

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037499.D
 Acq On : 19 Aug 2021 15:15
 Operator : SY/AP
 Sample : M3480-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 00:20:06 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	1452750	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4183905	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3542449	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2635428	10.47	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	49628	0.213 ppbv	91
3) Chlorodifluoromethane	2.97	51	1662511	5.976 ppbv #	74
4) Chloromethane	3.14	50	10543	0.106 ppbv #	74
7) Chloroethane	3.57	64	2780	0.080 ppbv	91
9) Propene	3.02	41	205903	2.069 ppbv	87
10) Heptane	8.13	43	16090	0.070 ppbv #	1
11) Trichlorofluoromethane	3.96	101	31663	0.145 ppbv	89
13) Ethanol	3.61	45	3874167	399.998 ppbv	96
15) Acetone	3.85	43	4714828	31.889 ppbv	97
16) 1,3-Butadiene	3.31	39	116419	1.228 ppbv #	14
17) tert-Butyl alcohol	4.30	59	177702	1.316 ppbv	95
19) Isopropyl Alcohol	3.97	45	769466	9.084 ppbv #	1
20) Methylene Chloride	4.35	84	7958790	107.516 ppbv	93
21) Allyl Chloride	4.39	41	8082	0.067 ppbv #	23
23) Vinyl Acetate	5.07	43	28276	0.130 ppbv #	54
25) Ethyl Acetate	5.69	43	3807454	10.144 ppbv #	77
26) Hexane	5.69	57	5133259	27.972 ppbv #	46
27) Carbon Disulfide	4.55	76	16217	0.099 ppbv #	55
29) Chloroform	5.76	83	67382	0.259 ppbv	91
30) Cyclohexane	7.14	84	19450	0.127 ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	42675	0.257 ppbv #	84
34) 2-Butanone	5.25	43	345118	2.020 ppbv #	68
35) Carbon Tetrachloride	7.02	117	13091	0.053 ppbv #	63
36) Benzene	6.89	78	1059767	3.013 ppbv	99
38) Trichloroethene	7.83	130	367469	2.546 ppbv	93
39) 1,2-Dichloropropane	7.18	63	993613	7.352 ppbv #	26
40) 1,4-Dioxane	7.84	88	17506	0.529 ppbv #	100
41) Tetrahydrofuran	5.69	42	1912706	23.240 ppbv #	49
44) 2,2,4-Trimethylpentane	7.88	57	37401	0.063 ppbv #	42
50) 4-Methyl-2-Pentanone	8.75	43	8818	0.040 ppbv #	1
51) 2-Hexanone	10.14	43	41800	0.408 ppbv #	98
52) Tetrachloroethene	11.23	164	28807	0.200 ppbv	84
53) Toluene	9.81	91	392982	0.979 ppbv	100
59) m/p-Xylene	12.97	91	61951	0.145 ppbv #	46
60) o-Xylene	13.70	91	23423	0.059 ppbv #	1
61) Styrene	13.53	104	108467	0.525 ppbv	96
62) Isopropylbenzene	14.67	105	896815	1.598 ppbv	100
64) n-propylbenzene	15.56	120	5711	0.040 ppbv #	1
65) tert-Butylbenzene	16.75	119	34374	0.067 ppbv #	45
66) Benzyl Chloride	17.00	91	1289	0.056 ppbv #	63
70) n-Butylbenzene	18.57	91	22190	0.040 ppbv #	1

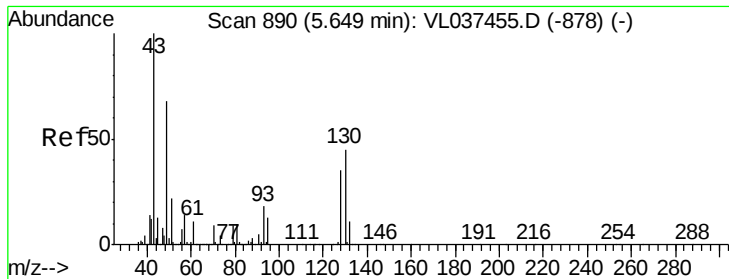
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037499.D
Acq On : 19 Aug 2021 15:15
Operator : SY/AP
Sample : M3480-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 20 00:20:06 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)
72) 4-Ethyltoluene	15.84	105	18333	0.039	ppbv #	61
73) 1,3,5-Trimethylbenzene	16.01	105	48007	0.109	ppbv #	77
74) 1,2,4-Trimethylbenzene	16.76	105	314479	0.672	ppbv #	68
79) Naphthalene	22.21	128	51520	0.165	ppbv	97
80) Naphthalene,2-methyl-	24.97	142	11702	0.134	ppbv #	79

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

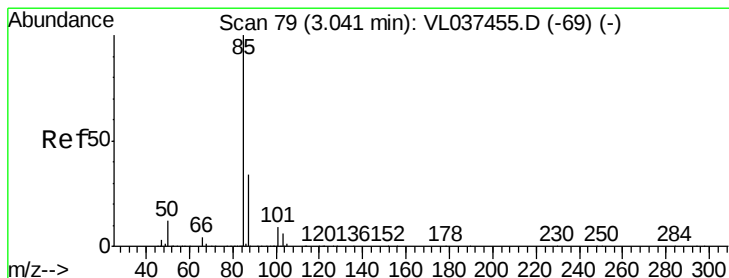
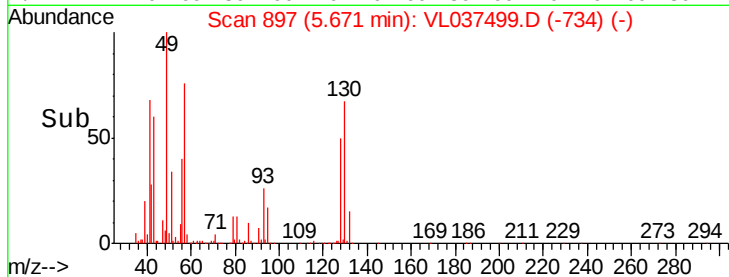
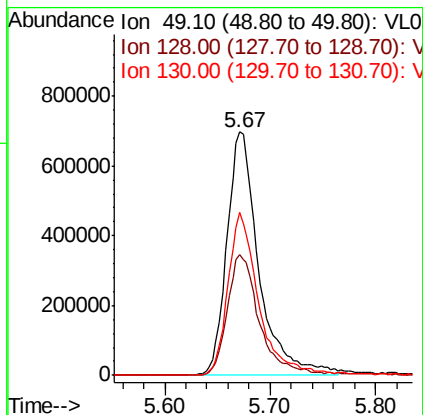
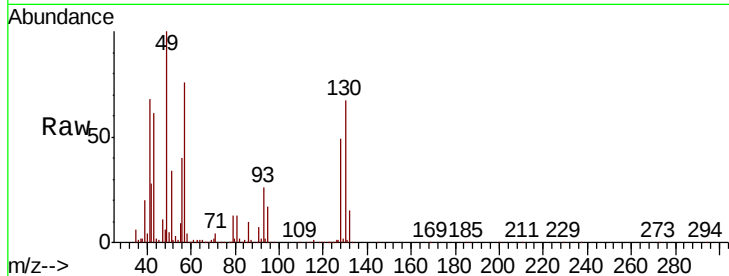


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.02 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

Instrument :
 MSVOA_L
 ClientSampleId :

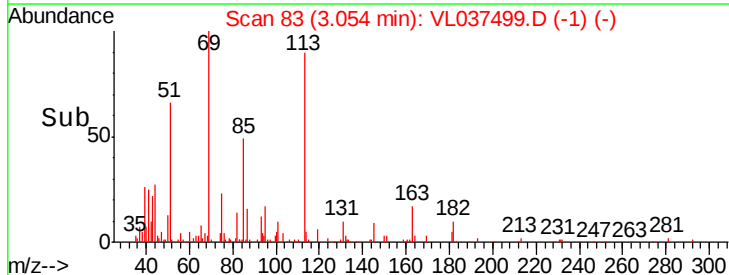
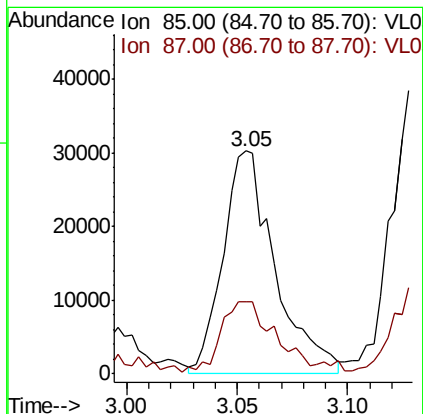
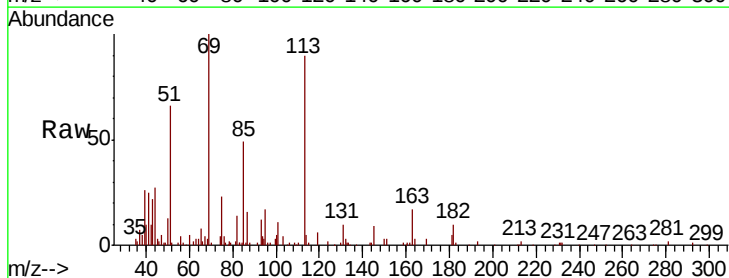
Tot Ion: 49 Resp: 1452750
 Ion Ratio Lower Upper
 49 100
 128 51.7 27.5 82.4
 130 65.5 34.0 101.8

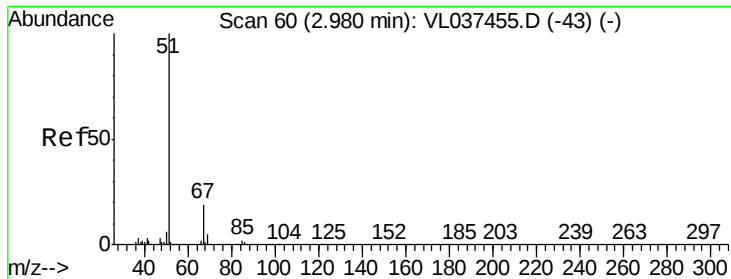


#2

Dichlorodifluoromethane
 Concen: 0.213 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T. 0.01 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

Tgt Ion: 85 Resp: 49628
 Ion Ratio Lower Upper
 85 100
 87 29.2 27.6 41.4

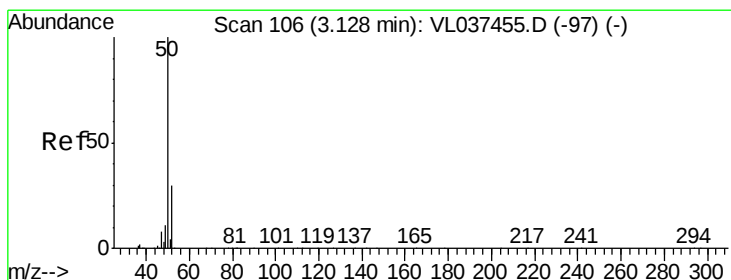
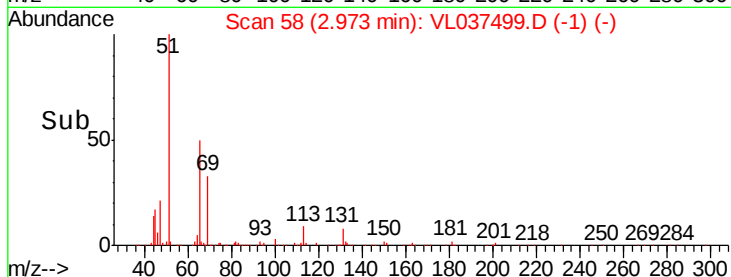
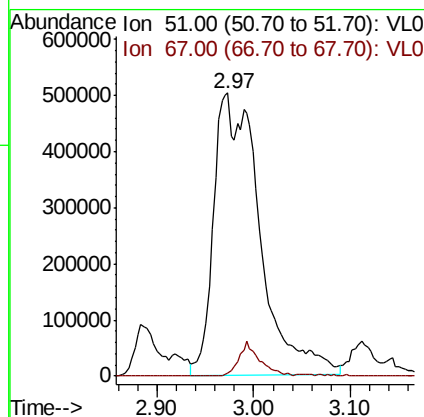
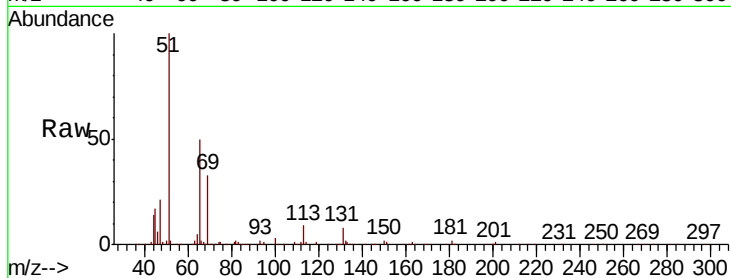




#3
Chlorodifluoromethane
Concen: 5.976 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

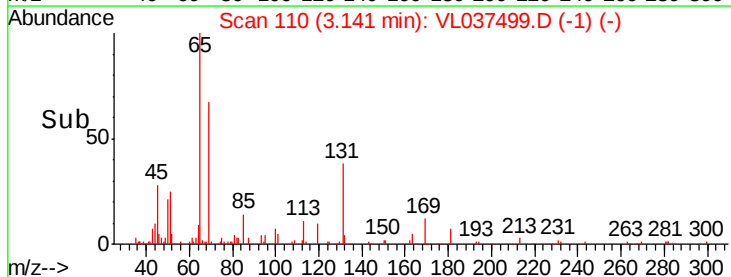
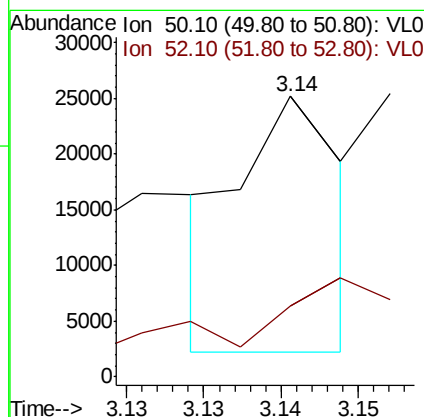
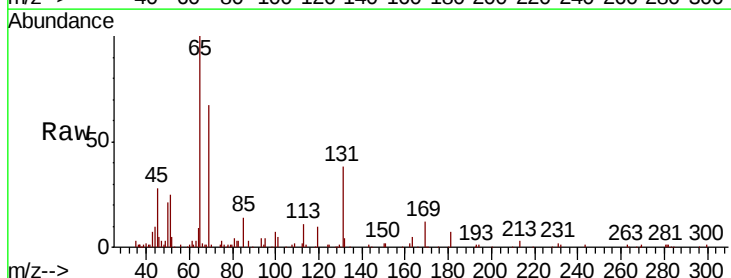
Instrument :
MSVOA_L
ClientSampled :

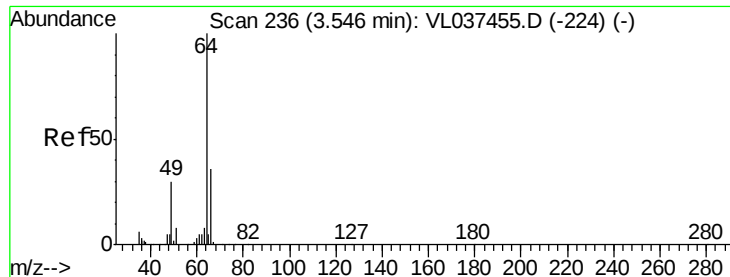
Tot Ion: 51 Resp: 1662511
Ion Ratio Lower Upper
51 100
67 6.2 14.2 21.2#



#4
Chloromethane
Concen: 0.106 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 50 Resp: 10543
Ion Ratio Lower Upper
50 100
52 16.1 24.0 36.0#





#7

Chloroethane

Concen: 0.080 ppbv

RT: 3.57 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

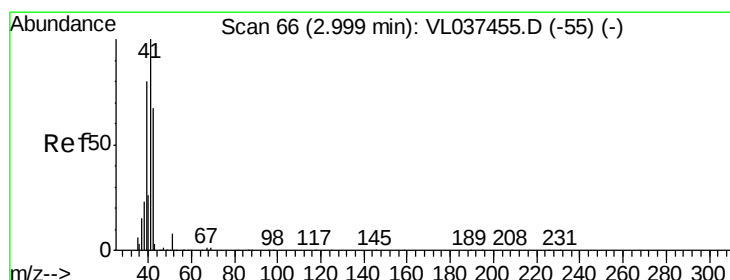
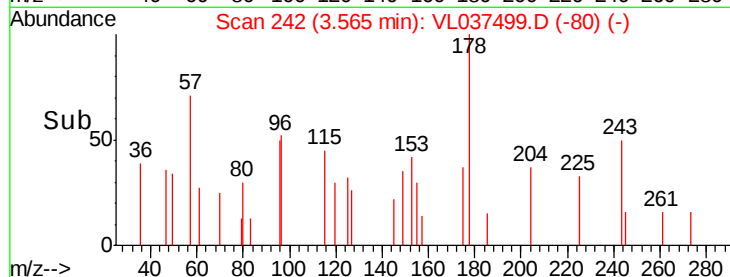
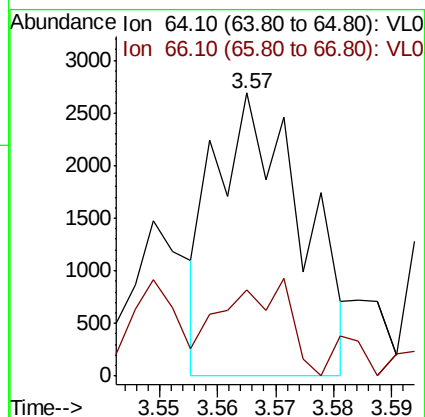
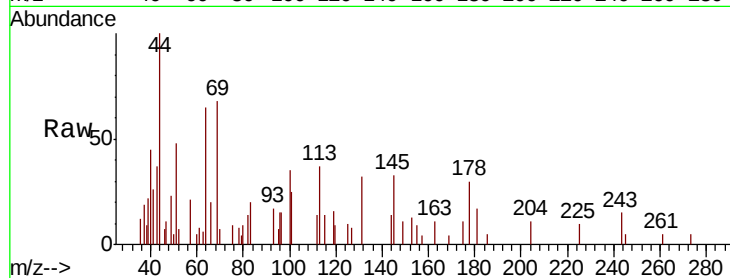
ClientSampleId :

