

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037669.D
 Acq On : 23 Sep 2021 19:09
 Operator : SY/AP
 Sample : VL0923SBS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:37:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1642822	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4886205	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	5440631	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3339585	8.49	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1748588	5.882	ppbv 100
3) Chlorodifluoromethane	2.99	51	2714959	8.762	ppbv 100
4) Chloromethane	3.15	50	1026204	8.963	ppbv 99
5) Vinyl Chloride	3.26	62	1027282	9.553	ppbv 94
6) Bromomethane	3.48	94	584109	9.345	ppbv 98
7) Chloroethane	3.56	64	342725	8.528	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2294979	8.949	ppbv 98
9) Propene	3.02	41	964547	8.824	ppbv 96
10) Heptane	8.13	43	2539588	9.957	ppbv 100
11) Trichlorofluoromethane	3.95	101	2160996	9.054	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1589479	9.023	ppbv 100
13) Ethanol	3.62	45	94885	8.875	ppbv 94
14) Bromoethene	3.74	108	737164	9.193	ppbv 98
15) Acetone	3.85	43	1225352	7.179	ppbv 97
16) 1,3-Butadiene	3.33	39	1001626	9.391	ppbv 100
17) tert-Butyl alcohol	4.29	59	1308191	9.038	ppbv 99
18) 1,1-Dichloroethene	4.29	96	712610	8.683	ppbv 96
19) Isopropyl Alcohol	3.97	45	744498	8.016	ppbv # 96
20) Methylene Chloride	4.35	84	601784	7.385	ppbv 96
21) Allyl Chloride	4.42	41	1192909	9.355	ppbv 96
22) trans-1,2-Dichloroethene	4.89	96	724214	8.771	ppbv 98
23) Vinyl Acetate	5.08	43	2425180	10.268	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1542783	9.118	ppbv 98
25) Ethyl Acetate	5.68	43	3829136	9.263	ppbv 100
26) Hexane	5.69	57	1823372	9.285	ppbv 99
27) Carbon Disulfide	4.56	76	1754260	9.765	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1742008	10.071	ppbv 98
29) Chloroform	5.76	83	2634890	9.189	ppbv 99
30) Cyclohexane	7.14	84	1569392	9.344	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1699681	9.534	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	2487654	9.318	ppbv 99
34) 2-Butanone	5.25	43	1730043	8.713	ppbv 99
35) Carbon Tetrachloride	7.02	117	2614168	9.458	ppbv 99
36) Benzene	6.90	78	3822196	9.381	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1841893	9.192	ppbv 99
38) Trichloroethene	7.84	130	1514187	8.896	ppbv 96
39) 1,2-Dichloropropane	7.62	63	1446003	9.266	ppbv 96
40) 1,4-Dioxane	7.84	88	331804	8.741	ppbv # 1
41) Tetrahydrofuran	6.06	42	868744	9.307	ppbv 99
42) Bromodichloromethane	7.80	83	2767148	9.635	ppbv 97
43) Methyl Methacrylate	8.02	69	1367948	10.092	ppbv 100

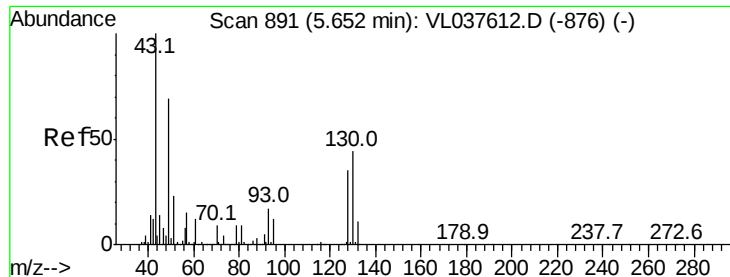
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037669.D
 Acq On : 23 Sep 2021 19:09
 Operator : SY/AP
 Sample : VL0923SBS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: Sep 24 06:37:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6381697	9.317	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1179416	11.077	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	1543279	10.731	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1544882	8.949	ppbv	97
48) Dibromochloromethane	10.31	129	2399295	9.963	ppbv	100
49) Bromoform	13.04	173	1844244	9.568	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2478194	9.833	ppbv	99
51) 2-Hexanone	10.14	43	1091777	9.818	ppbv #	99
52) Tetrachloroethene	11.23	164	1367015	8.739	ppbv	95
53) Toluene	9.81	91	4380287	9.672	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2149710	9.095	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1668412	7.393	ppbv #	50
57) Chlorobenzene	12.15	112	3194776	7.063	ppbv	98
58) Ethyl Benzene	12.71	91	5526920	7.653	ppbv	99
59) m/p-Xylene	13.00	91	4457266	7.082	ppbv #	20
60) o-Xylene	13.70	91	4311586	7.198	ppbv	98
61) Styrene	13.53	104	2444217	8.275	ppbv	99
62) Isopropylbenzene	14.67	105	5923759	7.079	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3089285	6.590	ppbv	99
64) n-propylbenzene	15.56	120	1611922	7.464	ppbv	88
65) tert-Butylbenzene	16.75	119	5311580	7.040	ppbv	100
66) Benzyl Chloride	16.99	91	314698	7.632	ppbv	98
67) sec-Butylbenzene	17.29	105	7372335	7.202	ppbv	99
69) p-Isopropyltoluene	17.65	119	6153706	7.358	ppbv	100
70) n-Butylbenzene	18.55	91	5956180	7.527	ppbv	99
71) 2-Chlorotoluene	15.46	91	4379169	7.302	ppbv	99
72) 4-Ethyltoluene	15.84	105	5153205	7.494	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4632748	7.228	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4800178	7.110	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2936687	7.001	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2782944	6.727	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2831536	7.117	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2243889	6.701	ppbv	99
79) Naphthalene	22.19	128	3939813	9.504	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1008003	10.639	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2279122	8.564	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampled :

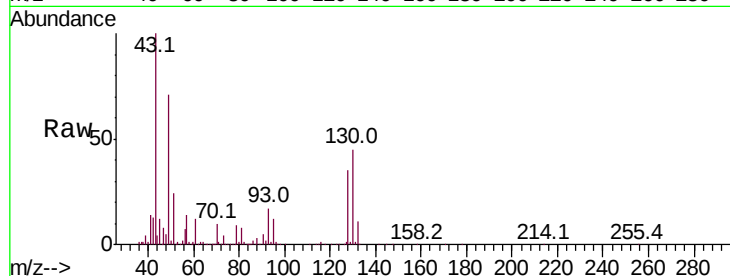
Tot Ion: 49 Resp: 1642822

Ion Ratio Lower Upper

49 100

128 55.8 27.9 83.6

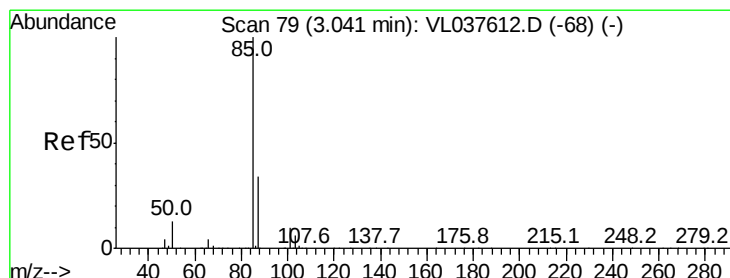
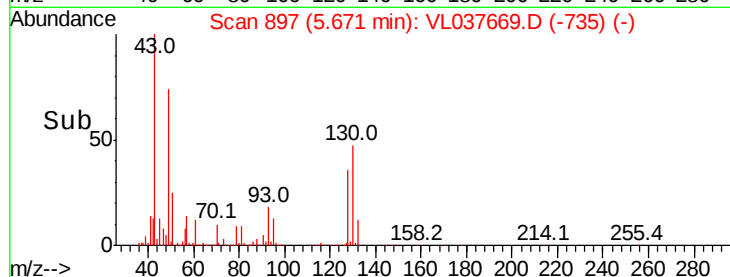
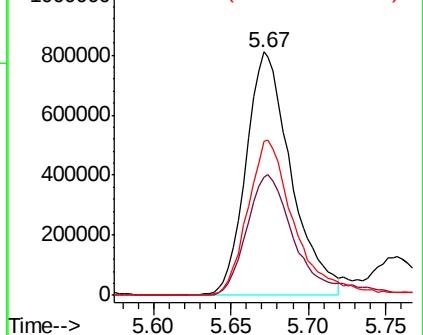
130 67.9 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.882 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037669.D

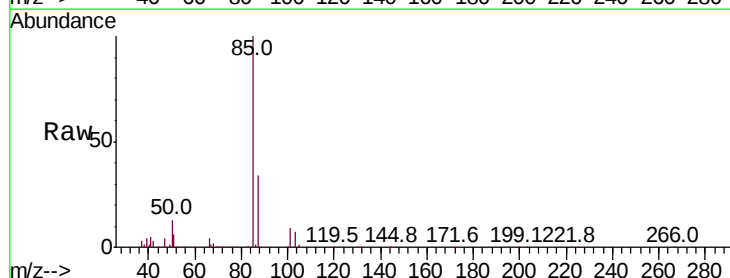
Acq: 23 Sep 2021 19:09

Tgt Ion: 85 Resp: 1748588

Ion Ratio Lower Upper

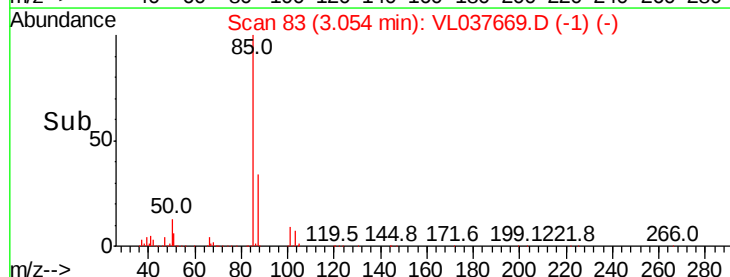
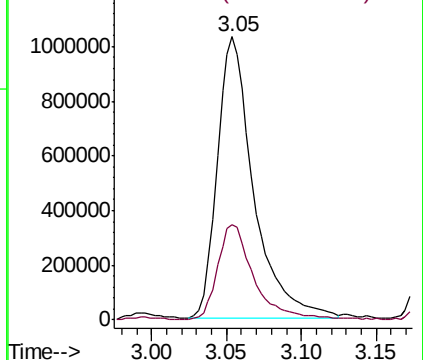
85 100

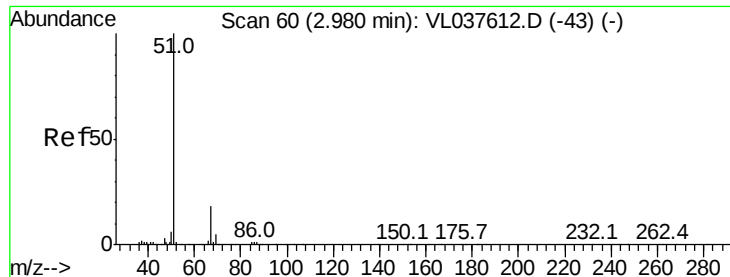
87 33.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.762 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

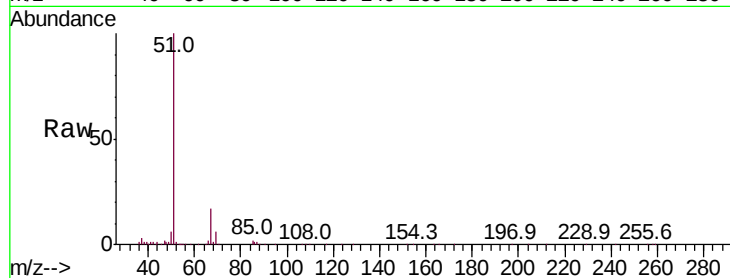
ClientSampleId :

Tot Ion: 51 Resp: 2714959

Ion Ratio Lower Upper

51 100

67 17.4 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

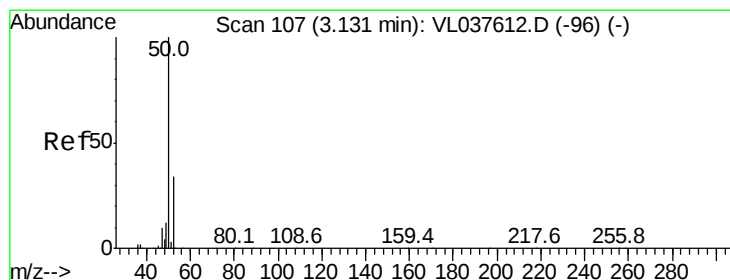
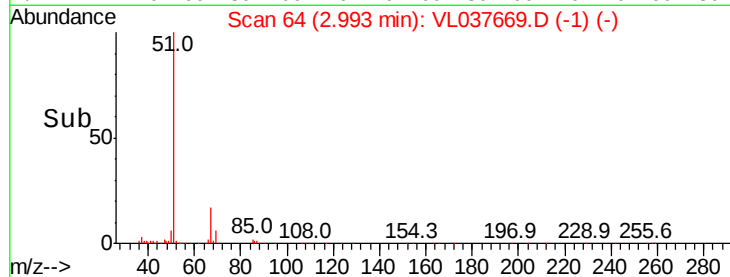
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500000

0

2.99

Time-->



#4

Chloromethane

Concen: 8.963 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037669.D

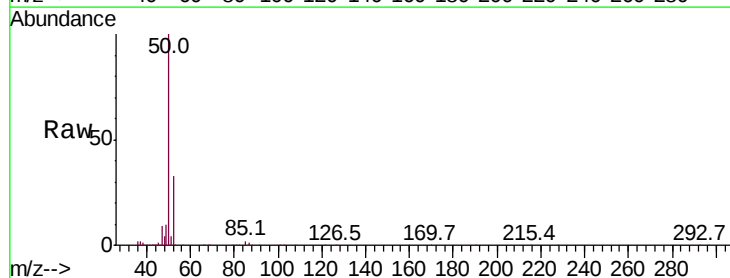
Acq: 23 Sep 2021 19:09

Tgt Ion: 50 Resp: 1026204

Ion Ratio Lower Upper

50 100

52 33.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

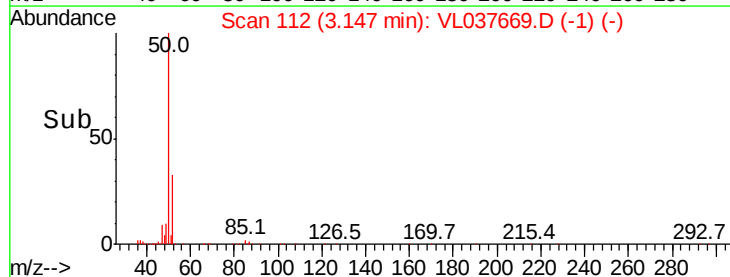
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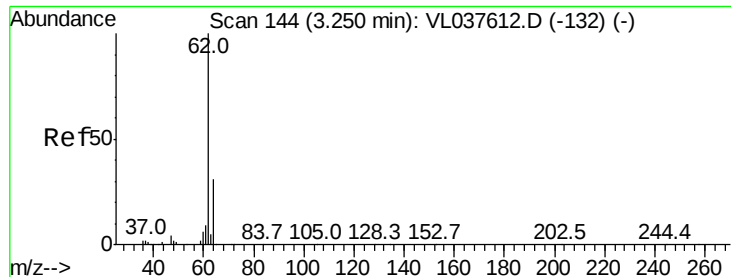
200000

0

3.15

Time-->





#5

Vinyl Chloride

Concen: 9.553 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

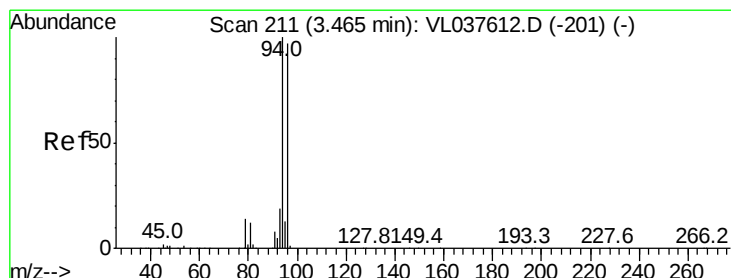
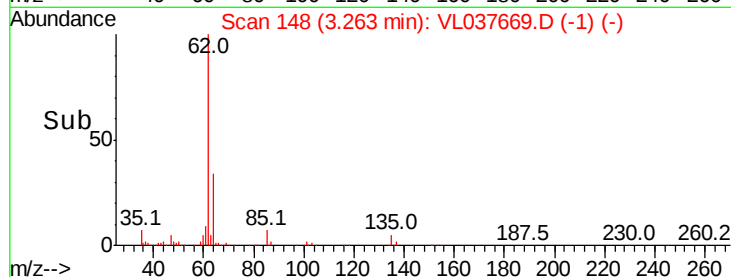
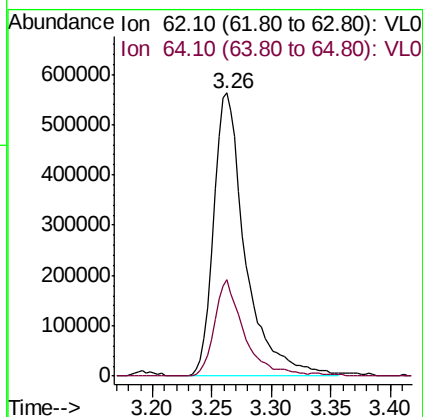
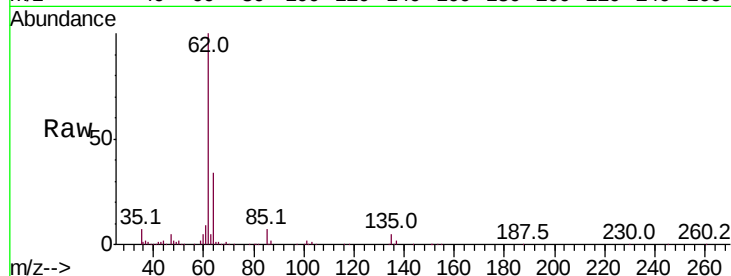
ClientSampleId :

Tot Ion: 62 Resp: 1027282

Ion Ratio Lower Upper

62 100

64 34.3 24.9 37.3



#6

Bromomethane

Concen: 9.345 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037669.D

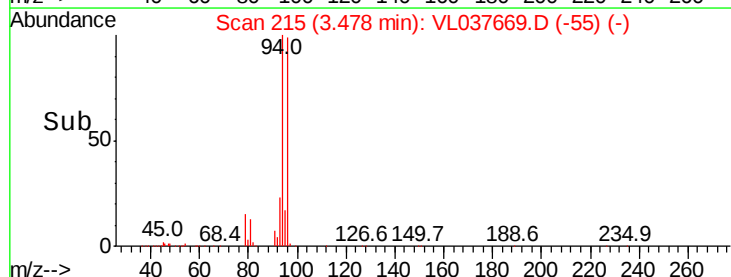
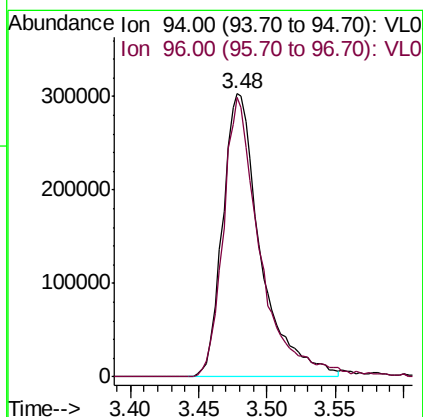
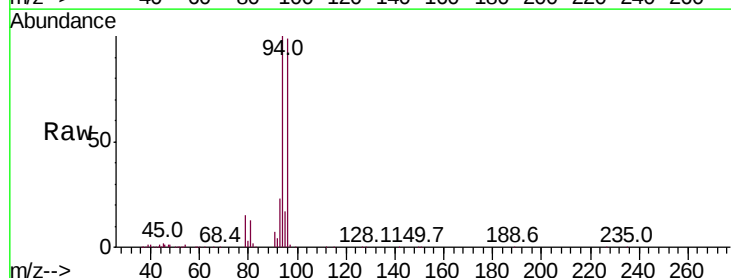
Acq: 23 Sep 2021 19:09

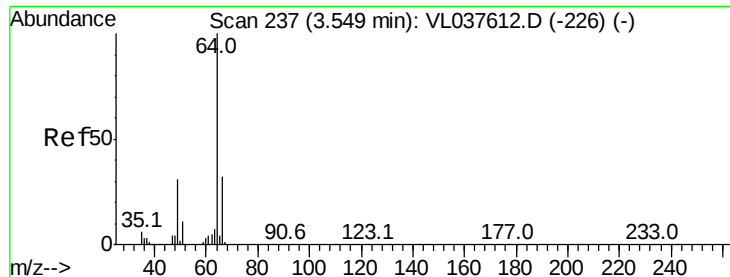
Tgt Ion: 94 Resp: 584109

Ion Ratio Lower Upper

94 100

96 98.8 77.3 115.9





#7

Chloroethane

Concen: 8.528 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

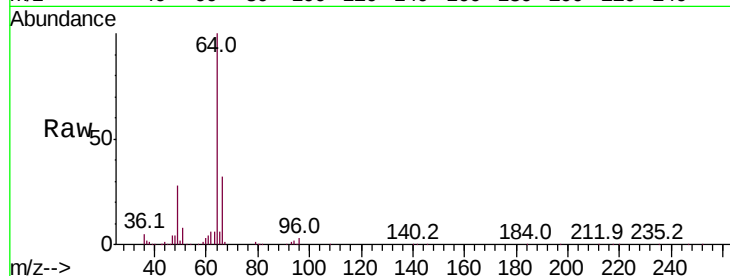
ClientSampleId :

Tot Ion: 64 Resp: 342725

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

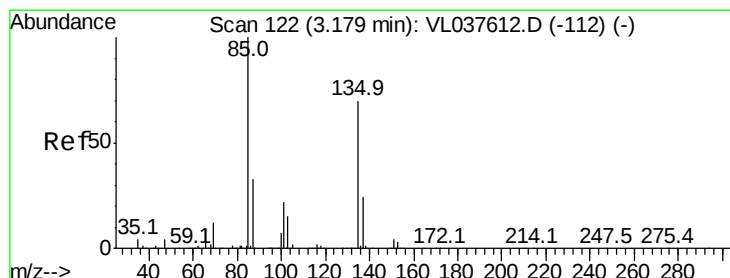
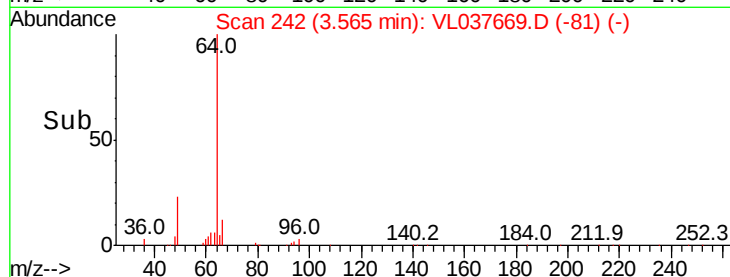
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50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.949 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL037669.D

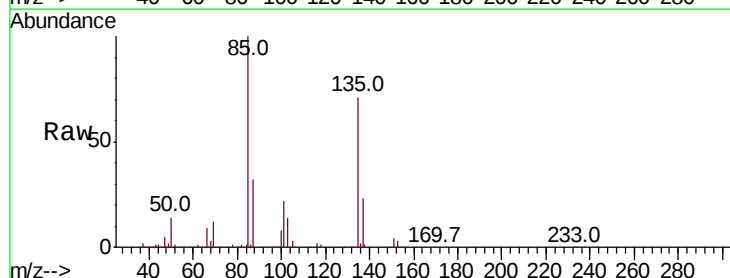
Acq: 23 Sep 2021 19:09

Tgt Ion: 85 Resp: 2294979

Ion Ratio Lower Upper

85 100

135 72.3 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

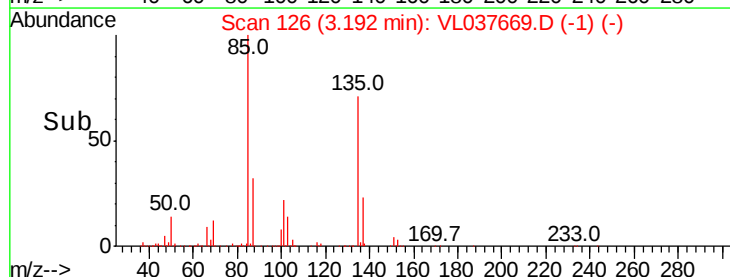
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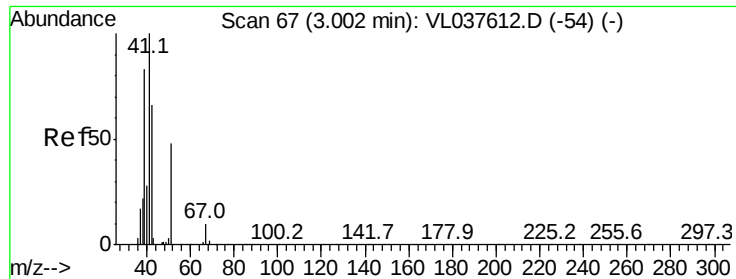
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500000

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Time-->





#9

Propene

Concen: 8.824 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

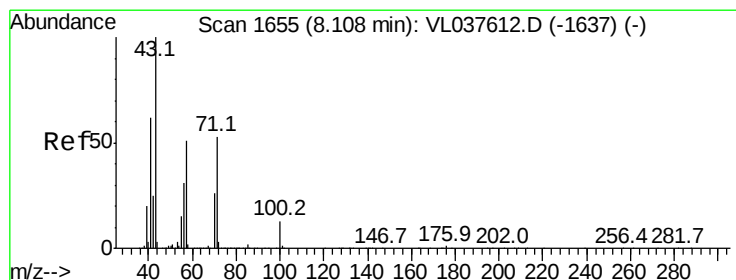
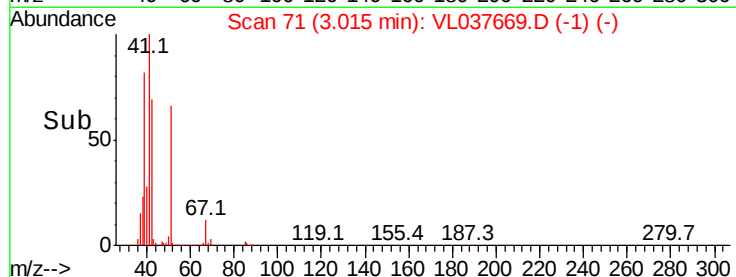
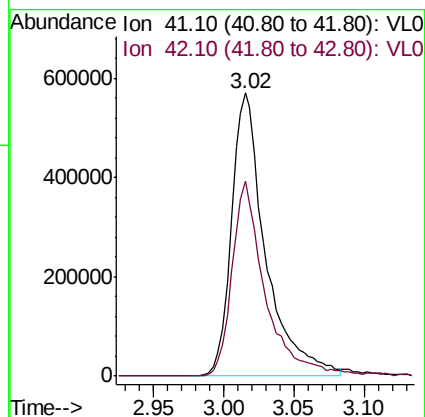
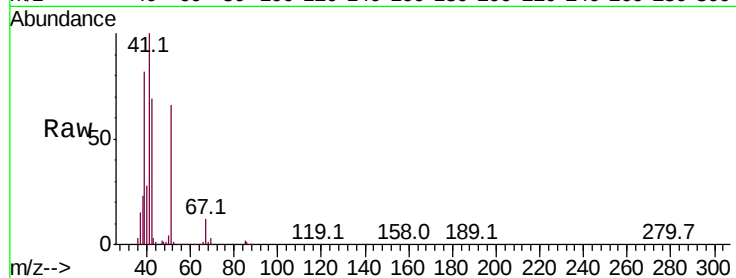
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 964547

