

Data File : VL036052.D
Acq On : 3 Dec 2020 13:36
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Dec 03 14:20:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 03 12:00:21 2020
QLast Update : Thu Dec 03 12:00:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1156676	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4159033	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	5767963	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3270502	7.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	2273612	10.440	ppbv	99
3) Chlorodifluoromethane	2.97	51	1882689	13.592	ppbv	99
4) Chloromethane	3.13	50	915949	13.612	ppbv	99
5) Vinyl Chloride	3.24	62	1197781	13.964	ppbv	100
6) Bromomethane	3.46	94	975623	14.142	ppbv	100
7) Chloroethane	3.54	64	435674	14.431	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	3174666	12.738	ppbv	99
9) Propene	3.00	41	724516	14.291	ppbv	100
10) Heptane	8.11	43	2150227	15.355	ppbv	100
11) Trichlorofluoromethane	3.94	101	3759030	13.747	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2884928	14.170	ppbv	99
13) Ethanol	3.59	45	98813	8.984	ppbv	98
14) Bromoethene	3.73	108	1260030	13.448	ppbv	100
15) Acetone	3.84	43	1604379	12.974	ppbv	100
16) 1,3-Butadiene	3.31	39	772217	14.504	ppbv	100
17) tert-Butyl alcohol	4.28	59	1667385	10.174	ppbv	100
18) 1,1-Dichloroethene	4.28	96	1332734	14.258	ppbv	97
19) Isopropyl Alcohol	3.96	45	772771	10.169	ppbv	99
20) Methylene Chloride	4.33	84	1116694	12.828	ppbv	98
21) Allyl Chloride	4.40	41	981389	14.675	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	1369702	14.454	ppbv	98
23) Vinyl Acetate	5.06	43	2311522	13.335	ppbv	100
24) 1,1-Dichloroethane	5.00	63	2277061	13.789	ppbv	100
25) Ethyl Acetate	5.67	43	3513475	14.423	ppbv	100
26) Hexane	5.67	57	1868877	13.911	ppbv	99
27) Carbon Disulfide	4.54	76	3004792	14.926	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2921916	12.111	ppbv	100
29) Chloroform	5.74	83	3515497	13.313	ppbv	97
30) Cyclohexane	7.12	84	1936954	13.237	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1918155	13.879	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	3379493	12.264	ppbv	100
34) 2-Butanone	5.23	43	2198676	16.289	ppbv	99
35) Carbon Tetrachloride	7.01	117	3400835	15.304	ppbv	98
36) Benzene	6.88	78	4426271	14.315	ppbv	99
37) 1,2-Dichloroethane	6.30	62	2236210	15.964	ppbv	99
38) Trichloroethene	7.83	130	2061051	13.647	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1614724	15.512	ppbv	99
40) 1,4-Dioxane	7.82	88	546788	11.083	ppbv	92
41) Tetrahydrofuran	6.04	42	1281050	16.705	ppbv	99
42) Bromodichloromethane	7.79	83	3766497	15.936	ppbv	98
43) Methyl Methacrylate	8.01	69	1906902	16.169	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 03 12:00:21 2020
QLast Update : Thu Dec 03 12:00:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6157788	15.050	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	2040851	16.324	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	2505539	15.824	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	2084950	14.699	ppbv	98
48) Dibromochloromethane	10.30	129	3355329	15.484	ppbv	99
49) Bromoform	13.04	173	2699061	14.761	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	3516294	17.037	ppbv	98
51) 2-Hexanone	10.13	43	2874093	17.335	ppbv #	98
52) Tetrachloroethene	11.22	164	1856109	12.671	ppbv	98
53) Toluene	9.80	91	5354885	14.353	ppbv	99
54) 1,2-Dibromoethane	10.61	107	3139950	14.556	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	2578777	9.961	ppbv #	69
57) Chlorobenzene	12.14	112	4286851	9.347	ppbv	96
58) Ethyl Benzene	12.71	91	6773064	9.641	ppbv	94
59) m/p-Xylene	12.99	91	6054060	10.186	ppbv #	30
60) o-Xylene	13.69	91	5716270	9.887	ppbv	98
61) Styrene	13.52	104	4123690	9.734	ppbv	98
62) Isopropylbenzene	14.66	105	8130946	8.947	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.67	83	4112303	9.179	ppbv	100
64) n-propylbenzene	15.56	120	2448101	9.320	ppbv	87
65) tert-Butylbenzene	16.74	119	7119506	8.607	ppbv	98
66) Benzyl Chloride	16.99	91	2314951	8.467	ppbv	99
67) sec-Butylbenzene	17.29	105	9334212	8.374	ppbv	96
69) p-Isopropyltoluene	17.65	119	7667186	8.335	ppbv	97
70) n-Butylbenzene	18.55	91	7613782	8.595	ppbv	97
71) 2-Chlorotoluene	15.45	91	6184036	9.303	ppbv	97
72) 4-Ethyltoluene	15.84	105	6489542	9.254	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	5953514	9.277	ppbv	95
74) 1,2,4-Trimethylbenzene	16.76	105	6143303	8.934	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	3706388	8.466	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3609237	8.545	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3462149	8.112	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1963927	9.862	ppbv	99
79) Naphthalene	22.19	128	4324965	9.023	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	1428351	18.285	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	2533237	9.459	ppbv	99

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

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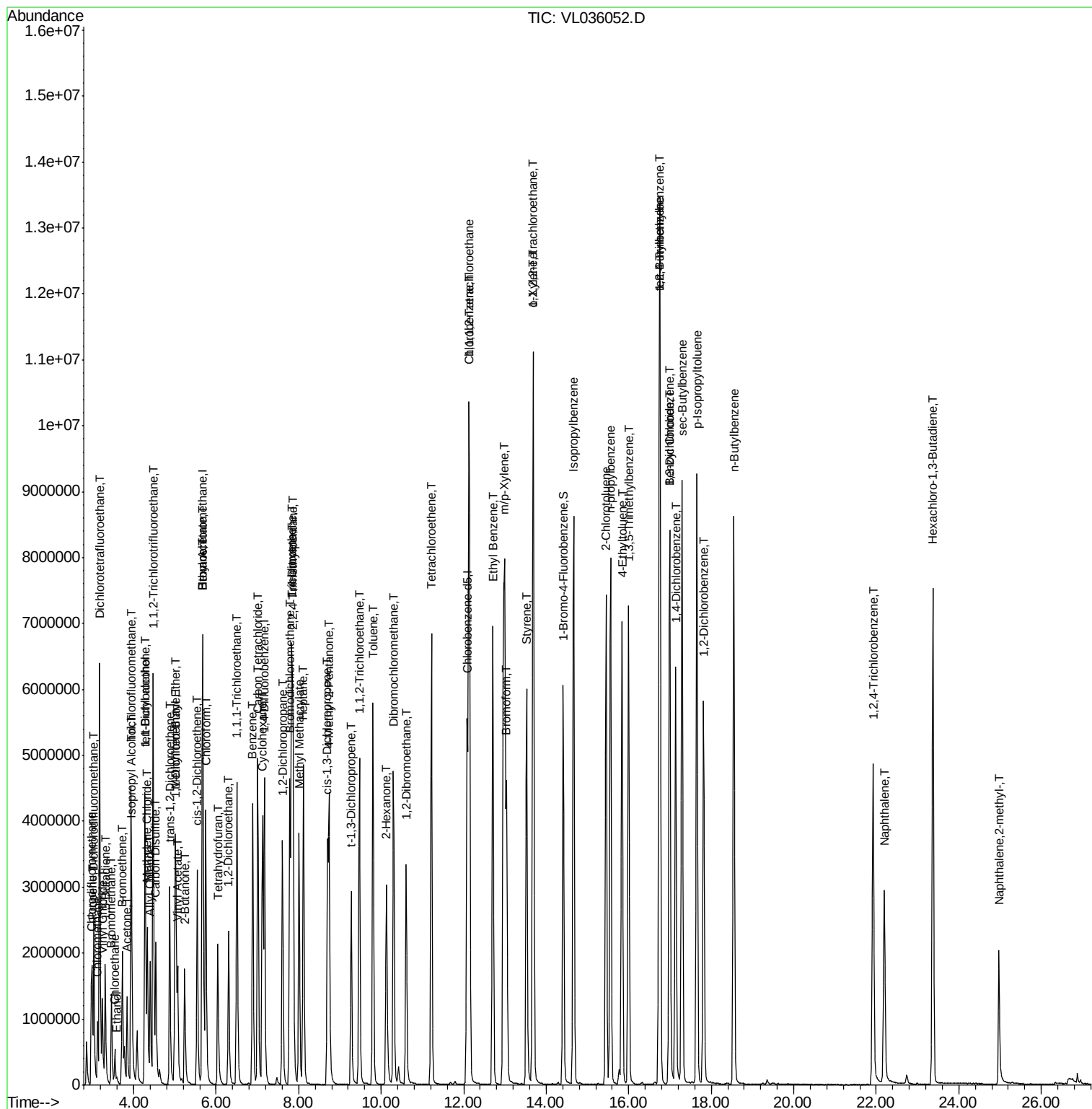
Quant Time: Dec 03 14:20:42 2020

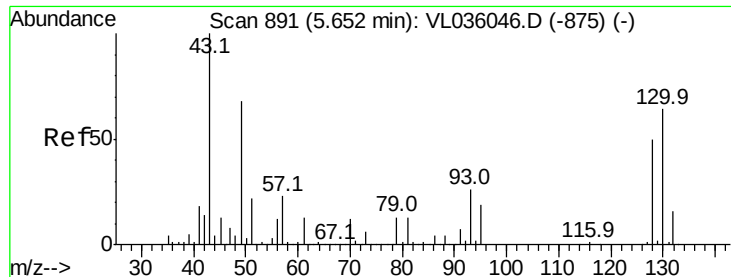
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL120320AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Dec 03 12:00:21 2020

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

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ClientSampleId :

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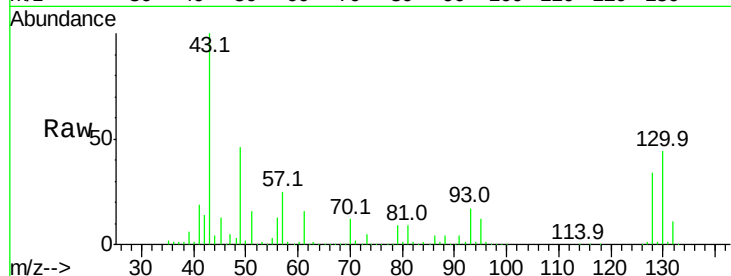
Tgt Ion: 49 Resp: 1156676

Ion Ratio Lower Upper

49 100

128 77.4 38.3 114.8

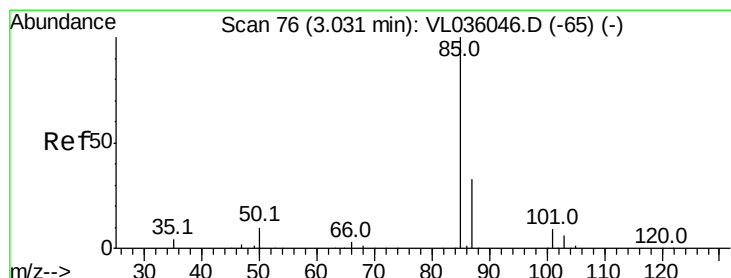
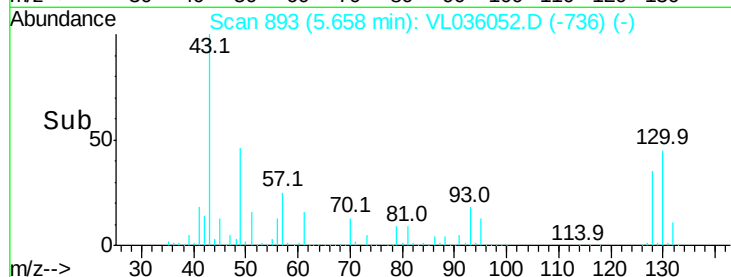
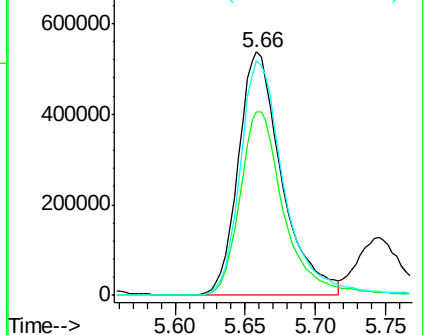
130 99.1 49.1 147.4



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: 10.440 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036052.D

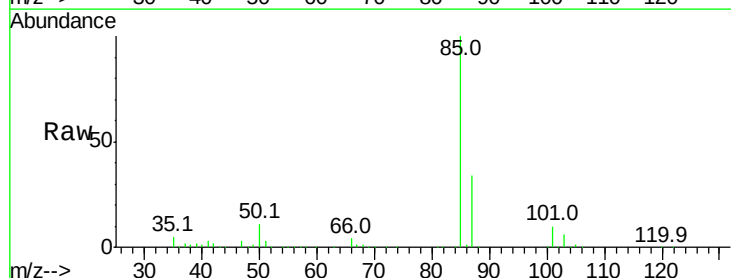
Acq: 3 Dec 2020 13:36

Tgt Ion: 85 Resp: 2273612

Ion Ratio Lower Upper

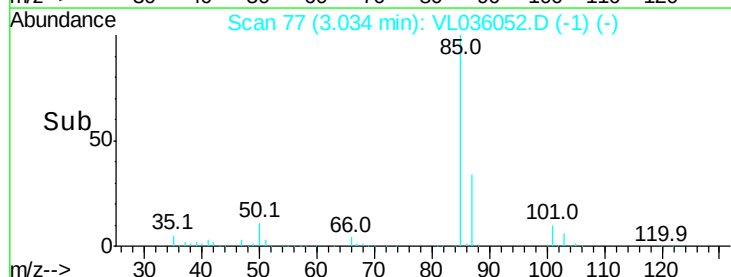
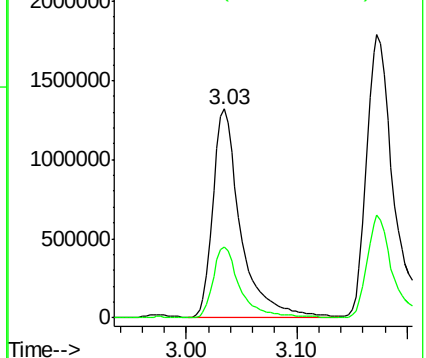
85 100

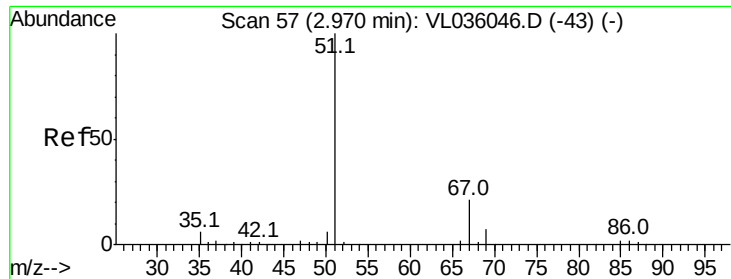
87 34.1 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 13.592 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

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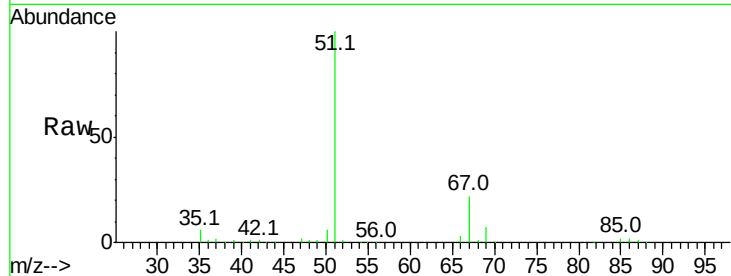
VSTDIC015

Tgt Ion: 51 Resp: 1882689

Ion Ratio Lower Upper

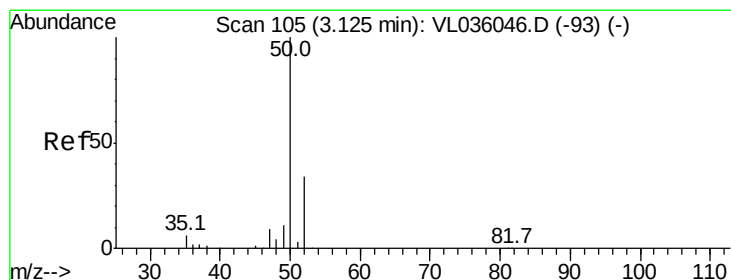
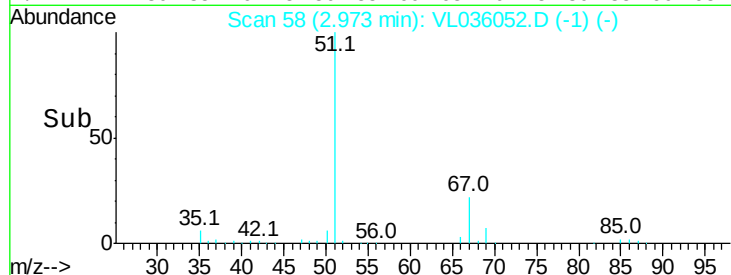
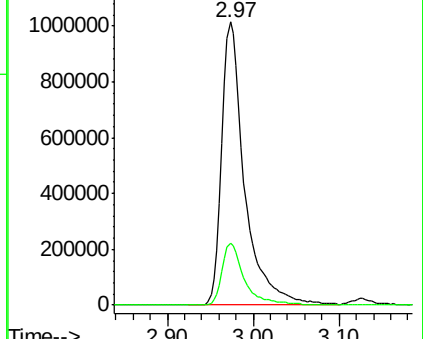
51 100

67 21.4 16.9 25.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 13.612 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL036052.D

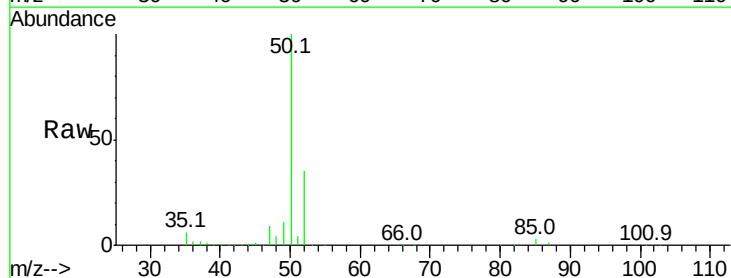
Acq: 3 Dec 2020 13:36

Tgt Ion: 50 Resp: 915949

Ion Ratio Lower Upper

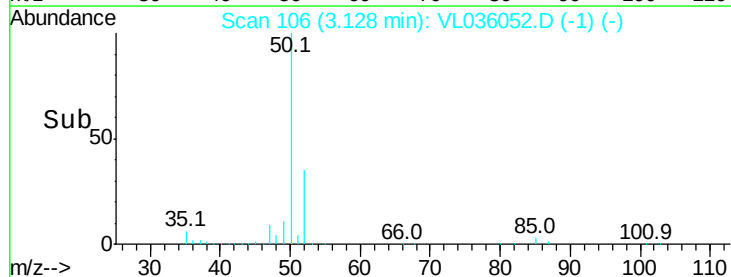
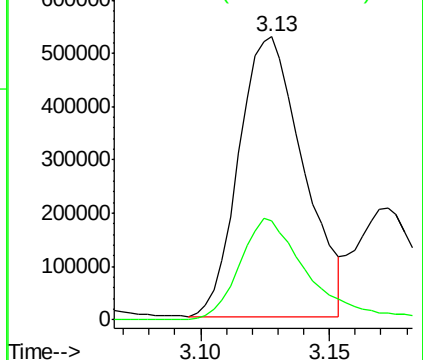
50 100

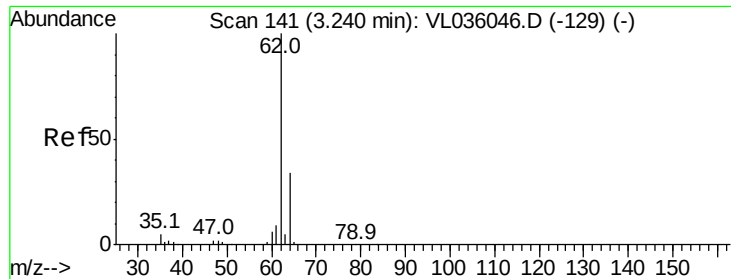
52 35.1 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 13.964 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

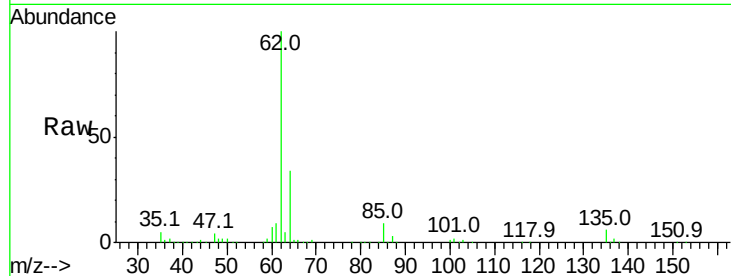
VSTDIC015

Tgt Ion: 62 Resp: 1197781

Ion Ratio Lower Upper

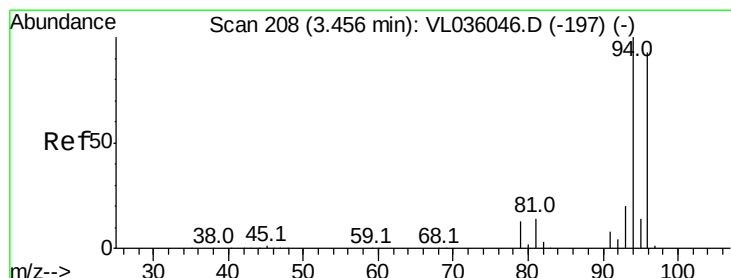
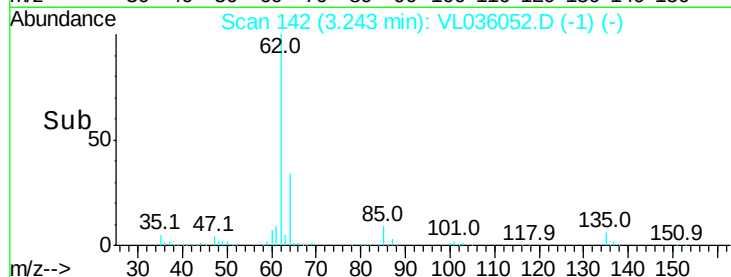
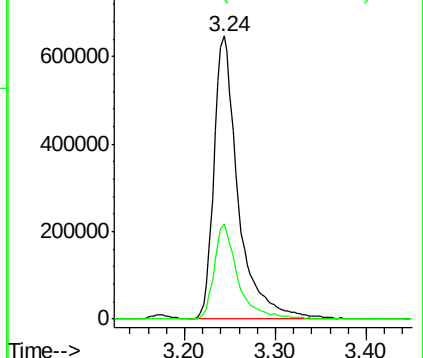
62 100

64 33.8 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 14.142 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL036052.D

