

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037961.D
 Acq On : 2 Nov 2021 5:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Nov 02 07:46:20 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	1466542	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4249714	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	4738546	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2938097	8.53	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2052318	9.932	ppbv	99
3) Chlorodifluoromethane	2.99	51	2486756	9.109	ppbv	100
4) Chloromethane	3.13	50	946404	9.121	ppbv	98
5) Vinyl Chloride	3.25	62	933112	9.331	ppbv	100
6) Bromomethane	3.47	94	523355	9.688	ppbv	95
7) Chloroethane	3.55	64	334104	9.256	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2168815	9.112	ppbv	99
9) Propene	3.01	41	907168	9.268	ppbv	97
10) Heptane	8.11	43	2276118	9.995	ppbv	100
11) Trichlorofluoromethane	3.94	101	1894782	9.209	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1539068	9.596	ppbv	99
13) Ethanol	3.60	45	108892	11.027	ppbv	94
14) Bromoethene	3.73	108	672806	9.589	ppbv	99
15) Acetone	3.84	43	1078352	8.898	ppbv	100
16) 1,3-Butadiene	3.32	39	925471	9.692	ppbv	100
17) tert-Butyl alcohol	4.28	59	1263921	10.031	ppbv	98
18) 1,1-Dichloroethene	4.28	96	664238	8.998	ppbv	96
19) Isopropyl Alcohol	3.96	45	714506	9.220	ppbv #	95
20) Methylene Chloride	4.34	84	574346	8.633	ppbv	98
21) Allyl Chloride	4.40	41	1101586	9.852	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	704498	9.605	ppbv #	91
23) Vinyl Acetate	5.06	43	1719382	9.423	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1420796	9.425	ppbv	99
25) Ethyl Acetate	5.67	43	3549870	9.862	ppbv	100
26) Hexane	5.67	57	1650463	9.678	ppbv	99
27) Carbon Disulfide	4.54	76	1711240	10.164	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1407628	9.818	ppbv	99
29) Chloroform	5.74	83	2337729	9.192	ppbv	99
30) Cyclohexane	7.12	84	1388535	9.525	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1523738	9.793	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2176720	8.708	ppbv	99
34) 2-Butanone	5.23	43	1505892	9.563	ppbv	100
35) Carbon Tetrachloride	7.01	117	2281428	8.880	ppbv	99
36) Benzene	6.88	78	3422096	9.888	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1603883	9.748	ppbv	99
38) Trichloroethene	7.82	130	1326617	9.236	ppbv	97
39) 1,2-Dichloropropane	7.60	63	1294171	9.938	ppbv	97
40) 1,4-Dioxane	7.82	88	317360	9.254	ppbv	92
41) Tetrahydrofuran	6.03	42	799616	10.378	ppbv	97
42) Bromodichloromethane	7.77	83	2408552	9.682	ppbv	98
43) Methyl Methacrylate	8.00	69	1213540	10.683	ppbv	98

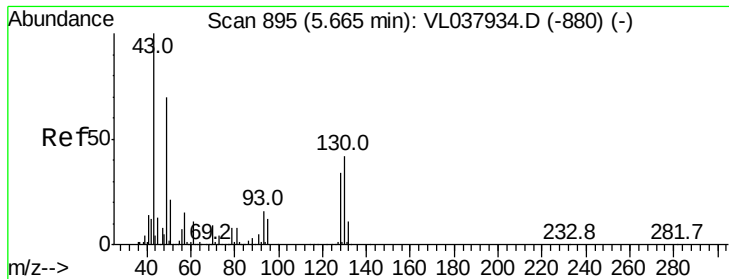
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
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 VSTDCCC010EC

Quant Time: Nov 02 07:46:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5755186	9.777	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	950687	11.390	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1280386	11.157	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1339155	9.153	ppbv	98
48) Dibromochloromethane	10.29	129	2059522	9.942	ppbv	98
49) Bromoform	13.02	173	1551025	9.472	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2192569	10.597	ppbv	100
51) 2-Hexanone	10.12	43	958372	10.991	ppbv	100
52) Tetrachloroethene	11.20	164	1195369	9.105	ppbv	98
53) Toluene	9.79	91	3866126	10.420	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1849152	9.800	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1431743	7.484	ppbv #	55
57) Chlorobenzene	12.13	112	2760205	7.298	ppbv	99
58) Ethyl Benzene	12.69	91	4752111	8.201	ppbv	98
59) m/p-Xylene	12.98	91	4249694	8.251	ppbv #	37
60) o-Xylene	13.68	91	3715450	7.651	ppbv	100
61) Styrene	13.51	104	2033988	9.120	ppbv	99
62) Isopropylbenzene	14.65	105	5041965	7.333	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2642892	6.323	ppbv	99
64) n-propylbenzene	15.55	120	1372805	7.792	ppbv	99
65) tert-Butylbenzene	16.73	119	4421887	7.277	ppbv	99
66) Benzyl Chloride	16.97	91	228278	7.189	ppbv	99
67) sec-Butylbenzene	17.28	105	6158816	7.356	ppbv	100
69) p-Isopropyltoluene	17.63	119	5140309	7.654	ppbv	100
70) n-Butylbenzene	18.53	91	5058356	8.197	ppbv	99
71) 2-Chlorotoluene	15.43	91	3712068	7.705	ppbv	100
72) 4-Ethyltoluene	15.82	105	4359025	7.835	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3873102	7.434	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4084175	7.483	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2513828	7.397	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2442877	7.429	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2400871	7.524	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2126495	7.786	ppbv	98
79) Naphthalene	22.17	128	3911190	12.438	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	853319	13.940	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2176510	10.634	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 2 Nov 2021 5:58

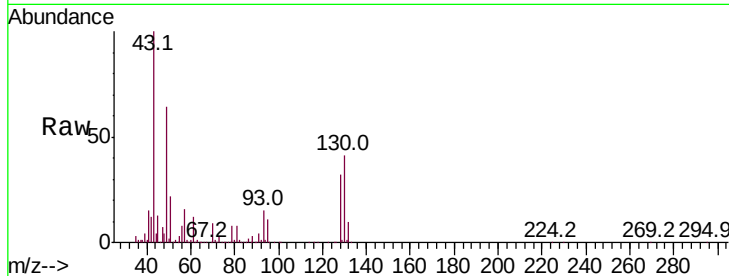
Tot Ion: 49 Resp: 1466542

Ion	Ratio	Lower	Upper
49	100		
128	53.2	27.0	81.0
130	66.4	33.4	100.2

49 100

128 53.2 27.0 81.0

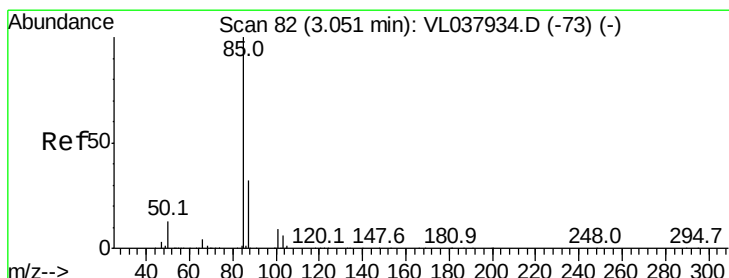
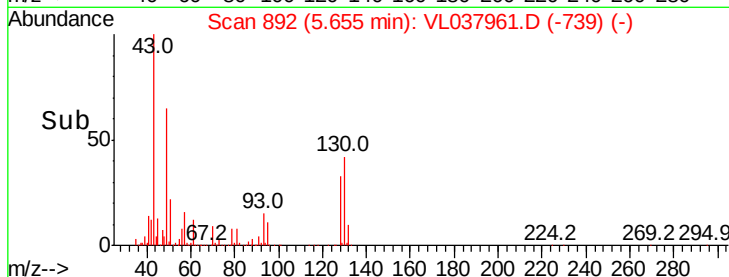
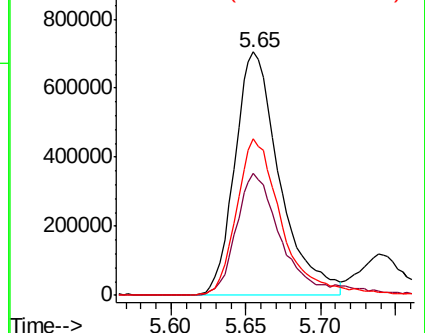
130 66.4 33.4 100.2



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: 9.932 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037961.D

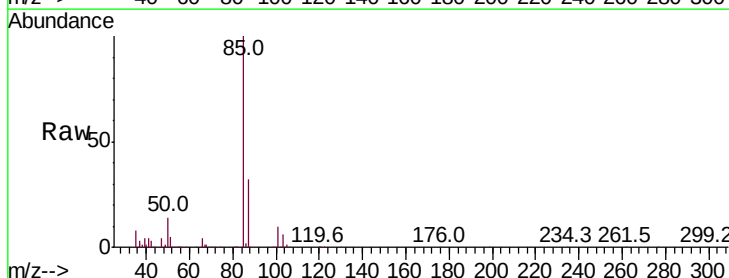
Acq: 2 Nov 2021 5:58

Tgt Ion: 85 Resp: 2052318

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.3	37.9

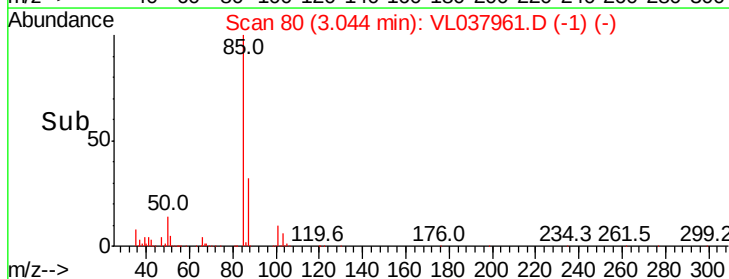
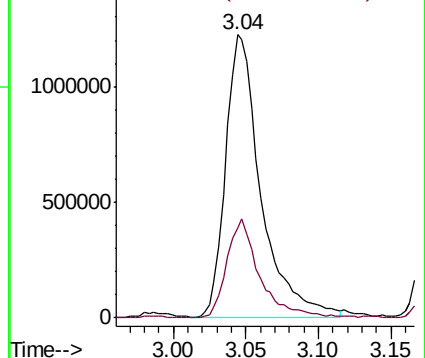
85 100

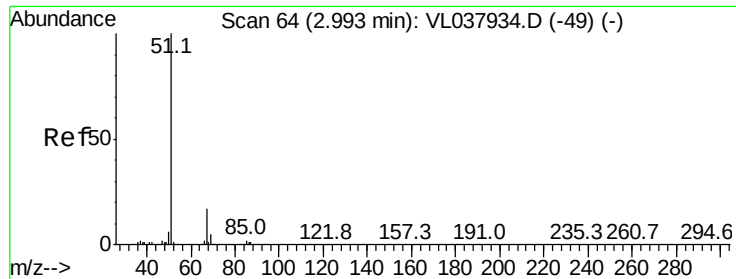
87 31.9 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.109 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

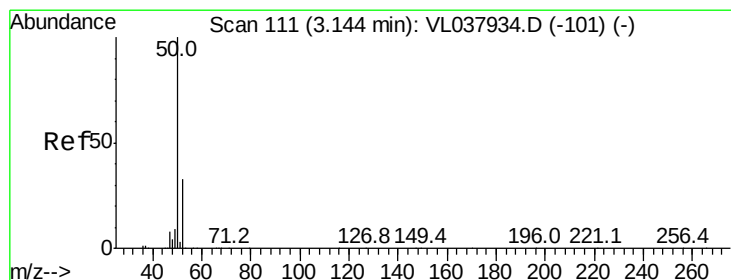
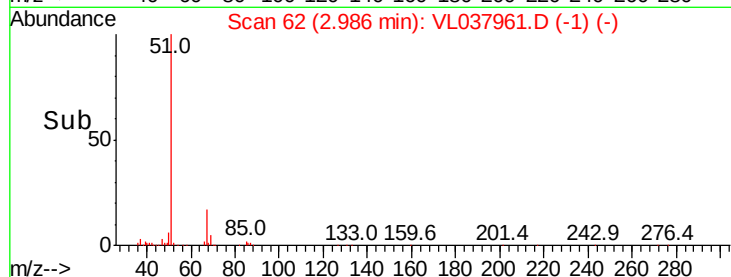
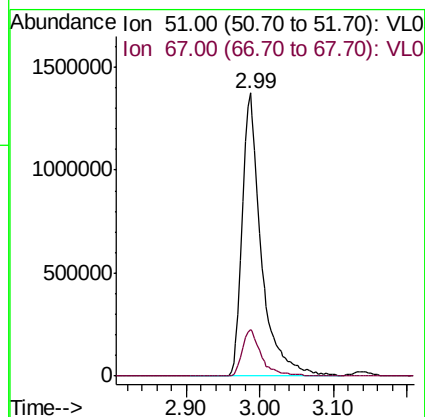
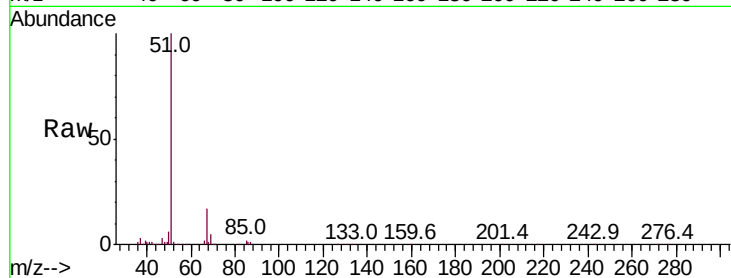
Acq: 2 Nov 2021 5:58 VSTDCCC010EC

Tot Ion: 51 Resp: 2486756

Ion Ratio Lower Upper

51 100

67 16.7 13.4 20.0



#4

Chloromethane

Concen: 9.121 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037961.D

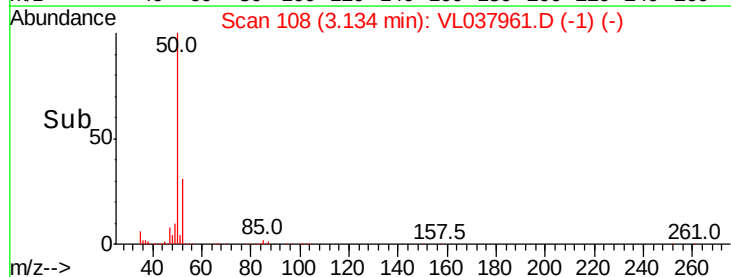
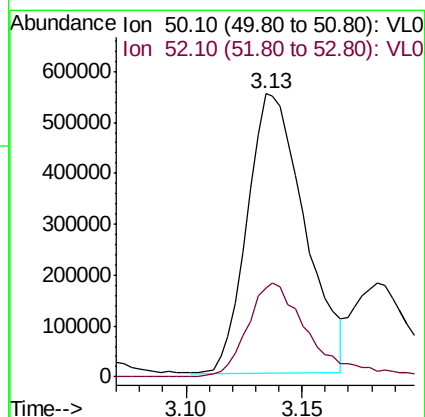
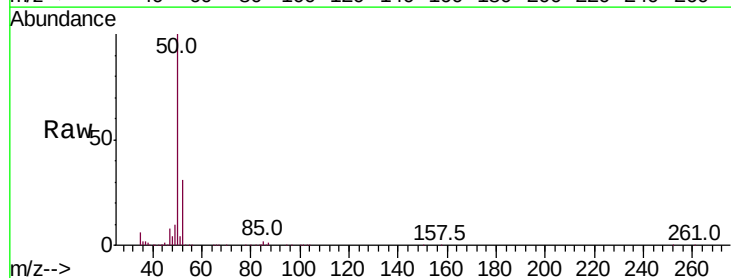
Acq: 2 Nov 2021 5:58

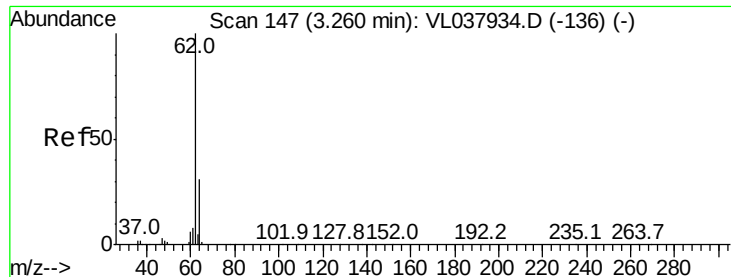
Tgt Ion: 50 Resp: 946404

Ion Ratio Lower Upper

50 100

52 31.9 26.3 39.5





#5

Vinyl Chloride

Concen: 9.331 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

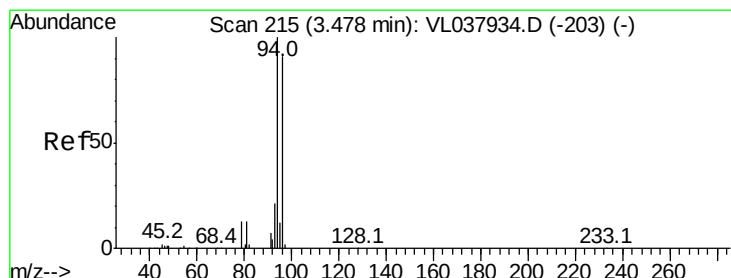
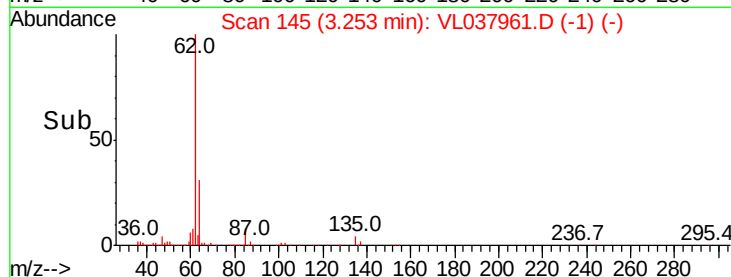
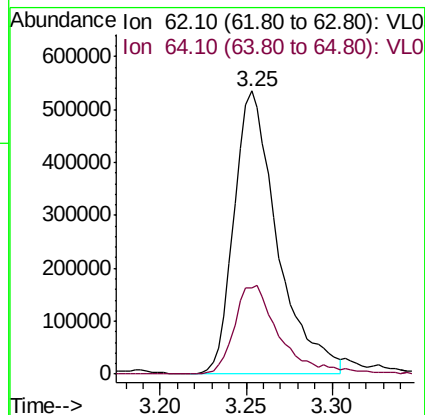
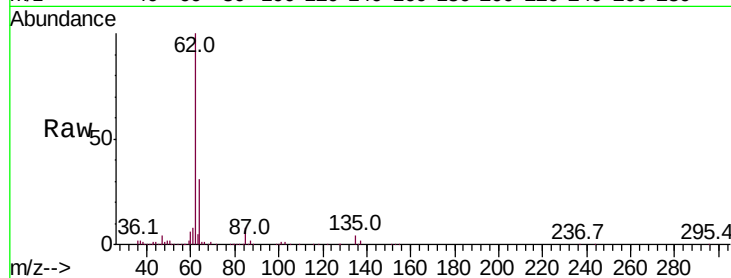
Acq: 2 Nov 2021 5:58 VSTDCCC010EC

Tot Ion: 62 Resp: 933112

Ion Ratio Lower Upper

62 100

64 30.7 24.7 37.1



#6

Bromomethane

Concen: 9.688 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037961.D

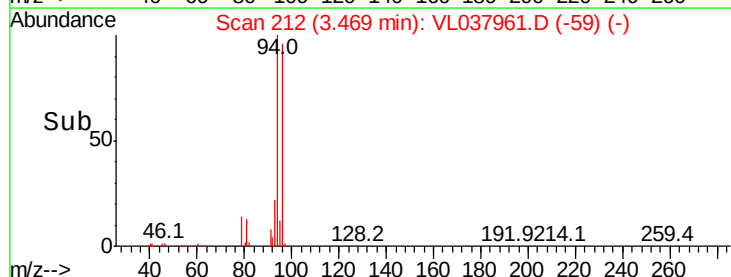
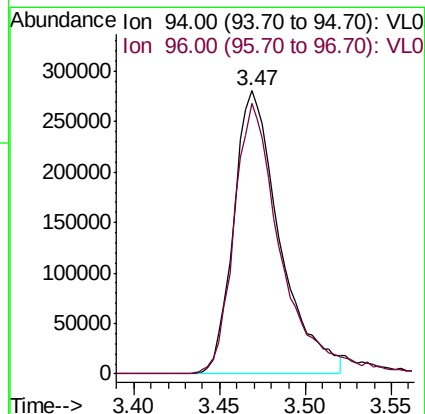
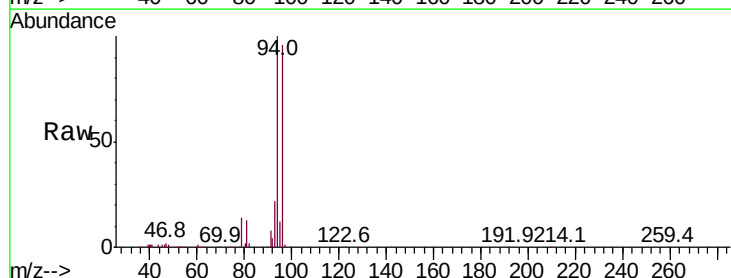
Acq: 2 Nov 2021 5:58

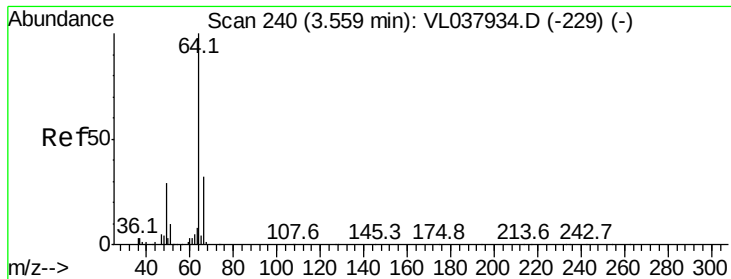
Tgt Ion: 94 Resp: 523355

Ion Ratio Lower Upper

94 100

96 95.8 73.0 109.4





#7

Chloroethane

Concen: 9.256 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

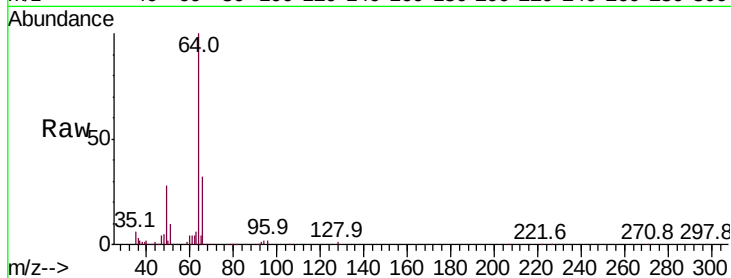
Acq: 2 Nov 2021 5:58

Tot Ion: 64 Resp: 334104

Ion Ratio Lower Upper

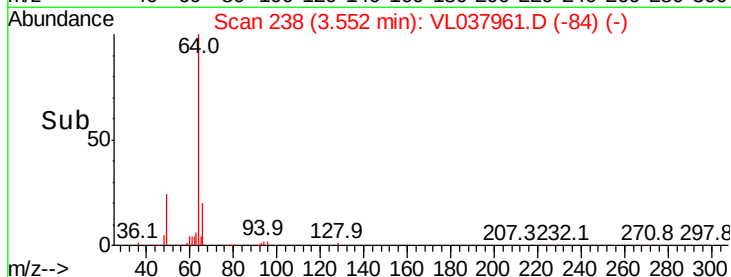
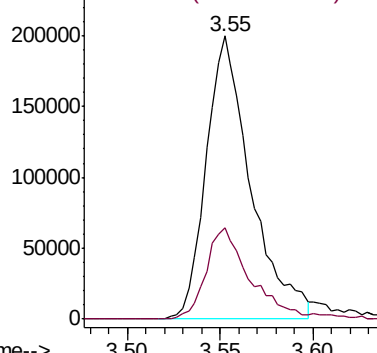
64 100

66 32.1 25.5 38.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.112 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037961.D

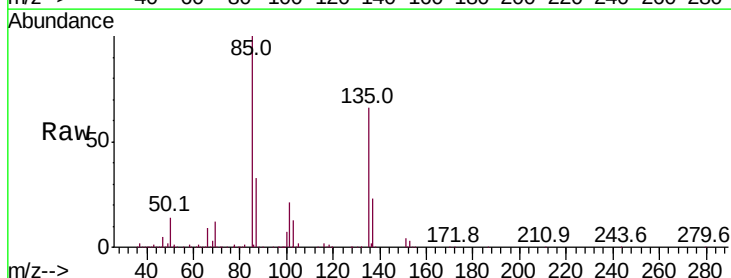
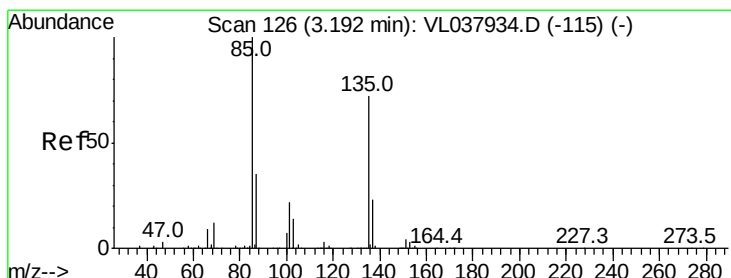
Acq: 2 Nov 2021 5:58

Tgt Ion: 85 Resp: 2168815

Ion Ratio Lower Upper

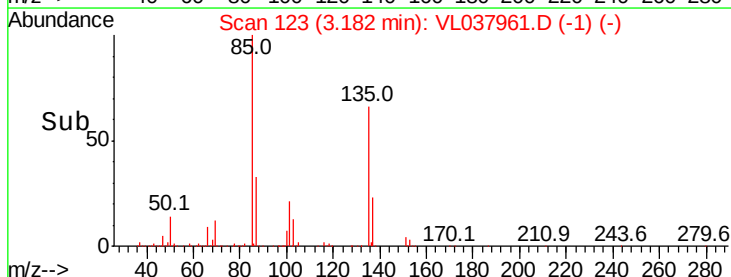
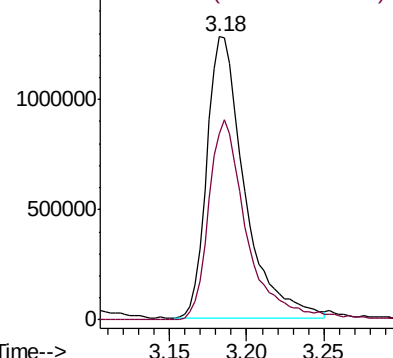
85 100

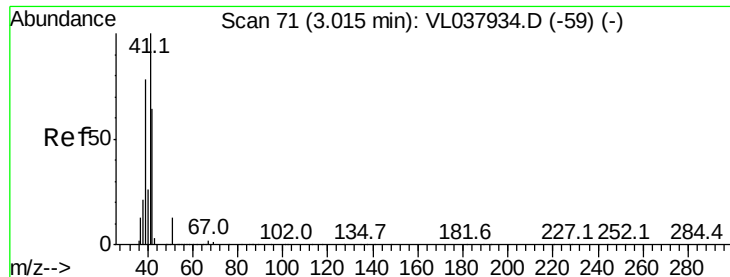
135 72.8 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 9.268 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