Ion Ratio Lower Upper

41 100

42 68.3 57.2 85.8



#10

Heptane

Concen: 9.957 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.02 min

Lab File: VL037669.D

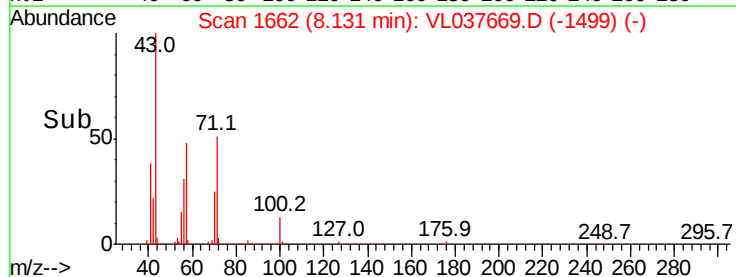
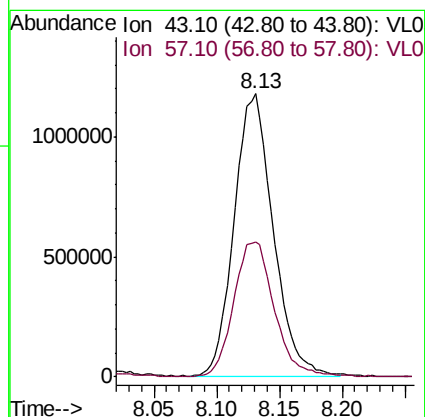
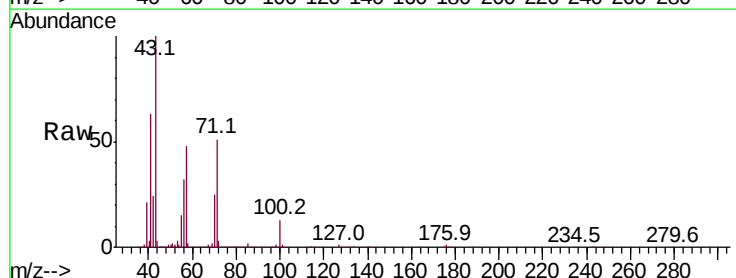
Acq: 23 Sep 2021 19:09

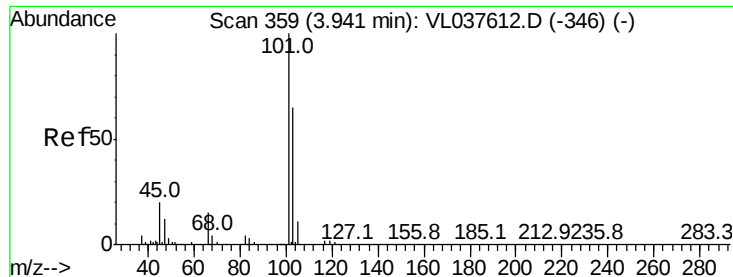
Tgt Ion: 43 Resp: 2539588

Ion Ratio Lower Upper

43 100

57 50.2 40.1 60.1

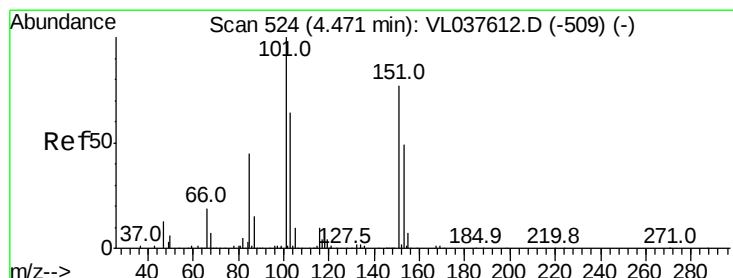
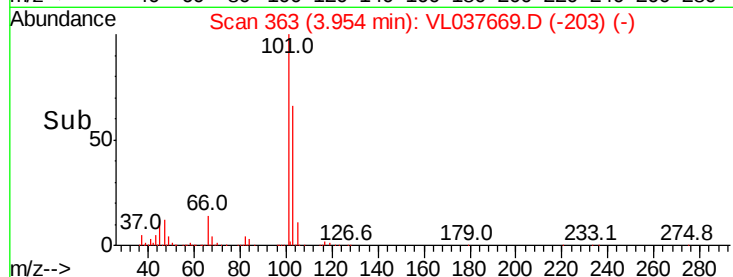
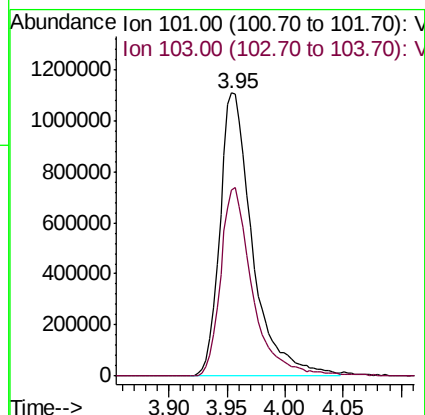
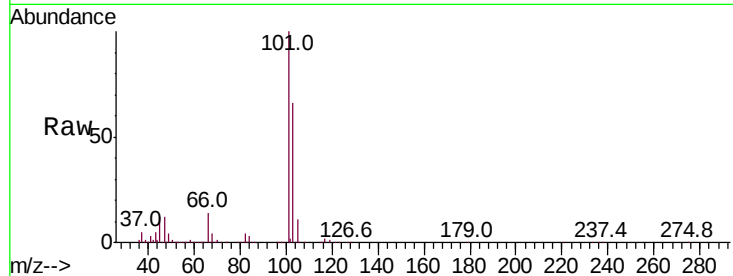




#11
 Trichlorofluoromethane
 Concen: 9.054 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

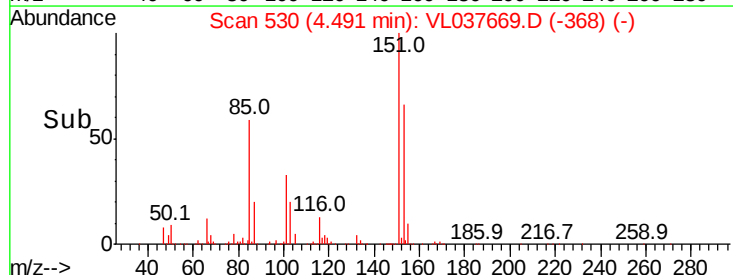
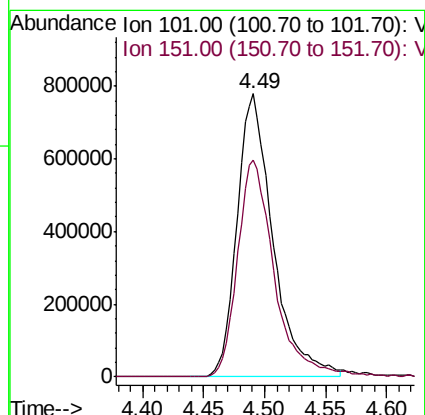
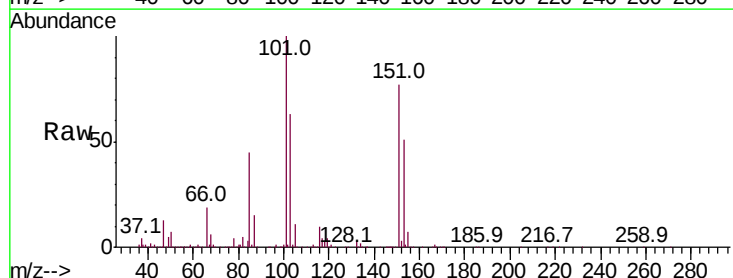
Instrument :
 MSVOA_L
 ClientSampleId :

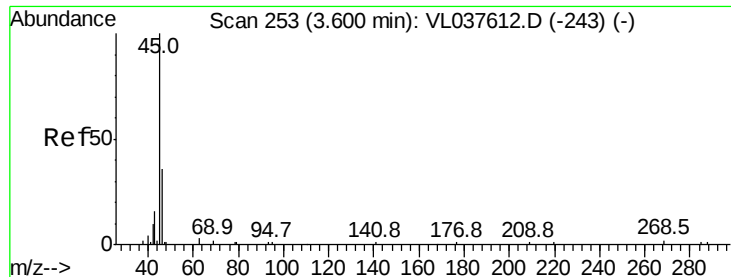
Tot Ion:101 Resp: 2160996
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.023 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion:101 Resp: 1589479
 Ion Ratio Lower Upper
 101 100
 151 79.1 63.5 95.3

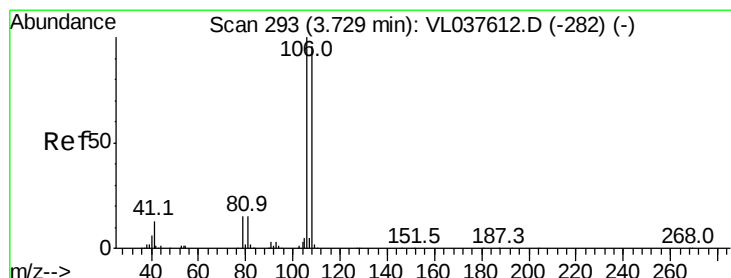
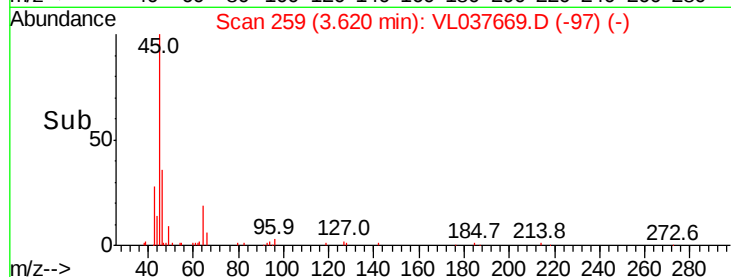
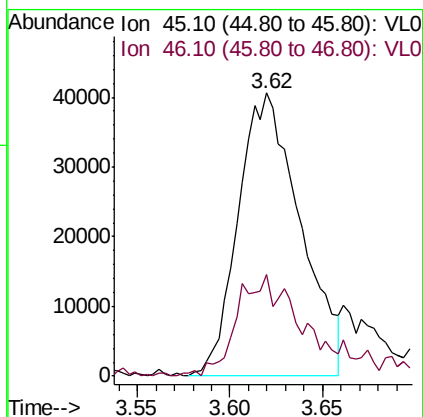
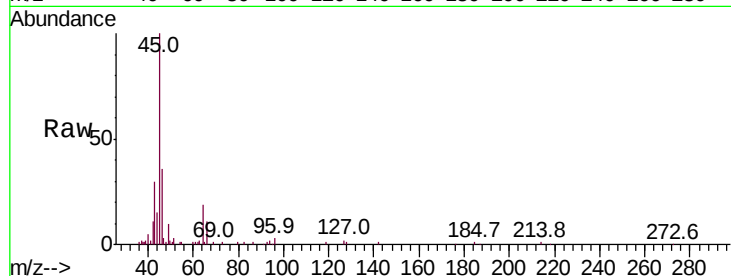




#13
Ethanol
Concen: 8.875 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

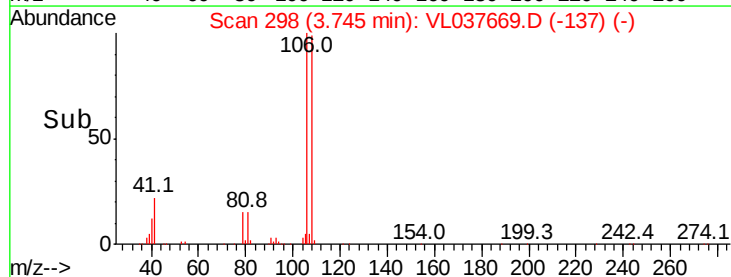
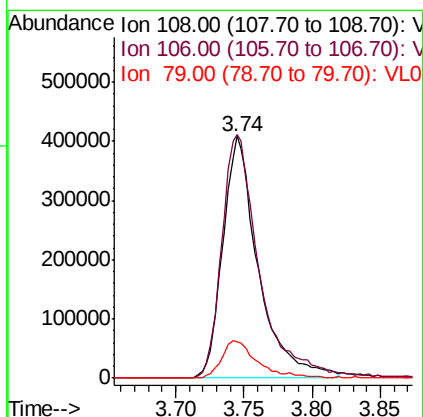
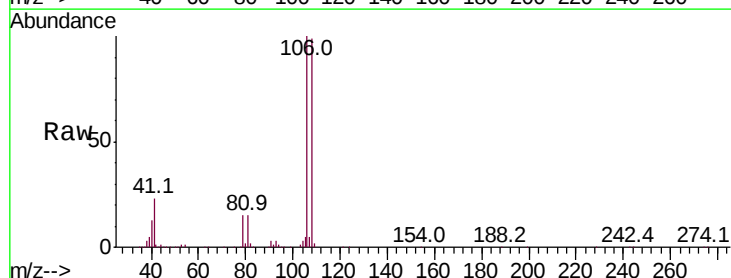
Instrument :
MSVOA_L
ClientSampleId :

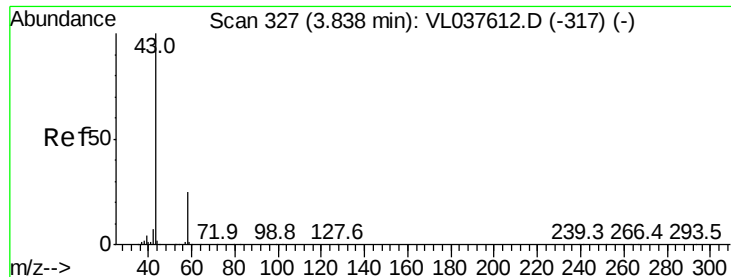
Tot Ion: 45 Resp: 94885
Ion Ratio Lower Upper
45 100
46 39.5 17.2 68.8



#14
Bromoethene
Concen: 9.193 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 108 Resp: 737164
Ion Ratio Lower Upper
108 100
106 108.0 88.2 132.4
79 16.3 12.8 19.2





#15

Acetone

Concen: 7.179 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

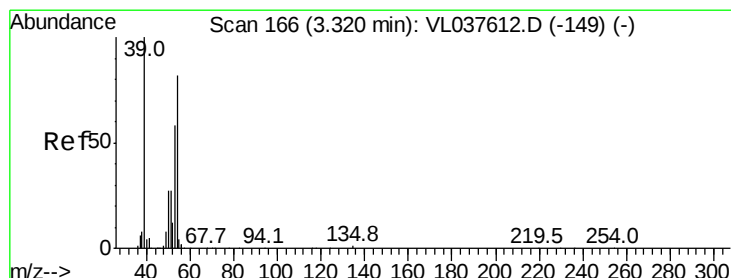
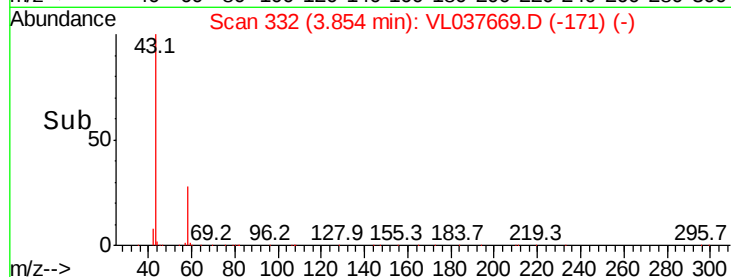
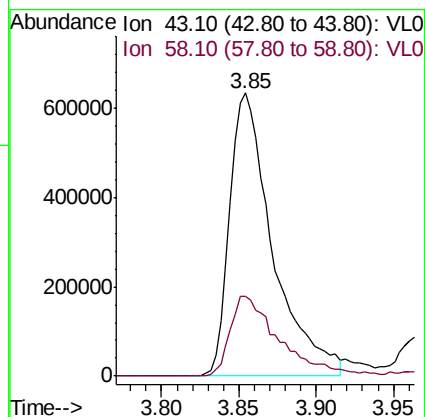
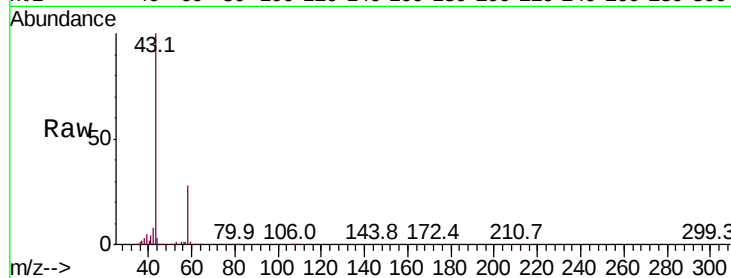
ClientSampleId :

Tot Ion: 43 Resp: 1225352

Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3



#16

1,3-Butadiene

Concen: 9.391 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL037669.D

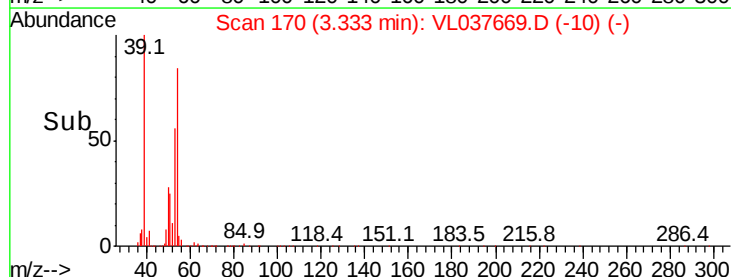
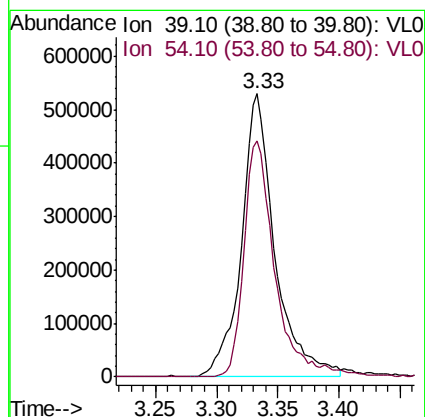
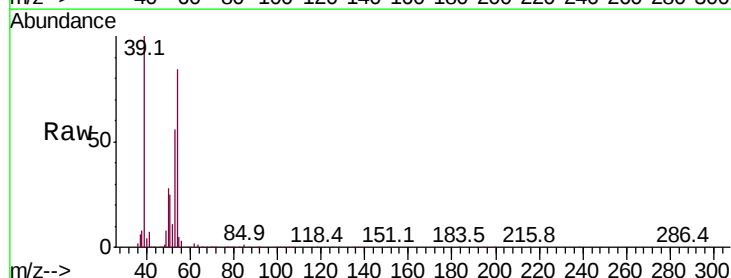
Acq: 23 Sep 2021 19:09

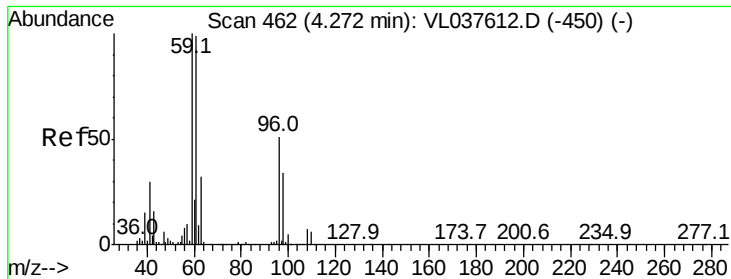
Tgt Ion: 39 Resp: 1001626

Ion Ratio Lower Upper

39 100

54 78.1 62.6 93.8



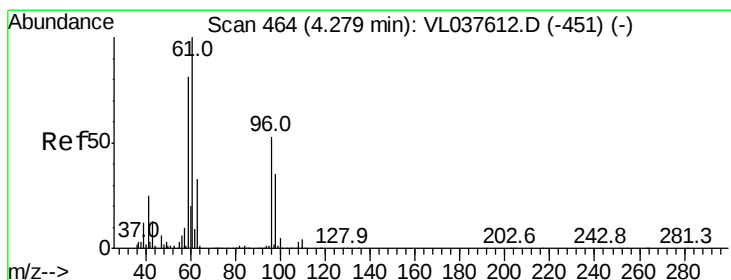
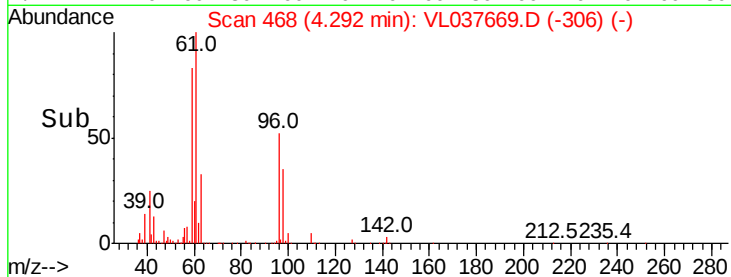
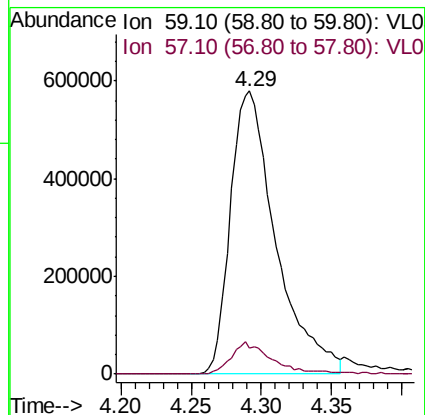
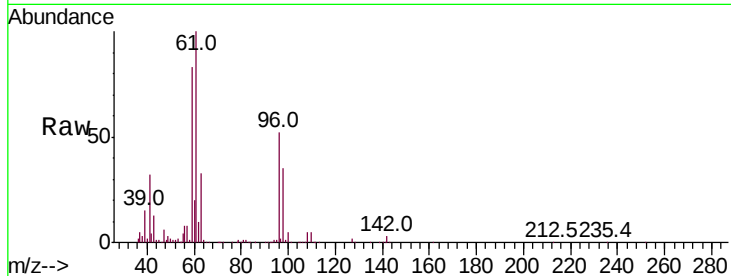


#17

tert-Butyl alcohol
Concen: 9.038 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :

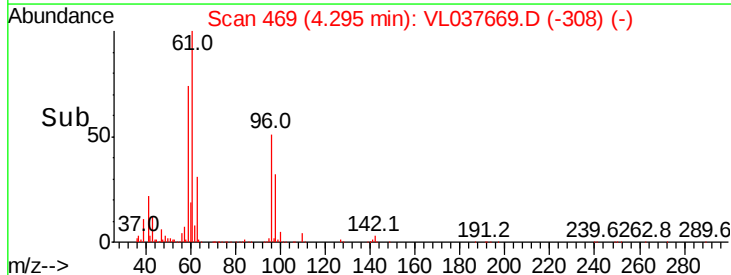
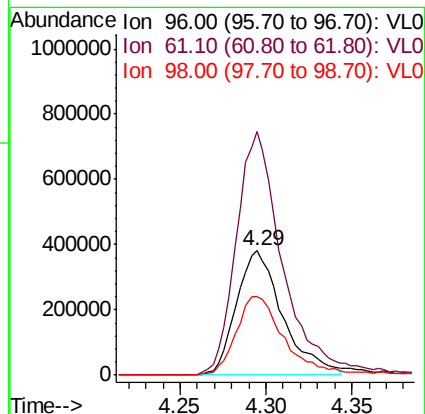
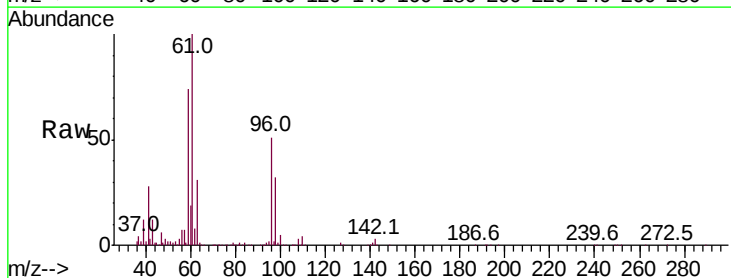
Tot Ion: 59 Resp: 1308191
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

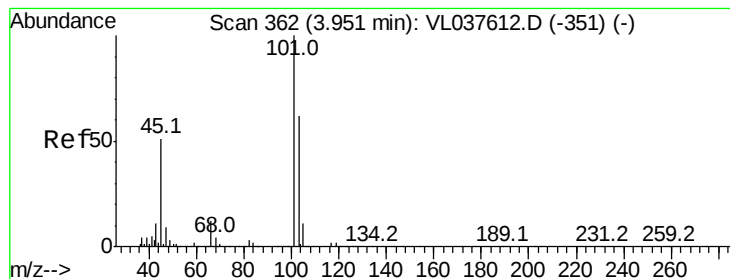


#18

1,1-Dichloroethene
Concen: 8.683 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 96 Resp: 712610
Ion Ratio Lower Upper
96 100
61 195.8 150.4 225.6
98 63.6 52.1 78.1





#19

Isopropyl Alcohol

Concen: 8.016 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

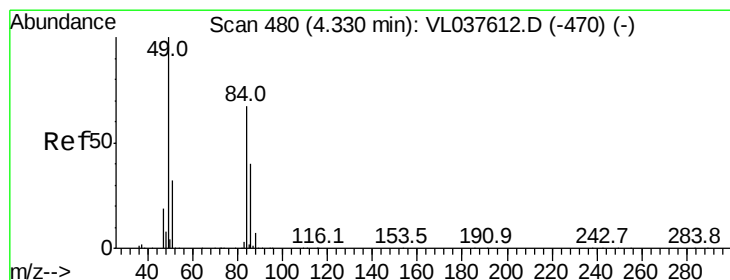
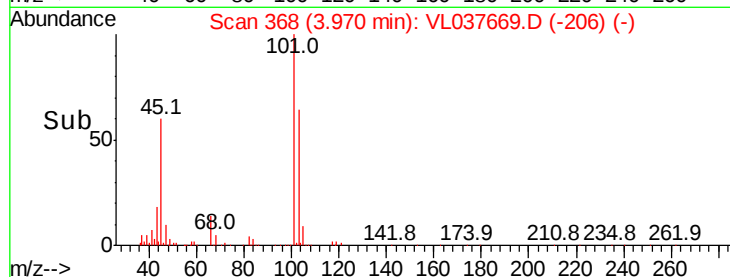
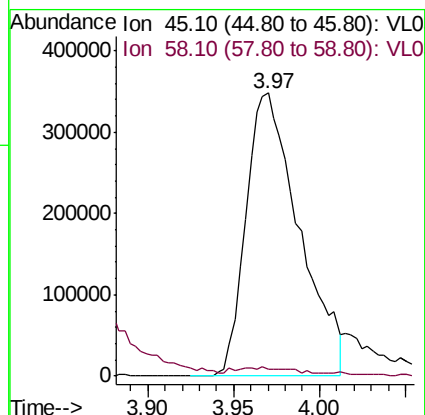
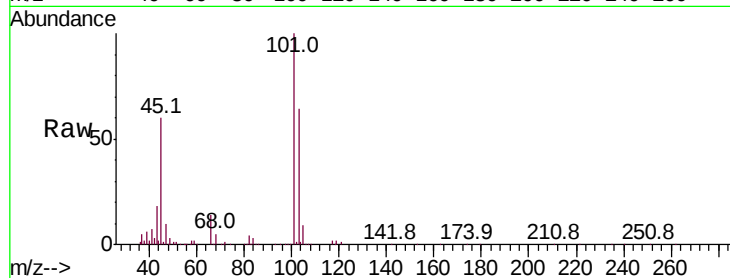
ClientSampleId :

Tot Ion: 45 Resp: 744498

Ion Ratio Lower Upper

45 100

58 4.9 2.9 4.3#



#20

Methylene Chloride

Concen: 7.385 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion: 84 Resp: 601784

