

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037507.D
 Acq On : 19 Aug 2021 20:33
 Operator : SY/AP
 Sample : M3480-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 00:22:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1419813	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4075670	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3486874	10.00	ppbv	0.03

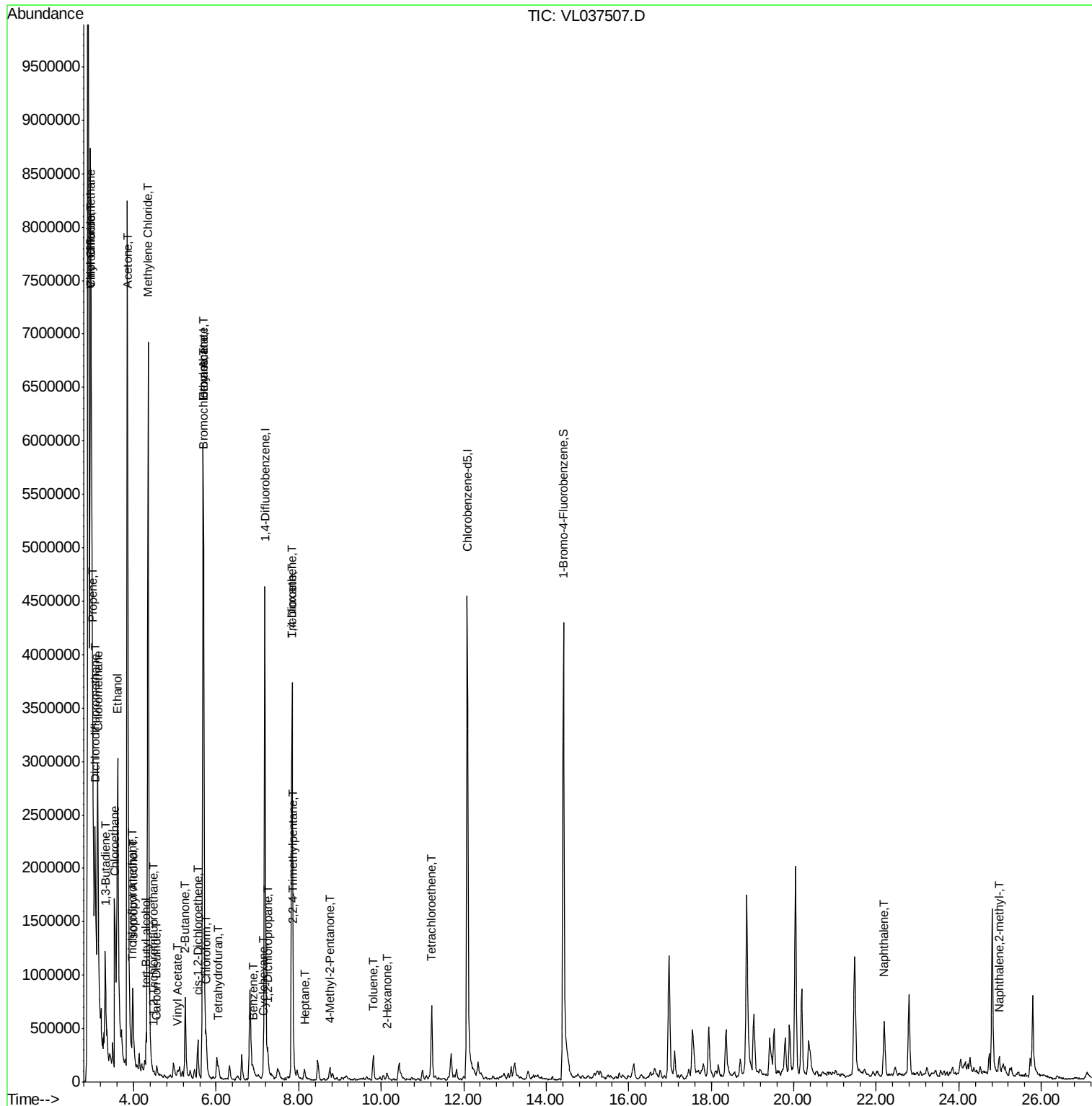
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2397675	9.68	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

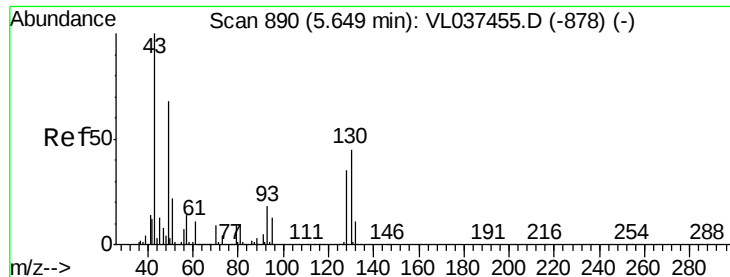
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	46857	0.206	ppbv 93
3) Chlorodifluoromethane	2.97	51	5336085	19.627	ppbv # 64
4) Chloromethane	3.14	50	13589	0.140	ppbv # 67
5) Vinyl Chloride	2.95	62	14518	0.146	ppbv # 1
7) Chloroethane	3.56	64	1318	0.039	ppbv # 75
9) Propene	3.01	41	201479	2.071	ppbv 96
10) Heptane	8.14	43	7667	0.034	ppbv # 26
11) Trichlorofluoromethane	3.96	101	58922	0.276	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	7655	0.049	ppbv # 68
13) Ethanol	3.61	45	3443099	363.738	ppbv 95
15) Acetone	3.85	43	11090171	76.750	ppbv 99
16) 1,3-Butadiene	3.31	39	271650	2.931	ppbv # 17
17) tert-Butyl alcohol	4.30	59	393378	2.980	ppbv 97
19) Isopropyl Alcohol	3.97	45	925463	11.179	ppbv # 1
20) Methylene Chloride	4.35	84	3014822	41.672	ppbv 99
23) Vinyl Acetate	5.07	43	14442	0.068	ppbv # 67
25) Ethyl Acetate	5.69	43	1680716	4.582	ppbv # 78
26) Hexane	5.69	57	2308736	12.873	ppbv # 46
27) Carbon Disulfide	4.56	76	93643	0.586	ppbv # 93
29) Chloroform	5.76	83	215404	0.847	ppbv 99
30) Cyclohexane	7.14	84	6338	0.042	ppbv # 1
31) cis-1,2-Dichloroethene	5.55	61	119889	0.739	ppbv 94
34) 2-Butanone	5.25	43	1023815	6.152	ppbv 96
36) Benzene	6.89	78	21976	0.064	ppbv # 79
38) Trichloroethene	7.84	130	1392791	9.908	ppbv 96
39) 1,2-Dichloropropane	7.25	63	11624	0.088	ppbv # 79
40) 1,4-Dioxane	7.84	88	34336	1.065	ppbv # 100
41) Tetrahydrofuran	6.05	42	26184	0.327	ppbv # 36
44) 2,2,4-Trimethylpentane	7.87	57	32250	0.056	ppbv # 45
50) 4-Methyl-2-Pentanone	8.75	43	46382	0.214	ppbv # 21
51) 2-Hexanone	10.15	43	11027	0.110	ppbv # 27
52) Tetrachloroethene	11.22	164	86573	0.617	ppbv 92
53) Toluene	9.81	91	166838	0.426	ppbv 95
79) Naphthalene	22.20	128	329876	1.070	ppbv 99
80) Naphthalene,2-methyl-	24.97	142	9901	0.115	ppbv # 74

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037507.D
Acq On : 19 Aug 2021 20:33
Operator : SY/AP
Sample : M3480-05
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 00:22:59 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Instrument :

MSVOA_L

ClientSampleId :

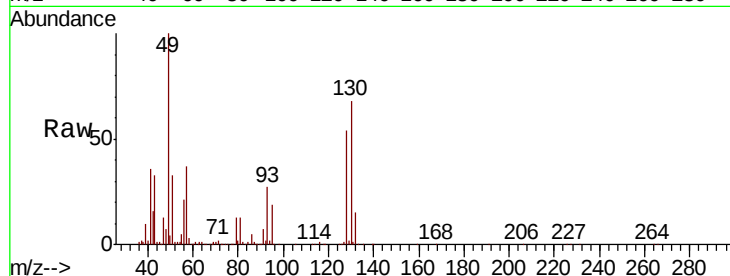
Tot Ion: 49 Resp: 1419813

Ion Ratio Lower Upper

49 100

128 53.2 27.5 82.4

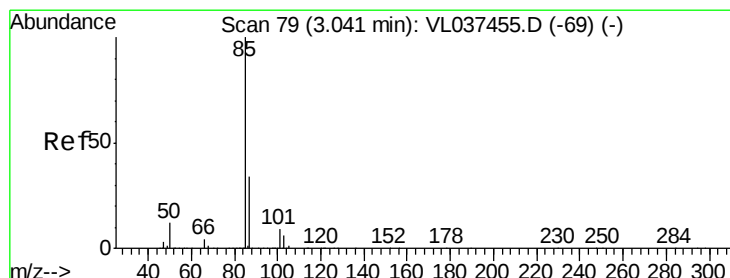
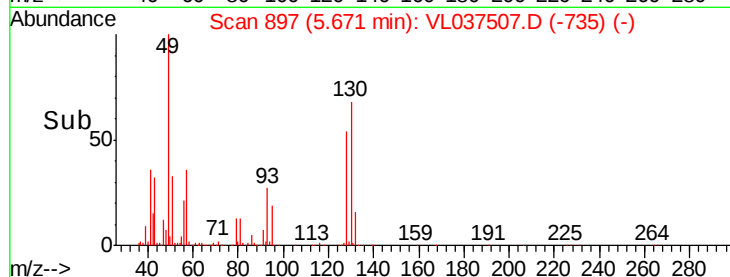
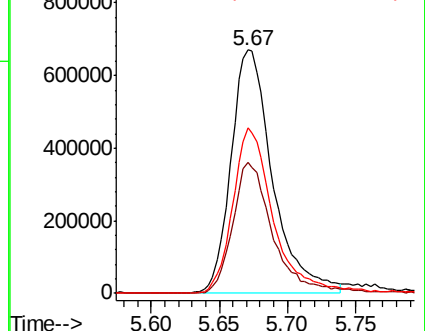
130 67.1 34.0 101.8



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: 0.206 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL037507.D

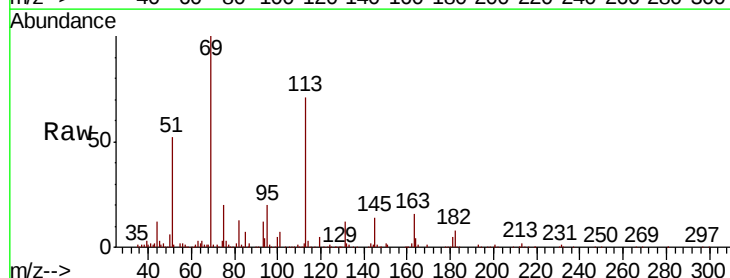
Acq: 19 Aug 2021 20:33

Tgt Ion: 85 Resp: 46857

Ion Ratio Lower Upper

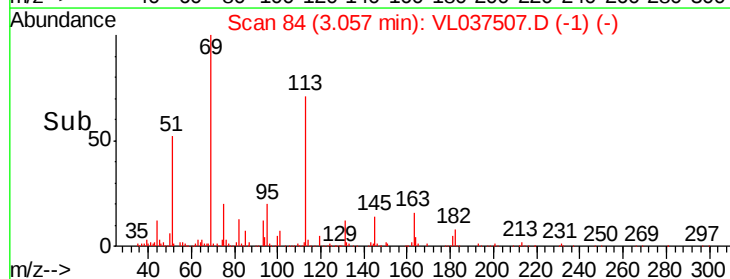
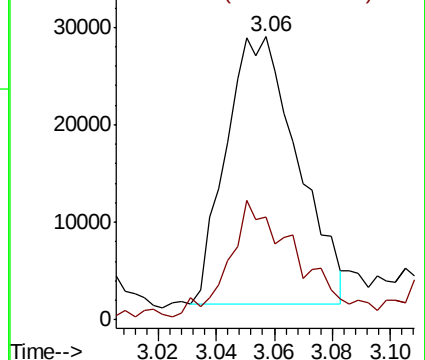
85 100

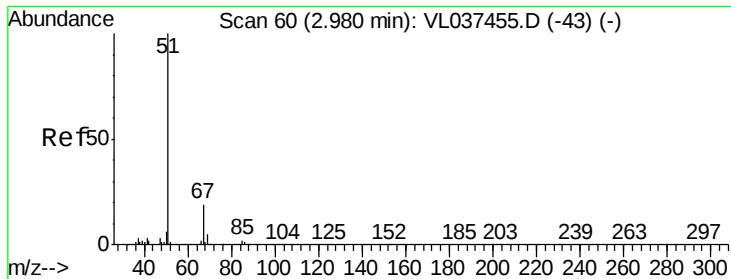
87 30.7 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 19.627 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Instrument :

MSVOA_L

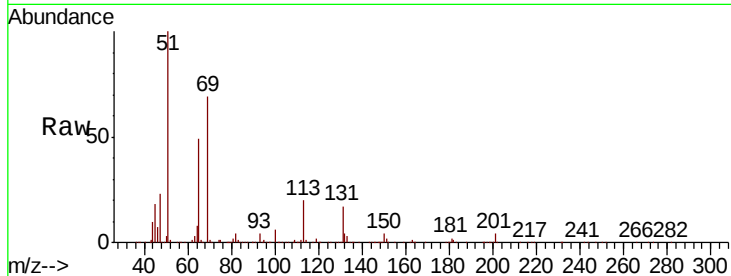
ClientSampleId :