Tot Ion: 64 Resp: 2780

Ion Ratio Lower Upper

64 100

66 30.6 28.6 43.0



#9

Propene

Concen: 2.069 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL037499.D

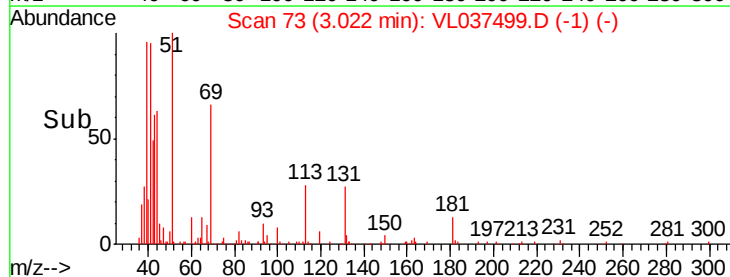
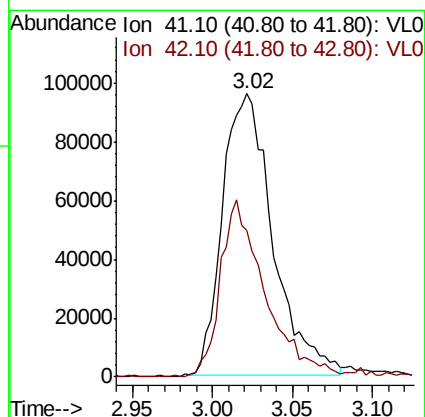
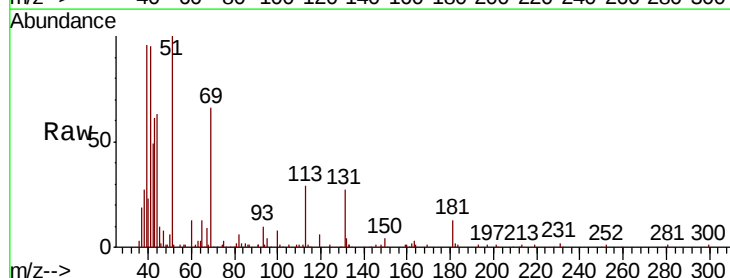
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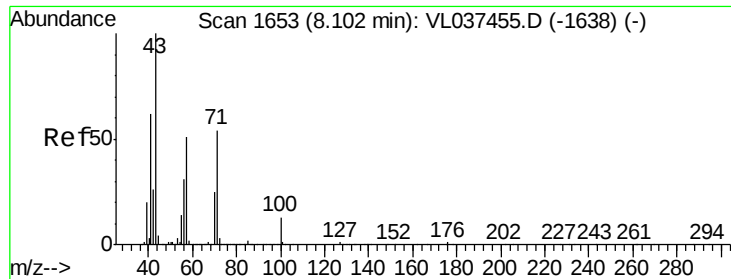
Tgt Ion: 41 Resp: 205903

Ion Ratio Lower Upper

41 100

42 56.4 53.7 80.5

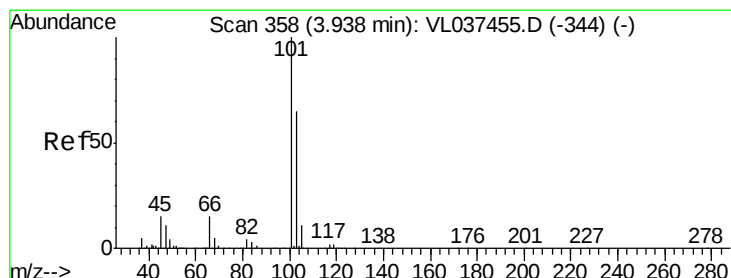
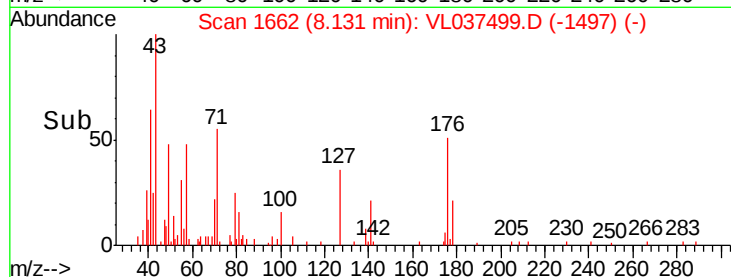
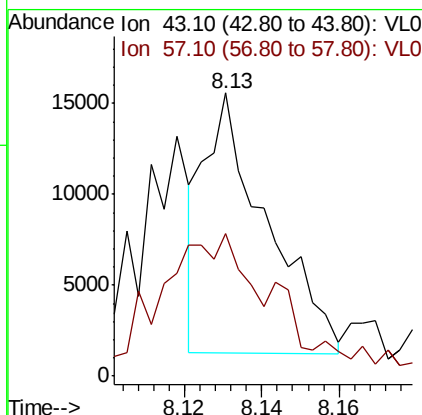
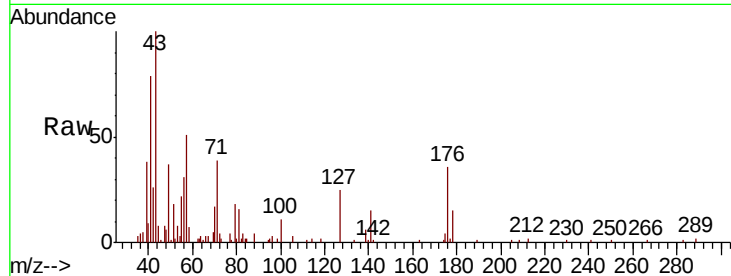




#10
 Heptane
 Concen: 0.070 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.03 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

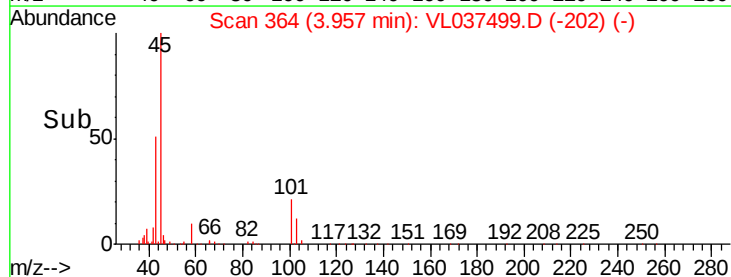
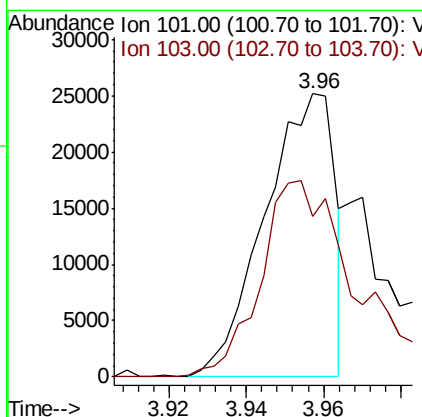
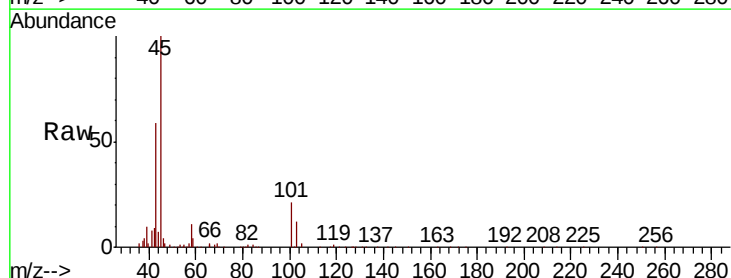
Instrument :
 MSVOA_L
 ClientSampled :

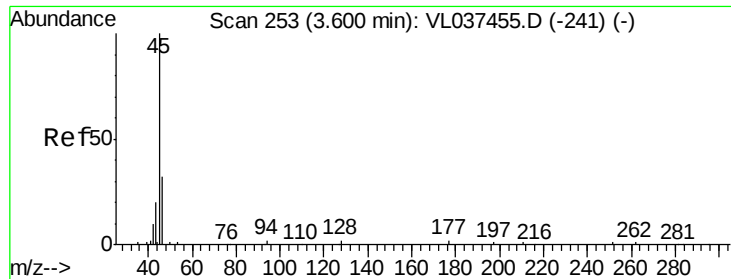
Tot Ion: 43 Resp: 16090
 Ion Ratio Lower Upper
 43 100
 57 121.5 41.0 61.6#



#11
 Trichlorofluoromethane
 Concen: 0.145 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

Tgt Ion: 101 Resp: 31663
 Ion Ratio Lower Upper
 101 100
 103 55.8 51.8 77.6

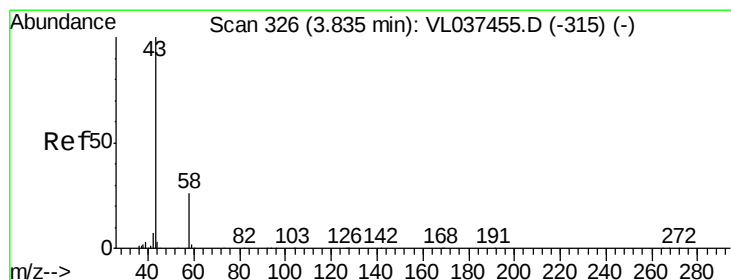
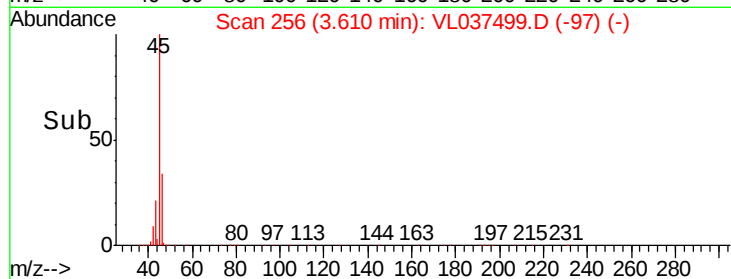
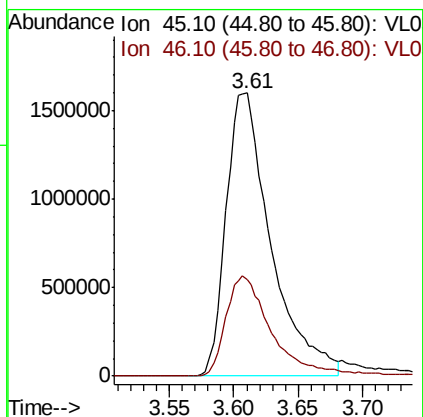
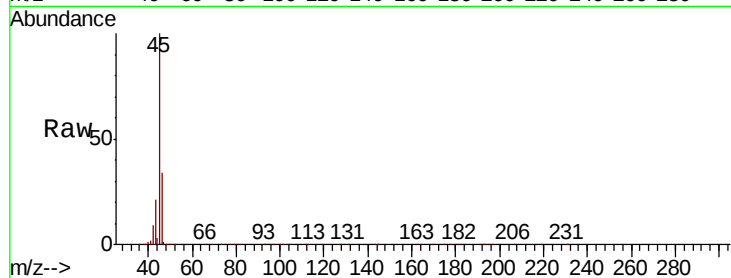




#13
Ethanol
Concen: 399.998 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

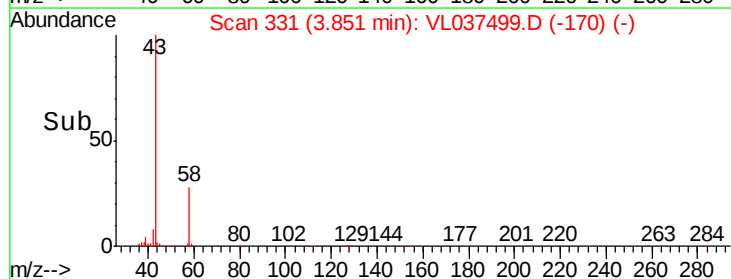
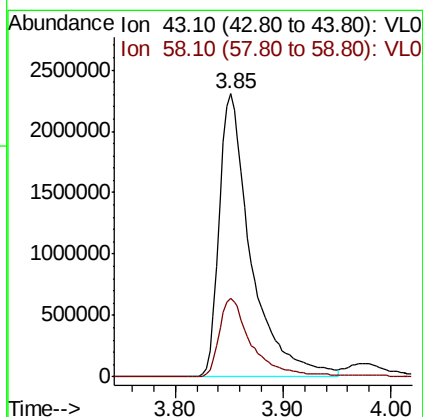
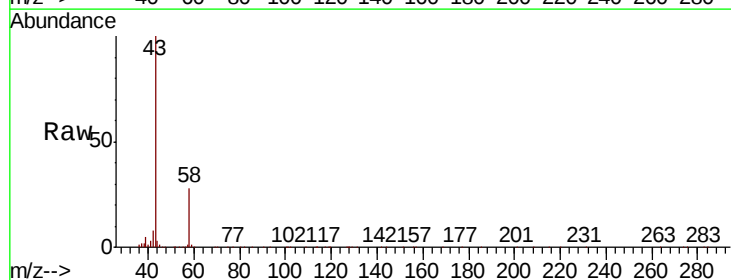
Instrument :
MSVOA_L
ClientSampleId :

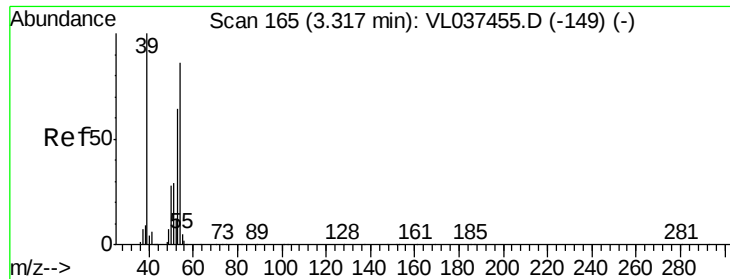
Tot Ion: 45 Resp: 3874167
Ion Ratio Lower Upper
45 100
46 37.5 14.1 56.5



#15
Acetone
Concen: 31.889 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 43 Resp: 4714828
Ion Ratio Lower Upper
43 100
58 29.5 24.8 37.2

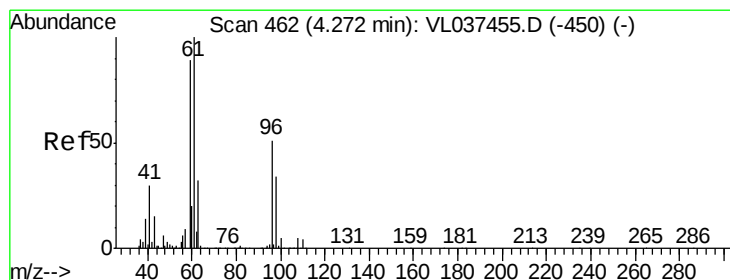
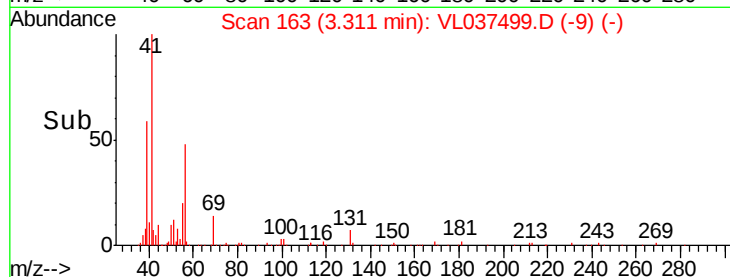
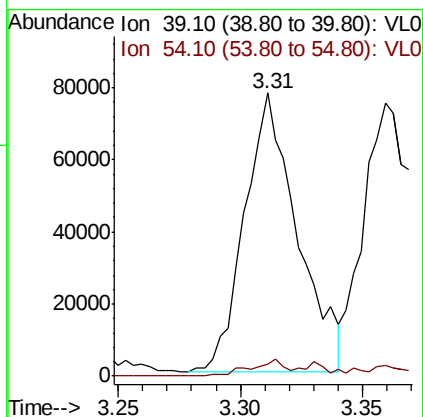
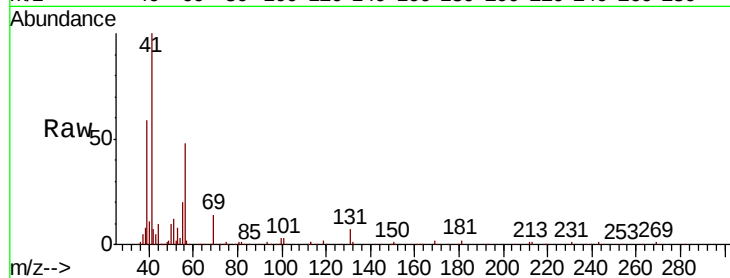




#16
1,3-Butadiene
Concen: 1.228 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

