

Data File : VL037444.D

Acq On : 13 Aug 2021 11:56

Operator : SY/AP

Sample : VL0813ABS01

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Quant Time: Aug 13 12:31:58 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	5.66	49	1328586	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4011284	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4532127	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2620394	8.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1783181	8.785	ppbv	99
3) Chlorodifluoromethane	2.99	51	2501674	9.589	ppbv	98
4) Chloromethane	3.13	50	915539	9.762	ppbv	99
5) Vinyl Chloride	3.25	62	910947	9.509	ppbv	99
6) Bromomethane	3.47	94	438437	8.182	ppbv	98
7) Chloroethane	3.56	64	311499	9.130	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2167390	9.567	ppbv	99
9) Propene	3.01	41	875529	9.994	ppbv	100
10) Heptane	8.12	43	2158287	10.131	ppbv	100
11) Trichlorofluoromethane	3.95	101	2010665	9.154	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1483699	9.643	ppbv	96
13) Ethanol	3.61	45	23297	2.492	ppbv #	31
14) Bromoethene	3.74	108	642986	9.395	ppbv	95
15) Acetone	3.85	43	1140057	8.091	ppbv	98
16) 1,3-Butadiene	3.32	39	904566	9.565	ppbv	98
17) tert-Butyl alcohol	4.29	59	1241293	9.230	ppbv	100
18) 1,1-Dichloroethene	4.29	96	633785	8.872	ppbv	91
19) Isopropyl Alcohol	3.96	45	688695	8.399	ppbv #	96
20) Methylene Chloride	4.34	84	614097	8.243	ppbv	95
21) Allyl Chloride	4.41	41	1028082	9.312	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	695036	10.372	ppbv	99
23) Vinyl Acetate	5.07	43	1631818	7.548	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1376601	8.198	ppbv	98
25) Ethyl Acetate	5.67	43	3371000	10.039	ppbv	99
26) Hexane	5.68	57	1671479	9.645	ppbv	98
27) Carbon Disulfide	4.55	76	1635139	11.192	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1478681	7.973	ppbv	99
29) Chloroform	5.75	83	2406750	9.865	ppbv	98
30) Cyclohexane	7.12	84	1384607	9.702	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1556173	10.389	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2341684	9.510	ppbv	99
34) 2-Butanone	5.24	43	1468290	8.866	ppbv	98
35) Carbon Tetrachloride	7.01	117	2443871	9.880	ppbv	97
36) Benzene	6.89	78	3385671	10.010	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1681011	9.739	ppbv	99
38) Trichloroethene	7.83	130	1338692	8.967	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1284017	9.965	ppbv	95
40) 1,4-Dioxane	7.83	88	300863	9.595	ppbv #	100
41) Tetrahydrofuran	6.05	42	793387	10.432	ppbv	96
42) Bromodichloromethane	7.79	83	2560461	10.593	ppbv	100
43) Methyl Methacrylate	8.01	69	1225851	10.693	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 12 15:26:13 2021
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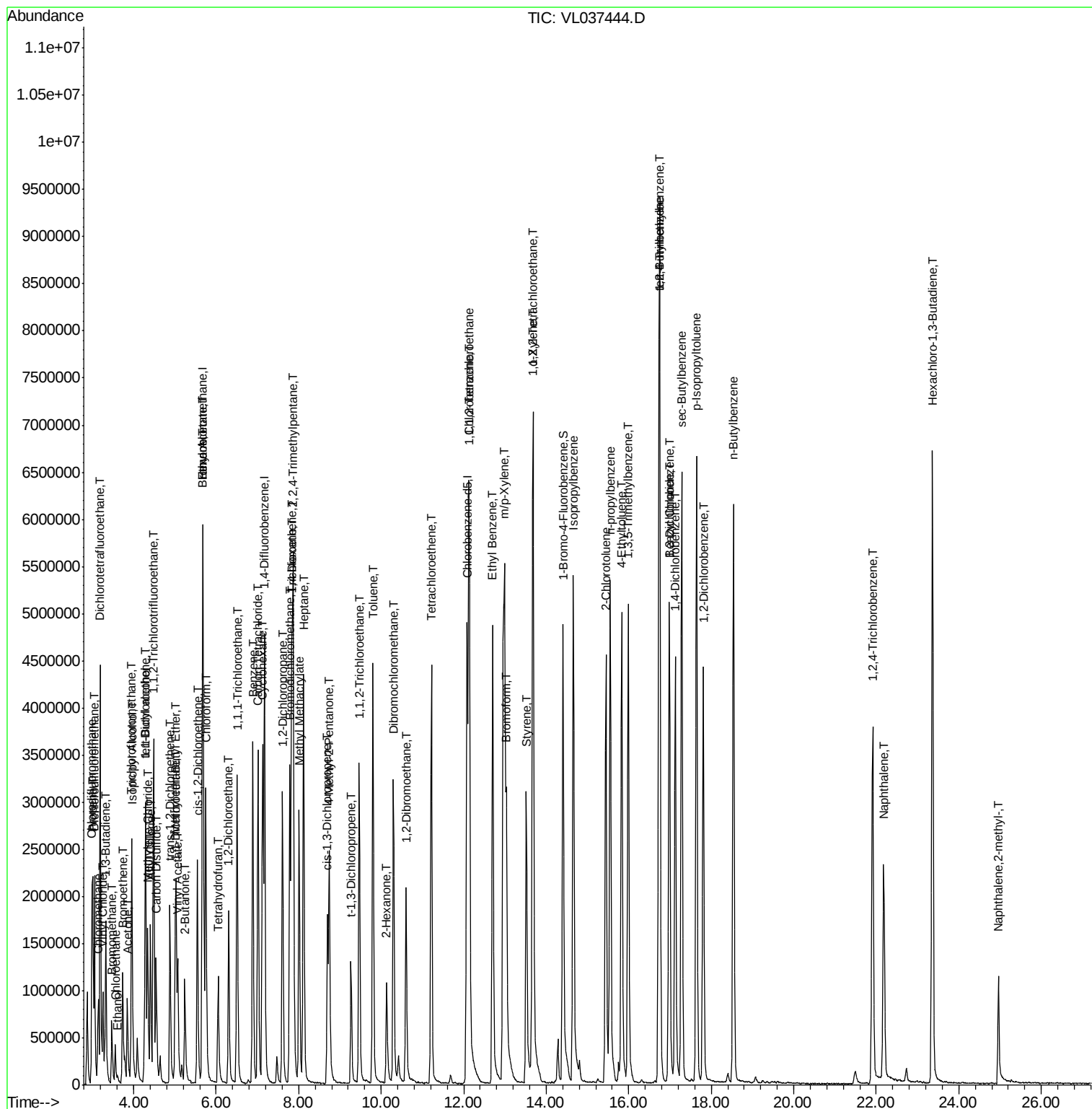
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5617183	9.933	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	807640	9.481	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1097464	9.228	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1357194	9.744	ppbv	98
48) Dibromochloromethane	10.30	129	2142826	10.663	ppbv	98
49) Bromoform	13.03	173	1668060	10.954	ppbv	94
50) 4-Methyl-2-Pentanone	8.74	43	2220539	10.658	ppbv	100
51) 2-Hexanone	10.13	43	1091672	11.137	ppbv #	99
52) Tetrachloroethene	11.22	164	1232583	8.650	ppbv	94
53) Toluene	9.80	91	3956860	10.247	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1899016	10.018	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1468439	8.139	ppbv	98
57) Chlorobenzene	12.14	112	2773676	7.551	ppbv	99
58) Ethyl Benzene	12.70	91	4841227	7.875	ppbv	99
59) m/p-Xylene	12.99	91	4748471	8.792	ppbv #	47
60) o-Xylene	13.69	91	3828729	7.631	ppbv	100
61) Styrene	13.52	104	2130118	8.404	ppbv	99
62) Isopropylbenzene	14.66	105	5566858	7.759	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2759615	7.293	ppbv	99
64) n-propylbenzene	15.55	120	1422263	7.877	ppbv	98
65) tert-Butylbenzene	16.73	119	2680679	4.143	ppbv #	33
66) Benzyl Chloride	16.98	91	130068	4.393	ppbv #	72
67) sec-Butylbenzene	17.28	105	6739858	7.655	ppbv	100
69) p-Isopropyltoluene	17.64	119	5699853	7.888	ppbv	100
70) n-Butylbenzene	18.54	91	5497750	8.186	ppbv	99
71) 2-Chlorotoluene	15.44	91	3925811	7.736	ppbv	100
72) 4-Ethyltoluene	15.83	105	4625321	7.942	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4166638	7.568	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4405860	7.816	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	2656378	7.700	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2556901	7.476	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2546958	7.673	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1952771	7.263	ppbv	99
79) Naphthalene	22.19	128	3243111	10.586	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	836027	12.920	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	1950870	9.372	ppbv	99

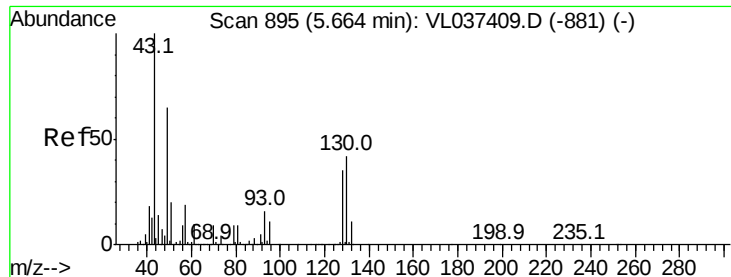
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

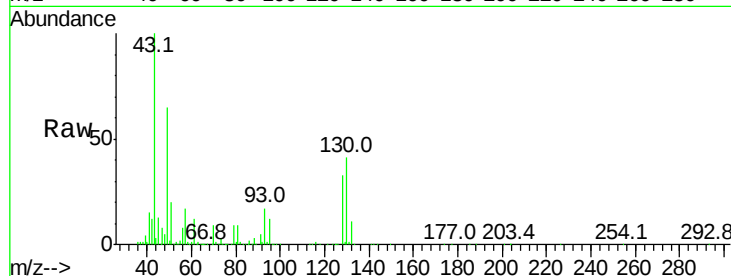
Tgt Ion: 49 Resp: 1328586

Ion Ratio Lower Upper

49 100

128 55.7 27.9 83.6

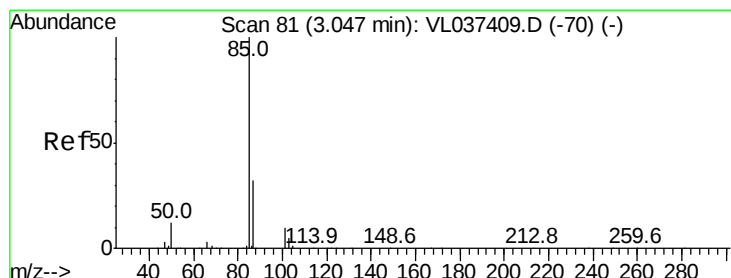
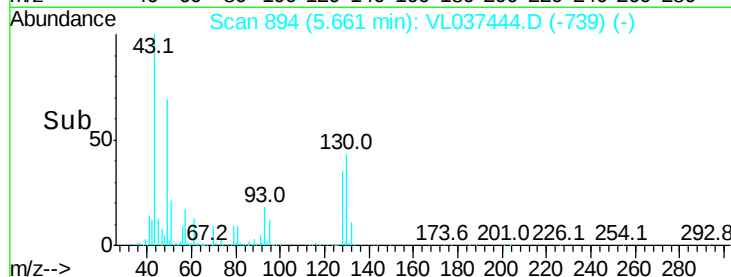
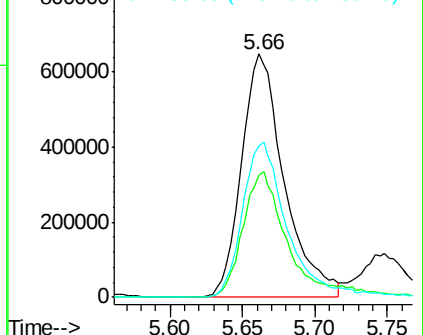
130 68.4 34.6 103.8



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: 8.785 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037444.D

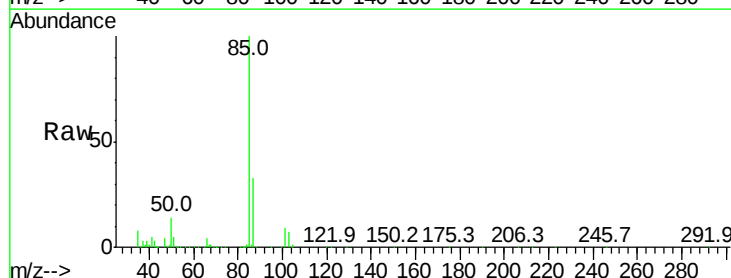
Acq: 13 Aug 2021 11:56

Tgt Ion: 85 Resp: 1783181

Ion Ratio Lower Upper

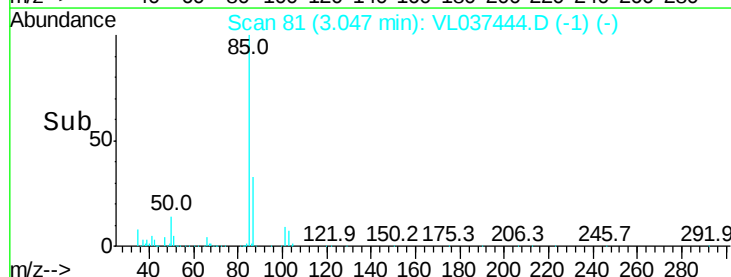
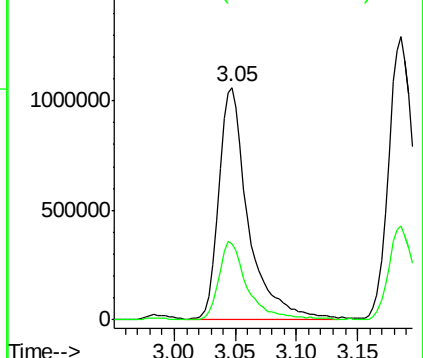
85 100

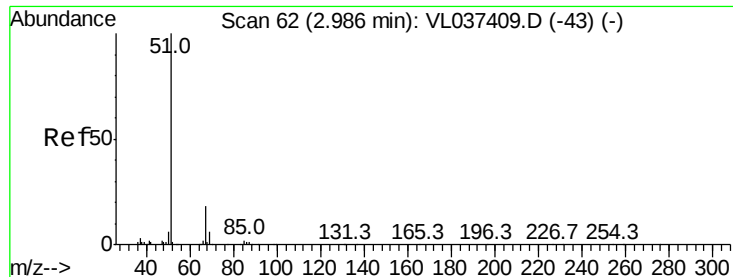
87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.589 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

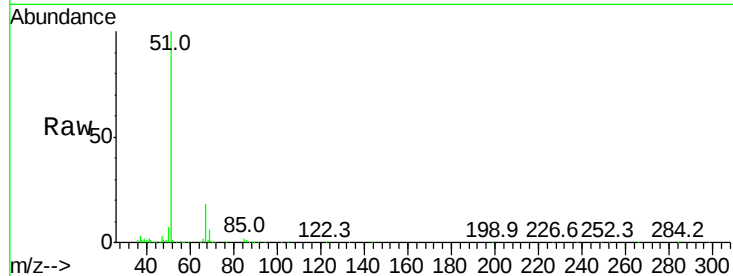
VL0813ABS01

Tgt Ion: 51 Resp: 2501674

Ion Ratio Lower Upper

51 100

67 17.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

1500000

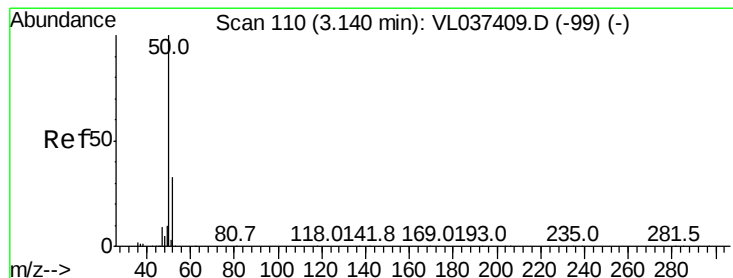
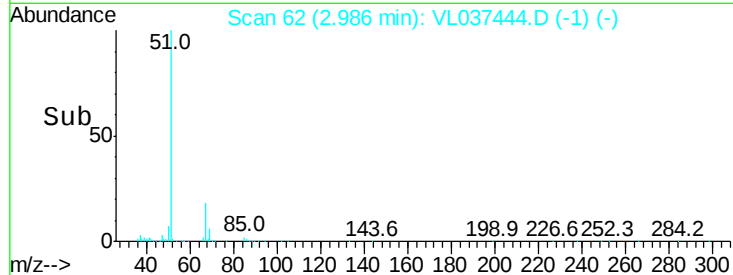
1000000

500000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 9.762 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037444.D

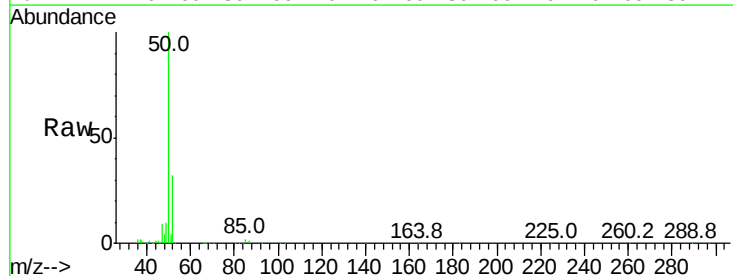
Acq: 13 Aug 2021 11:56

Tgt Ion: 50 Resp: 915539

Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

600000

500000

400000

300000

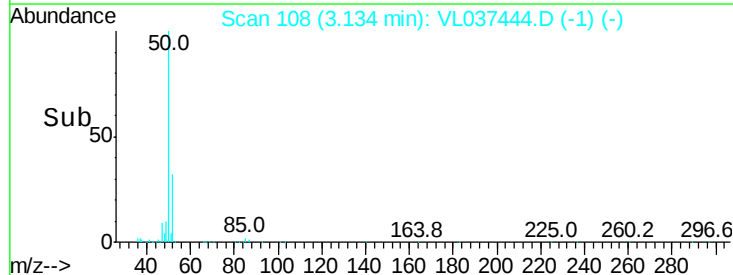
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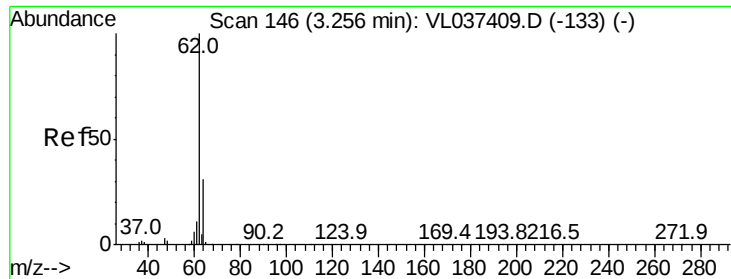
100000

0

Time-->

3.10 3.15





#5

Vinyl Chloride

Concen: 9.509 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037444.D

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Instrument :

MSVOA_L

ClientSampleId :

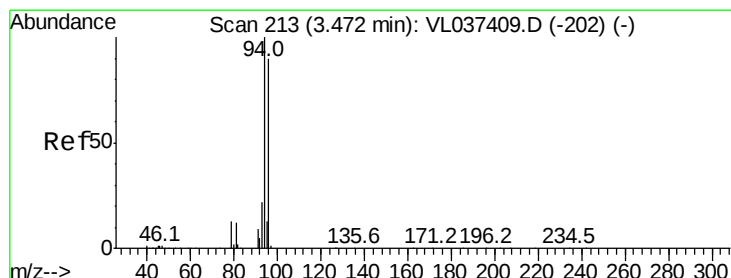
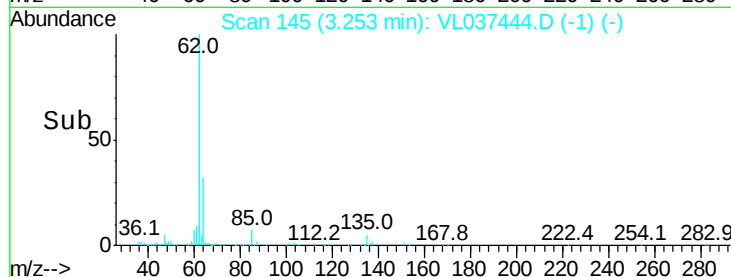
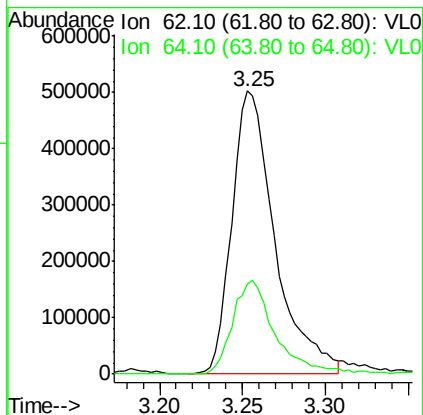
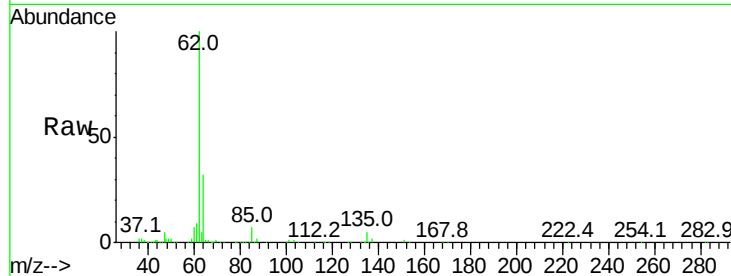
VL0813ABS01

Tgt Ion: 62 Resp: 910947

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6



#6

Bromomethane

Concen: 8.182 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037444.D

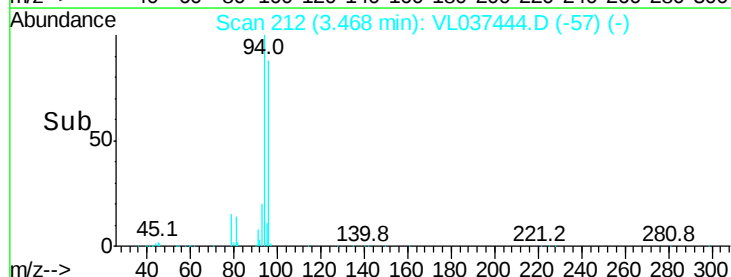
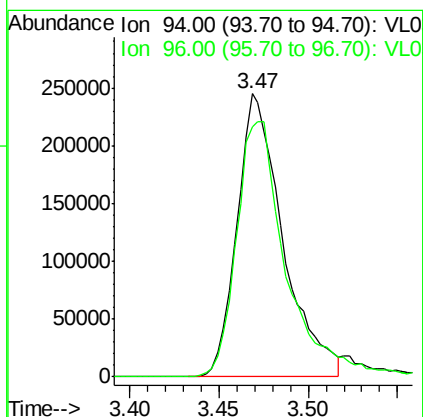
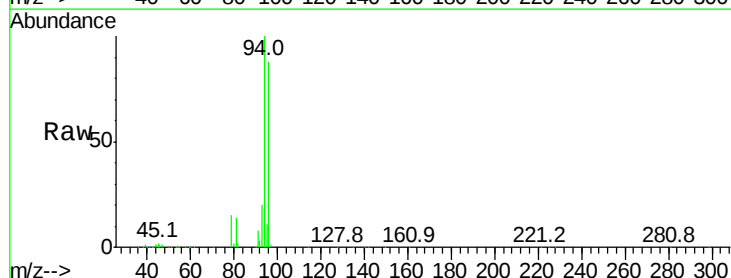
Acq: 13 Aug 2021 11:56

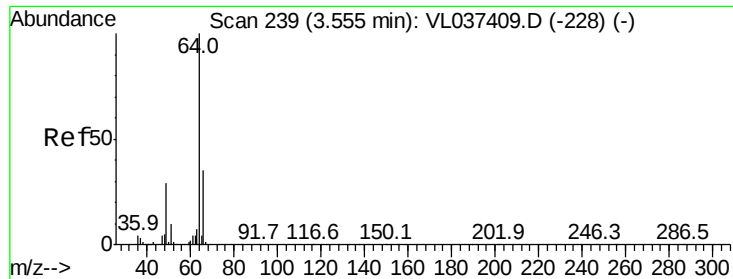
Tgt Ion: 94 Resp: 438437

Ion Ratio Lower Upper

94 100

96 88.1 72.2 108.4





#7

Chloroethane

Concen: 9.130 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

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MSVOA_L

ClientSampleId :

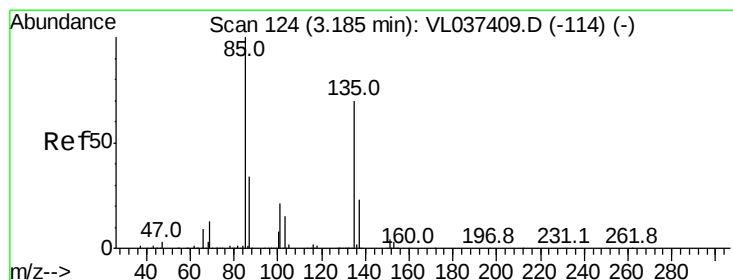
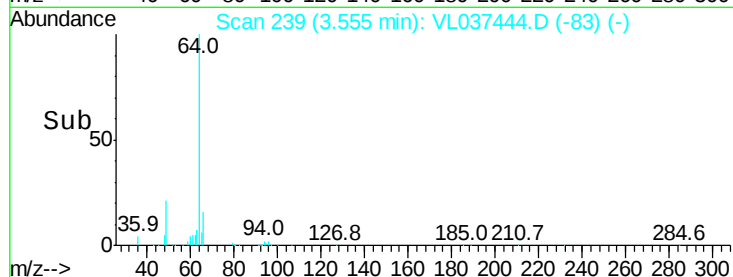
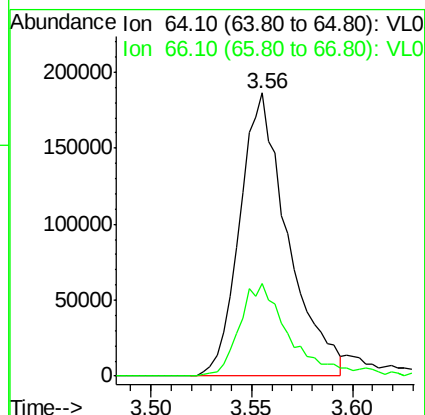
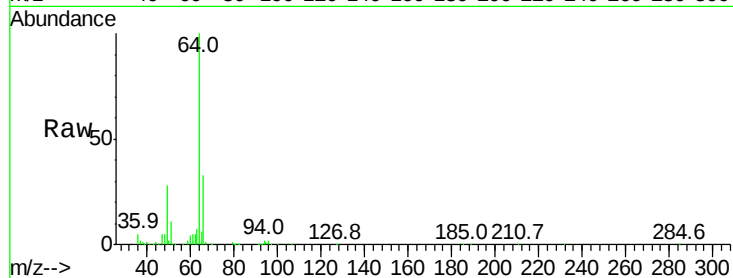
VL0813ABS01