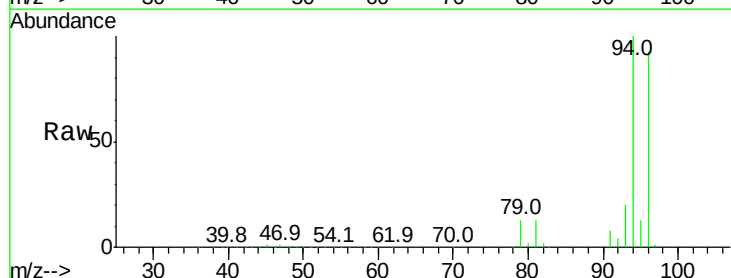
Acq: 3 Dec 2020 13:36

Tgt Ion: 94 Resp: 975623

Ion Ratio Lower Upper

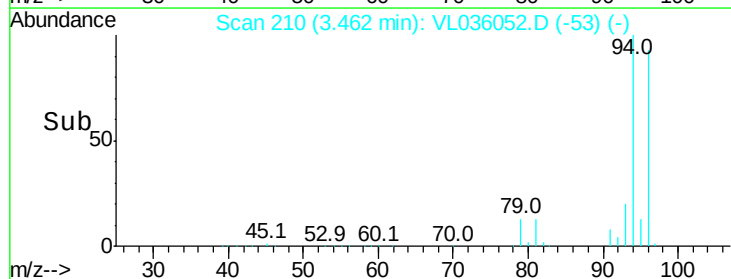
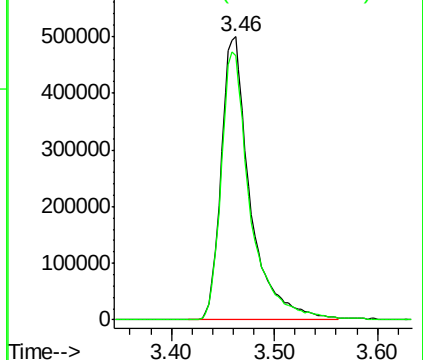
94 100

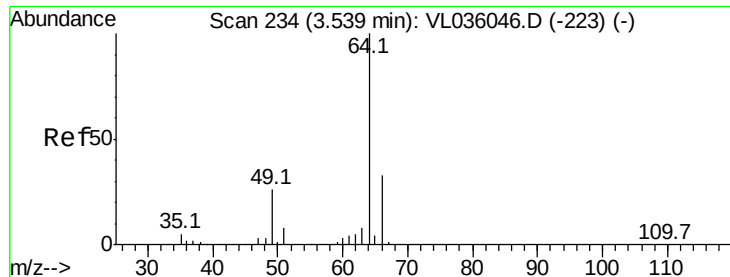
96 93.2 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.431 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

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Acq: 3 Dec 2020 13:36

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ClientSampleId :

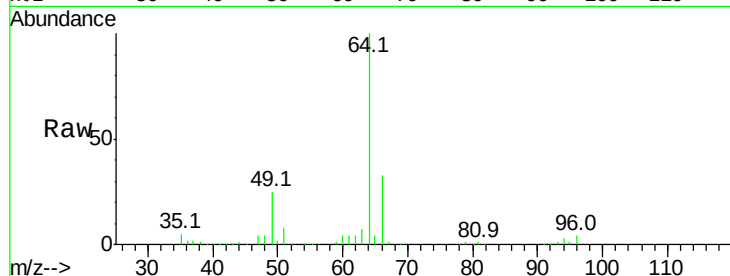
VSTDIC015

Tgt Ion: 64 Resp: 435674

Ion Ratio Lower Upper

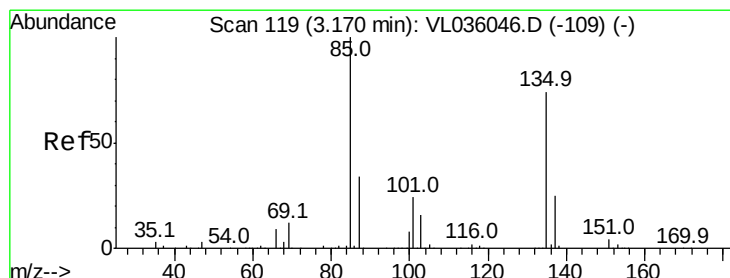
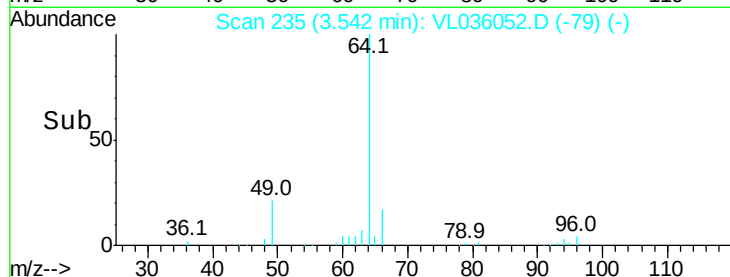
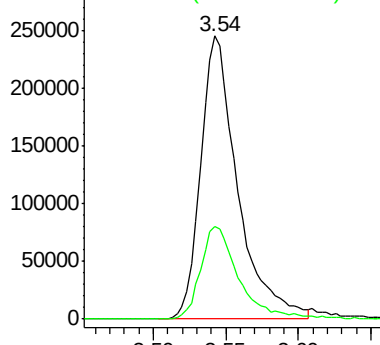
64 100

66 32.8 26.1 39.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.738 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036052.D

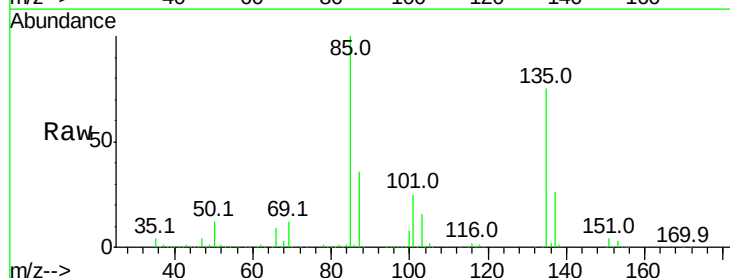
Acq: 3 Dec 2020 13:36

Tgt Ion: 85 Resp: 3174666

Ion Ratio Lower Upper

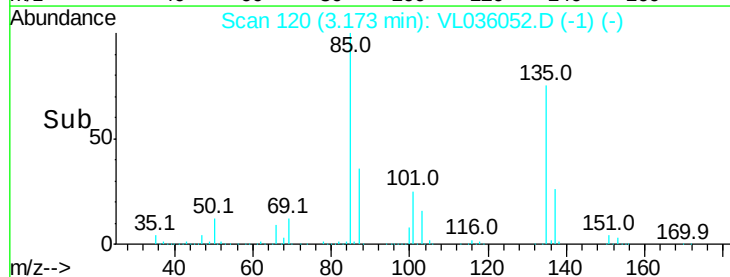
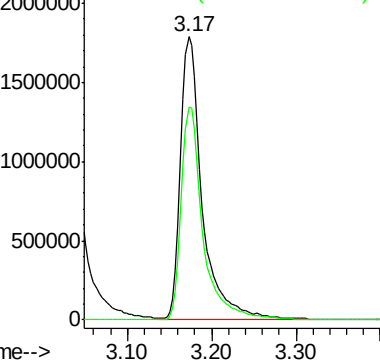
85 100

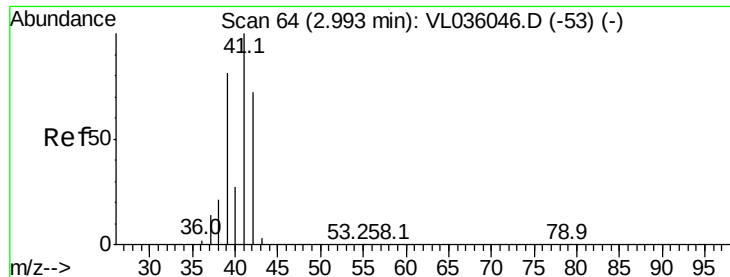
135 76.1 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 14.291 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

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ClientSampleId :

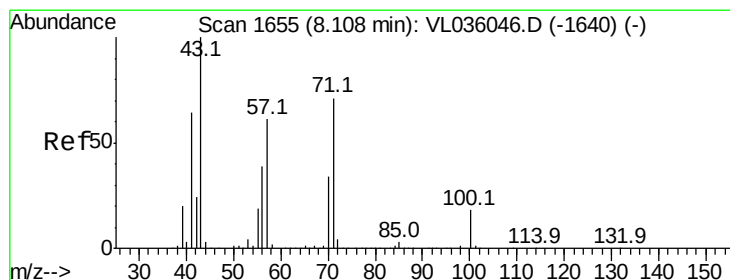
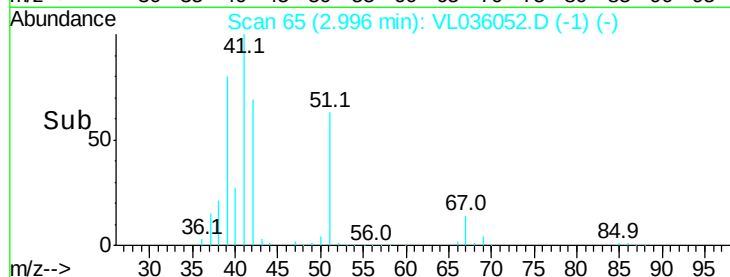
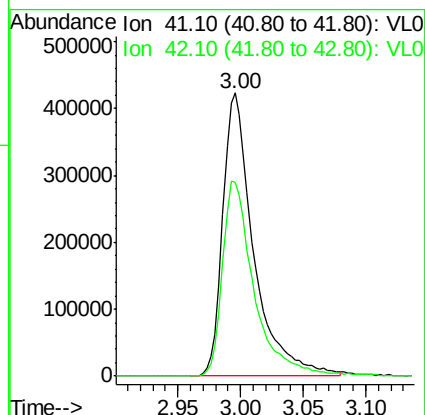
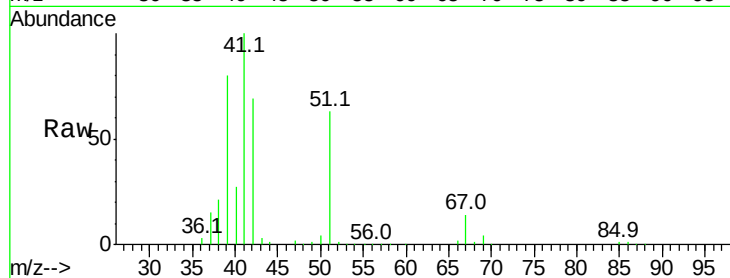
VSTDIC015

Tgt Ion: 41 Resp: 724516

Ion Ratio Lower Upper

41 100

42 71.1 56.9 85.3



#10

Heptane

Concen: 15.355 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL036052.D

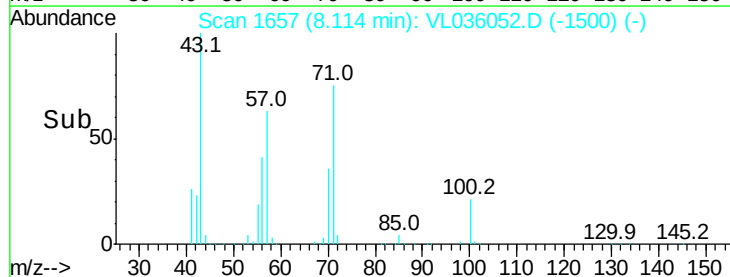
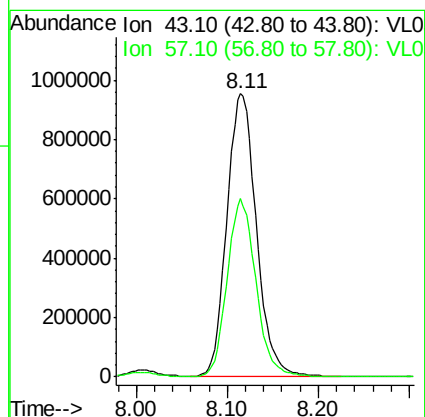
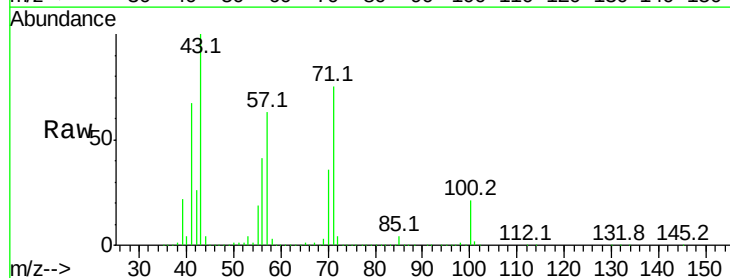
Acq: 3 Dec 2020 13:36

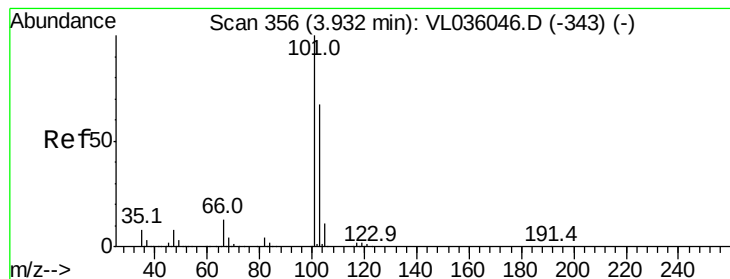
Tgt Ion: 43 Resp: 2150227

Ion Ratio Lower Upper

43 100

57 61.5 49.2 73.8





#11

Trichlorofluoromethane

Concen: 13.747 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

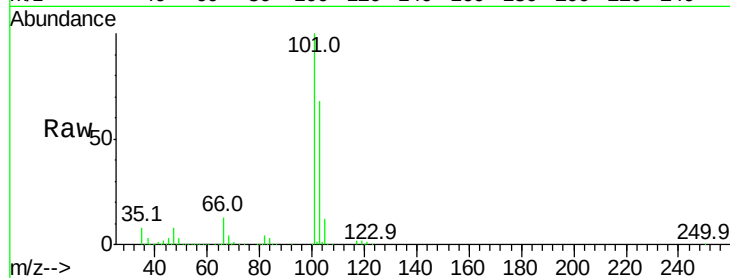
VSTDIC015

Tgt Ion:101 Resp: 3759030

Ion Ratio Lower Upper

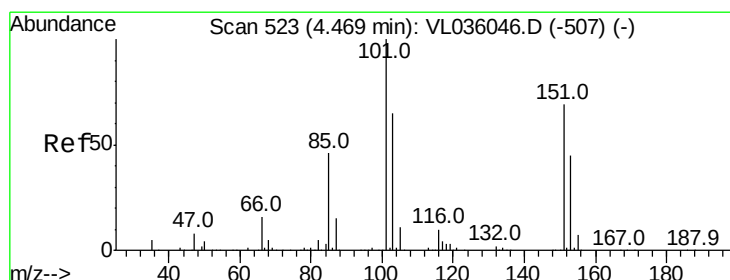
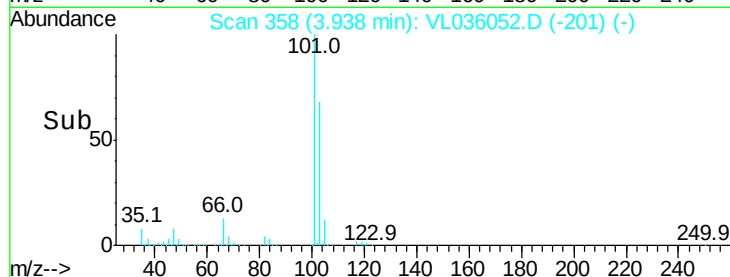
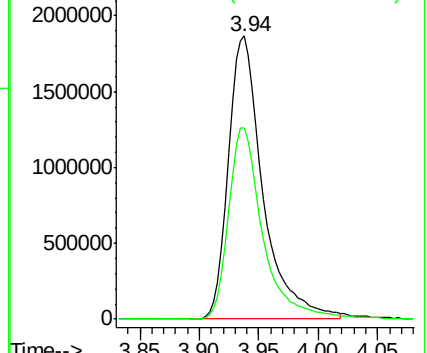
101 100

103 67.6 53.2 79.8



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: 14.170 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL036052.D

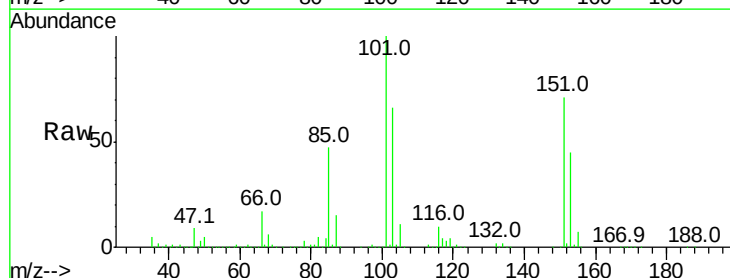
Acq: 3 Dec 2020 13:36

Tgt Ion:101 Resp: 2884928

Ion Ratio Lower Upper

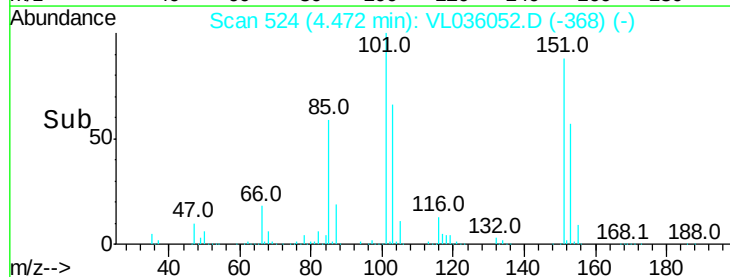
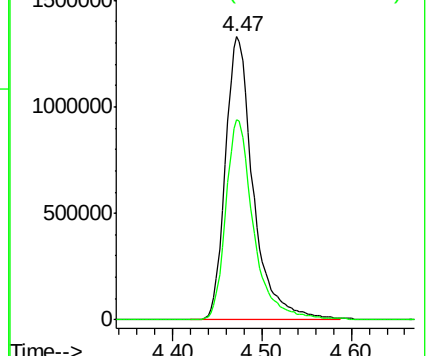
101 100

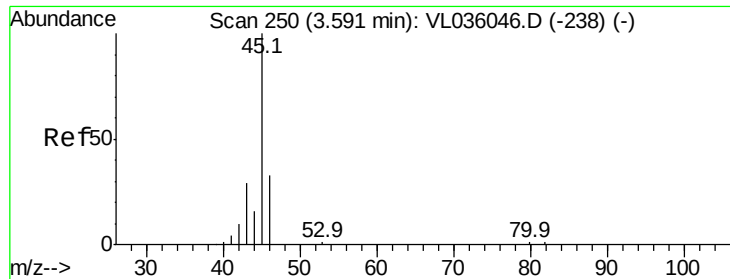
151 70.8 56.1 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.984 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

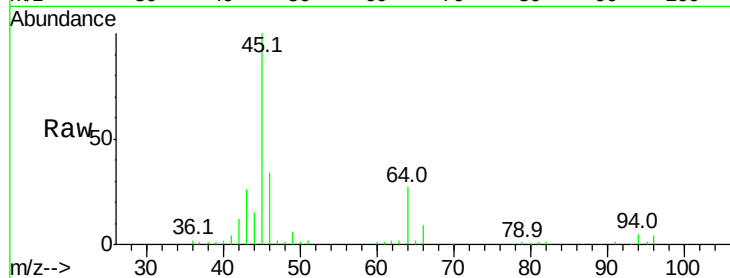
VSTDIC015

Tgt Ion: 45 Resp: 98813

Ion Ratio Lower Upper

45 100

46 41.4 16.0 64.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.59

40000

30000

20000

10000

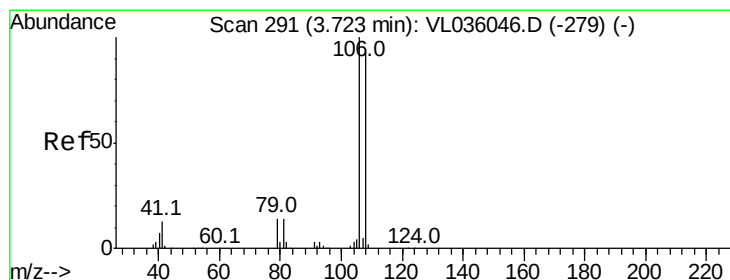
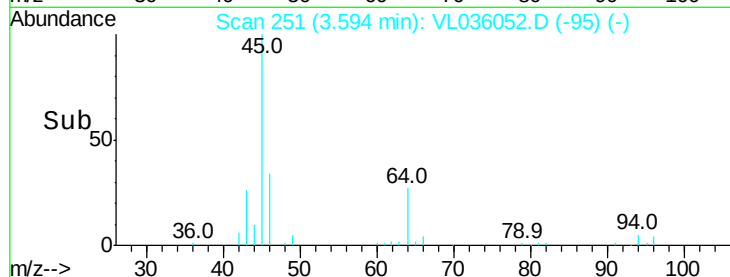
0

Time-->

3.55

3.60

3.65



#14

Bromoethene

Concen: 13.448 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

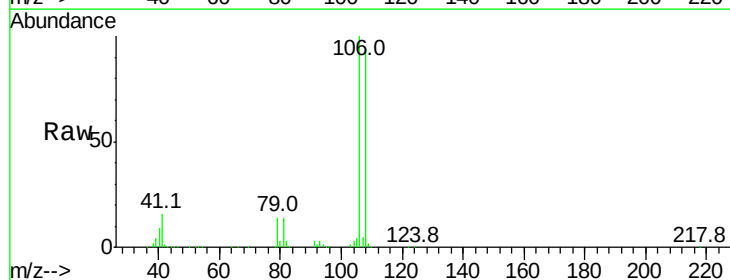
Tgt Ion: 108 Resp: 1260030

Ion Ratio Lower Upper

108 100

106 105.7 85.0 127.4

79 15.1 11.9 17.9



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

800000

600000

400000

200000

0

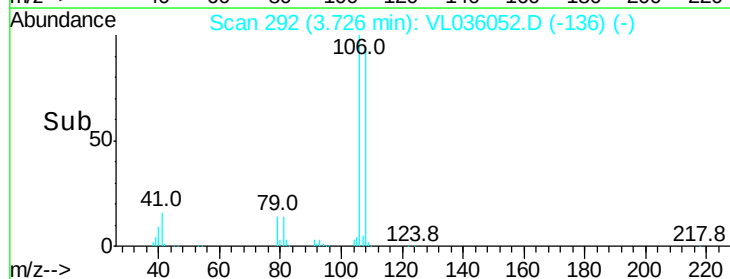
Time-->

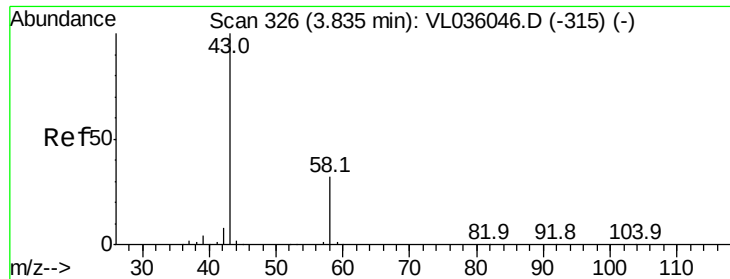
3.60

3.70

3.80

3.90





#15

Acetone

Concen: 12.974 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

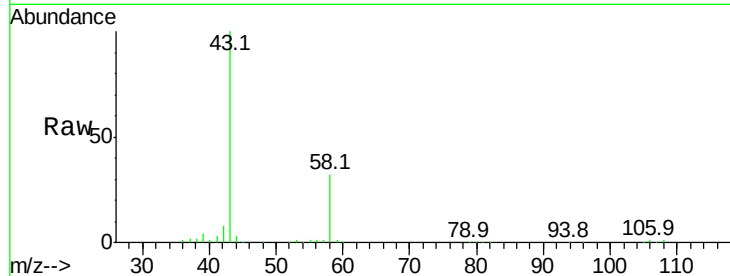
VSTDIC015

Tgt Ion: 43 Resp: 1604379

Ion Ratio Lower Upper

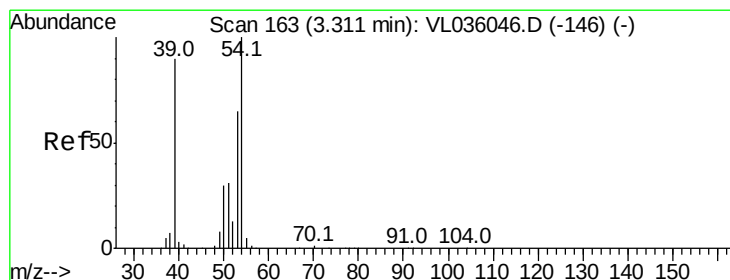
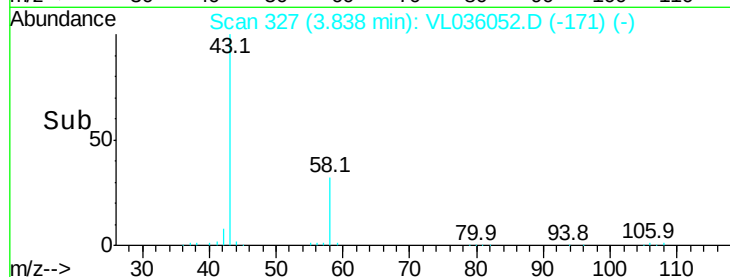
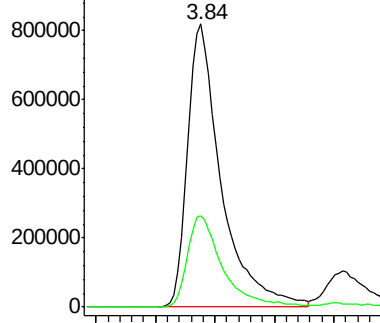
43 100