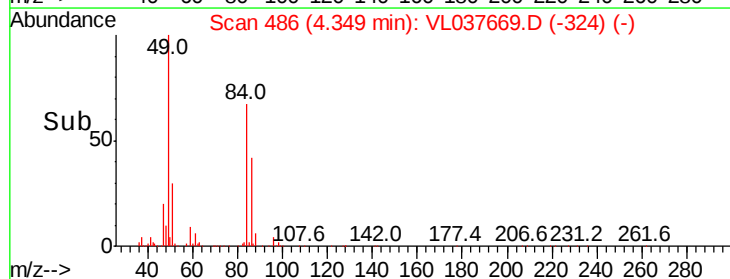
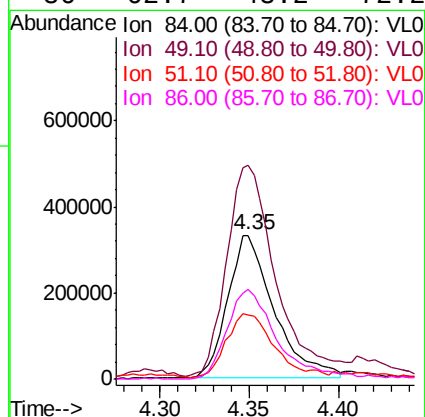
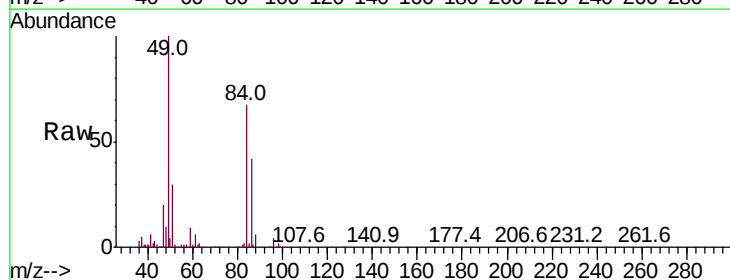
Ion Ratio Lower Upper

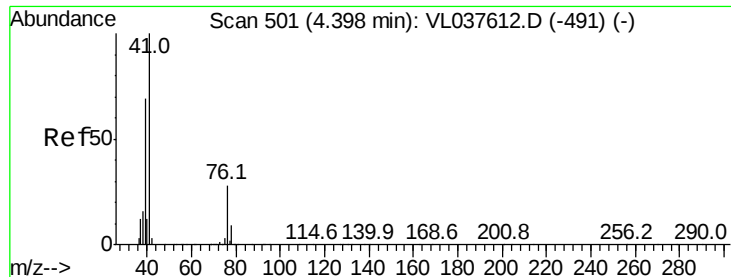
84 100

49 146.3 120.0 180.0

51 43.1 38.0 57.0

86 62.7 48.2 72.2

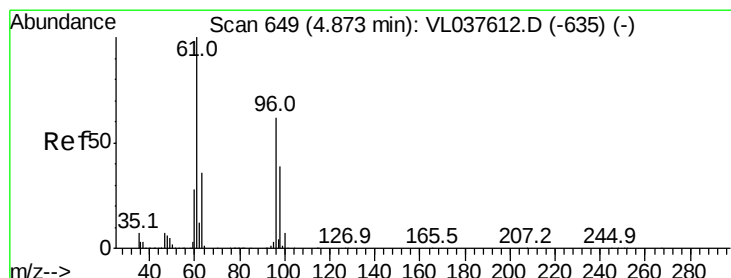
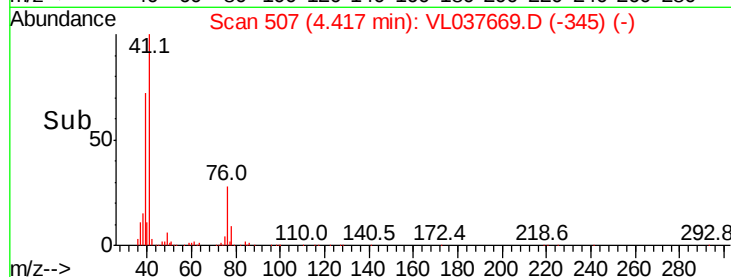
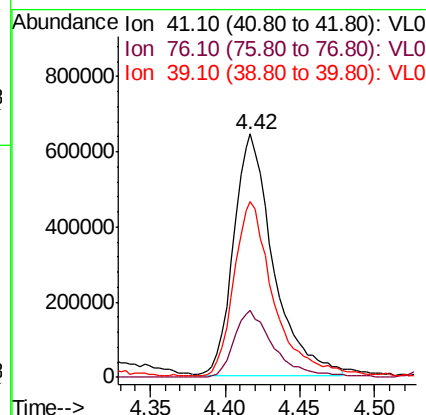
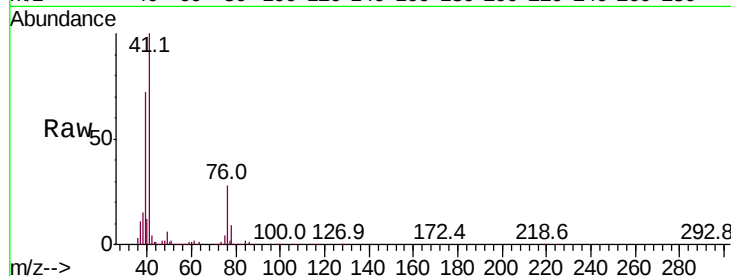




#21
Allvl Chloride
Concen: 9.355 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

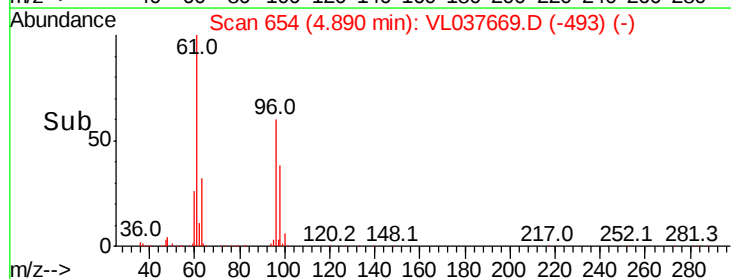
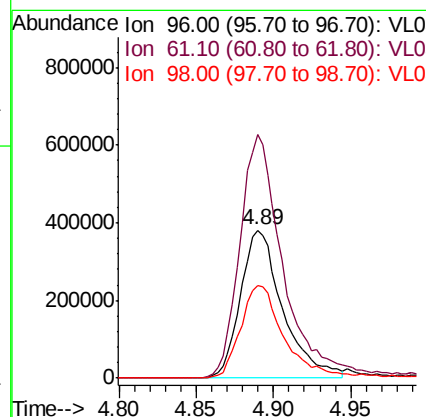
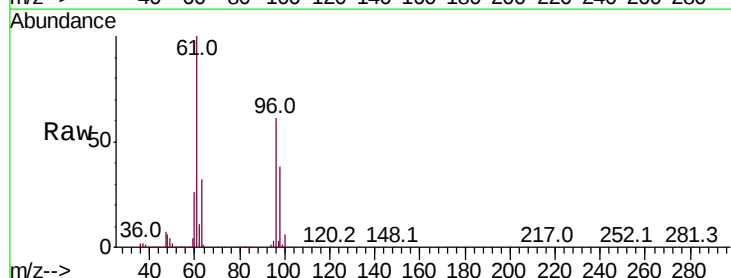
Instrument :
MSVOA_L
ClientSampleId :

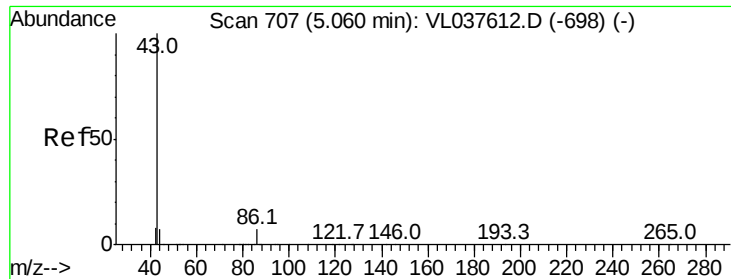
Tot Ion: 41 Resp: 1192909
Ion Ratio Lower Upper
41 100
76 28.0 23.1 34.7
39 72.6 61.0 91.6



#22
trans-1,2-Dichloroethene
Concen: 8.771 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 96 Resp: 724214
Ion Ratio Lower Upper
96 100
61 164.9 129.2 193.8
98 62.9 50.4 75.6



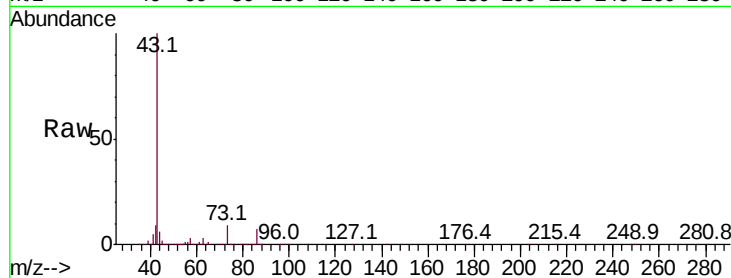


#23
 Vinyl Acetate
 Concen: 10.268 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

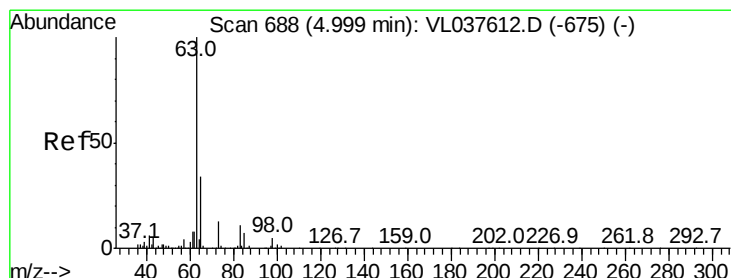
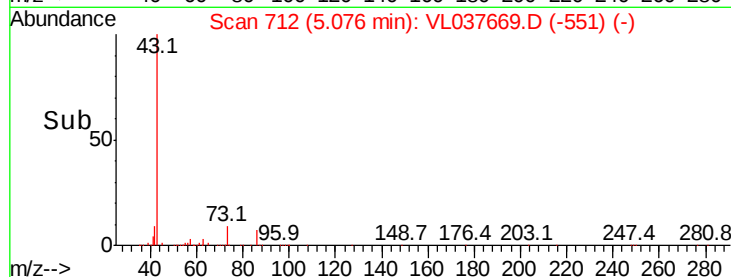
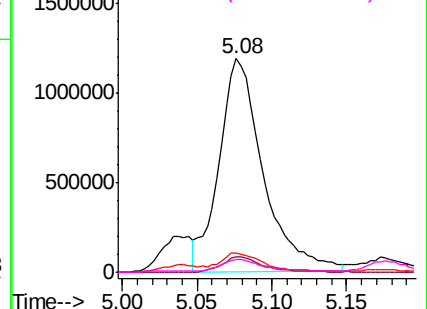
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2425180

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.0	7.6
42	9.1	7.5	11.3
44	5.6	4.7	7.1



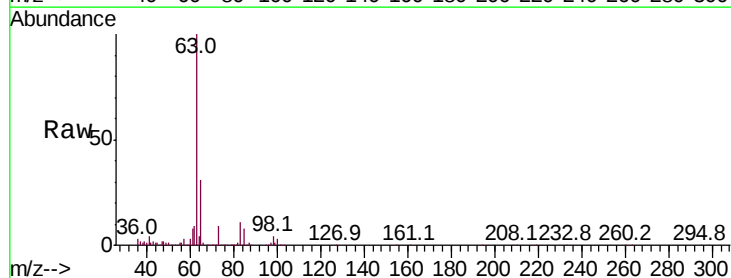
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



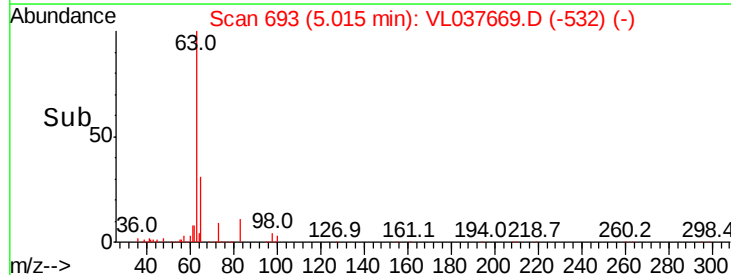
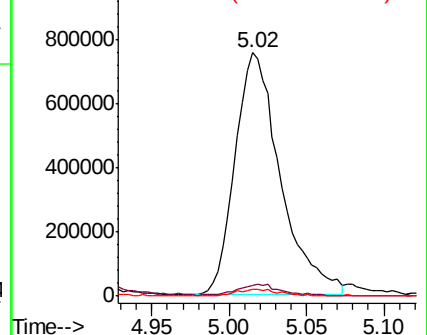
#24
 1,1-Dichloroethane
 Concen: 9.118 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

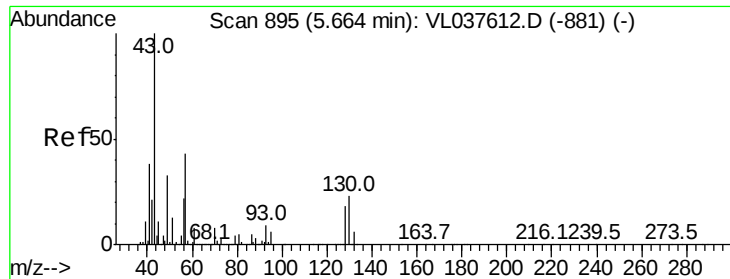
Tgt Ion: 63 Resp: 1542783

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.2
100	2.8	1.1	3.5



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

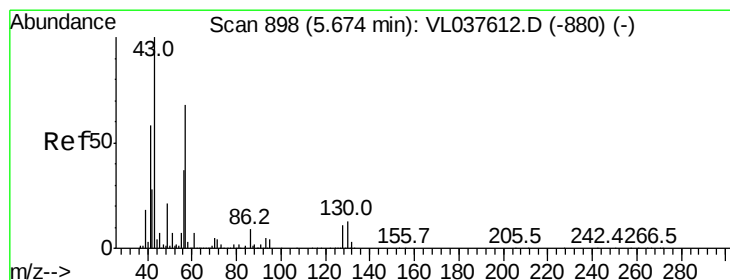
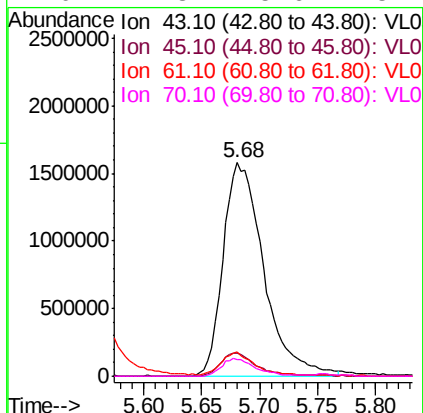
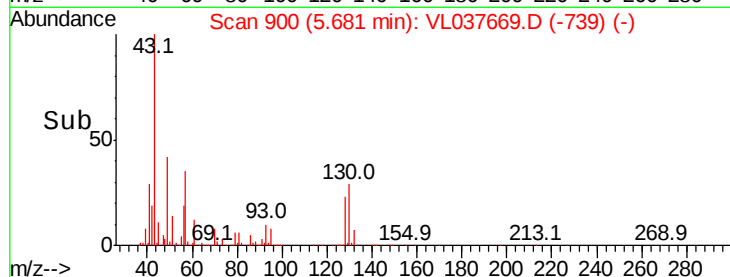
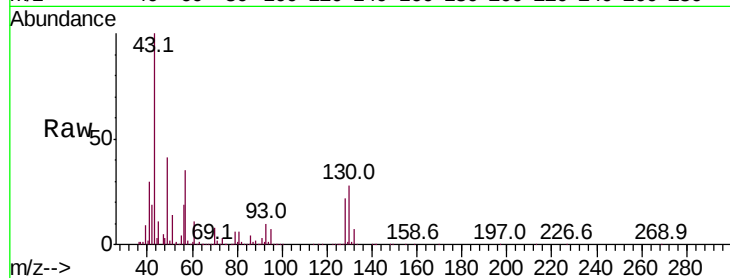




#25
Ethyl Acetate
Concen: 9.263 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

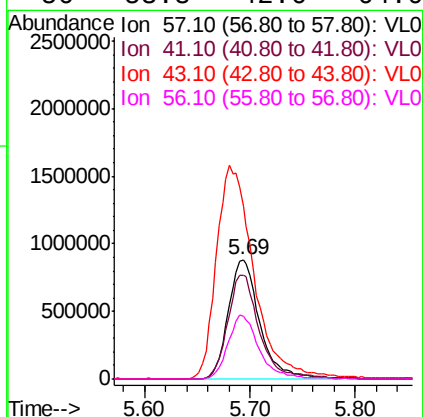
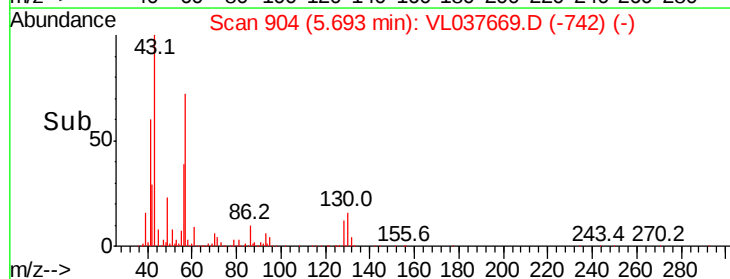
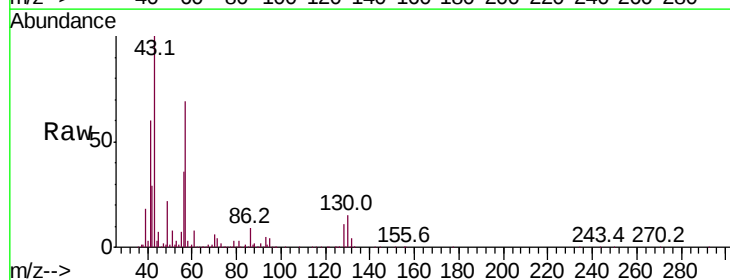
Instrument :
MSVOA_L
ClientSampleId :

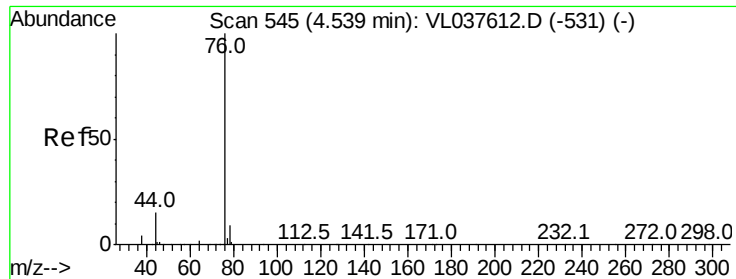
Tot Ion: 43 Resp: 3829136
Ion Ratio Lower Upper
43 100
45 10.0 8.0 12.0
61 9.3 7.5 11.3
70 7.3 5.6 8.4



#26
Hexane
Concen: 9.285 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 57 Resp: 1823372
Ion Ratio Lower Upper
57 100
41 89.0 70.9 106.3
43 214.0 170.4 255.6
56 53.8 42.6 64.0





#27

Carbon Disulfide

Concen: 9.765 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

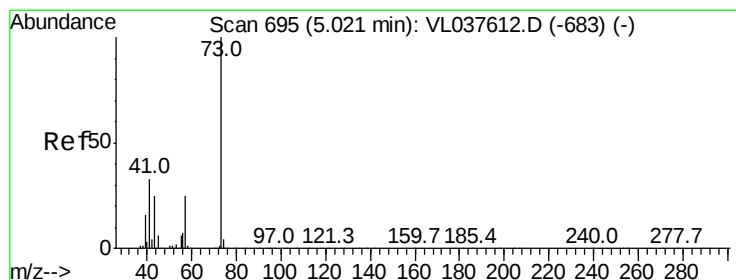
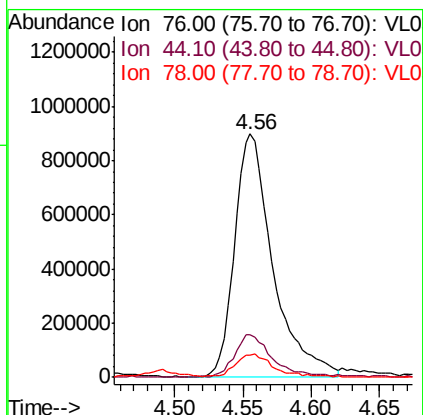
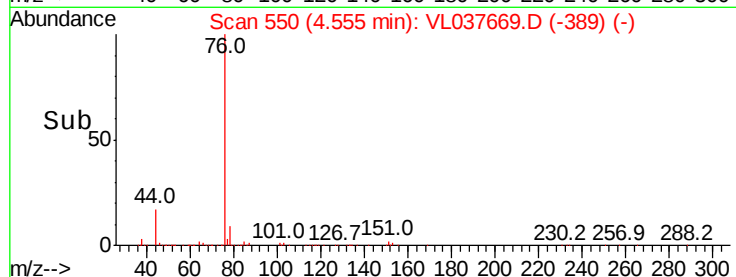
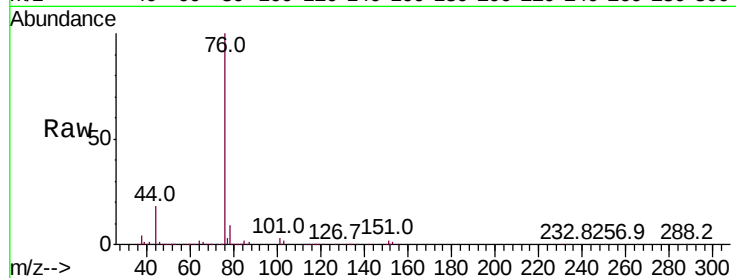
Tot Ion: 76 Resp: 1754260

Ion Ratio Lower Upper

76 100

44 17.3 14.2 21.2

78 10.0 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 10.071 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL037669.D

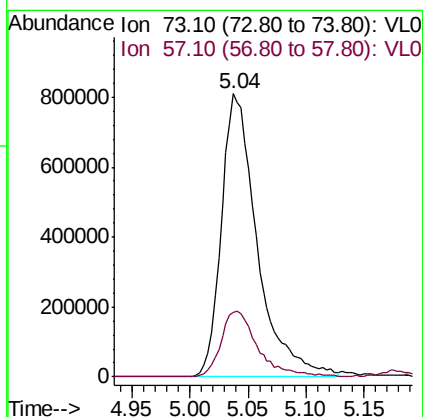
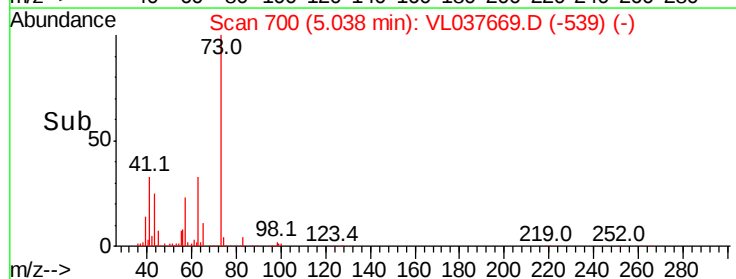
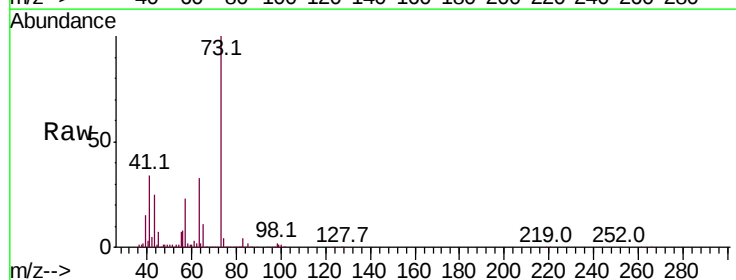
Acq: 23 Sep 2021 19:09

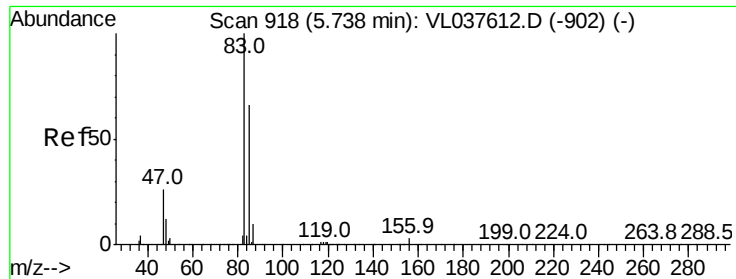
Tgt Ion: 73 Resp: 1742008

Ion Ratio Lower Upper

73 100

57 24.0 20.1 30.1

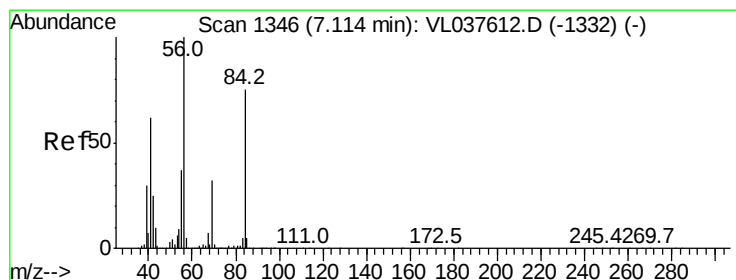
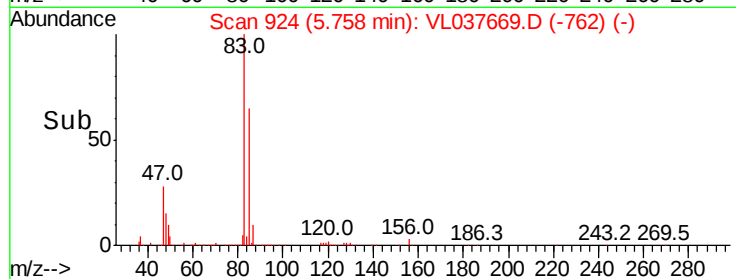
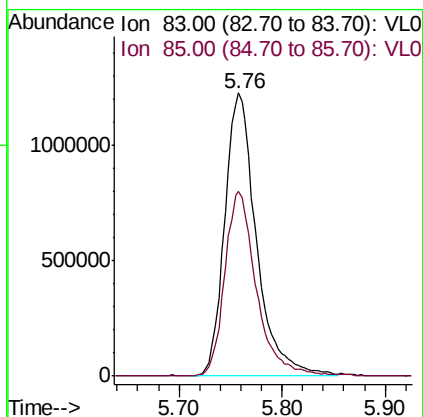
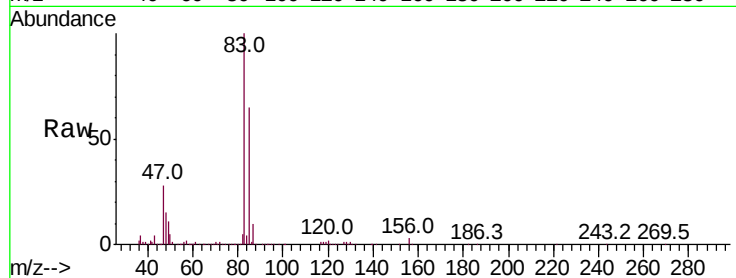




#29
Chloroform
Concen: 9.189 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