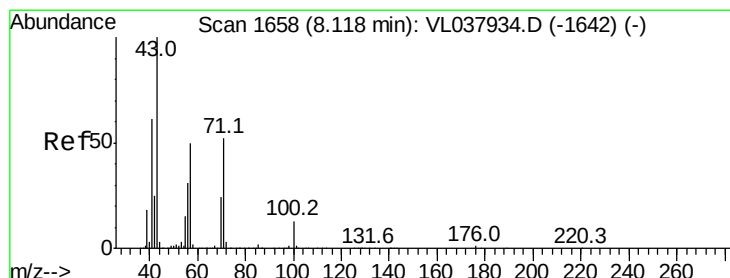
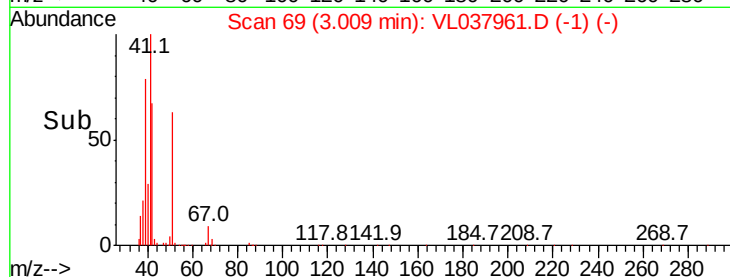
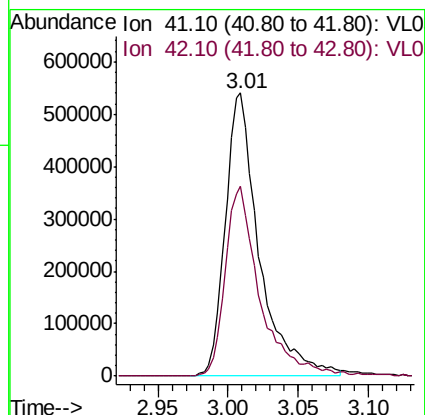
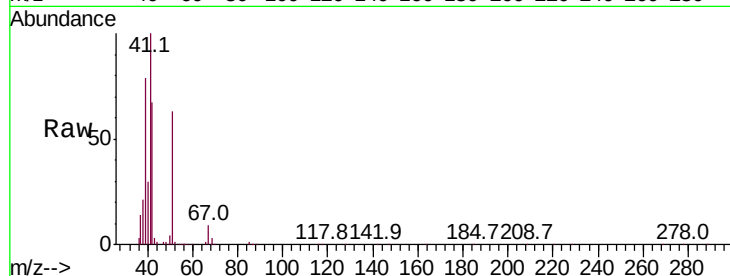
Acq: 2 Nov 2021 5:58

Tot Ion: 41 Resp: 907168

Ion Ratio Lower Upper

41 100

42 69.2 57.6 86.4



#10

Heptane

Concen: 9.995 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL037961.D

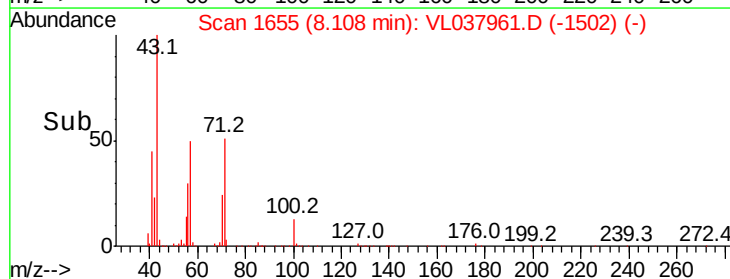
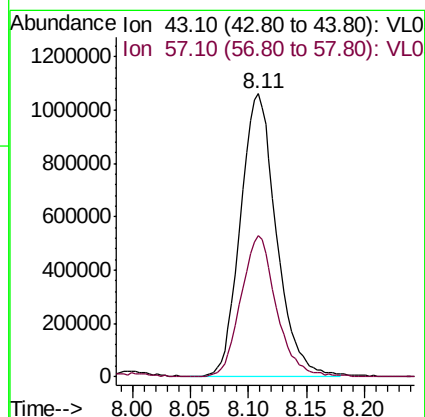
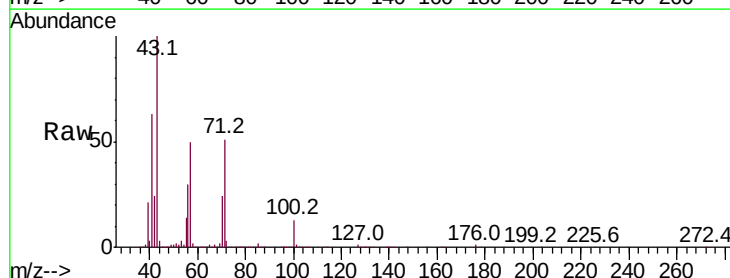
Acq: 2 Nov 2021 5:58

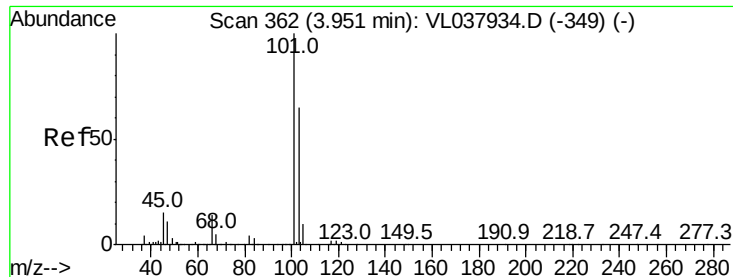
Tgt Ion: 43 Resp: 2276118

Ion Ratio Lower Upper

43 100

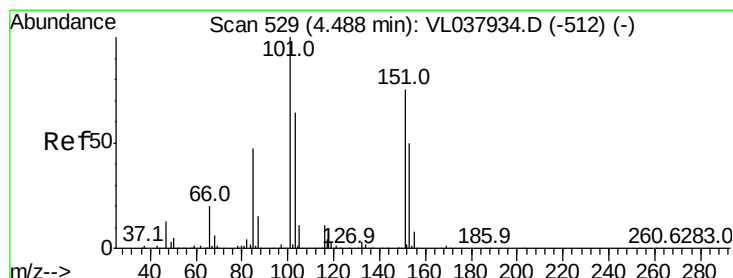
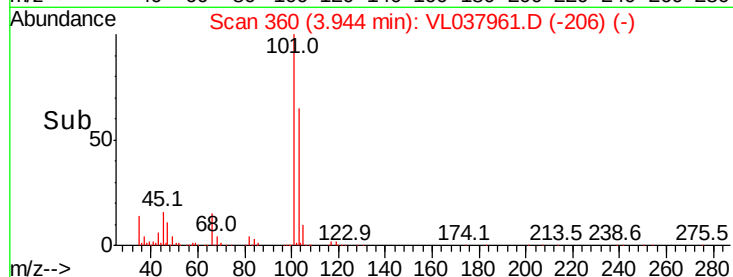
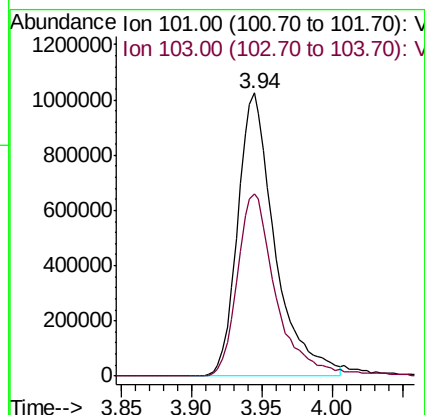
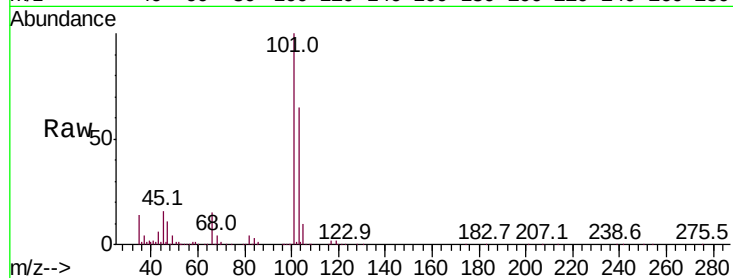
57 49.7 39.8 59.8





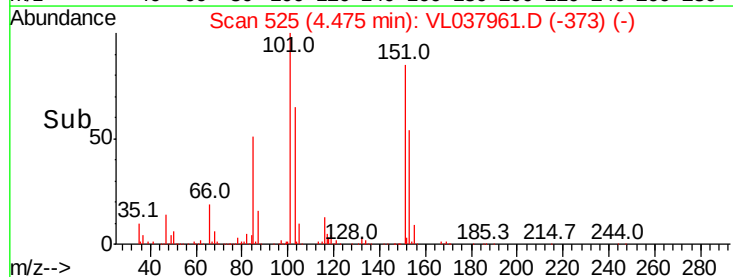
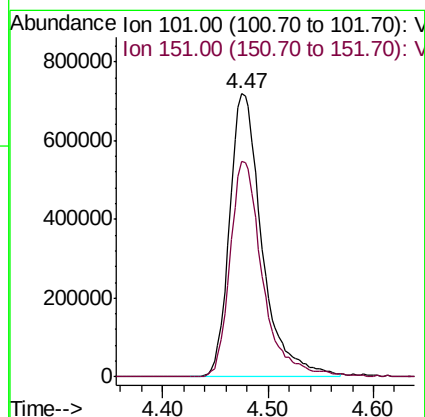
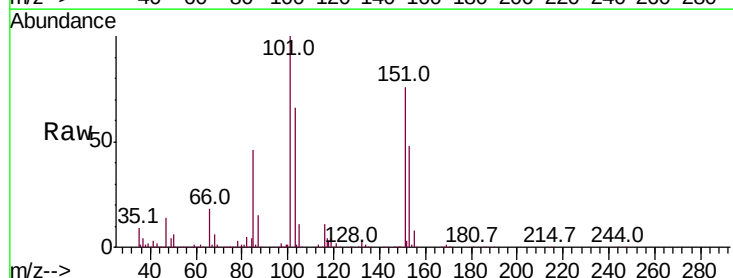
#11
 Trichlorofluoromethane
 Concen: 9.209 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 2 Nov 2021 5:58

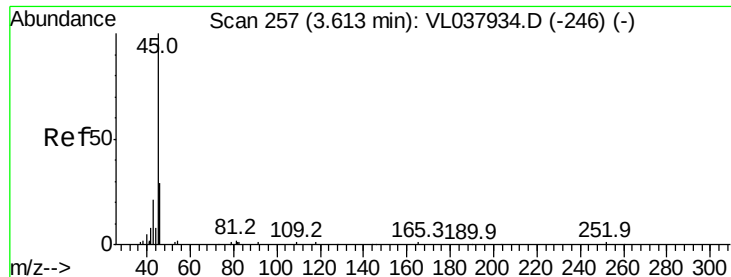
Tot Ion:101 Resp: 1894782
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.596 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL037961.D
 Acq: 2 Nov 2021 5:58

Tgt Ion:101 Resp: 1539068
 Ion Ratio Lower Upper
 101 100
 151 76.3 61.8 92.8





#13

Ethanol

Concen: 11.027 ppbv

RT: 3.60 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

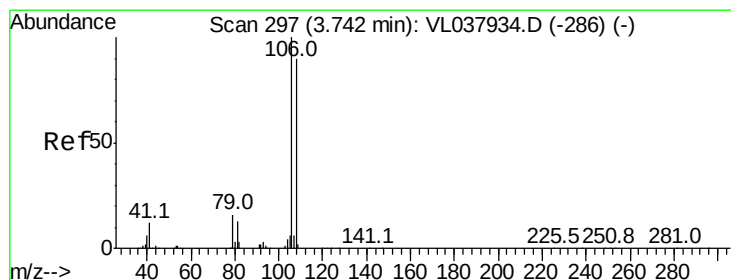
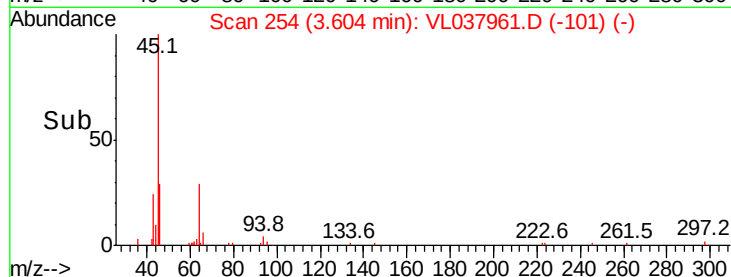
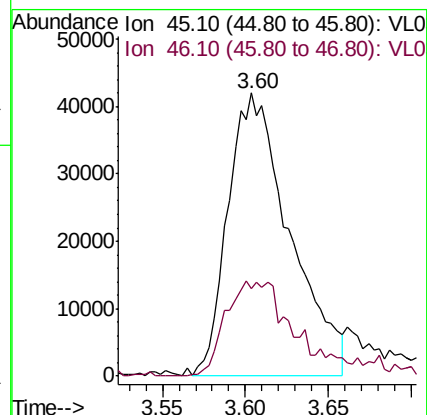
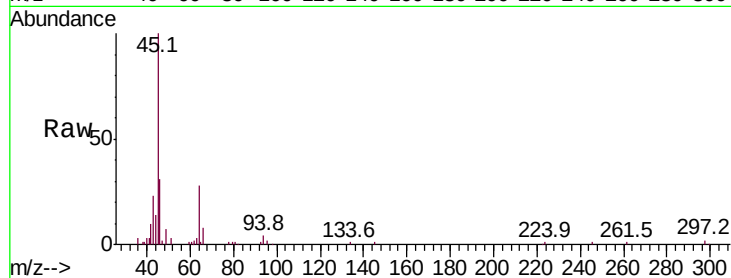
Acq: 2 Nov 2021 5:58

Tot Ion: 45 Resp: 108892

Ion Ratio Lower Upper

45 100

46 39.9 17.4 69.8



#14

Bromoethene

Concen: 9.589 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

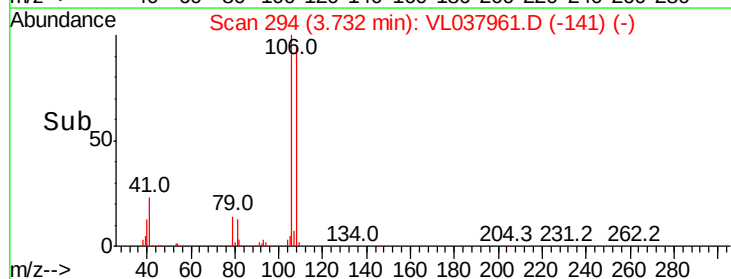
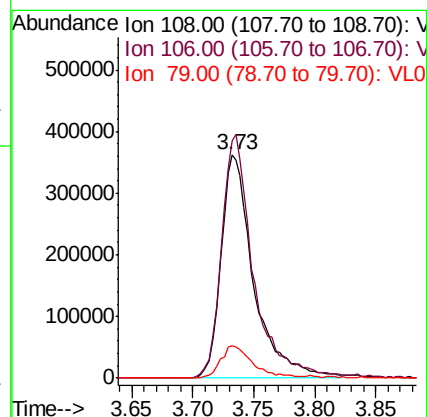
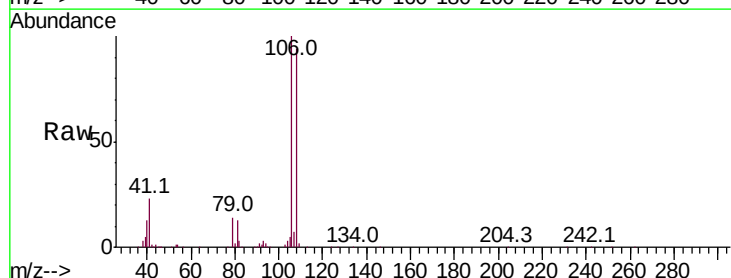
Tgt Ion: 108 Resp: 672806

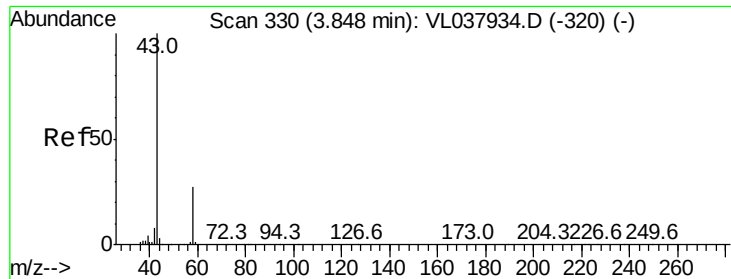
Ion Ratio Lower Upper

108 100

106 108.8 88.4 132.6

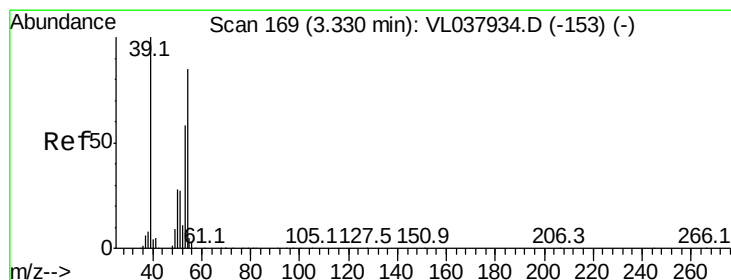
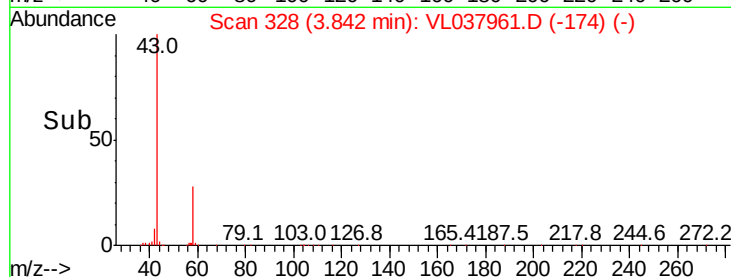
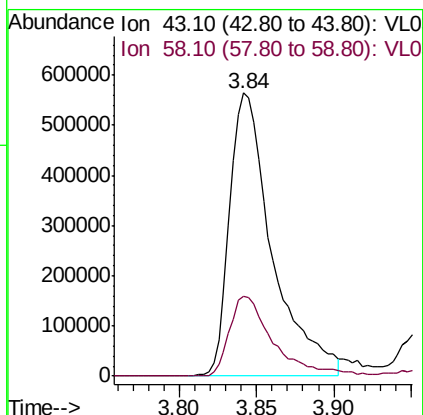
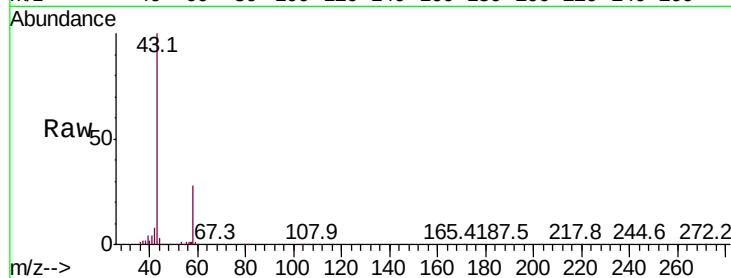
79 15.7 12.4 18.6





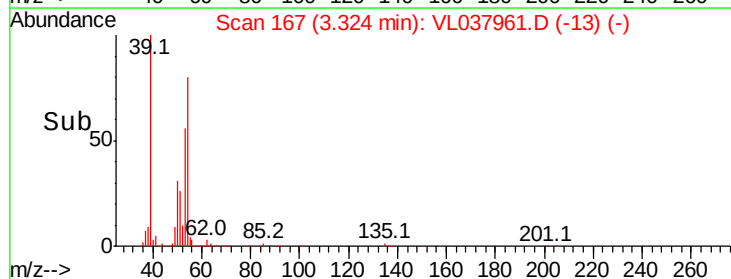
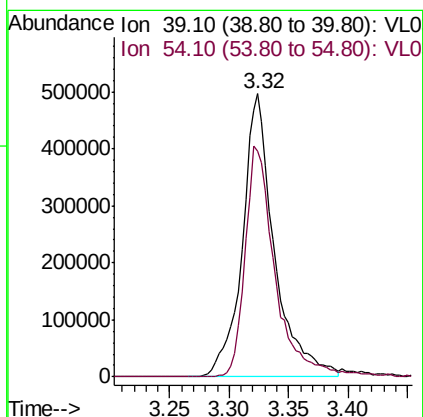
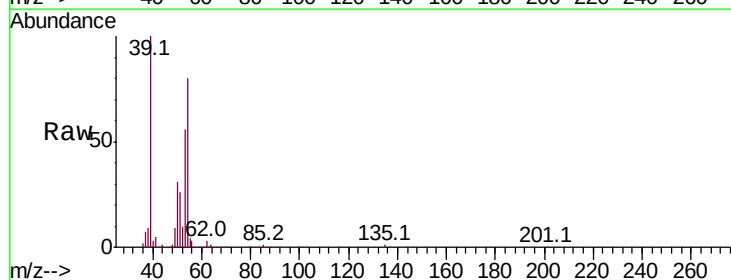
#15
Acetone
Concen: 8.898 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 5:58

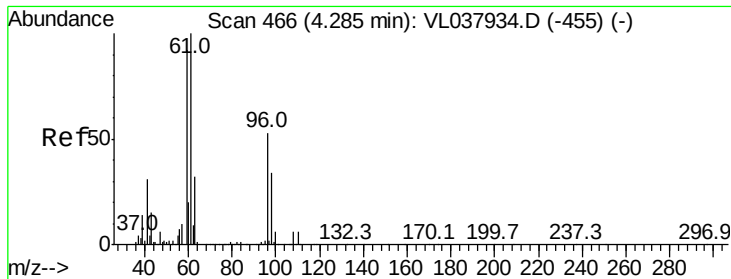
Tot Ion: 43 Resp: 1078352
Ion Ratio Lower Upper
43 100
58 29.1 23.3 34.9



#16
1,3-Butadiene
Concen: 9.692 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

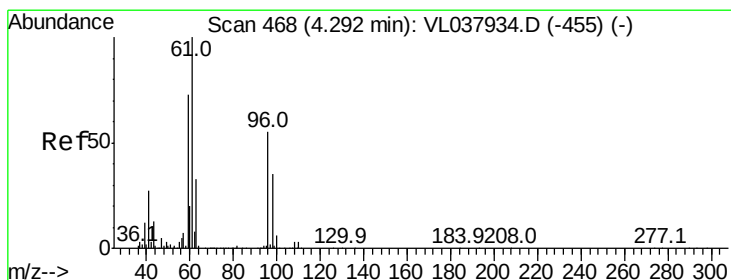
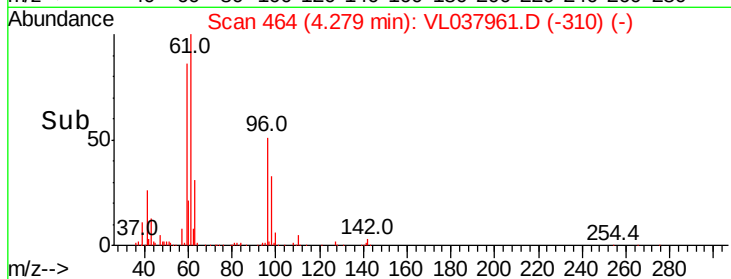
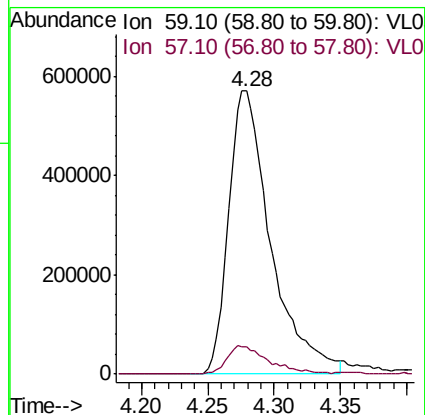
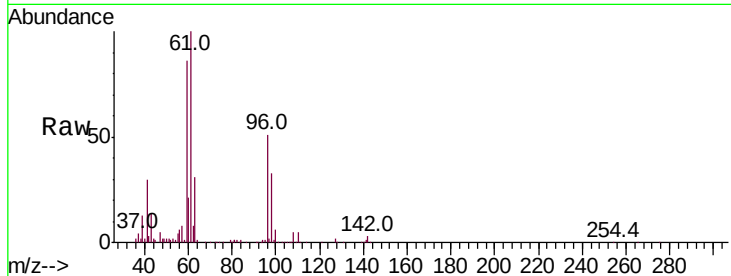
Tgt Ion: 39 Resp: 925471
Ion Ratio Lower Upper
39 100
54 77.8 62.6 93.8





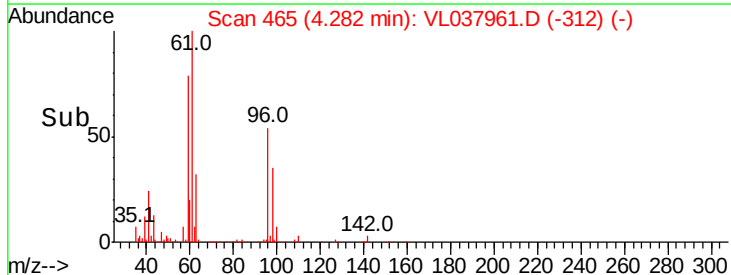
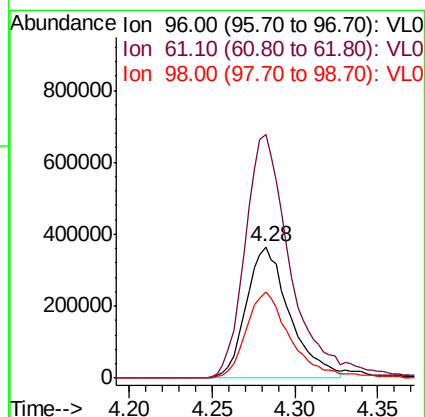
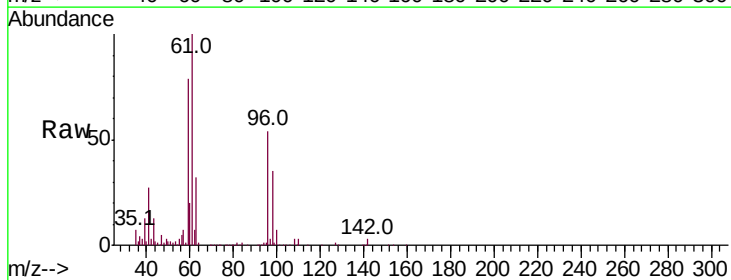
#17
 tert-Butyl alcohol
 Concen: 10.031 ppbv
 RT: 4.28
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:58

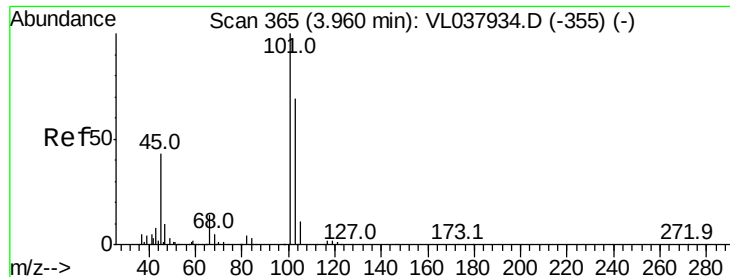
Tot Ion: 59 Resp: 1263921
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.9 13.3



#18
 1,1-Dichloroethene
 Concen: 8.998 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL037961.D
 Acq: 2 Nov 2021 5:58

Tgt Ion: 96 Resp: 664238
 Ion Ratio Lower Upper
 96 100
 61 185.8 144.3 216.5
 98 65.6 50.5 75.7





