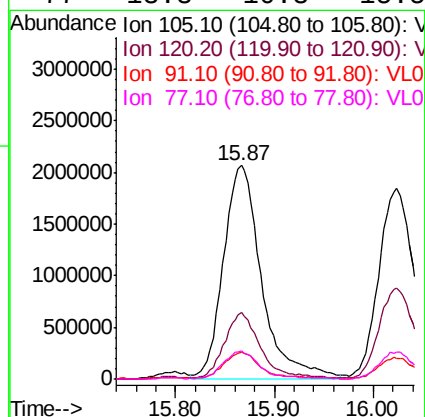
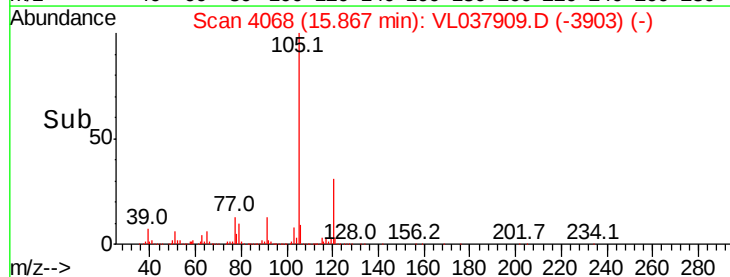
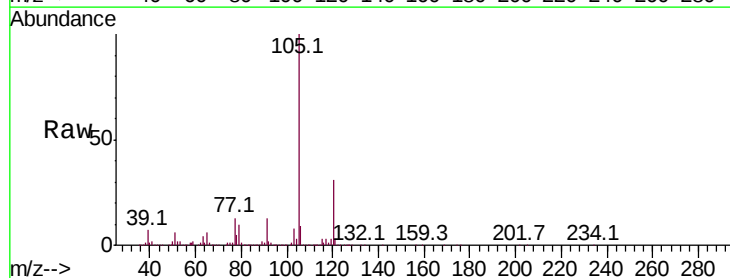
Ion Ratio Lower Upper

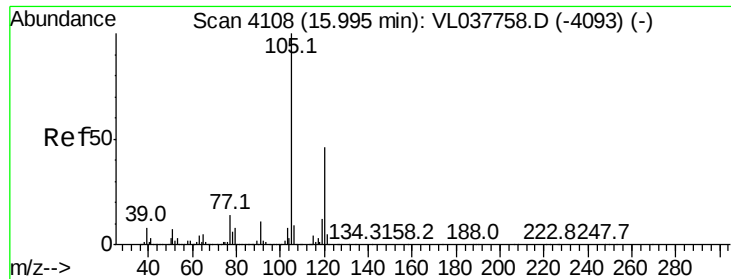
105 100

120 29.8 24.2 36.2

91 11.7 10.4 15.6

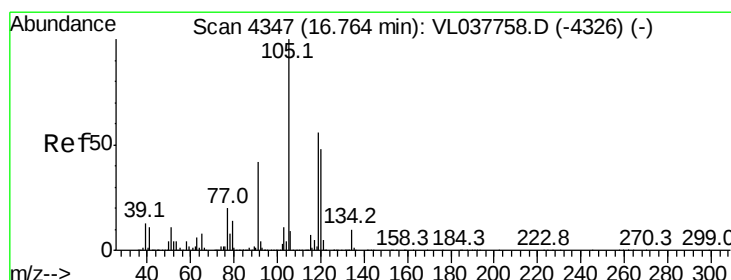
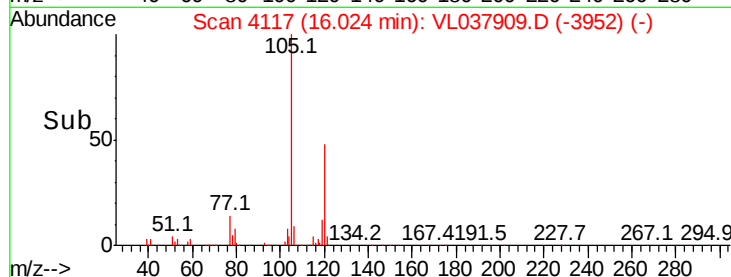
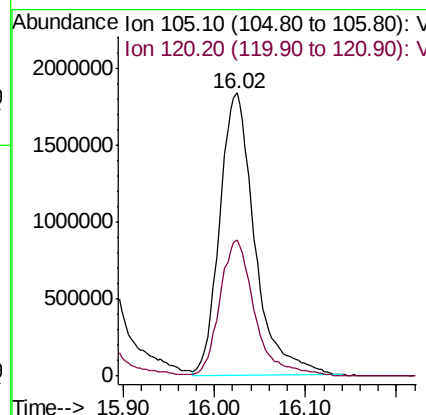
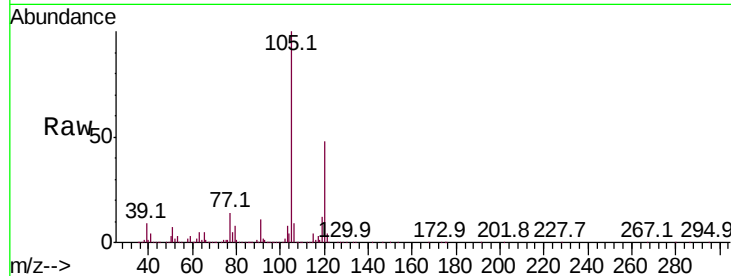
77 13.3 10.3 15.5