Tot Ion: 51 Resp: 5336085

Ion Ratio Lower Upper

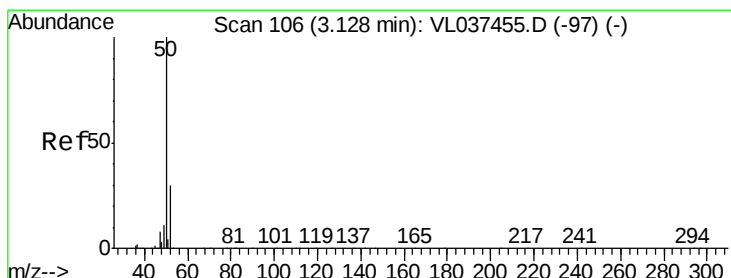
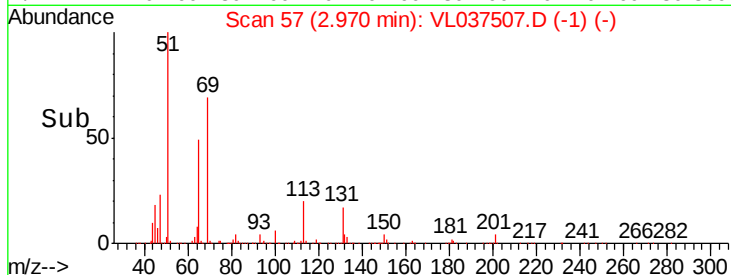
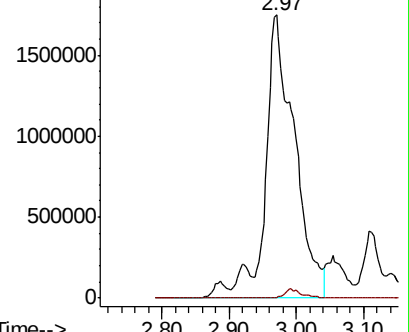
51 100

67 1.9 14.2 21.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.140 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037507.D

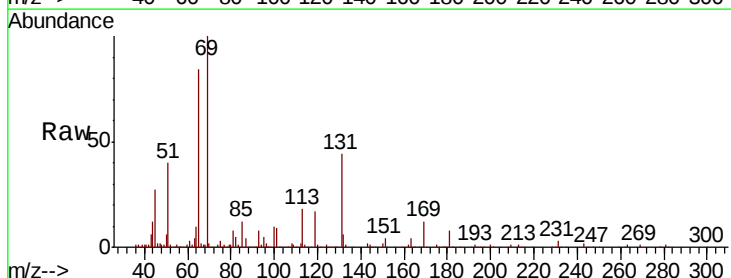
Acq: 19 Aug 2021 20:33

Tgt Ion: 50 Resp: 13589

Ion Ratio Lower Upper

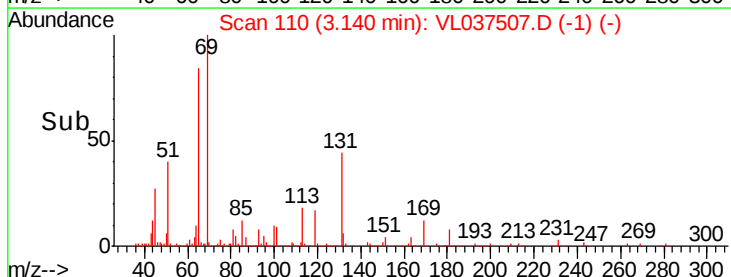
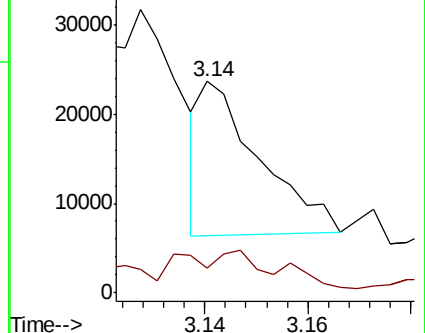
50 100

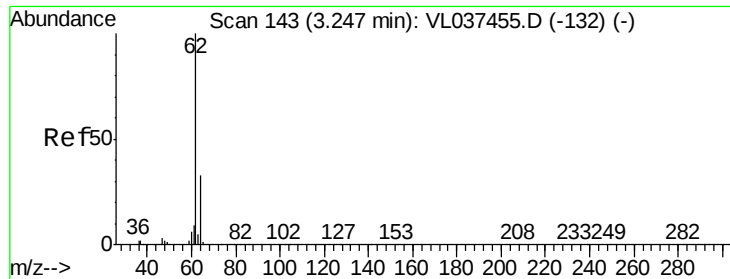
52 12.2 24.0 36.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.146 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.29 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

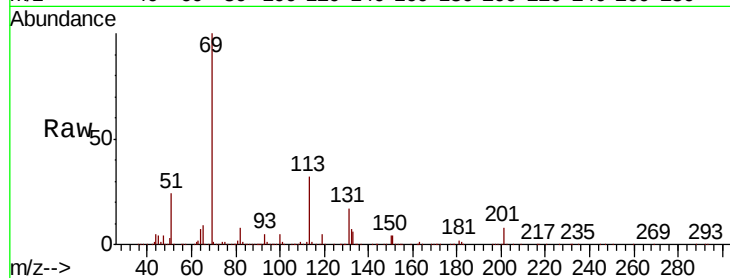
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 62 Resp: 14518

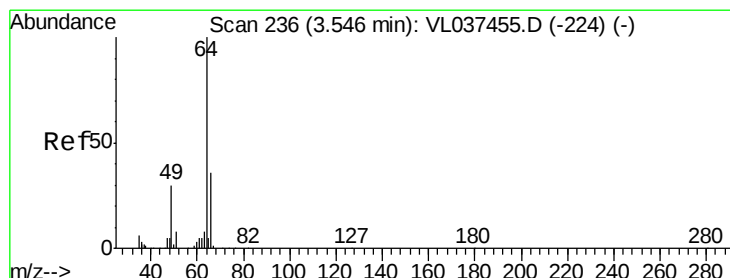
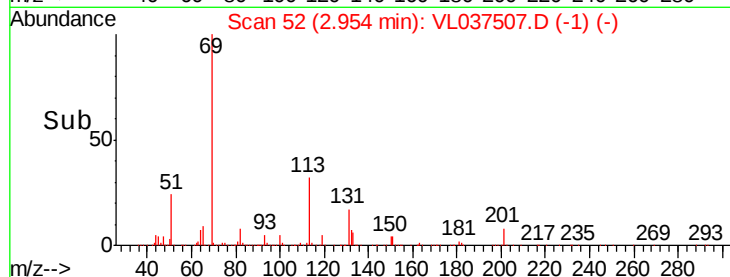
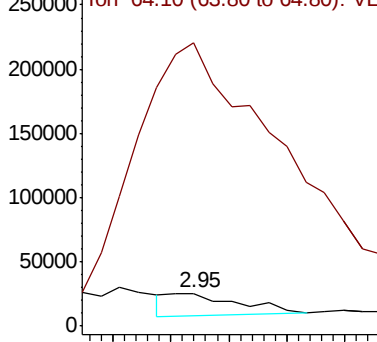
Ion Ratio Lower Upper

62 100

64 711.3 26.5 39.7#



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



#7

Chloroethane

Concen: 0.039 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL037507.D

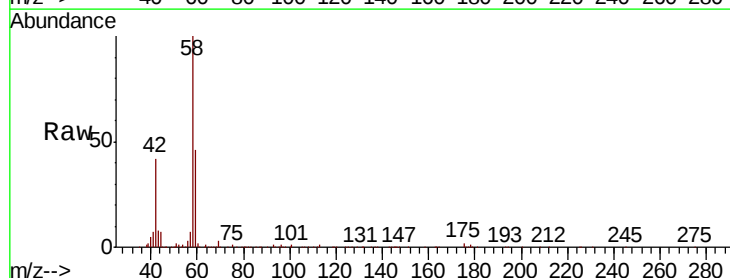
Acq: 19 Aug 2021 20:33

Tgt Ion: 64 Resp: 1318

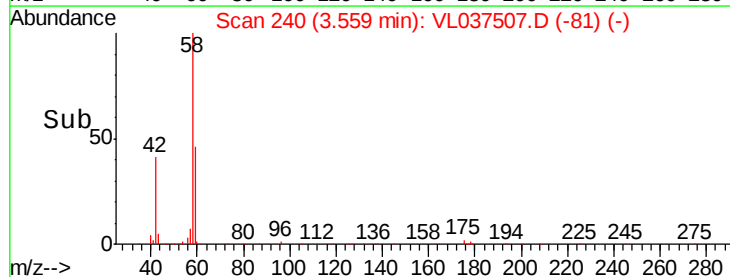
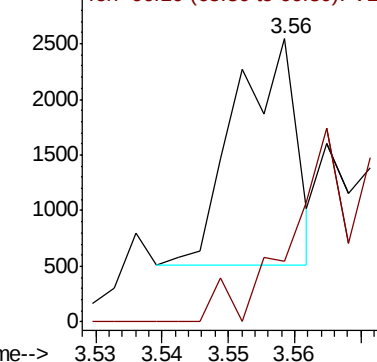
Ion Ratio Lower Upper

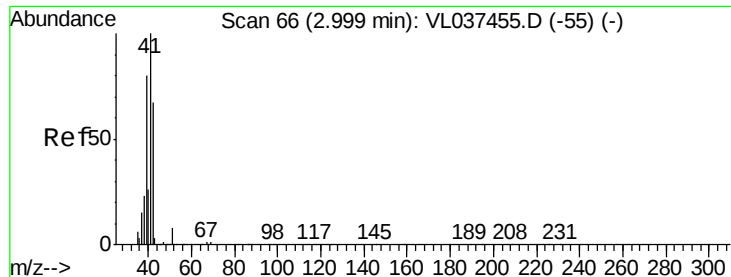
64 100

66 21.2 28.6 43.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0
Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 2.071 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Instrument :

MSVOA_L

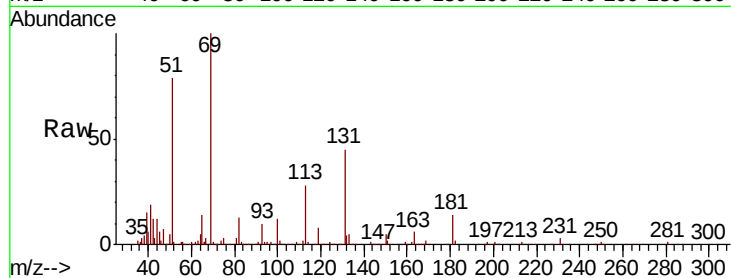
ClientSampleId :

Tot Ion: 41 Resp: 201479

Ion Ratio Lower Upper

41 100

42 64.3 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

120000

100000

80000

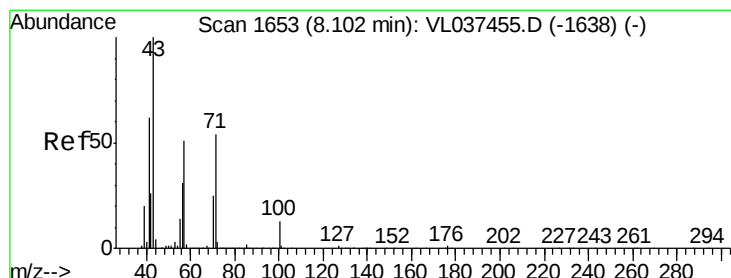
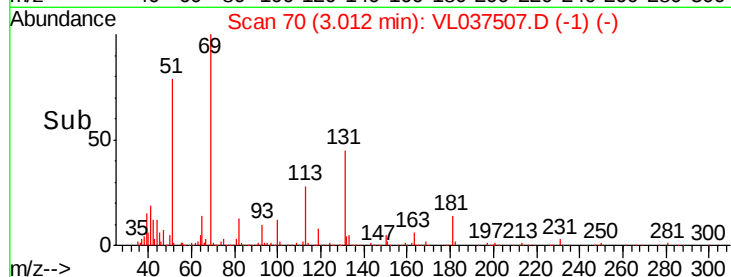
60000