#19

Isopropyl Alcohol

Concen: 9.220 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

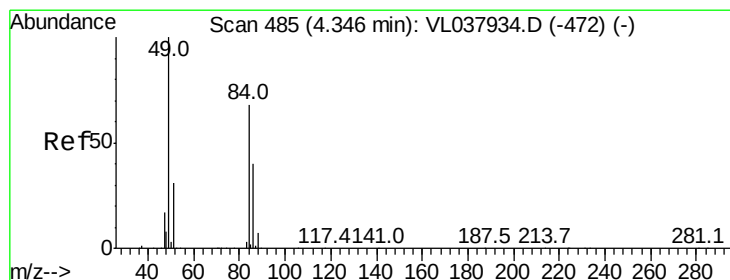
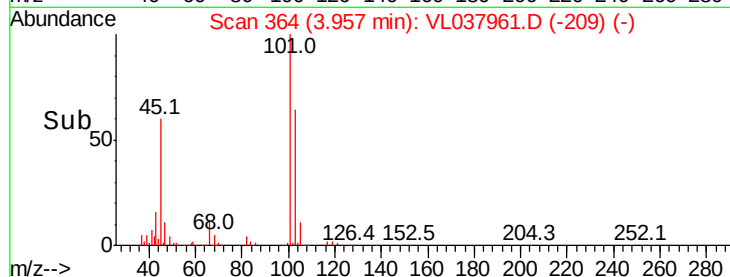
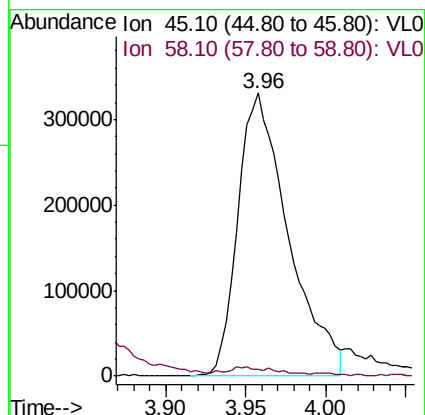
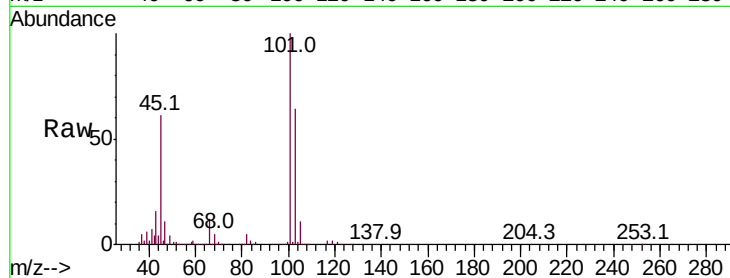
Acq: 2 Nov 2021 5:58

Tot Ion: 45 Resp: 714506

Ion Ratio Lower Upper

45 100

58 3.5 4.0 6.0#



#20

Methylene Chloride

Concen: 8.633 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion: 84 Resp: 574346

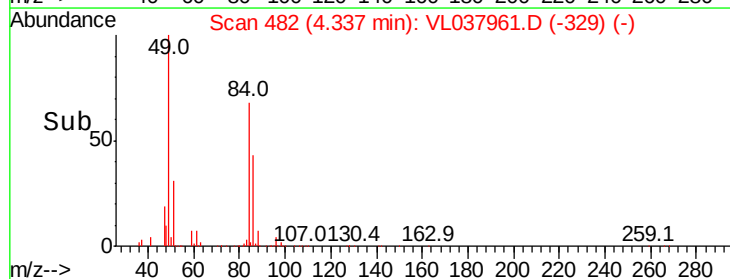
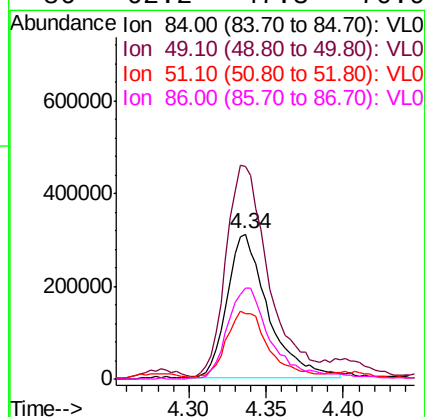
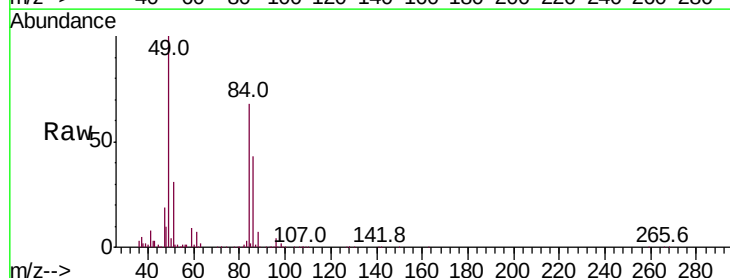
Ion Ratio Lower Upper

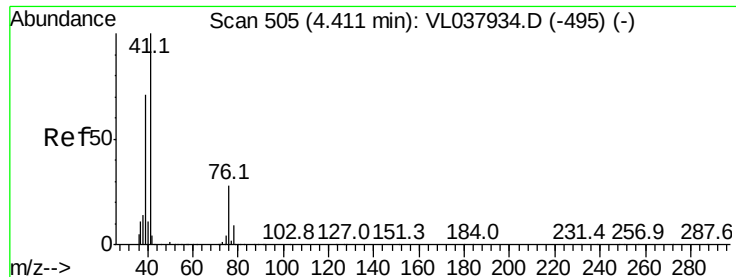
84 100

49 145.3 117.5 176.3

51 44.0 35.9 53.9

86 62.2 47.3 70.9





#21

Allvl Chloride

Concen: 9.852 ppbv

RT: 4.40

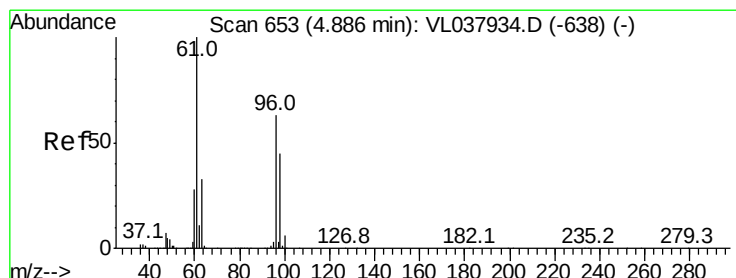
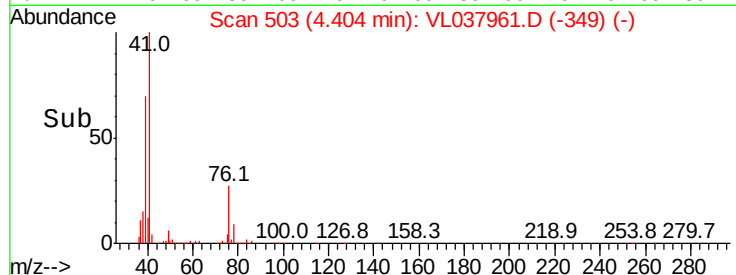
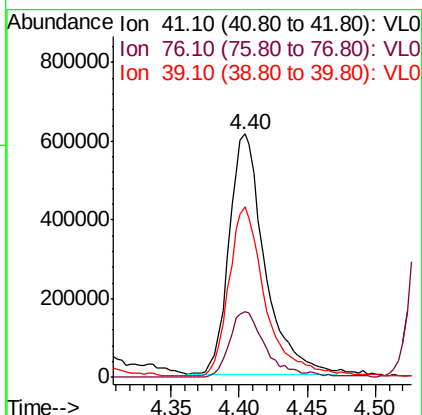
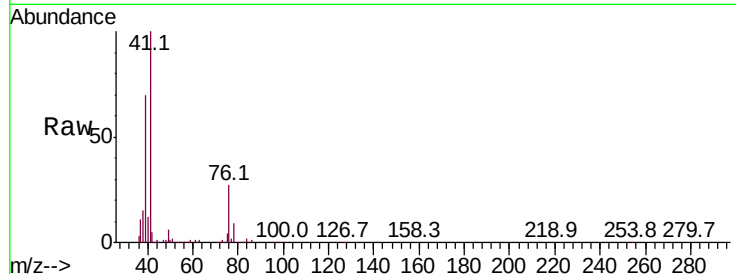
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Nov 2021 5:58

Tot Ion: 41 Resp: 1101586

Ion	Ratio	Lower	Upper
41	100		
76	28.8	23.6	35.4
39	73.5	59.7	89.5



#22

trans-1,2-Dichloroethene

Concen: 9.605 ppbv

RT: 4.87 min Scan# 649

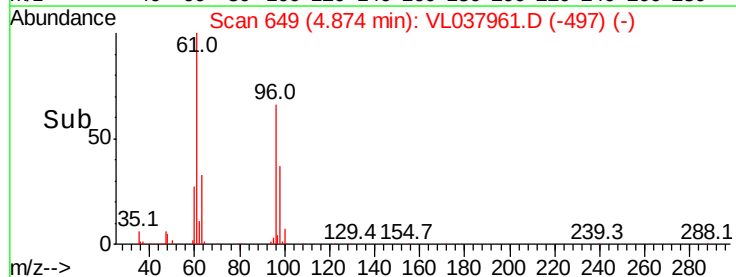
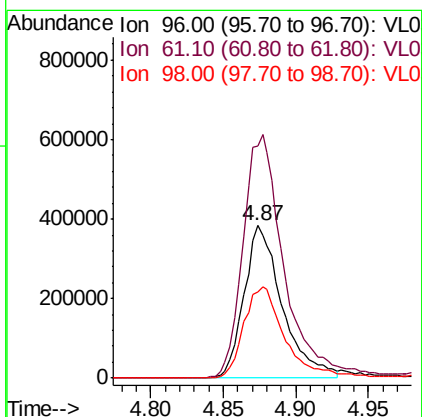
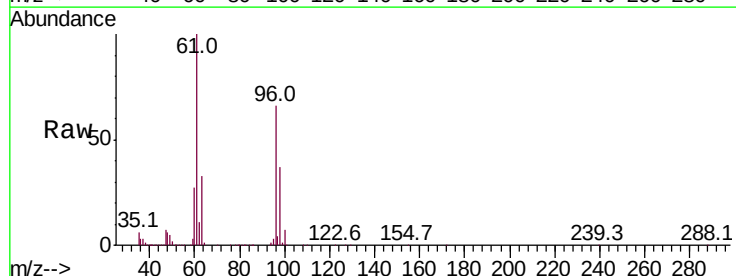
Delta R.T. -0.01 min

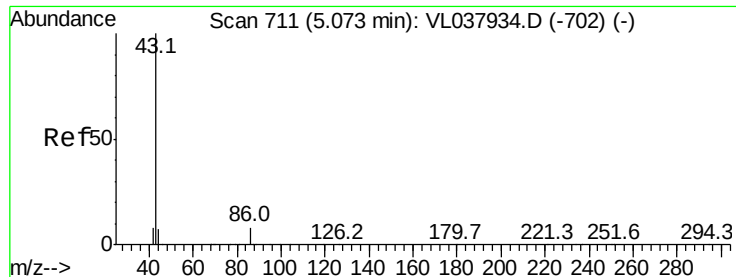
Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion: 96 Resp: 704498

Ion	Ratio	Lower	Upper
96	100		
61	152.3	127.8	191.6
98	56.3	56.9	85.3#





#23

Vinyl Acetate

Concen: 9.423 ppbv

RT: 5.06 Instrument: MSVOA_1

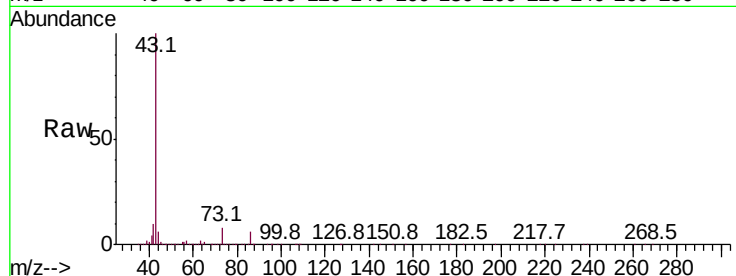
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 2 Nov 2021 5:58

Tot Ion: 43 Resp: 1719382

Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.5	8.3
42	10.0	7.4	11.2
44	5.2	4.7	7.1

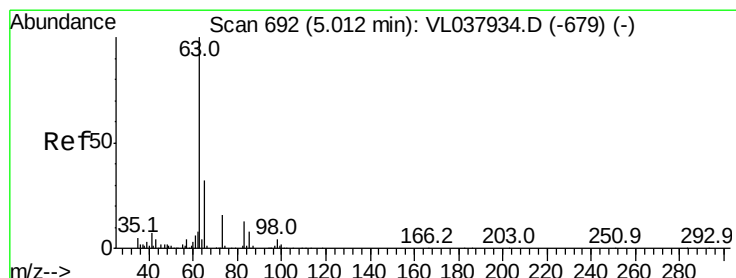
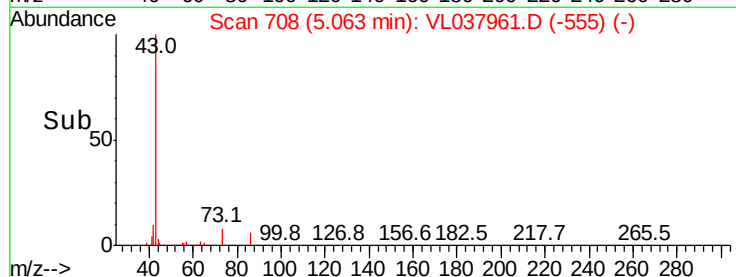
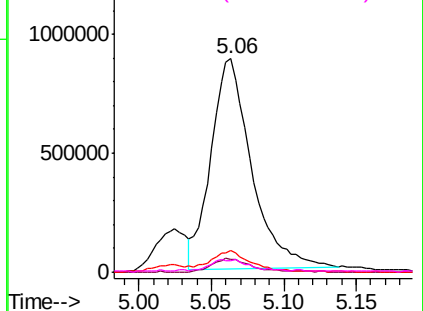


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.425 ppbv

RT: 5.00 min Scan# 688

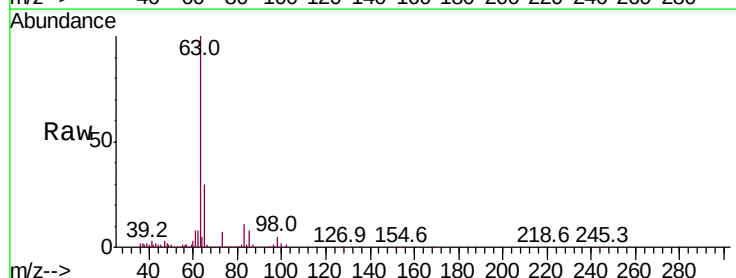
Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion: 63 Resp: 1420796

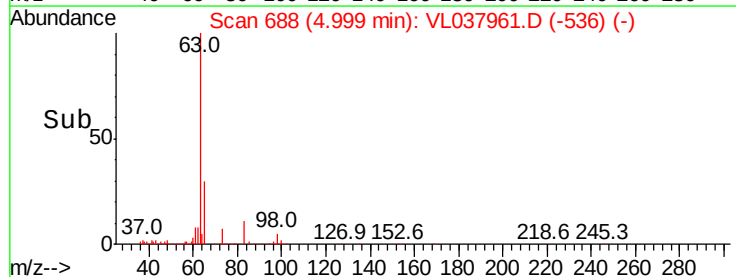
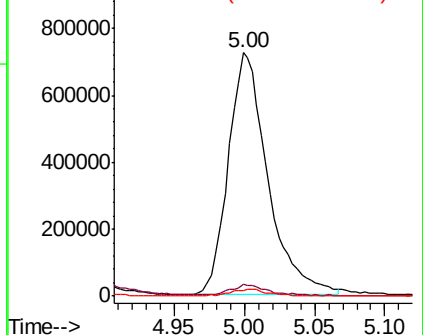
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.9
100	2.1	1.2	3.6

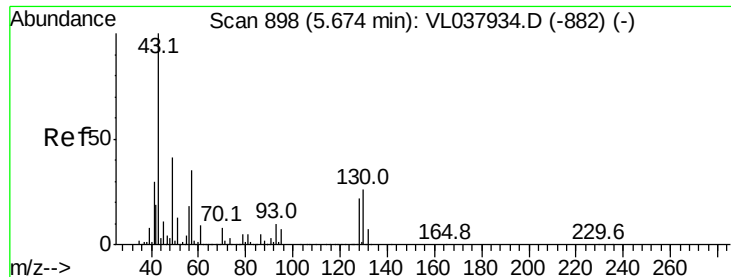


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

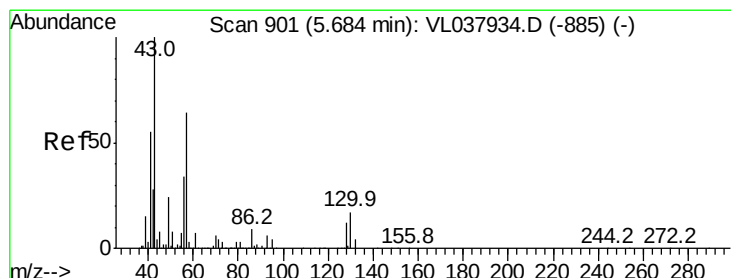
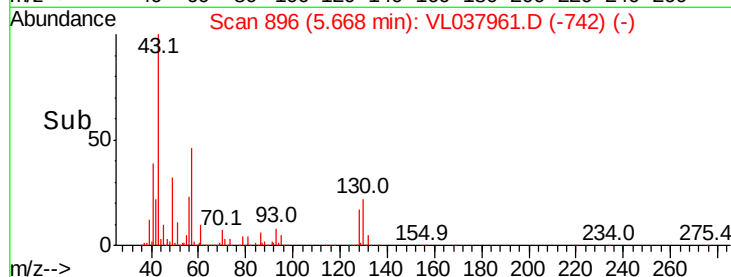
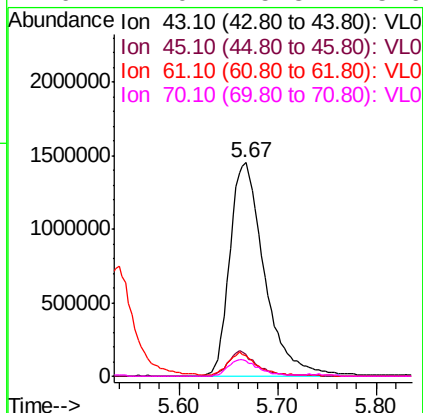
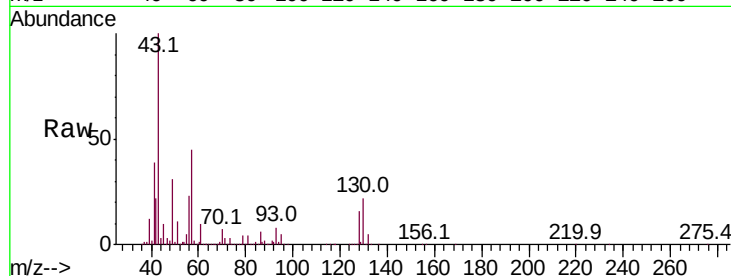




#25
Ethyl Acetate
Concen: 9.862 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 2 Nov 2021 5:58

Tot Ion: 43 Resp: 3549870

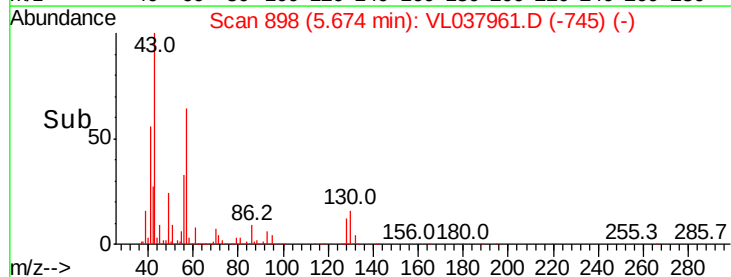
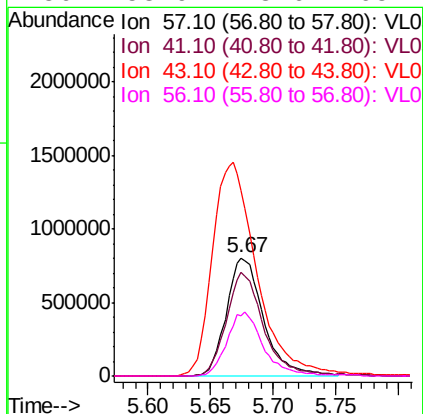
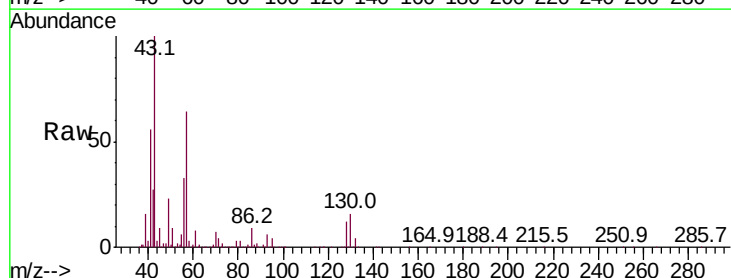
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.9	8.1	12.1
70	7.0	5.8	8.6

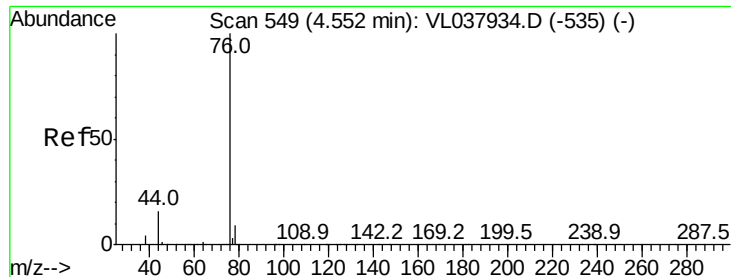


#26
Hexane
Concen: 9.678 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

Tgt Ion: 57 Resp: 1650463

Ion	Ratio	Lower	Upper
57	100		
41	89.3	71.0	106.6
43	218.0	173.0	259.6
56	53.9	43.6	65.4





#27

Carbon Disulfide

Concen: 10.164 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58 VSTDCCC010EC

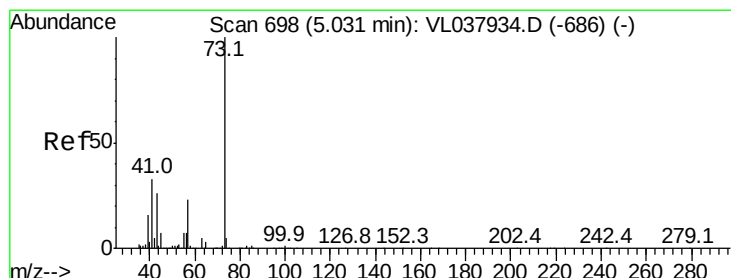
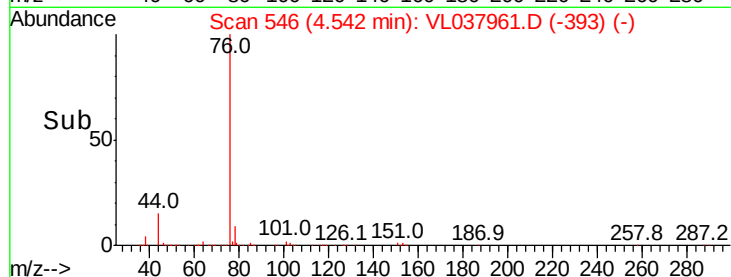
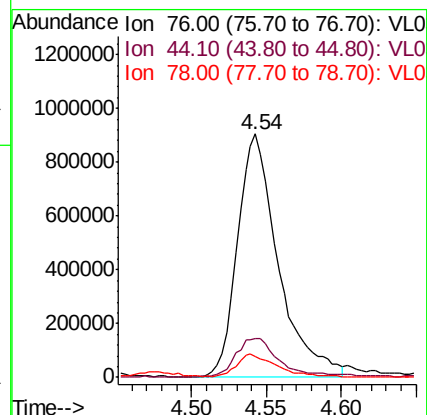
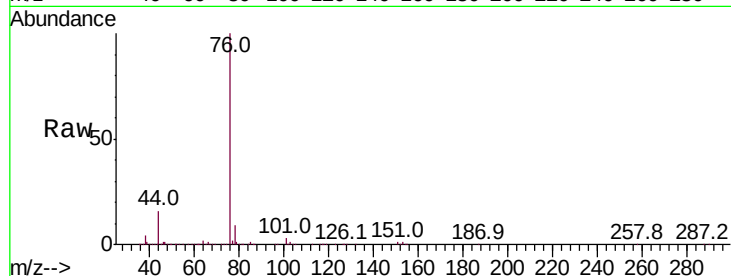
Tot Ion: 76 Resp: 1711240

Ion Ratio Lower Upper

76 100

44 16.7 13.2 19.8

78 9.9 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.818 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL037961.D

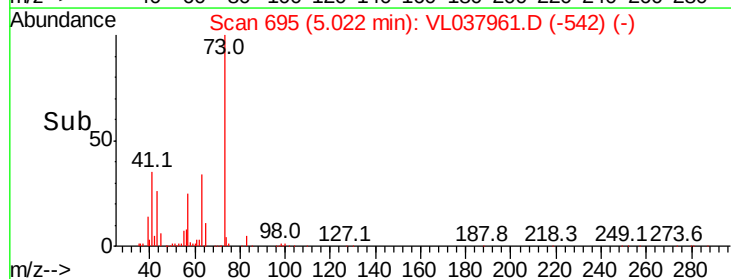
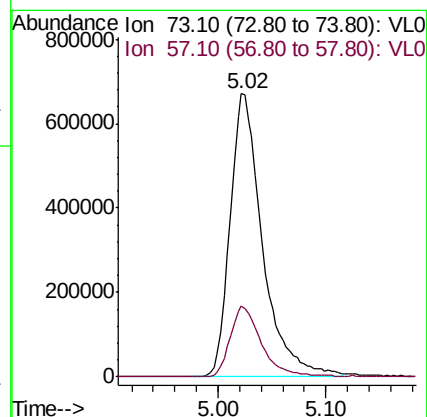
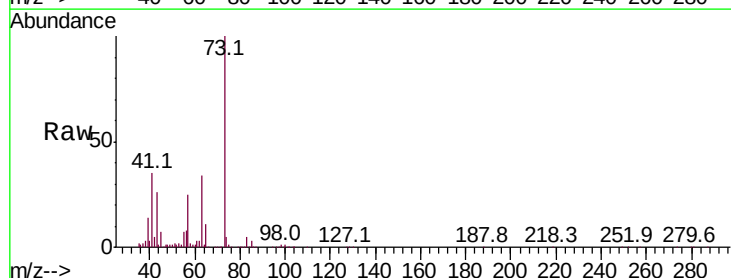
Acq: 2 Nov 2021 5:58

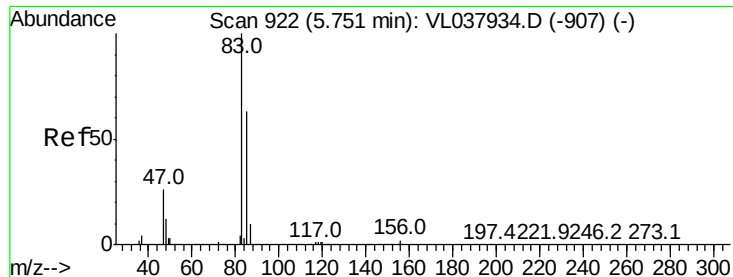
Tgt Ion: 73 Resp: 1407628

Ion Ratio Lower Upper

73 100

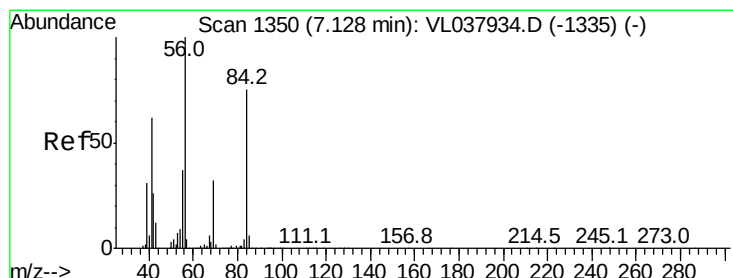
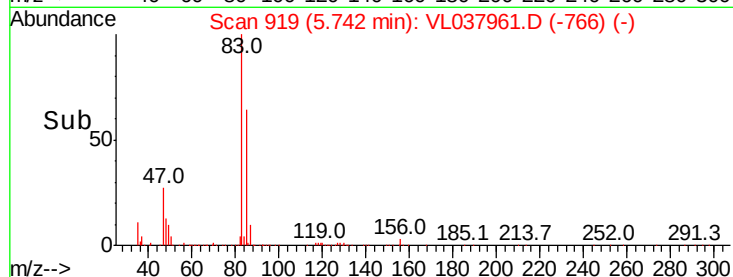
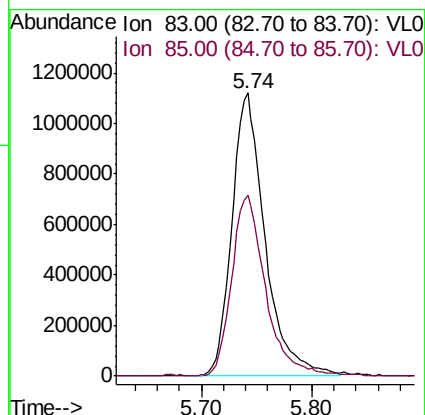
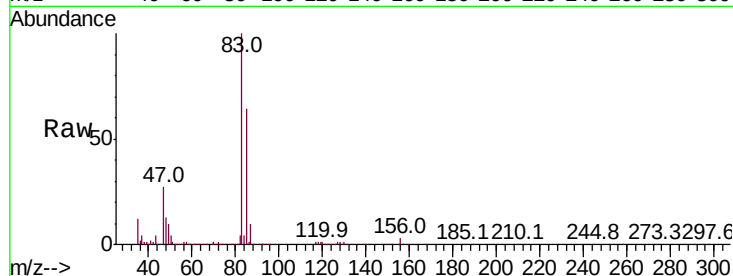
57 24.8 20.1 30.1





