

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037617.D
 Acq On : 16 Sep 2021 14:01
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:27:31 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	5.65	49	1688513	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4955911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	5521301	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3219859	8.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2354925	7.707	ppbv	100
3) Chlorodifluoromethane	2.98	51	2962815	9.303	ppbv	99
4) Chloromethane	3.13	50	1135893	9.653	ppbv	97
5) Vinyl Chloride	3.25	62	1120751	10.140	ppbv	100
6) Bromomethane	3.46	94	611436	9.518	ppbv	99
7) Chloroethane	3.55	64	362031	8.765	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2476798	9.397	ppbv	100
9) Propene	3.00	41	1124420	10.009	ppbv	96
10) Heptane	8.10	43	2709265	10.335	ppbv	99
11) Trichlorofluoromethane	3.94	101	2251234	9.177	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1706847	9.427	ppbv	99
13) Ethanol	3.60	45	53242	4.845	ppbv #	33
14) Bromoethene	3.73	108	783222	9.503	ppbv	99
15) Acetone	3.84	43	1272195	7.252	ppbv	97
16) 1,3-Butadiene	3.32	39	1080395	9.856	ppbv	99
17) tert-Butyl alcohol	4.27	59	1571800	10.566	ppbv	99
18) 1,1-Dichloroethene	4.28	96	779821	9.245	ppbv	99
19) Isopropyl Alcohol	3.94	45	988918	10.360	ppbv #	95
20) Methylene Chloride	4.33	84	641711	7.662	ppbv	95
21) Allyl Chloride	4.40	41	1302293	9.936	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	780158	9.193	ppbv	97
23) Vinyl Acetate	5.06	43	2162659	8.908	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1597230	9.184	ppbv	98
25) Ethyl Acetate	5.66	43	4228079	9.951	ppbv	99
26) Hexane	5.67	57	1964044	9.731	ppbv	98
27) Carbon Disulfide	4.54	76	1972337	10.682	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1658252	9.328	ppbv	99
29) Chloroform	5.73	83	2758519	9.360	ppbv	97
30) Cyclohexane	7.11	84	1698807	9.841	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1866994	10.189	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2648626	9.653	ppbv	100
34) 2-Butanone	5.23	43	1836352	9.118	ppbv	98
35) Carbon Tetrachloride	7.00	117	2769711	9.880	ppbv	99
36) Benzene	6.87	78	4075013	9.861	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1958332	9.635	ppbv	100
38) Trichloroethene	7.82	130	1601485	9.277	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1573592	9.942	ppbv	98
40) 1,4-Dioxane	7.82	88	388209	10.083	ppbv #	1
41) Tetrahydrofuran	6.03	42	1010375	10.672	ppbv	99
42) Bromodichloromethane	7.77	83	2944837	10.109	ppbv	97
43) Methyl Methacrylate	7.99	69	1455841	10.589	ppbv	97

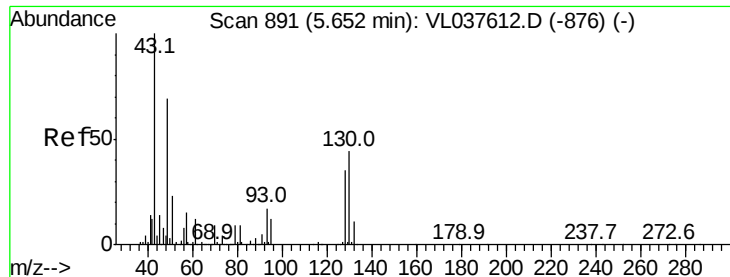
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6804955	9.795	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1279424	11.848	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1686287	11.560	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1620697	9.256	ppbv	96
48) Dibromochloromethane	10.28	129	2546145	10.424	ppbv	100
49) Bromoform	13.02	173	2020718	10.336	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2586432	10.118	ppbv	98
51) 2-Hexanone	10.11	43	1211931	10.746	ppbv	98
52) Tetrachloroethene	11.20	164	1474584	9.295	ppbv	98
53) Toluene	9.79	91	4692161	10.215	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2343342	9.774	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1752406	7.652	ppbv	96
57) Chlorobenzene	12.13	112	3386252	7.377	ppbv	98
58) Ethyl Benzene	12.69	91	5935088	8.098	ppbv	100
59) m/p-Xylene	12.97	91	4680339	7.328	ppbv #	23
60) o-Xylene	13.67	91	4559827	7.501	ppbv	100
61) Styrene	13.50	104	2622511	8.749	ppbv	100
62) Isopropylbenzene	14.64	105	6371762	7.503	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3129156	6.577	ppbv	100
64) n-propylbenzene	15.54	120	1716825	7.834	ppbv	95
65) tert-Butylbenzene	16.72	119	5500541	7.184	ppbv	100
66) Benzyl Chloride	16.96	91	337936	8.076	ppbv	98
67) sec-Butylbenzene	17.27	105	7583489	7.300	ppbv	99
69) p-Isopropyltoluene	17.63	119	6365594	7.500	ppbv	100
70) n-Butylbenzene	18.53	91	6252470	7.786	ppbv	100
71) 2-Chlorotoluene	15.43	91	4634685	7.615	ppbv	99
72) 4-Ethyltoluene	15.82	105	5358997	7.679	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4805323	7.388	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4992633	7.287	ppbv #	92
75) 1,3-Dichlorobenzene	16.97	146	3030146	7.119	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2922252	6.961	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2947725	7.301	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	2373501	6.985	ppbv	100
79) Naphthalene	22.17	128	4210458	10.009	ppbv	100
80) Naphthalene, 2-methyl-	24.95	142	1296779	13.487	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2430301	8.998	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

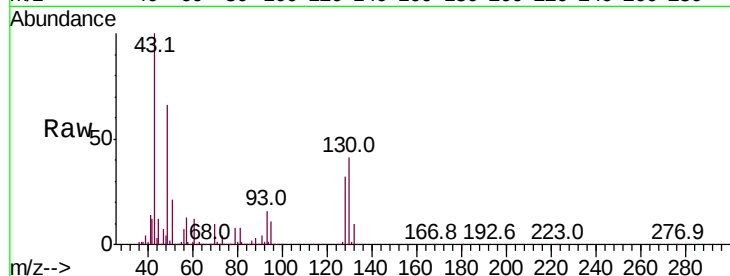
Tot Ion: 49 Resp: 1688513

Ion Ratio Lower Upper

49 100

128 55.1 27.9 83.6

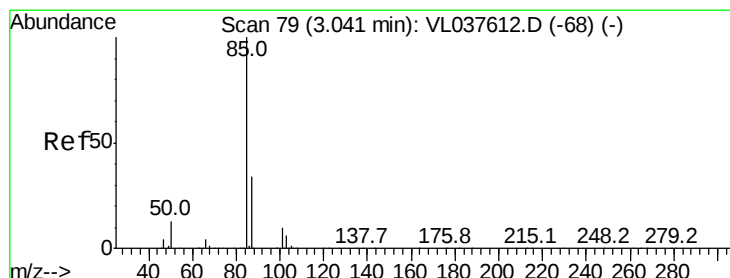
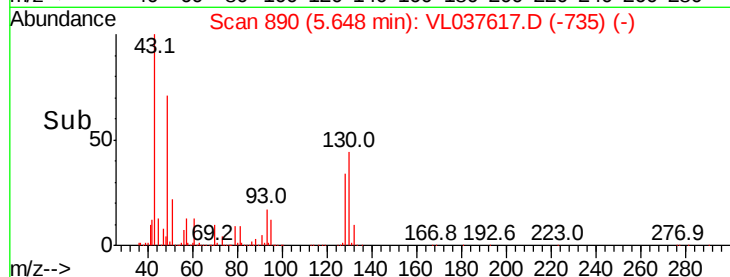
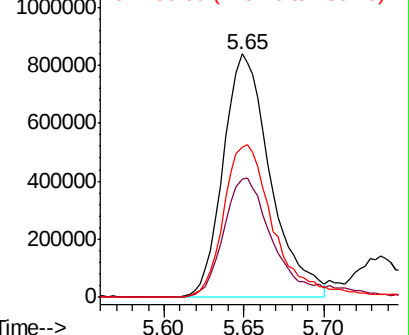
130 67.7 33.9 101.7



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: 7.707 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037617.D

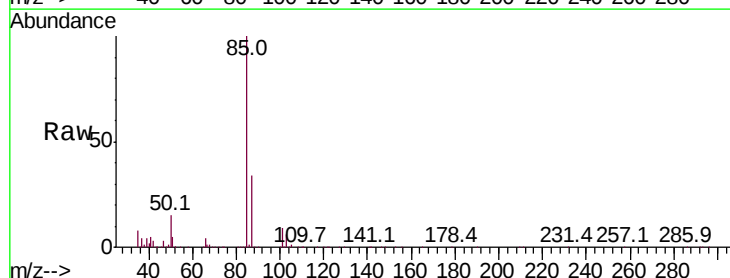
Acq: 16 Sep 2021 14:01

Tgt Ion: 85 Resp: 2354925

Ion Ratio Lower Upper

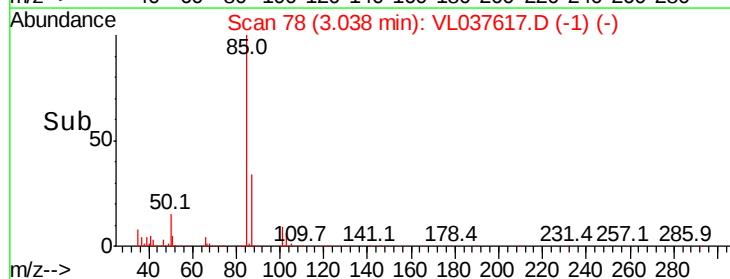
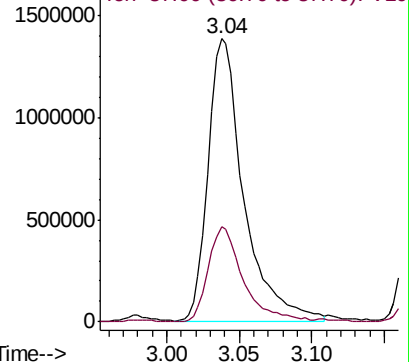
85 100

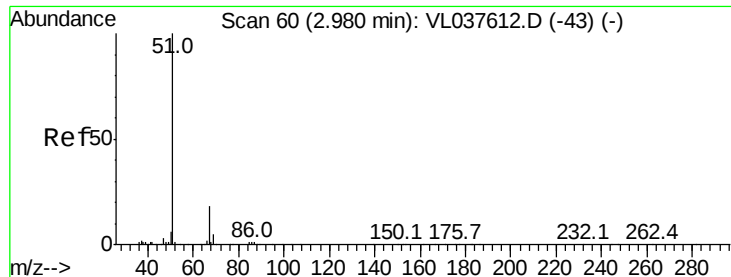
87 33.7 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.303 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

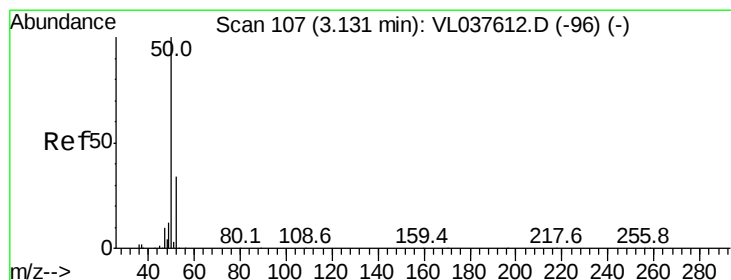
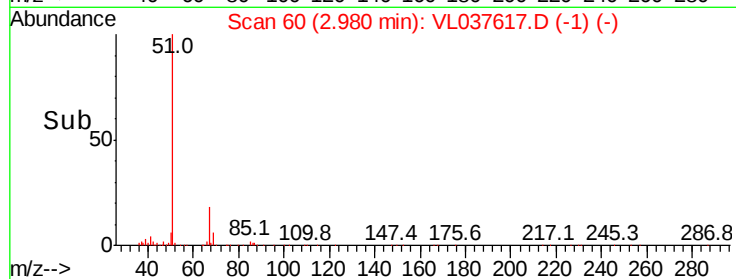
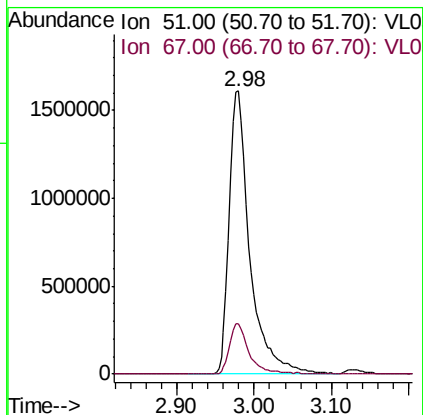
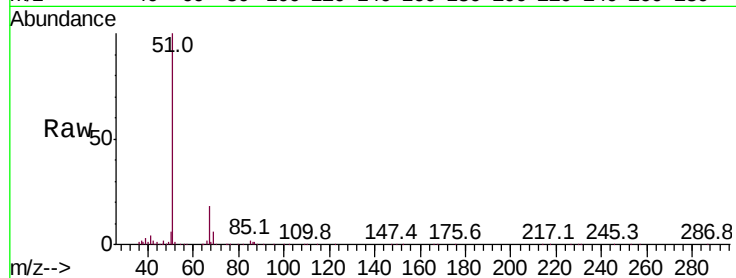
ClientSampleId :

Tot Ion: 51 Resp: 2962815

Ion Ratio Lower Upper

51 100

67 17.1 14.0 21.0



#4

Chloromethane

Concen: 9.653 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037617.D

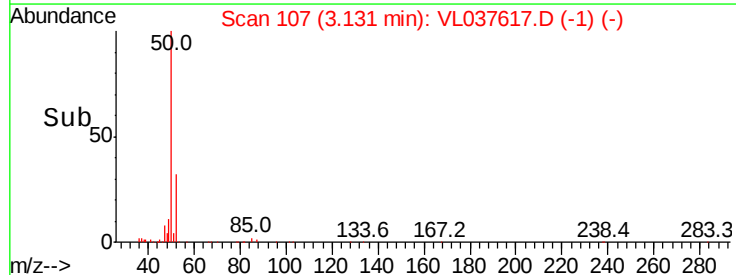
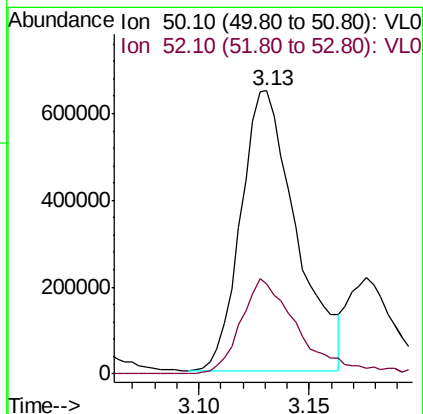
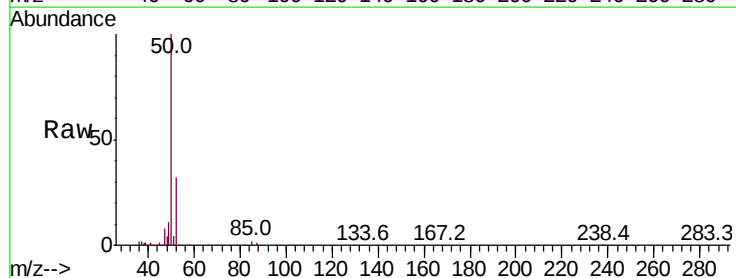
Acq: 16 Sep 2021 14:01

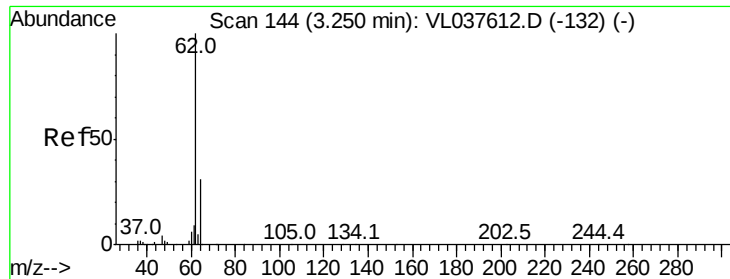
Tgt Ion: 50 Resp: 1135893

Ion Ratio Lower Upper

50 100

52 32.0 27.1 40.7





#5

Vinyl Chloride

Concen: 10.140 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

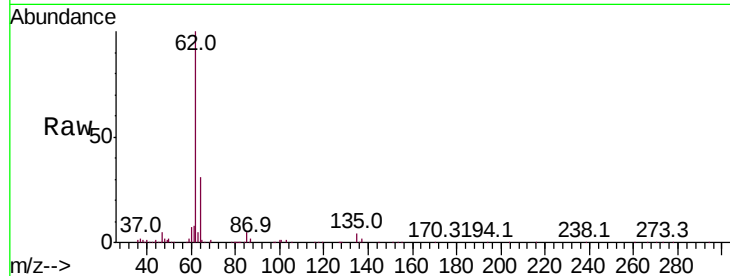
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 1120751

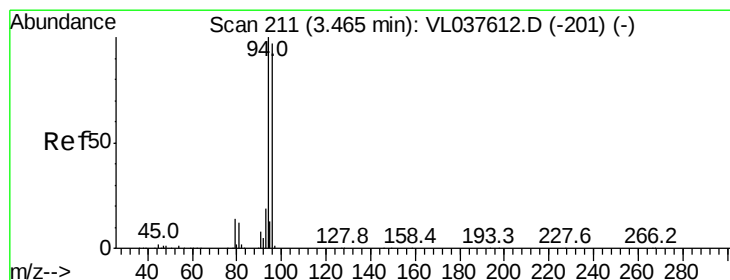
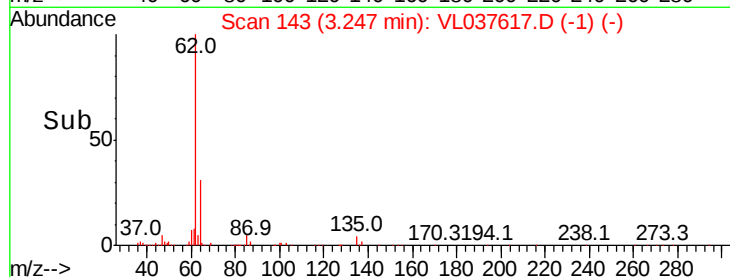
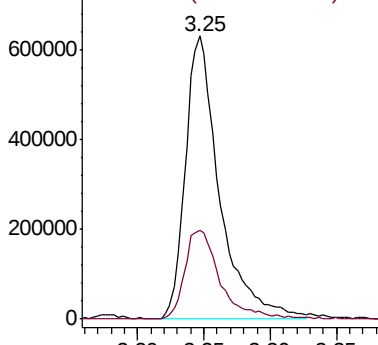
Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.518 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037617.D

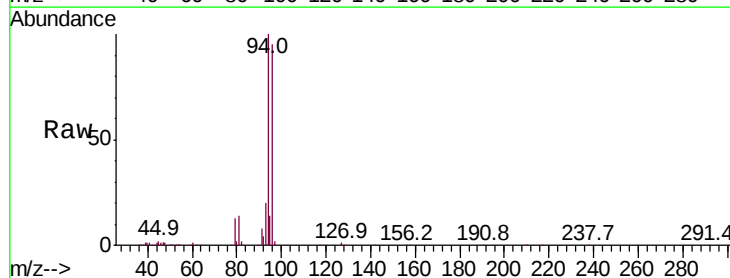
Acq: 16 Sep 2021 14:01

Tgt Ion: 94 Resp: 611436

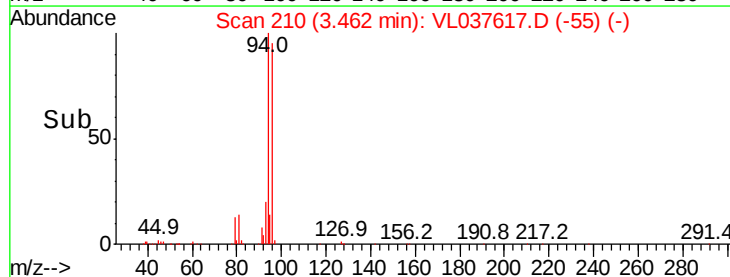
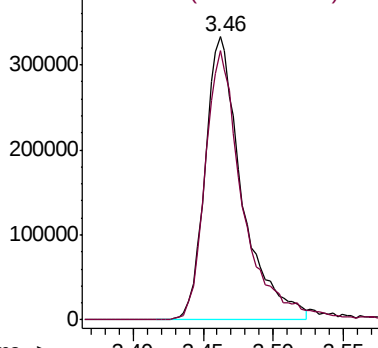
Ion Ratio Lower Upper

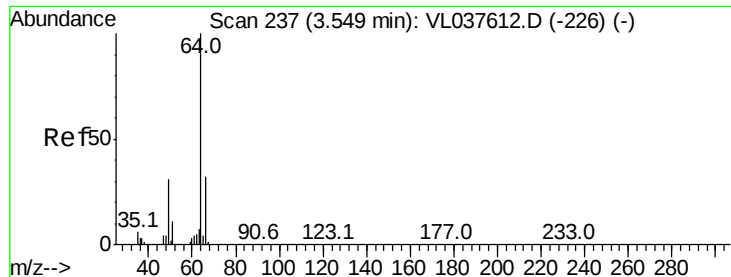
94 100

96 95.3 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0
Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.765 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

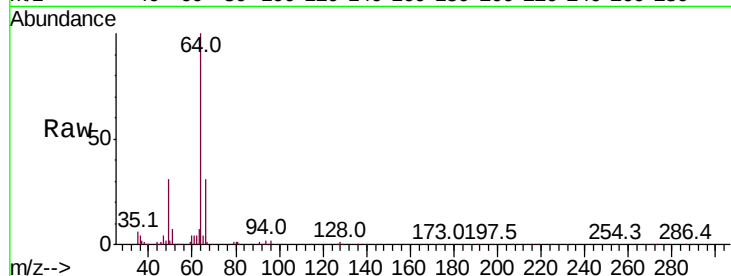
ClientSampled :

Tot Ion: 64 Resp: 362031

Ion Ratio Lower Upper

64 100

66 31.1 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

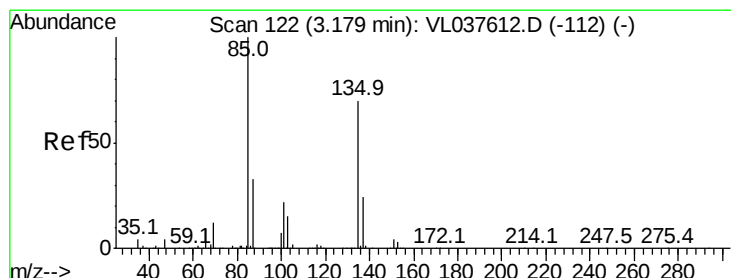
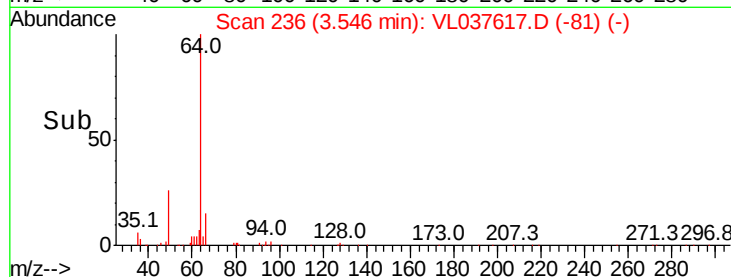
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.397 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037617.D

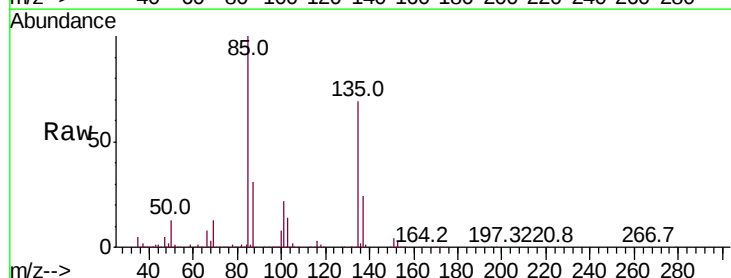
Acq: 16 Sep 2021 14:01

Tgt Ion: 85 Resp: 2476798

Ion Ratio Lower Upper

85 100

135 74.3 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

0

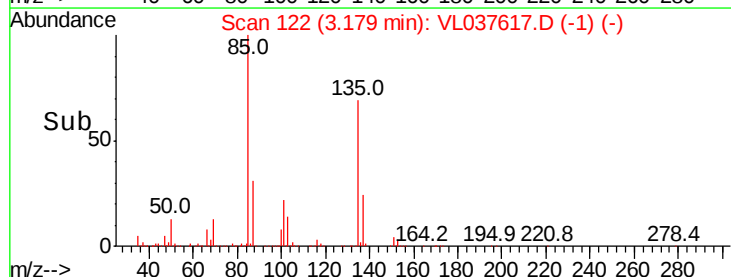
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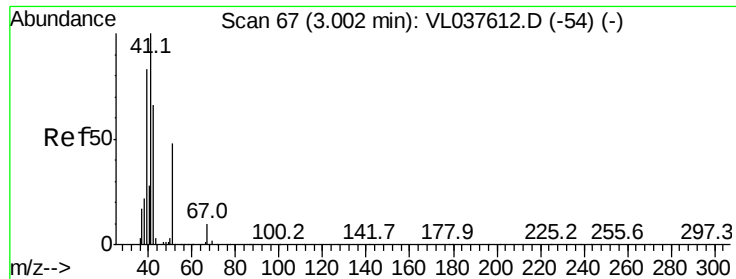
3.18

3.20

3.25

Time-->





#9

Propene

Concen: 10.009 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

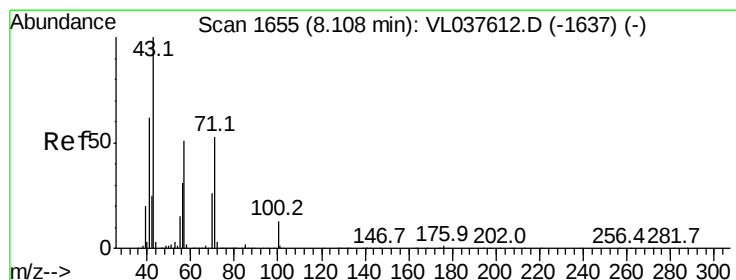
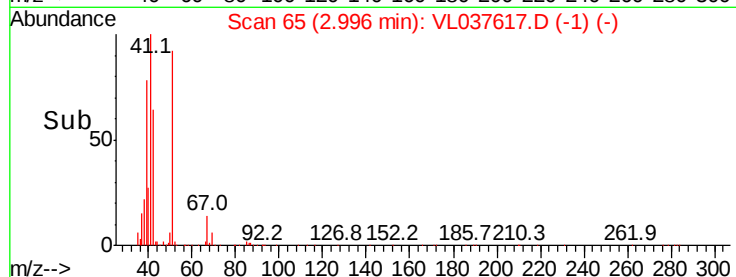
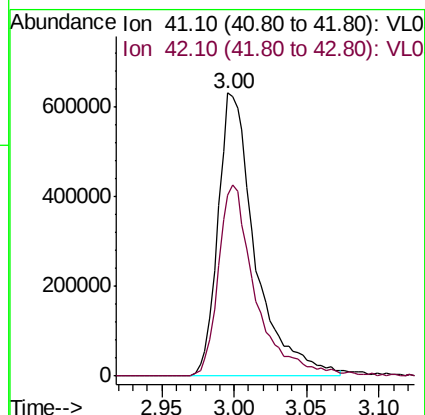
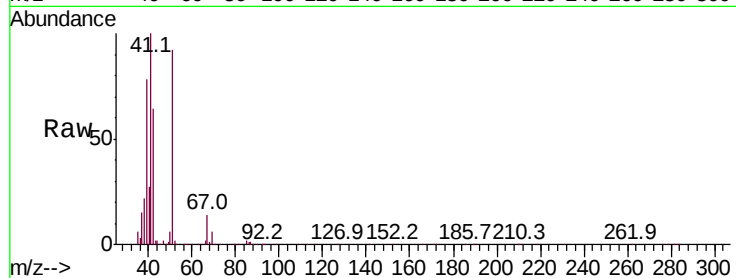
ClientSampleId :