40000

20000

0

Time--> 2.95 3.00 3.05



#10

Heptane

Concen: 0.034 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037507.D

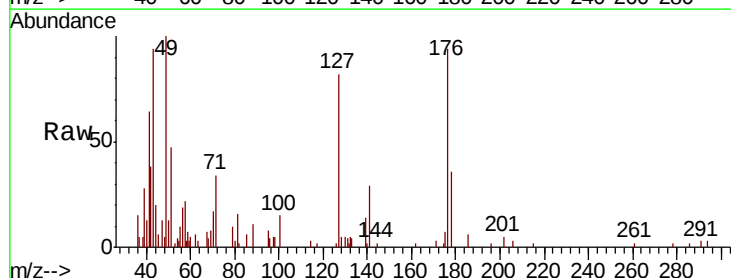
Acq: 19 Aug 2021 20:33

Tgt Ion: 43 Resp: 7667

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

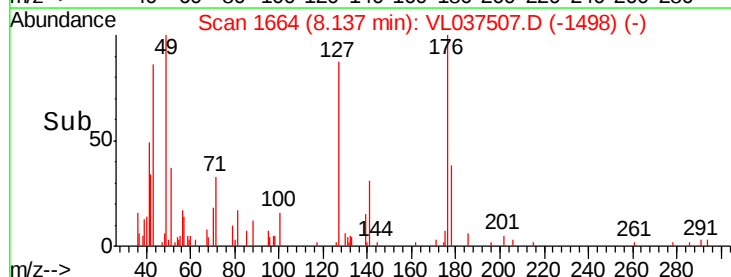
8.14

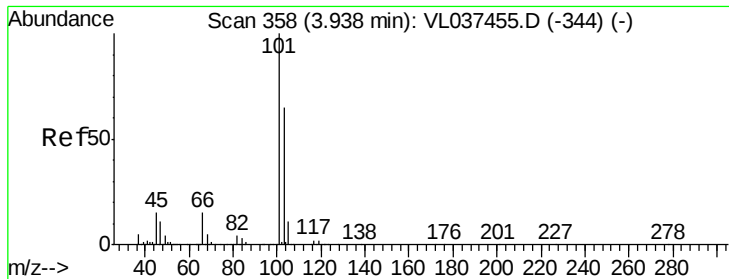
10000

5000

0

Time--> 8.12 8.14 8.16

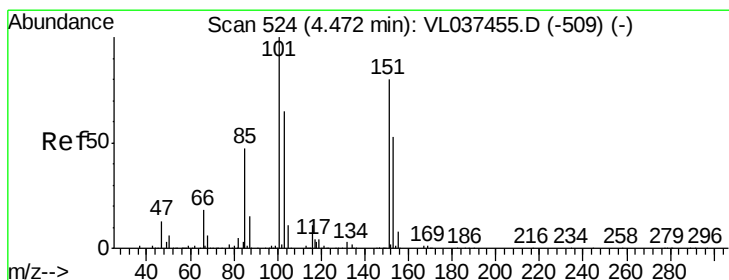
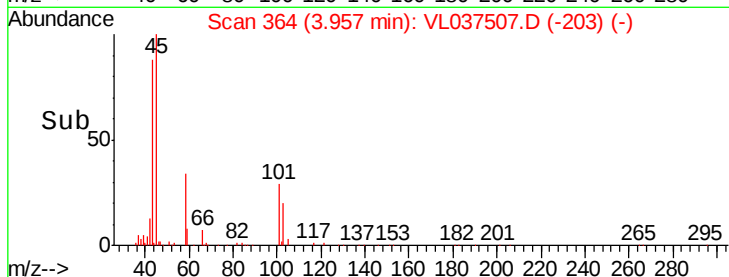
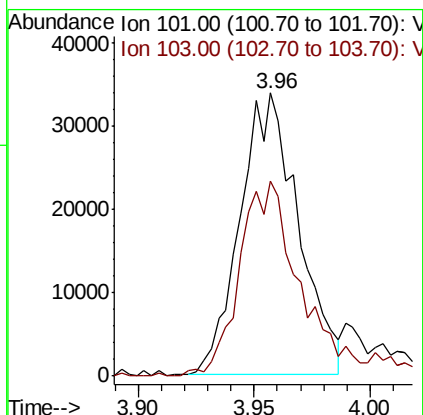




#11
 Trichlorofluoromethane
 Concen: 0.276 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

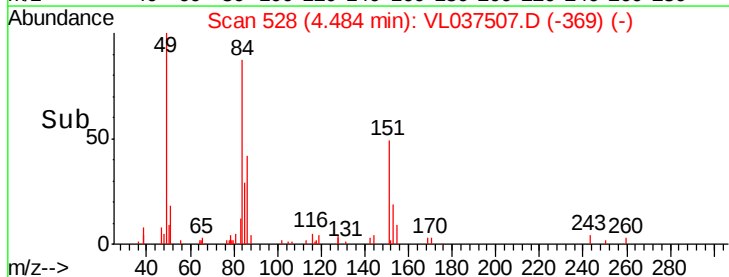
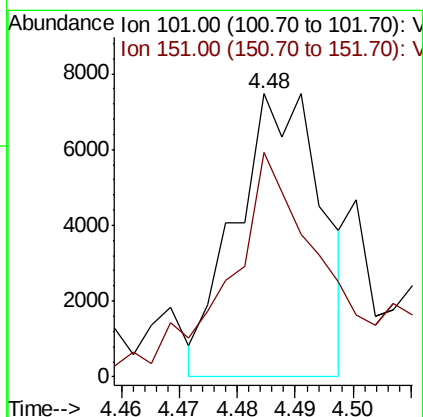
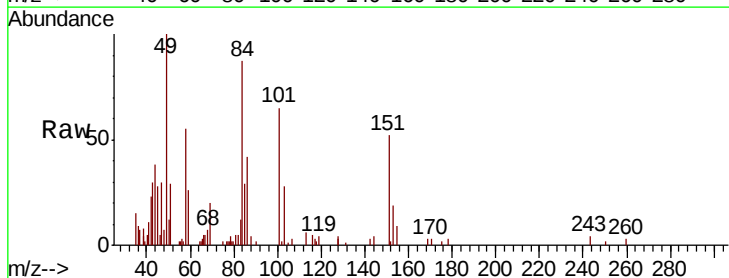
Instrument :
 MSVOA_L
 ClientSampleId :

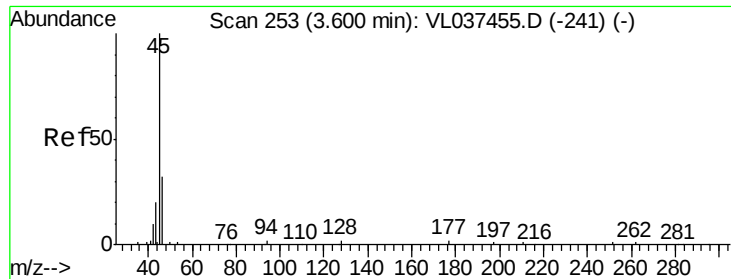
Tot Ion:101 Resp: 58922
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.049 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Tgt Ion:101 Resp: 7655
 Ion Ratio Lower Upper
 101 100
 151 108.1 63.7 95.5#

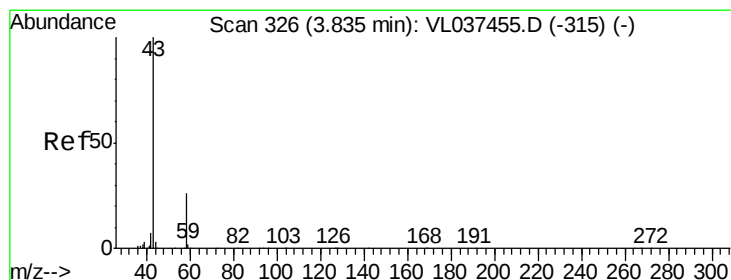
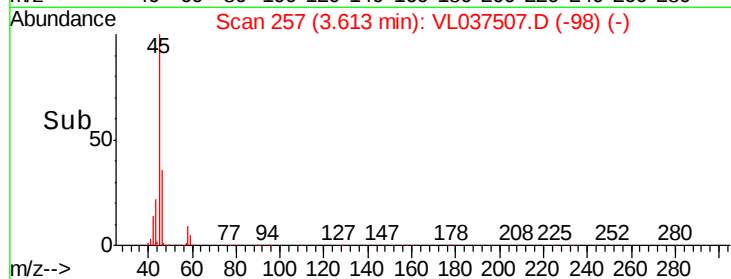
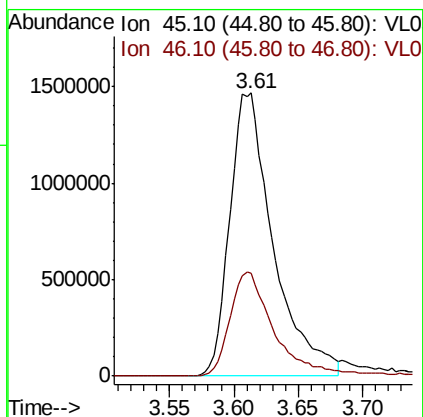
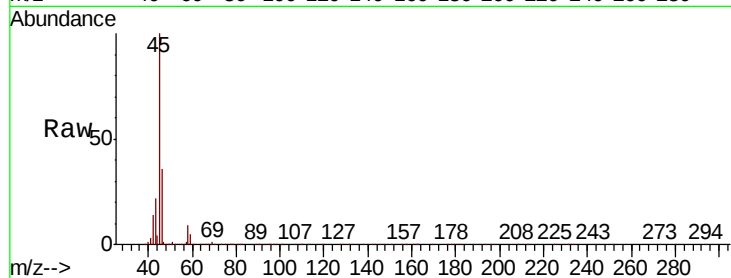




#13
Ethanol
Concen: 363.738 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

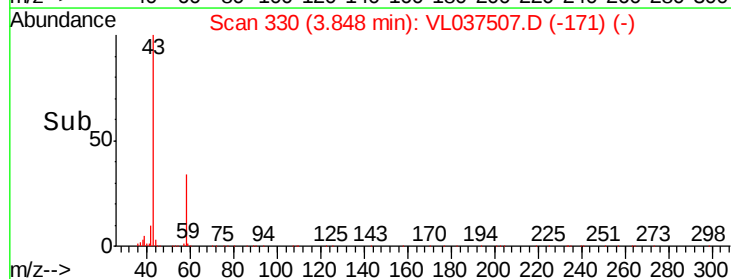
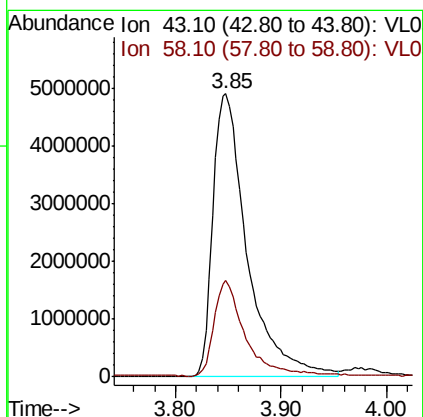
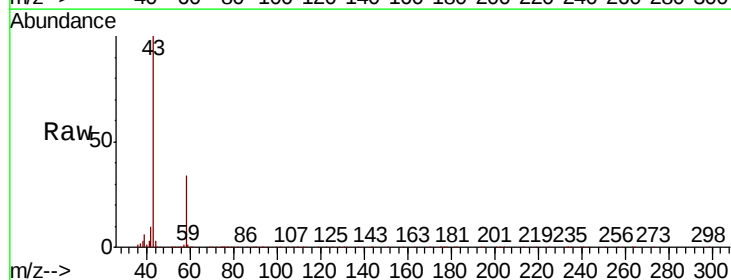
Instrument :
MSVOA_L
ClientSampleId :

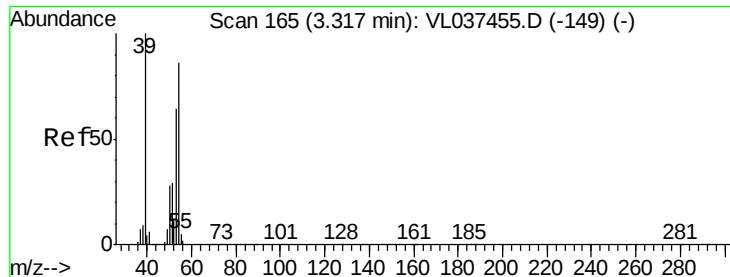
Tot Ion: 45 Resp: 3443099
Ion Ratio Lower Upper
45 100
46 38.2 14.1 56.5



#15
Acetone
Concen: 76.750 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

Tgt Ion: 43 Resp: 11090171
Ion Ratio Lower Upper
43 100
58 31.4 24.8 37.2

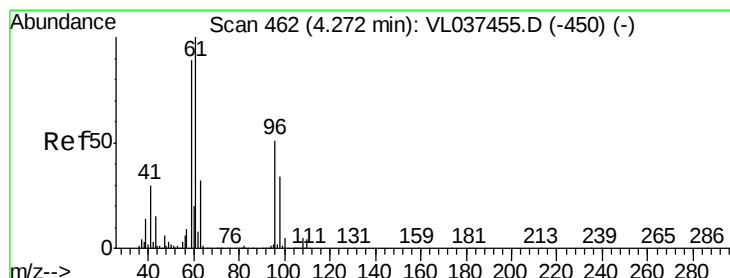
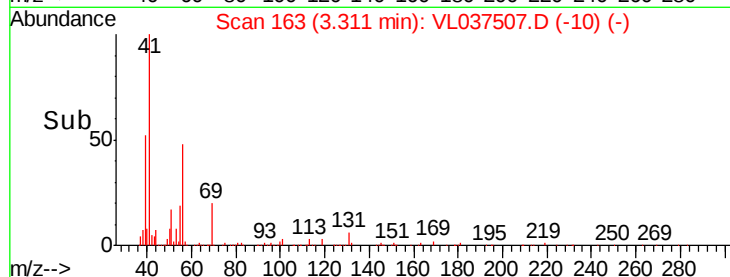
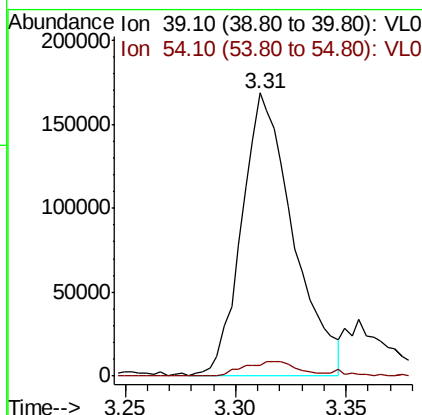
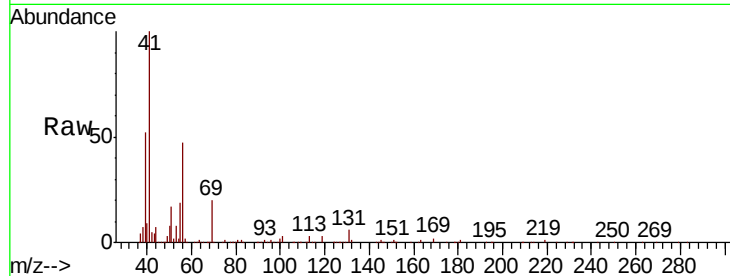




#16
1,3-Butadiene
Concen: 2.931 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