58 33.7 27.0 40.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 14.504 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL036052.D

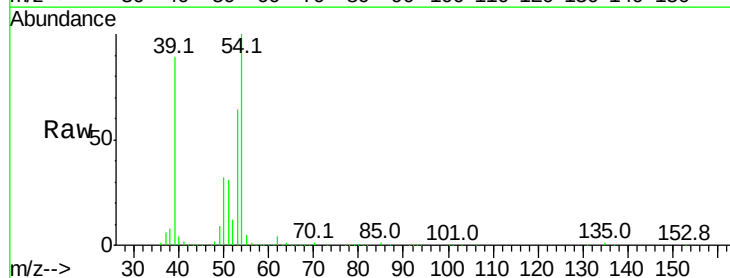
Acq: 3 Dec 2020 13:36

Tgt Ion: 39 Resp: 772217

Ion Ratio Lower Upper

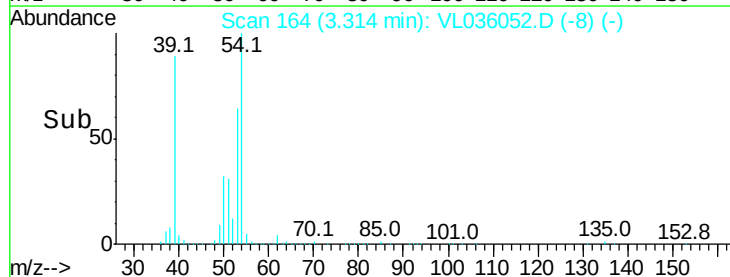
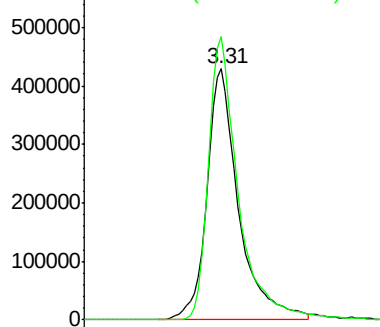
39 100

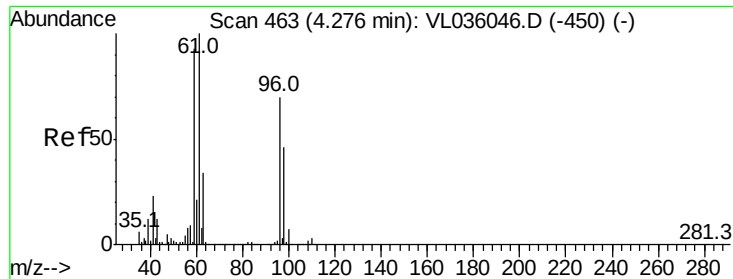
54 107.5 86.1 129.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.174 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

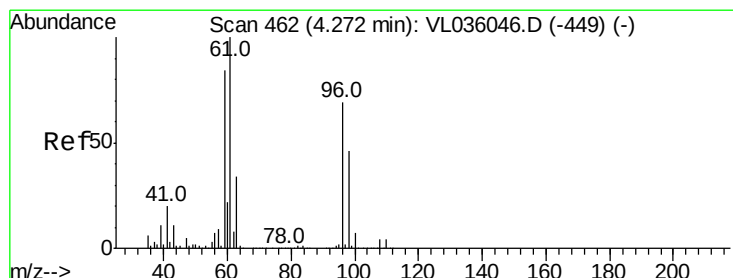
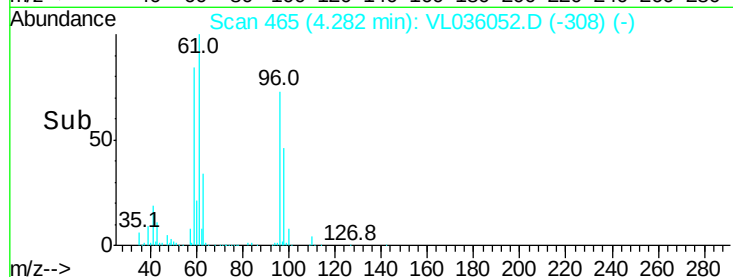
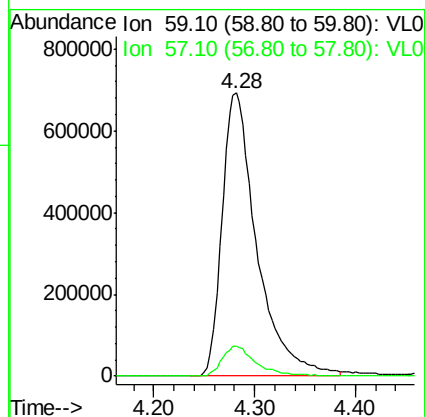
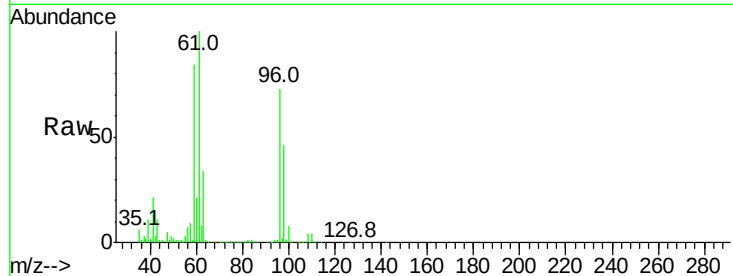
VSTDIC015

Tgt Ion: 59 Resp: 1667385

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#18

1,1-Dichloroethene

Concen: 14.258 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

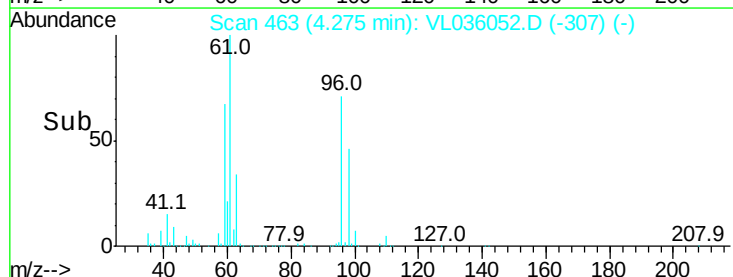
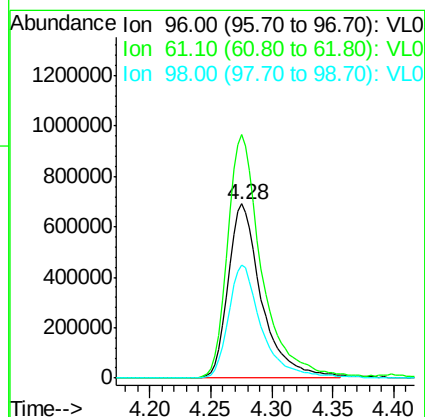
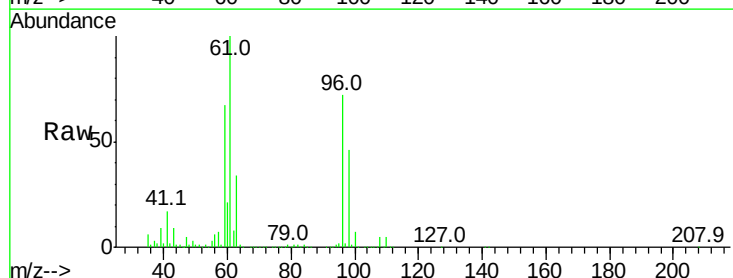
Tgt Ion: 96 Resp: 1332734

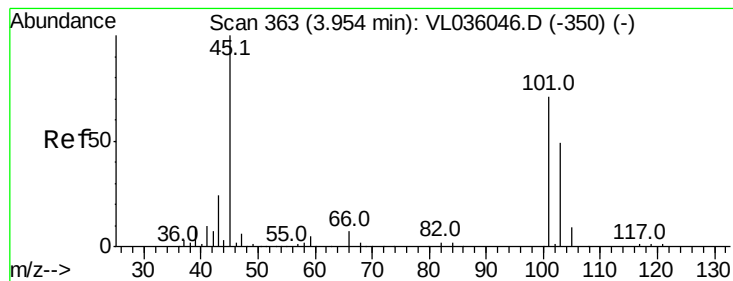
Ion Ratio Lower Upper

96 100

61 139.8 115.8 173.6

98 64.6 53.1 79.7





#19

Isopropyl Alcohol

Concen: 10.169 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

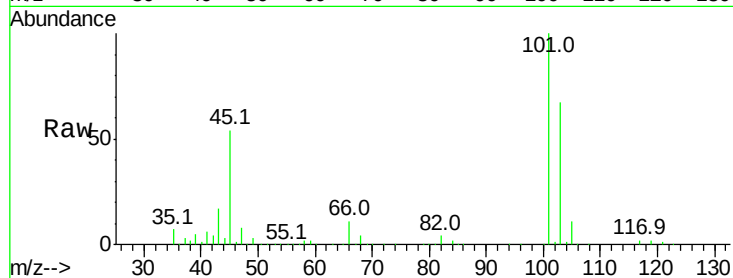
VSTDIC015

Tgt Ion: 45 Resp: 772771

Ion Ratio Lower Upper

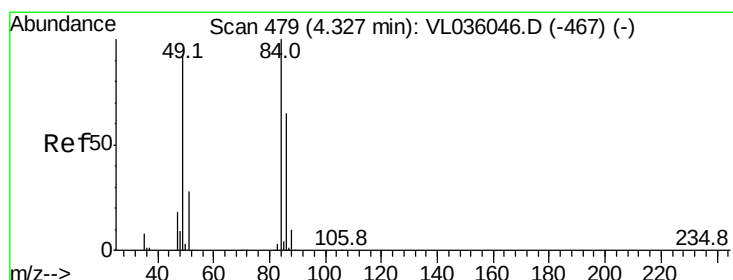
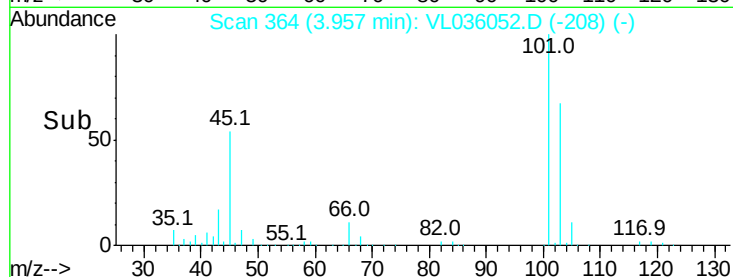
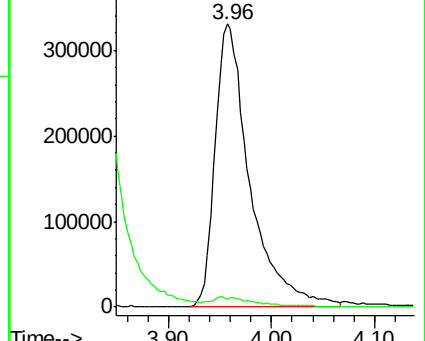
45 100

58 4.6 3.4 5.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 12.828 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Tgt Ion: 84 Resp: 1116694

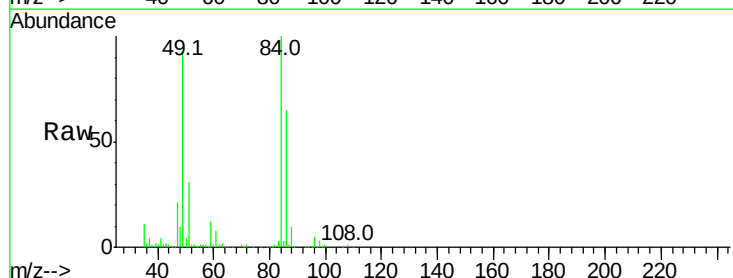
Ion Ratio Lower Upper

84 100

49 90.9 74.4 111.6

51 30.1 22.5 33.7

86 64.9 52.2 78.2

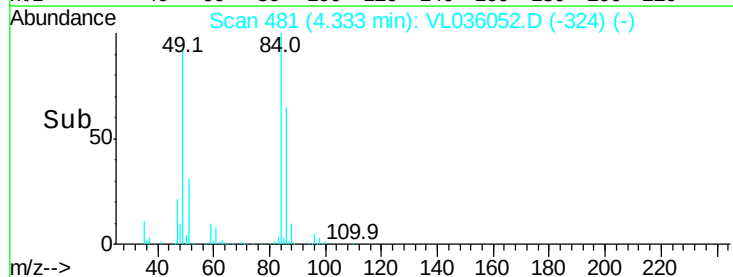
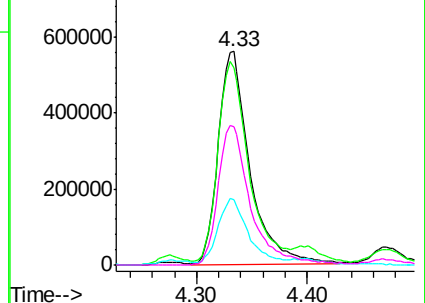


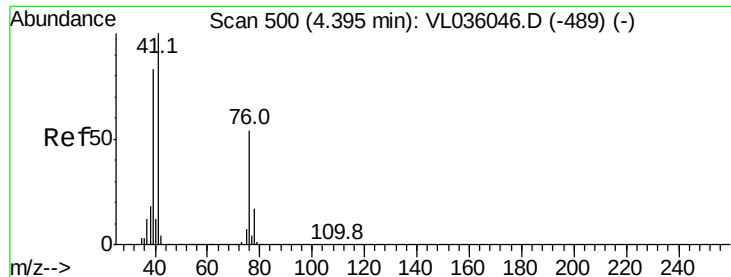
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 14.675 ppbv

RT: 4.40 min Scan# 502

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

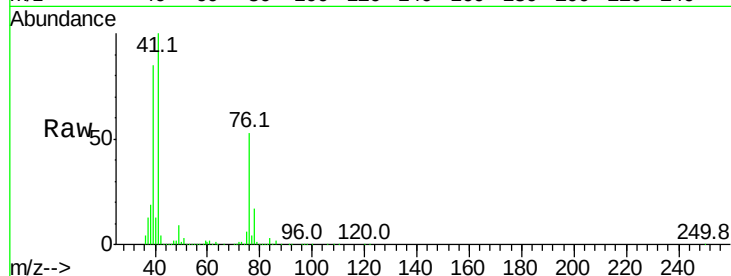
Tgt Ion: 41 Resp: 981389

Ion Ratio Lower Upper

41 100

76 53.8 42.4 63.6

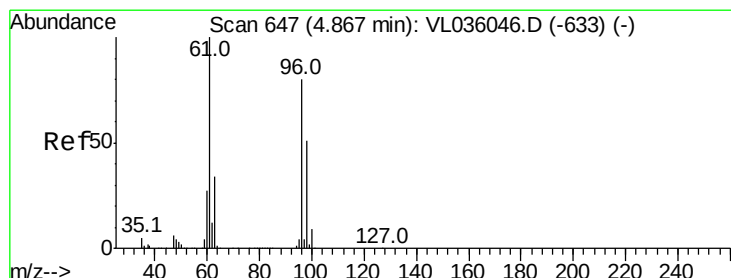
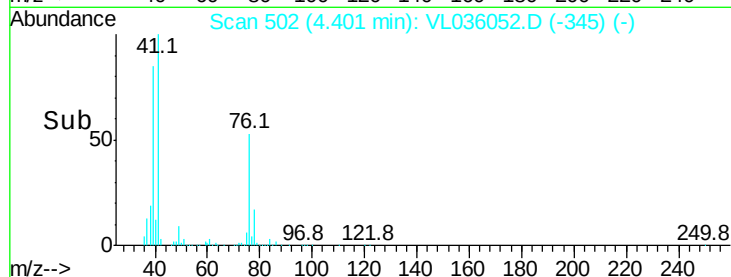
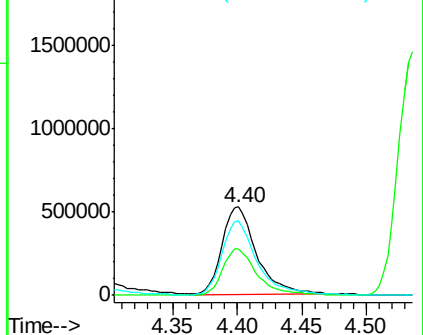
39 88.5 69.0 103.6



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: 14.454 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

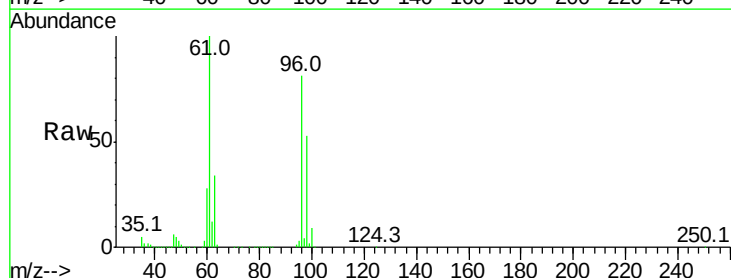
Tgt Ion: 96 Resp: 1369702

Ion Ratio Lower Upper

96 100

61 122.9 99.8 149.6

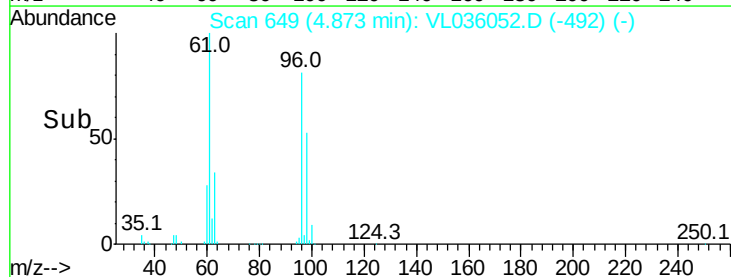
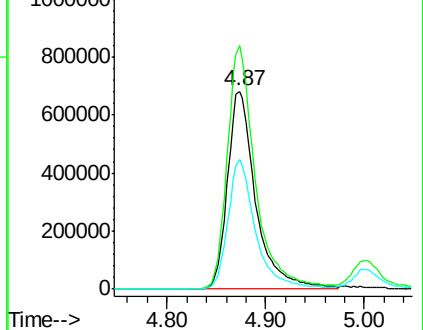
98 65.3 51.1 76.7

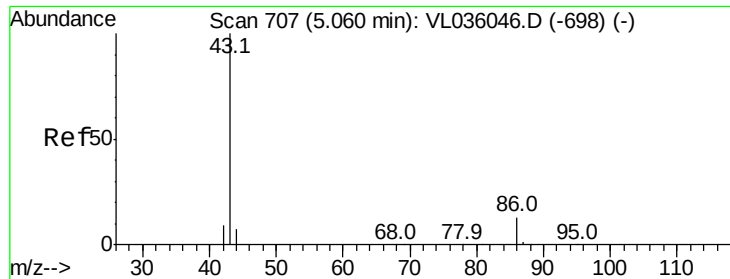


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 13.335 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2311522

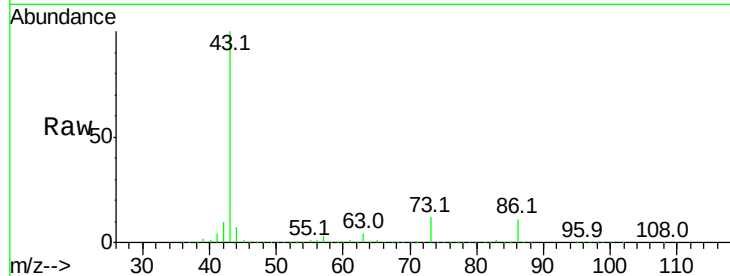
Ion Ratio Lower Upper

43 100

86 11.5 9.3 13.9

42 9.9 8.1 12.1

44 6.1 4.7 7.1

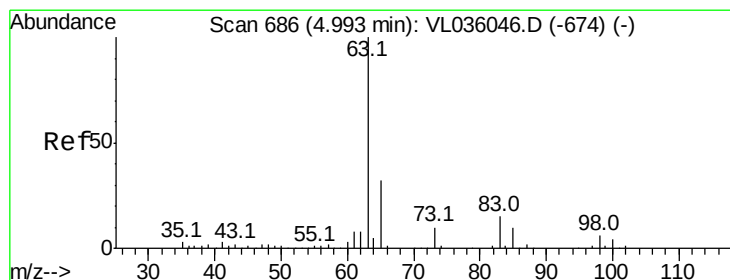
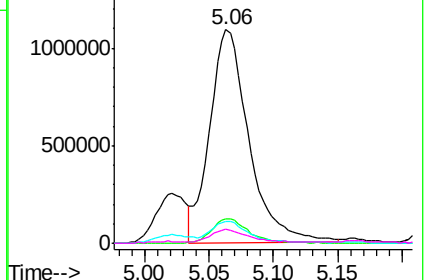
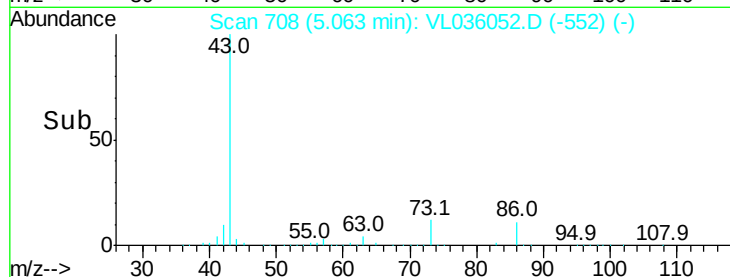


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 13.789 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

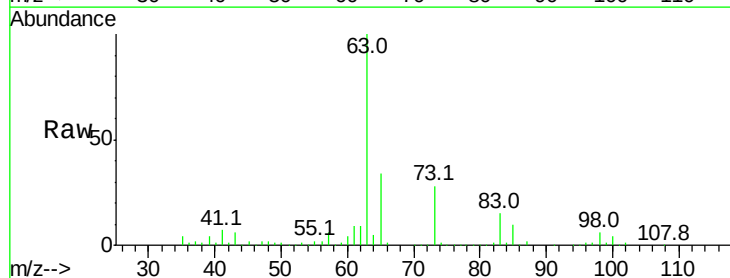
Tgt Ion: 63 Resp: 2277061

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

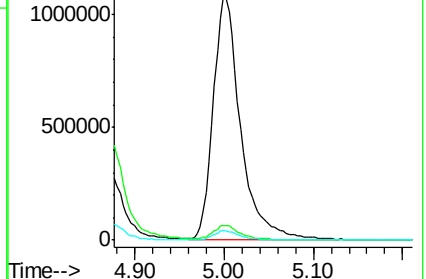
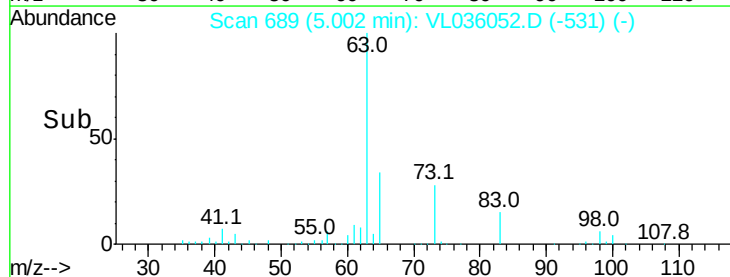
100 3.8 1.9 5.7

