

Data File : VL037416.D

Acq On : 12 Aug 2021 15:43

Operator : SY/AP

Sample : VSTDICV010

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

Quant Time: Aug 12 16:25:12 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 15:26:13 2021

QLast Update : Thu Aug 12 15:26:13 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1412265	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4148551	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4569058	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2681280	8.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1892738	8.772	ppbv	100
3) Chlorodifluoromethane	2.99	51	2392428	8.626	ppbv	98
4) Chloromethane	3.14	50	880177	8.829	ppbv	98
5) Vinyl Chloride	3.26	62	922165	9.055	ppbv	97
6) Bromomethane	3.47	94	448452	7.873	ppbv	98
7) Chloroethane	3.56	64	320387	8.834	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2124800	8.824	ppbv	99
9) Propene	3.01	41	850357	9.131	ppbv	98
10) Heptane	8.12	43	2129783	9.405	ppbv	98
11) Trichlorofluoromethane	3.95	101	2029645	8.693	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1463767	8.950	ppbv	97
13) Ethanol	3.61	45	47495	4.779	ppbv #	33
14) Bromoethene	3.74	108	667428	9.174	ppbv	97
15) Acetone	3.85	43	1148658	7.669	ppbv	99
16) 1,3-Butadiene	3.33	39	888007	8.834	ppbv	97
17) tert-Butyl alcohol	4.29	59	1376953	9.632	ppbv	100
18) 1,1-Dichloroethene	4.29	96	685689	9.030	ppbv	95
19) Isopropyl Alcohol	3.97	45	774240	8.882	ppbv #	1
20) Methylene Chloride	4.35	84	609010	7.690	ppbv	90
21) Allyl Chloride	4.41	41	1092983	9.313	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	675048	9.477	ppbv	95
23) Vinyl Acetate	5.07	43	2020515	8.792	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1452583	8.138	ppbv	97
25) Ethyl Acetate	5.68	43	3331006	9.332	ppbv	99
26) Hexane	5.69	57	1632722	8.863	ppbv	99
27) Carbon Disulfide	4.55	76	1655012	10.657	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1709928	8.674	ppbv	100
29) Chloroform	5.75	83	2309143	8.904	ppbv	98
30) Cyclohexane	7.13	84	1330687	8.772	ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	1540247	9.673	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2263143	8.647	ppbv	99
34) 2-Butanone	5.25	43	1455446	8.498	ppbv	97
35) Carbon Tetrachloride	7.02	117	2337882	9.139	ppbv	98
36) Benzene	6.89	78	3289369	9.403	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1629272	9.127	ppbv	99
38) Trichloroethene	7.84	130	1285749	8.327	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1265192	9.494	ppbv	100
40) 1,4-Dioxane	7.84	88	283902	8.755	ppbv #	100
41) Tetrahydrofuran	6.05	42	758492	9.643	ppbv	99
42) Bromodichloromethane	7.79	83	2479606	9.919	ppbv	96
43) Methyl Methacrylate	8.01	69	1187329	10.015	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 15:26:13 2021

QLast Update : Thu Aug 12 15:26:13 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5470834	9.354	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	804032	9.126	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1057617	8.599	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1325631	9.202	ppbv	97
48) Dibromochloromethane	10.30	129	2092942	10.070	ppbv	97
49) Bromoform	13.04	173	1610000	10.223	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2189936	10.163	ppbv	100
51) 2-Hexanone	10.14	43	531372	5.242	ppbv #	28
52) Tetrachloroethene	11.22	164	1180769	8.012	ppbv	95
53) Toluene	9.81	91	3781816	9.469	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1811503	9.240	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1412166	7.764	ppbv #	56
57) Chlorobenzene	12.15	112	2683868	7.248	ppbv	96
58) Ethyl Benzene	12.71	91	4810979	7.762	ppbv	99
59) m/p-Xylene	12.99	91	4443709	8.162	ppbv #	43
60) o-Xylene	13.69	91	3692342	7.300	ppbv	99
61) Styrene	13.53	104	2040156	7.984	ppbv	99
62) Isopropylbenzene	14.66	105	5206824	7.198	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2619233	6.867	ppbv	100
64) n-propylbenzene	15.56	120	1334570	7.332	ppbv	100
65) tert-Butylbenzene	16.74	119	4618261	7.080	ppbv	99
66) Benzyl Chloride	16.99	91	210380	7.049	ppbv #	98
67) sec-Butylbenzene	17.29	105	6428628	7.243	ppbv	99
69) p-Isopropyltoluene	17.65	119	5421918	7.443	ppbv	100
70) n-Butylbenzene	18.55	91	5272932	7.788	ppbv	99
71) 2-Chlorotoluene	15.45	91	3726247	7.283	ppbv	99
72) 4-Ethyltoluene	15.84	105	4622645	7.873	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	4130863	7.442	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4146997	7.297	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2482351	7.138	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2386735	6.922	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2385340	7.128	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1830700	6.754	ppbv	100
79) Naphthalene	22.19	128	3132514	10.142	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	939619	14.404	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1900309	9.055	ppbv	99

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

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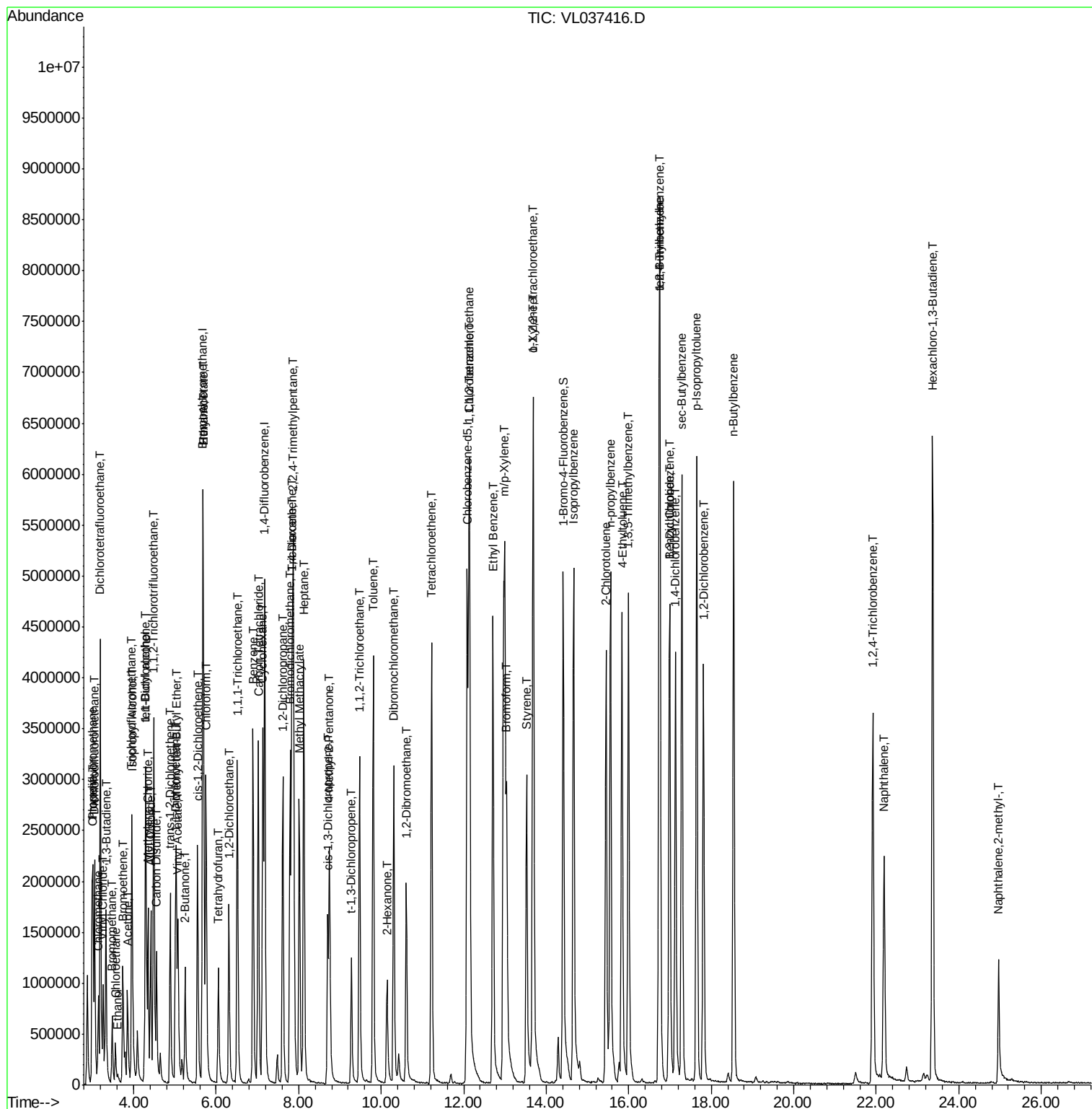
Quant Time: Aug 12 16:25:12 2021

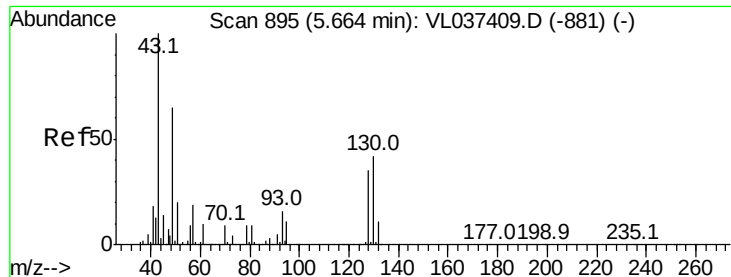
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081221AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Aug 12 15:26:13 2021

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

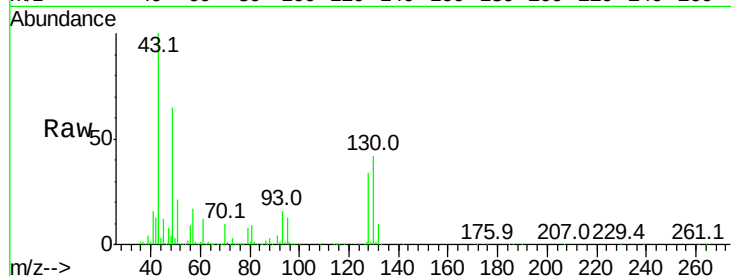
Tgt Ion: 49 Resp: 1412265

Ion Ratio Lower Upper

49 100

128 55.3 27.9 83.6

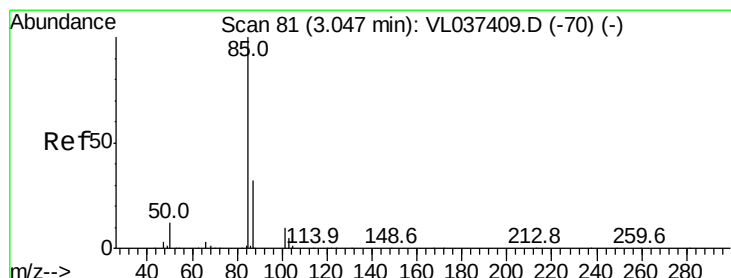
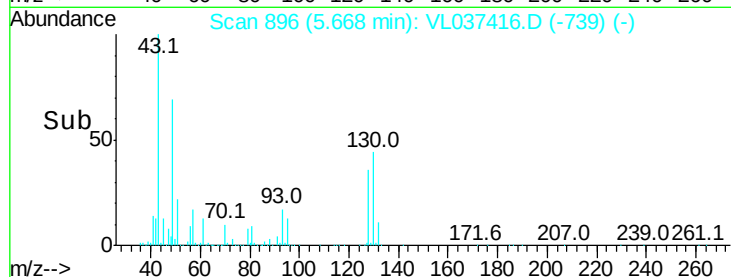
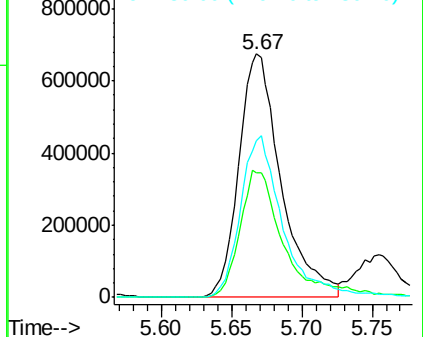
130 67.8 34.6 103.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.772 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037416.D

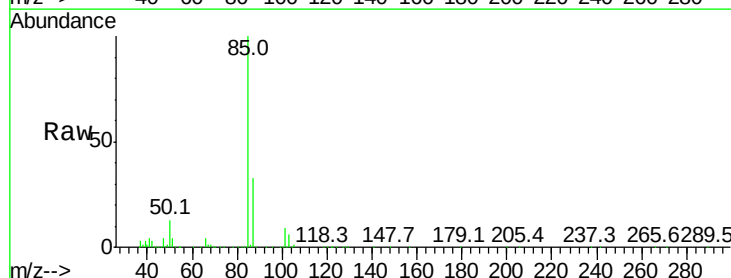
Acq: 12 Aug 2021 15:43

Tgt Ion: 85 Resp: 1892738

Ion Ratio Lower Upper

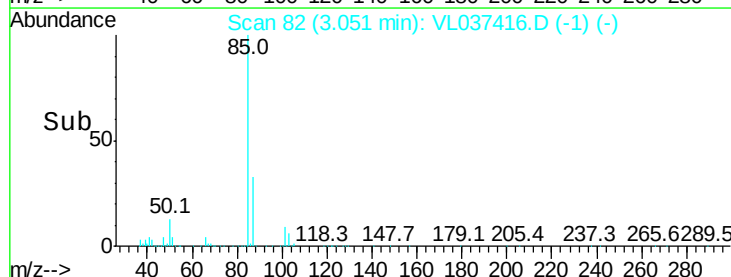
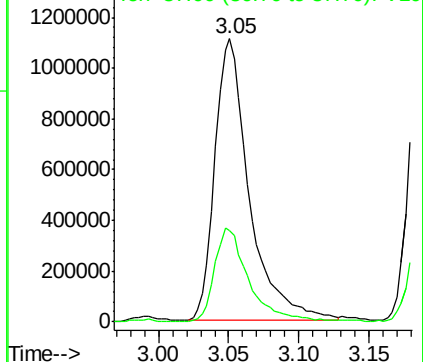
85 100

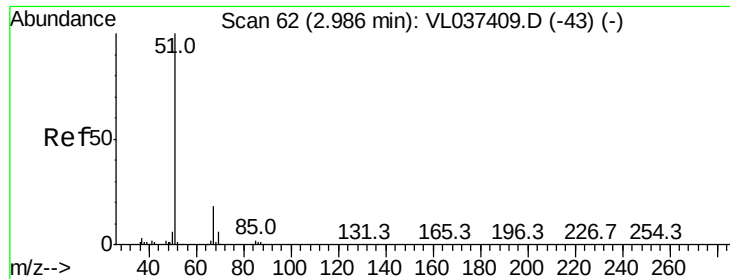
87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

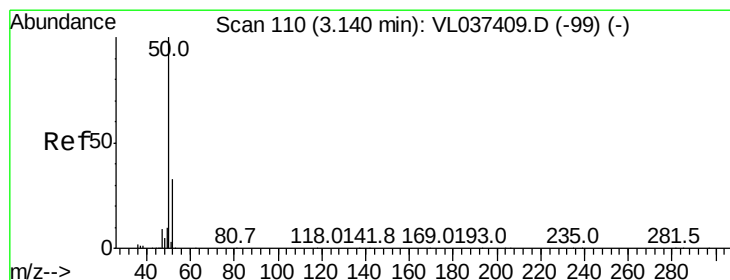
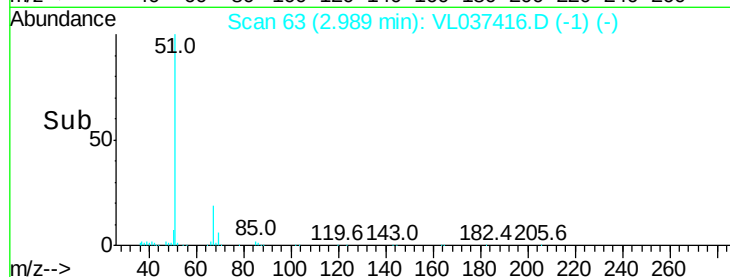
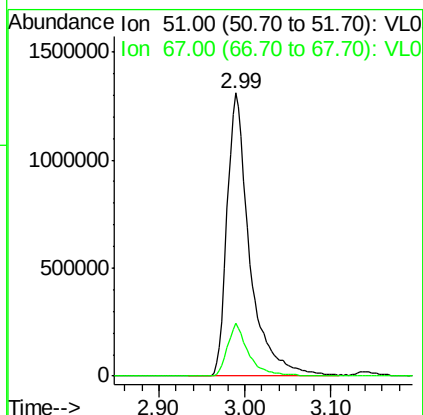
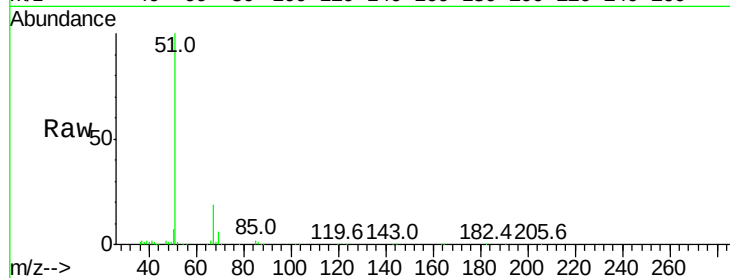




#3
 Chlorodifluoromethane
 Concen: 8.626 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

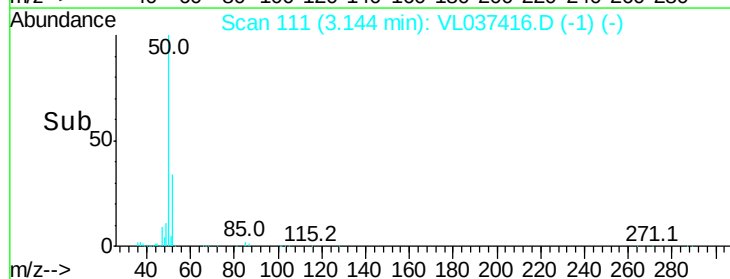
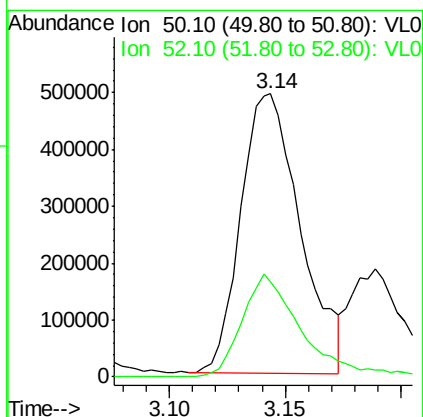
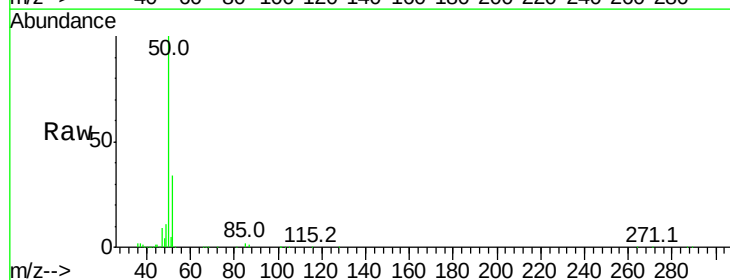
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081221

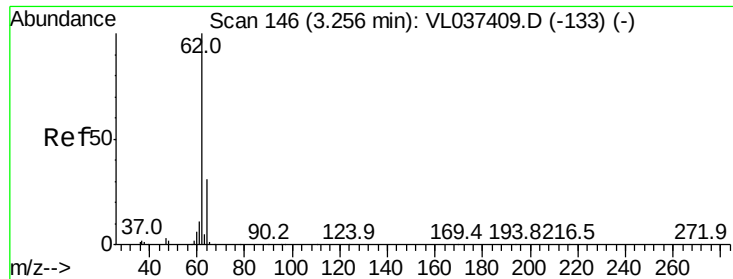
Tgt Ion: 51 Resp: 2392428
 Ion Ratio Lower Upper
 51 100
 67 17.6 14.7 22.1



#4
 Chloromethane
 Concen: 8.829 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

Tgt Ion: 50 Resp: 880177
 Ion Ratio Lower Upper
 50 100
 52 34.0 26.2 39.4





#5

Vinyl Chloride

Concen: 9.055 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

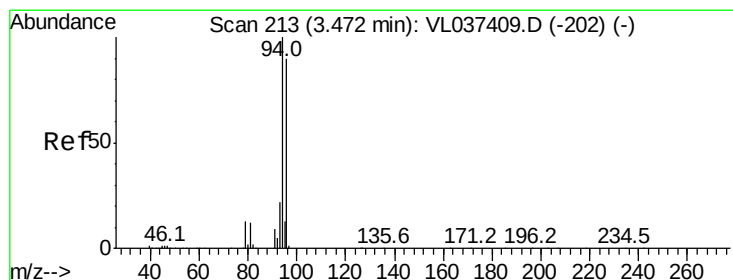
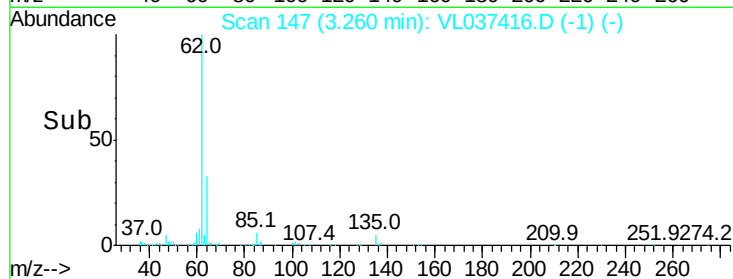
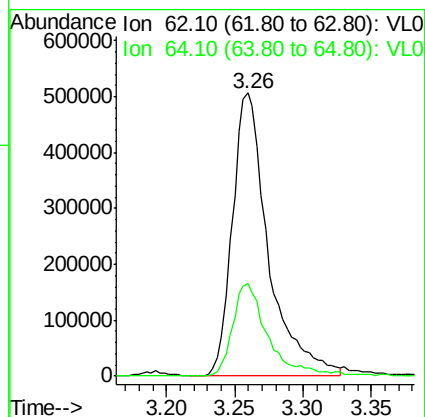
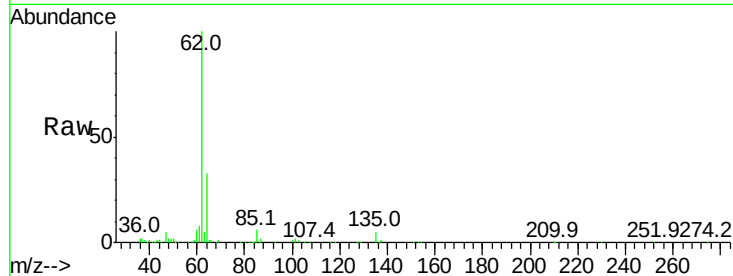
ICVVL081221

Tgt Ion: 62 Resp: 922165

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.6



#6

Bromomethane

Concen: 7.873 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037416.D

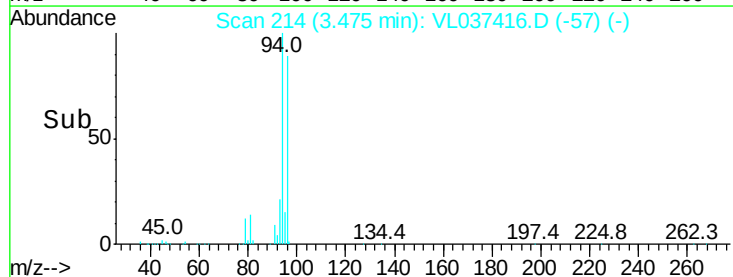
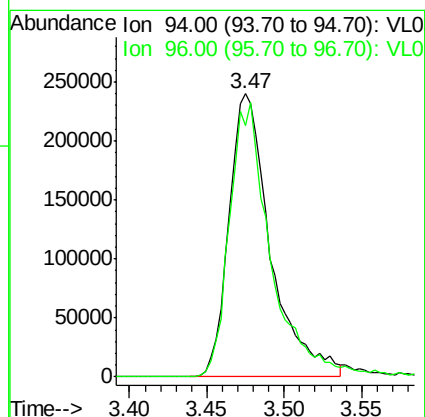
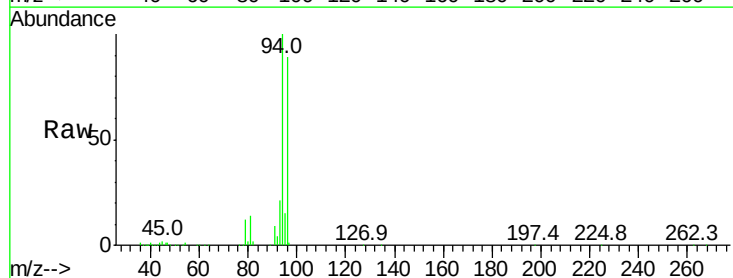
Acq: 12 Aug 2021 15:43

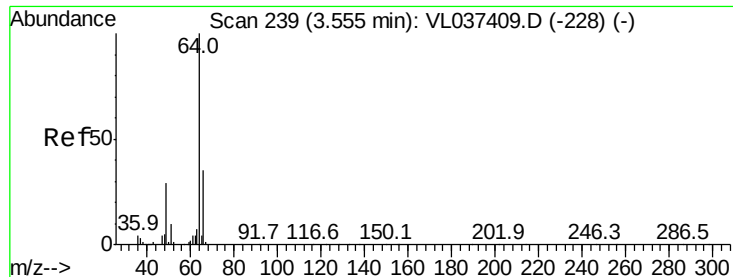
Tgt Ion: 94 Resp: 448452

Ion Ratio Lower Upper

94 100

96 88.4 72.2 108.4





#7

Chloroethane

Concen: 8.834 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

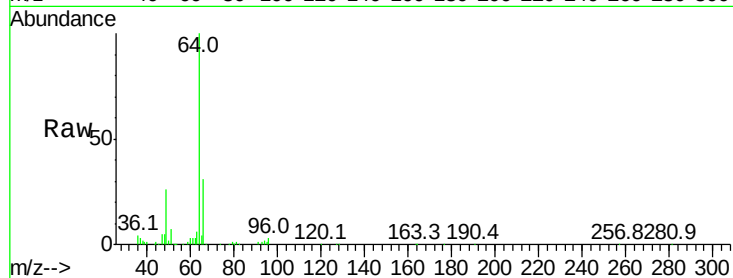
ICVVL081221

Tgt Ion: 64 Resp: 320387

Ion Ratio Lower Upper

64 100

66 31.1 27.8 41.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

150000

100000

50000

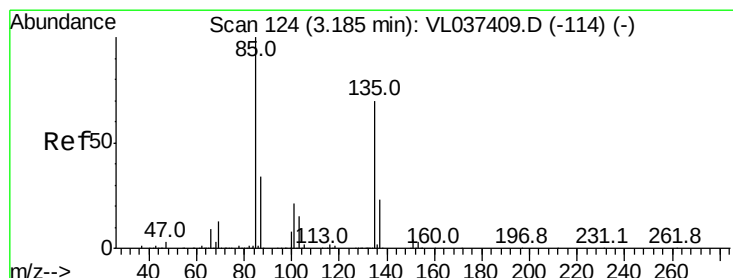
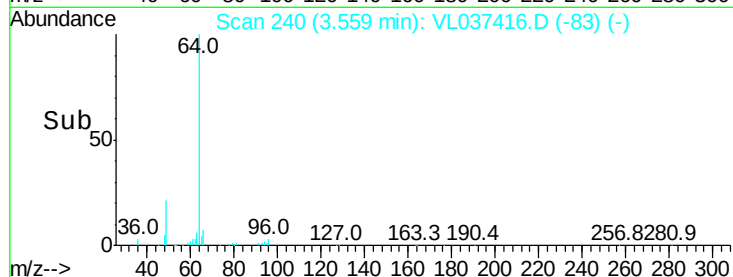
0