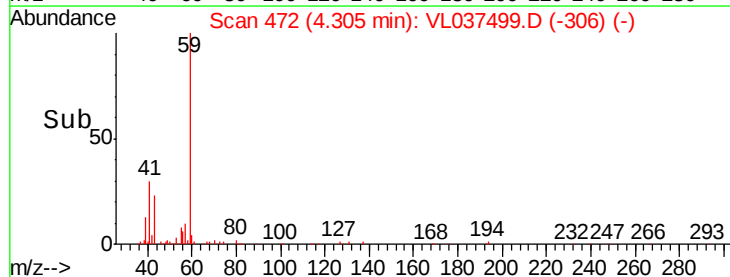
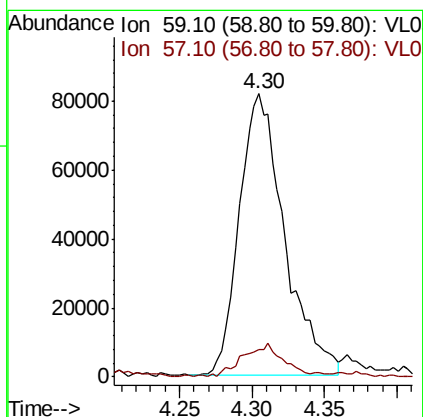
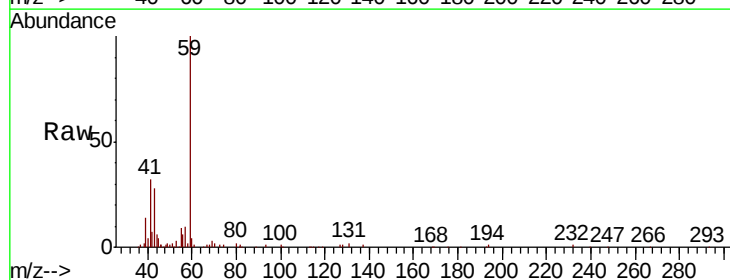
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MSVOA_L
ClientSampleId :

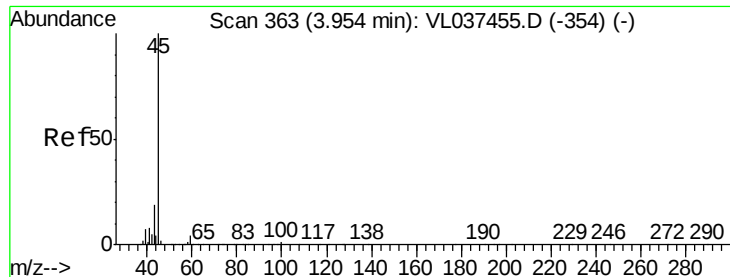
Tot Ion: 39 Resp: 116419
Ion Ratio Lower Upper
39 100
54 3.8 63.7 95.5#



#17
tert-Butyl alcohol
Concen: 1.316 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 59 Resp: 177702
Ion Ratio Lower Upper
59 100
57 12.4 8.3 12.5





#19

Isopropyl Alcohol

Concen: 9.084 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

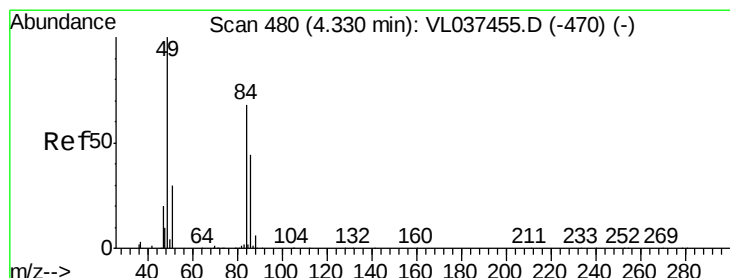
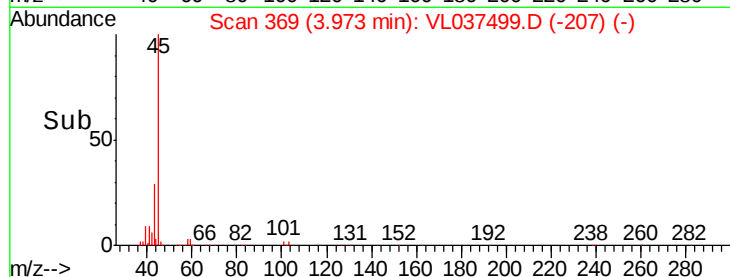
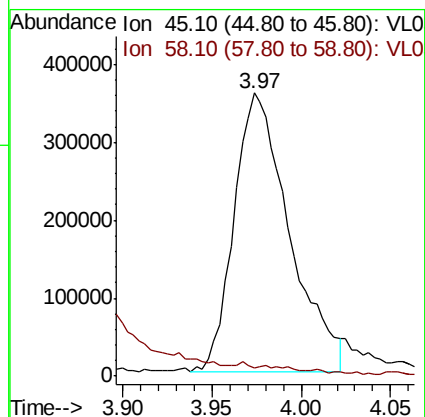
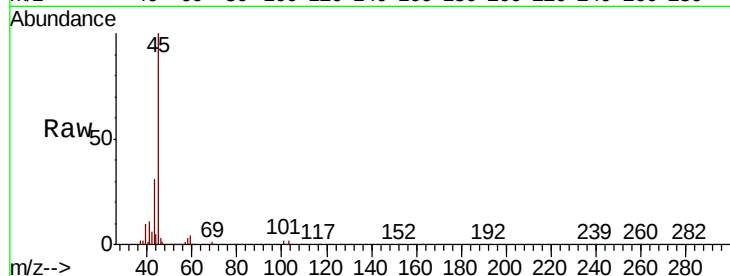
ClientSampleId :

Tot Ion: 45 Resp: 769466

Ion Ratio Lower Upper

45 100

58 180.7 1.4 2.2#



#20

Methylene Chloride

Concen: 107.516 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Tgt Ion: 84 Resp: 7958790

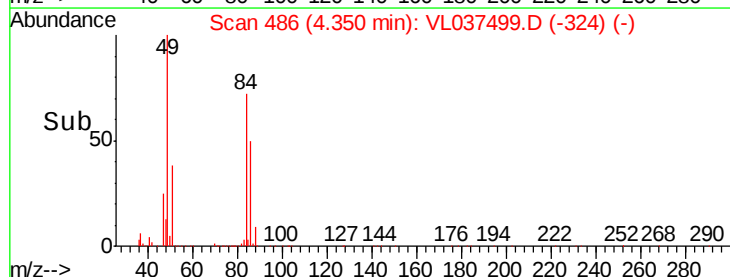
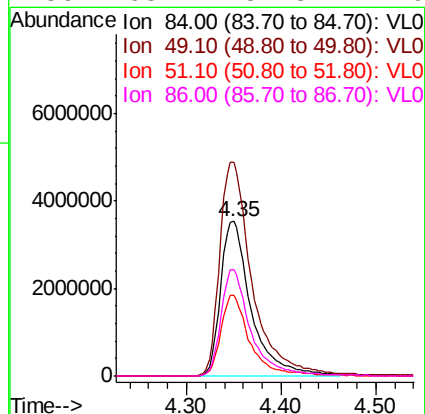
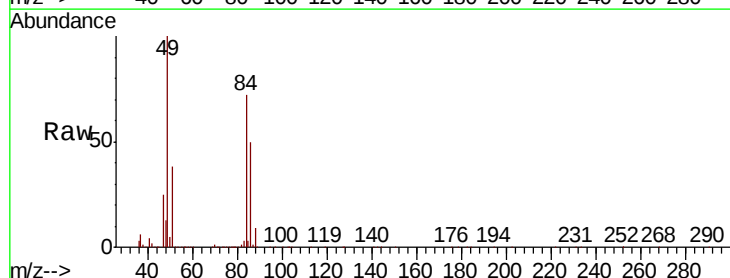
Ion Ratio Lower Upper

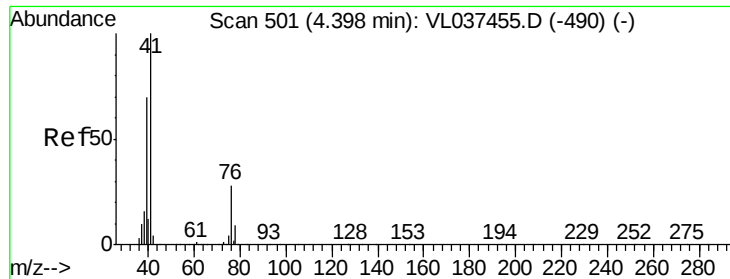
84 100

49 138.0 118.2 177.2

51 52.2 36.6 55.0

86 68.4 51.8 77.6

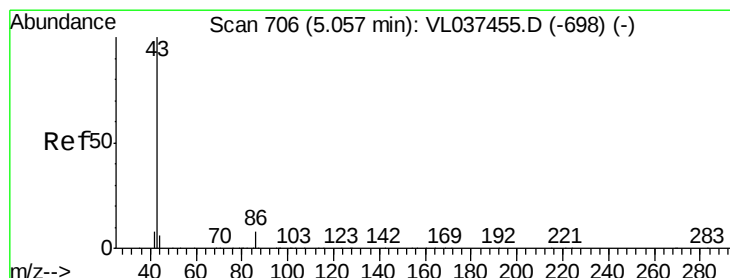
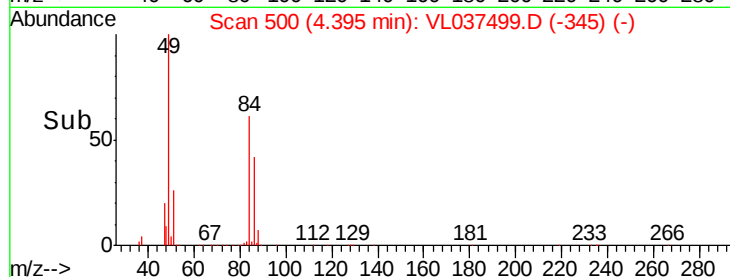
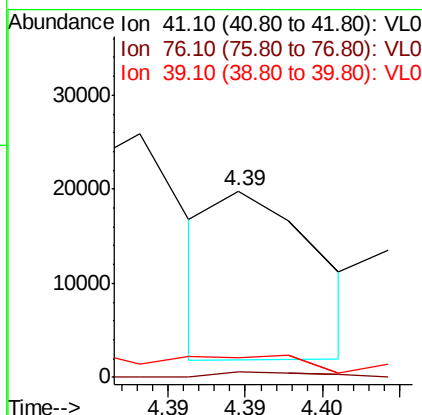
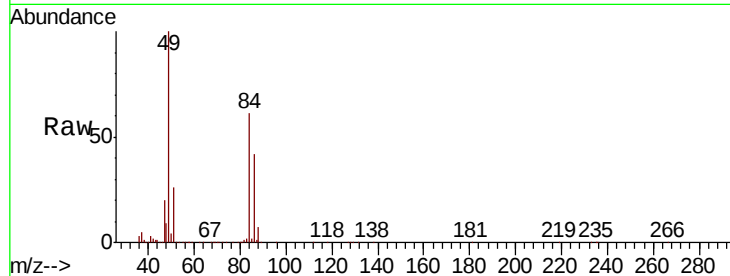




#21
Allvl Chloride
Concen: 0.067 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

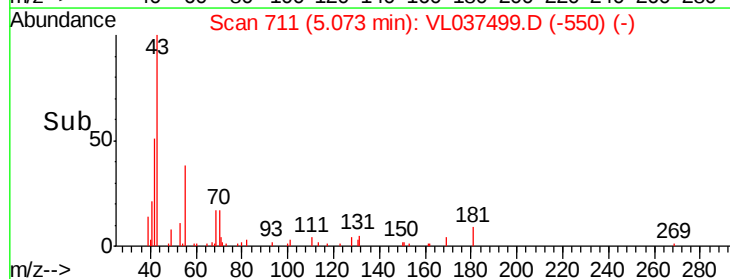
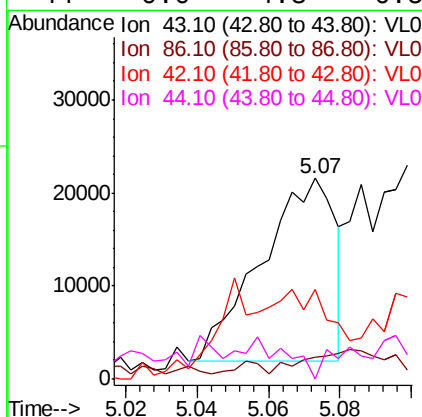
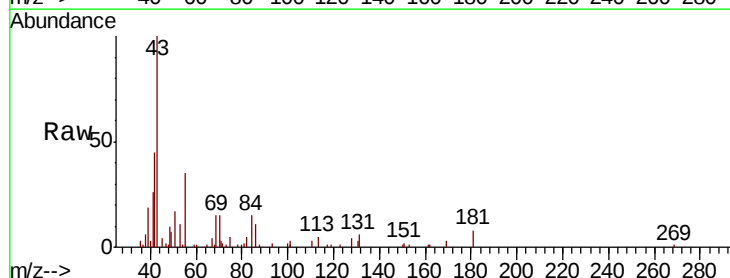
Instrument :
MSVOA_L
ClientSampleId :

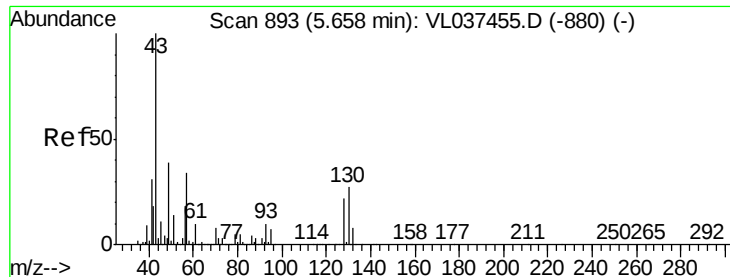
Tot Ion: 41 Resp: 8082
Ion Ratio Lower Upper
41 100
76 0.0 21.8 32.6#
39 0.0 56.8 85.2#



#23
Vinyl Acetate
Concen: 0.130 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.02 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 43 Resp: 28276
Ion Ratio Lower Upper
43 100
86 5.0 5.7 8.5#
42 43.4 7.4 11.2#
44 0.0 4.3 6.5#



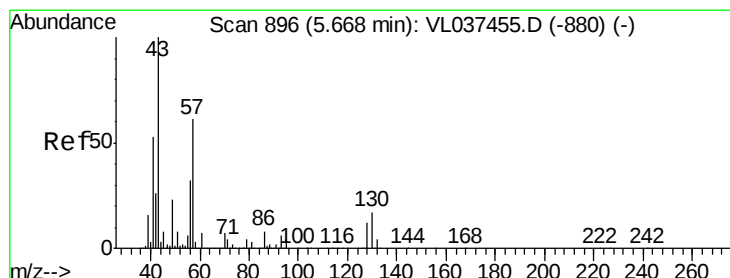
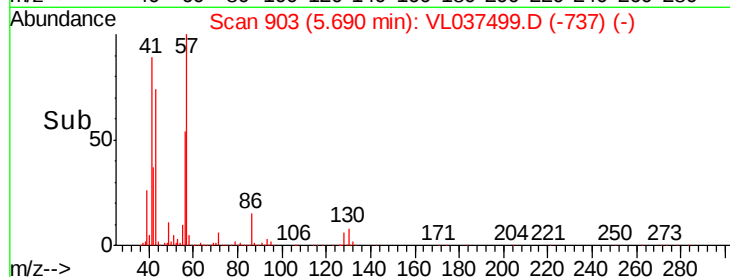
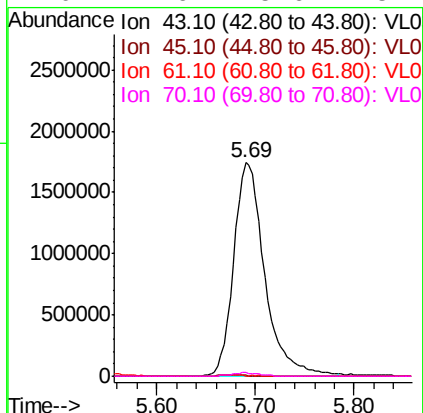
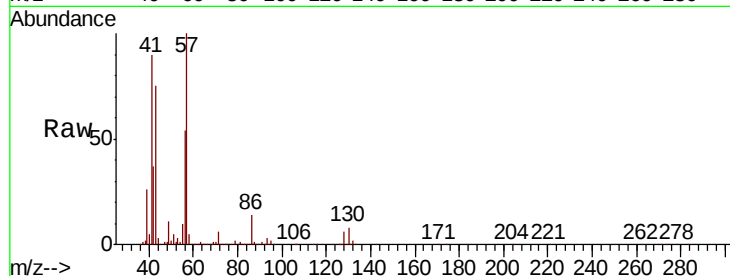


#25
Ethyl Acetate
Concen: 10.144 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3807454

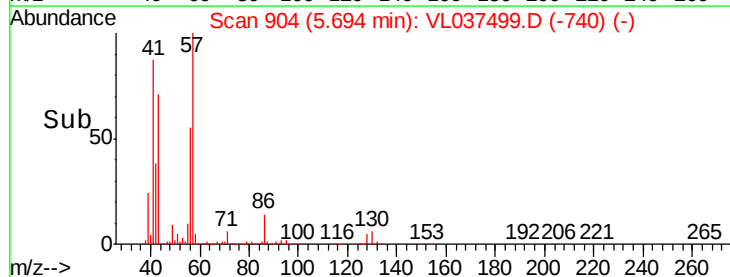
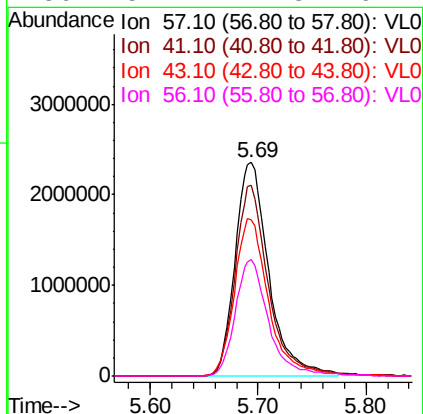
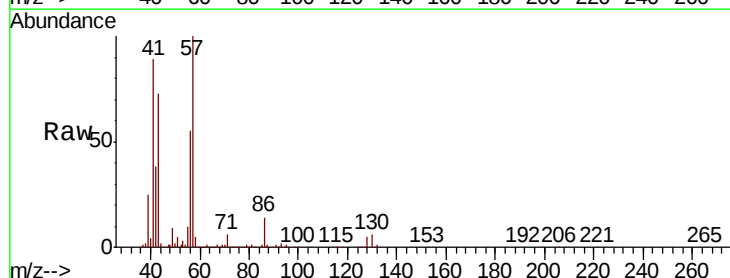
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.0	12.0#
61	0.7	8.0	12.0#
70	1.6	5.6	8.4#