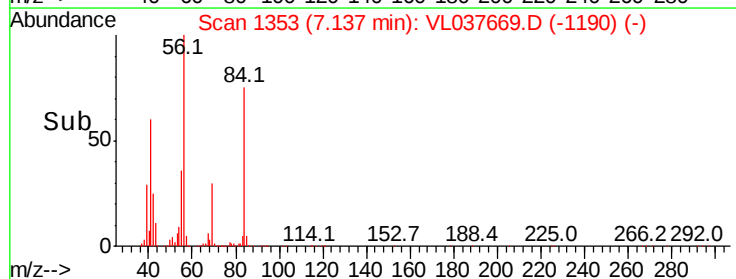
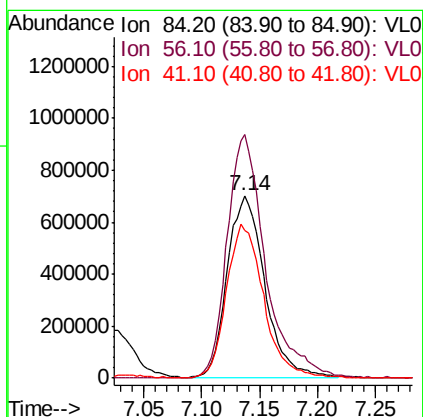
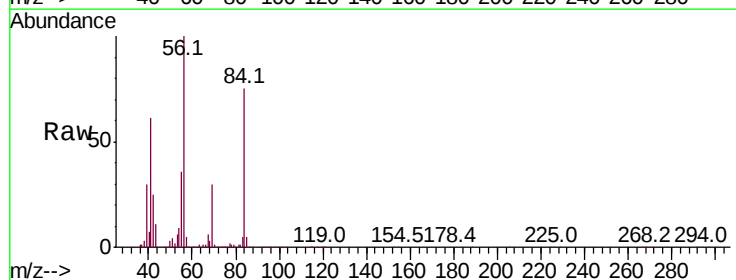
Instrument :
MSVOA_L
ClientSampleId :

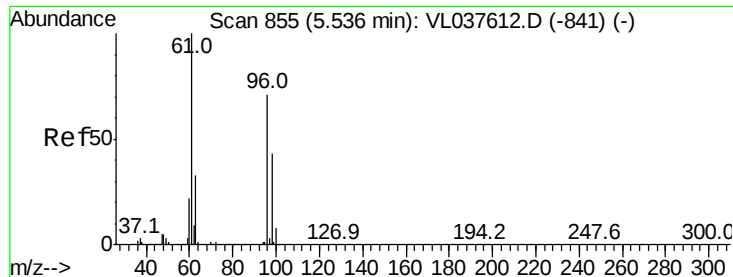
Tot Ion: 83 Resp: 2634890
Ion Ratio Lower Upper
83 100
85 65.3 52.6 79.0



#30
Cyclohexane
Concen: 9.344 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 84 Resp: 1569392
Ion Ratio Lower Upper
84 100
56 138.2 113.6 170.4
41 84.1 67.9 101.9



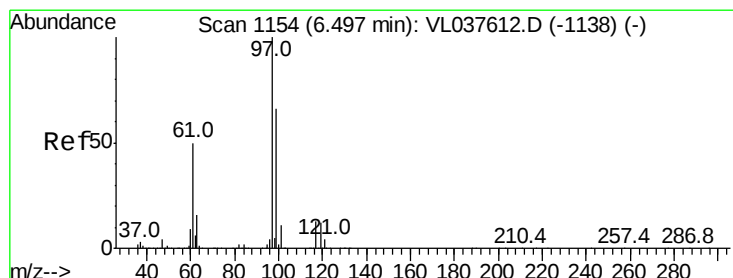
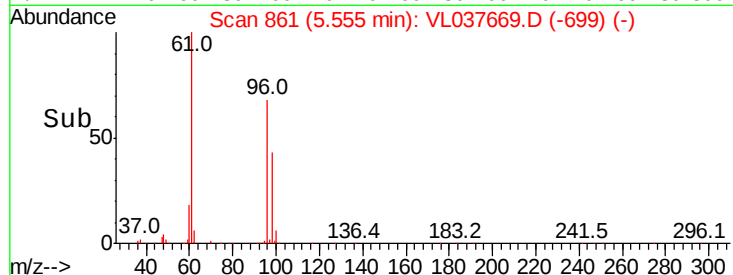
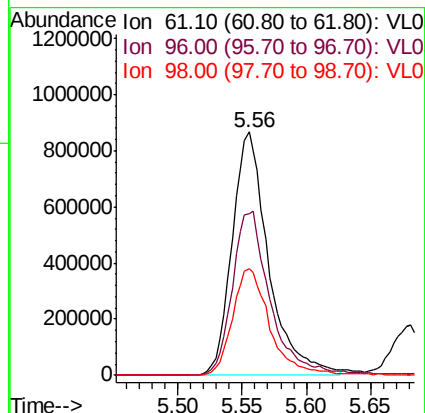
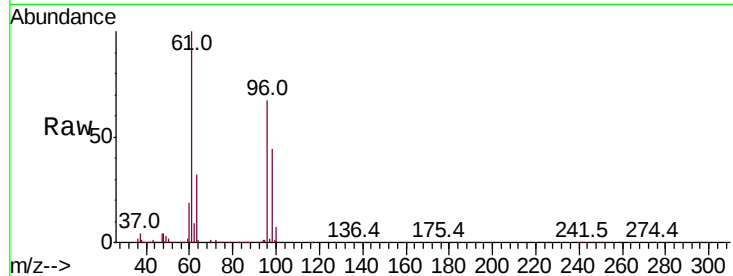


#31

cis-1,2-Dichloroethene
 Concen: 9.534 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :

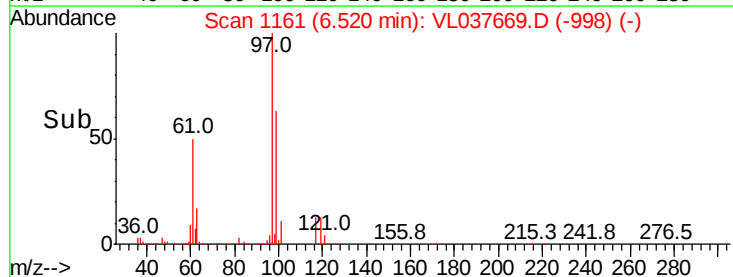
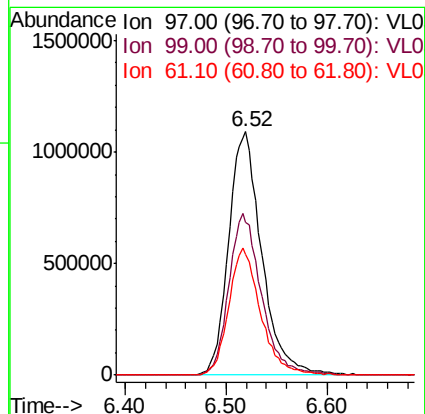
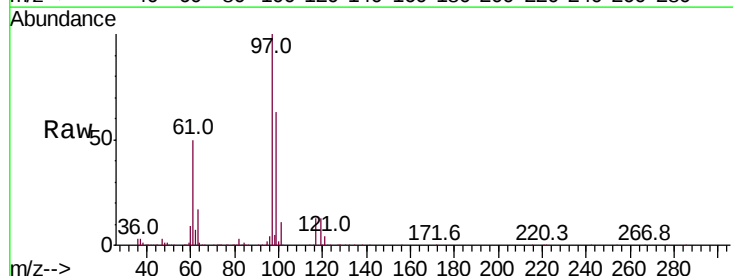
Tot Ion: 61 Resp: 1699681
 Ion Ratio Lower Upper
 61 100
 96 66.6 56.7 85.1
 98 44.1 34.6 52.0

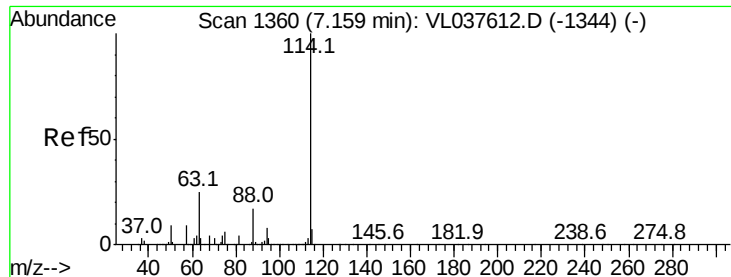


#32

1,1,1-Trichloroethane
 Concen: 9.318 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 97 Resp: 2487654
 Ion Ratio Lower Upper
 97 100
 99 65.7 52.3 78.5
 61 50.5 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.02 min

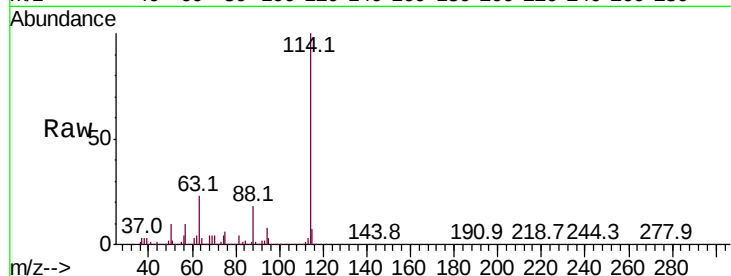
Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 4886205

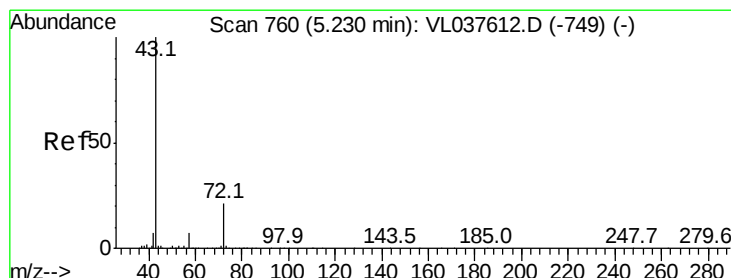
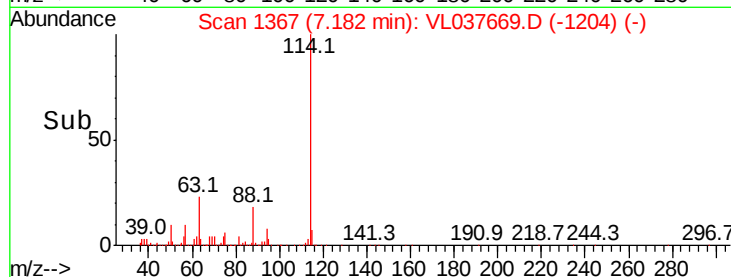
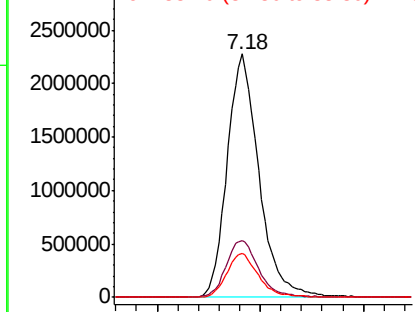
Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	18.0	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.713 ppbv

RT: 5.25 min Scan# 766

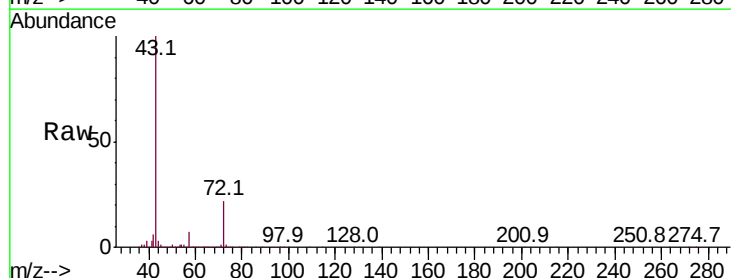
Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

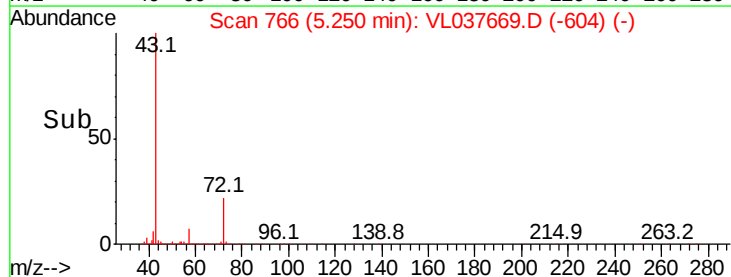
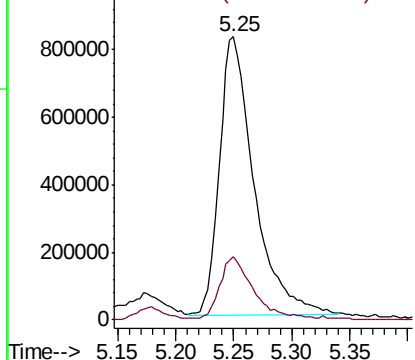
Tgt Ion: 43 Resp: 1730043

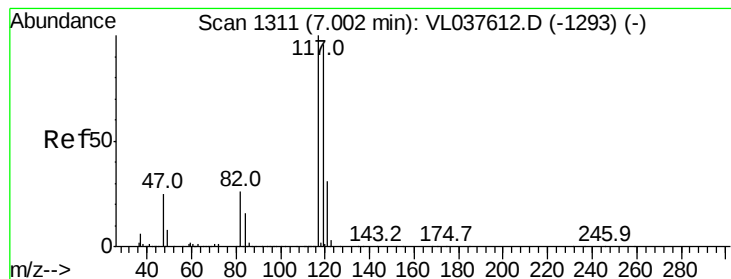
Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.4	27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.458 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

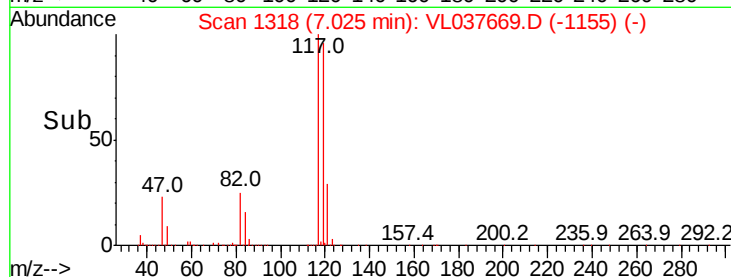
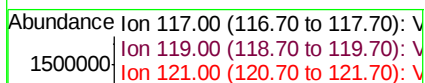
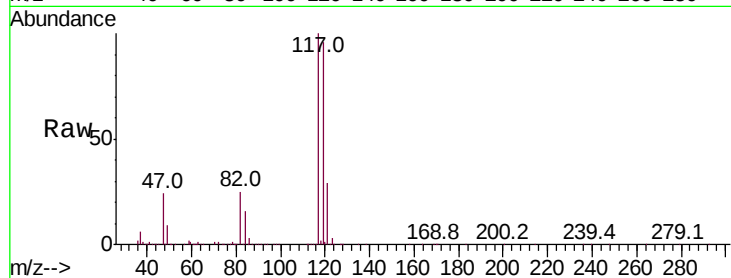
Tot Ion:117 Resp: 2614168

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.6
121	29.4	24.5	36.7

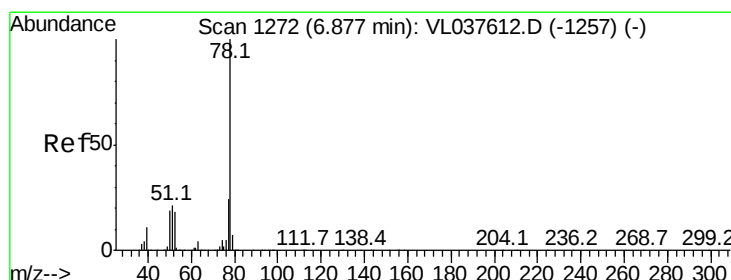
117 100

119 95.6 77.0 115.6

121 29.4 24.5 36.7



Time-->



#36

Benzene

Concen: 9.381 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

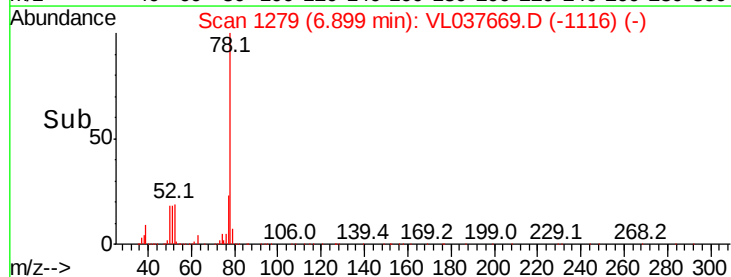
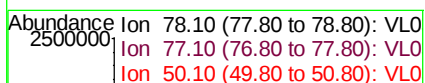
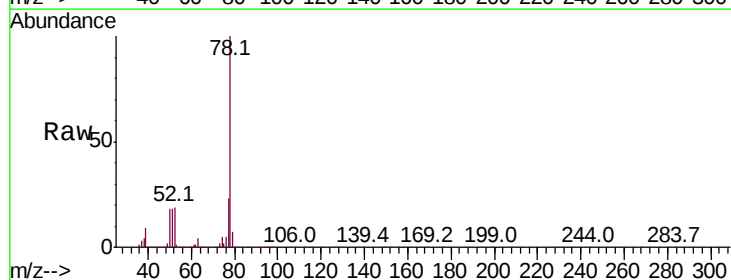
Tgt Ion: 78 Resp: 3822196

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4
50	17.6	14.8	22.2

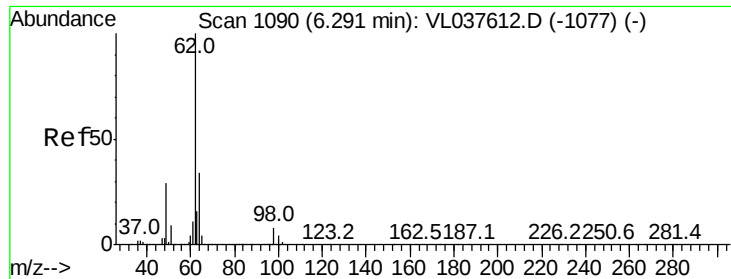
78 100

77 23.0 19.0 28.4

50 17.6 14.8 22.2



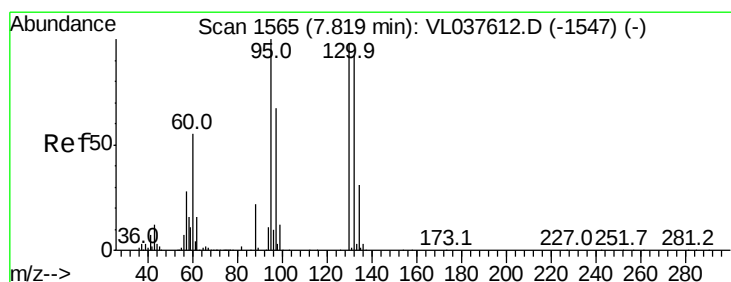
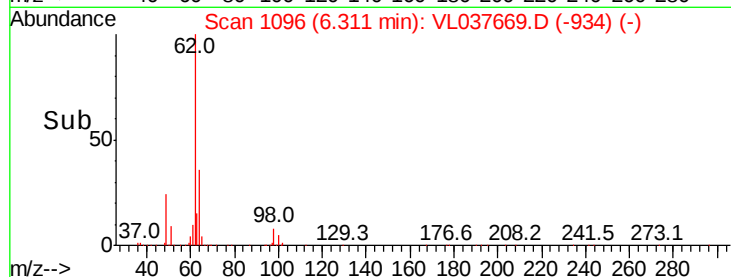
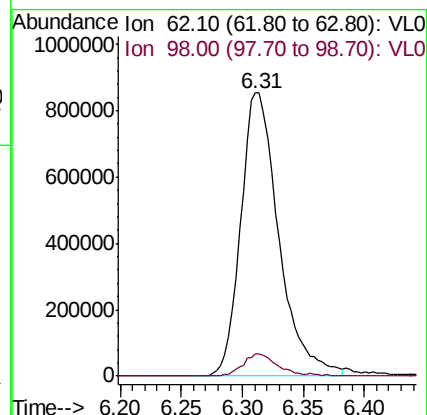
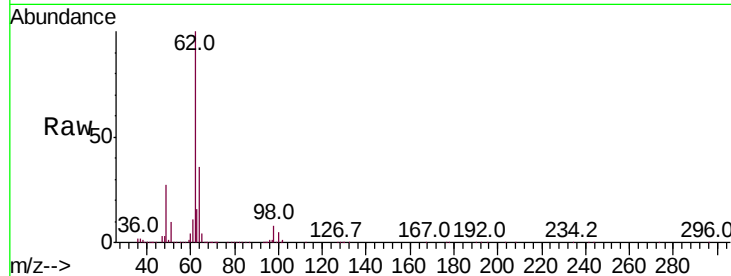
Time-->



#37
1,2-Dichloroethane
Concen: 9.192 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

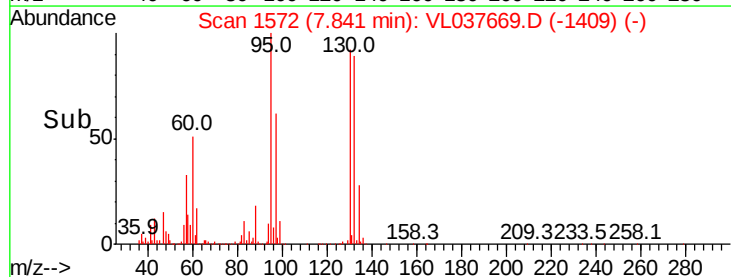
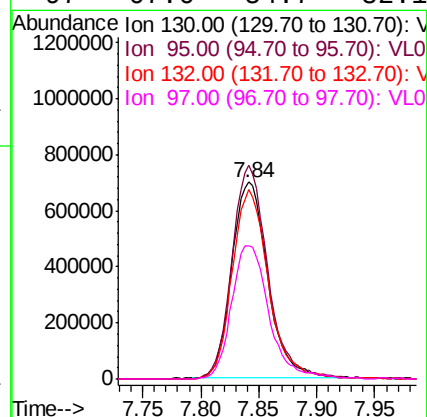
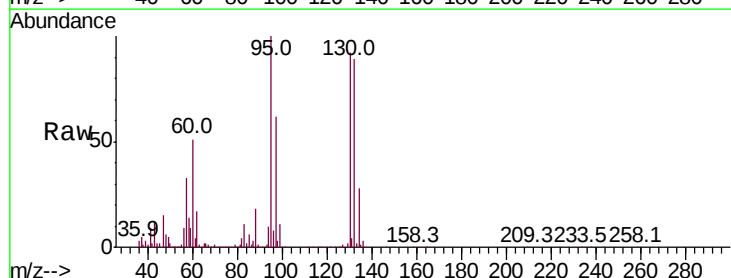
Instrument :
MSVOA_L
ClientSampleId :

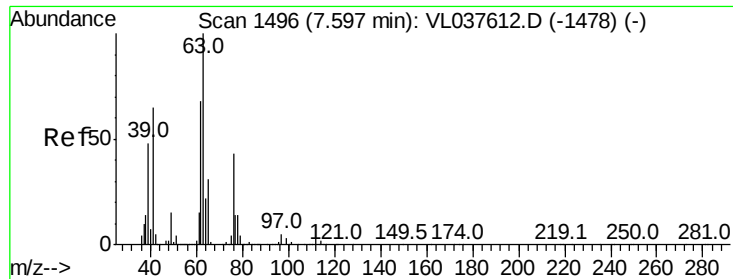
Tot Ion: 62 Resp: 1841893
Ion Ratio Lower Upper
62 100
98 7.8 6.1 9.1



#38
Trichloroethene
Concen: 8.896 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion:130 Resp: 1514187
Ion Ratio Lower Upper
130 100
95 109.0 81.8 122.6
132 96.5 75.3 112.9
97 67.6 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.266 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

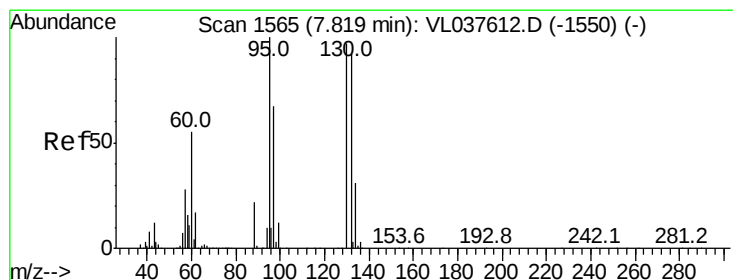
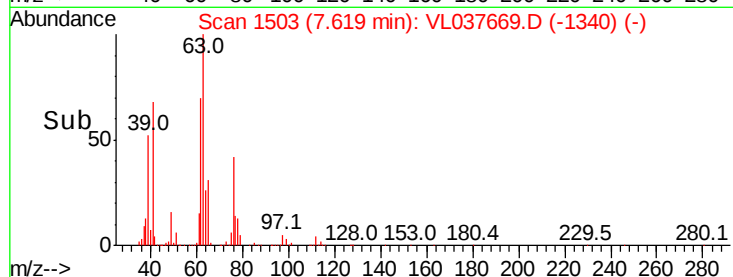
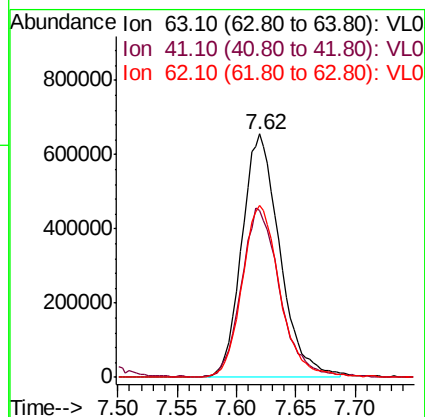
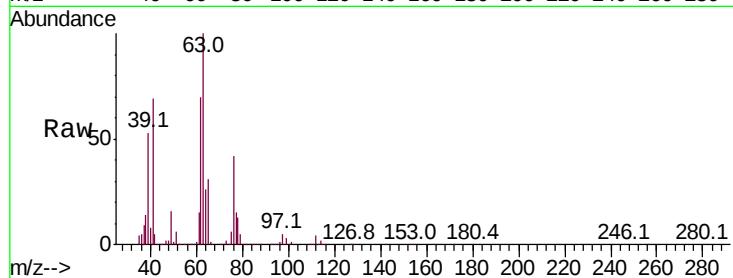
Tot Ion: 63 Resp: 1446003

Ion Ratio Lower Upper

63 100

41 68.4 51.6 77.4

62 70.3 54.6 81.8



#40

1,4-Dioxane

Concen: 8.741 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion: 88 Resp: 331804

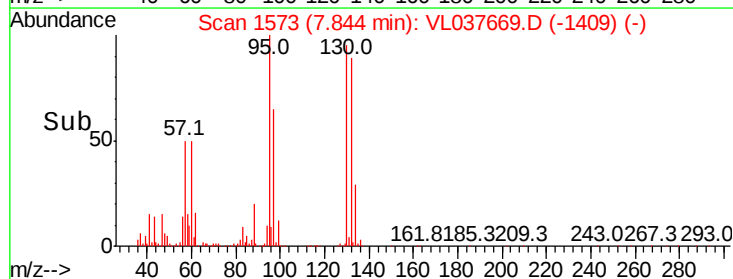
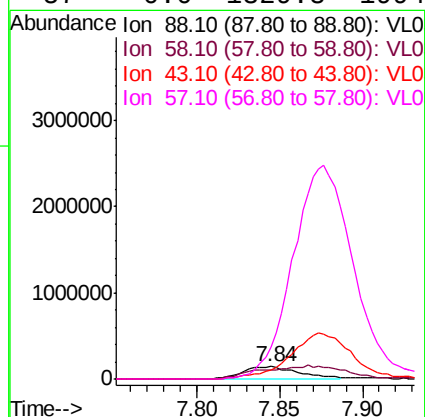
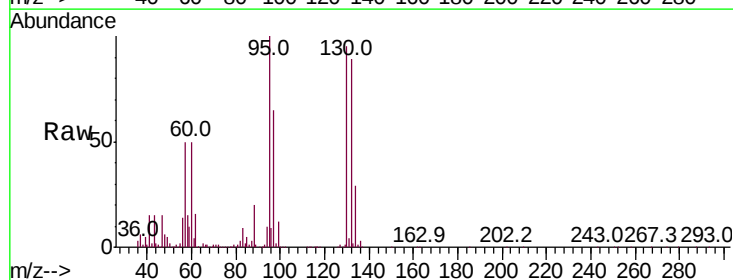
Ion Ratio Lower Upper