Tgt Ion: 64 Resp: 311499

Ion Ratio Lower Upper

64 100

66 32.6 27.8 41.8



#8

Dichlorotetrafluoroethane

Concen: 9.567 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037444.D

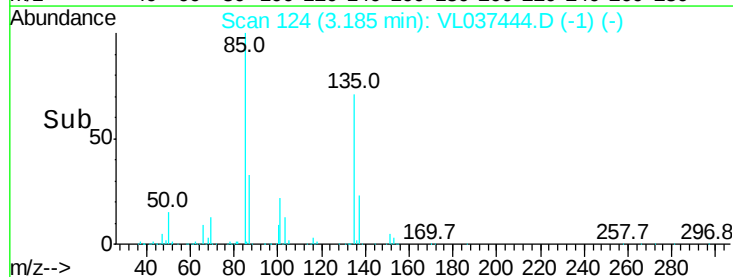
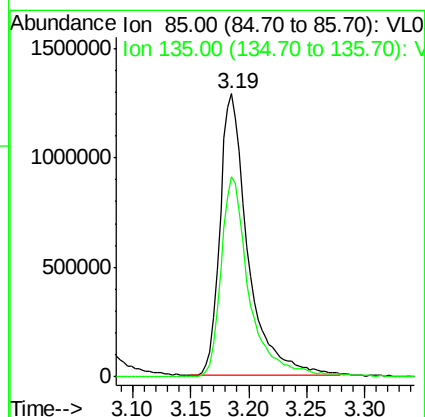
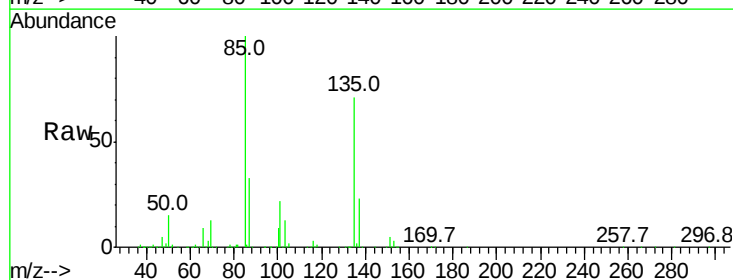
Acq: 13 Aug 2021 11:56

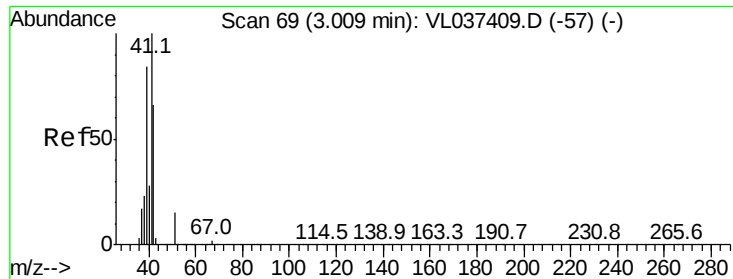
Tgt Ion: 85 Resp: 2167390

Ion Ratio Lower Upper

85 100

135 72.5 58.6 88.0





#9

Propene

Concen: 9.994 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

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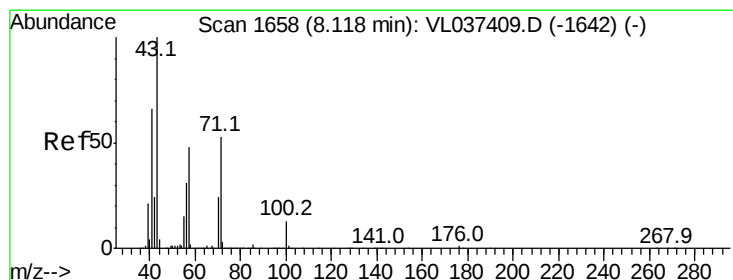
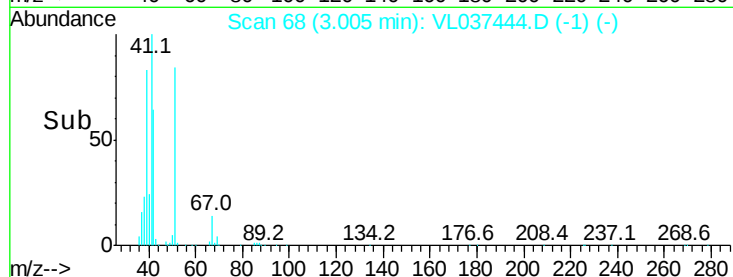
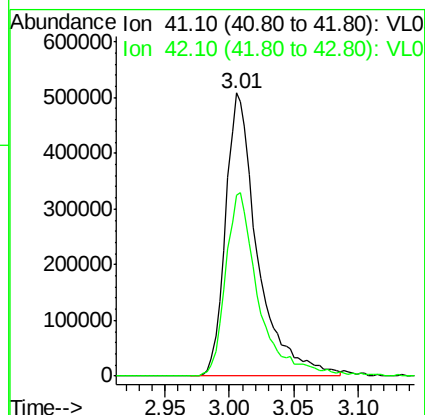
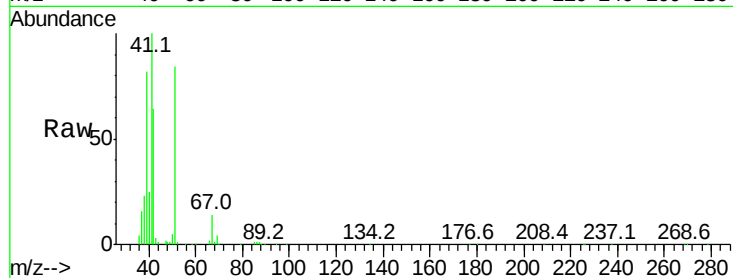
VL0813ABS01

Tgt Ion: 41 Resp: 875529

Ion Ratio Lower Upper

41 100

42 67.4 53.8 80.8



#10

Heptane

Concen: 10.131 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL037444.D

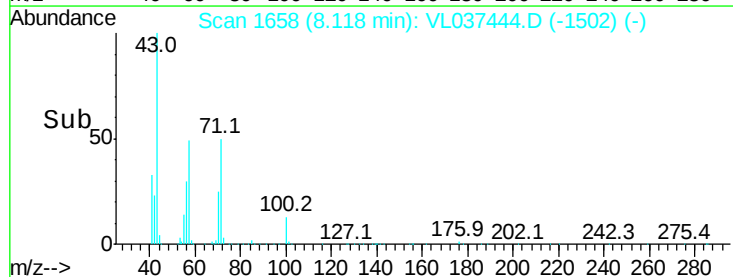
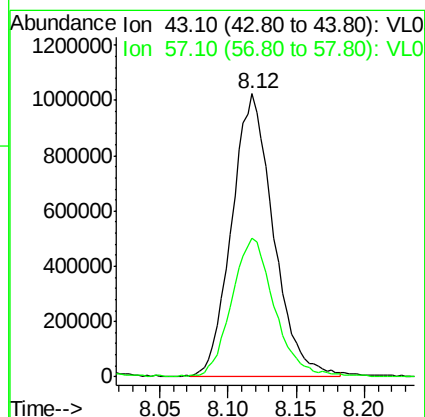
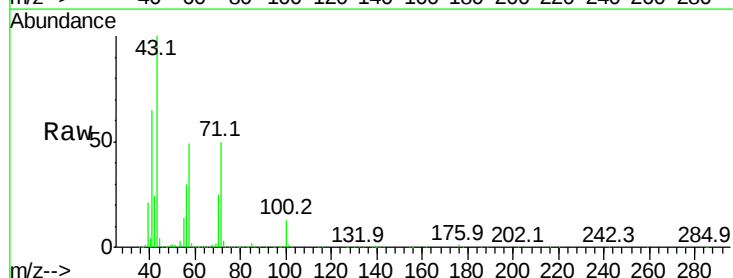
Acq: 13 Aug 2021 11:56

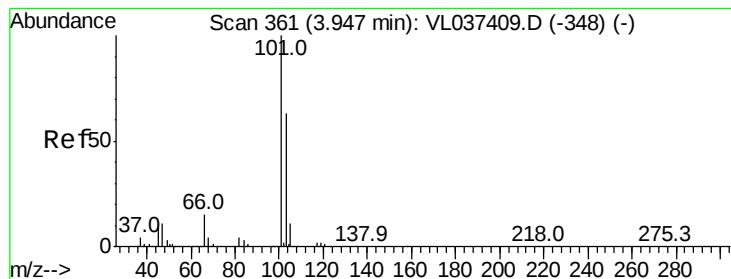
Tgt Ion: 43 Resp: 2158287

Ion Ratio Lower Upper

43 100

57 50.6 40.3 60.5





#11

Trichlorofluoromethane

Concen: 9.154 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

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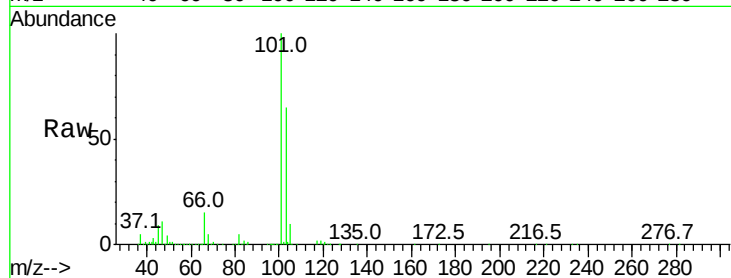
VL0813ABS01

Tgt Ion:101 Resp: 2010665

Ion Ratio Lower Upper

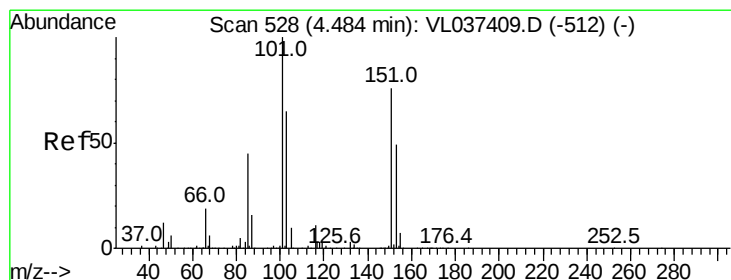
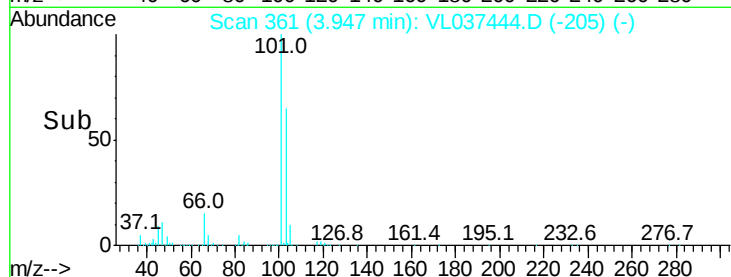
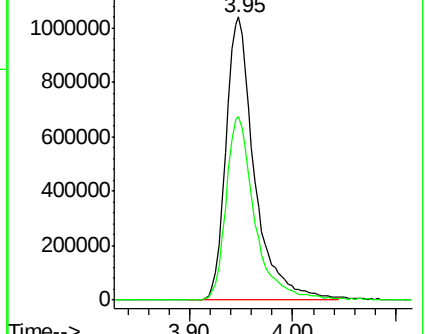
101 100

103 64.9 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.643 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL037444.D

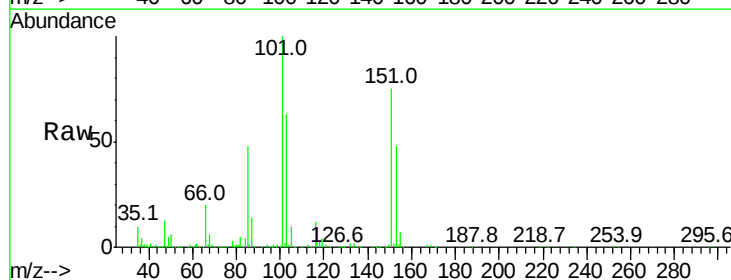
Acq: 13 Aug 2021 11:56

Tgt Ion:101 Resp: 1483699

Ion Ratio Lower Upper

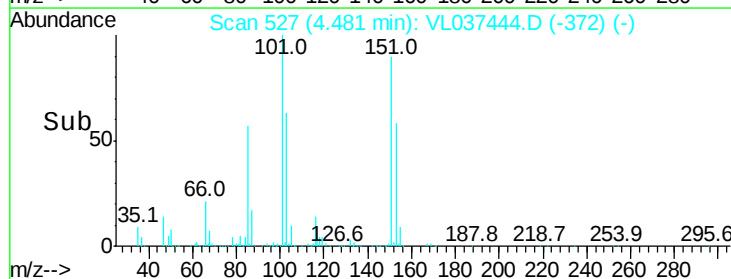
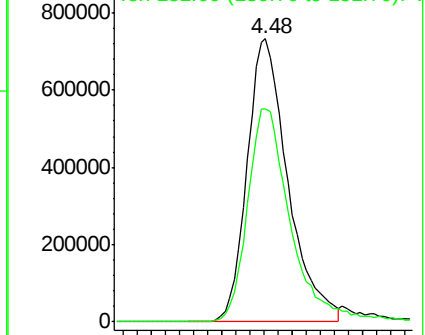
101 100

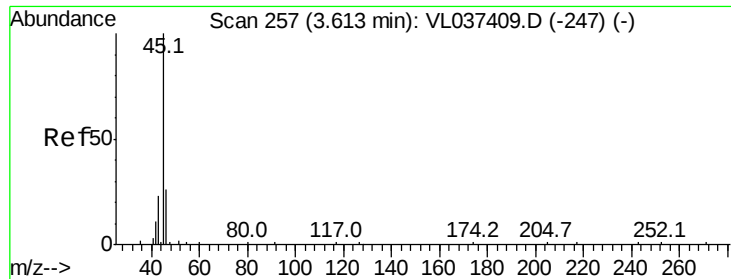
151 80.0 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 2.492 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

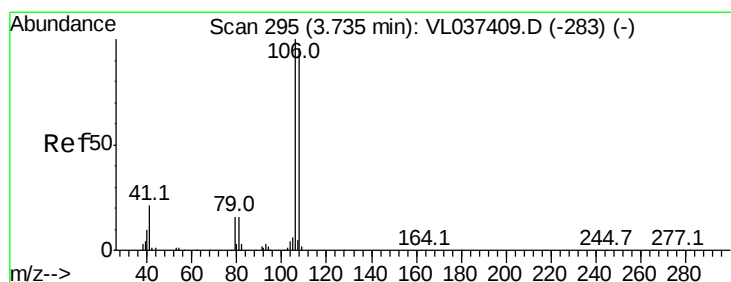
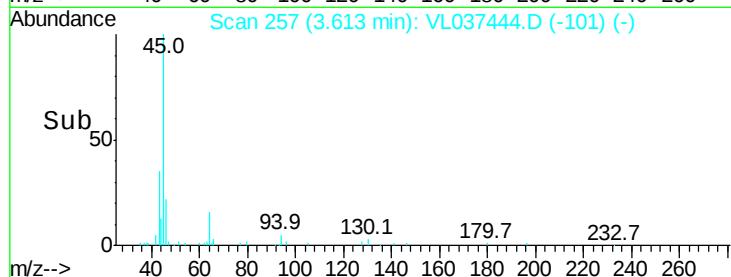
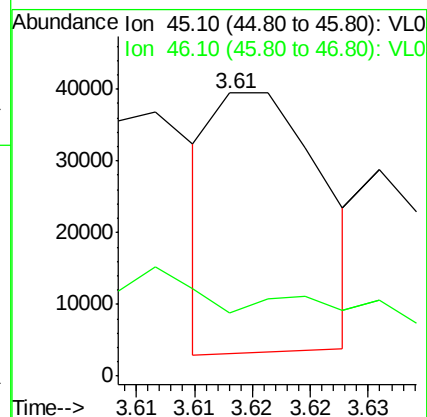
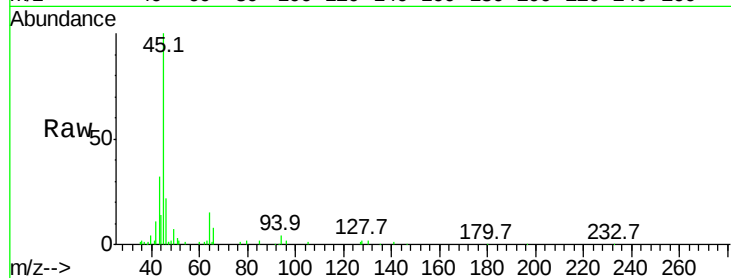
VL0813ABS01

Tgt Ion: 45 Resp: 23297

Ion Ratio Lower Upper

45 100

46 0.0 18.0 72.2#



#14

Bromoethene

Concen: 9.395 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

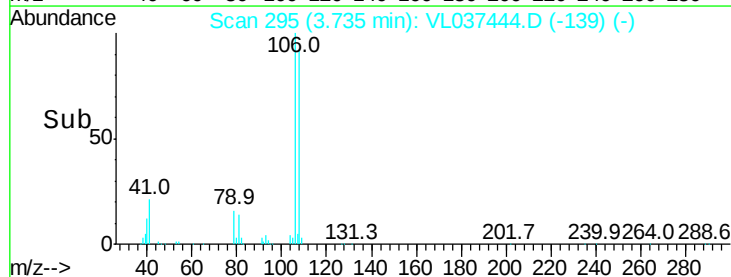
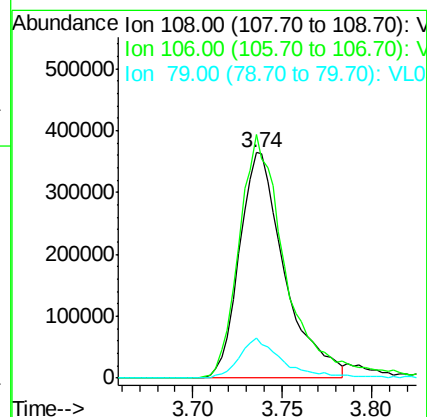
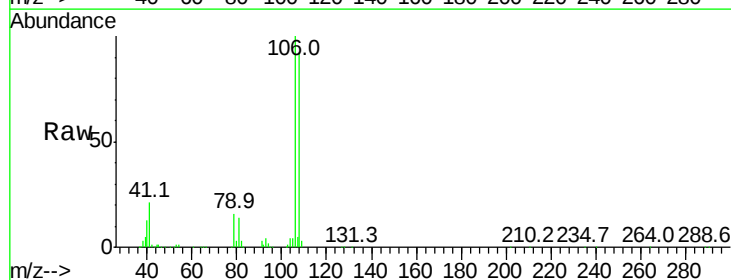
Tgt Ion: 108 Resp: 642986

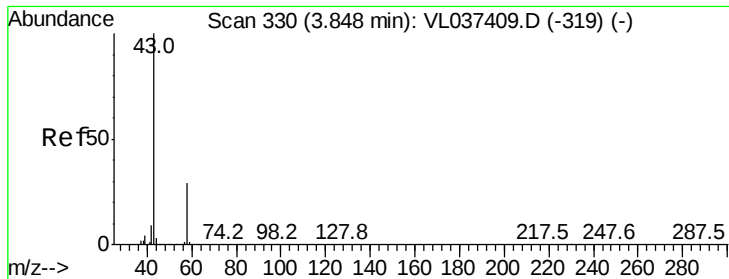
Ion Ratio Lower Upper

108 100

106 114.5 87.5 131.3

79 17.9 13.5 20.3

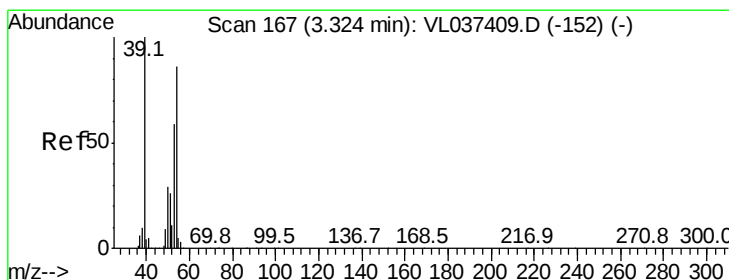
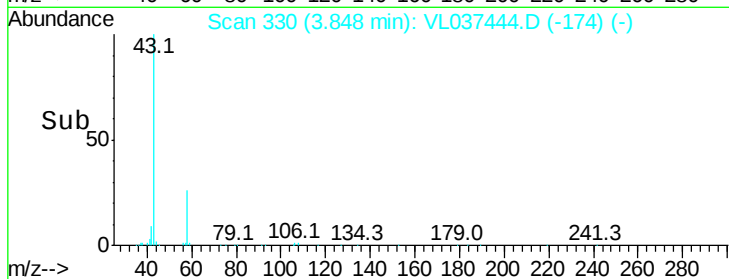
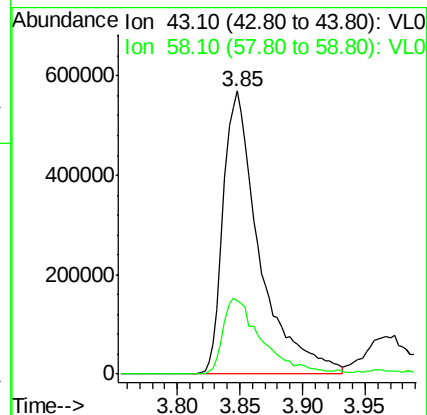
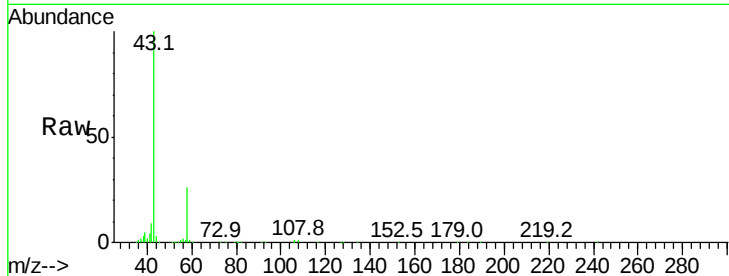




#15
Acetone
Concen: 8.091 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

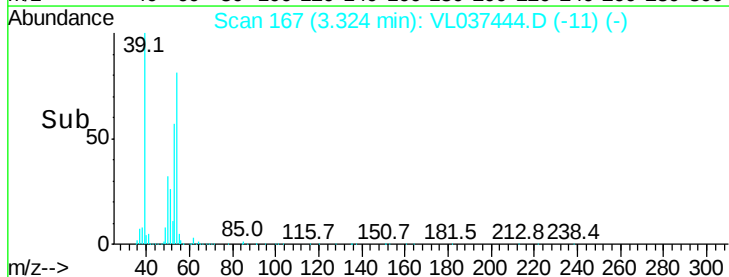
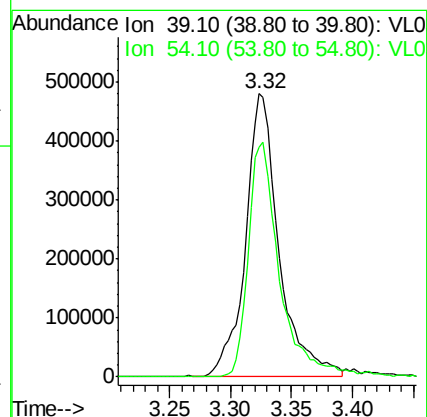
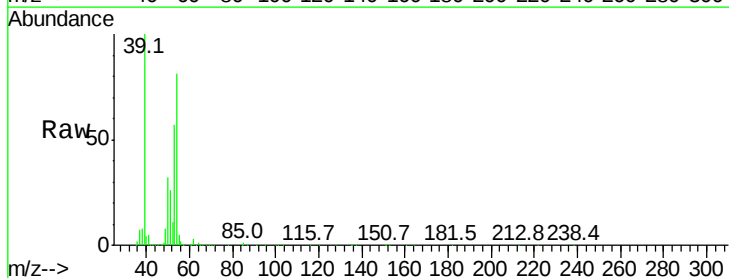
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

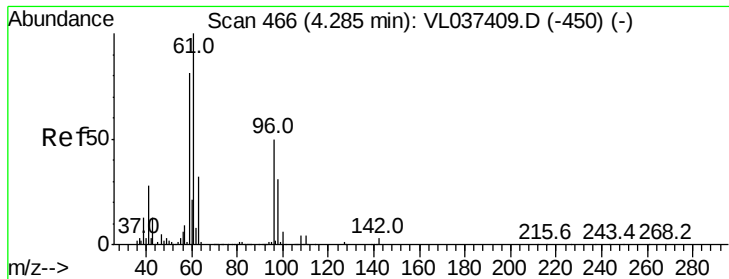
Tgt Ion: 43 Resp: 1140057
Ion Ratio Lower Upper
43 100
58 29.2 24.4 36.6



#16
1,3-Butadiene
Concen: 9.565 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 39 Resp: 904566
Ion Ratio Lower Upper
39 100
54 78.5 61.4 92.0



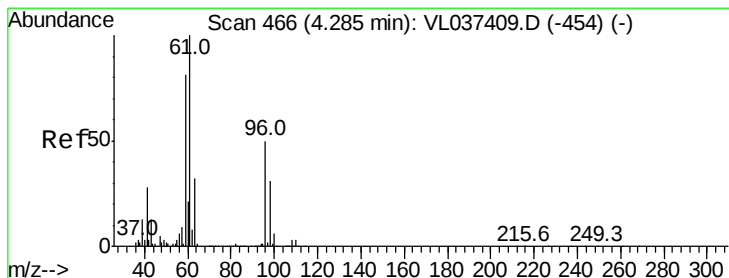
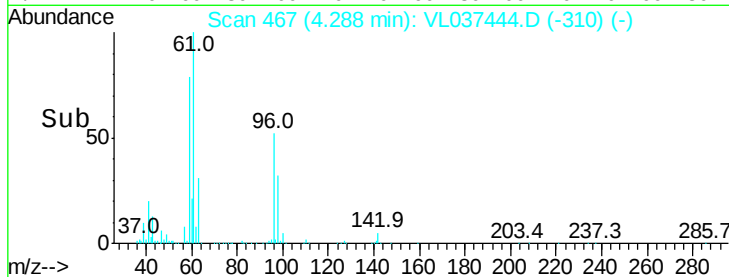
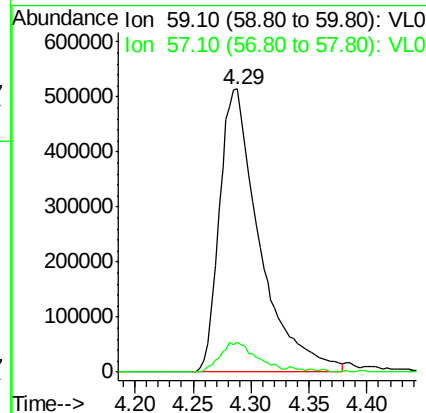
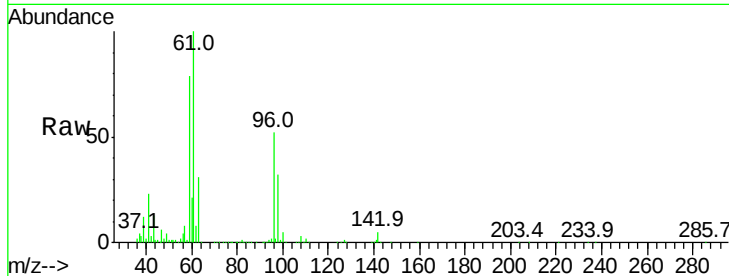


#17

tert-Butyl alcohol
Concen: 9.230 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

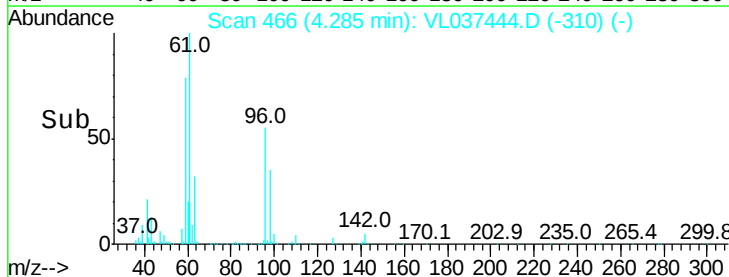
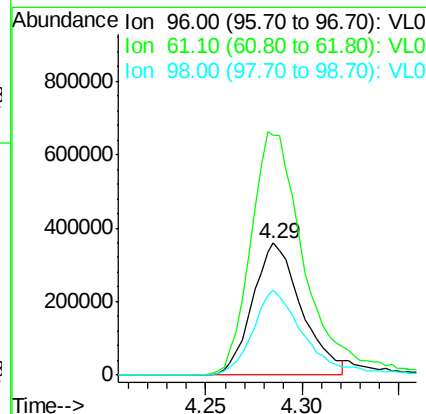
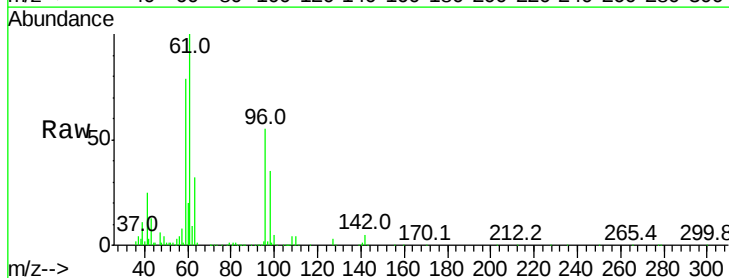
Tgt Ion: 59 Resp: 1241293
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