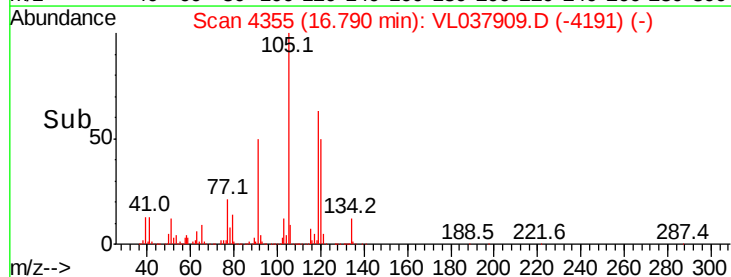
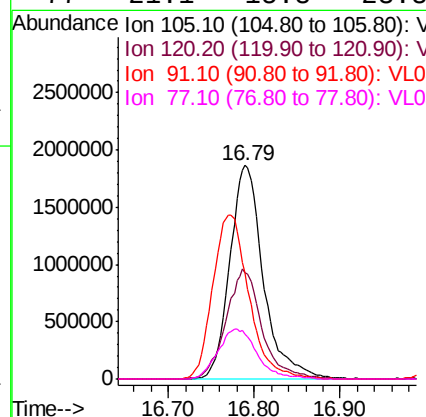
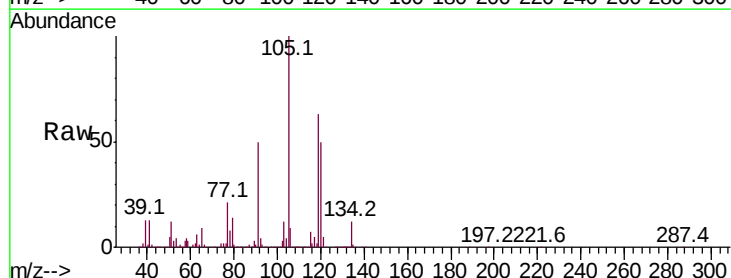
#73
 1,3,5-Trimethylbenzene
 Concen: 8.460 ppbv
 RT: 16.02 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Oct 2021 9:10

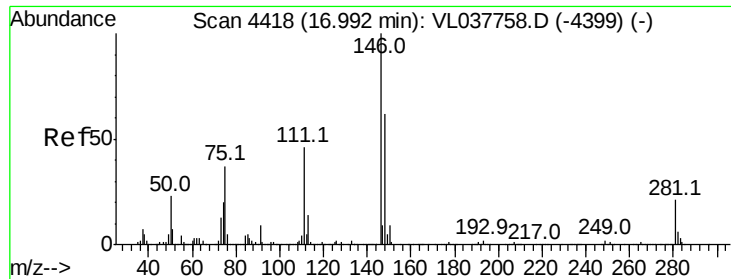
Tot Ion:105 Resp: 4926610
 Ion Ratio Lower Upper
 105 100
 120 47.9 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 8.233 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.03 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