Time-->

3.50

3.55

3.60



#8

Dichlorotetrafluoroethane

Concen: 8.824 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037416.D

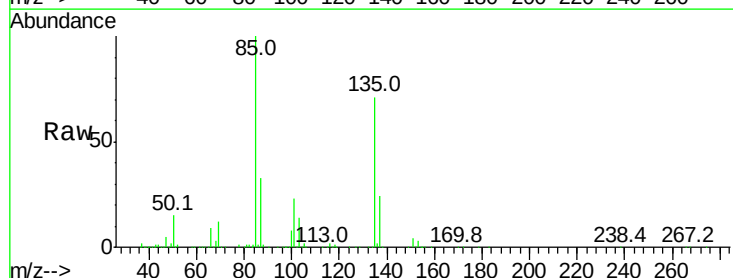
Acq: 12 Aug 2021 15:43

Tgt Ion: 85 Resp: 2124800

Ion Ratio Lower Upper

85 100

135 74.1 58.6 88.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

0

Time-->

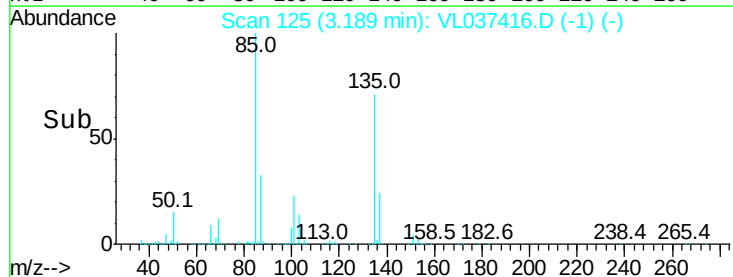
3.10

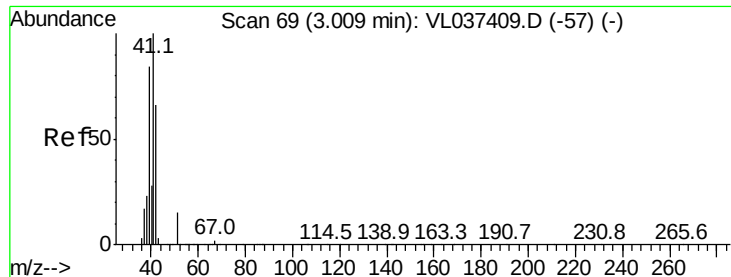
3.15

3.20

3.25

3.30





#9

Propene

Concen: 9.131 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

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ClientSampleId :

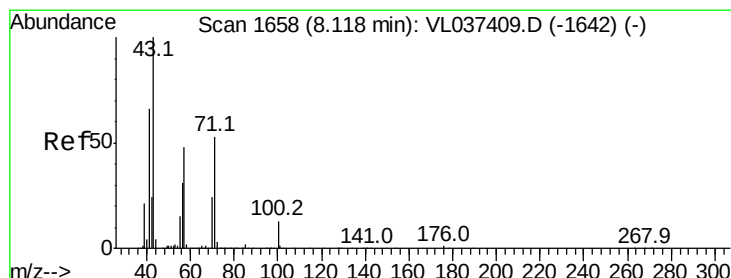
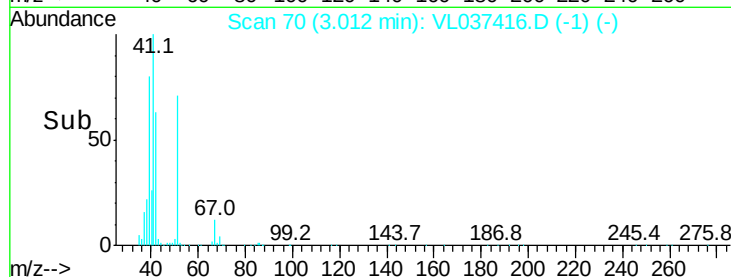
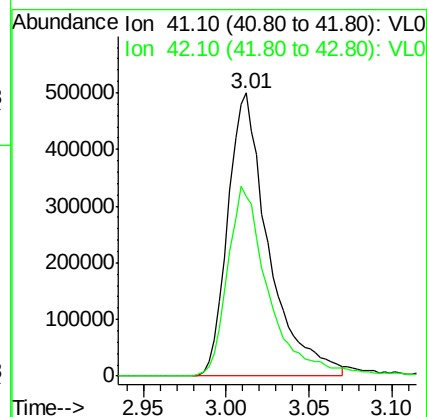
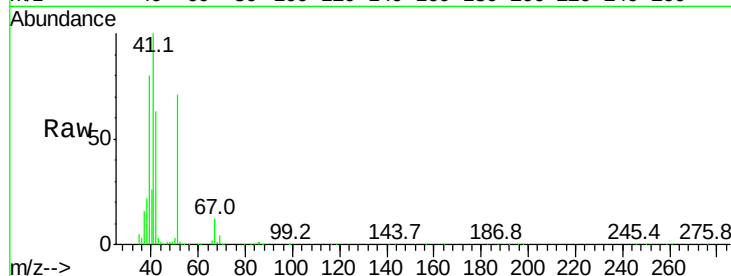
ICVVL081221

Tgt Ion: 41 Resp: 850357

Ion Ratio Lower Upper

41 100

42 68.9 53.8 80.8



#10

Heptane

Concen: 9.405 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL037416.D

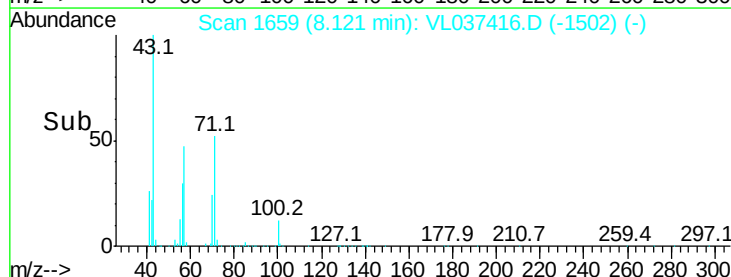
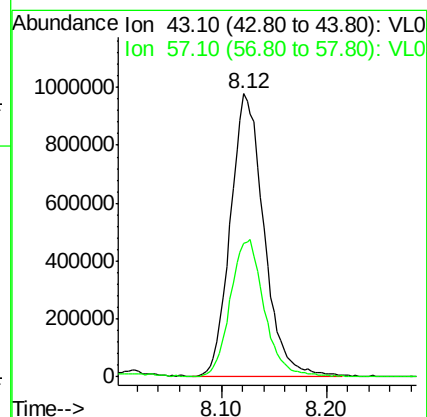
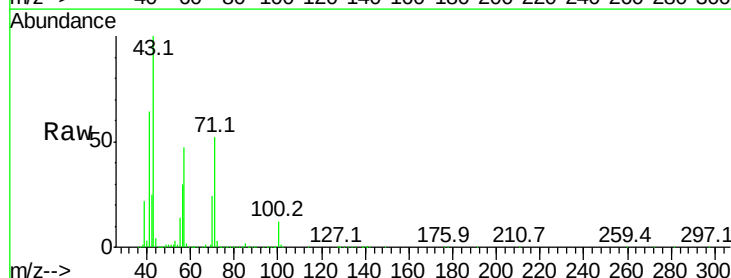
Acq: 12 Aug 2021 15:43

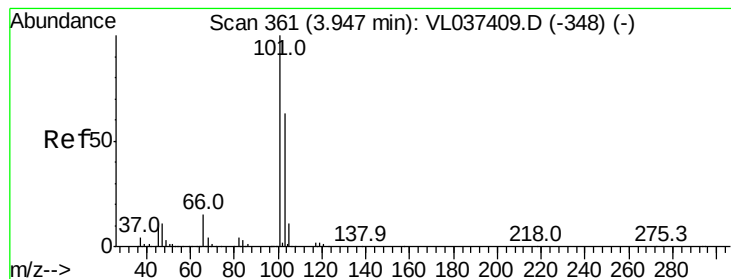
Tgt Ion: 43 Resp: 2129783

Ion Ratio Lower Upper

43 100

57 48.9 40.3 60.5





#11

Trichlorofluoromethane

Concen: 8.693 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

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ClientSampleId :

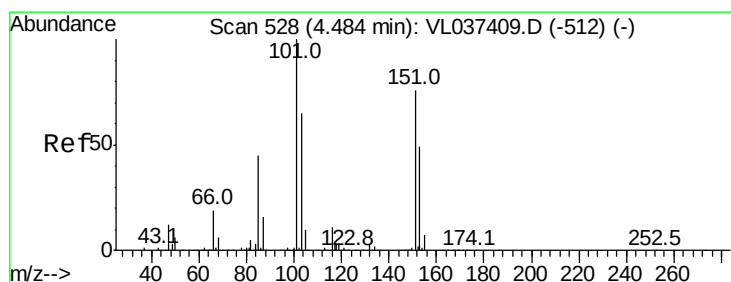
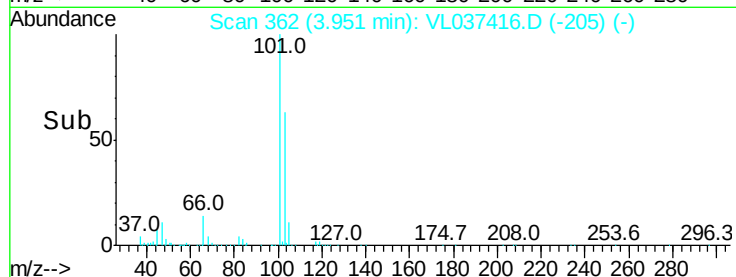
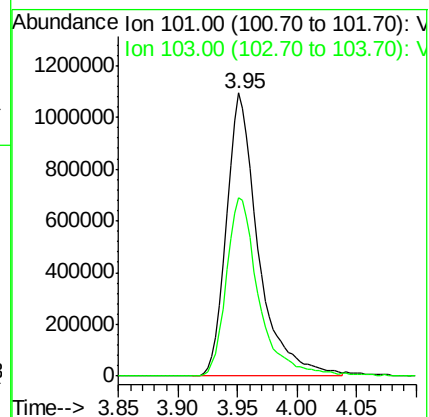
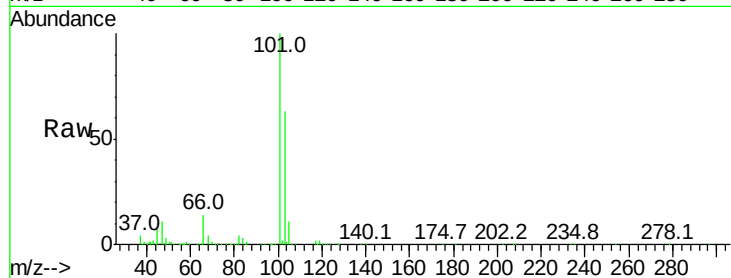
ICVVL081221

Tgt Ion:101 Resp: 2029645

Ion Ratio Lower Upper

101 100

103 62.9 50.2 75.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.950 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL037416.D

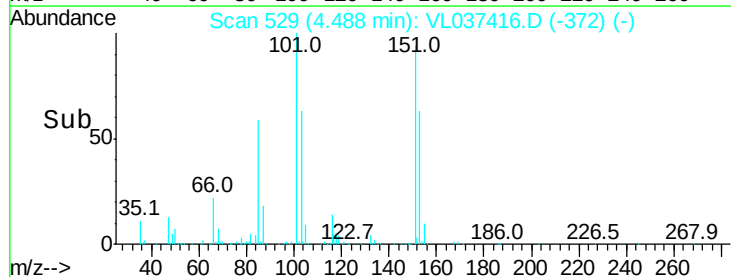
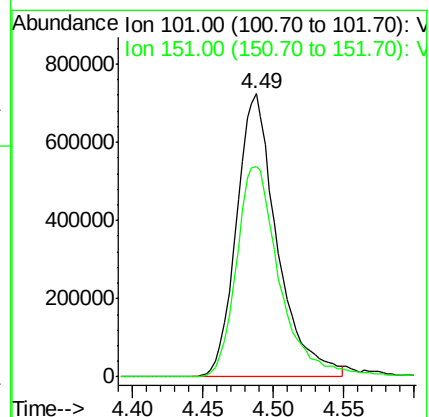
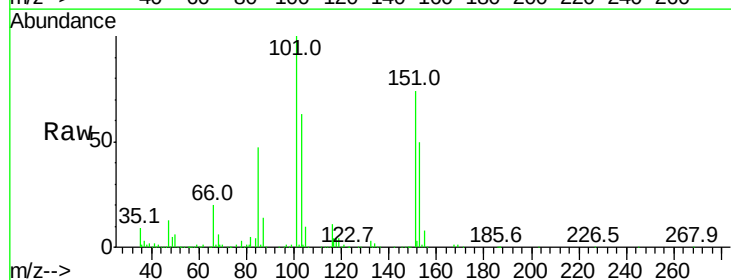
Acq: 12 Aug 2021 15:43

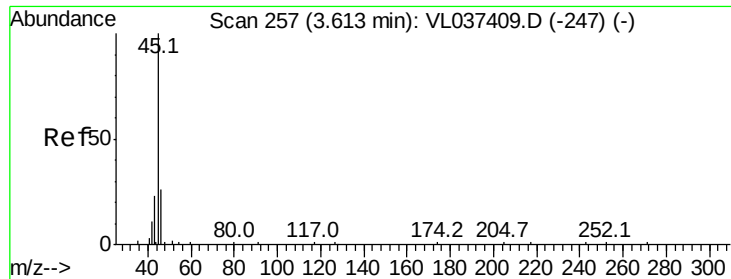
Tgt Ion:101 Resp: 1463767

Ion Ratio Lower Upper

101 100

151 79.4 61.2 91.8

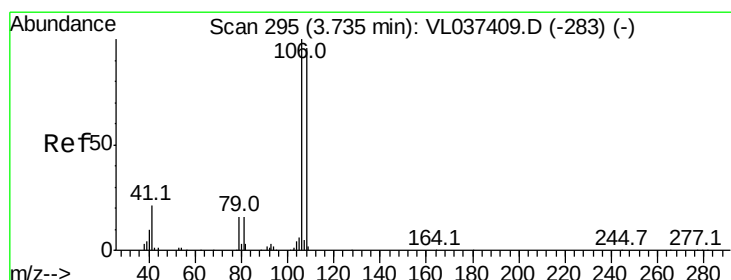
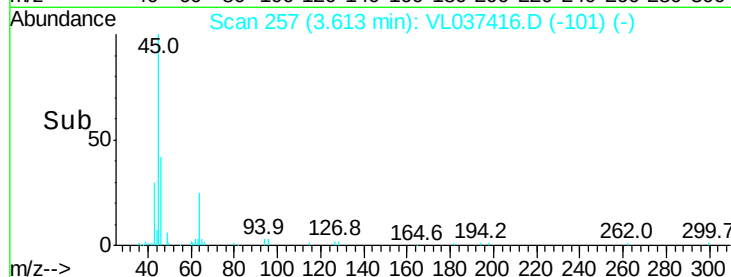
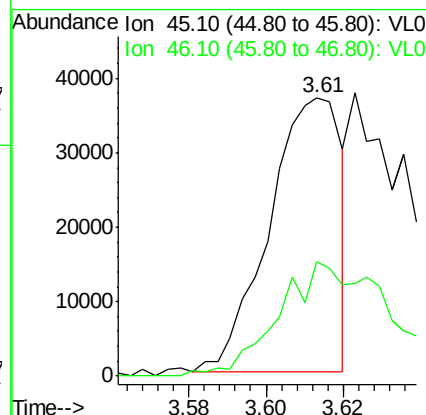
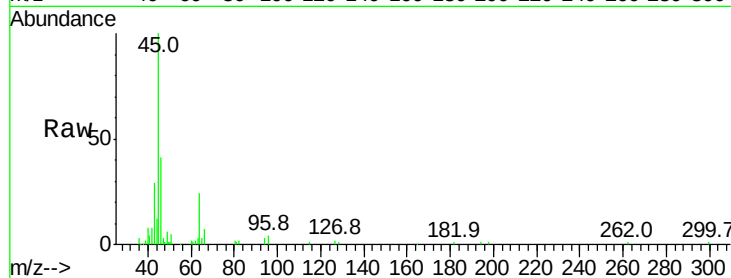




#13
Ethanol
Concen: 4.779 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

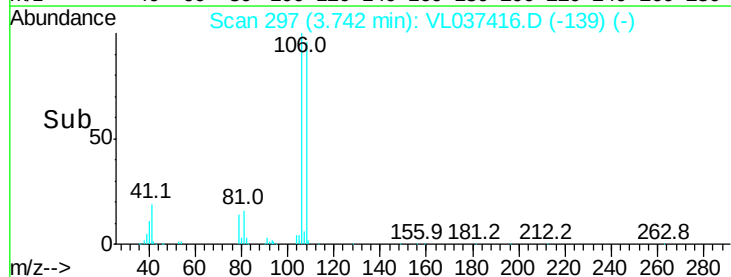
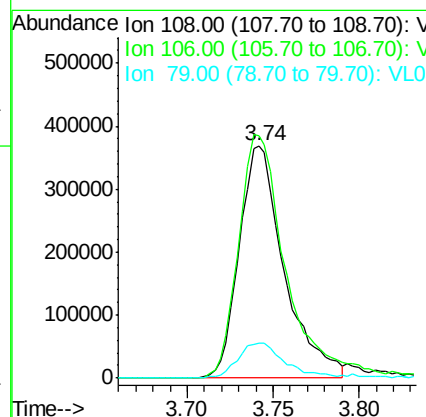
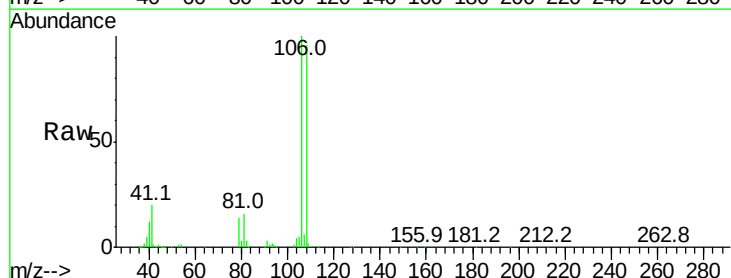
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

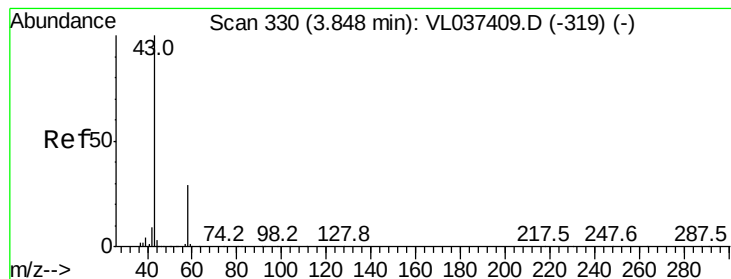
Tgt Ion: 45 Resp: 47495
Ion Ratio Lower Upper
45 100
46 89.1 18.0 72.2#



#14
Bromoethene
Concen: 9.174 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion: 108 Resp: 667428
Ion Ratio Lower Upper
108 100
106 113.6 87.5 131.3
79 16.9 13.5 20.3





#15

Acetone

Concen: 7.669 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

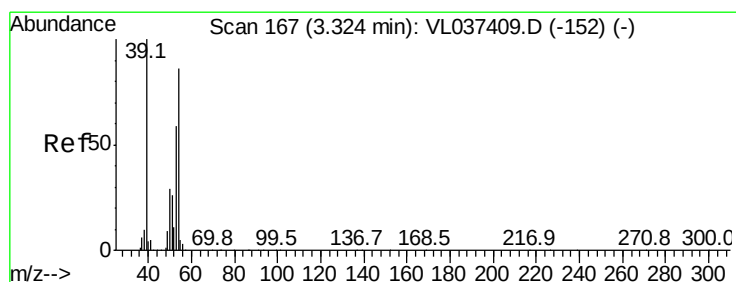
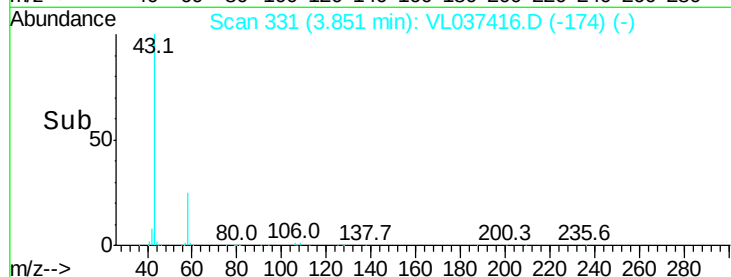
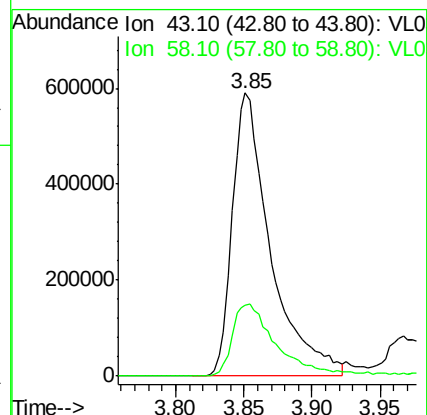
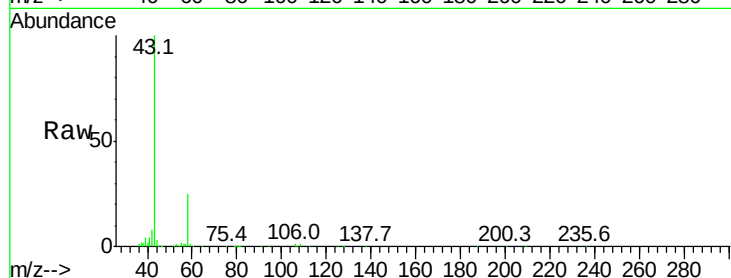
ICVVL081221

Tgt Ion: 43 Resp: 1148658

Ion Ratio Lower Upper

43 100

58 30.0 24.4 36.6



#16

1,3-Butadiene

Concen: 8.834 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL037416.D

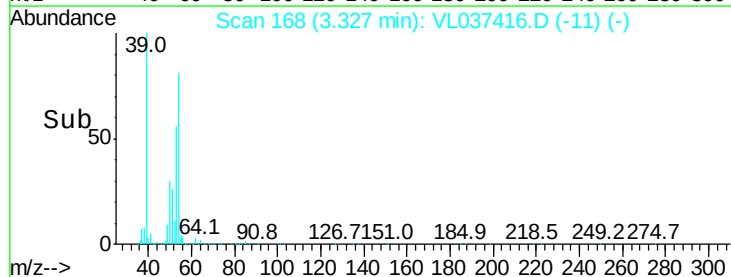
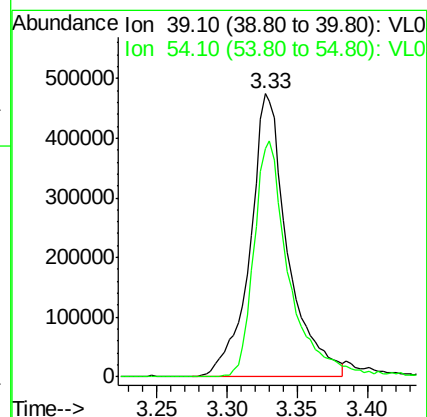
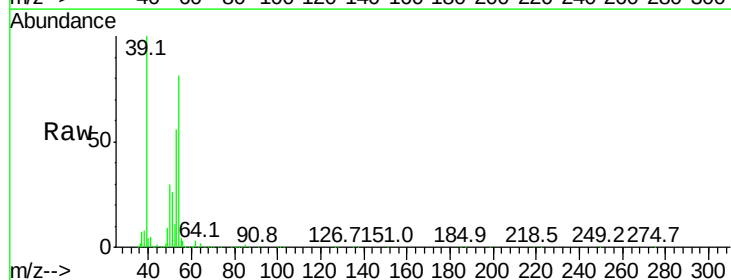
Acq: 12 Aug 2021 15:43

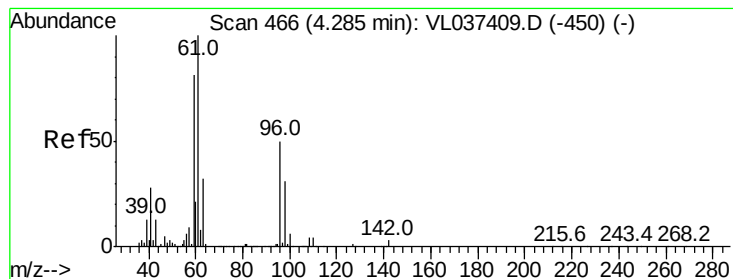
Tgt Ion: 39 Resp: 888007

Ion Ratio Lower Upper

39 100

54 79.4 61.4 92.0





#17

tert-Butyl alcohol

Concen: 9.632 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

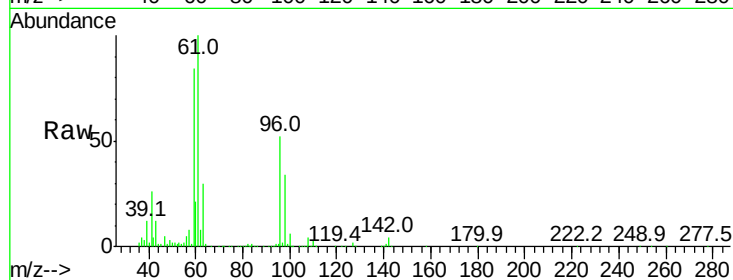
ICVVL081221

Tgt Ion: 59 Resp: 1376953

Ion Ratio Lower Upper

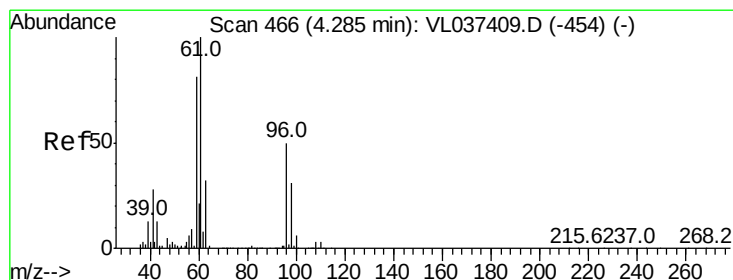
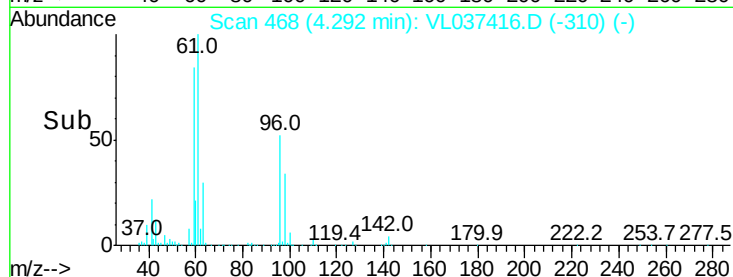
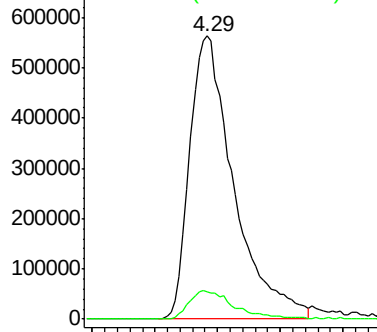
59 100

57 10.4 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.030 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

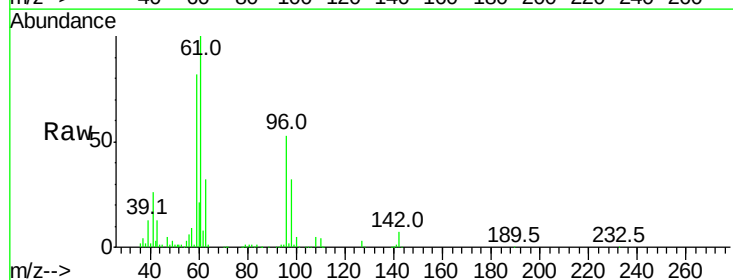
Tgt Ion: 96 Resp: 685689

Ion Ratio Lower Upper

96 100

61 189.5 159.0 238.4

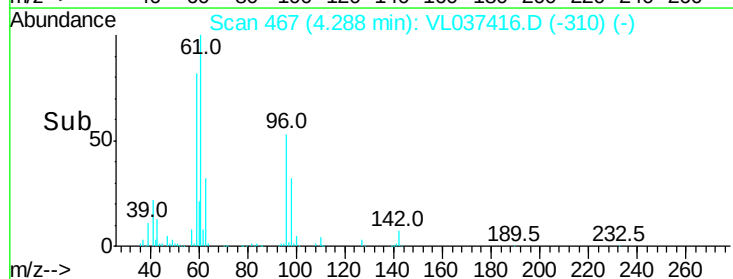
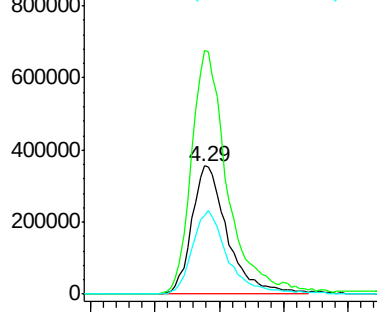
98 61.1 49.4 74.2