Tot Ion: 41 Resp: 1124420

Ion Ratio Lower Upper

41 100

42 68.4 57.2 85.8



#10

Heptane

Concen: 10.335 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037617.D

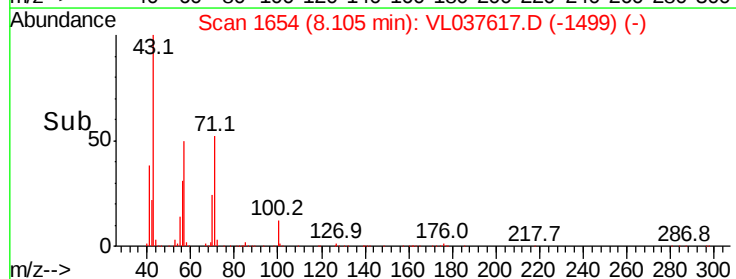
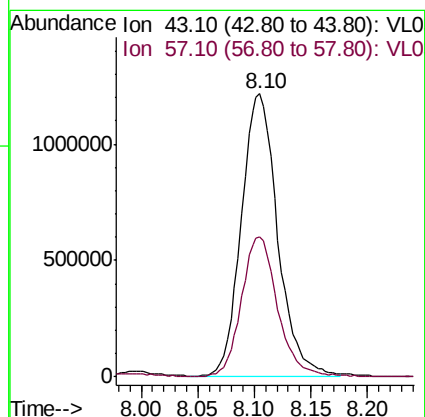
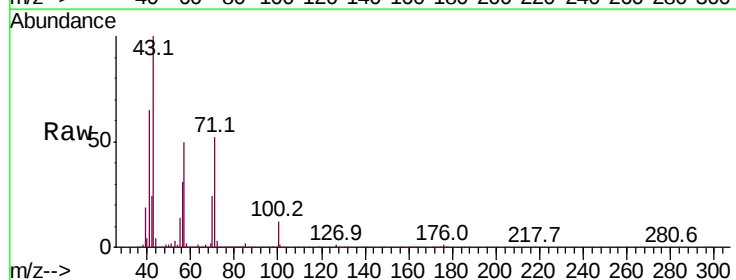
Acq: 16 Sep 2021 14:01

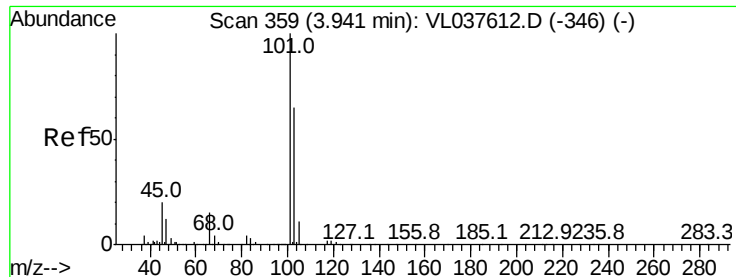
Tgt Ion: 43 Resp: 2709265

Ion Ratio Lower Upper

43 100

57 49.5 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.177 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

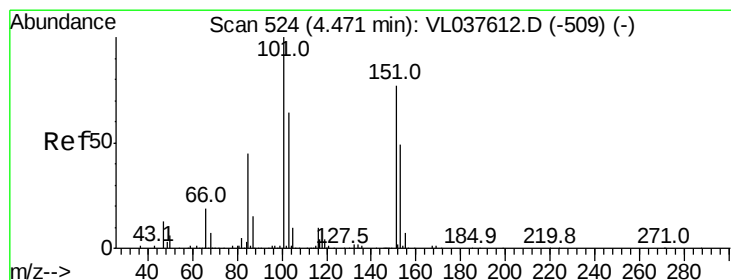
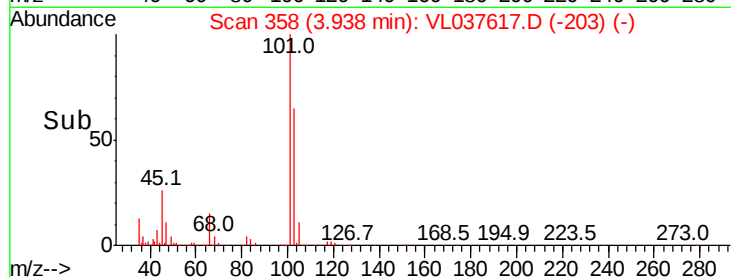
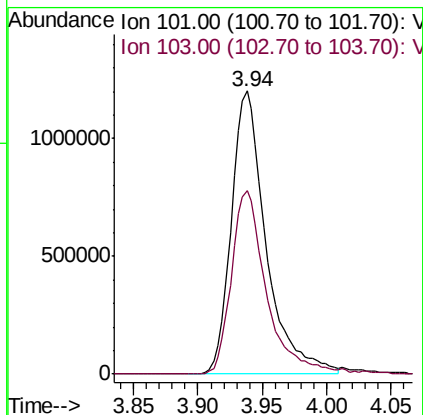
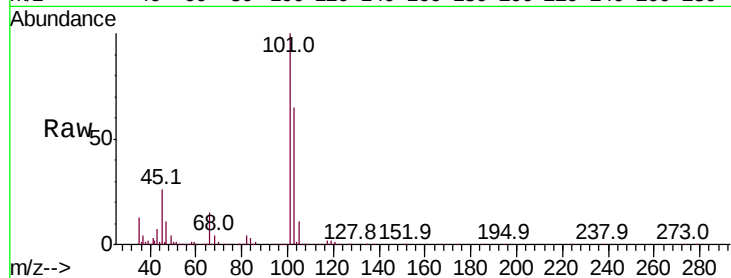
ClientSampleId :

Tot Ion:101 Resp: 2251234

Ion Ratio Lower Upper

101 100

103 65.0 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.427 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL037617.D

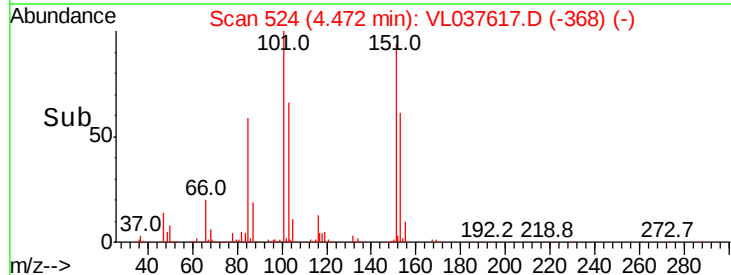
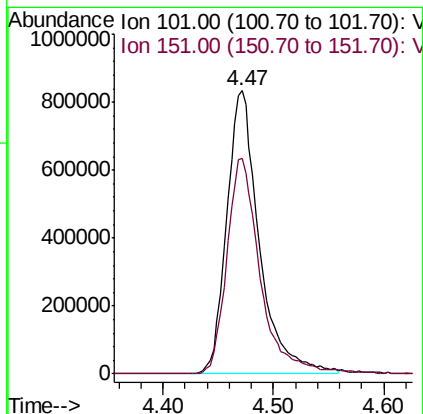
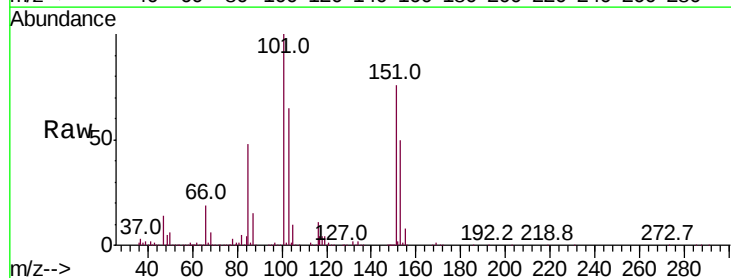
Acq: 16 Sep 2021 14:01

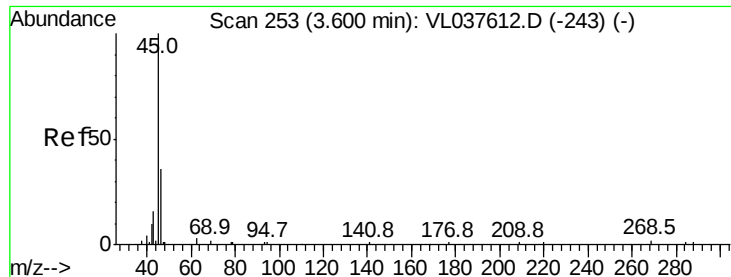
Tgt Ion:101 Resp: 1706847

Ion Ratio Lower Upper

101 100

151 78.5 63.5 95.3

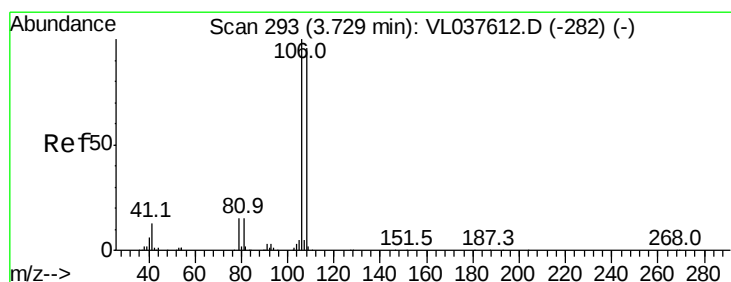
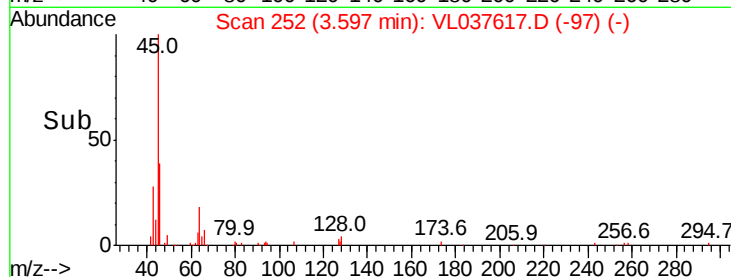
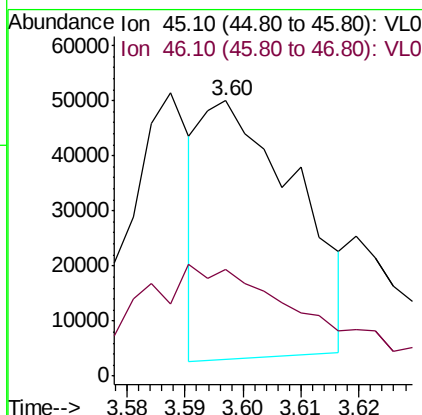
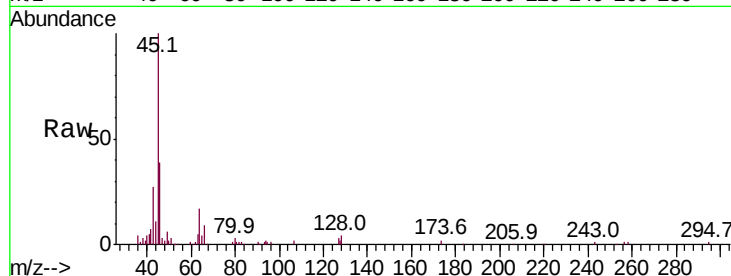




#13
Ethanol
Concen: 4.845 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

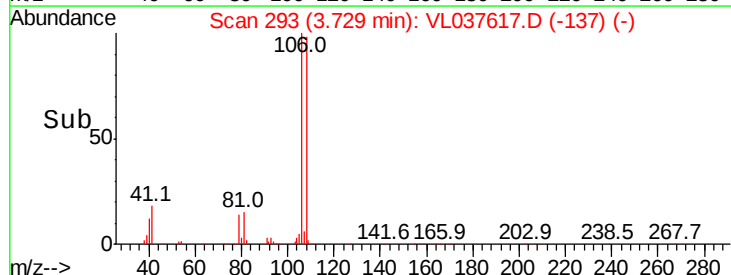
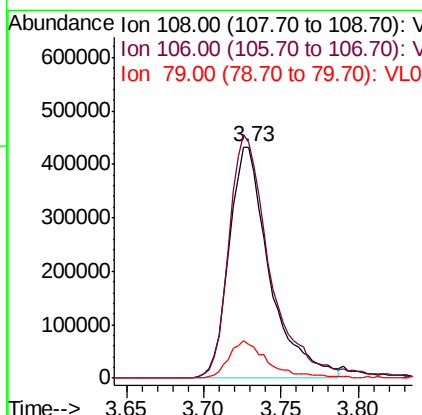
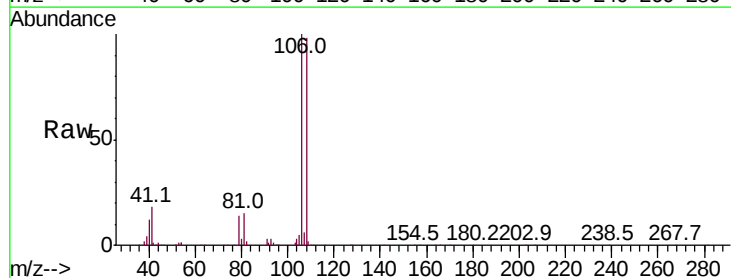
Instrument :
MSVOA_L
ClientSampled :

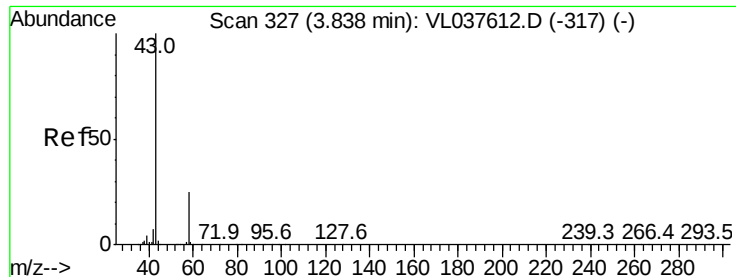
Tot Ion: 45 Resp: 53242
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#



#14
Bromoethene
Concen: 9.503 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 108 Resp: 783222
Ion Ratio Lower Upper
108 100
106 109.7 88.2 132.4
79 16.5 12.8 19.2





#15

Acetone

Concen: 7.252 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

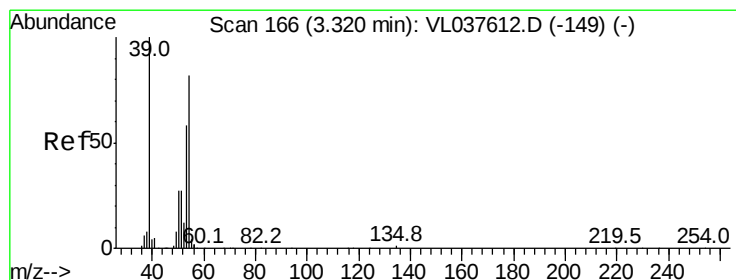
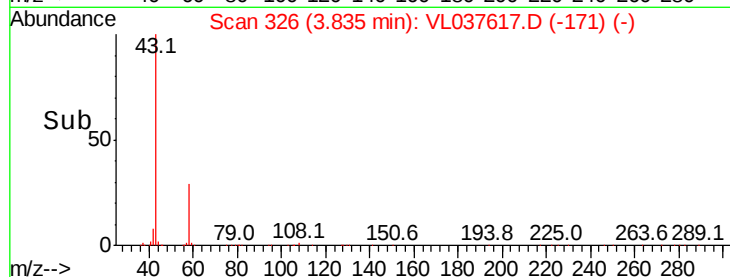
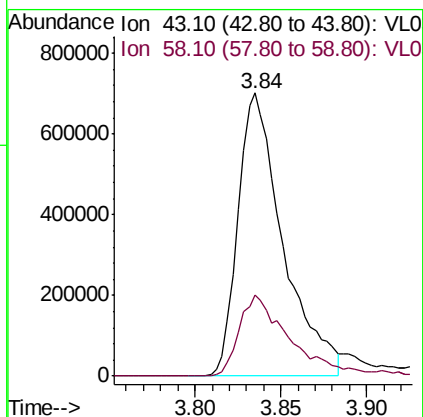
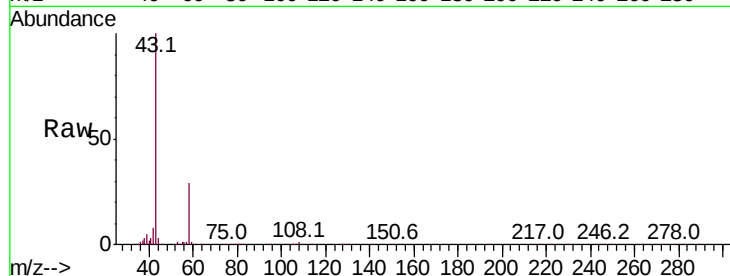
ClientSampleId :

Tot Ion: 43 Resp: 1272195

Ion Ratio Lower Upper

43 100

58 32.9 24.9 37.3



#16

1,3-Butadiene

Concen: 9.856 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037617.D

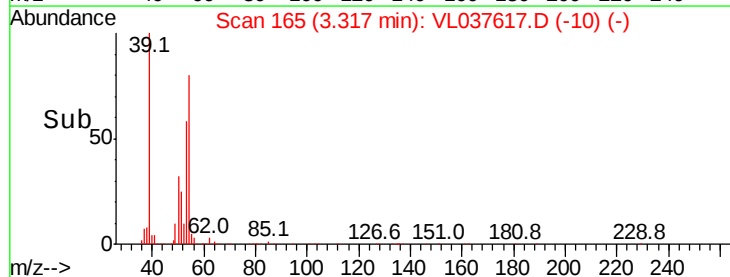
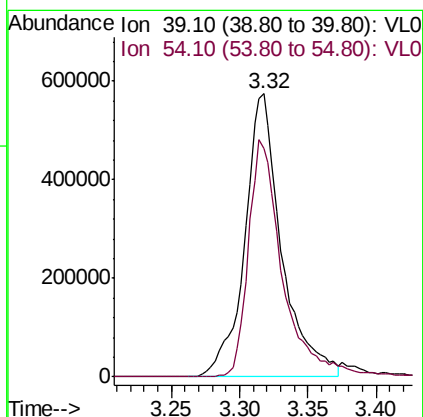
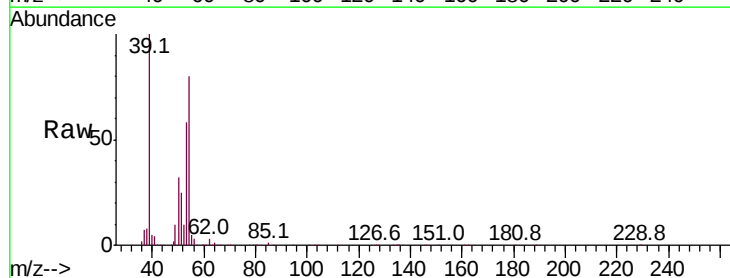
Acq: 16 Sep 2021 14:01

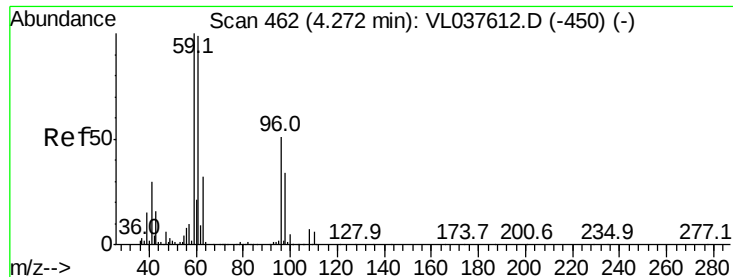
Tgt Ion: 39 Resp: 1080395

Ion Ratio Lower Upper

39 100

54 78.7 62.6 93.8



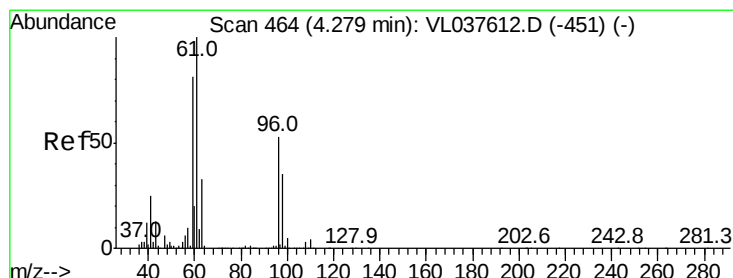
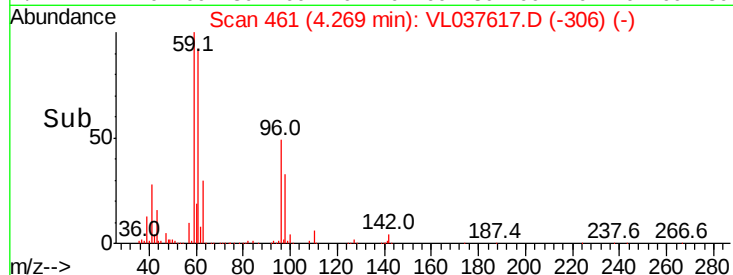
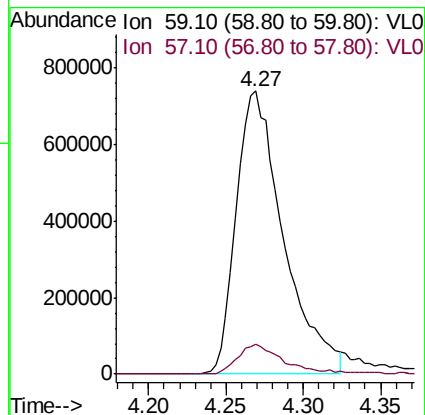
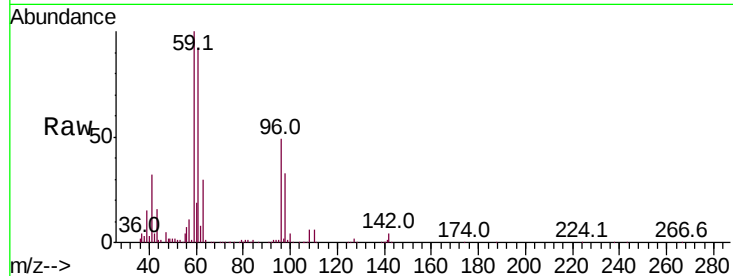


#17

tert-Butyl alcohol
 Concen: 10.566 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

Instrument :
 MSVOA_L
 ClientSampleId :

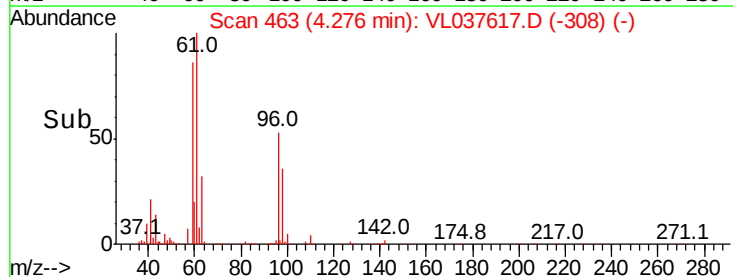
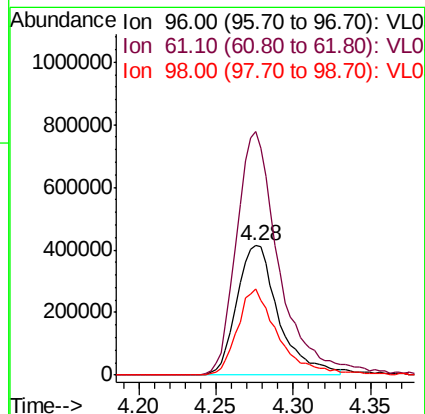
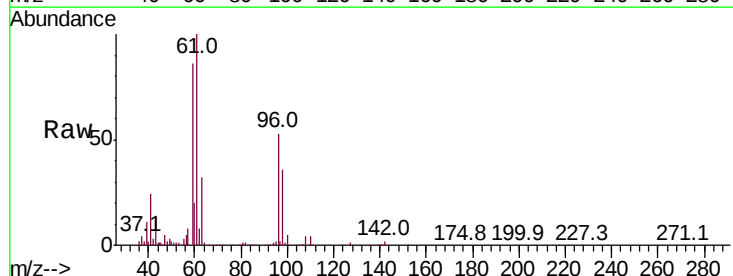
Tot Ion: 59 Resp: 1571800
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6

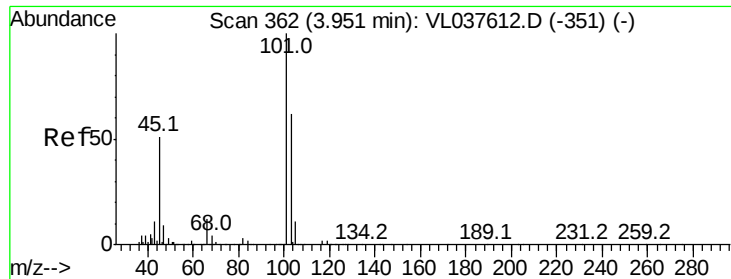


#18

1,1-Dichloroethene
 Concen: 9.245 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

Tgt Ion: 96 Resp: 779821
 Ion Ratio Lower Upper
 96 100
 61 188.1 150.4 225.6
 98 66.7 52.1 78.1





#19

Isopropyl Alcohol

Concen: 10.360 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

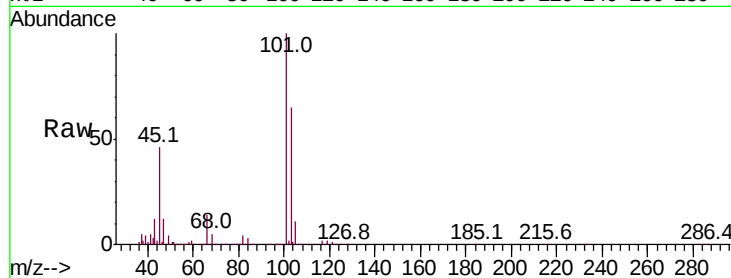
ClientSampleId :

Tot Ion: 45 Resp: 988918

Ion Ratio Lower Upper

45 100

58 1.8 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

400000

300000

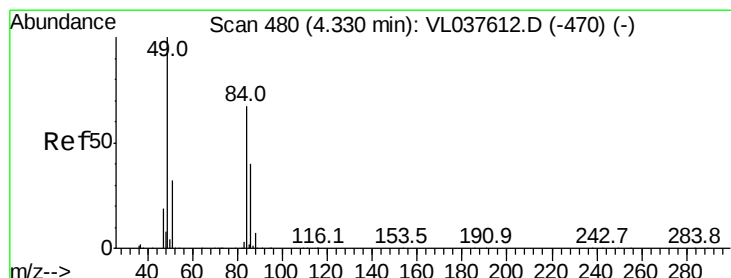
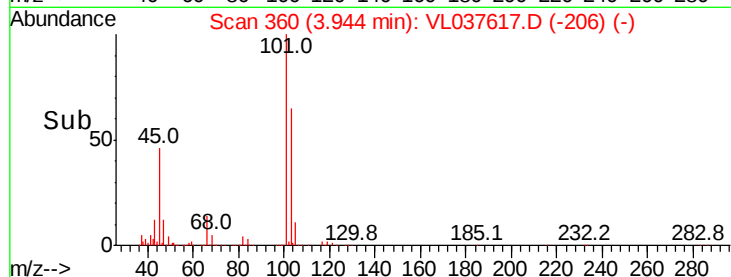
200000