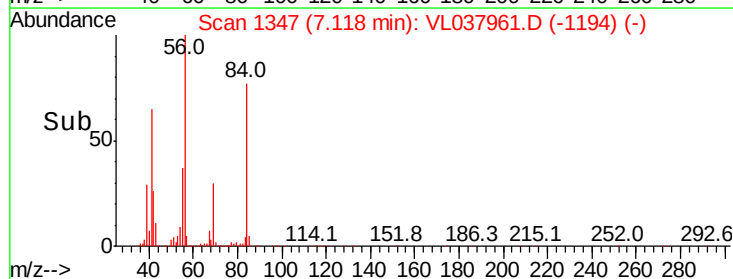
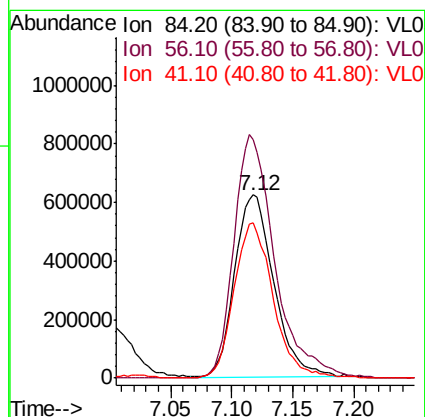
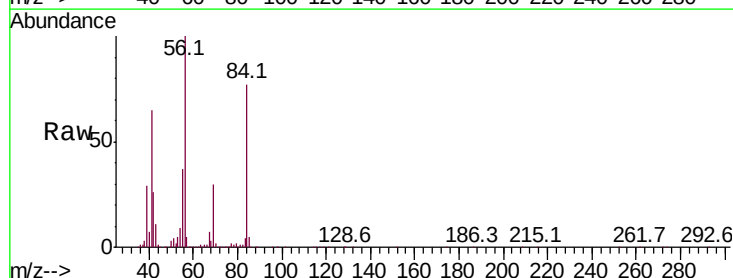
#29
Chloroform
Concen: 9.192 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 5:58

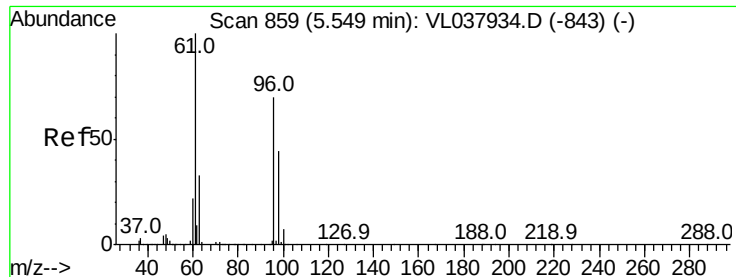
Tot Ion: 83 Resp: 2337729
Ion Ratio Lower Upper
83 100
85 63.7 50.6 76.0



#30
Cyclohexane
Concen: 9.525 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

Tgt Ion: 84 Resp: 1388535
Ion Ratio Lower Upper
84 100
56 140.1 114.0 171.0
41 85.1 68.3 102.5

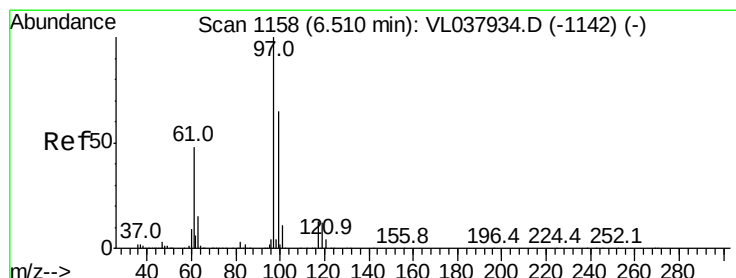
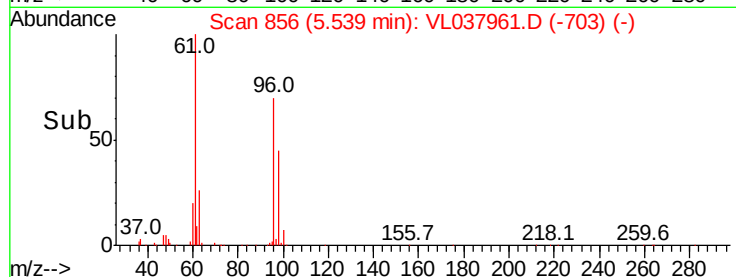
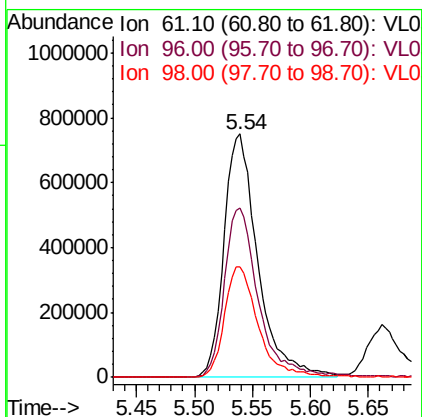
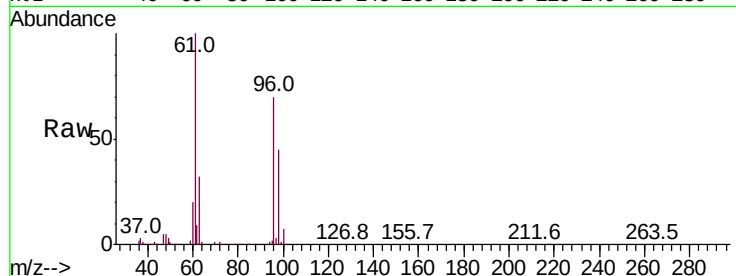




#31
 cis-1,2-Dichloroethene
 Concen: 9.793 ppbv
 RT: 5.54
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:58

Tot Ion: 61 Resp: 1523738

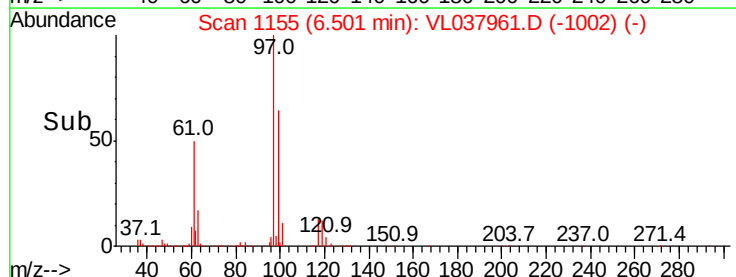
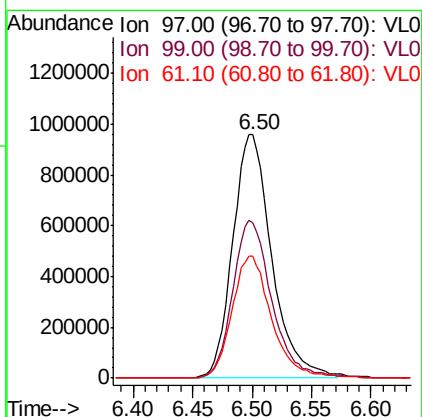
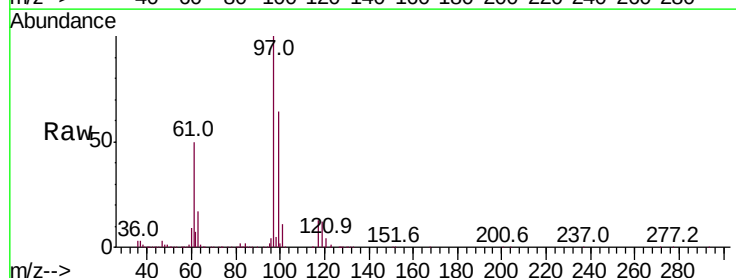
Ion	Ratio	Lower	Upper
61	100		
96	69.4	55.6	83.4
98	45.3	34.9	52.3

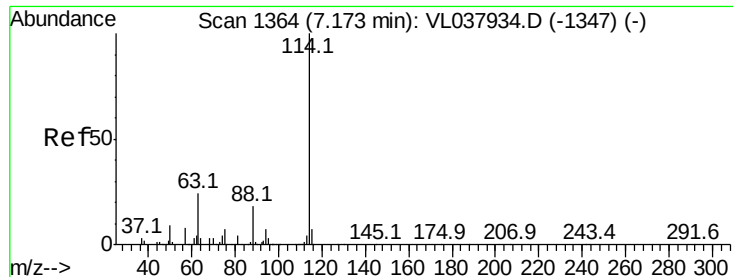


#32
 1,1,1-Trichloroethane
 Concen: 8.708 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL037961.D
 Acq: 2 Nov 2021 5:58

Tgt Ion: 97 Resp: 2176720

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.4
61	51.2	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16

Instrument: MSVOA_1

Delta R.T.

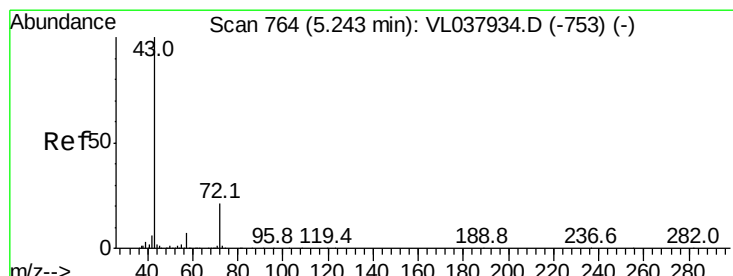
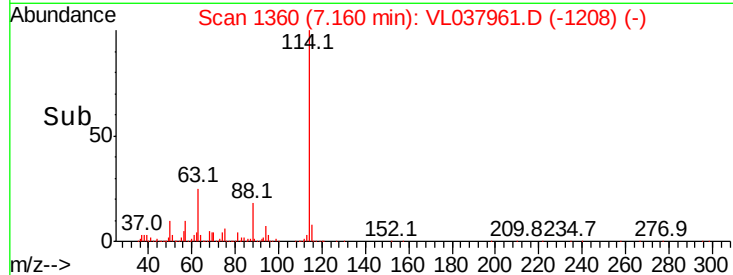
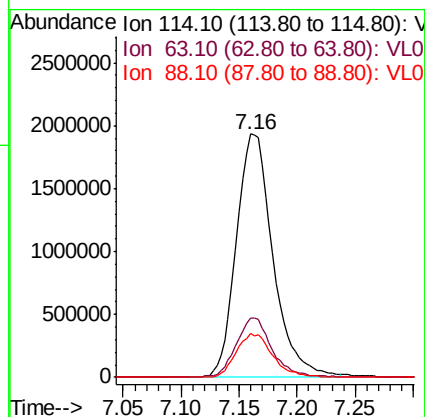
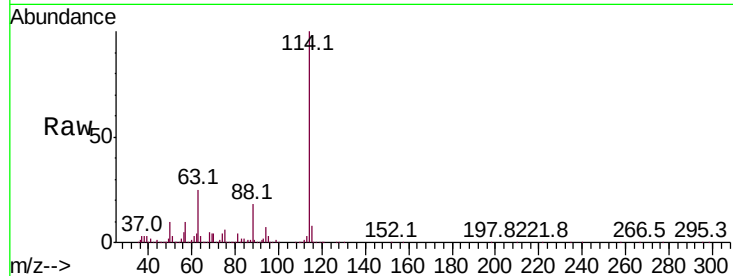
ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 2 Nov 2021 5:58

Tot Ion:114 Resp: 4249714

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 9.563 ppbv

RT: 5.23 min Scan# 761

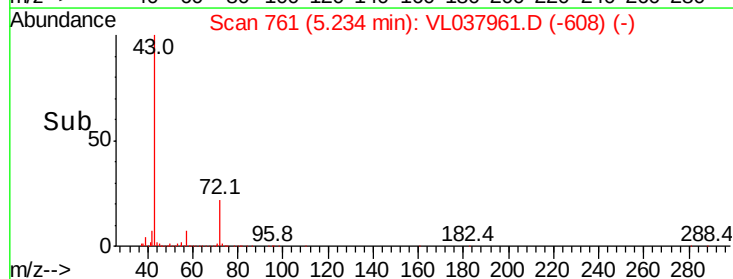
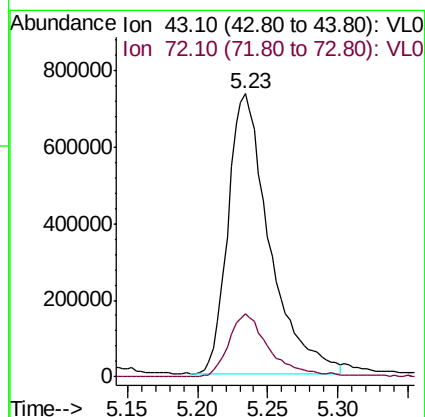
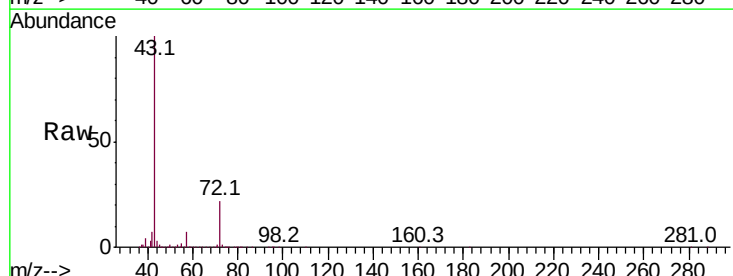
Delta R.T. -0.01 min

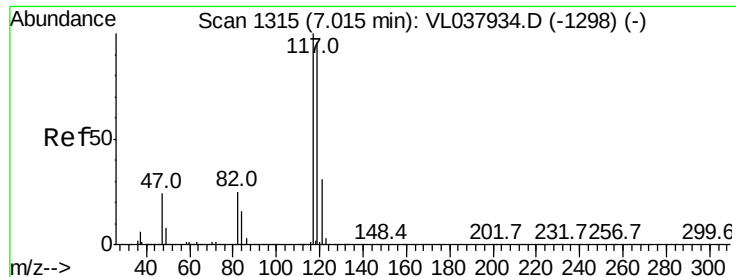
Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion: 43 Resp: 1505892

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.3	27.5





#35

Carbon Tetrachloride

Concen: 8.880 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58 VSTDCCC010EC

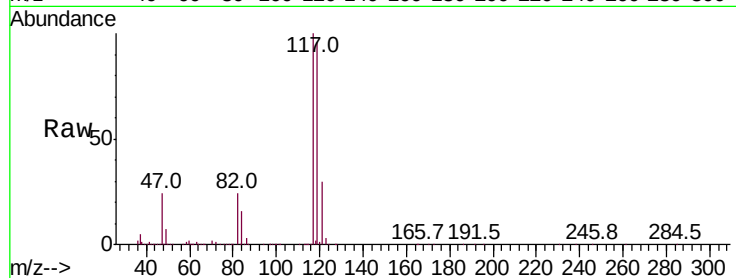
Tot Ion:117 Resp: 2281428

Ion Ratio Lower Upper

117 100

119 96.1 76.6 114.8

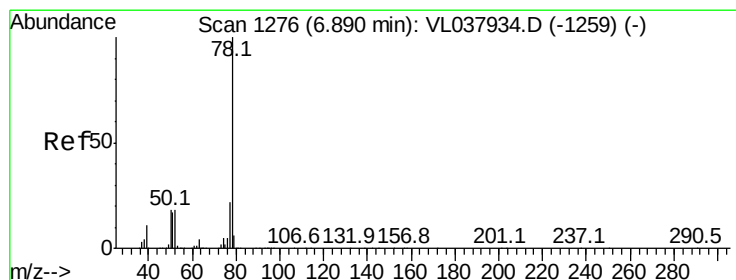
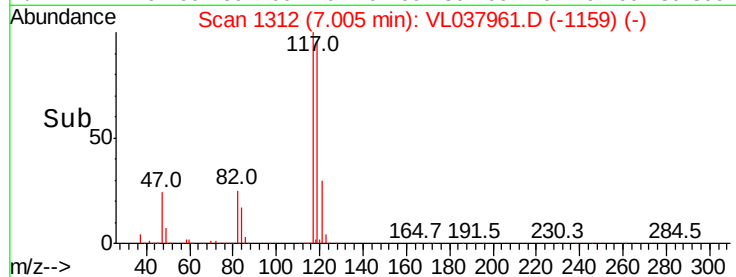
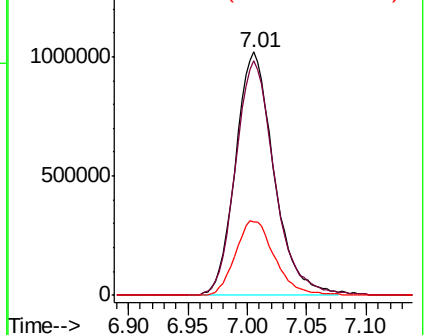
121 30.3 25.1 37.7



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: 9.888 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

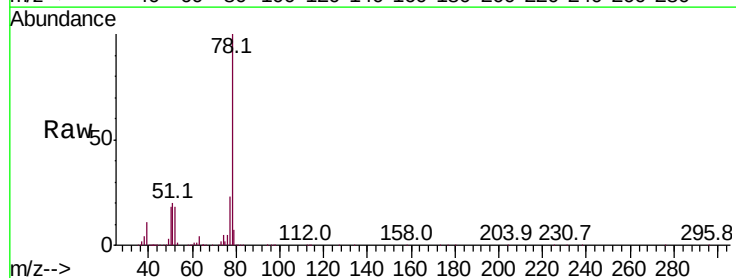
Tgt Ion: 78 Resp: 3422096

Ion Ratio Lower Upper

78 100

77 22.5 17.9 26.9

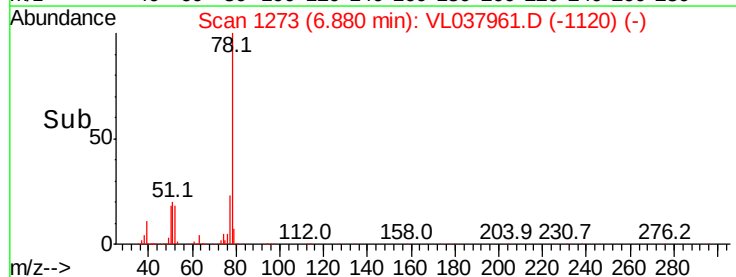
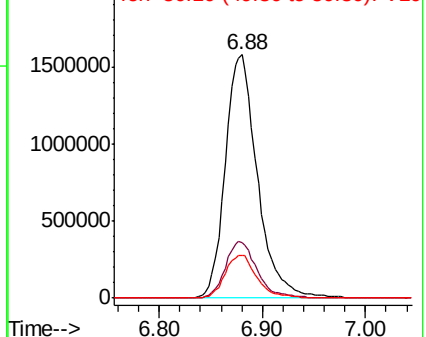
50 17.5 14.4 21.6

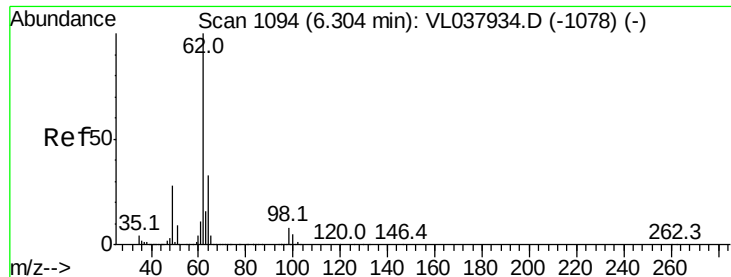


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.748 ppbv

RT: 6.29 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

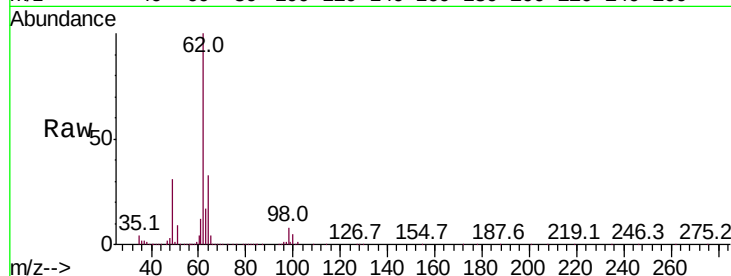
Acq: 2 Nov 2021 5:58

Tot Ion: 62 Resp: 1603883

Ion Ratio Lower Upper

62 100

98 7.6 6.5 9.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

600000

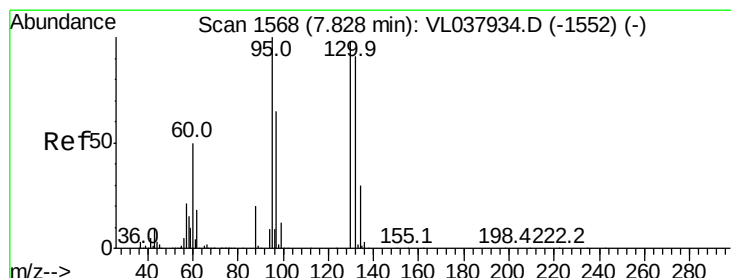
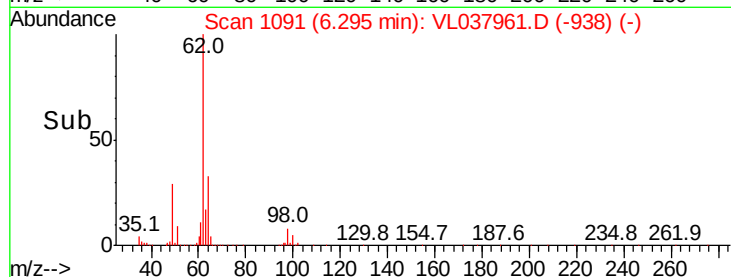
400000

200000

0

Time-->

6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 9.236 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion:130 Resp: 1326617

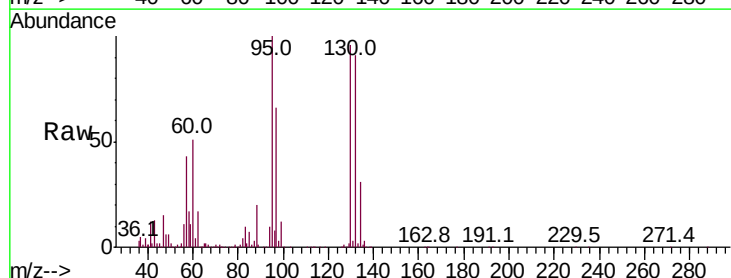
Ion Ratio Lower Upper

130 100

95 105.0 81.8 122.8

132 95.8 74.2 111.2

97 69.0 53.4 80.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

600000

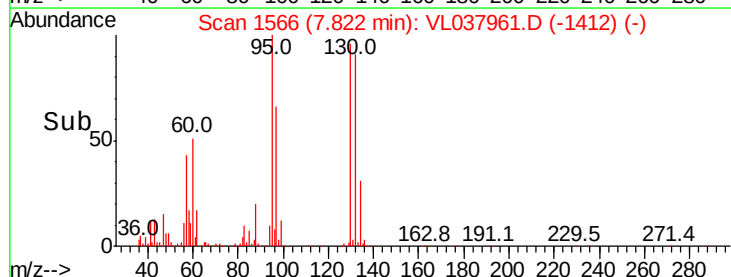
400000

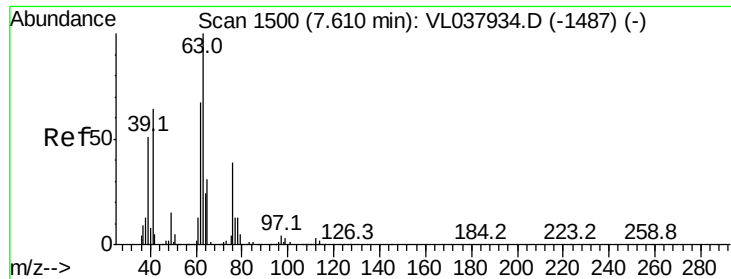
200000

0

Time-->

7.75 7.80 7.85 7.90





#39

1,2-Dichloropropane

Concen: 9.938 ppbv

RT: 7.60 Instrument: MSVOA_1

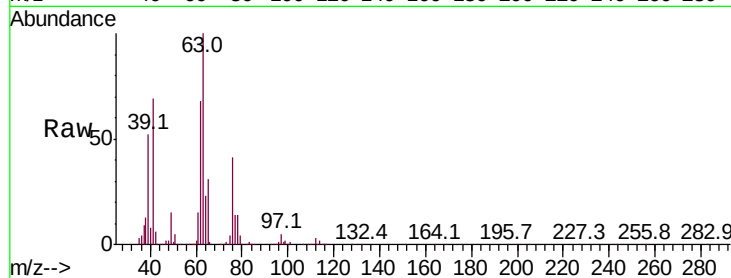
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 2 Nov 2021 5:58

Tot Ion: 63 Resp: 1294171

Ion	Ratio	Lower	Upper
63	100		
41	68.8	51.6	77.4
62	67.6	53.5	80.3

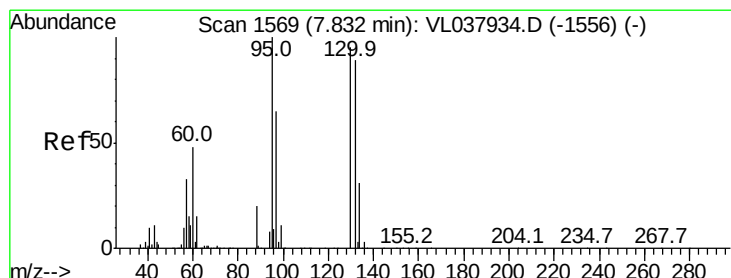
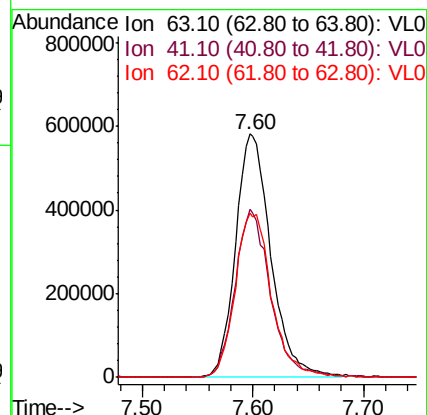
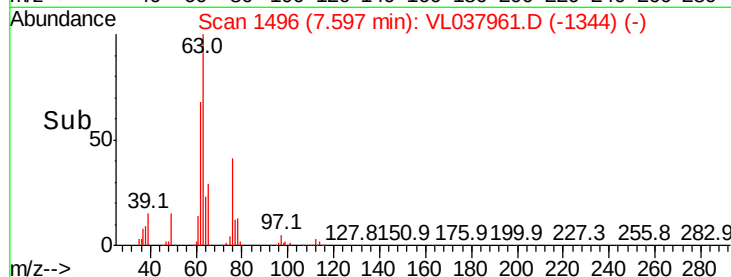