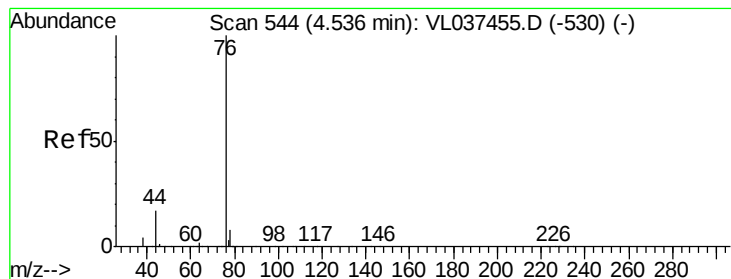


#26
Hexane
Concen: 27.972 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 57 Resp: 5133259

Ion	Ratio	Lower	Upper
57	100		
41	89.0	72.3	108.5
43	74.9	172.3	258.5#
56	54.1	42.8	64.2





#27

Carbon Disulfide

Concen: 0.099 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

ClientSampleId :

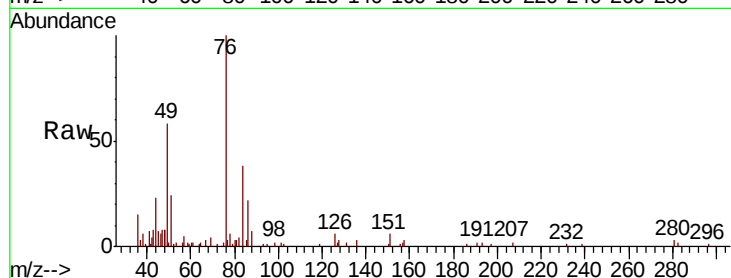
Tot Ion: 76 Resp: 16217

Ion Ratio Lower Upper

76 100

44 0.0 13.9 20.9#

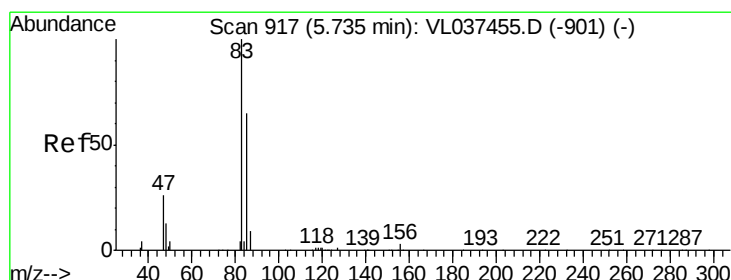
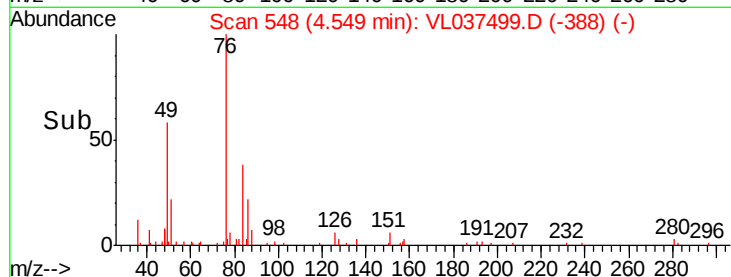
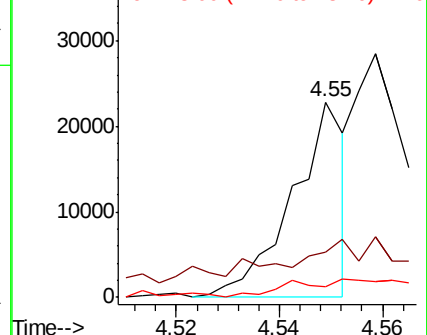
78 30.0 7.9 11.9#



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



#29

Chloroform

Concen: 0.259 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.03 min

Lab File: VL037499.D

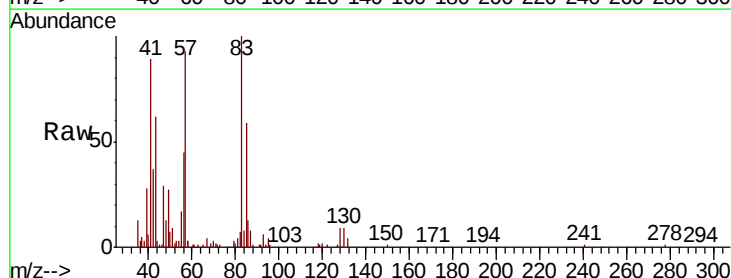
Acq: 19 Aug 2021 15:15

Tgt Ion: 83 Resp: 67382

Ion Ratio Lower Upper

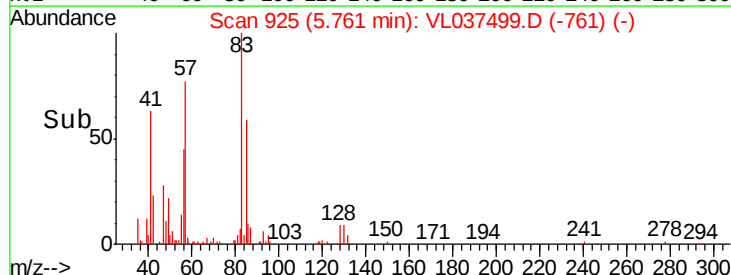
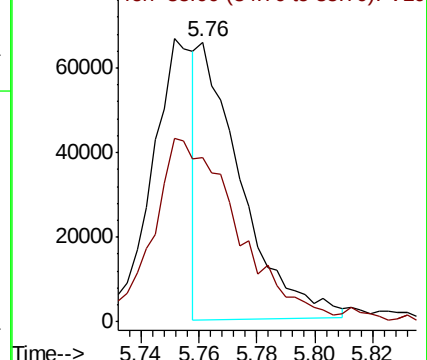
83 100

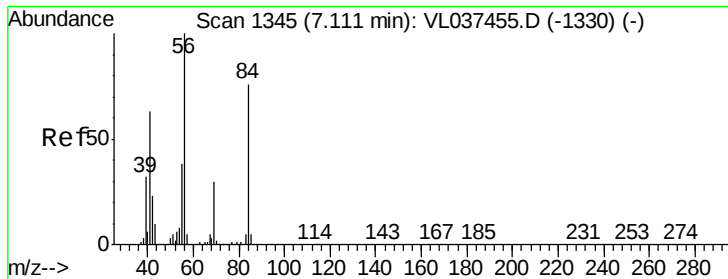
85 58.1 52.3 78.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

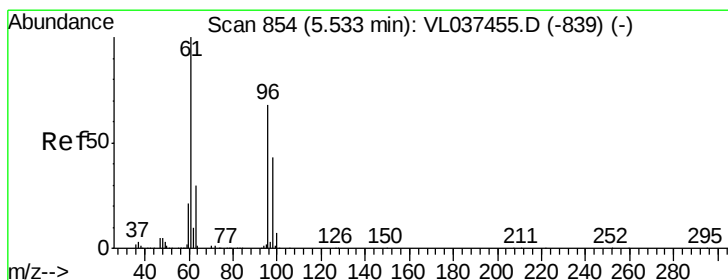
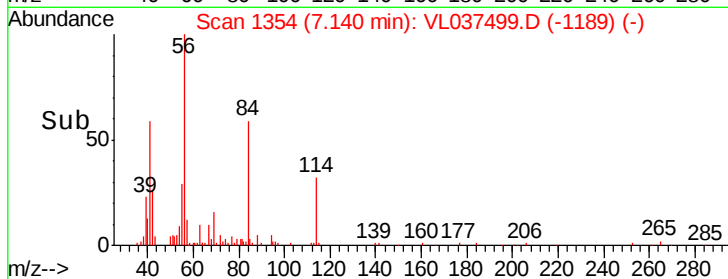
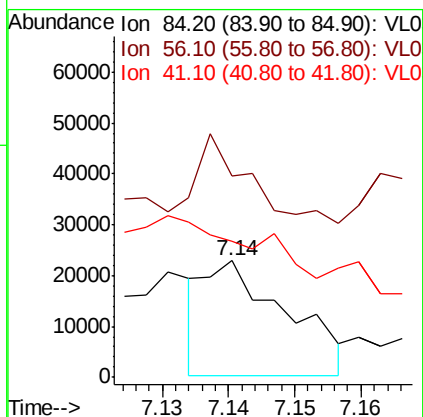
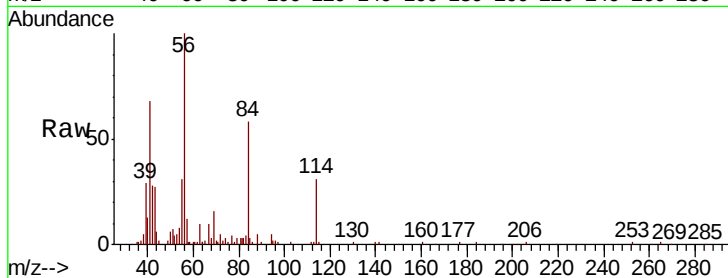




#30
Cvclohexane
Concen: 0.127 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

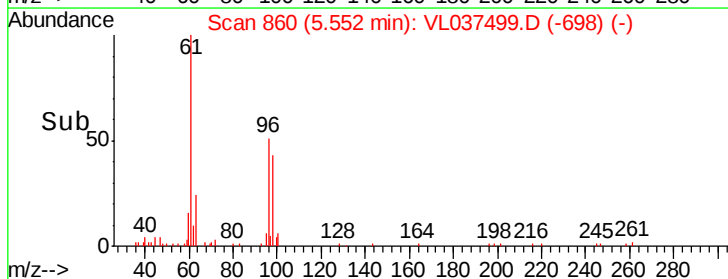
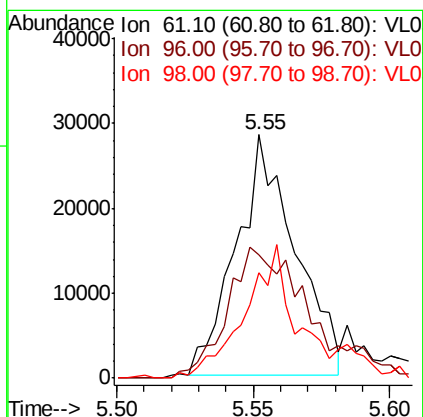
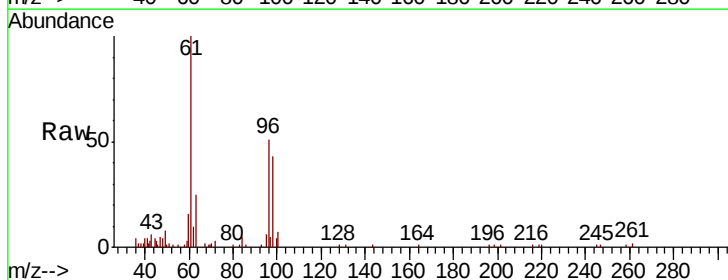
Instrument :
MSVOA_L
ClientSampleId :

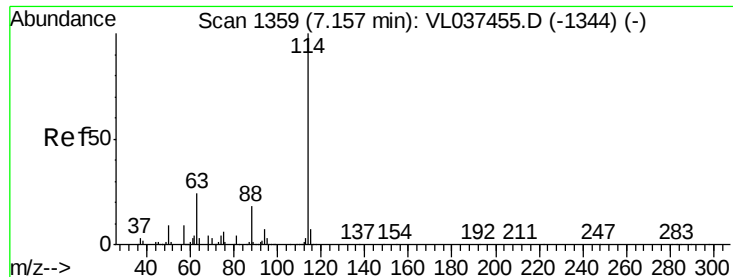
Tot Ion: 84 Resp: 19450
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#



#31
cis-1,2-Dichloroethene
Concen: 0.257 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.02 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 61 Resp: 42675
Ion Ratio Lower Upper
61 100
96 48.0 54.8 82.2#
98 42.5 34.2 51.2

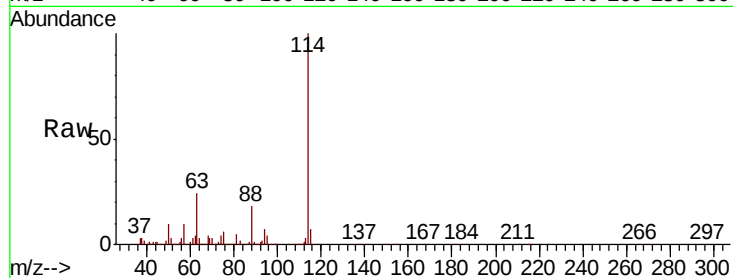




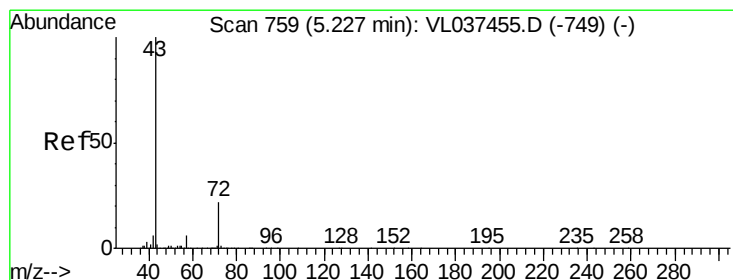
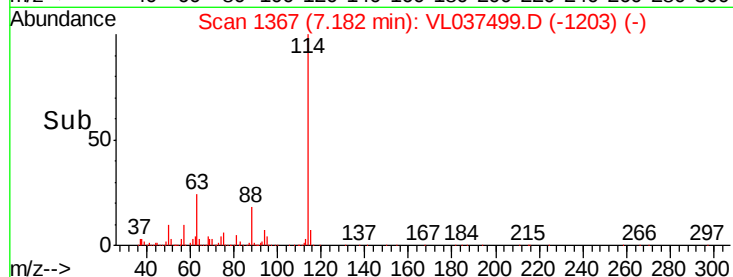
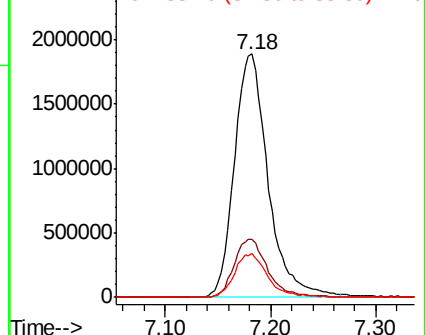
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.03 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4183905
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.3 28.9
 88 17.8 14.2 21.4

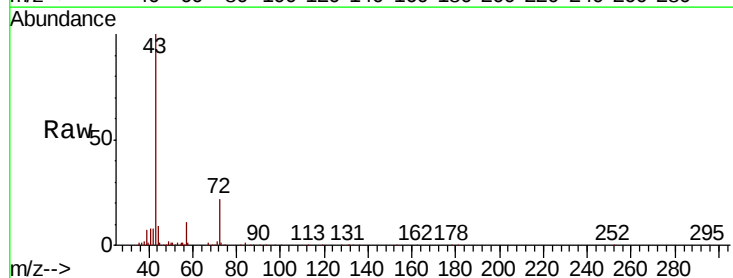


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

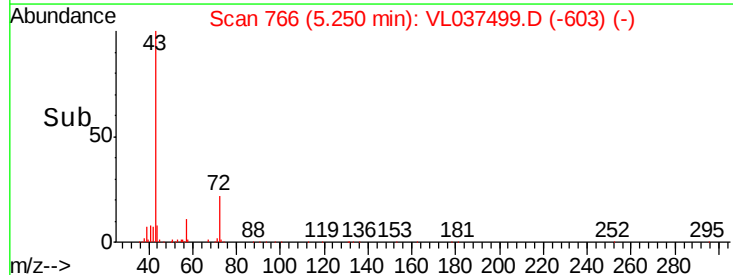
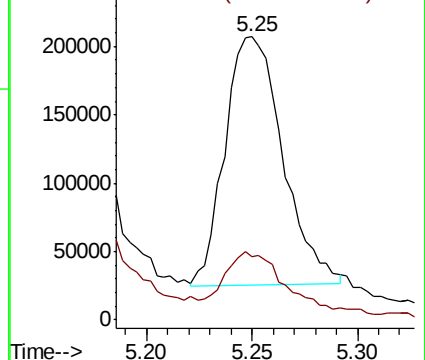


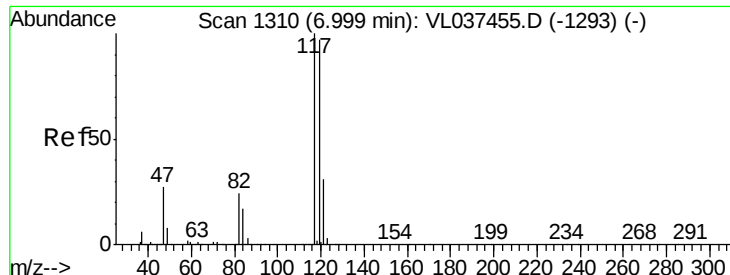
#34
 2-Butanone
 Concen: 2.020 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

Tgt Ion: 43 Resp: 345118
 Ion Ratio Lower Upper
 43 100
 72 36.9 17.4 26.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