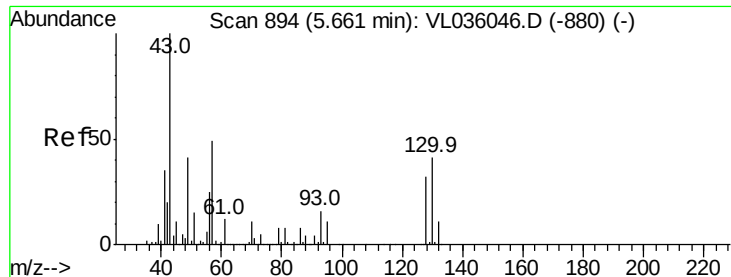


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



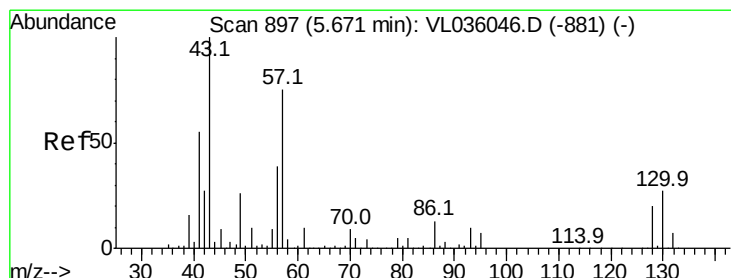
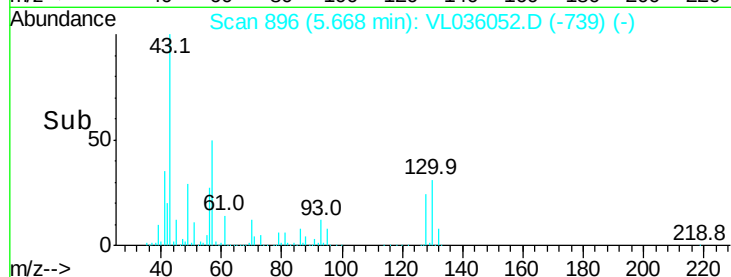
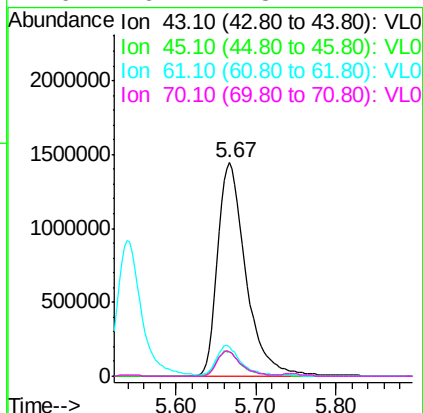
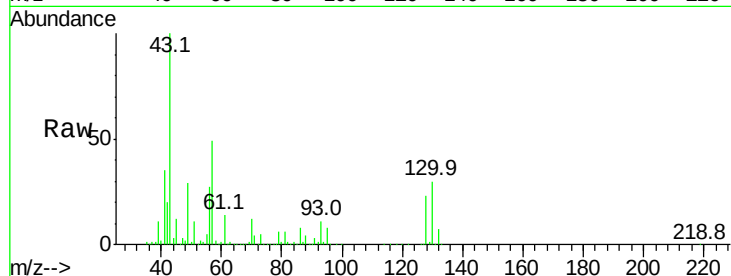


#25
Ethyl Acetate
Concen: 14.423 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 3513475

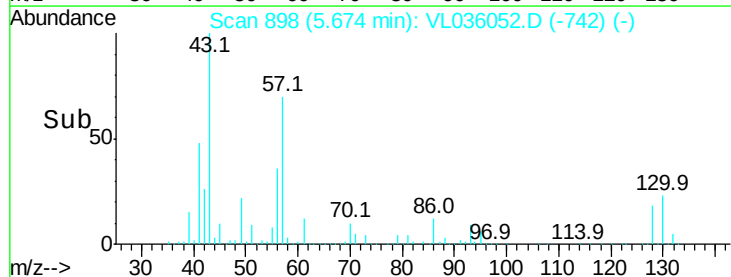
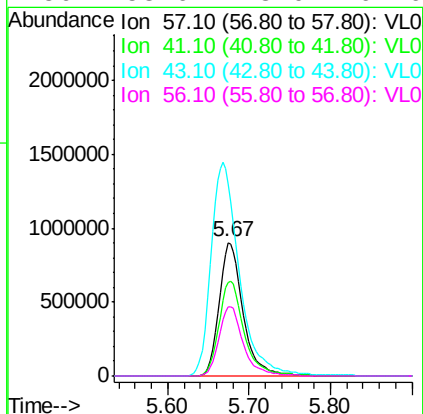
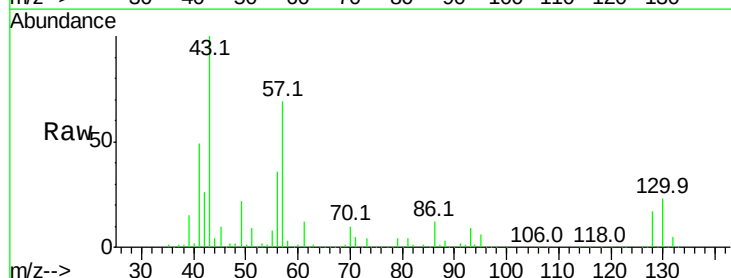
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	13.0
61	13.0	10.6	16.0
70	10.2	8.1	12.1

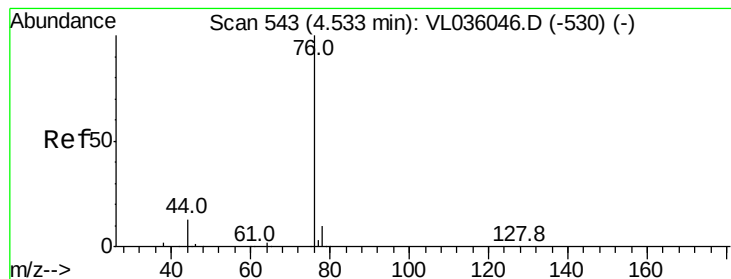


#26
Hexane
Concen: 13.911 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

Tgt Ion: 57 Resp: 1868877

Ion	Ratio	Lower	Upper
57	100		
41	75.7	61.6	92.4
43	189.0	152.9	229.3
56	53.6	43.0	64.6





#27

Carbon Disulfide

Concen: 14.926 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

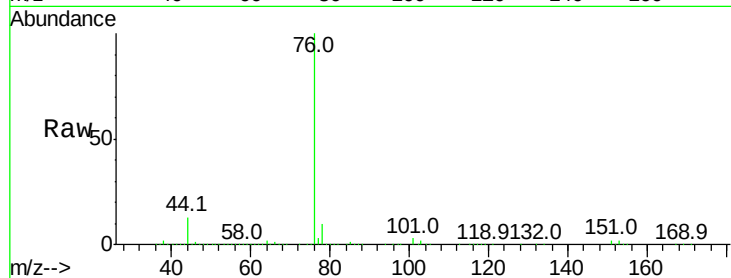
Tgt Ion: 76 Resp: 3004792

Ion Ratio Lower Upper

76 100

44 12.4 9.6 14.4

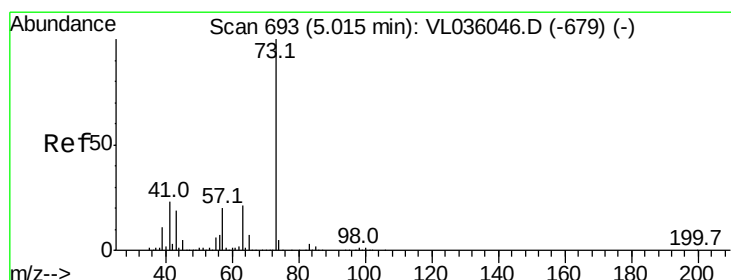
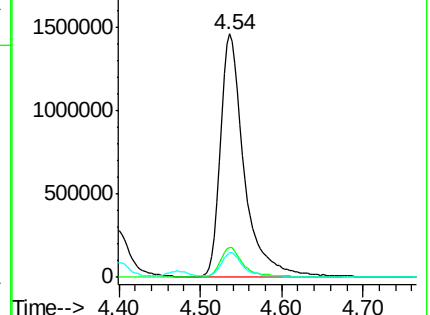
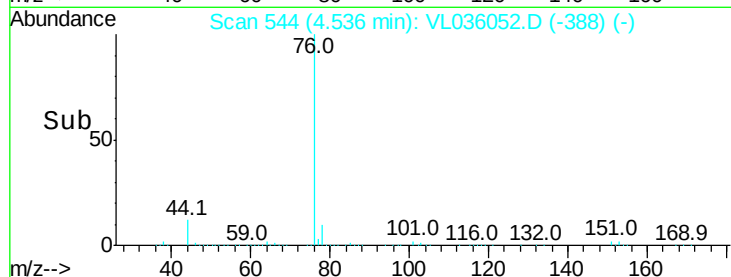
78 10.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.111 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036052.D

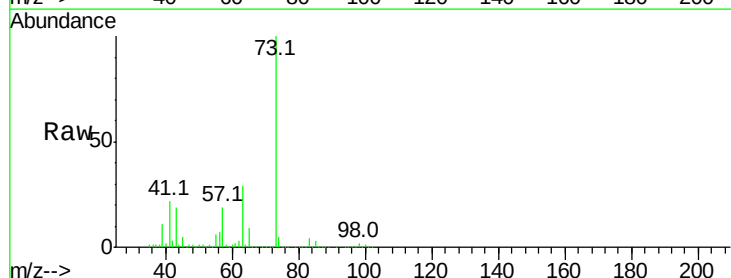
Acq: 3 Dec 2020 13:36

Tgt Ion: 73 Resp: 2921916

Ion Ratio Lower Upper

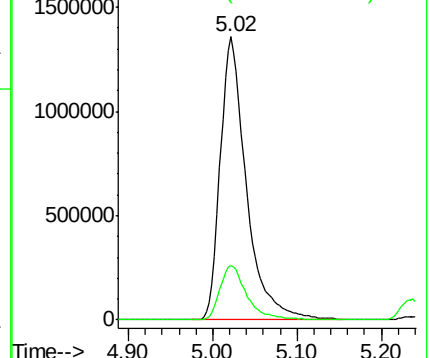
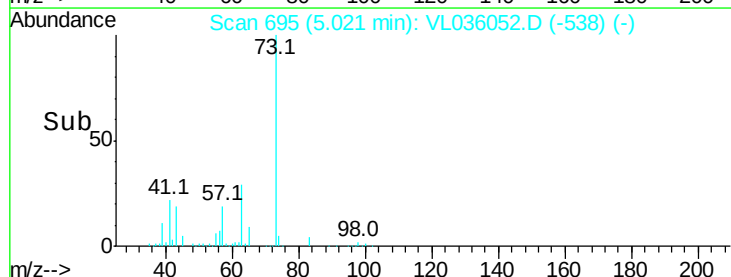
73 100

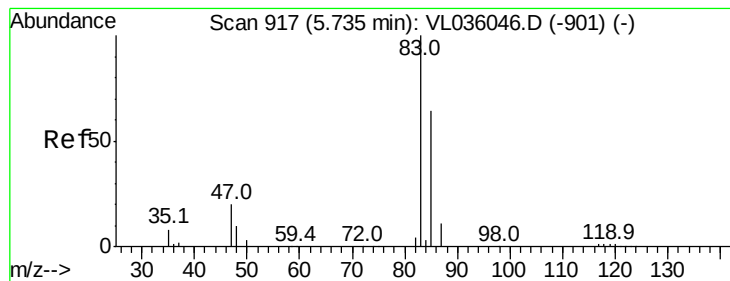
57 19.8 15.8 23.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 13.313 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

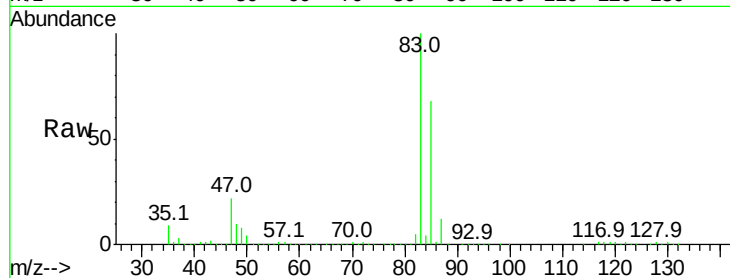
VSTDIC015

Tgt Ion: 83 Resp: 3515497

Ion Ratio Lower Upper

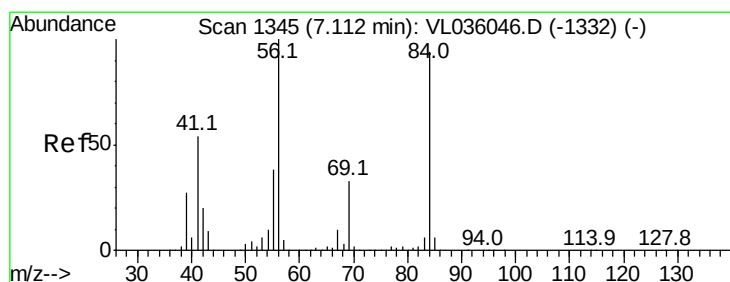
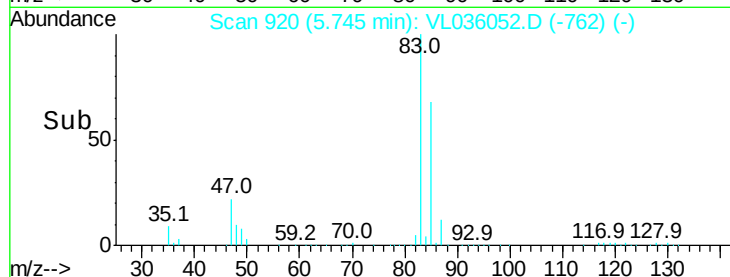
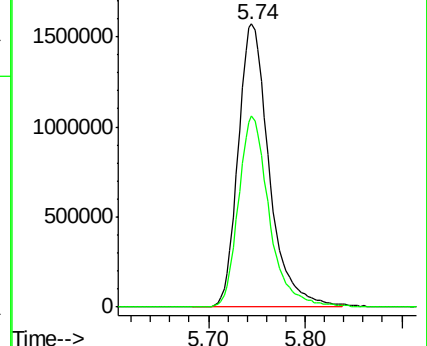
83 100

85 67.2 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 13.237 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

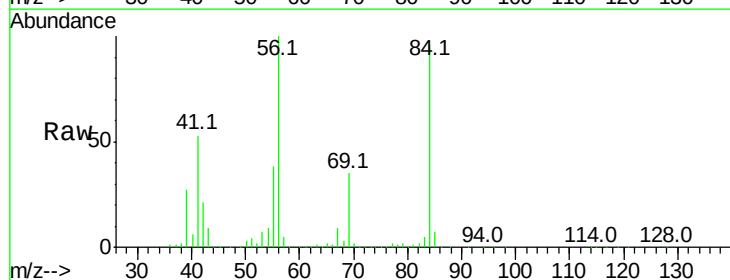
Tgt Ion: 84 Resp: 1936954

Ion Ratio Lower Upper

84 100

56 109.3 89.9 134.9

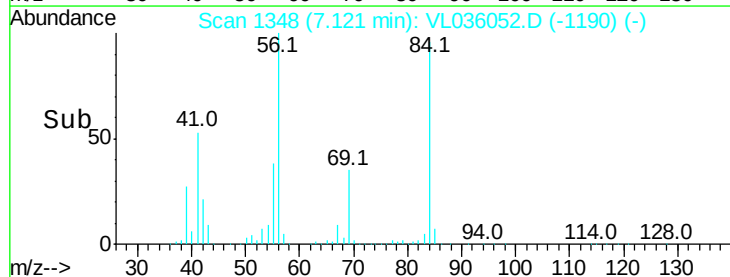
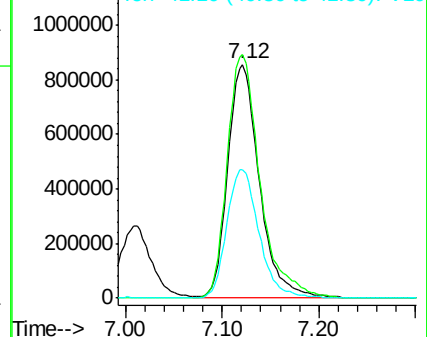
41 56.6 46.1 69.1

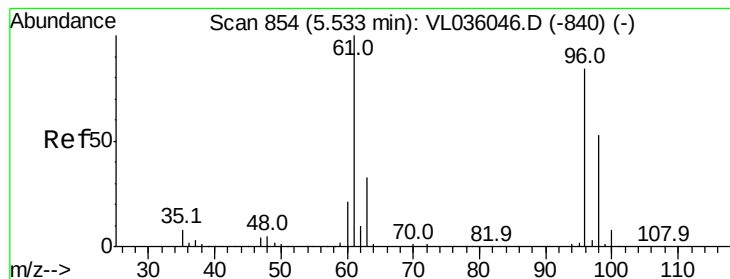


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



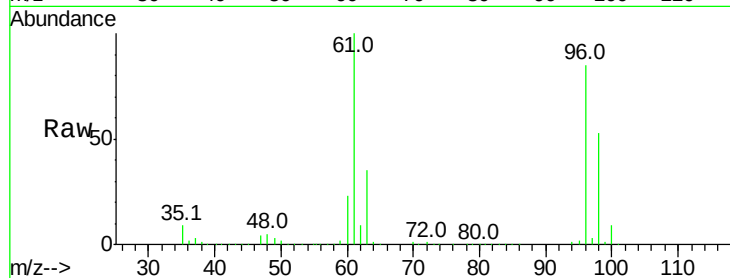


#31

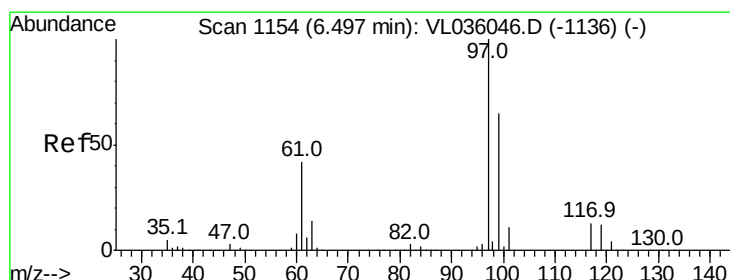
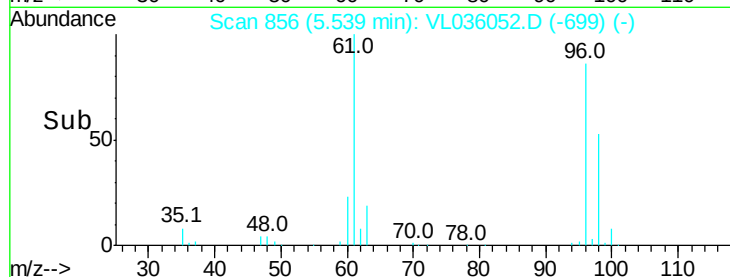
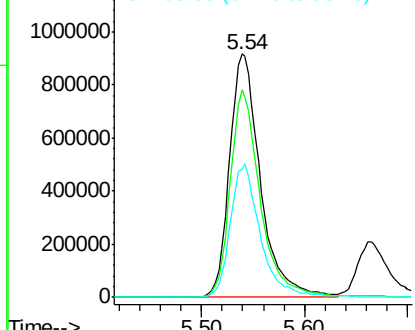
cis-1,2-Dichloroethene
 Concen: 13.879 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 61 Resp: 1918155
 Ion Ratio Lower Upper
 61 100
 96 85.2 66.8 100.2
 98 52.8 42.6 63.8



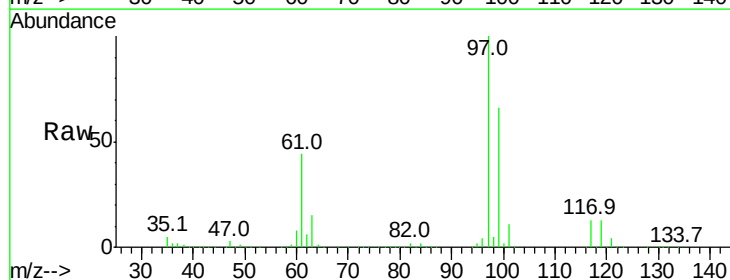
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



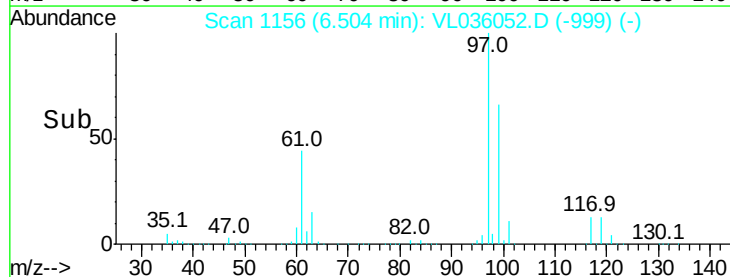
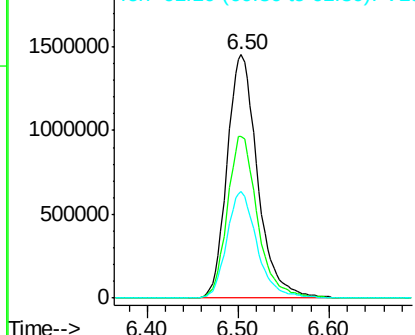
#32

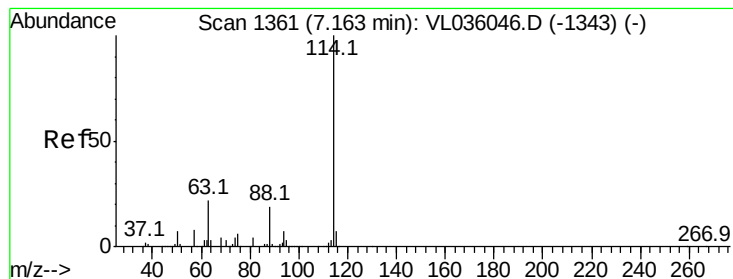
1,1,1-Trichloroethane
 Concen: 12.264 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion: 97 Resp: 3379493
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.4 78.6
 61 43.6 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

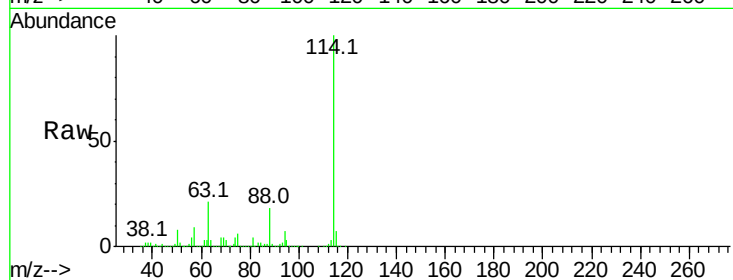
Tgt Ion:114 Resp: 4159033

Ion Ratio Lower Upper

114 100

63 21.5 17.2 25.8

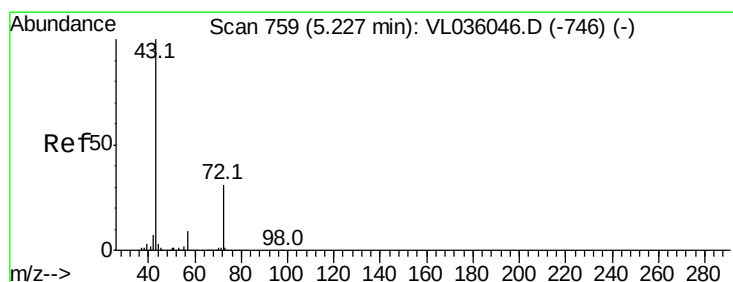
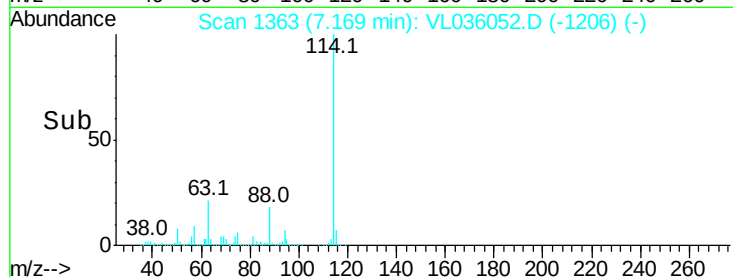
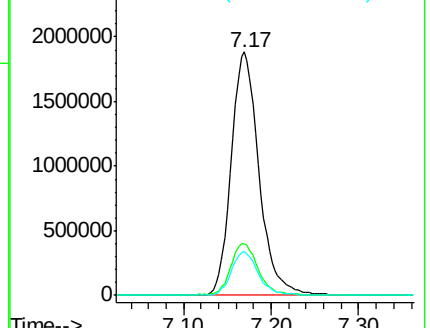
88 17.5 14.0 21.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 16.289 ppbv