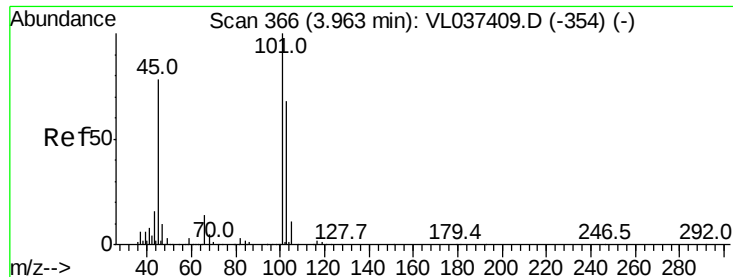


#18

1,1-Dichloroethene
Concen: 8.872 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 96 Resp: 633785
Ion Ratio Lower Upper
96 100
61 182.0 159.0 238.4
98 64.2 49.4 74.2





#19

Isopropyl Alcohol

Concen: 8.399 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

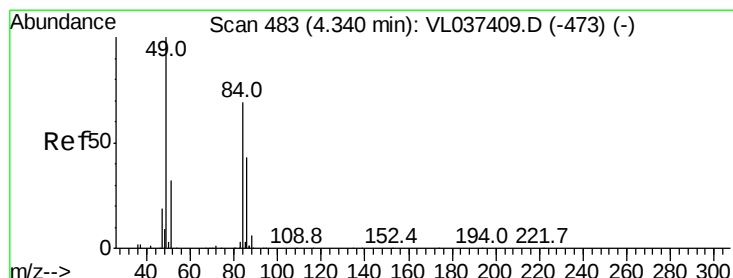
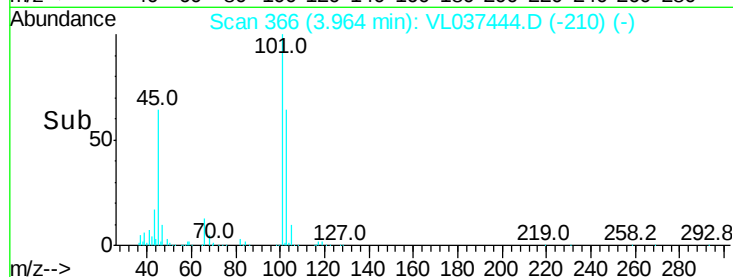
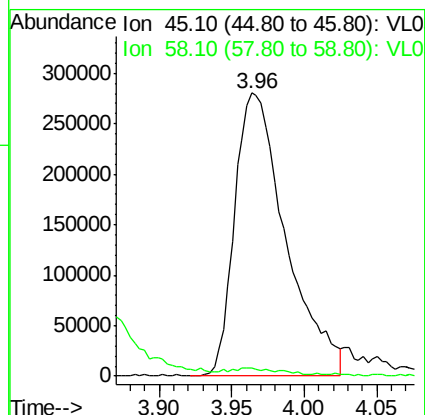
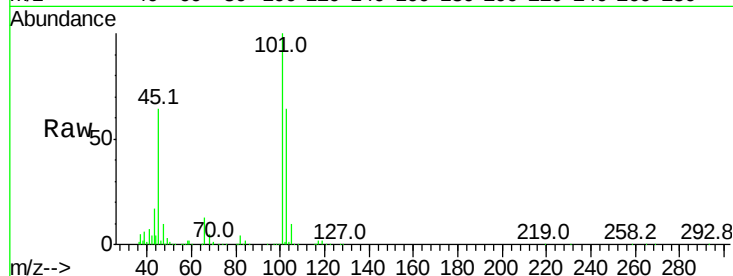
VL0813ABS01

Tgt Ion: 45 Resp: 688695

Ion Ratio Lower Upper

45 100

58 4.1 2.2 3.4#



#20

Methylene Chloride

Concen: 8.243 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion: 84 Resp: 614097

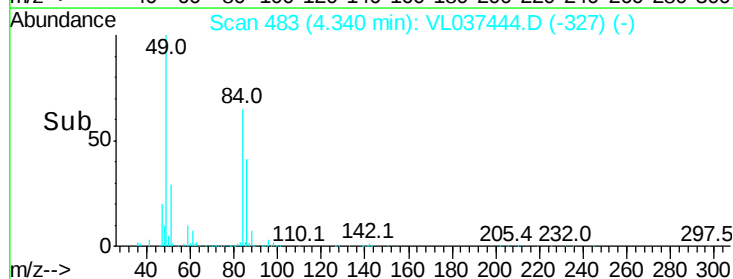
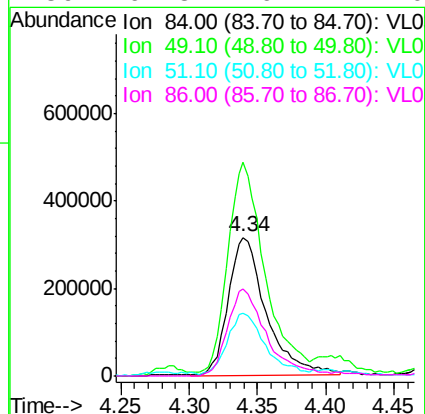
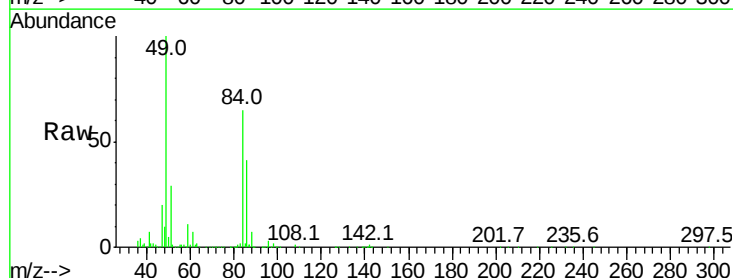
Ion Ratio Lower Upper

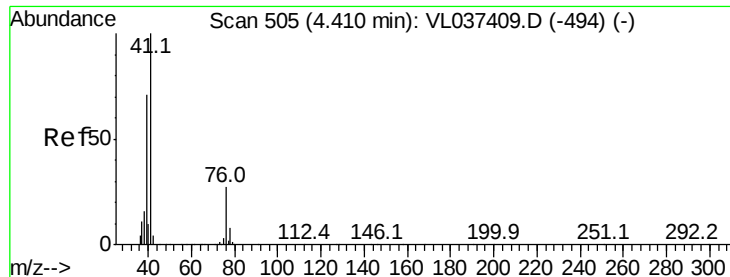
84 100

49 152.2 116.0 174.0

51 42.9 37.1 55.7

86 62.8 49.4 74.0





#21

Allyl Chloride

Concen: 9.312 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

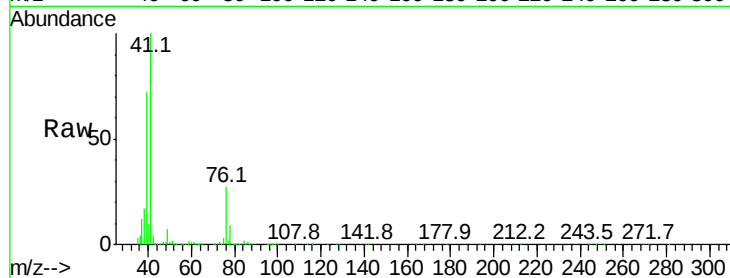
Tgt Ion: 41 Resp: 1028082

Ion Ratio Lower Upper

41 100

76 29.5 23.7 35.5

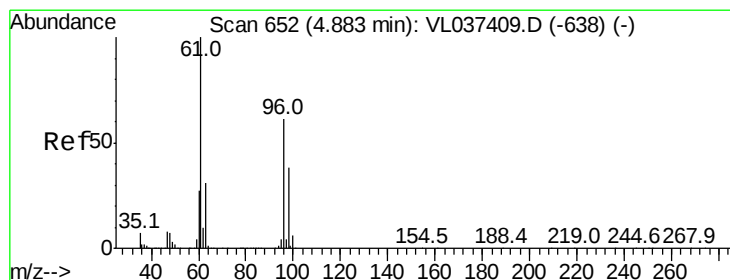
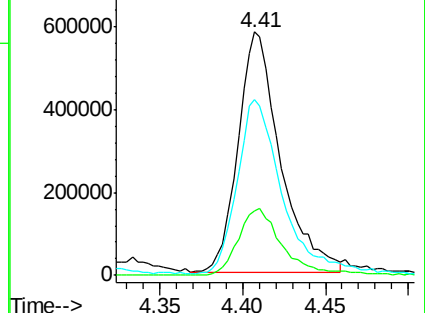
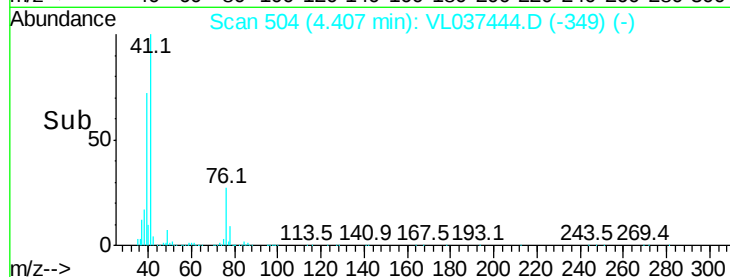
39 78.0 62.3 93.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.372 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

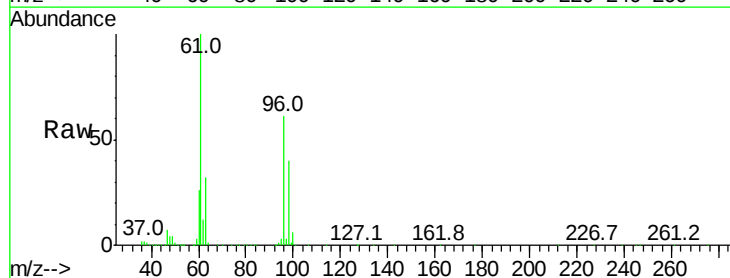
Tgt Ion: 96 Resp: 695036

Ion Ratio Lower Upper

96 100

61 163.5 131.0 196.4

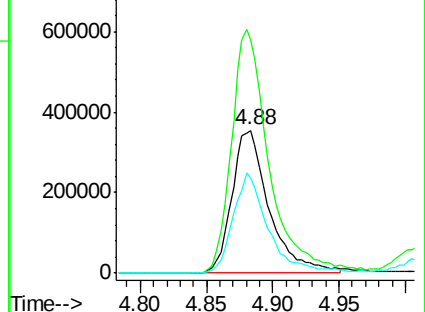
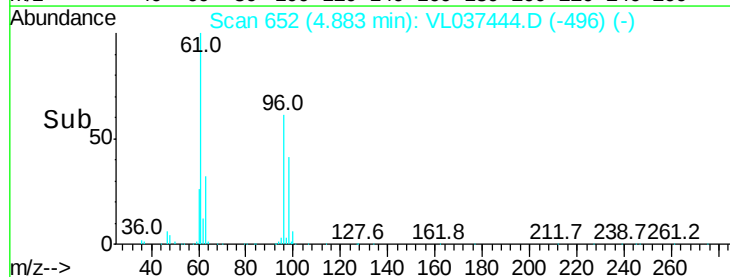
98 66.2 50.2 75.4

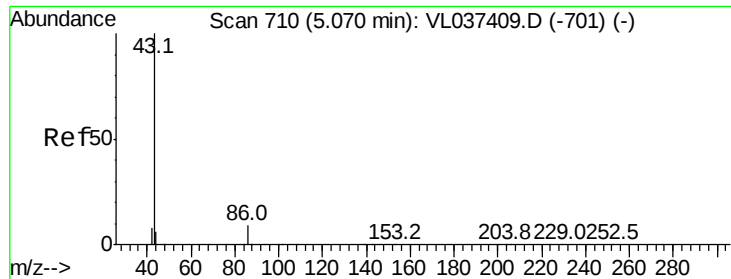


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 7.548 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tgt Ion: 43 Resp: 1631818

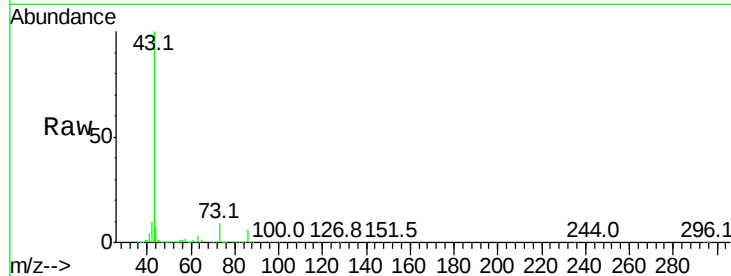
Ion Ratio Lower Upper

43 100

86 6.3 5.8 8.8

42 9.3 7.7 11.5

44 6.1 4.0 6.0#

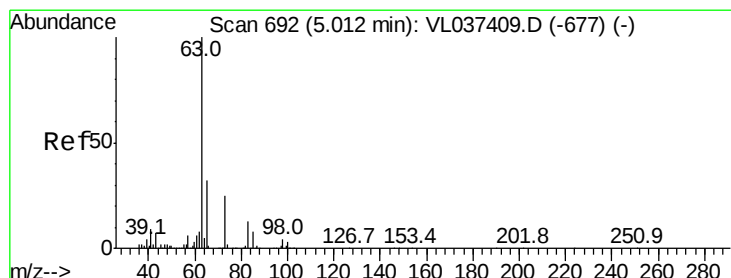
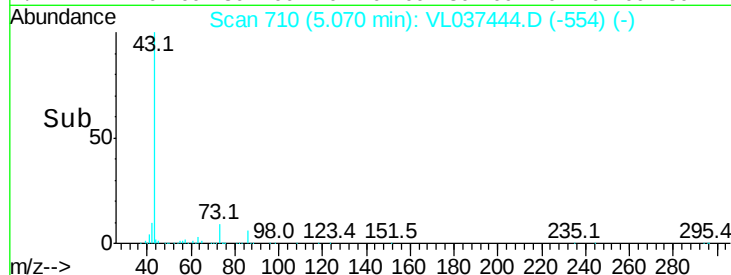
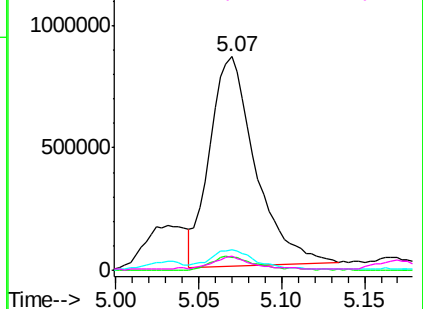


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.198 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

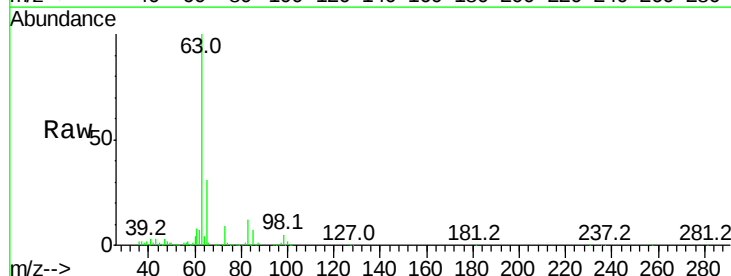
Tgt Ion: 63 Resp: 1376601

Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.3

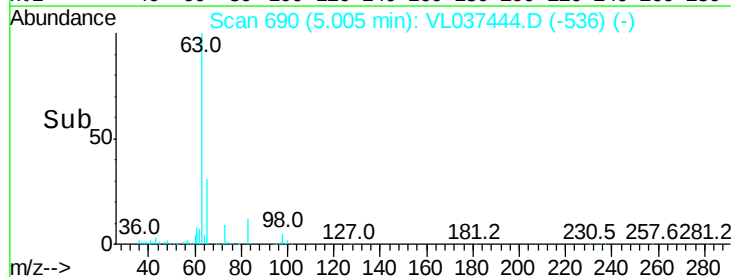
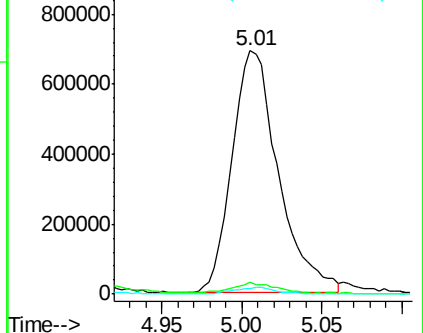
100 2.4 1.6 4.7

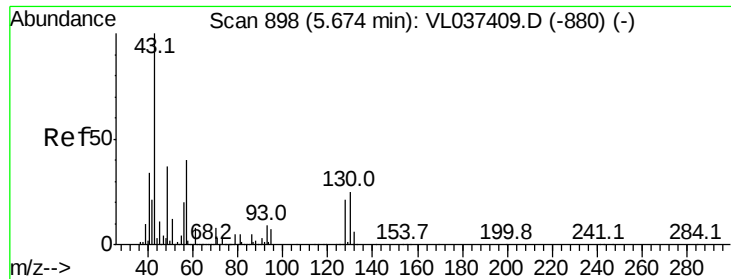


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

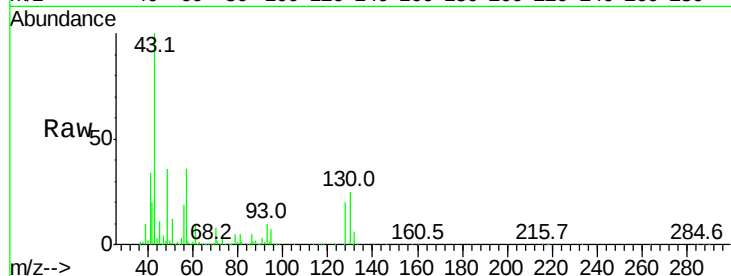




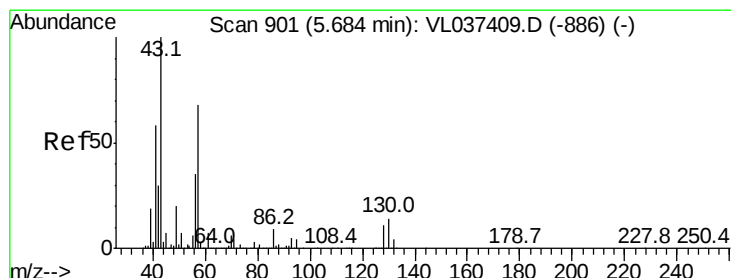
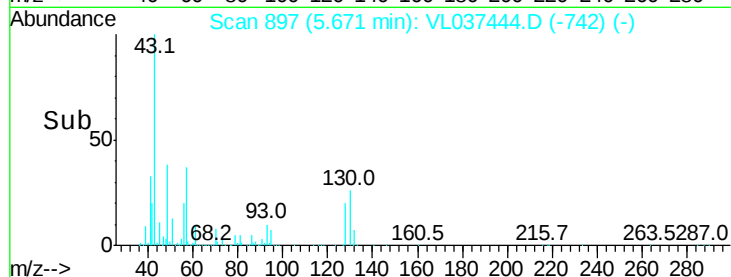
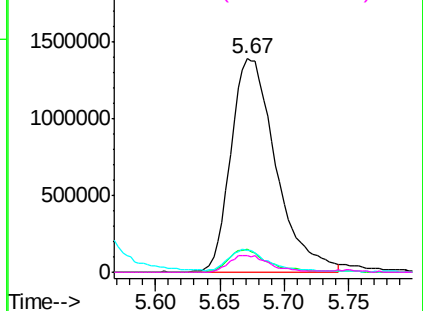
#25
Ethyl Acetate
Concen: 10.039 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 43 Resp: 3371000
Ion Ratio Lower Upper
43 100
45 9.7 7.9 11.9
61 9.5 7.7 11.5
70 7.4 5.8 8.6

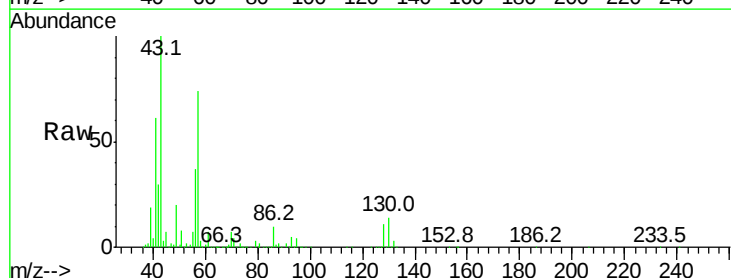


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

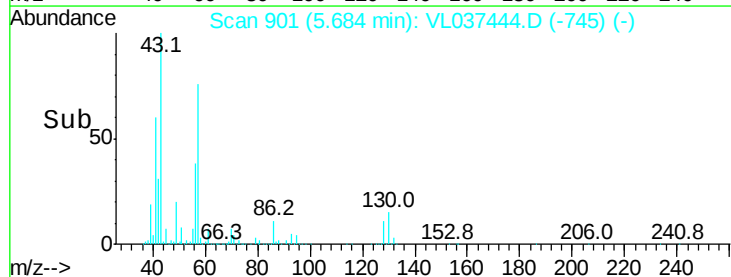
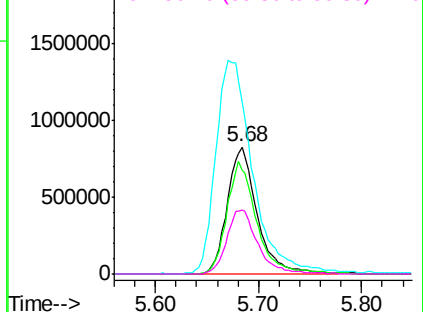


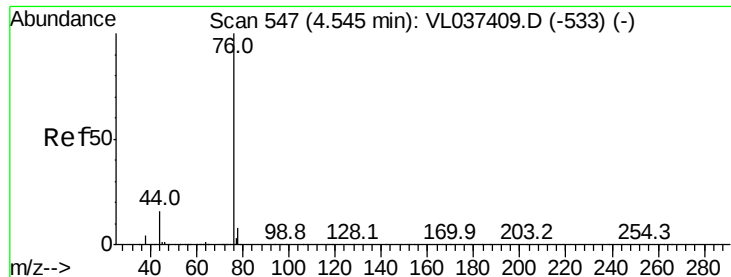
#26
Hexane
Concen: 9.645 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 57 Resp: 1671479
Ion Ratio Lower Upper
57 100
41 88.7 72.5 108.7
43 208.1 169.3 253.9
56 52.8 42.3 63.5



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.192 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

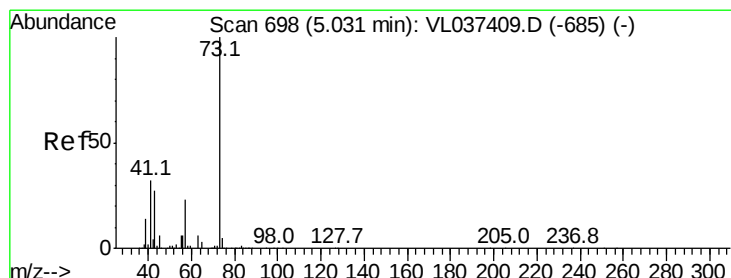
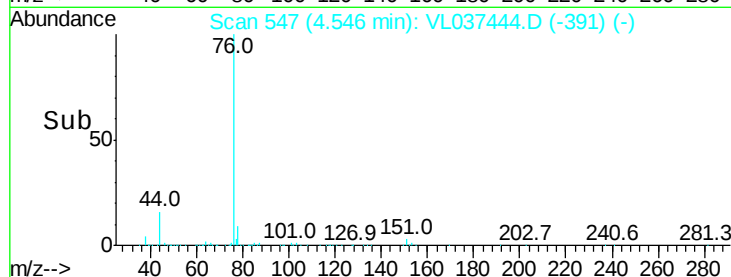
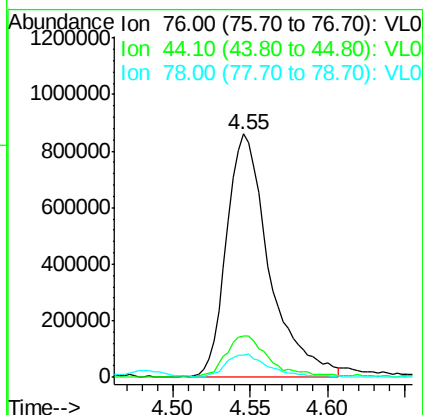
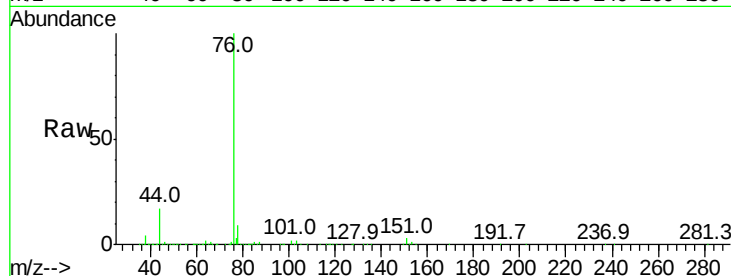
Tgt Ion: 76 Resp: 1635139

Ion Ratio Lower Upper

76 100

44 17.9 14.4 21.6

78 9.8 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 7.973 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL037444.D

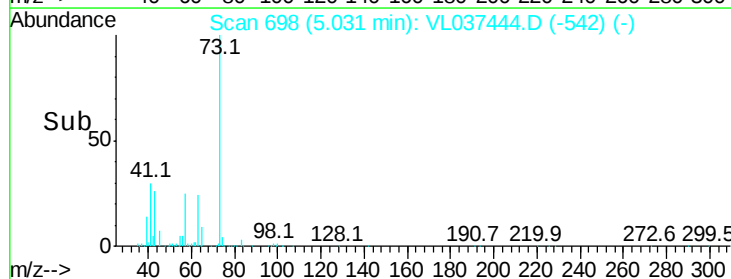
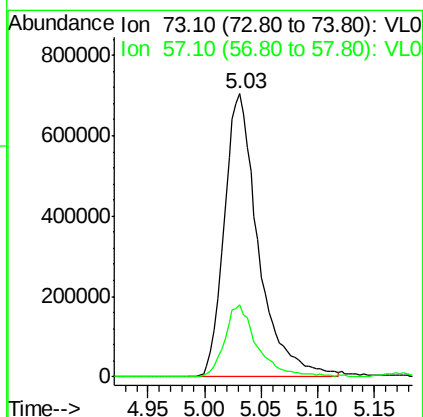
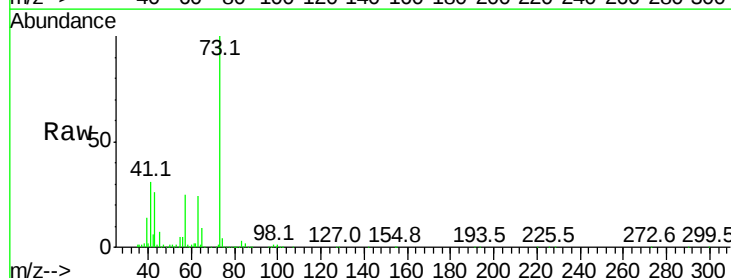
Acq: 13 Aug 2021 11:56