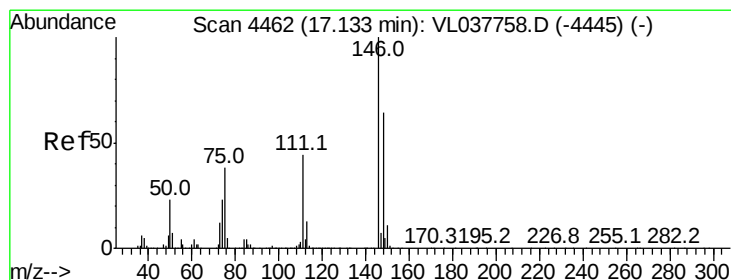
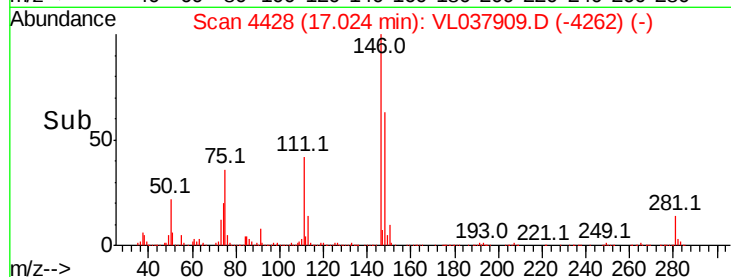
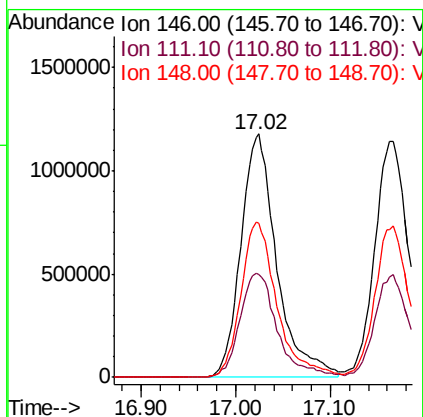
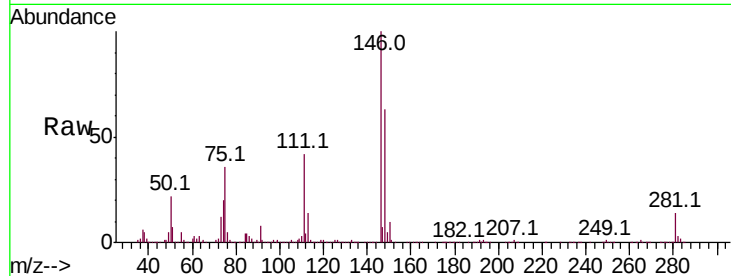
Tgt Ion:105 Resp: 5034653
 Ion Ratio Lower Upper
 105 100
 120 49.7 38.4 57.6
 91 49.7 34.2 51.2
 77 21.1 15.8 23.8





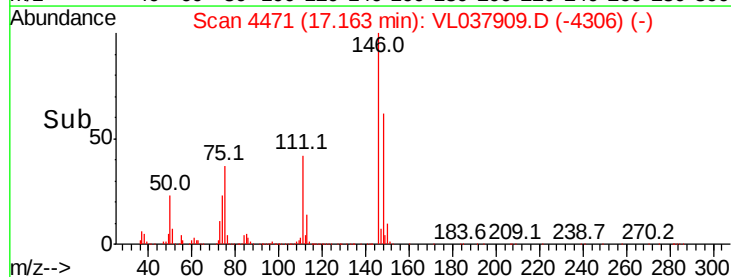
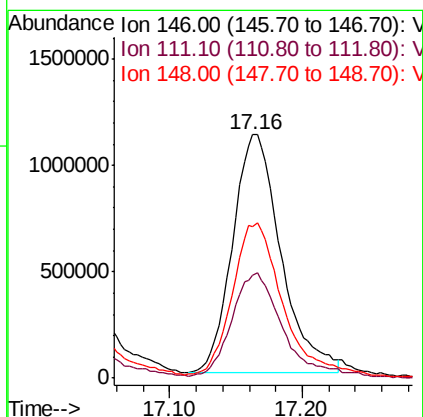
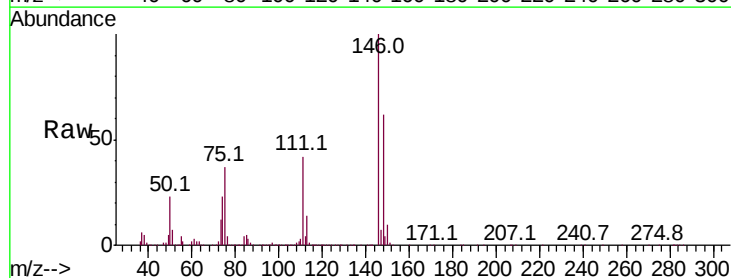
#75
 1,3-Dichlorobenzene
 Concen: 8.197 ppbv
 RT: 17.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Oct 2021 9:10