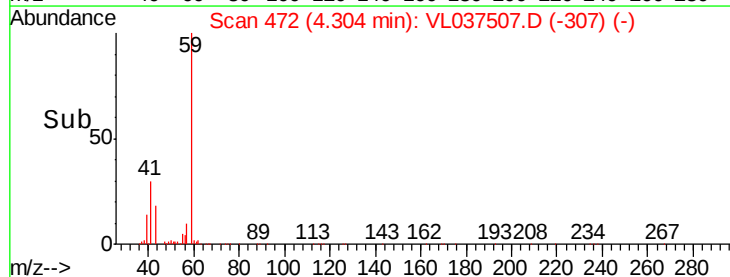
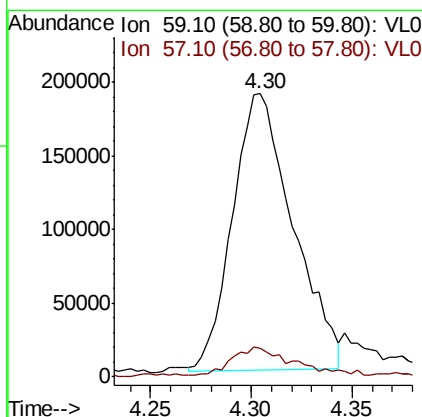
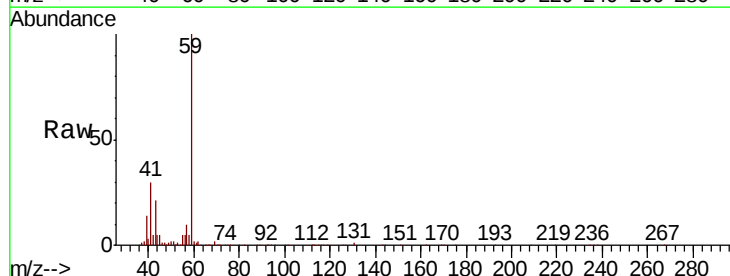
Instrument :
MSVOA_L
ClientSampleId :

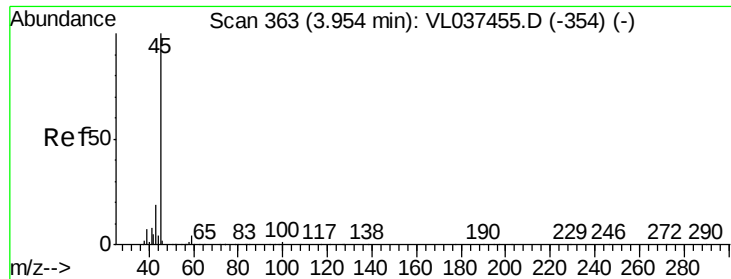
Tot Ion: 39 Resp: 271650
Ion Ratio Lower Upper
39 100
54 6.4 63.7 95.5#



#17
tert-Butyl alcohol
Concen: 2.980 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

Tgt Ion: 59 Resp: 393378
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5





#19

Isopropyl Alcohol

Concen: 11.179 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Instrument :

MSVOA_L

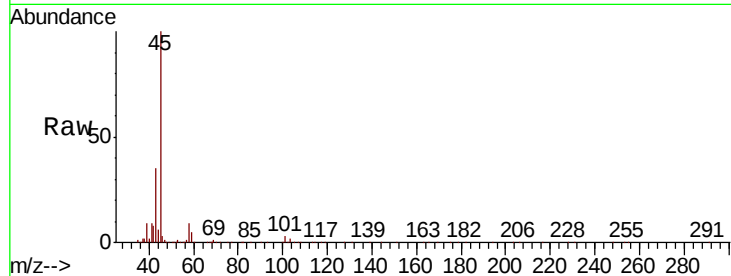
ClientSampleId :

Tot Ion: 45 Resp: 925463

Ion Ratio Lower Upper

45 100

58 376.4 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

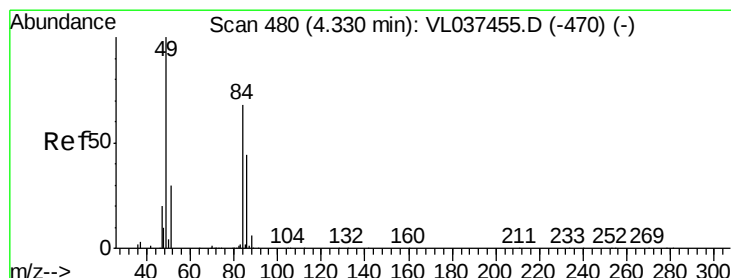
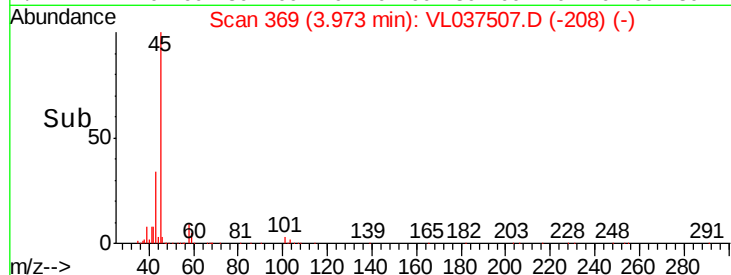
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 41.672 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Tgt Ion: 84 Resp: 3014822

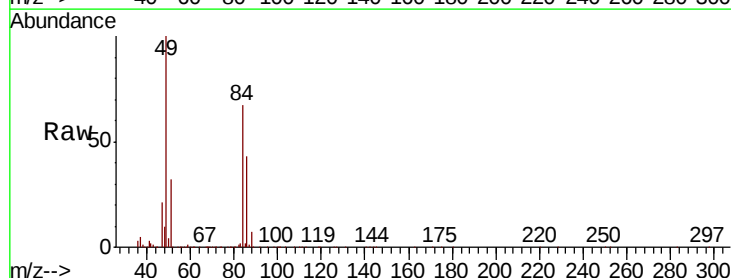
Ion Ratio Lower Upper

84 100

49 149.6 118.2 177.2

51 47.3 36.6 55.0

86 64.5 51.8 77.6



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

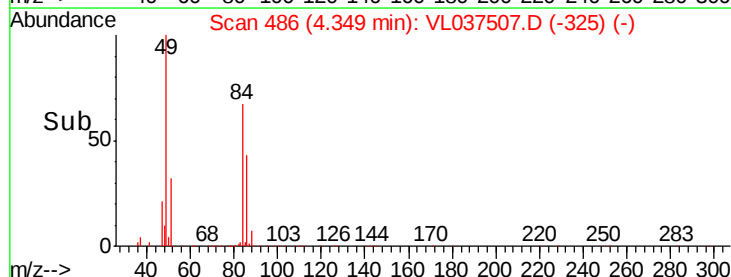
3000000

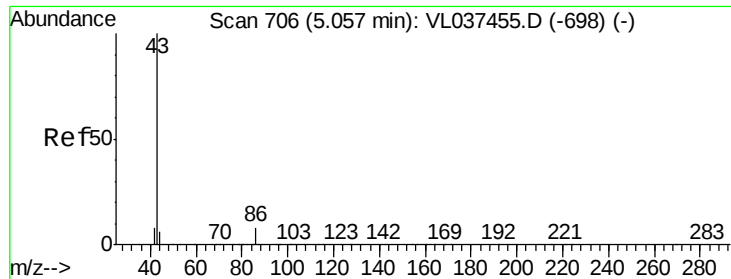
2000000

1000000

0

Time-->





#23

Vinyl Acetate

Concen: 0.068 ppbv

RT: 5.07 min Scan# 709

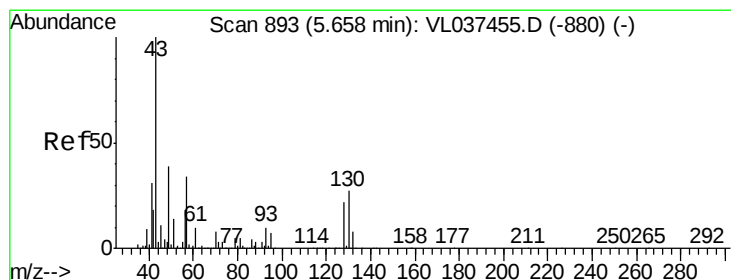
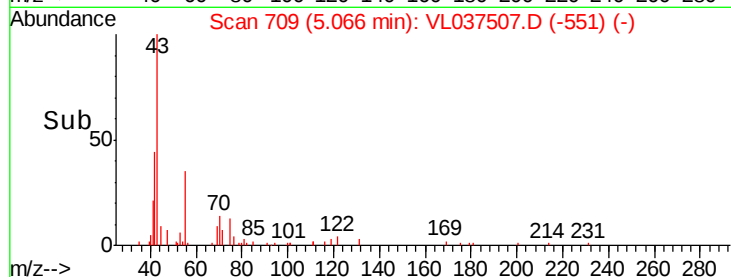
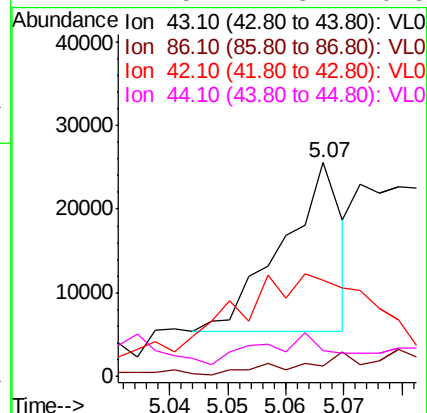
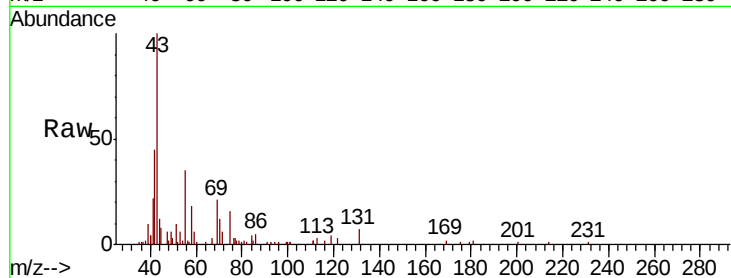
Delta R.T. 0.01 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	14442
Ion	Ratio	Lower	Upper
43	100		
86	3.2	5.7	8.5#
42	33.5	7.4	11.2#
44	4.5	4.3	6.5



#25

Ethyl Acetate

Concen: 4.582 ppbv

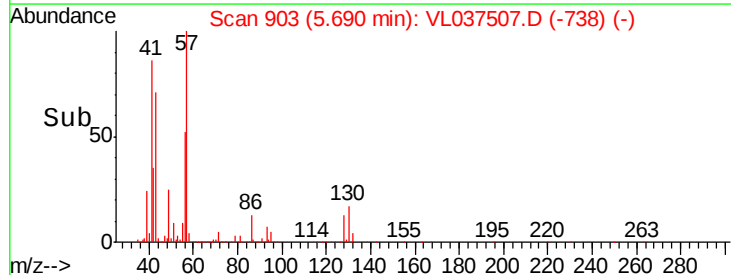
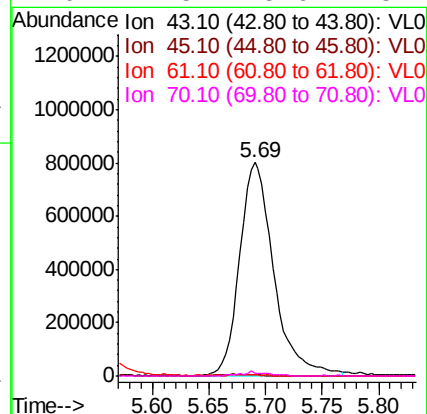
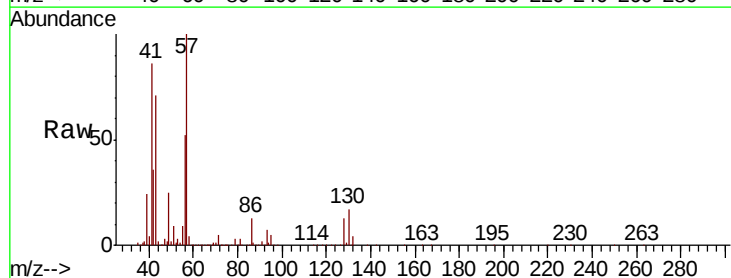
RT: 5.69 min Scan# 903

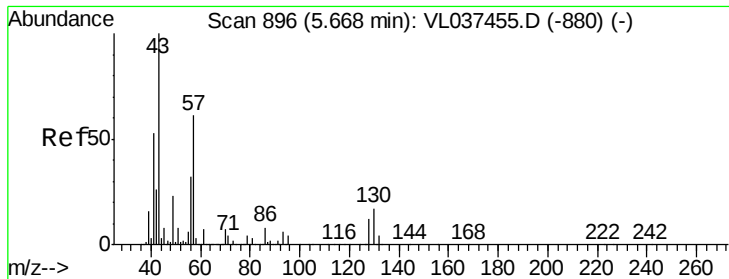
Delta R.T. 0.03 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Tgt Ion:	43	Resp:	1680716
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.0	12.0#
61	0.7	8.0	12.0#
70	1.5	5.6	8.4#