100000

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 7.662 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Tgt Ion: 84 Resp: 641711

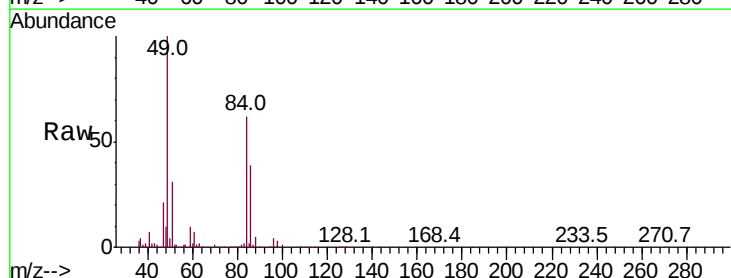
Ion Ratio Lower Upper

84 100

49 158.2 120.0 180.0

51 47.2 38.0 57.0

86 63.2 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

600000

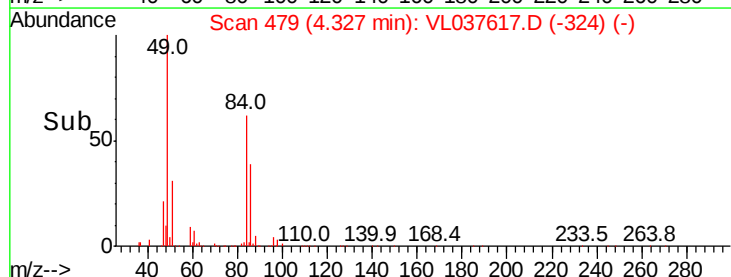
400000

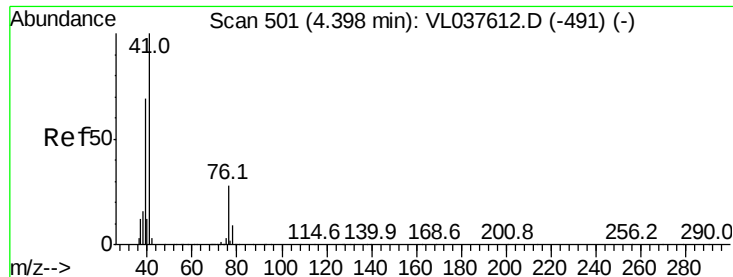
200000

0

Time-->

4.25 4.30 4.35 4.40





#21

Allvl Chloride

Concen: 9.936 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.00 min

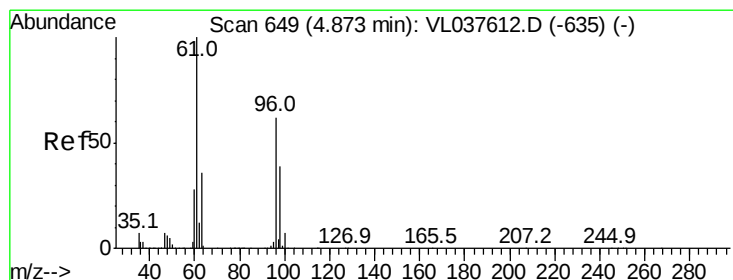
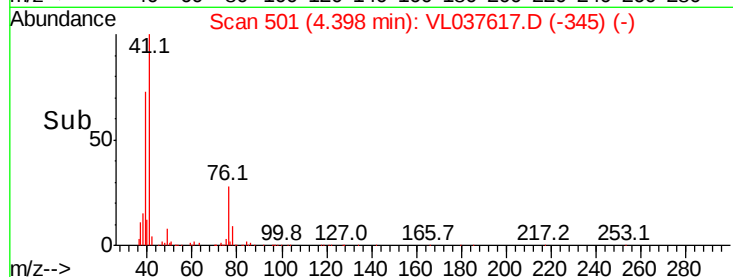
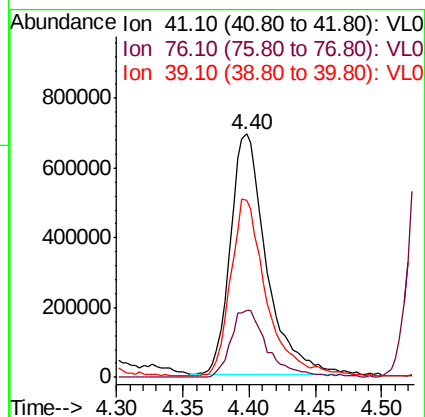
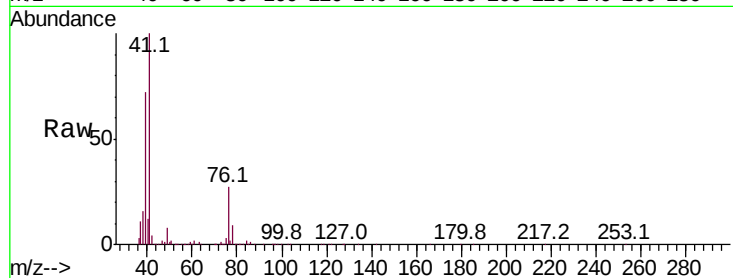
Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1302293

Ion	Ratio	Lower	Upper
41	100		
76	28.8	23.1	34.7
39	75.3	61.0	91.6



#22

trans-1,2-Dichloroethene

Concen: 9.193 ppbv

RT: 4.87 min Scan# 648

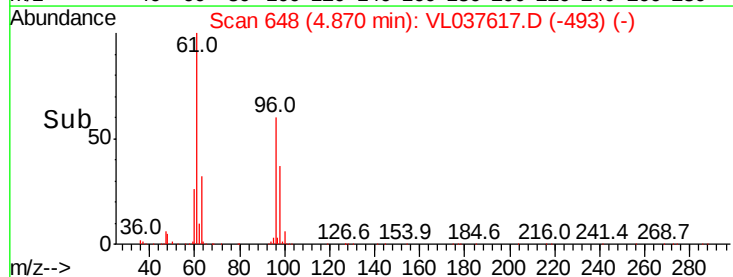
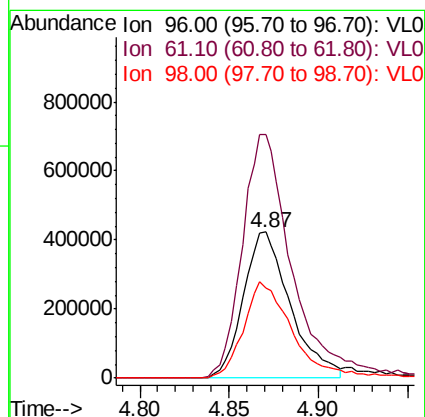
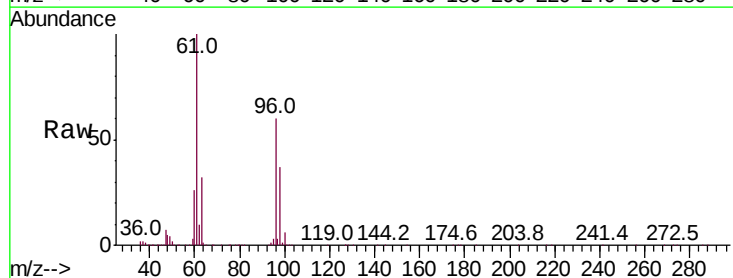
Delta R.T. -0.00 min

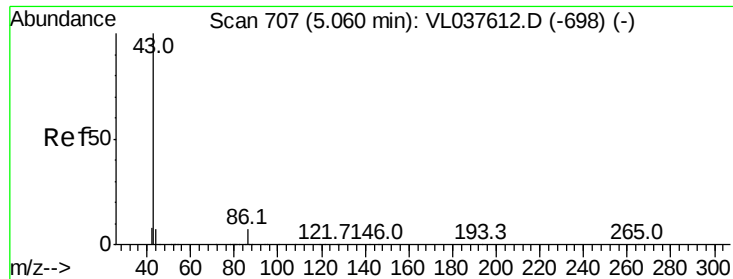
Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Tgt Ion: 96 Resp: 780158

Ion	Ratio	Lower	Upper
96	100		
61	166.7	129.2	193.8
98	62.0	50.4	75.6





#23

Vinyl Acetate

Concen: 8.908 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2162659

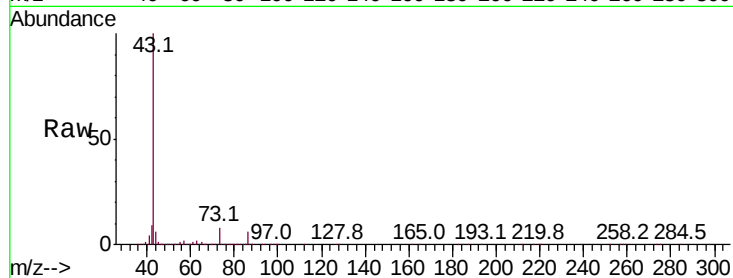
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.0	7.6
42	9.1	7.5	11.3
44	5.3	4.7	7.1

43 100

86 6.3 5.0 7.6

42 9.1 7.5 11.3

44 5.3 4.7 7.1

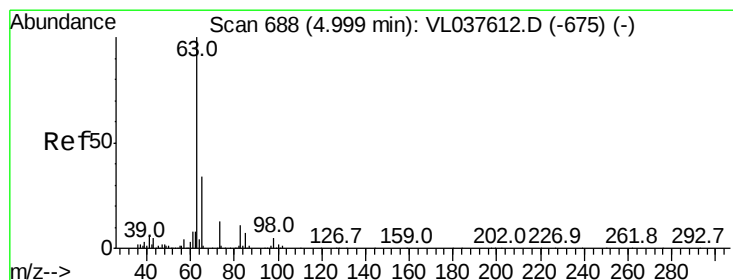
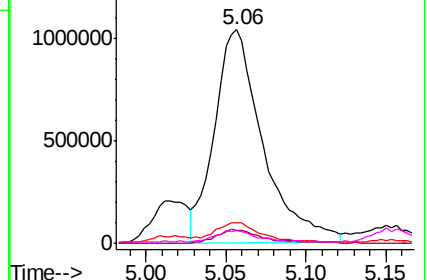
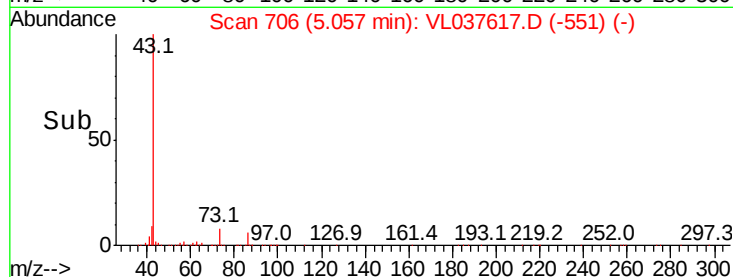


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.184 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

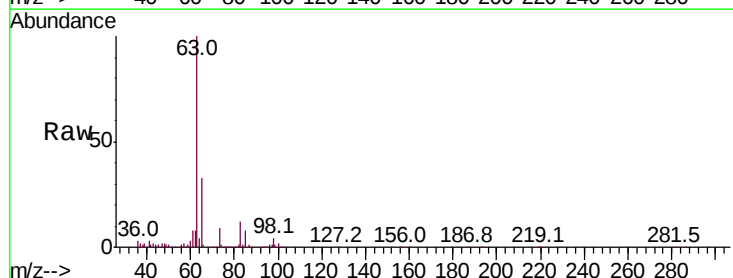
Tgt Ion: 63 Resp: 1597230

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.4	7.2
100	2.4	1.1	3.5

63 100

98 3.7 2.4 7.2

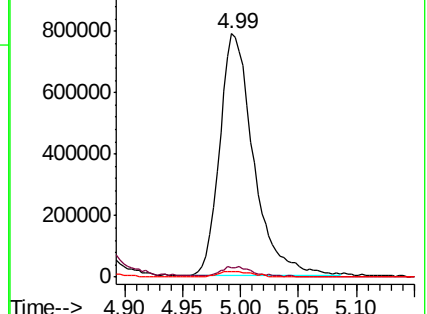
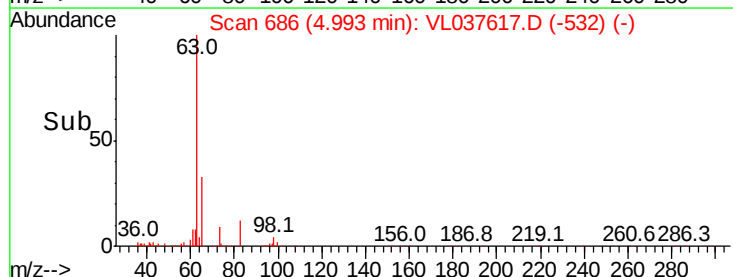
100 2.4 1.1 3.5

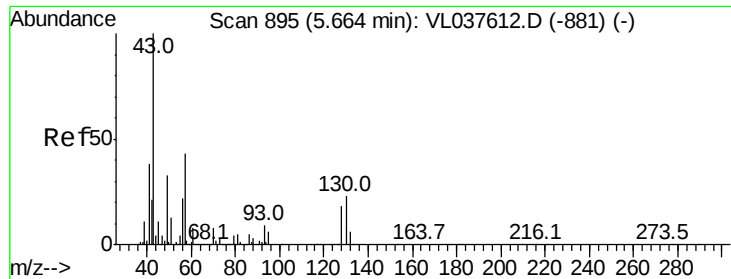


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



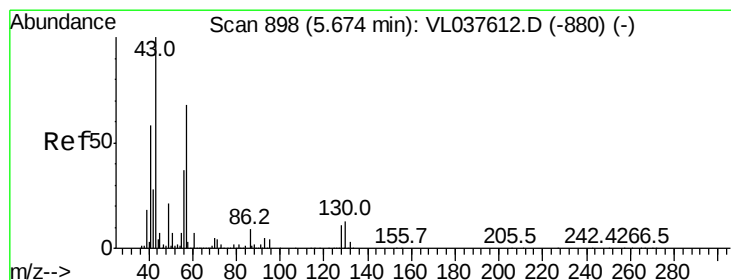
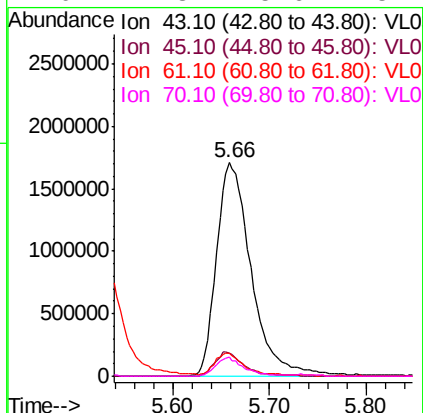
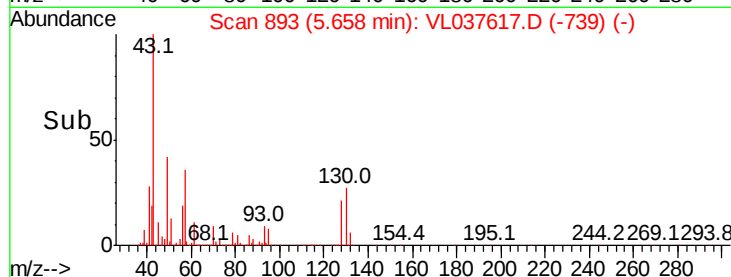
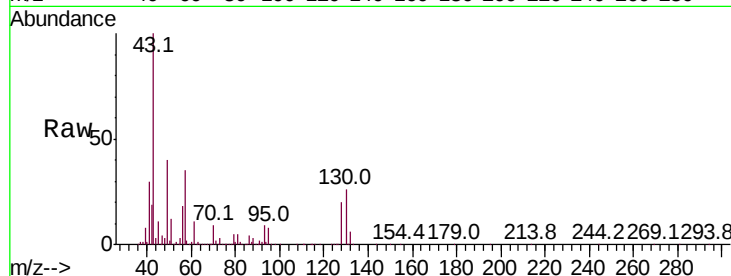


#25
Ethyl Acetate
Concen: 9.951 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 4228079

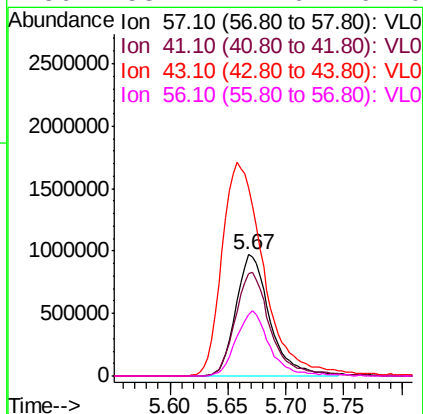
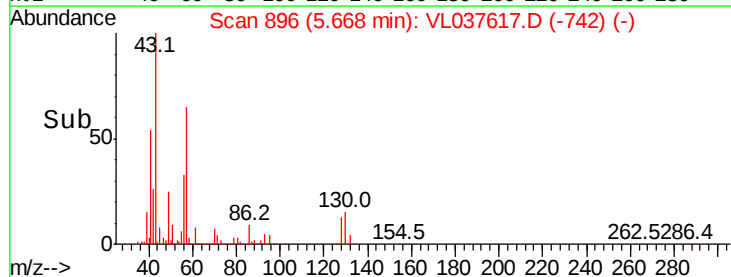
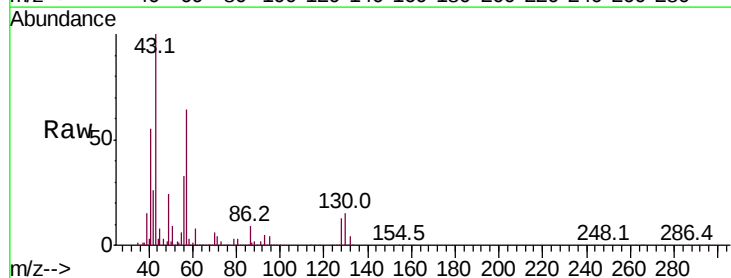
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.2	7.5	11.3
70	7.3	5.6	8.4

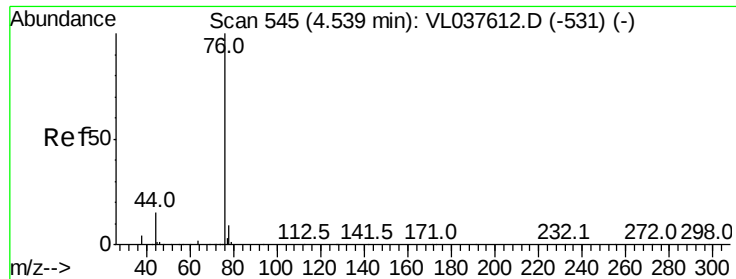


#26
Hexane
Concen: 9.731 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 57 Resp: 1964044

Ion	Ratio	Lower	Upper
57	100		
41	89.0	70.9	106.3
43	217.4	170.4	255.6
56	53.4	42.6	64.0





#27

Carbon Disulfide

Concen: 10.682 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

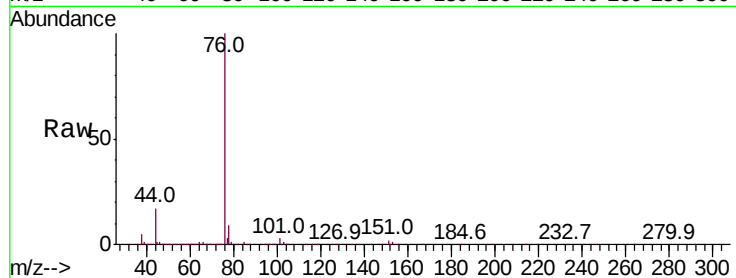
Tot Ion: 76 Resp: 1972337

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.2	21.2
78	9.9	7.4	11.0

76 100

44 17.8 14.2 21.2

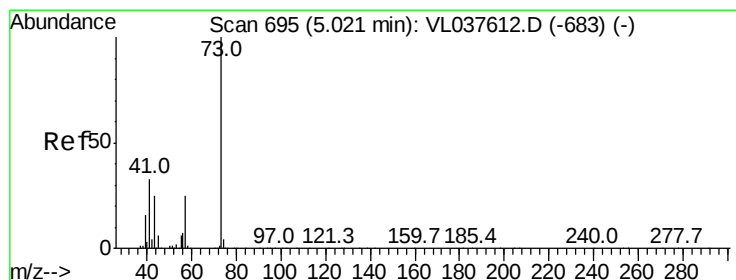
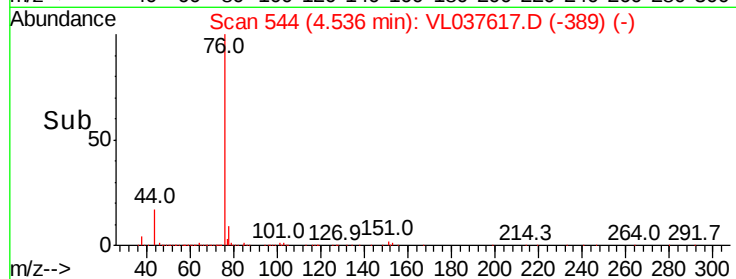
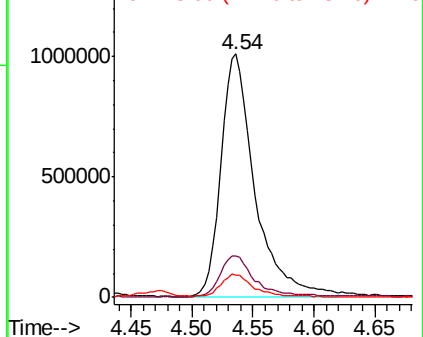
78 9.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.328 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.01 min

Lab File: VL037617.D

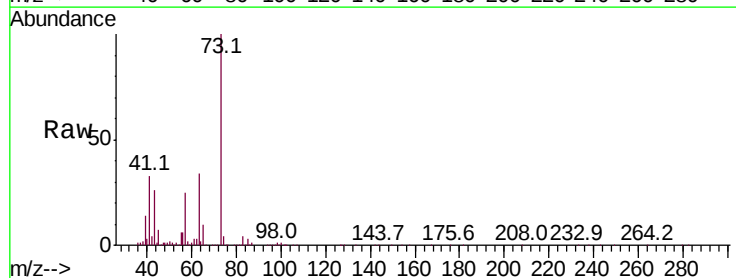
Acq: 16 Sep 2021 14:01

Tgt Ion: 73 Resp: 1658252

Ion	Ratio	Lower	Upper
73	100		
57	24.7	20.1	30.1

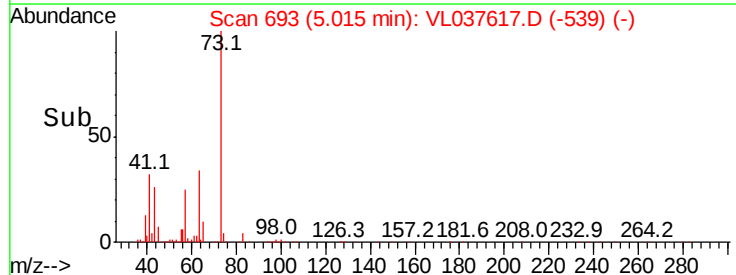
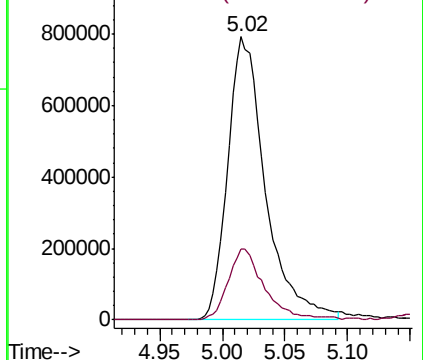
73 100

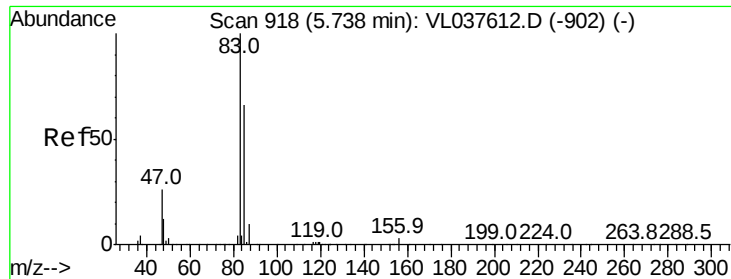
57 24.7 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

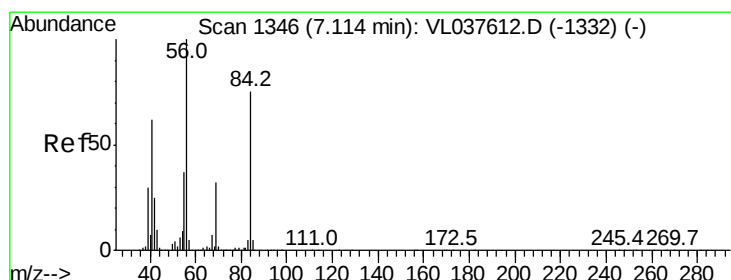
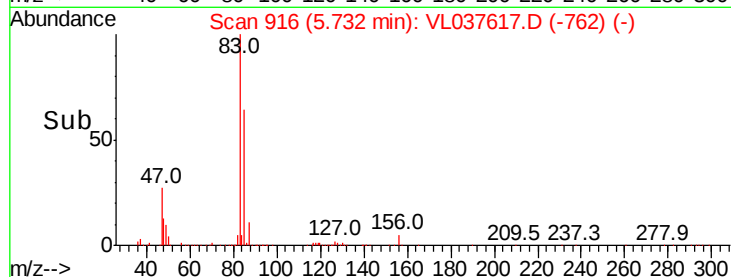
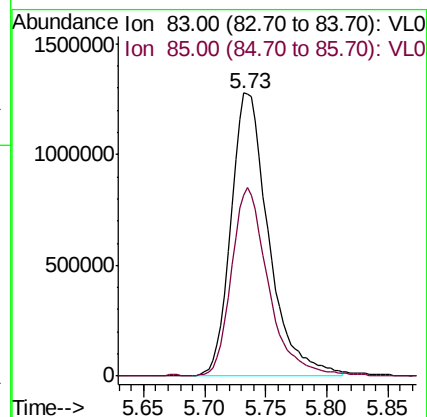
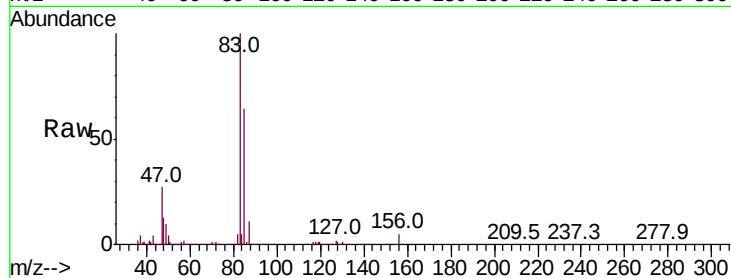




#29
Chloroform
Concen: 9.360 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