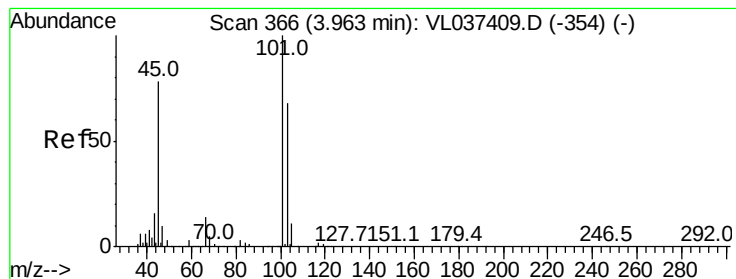


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.882 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

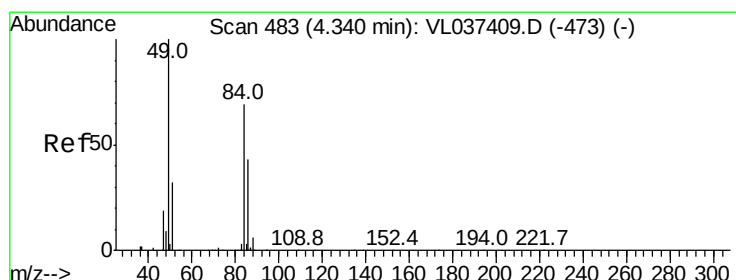
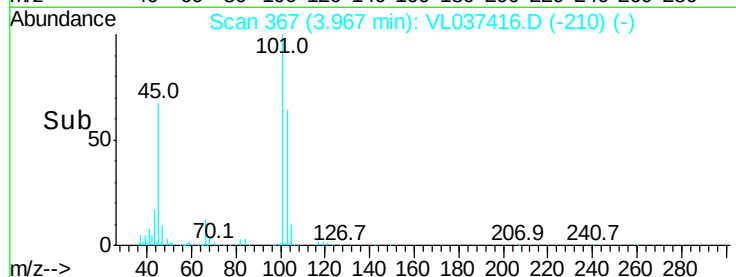
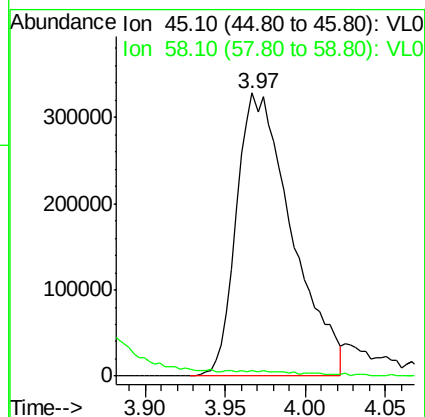
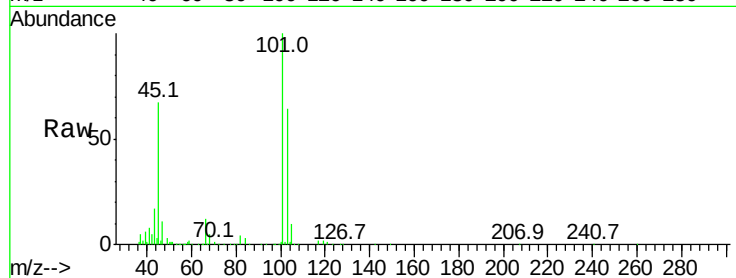
ICVVL081221

Tgt Ion: 45 Resp: 774240

Ion Ratio Lower Upper

45 100

58 44.6 2.2 3.4#



#20

Methylene Chloride

Concen: 7.690 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Tgt Ion: 84 Resp: 609010

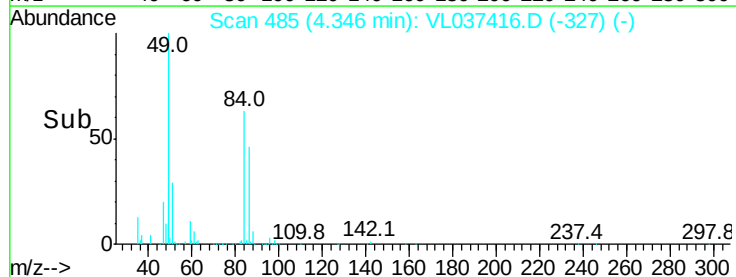
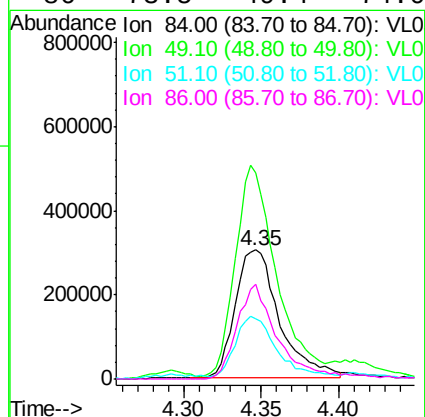
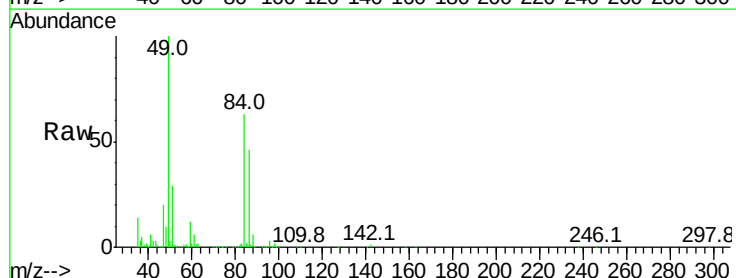
Ion Ratio Lower Upper

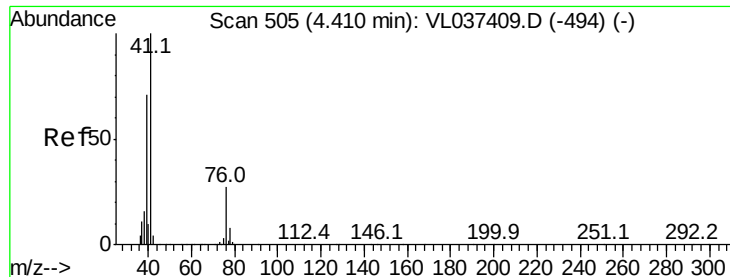
84 100

49 156.6 116.0 174.0

51 43.9 37.1 55.7

86 73.5 49.4 74.0

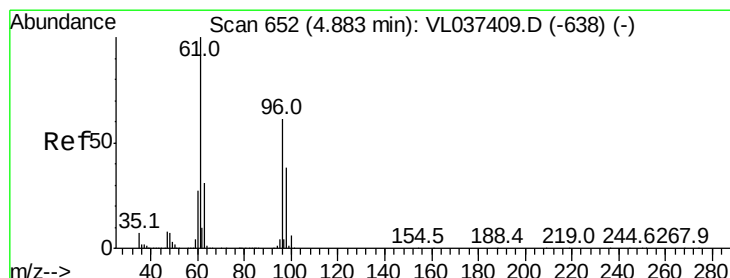
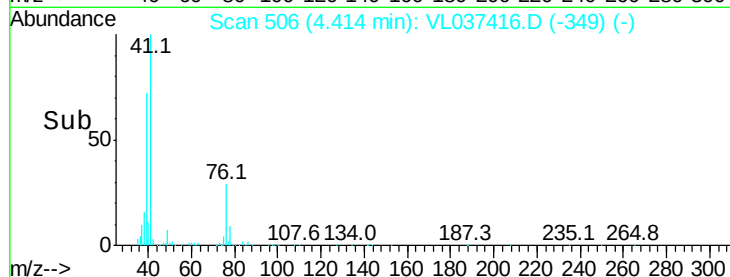
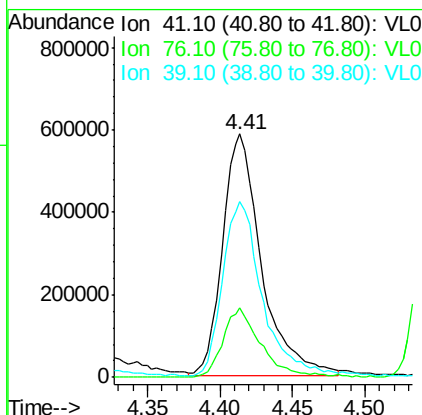
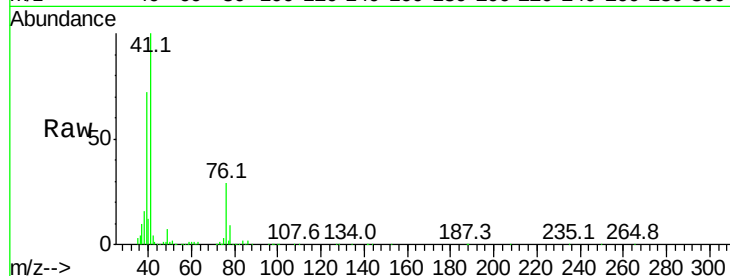




#21
 Allyl Chloride
 Concen: 9.313 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

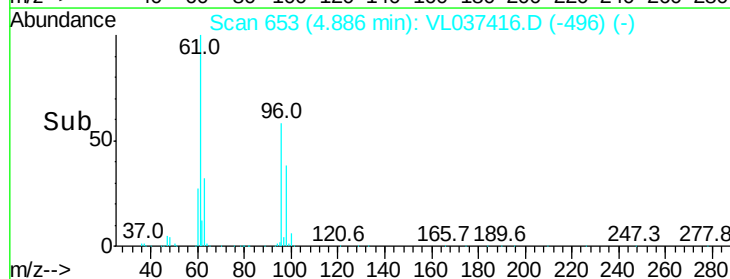
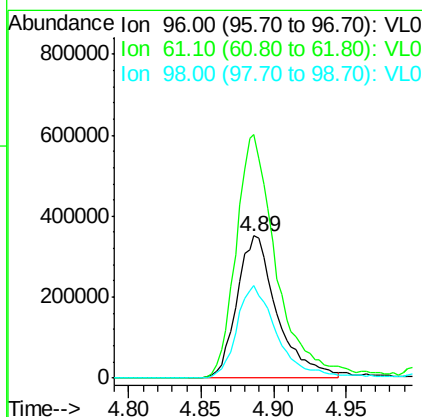
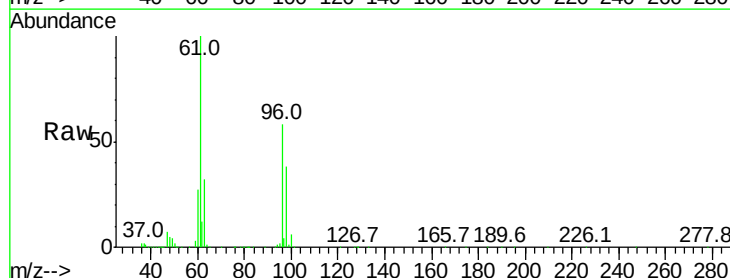
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081221

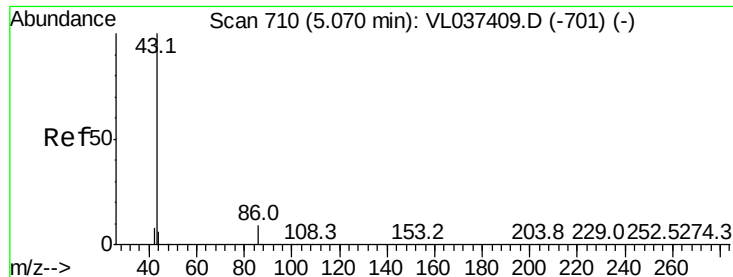
Tgt Ion: 41 Resp: 1092983
 Ion Ratio Lower Upper
 41 100
 76 28.4 23.7 35.5
 39 75.0 62.3 93.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.477 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

Tgt Ion: 96 Resp: 675048
 Ion Ratio Lower Upper
 96 100
 61 171.4 131.0 196.4
 98 65.0 50.2 75.4





#23

Vinyl Acetate

Concen: 8.792 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

Tgt Ion: 43 Resp: 2020515

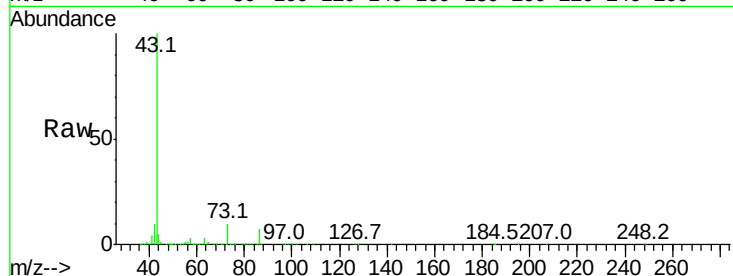
Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.8

42 9.5 7.7 11.5

44 4.8 4.0 6.0

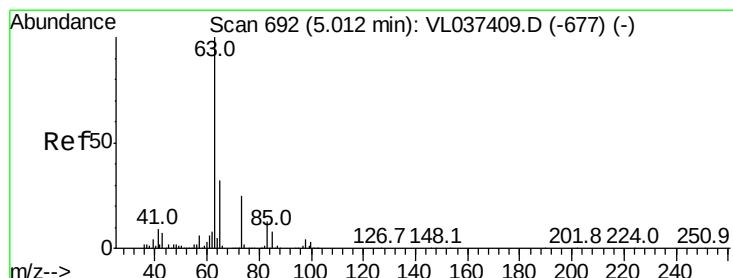
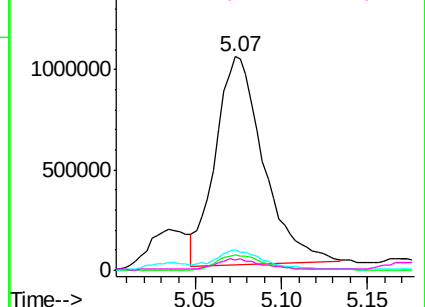
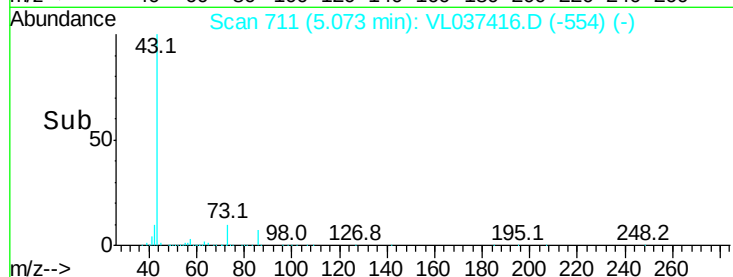


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.138 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

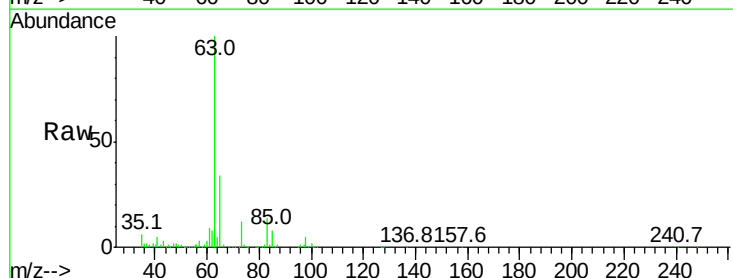
Tgt Ion: 63 Resp: 1452583

Ion Ratio Lower Upper

63 100

98 5.2 2.1 6.3

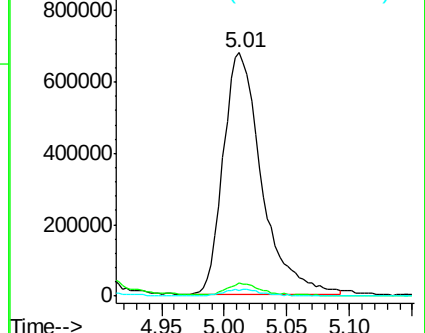
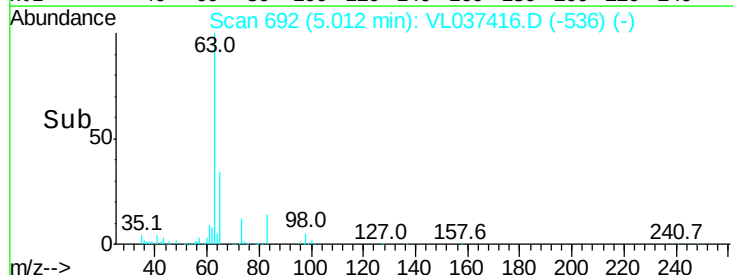
100 2.4 1.6 4.7

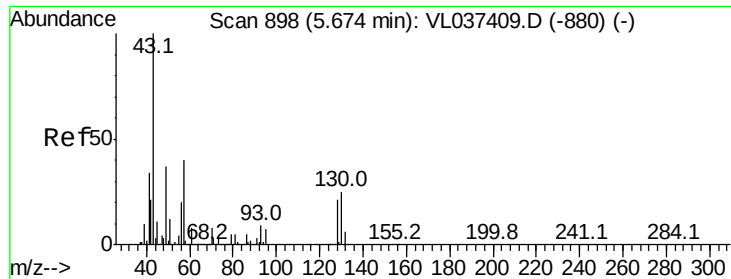


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



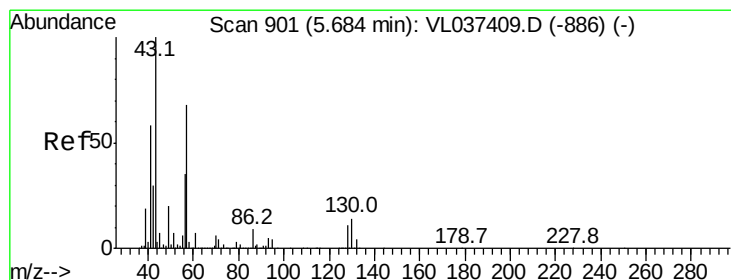
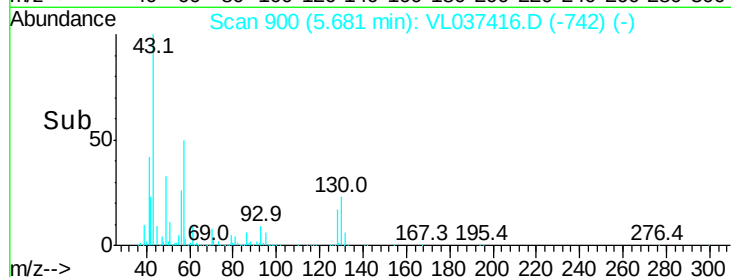
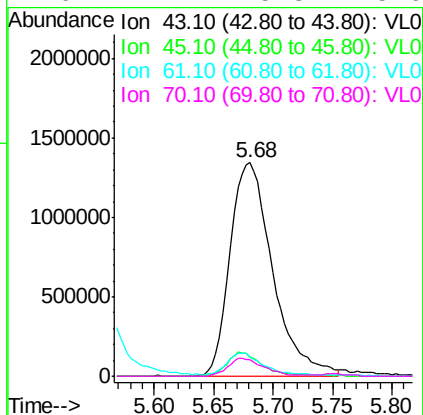
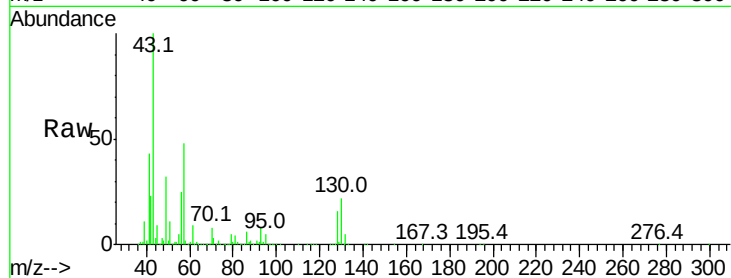


#25
Ethyl Acetate
Concen: 9.332 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

Tgt Ion: 43 Resp: 3331006

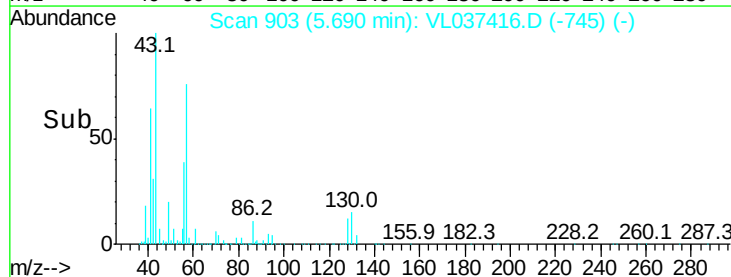
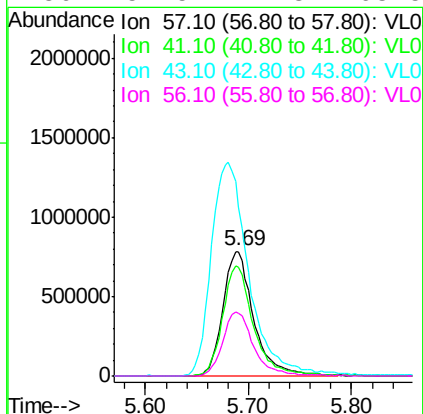
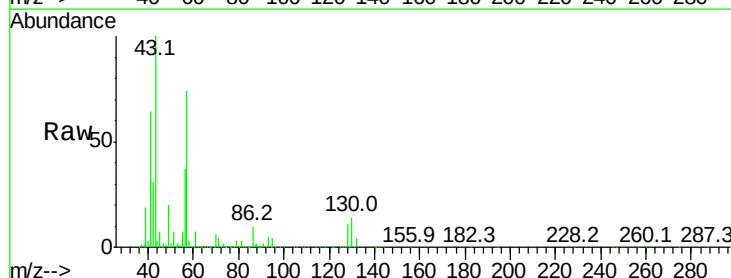
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	10.2	7.7	11.5
70	7.2	5.8	8.6

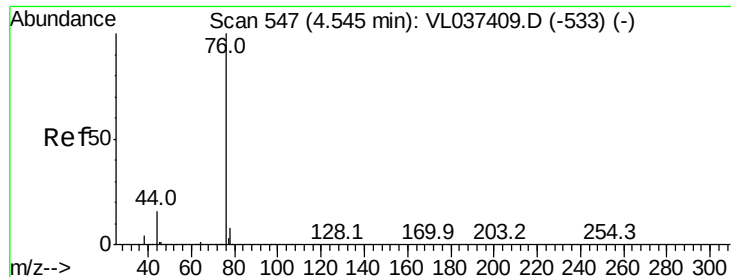


#26
Hexane
Concen: 8.863 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion: 57 Resp: 1632722

Ion	Ratio	Lower	Upper
57	100		
41	89.3	72.5	108.7
43	209.2	169.3	253.9
56	52.5	42.3	63.5





#27

Carbon Disulfide

Concen: 10.657 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

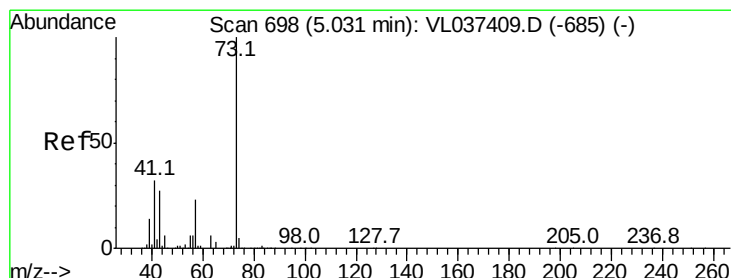
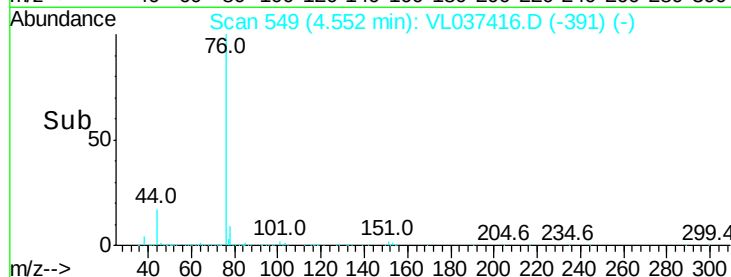
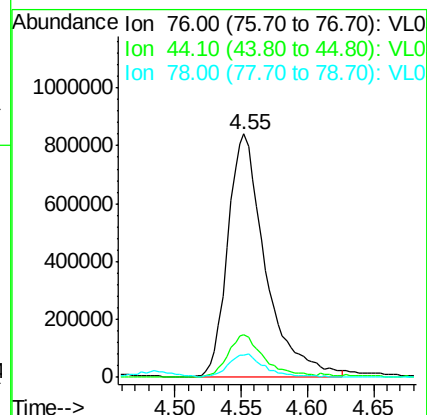
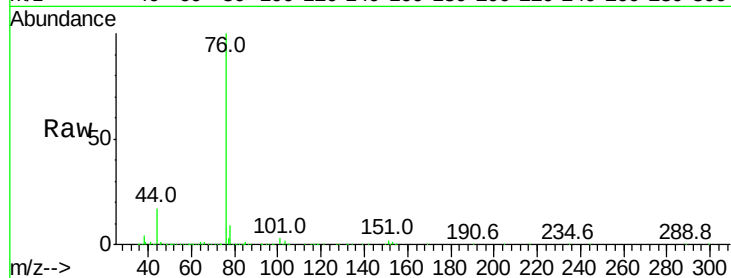
Tgt Ion: 76 Resp: 1655012

Ion Ratio Lower Upper

76 100

44 18.0 14.4 21.6

78 9.5 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 8.674 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL037416.D

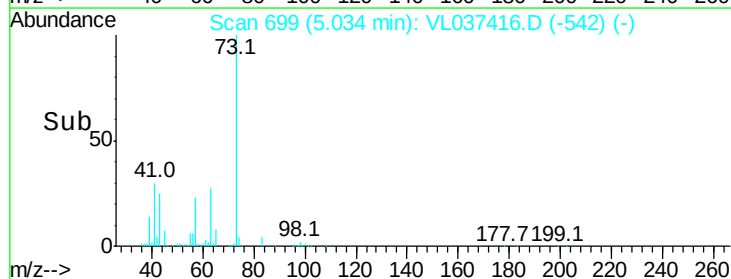
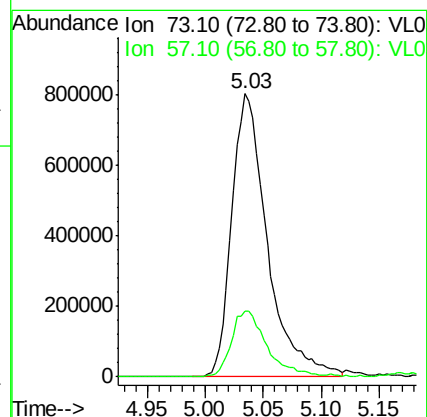
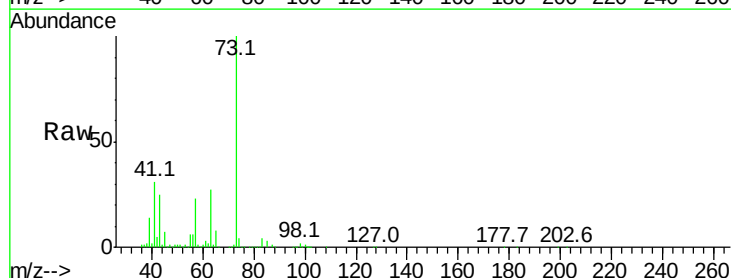
Acq: 12 Aug 2021 15:43