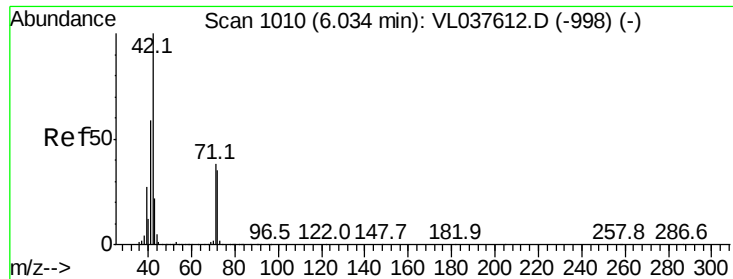
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





#41

Tetrahydrofuran

Concen: 9.307 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

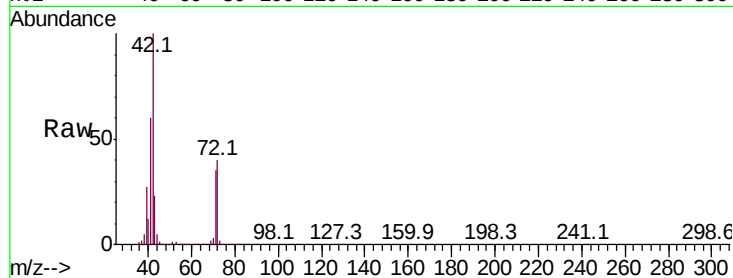
Tot Ion: 42 Resp: 868744

Ion Ratio Lower Upper

42 100

72 39.2 31.4 47.2

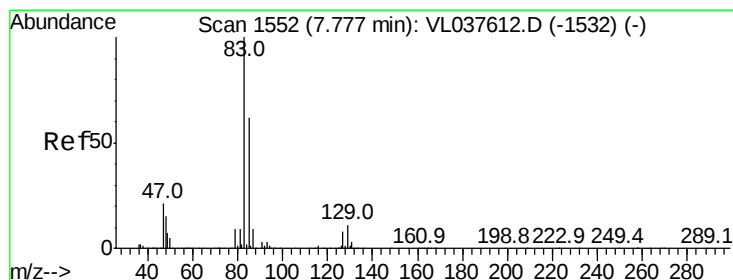
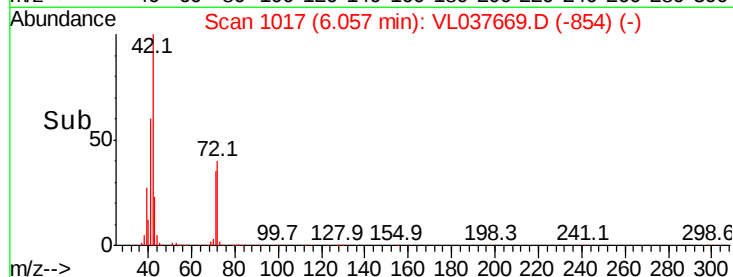
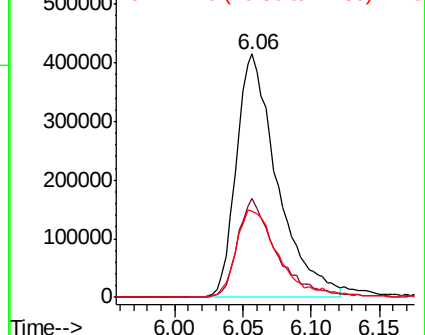
71 37.7 30.6 46.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.635 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

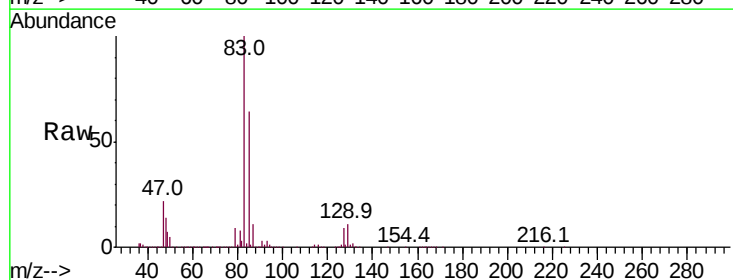
Tgt Ion: 83 Resp: 2767148

Ion Ratio Lower Upper

83 100

85 64.4 49.8 74.6

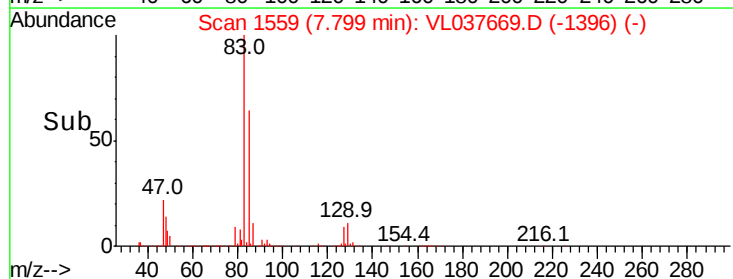
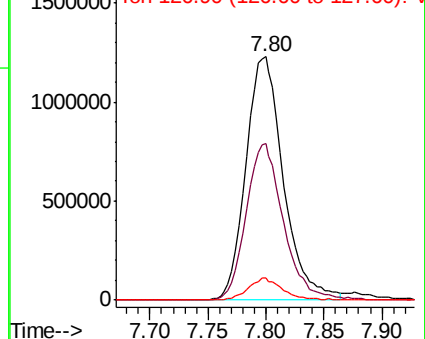
127 8.9 6.4 9.6

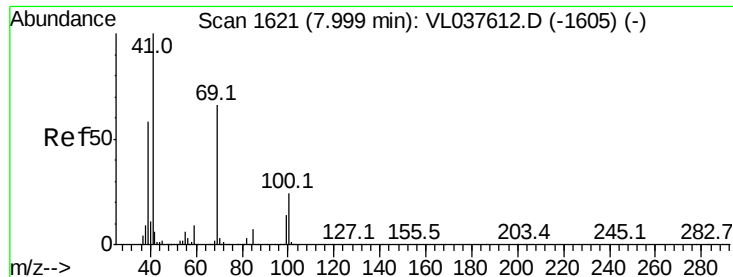


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methvl Methacrylate

Concen: 10.092 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. 0.02 min

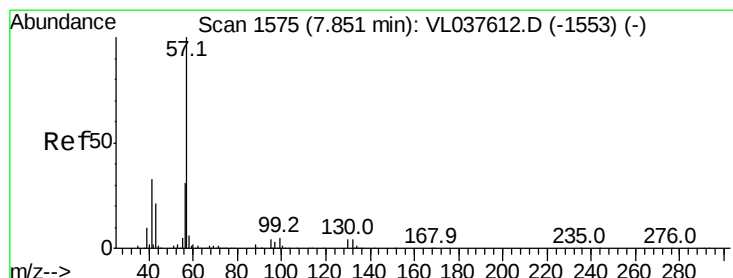
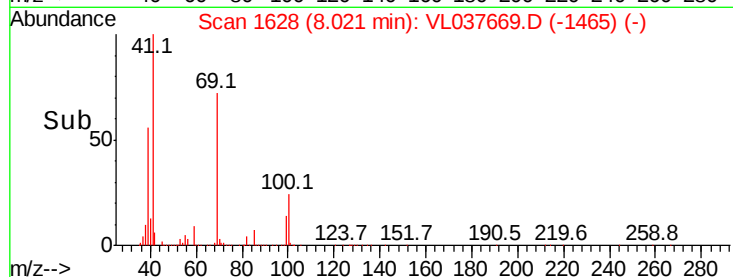
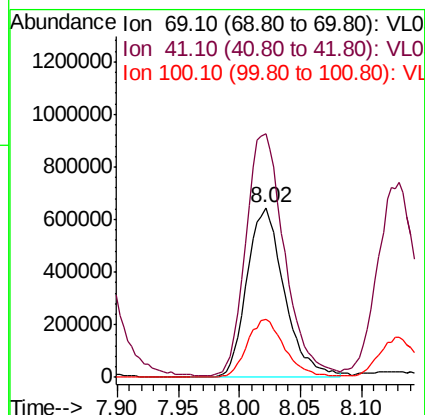
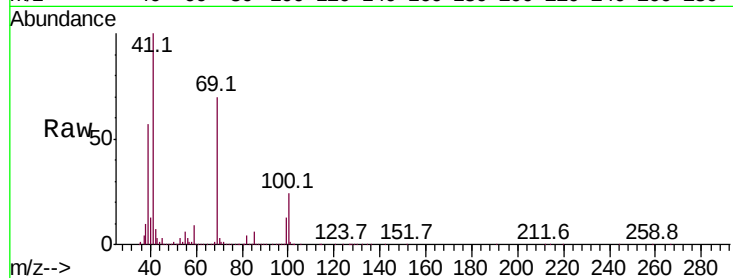
Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1367948

Ion	Ratio	Lower	Upper
69	100		
41	149.0	119.0	178.4
100	34.2	27.6	41.4



#44

2,2,4-Trimethylpentane

Concen: 9.317 ppbv

RT: 7.88 min Scan# 1583

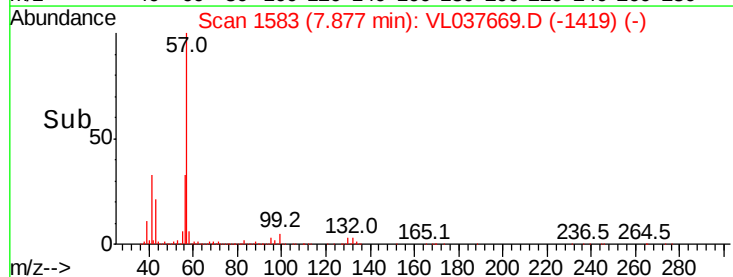
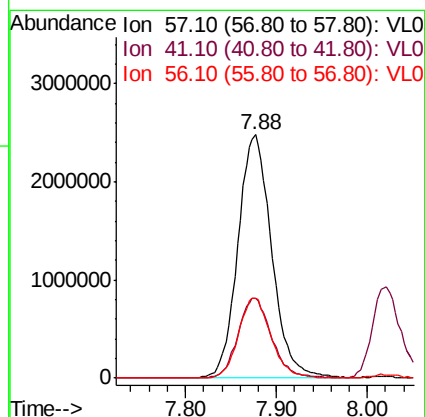
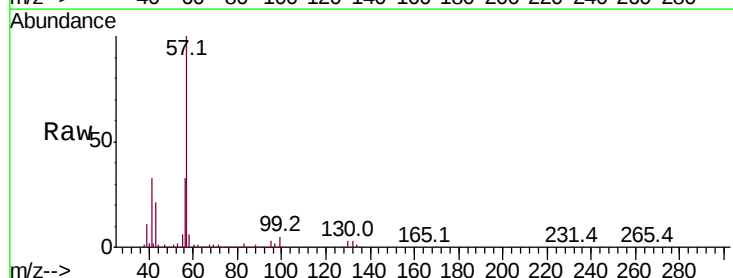
Delta R.T. 0.03 min

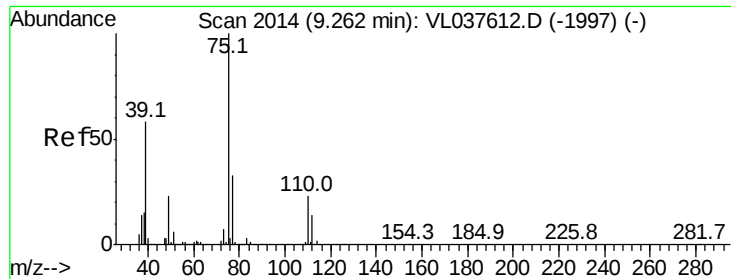
Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion: 57 Resp: 6381697

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.1	39.1
56	32.0	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 11.077 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

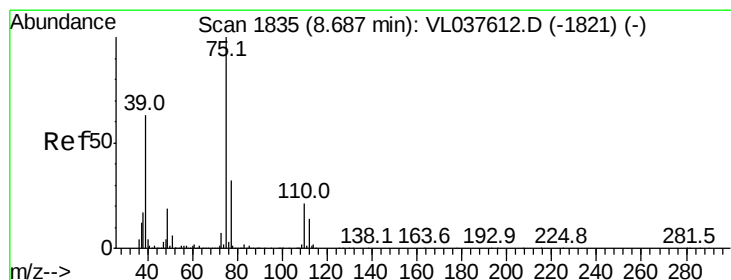
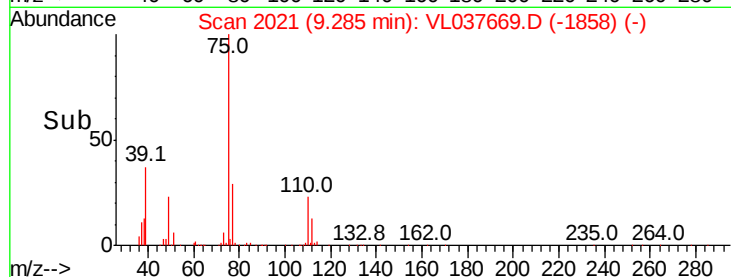
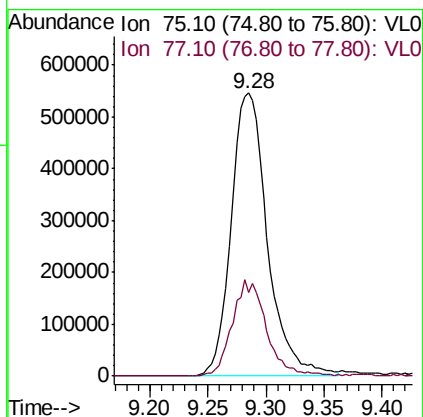
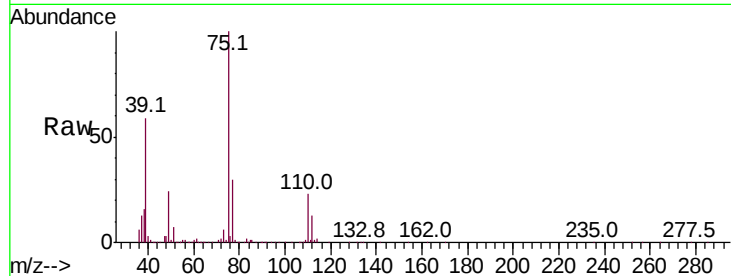
ClientSampled :

Tot Ion: 75 Resp: 1179416

Ion Ratio Lower Upper

75 100

77 29.6 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 10.731 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

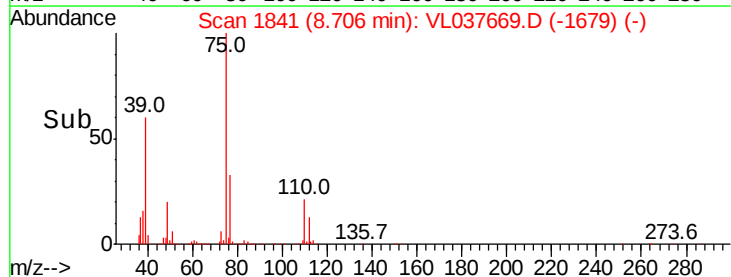
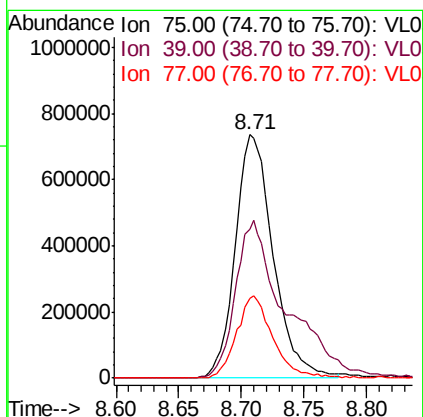
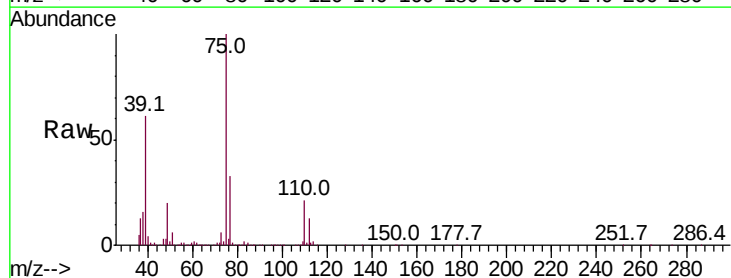
Tgt Ion: 75 Resp: 1543279

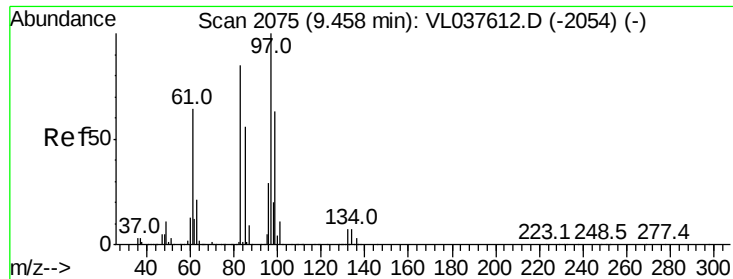
Ion Ratio Lower Upper

75 100

39 60.8 50.2 75.4

77 32.7 25.2 37.8



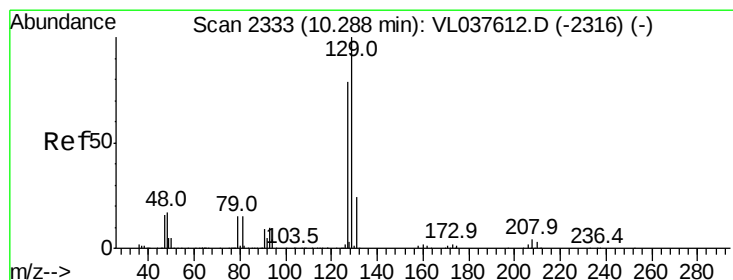
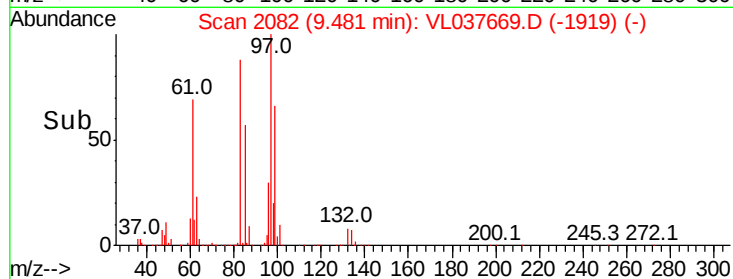
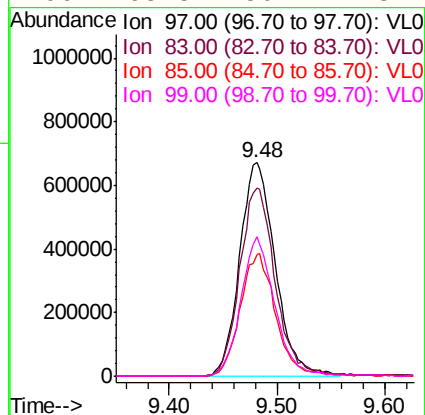
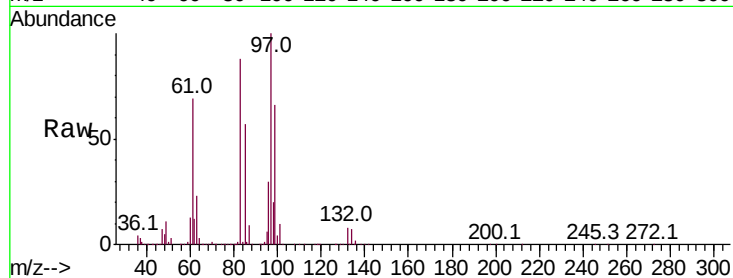


#47
 1,1,2-Trichloroethane
 Concen: 8.949 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1544882

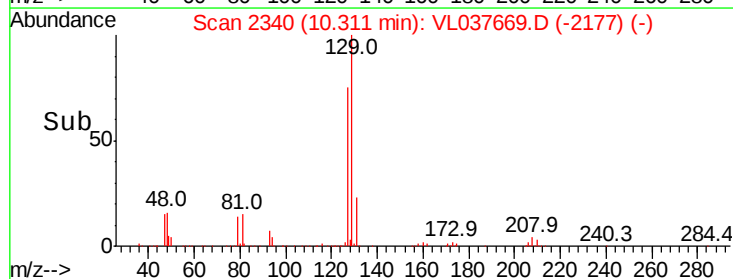
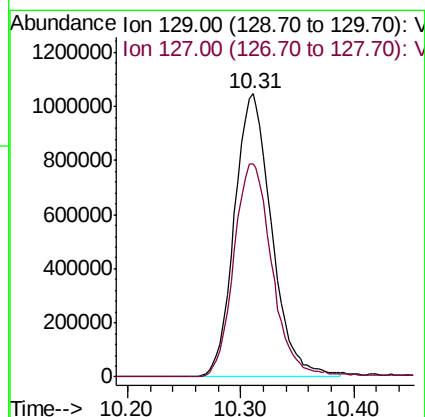
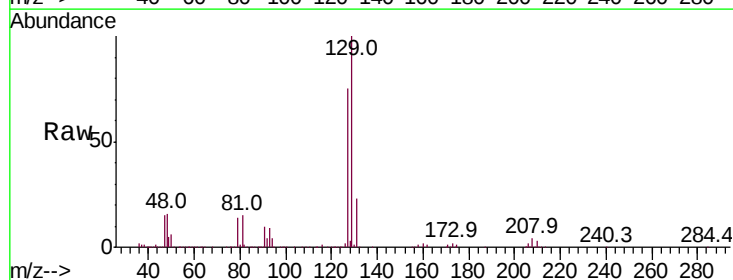
Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.9	101.9
85	56.9	44.8	67.2
99	65.5	50.1	75.1

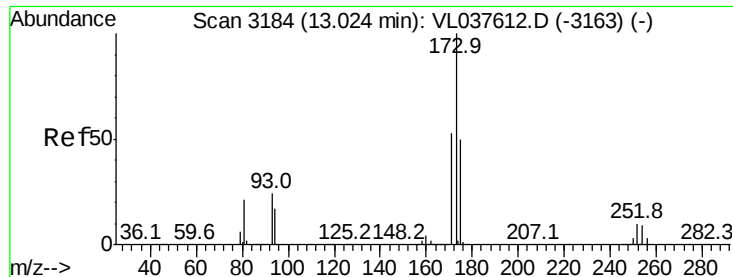


#48
 Dibromochloromethane
 Concen: 9.963 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 129 Resp: 2399295

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8





#49

Bromoform

Concen: 9.568 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

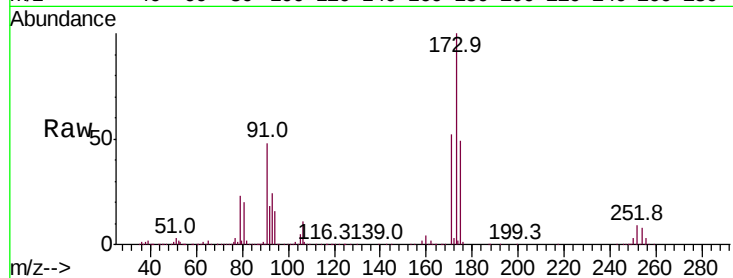
Tot Ion:173 Resp: 1844244

Ion Ratio Lower Upper

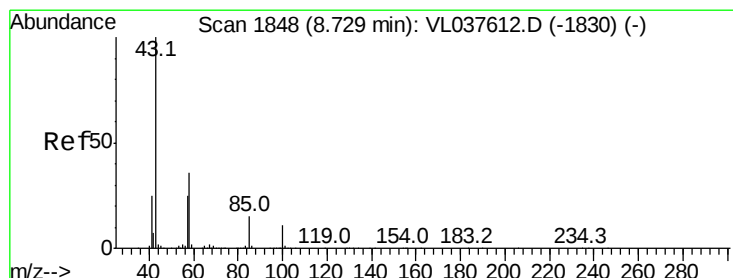
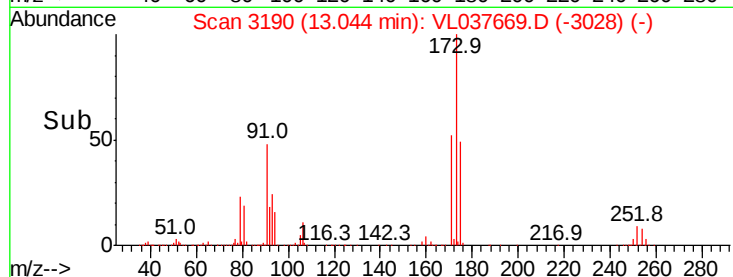
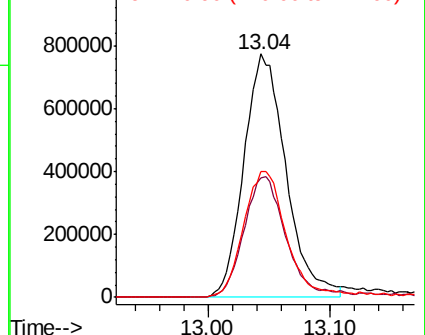
173 100

175 52.8 39.8 59.8

171 54.2 42.2 63.4



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.833 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.02 min

Lab File: VL037669.D

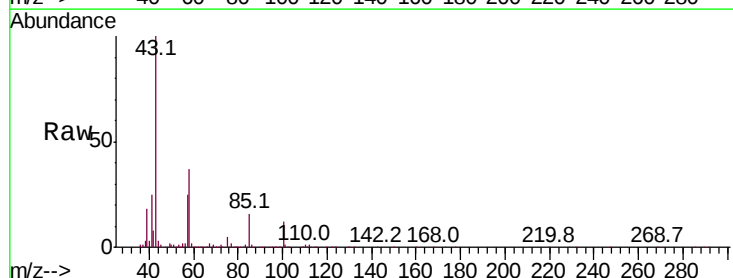
Acq: 23 Sep 2021 19:09

Tgt Ion: 43 Resp: 2478194

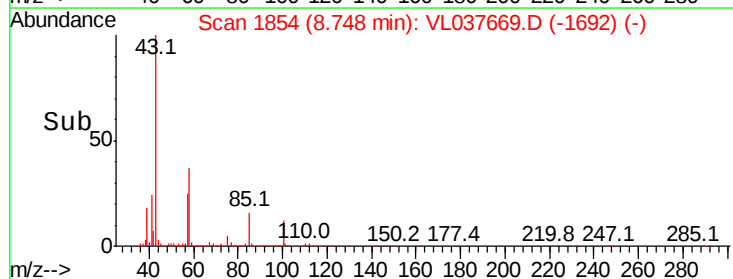
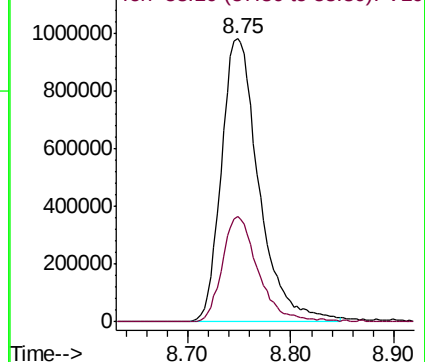
Ion Ratio Lower Upper