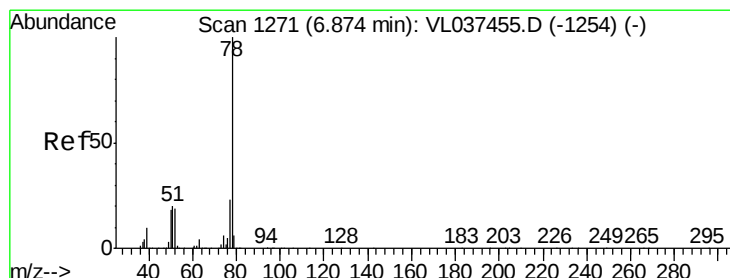
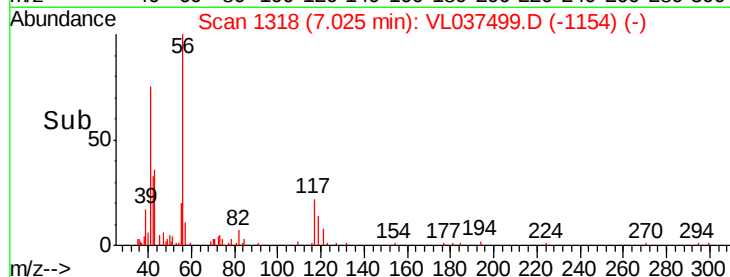
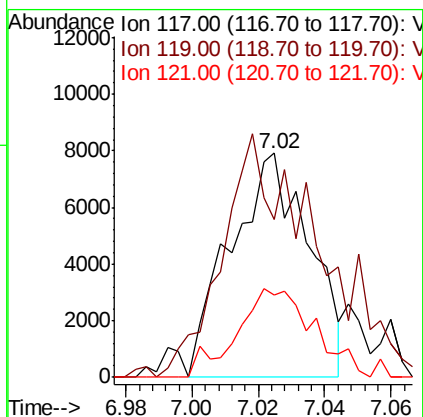
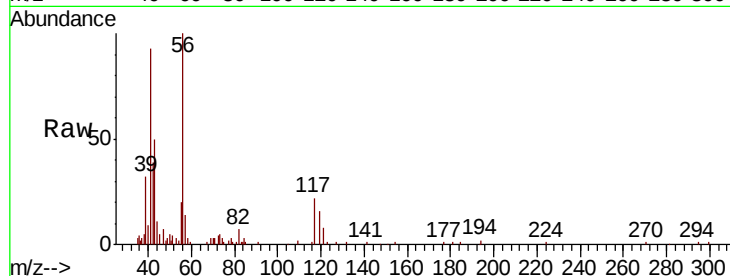




#35
Carbon Tetrachloride
Concen: 0.053 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.03 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

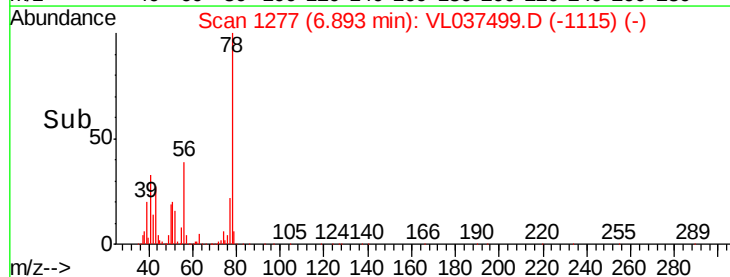
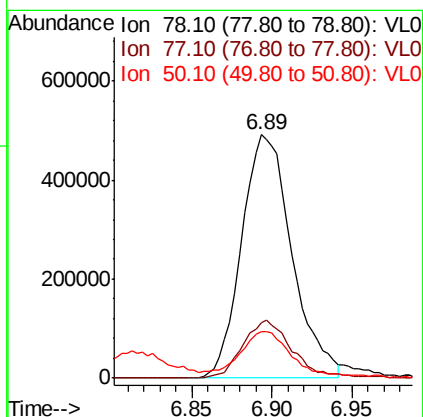
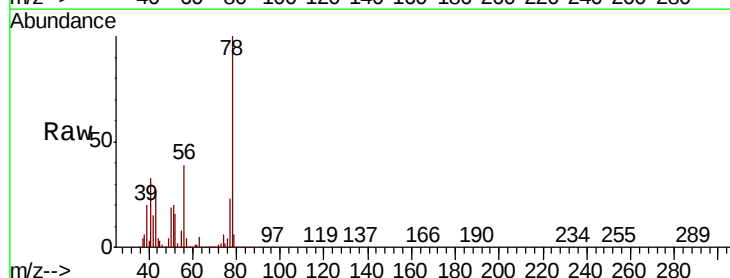
Instrument :
MSVOA_L
ClientSampled :

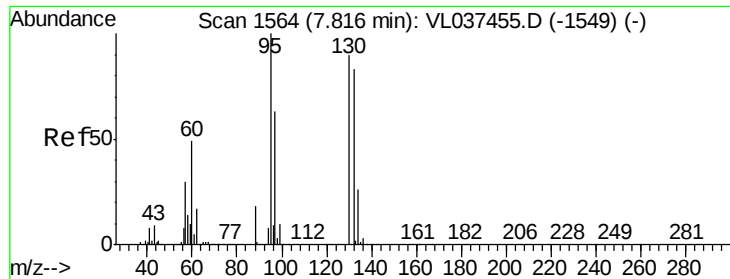
Tot Ion:117 Resp: 13091
Ion Ratio Lower Upper
117 100
119 51.0 77.3 115.9#
121 36.8 25.2 37.8



#36
Benzene
Concen: 3.013 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 78 Resp: 1059767
Ion Ratio Lower Upper
78 100
77 22.5 18.2 27.4
50 17.2 14.6 21.8

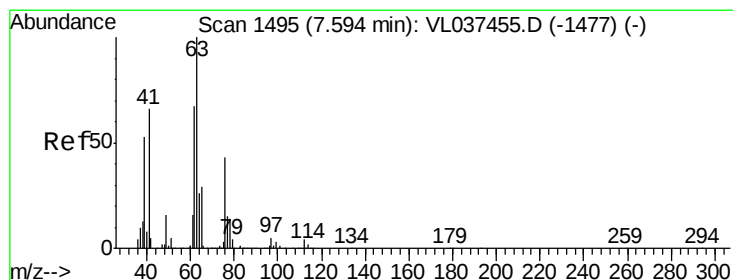
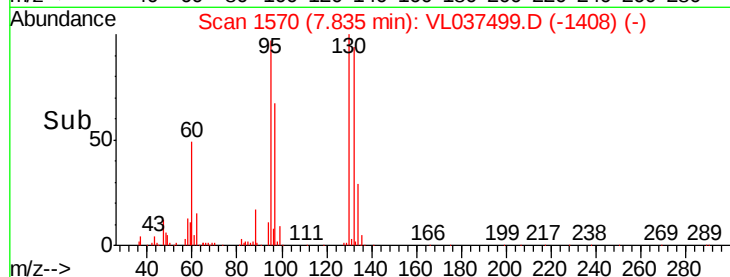
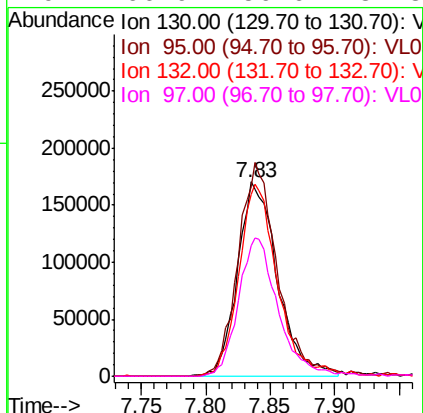
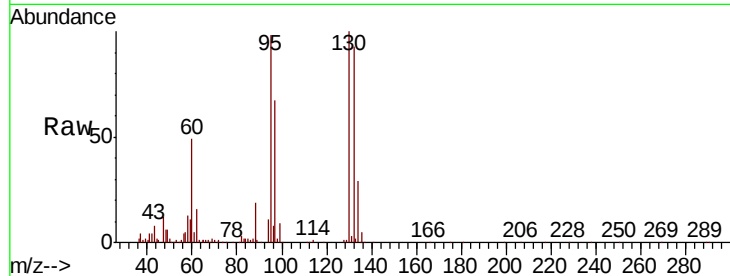




#38
 Trichloroethene
 Concen: 2.546 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

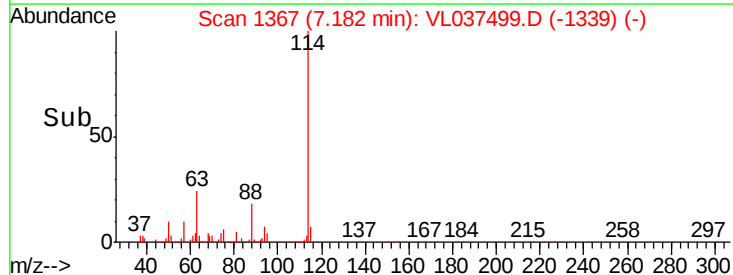
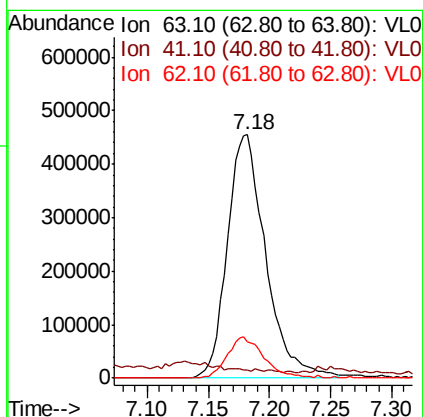
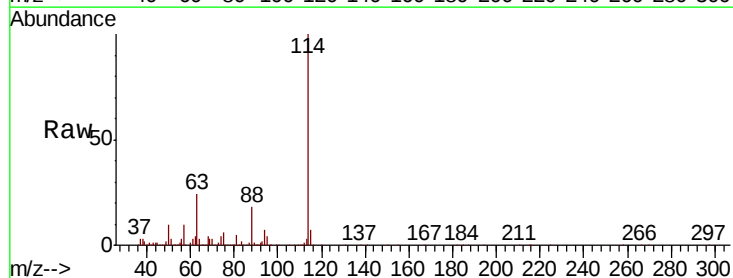
Instrument :
 MSVOA_L
 ClientSampleId :

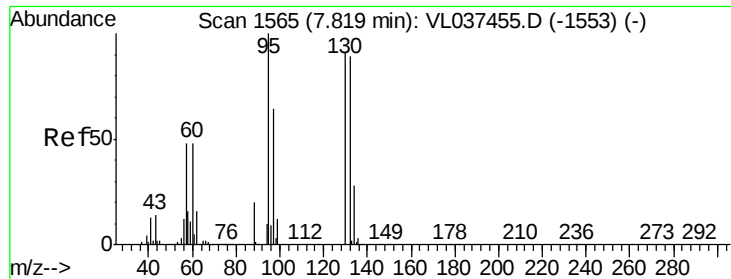
Tot Ion:130	Resp:	367469
Ion Ratio	Lower	Upper
130	100	
95	97.8	89.2 133.8
132	93.4	74.0 111.0
97	66.9	56.6 84.8



#39
 1,2-Dichloropropane
 Concen: 7.352 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.41 min
 Lab File: VL037499.D
 Acq: 19 Aug 2021 15:15

Tgt Ion: 63	Resp:	993613
Ion Ratio	Lower	Upper
63	100	
41	0.0	52.4 78.6#
62	14.7	53.6 80.4#

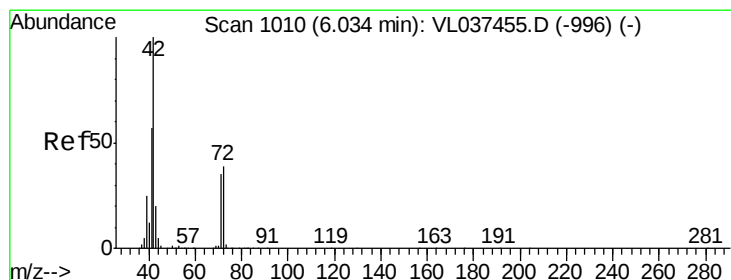
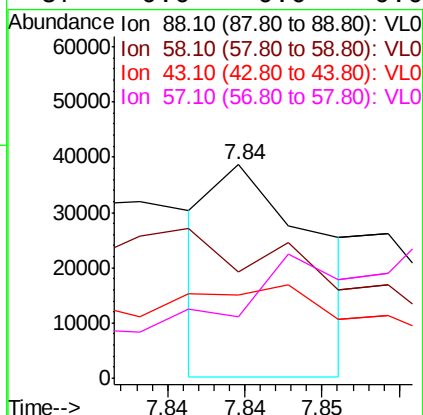
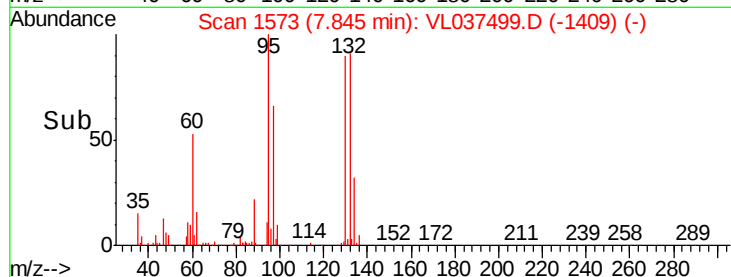
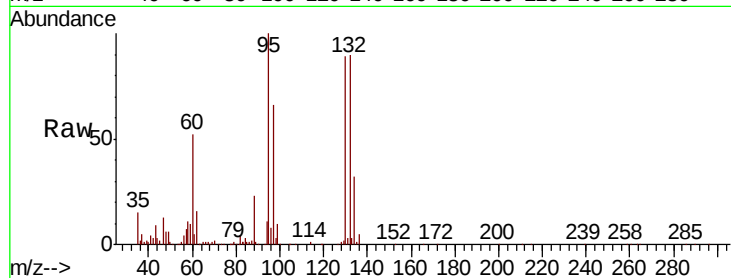




#40
1,4-Dioxane
Concen: 0.529 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.03 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

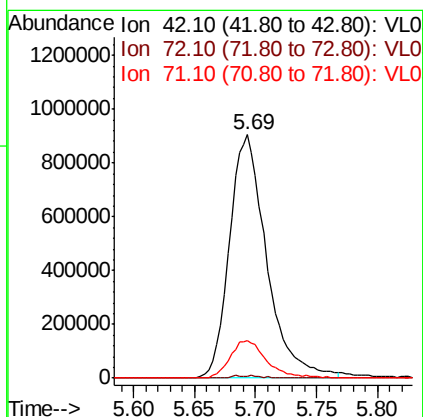
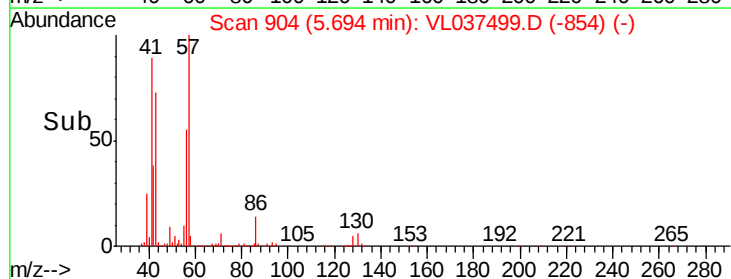
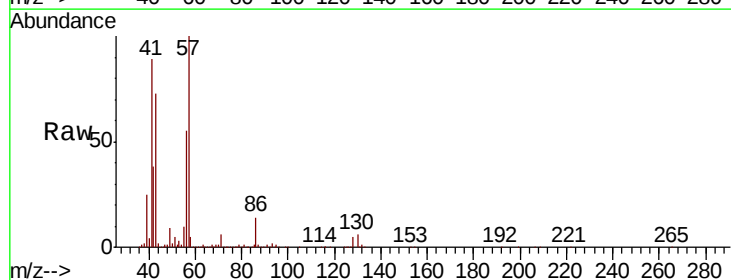
Instrument :
MSVOA_L
ClientSampled :

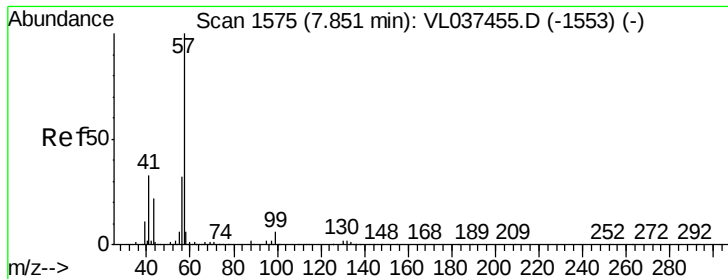
Tot Ion: 88 Resp: 17506
Ion Ratio Lower Upper
88 100
58 366.1 0.0 0.0#
43 253.9 0.0 0.0#
57 0.0 0.0 0.0



#41
Tetrahydrofuran
Concen: 23.240 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.34 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 42 Resp: 1912706
Ion Ratio Lower Upper
42 100
72 1.0 32.2 48.4#
71 15.5 30.5 45.7#





#44

2,2,4-Trimethylpentane

Concen: 0.063 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.03 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

ClientSampleId :