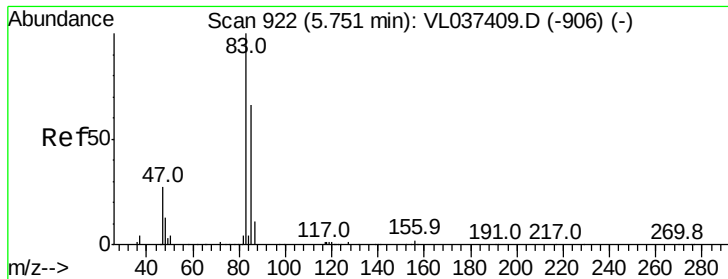
Tgt Ion: 73 Resp: 1709928

Ion Ratio Lower Upper

73 100

57 23.7 19.0 28.4

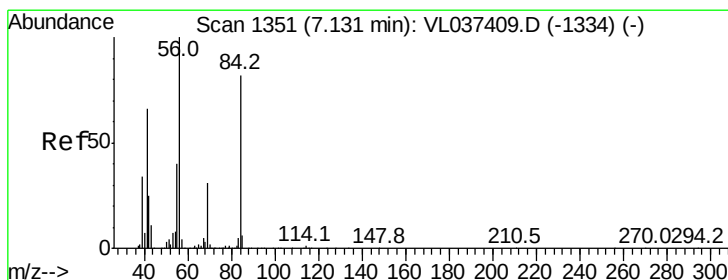
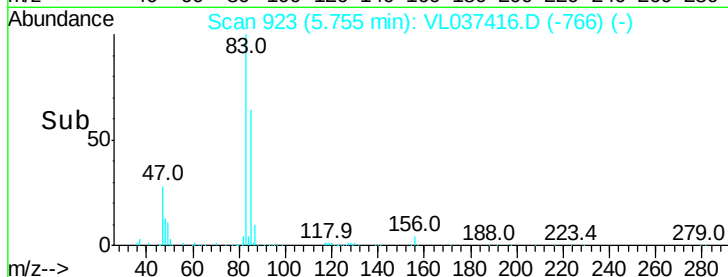
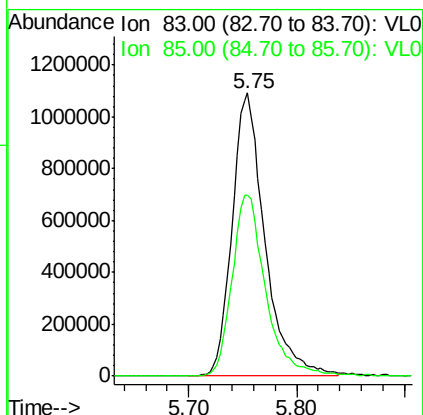
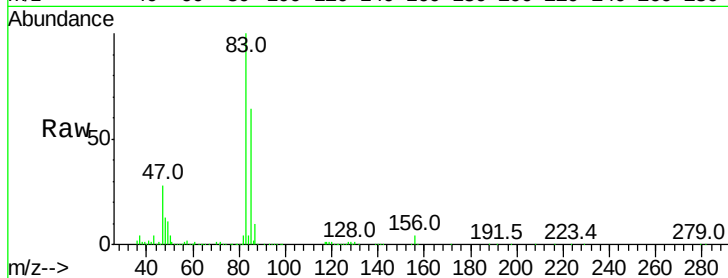




#29
Chloroform
Concen: 8.904 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

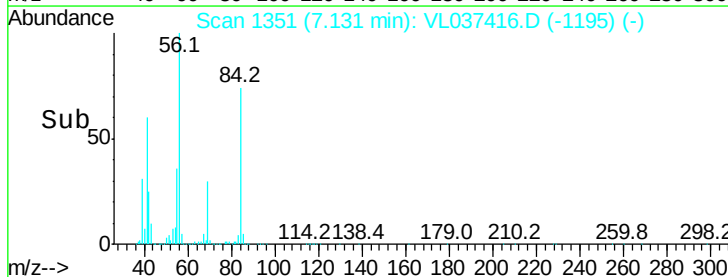
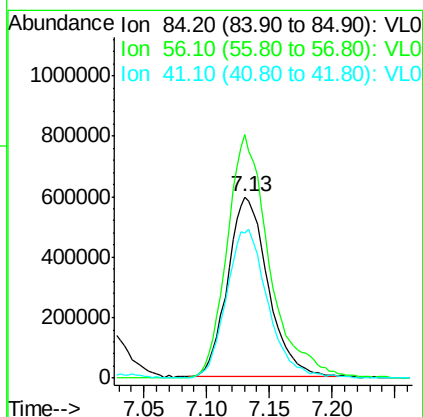
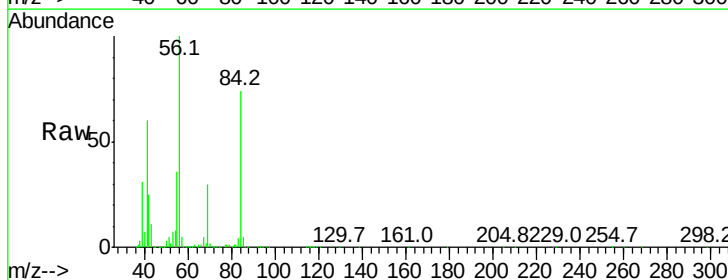
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

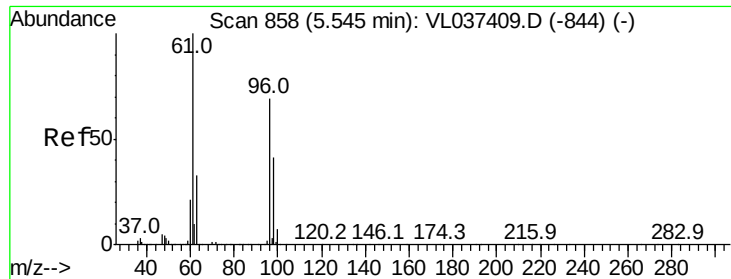
Tgt Ion: 83 Resp: 2309143
Ion Ratio Lower Upper
83 100
85 63.5 52.4 78.6



#30
Cyclohexane
Concen: 8.772 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion: 84 Resp: 1330687
Ion Ratio Lower Upper
84 100
56 143.2 109.6 164.4
41 84.6 66.6 99.8

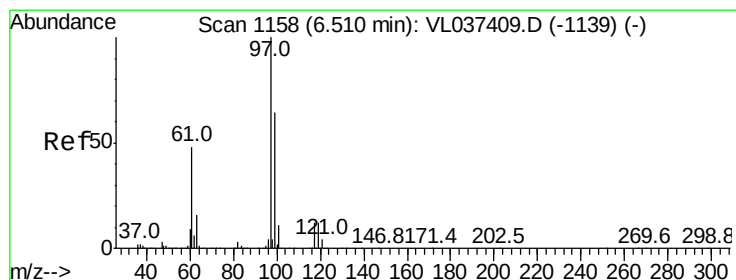
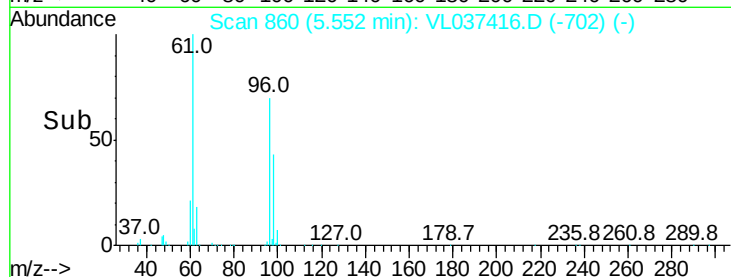
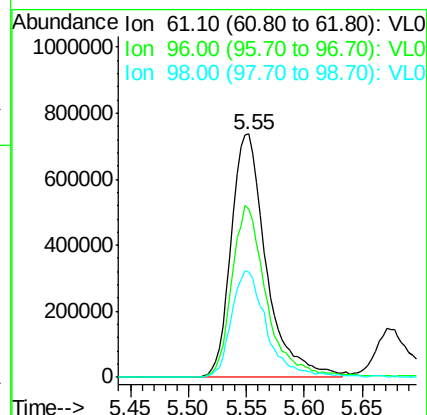
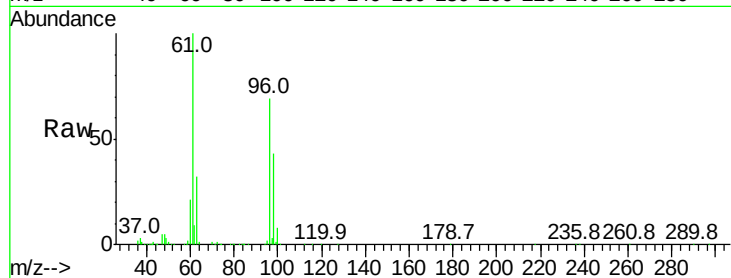




#31
 cis-1,2-Dichloroethene
 Concen: 9.673 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

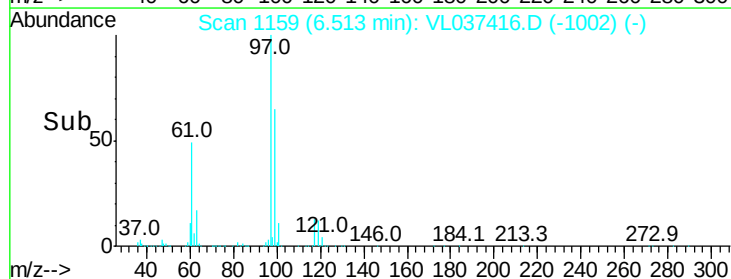
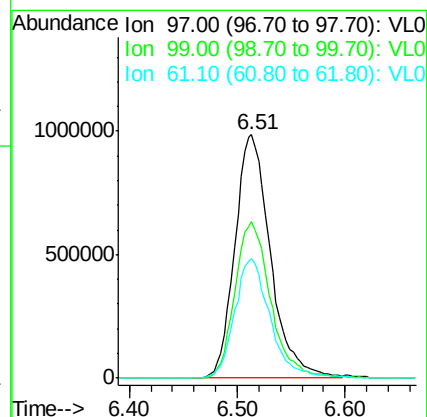
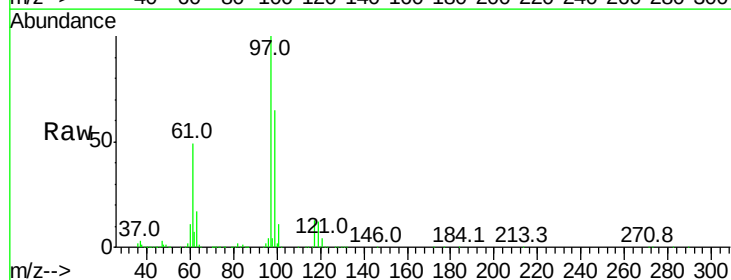
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081221

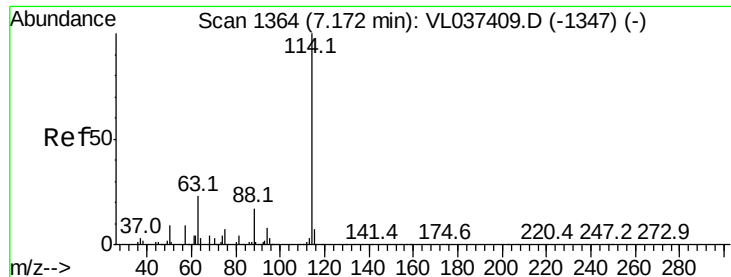
Tgt Ion: 61 Resp: 1540247
 Ion Ratio Lower Upper
 61 100
 96 69.0 55.5 83.3
 98 43.3 33.1 49.7



#32
 1,1,1-Trichloroethane
 Concen: 8.647 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

Tgt Ion: 97 Resp: 2263143
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.3 78.5
 61 49.5 40.1 60.1

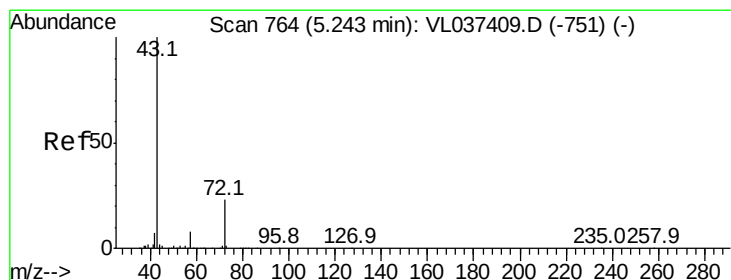
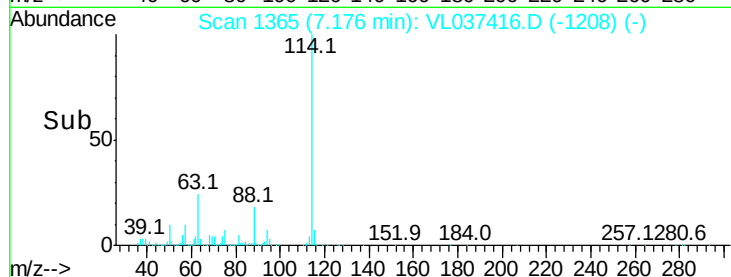
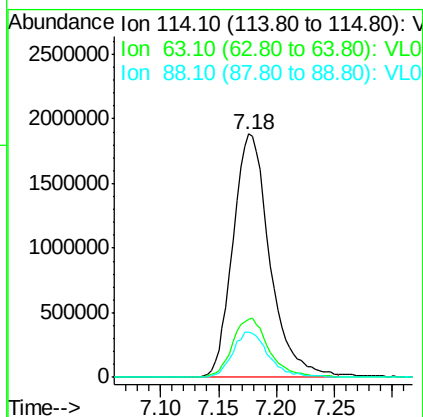
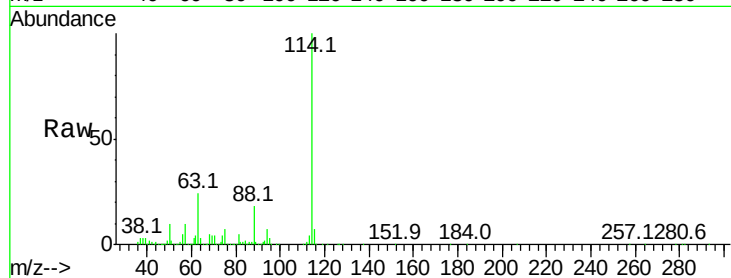




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

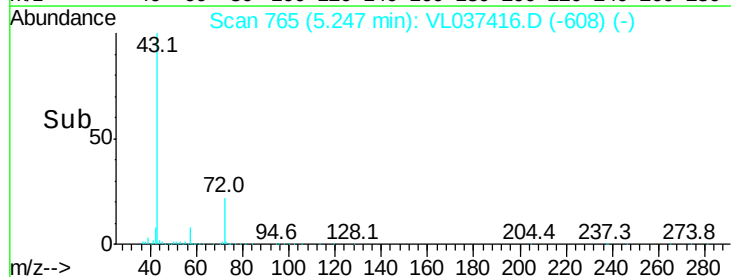
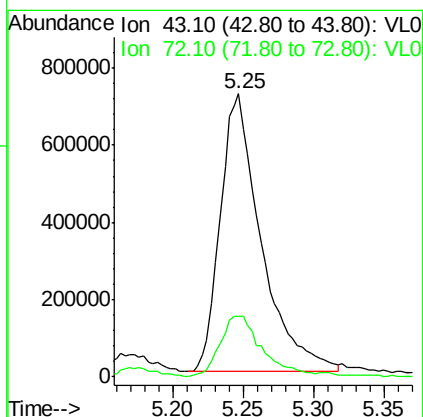
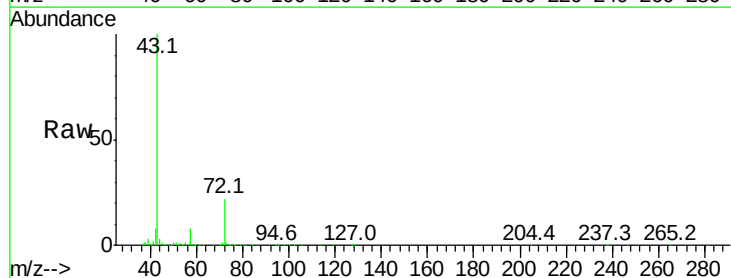
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081221

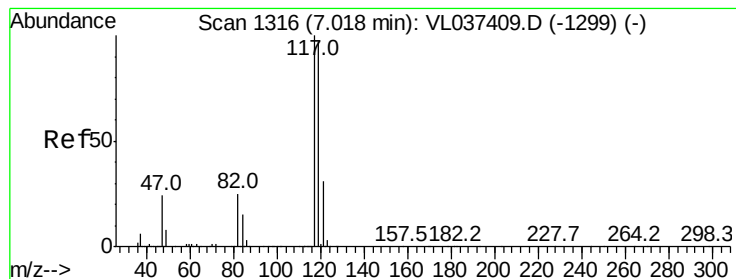
Tgt Ion:114 Resp: 4148551
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.4 29.2
 88 18.5 14.2 21.4



#34
 2-Butanone
 Concen: 8.498 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

Tgt Ion: 43 Resp: 1455446
 Ion Ratio Lower Upper
 43 100
 72 23.5 17.7 26.5





#35

Carbon Tetrachloride

Concen: 9.139 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

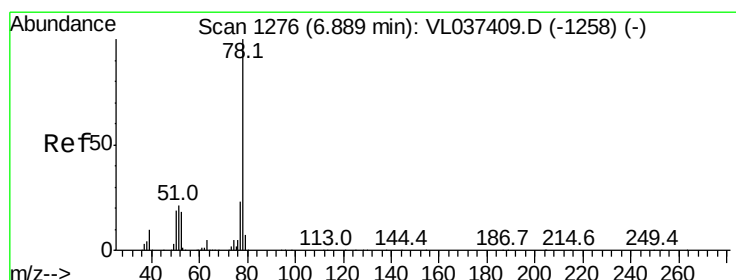
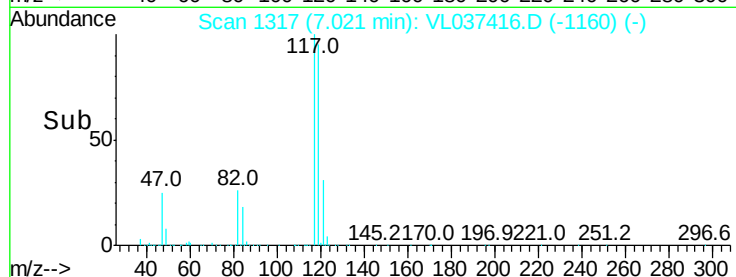
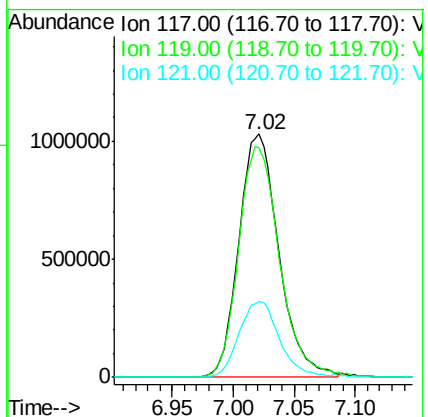
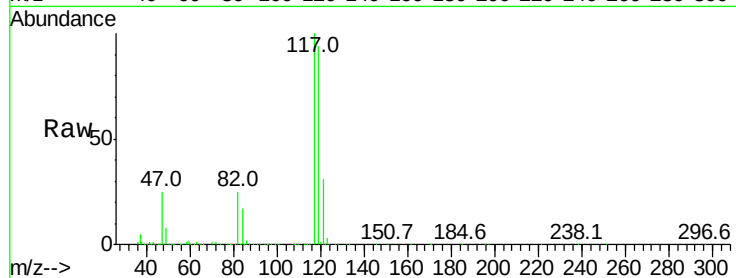
Tgt Ion: 117 Resp: 2337882

Ion Ratio Lower Upper

117 100

119 94.5 77.5 116.3

121 30.9 24.7 37.1



#36

Benzene

Concen: 9.403 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

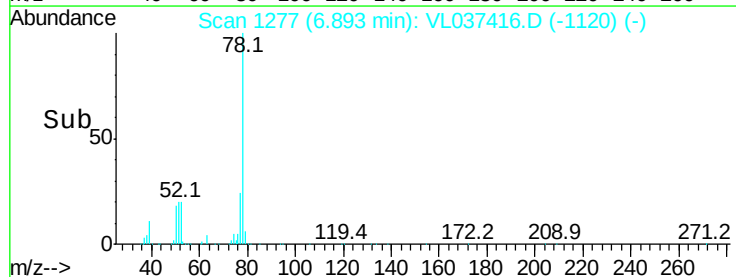
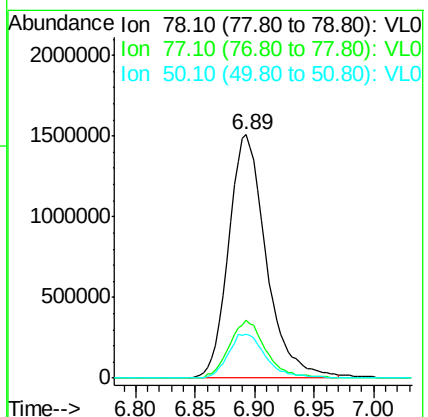
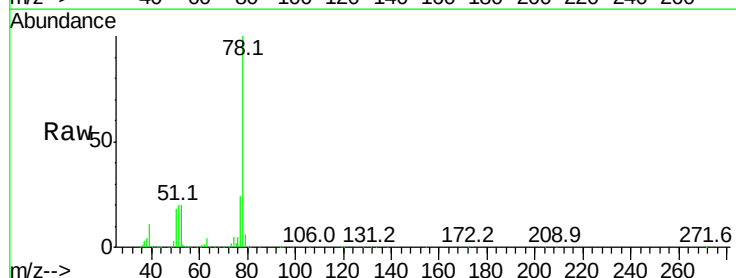
Tgt Ion: 78 Resp: 3289369

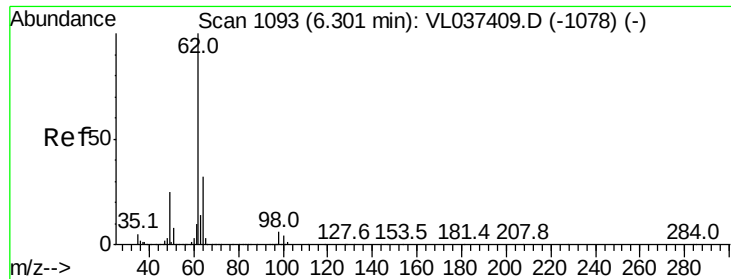
Ion Ratio Lower Upper

78 100

77 23.5 18.6 27.8

50 17.8 14.9 22.3

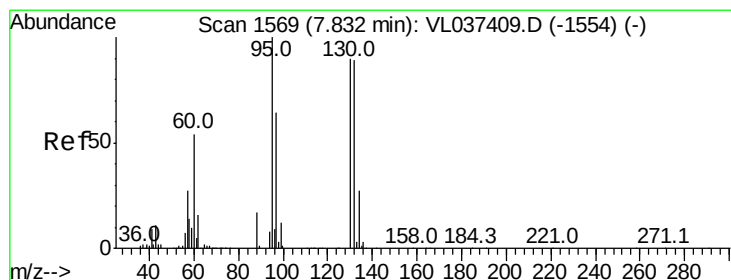
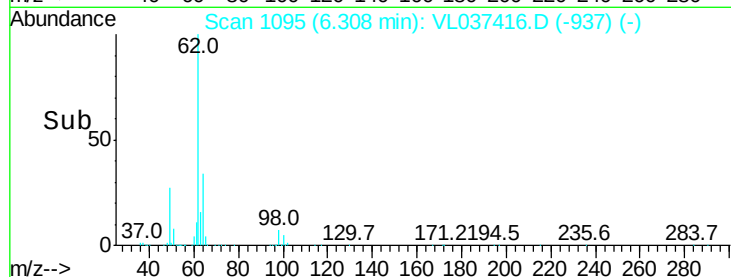
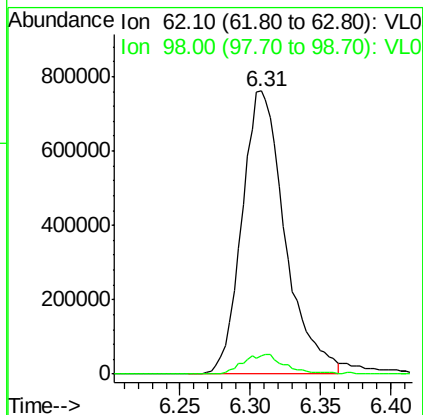
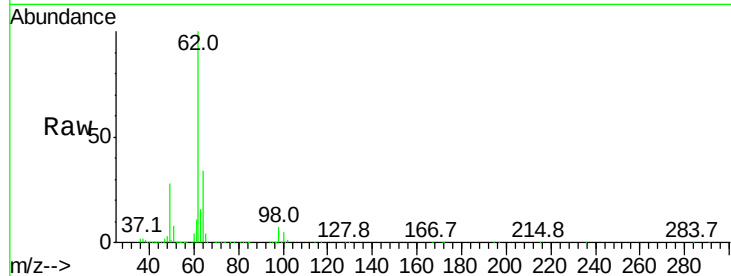




#37
 1,2-Dichloroethane
 Concen: 9.127 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

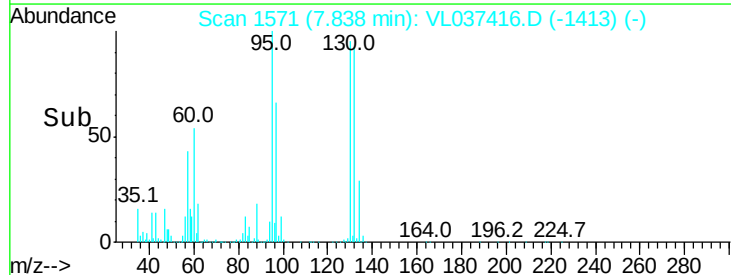
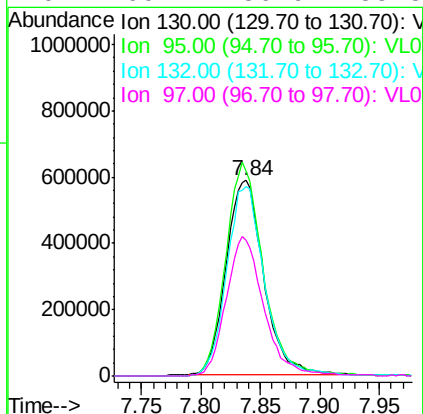
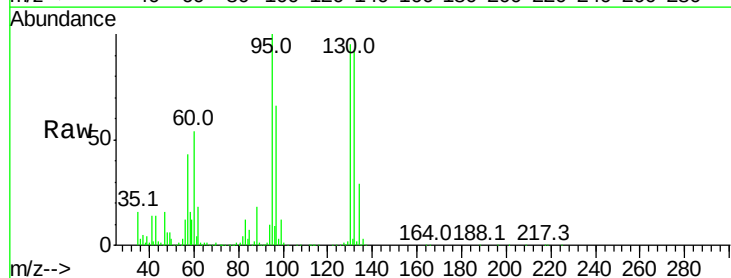
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081221

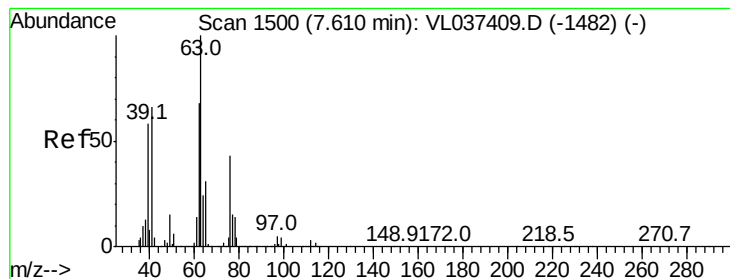
Tgt Ion: 62 Resp: 1629272
 Ion Ratio Lower Upper
 62 100
 98 7.2 5.4 8.2



#38
 Trichloroethene
 Concen: 8.327 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

Tgt Ion: 130 Resp: 1285749
 Ion Ratio Lower Upper
 130 100
 95 105.2 88.6 132.8
 132 97.3 79.2 118.8
 97 69.7 56.9 85.3