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VL036052.D

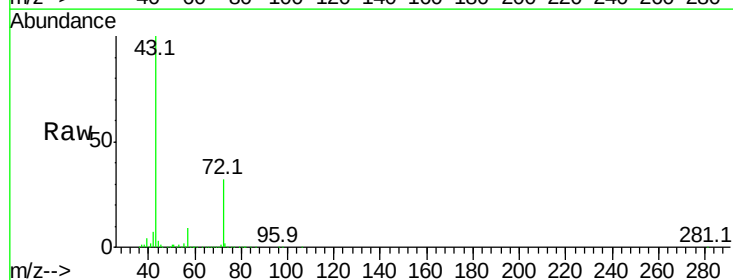
Acq: 3 Dec 2020 13:36

Tgt Ion: 43 Resp: 2198676

Ion Ratio Lower Upper

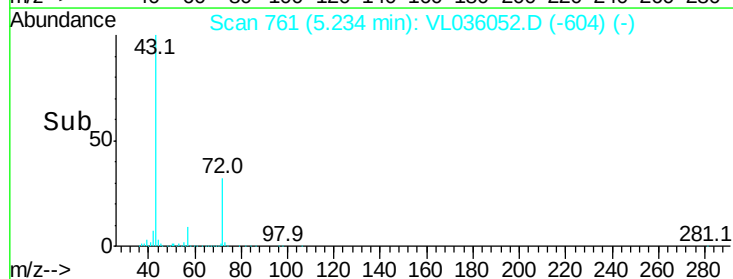
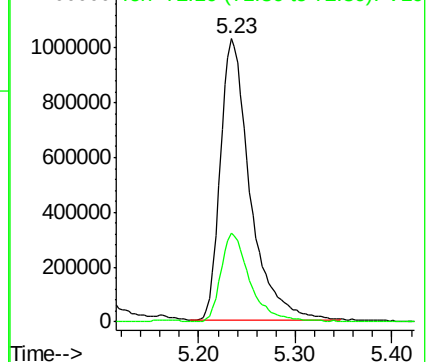
43 100

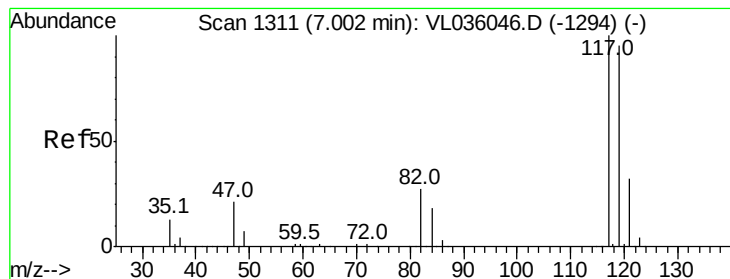
72 31.4 24.5 36.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 15.304 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

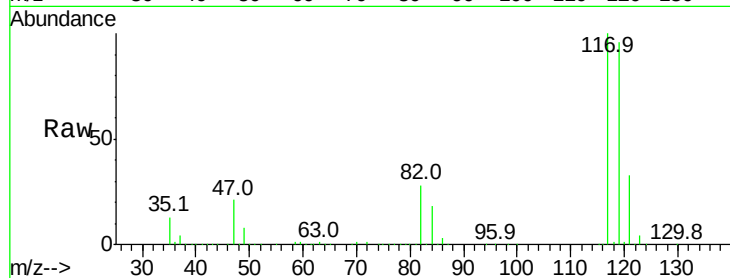
Tgt Ion:117 Resp: 3400835

Ion Ratio Lower Upper

117 100

119 96.4 75.9 113.9

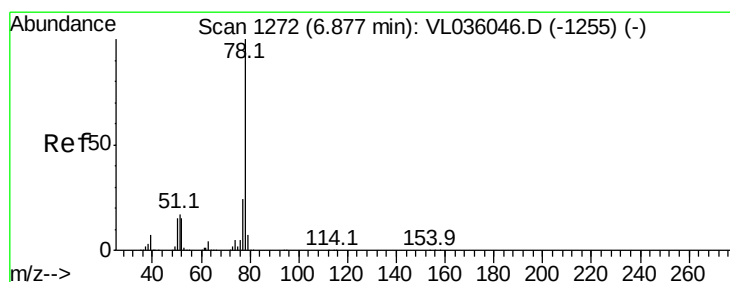
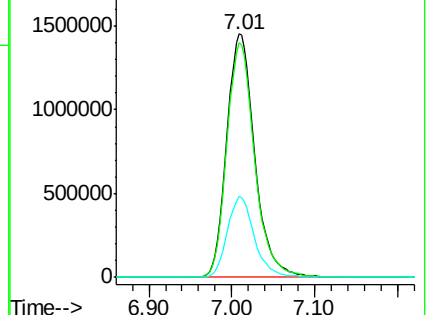
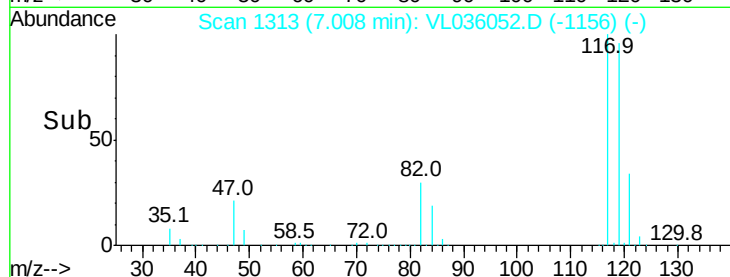
121 33.4 25.8 38.8



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: 14.315 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

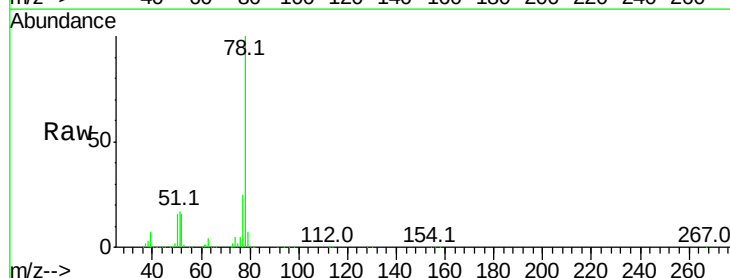
Tgt Ion: 78 Resp: 4426271

Ion Ratio Lower Upper

78 100

77 24.6 19.1 28.7

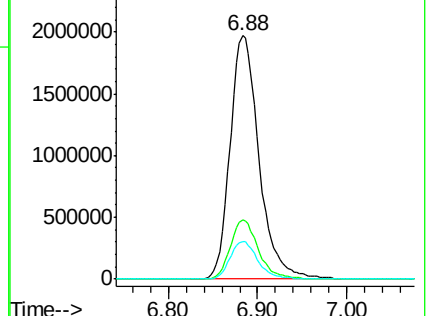
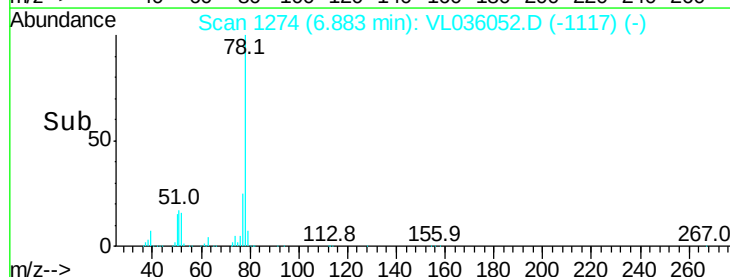
50 15.5 12.0 18.0

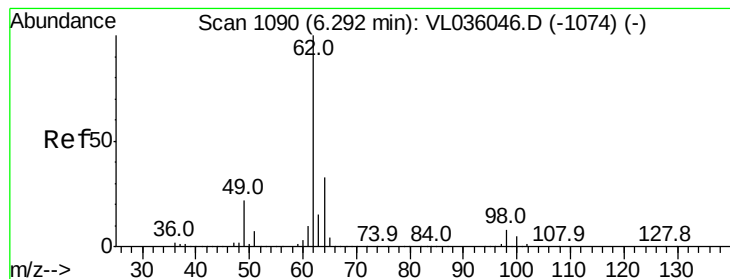


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 15.964 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

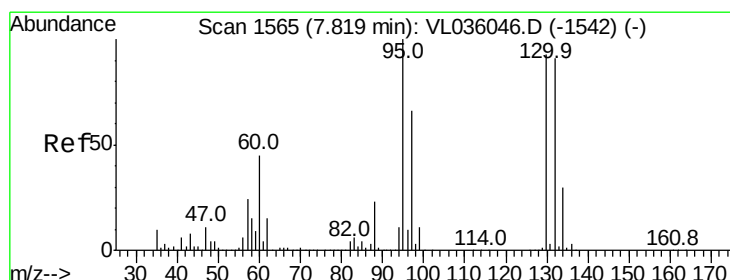
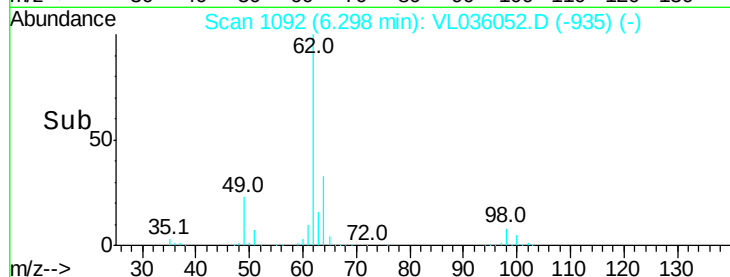
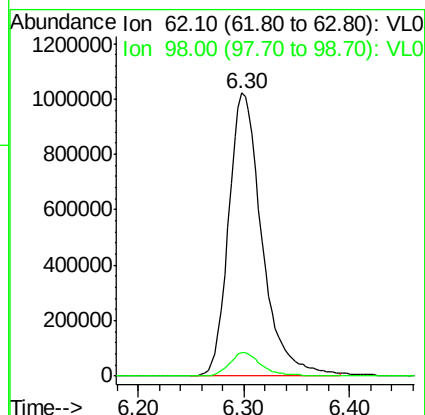
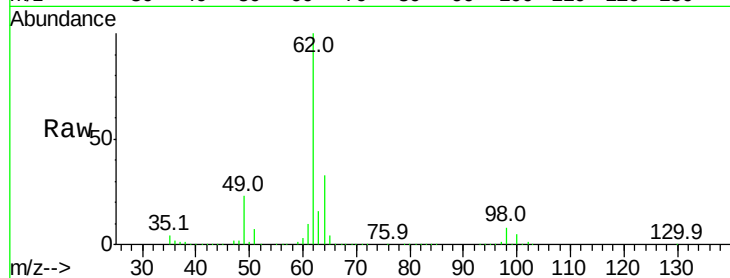
VSTDIC015

Tgt Ion: 62 Resp: 2236210

Ion Ratio Lower Upper

62 100

98 8.2 6.4 9.6



#38

Trichloroethene

Concen: 13.647 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Tgt Ion: 130 Resp: 2061051

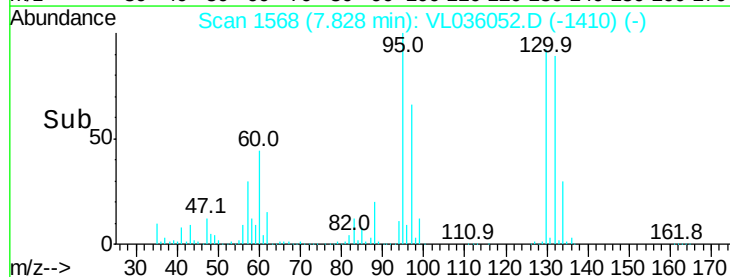
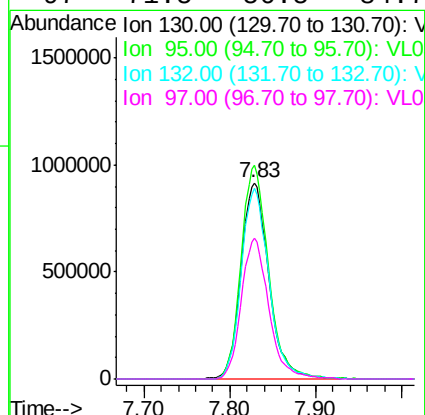
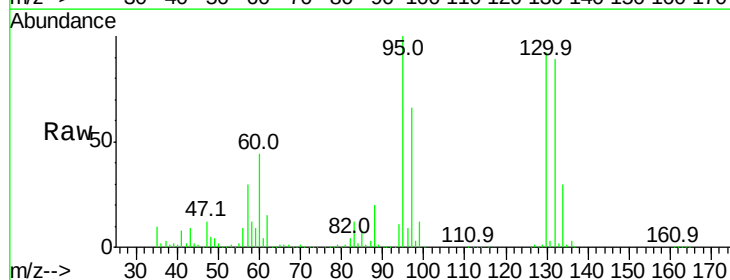
Ion Ratio Lower Upper

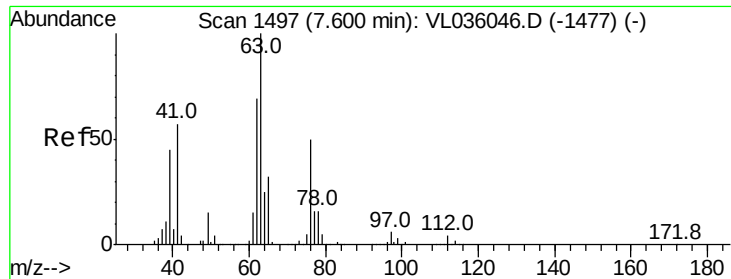
130 100

95 108.9 86.1 129.1

132 97.1 78.6 118.0

97 71.5 56.5 84.7





#39

1,2-Dichloropropane

Concen: 15.512 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

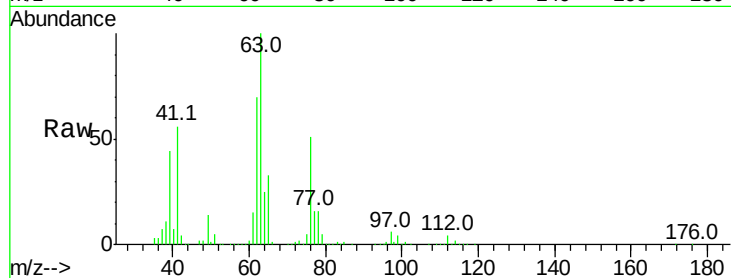
Tgt Ion: 63 Resp: 1614724

Ion Ratio Lower Upper

63 100

41 56.0 45.4 68.0

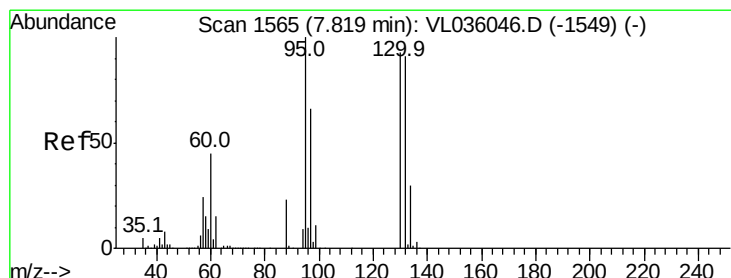
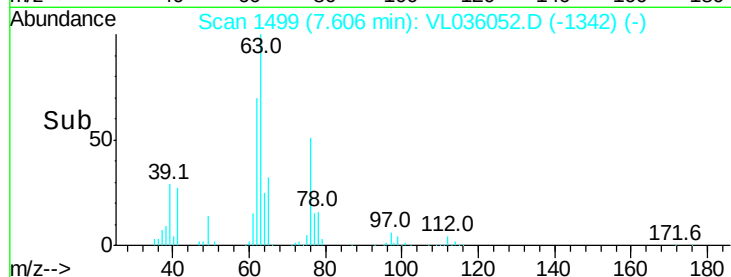
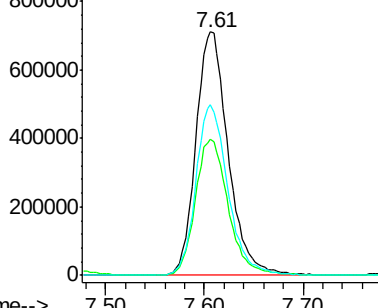
62 70.1 55.3 82.9



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: 11.083 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Tgt Ion: 88 Resp: 546788

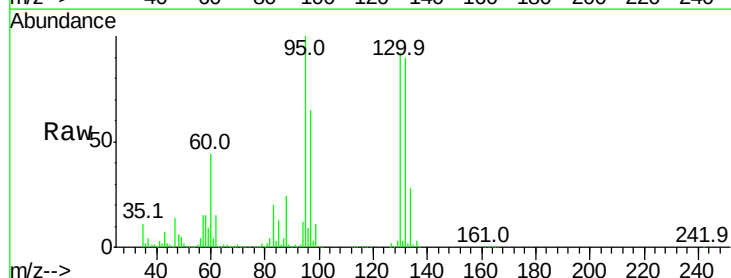
Ion Ratio Lower Upper

88 100

58 116.7 91.0 136.6

43 215.2 163.3 244.9

57 1126.1 865.6 1298.4

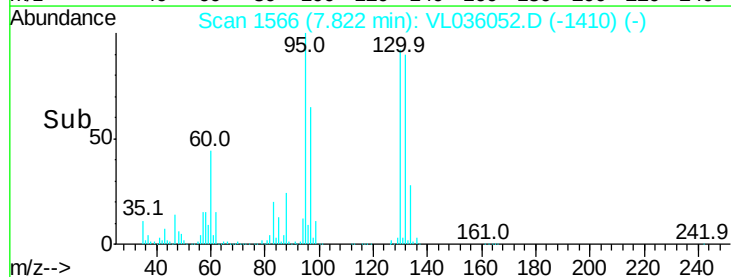
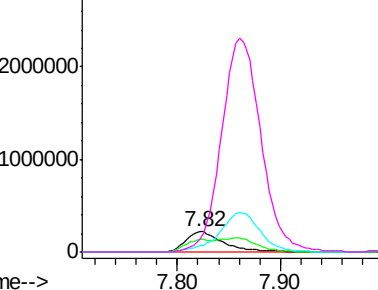


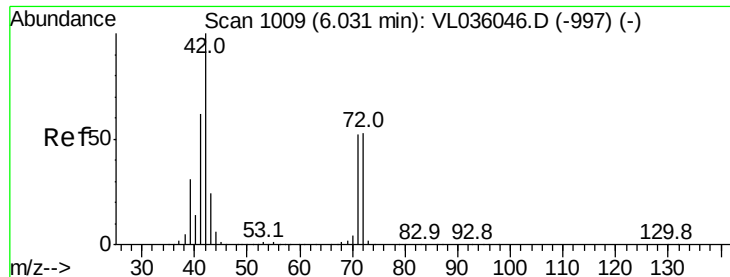
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 16.705 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

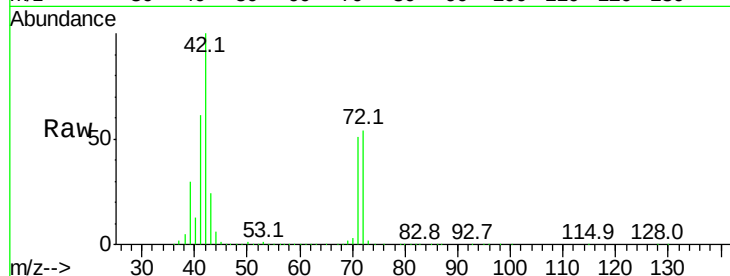
Tgt Ion: 42 Resp: 1281050

Ion Ratio Lower Upper

42 100

72 54.1 42.7 64.1

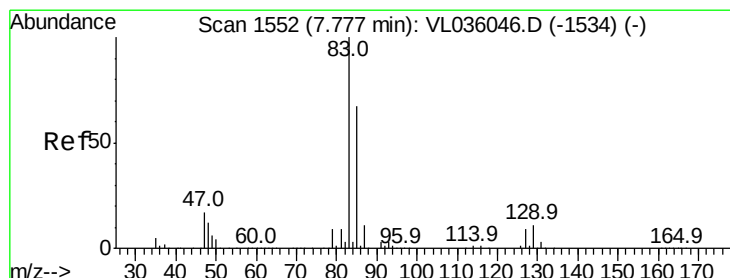
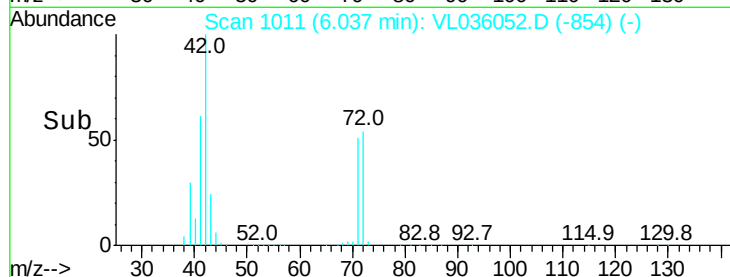
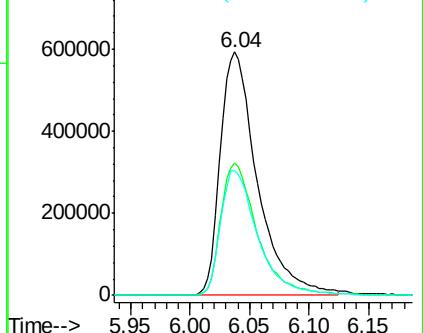
71 52.0 41.0 61.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 15.936 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

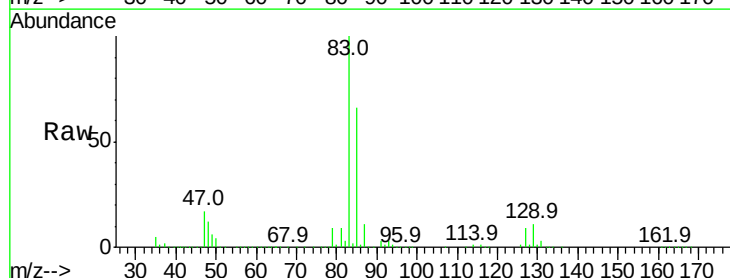
Tgt Ion: 83 Resp: 3766497

Ion Ratio Lower Upper

83 100

85 65.8 53.7 80.5

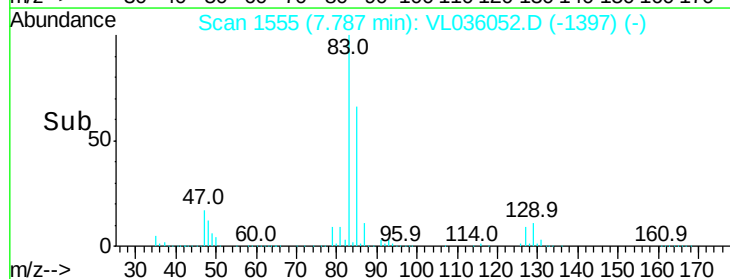
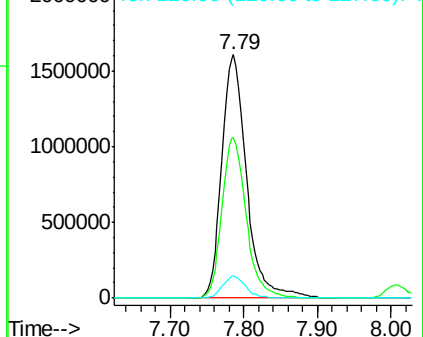
127 9.0 7.0 10.6