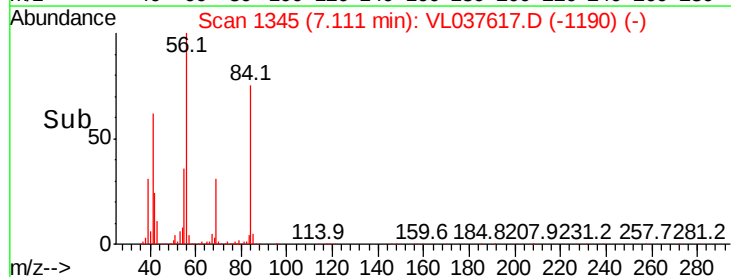
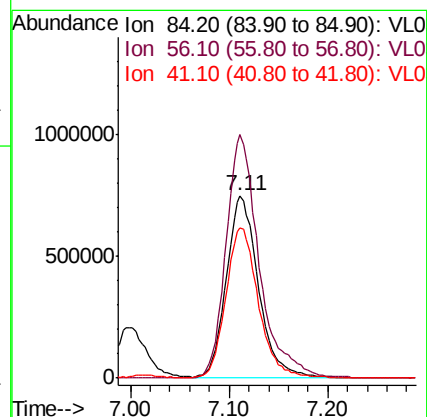
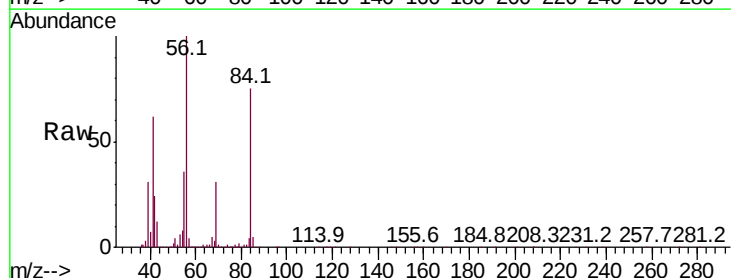
Instrument :
MSVOA_L
ClientSampled :

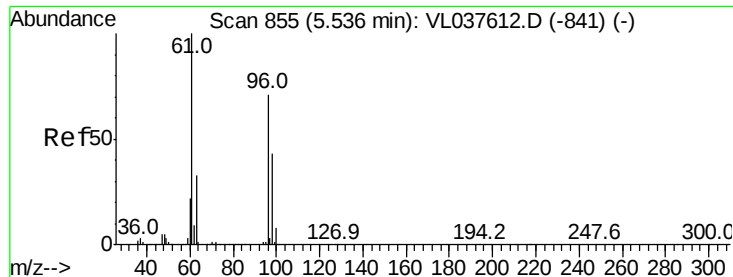
Tot Ion: 83 Resp: 2758519
Ion Ratio Lower Upper
83 100
85 63.6 52.6 79.0



#30
Cyclohexane
Concen: 9.841 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 84 Resp: 1698807
Ion Ratio Lower Upper
84 100
56 138.6 113.6 170.4
41 83.6 67.9 101.9



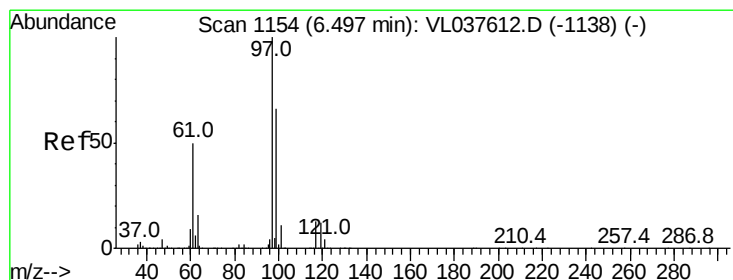
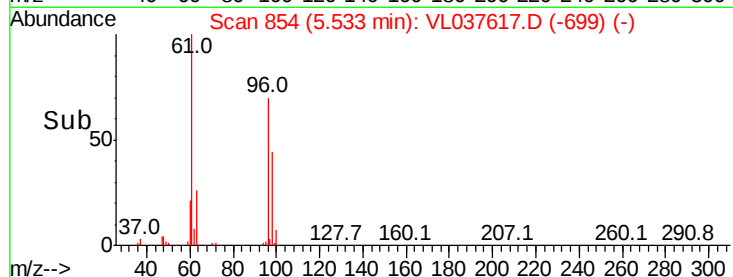
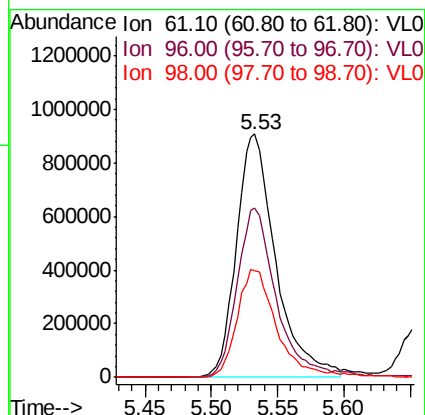
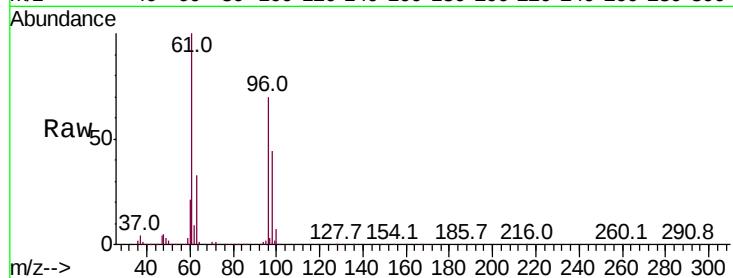


#31

cis-1,2-Dichloroethene
Concen: 10.189 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

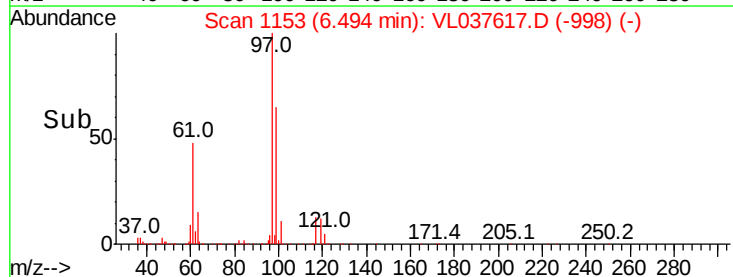
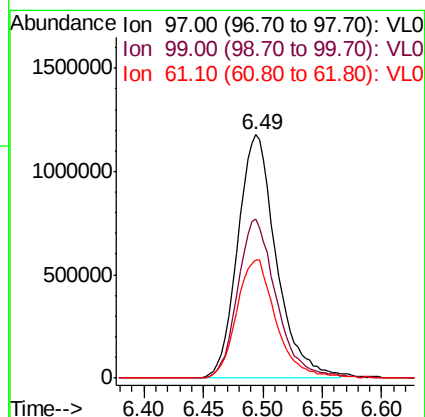
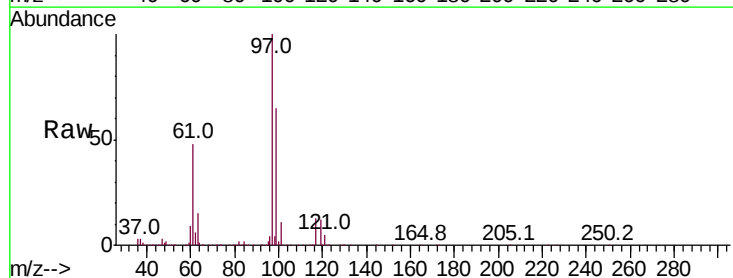
Tot Ion: 61 Resp: 1866994
Ion Ratio Lower Upper
61 100
96 69.6 56.7 85.1
98 44.0 34.6 52.0

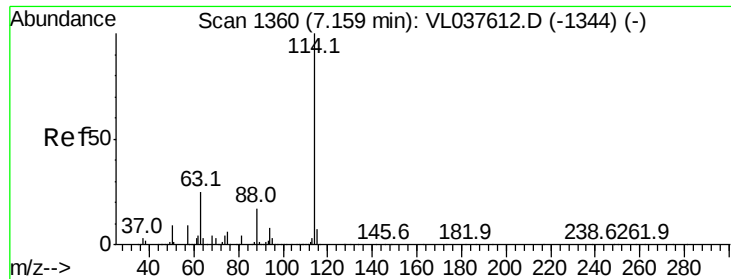


#32

1,1,1-Trichloroethane
Concen: 9.653 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 97 Resp: 2648626
Ion Ratio Lower Upper
97 100
99 65.7 52.3 78.5
61 49.5 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

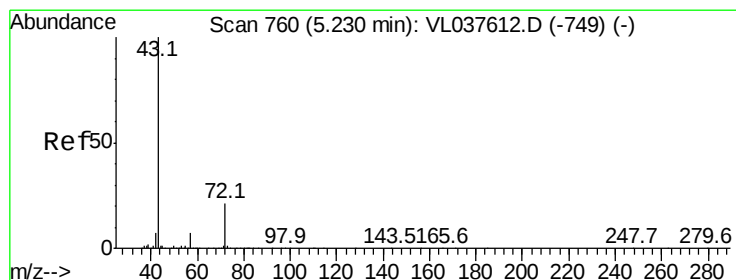
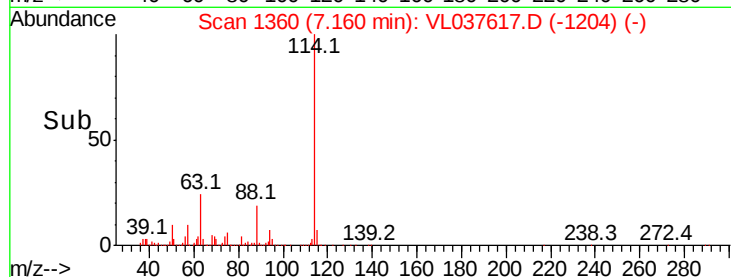
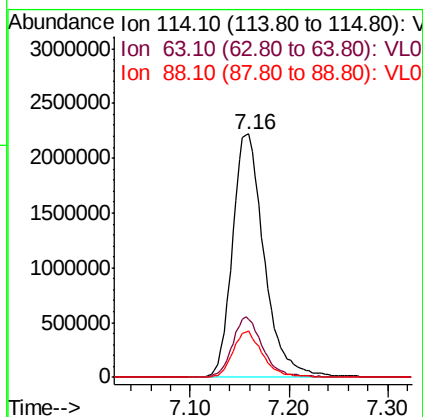
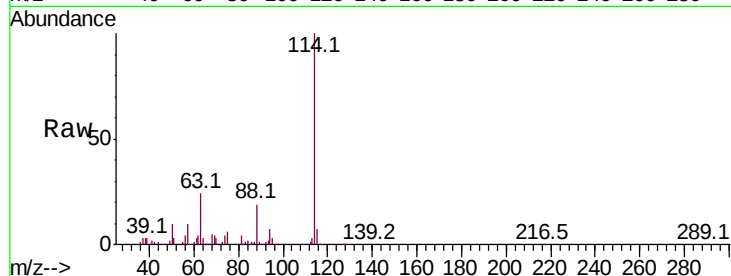
Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:114 Resp: 4955911

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 9.118 ppbv

RT: 5.23 min Scan# 759

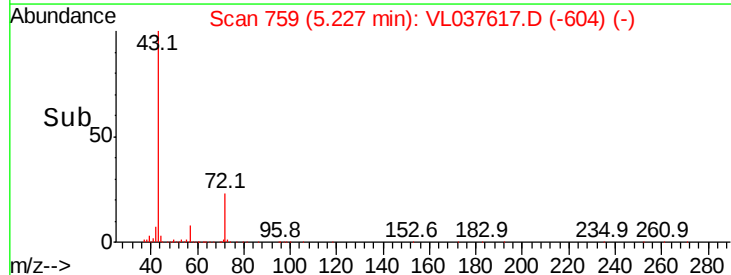
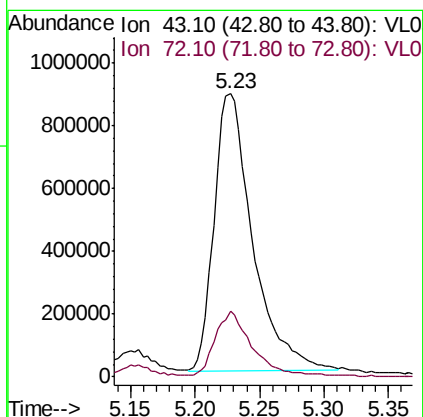
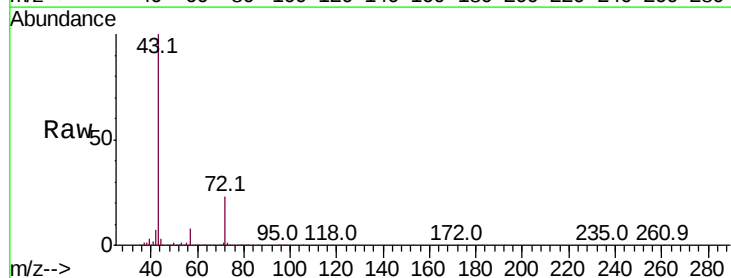
Delta R.T. -0.00 min

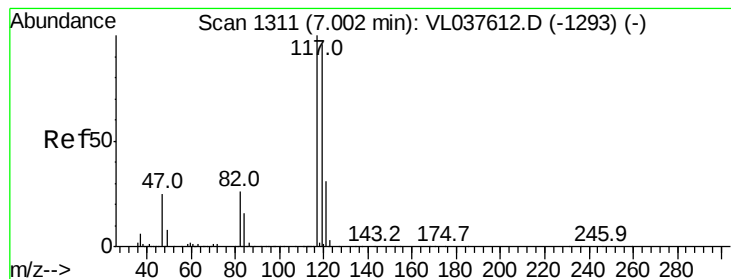
Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Tgt Ion: 43 Resp: 1836352

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.880 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

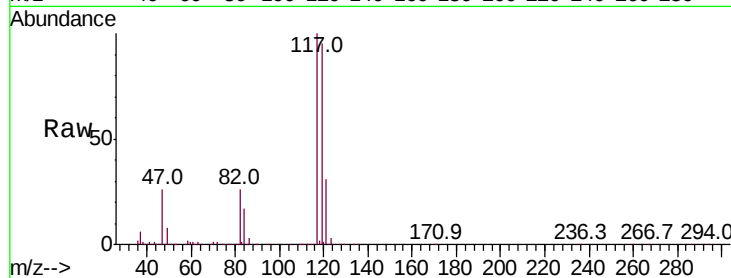
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2769711

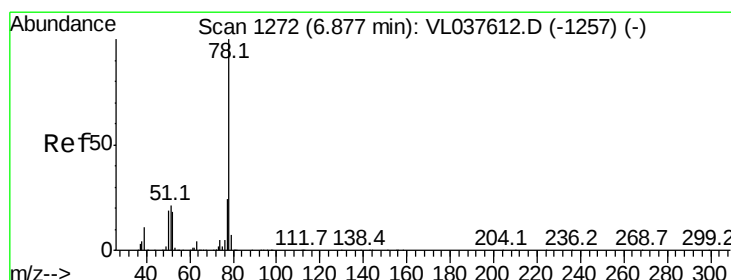
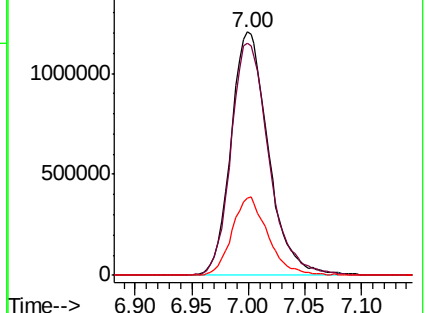
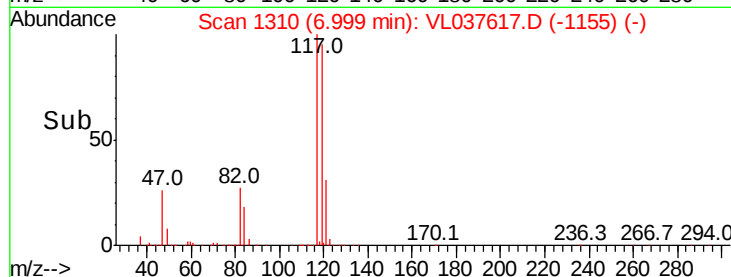
Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	31.5	24.5	36.7



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: 9.861 ppbv

RT: 6.87 min Scan# 1271

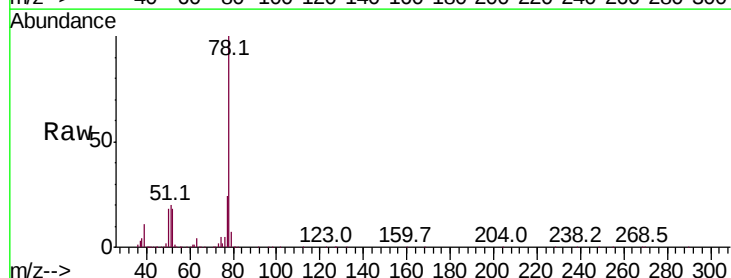
Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Tgt Ion: 78 Resp: 4075013

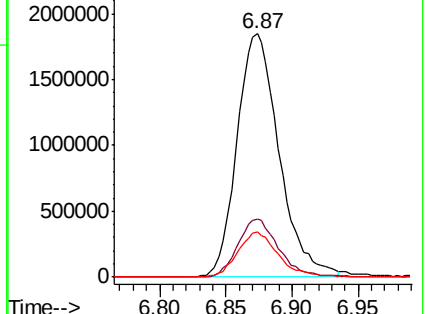
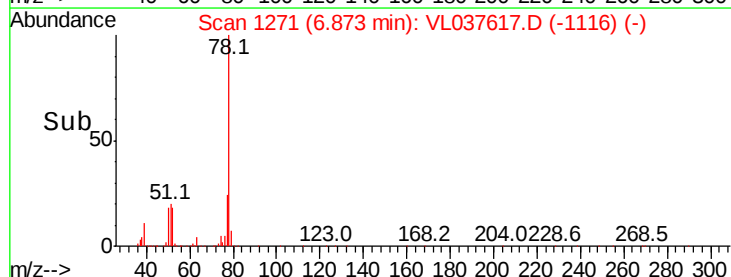
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4
50	18.3	14.8	22.2

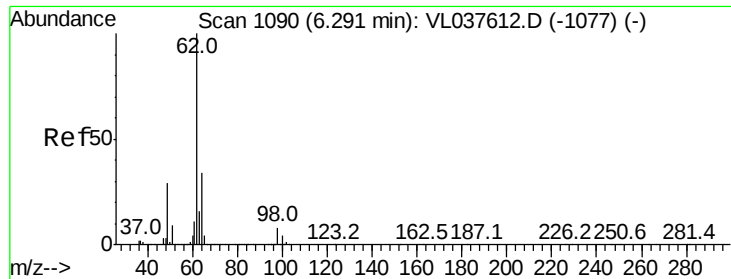


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

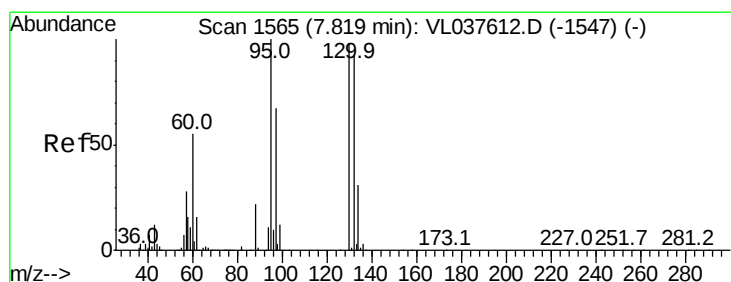
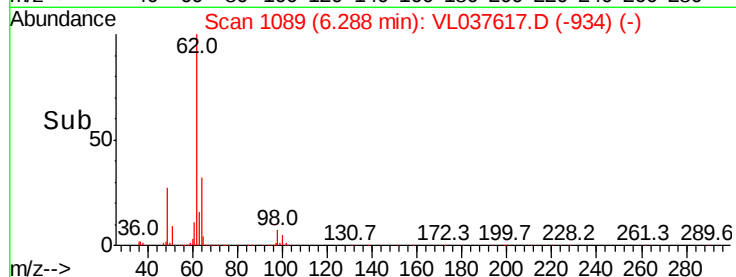
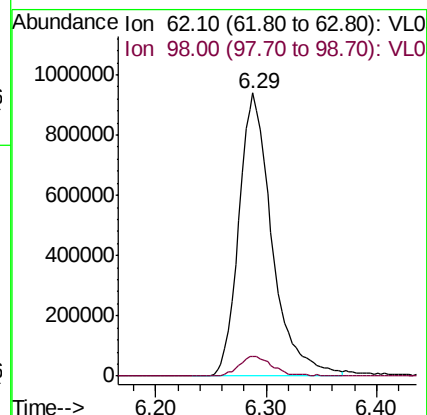
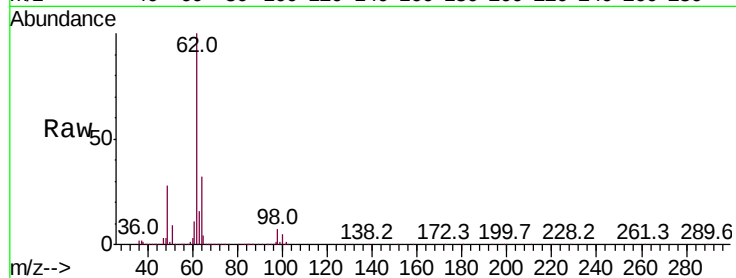




#37
1,2-Dichloroethane
Concen: 9.635 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

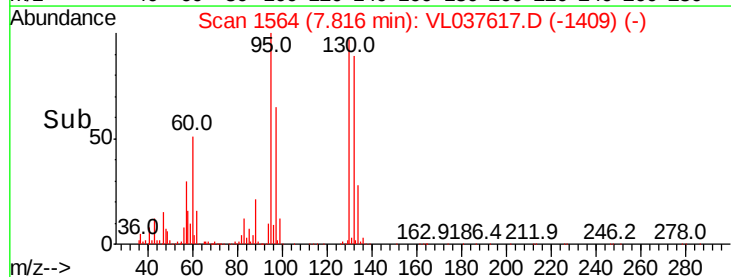
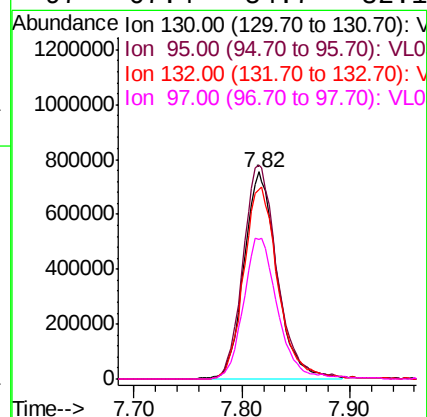
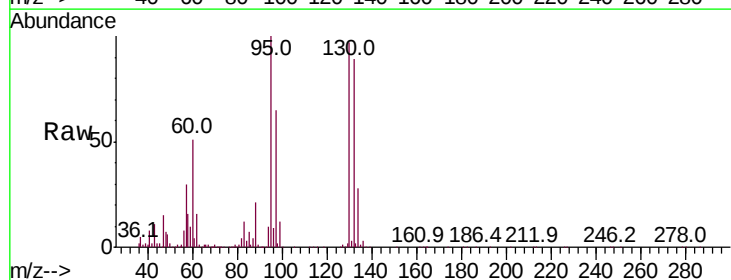
Instrument :
MSVOA_L
ClientSampleId :

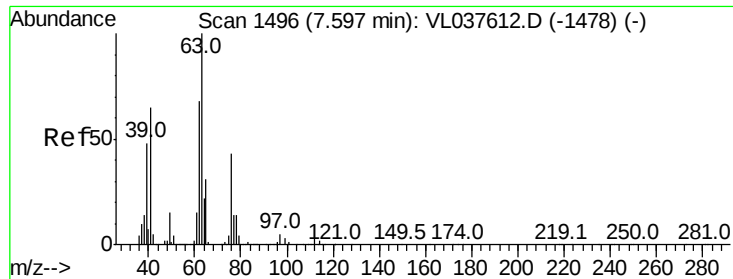
Tot Ion: 62 Resp: 1958332
Ion Ratio Lower Upper
62 100
98 7.4 6.1 9.1



#38
Trichloroethene
Concen: 9.277 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion:130 Resp: 1601485
Ion Ratio Lower Upper
130 100
95 103.3 81.8 122.6
132 91.6 75.3 112.9
97 67.4 54.7 82.1



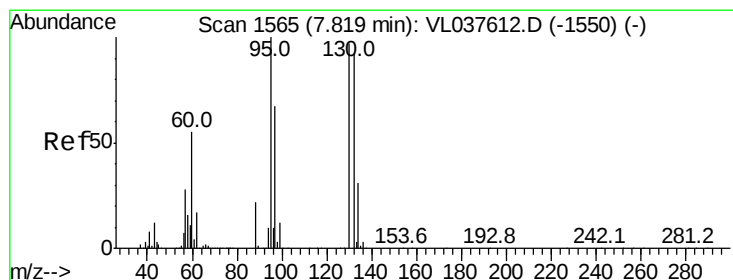
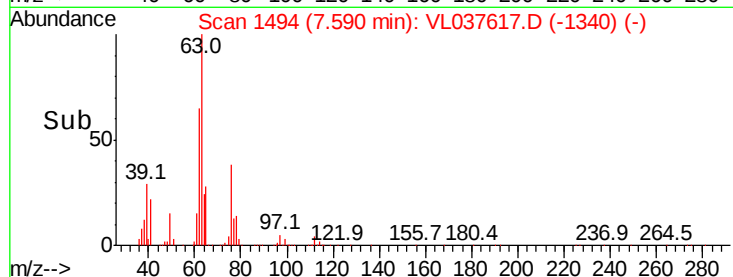
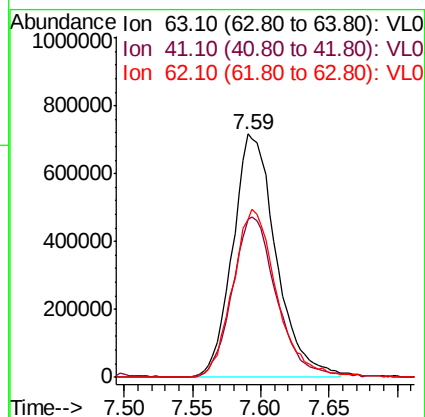
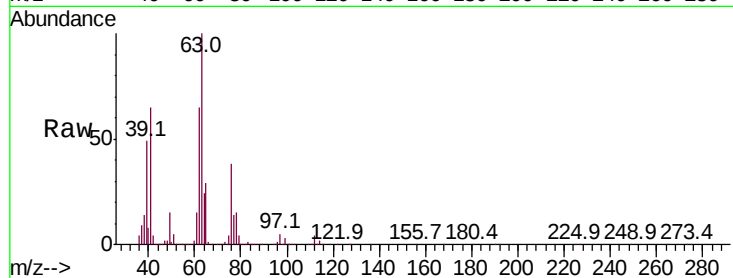


#39
 1,2-Dichloropropane
 Concen: 9.942 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1573592

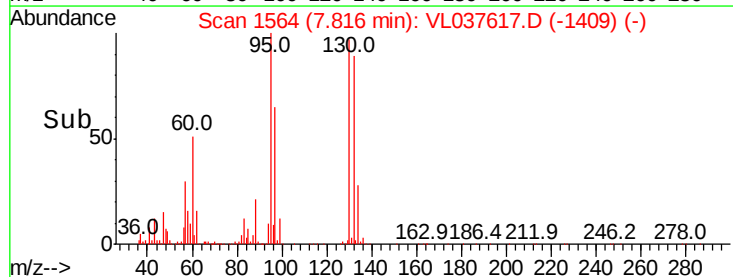
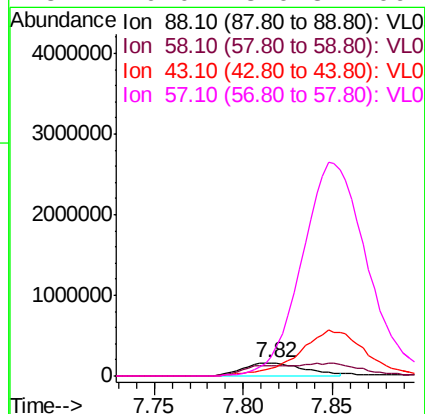
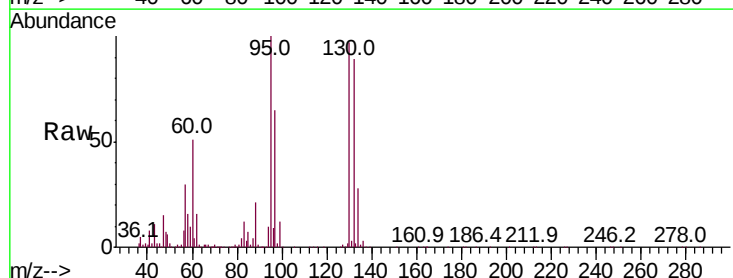
Ion	Ratio	Lower	Upper
63	100		
41	64.5	51.6	77.4
62	64.5	54.6	81.8