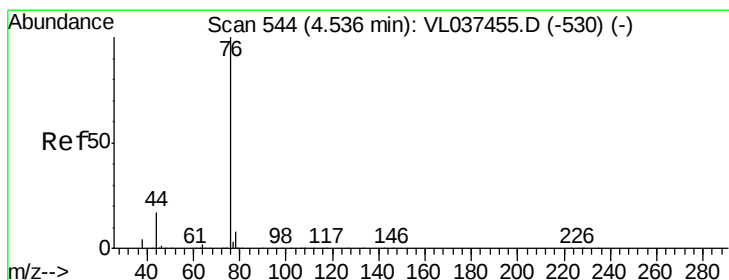
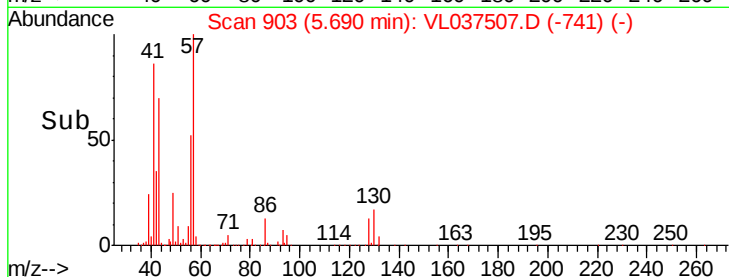
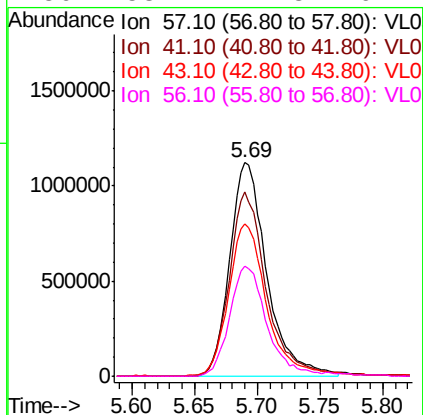
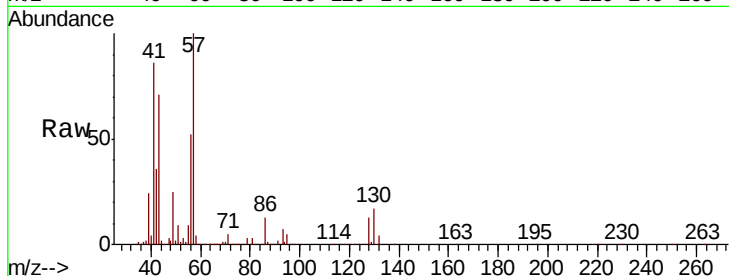




#26
Hexane
Concen: 12.873 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

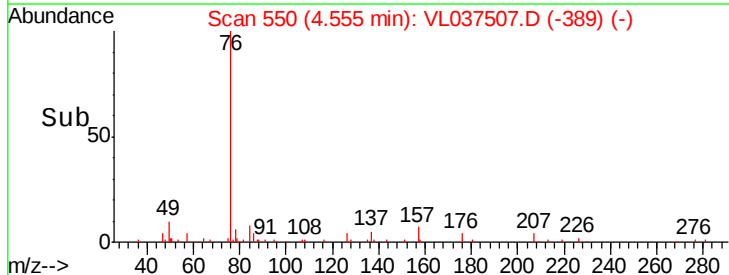
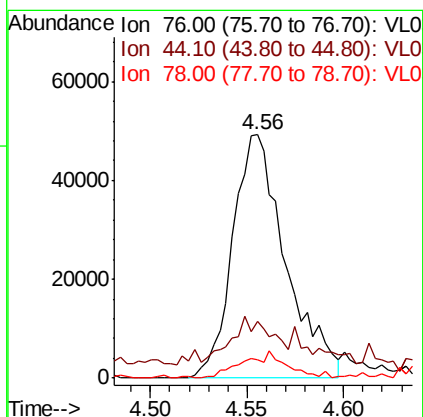
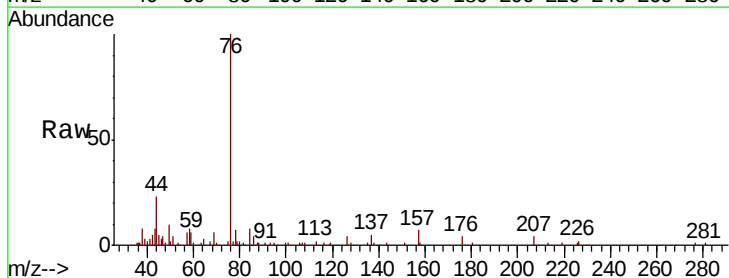
Instrument :
MSVOA_L
ClientSampleId :

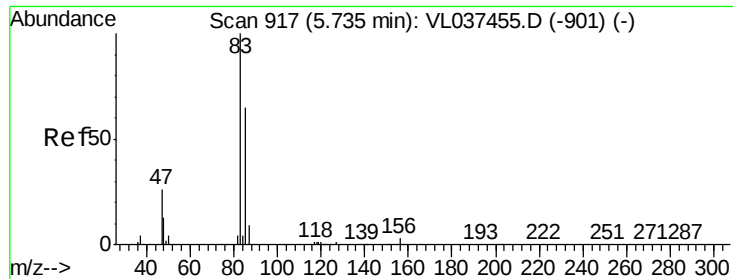
Tot Ion: 57 Resp: 2308736
Ion Ratio Lower Upper
57 100
41 87.7 72.3 108.5
43 73.8 172.3 258.5#
56 53.2 42.8 64.2



#27
Carbon Disulfide
Concen: 0.586 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.02 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

Tgt Ion: 76 Resp: 93643
Ion Ratio Lower Upper
76 100
44 22.1 13.9 20.9#
78 9.6 7.9 11.9

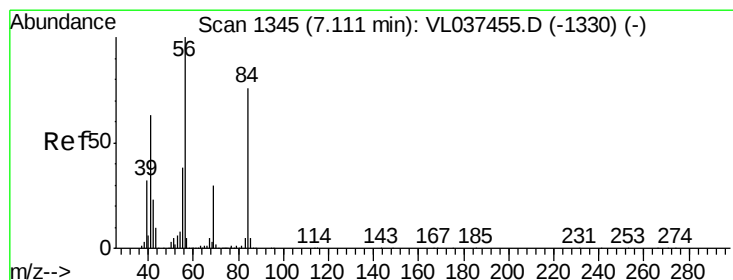
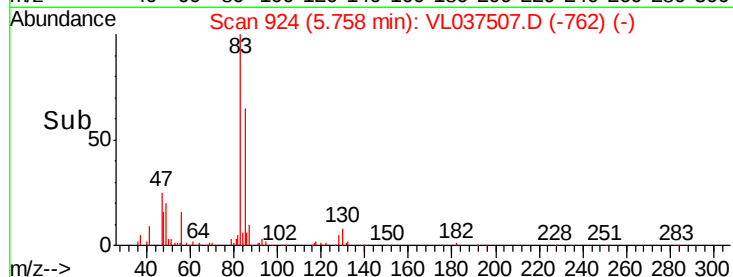
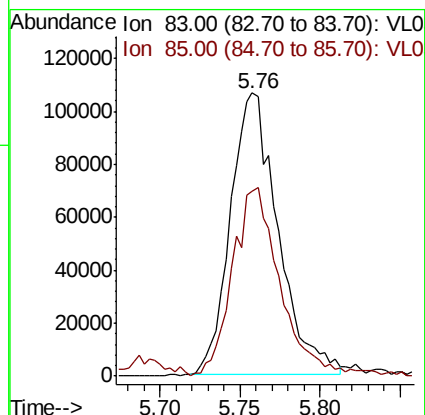
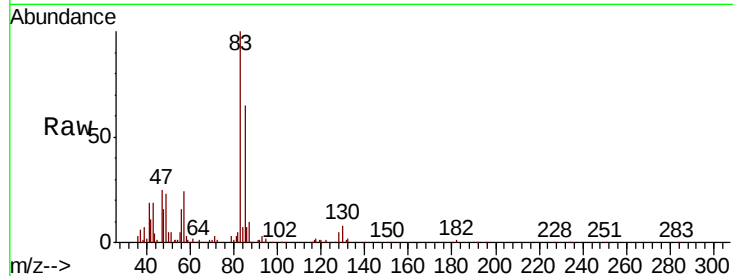




#29
Chloroform
Concen: 0.847 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

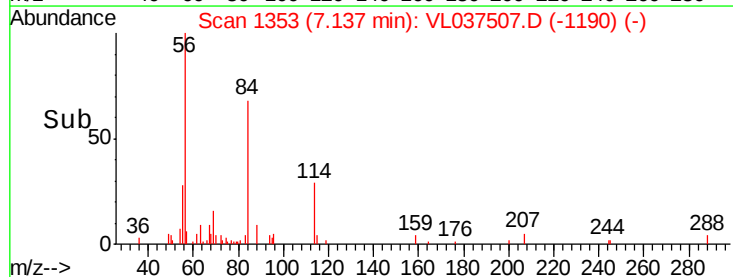
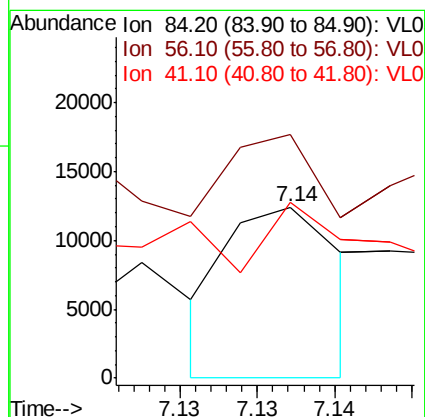
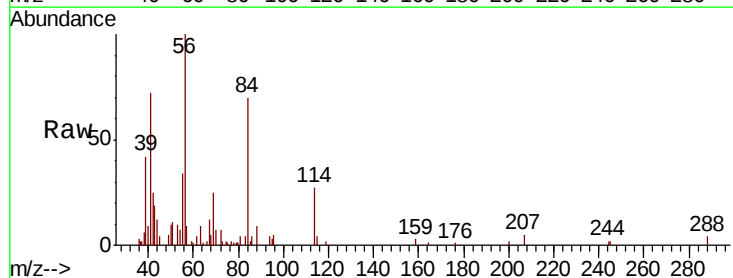
Instrument :
MSVOA_L
ClientSampleId :

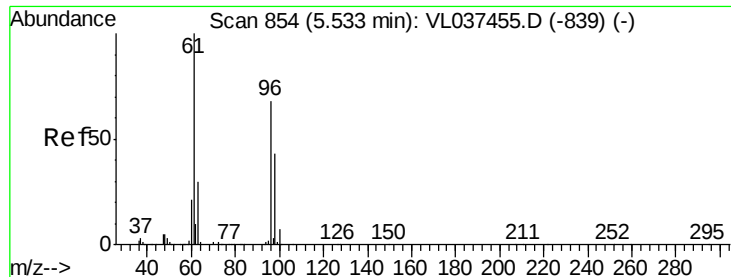
Tot Ion: 83 Resp: 215404
Ion Ratio Lower Upper
83 100
85 65.9 52.3 78.5



#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

Tgt Ion: 84 Resp: 6338
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 468.4 67.0 100.6#



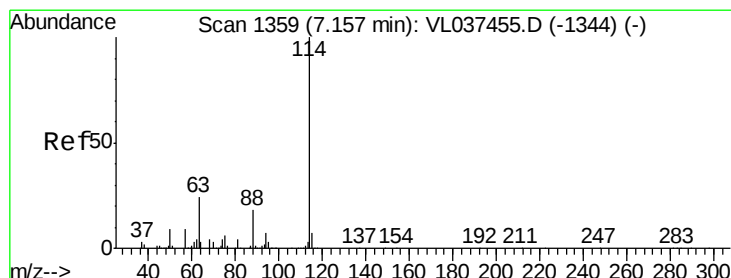
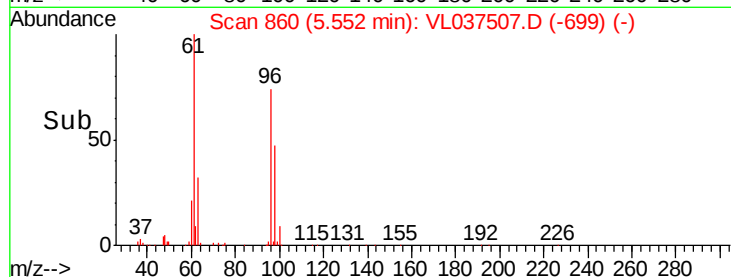
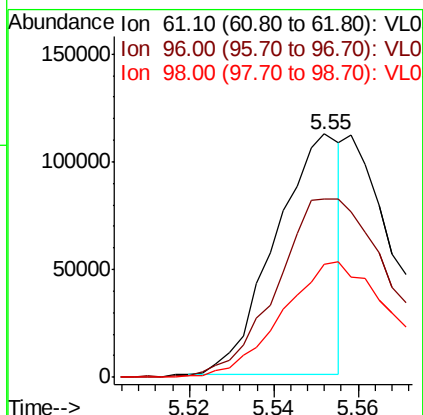
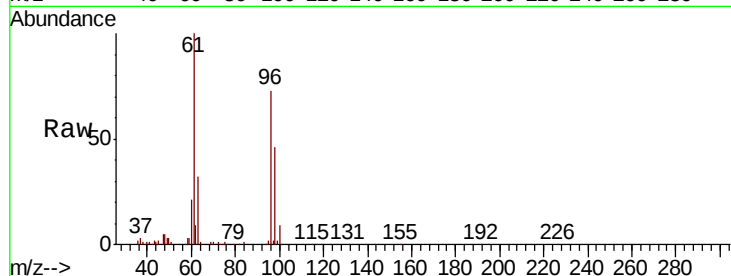


#31

cis-1,2-Dichloroethene
 Concen: 0.739 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Instrument :
 MSVOA_L
 ClientSampleId :

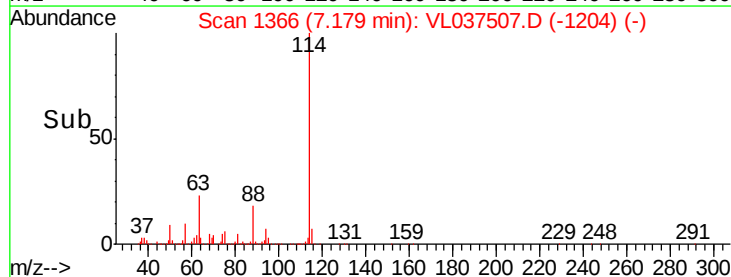
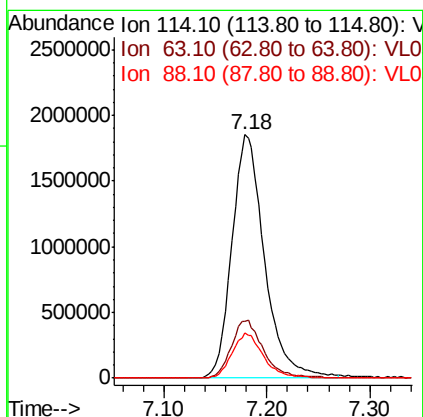
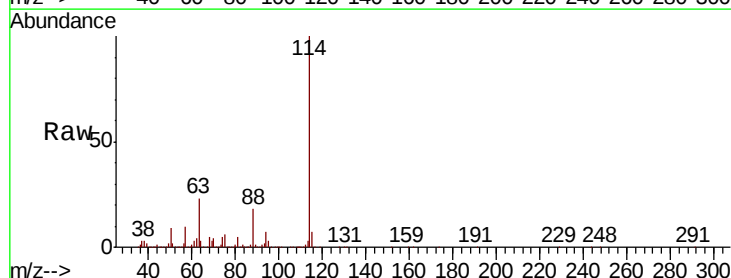
Tot Ion:	61	Resp:	119889
Ion	Ratio	Lower	Upper
61	100		
96	73.7	54.8	82.2
98	46.3	34.2	51.2