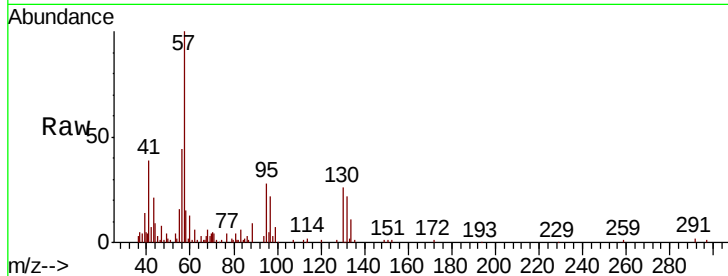
Tot Ion: 57 Resp: 37401

Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.4#

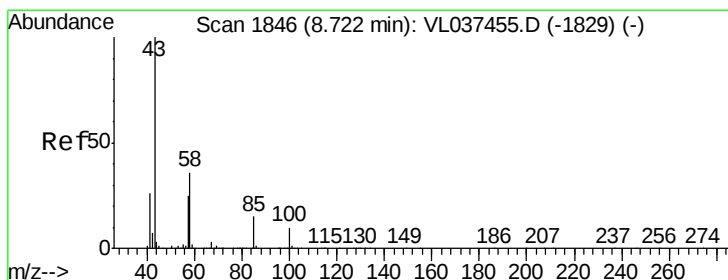
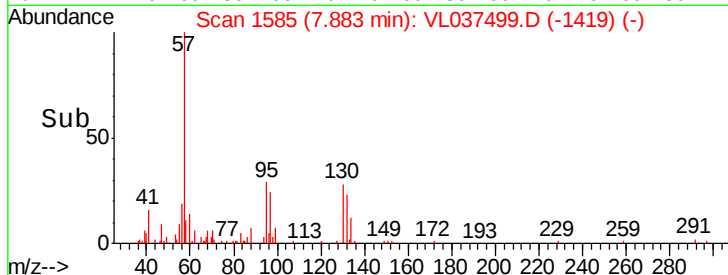
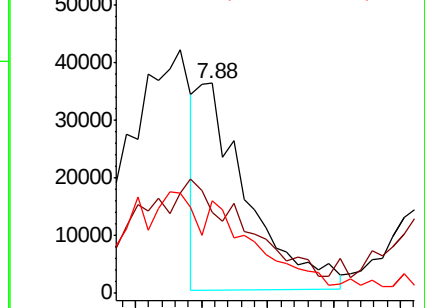
56 0.0 25.4 38.2#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.040 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.03 min

Lab File: VL037499.D

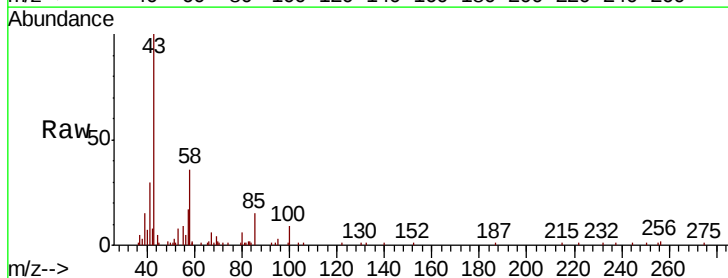
Acq: 19 Aug 2021 15:15

Tgt Ion: 43 Resp: 8818

Ion Ratio Lower Upper

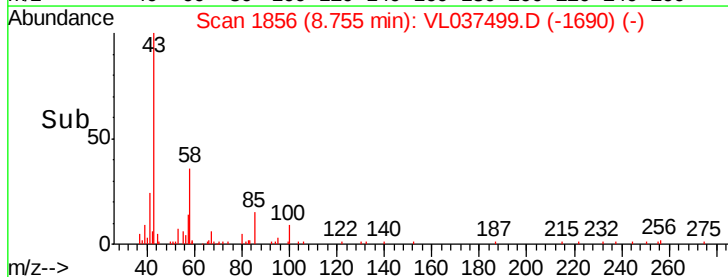
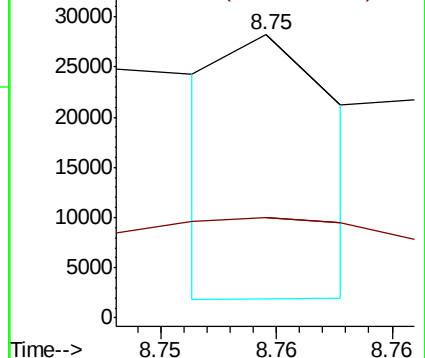
43 100

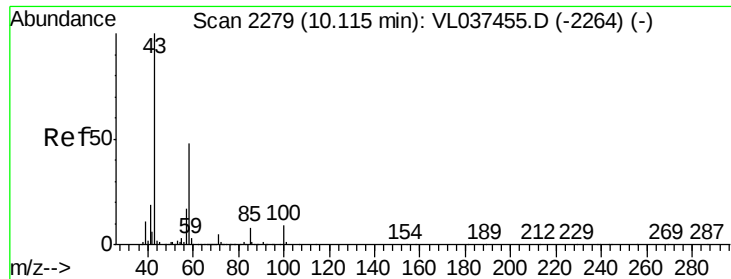
58 244.2 29.9 44.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.408 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

ClientSampleId :

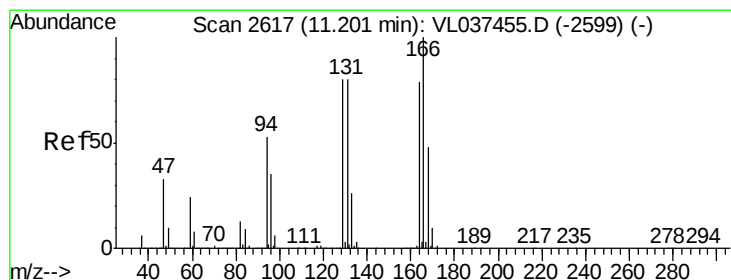
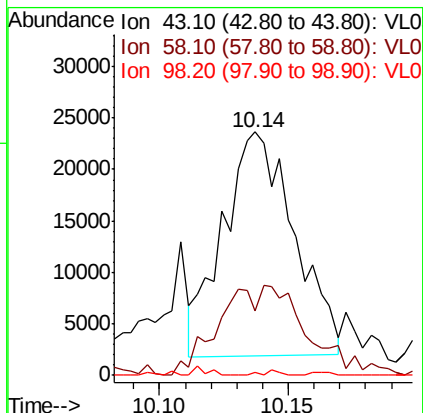
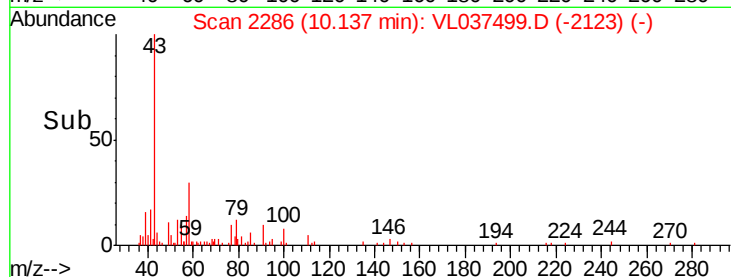
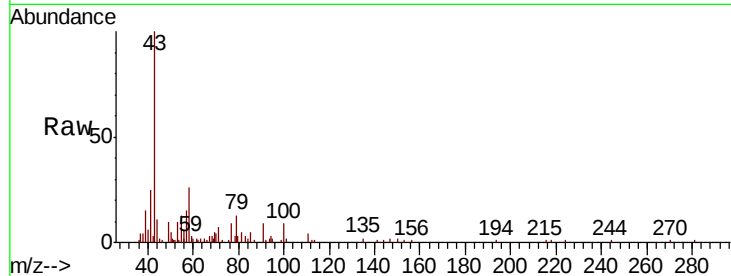
Tot Ion: 43 Resp: 41800

Ion Ratio Lower Upper

43 100

58 50.2 41.0 61.6

98 0.0 0.3 0.5#



#52

Tetrachloroethene

Concen: 0.200 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.03 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Tgt Ion: 164 Resp: 28807

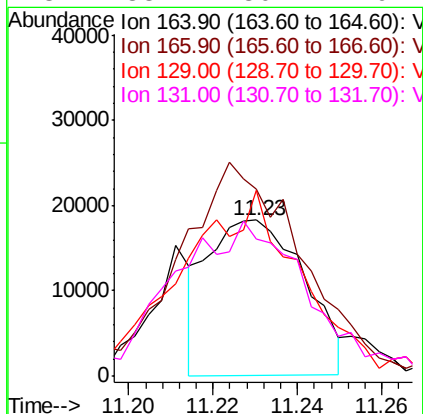
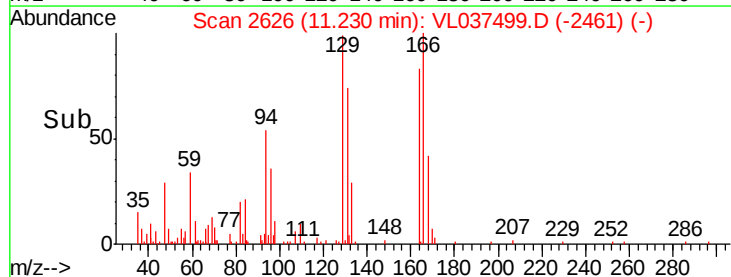
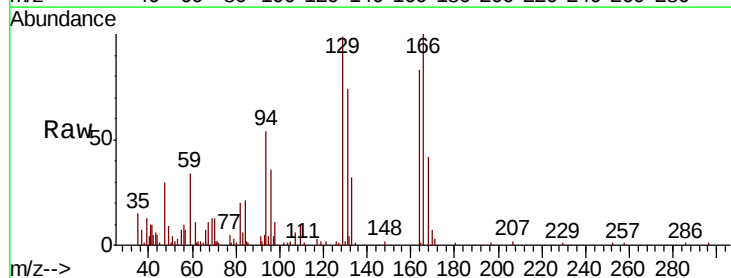
Ion Ratio Lower Upper

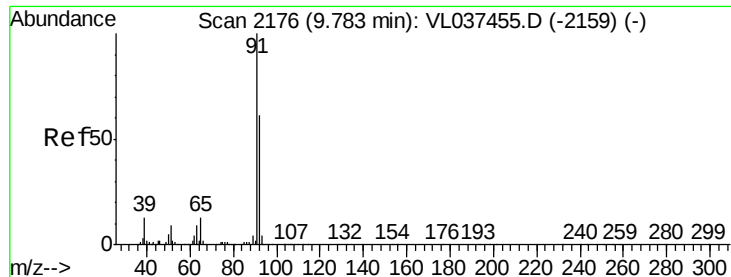
164 100

166 102.2 100.7 151.1

129 116.8 80.9 121.3

131 88.7 80.2 120.4





#53

Toluene

Concen: 0.979 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

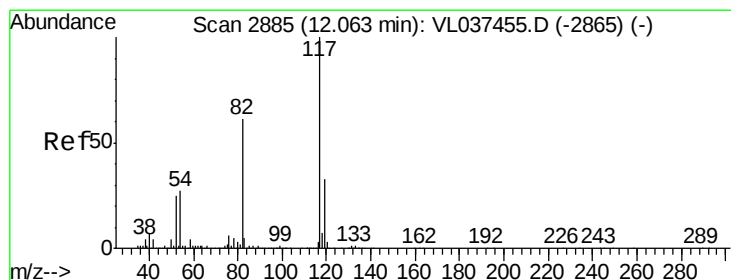
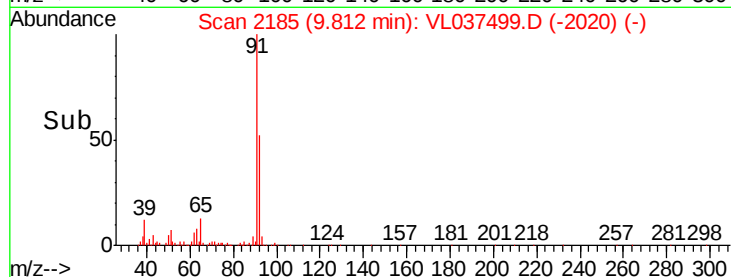
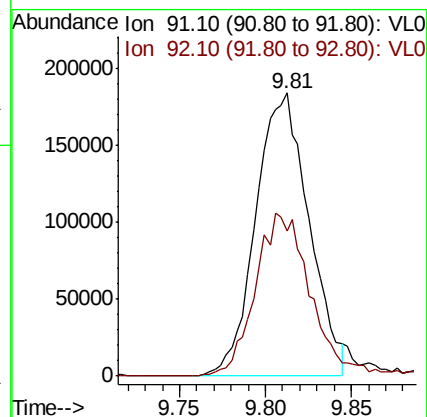
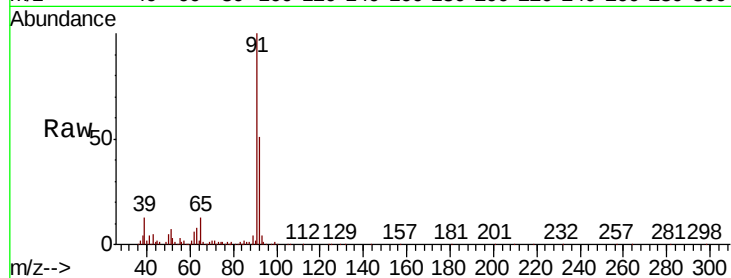
ClientSampleId :

Tot Ion: 91 Resp: 392982

Ion Ratio Lower Upper

91 100

92 61.3 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

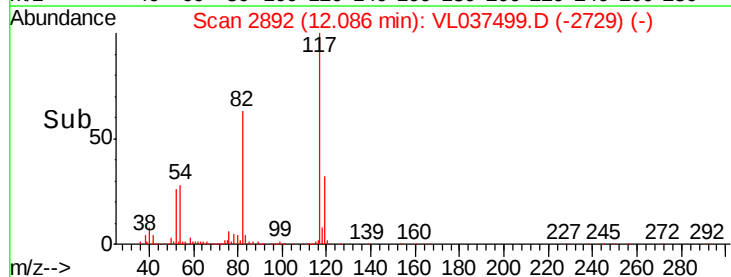
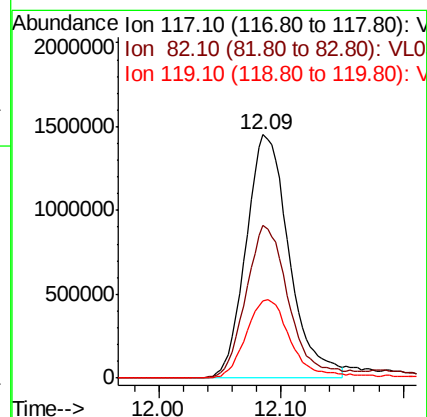
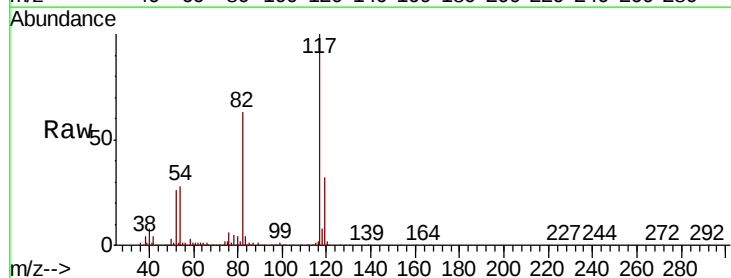
Tgt Ion: 117 Resp: 3542449

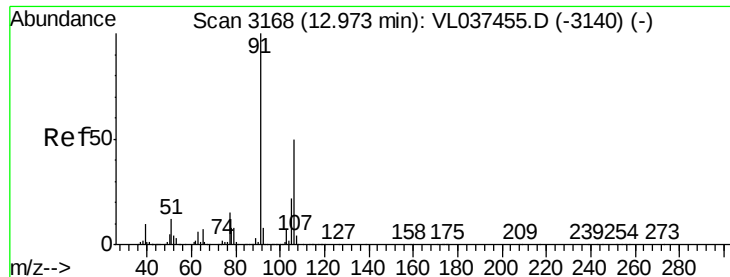
Ion Ratio Lower Upper

117 100

82 63.0 52.9 79.3

119 34.1 24.8 37.2





#59

m/p-Xylene

Concen: 0.145 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

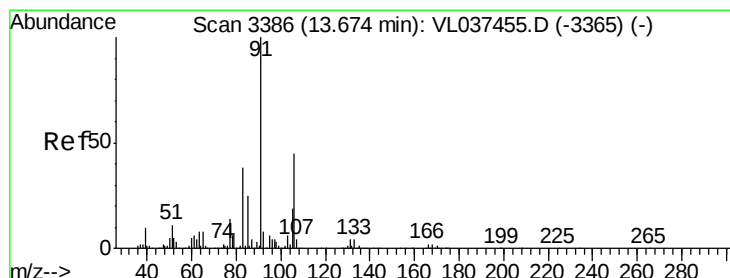
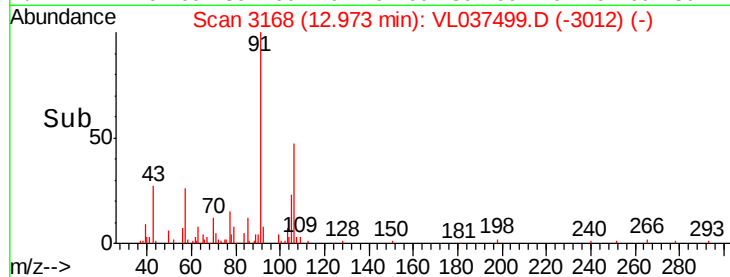
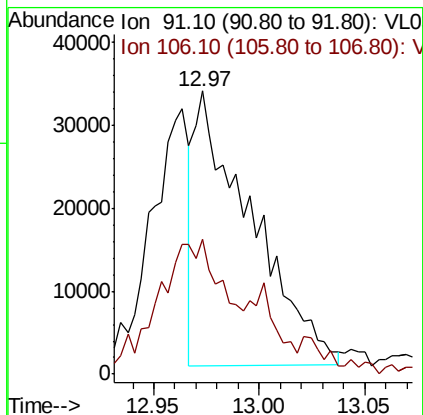
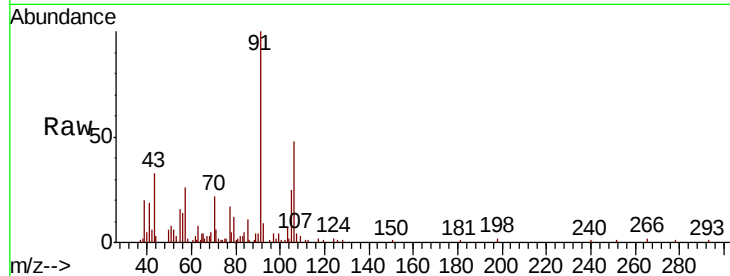
ClientSampleId :