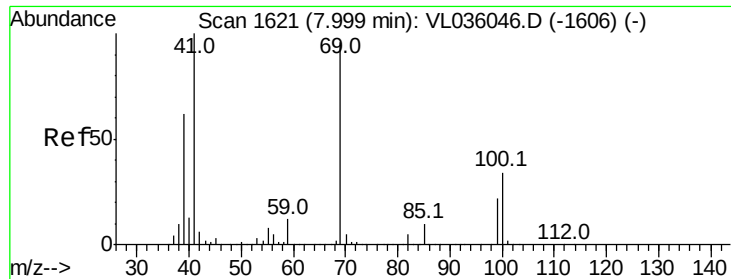


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

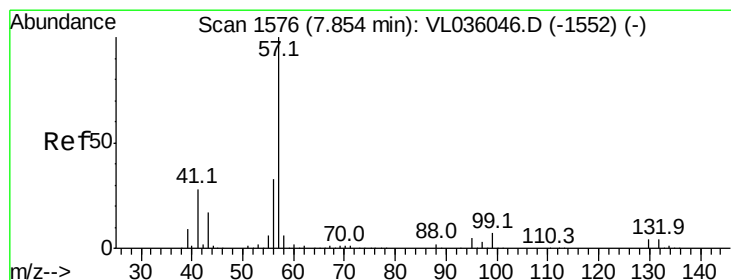
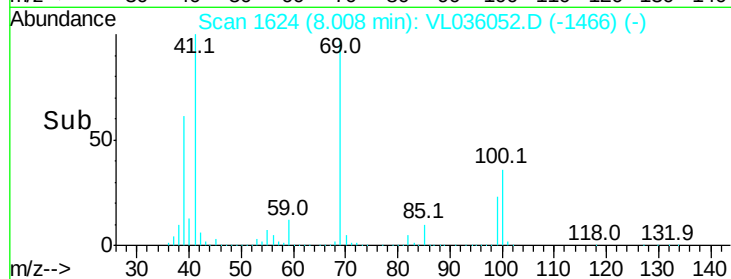
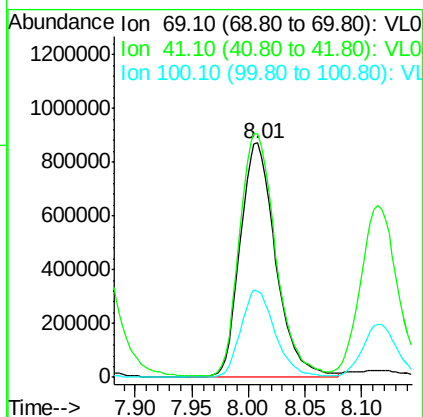
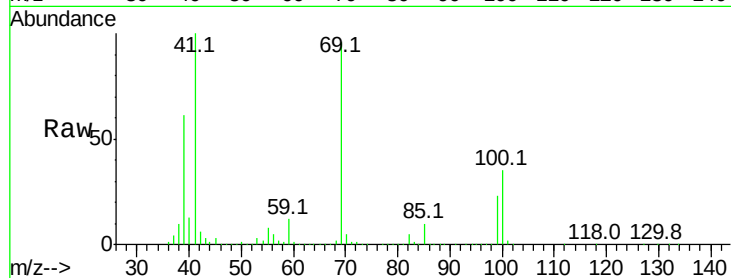




#43
Methyl Methacrylate
Concen: 16.169 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

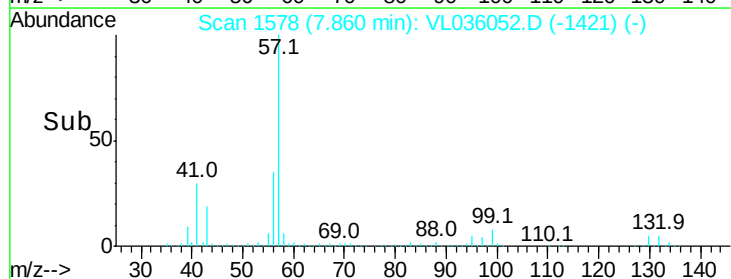
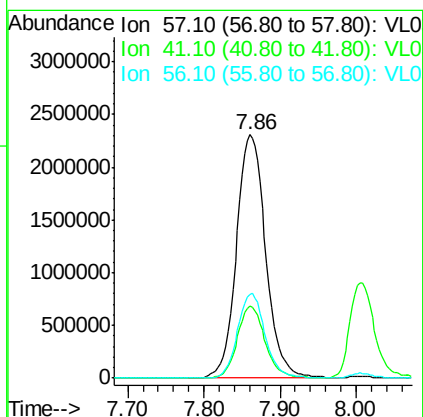
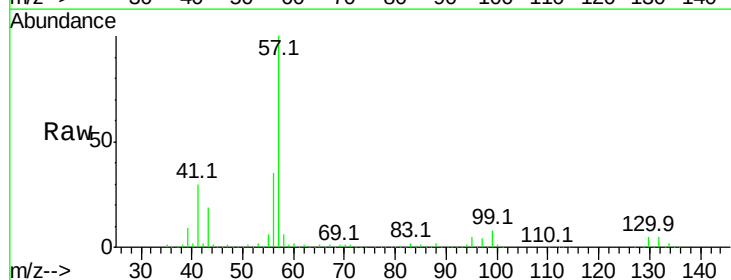
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

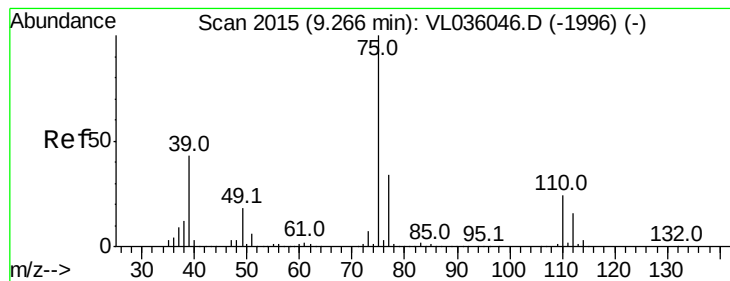
Tgt Ion: 69 Resp: 1906902
Ion Ratio Lower Upper
69 100
41 106.1 86.5 129.7
100 36.2 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 15.050 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

Tgt Ion: 57 Resp: 6157788
Ion Ratio Lower Upper
57 100
41 28.1 21.9 32.9
56 32.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 16.324 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

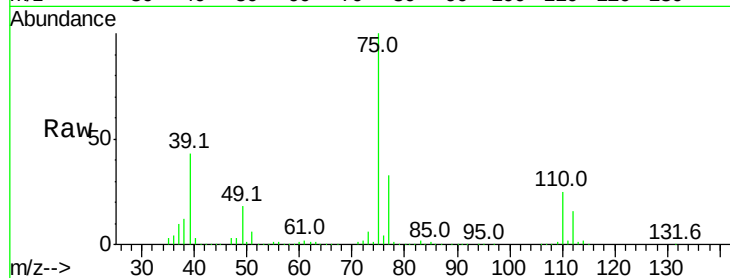
VSTDIC015

Tgt Ion: 75 Resp: 2040851

Ion Ratio Lower Upper

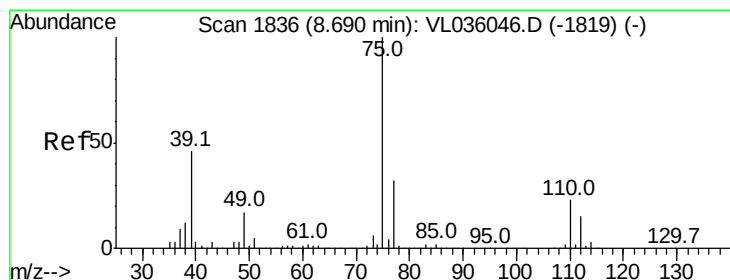
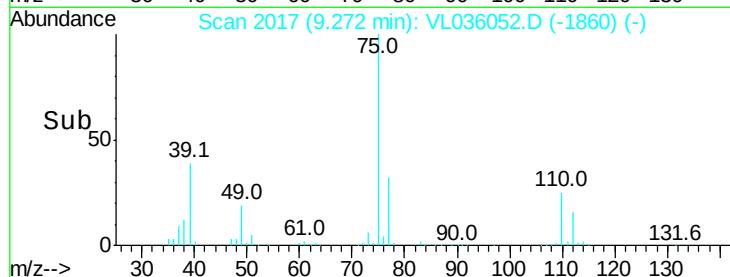
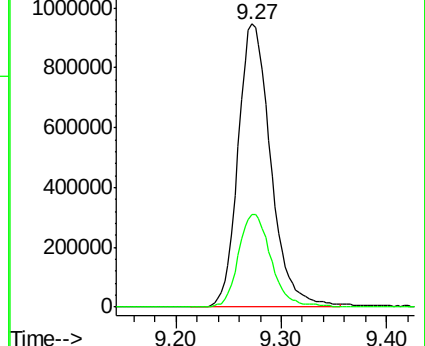
75 100

77 32.6 26.8 40.2



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: 15.824 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

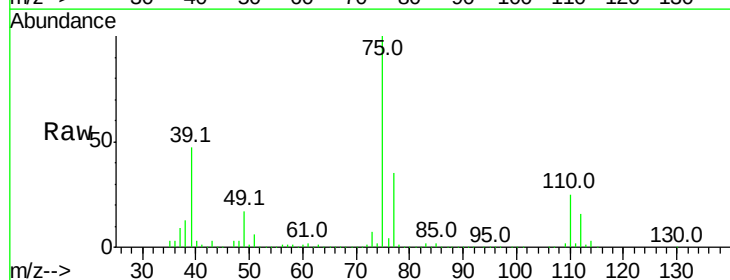
Tgt Ion: 75 Resp: 2505539

Ion Ratio Lower Upper

75 100

39 46.8 37.0 55.4

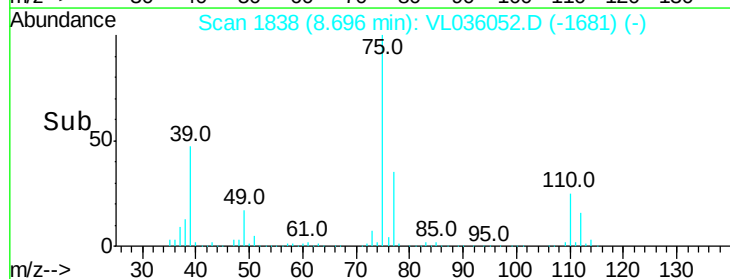
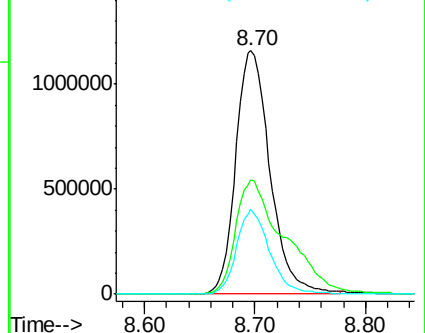
77 34.9 25.5 38.3

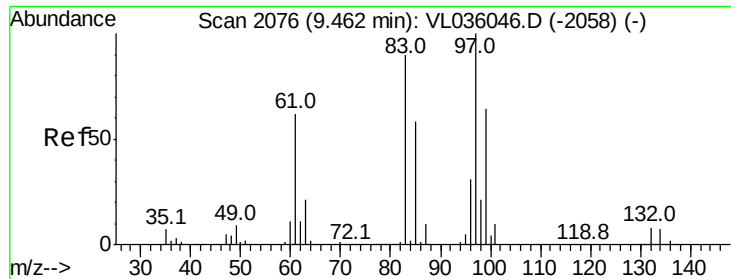


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



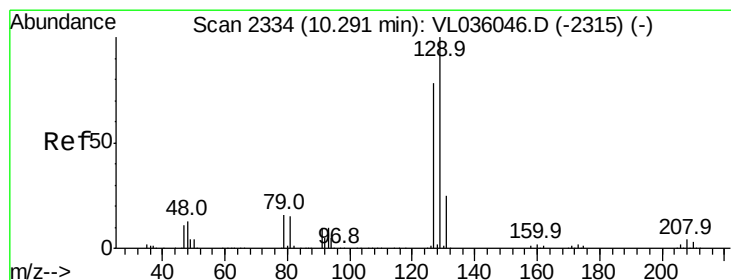
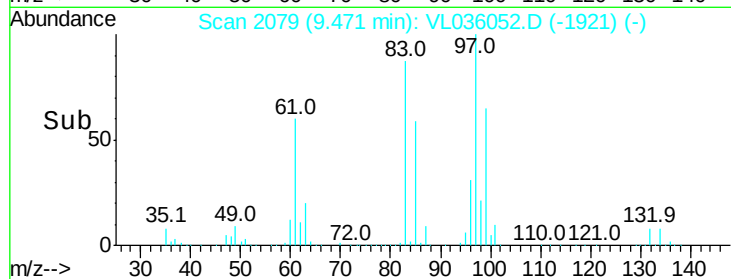
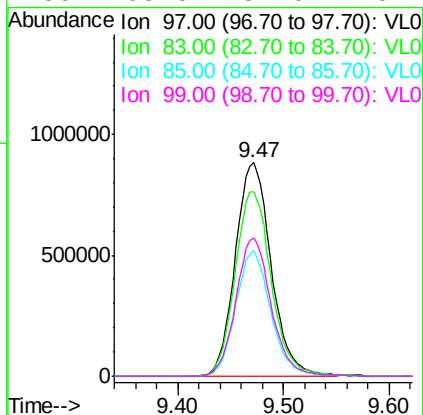
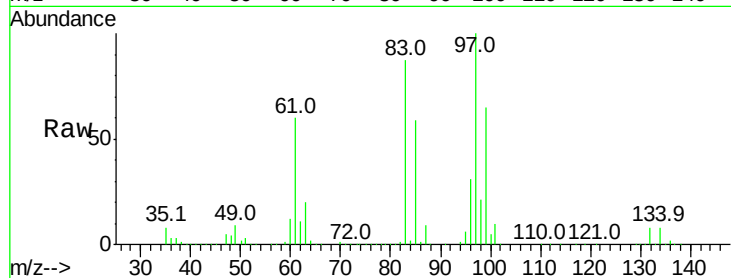


#47
 1,1,2-Trichloroethane
 Concen: 14.699 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 97 Resp: 2084950

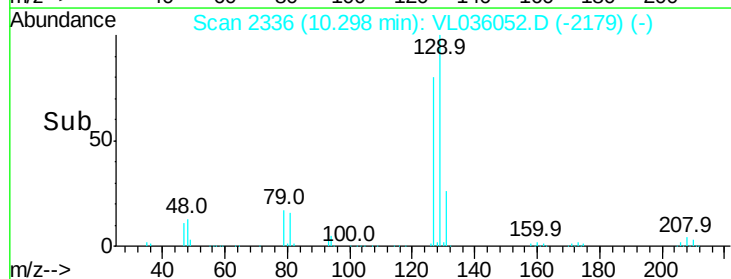
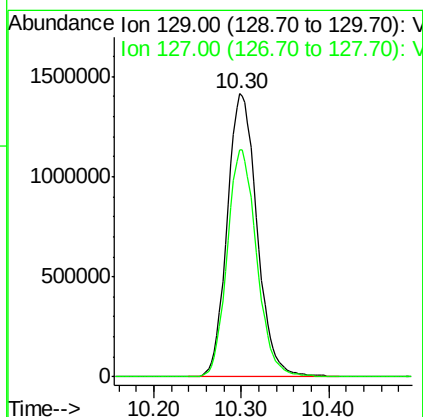
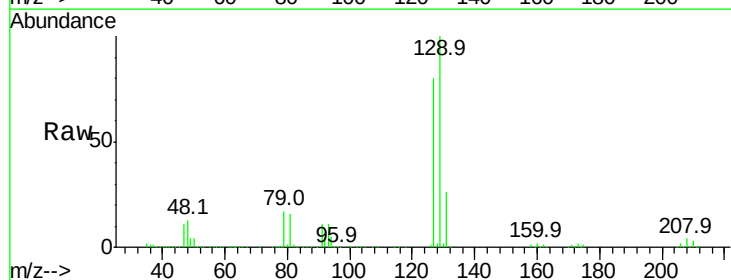
Ion	Ratio	Lower	Upper
97	100		
83	86.5	72.1	108.1
85	58.7	46.6	69.8
99	65.0	51.0	76.4

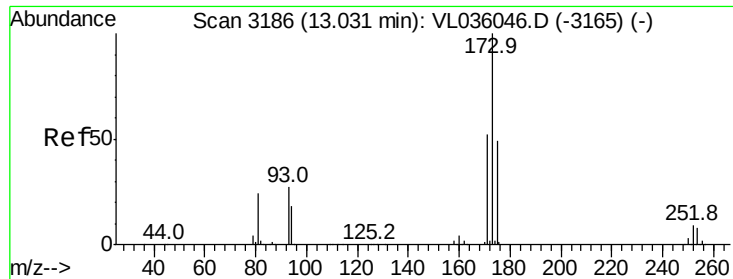


#48
 Dibromochloromethane
 Concen: 15.484 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion: 129 Resp: 3355329

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.4	118.2





#49

Bromoform

Concen: 14.761 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

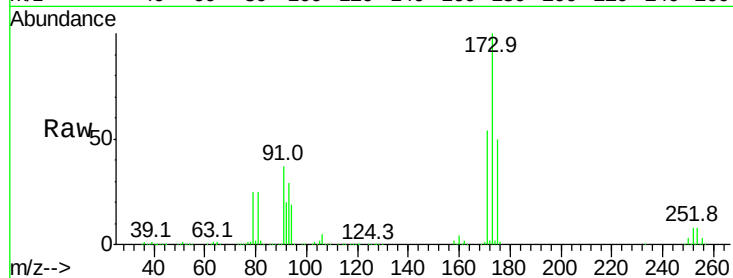
Tgt Ion:173 Resp: 2699061

Ion Ratio Lower Upper

173 100

175 50.0 39.5 59.3

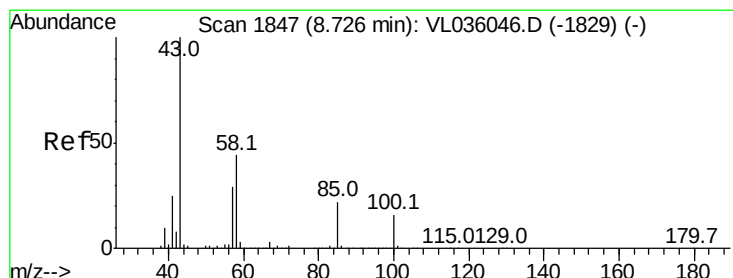
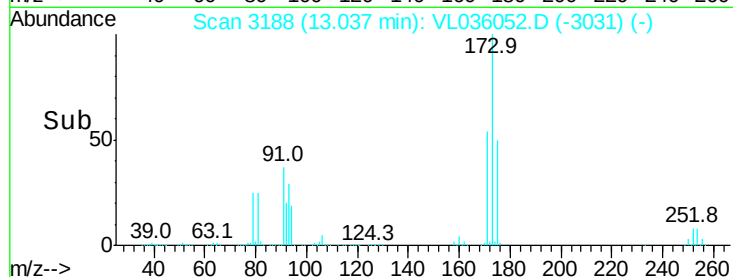
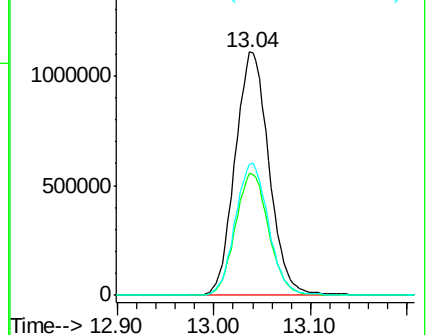
171 53.8 42.6 63.8



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: 17.037 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL036052.D

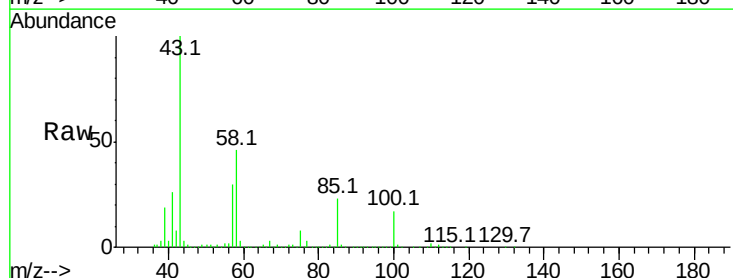
Acq: 3 Dec 2020 13:36

Tgt Ion: 43 Resp: 3516294

Ion Ratio Lower Upper

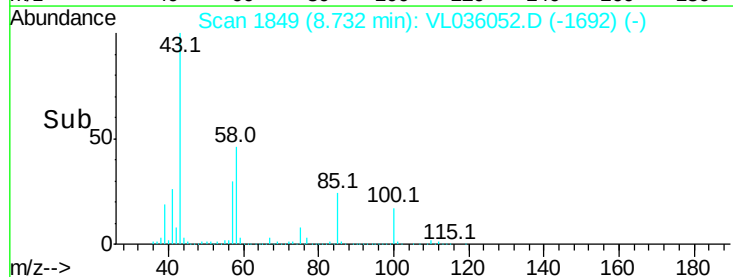
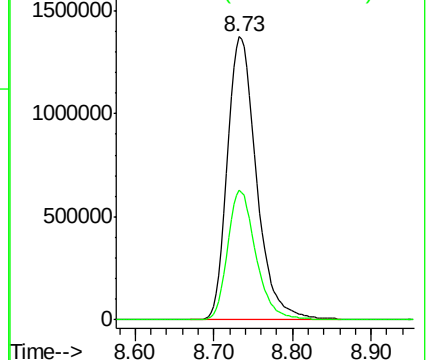
43 100

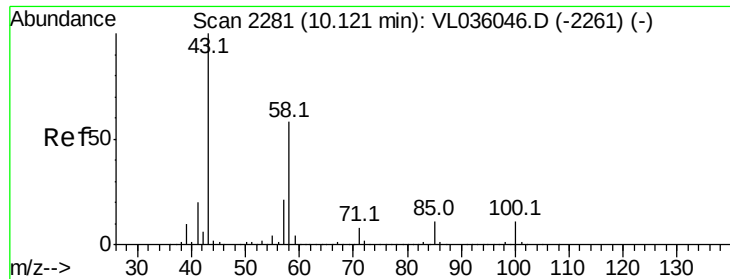
58 44.5 34.7 52.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