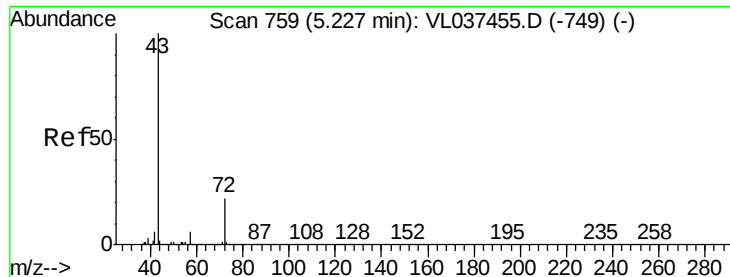


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Tgt Ion:	114	Resp:	4075670
Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.3	28.9
88	18.0	14.2	21.4

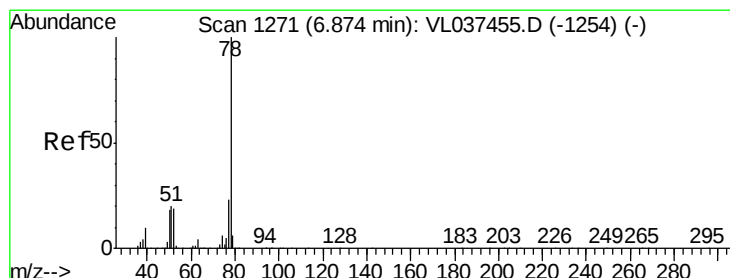
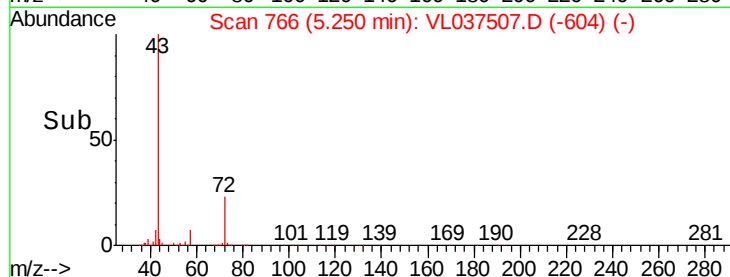
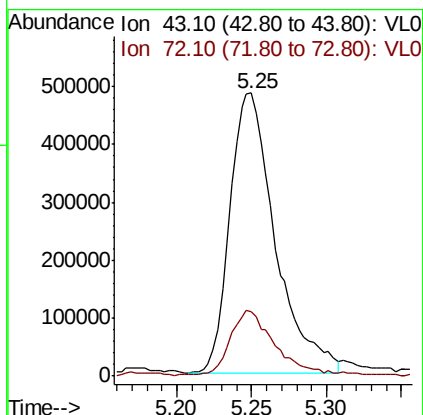
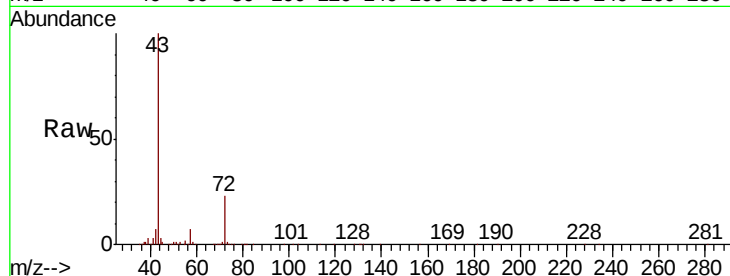




#34
2-Butanone
Concen: 6.152 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.02 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

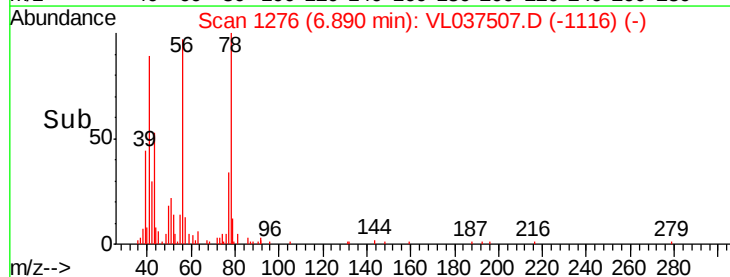
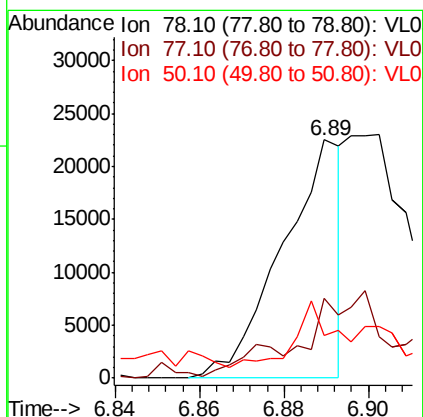
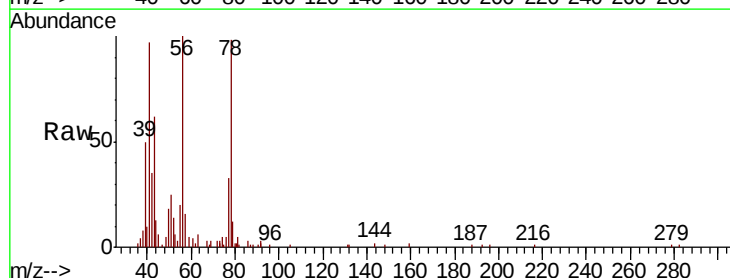
Instrument :
MSVOA_L
ClientSampleId :

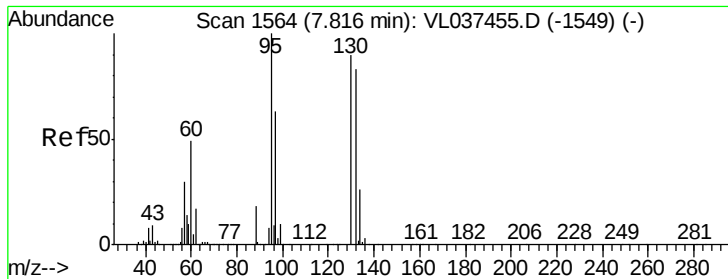
Tot Ion: 43 Resp: 1023815
Ion Ratio Lower Upper
43 100
72 23.8 17.4 26.0



#36
Benzene
Concen: 0.064 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

Tgt Ion: 78 Resp: 21976
Ion Ratio Lower Upper
78 100
77 31.3 18.2 27.4#
50 6.7 14.6 21.8#

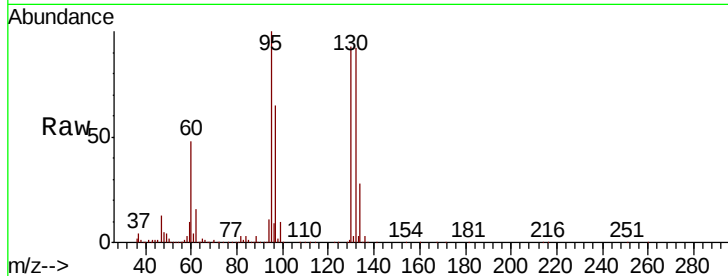




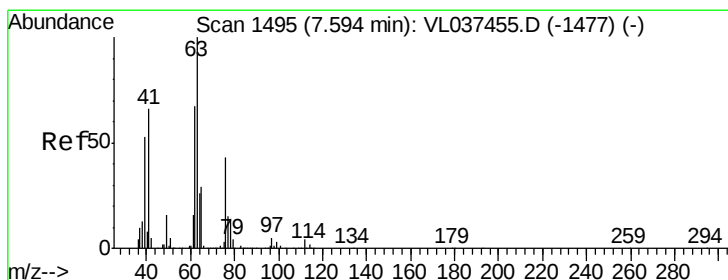
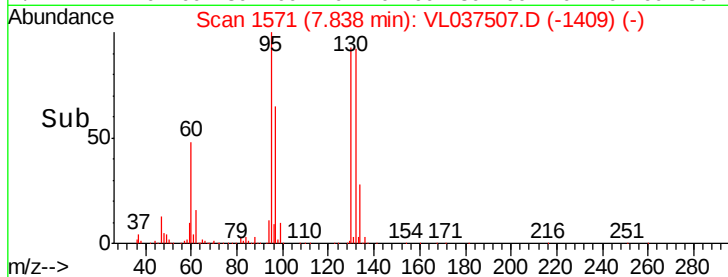
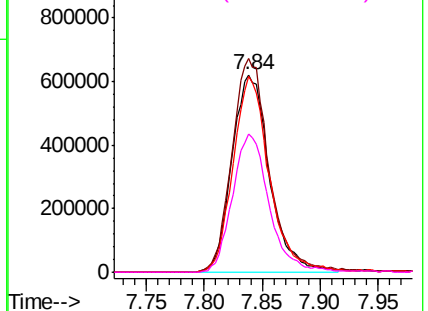
#38
 Trichloroethene
 Concen: 9.908 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:130 Resp: 1392791
 Ion Ratio Lower Upper
 130 100
 95 108.1 89.2 133.8
 132 99.0 74.0 111.0
 97 69.8 56.6 84.8

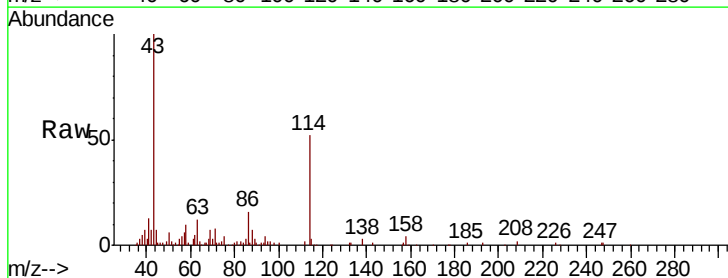


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

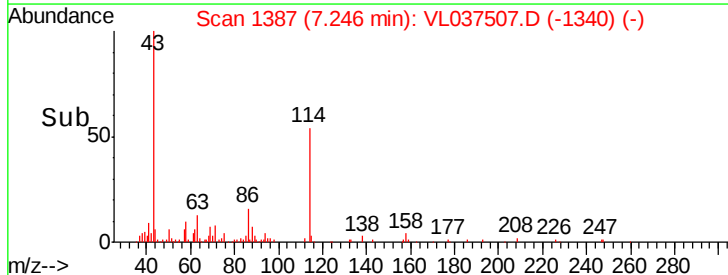
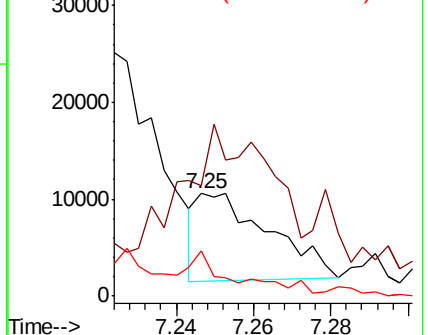


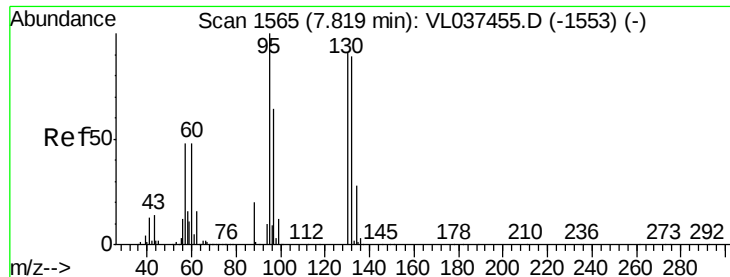
#39
 1,2-Dichloropropane
 Concen: 0.088 ppbv
 RT: 7.25 min Scan# 1387
 Delta R.T. -0.35 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Tgt Ion: 63 Resp: 11624
 Ion Ratio Lower Upper
 63 100
 41 56.4 52.4 78.6
 62 42.0 53.6 80.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