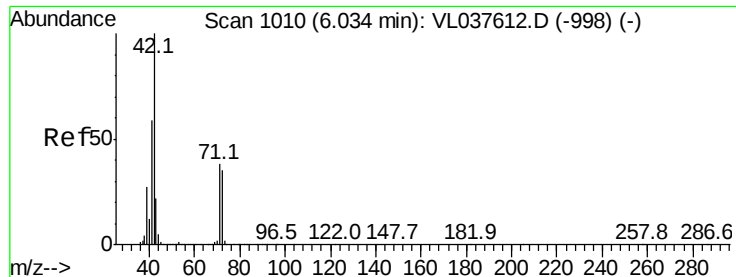


#40
 1,4-Dioxane
 Concen: 10.083 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

Tgt Ion: 88 Resp: 388209

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#

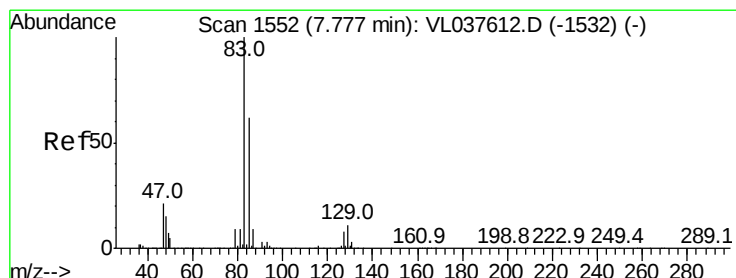
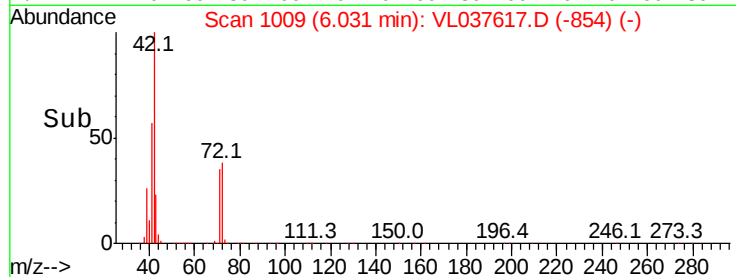
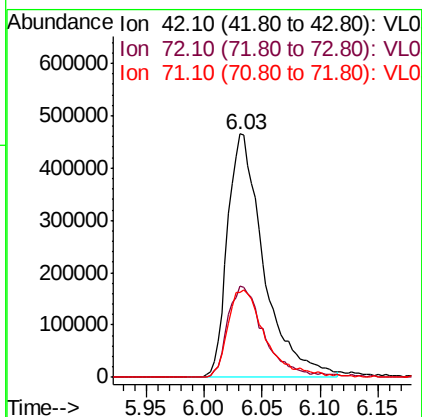
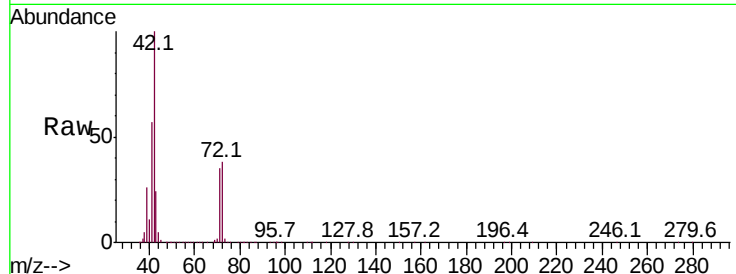




#41
Tetrahydrofuran
Concen: 10.672 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

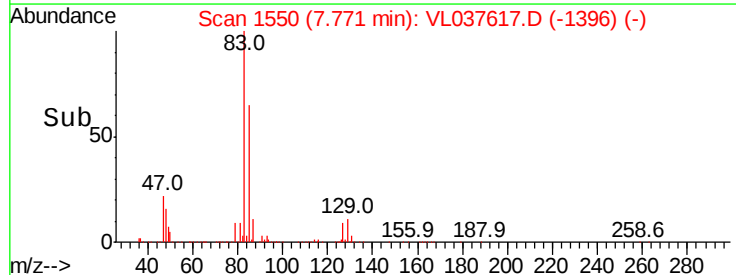
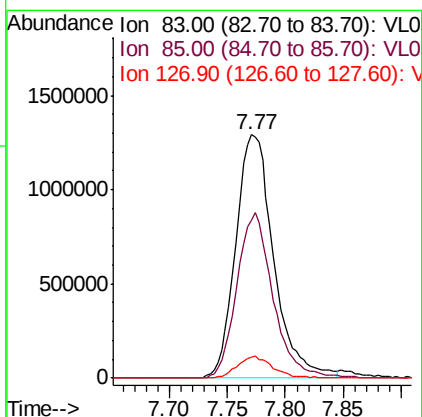
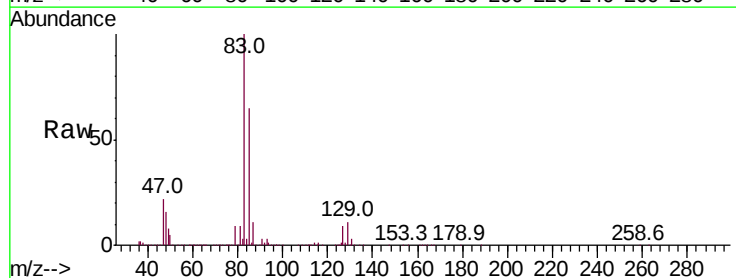
Instrument :
MSVOA_L
ClientSampleId :

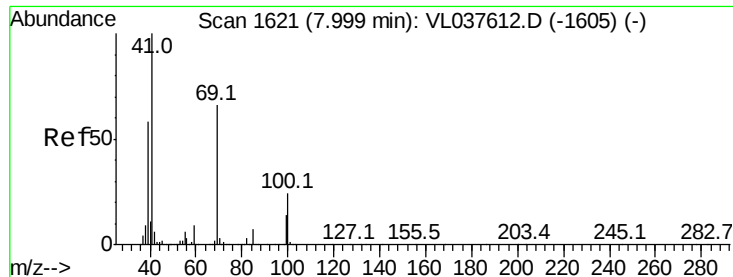
Tot Ion: 42 Resp: 1010375
Ion Ratio Lower Upper
42 100
72 38.9 31.4 47.2
71 37.7 30.6 46.0



#42
Bromodichloromethane
Concen: 10.109 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 83 Resp: 2944837
Ion Ratio Lower Upper
83 100
85 64.7 49.8 74.6
127 8.6 6.4 9.6





#43

Methyl Methacrylate

Concen: 10.589 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.01 min

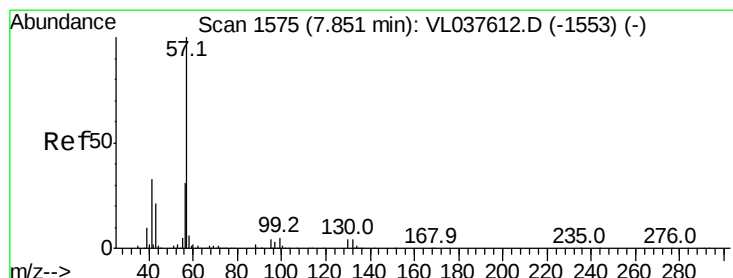
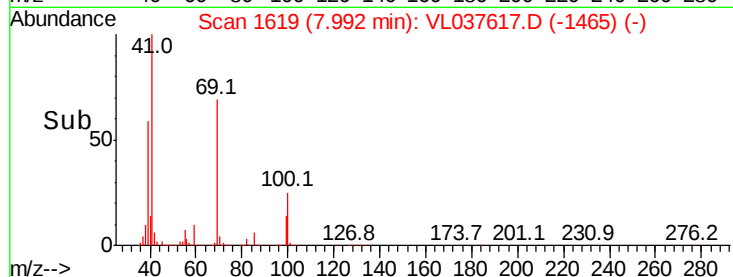
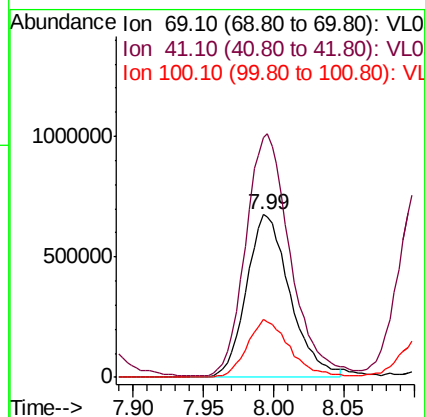
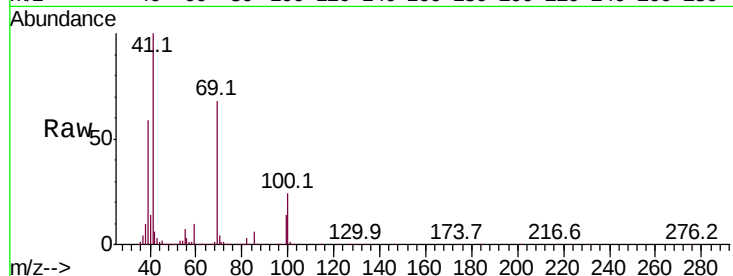
Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1455841

Ion	Ratio	Lower	Upper
69	100		
41	153.7	119.0	178.4
100	34.9	27.6	41.4



#44

2,2,4-Trimethylpentane

Concen: 9.795 ppbv

RT: 7.85 min Scan# 1574

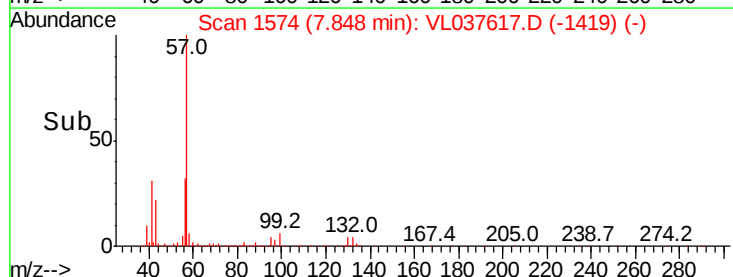
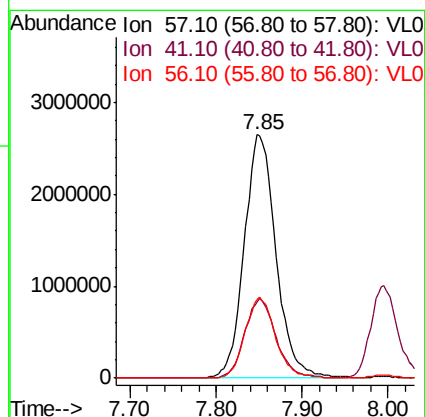
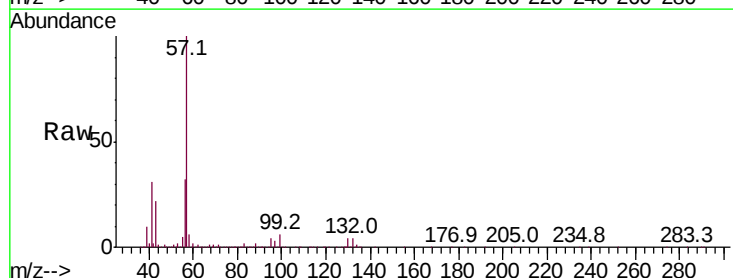
Delta R.T. -0.00 min

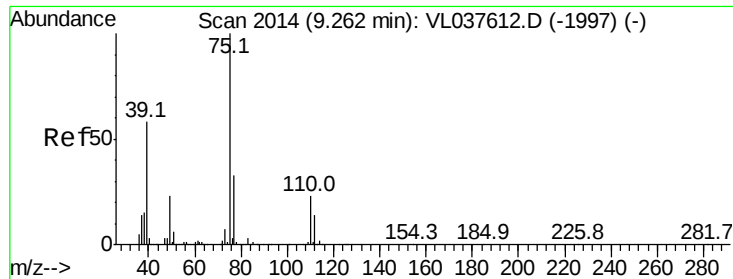
Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Tgt Ion: 57 Resp: 6804955

Ion	Ratio	Lower	Upper
57	100		
41	32.2	26.1	39.1
56	32.0	25.7	38.5

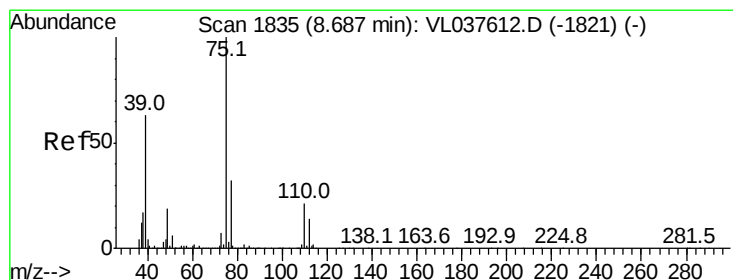
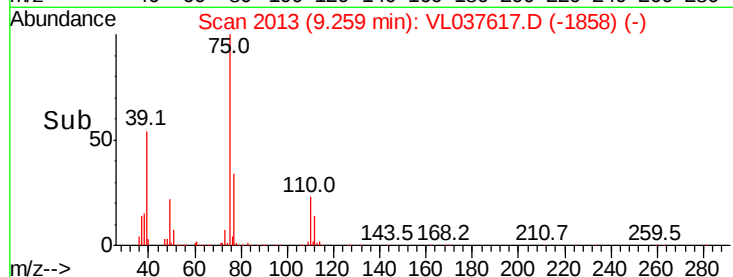
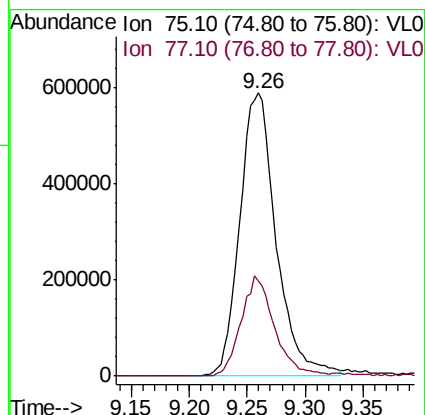
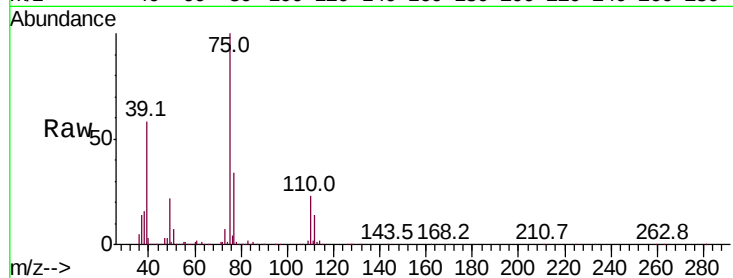




#45
 t-1,3-Dichloropropene
 Concen: 11.848 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. -0.00 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

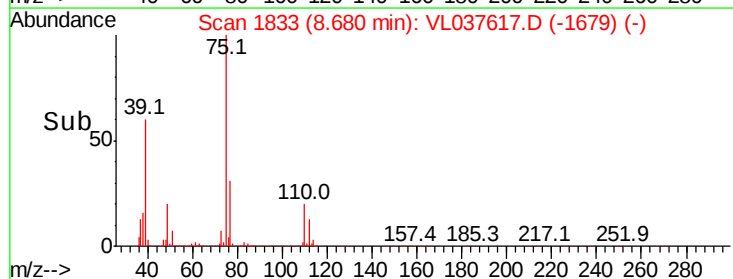
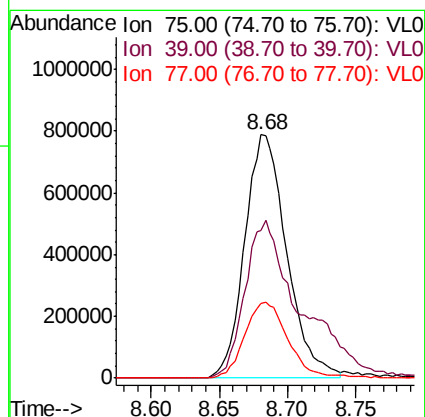
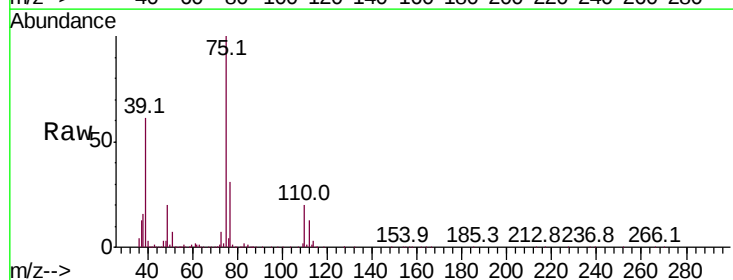
Instrument :
 MSVOA_L
 ClientSampleId :

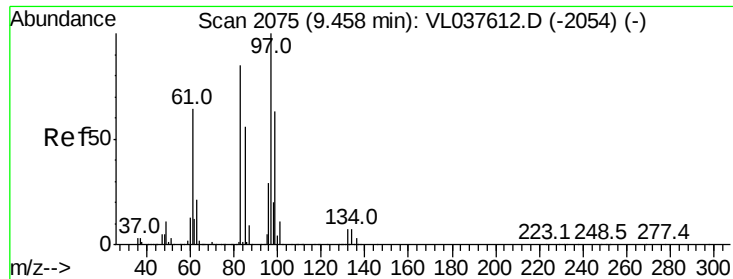
Tot Ion: 75 Resp: 1279424
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 11.560 ppbv
 RT: 8.68 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

Tgt Ion: 75 Resp: 1686287
 Ion Ratio Lower Upper
 75 100
 39 60.5 50.2 75.4
 77 30.9 25.2 37.8

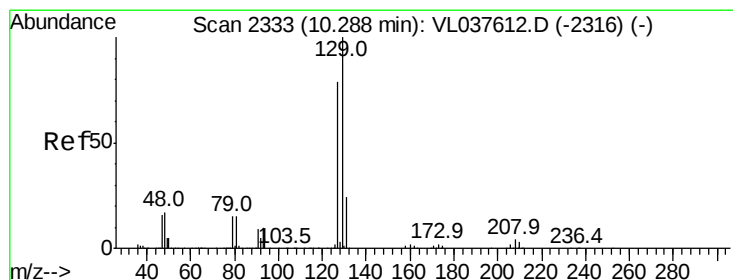
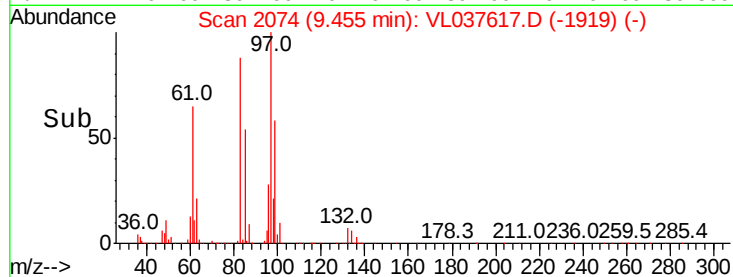
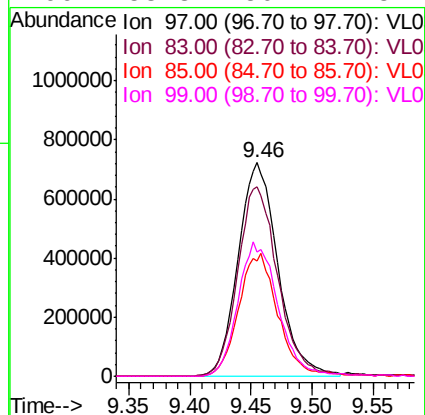
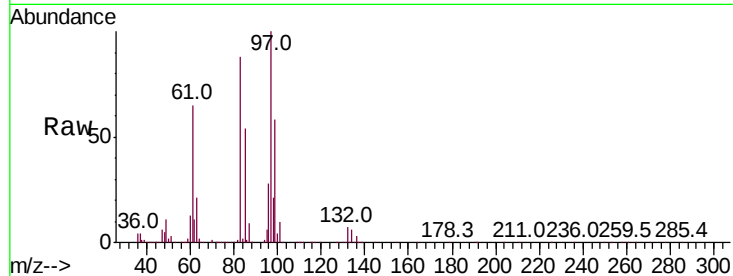




#47
 1,1,2-Trichloroethane
 Concen: 9.256 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

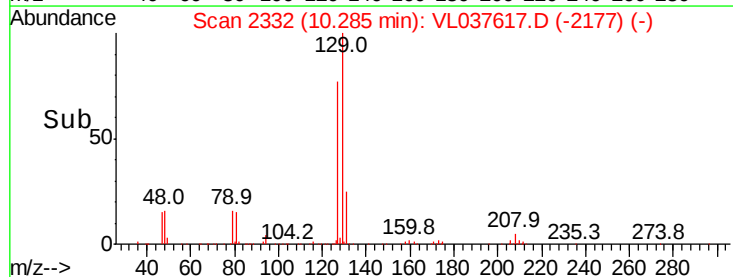
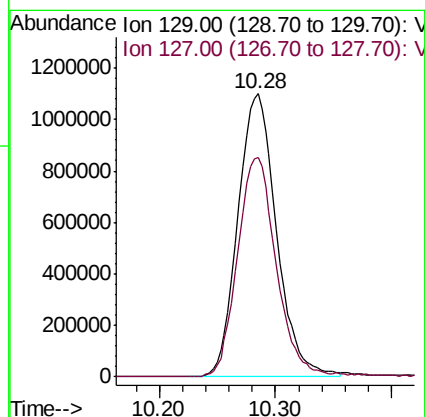
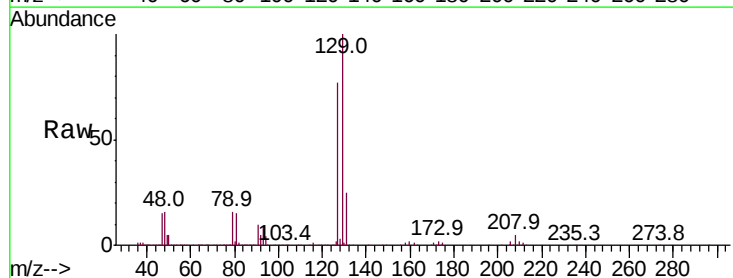
Instrument :
 MSVOA_L
 ClientSampleId :

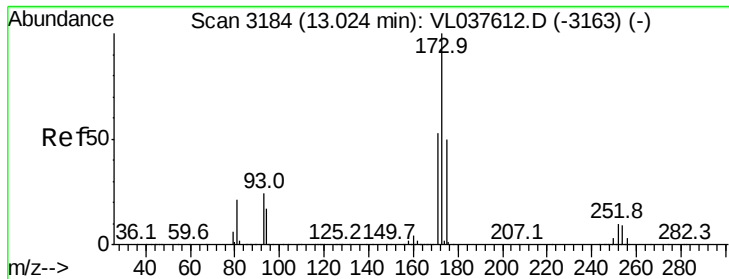
Tot Ion:	97	Resp:	1620697
Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.9	101.9
85	53.6	44.8	67.2
99	58.3	50.1	75.1



#48
 Dibromochloromethane
 Concen: 10.424 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037617.D
 Acq: 16 Sep 2021 14:01

Tgt Ion:	129	Resp:	2546145
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8





#49

Bromoform

Concen: 10.336 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampled :

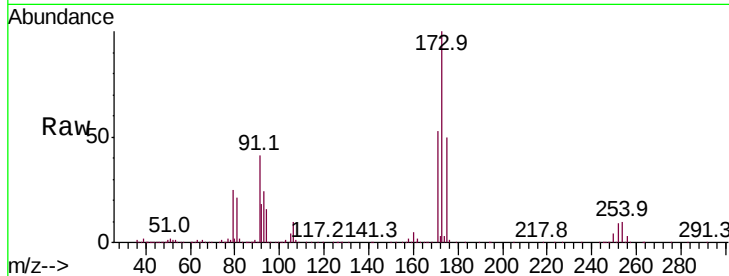
Tot Ion:173 Resp: 2020718

Ion Ratio Lower Upper

173 100

175 50.7 39.8 59.8

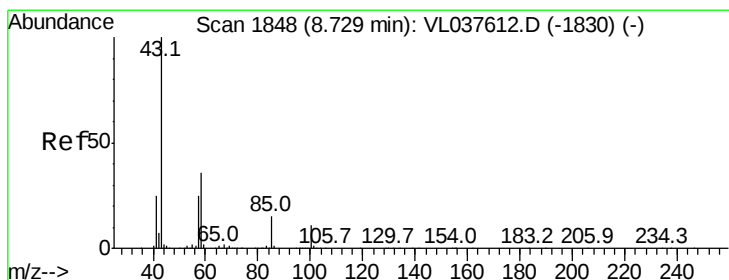
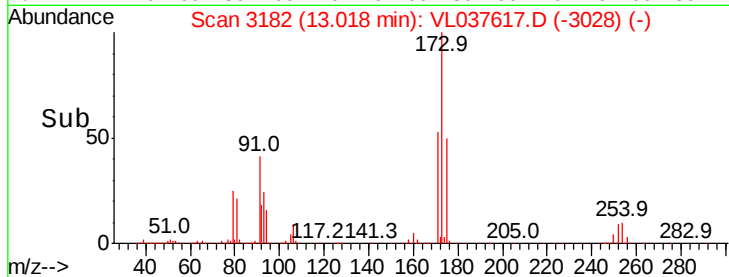
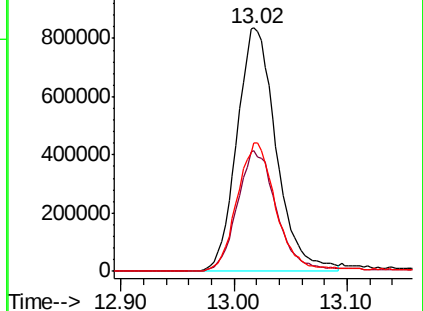
171 53.7 42.2 63.4



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: 10.118 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL037617.D

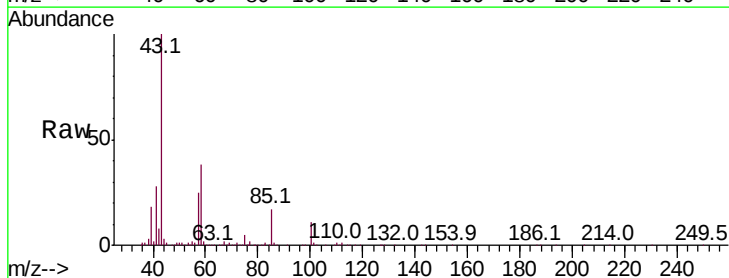
Acq: 16 Sep 2021 14:01

Tgt Ion: 43 Resp: 2586432

Ion Ratio Lower Upper

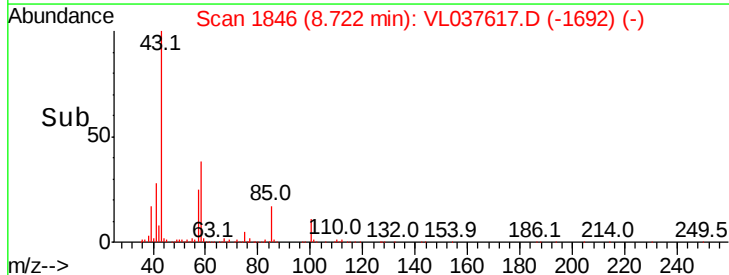
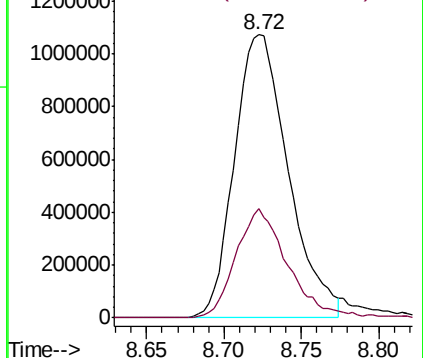
43 100