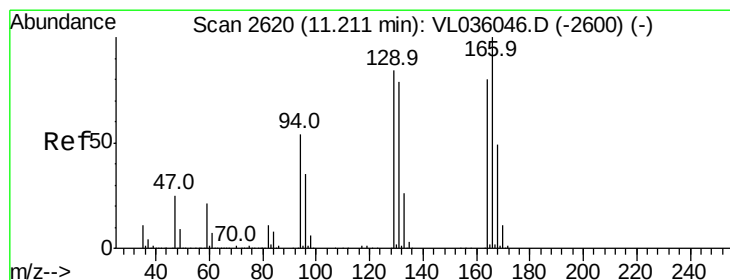
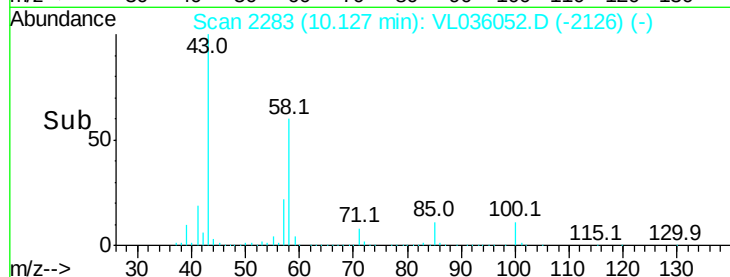
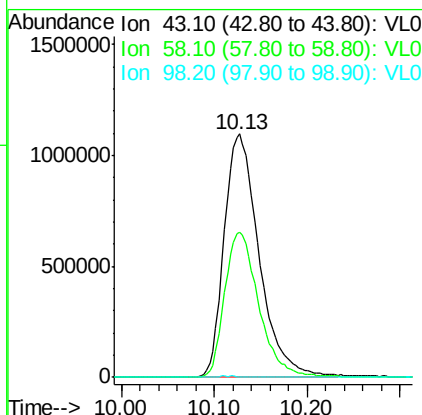
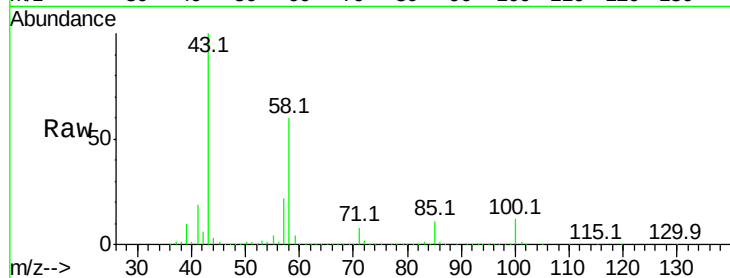




#51
2-Hexanone
Concen: 17.335 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

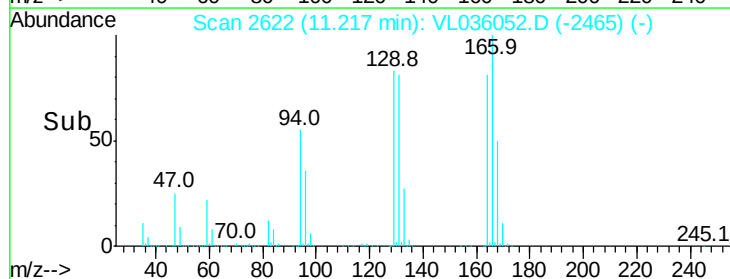
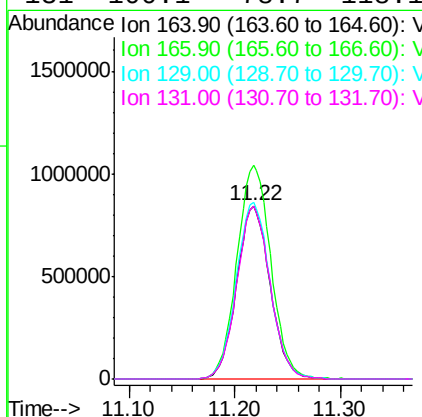
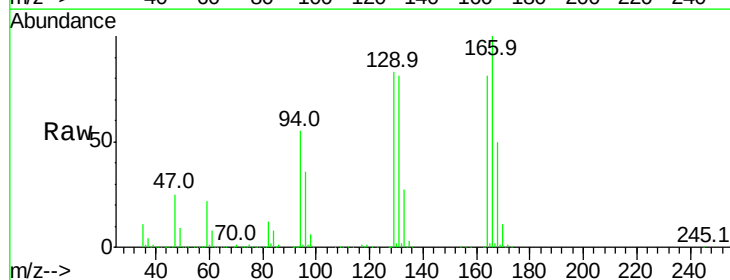
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

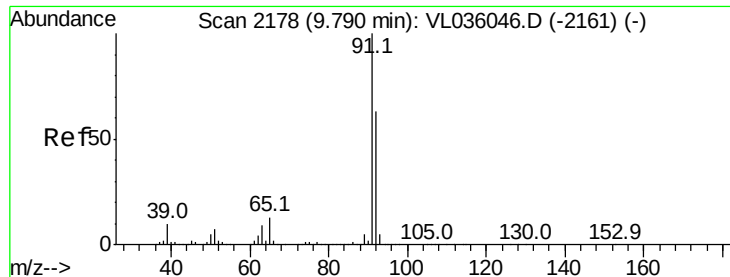
Tgt Ion: 43 Resp: 2874093
Ion Ratio Lower Upper
43 100
58 58.4 45.7 68.5
98 0.8 0.8 1.2#



#52
Tetrachloroethene
Concen: 12.671 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.01 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

Tgt Ion: 164 Resp: 1856109
Ion Ratio Lower Upper
164 100
166 123.4 100.2 150.2
129 101.9 83.7 125.5
131 100.1 78.7 118.1





#53

Toluene

Concen: 14.353 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

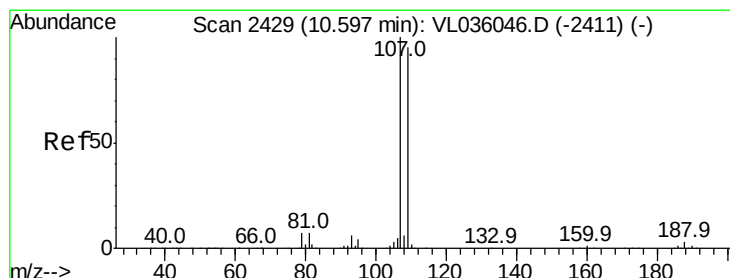
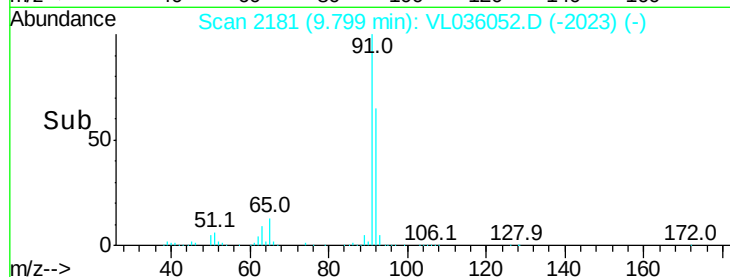
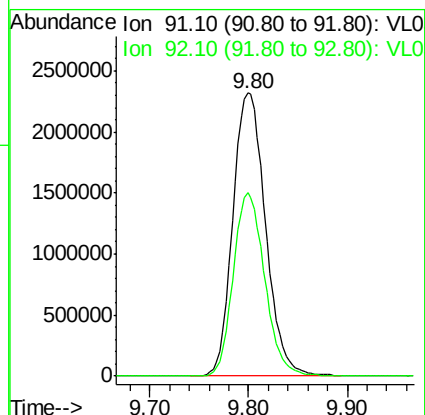
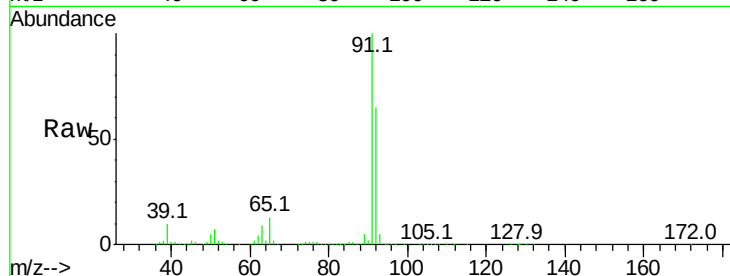
VSTDIC015

Tgt Ion: 91 Resp: 5354885

Ion Ratio Lower Upper

91 100

92 62.5 49.3 73.9



#54

1,2-Dibromoethane

Concen: 14.556 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.01 min

Lab File: VL036052.D

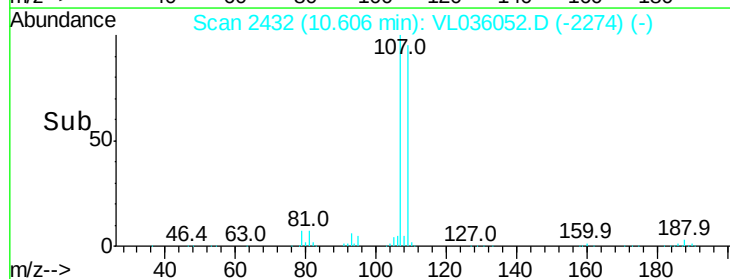
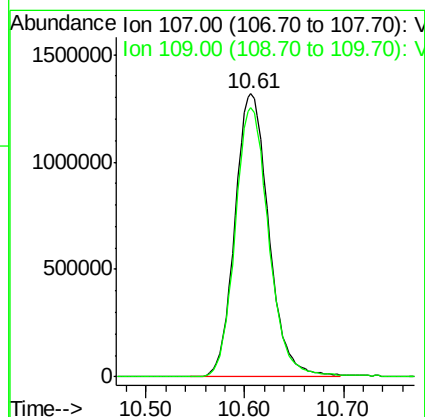
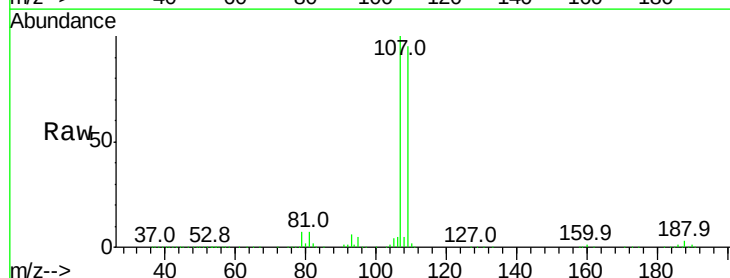
Acq: 3 Dec 2020 13:36

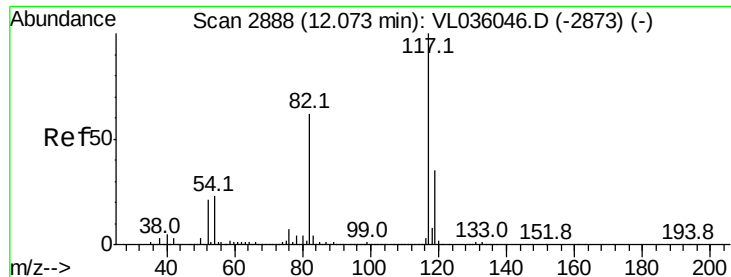
Tgt Ion: 107 Resp: 3139950

Ion Ratio Lower Upper

107 100

109 95.3 75.7 113.5

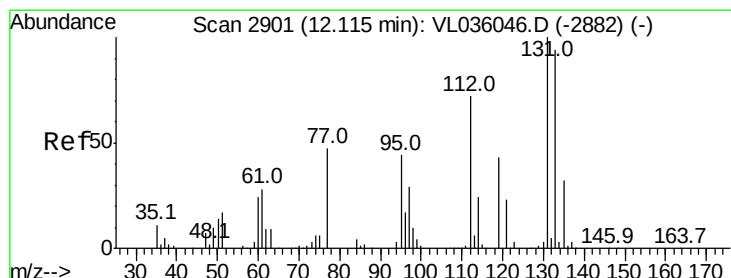
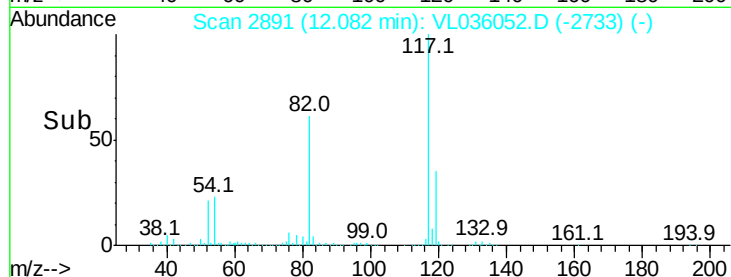
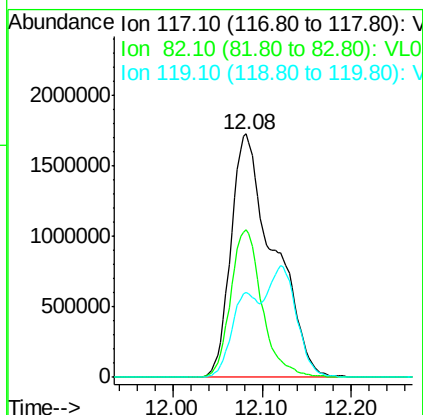
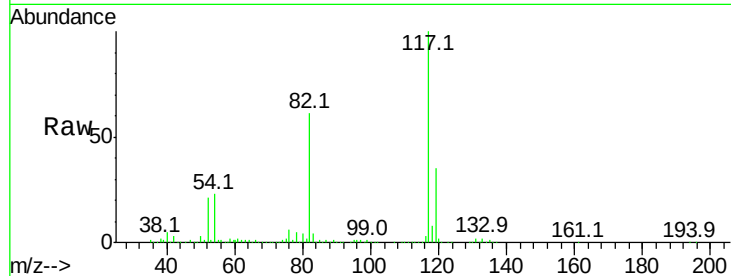




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

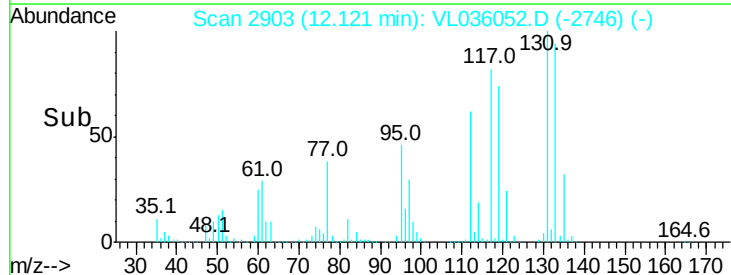
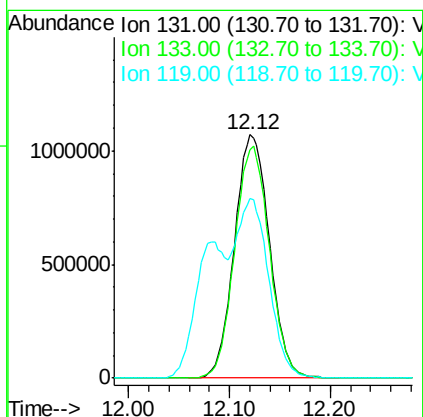
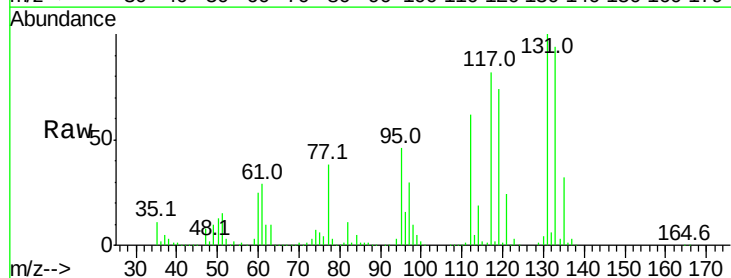
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

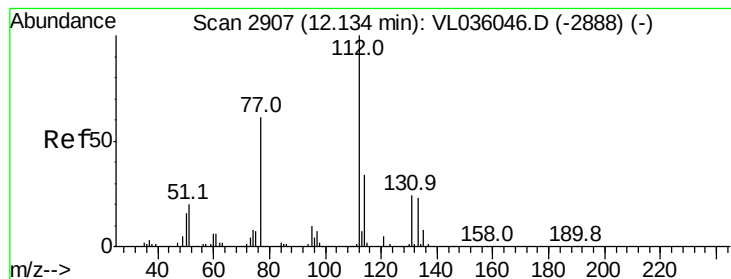
Tgt Ion:117 Resp: 5767963
Ion Ratio Lower Upper
117 100
82 44.4 49.9 74.9#
119 54.2 28.7 43.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.961 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL036052.D
Acq: 3 Dec 2020 13:36

Tgt Ion:131 Resp: 2578777
Ion Ratio Lower Upper
131 100
133 94.9 76.1 114.1
119 121.2 49.5 74.3#





#57

Chlorobenzene

Concen: 9.347 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

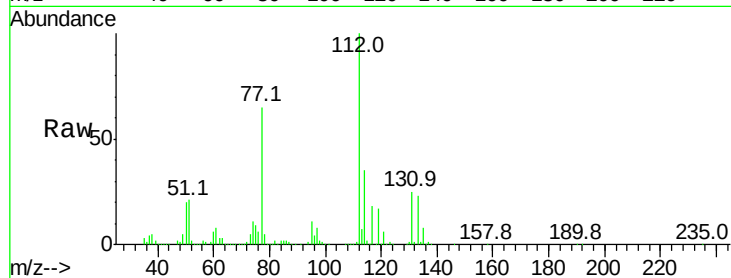
Tgt Ion: 112 Resp: 4286851

Ion Ratio Lower Upper

112 100

77 64.9 49.3 73.9

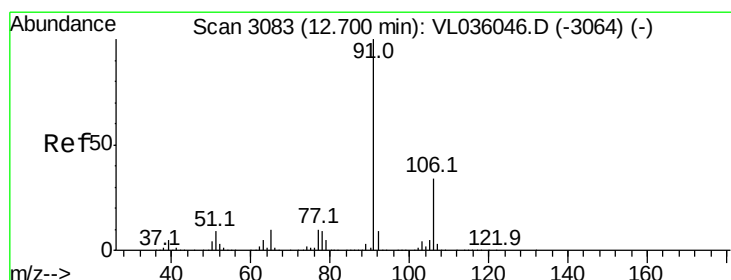
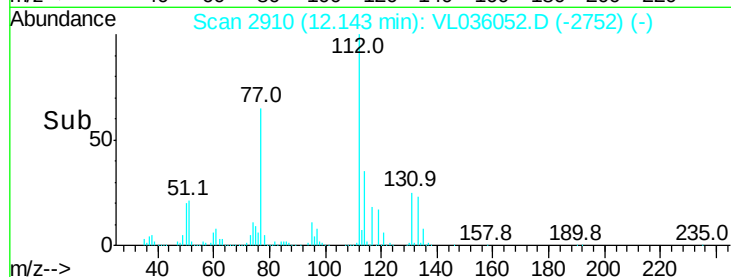
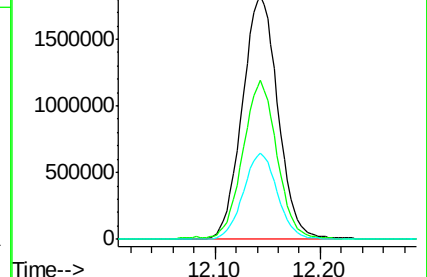
114 35.1 30.2 36.9



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: 9.641 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.01 min

Lab File: VL036052.D

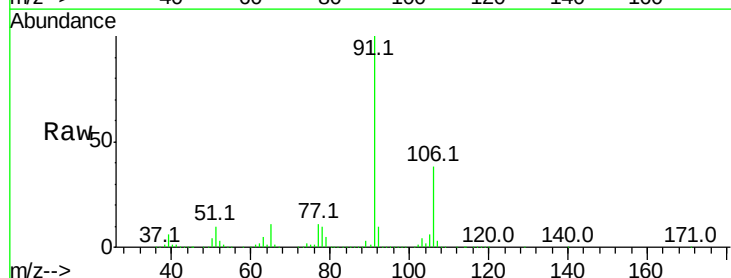
Acq: 3 Dec 2020 13:36

Tgt Ion: 91 Resp: 6773064

Ion Ratio Lower Upper

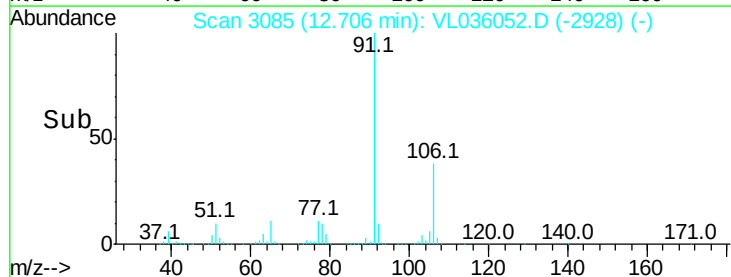
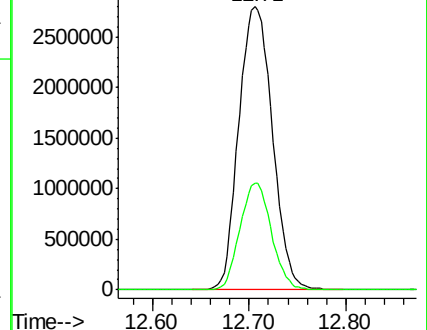
91 100

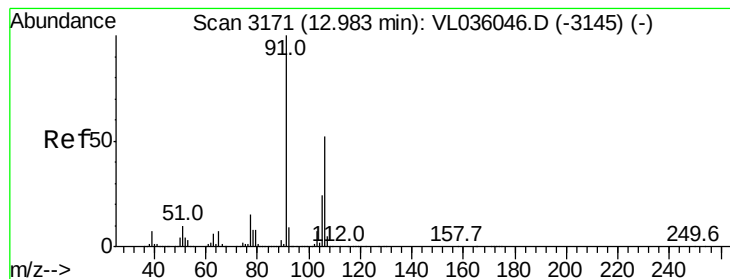
106 37.6 27.4 41.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.186 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

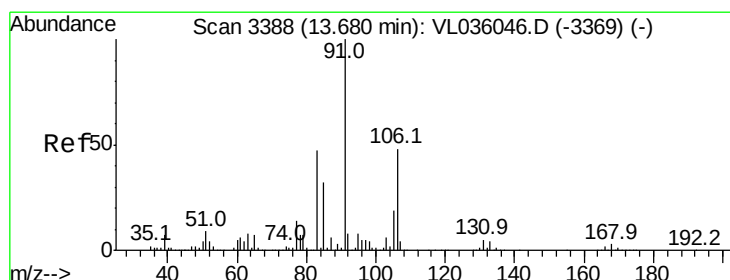
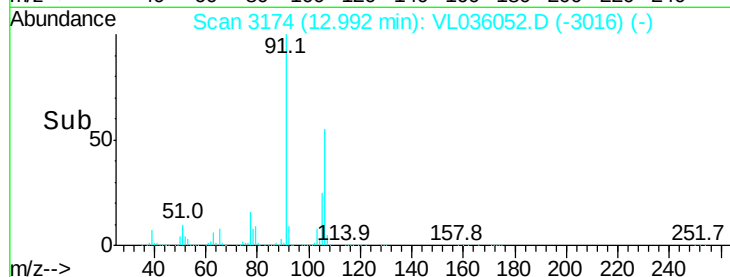
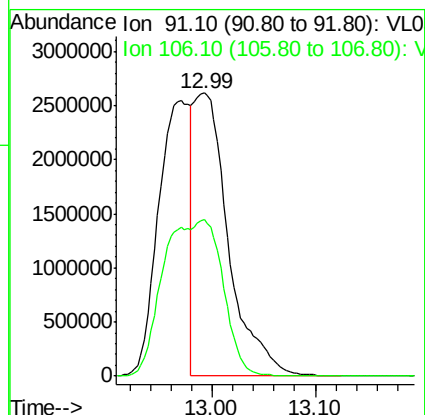
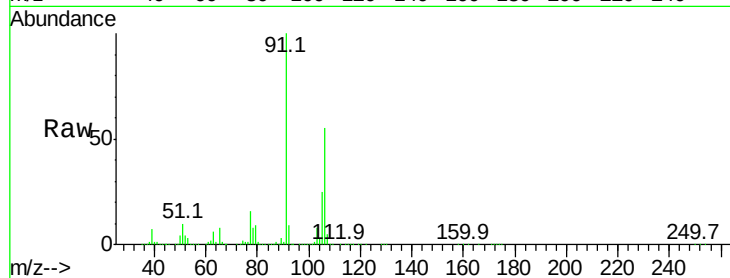
VSTDIC015