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.254 ppbv

RT: 7.82 min Scan# 1566

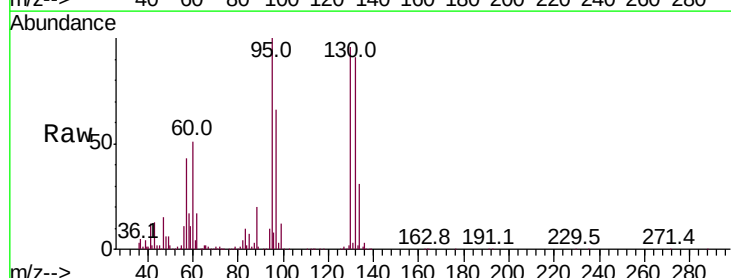
Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion: 88 Resp: 317360

Ion	Ratio	Lower	Upper
88	100		
58	163.2	129.1	193.7
43	400.8	313.2	469.8
57	1821.5	1408.6	2112.8



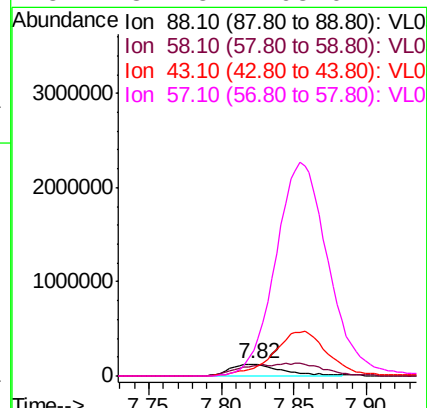
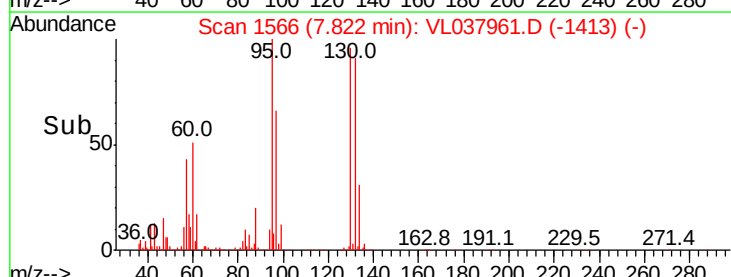
Abundance

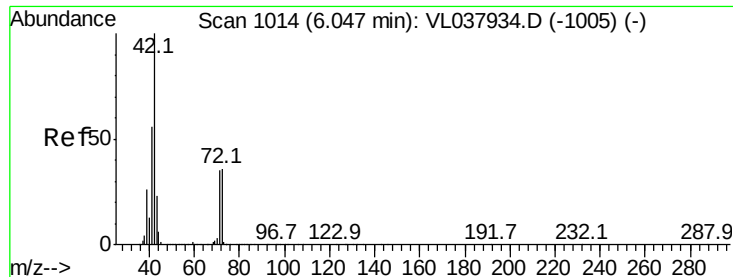
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

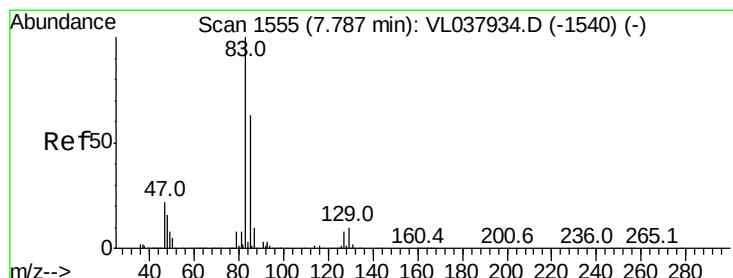
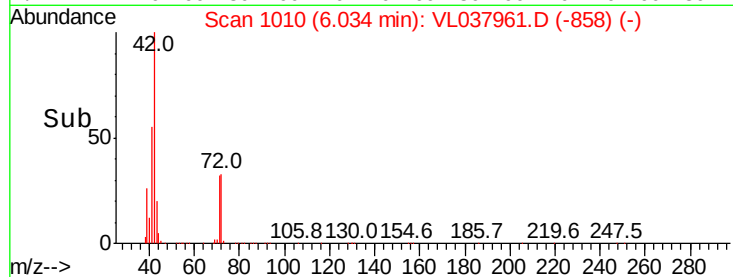
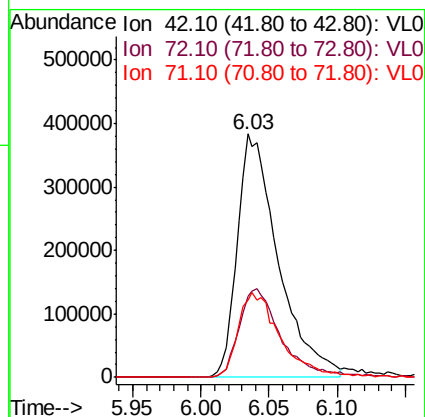
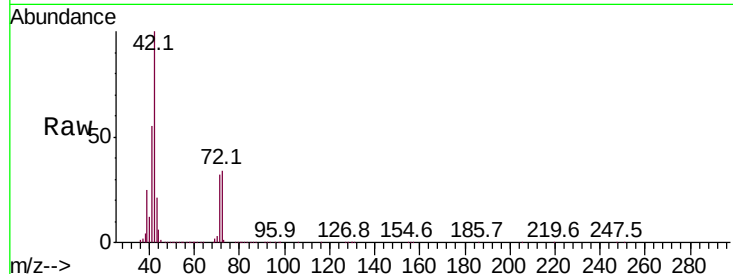
Ion 57.10 (56.80 to 57.80): VL0





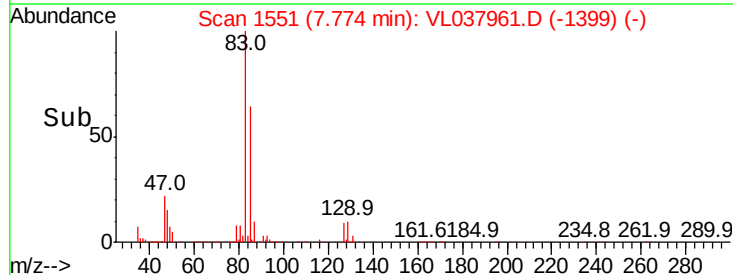
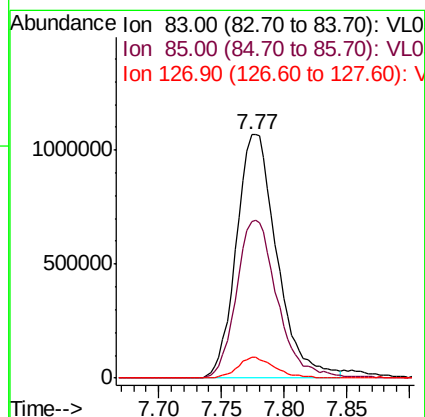
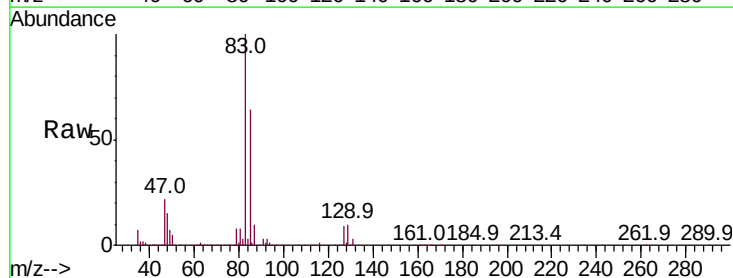
#41
Tetrahydrofuran
Concen: 10.378 ppbv
RT: 6.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Nov 2021 5:58

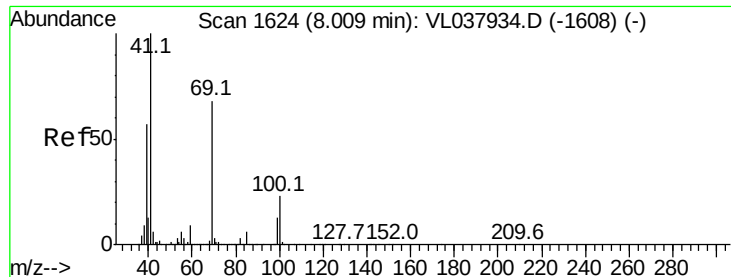
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.5	47.3
71	36.4	30.5	45.7



#42
Bromodichloromethane
Concen: 9.682 ppbv
RT: 7.77 min Scan# 1551
Delta R.T.: -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.1	75.1
127	8.7	6.1	9.1





#43

Methyl Methacrylate

Concen: 10.683 ppbv

RT: 8.00

Instrument: MSVOA_1

Delta R.T.:

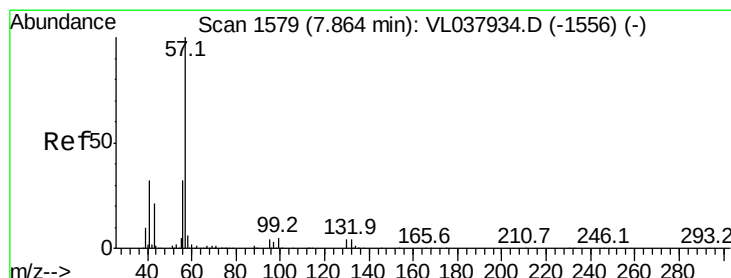
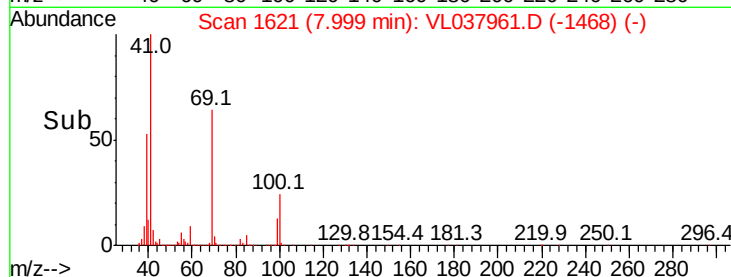
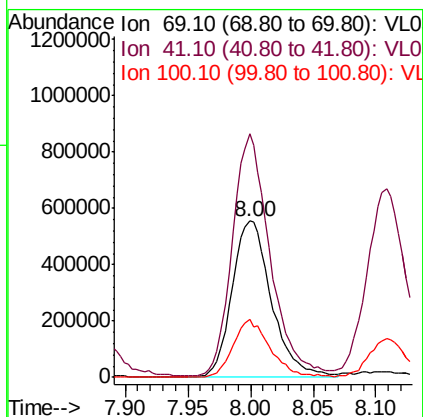
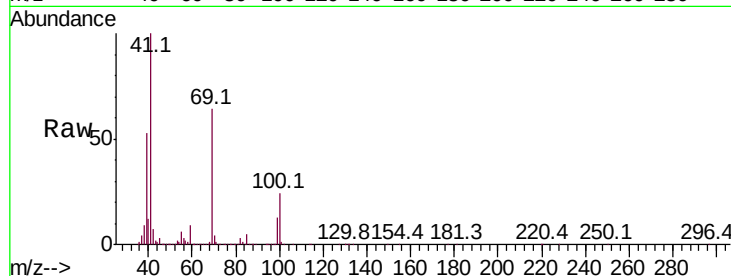
Client Sample Id:

Lab File: VSTDCCC010EC

Acq: 2 Nov 2021 5:58

Tot Ion: 69 Resp: 1213540

Ion	Ratio	Lower	Upper
69	100		
41	149.3	117.4	176.2
100	34.6	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.777 ppbv

RT: 7.85 min Scan# 1576

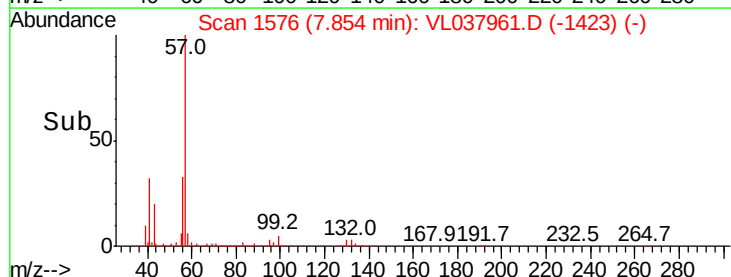
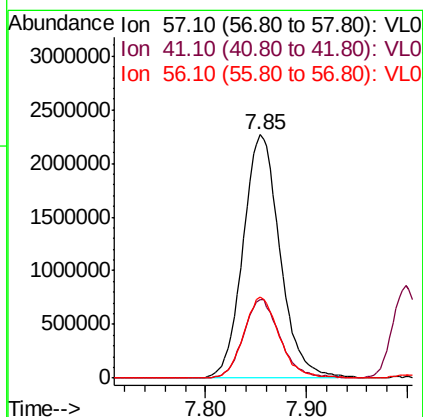
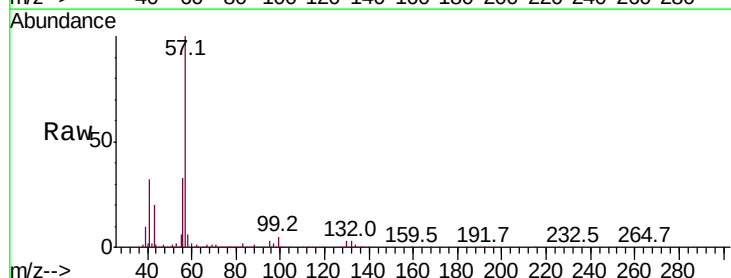
Delta R.T. -0.01 min

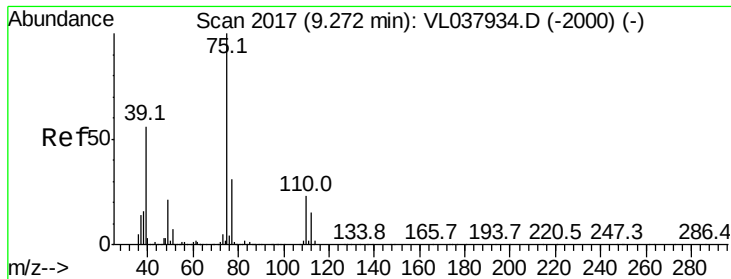
Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion: 57 Resp: 5755186

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.8	38.8
56	32.2	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 11.390 ppbv

RT: 9.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

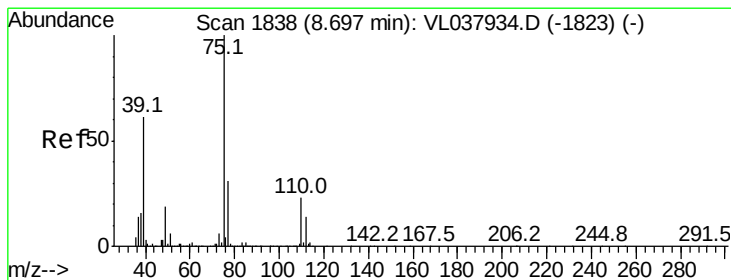
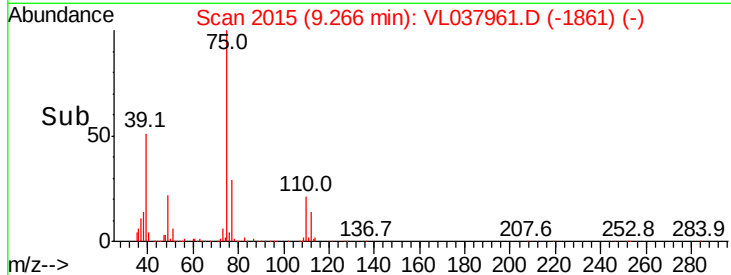
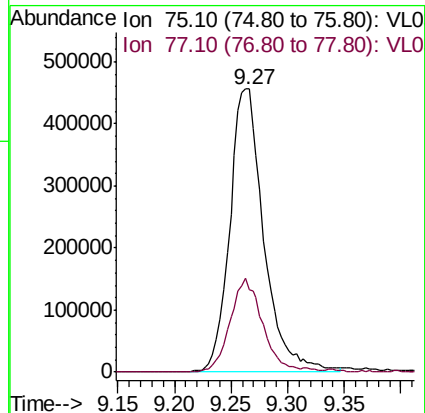
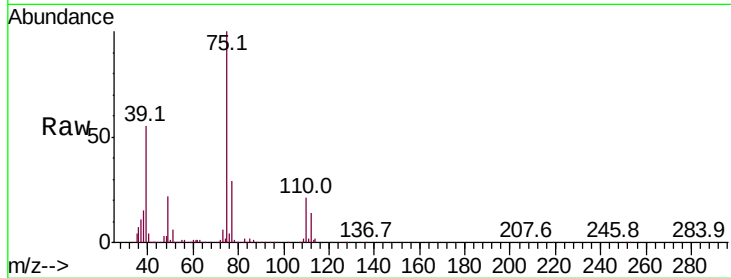
Acq: 2 Nov 2021 5:58

Tot Ion: 75 Resp: 950687

Ion Ratio Lower Upper

75 100

77 29.1 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 11.157 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

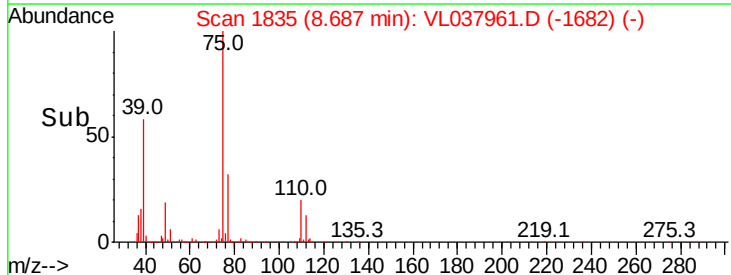
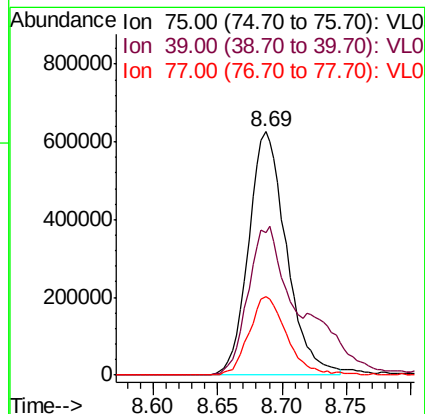
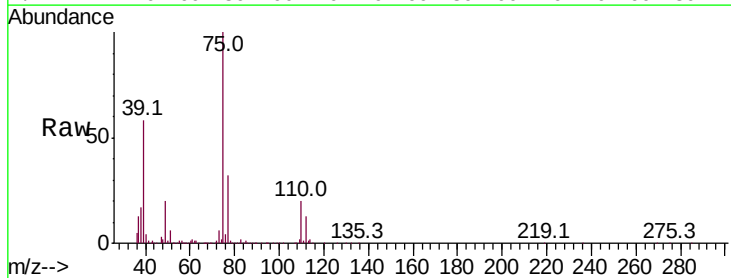
Tgt Ion: 75 Resp: 1280386

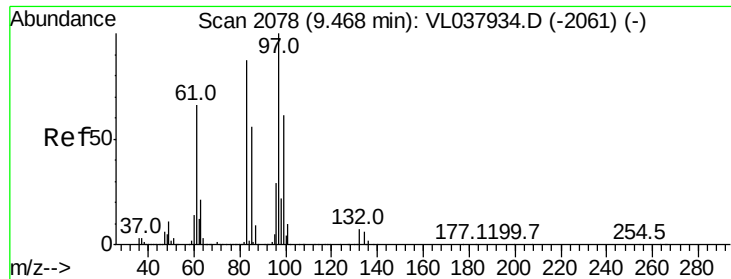
Ion Ratio Lower Upper

75 100

39 58.2 48.8 73.2

77 32.5 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 9.153 ppbv

RT: 9.46 Instrument:

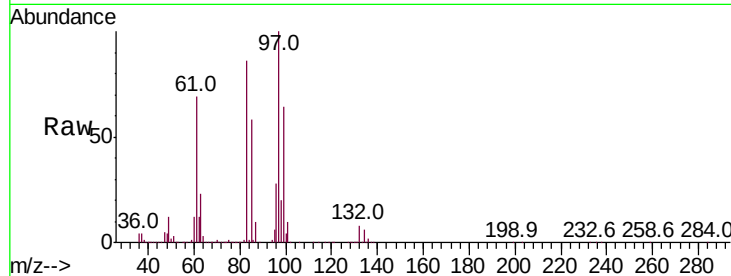
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58 VSTDCCC010EC

Tot Ion: 97 Resp: 1339155

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.4	104.2
85	57.6	45.0	67.6
99	64.0	48.7	73.1

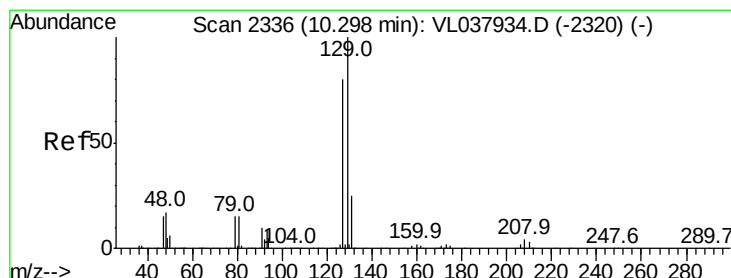
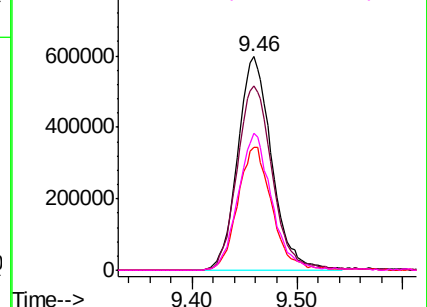
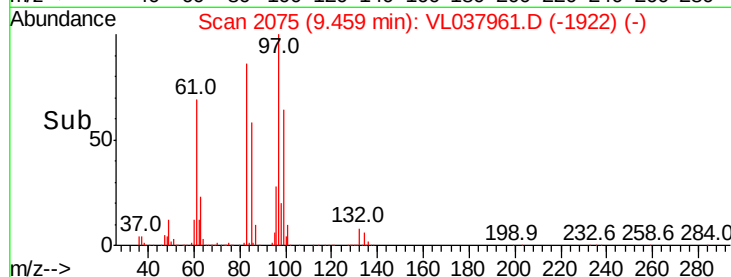


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.942 ppbv

RT: 10.29 min Scan# 2333

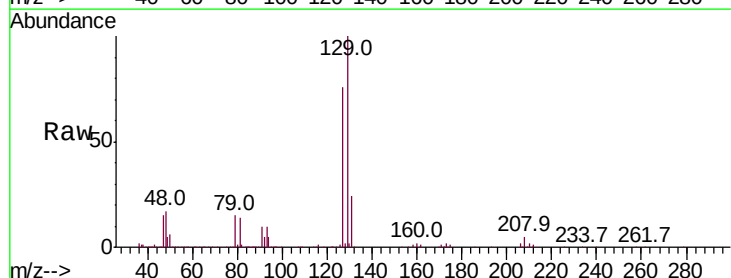
Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

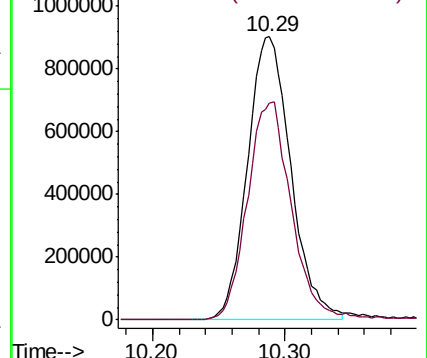
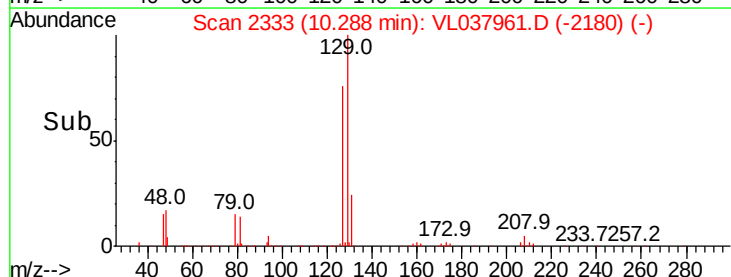
Tgt Ion: 129 Resp: 2059522

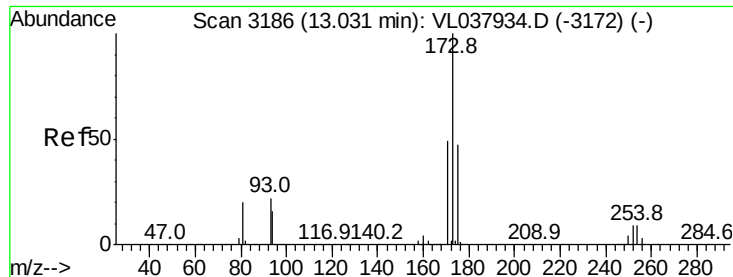
Ion	Ratio	Lower	Upper
129	100		
127	79.3	40.3	120.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.472 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58

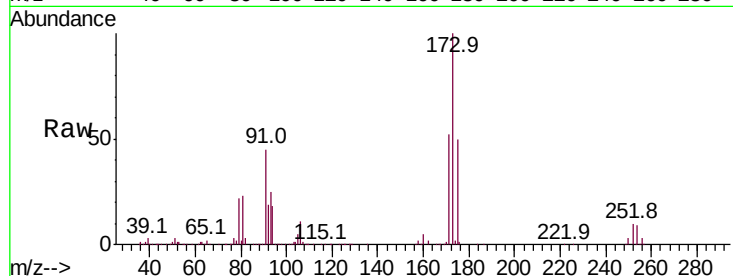
Tot Ion:173 Resp: 1551025

Ion Ratio Lower Upper

173 100

175 52.2 39.5 59.3

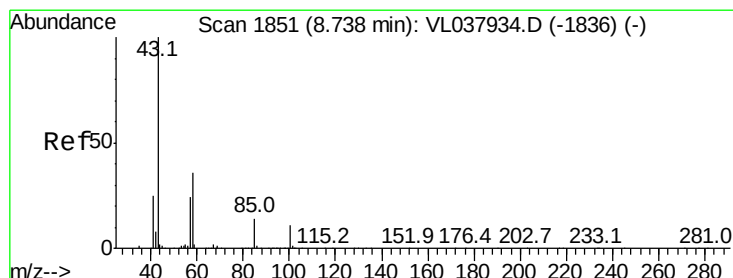
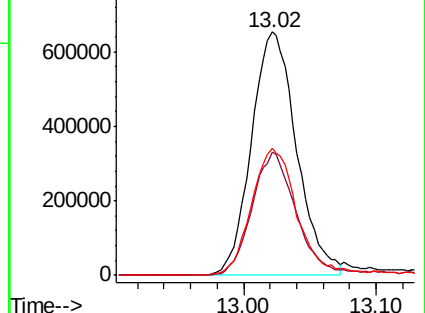
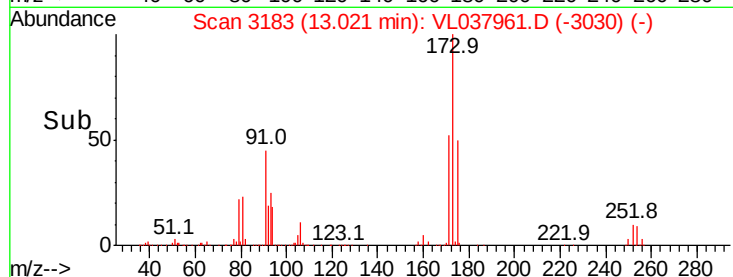
171 54.6 43.6 65.4



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: 10.597 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL037961.D