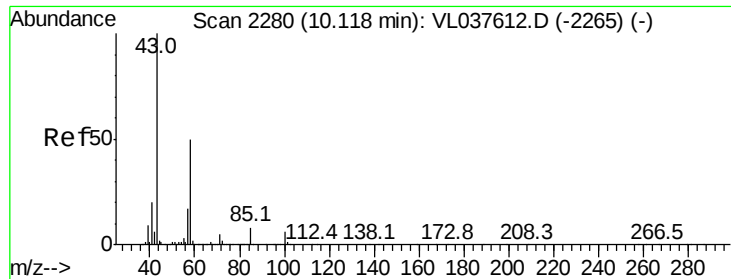
43 100

58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

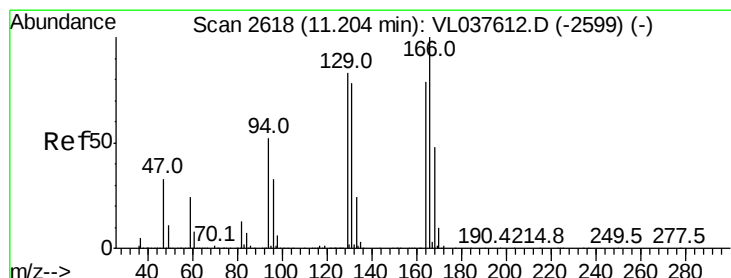
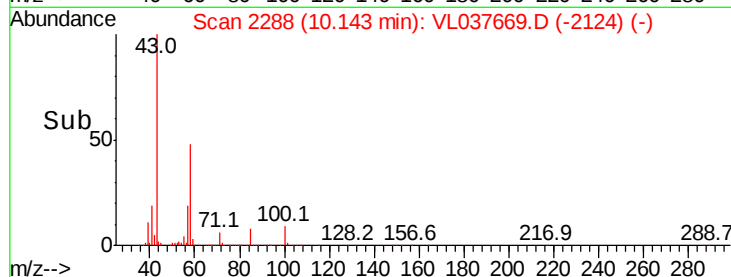
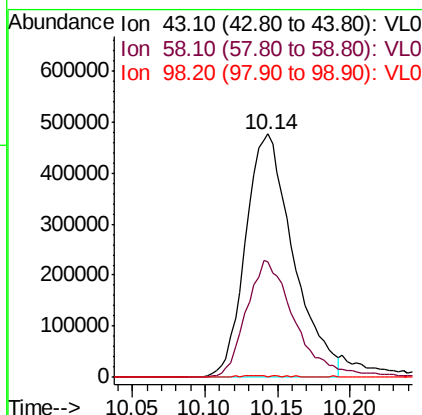
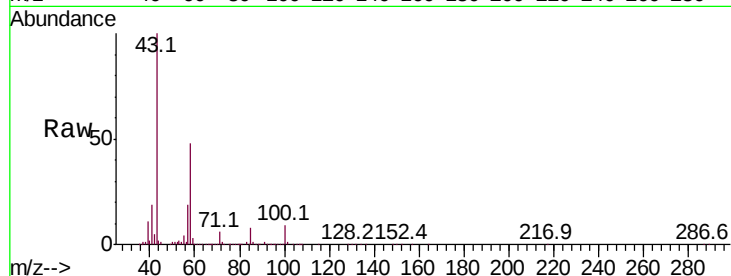




#51
2-Hexanone
Concen: 9.818 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.03 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

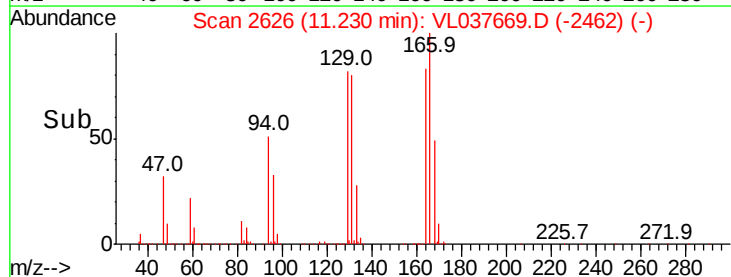
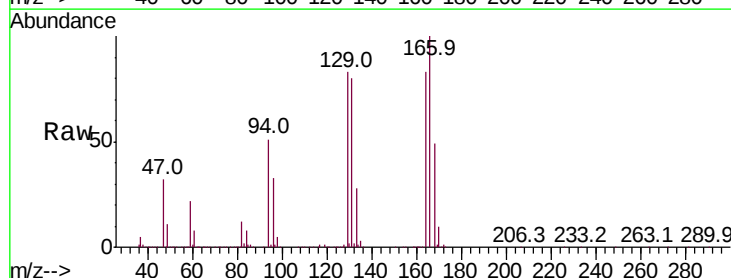
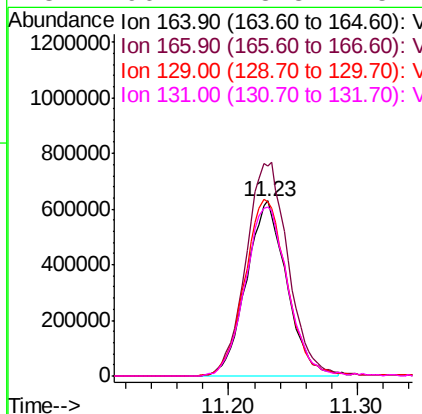
Instrument :
MSVOA_L
ClientSampleId :

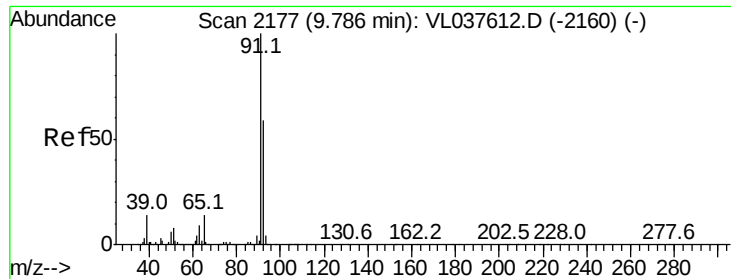
Tot Ion: 43 Resp: 1091777
Ion Ratio Lower Upper
43 100
58 49.9 39.3 58.9
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.739 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion: 164 Resp: 1367015
Ion Ratio Lower Upper
164 100
166 119.9 101.2 151.8
129 98.9 84.0 126.0
131 96.1 78.8 118.2





#53

Toluene

Concen: 9.672 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

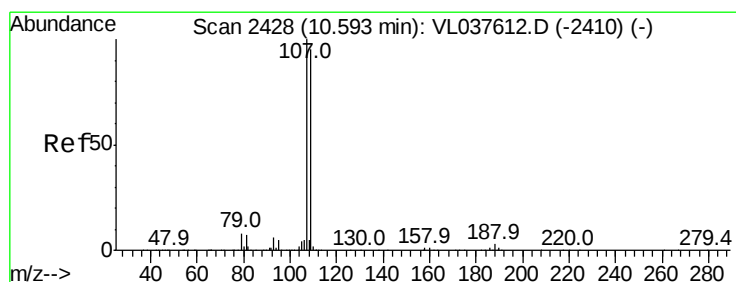
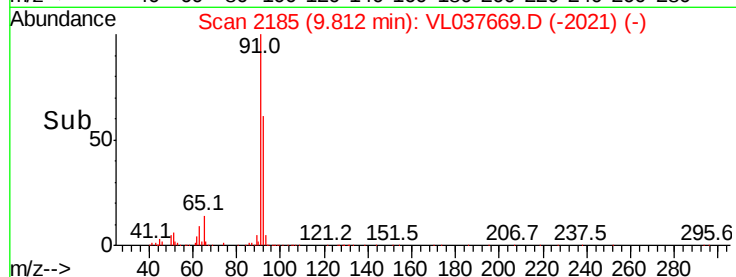
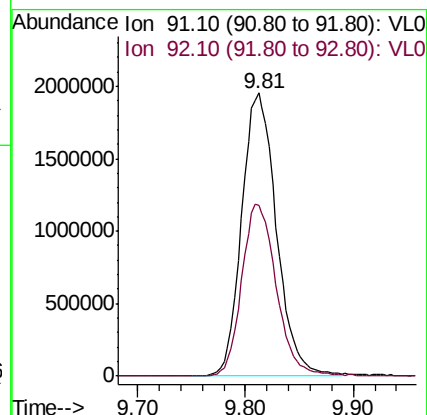
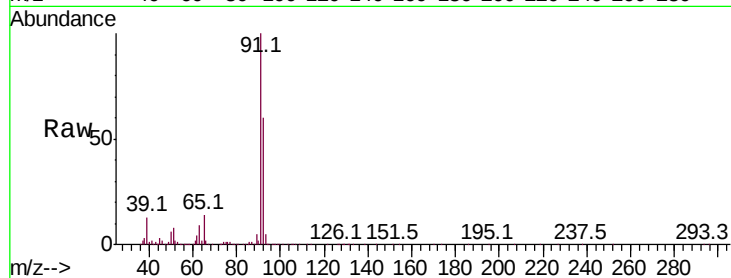
ClientSampled :

Tot Ion: 91 Resp: 4380287

Ion Ratio Lower Upper

91 100

92 60.8 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.095 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.02 min

Lab File: VL037669.D

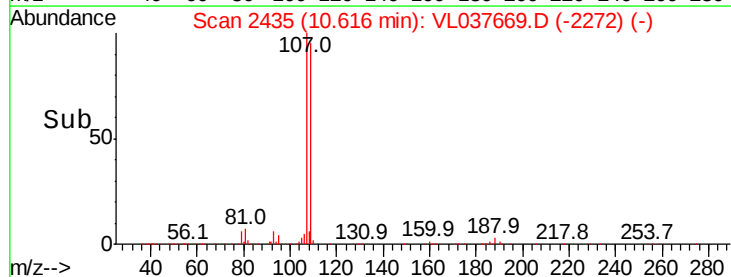
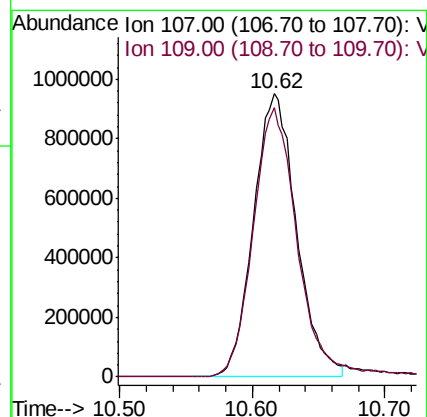
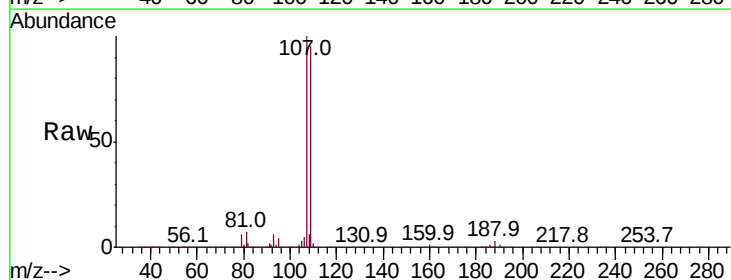
Acq: 23 Sep 2021 19:09

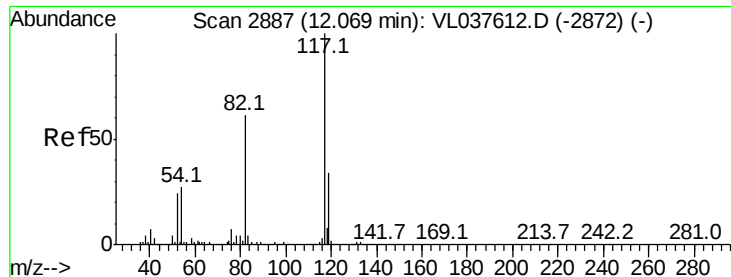
Tgt Ion: 107 Resp: 2149710

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0

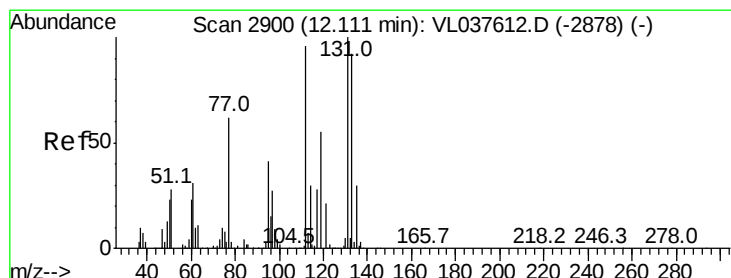
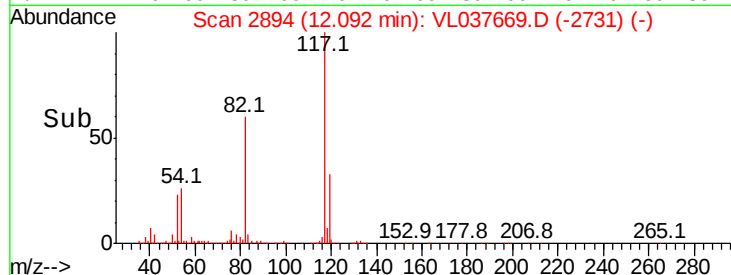
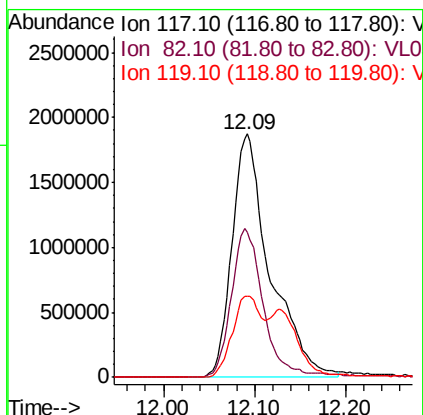
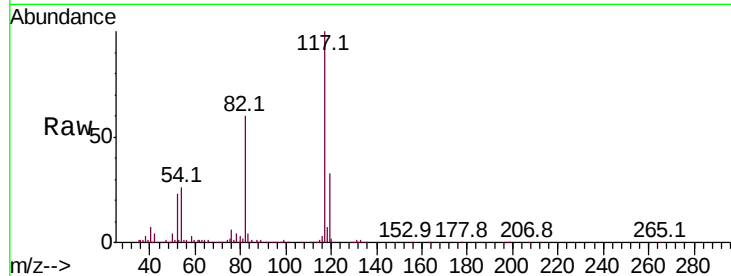




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

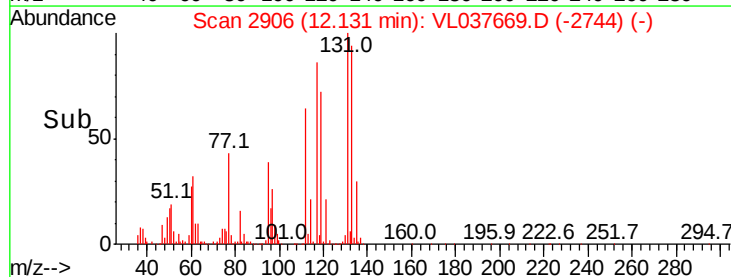
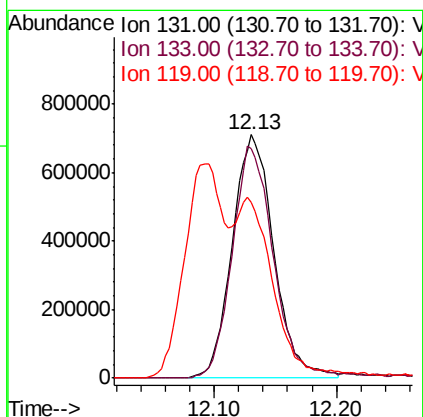
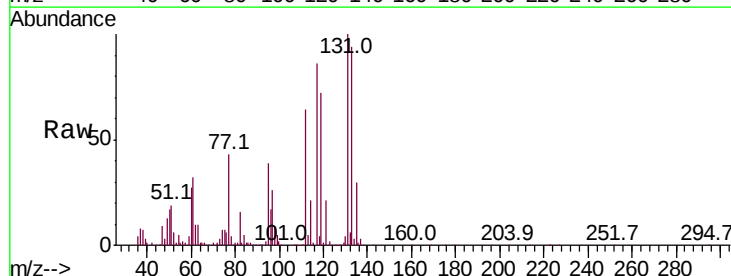
Instrument :
MSVOA_L
ClientSampleId :

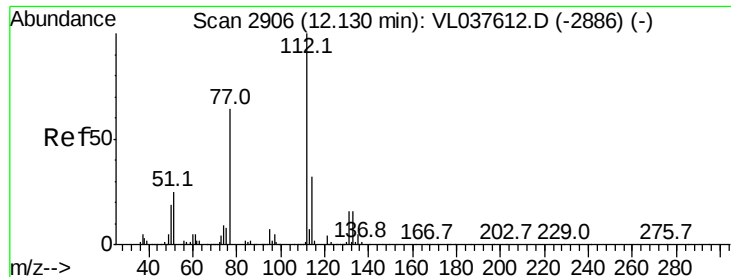
Tot Ion:117 Resp: 5440631
Ion Ratio Lower Upper
117 100
82 52.7 50.6 75.8
119 48.4 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.393 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL037669.D
Acq: 23 Sep 2021 19:09

Tgt Ion:131 Resp: 1668412
Ion Ratio Lower Upper
131 100
133 97.8 76.8 115.2
119 155.3 47.8 71.8#





#57

Chlorobenzene

Concen: 7.063 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

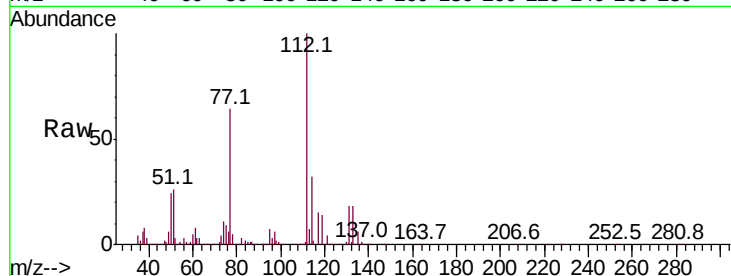
Tot Ion:112 Resp: 3194776

Ion Ratio Lower Upper

112 100

77 62.8 52.1 78.1

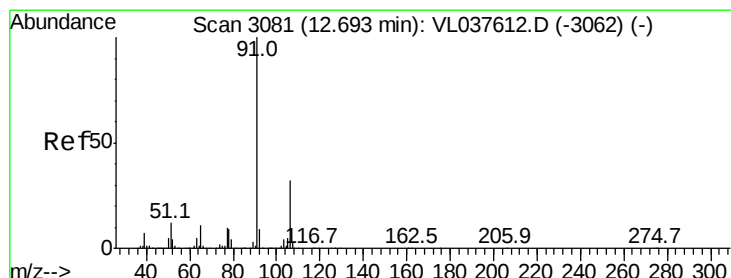
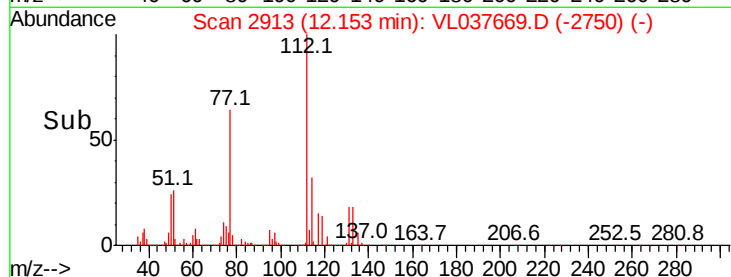
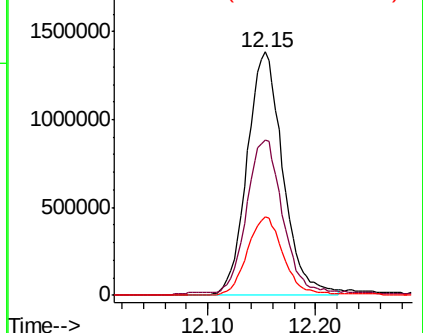
114 32.2 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.653 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VL037669.D

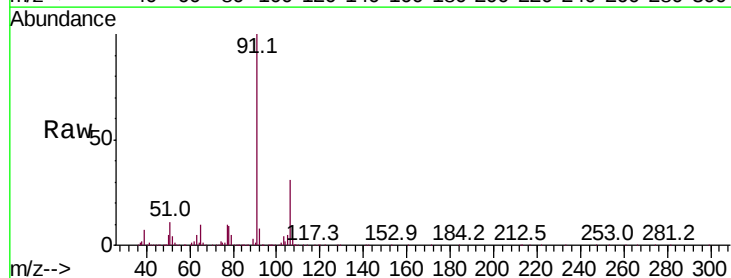
Acq: 23 Sep 2021 19:09

Tgt Ion: 91 Resp: 5526920

Ion Ratio Lower Upper

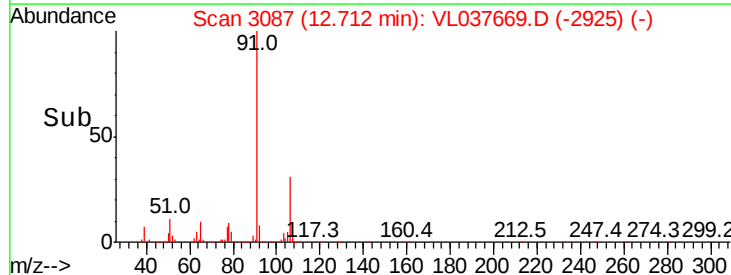
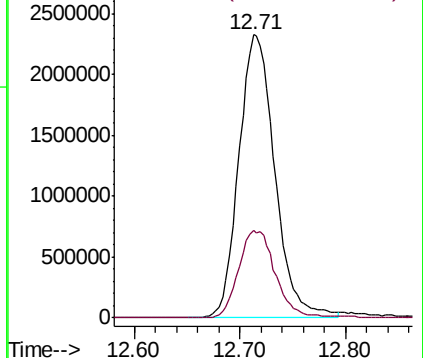
91 100

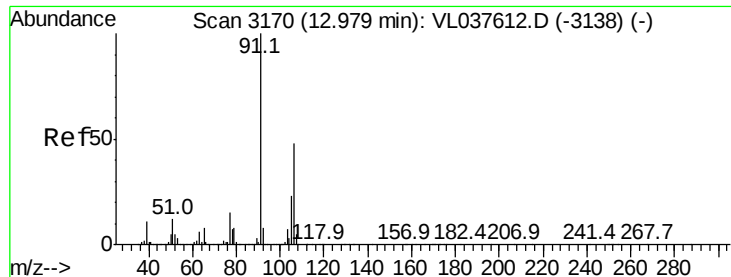
106 30.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.082 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

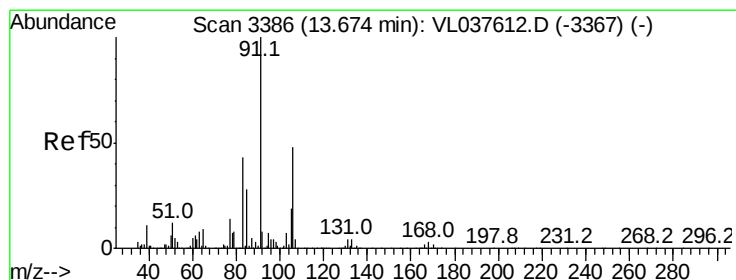
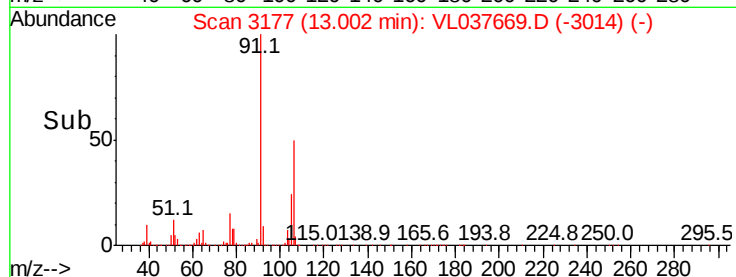
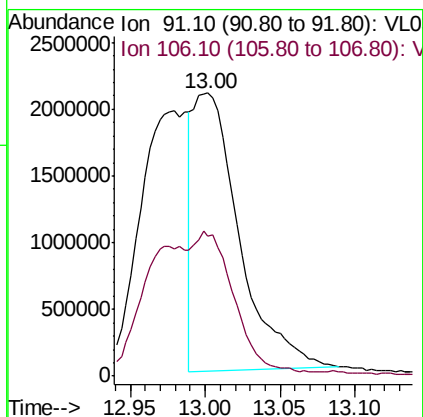
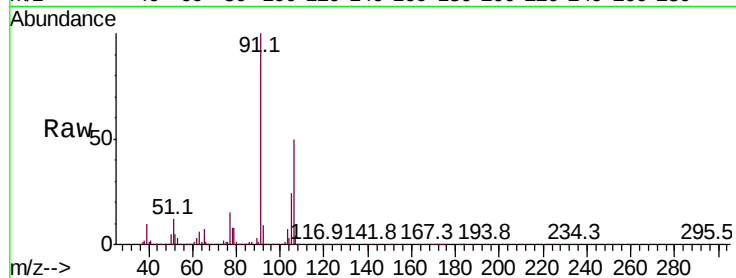
ClientSampleId :

Tot Ion: 91 Resp: 4457266

Ion Ratio Lower Upper

91 100

106 98.3 36.6 55.0#



#60

o-Xylene

Concen: 7.198 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.03 min

Lab File: VL037669.D

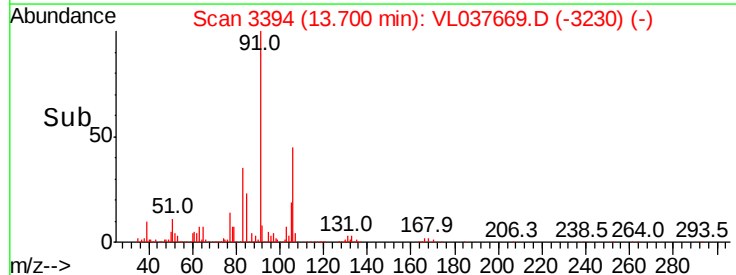
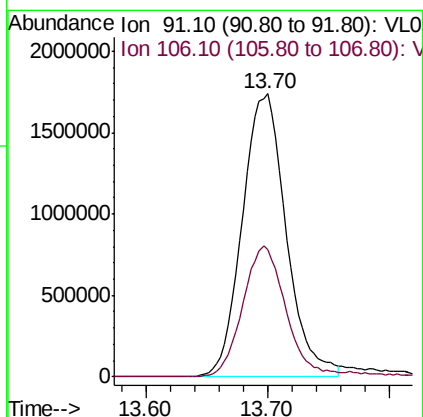
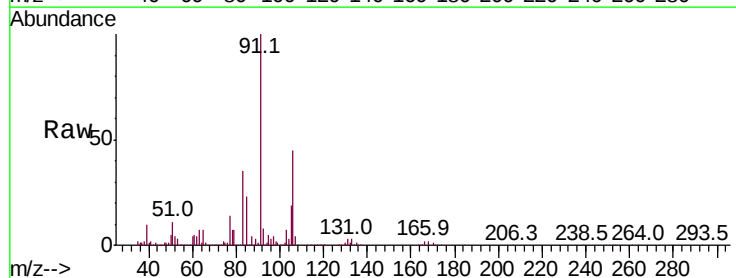
Acq: 23 Sep 2021 19:09