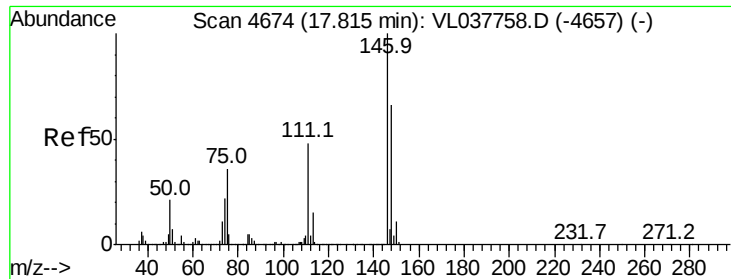
Tot Ion:146 Resp: 3105796
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.8 68.4
 148 64.3 32.8 98.3



#76
 1,4-Dichlorobenzene
 Concen: 7.838 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.03 min
 Lab File: VL037909.D
 Acq: 27 Oct 2021 9:10

Tgt Ion:146 Resp: 2832753
 Ion Ratio Lower Upper
 146 100
 111 47.7 22.4 67.3
 148 69.6 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 8.121 ppbv

RT: 17.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

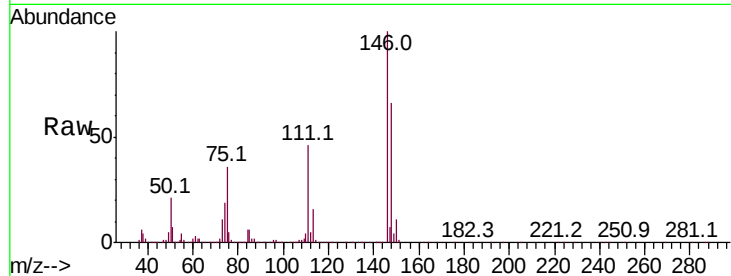
Tot Ion:146 Resp: 2955668

Ion Ratio Lower Upper

146 100

111 46.9 23.6 70.8

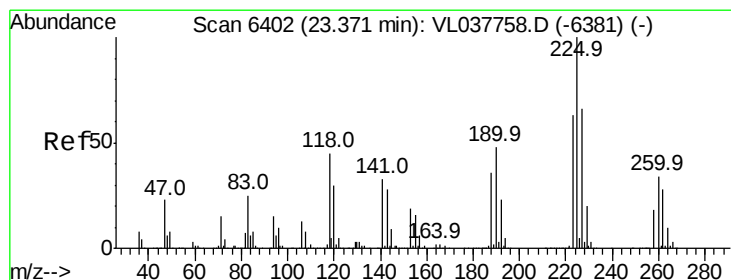
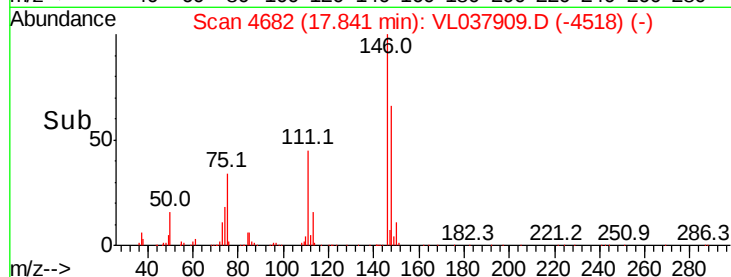
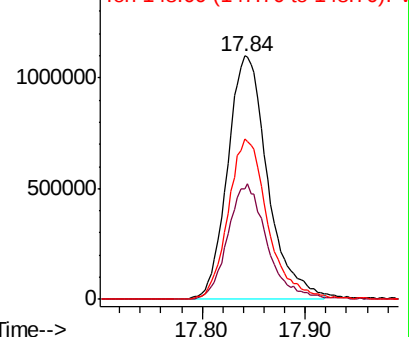
148 65.3 32.9 98.6