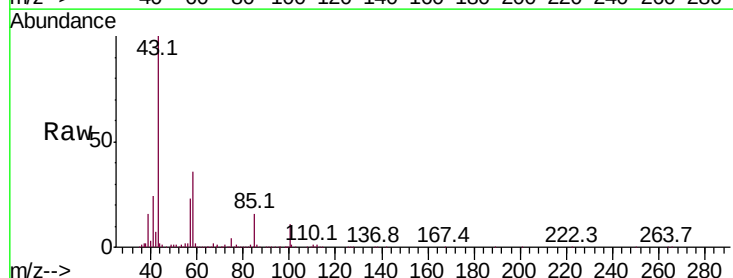
Acq: 2 Nov 2021 5:58

Tgt Ion: 43 Resp: 2192569

Ion Ratio Lower Upper

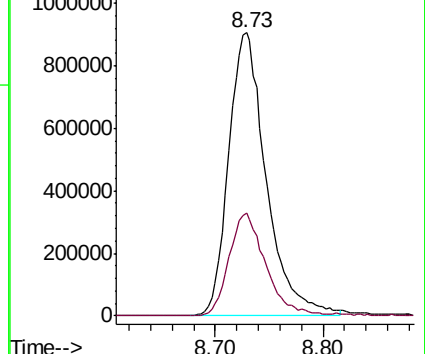
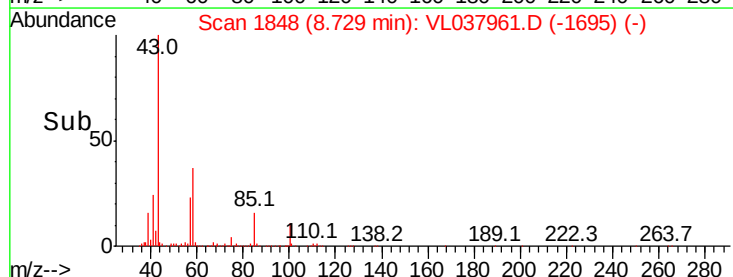
43 100

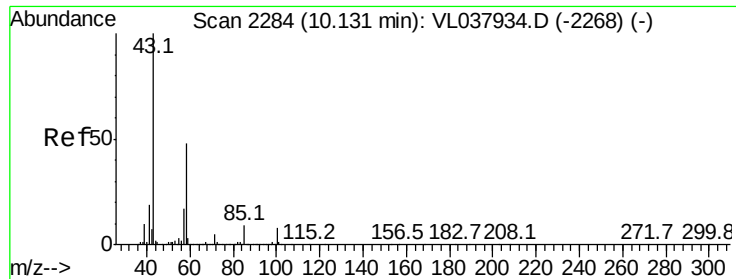
58 36.2 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.991 ppbv

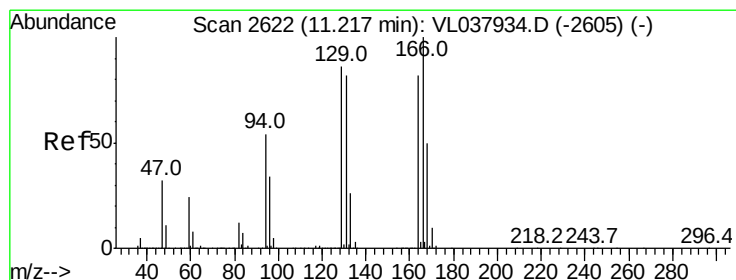
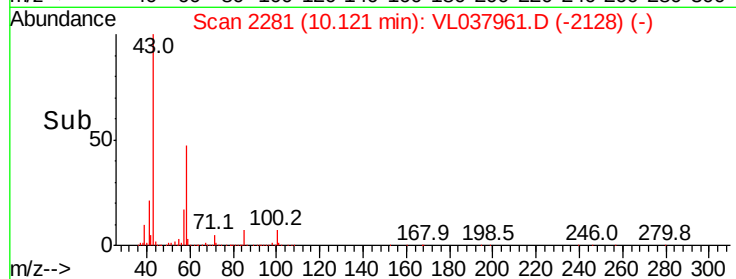
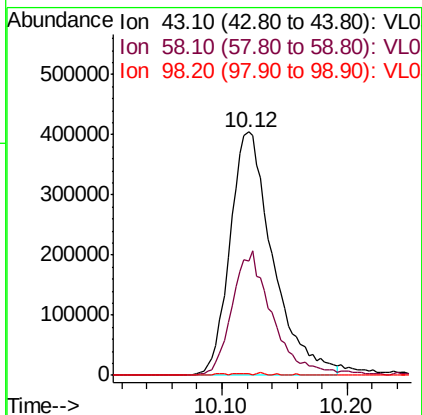
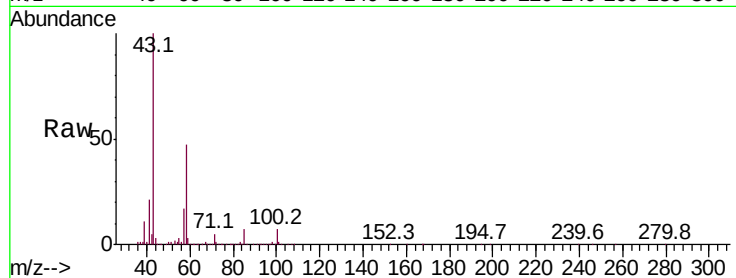
RT: 10.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.6	57.8
98	1.0	1.0	1.4



#52

Tetrachloroethene

Concen: 9.105 ppbv

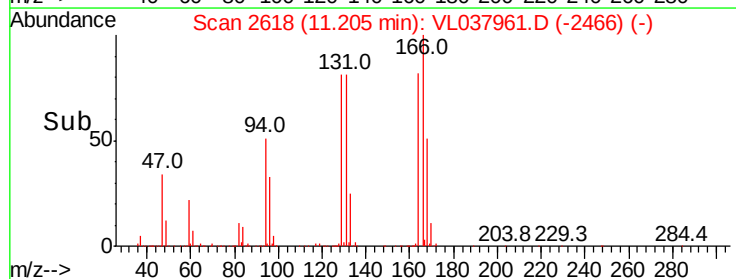
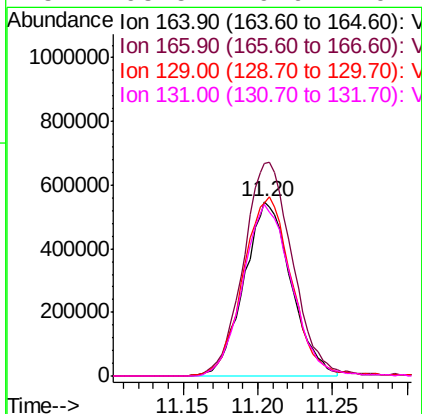
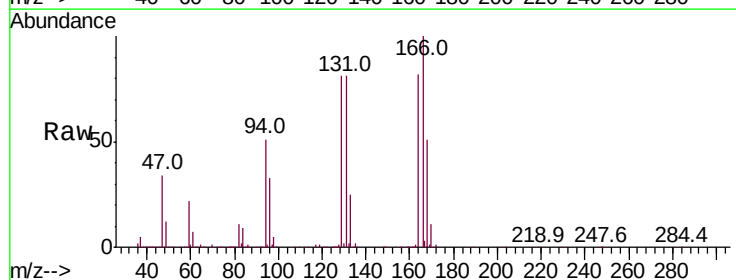
RT: 11.20 min Scan# 2618

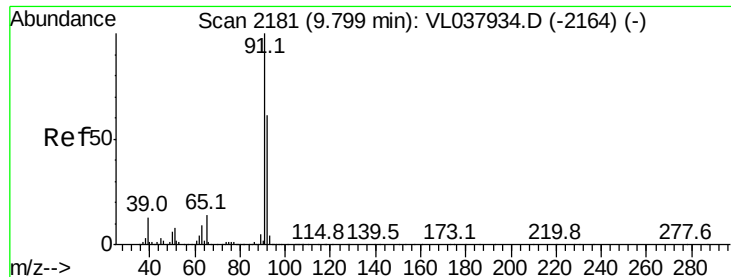
Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.2	97.6	146.4
129	98.9	84.2	126.2
131	98.5	79.6	119.4





#53

Toluene

Concen: 10.420 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

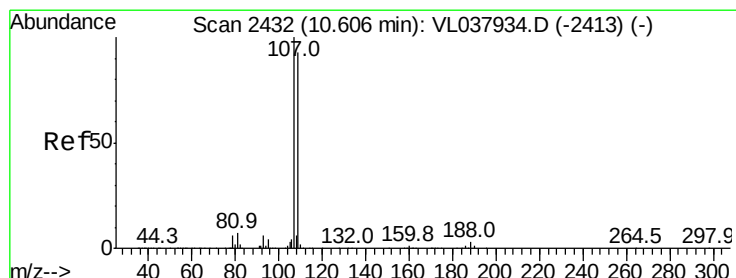
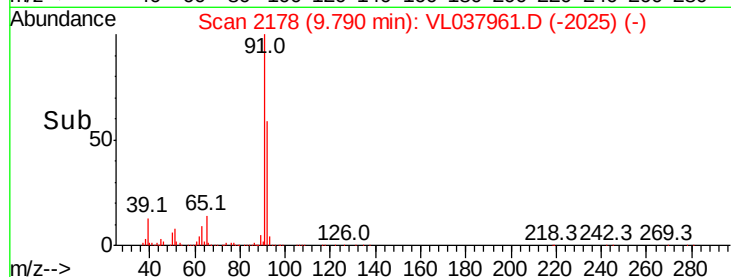
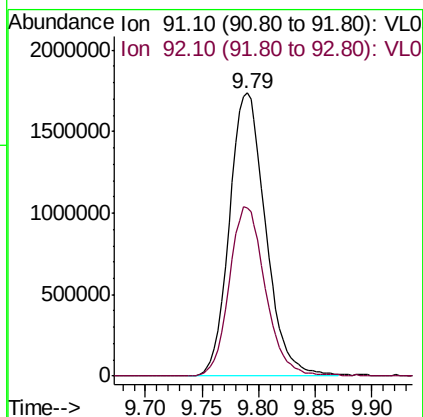
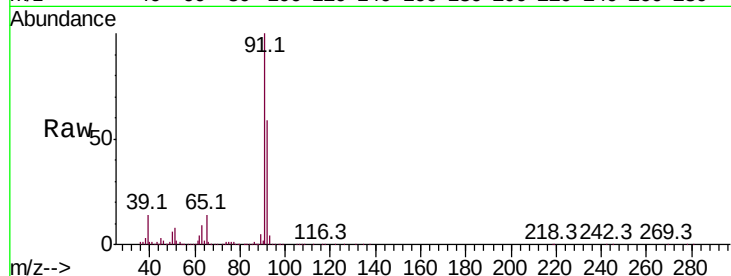
Acq: 2 Nov 2021 5:58

Tot Ion: 91 Resp: 3866126

Ion Ratio Lower Upper

91 100

92 60.2 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.800 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.01 min

Lab File: VL037961.D

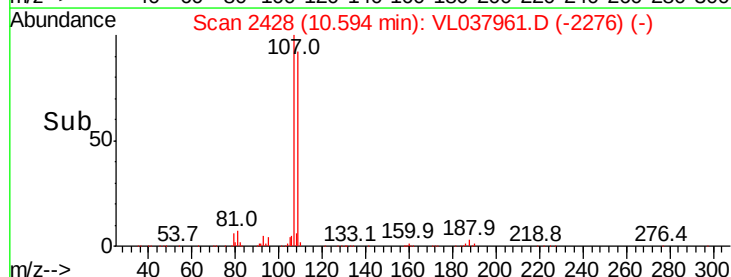
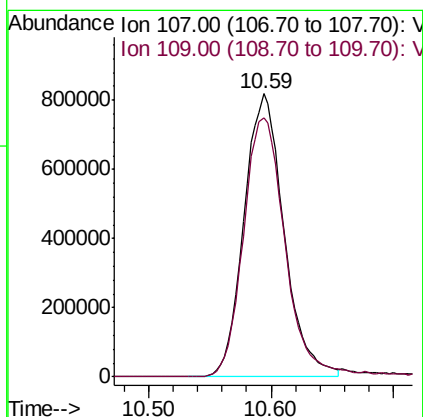
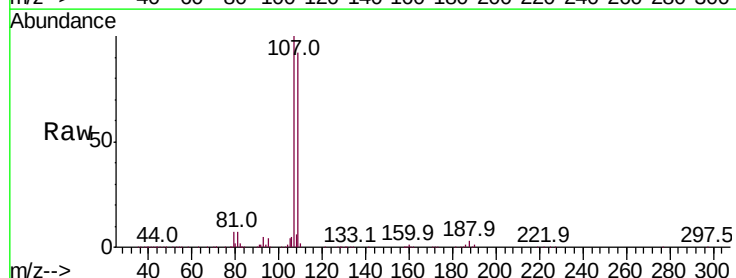
Acq: 2 Nov 2021 5:58

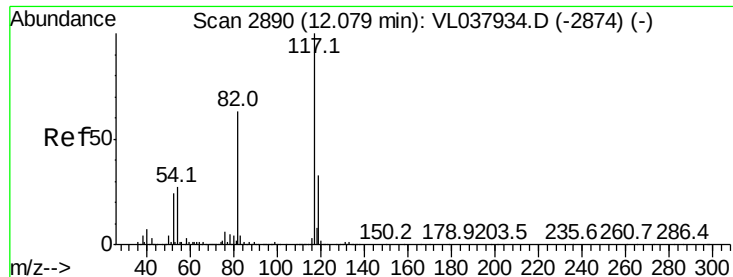
Tgt Ion: 107 Resp: 1849152

Ion Ratio Lower Upper

107 100

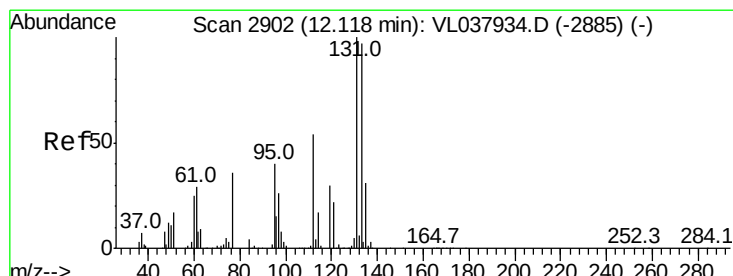
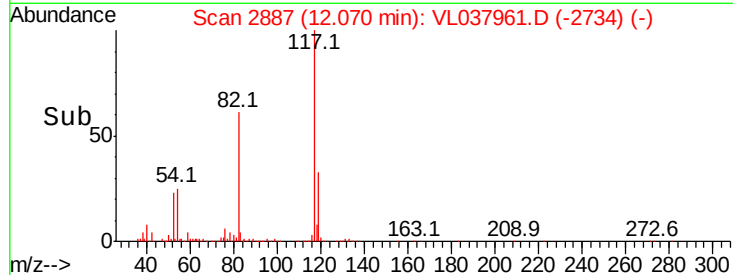
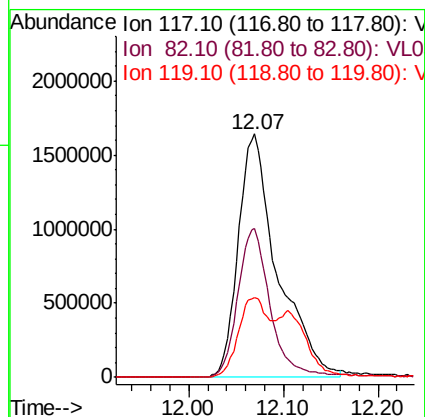
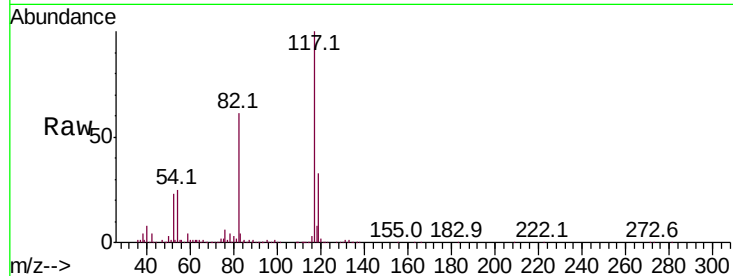
109 91.5 74.5 111.7





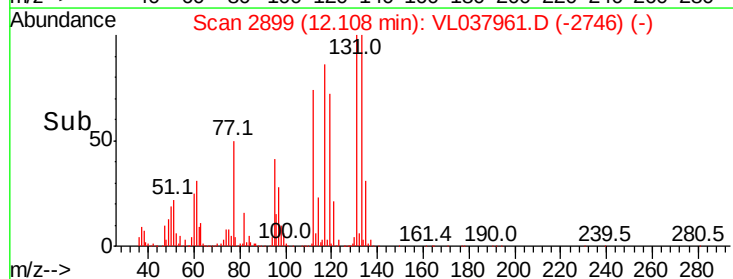
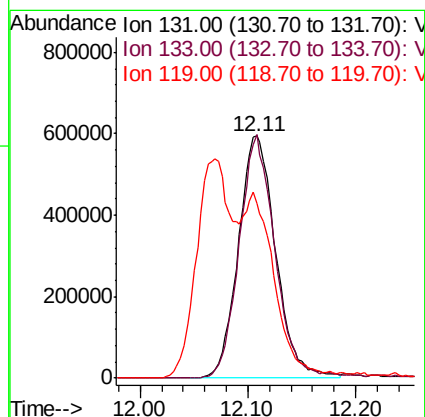
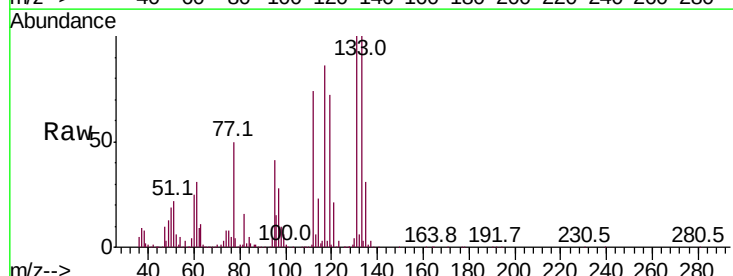
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: VSTDCCC010EC
Acq: 2 Nov 2021 5:58

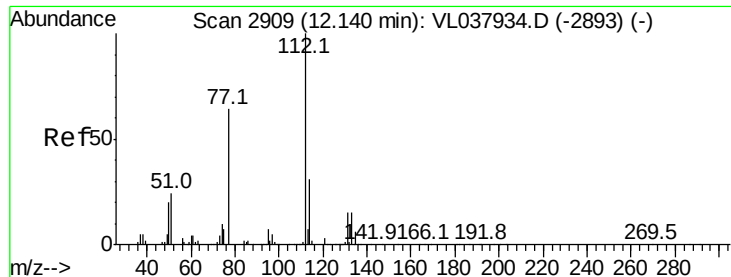
Tot Ion: 117 Resp: 4738546
Ion Ratio Lower Upper
117 100
82 52.1 51.0 76.6
119 47.2 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.484 ppbv
RT: 12.11 min Scan# 2899
Delta R.T.: -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

Tgt Ion: 131 Resp: 1431743
Ion Ratio Lower Upper
131 100
133 96.4 79.6 119.4
119 63.2 125.4 188.2#

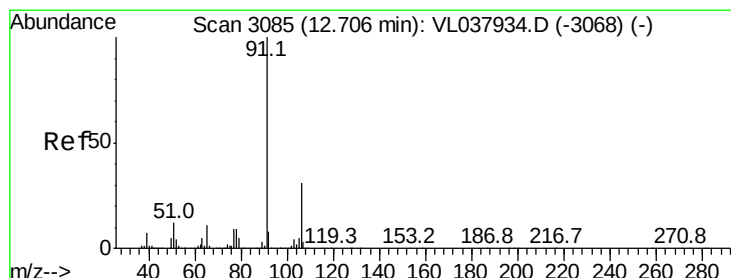
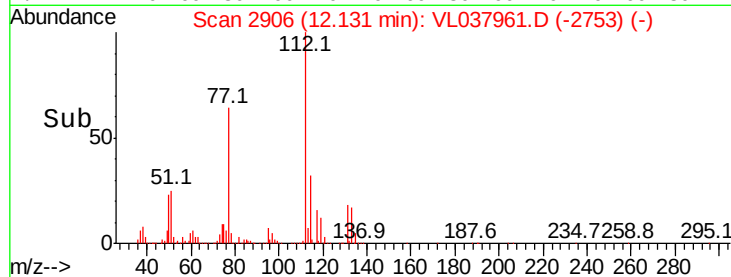
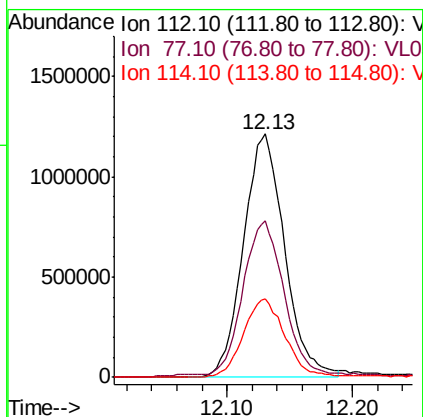
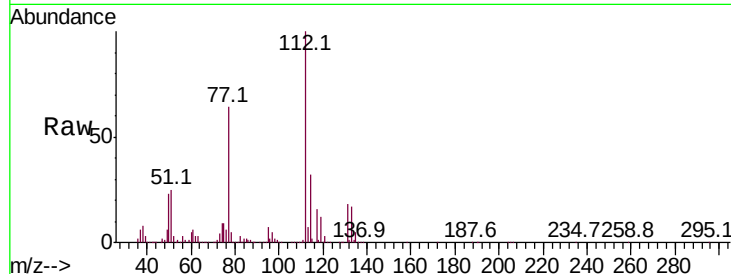




#57
Chlorobenzene
Concen: 7.298 ppbv
RT: 12.13
Instrument: MSVOA_1
Delta R.T.:
Client SampleId:
Lab File: VSTDCCC010EC
Acq: 2 Nov 2021 5:58

Tot Ion: 112 Resp: 2760205

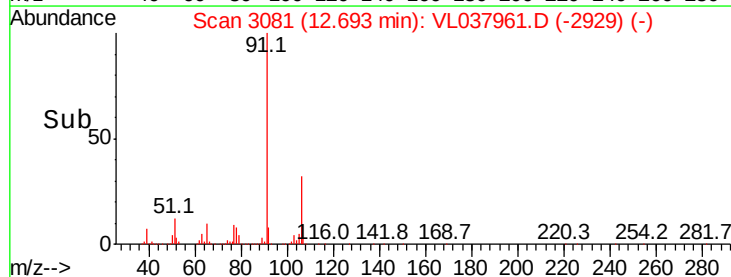
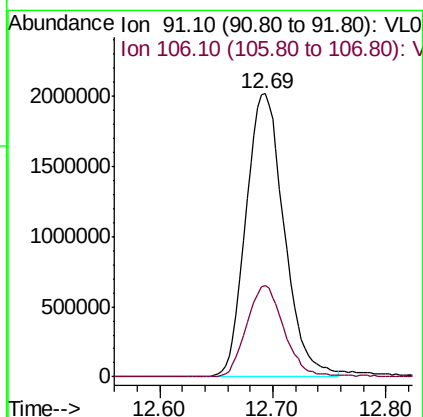
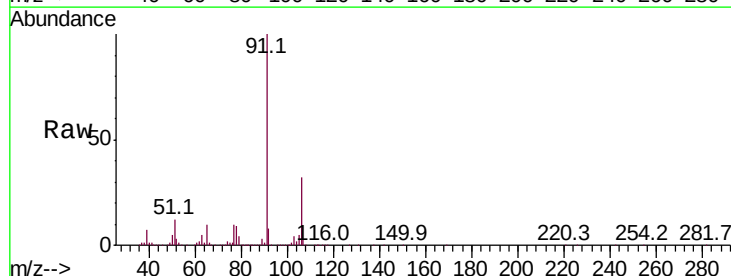
Ion	Ratio	Lower	Upper
112	100		
77	63.3	51.1	76.7
114	32.0	27.9	34.1

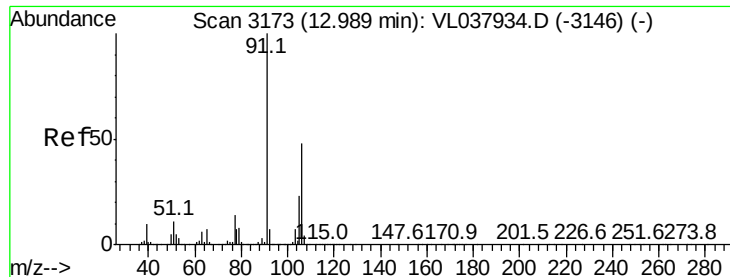


#58
Ethyl Benzene
Concen: 8.201 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

Tgt Ion: 91 Resp: 4752111

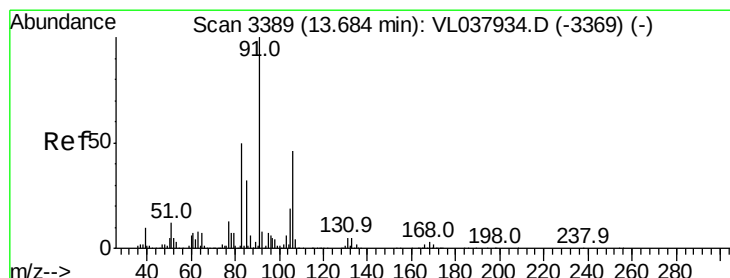
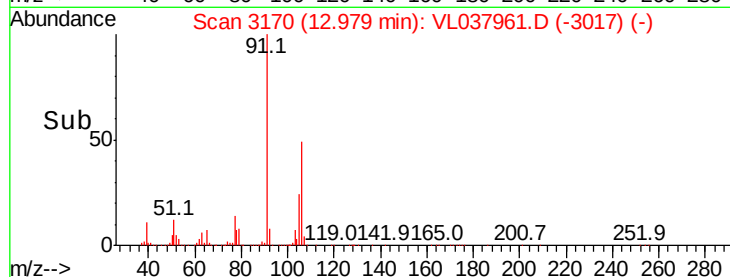
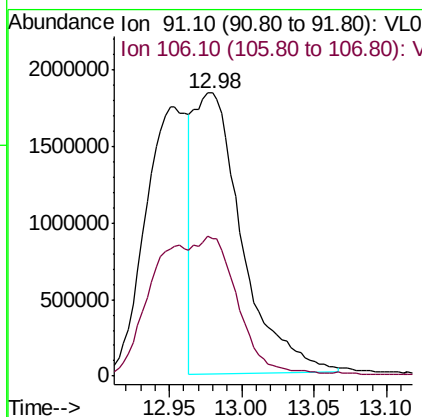
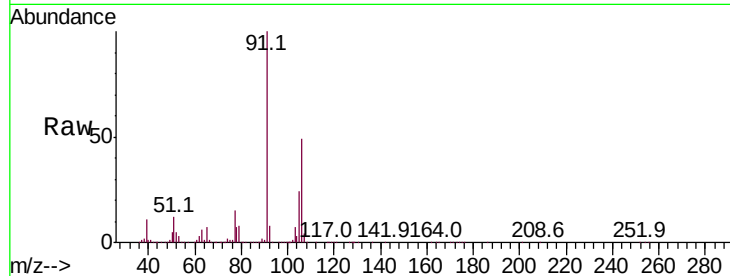
Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.1	37.7