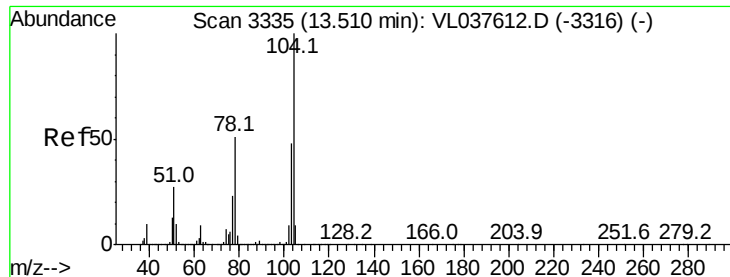
Tgt Ion: 91 Resp: 4311586

Ion Ratio Lower Upper

91 100

106 47.4 23.0 69.0





#61

Stvrene

Concen: 8.275 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampled :

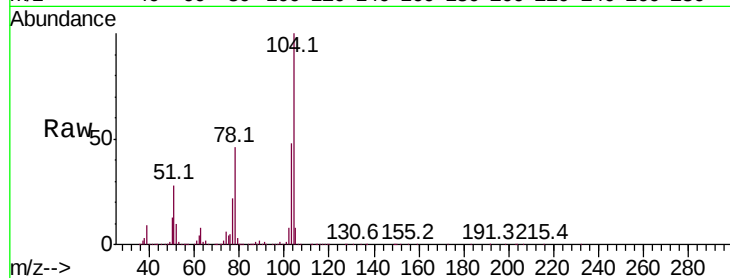
Tot Ion:104 Resp: 2444217

Ion Ratio Lower Upper

104 100

78 49.0 39.7 59.5

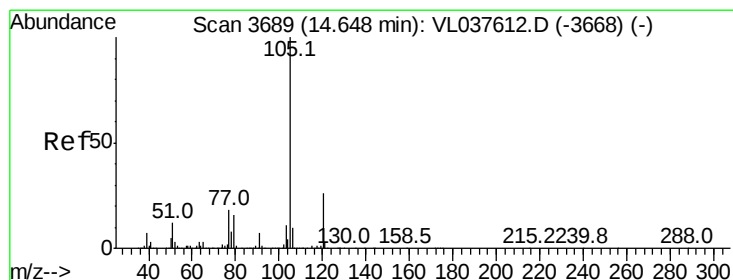
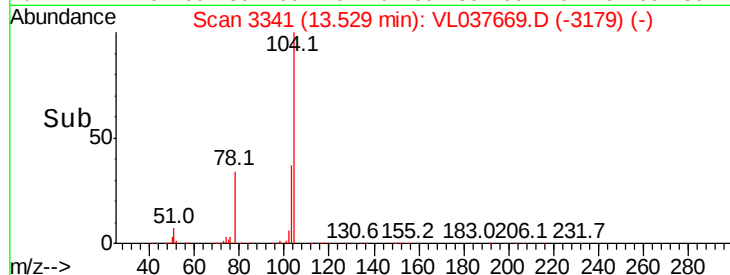
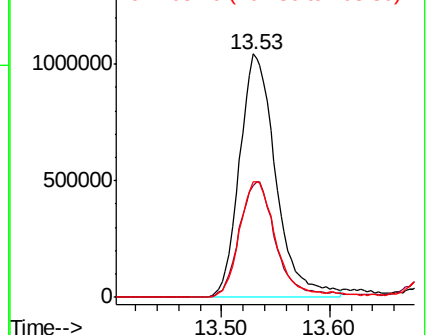
103 49.2 38.8 58.2



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: 7.079 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.02 min

Lab File: VL037669.D

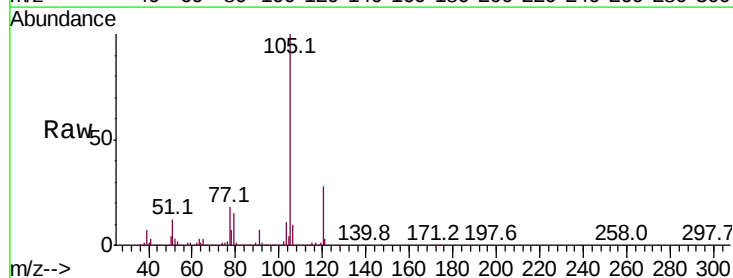
Acq: 23 Sep 2021 19:09

Tgt Ion:105 Resp: 5923759

Ion Ratio Lower Upper

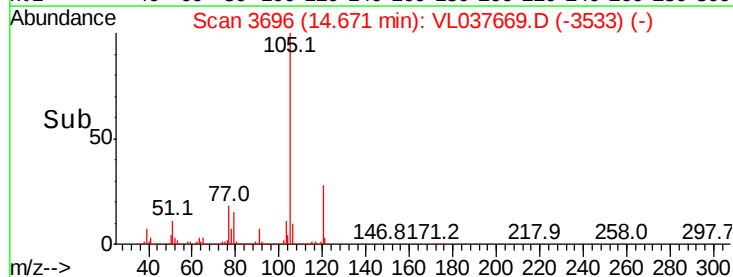
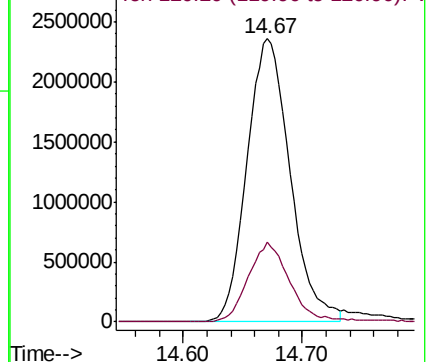
105 100

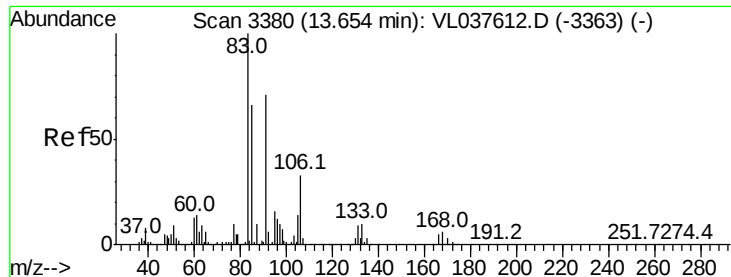
120 27.6 21.4 32.0



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: 6.590 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

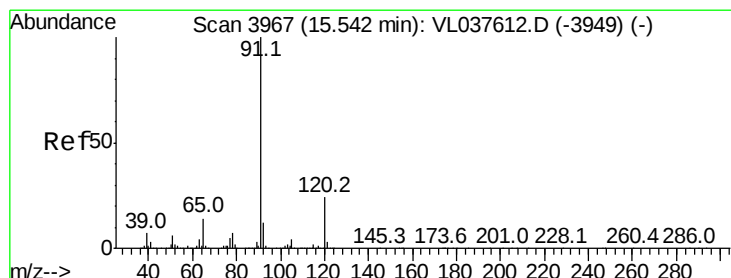
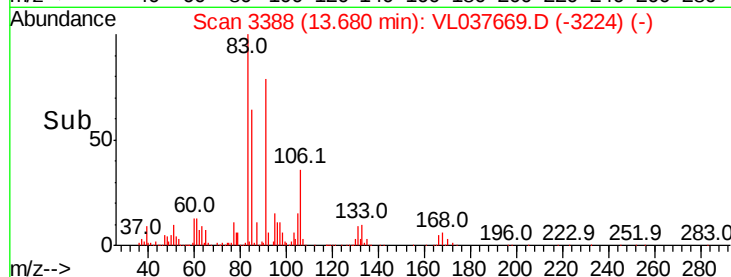
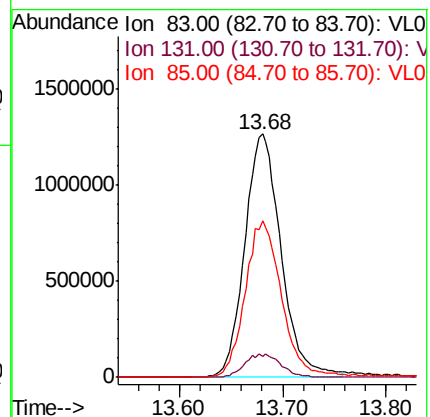
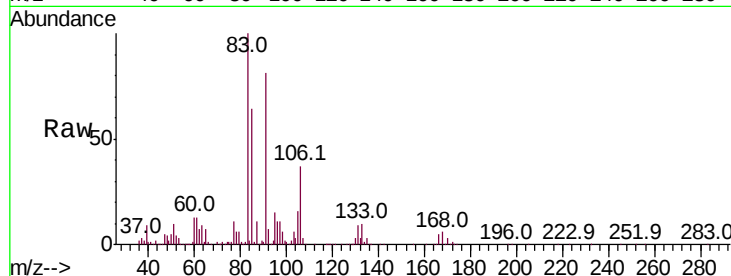
Tot Ion: 83 Resp: 3089285

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	65.9	33.3	99.9

83 100

131 9.9 5.1 15.3

85 65.9 33.3 99.9



#64

n-propylbenzene

Concen: 7.464 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.02 min

Lab File: VL037669.D

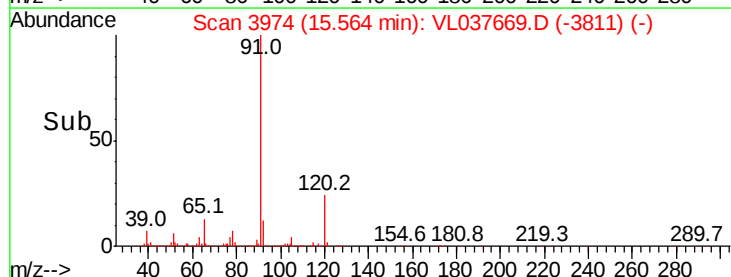
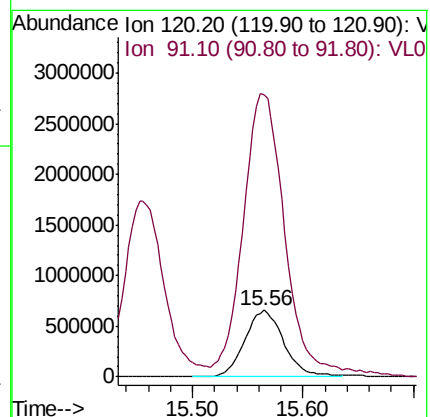
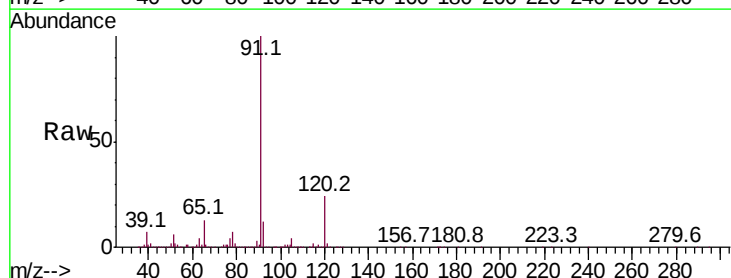
Acq: 23 Sep 2021 19:09

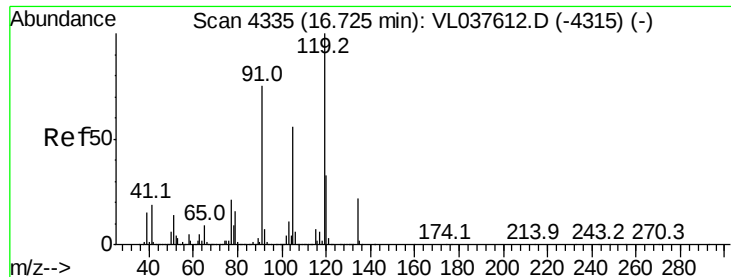
Tgt Ion: 120 Resp: 1611922

Ion	Ratio	Lower	Upper
120	100		
91	460.6	345.0	517.4

120 100

91 460.6 345.0 517.4





#65

tert-Butylbenzene

Concen: 7.040 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampled :

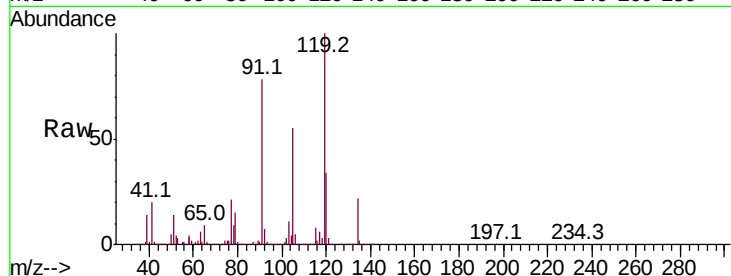
Tot Ion:119 Resp: 5311580

Ion Ratio Lower Upper

119 100

91 77.1 61.9 92.9

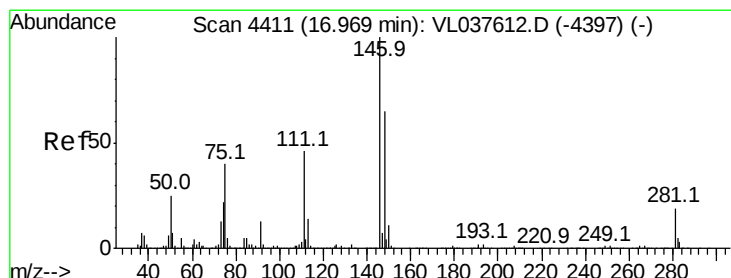
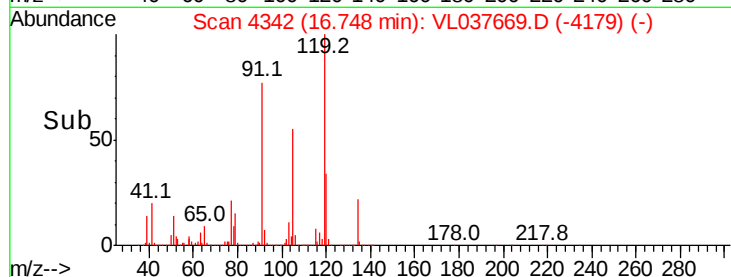
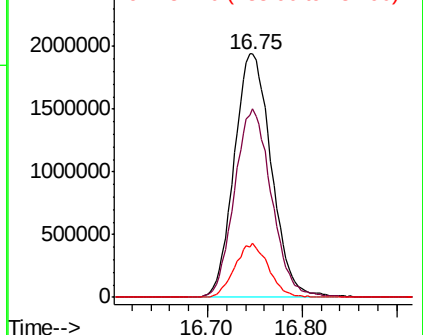
134 20.3 16.5 24.7



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: 7.632 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

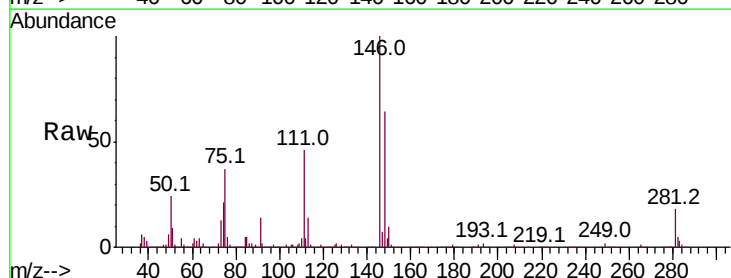
Tgt Ion: 91 Resp: 314698

Ion Ratio Lower Upper

91 100

126 18.9 14.4 21.6

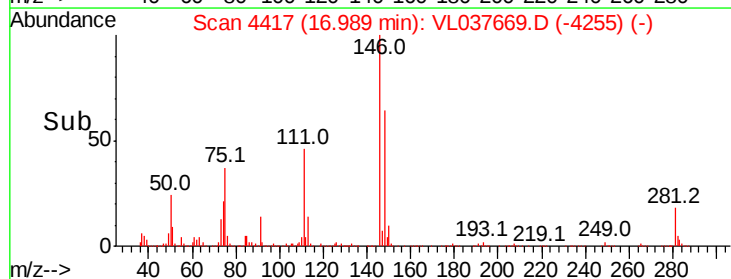
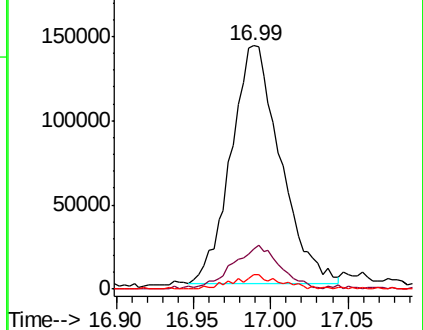
128 5.9 5.7 8.5

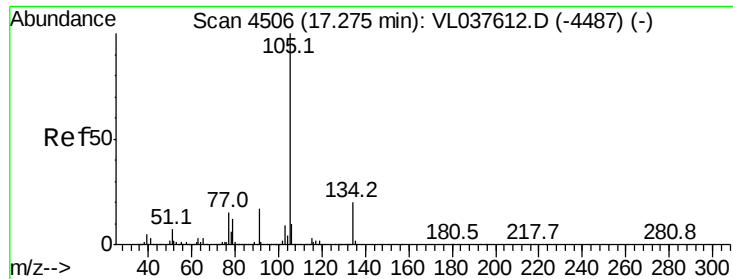


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

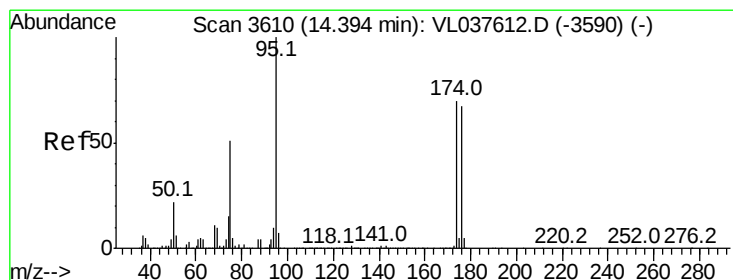
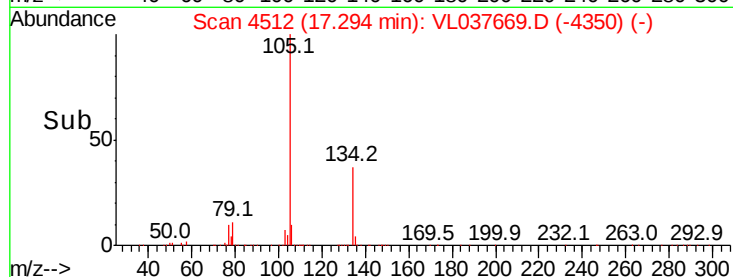
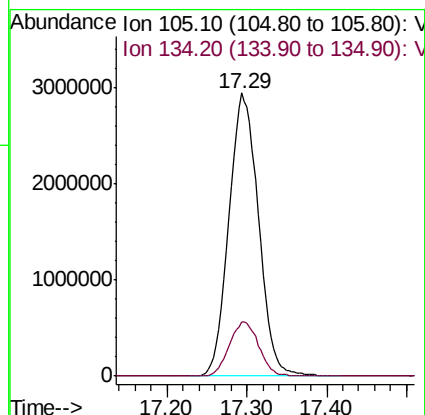
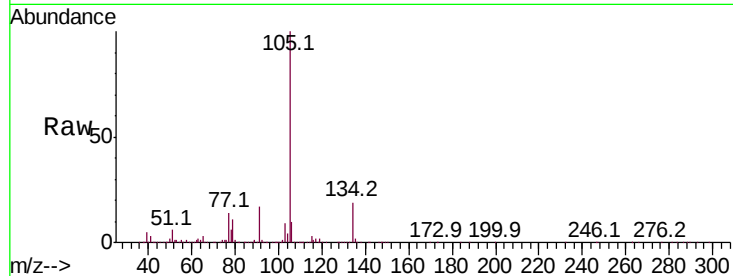




#67
 sec-Butylbenzene
 Concen: 7.202 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

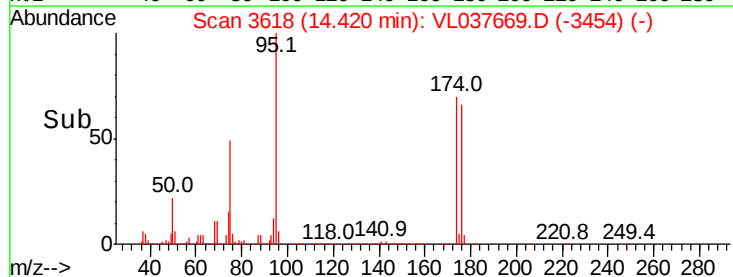
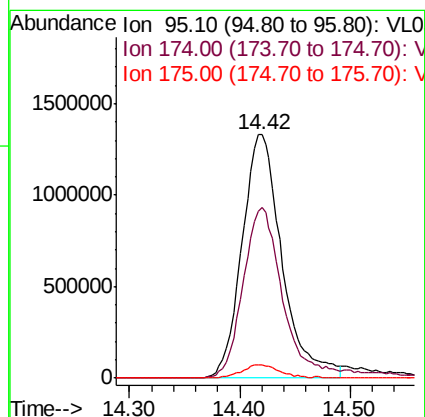
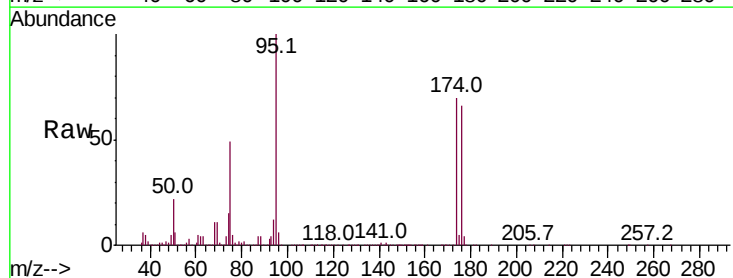
Instrument :
 MSVOA_L
 ClientSampleId :

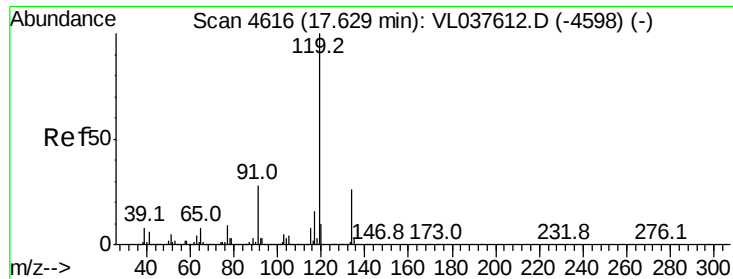
Tot Ion:105 Resp: 7372335
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.493 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.03 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 95 Resp: 3339585
 Ion Ratio Lower Upper
 95 100
 174 73.2 56.3 84.5
 175 5.4 4.4 6.6

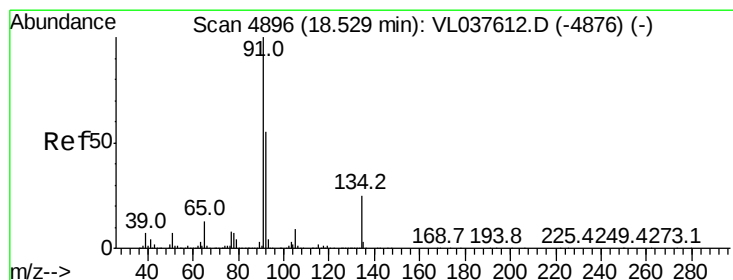
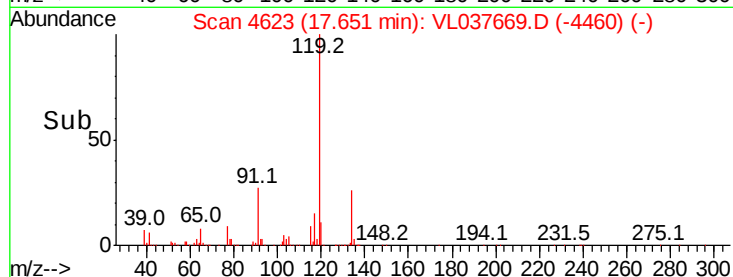
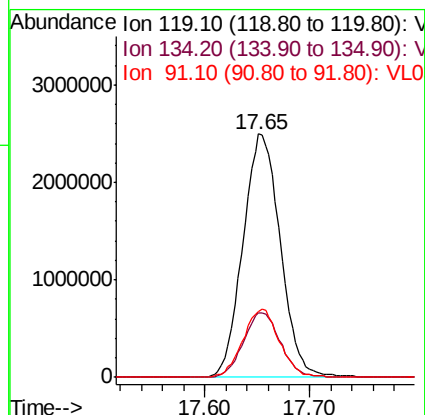
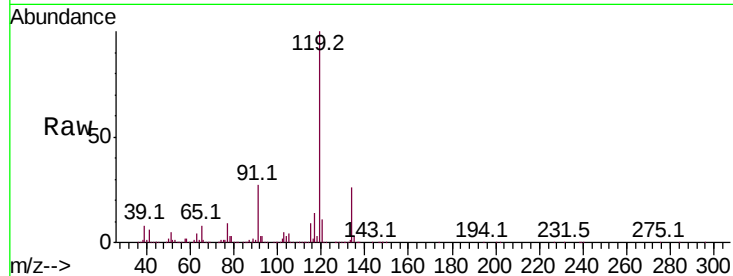




#69
 p-Isopropyltoluene
 Concen: 7.358 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

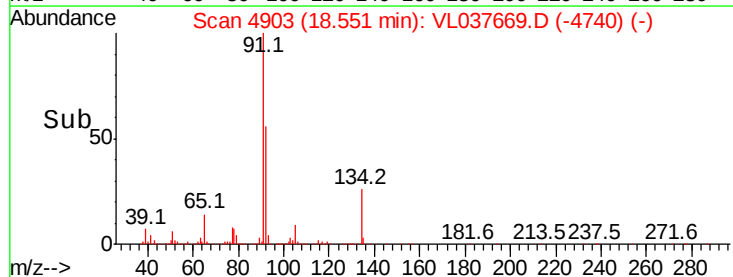
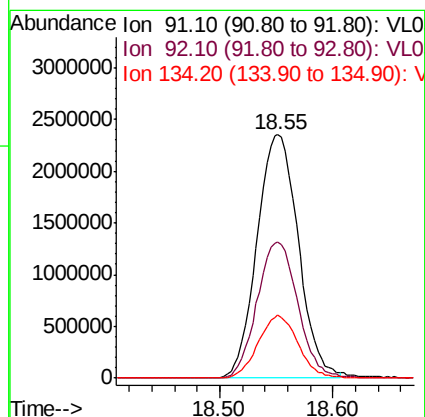
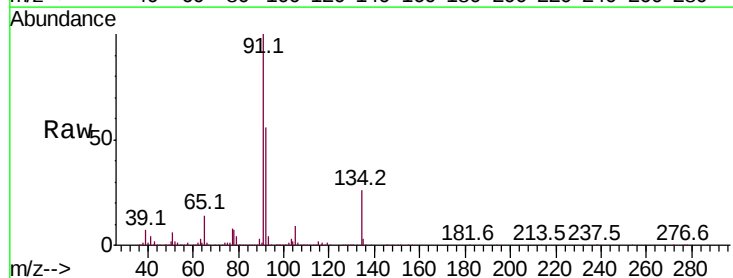
Instrument :
 MSVOA_L
 ClientSampleId :

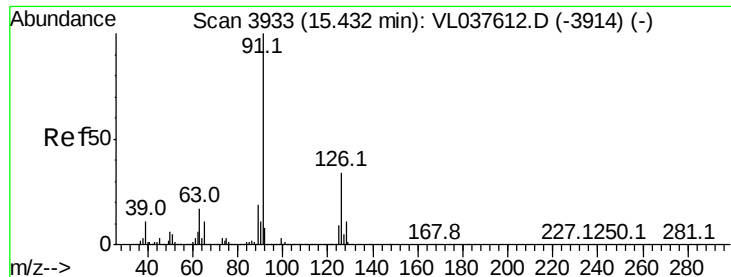
Tot Ion:119 Resp: 6153706
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.2 31.8
 91 27.3 22.2 33.2