Tot Ion: 91 Resp: 61951

Ion Ratio Lower Upper

91 100

106 82.0 36.9 55.3#



#60

o-Xylene

Concen: 0.059 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.03 min

Lab File: VL037499.D

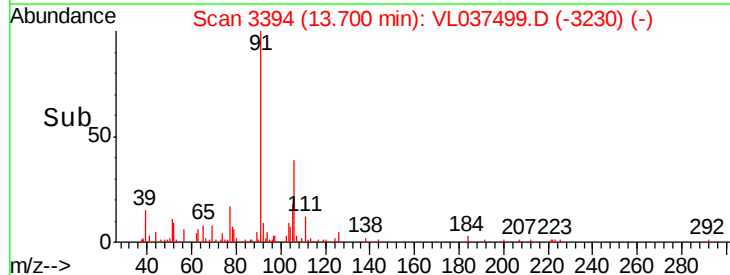
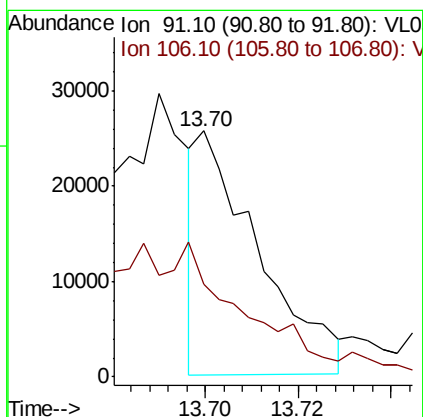
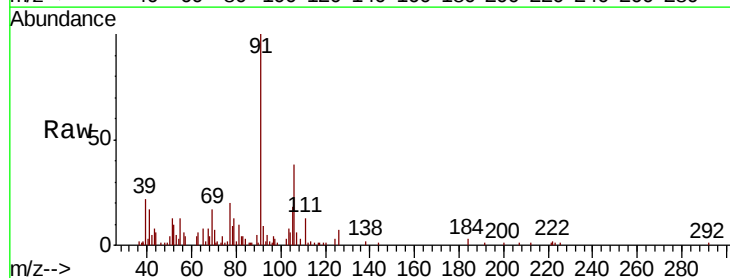
Acq: 19 Aug 2021 15:15

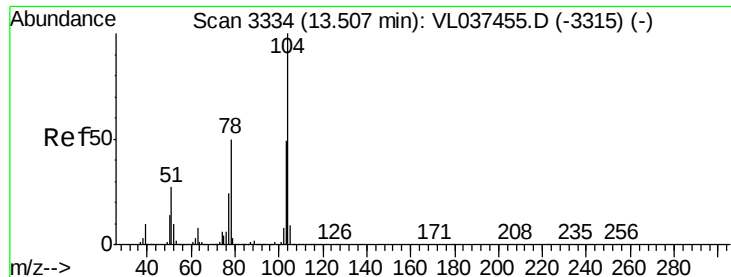
Tgt Ion: 91 Resp: 23423

Ion Ratio Lower Upper

91 100

106 130.7 23.7 71.1#

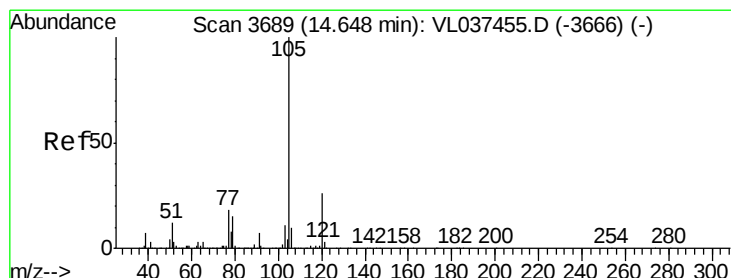
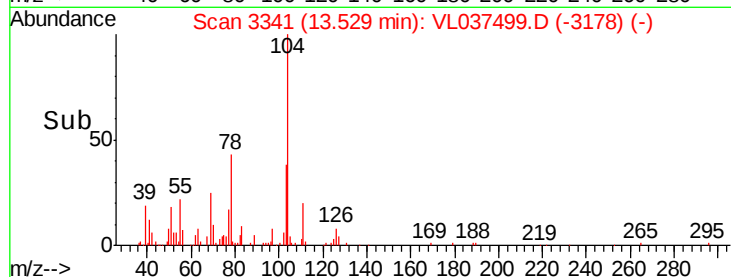
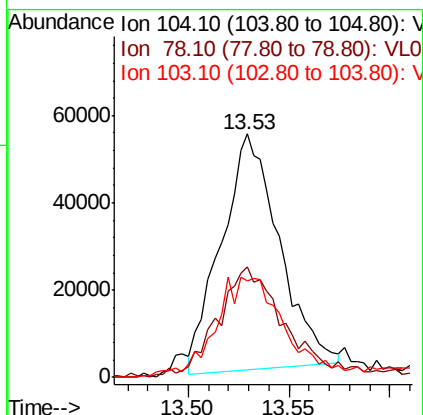
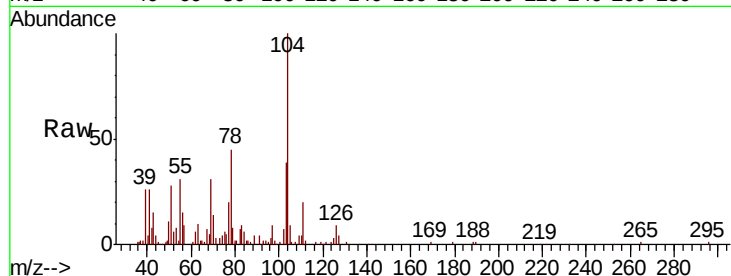




#61
Stvrene
Concen: 0.525 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

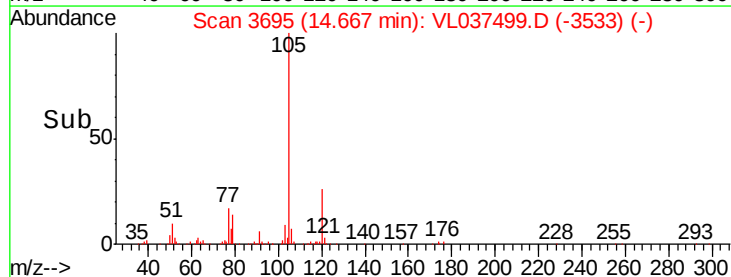
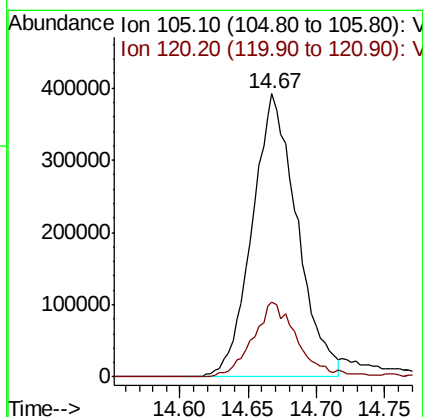
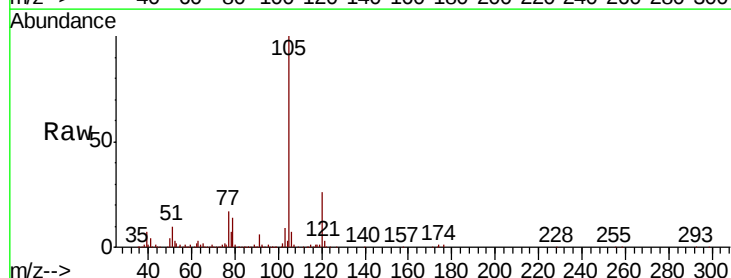
Instrument :
MSVOA_L
ClientSampleId :

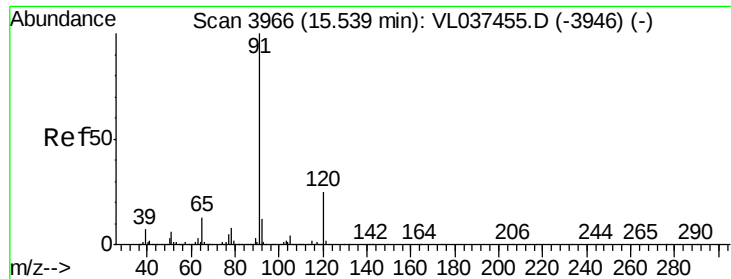
Tot Ion:104 Resp: 108467
Ion Ratio Lower Upper
104 100
78 56.1 41.3 61.9
103 50.7 39.4 59.0



#62
Isopropylbenzene
Concen: 1.598 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion:105 Resp: 896815
Ion Ratio Lower Upper
105 100
120 27.1 21.5 32.3





#64

n-propylbenzene

Concen: 0.040 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

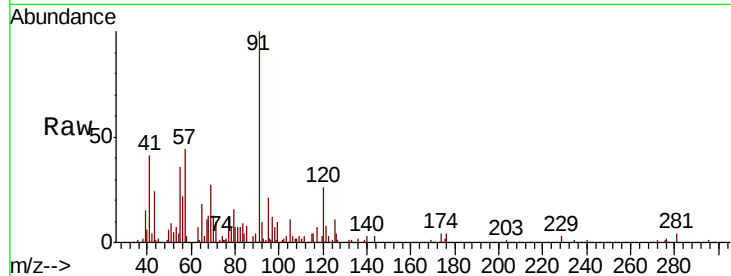
ClientSampleId :

Tot Ion:120 Resp: 5711

Ion Ratio Lower Upper

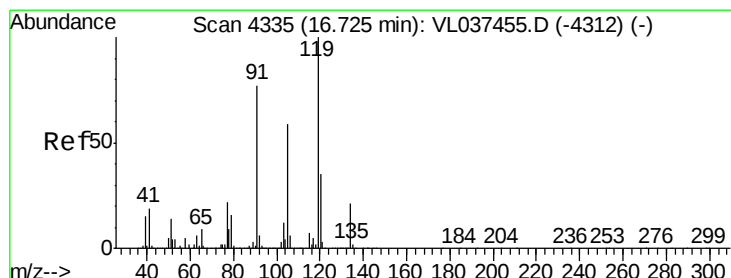
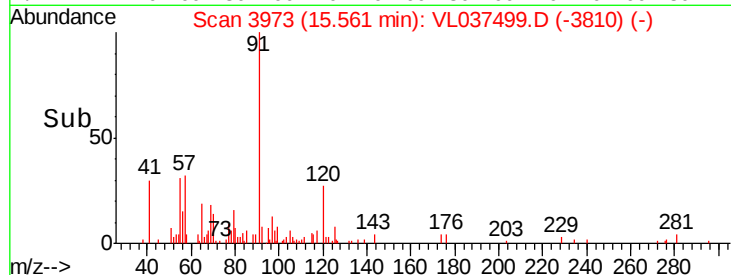
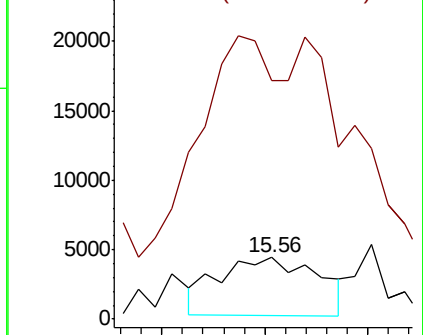
120 100

91 901.1 373.8 560.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.067 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.03 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

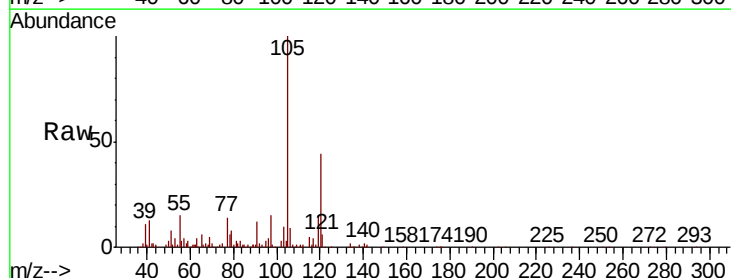
Tgt Ion:119 Resp: 34374

Ion Ratio Lower Upper

119 100

91 132.8 62.9 94.3#

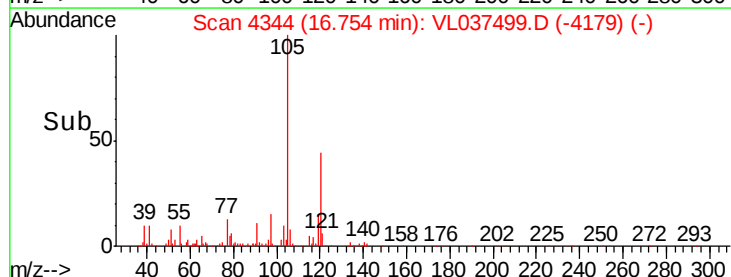
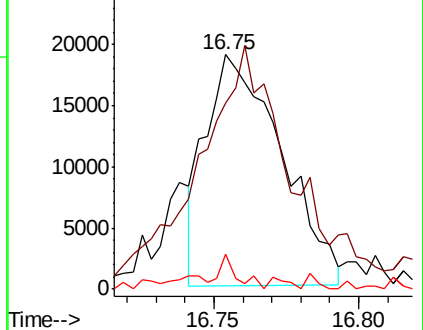
134 7.3 16.4 24.6#

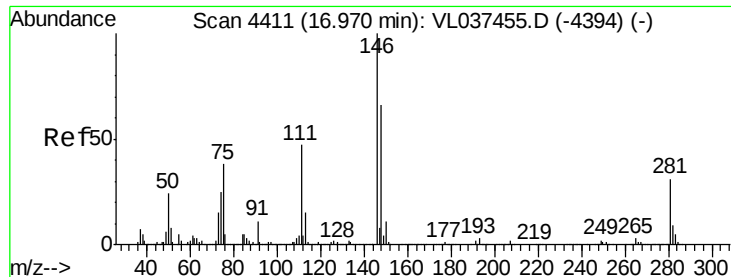


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

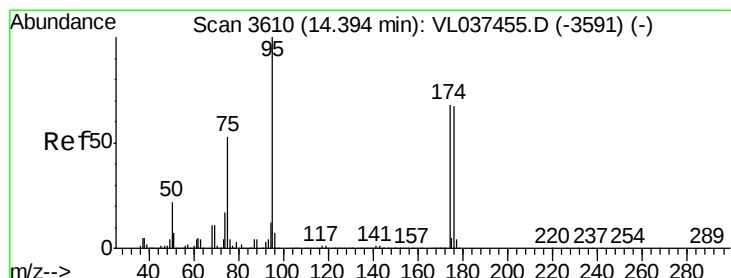
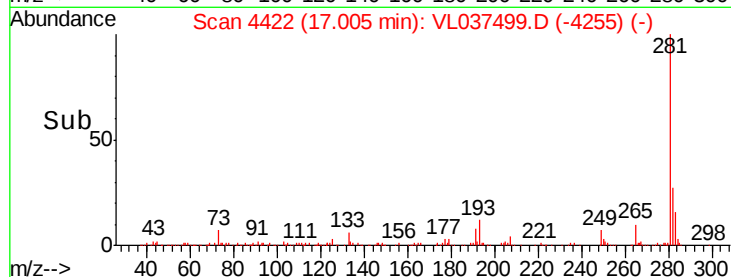
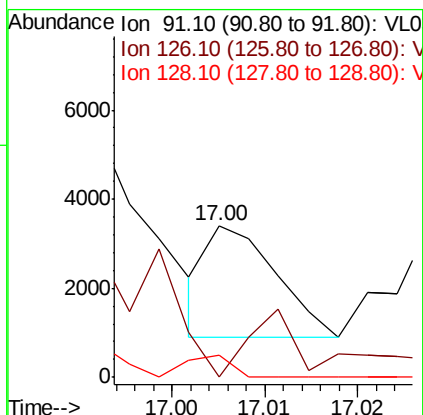
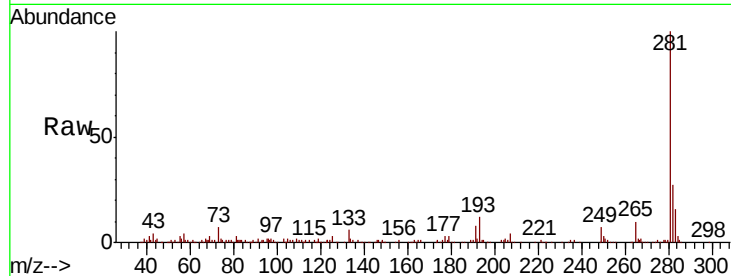




#66
Benzvl Chloride
Concen: 0.056 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. 0.04 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