#39

1,2-Dichloropropane

Concen: 9.494 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

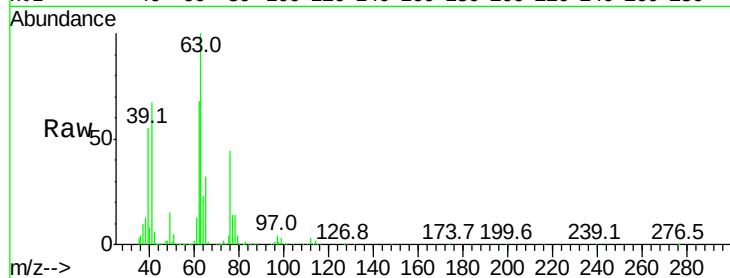
Tgt Ion: 63 Resp: 1265192

Ion Ratio Lower Upper

63 100

41 66.9 53.0 79.6

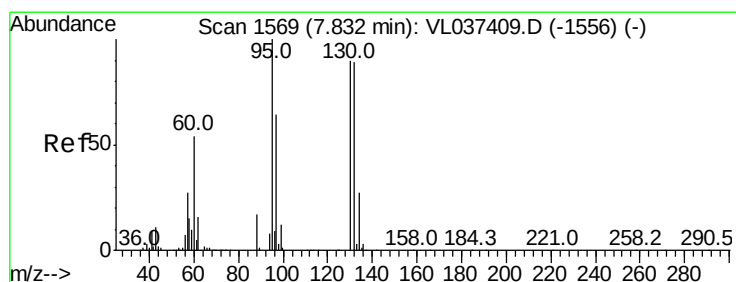
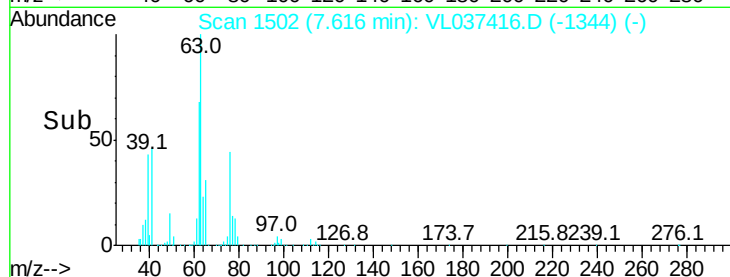
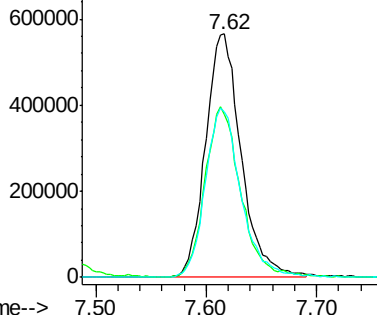
62 68.1 54.5 81.7



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: 8.755 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Tgt Ion: 88 Resp: 283902

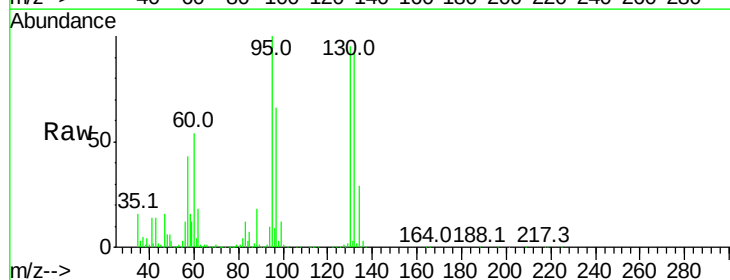
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

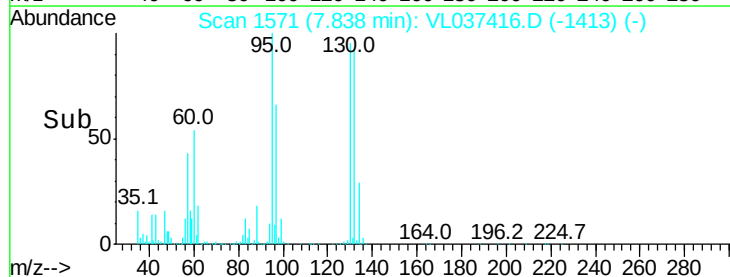
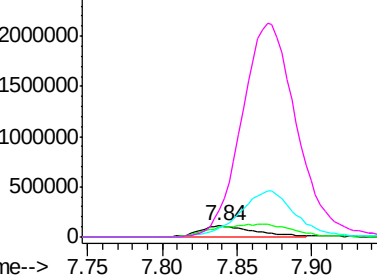


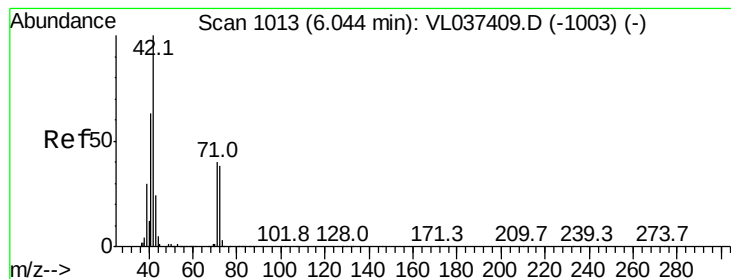
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.643 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

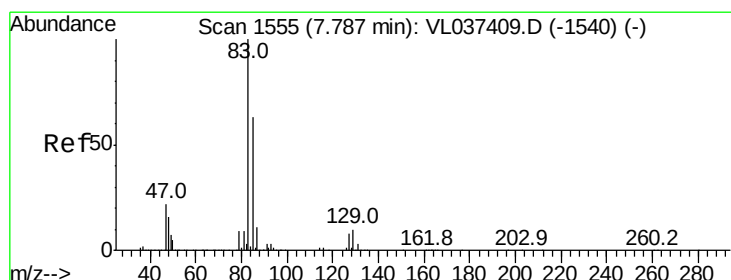
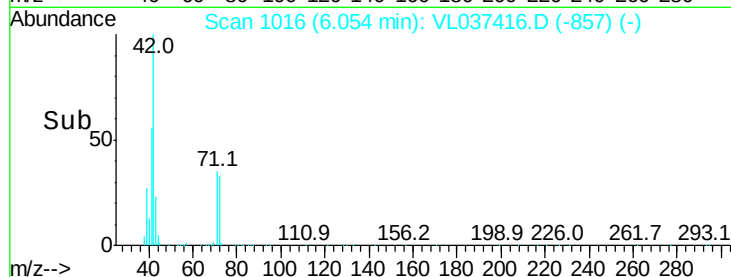
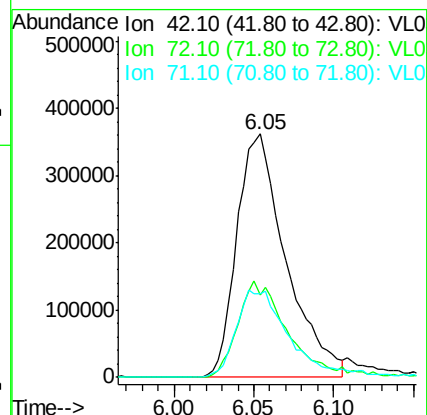
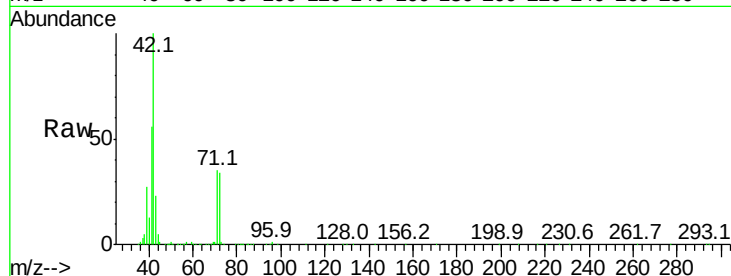
Tgt Ion: 42 Resp: 758492

Ion Ratio Lower Upper

42 100

72 41.7 33.5 50.3

71 40.0 32.6 48.8



#42

Bromodichloromethane

Concen: 9.919 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

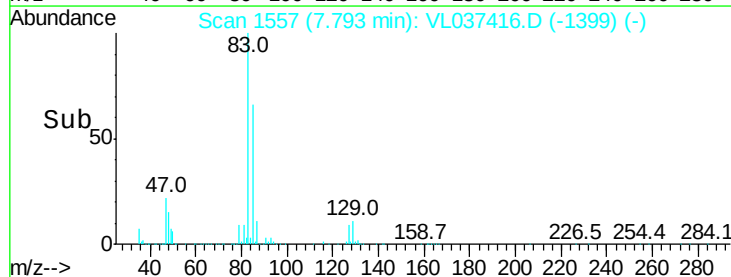
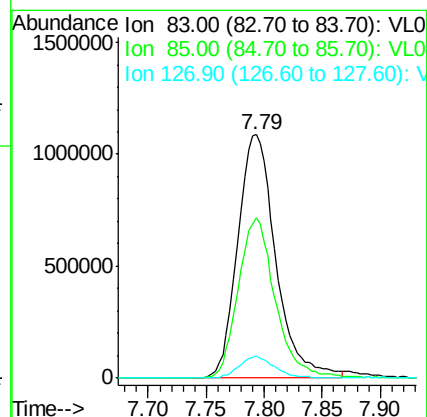
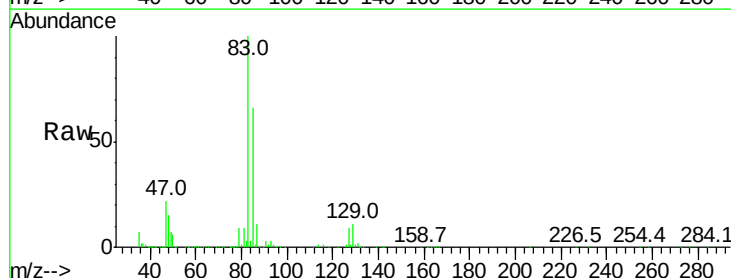
Tgt Ion: 83 Resp: 2479606

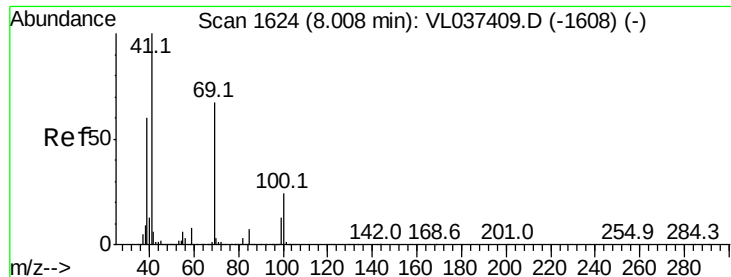
Ion Ratio Lower Upper

83 100

85 65.8 50.2 75.2

127 8.8 6.6 9.8

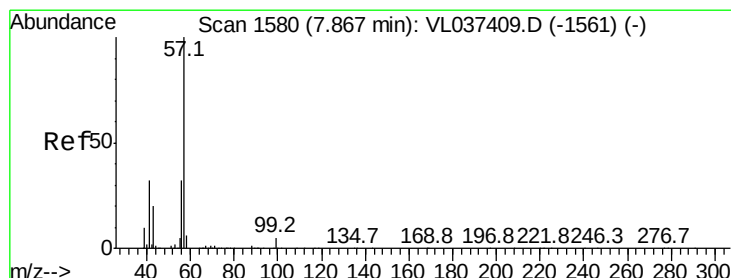
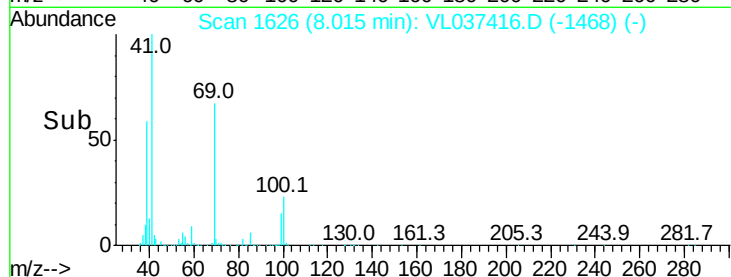
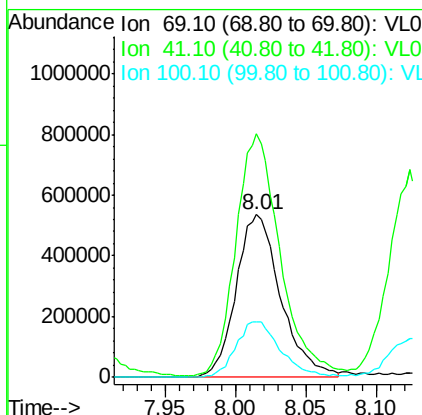
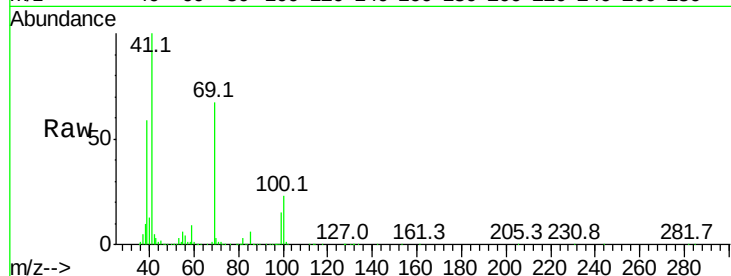




#43
Methyl Methacrylate
Concen: 10.015 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.01 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

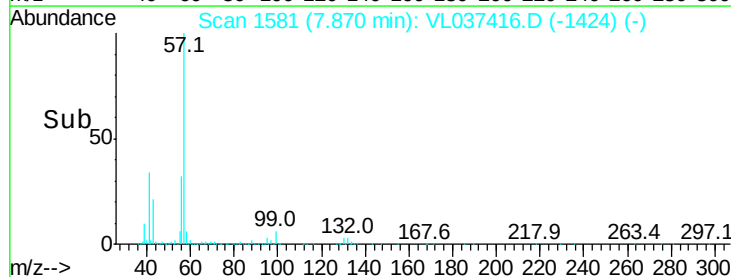
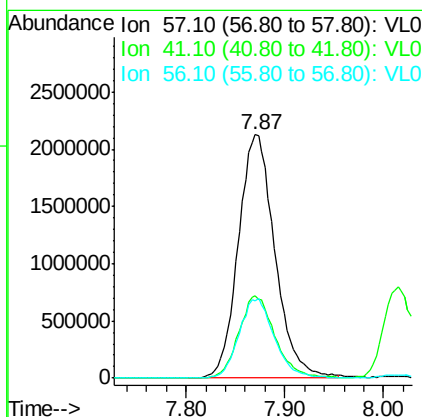
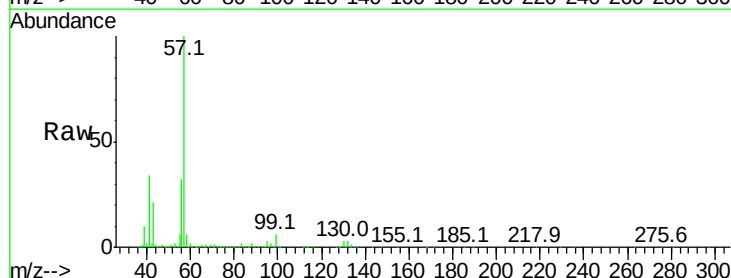
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

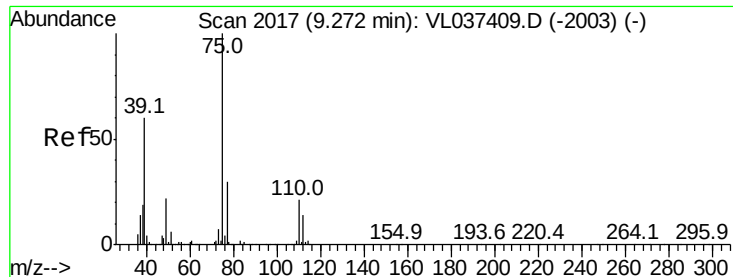
Tgt Ion: 69 Resp: 1187329
Ion Ratio Lower Upper
69 100
41 148.2 118.1 177.1
100 34.4 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.354 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion: 57 Resp: 5470834
Ion Ratio Lower Upper
57 100
41 33.4 26.4 39.6
56 31.7 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 9.126 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

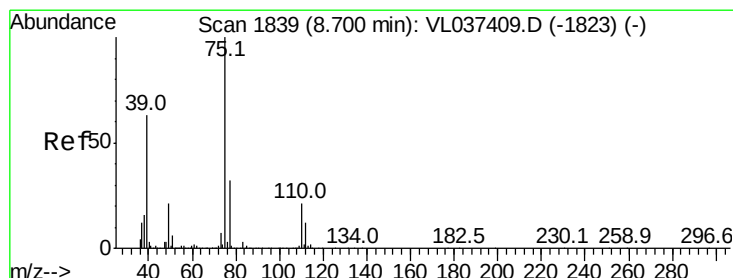
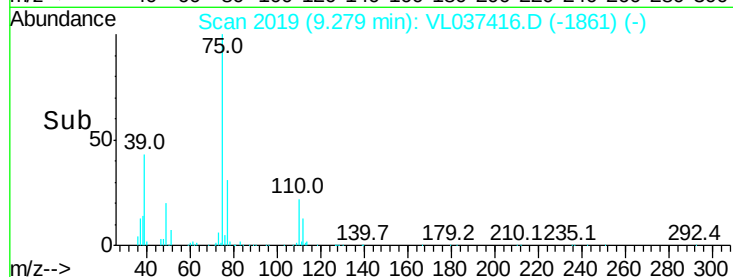
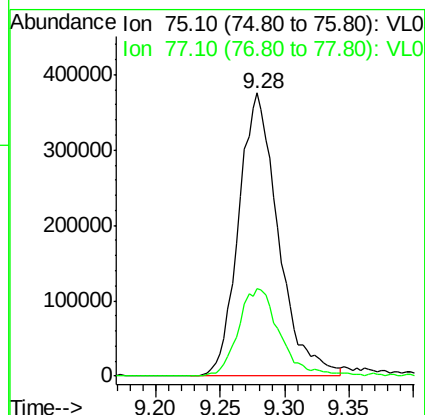
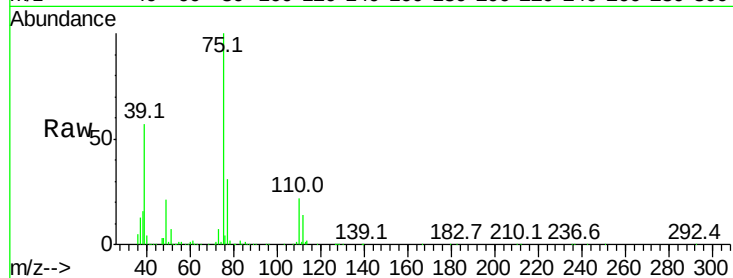
ICVVL081221

Tgt Ion: 75 Resp: 804032

Ion Ratio Lower Upper

75 100

77 30.8 24.2 36.2



#46

cis-1,3-Dichloropropene

Concen: 8.599 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

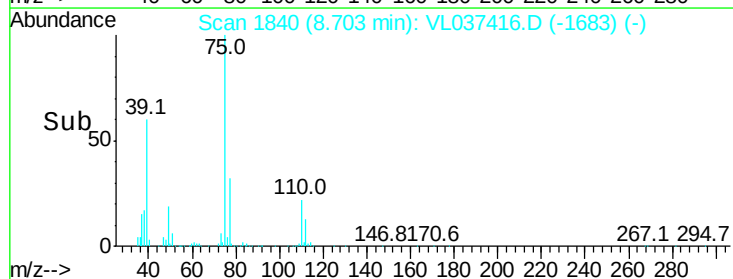
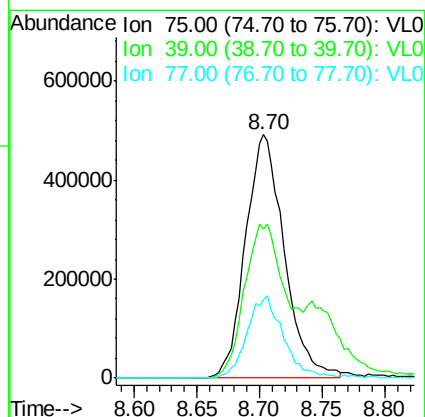
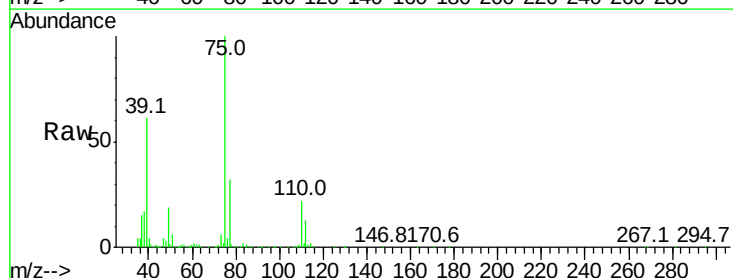
Tgt Ion: 75 Resp: 1057617

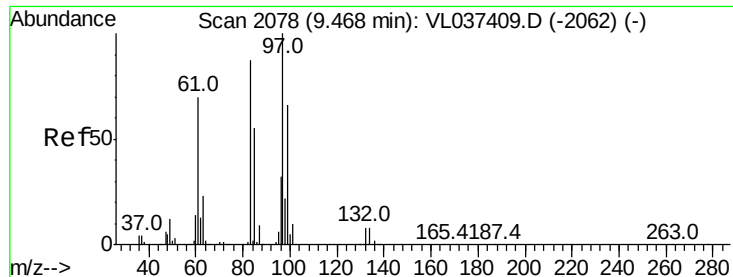
Ion Ratio Lower Upper

75 100

39 61.1 50.1 75.1

77 32.2 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.202 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

Tgt Ion: 97 Resp: 1325631

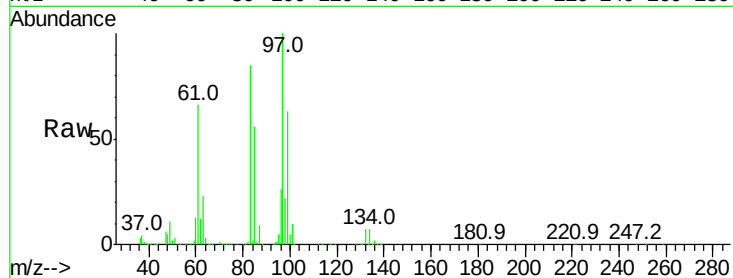
Ion Ratio Lower Upper

97 100

83 84.9 69.5 104.3

85 56.1 43.8 65.8

99 62.7 53.0 79.4

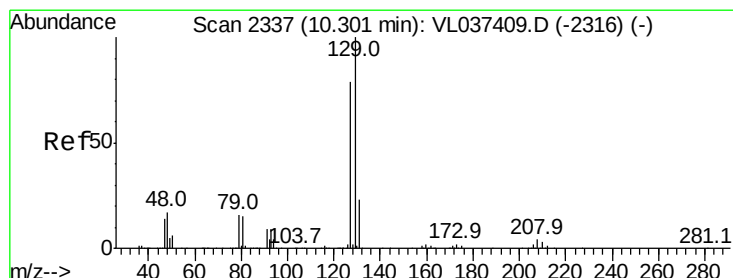
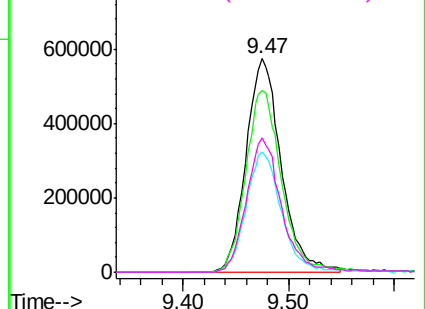
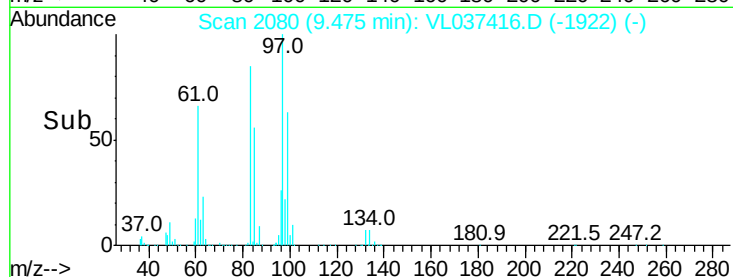


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.070 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. 0.00 min

Lab File: VL037416.D

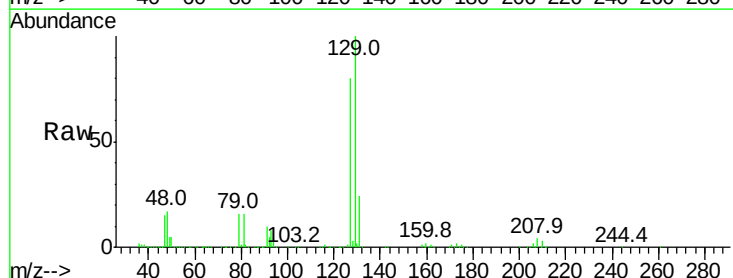
Acq: 12 Aug 2021 15:43

Tgt Ion: 129 Resp: 2092942

Ion Ratio Lower Upper

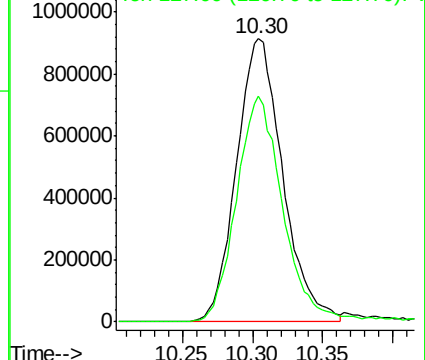
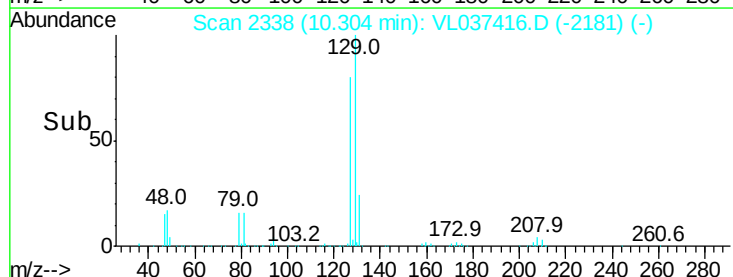
129 100

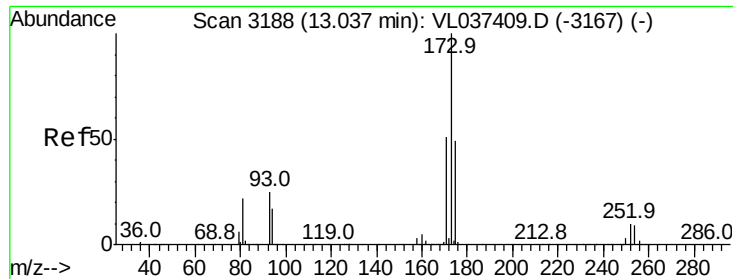
127 82.1 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.223 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

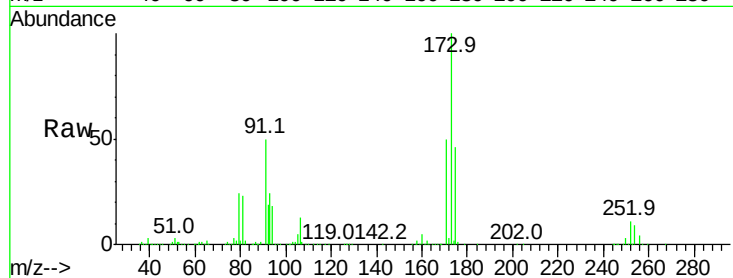
Tgt Ion:173 Resp: 1610000

Ion Ratio Lower Upper

173 100

175 49.9 39.9 59.9

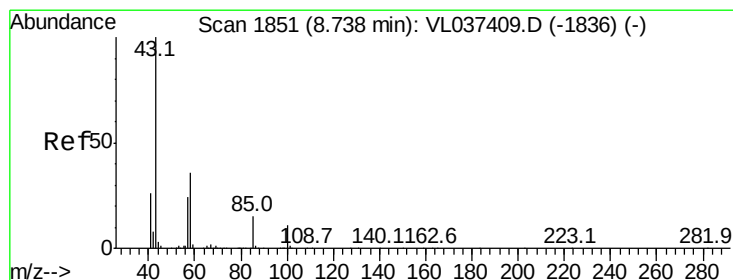
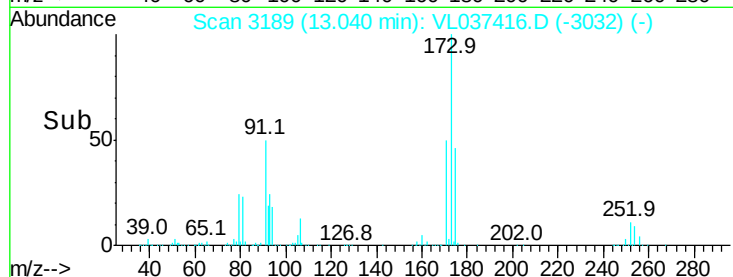
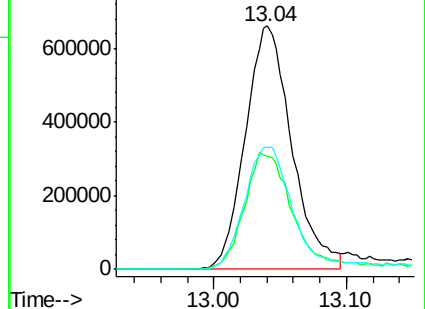
171 55.4 41.4 62.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.163 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL037416.D