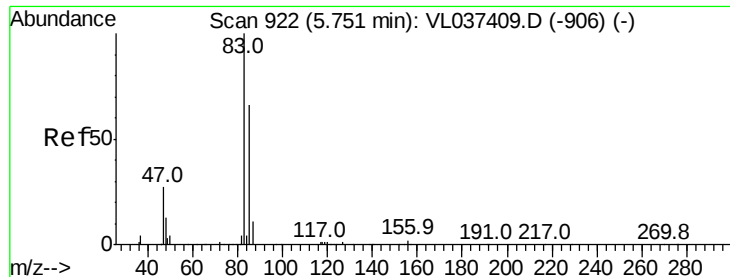
Tgt Ion: 73 Resp: 1478681

Ion Ratio Lower Upper

73 100

57 24.4 19.0 28.4





#29

Chloroform

Concen: 9.865 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

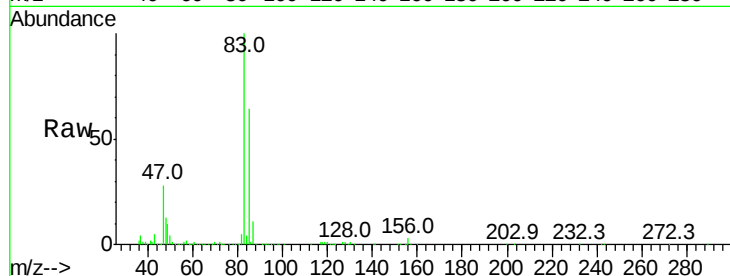
VL0813ABS01

Tgt Ion: 83 Resp: 2406750

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.75

1200000

1000000

800000

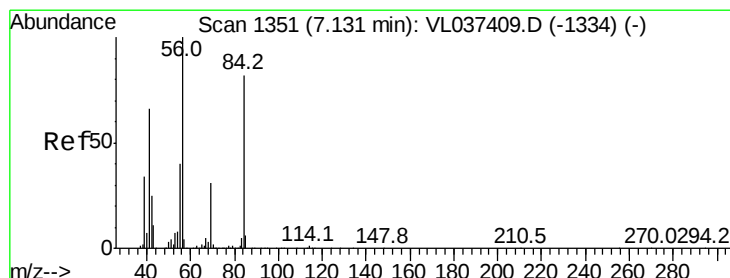
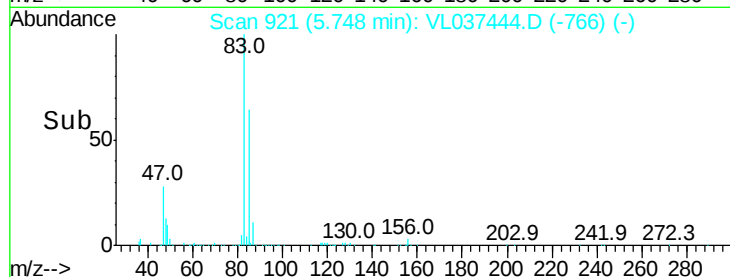
600000

400000

200000

0

Time-->



#30

Cyclohexane

Concen: 9.702 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

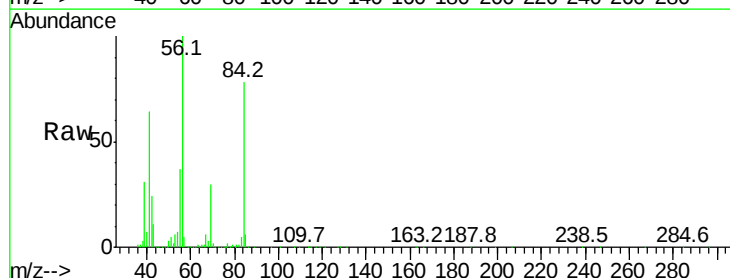
Tgt Ion: 84 Resp: 1384607

Ion Ratio Lower Upper

84 100

56 138.0 109.6 164.4

41 84.8 66.6 99.8



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

1000000

800000

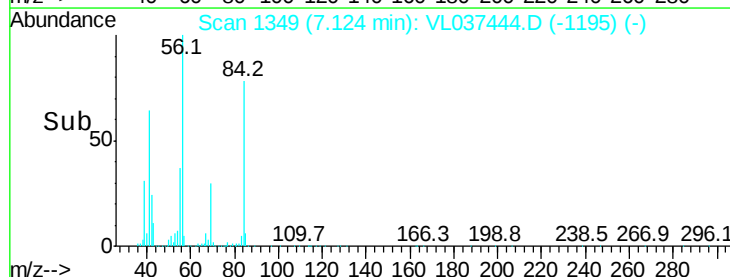
600000

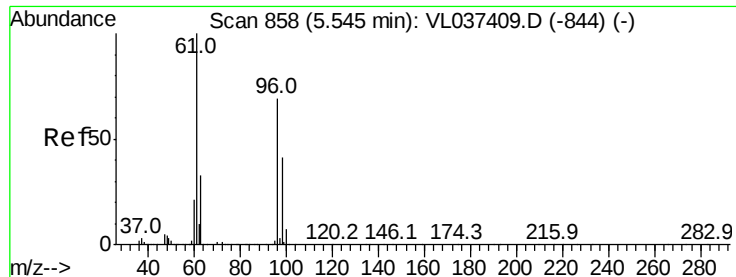
400000

200000

0

Time-->



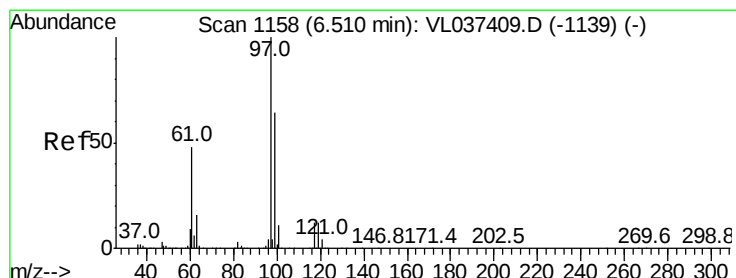
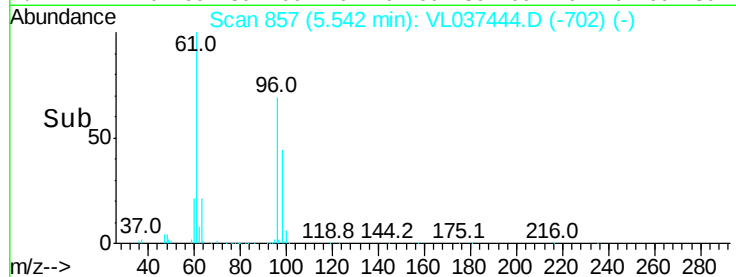
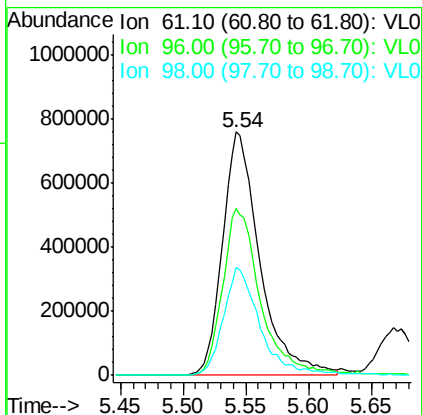
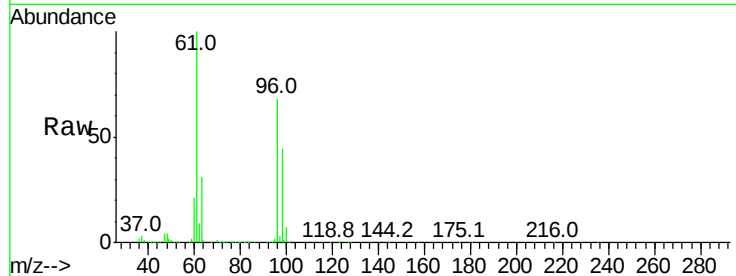


#31

cis-1,2-Dichloroethene
 Concen: 10.389 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

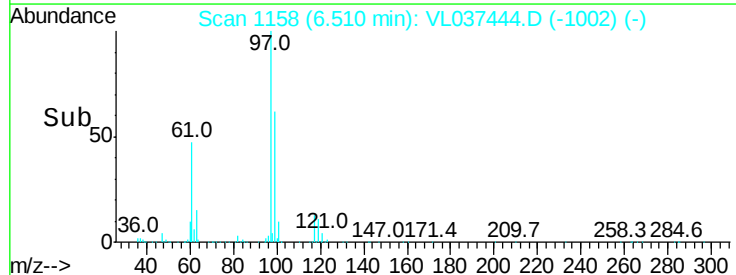
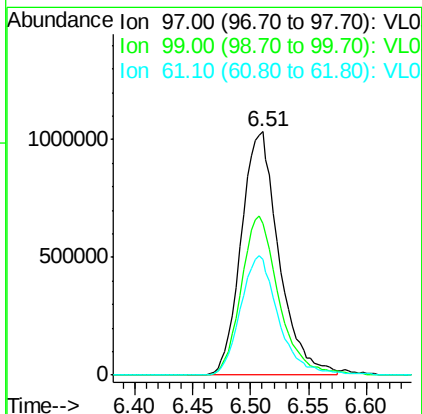
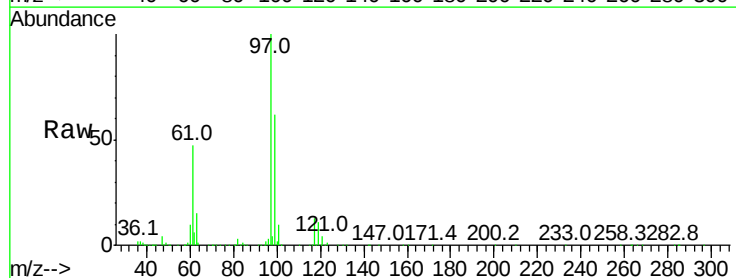
Tgt Ion: 61 Resp: 1556173
 Ion Ratio Lower Upper
 61 100
 96 68.5 55.5 83.3
 98 44.0 33.1 49.7

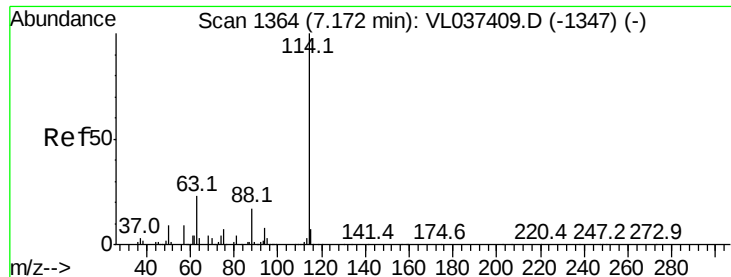


#32

1,1,1-Trichloroethane
 Concen: 9.510 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion: 97 Resp: 2341684
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.3 78.5
 61 49.4 40.1 60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.00 min

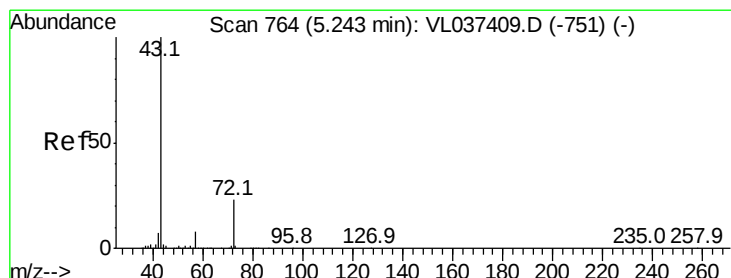
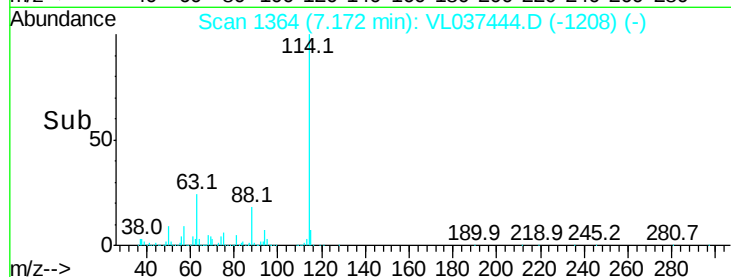
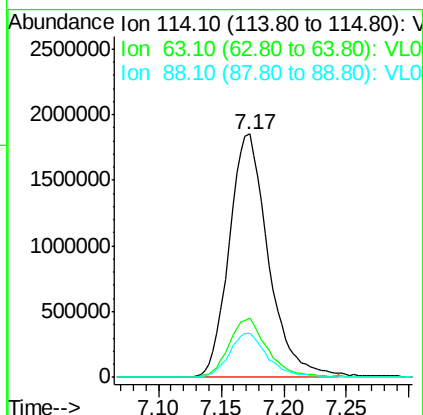
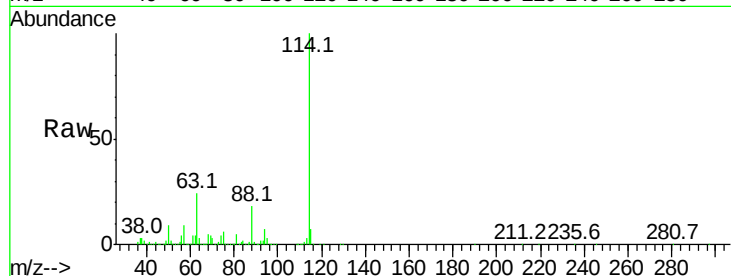
Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:114 Resp: 4011284

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.4	29.2
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 8.866 ppbv

RT: 5.24 min Scan# 763

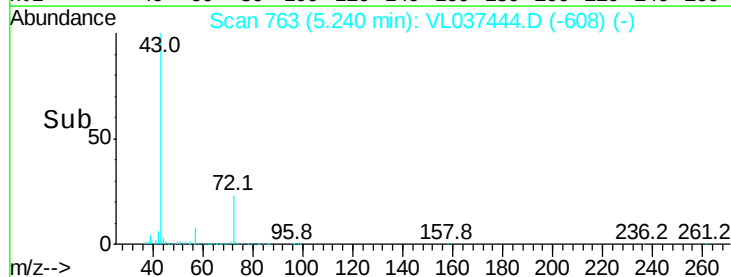
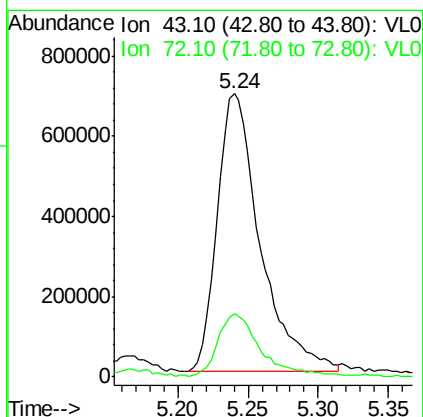
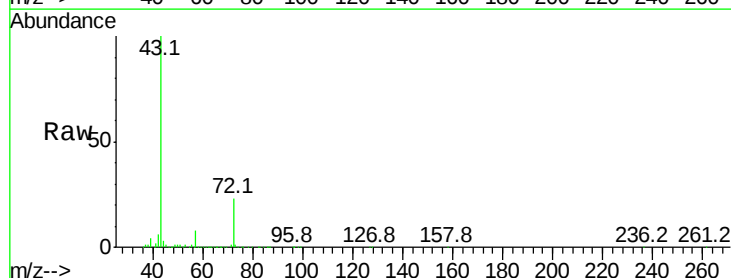
Delta R.T. -0.00 min

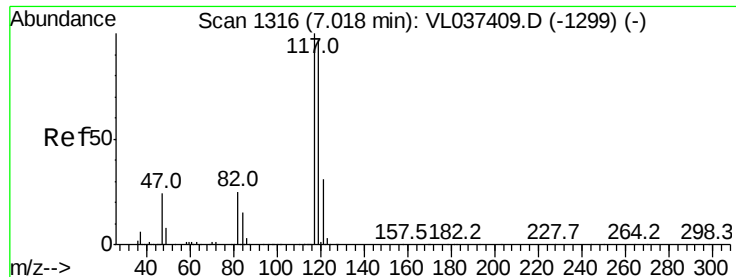
Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion: 43 Resp: 1468290

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5





#35

Carbon Tetrachloride

Concen: 9.880 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

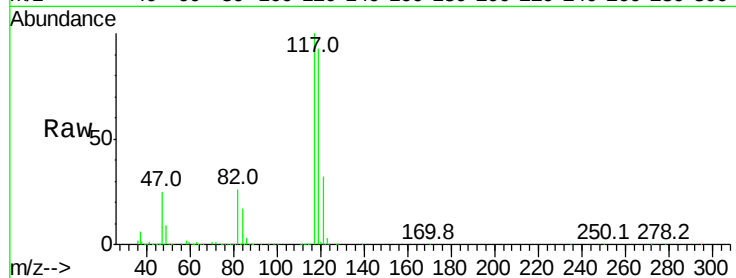
Tgt Ion:117 Resp: 2443871

Ion Ratio Lower Upper

117 100

119 93.3 77.5 116.3

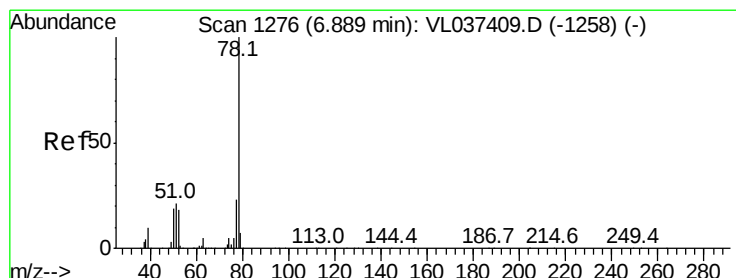
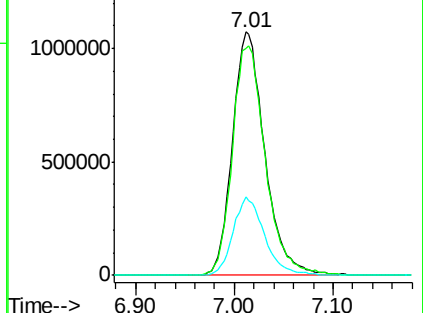
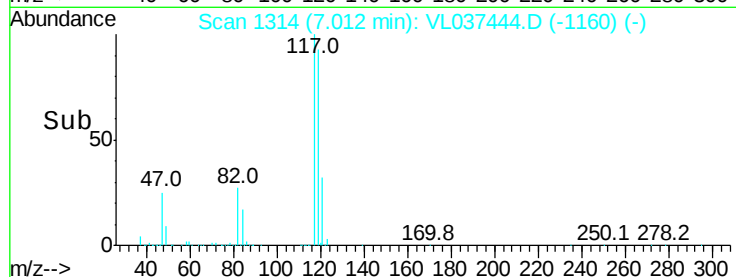
121 32.1 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.010 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

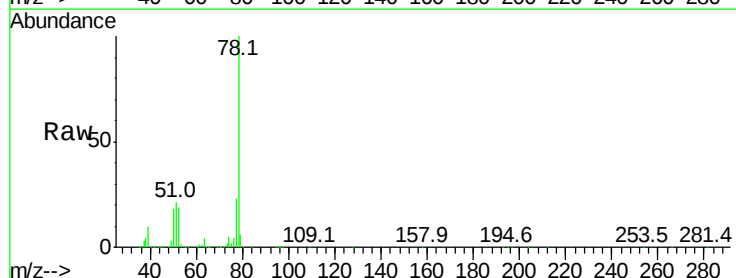
Tgt Ion: 78 Resp: 3385671

Ion Ratio Lower Upper

78 100

77 23.5 18.6 27.8

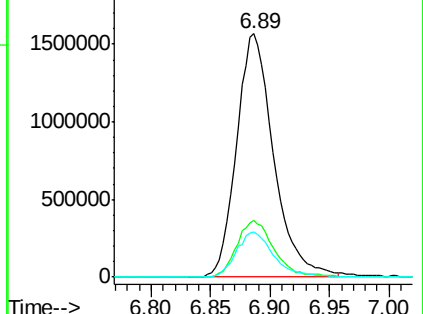
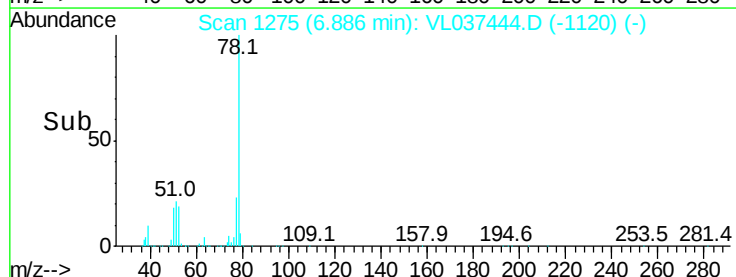
50 18.4 14.9 22.3

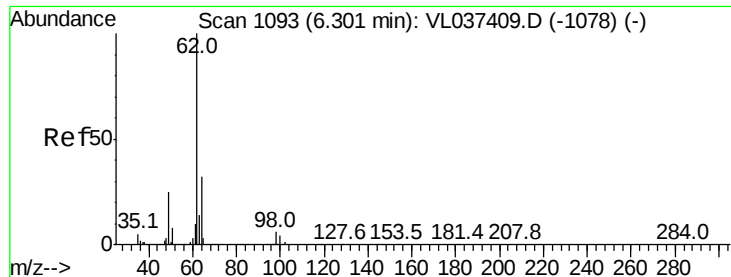


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

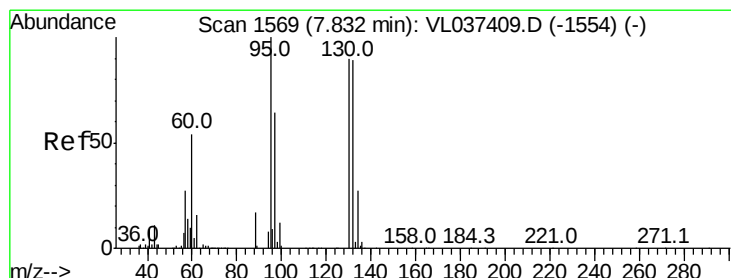
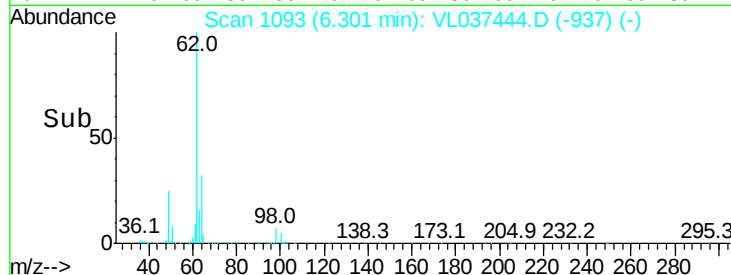
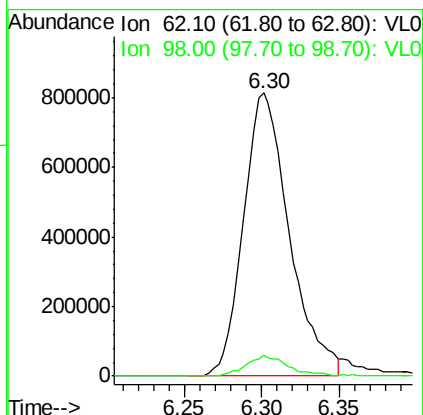
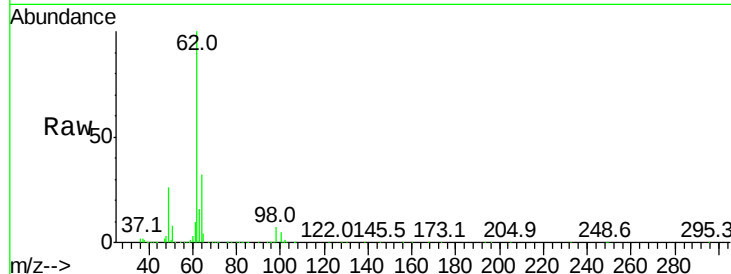




#37
 1,2-Dichloroethane
 Concen: 9.739 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

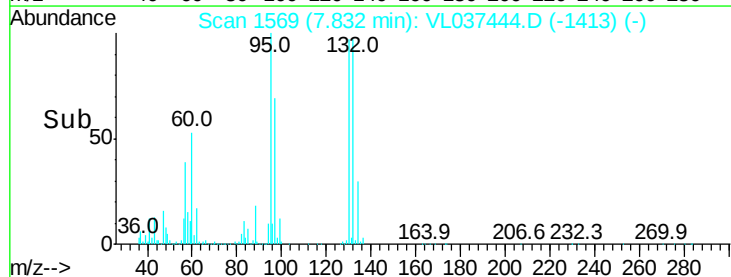
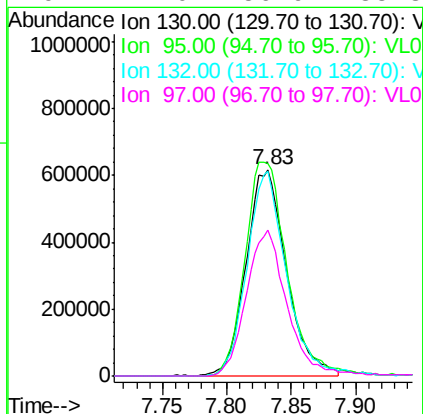
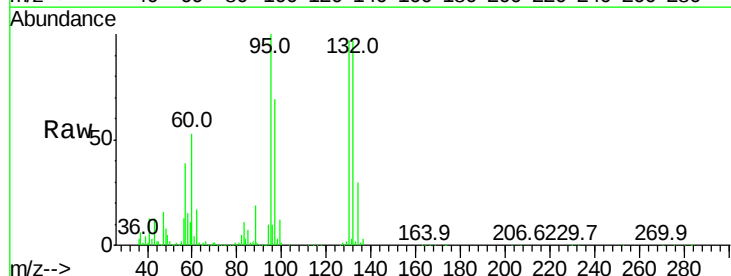
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

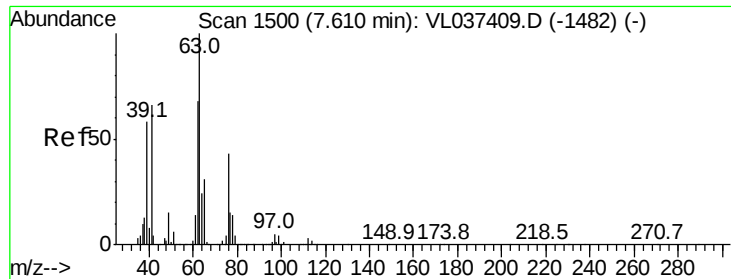
Tgt Ion: 62 Resp: 1681011
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.4 8.2



#38
 Trichloroethene
 Concen: 8.967 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion: 130 Resp: 1338692
 Ion Ratio Lower Upper
 130 100
 95 103.0 88.6 132.8
 132 99.5 79.2 118.8
 97 71.0 56.9 85.3





#39

1,2-Dichloropropane

Concen: 9.965 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

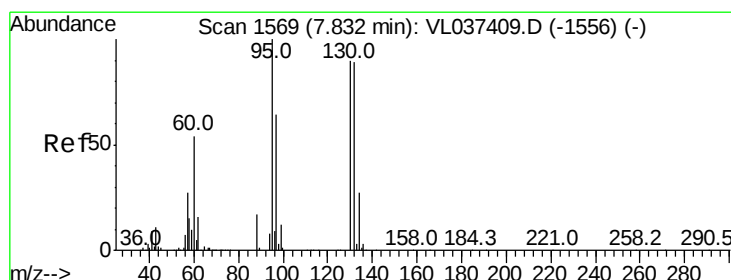
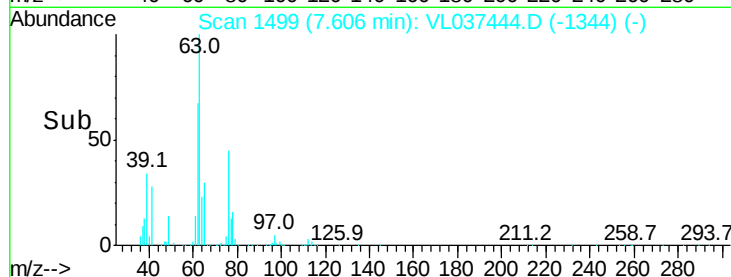
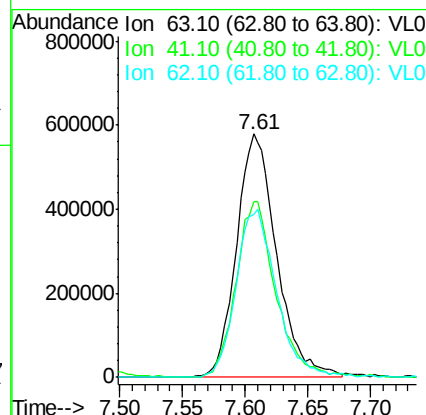
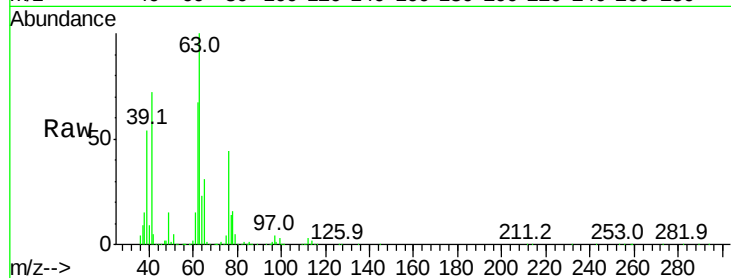
Tgt Ion: 63 Resp: 1284017