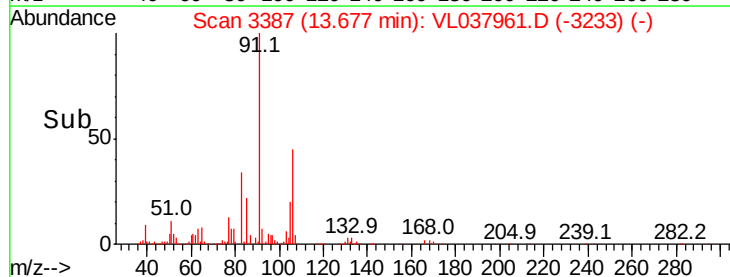
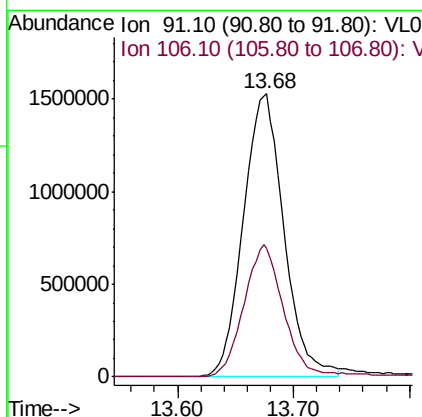
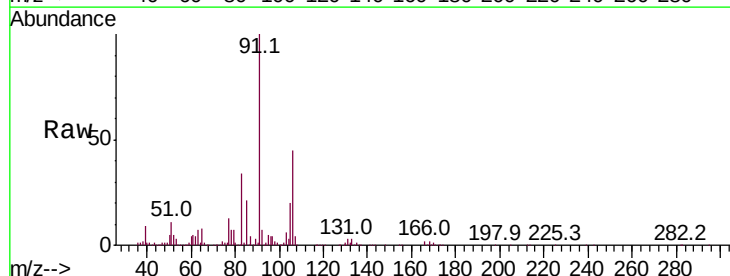
#59
m/p-Xylene
Concen: 8.251 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 5:58

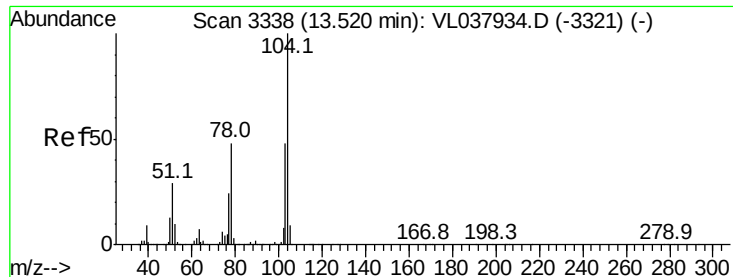
Tot Ion: 91 Resp: 4249694
Ion Ratio Lower Upper
91 100
106 88.1 37.1 55.7#



#60
o-Xylene
Concen: 7.651 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

Tgt Ion: 91 Resp: 3715450
Ion Ratio Lower Upper
91 100
106 47.0 23.5 70.6





#61

Stvrene

Concen: 9.120 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58

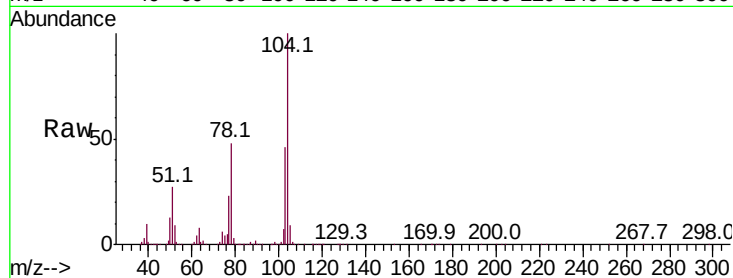
Tot Ion:104 Resp: 2033988

Ion Ratio Lower Upper

104 100

78 49.7 39.3 58.9

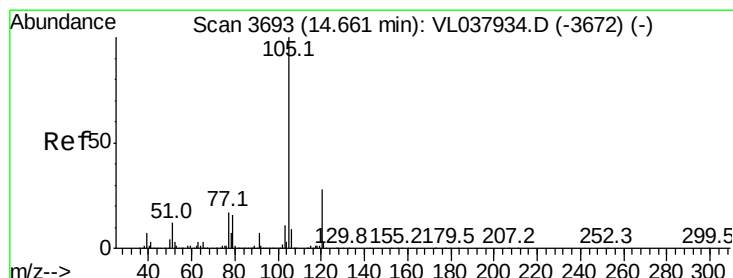
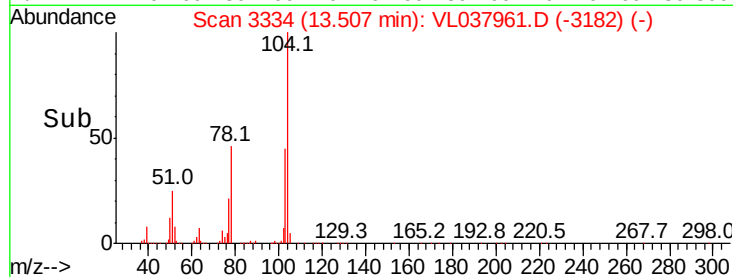
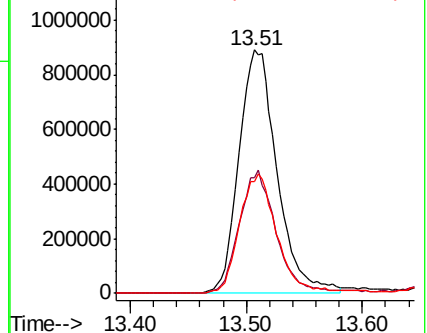
103 48.7 39.6 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.333 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.01 min

Lab File: VL037961.D

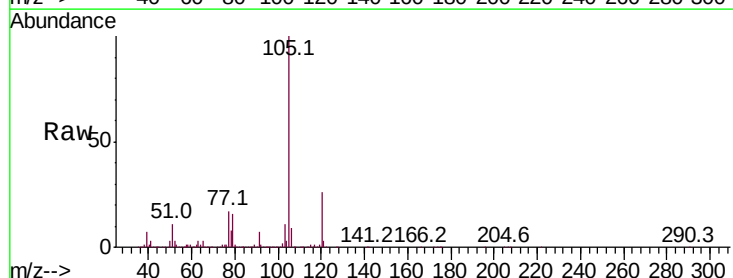
Acq: 2 Nov 2021 5:58

Tgt Ion:105 Resp: 5041965

Ion Ratio Lower Upper

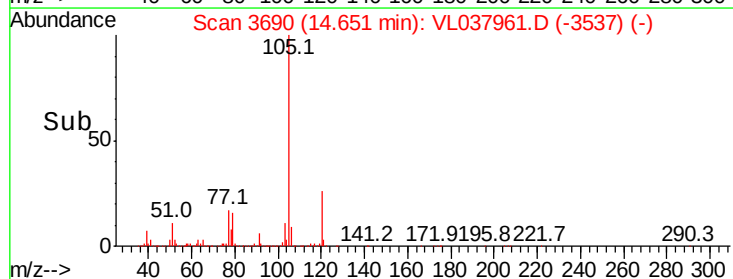
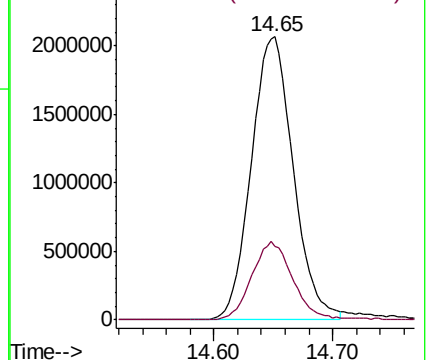
105 100

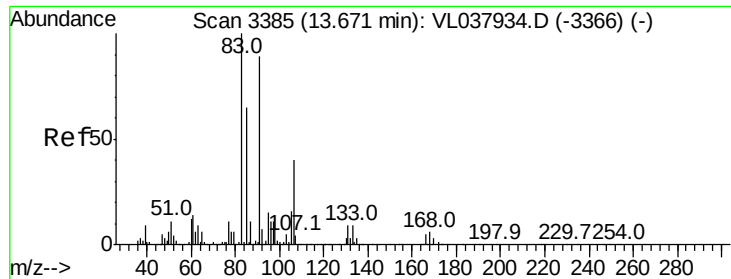
120 27.5 21.8 32.6



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: 6.323 ppbv

RT: 13.66

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58

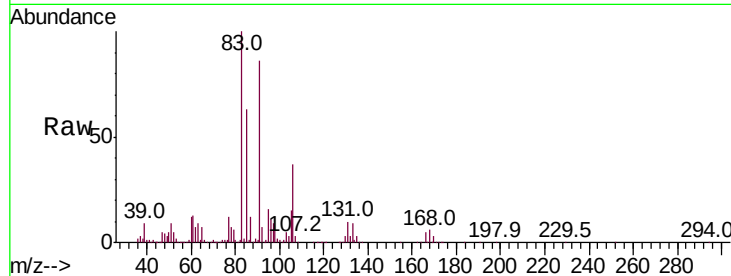
Tot Ion: 83 Resp: 2642892

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

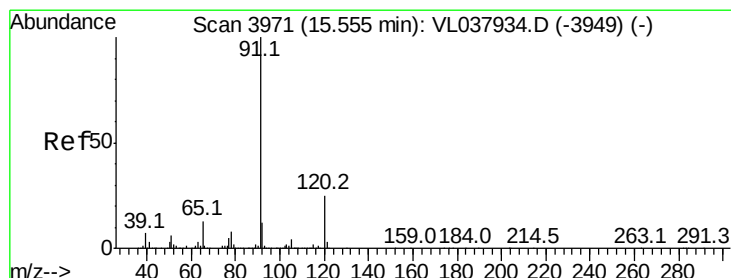
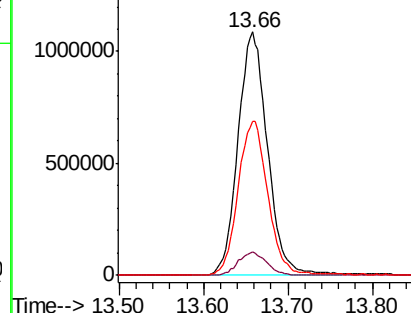
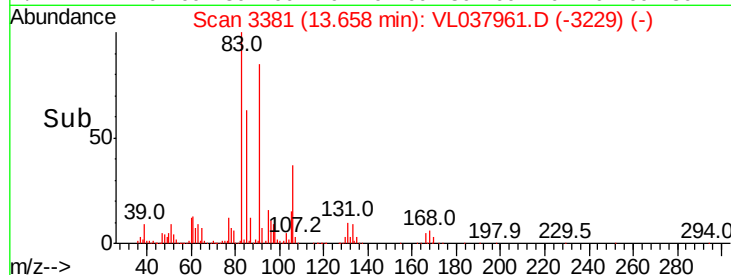
85 64.1 32.5 97.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.792 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.01 min

Lab File: VL037961.D

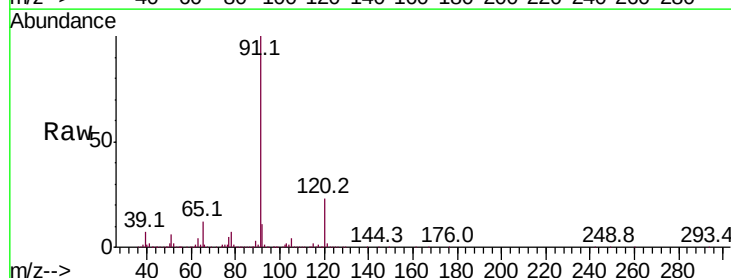
Acq: 2 Nov 2021 5:58

Tgt Ion:120 Resp: 1372805

Ion Ratio Lower Upper

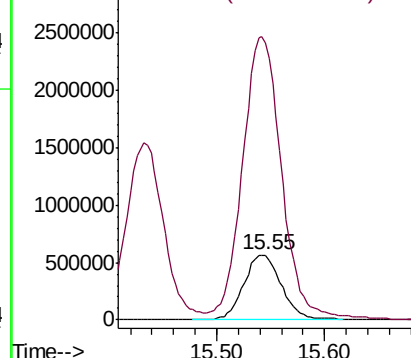
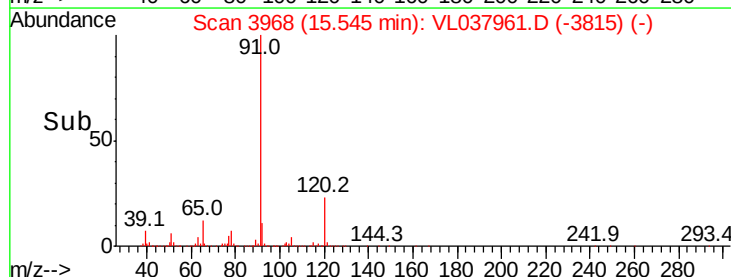
120 100

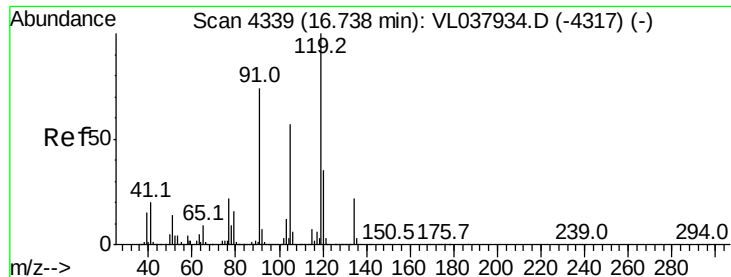
91 456.9 363.3 544.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.277 ppbv

RT: 16.73 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58

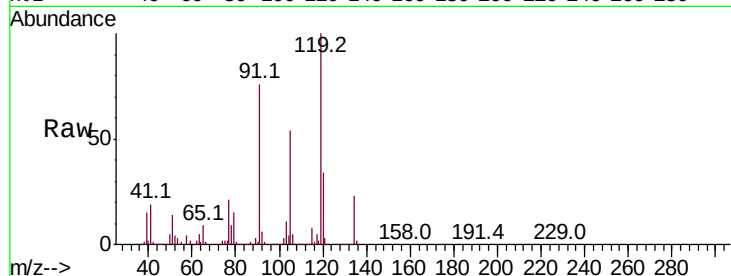
Tot Ion: 119 Resp: 4421887

Ion Ratio Lower Upper

119 100

91 76.3 61.8 92.6

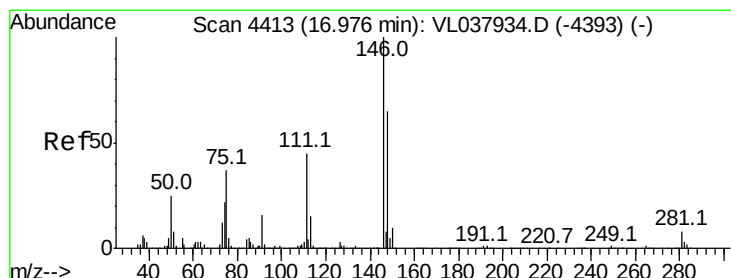
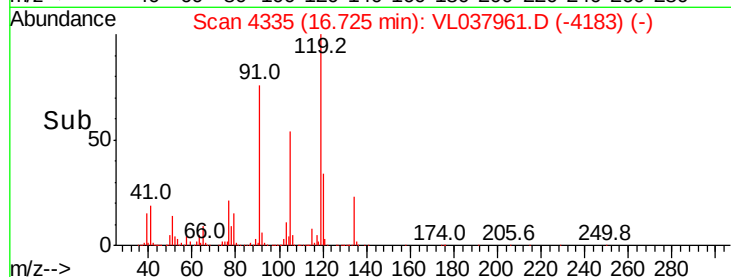
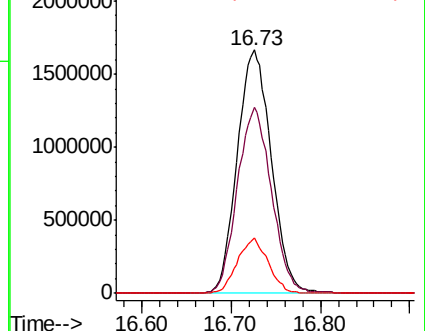
134 20.6 16.6 25.0



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: 7.189 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

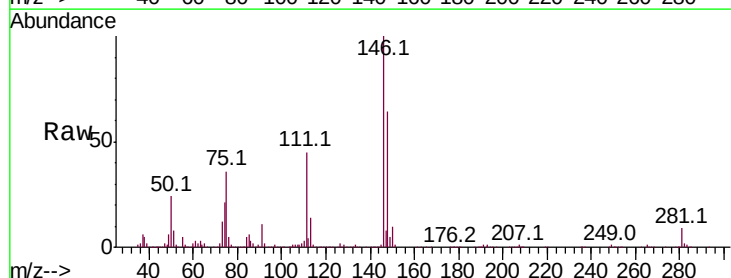
Tgt Ion: 91 Resp: 228278

Ion Ratio Lower Upper

91 100

126 17.8 13.8 20.6

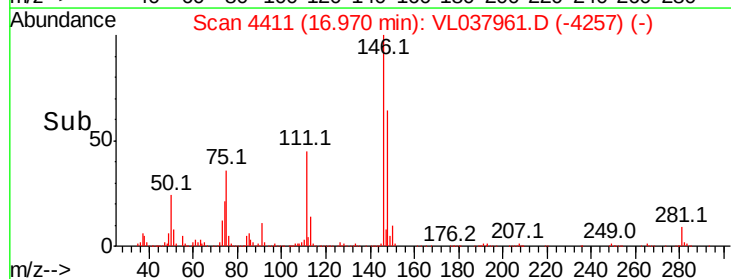
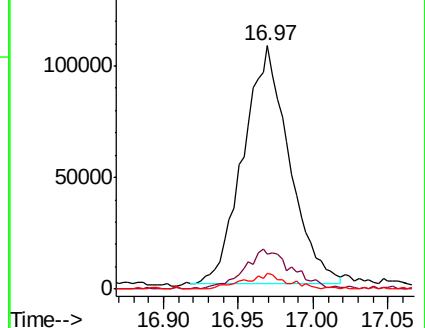
128 7.0 5.1 7.7

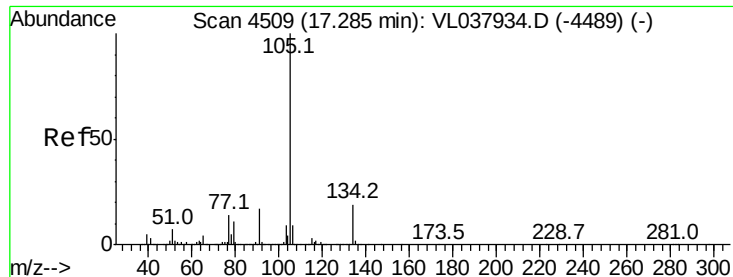


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.356 ppbv

RT: 17.28

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

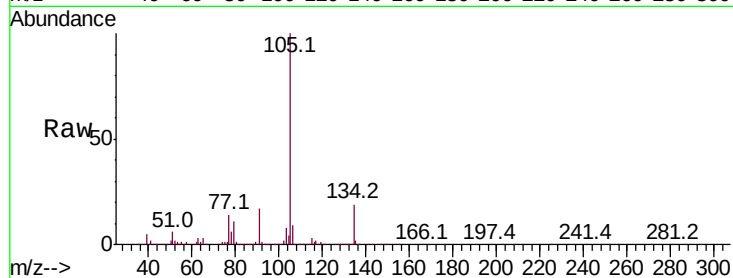
Acq: 2 Nov 2021 5:58

Tot Ion:105 Resp: 6158816

Ion Ratio Lower Upper

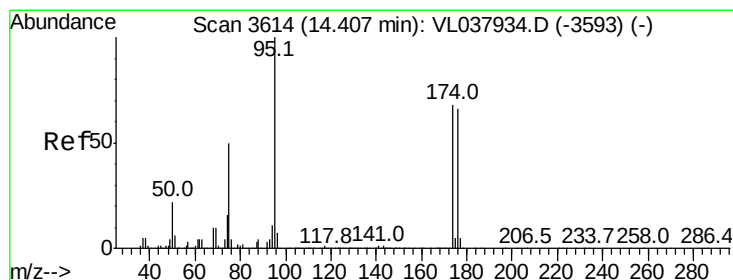
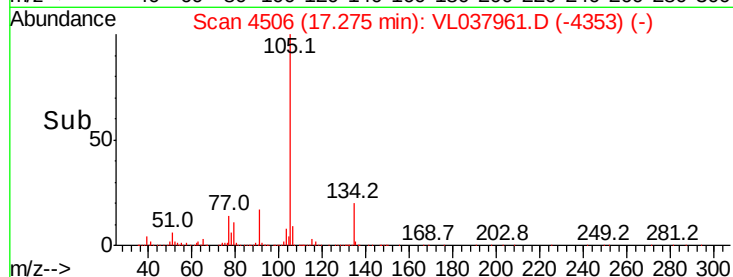
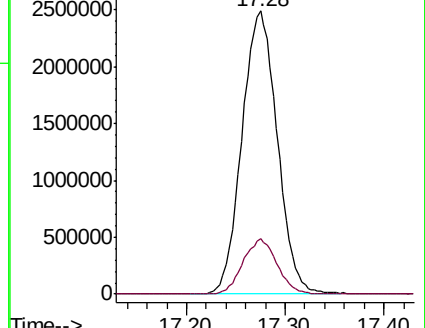
105 100

134 19.0 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: 8.530 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

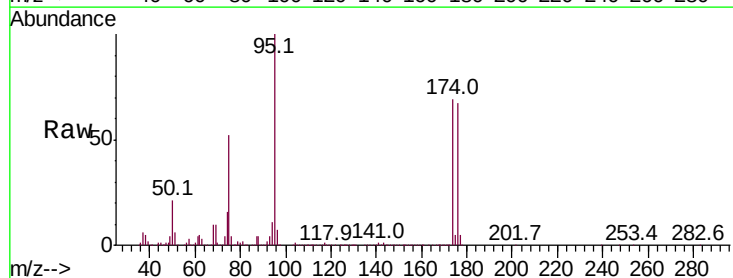
Tgt Ion: 95 Resp: 2938097

Ion Ratio Lower Upper

95 100

174 73.2 58.3 87.5

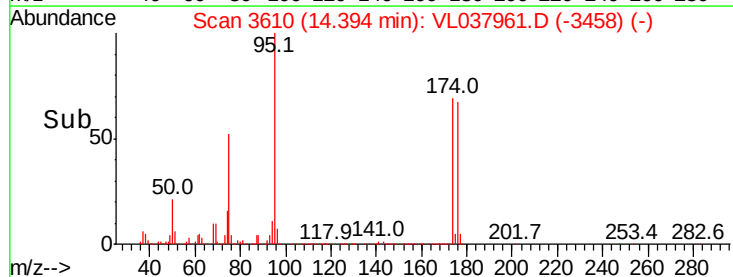
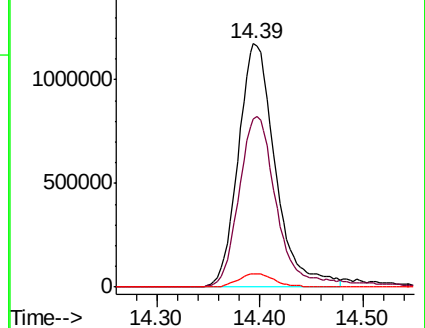
175 5.7 4.6 6.8

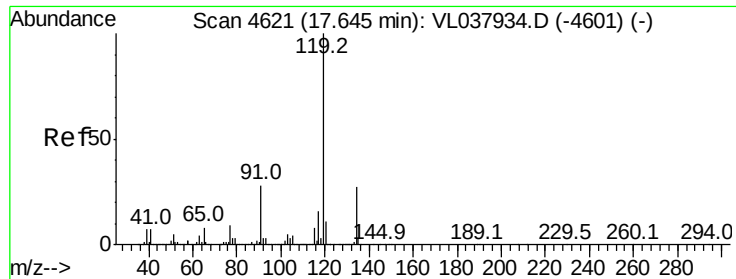


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

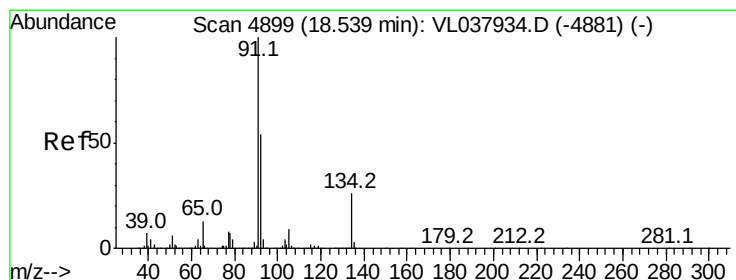
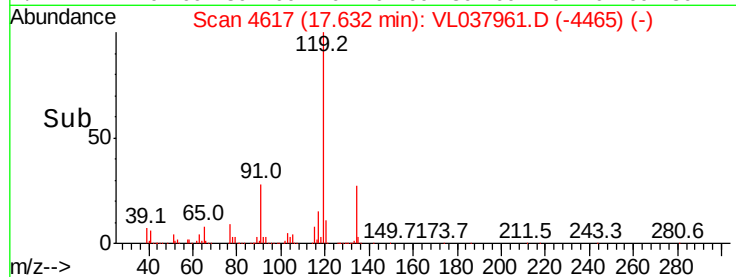
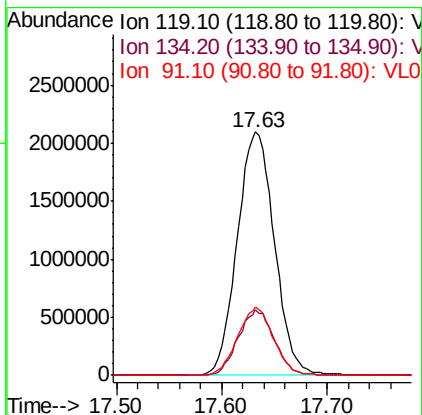
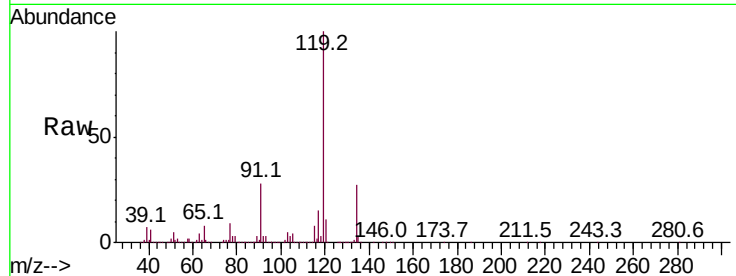
Ion 175.00 (174.70 to 175.70): V





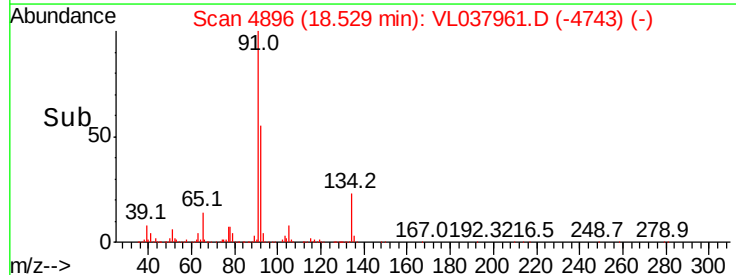
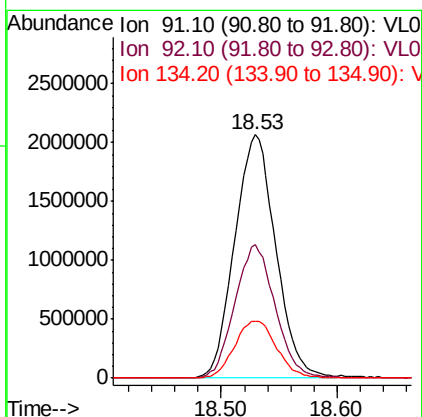
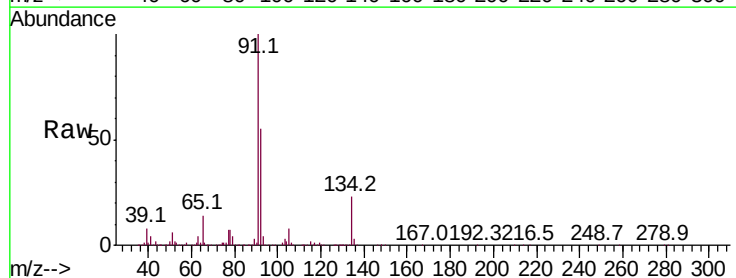
#69
 p-Isopropyltoluene
 Concen: 7.654 ppbv
 RT: 17.63 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 2 Nov 2021 5:58