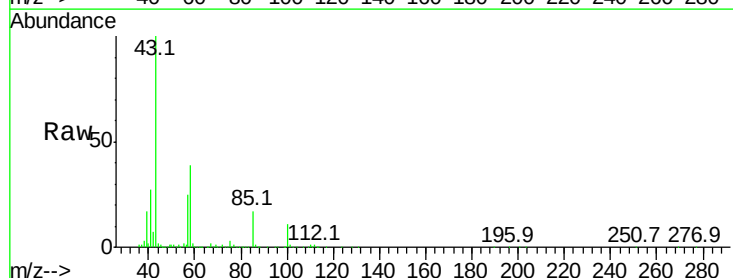
Acq: 12 Aug 2021 15:43

Tgt Ion: 43 Resp: 2189936

Ion Ratio Lower Upper

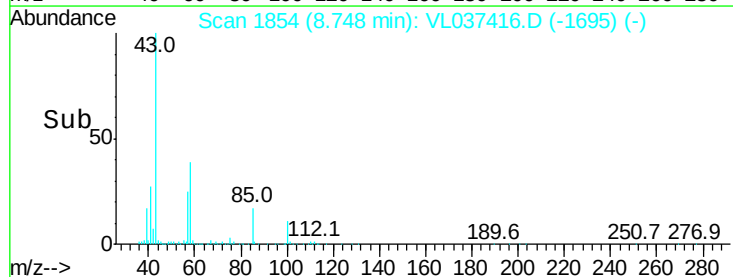
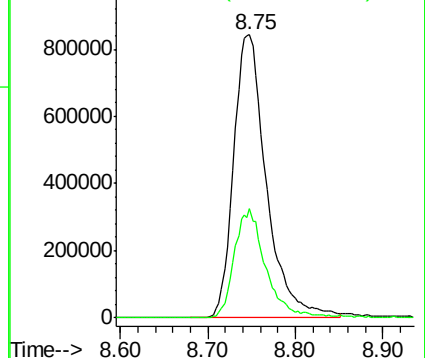
43 100

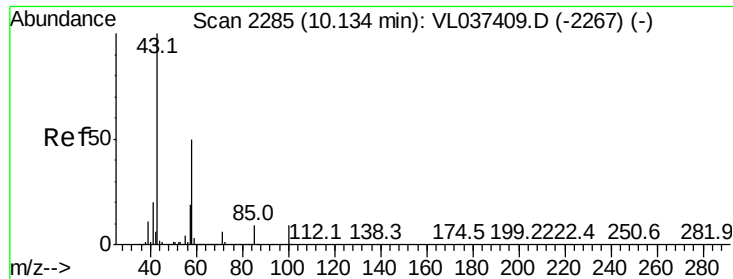
58 37.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

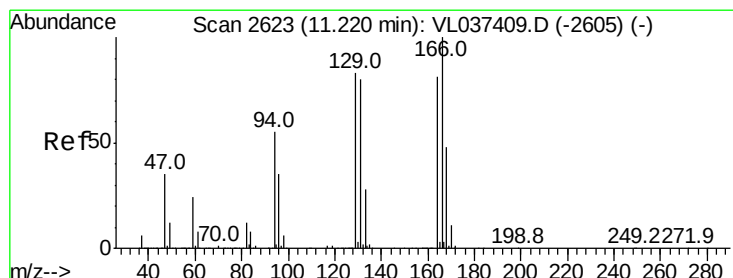
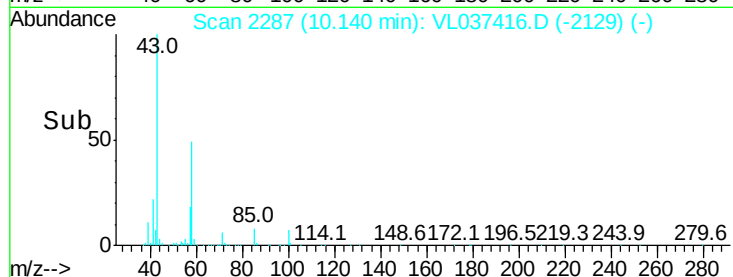
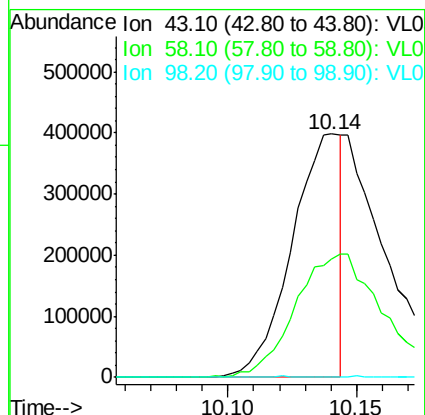
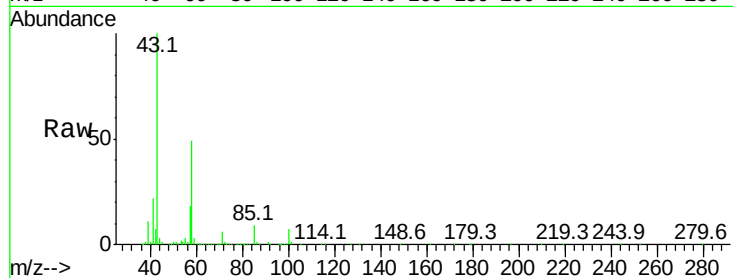




#51
2-Hexanone
Concen: 5.242 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

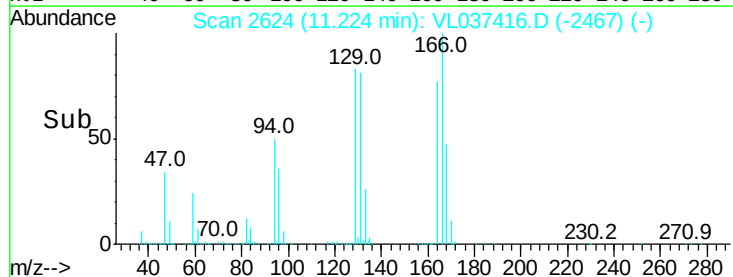
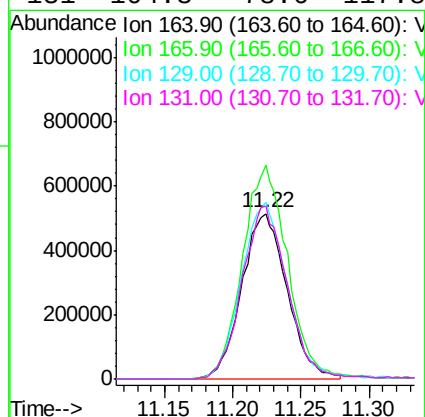
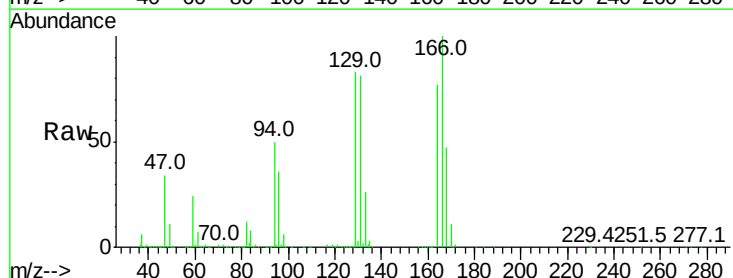
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

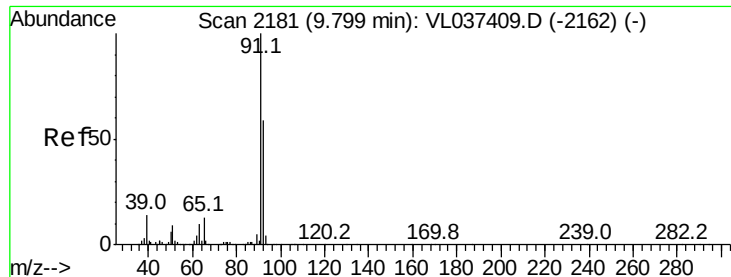
Tgt Ion: 43 Resp: 531372
Ion Ratio Lower Upper
43 100
58 99.7 39.9 59.9#
98 0.9 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.012 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion: 164 Resp: 1180769
Ion Ratio Lower Upper
164 100
166 129.2 98.6 147.8
129 106.9 82.0 123.0
131 104.3 78.6 117.8





#53

Toluene

Concen: 9.469 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

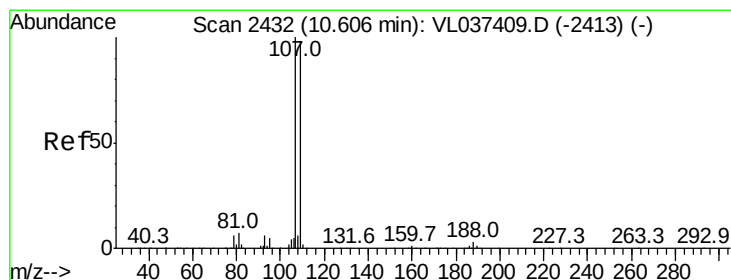
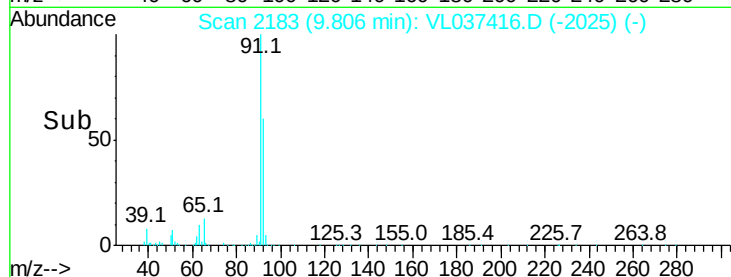
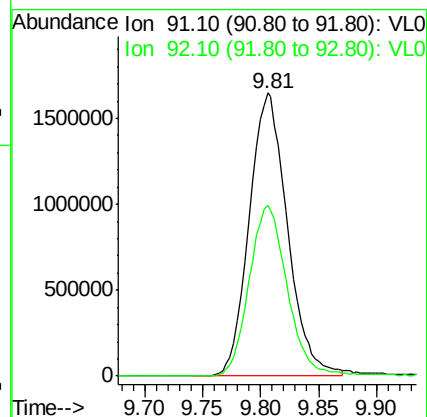
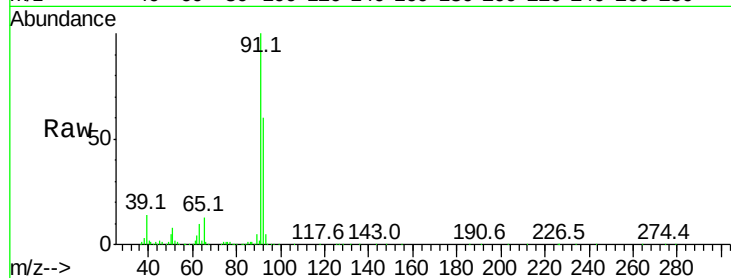
ICVVL081221

Tgt Ion: 91 Resp: 3781816

Ion Ratio Lower Upper

91 100

92 60.7 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.240 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL037416.D

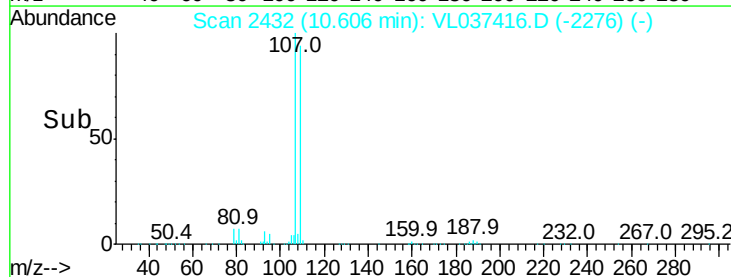
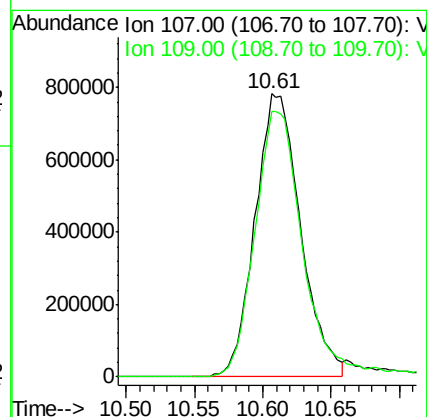
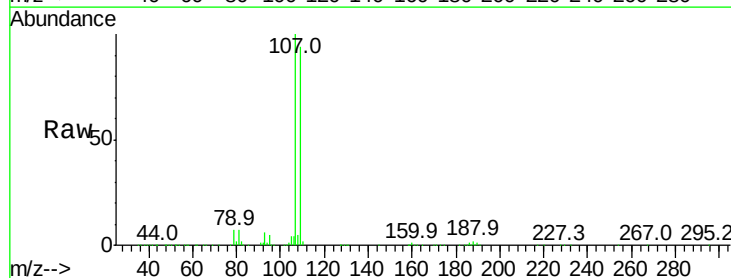
Acq: 12 Aug 2021 15:43

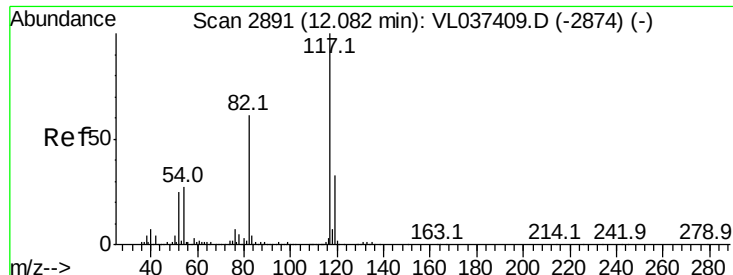
Tgt Ion: 107 Resp: 1811503

Ion Ratio Lower Upper

107 100

109 93.6 78.4 117.6

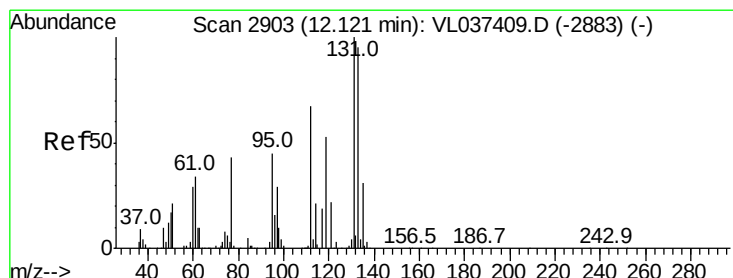
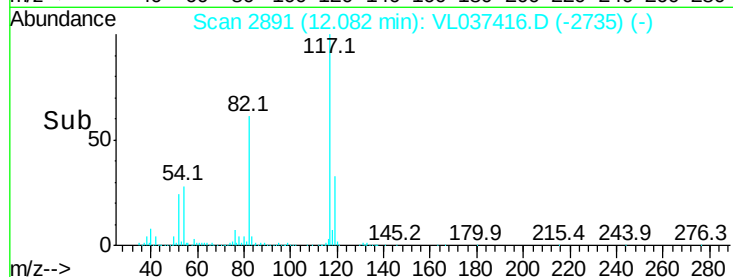
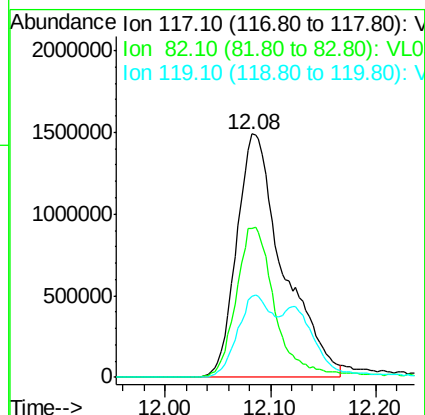
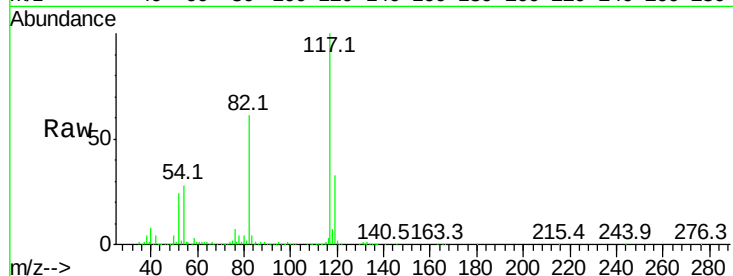




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

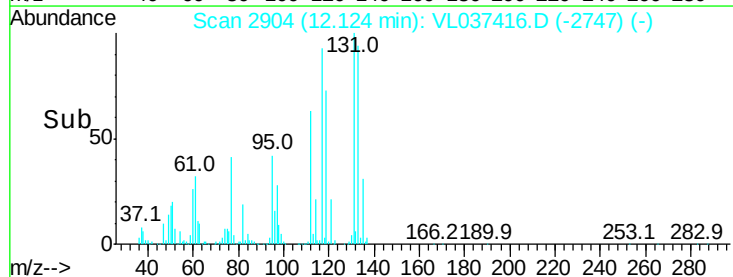
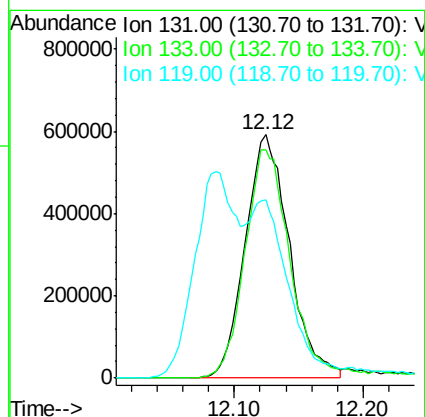
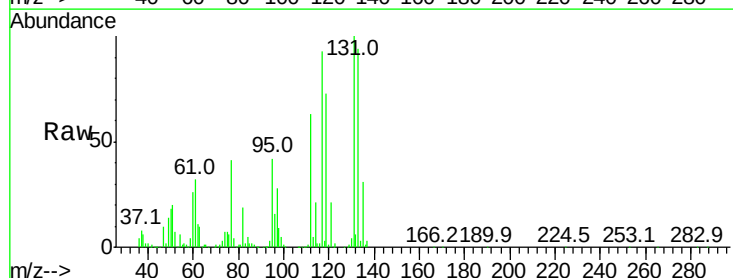
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

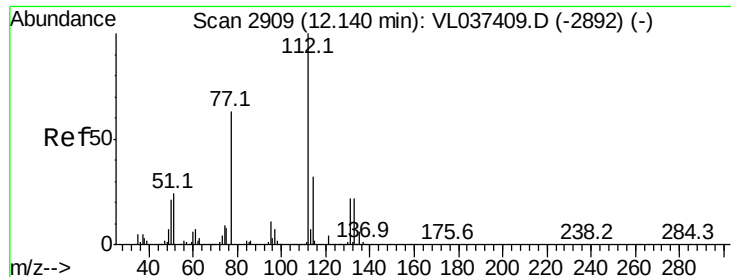
Tgt Ion:117 Resp: 4569058
Ion Ratio Lower Upper
117 100
82 53.0 53.1 79.7#
119 26.0 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.764 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion:131 Resp: 1412166
Ion Ratio Lower Upper
131 100
133 101.4 77.1 115.7
119 154.9 59.7 89.5#





#57

Chlorobenzene

Concen: 7.248 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

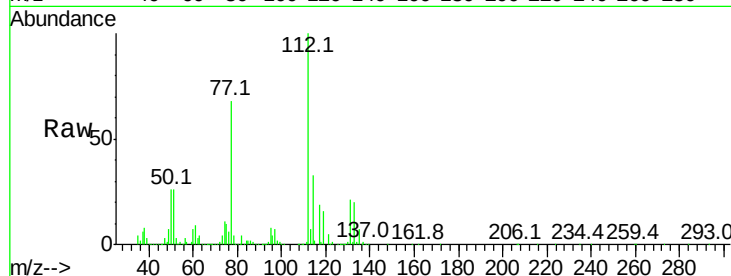
Tgt Ion: 112 Resp: 2683868

Ion Ratio Lower Upper

112 100

77 66.5 50.0 75.0

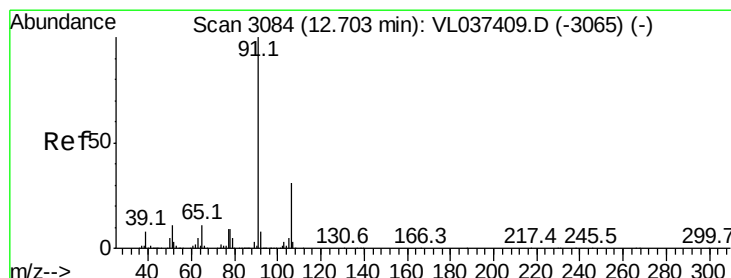
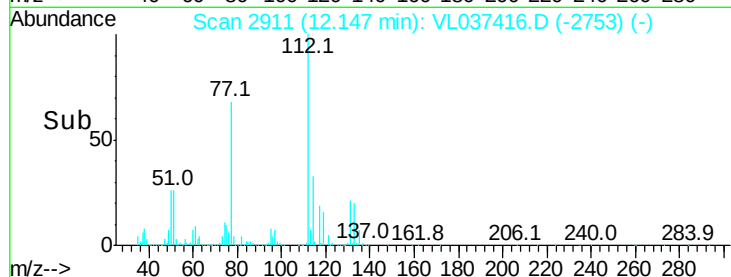
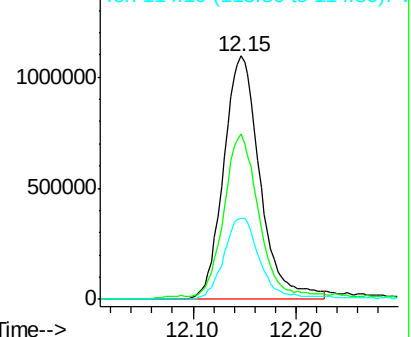
114 32.9 28.5 34.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.762 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.01 min

Lab File: VL037416.D

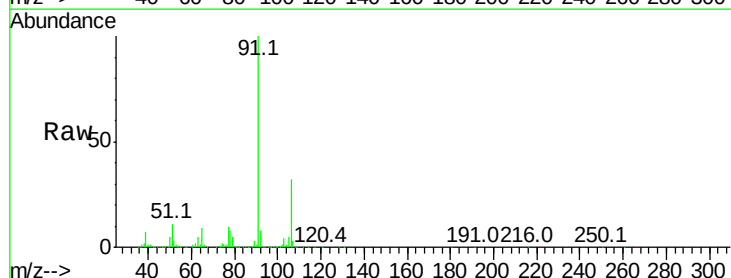
Acq: 12 Aug 2021 15:43

Tgt Ion: 91 Resp: 4810979

Ion Ratio Lower Upper

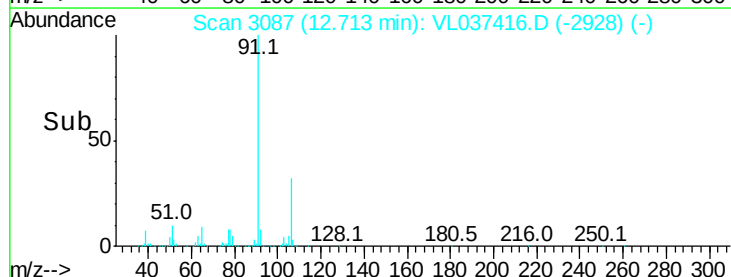
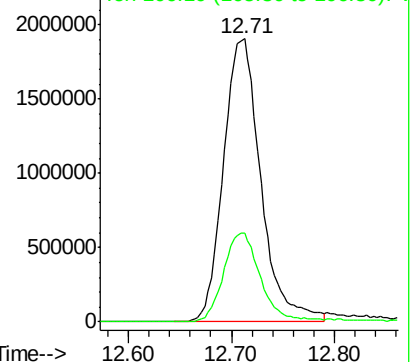
91 100

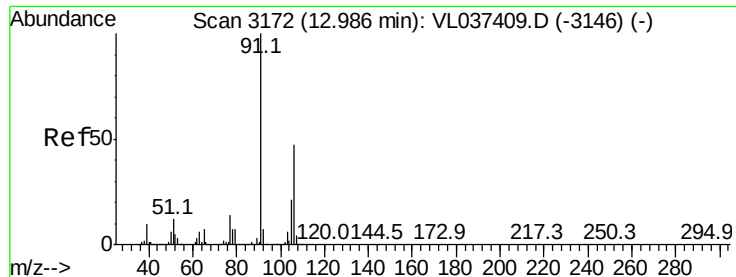
106 31.6 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

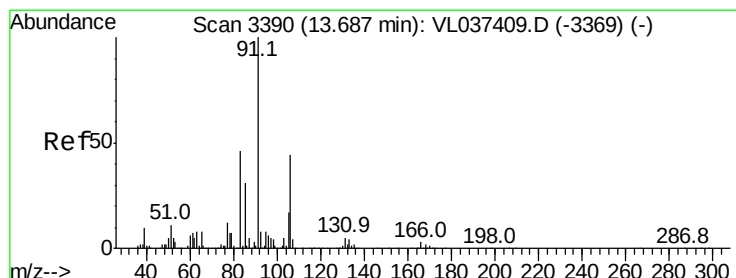
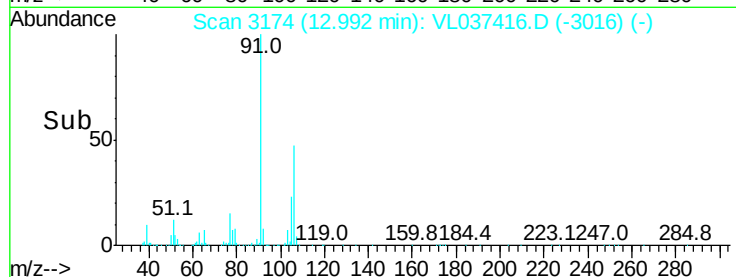
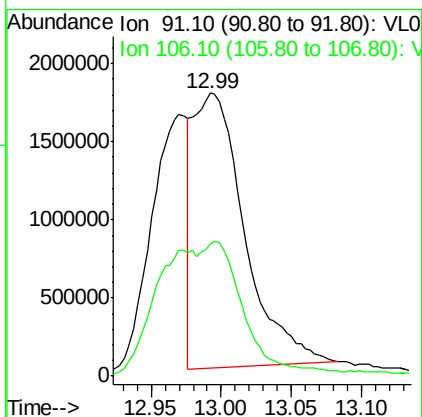
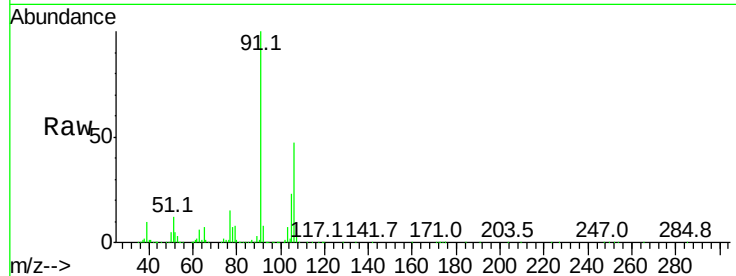




#59
m/p-Xylene
Concen: 8.162 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