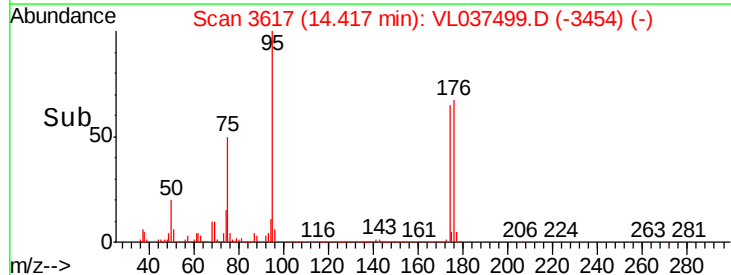
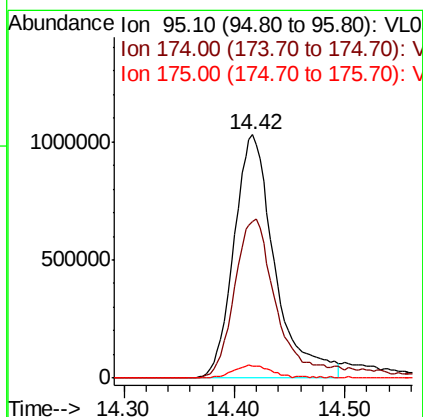
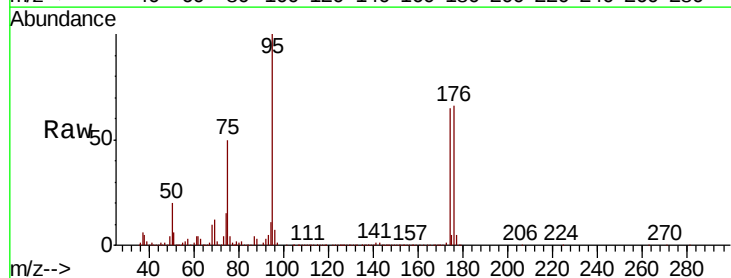
Instrument :
MSVOA_L
ClientSampleId :

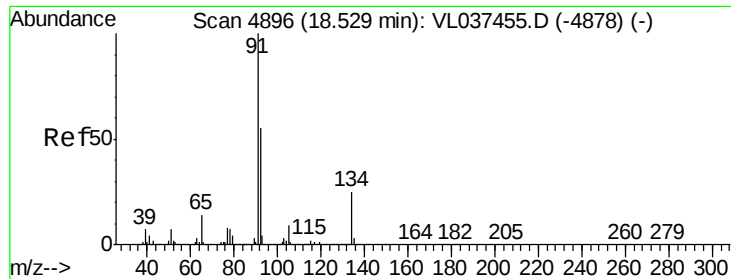
Tot Ion: 91 Resp: 1289
Ion Ratio Lower Upper
91 100
126 0.0 15.9 23.9#
128 0.0 5.4 8.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.472 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 95 Resp: 2635428
Ion Ratio Lower Upper
95 100
174 73.0 59.6 89.4
175 4.9 4.6 7.0

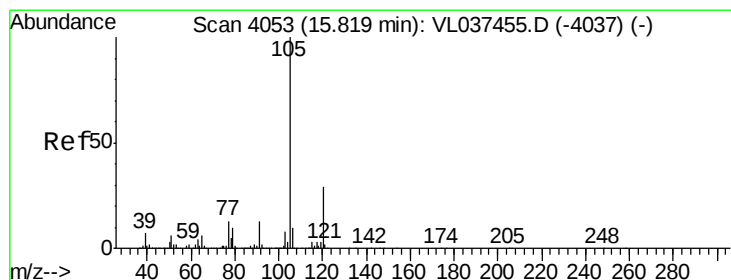
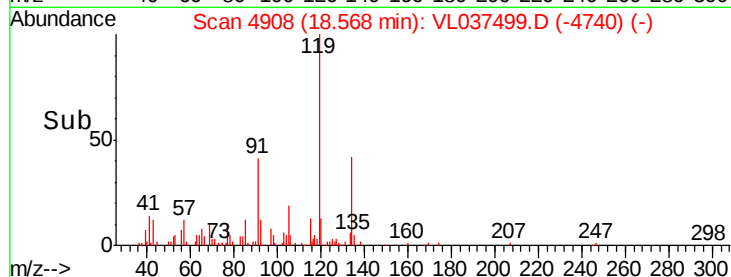
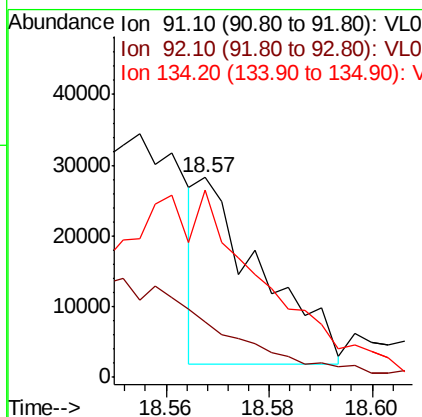
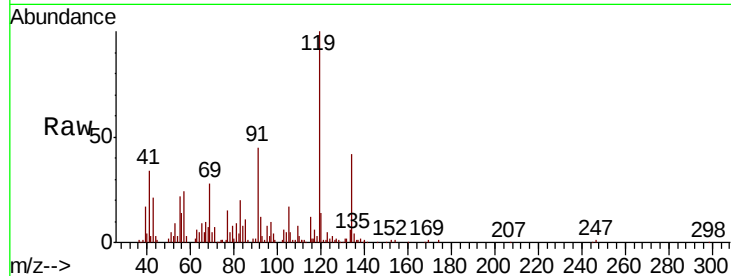




#70
n-Butylbenzene
Concen: 0.040 ppbv
RT: 18.57 min Scan# 4908
Delta R.T. 0.04 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

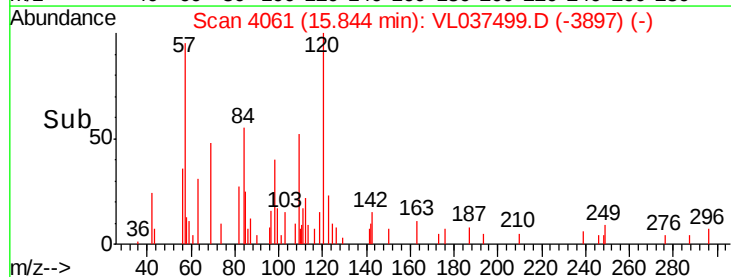
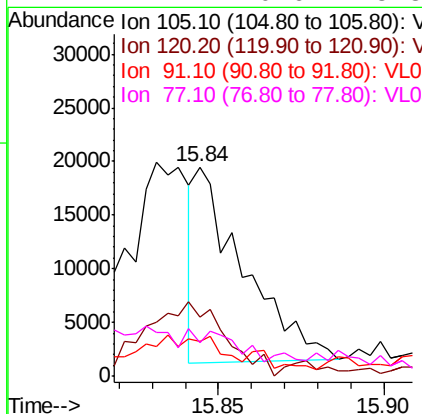
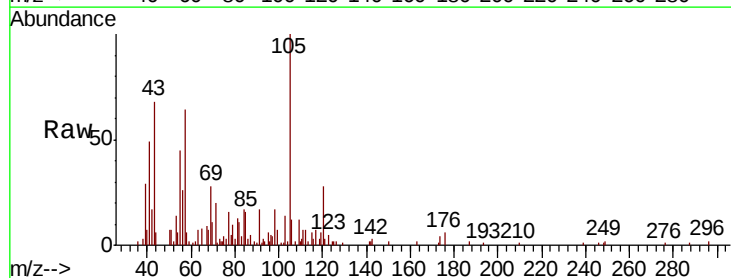
Instrument :
MSVOA_L
ClientSampled :

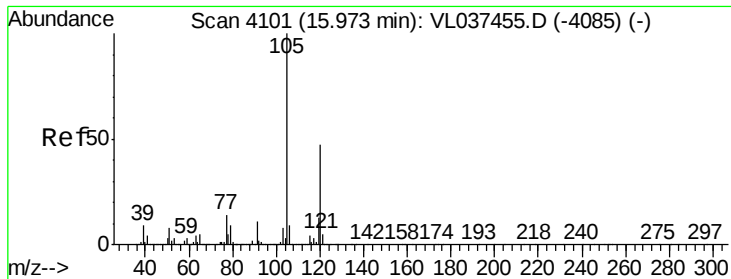
Tot Ion: 91 Resp: 22190
Ion Ratio Lower Upper
91 100
92 0.0 44.0 66.0#
134 340.8 19.5 29.3#



#72
4-Ethyltoluene
Concen: 0.039 ppbv
RT: 15.84 min Scan# 4061
Delta R.T. 0.03 min
Lab File: VL037499.D
Acq: 19 Aug 2021 15:15

Tgt Ion: 105 Resp: 18333
Ion Ratio Lower Upper
105 100
120 63.1 24.7 37.1#
91 0.0 9.8 14.8#
77 12.7 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.109 ppbv

RT: 16.01 min Scan# 4111

Delta R.T. 0.03 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

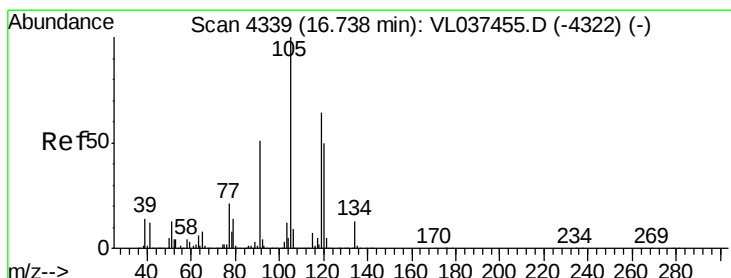
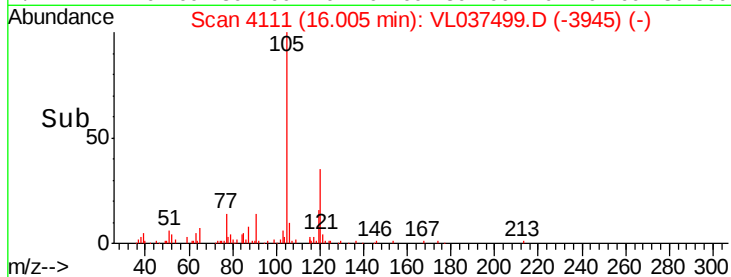
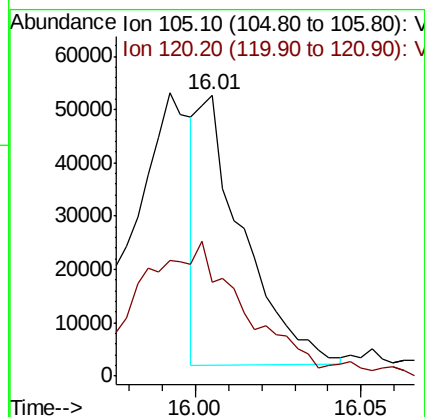
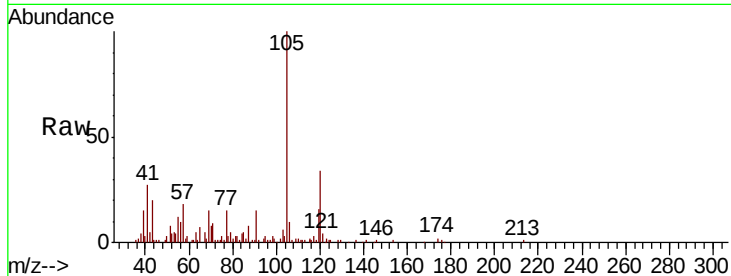
ClientSampleId :

Tot Ion:105 Resp: 48007

Ion Ratio Lower Upper

105 100

120 31.4 37.6 56.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.672 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Tgt Ion:105 Resp: 314479

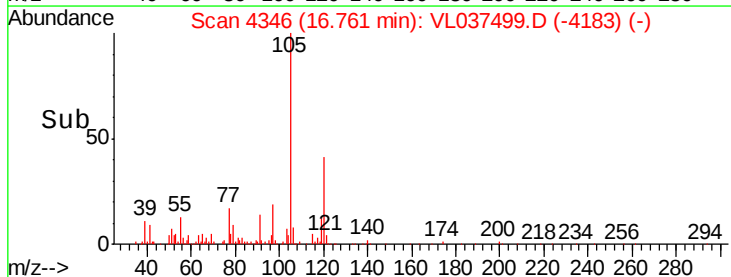
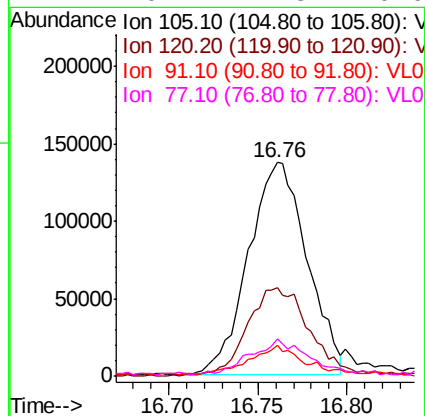
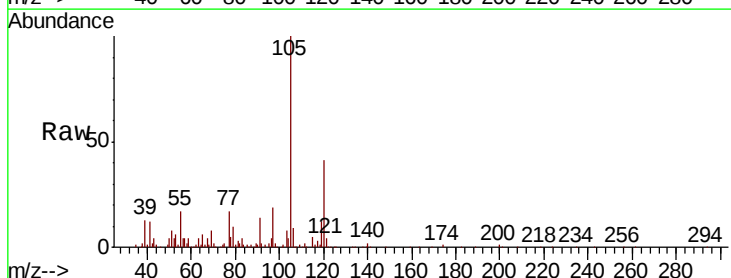
Ion Ratio Lower Upper

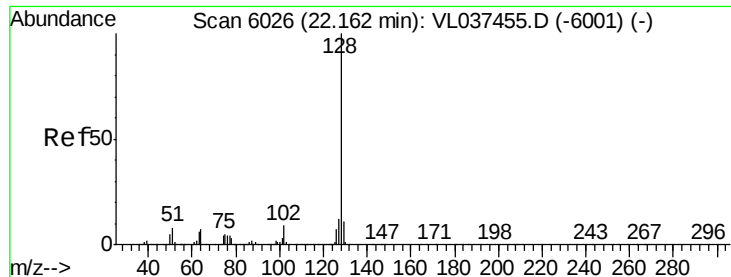
105 100

120 41.3 40.4 60.6

91 13.6 44.6 67.0#

77 16.7 17.8 26.6#





#79

Naphthalene

Concen: 0.165 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.05 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

Instrument :

MSVOA_L

ClientSampleId :

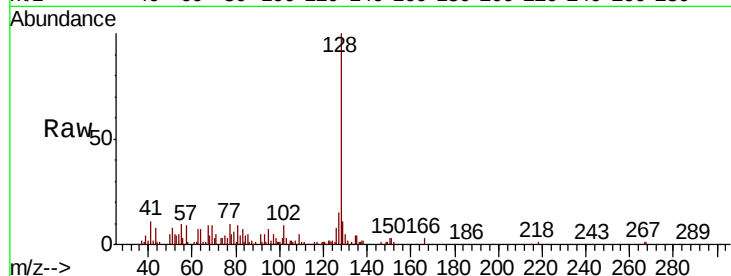
Tot Ion:128 Resp: 51520

Ion Ratio Lower Upper

128 100

127 14.0 9.4 14.2

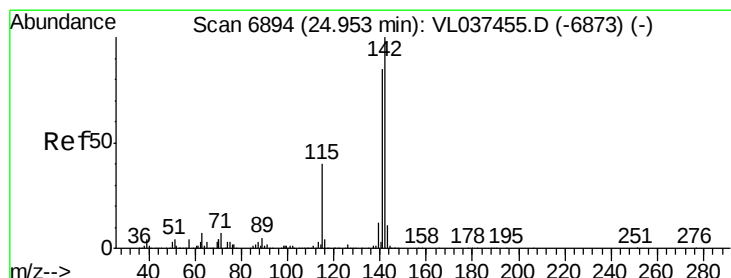
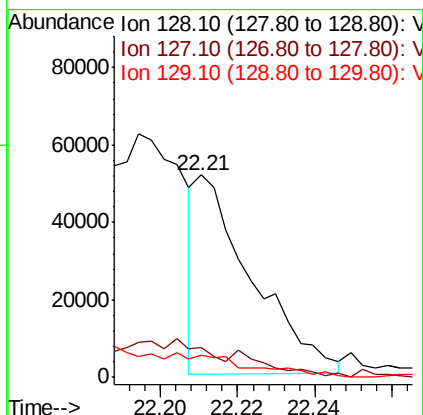
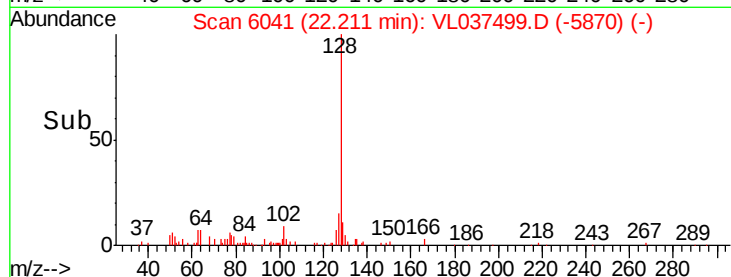
129 10.7 8.8 13.2



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: 0.134 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.02 min

Lab File: VL037499.D

Acq: 19 Aug 2021 15:15

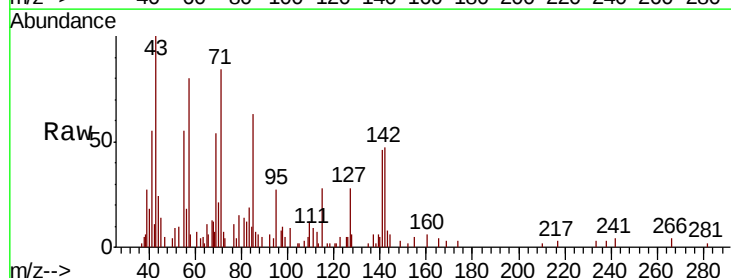
Tgt Ion:142 Resp: 11702

Ion Ratio Lower Upper

142 100

141 101.5 64.7 97.1#

115 44.7 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