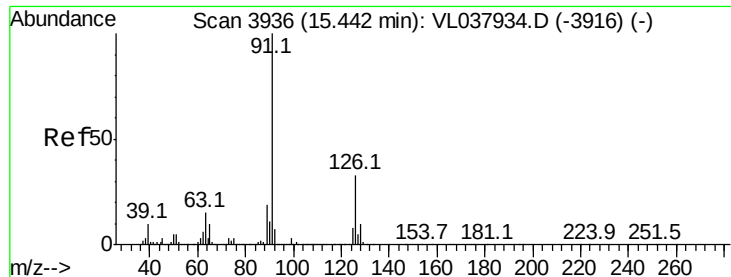
Tot Ion:	119	Resp:	5140309
Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.0	31.4
91	27.1	21.8	32.8



#70
 n-Butylbenzene
 Concen: 8.197 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T.: -0.01 min
 Lab File: VL037961.D
 Acq: 2 Nov 2021 5:58

Tgt Ion:	91	Resp:	5058356
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.6	65.4
134	24.3	19.8	29.6





#71

2-Chlorotoluene

Concen: 7.705 ppbv

RT: 15.43

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

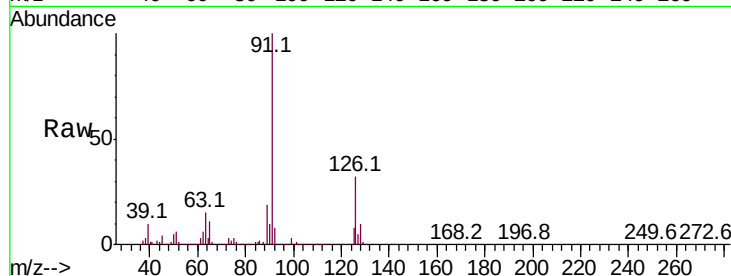
Acq: 2 Nov 2021 5:58

Tot Ion: 91 Resp: 3712068

Ion Ratio Lower Upper

91 100

126 33.3 13.3 53.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

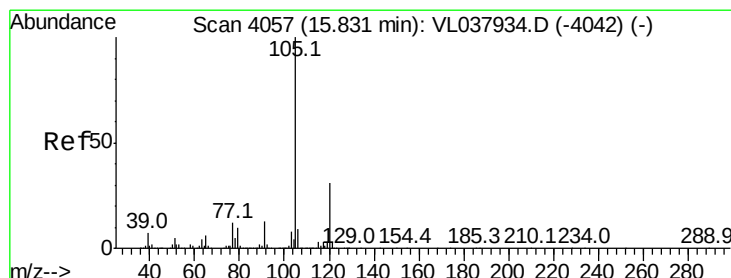
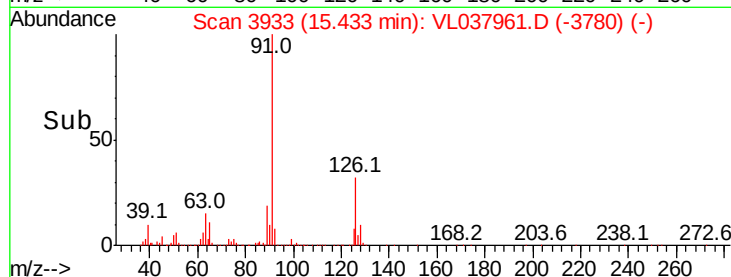
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.835 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion: 105 Resp: 4359025

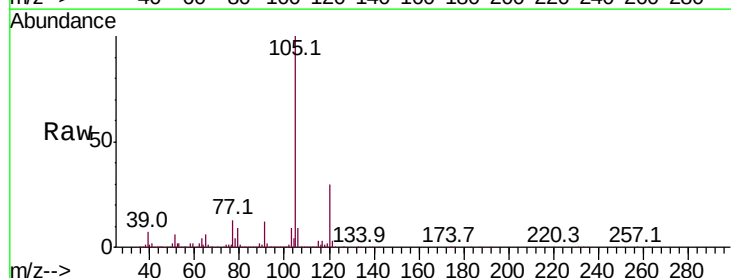
Ion Ratio Lower Upper

105 100

120 30.9 25.3 37.9

91 13.1 9.9 14.9

77 13.2 10.7 16.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

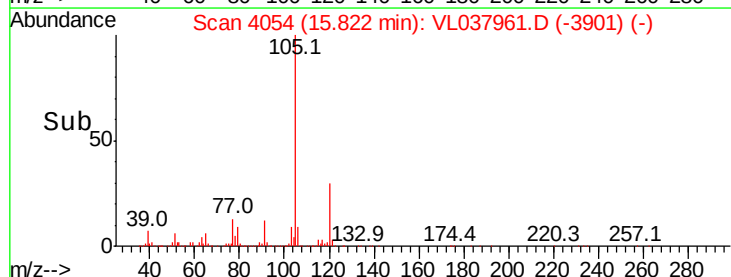
1000000

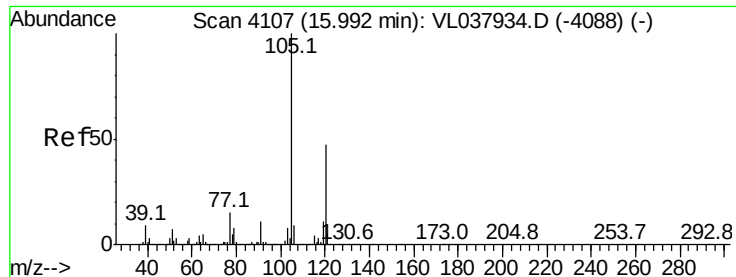
500000

0

15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.434 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

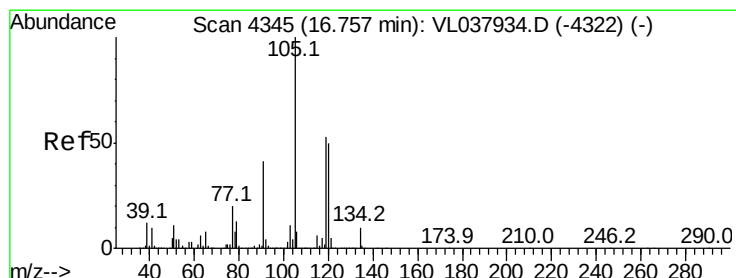
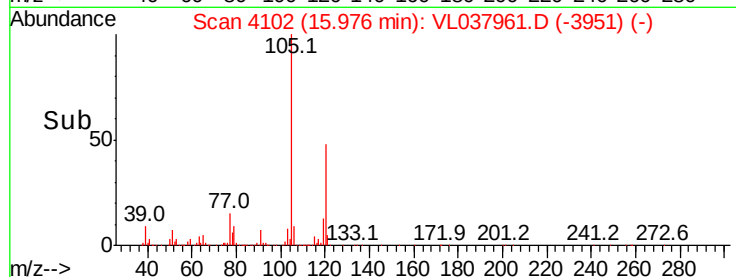
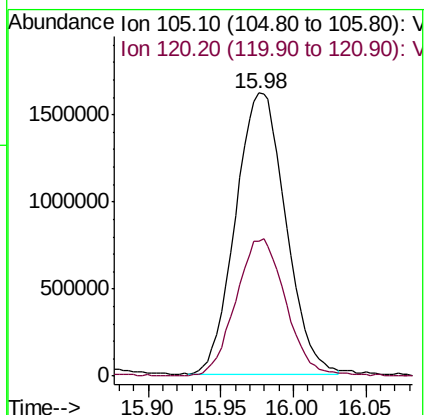
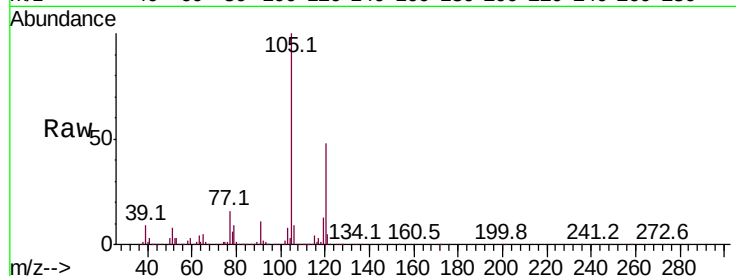
Acq: 2 Nov 2021 5:58

Tot Ion:105 Resp: 3873102

Ion Ratio Lower Upper

105 100

120 47.9 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 7.483 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

Tgt Ion:105 Resp: 4084175

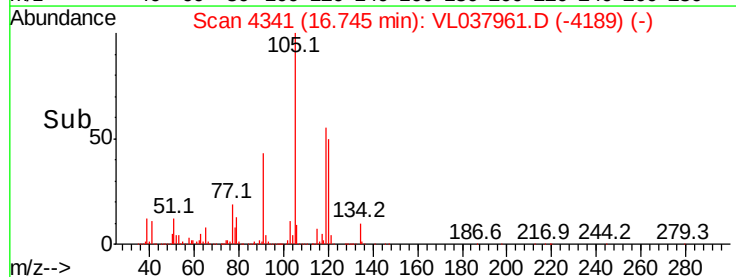
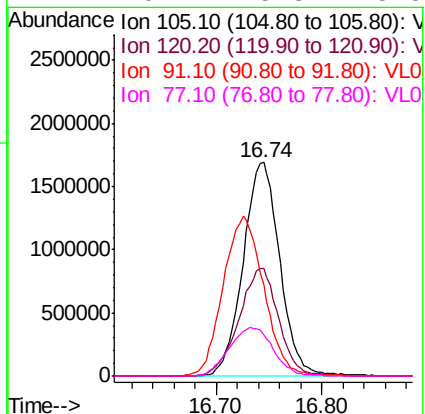
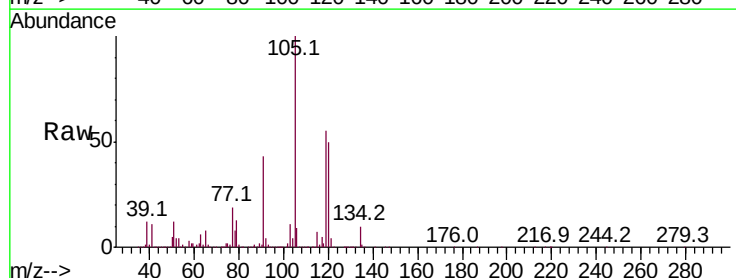
Ion Ratio Lower Upper

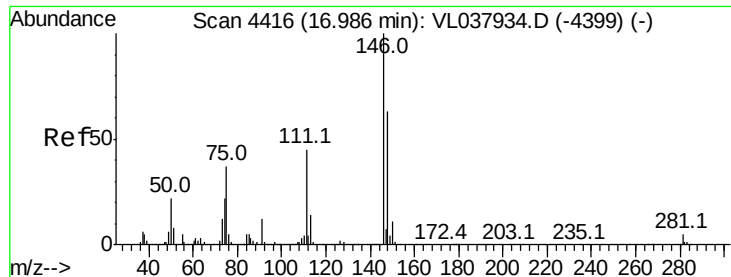
105 100

120 50.3 40.0 60.0

91 42.5 32.6 49.0

77 19.2 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 7.397 ppbv

RT: 16.98

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58

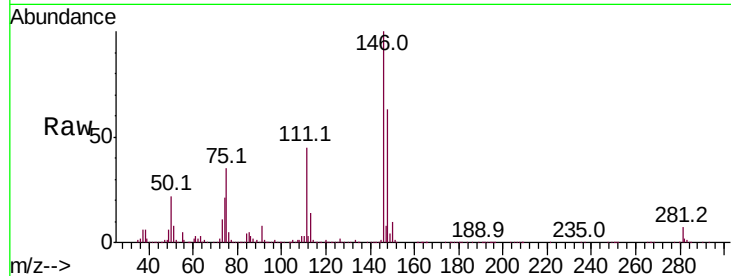
Tot Ion:146 Resp: 2513828

Ion Ratio Lower Upper

146 100

111 45.6 22.7 68.1

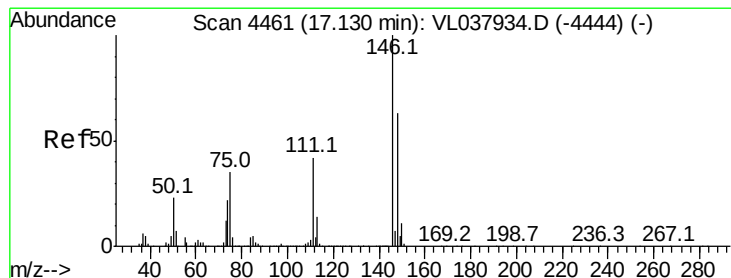
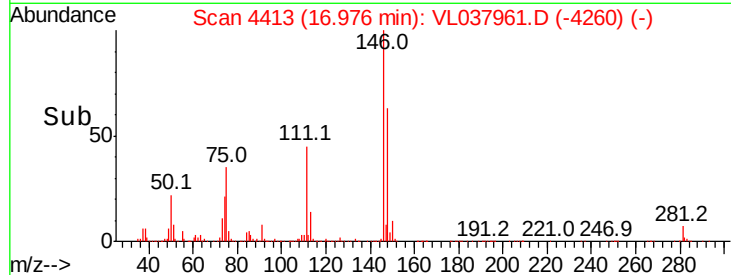
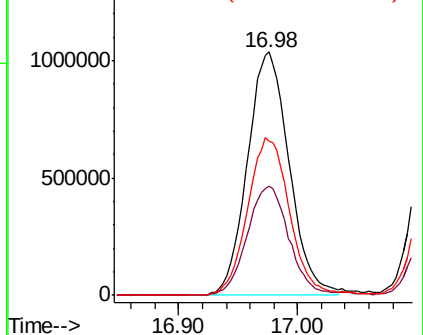
148 65.5 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.429 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

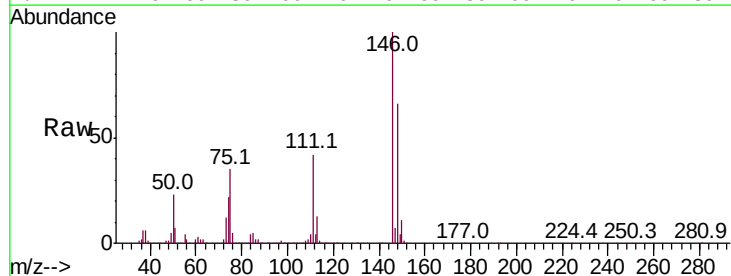
Tgt Ion:146 Resp: 2442877

Ion Ratio Lower Upper

146 100

111 45.2 22.7 68.1

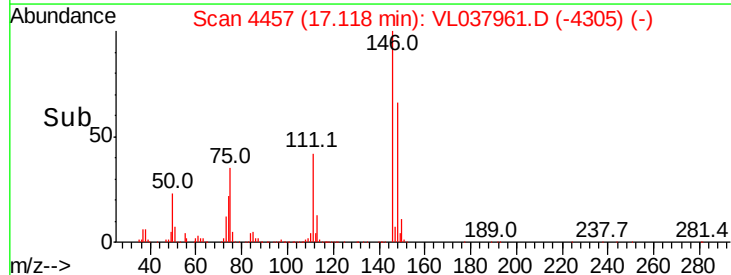
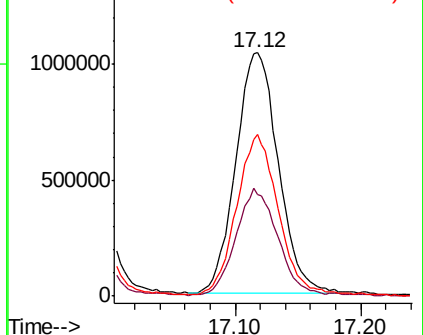
148 67.0 33.5 100.4

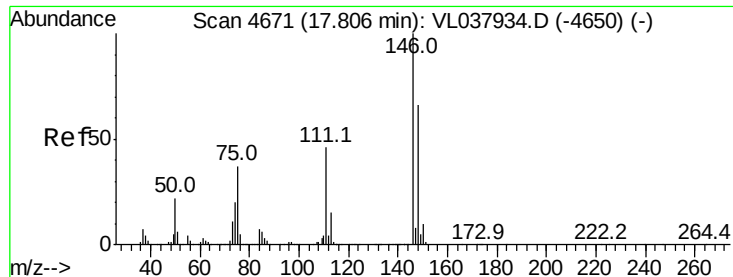


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.524 ppbv

RT: 17.80

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:58

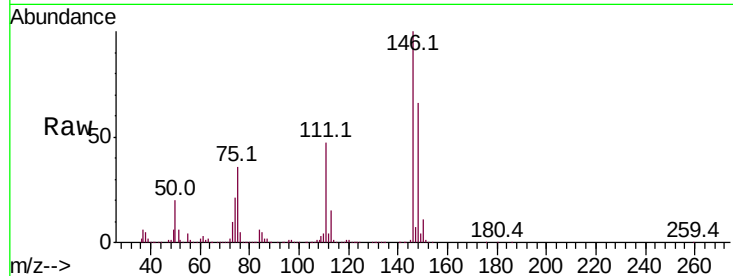
Tot Ion:146 Resp: 2400871

Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.2

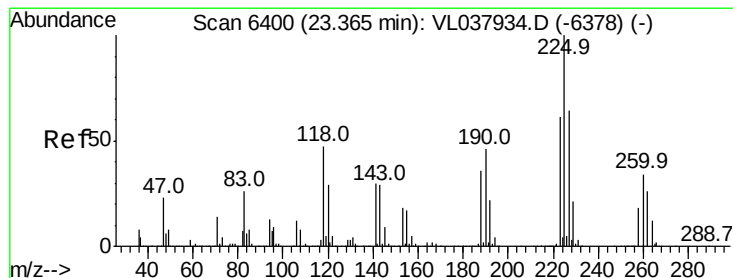
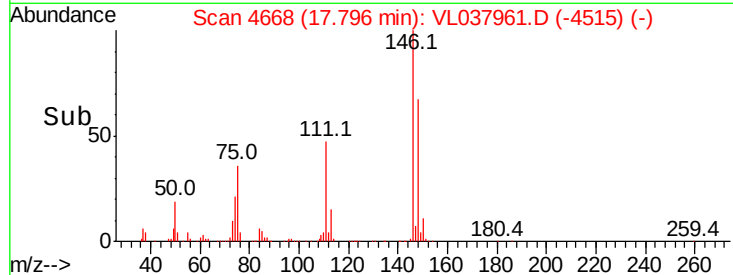
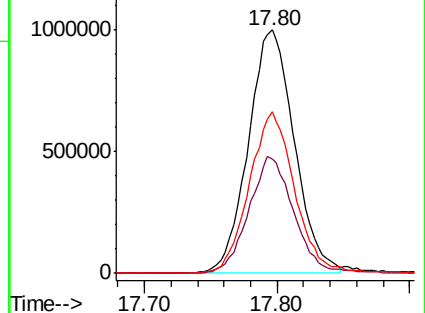
148 66.4 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.786 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.01 min

Lab File: VL037961.D

Acq: 2 Nov 2021 5:58

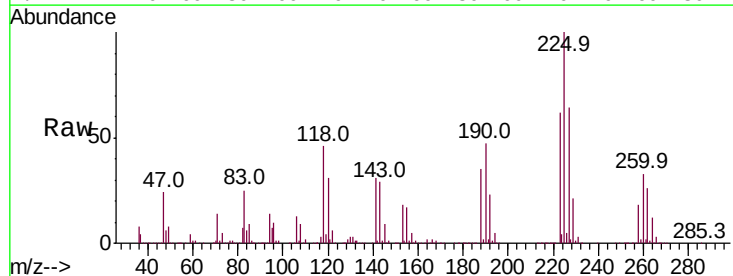
Tgt Ion:225 Resp: 2126495

Ion Ratio Lower Upper

225 100

223 63.7 50.0 75.0

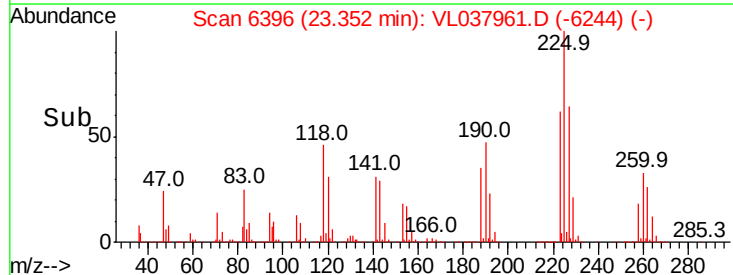
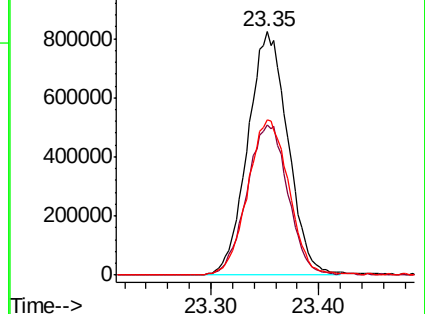
227 66.1 51.5 77.3

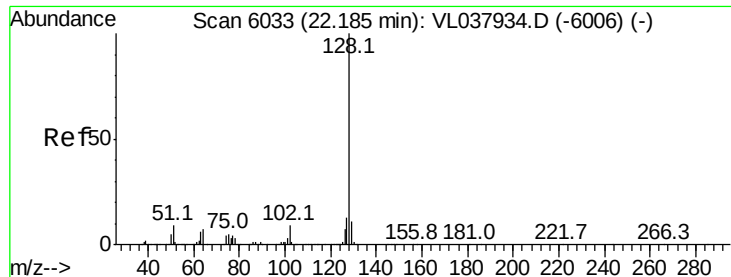


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

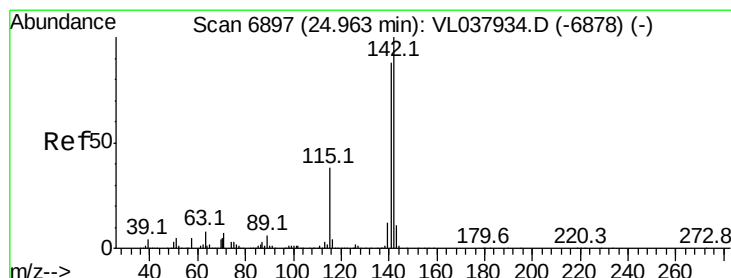
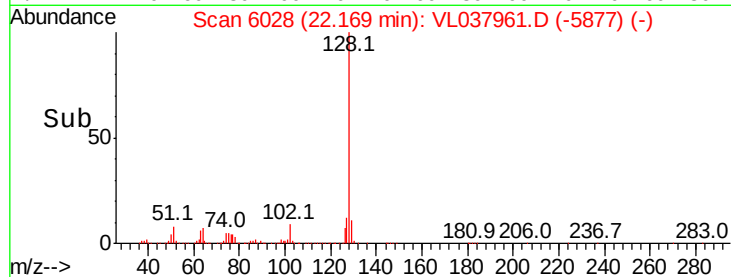
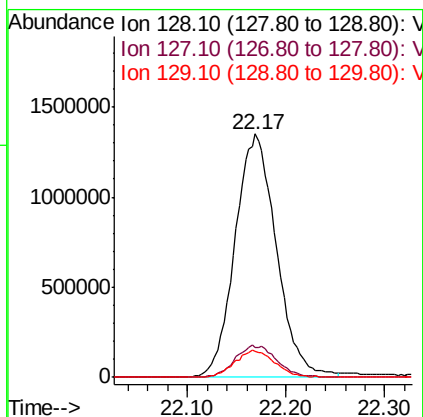
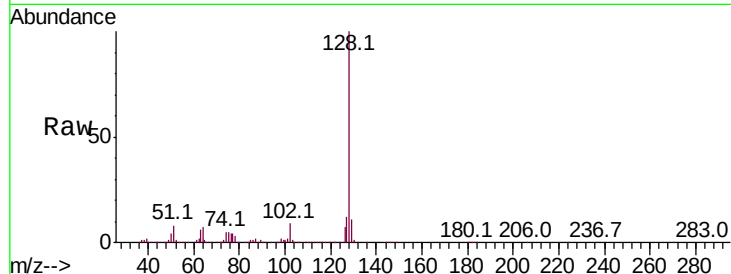




#79
Naphthalene
Concen: 12.438 ppbv
RT: 22.17 min
Instrument: MSVOA_L
Delta R.T.:
Client SampleId:
Lab File: VSTDCCC010EC
Acq: 2 Nov 2021 5:58

Tot Ion:128 Resp: 3911190

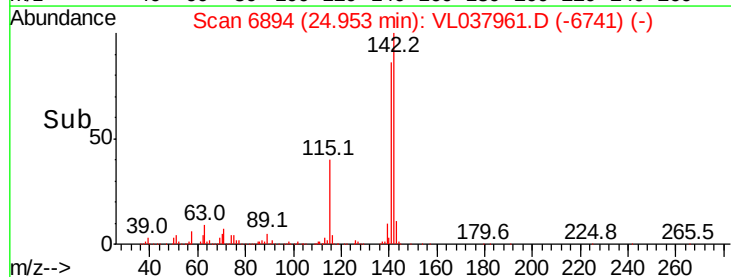
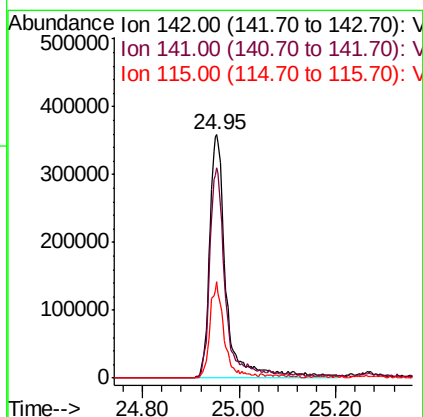
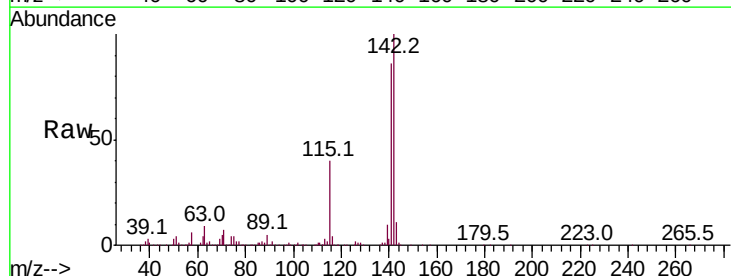
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.8	9.0	13.4

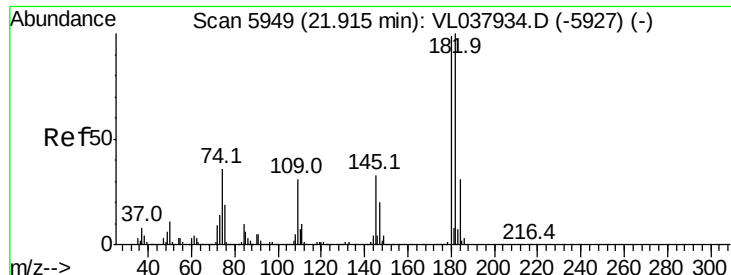


#80
Naphthalene, 2-methyl-
Concen: 13.940 ppbv
RT: 24.95 min Scan# 6894
Delta R.T.: -0.01 min
Lab File: VL037961.D
Acq: 2 Nov 2021 5:58

Tgt Ion:142 Resp: 853319

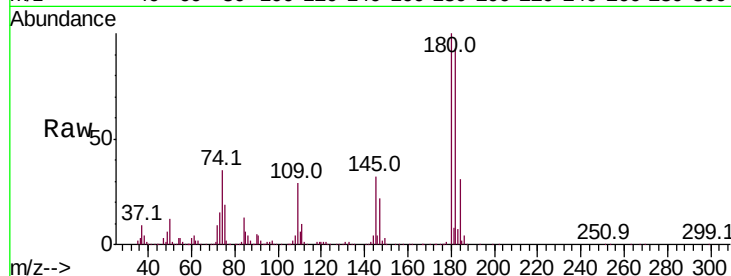
Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.4	99.6
115	33.6	29.0	43.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.634 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 2 Nov 2021 3:38

Tot Ion:180 Resp: 2176510
 Ion Ratio Lower Upper
 180 100
 182 97.1 79.3 118.9
 184 30.9 25.3 37.9



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