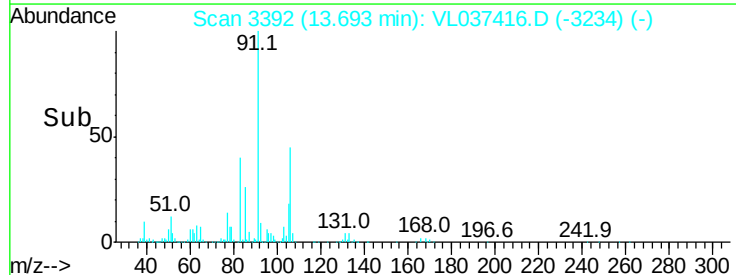
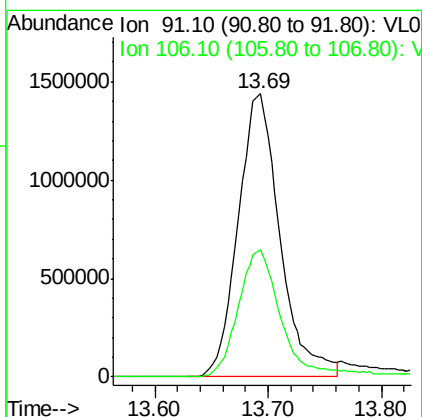
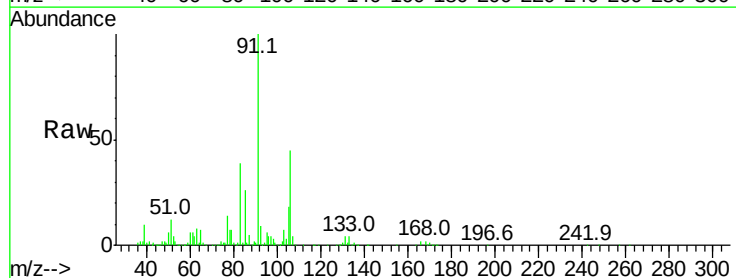
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

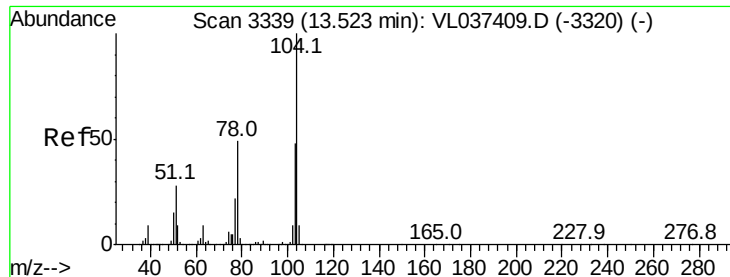
Tgt Ion: 91 Resp: 4443709
Ion Ratio Lower Upper
91 100
106 83.0 36.6 54.8#



#60
o-Xylene
Concen: 7.300 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion: 91 Resp: 3692342
Ion Ratio Lower Upper
91 100
106 47.4 24.1 72.2

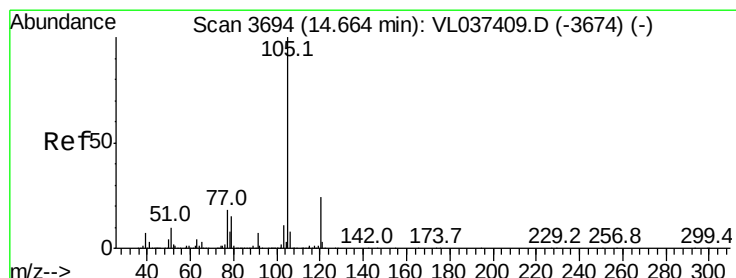
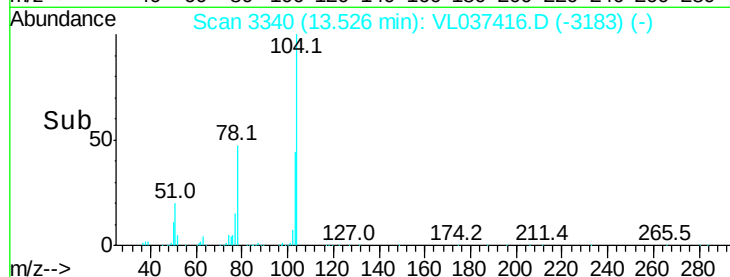
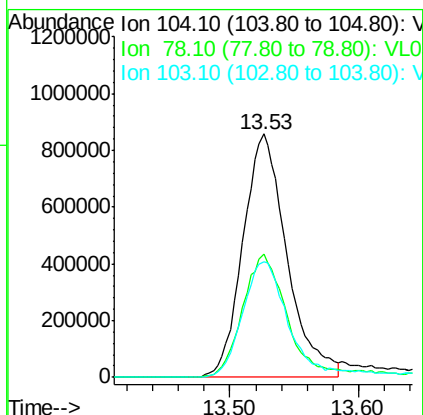
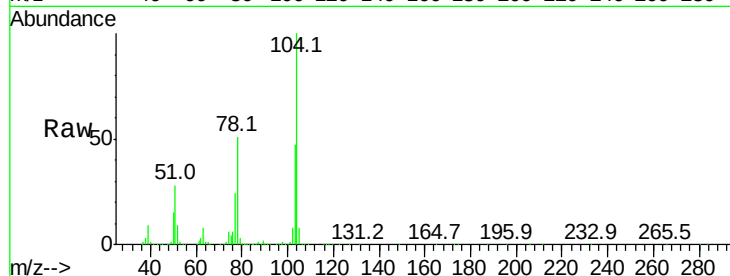




#61
Styrene
Concen: 7.984 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

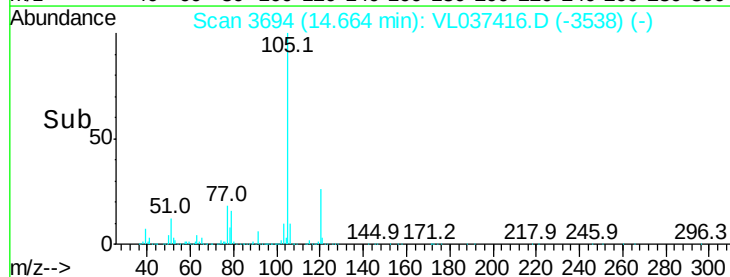
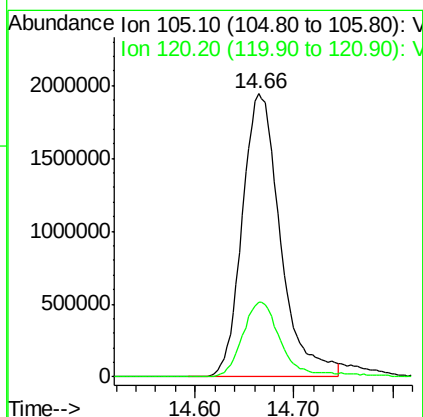
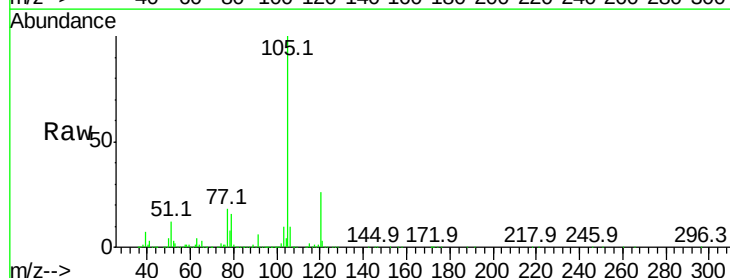
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081221

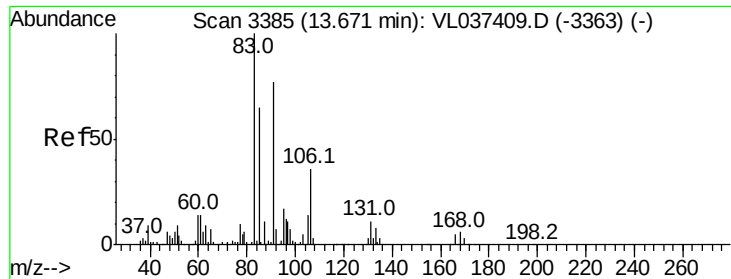
Tgt Ion:104 Resp: 2040156
Ion Ratio Lower Upper
104 100
78 53.1 41.5 62.3
103 51.0 40.2 60.2



#62
Isopropylbenzene
Concen: 7.198 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL037416.D
Acq: 12 Aug 2021 15:43

Tgt Ion:105 Resp: 5206824
Ion Ratio Lower Upper
105 100
120 27.3 21.6 32.4





#63

1,1,2,2-Tetrachloroethane

Concen: 6.867 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

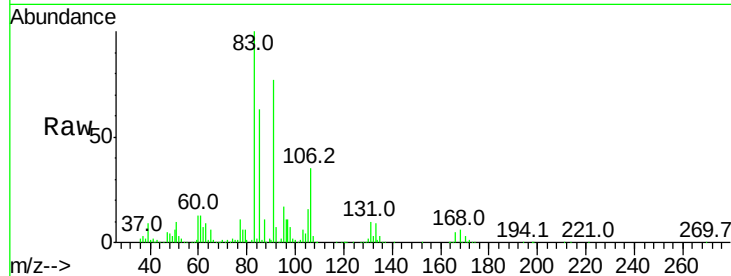
Tgt Ion: 83 Resp: 2619233

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.4

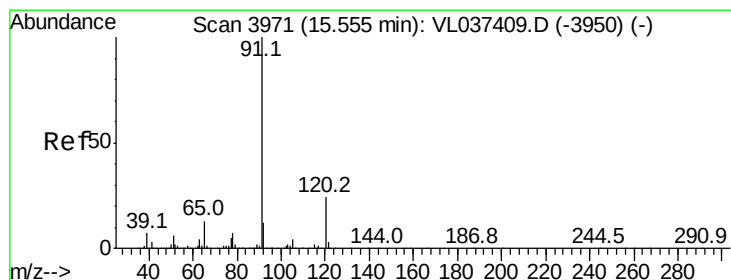
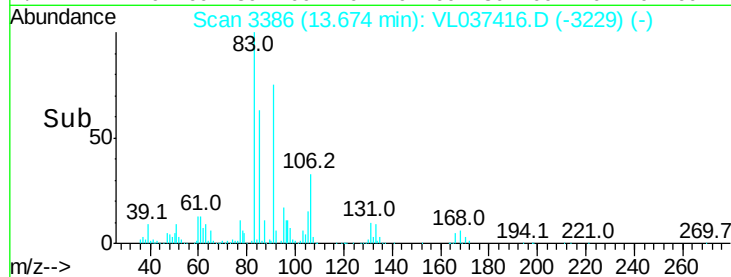
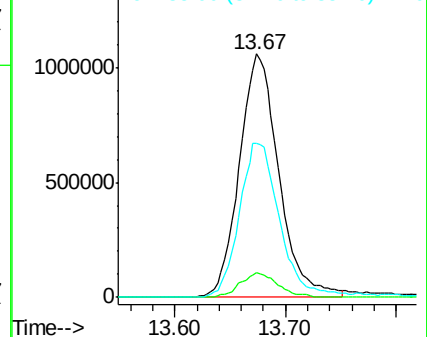
85 66.8 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.332 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL037416.D

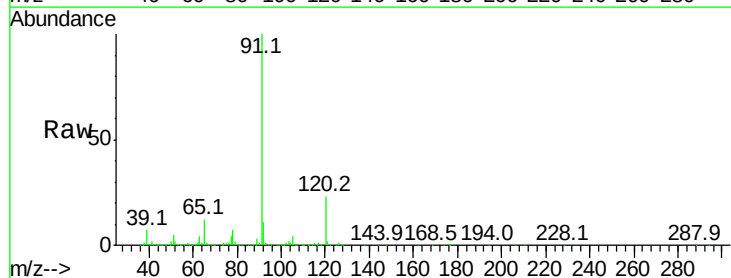
Acq: 12 Aug 2021 15:43

Tgt Ion: 120 Resp: 1334570

Ion Ratio Lower Upper

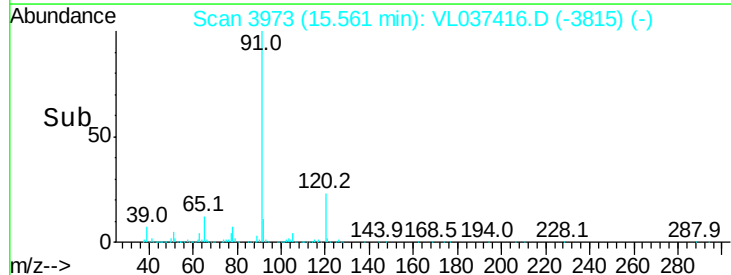
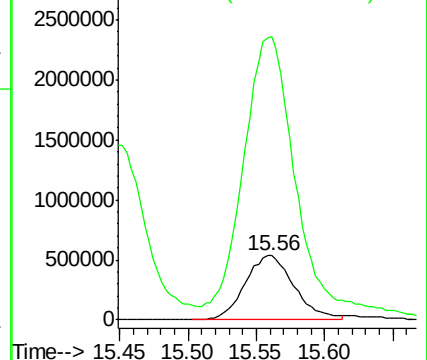
120 100

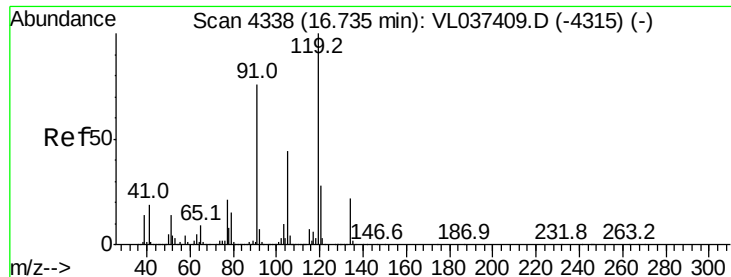
91 485.8 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

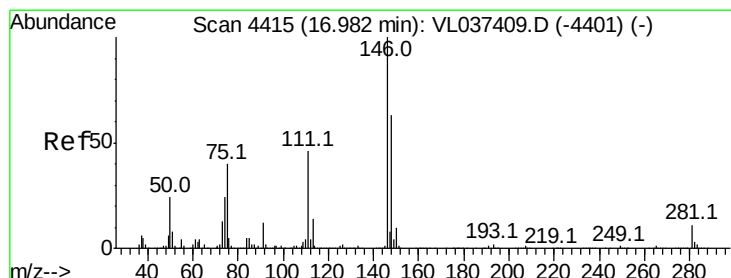
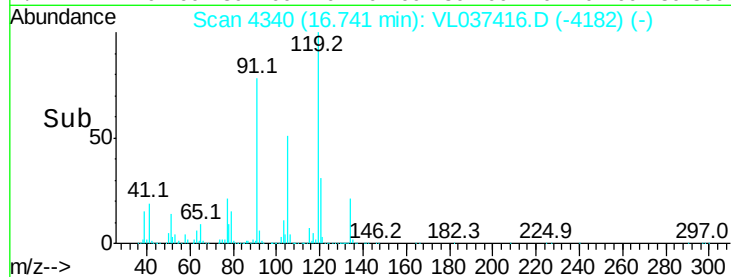
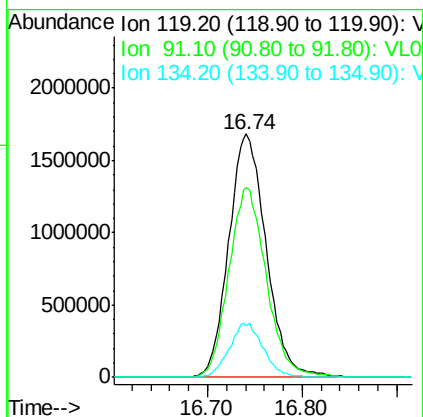
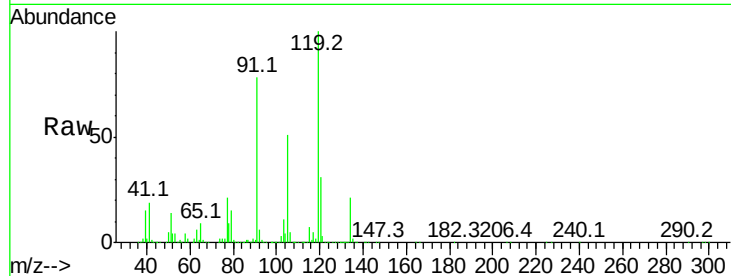




#65
 tert-Butylbenzene
 Concen: 7.080 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.01 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

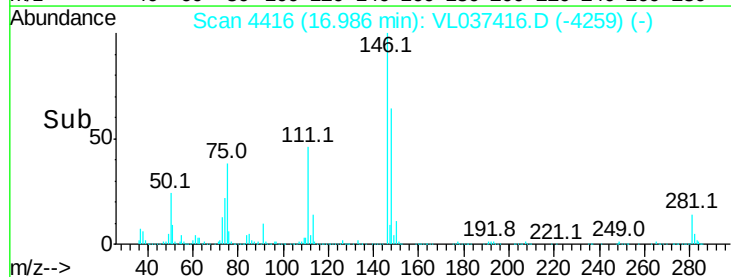
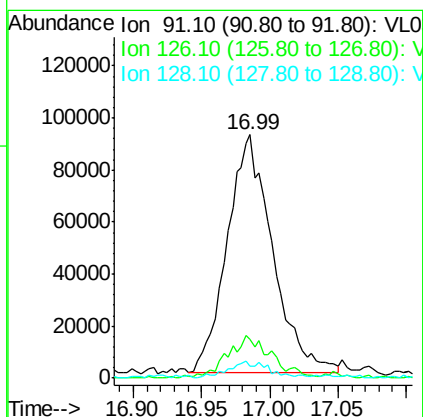
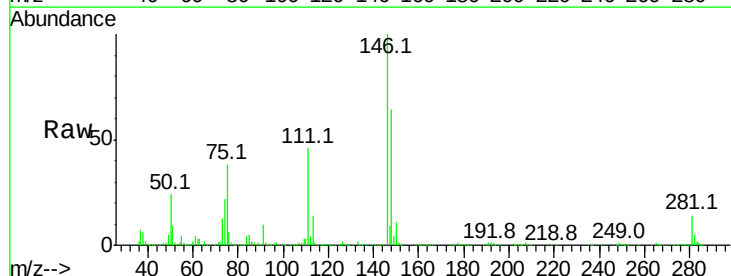
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081221

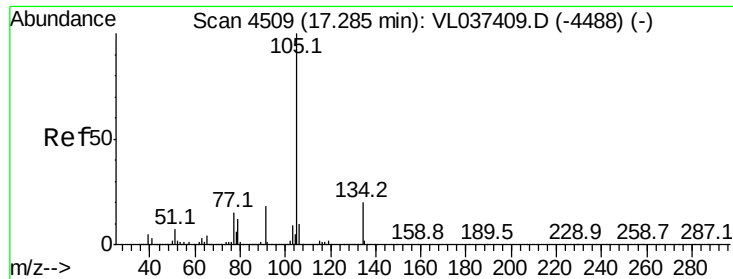
Tgt Ion: 119 Resp: 4618261
 Ion Ratio Lower Upper
 119 100
 91 78.3 62.2 93.4
 134 20.4 16.1 24.1



#66
 Benzyl Chloride
 Concen: 7.049 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

Tgt Ion: 91 Resp: 210380
 Ion Ratio Lower Upper
 91 100
 126 18.4 14.3 21.5
 128 7.4 4.6 7.0#

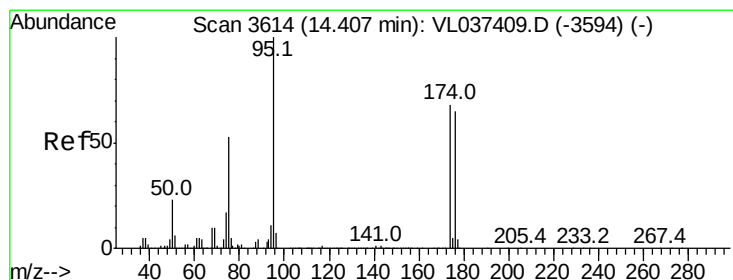
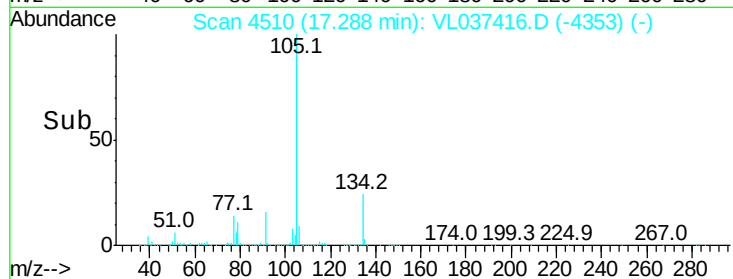
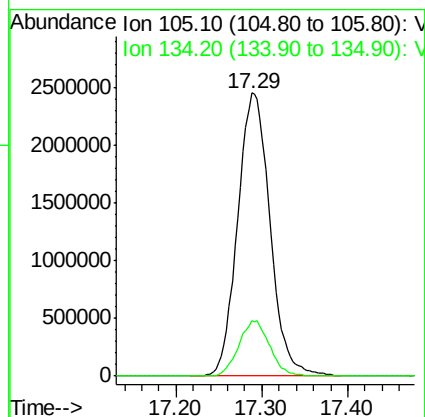
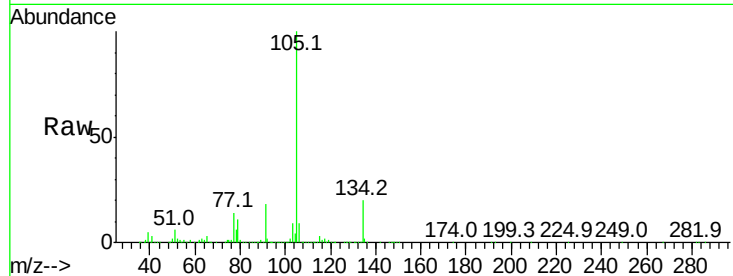




#67
 sec-Butylbenzene
 Concen: 7.243 ppbv
 RT: 17.29 min Scan# 4510
 Delta R.T. 0.00 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

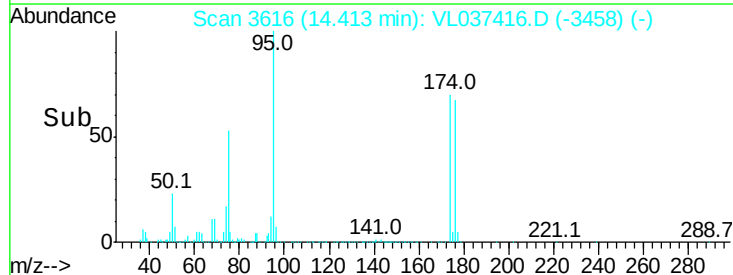
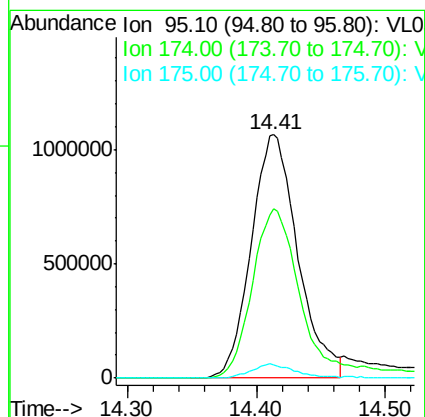
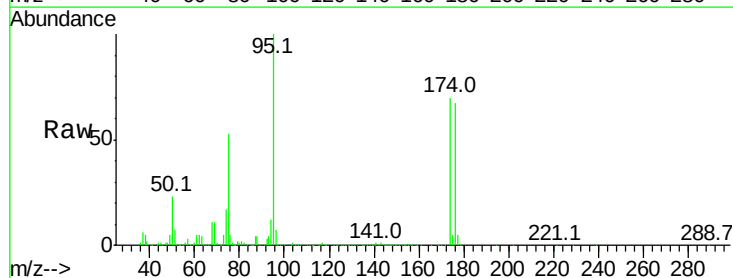
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081221

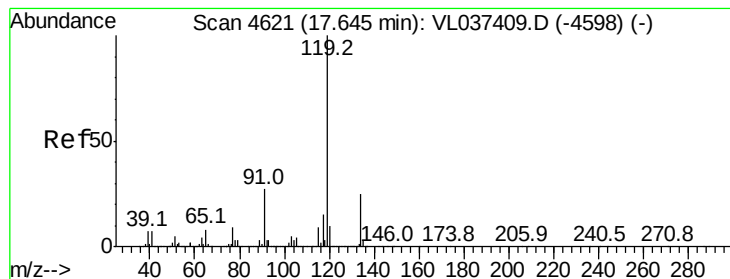
Tgt Ion: 105 Resp: 6428628
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.181 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037416.D
 Acq: 12 Aug 2021 15:43

Tgt Ion: 95 Resp: 2681280
 Ion Ratio Lower Upper
 95 100
 174 76.7 59.6 89.4
 175 5.6 4.3 6.5





#69

p-Isopropyltoluene

Concen: 7.443 ppbv

RT: 17.65 min Scan# 4622

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

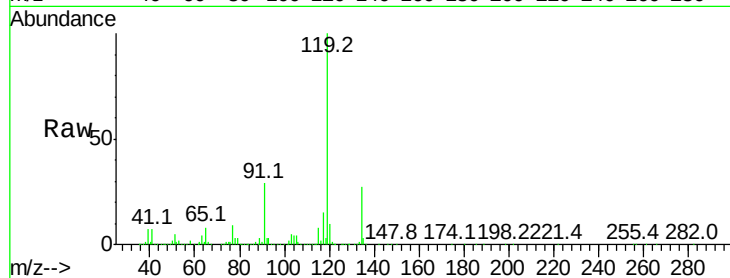
Tgt Ion:119 Resp: 5421918

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

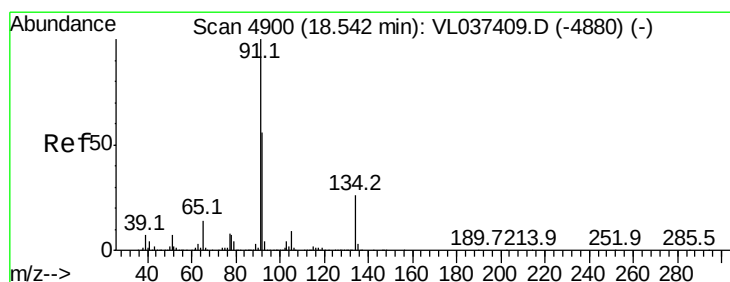
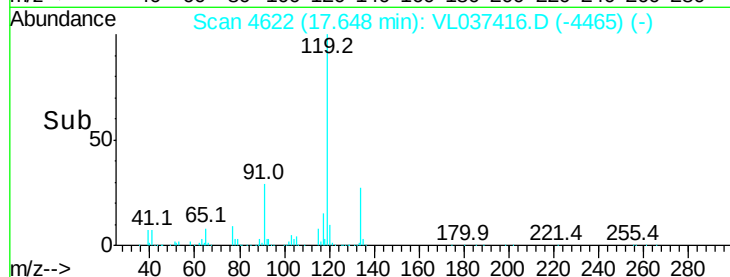
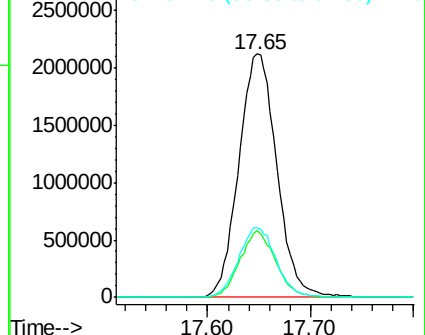
91 28.2 22.4 33.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.788 ppbv

RT: 18.55 min Scan# 4901

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

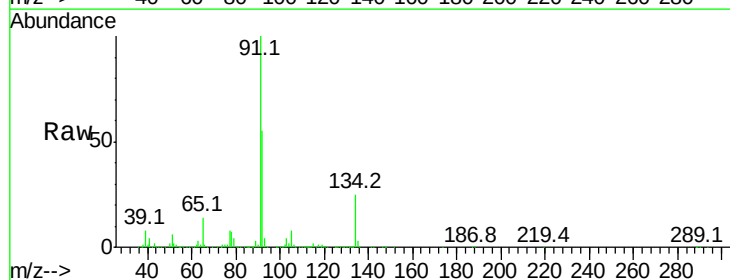
Tgt Ion: 91 Resp: 5272932

Ion Ratio Lower Upper

91 100

92 54.5 44.2 66.2

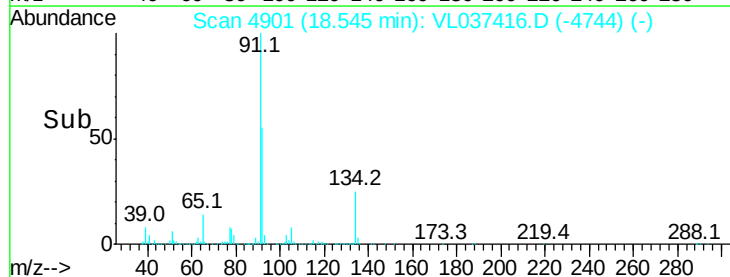
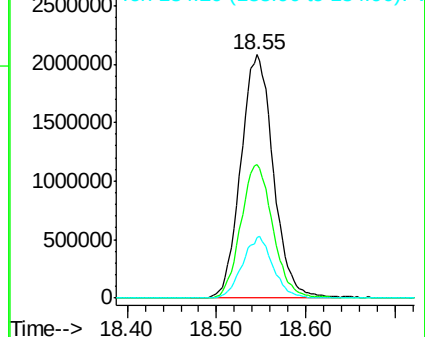
134 23.9 19.5 29.3