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: 7.530 ppbv

RT: 23.40 min Scan# 6410

Delta R.T. 0.03 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

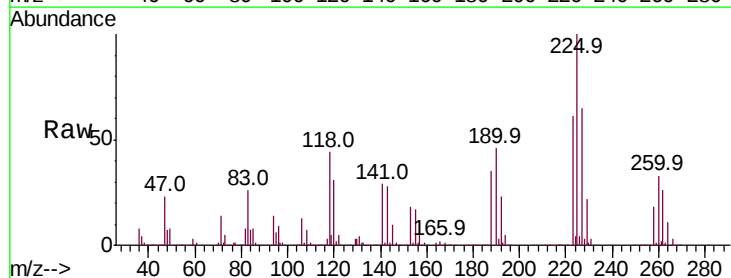
Tgt Ion:225 Resp: 2237678

Ion Ratio Lower Upper

225 100

223 63.9 51.2 76.8

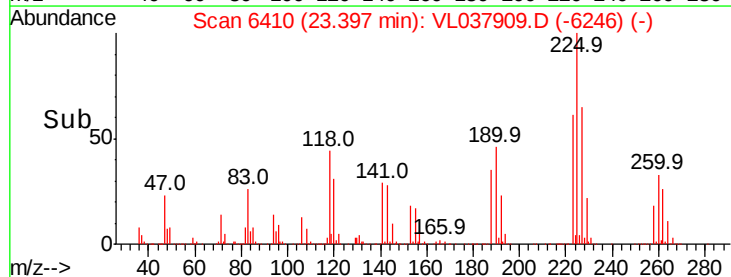
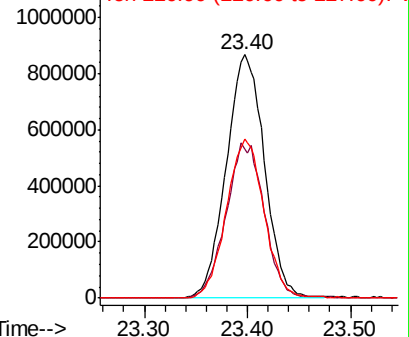
227 64.5 51.1 76.7

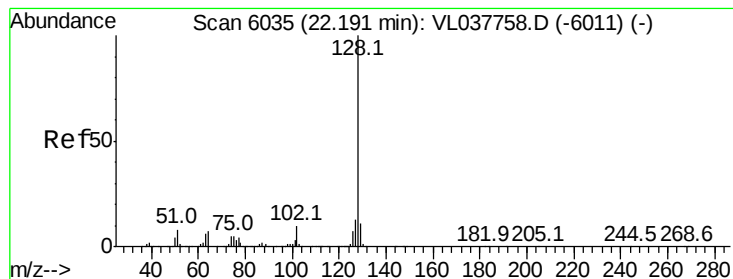


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.068 ppbv

RT: 22.22

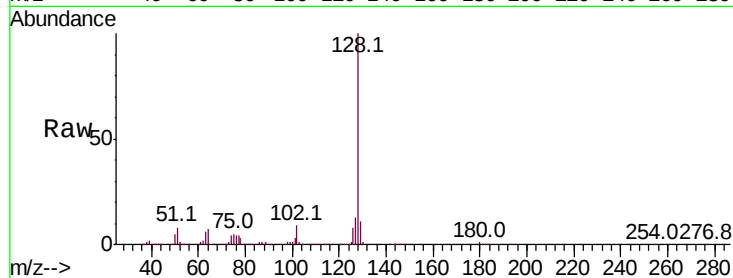
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10

Tot Ion:128 Resp: 3770777

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.4	9.1	13.7

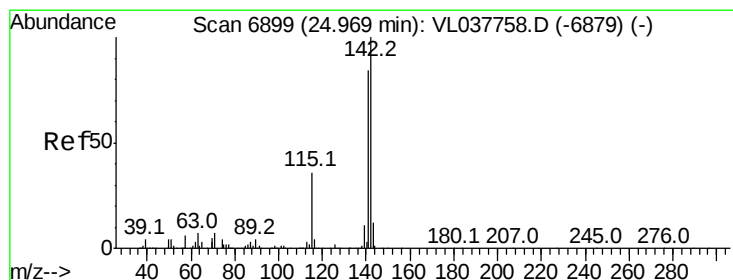
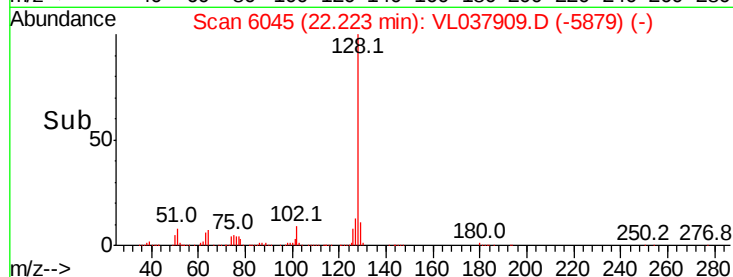
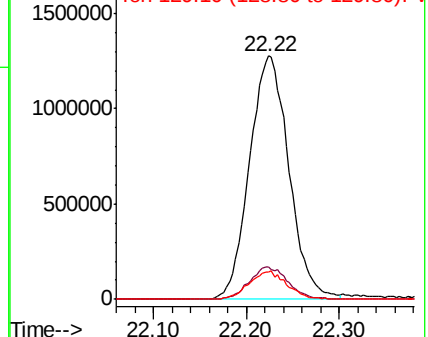