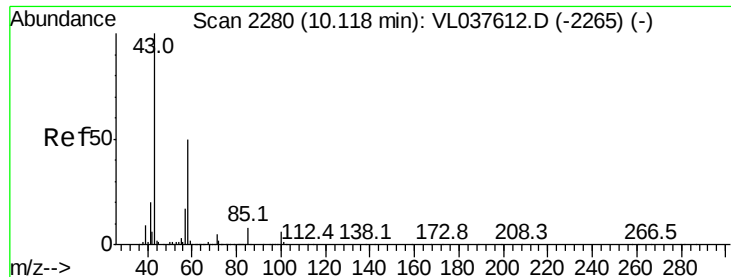
58 37.9 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

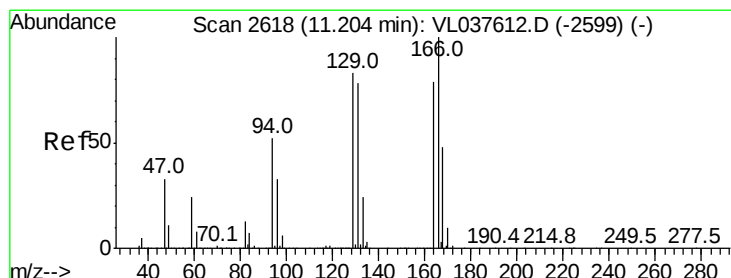
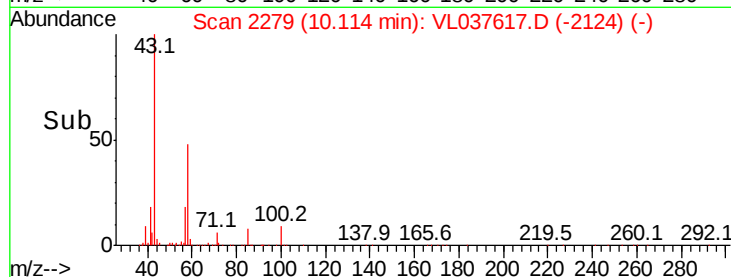
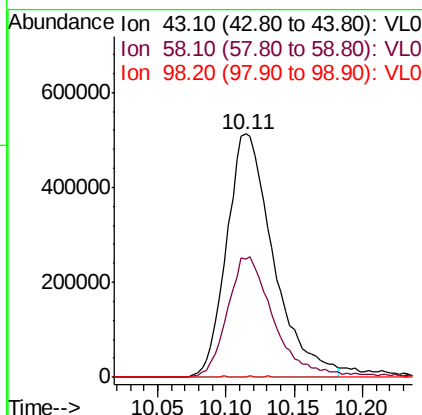
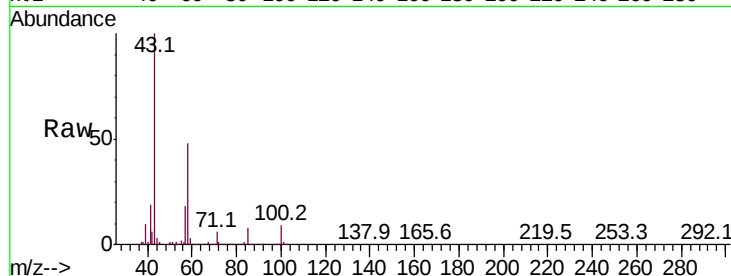




#51
2-Hexanone
Concen: 10.746 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

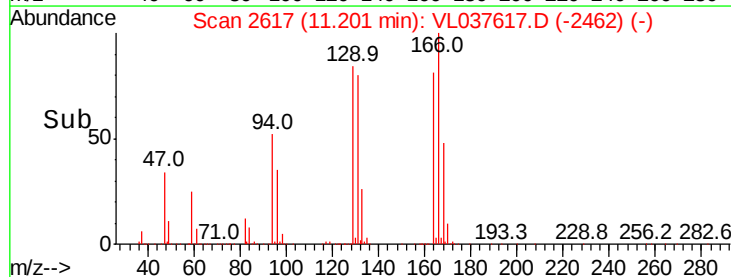
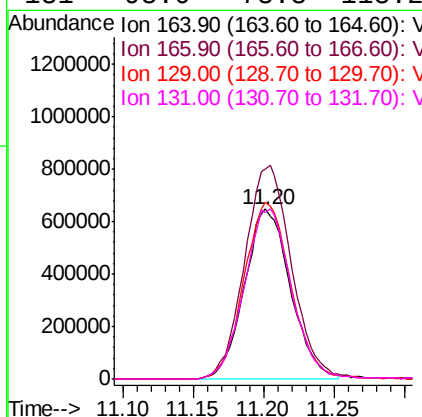
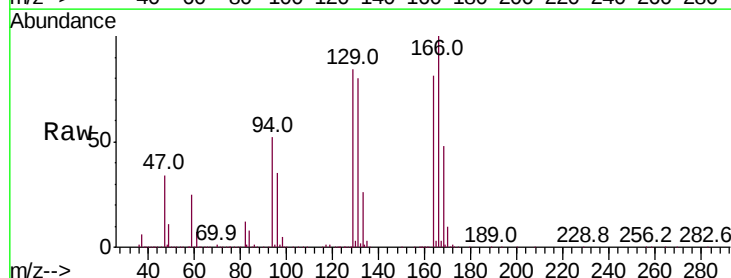
Instrument :
MSVOA_L
ClientSampleId :

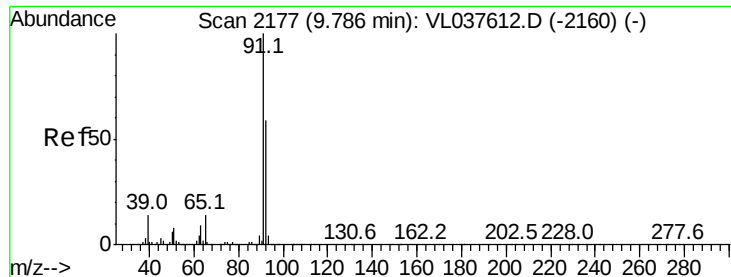
Tot Ion: 43 Resp: 1211931
Ion Ratio Lower Upper
43 100
58 50.3 39.3 58.9
98 0.4 0.4 0.6



#52
Tetrachloroethene
Concen: 9.295 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 164 Resp: 1474584
Ion Ratio Lower Upper
164 100
166 123.3 101.2 151.8
129 103.6 84.0 126.0
131 98.0 78.8 118.2





#53

Toluene

Concen: 10.215 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

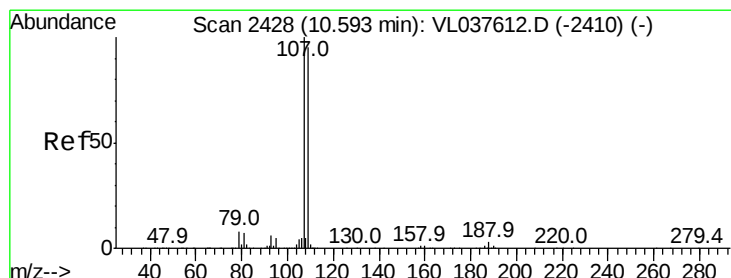
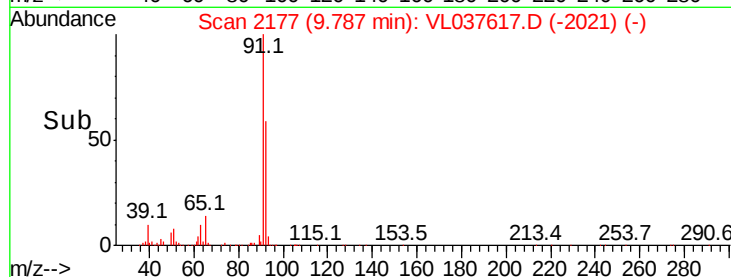
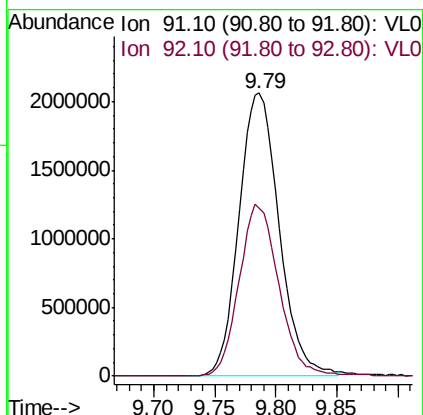
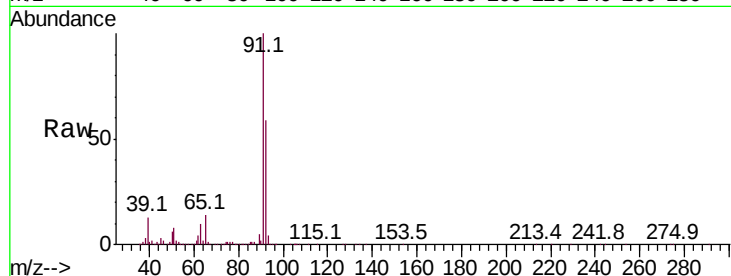
ClientSampleId :

Tot Ion: 91 Resp: 4692161

Ion Ratio Lower Upper

91 100

92 60.8 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.774 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VL037617.D

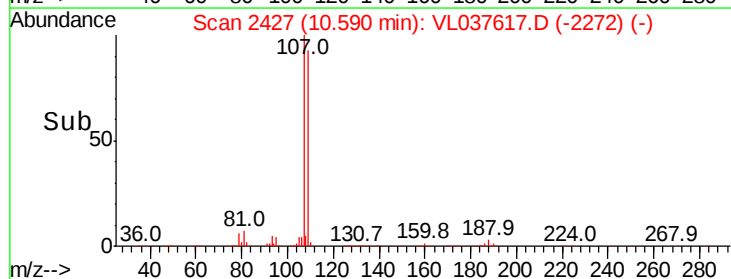
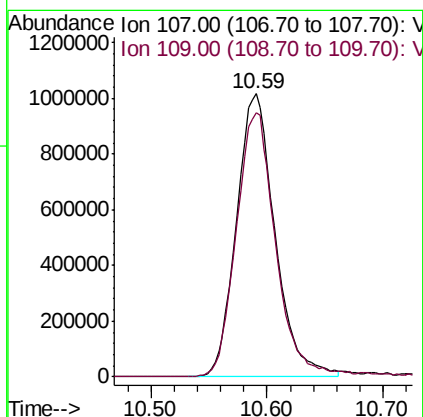
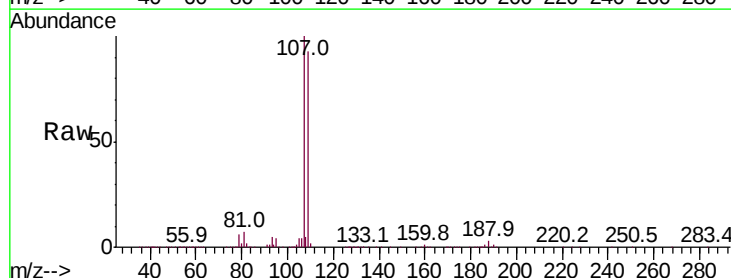
Acq: 16 Sep 2021 14:01

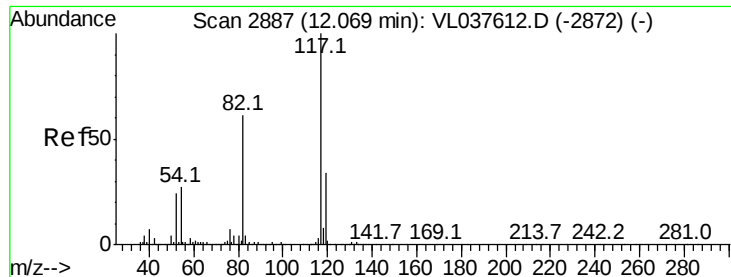
Tgt Ion: 107 Resp: 2343342

Ion Ratio Lower Upper

107 100

109 93.2 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

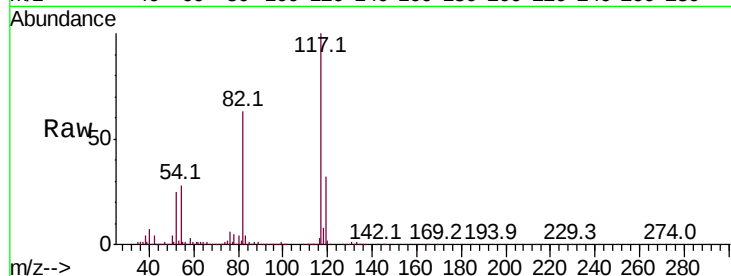
Tot Ion:117 Resp: 5521301

Ion Ratio Lower Upper

117 100

82 51.7 50.6 75.8

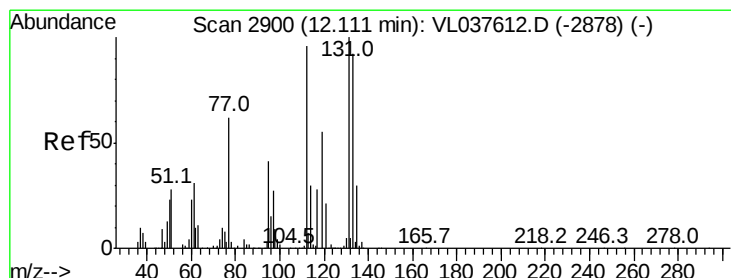
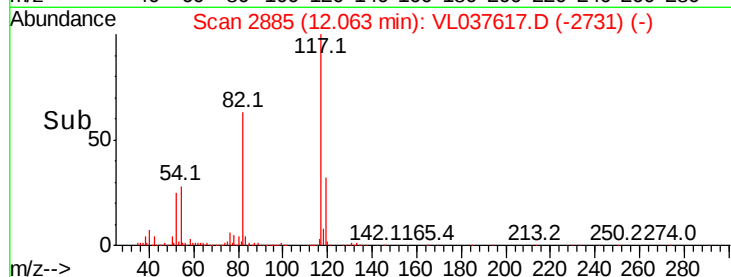
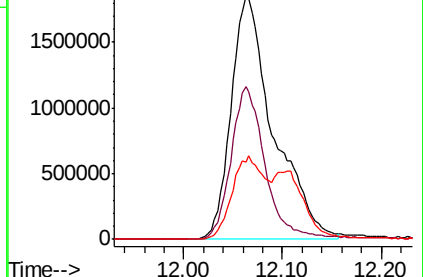
119 47.9 26.2 39.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.652 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

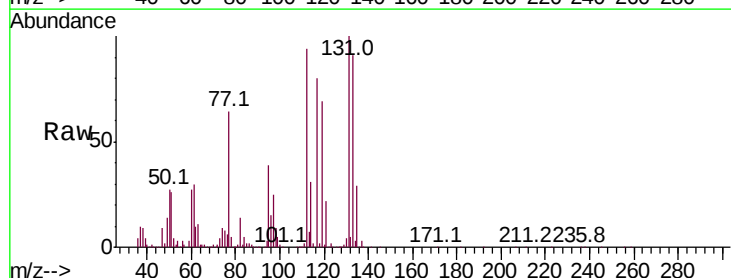
Tgt Ion:131 Resp: 1752406

Ion Ratio Lower Upper

131 100

133 97.1 76.8 115.2

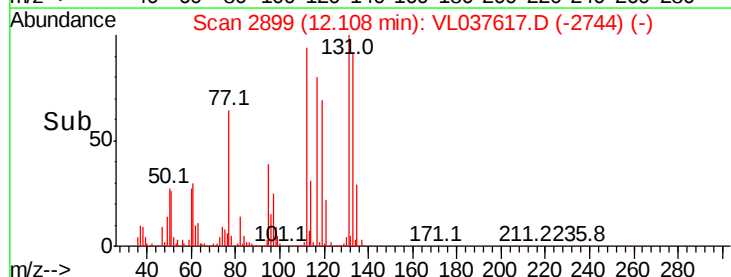
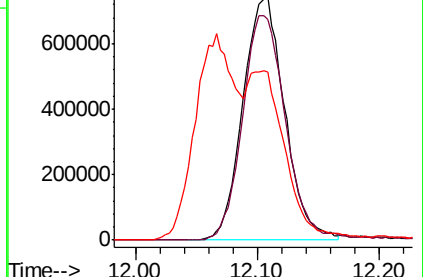
119 65.4 47.8 71.8

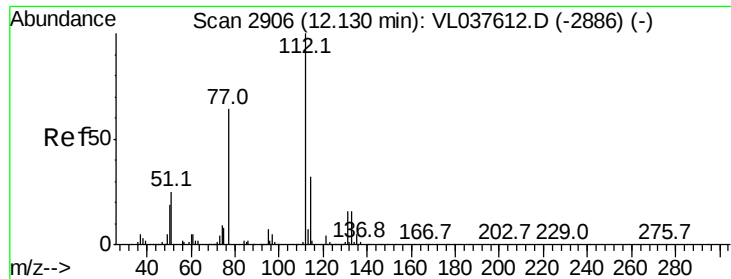


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

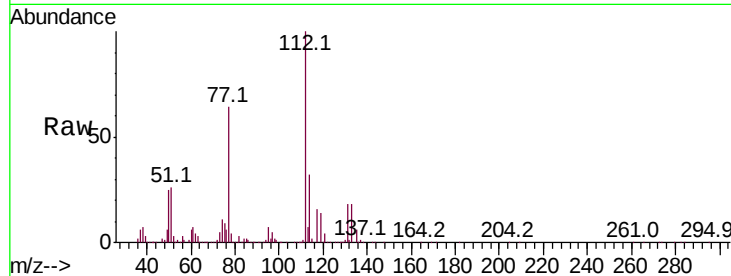




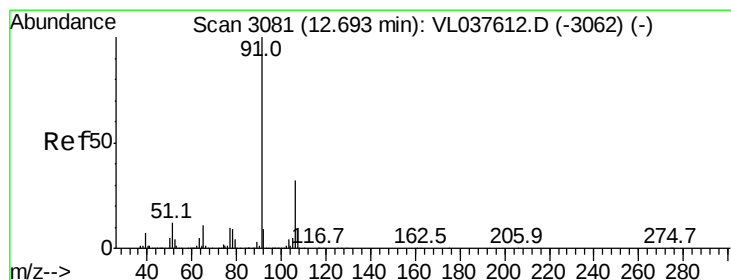
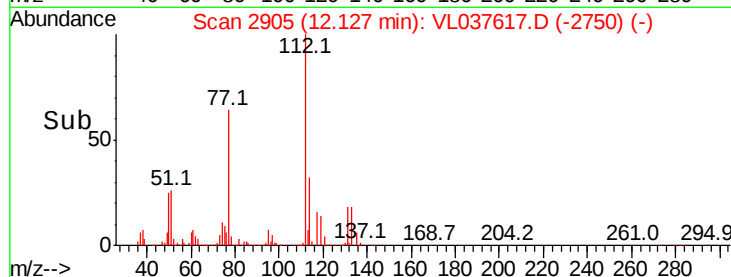
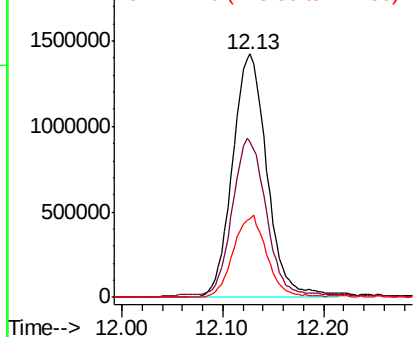
#57
Chlorobenzene
Concen: 7.377 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3386252
Ion Ratio Lower Upper
112 100
77 62.6 52.1 78.1
114 31.9 29.2 35.6

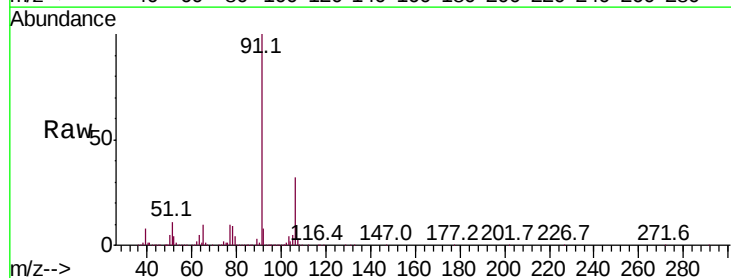


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

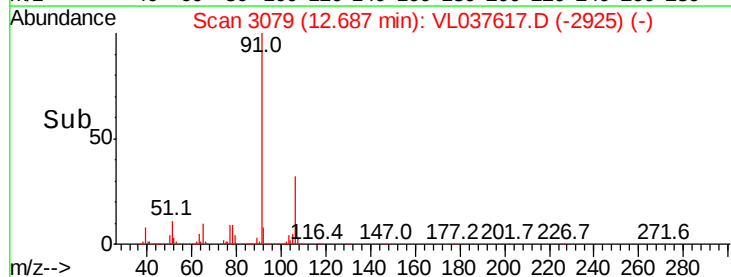
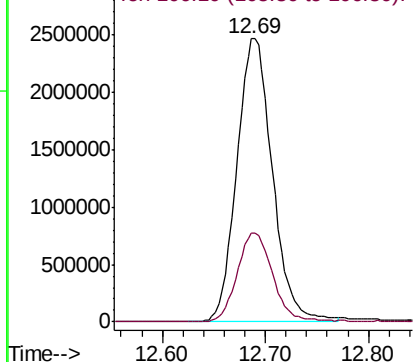


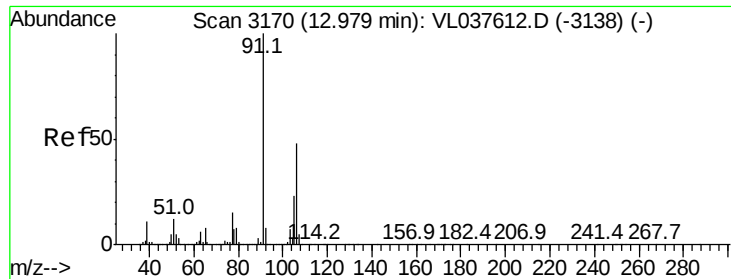
#58
Ethyl Benzene
Concen: 8.098 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 91 Resp: 5935088
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

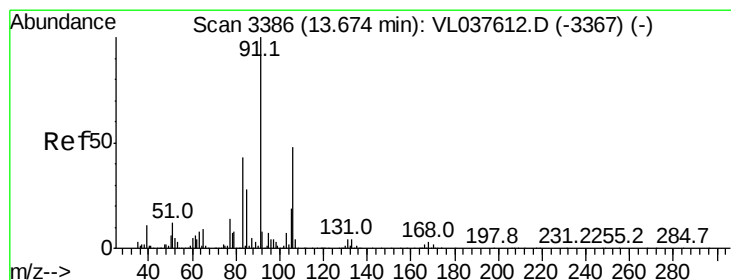
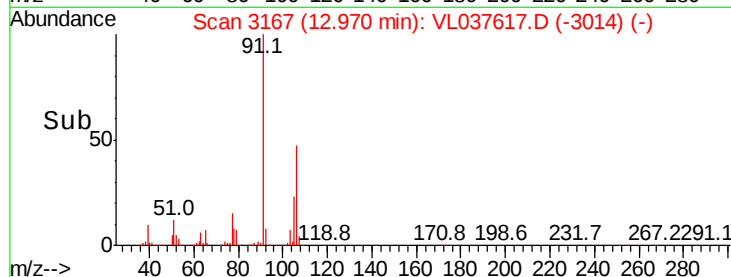
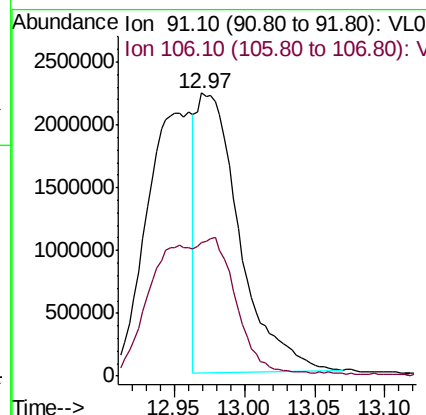
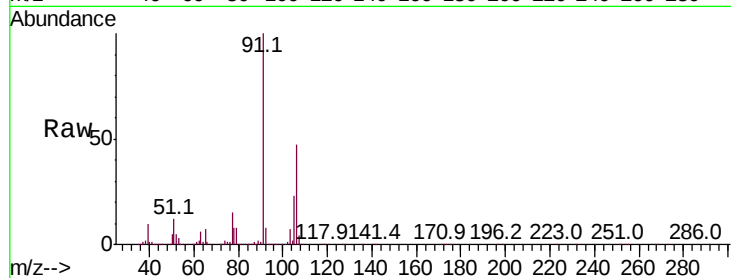




#59
m/p-Xylene
Concen: 7.328 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

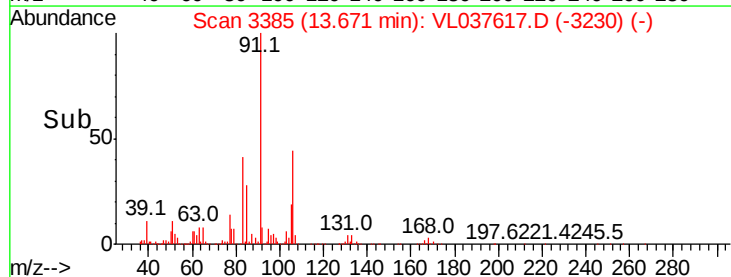
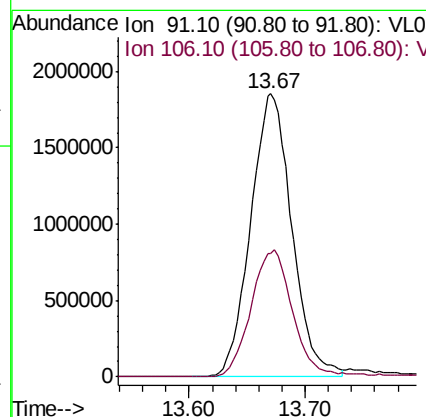
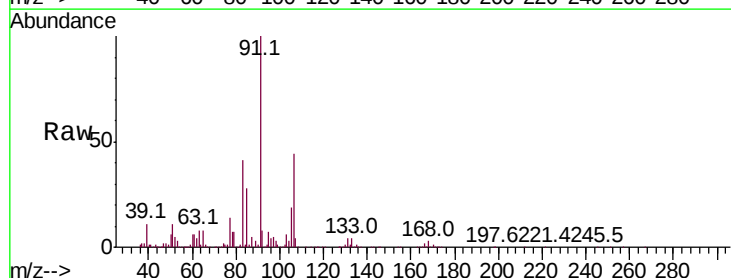
Instrument :
MSVOA_L
ClientSampleId :