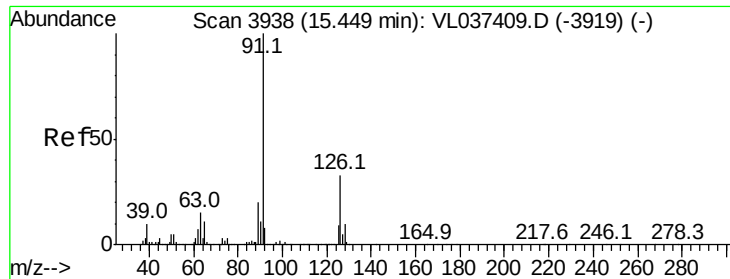


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.283 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

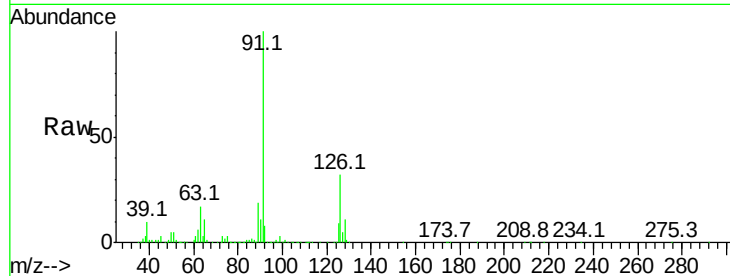
ICVVL081221

Tgt Ion: 91 Resp: 3726247

Ion Ratio Lower Upper

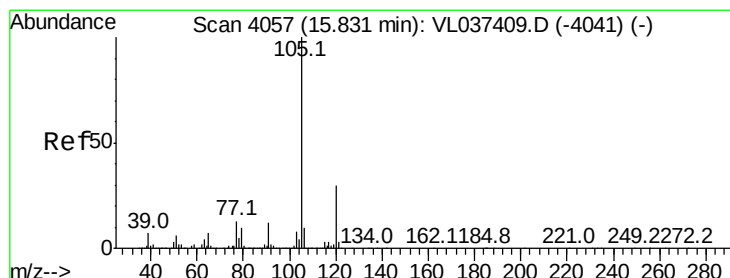
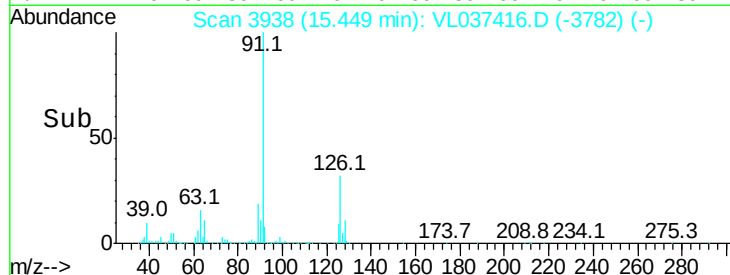
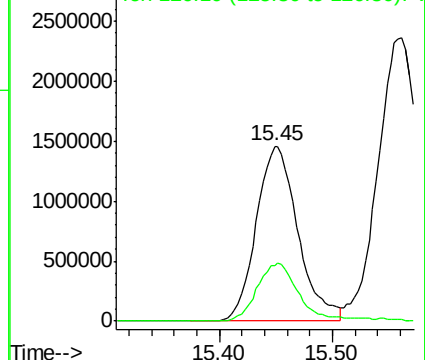
91 100

126 34.5 13.5 53.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.873 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Tgt Ion: 105 Resp: 4622645

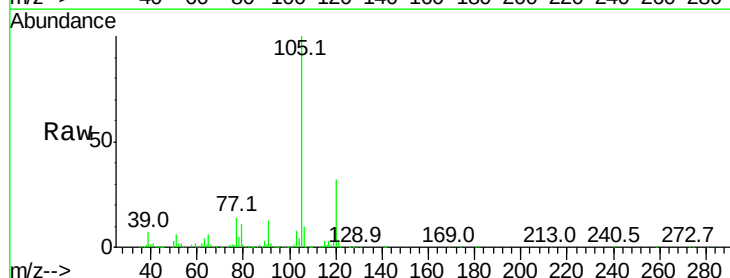
Ion Ratio Lower Upper

105 100

120 29.5 25.0 37.4

91 11.8 11.2 16.8

77 13.0 11.2 16.8

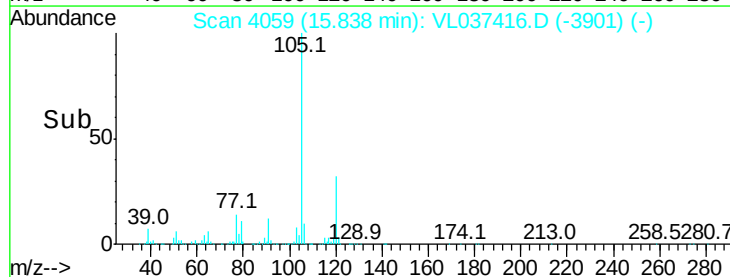
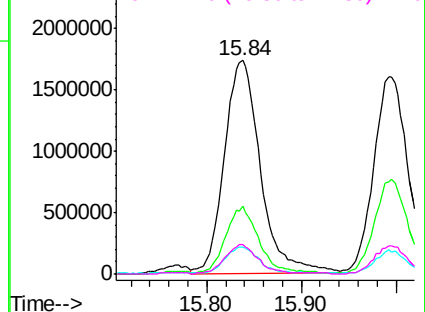


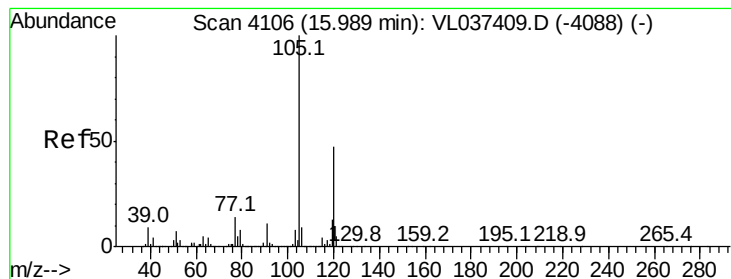
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.442 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

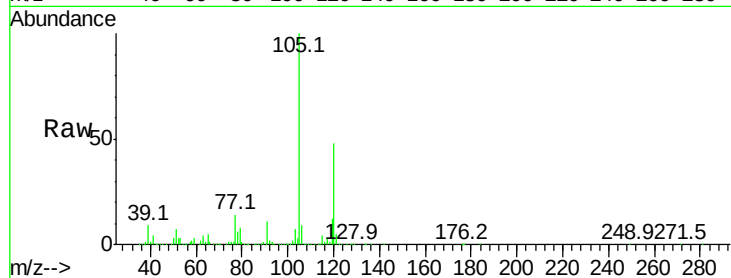
ICVVL081221

Tgt Ion:105 Resp: 4130863

Ion Ratio Lower Upper

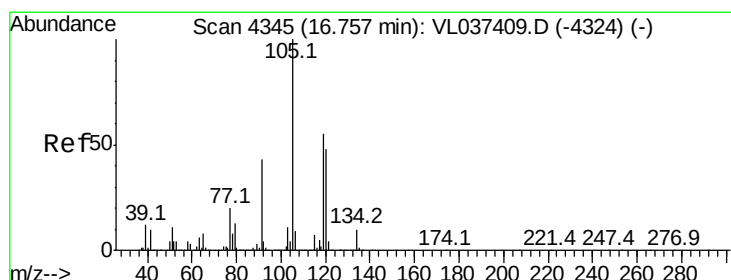
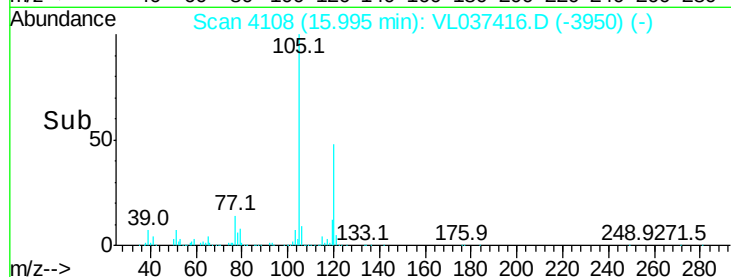
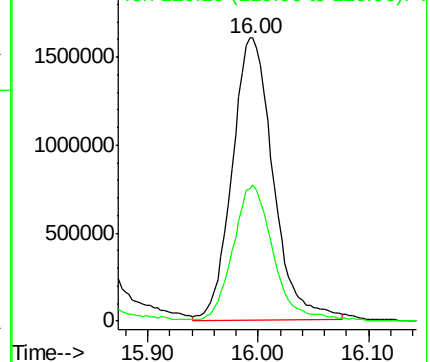
105 100

120 48.3 37.4 56.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.297 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Tgt Ion:105 Resp: 4146997

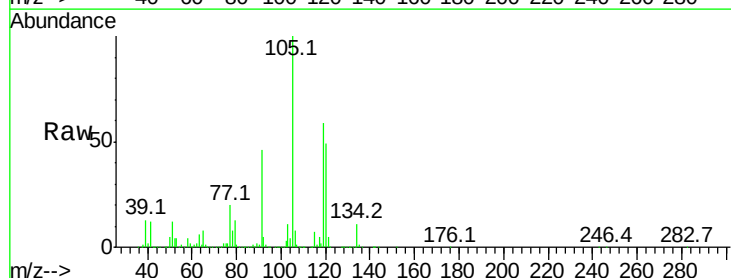
Ion Ratio Lower Upper

105 100

120 48.9 38.2 57.2

91 44.9 35.4 53.2

77 19.9 16.2 24.2

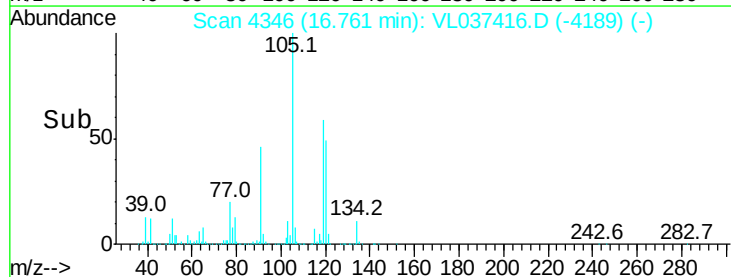
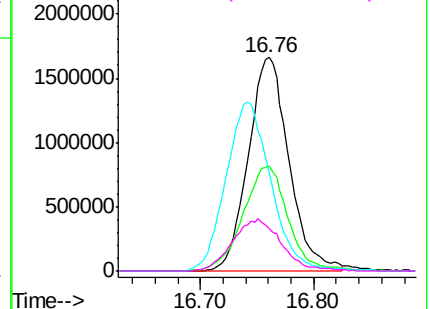


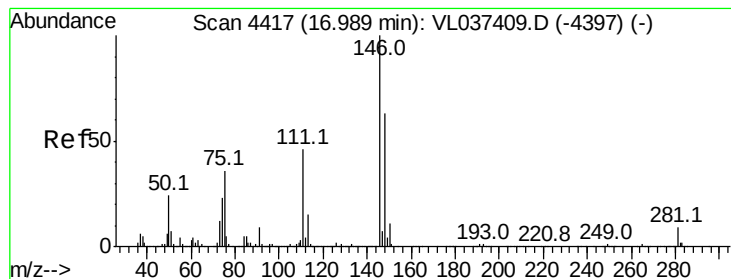
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 7.138 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

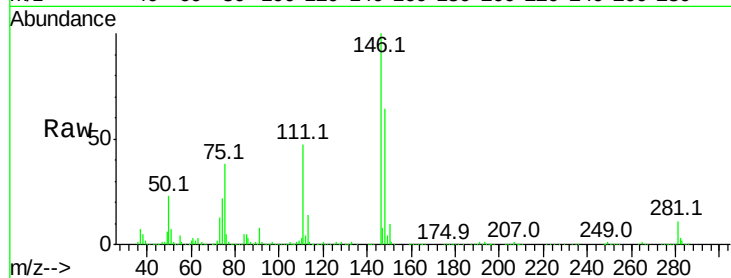
Tgt Ion:146 Resp: 2482351

Ion Ratio Lower Upper

146 100

111 46.4 22.9 68.7

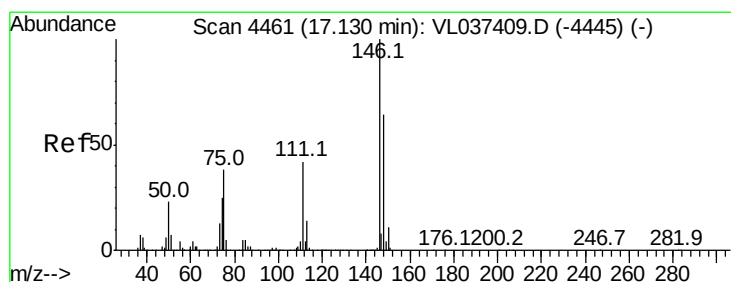
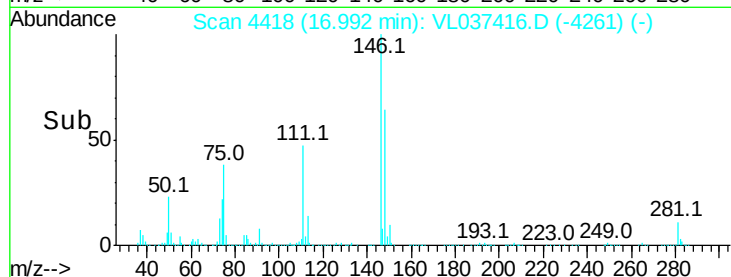
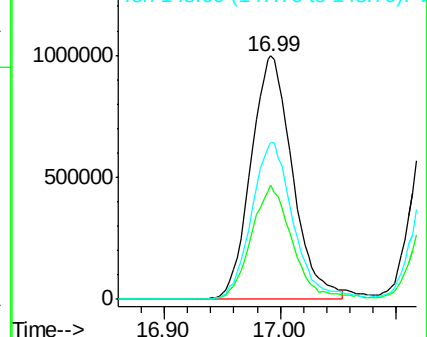
148 64.4 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.922 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

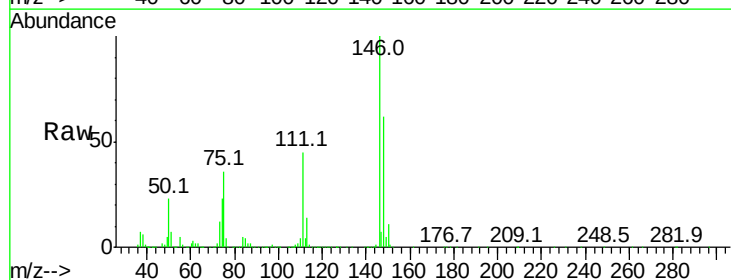
Tgt Ion:146 Resp: 2386735

Ion Ratio Lower Upper

146 100

111 46.2 22.8 68.4

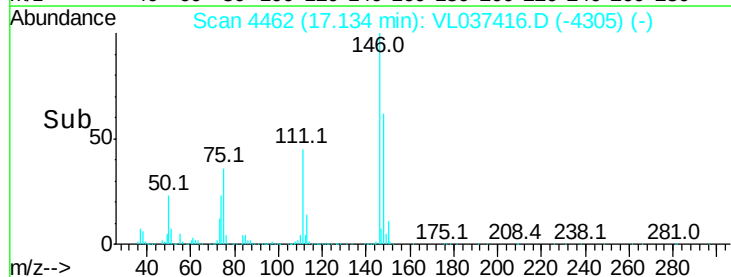
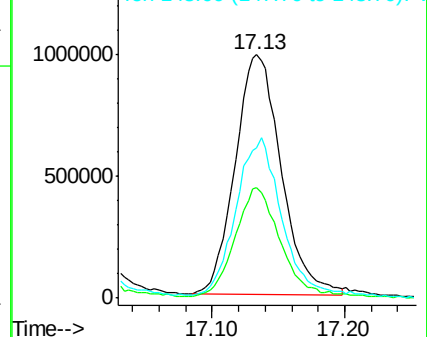
148 68.1 34.0 102.0

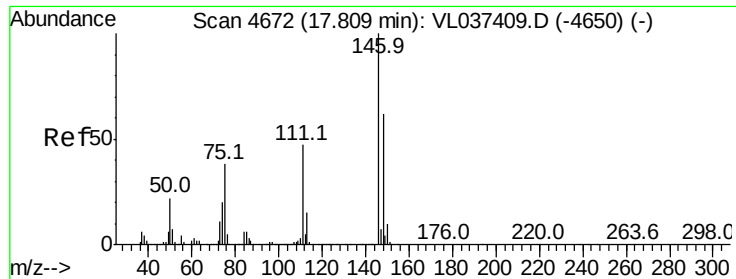


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.128 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

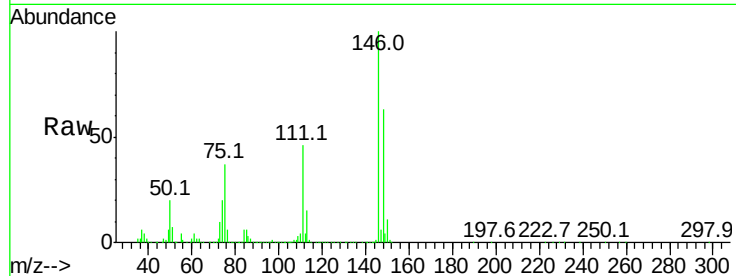
Tgt Ion:146 Resp: 2385340

Ion Ratio Lower Upper

146 100

111 47.4 23.8 71.5

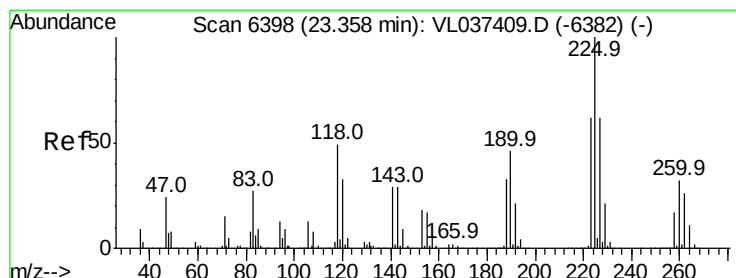
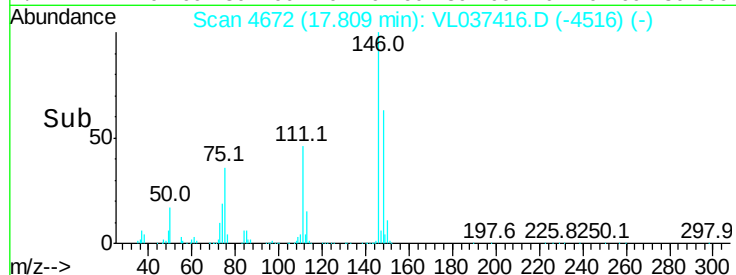
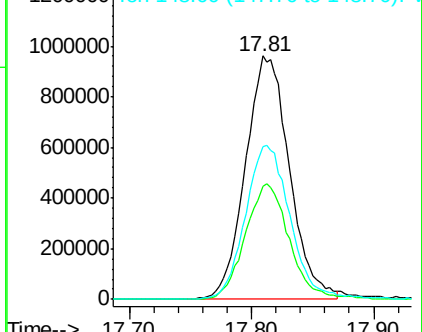
148 64.7 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.754 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

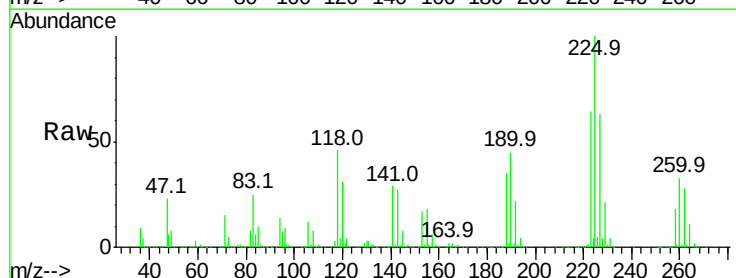
Tgt Ion:225 Resp: 1830700

Ion Ratio Lower Upper

225 100

223 64.3 51.2 76.8

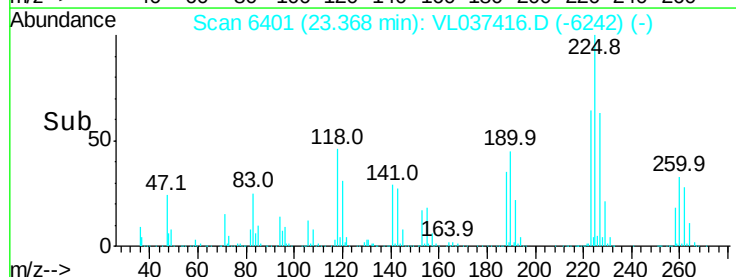
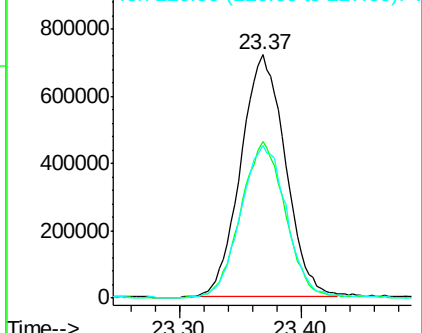
227 65.4 52.2 78.4

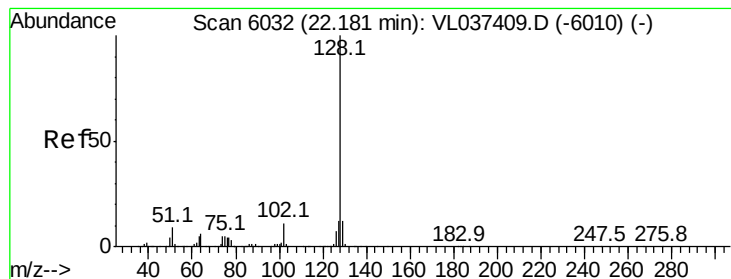


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.142 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

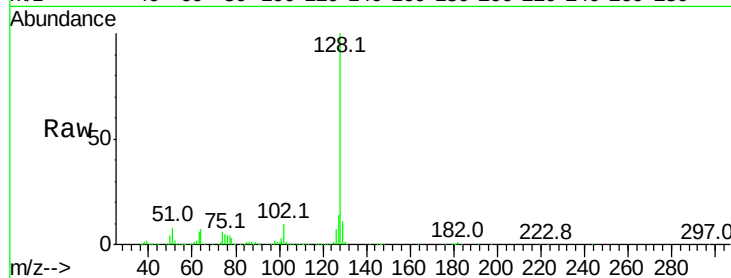
Tgt Ion:128 Resp: 3132514

Ion Ratio Lower Upper

128 100

127 13.5 9.9 14.9

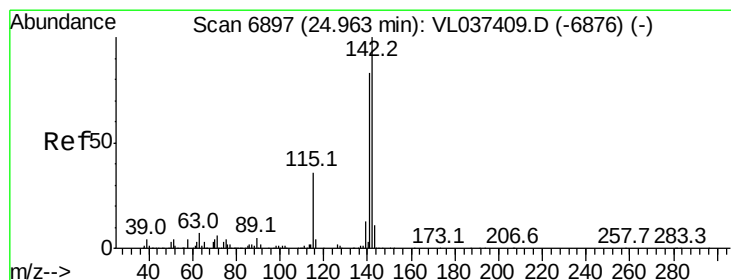
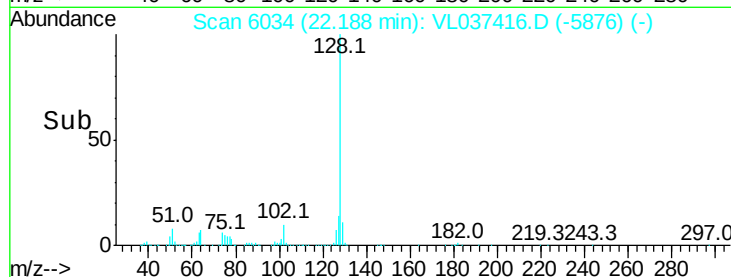
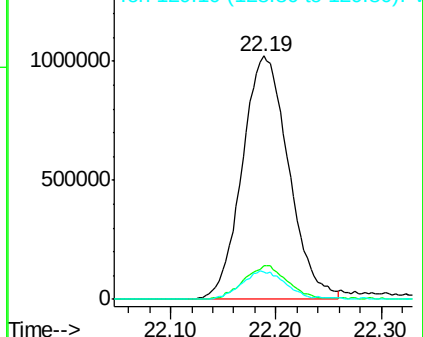
129 11.5 9.4 14.0



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: 14.404 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

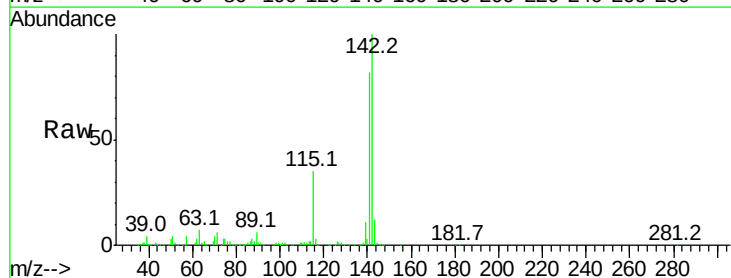
Tgt Ion:142 Resp: 939619

Ion Ratio Lower Upper

142 100

141 86.4 68.7 103.1

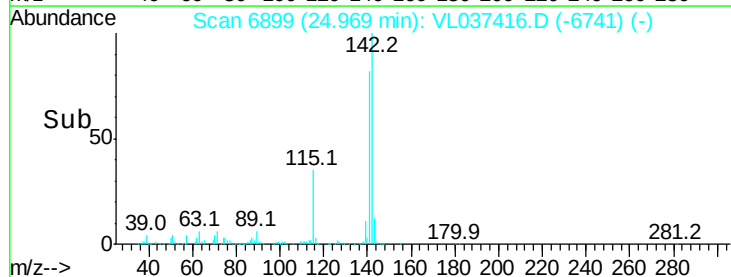
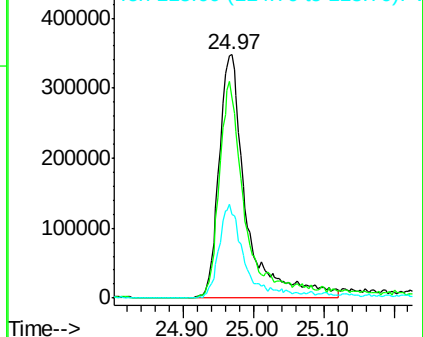
115 35.4 32.7 49.1

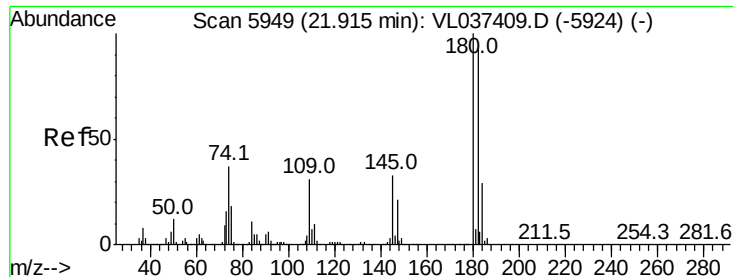


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.055 ppbv

RT: 21.92 min Scan# 5950

Delta R.T. 0.00 min

Lab File: VL037416.D

Acq: 12 Aug 2021 15:43

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081221

Tgt Ion:180 Resp: 1900309

Ion Ratio Lower Upper

180 100

182 99.3 78.6 118.0

184 31.0 24.6 36.8