#70
 n-Butylbenzene
 Concen: 7.527 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion: 91 Resp: 5956180
 Ion Ratio Lower Upper
 91 100
 92 55.6 44.0 66.0
 134 24.9 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.302 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

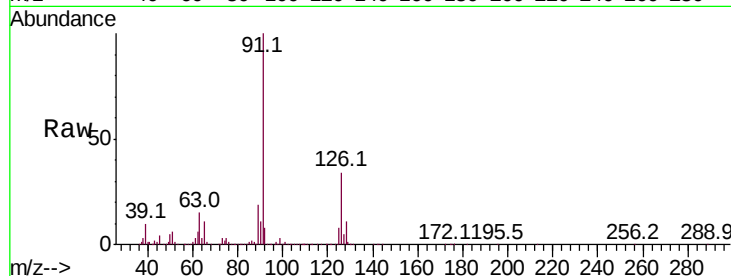
ClientSampleId :

Tot Ion: 91 Resp: 4379169

Ion Ratio Lower Upper

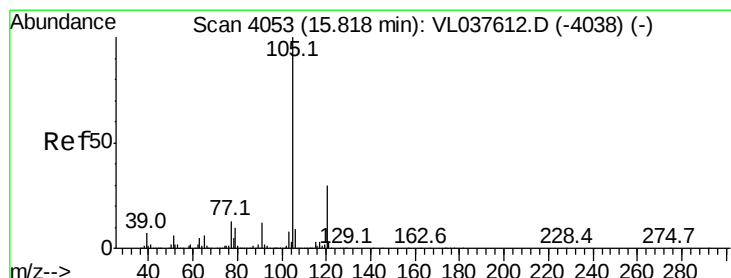
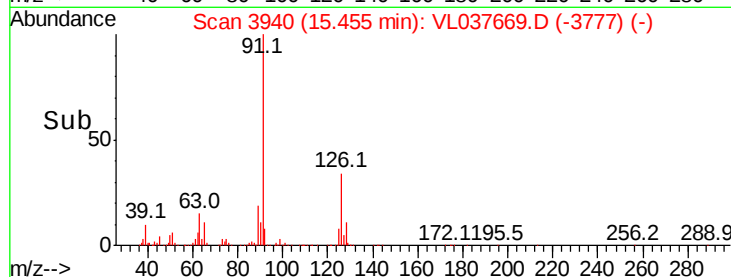
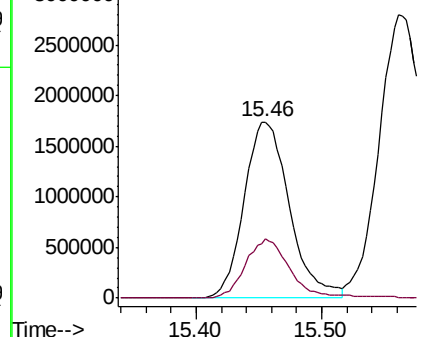
91 100

126 33.6 13.2 52.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.494 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Tgt Ion:105 Resp: 5153205

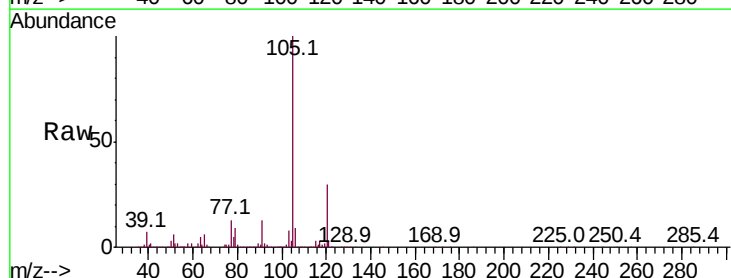
Ion Ratio Lower Upper

105 100

120 30.9 24.7 37.1

91 13.3 9.9 14.9

77 13.1 10.5 15.7

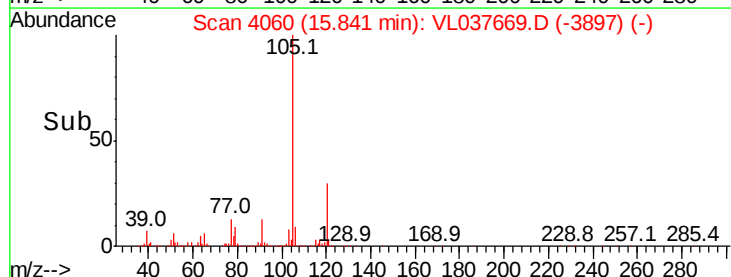
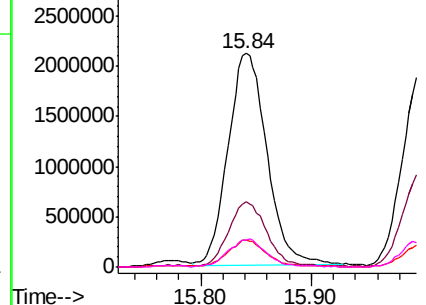


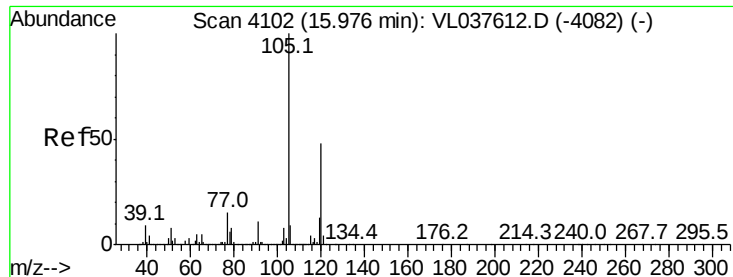
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

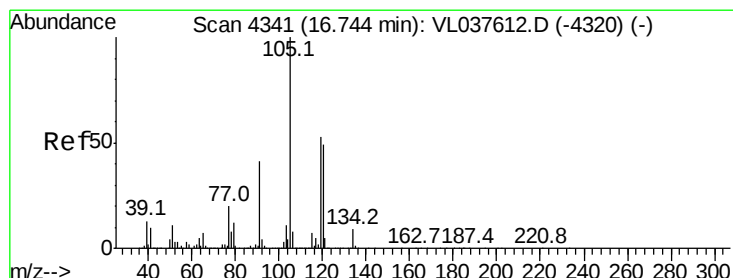
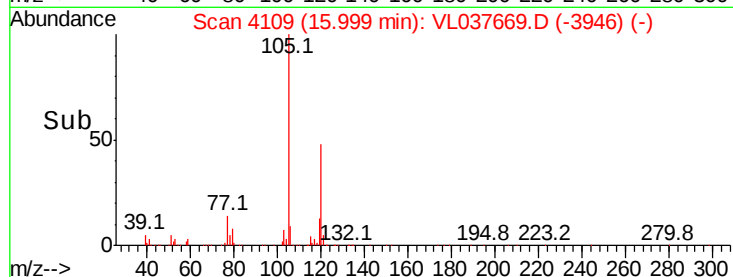
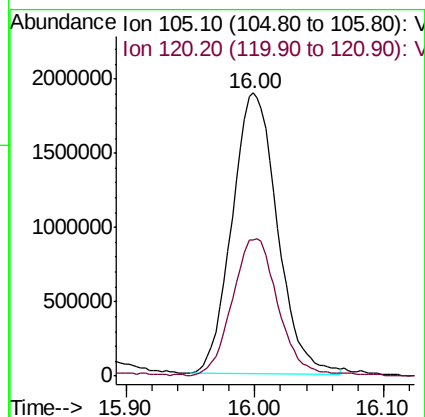
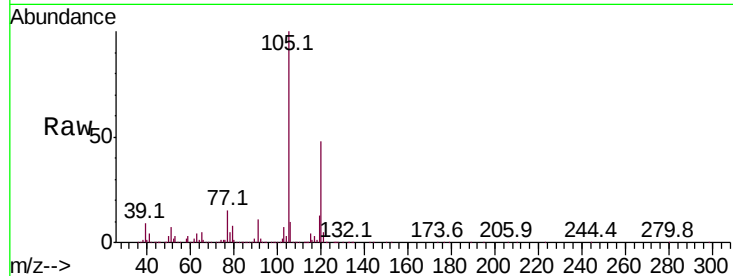




#73
 1,3,5-Trimethylbenzene
 Concen: 7.228 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

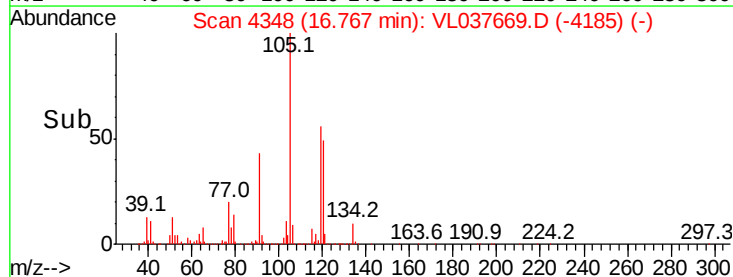
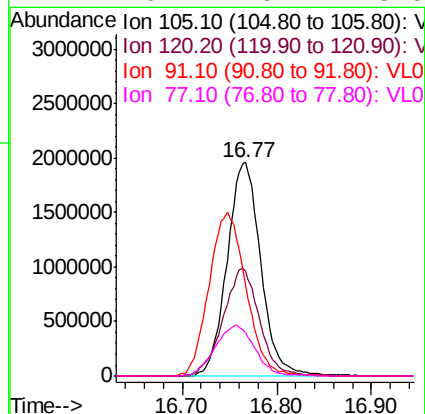
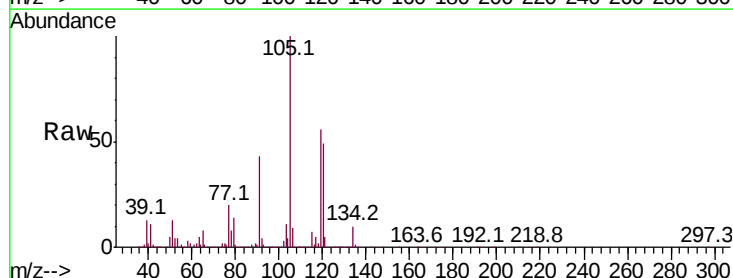
Instrument :
 MSVOA_L
 ClientSampled :

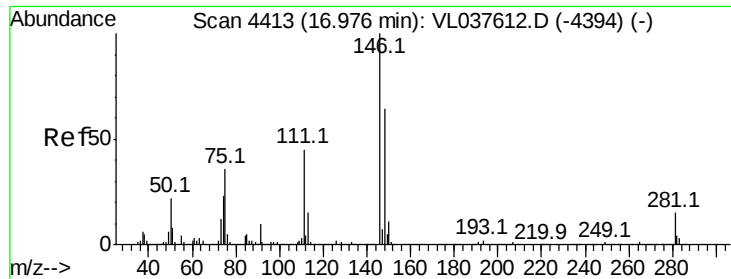
Tot Ion:105 Resp: 4632748
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 7.110 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.02 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Tgt Ion:105 Resp: 4800178
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.4 59.0
 91 42.7 33.3 49.9
 77 20.1 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 7.001 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

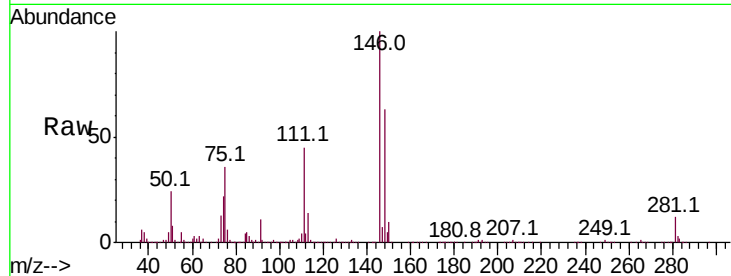
Tot Ion:146 Resp: 2936687

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.8	68.3
148	64.7	32.1	96.5

146 100

111 46.0 22.8 68.3

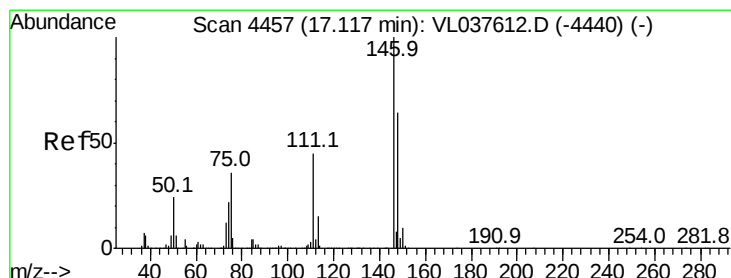
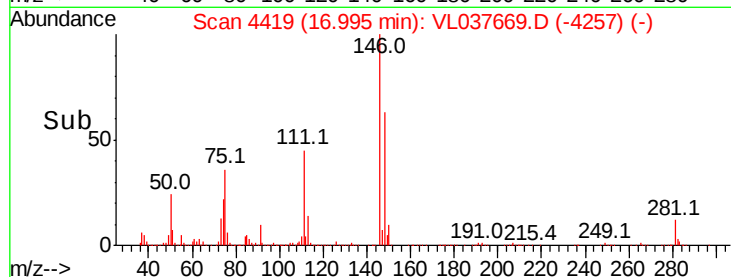
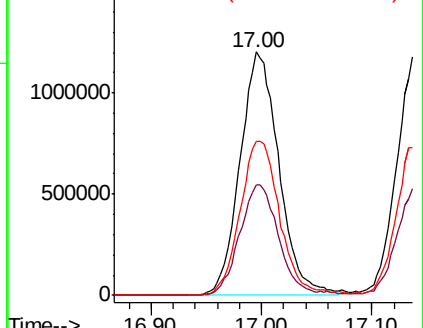
148 64.7 32.1 96.5



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: 6.727 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

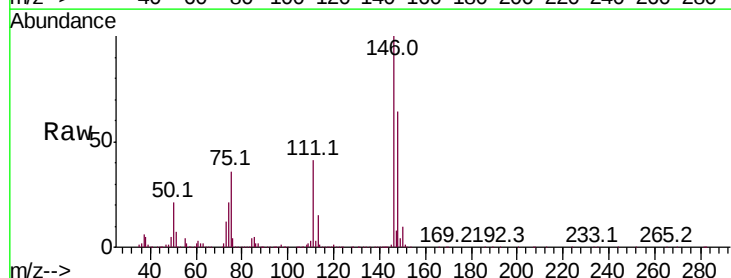
Tgt Ion:146 Resp: 2782944

Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.5	67.5
148	68.4	32.9	98.6

146 100

111 45.6 22.5 67.5

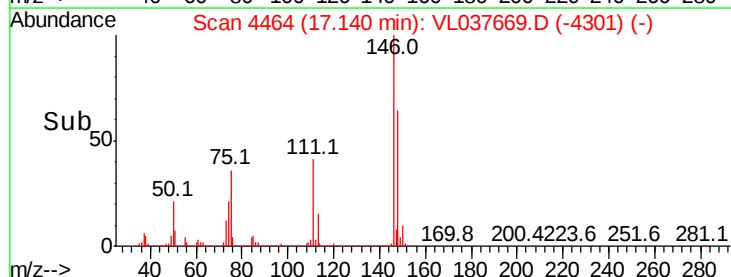
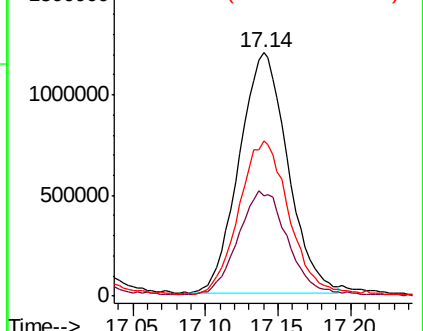
148 68.4 32.9 98.6

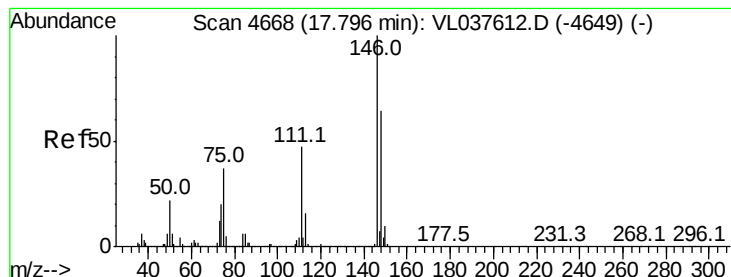


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.117 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

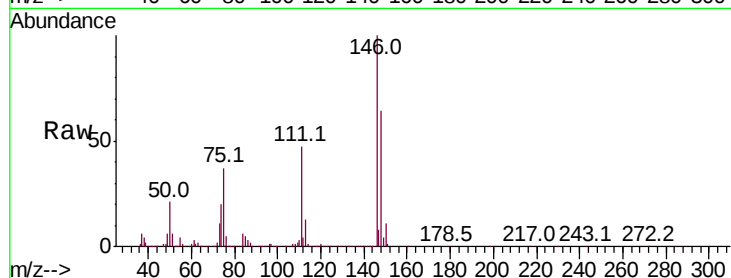
Tot Ion:146 Resp: 2831536

Ion Ratio Lower Upper

146 100

111 46.5 24.0 72.0

148 64.3 32.8 98.3

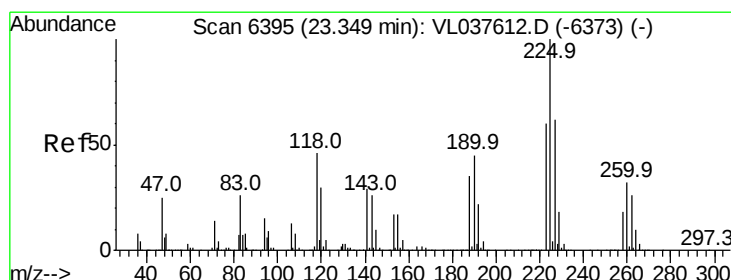
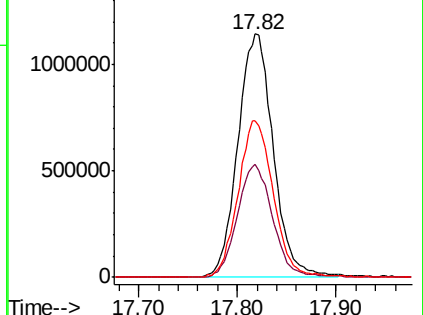
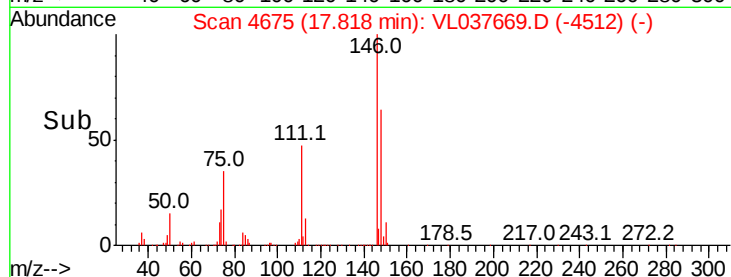


Abundance

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: 6.701 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

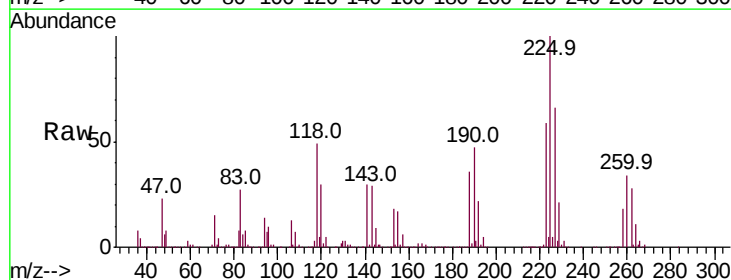
Tgt Ion:225 Resp: 2243889

Ion Ratio Lower Upper

225 100

223 62.9 51.1 76.7

227 64.5 52.2 78.4

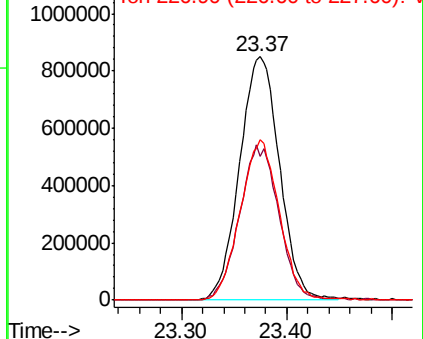
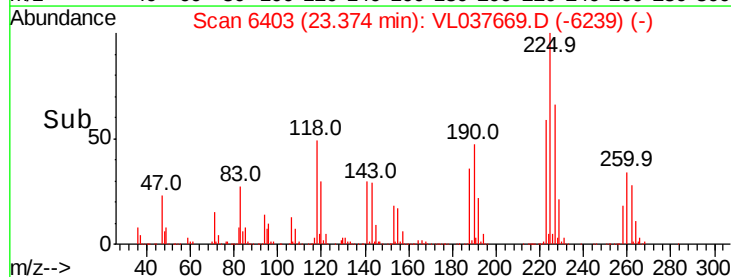


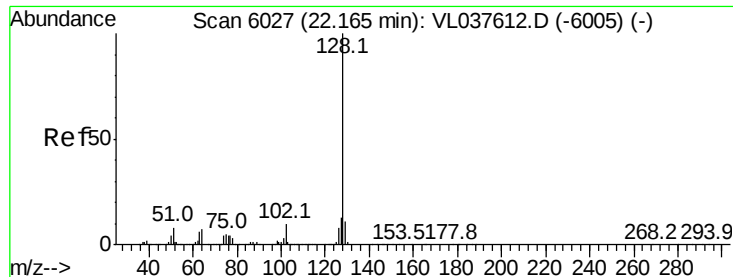
Abundance

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: 9.504 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.03 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

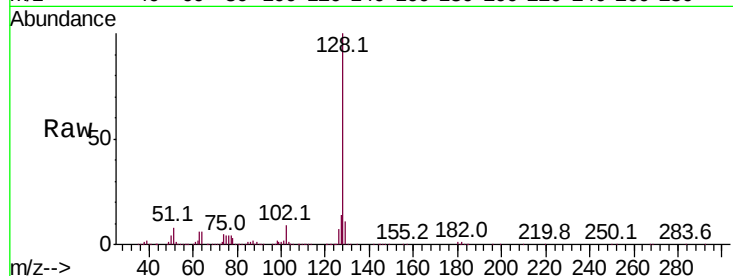
Tot Ion:128 Resp: 3939813

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

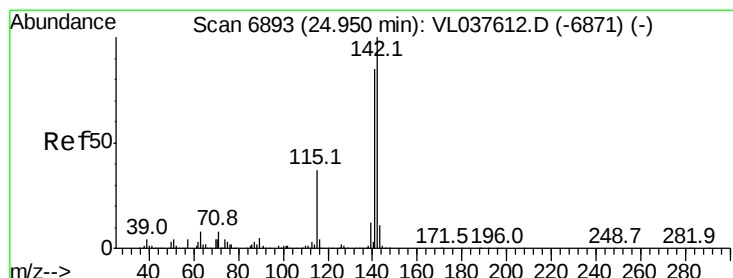
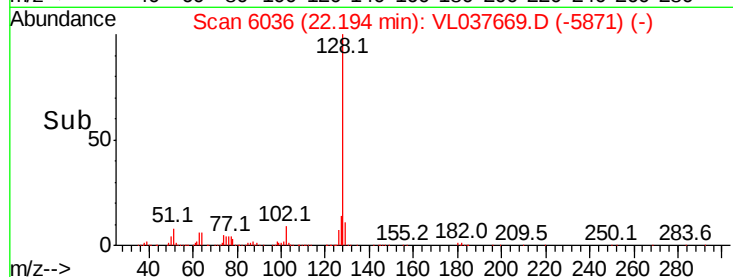
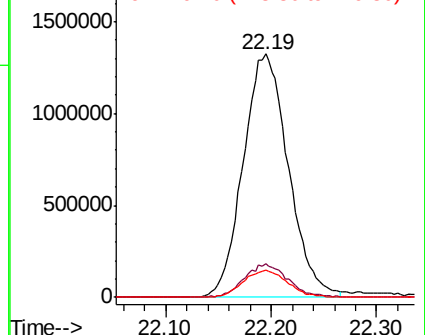
129 11.4 8.6 12.8



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: 10.639 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.02 min

Lab File: VL037669.D

Acq: 23 Sep 2021 19:09

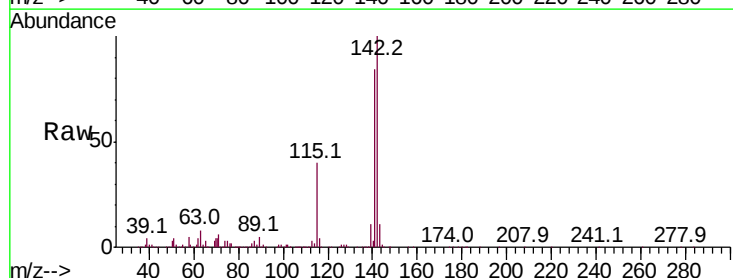
Tgt Ion:142 Resp: 1008003

Ion Ratio Lower Upper

142 100

141 85.1 70.9 106.3

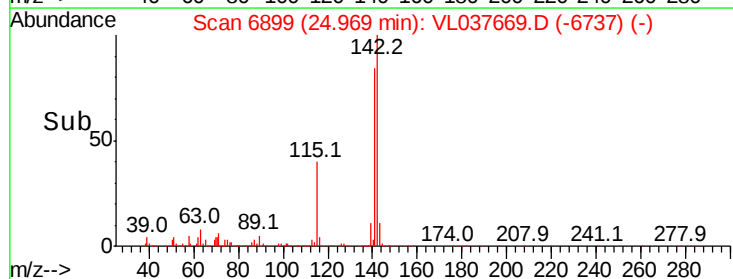
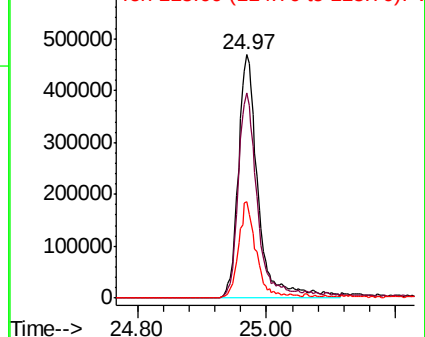
115 36.9 29.6 44.4

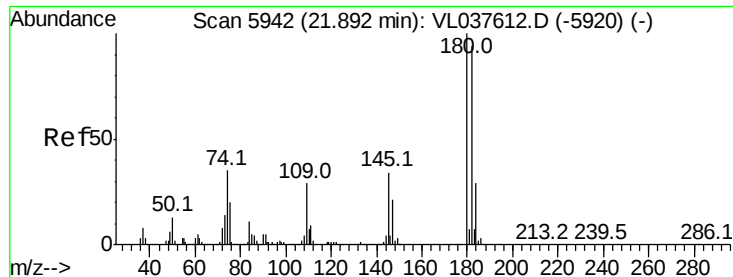


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

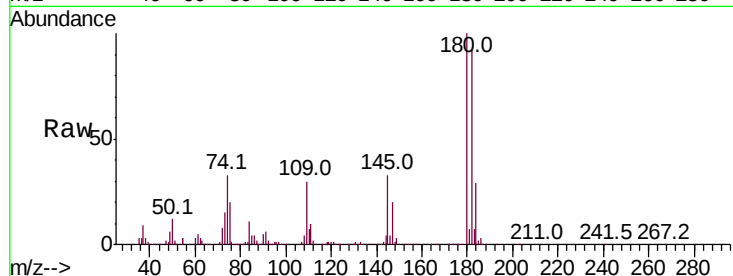




#81
 1,2,4-Trichlorobenzene
 Concen: 8.564 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.03 min
 Lab File: VL037669.D
 Acq: 23 Sep 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2279122
 Ion Ratio Lower Upper
 180 100
 182 97.6 78.9 118.3
 184 31.2 24.7 37.1



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