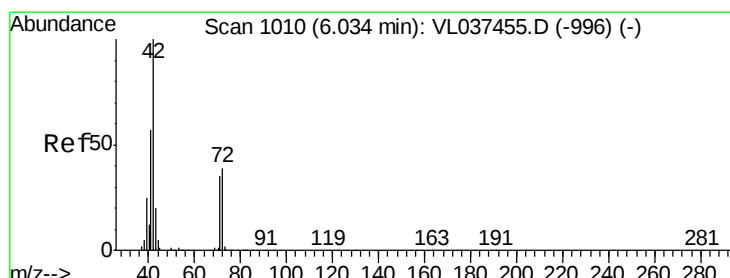
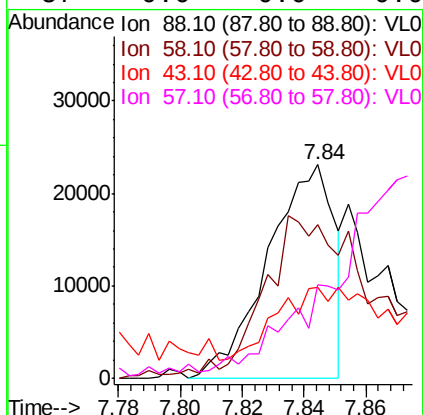
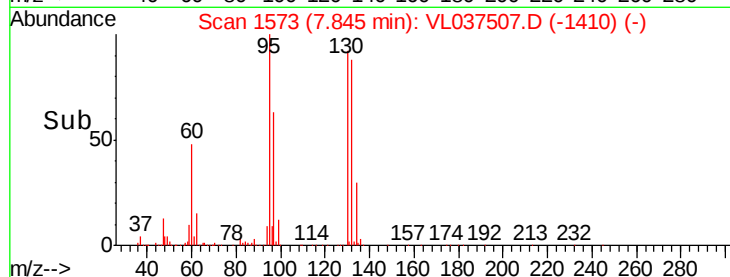
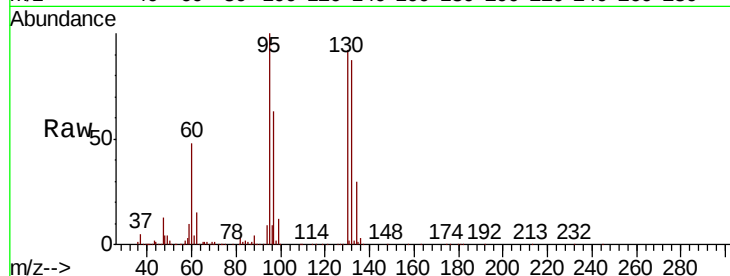




#40
1,4-Dioxane
Concen: 1.065 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.03 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

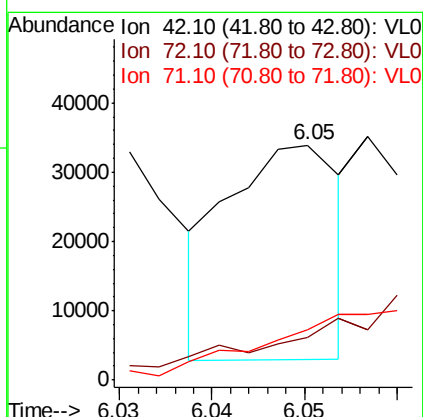
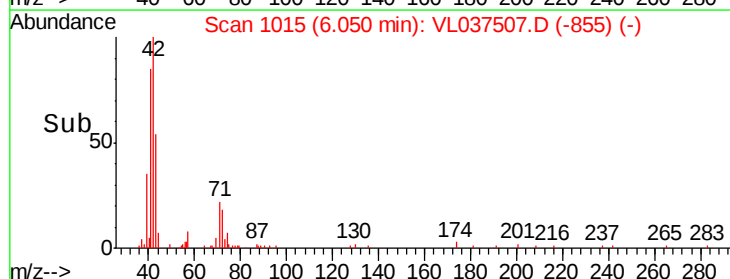
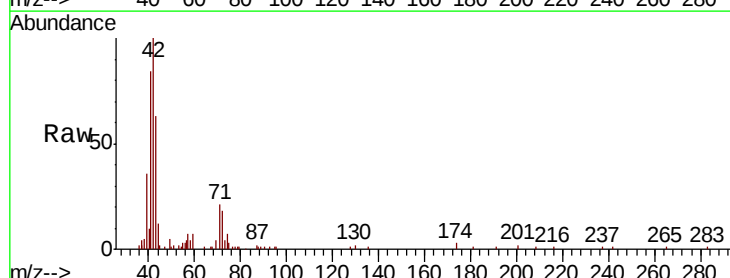
Instrument :
MSVOA_L
ClientSampleId :

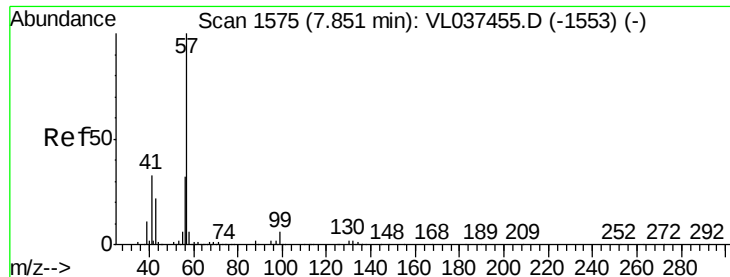
Tot Ion:	88	Resp:	34336
Ion	Ratio	Lower	Upper
88	100		
58	141.4	0.0	0.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



#41
Tetrahydrofuran
Concen: 0.327 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

Tgt Ion:	42	Resp:	26184
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.2	48.4#
71	0.0	30.5	45.7#

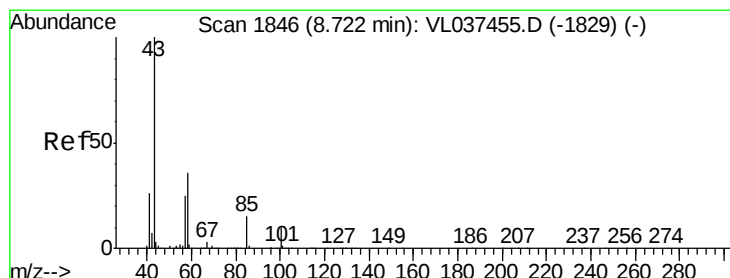
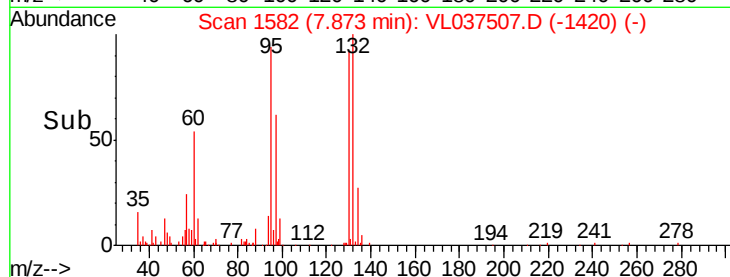
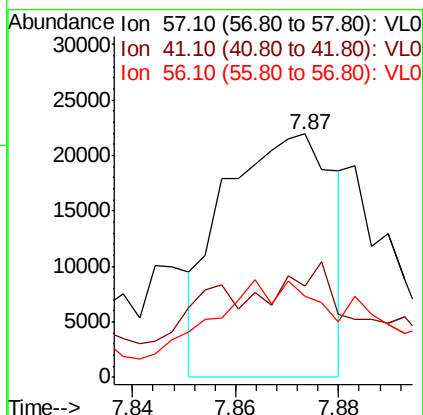
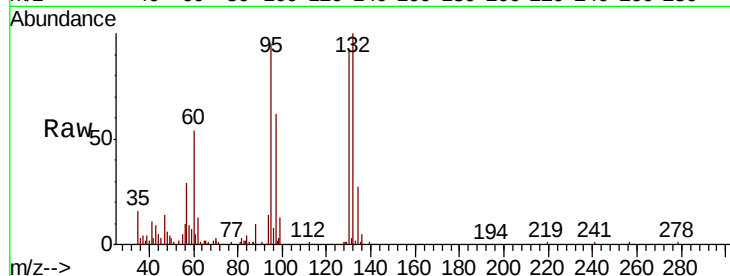




#44
 2,2,4-Trimethylpentane
 Concen: 0.056 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.02 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

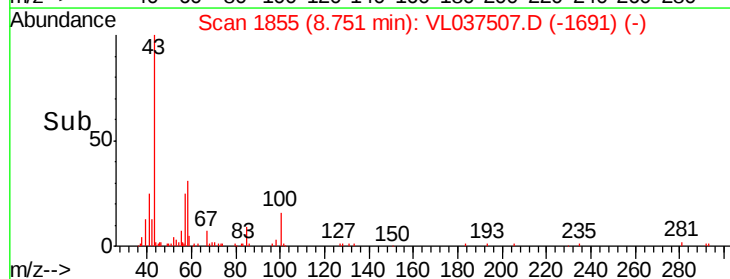
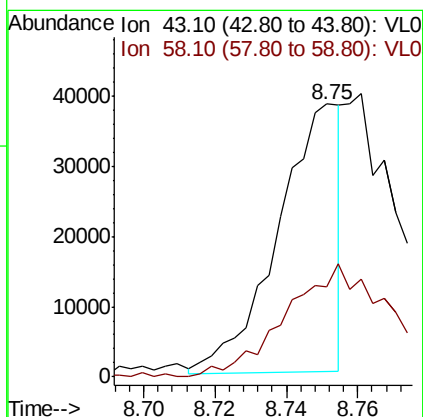
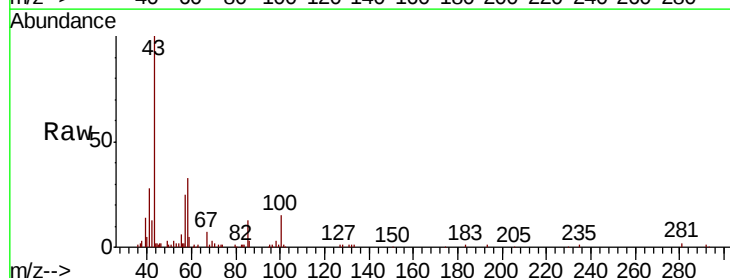
Instrument :
 MSVOA_L
 ClientSampleId :

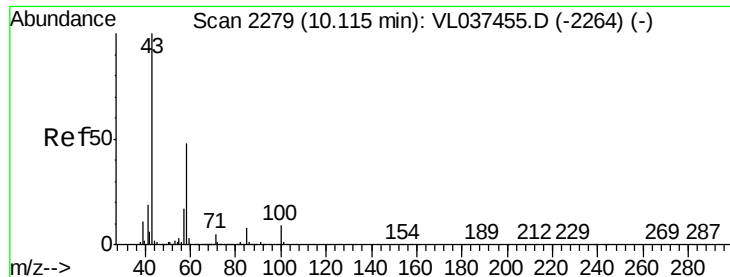
Tot Ion: 57 Resp: 32250
 Ion Ratio Lower Upper
 57 100
 41 60.7 26.2 39.4#
 56 65.5 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.214 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.03 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Tgt Ion: 43 Resp: 46382
 Ion Ratio Lower Upper
 43 100
 58 84.4 29.9 44.9#

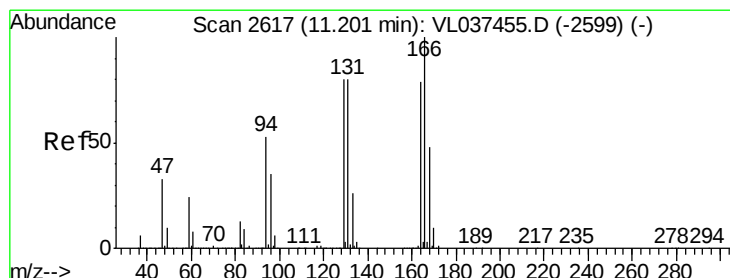
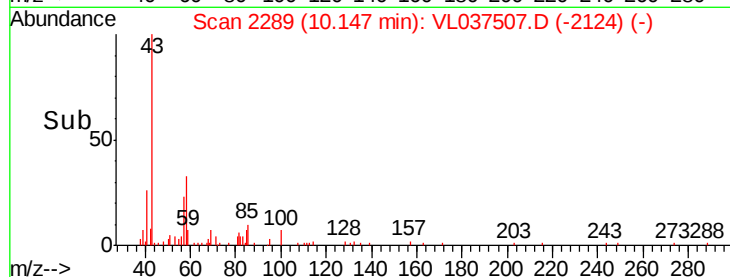
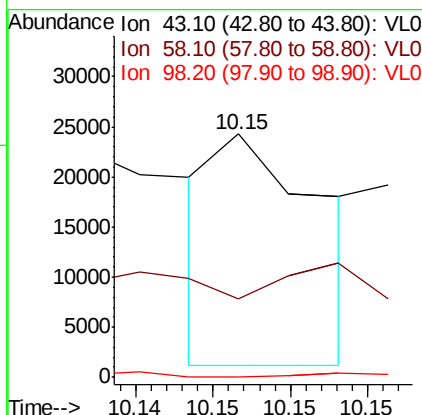
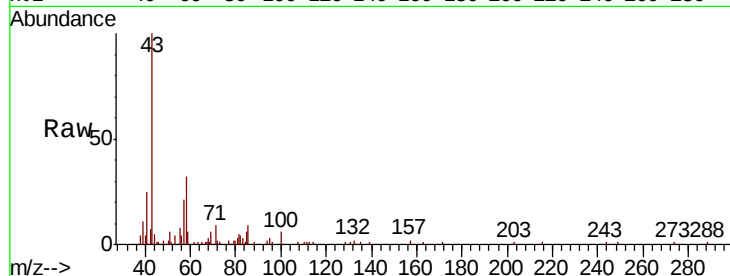




#51
2-Hexanone
Concen: 0.110 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.03 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

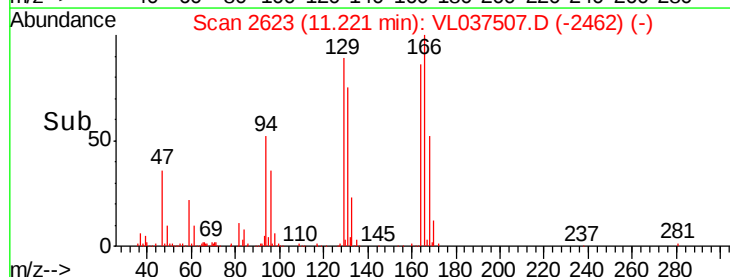
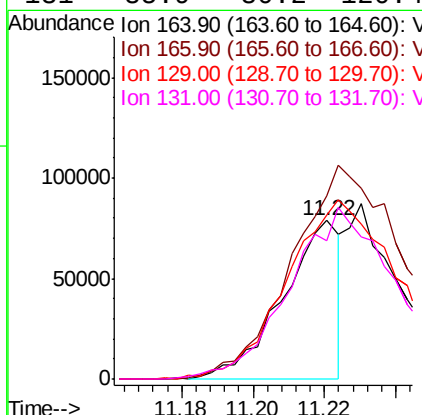
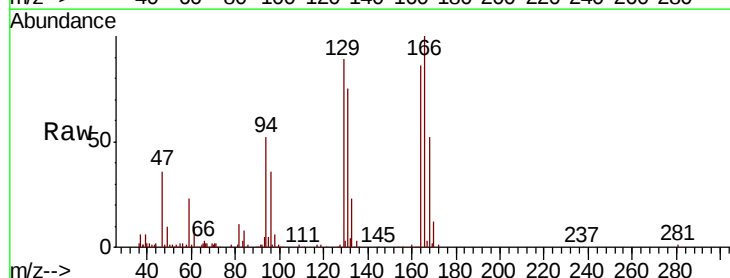
Instrument :
MSVOA_L
ClientSampleId :