Ion Ratio Lower Upper

63 100

41 72.2 53.0 79.6

62 66.7 54.5 81.7



#40

1,4-Dioxane

Concen: 9.595 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion: 88 Resp: 300863

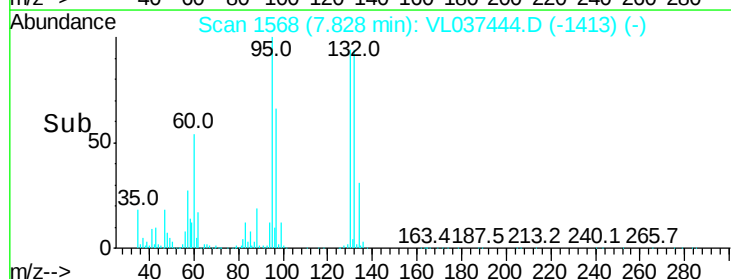
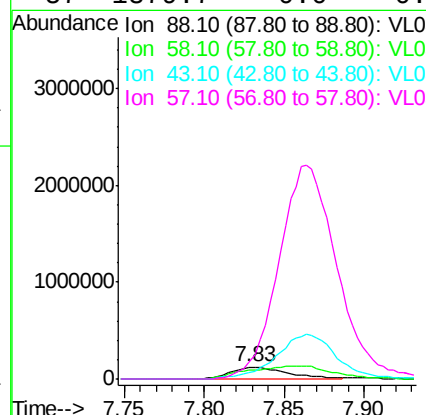
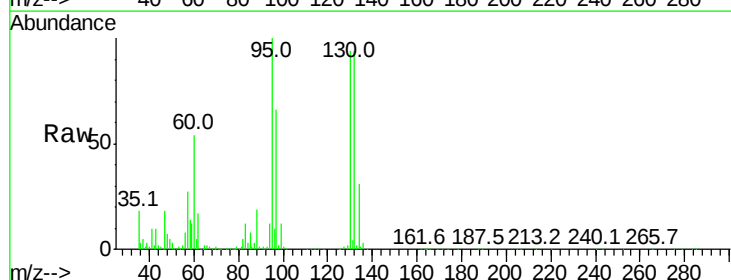
Ion Ratio Lower Upper

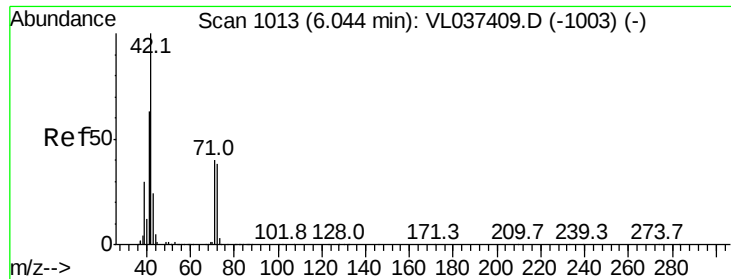
88 100

58 165.1 0.0 0.0#

43 411.9 0.0 0.0#

57 1879.7 0.0 0.0#

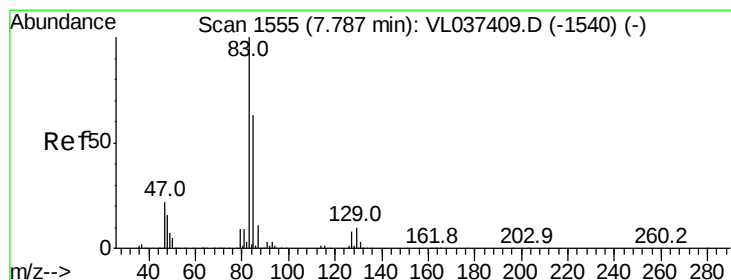
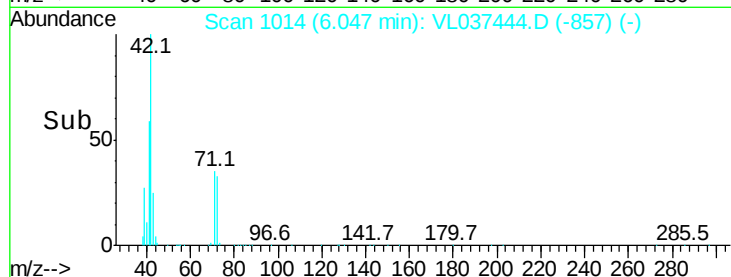
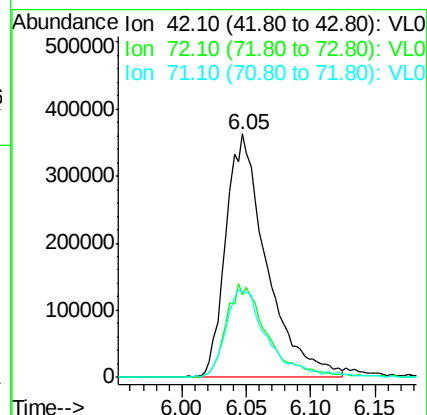
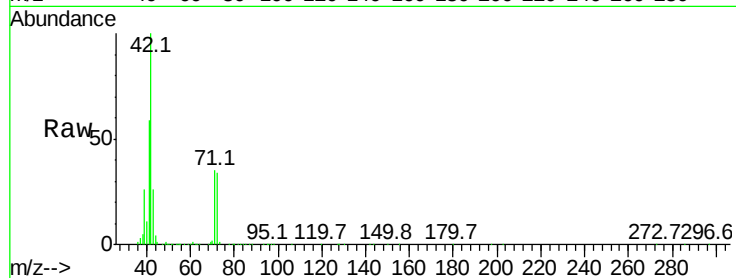




#41
Tetrahydrofuran
Concen: 10.432 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

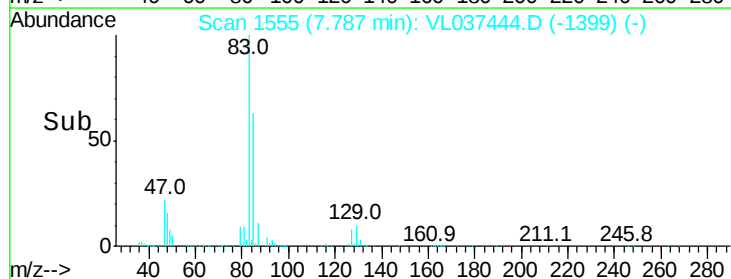
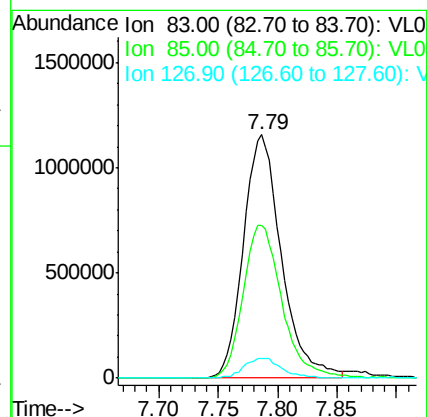
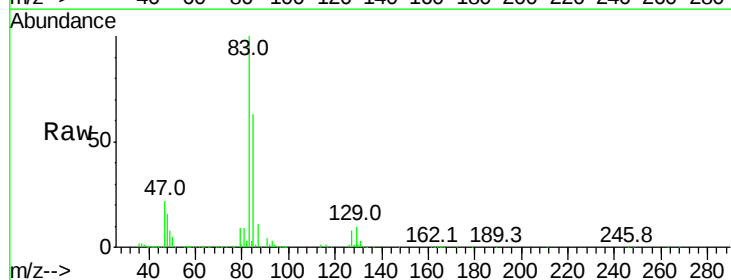
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

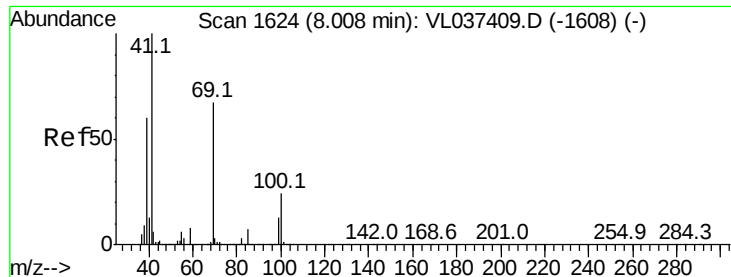
Tgt Ion:	42	Resp:	793387
Ion	Ratio	Lower	Upper
42	100		
72	39.5	33.5	50.3
71	37.6	32.6	48.8



#42
Bromodichloromethane
Concen: 10.593 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion:	83	Resp:	2560461
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.2	75.2
127	8.3	6.6	9.8





#43

Methyl Methacrylate

Concen: 10.693 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

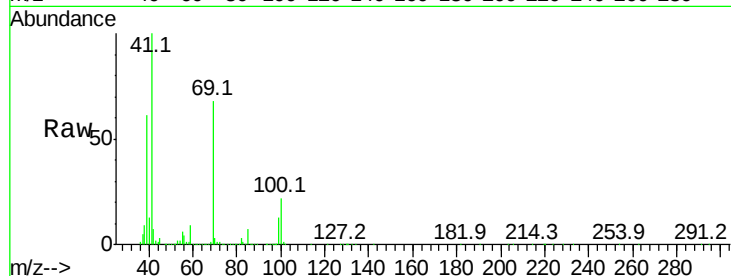
Tgt Ion: 69 Resp: 1225851

Ion Ratio Lower Upper

69 100

41 148.8 118.1 177.1

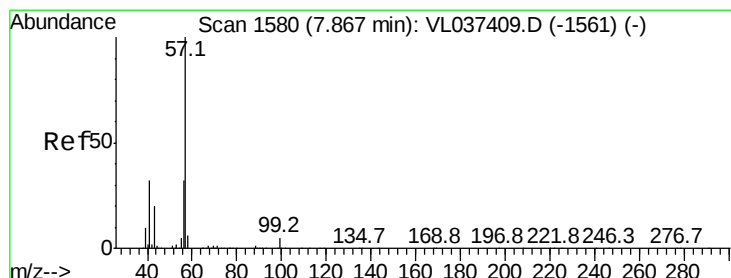
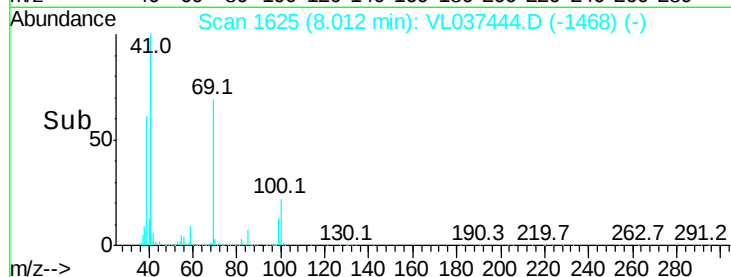
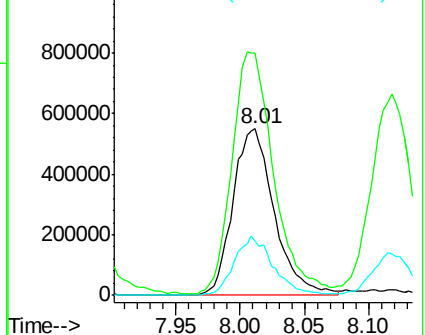
100 33.4 27.6 41.4



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.933 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

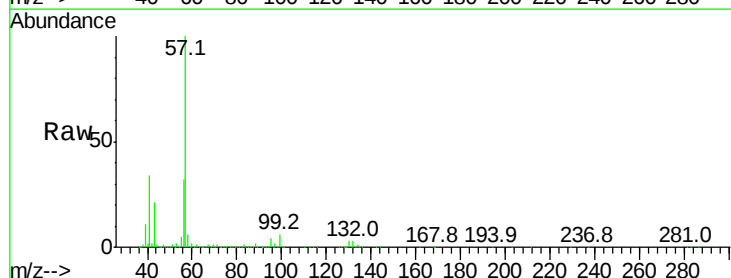
Tgt Ion: 57 Resp: 5617183

Ion Ratio Lower Upper

57 100

41 33.6 26.4 39.6

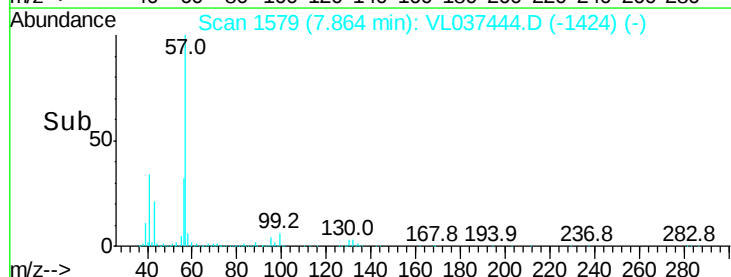
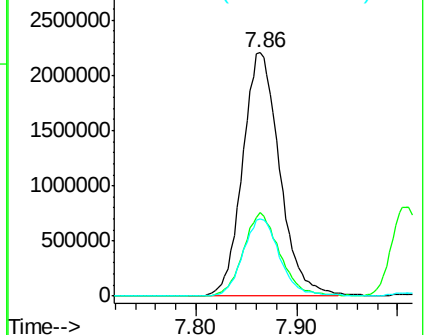
56 31.6 25.0 37.4

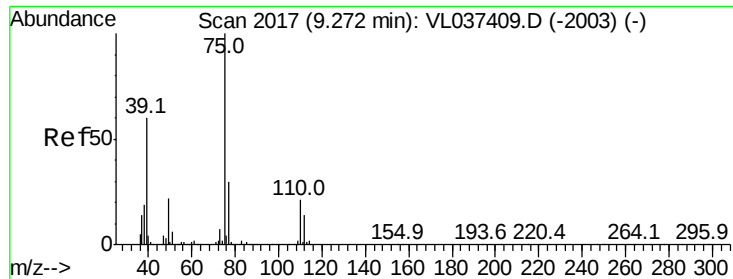


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.481 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

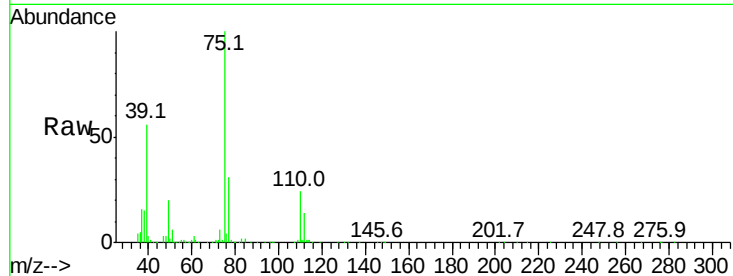
VL0813ABS01

Tgt Ion: 75 Resp: 807640

Ion Ratio Lower Upper

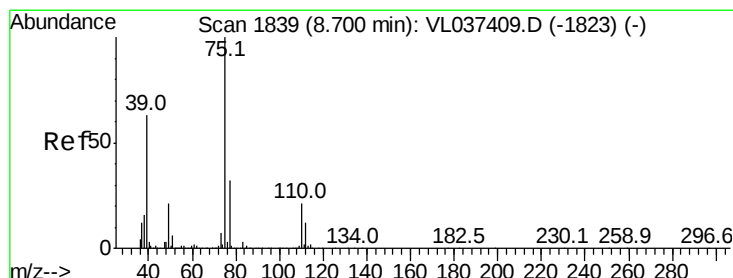
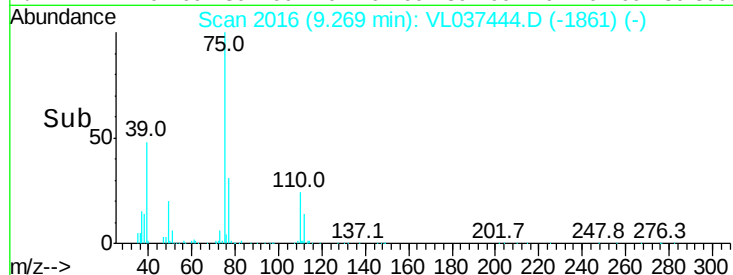
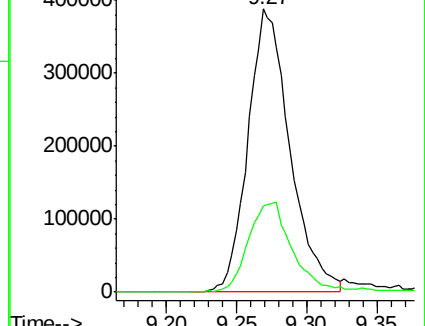
75 100

77 30.6 24.2 36.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.228 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

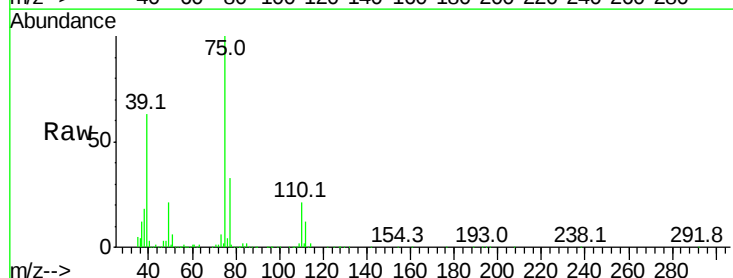
Tgt Ion: 75 Resp: 1097464

Ion Ratio Lower Upper

75 100

39 62.8 50.1 75.1

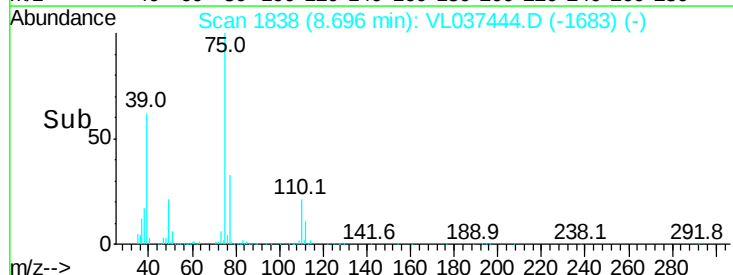
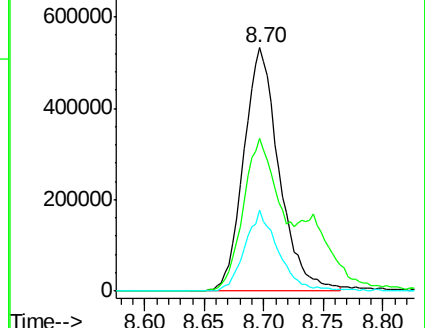
77 33.3 25.8 38.8

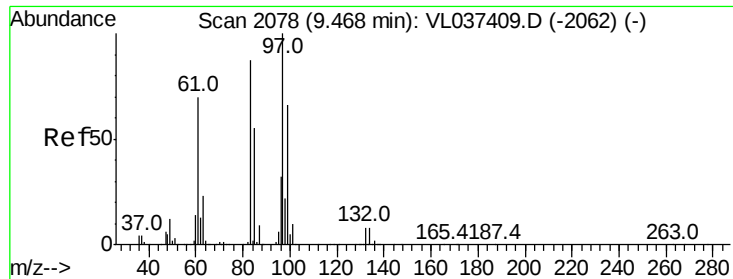


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.744 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tgt Ion: 97 Resp: 1357194

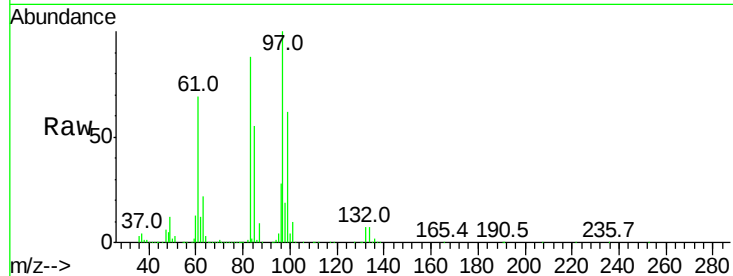
Ion Ratio Lower Upper

97 100

83 87.5 69.5 104.3

85 55.1 43.8 65.8

99 61.8 53.0 79.4

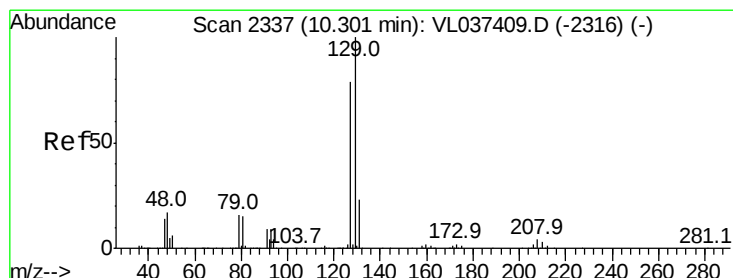
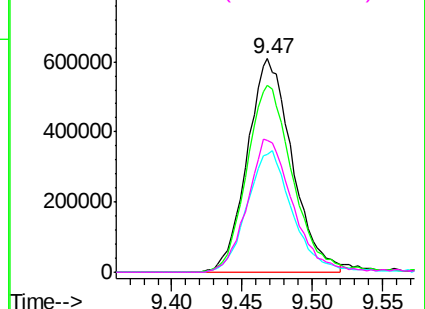
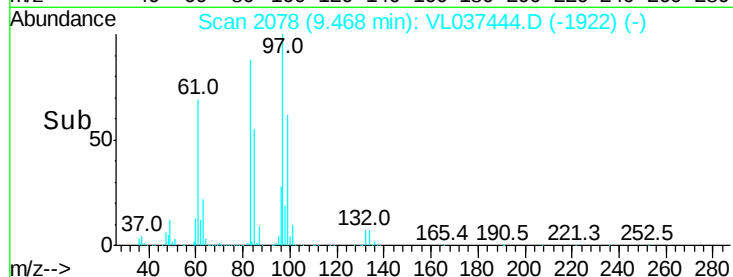


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.663 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VL037444.D

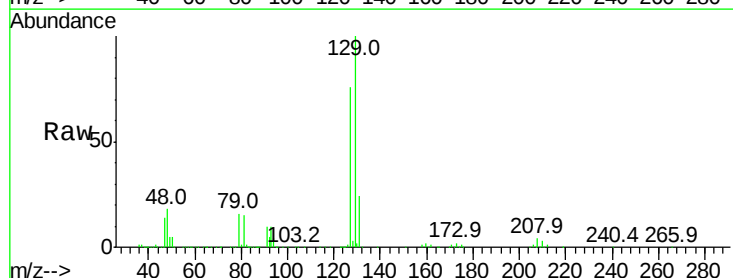
Acq: 13 Aug 2021 11:56

Tgt Ion: 129 Resp: 2142826

Ion Ratio Lower Upper

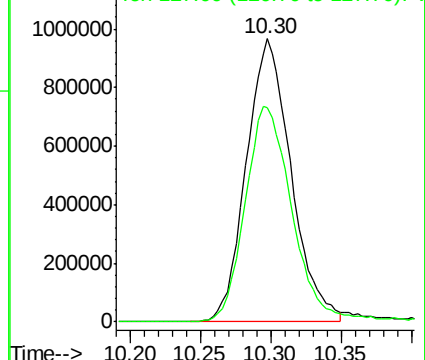
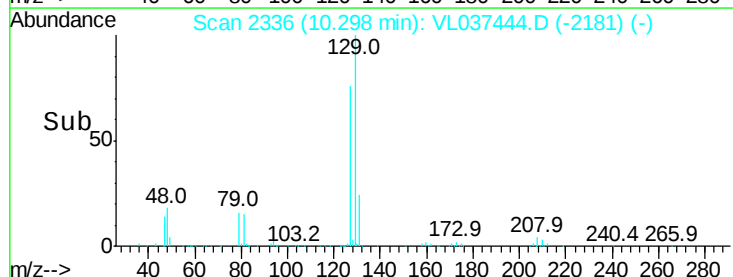
129 100

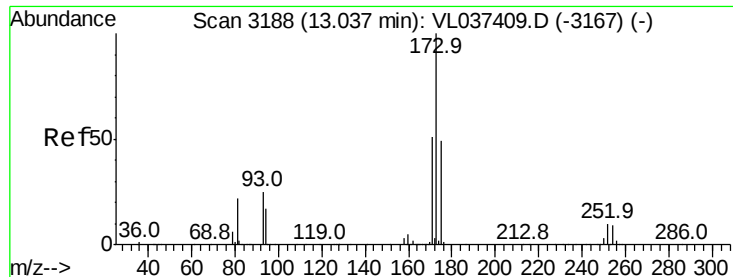
127 80.6 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.954 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

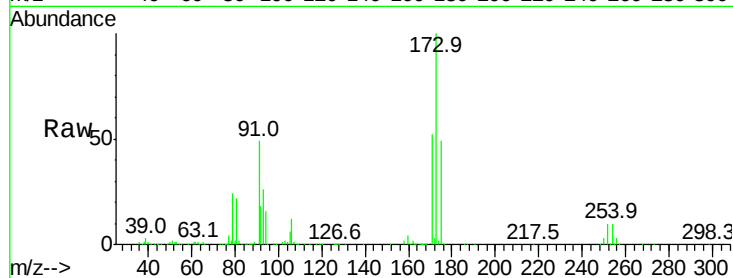
Tgt Ion:173 Resp: 1668060

Ion Ratio Lower Upper

173 100

175 53.0 39.9 59.9

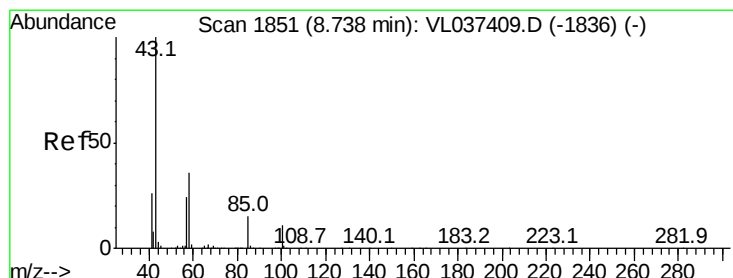
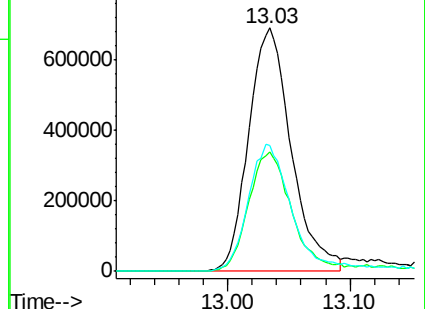
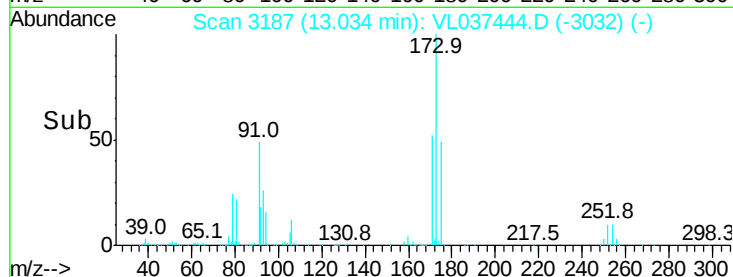
171 56.9 41.4 62.2



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: 10.658 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL037444.D