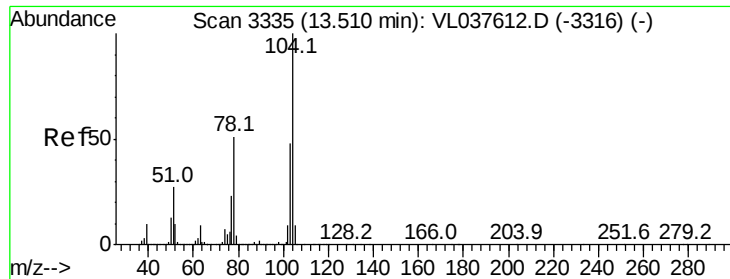
Tot Ion: 91 Resp: 4680339
Ion Ratio Lower Upper
91 100
106 96.8 36.6 55.0#



#60
o-Xylene
Concen: 7.501 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion: 91 Resp: 4559827
Ion Ratio Lower Upper
91 100
106 46.2 23.0 69.0

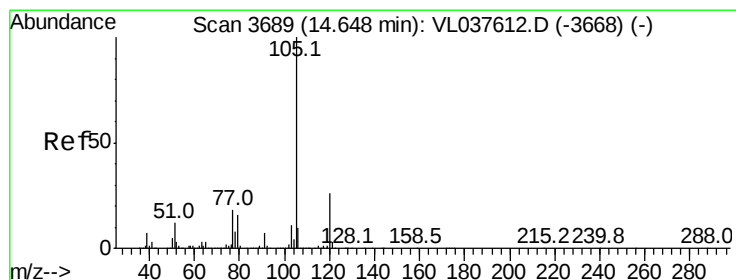
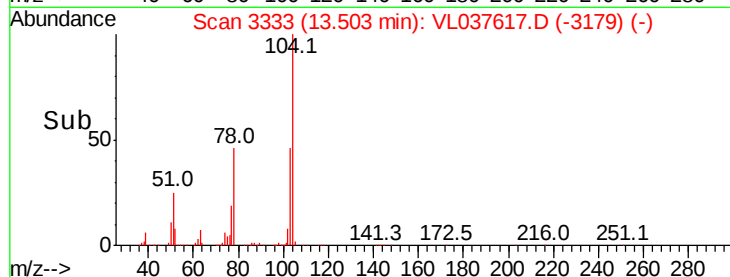
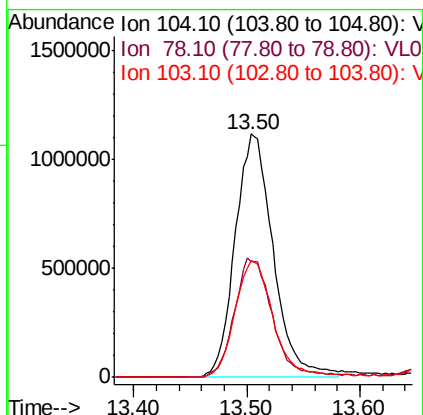
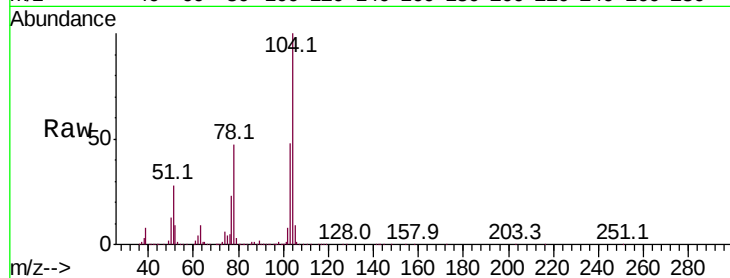




#61
Stvrene
Concen: 8.749 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.01 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

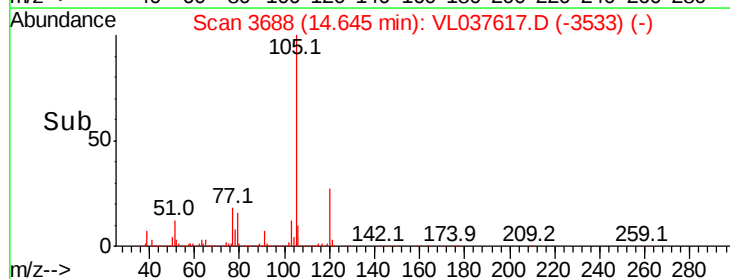
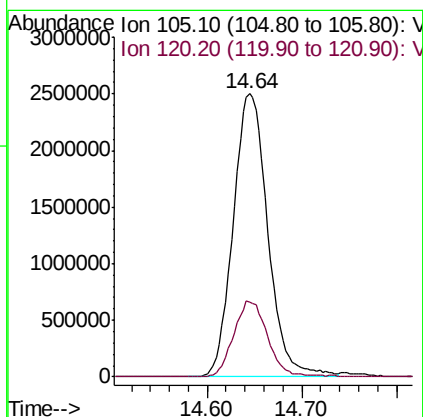
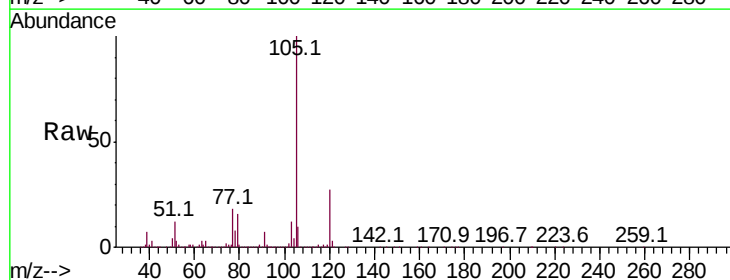
Instrument :
MSVOA_L
ClientSampled :

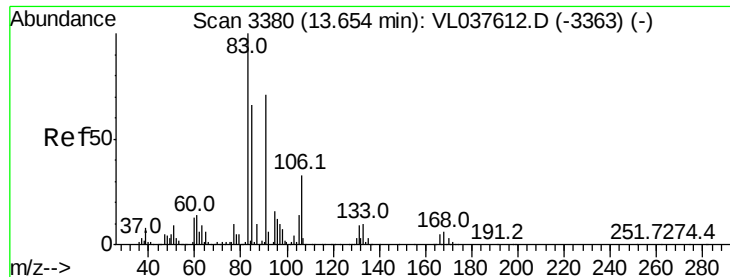
Tot Ion:104 Resp: 2622511
Ion Ratio Lower Upper
104 100
78 49.6 39.7 59.5
103 48.9 38.8 58.2



#62
Isopropylbenzene
Concen: 7.503 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion:105 Resp: 6371762
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 6.577 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

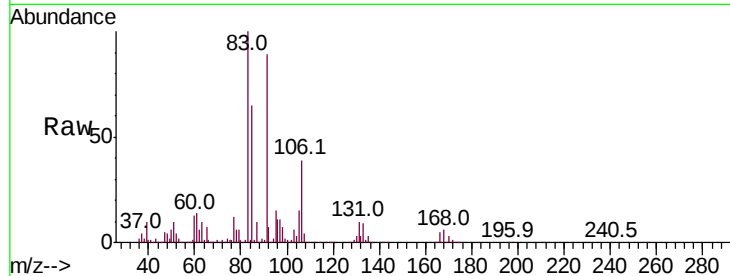
Tot Ion: 83 Resp: 3129156

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	66.7	33.3	99.9

83 100

131 10.1 5.1 15.3

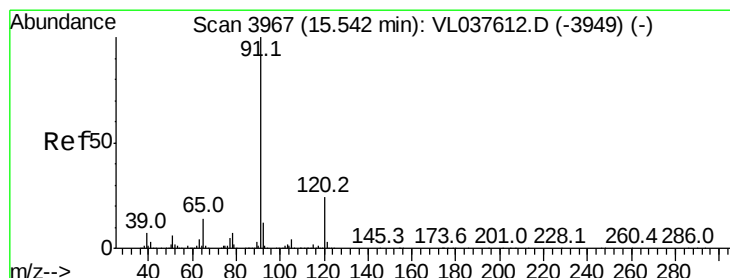
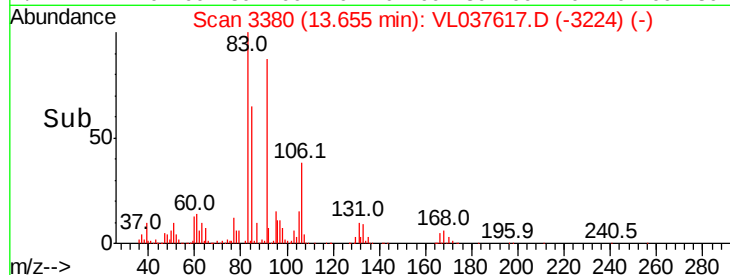
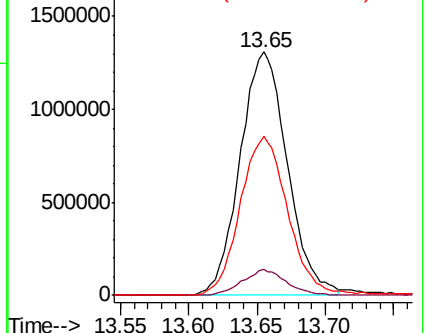
85 66.7 33.3 99.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.834 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037617.D

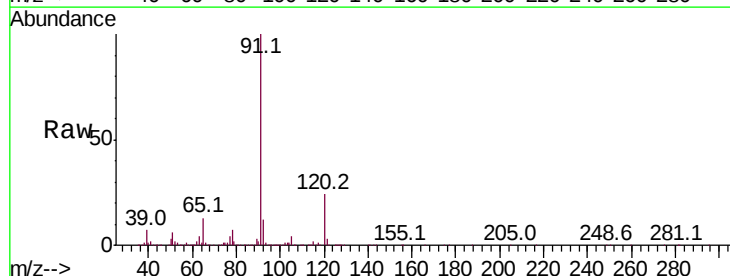
Acq: 16 Sep 2021 14:01

Tgt Ion:120 Resp: 1716825

Ion	Ratio	Lower	Upper
120	100		
91	444.2	345.0	517.4

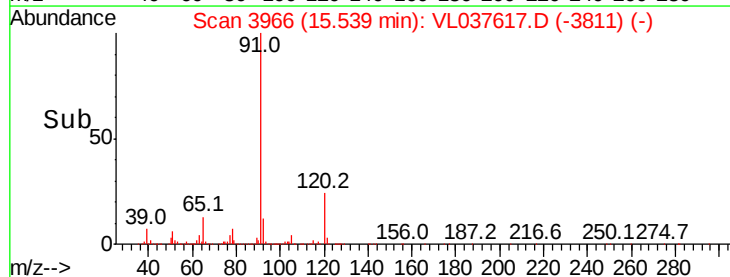
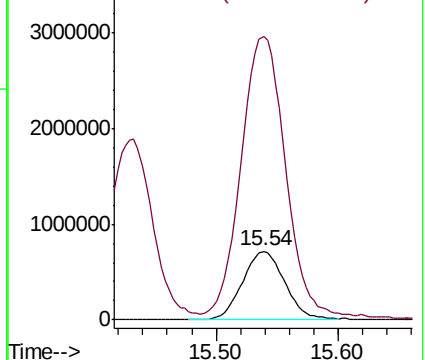
120 100

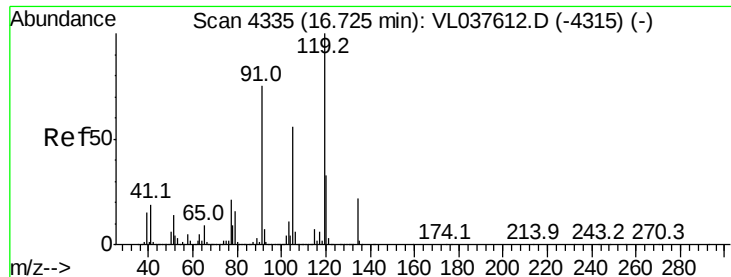
91 444.2 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.184 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampled :

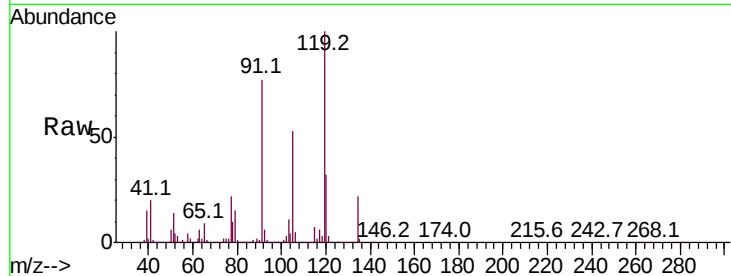
Tot Ion:119 Resp: 5500541

Ion Ratio Lower Upper

119 100

91 77.7 61.9 92.9

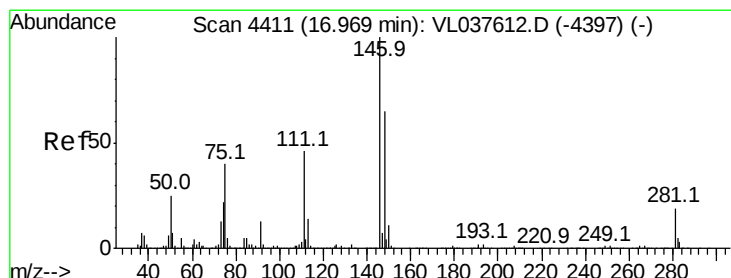
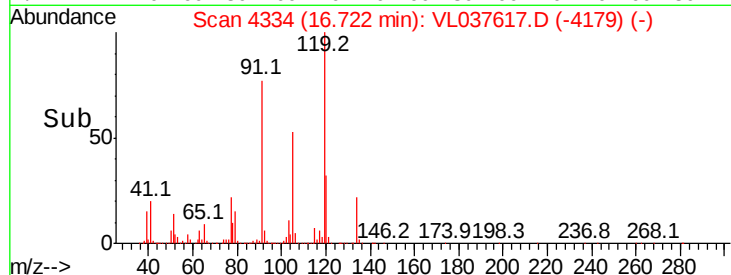
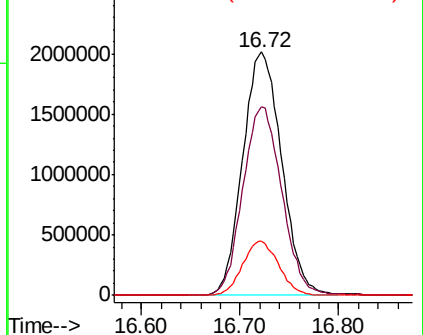
134 20.9 16.5 24.7



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: 8.076 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

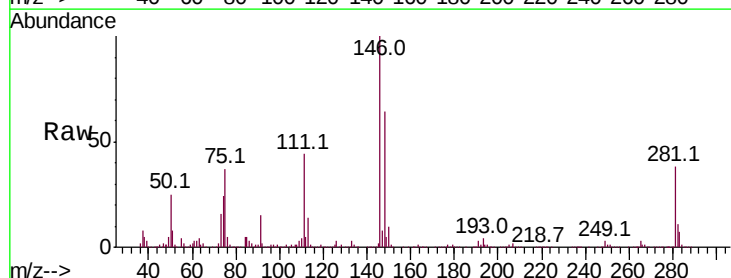
Tgt Ion: 91 Resp: 337936

Ion Ratio Lower Upper

91 100

126 19.0 14.4 21.6

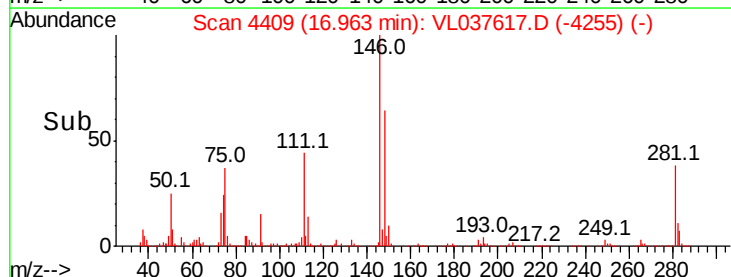
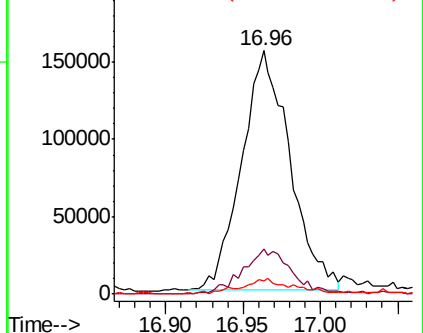
128 7.3 5.7 8.5

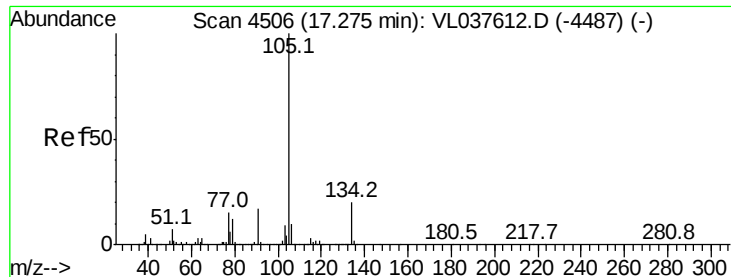


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.300 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

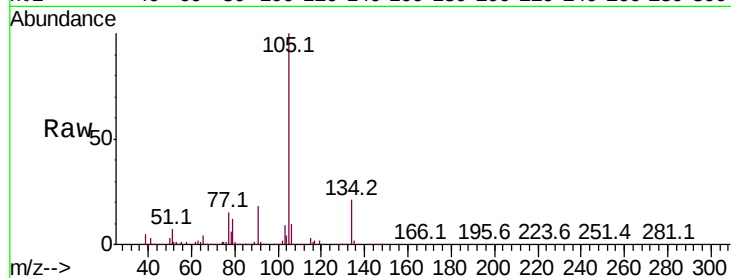
ClientSampleId :

Tot Ion:105 Resp: 7583489

Ion Ratio Lower Upper

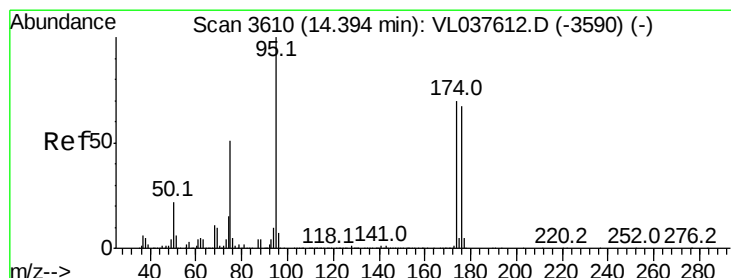
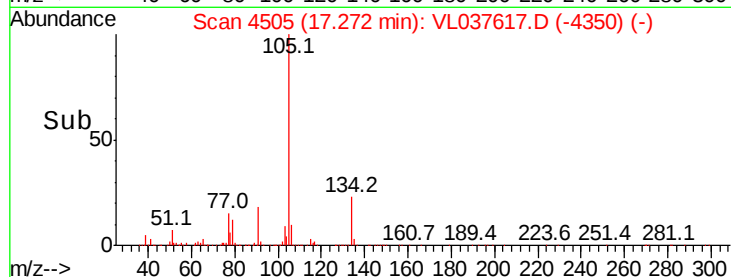
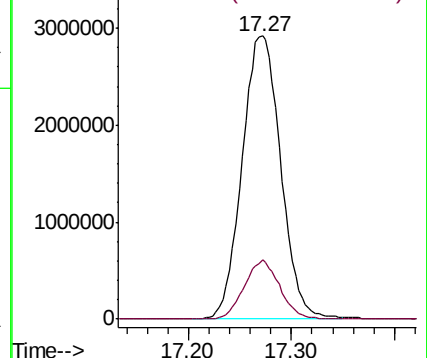
105 100

134 19.3 15.7 23.5



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: 8.069 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

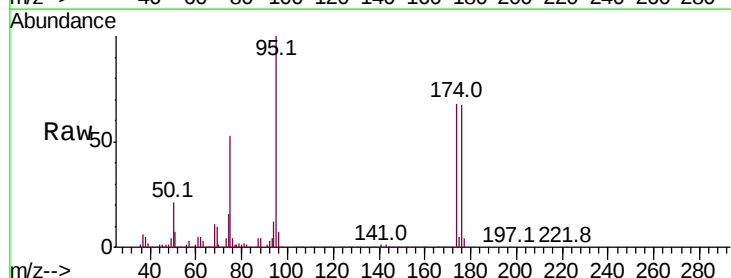
Tgt Ion: 95 Resp: 3219859

Ion Ratio Lower Upper

95 100

174 75.2 56.3 84.5

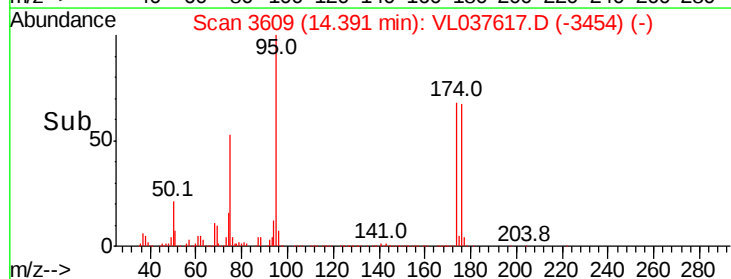
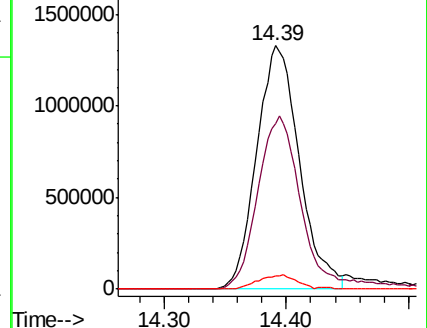
175 5.8 4.4 6.6

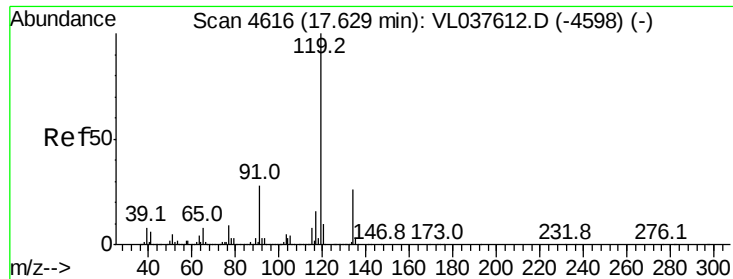


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.500 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

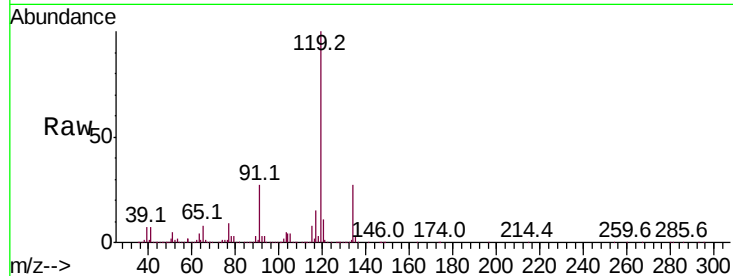
Tot Ion:119 Resp: 6365594

Ion Ratio Lower Upper

119 100

134 26.6 21.2 31.8

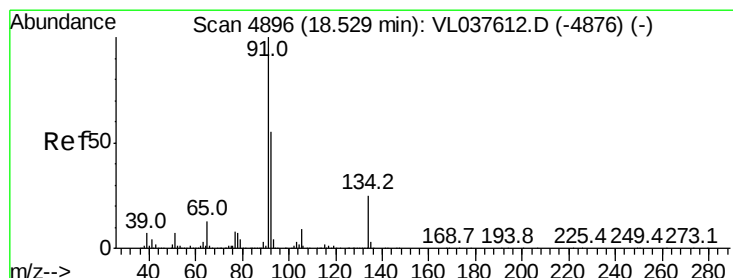
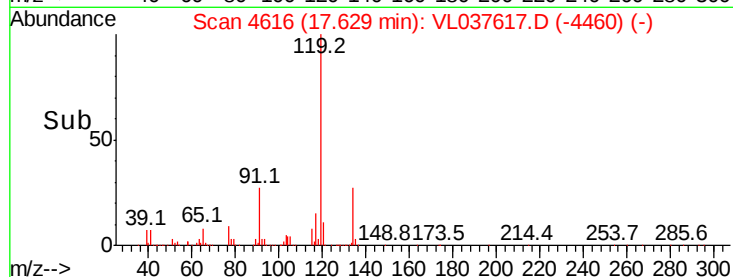
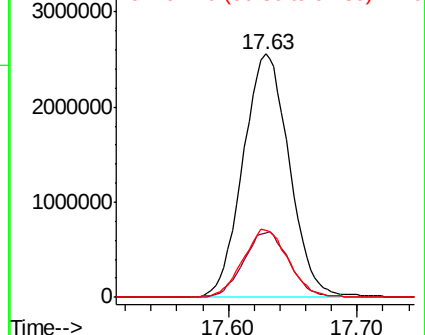
91 27.8 22.2 33.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.786 ppbv

RT: 18.53 min Scan# 4895

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

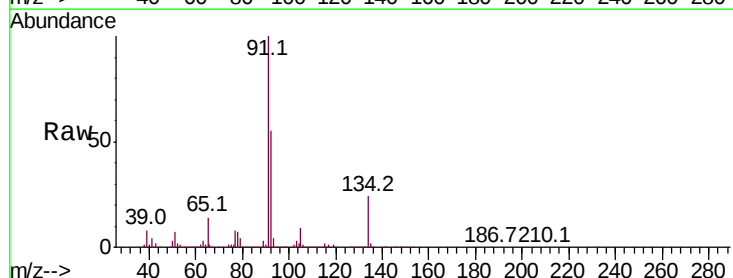
Tgt Ion: 91 Resp: 6252470

Ion Ratio Lower Upper

91 100

92 55.0 44.0 66.0

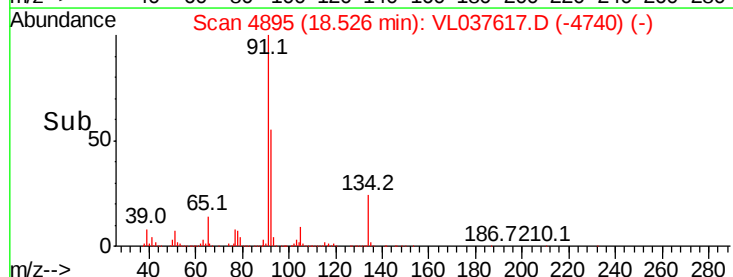
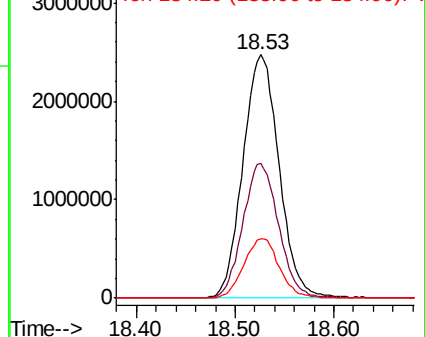
134 24.1 19.5 29.3

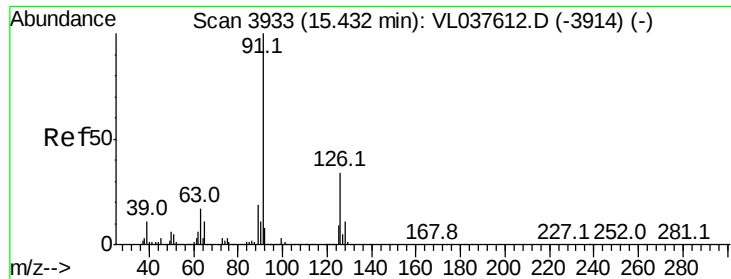


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.615 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