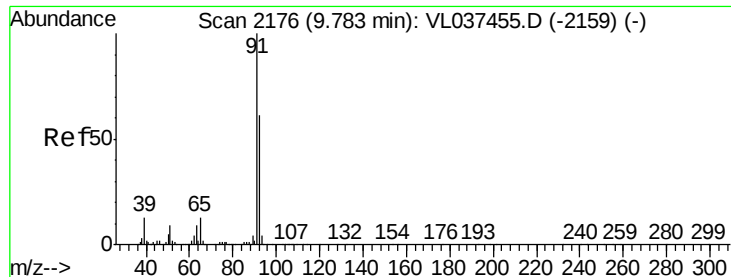
Tot Ion: 43 Resp: 11027
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.6#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.617 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL037507.D
Acq: 19 Aug 2021 20:33

Tgt Ion: 164 Resp: 86573
Ion Ratio Lower Upper
164 100
166 115.6 100.7 151.1
129 101.5 80.9 121.3
131 85.9 80.2 120.4





#53

Toluene

Concen: 0.426 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

Instrument :

MSVOA_L

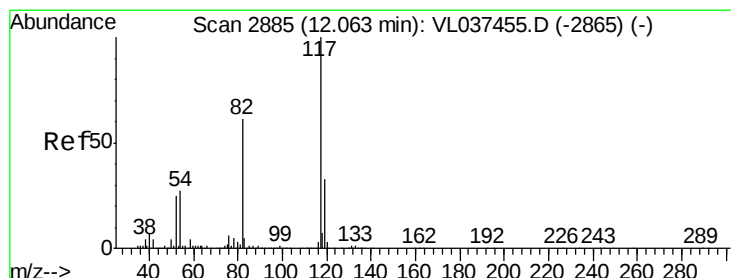
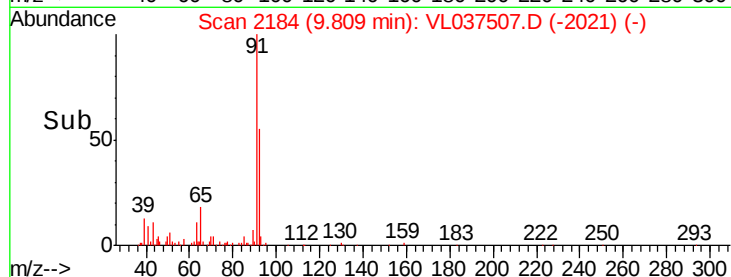
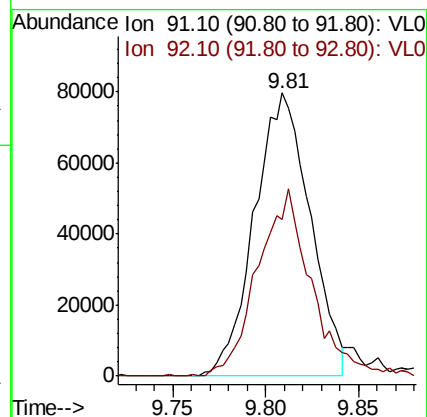
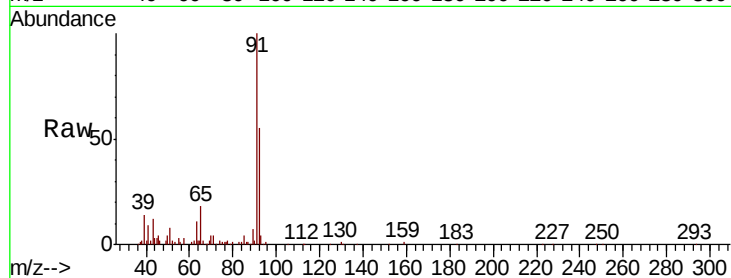
ClientSampleId :

Tot Ion: 91 Resp: 166838

Ion Ratio Lower Upper

91 100

92 64.7 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.03 min

Lab File: VL037507.D

Acq: 19 Aug 2021 20:33

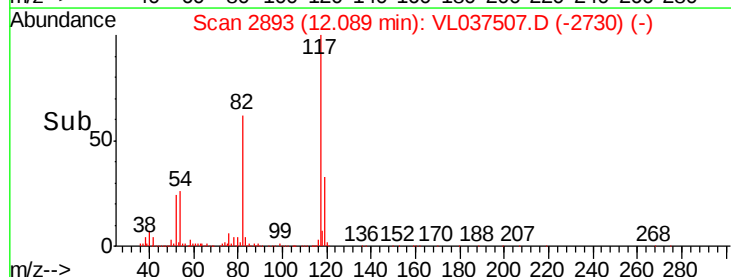
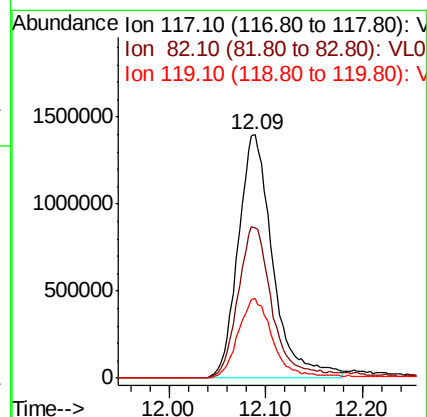
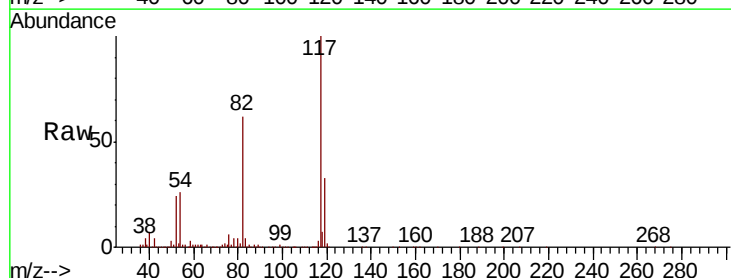
Tgt Ion: 117 Resp: 3486874

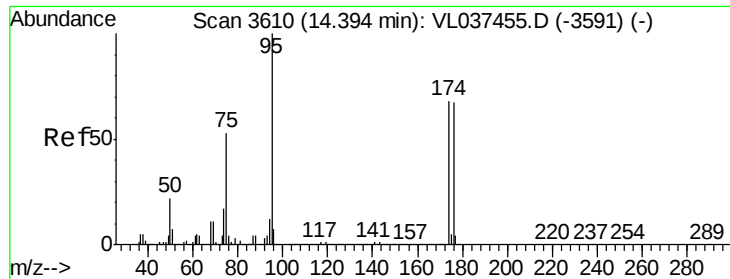
Ion Ratio Lower Upper

117 100

82 65.2 52.9 79.3

119 34.3 24.8 37.2

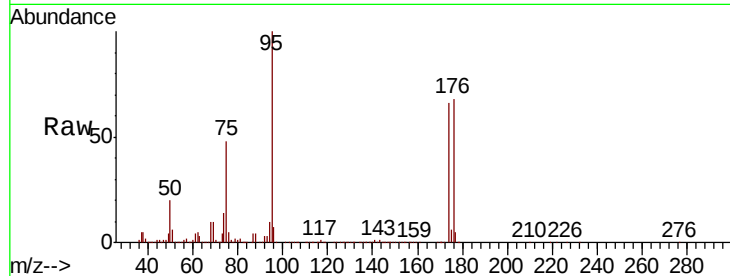




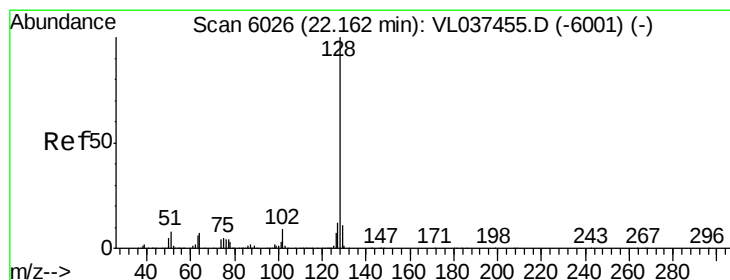
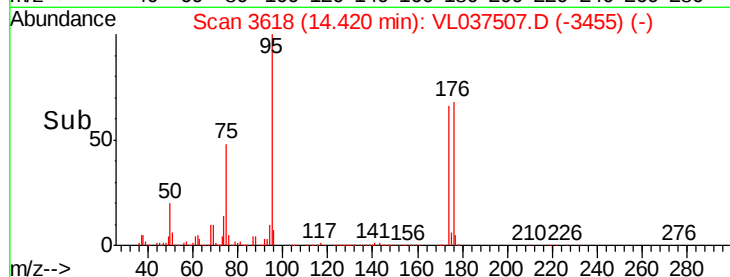
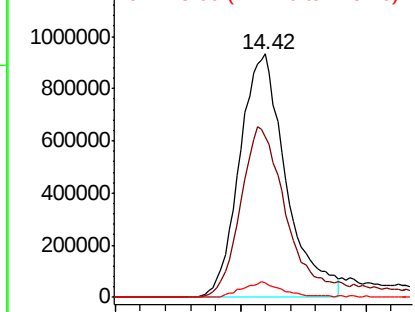
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.679 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.03 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2397675
 Ion Ratio Lower Upper
 95 100
 174 77.3 59.6 89.4
 175 5.7 4.6 7.0

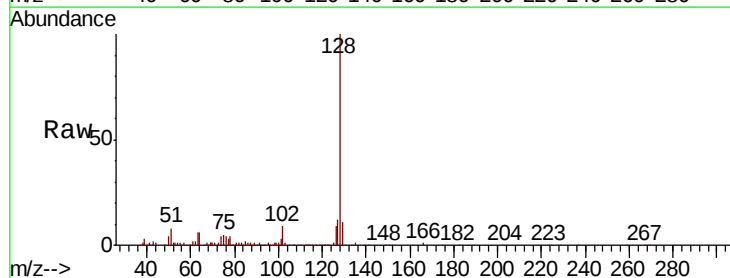


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

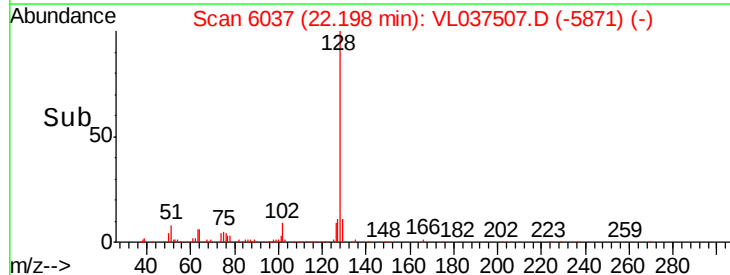
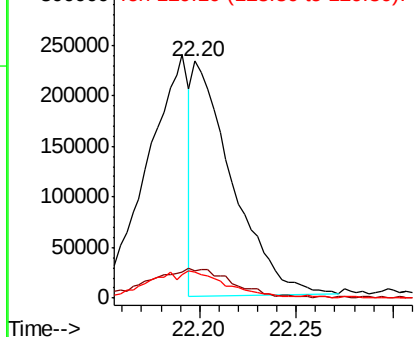


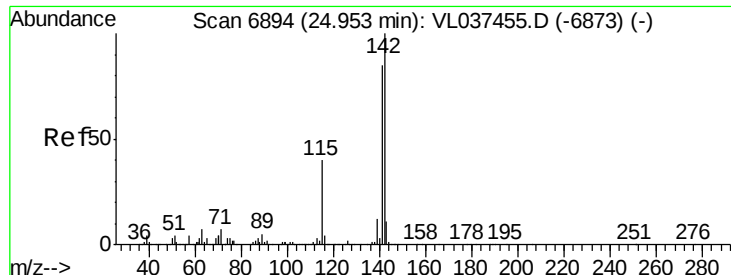
#79
 Naphthalene
 Concen: 1.070 ppbv
 RT: 22.20 min Scan# 6037
 Delta R.T. 0.04 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Tgt Ion: 128 Resp: 329876
 Ion Ratio Lower Upper
 128 100
 127 11.1 9.4 14.2
 129 10.9 8.8 13.2



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

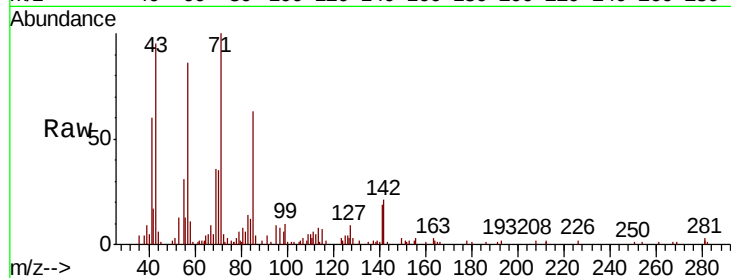




#80
 Naphthalene, 2-methyl-
 Concen: 0.115 ppbv
 RT: 24.97 min Scan# 6900
 Delta R.T. 0.02 min
 Lab File: VL037507.D
 Acq: 19 Aug 2021 20:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	111.0	64.7	97.1#
115	40.4	28.4	42.6



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