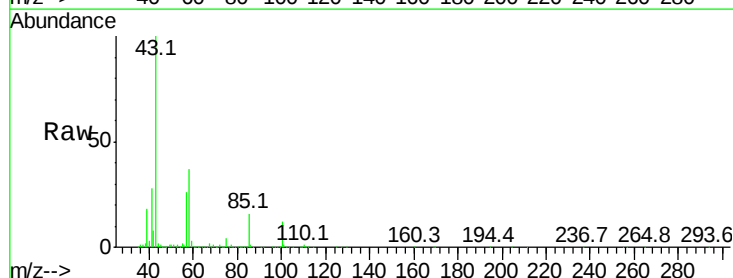
Acq: 13 Aug 2021 11:56

Tgt Ion: 43 Resp: 2220539

Ion Ratio Lower Upper

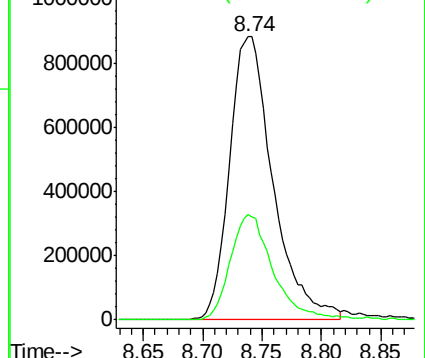
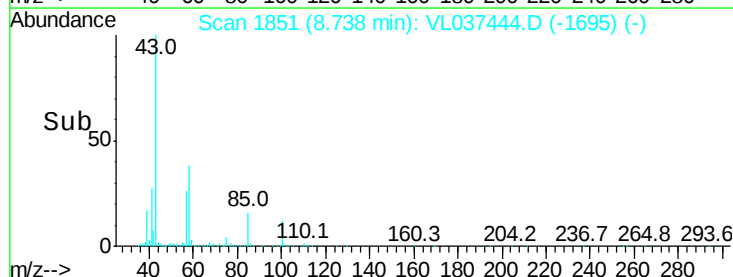
43 100

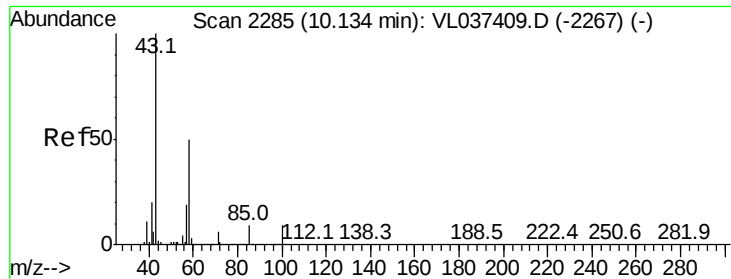
58 37.5 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

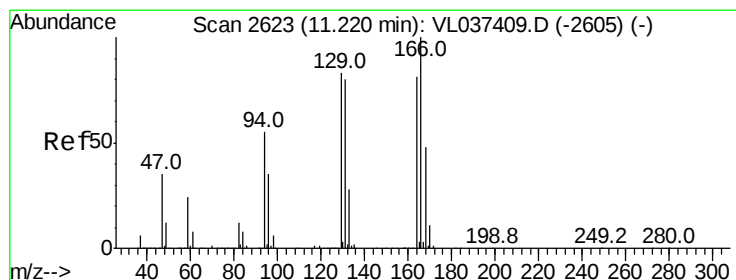
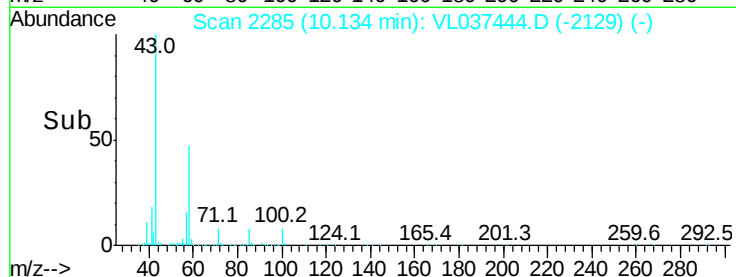
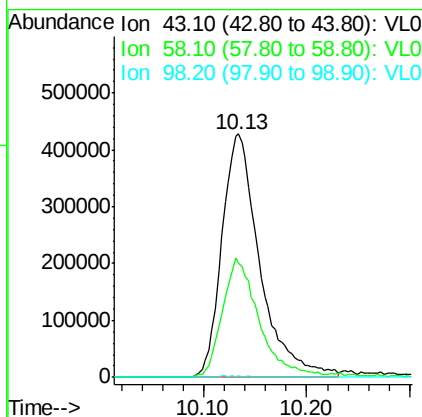
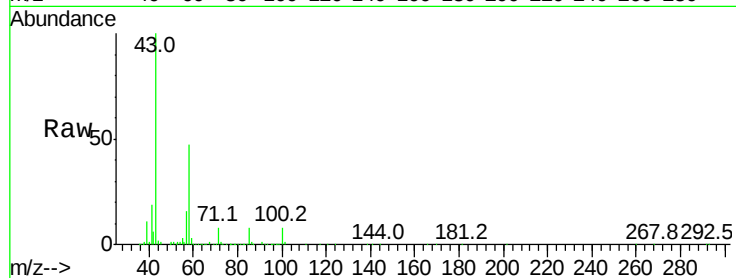




#51
2-Hexanone
Concen: 11.137 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

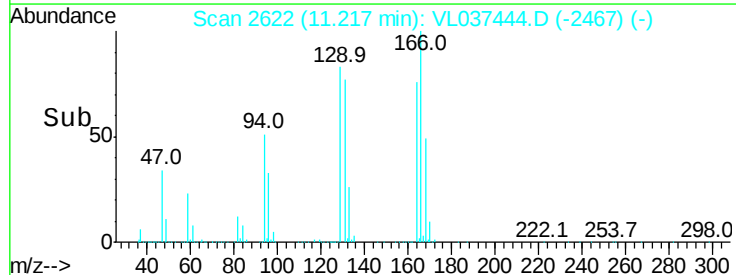
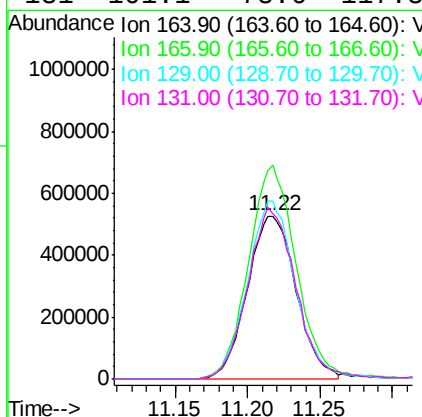
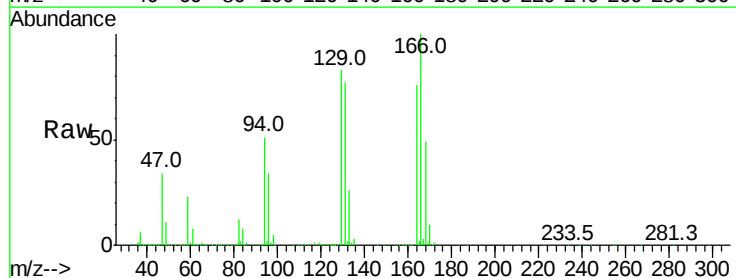
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

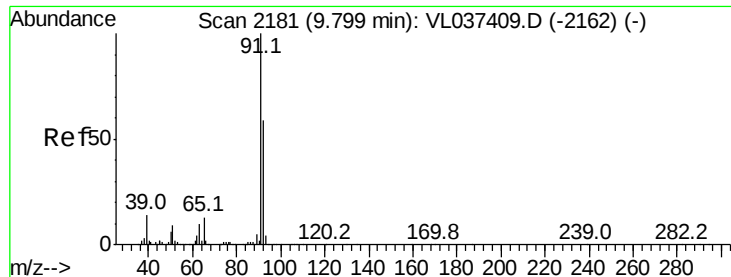
Tgt Ion: 43 Resp: 1091672
Ion Ratio Lower Upper
43 100
58 49.1 39.9 59.9
98 0.6 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.650 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 164 Resp: 1232583
Ion Ratio Lower Upper
164 100
166 131.1 98.6 147.8
129 108.8 82.0 123.0
131 101.1 78.6 117.8





#53

Toluene

Concen: 10.247 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

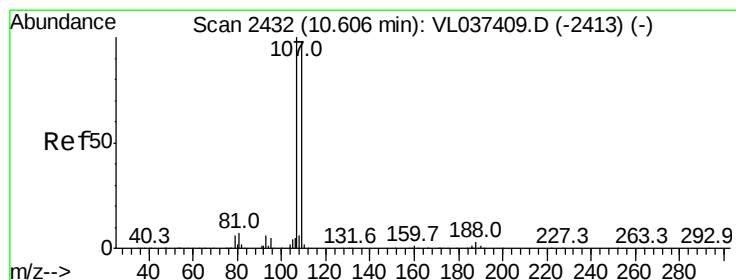
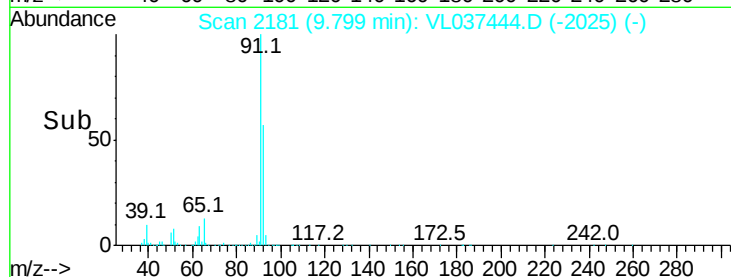
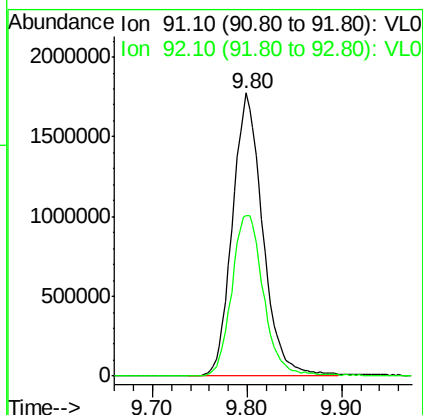
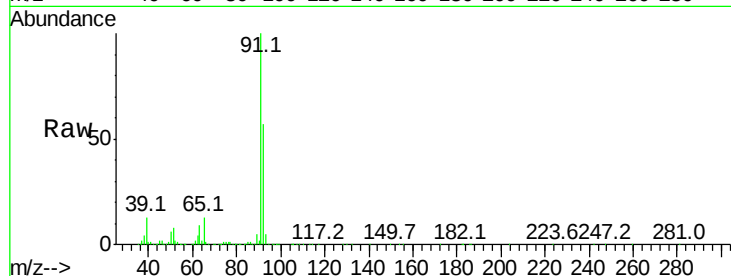
VL0813ABS01

Tgt Ion: 91 Resp: 3956860

Ion Ratio Lower Upper

91 100

92 60.2 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.018 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL037444.D

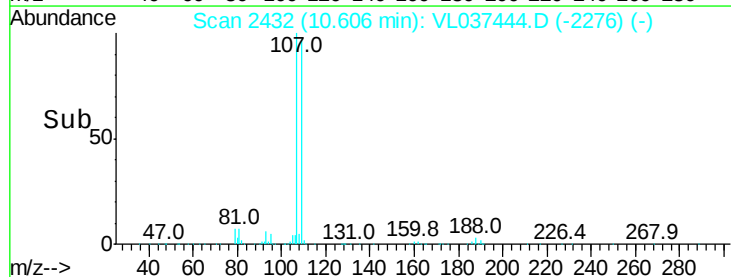
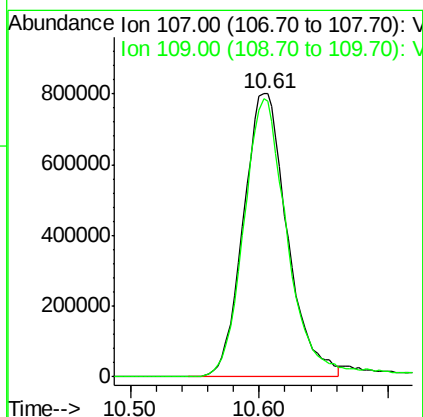
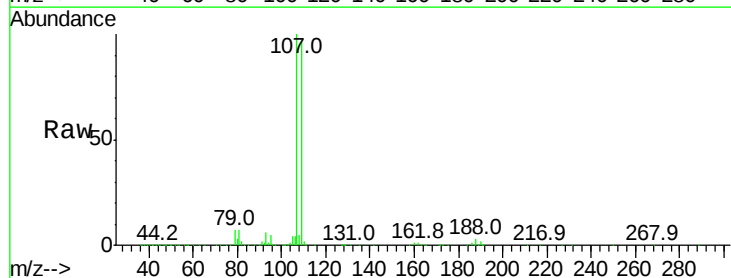
Acq: 13 Aug 2021 11:56

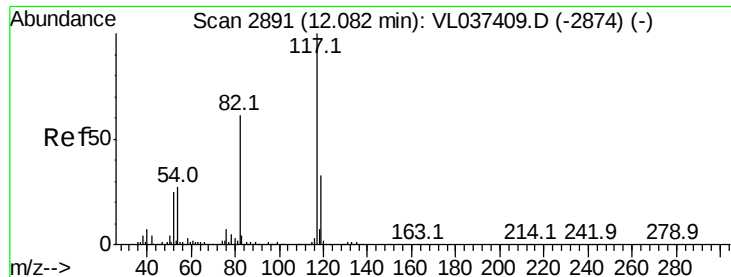
Tgt Ion: 107 Resp: 1899016

Ion Ratio Lower Upper

107 100

109 97.4 78.4 117.6

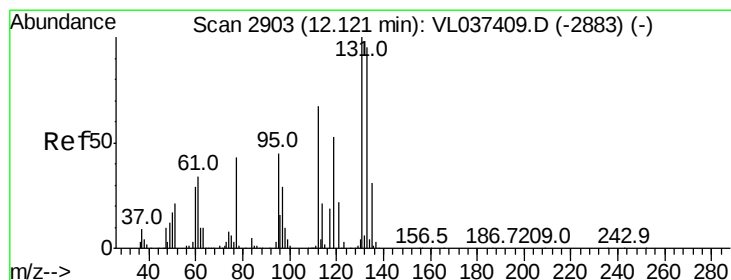
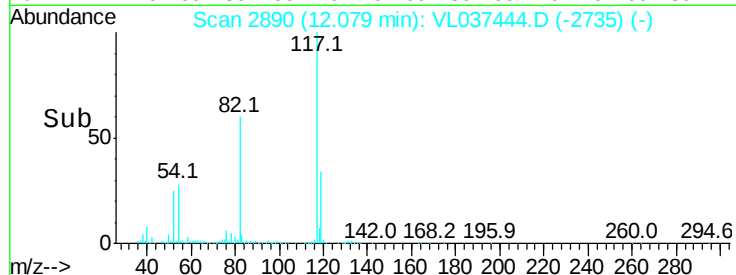
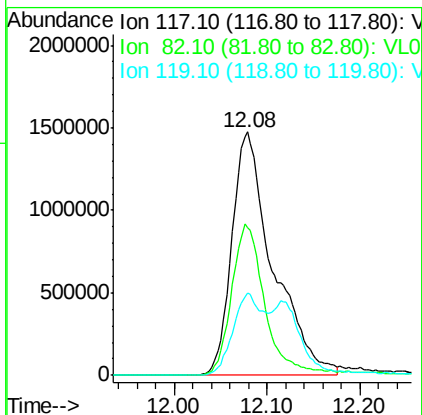
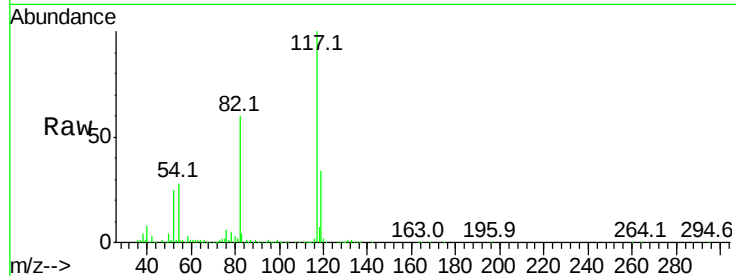




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

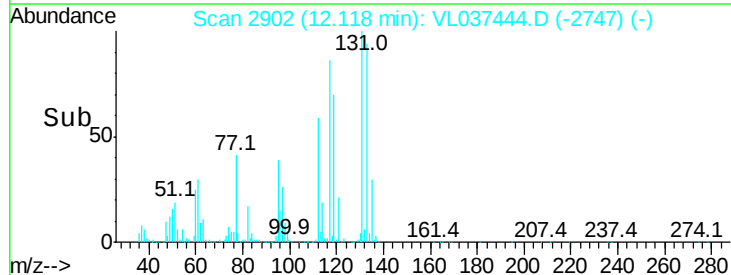
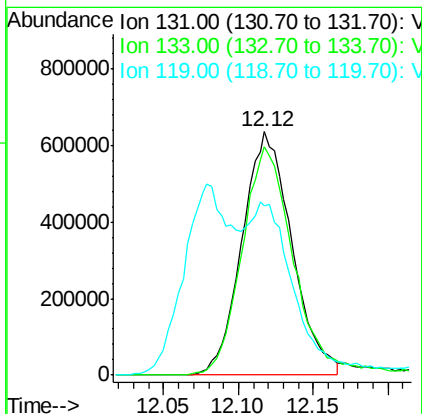
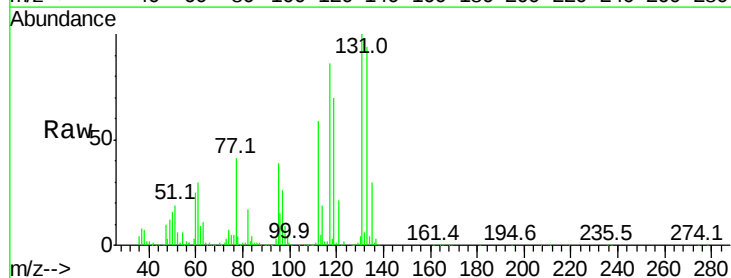
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

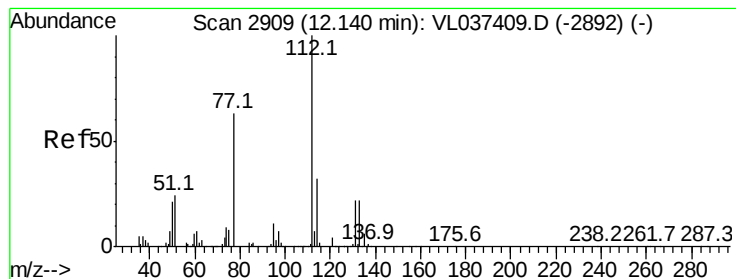
Tgt Ion:117 Resp: 4532127
Ion Ratio Lower Upper
117 100
82 52.4 53.1 79.7#
119 25.3 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.139 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion:131 Resp: 1468439
Ion Ratio Lower Upper
131 100
133 99.6 77.1 115.7
119 73.7 59.7 89.5





#57

Chlorobenzene

Concen: 7.551 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

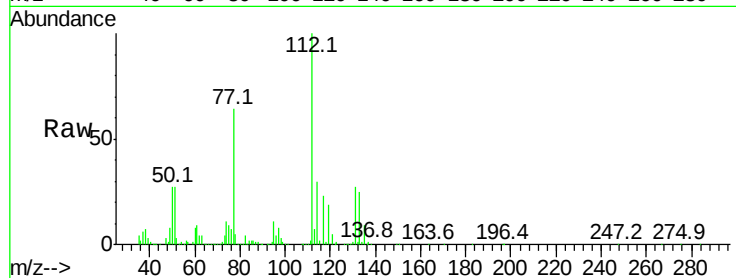
Tgt Ion: 112 Resp: 2773676

Ion Ratio Lower Upper

112 100

77 62.9 50.0 75.0

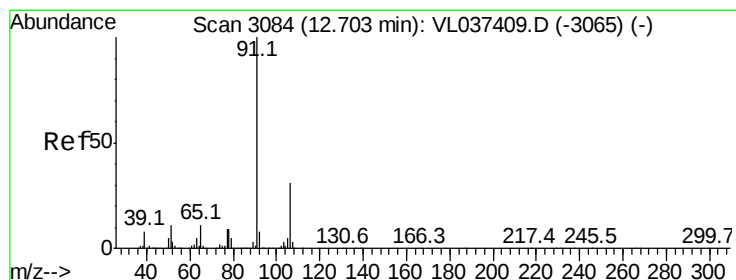
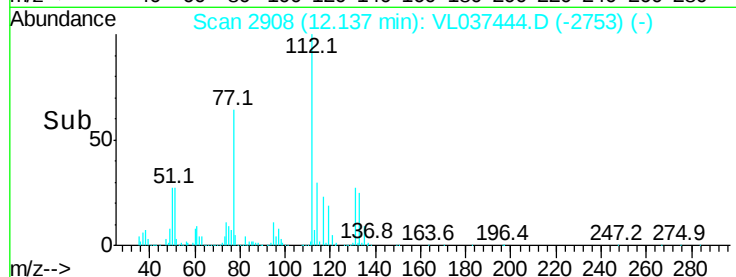
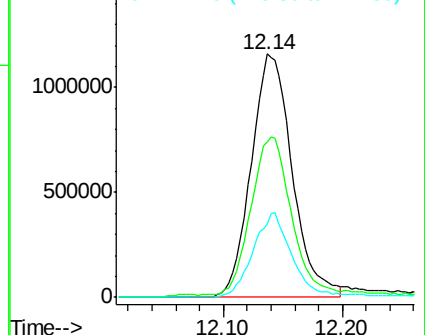
114 30.1 28.5 34.9



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: 7.875 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL037444.D

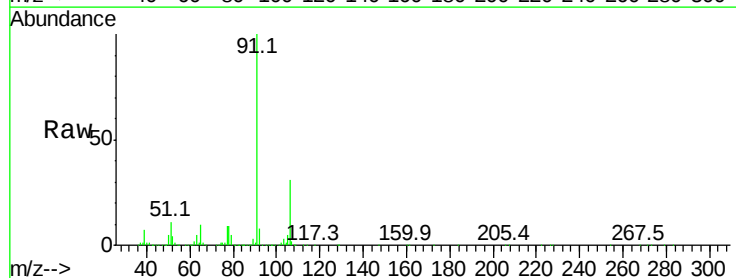
Acq: 13 Aug 2021 11:56

Tgt Ion: 91 Resp: 4841227

Ion Ratio Lower Upper

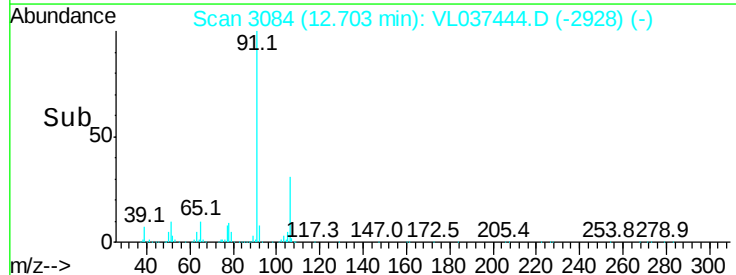
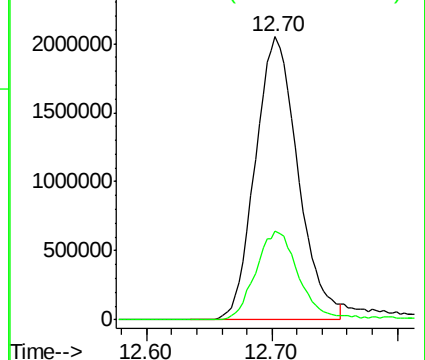
91 100

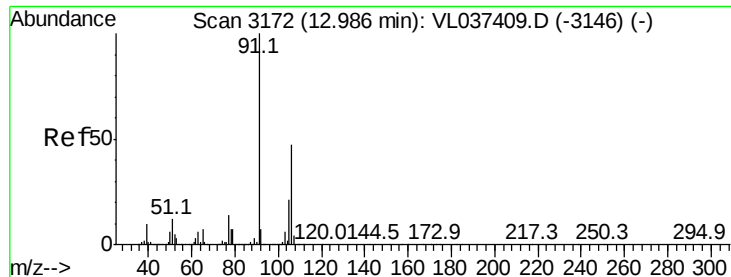
106 31.3 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

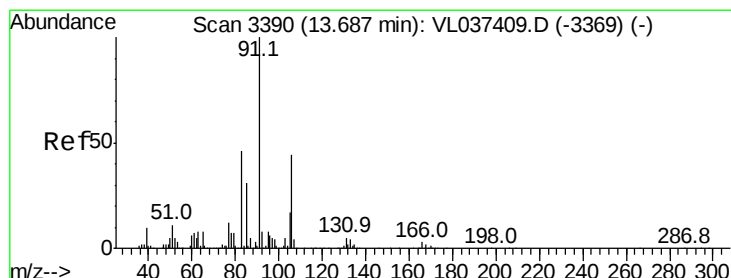
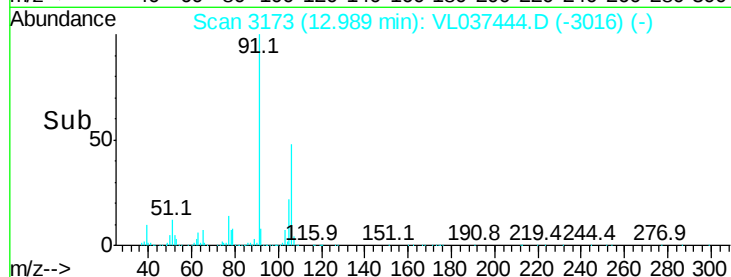
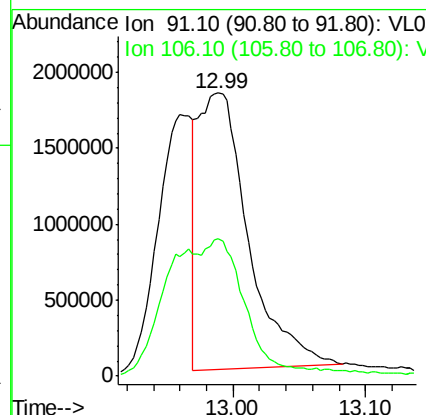
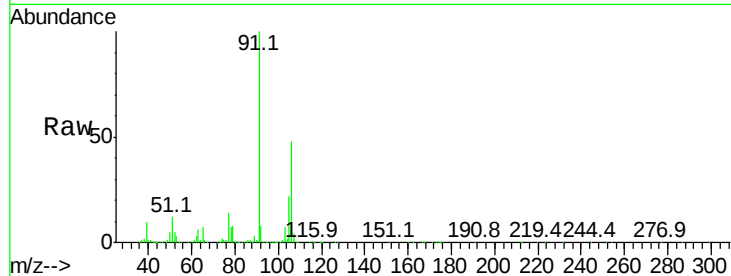




#59
m/p-Xylene
Concen: 8.792 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

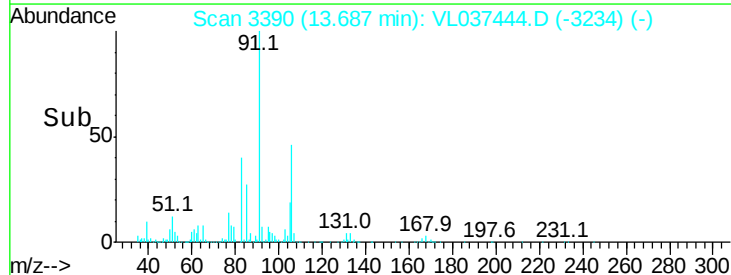
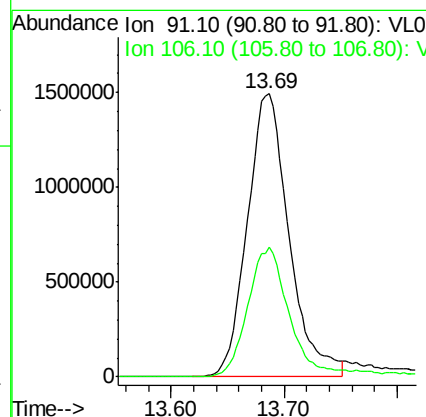
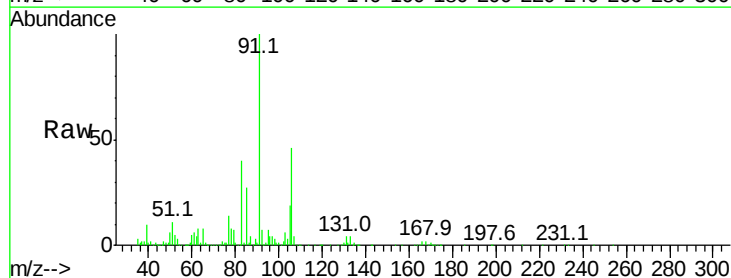
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