Abundance

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: 9.569 ppbv

RT: 24.99 min Scan# 6906

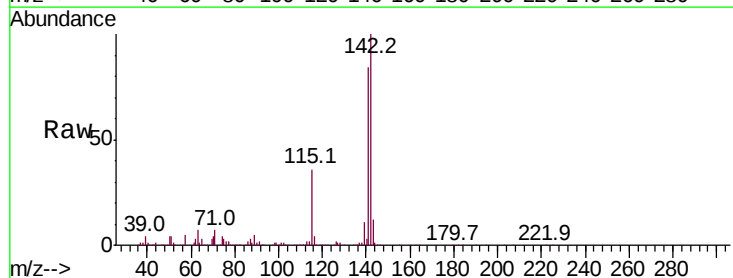
Delta R.T. 0.02 min

Lab File: VL037909.D

Acq: 27 Oct 2021 9:10

Tgt Ion:142 Resp: 962345

Ion	Ratio	Lower	Upper
142	100		
141	86.0	68.6	102.8
115	35.5	29.0	43.6

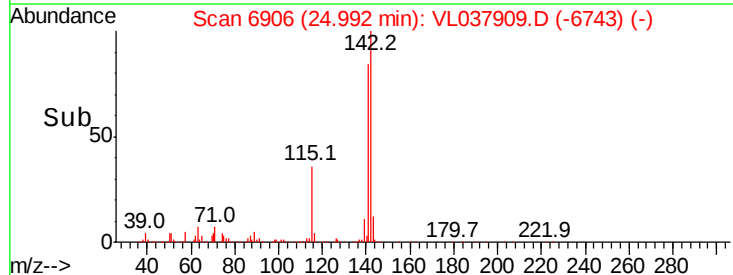
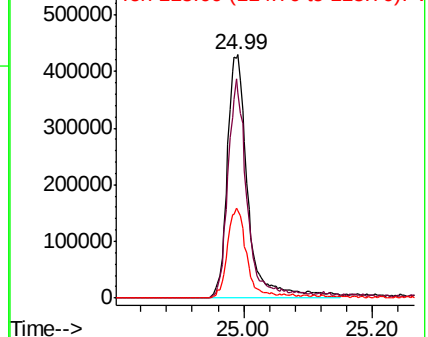


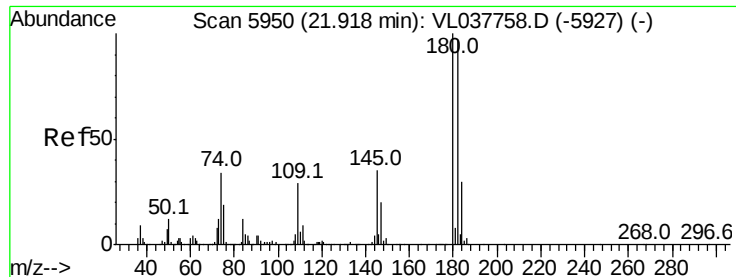
Abundance

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: 9.423 ppbv

RT: 21.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 9:10 VSTDCCC010

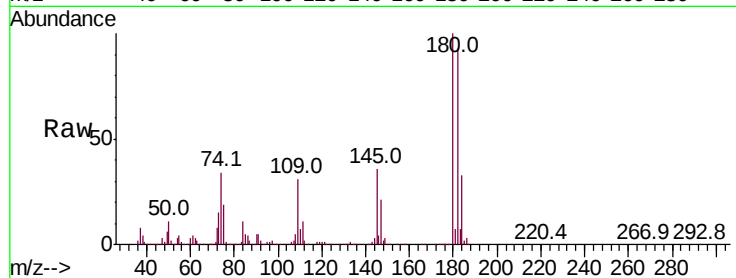
Tot Ion:180 Resp: 2257117

Ion Ratio Lower Upper

180 100

182 96.9 77.6 116.4

184 31.3 25.0 37.4



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