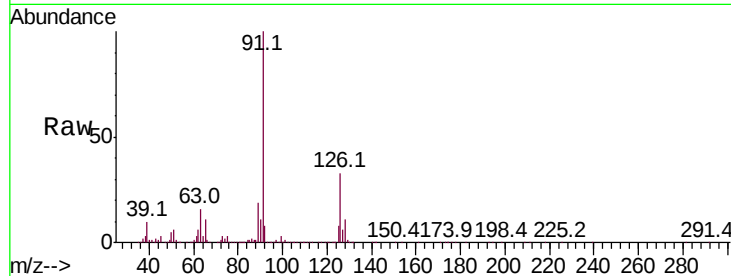
ClientSampleId :

Tot Ion: 91 Resp: 4634685

Ion Ratio Lower Upper

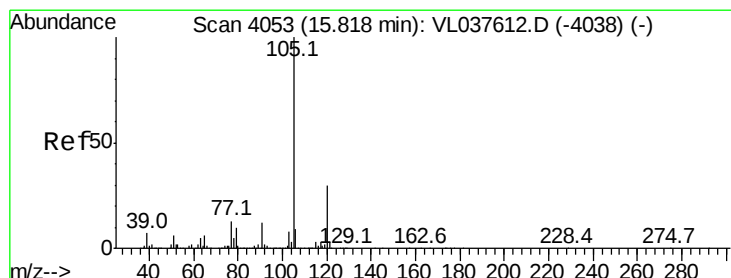
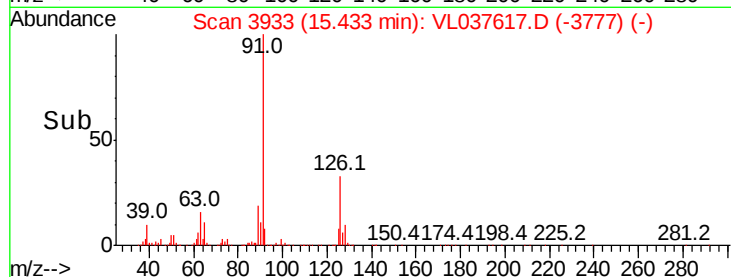
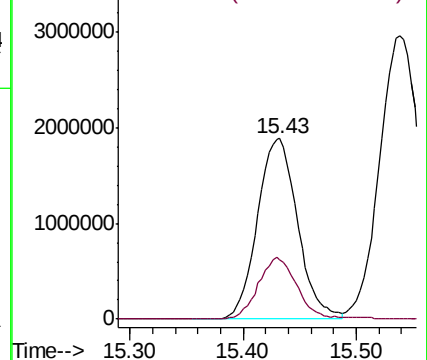
91 100

126 33.7 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: 7.679 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Tgt Ion: 105 Resp: 5358997

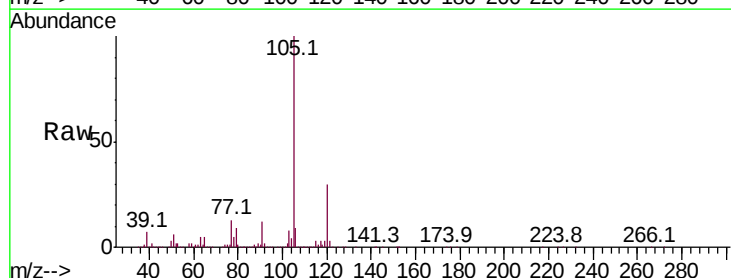
Ion Ratio Lower Upper

105 100

120 31.3 24.7 37.1

91 12.2 9.9 14.9

77 13.8 10.5 15.7

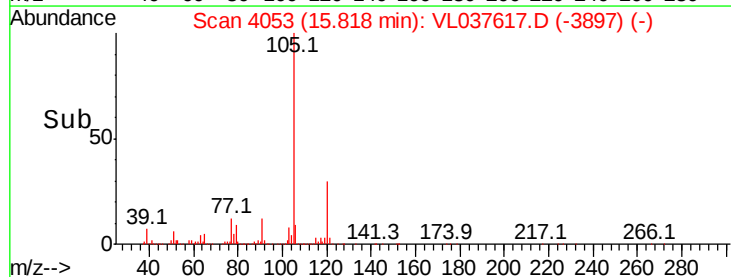
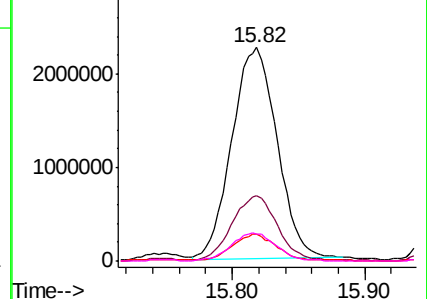


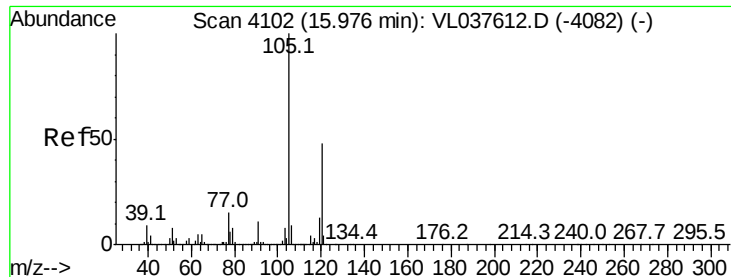
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.388 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

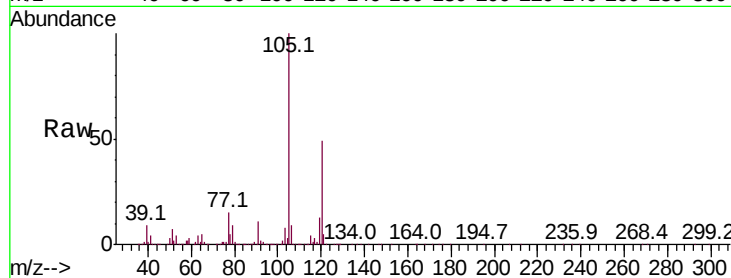
ClientSampleId :

Tot Ion:105 Resp: 4805323

Ion Ratio Lower Upper

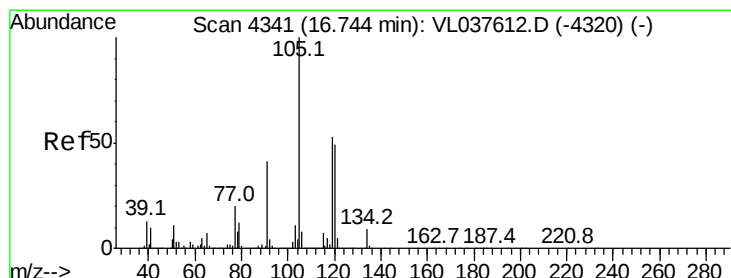
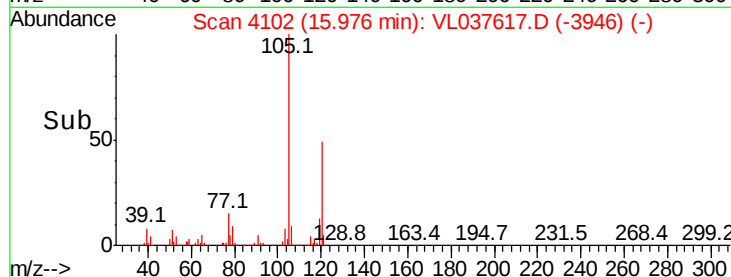
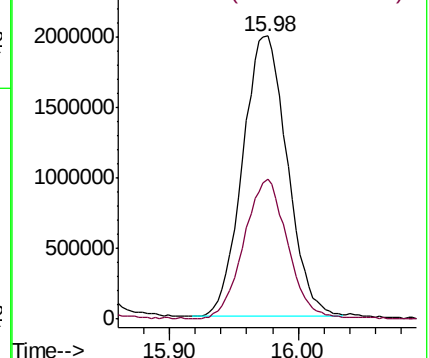
105 100

120 49.6 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.287 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Tgt Ion:105 Resp: 4992633

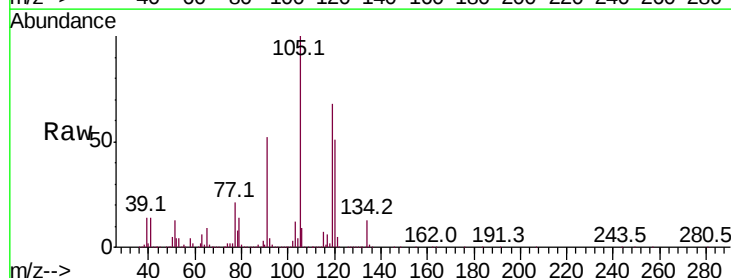
Ion Ratio Lower Upper

105 100

120 50.6 39.4 59.0

91 51.7 33.3 49.9#

77 21.3 15.7 23.5

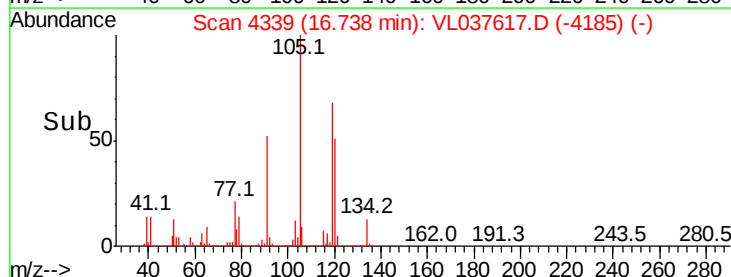
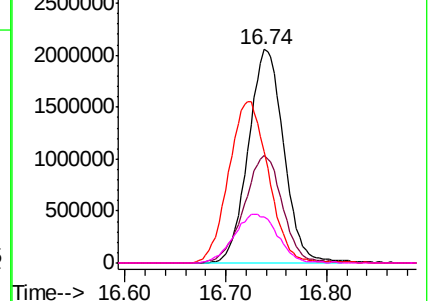


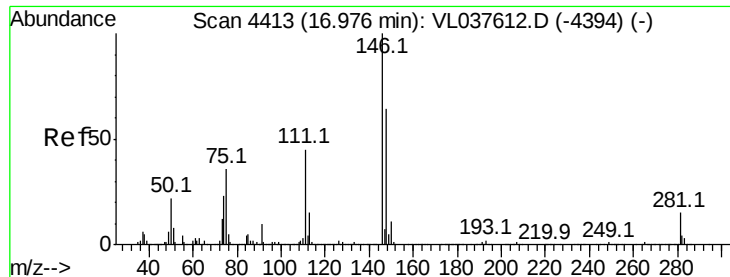
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.119 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

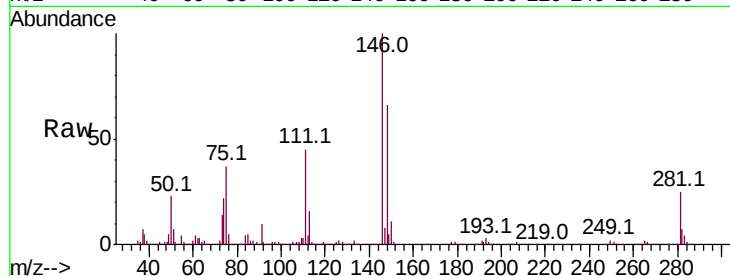
Tot Ion:146 Resp: 3030146

Ion Ratio Lower Upper

146 100

111 45.4 22.8 68.3

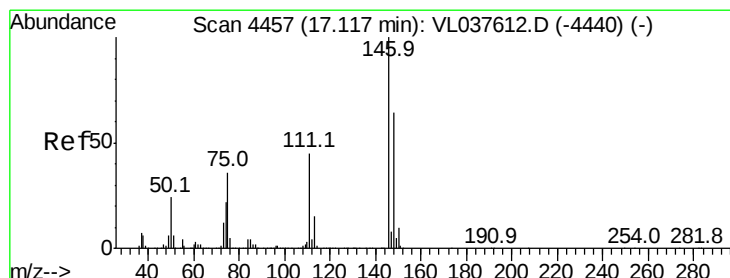
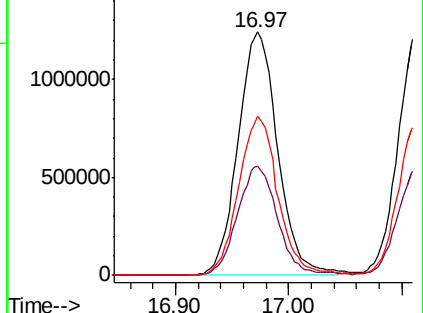
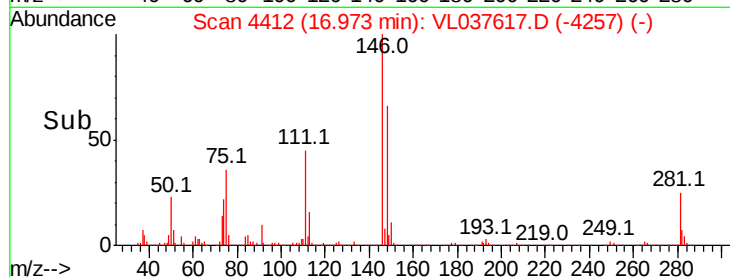
148 64.7 32.1 96.5



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: 6.961 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

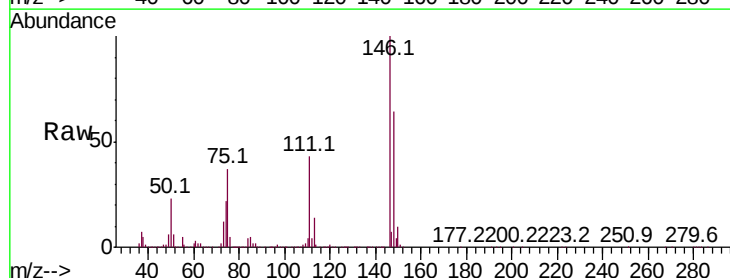
Tgt Ion:146 Resp: 2922252

Ion Ratio Lower Upper

146 100

111 46.5 22.5 67.5

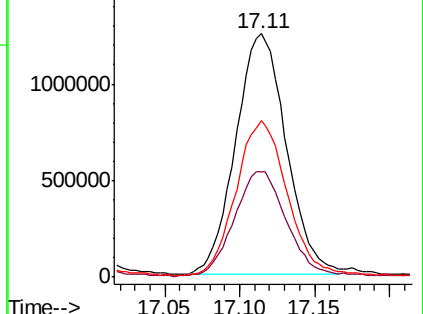
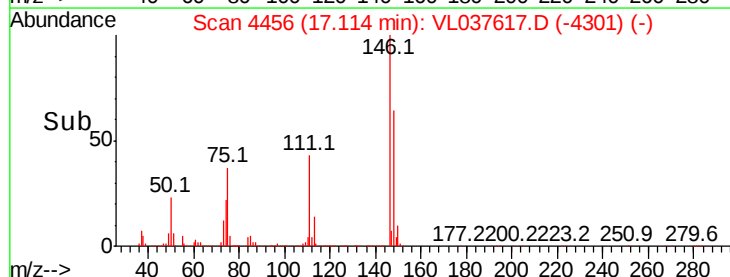
148 67.6 32.9 98.6

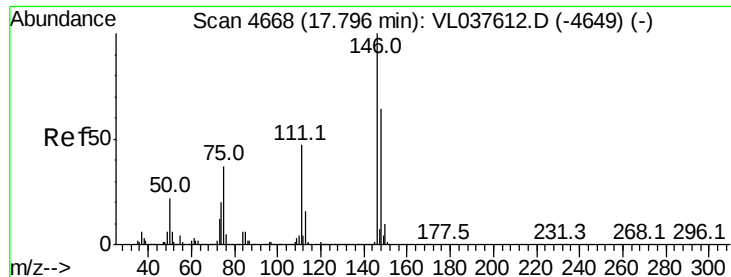


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.301 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

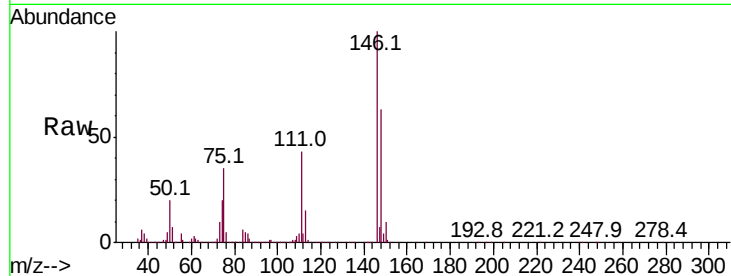
Tot Ion:146 Resp: 2947725

Ion Ratio Lower Upper

146 100

111 46.3 24.0 72.0

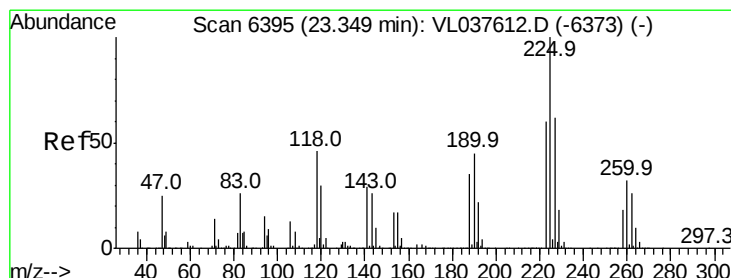
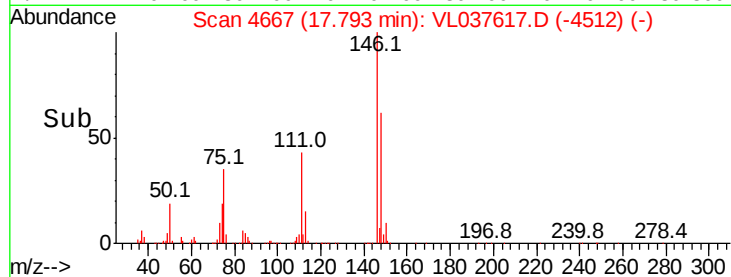
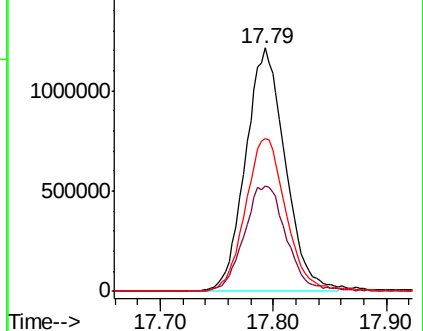
148 64.6 32.8 98.3



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: 6.985 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.01 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

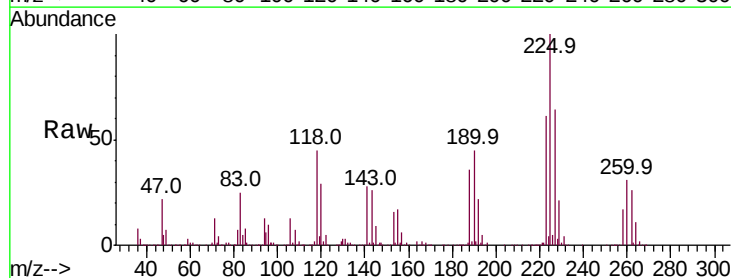
Tgt Ion:225 Resp: 2373501

Ion Ratio Lower Upper

225 100

223 63.5 51.1 76.7

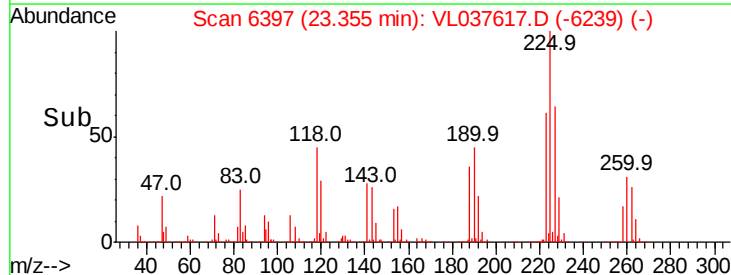
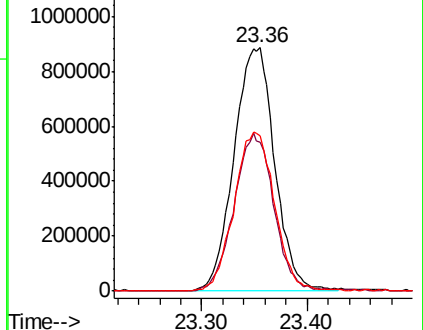
227 65.2 52.2 78.4

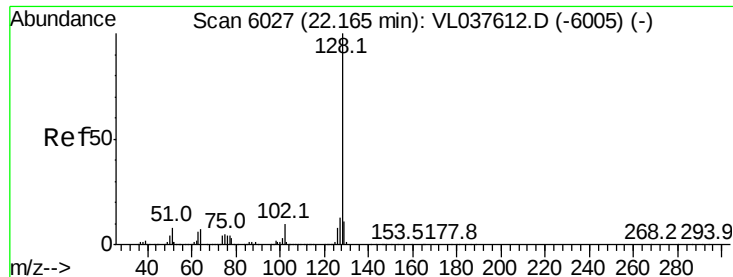


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

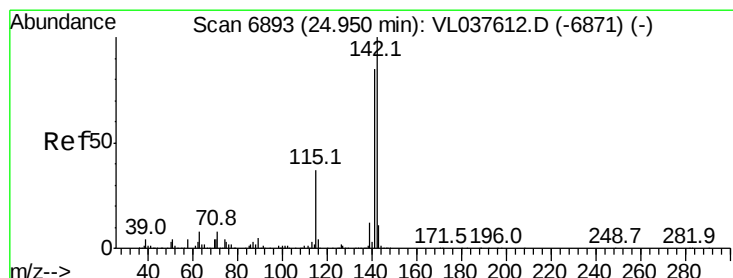
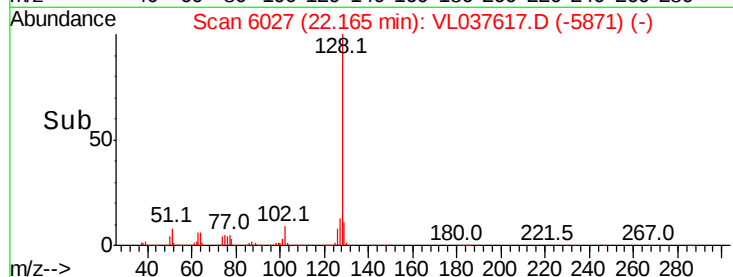
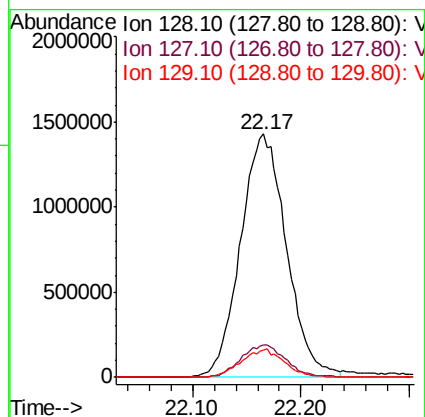
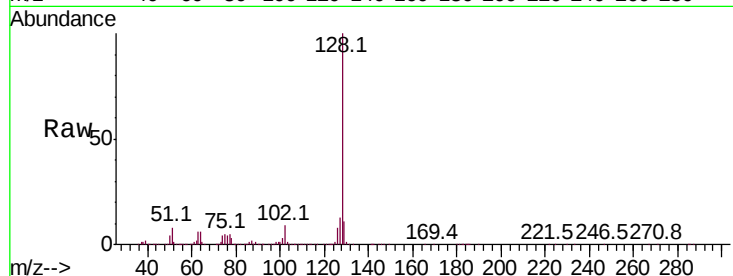




#79
Naphthalene
Concen: 10.009 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. 0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

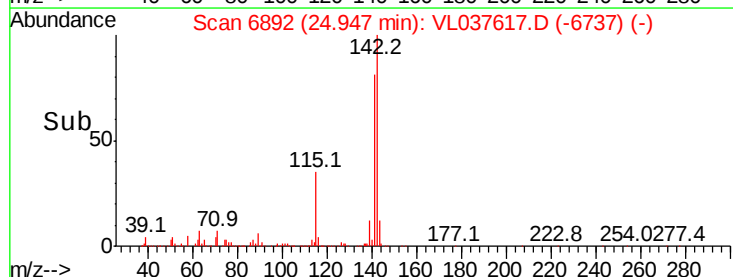
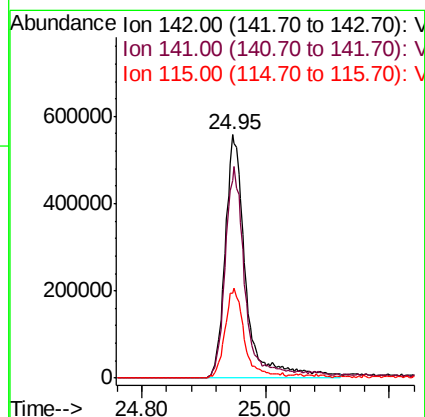
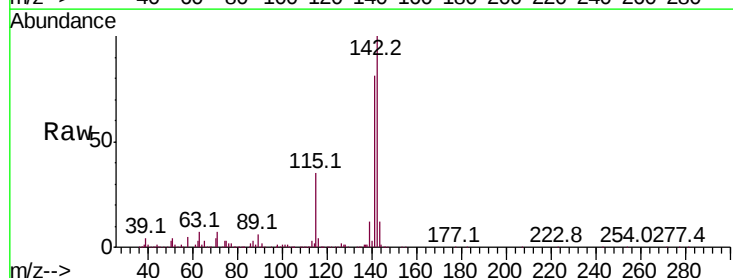
Instrument :
MSVOA_L
ClientSampleId :

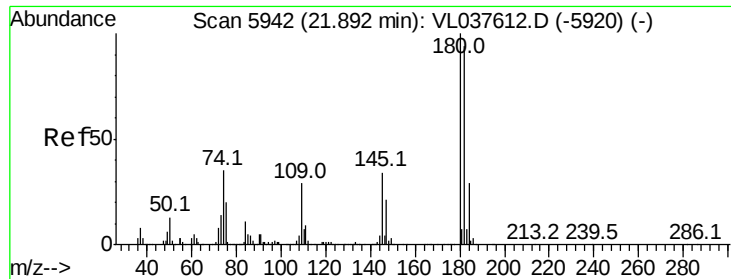
Tot Ion:128 Resp: 4210458
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.0 8.6 12.8



#80
Naphthalene, 2-methyl-
Concen: 13.487 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.00 min
Lab File: VL037617.D
Acq: 16 Sep 2021 14:01

Tgt Ion:142 Resp: 1296779
Ion Ratio Lower Upper
142 100
141 83.5 70.9 106.3
115 34.7 29.6 44.4





#81

1,2,4-Trichlorobenzene

Concen: 8.998 ppbv

RT: 21.90 min Scan# 5943

Delta R.T. 0.00 min

Lab File: VL037617.D

Acq: 16 Sep 2021 14:01

Instrument :

MSVOA_L

ClientSampleId :

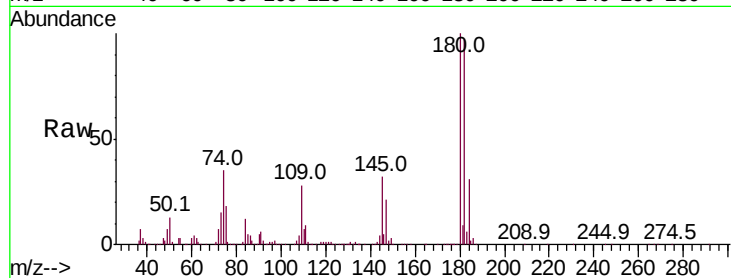
Tot Ion:180 Resp: 2430301

Ion Ratio Lower Upper

180 100

182 97.4 78.9 118.3

184 31.3 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