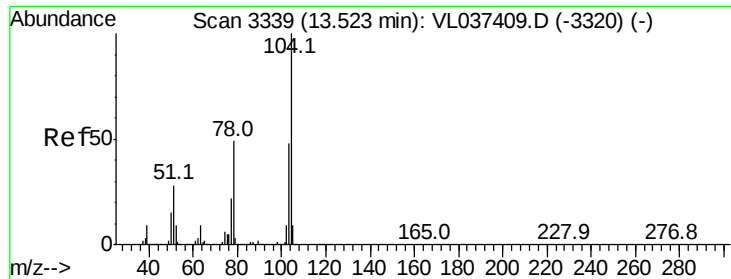
Tgt Ion: 91 Resp: 4748471
Ion Ratio Lower Upper
91 100
106 80.8 36.6 54.8#



#60
o-Xylene
Concen: 7.631 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion: 91 Resp: 3828729
Ion Ratio Lower Upper
91 100
106 48.1 24.1 72.2

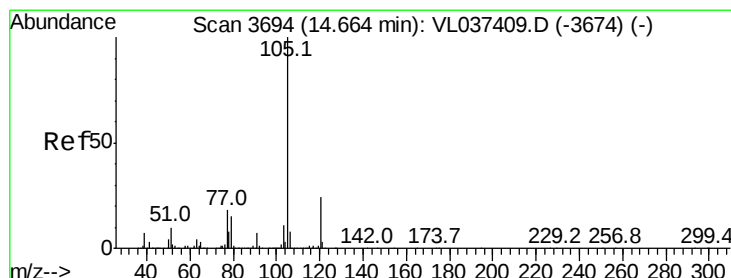
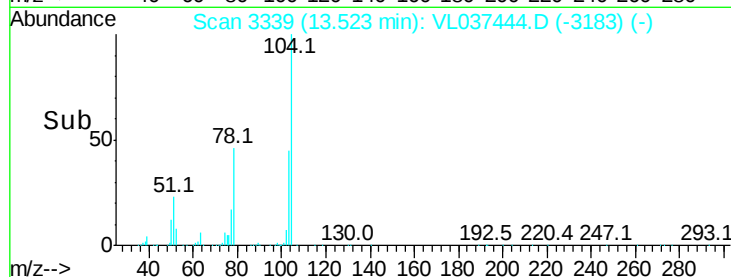
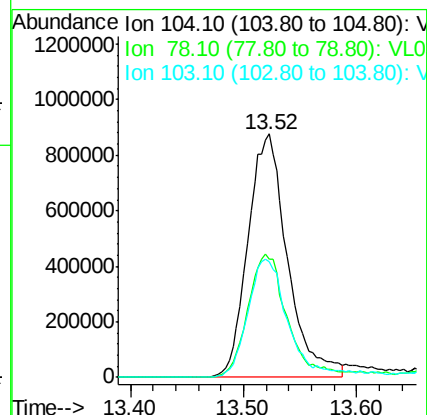
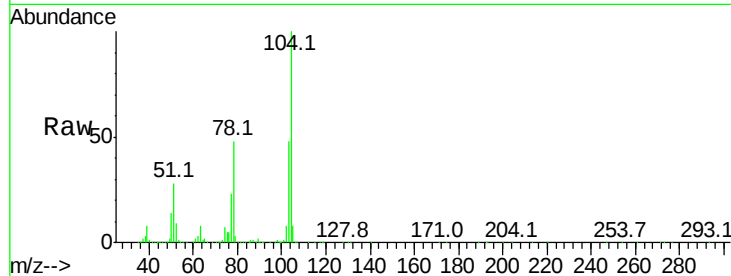




#61
Styrene
Concen: 8.404 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

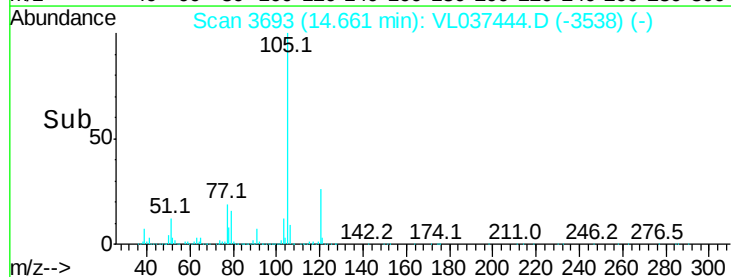
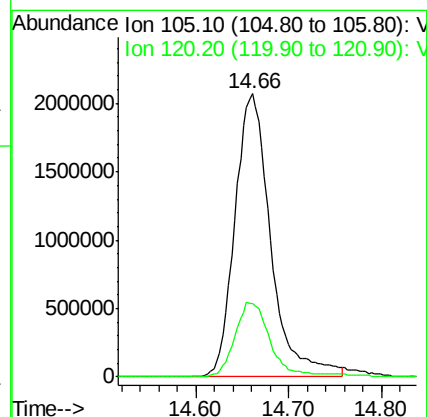
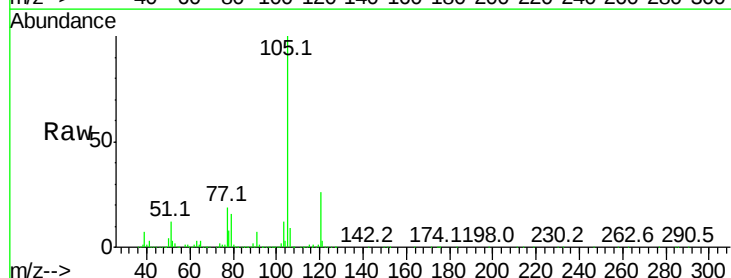
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

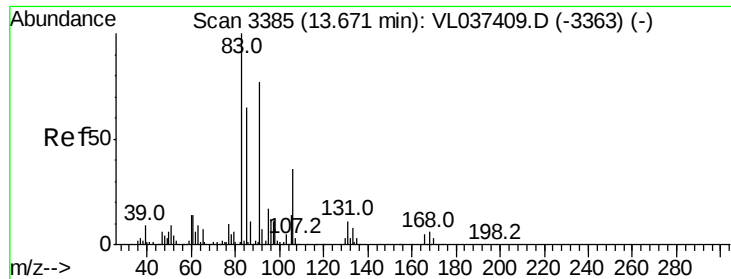
Tgt Ion:104 Resp: 2130118
Ion Ratio Lower Upper
104 100
78 52.7 41.5 62.3
103 51.0 40.2 60.2



#62
Isopropylbenzene
Concen: 7.759 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion:105 Resp: 5566858
Ion Ratio Lower Upper
105 100
120 26.5 21.6 32.4





#63

1,1,2,2-Tetrachloroethane

Concen: 7.293 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

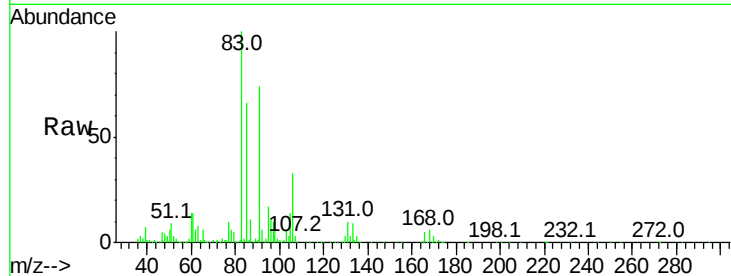
Tgt Ion: 83 Resp: 2759615

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

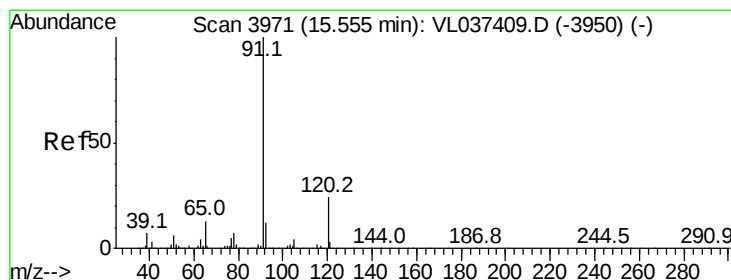
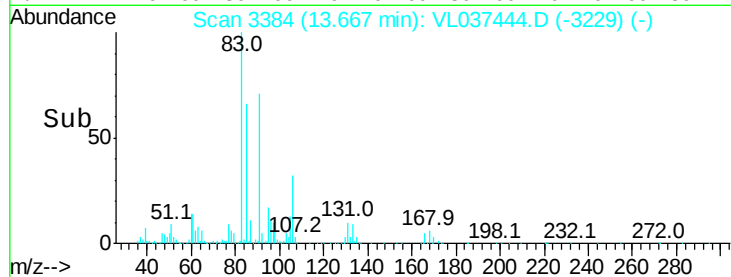
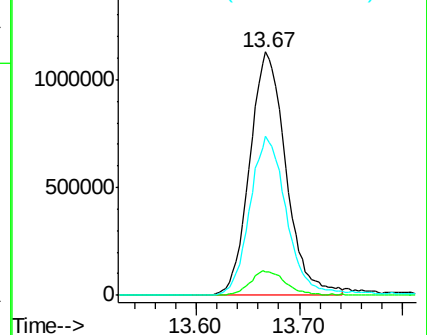
85 67.7 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.877 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL037444.D

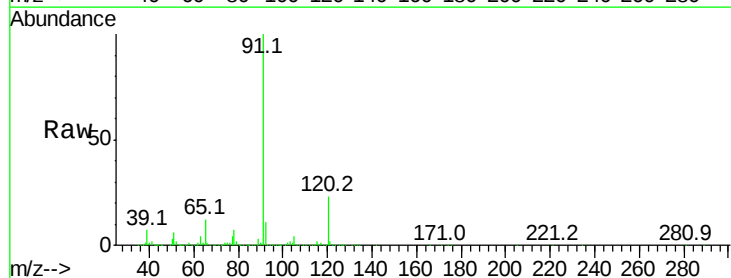
Acq: 13 Aug 2021 11:56

Tgt Ion: 120 Resp: 1422263

Ion Ratio Lower Upper

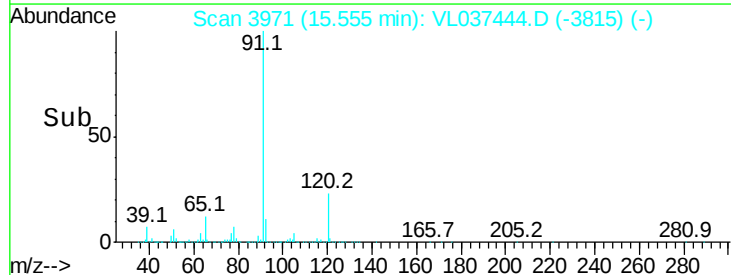
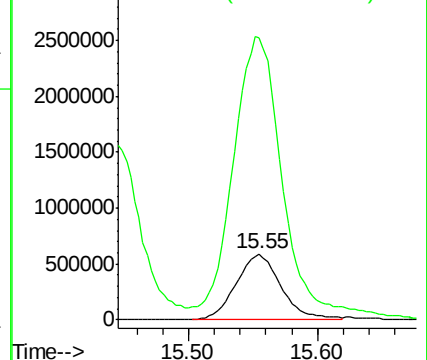
120 100

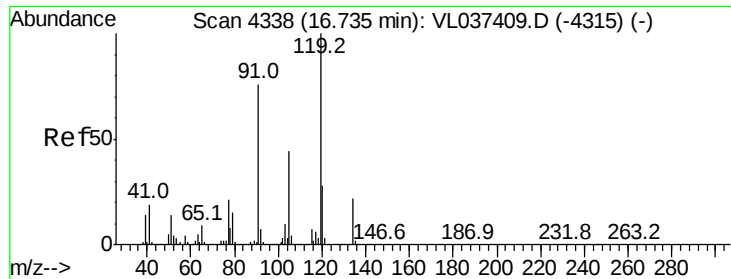
91 480.1 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

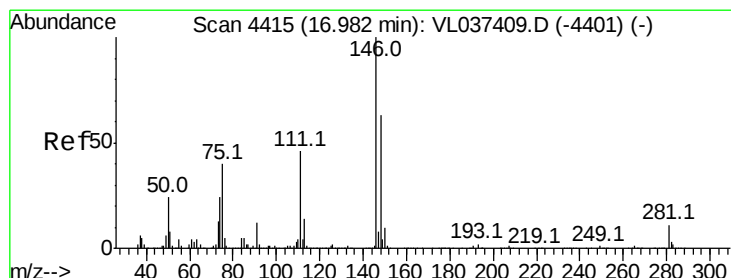
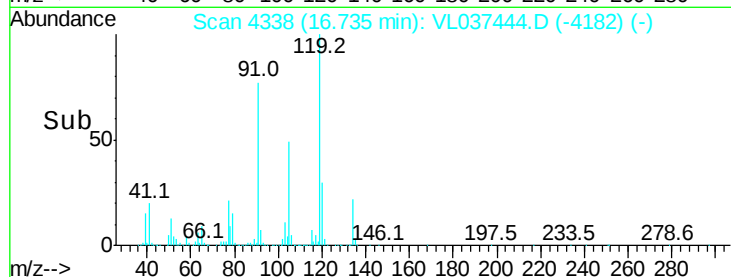
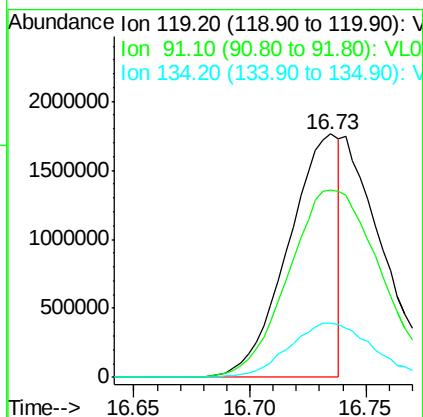
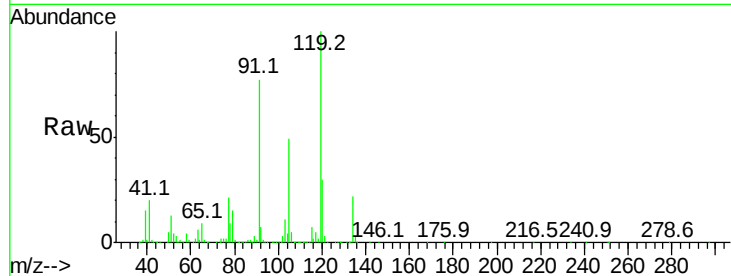




#65
 tert-Butylbenzene
 Concen: 4.143 ppbv
 RT: 16.73 min Scan# 4338
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

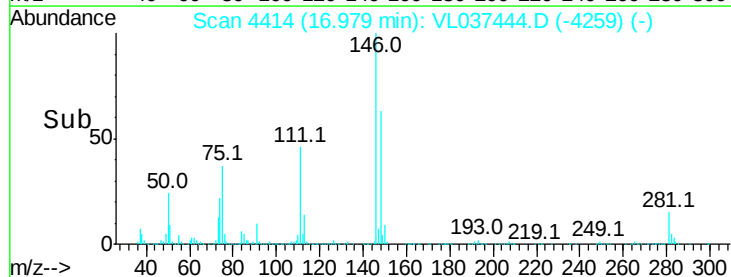
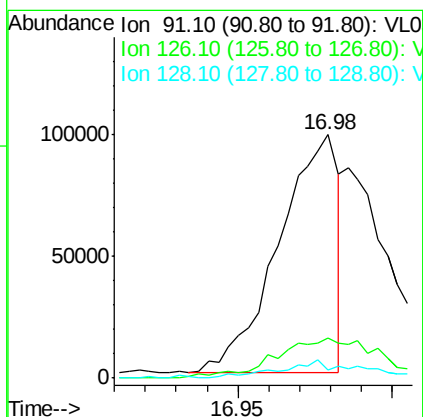
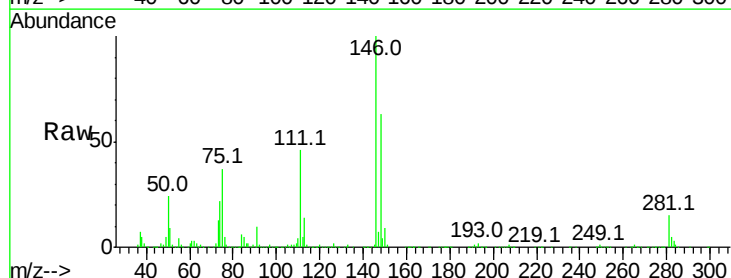
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

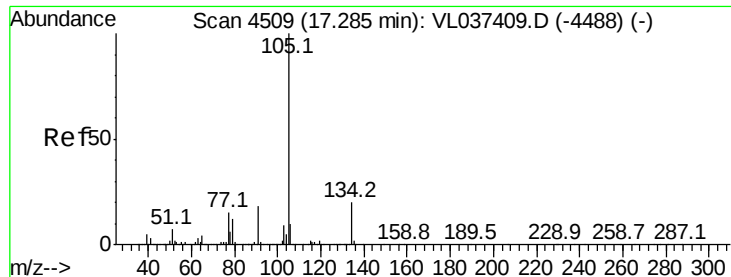
Tgt Ion: 119 Resp: 2680679
 Ion Ratio Lower Upper
 119 100
 91 142.3 62.2 93.4#
 134 37.5 16.1 24.1#



#66
 Benzyl Chloride
 Concen: 4.393 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Tgt Ion: 91 Resp: 130068
 Ion Ratio Lower Upper
 91 100
 126 31.6 14.3 21.5#
 128 12.1 4.6 7.0#





#67

sec-Butylbenzene

Concen: 7.655 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

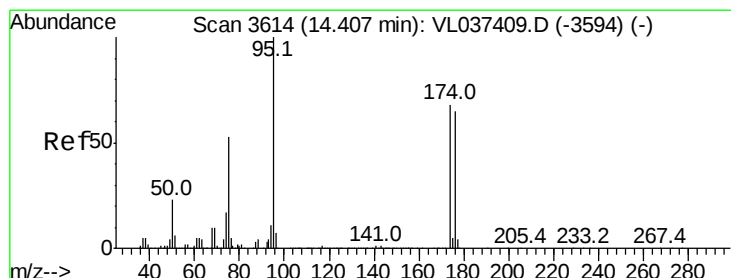
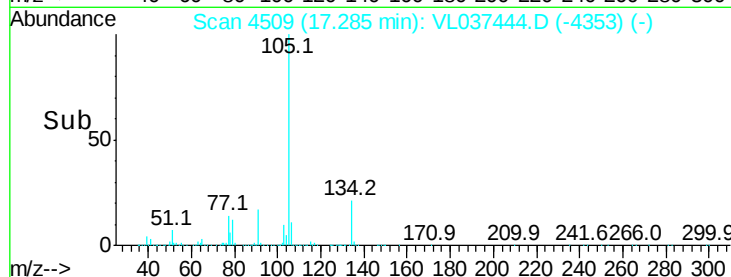
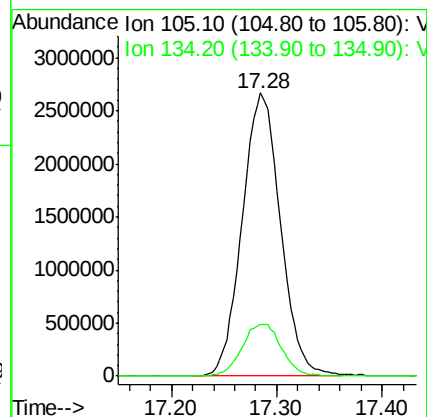
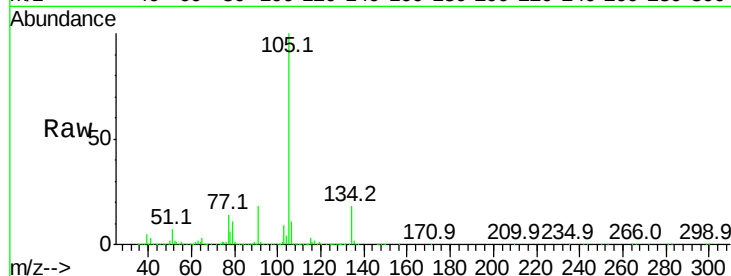
VL0813ABS01

Tgt Ion:105 Resp: 6739858

Ion Ratio Lower Upper

105 100

134 19.0 15.4 23.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.060 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

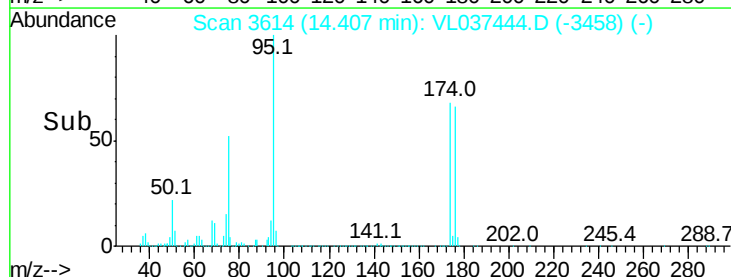
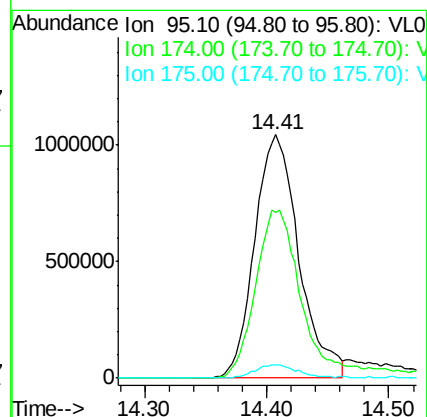
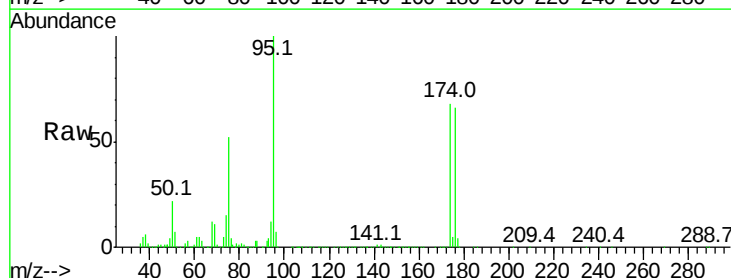
Tgt Ion: 95 Resp: 2620394

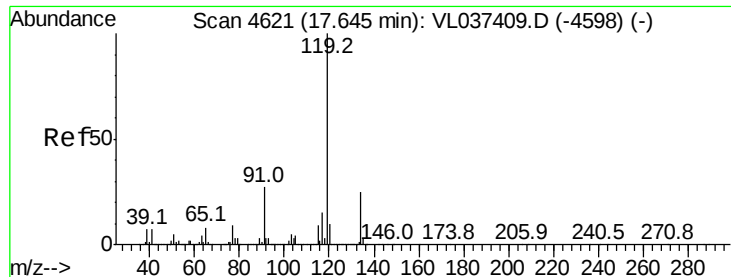
Ion Ratio Lower Upper

95 100

174 76.7 59.6 89.4

175 5.9 4.3 6.5





#69

p-Isopropyltoluene

Concen: 7.888 ppbv

RT: 17.64 min Scan# 4621

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

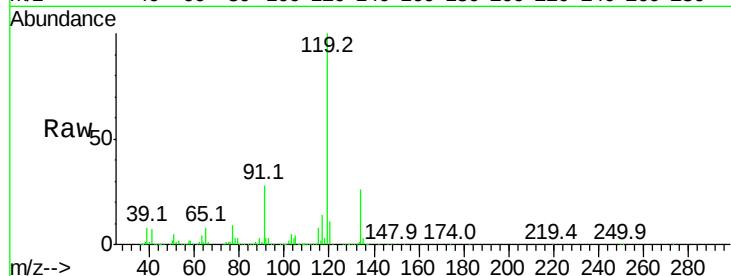
Tgt Ion: 119 Resp: 5699853

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

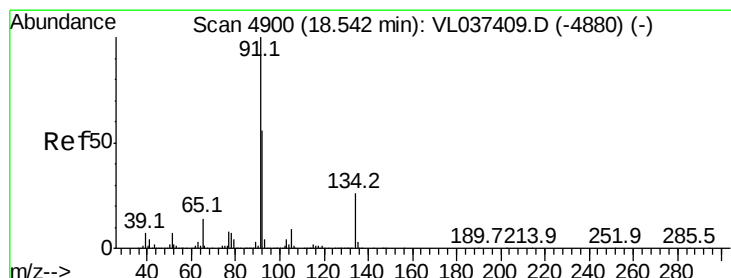
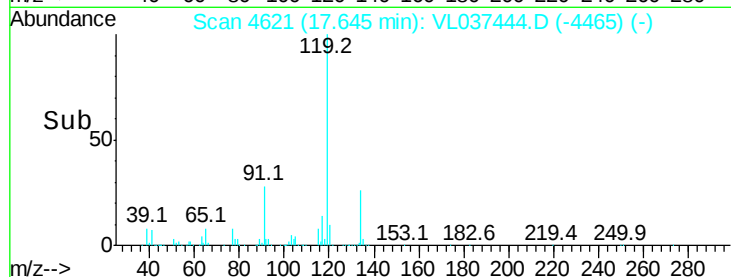
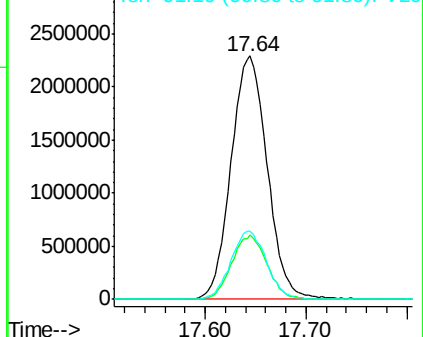
91 27.6 22.4 33.6



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: 8.186 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

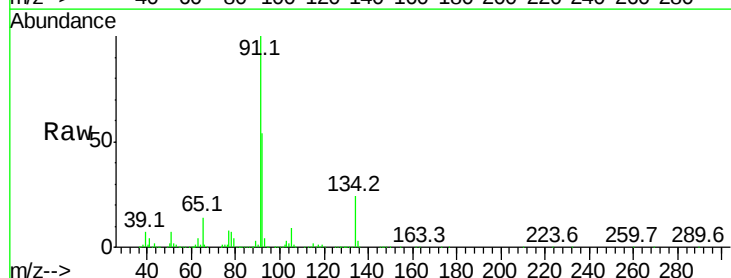
Tgt Ion: 91 Resp: 5497750

Ion Ratio Lower Upper

91 100

92 54.6 44.2 66.2

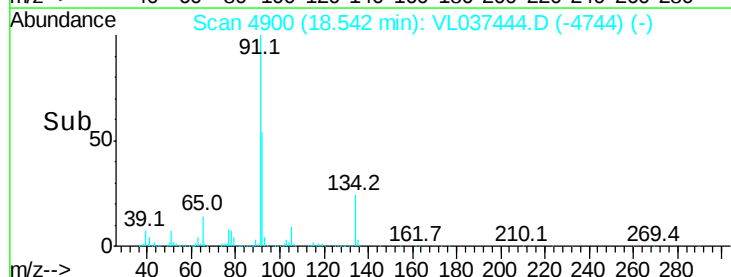
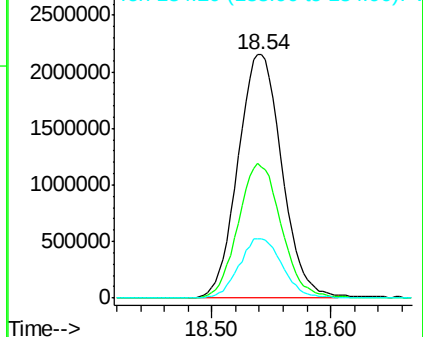
134 24.3 19.5 29.3

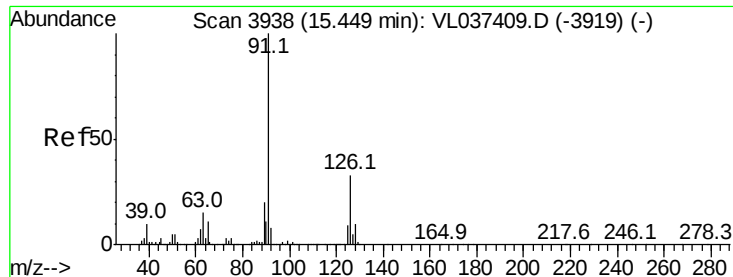


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.736 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. -0.01 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

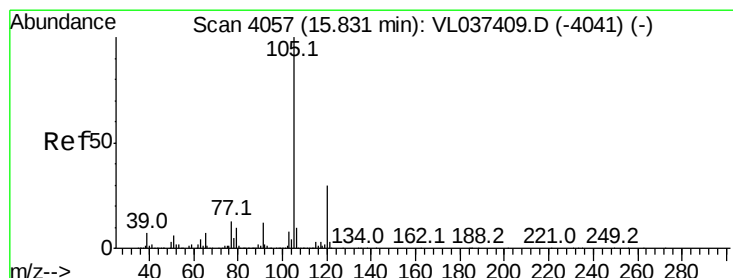
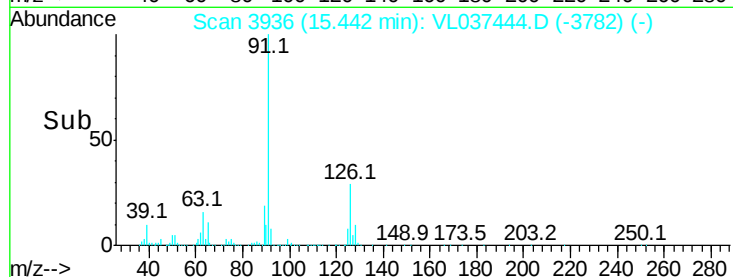
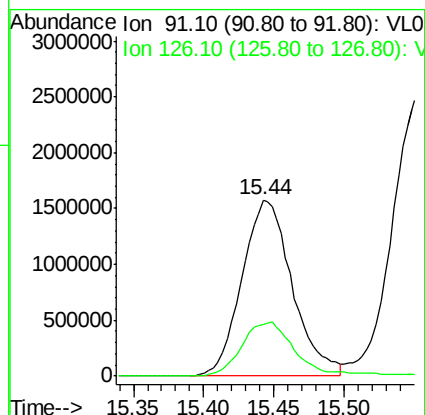
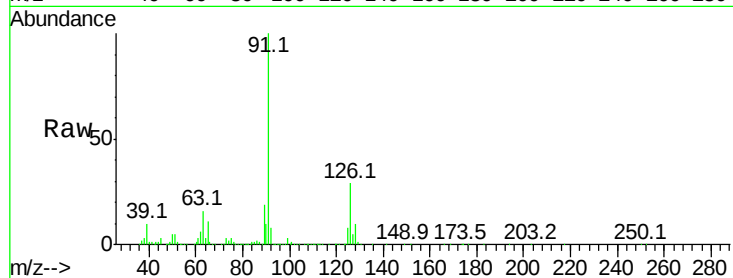
VL0813ABS01

Tgt Ion: 91 Resp: 3925811

Ion Ratio Lower Upper

91 100

126 33.7 13.5 53.9



#72

4-Ethyltoluene

Concen: 7.942 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion: 105 Resp: 4625321

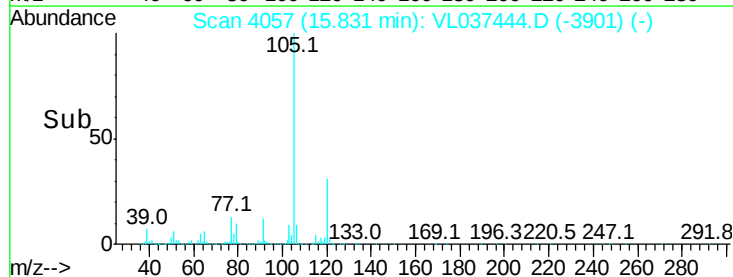
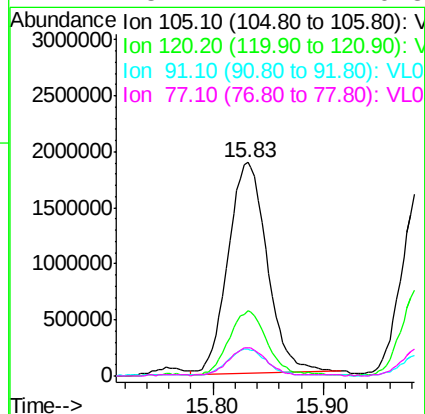
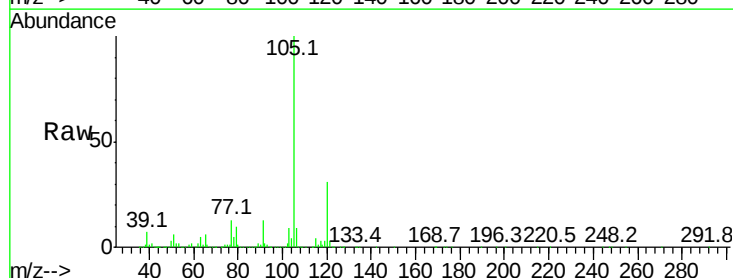
Ion Ratio Lower Upper

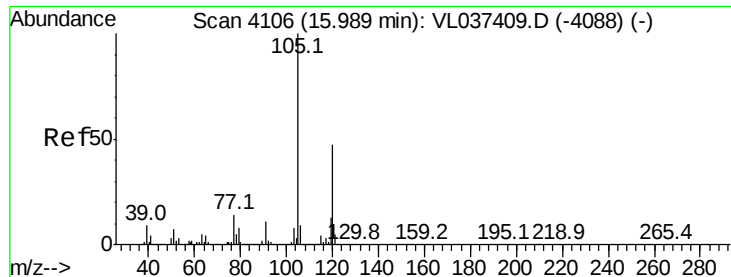
105 100

120 31.3 25.0 37.4

91 12.6 11.2 16.8

77 13.7 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 7.568 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

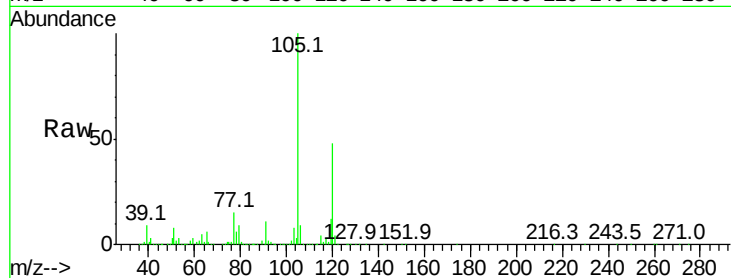
VL0813ABS01

Tgt Ion:105 Resp: 4166638

Ion Ratio Lower Upper

105 100

120 48.2 37.4 56.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

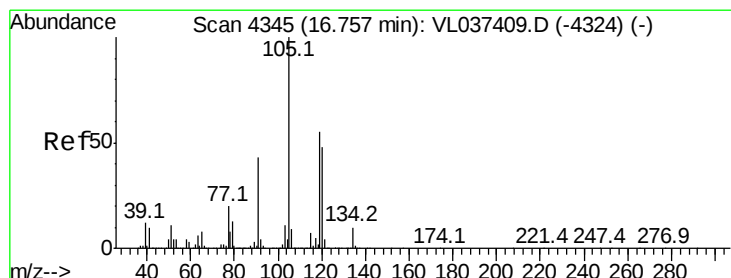
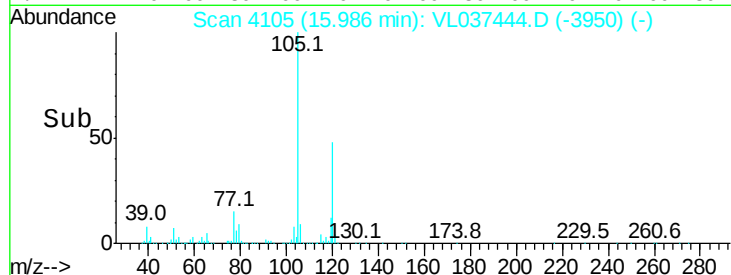
0

15.90

16.00

15.99

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.816 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Tgt Ion:105 Resp: 4405860

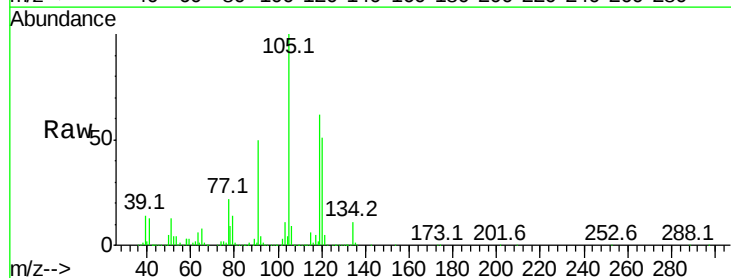
Ion Ratio Lower Upper

105 100

120 50.5 38.2 57.2

91 49.4 35.4 53.2

77 22.1 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): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

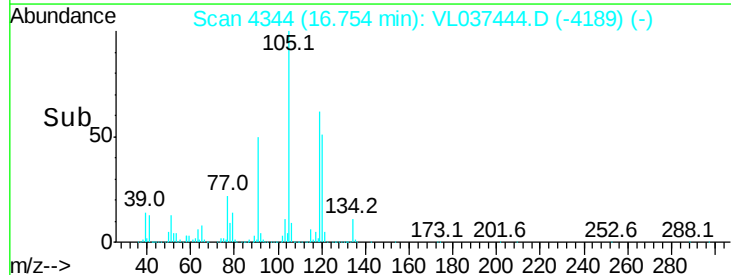
0

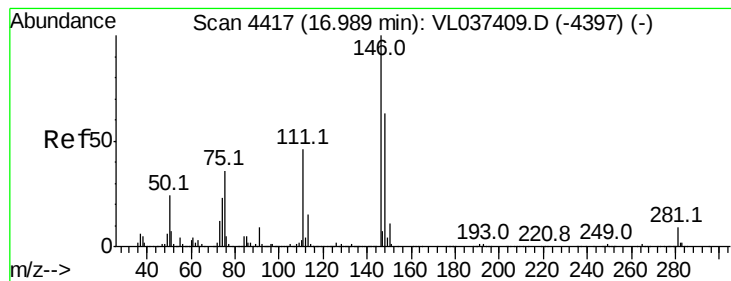
16.70

16.80

16.75

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.700 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

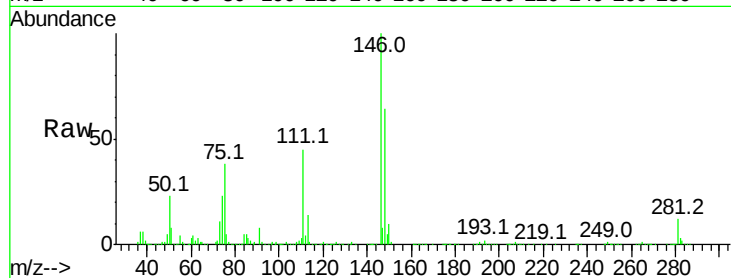
Tgt Ion:146 Resp: 2656378

Ion Ratio Lower Upper

146 100

111 45.2 22.9 68.7

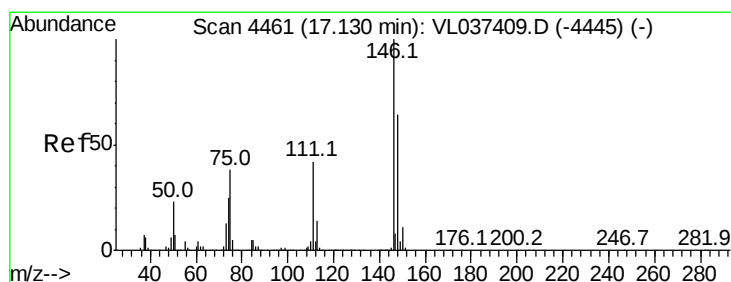
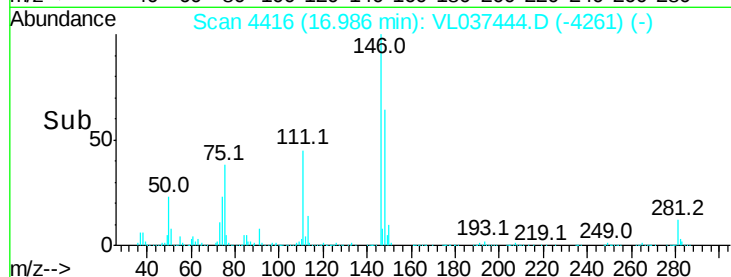
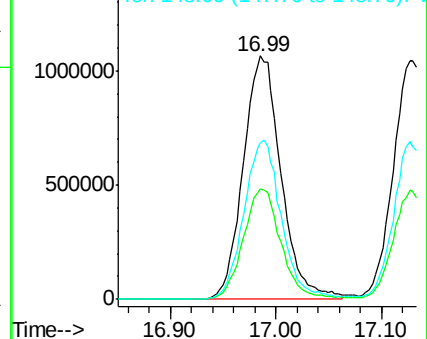
148 64.8 32.0 96.2



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: 7.476 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

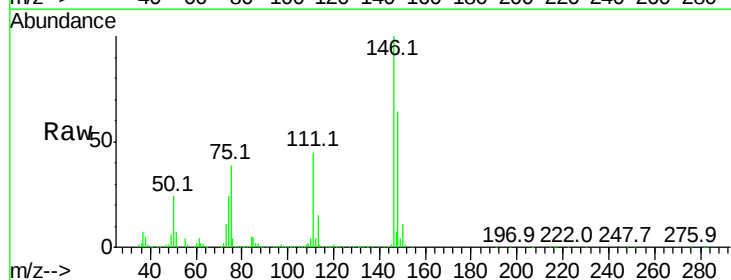
Tgt Ion:146 Resp: 2556901

Ion Ratio Lower Upper

146 100

111 46.0 22.8 68.4

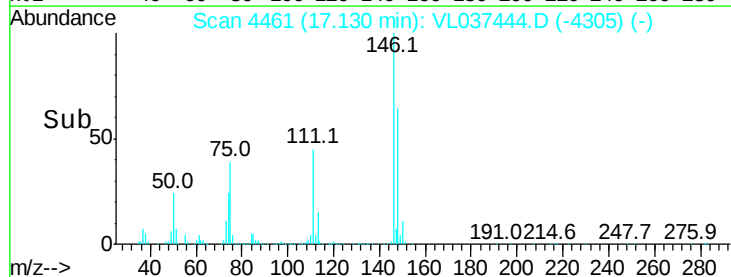
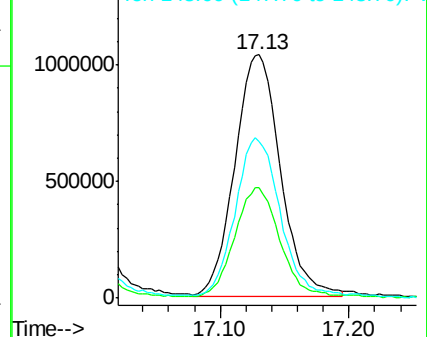
148 66.7 34.0 102.0

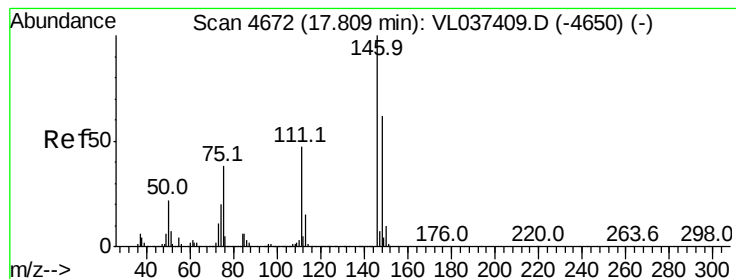


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.673 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

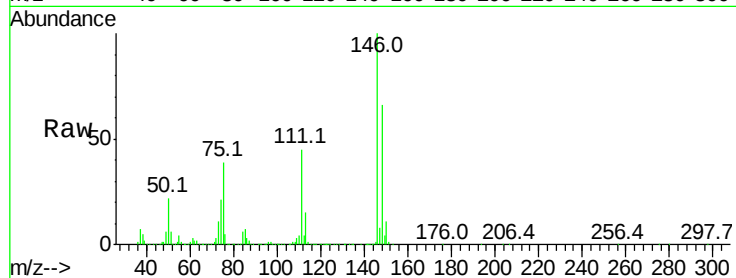
Tgt Ion:146 Resp: 2546958

Ion Ratio Lower Upper

146 100

111 47.2 23.8 71.5

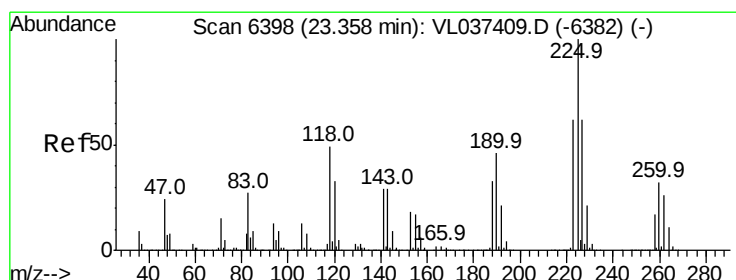
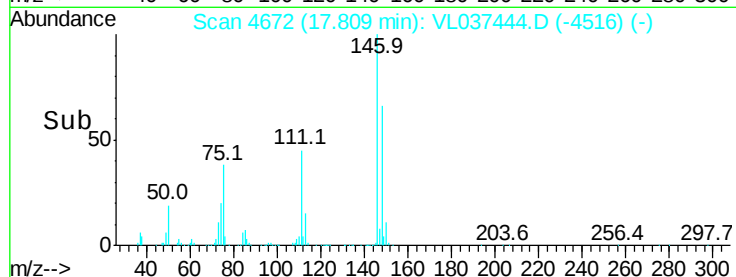
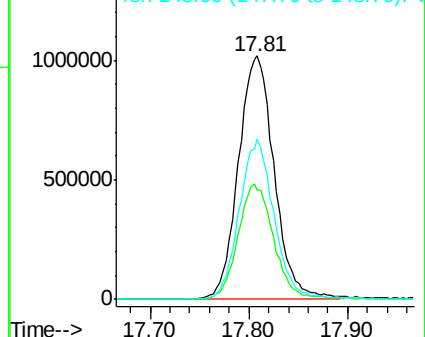
148 64.4 32.5 97.4



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: 7.263 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL037444.D

Acq: 13 Aug 2021 11:56

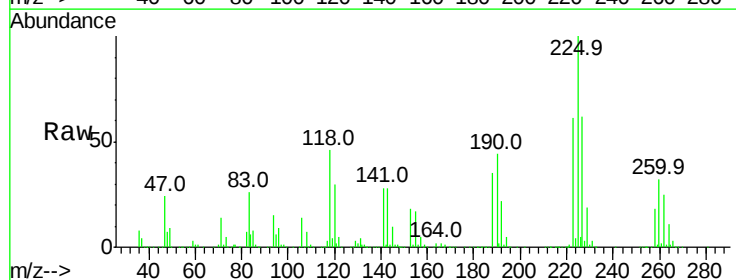
Tgt Ion:225 Resp: 1952771

Ion Ratio Lower Upper

225 100

223 64.8 51.2 76.8

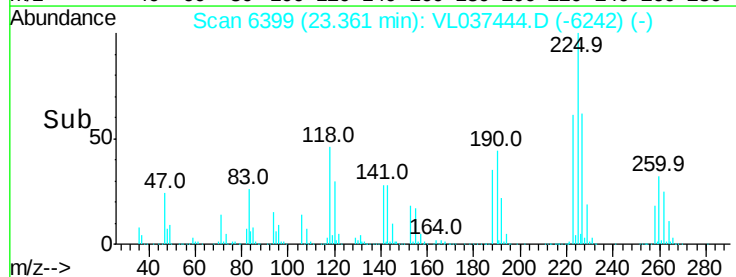
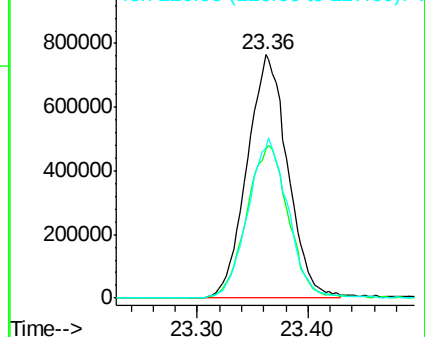
227 65.5 52.2 78.4

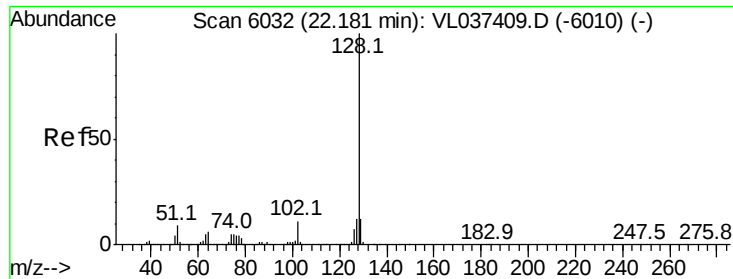


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

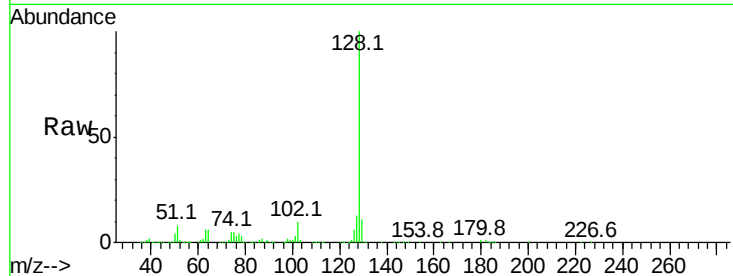




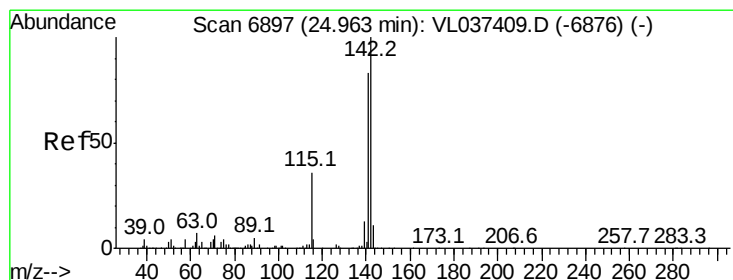
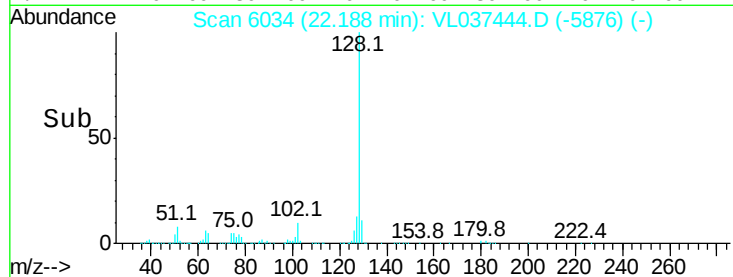
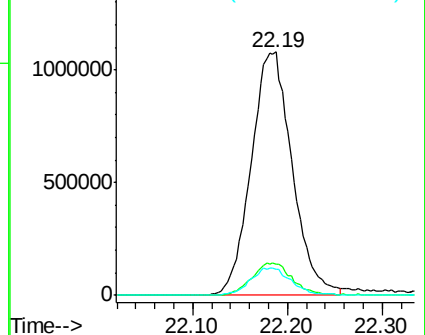
#79
Naphthalene
Concen: 10.586 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. 0.01 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:128 Resp: 3243111
Ion Ratio Lower Upper
128 100
127 13.0 9.9 14.9
129 10.6 9.4 14.0

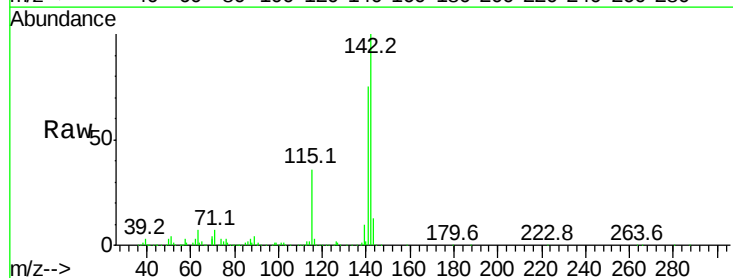


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

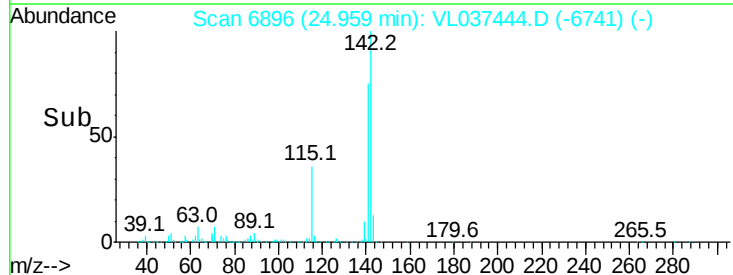
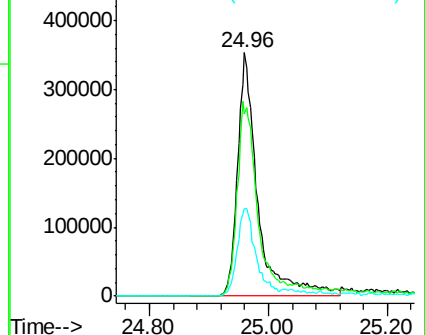


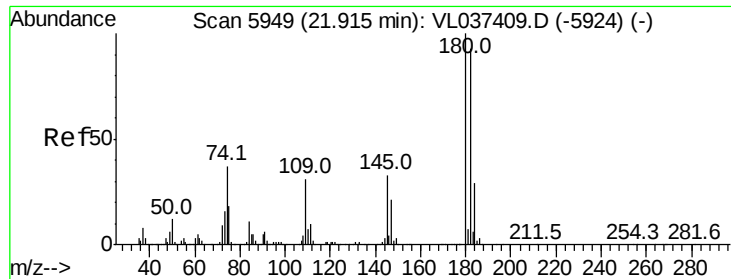
#80
Naphthalene,2-methyl-
Concen: 12.920 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL037444.D
Acq: 13 Aug 2021 11:56

Tgt Ion:142 Resp: 836027
Ion Ratio Lower Upper
142 100
141 84.0 68.7 103.1
115 36.6 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

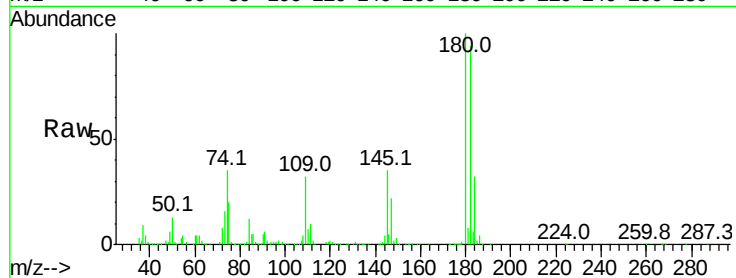




#81
 1,2,4-Trichlorobenzene
 Concen: 9.372 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.00 min
 Lab File: VL037444.D
 Acq: 13 Aug 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tgt Ion:180 Resp: 1950870
 Ion Ratio Lower Upper
 180 100
 182 99.1 78.6 118.0
 184 32.2 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