Tgt Ion: 91 Resp: 6054060

Ion Ratio Lower Upper

91 100

106 95.7 38.7 58.1#



#60

o-Xylene

Concen: 9.887 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VL036052.D

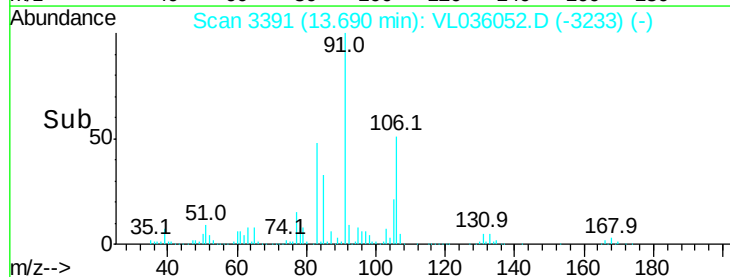
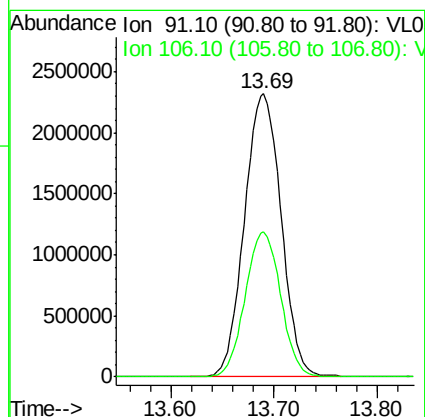
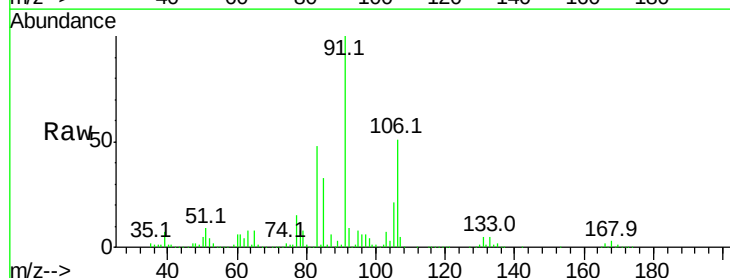
Acq: 3 Dec 2020 13:36

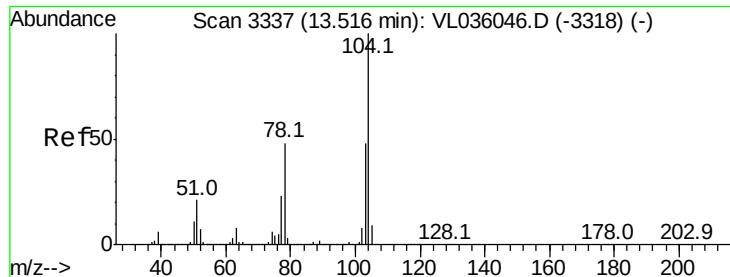
Tgt Ion: 91 Resp: 5716270

Ion Ratio Lower Upper

91 100

106 49.7 24.1 72.3





#61

Styrene

Concen: 9.734 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

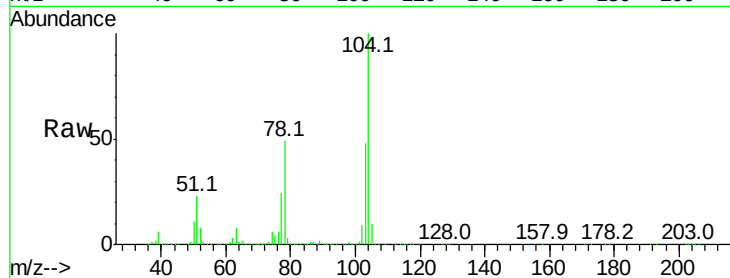
Tgt Ion:104 Resp: 4123690

Ion Ratio Lower Upper

104 100

78 48.7 38.0 57.0

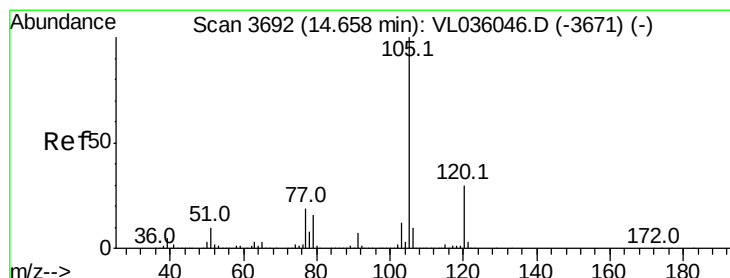
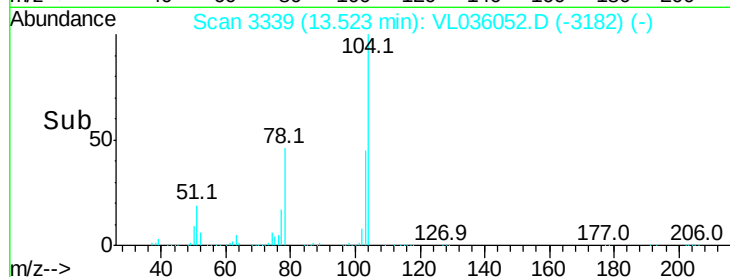
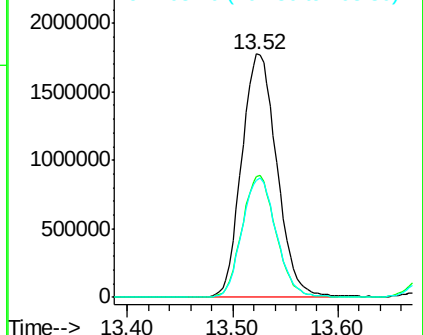
103 48.2 37.7 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.947 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.01 min

Lab File: VL036052.D

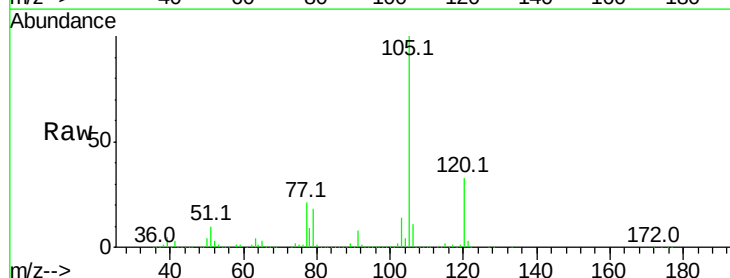
Acq: 3 Dec 2020 13:36

Tgt Ion:105 Resp: 8130946

Ion Ratio Lower Upper

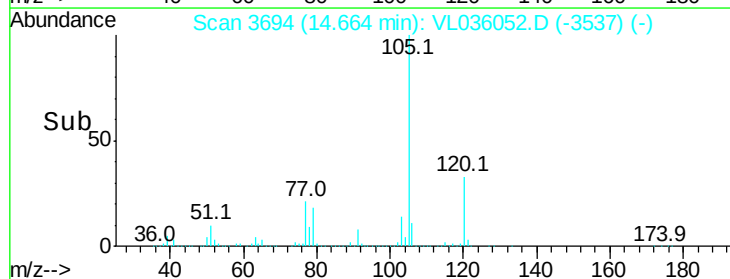
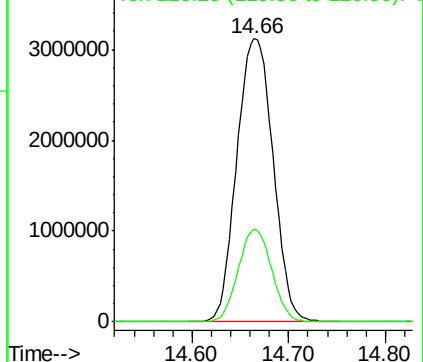
105 100

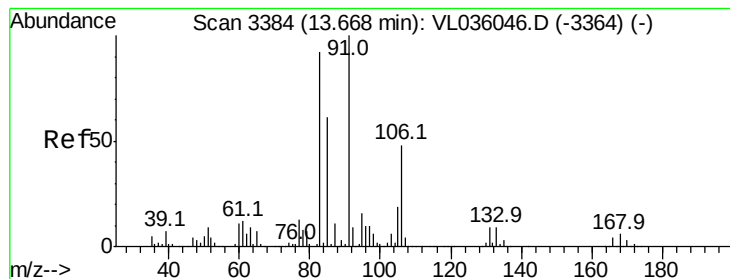
120 30.3 22.6 34.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.179 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

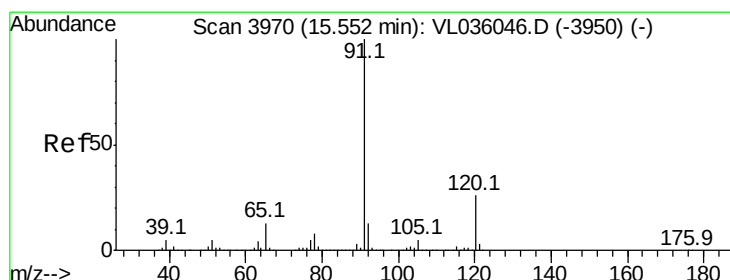
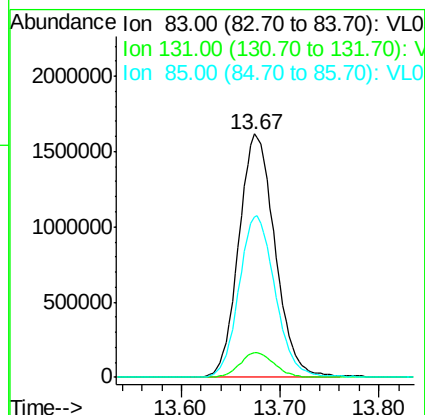
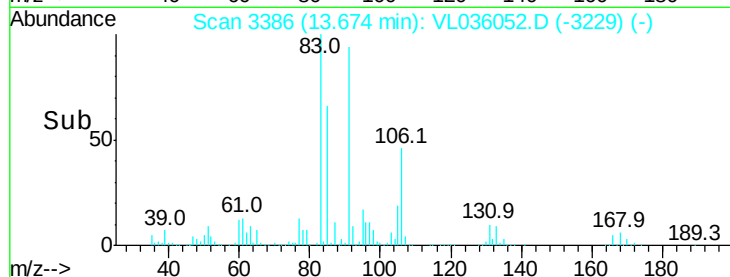
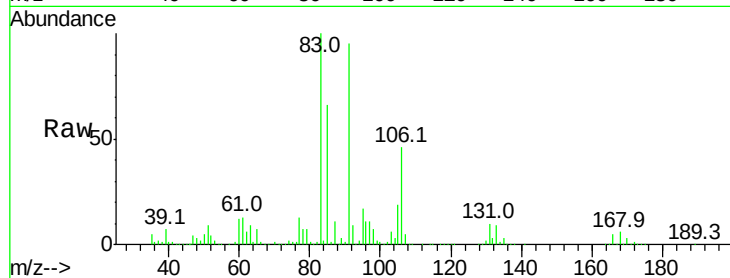
Tgt Ion: 83 Resp: 4112303

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

85 66.4 33.3 99.9



#64

n-propylbenzene

Concen: 9.320 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL036052.D

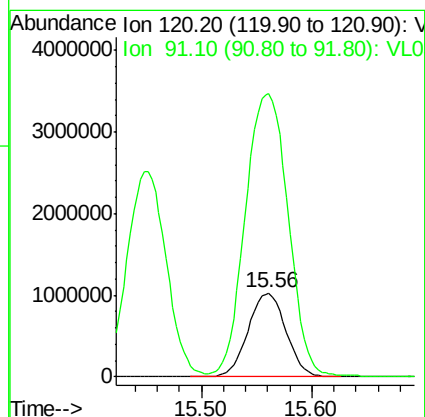
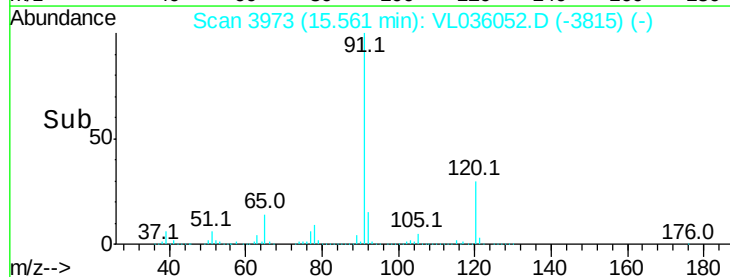
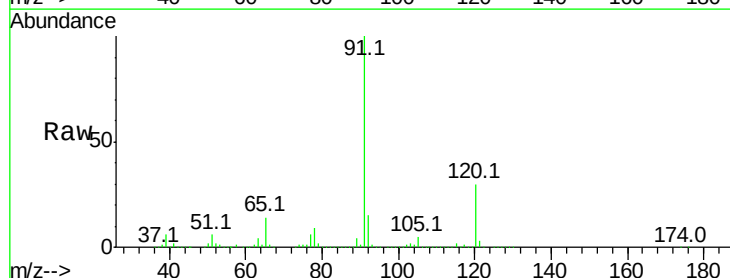
Acq: 3 Dec 2020 13:36

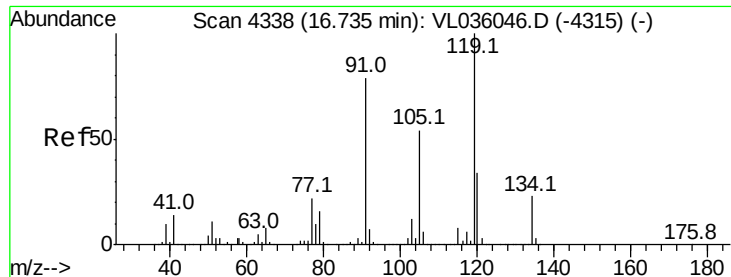
Tgt Ion: 120 Resp: 2448101

Ion Ratio Lower Upper

120 100

91 382.6 331.4 497.2

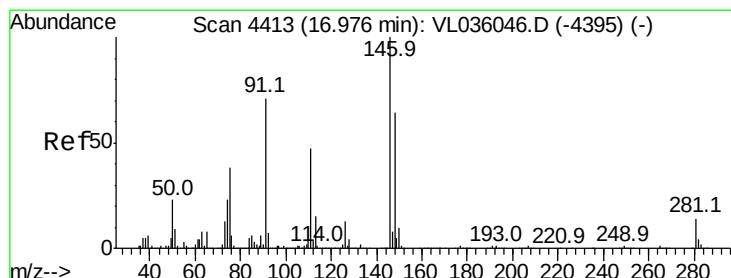
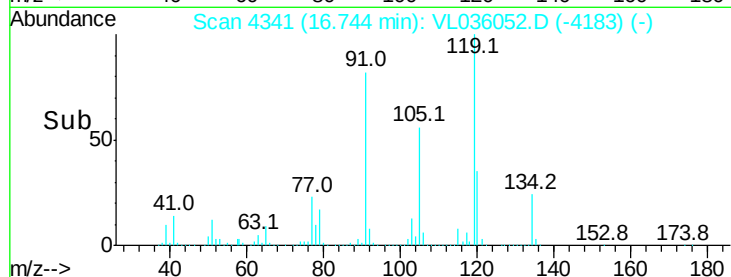
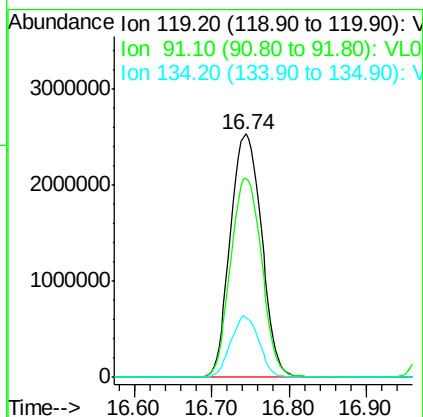
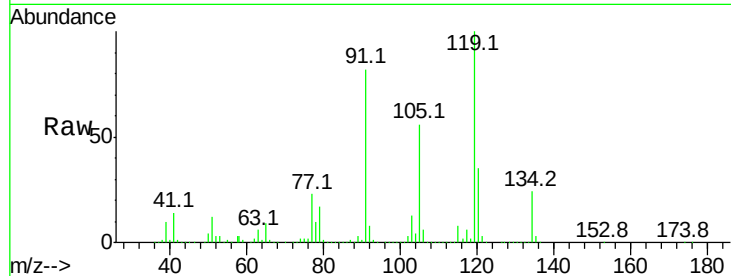




#65
 tert-Butylbenzene
 Concen: 8.607 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

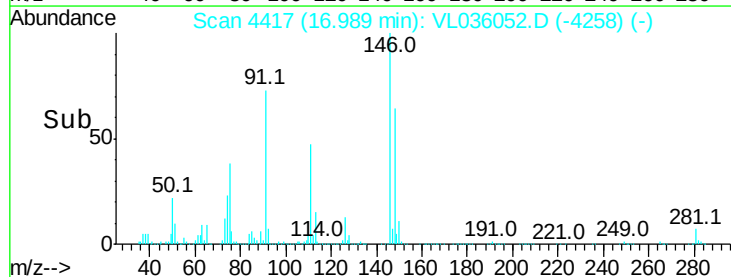
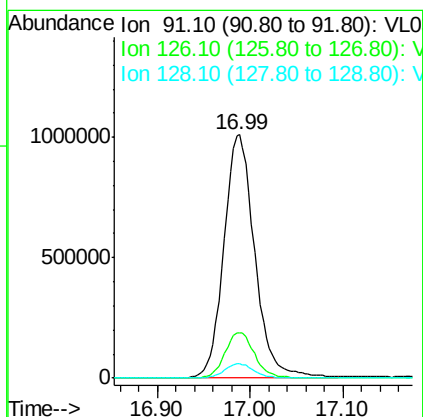
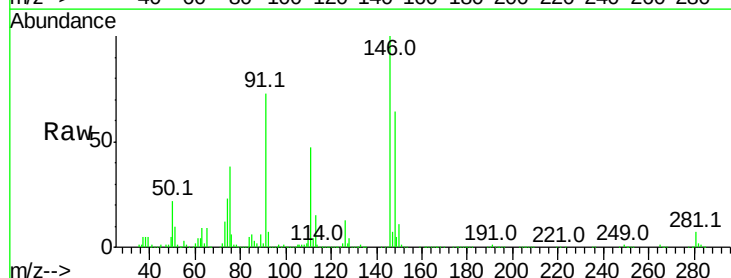
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

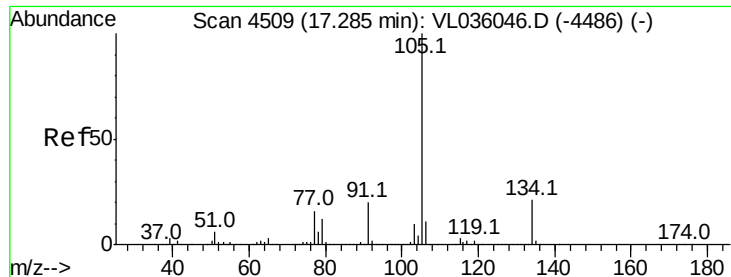
Tgt Ion: 119 Resp: 7119506
 Ion Ratio Lower Upper
 119 100
 91 81.1 63.4 95.2
 134 22.6 17.1 25.7



#66
 Benzyl Chloride
 Concen: 8.467 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion: 91 Resp: 2314951
 Ion Ratio Lower Upper
 91 100
 126 18.5 14.3 21.5
 128 5.9 4.7 7.1





#67

sec-Butylbenzene

Concen: 8.374 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

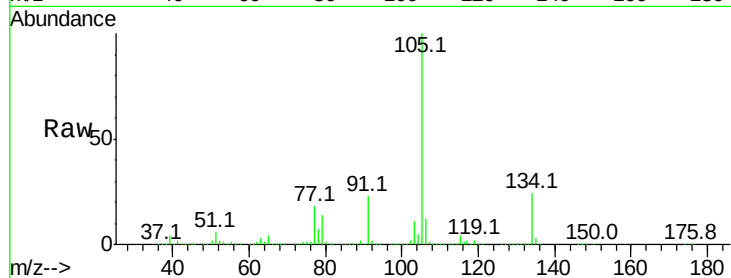
VSTDIC015

Tgt Ion: 105 Resp: 9334212

Ion Ratio Lower Upper

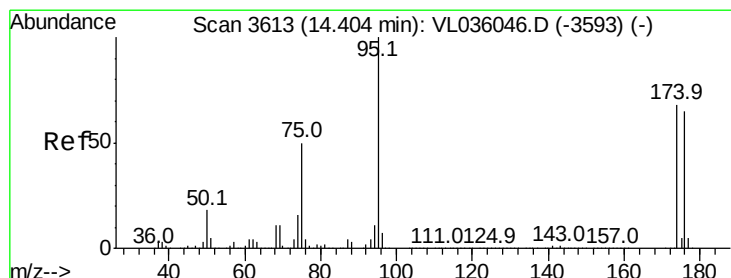
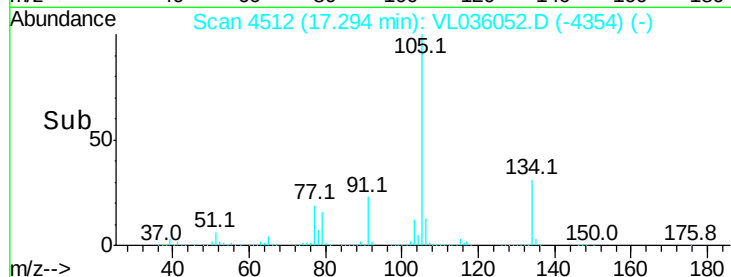
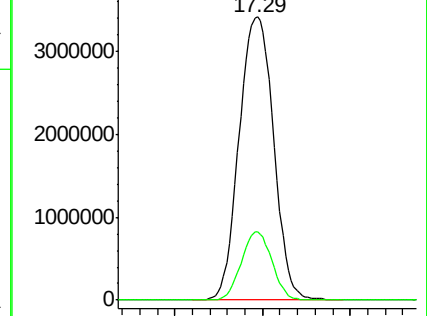
105 100

134 21.6 15.8 23.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.981 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

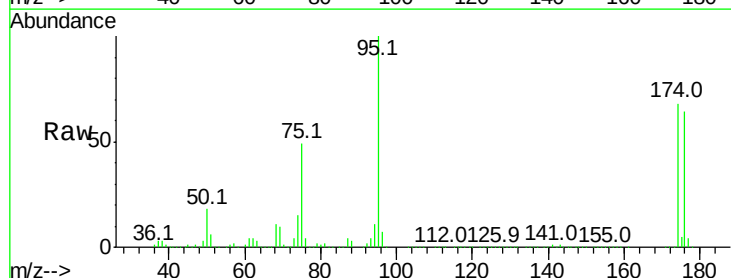
Tgt Ion: 95 Resp: 3270502

Ion Ratio Lower Upper

95 100

174 67.5 54.2 81.2

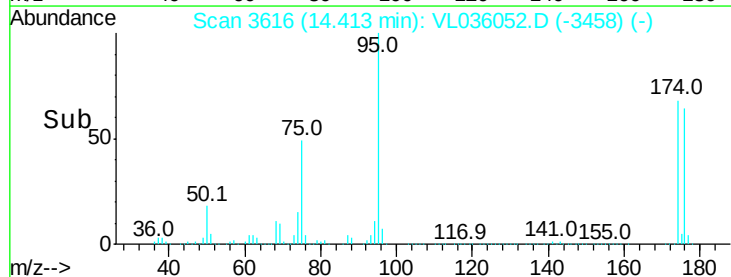
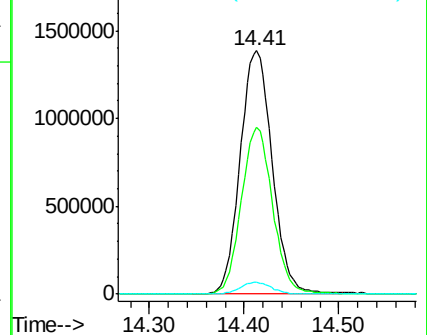
175 4.9 3.8 5.8

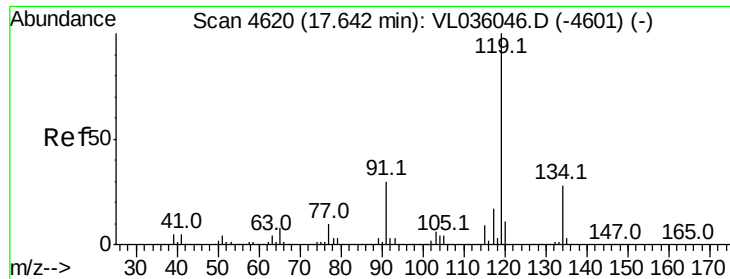


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

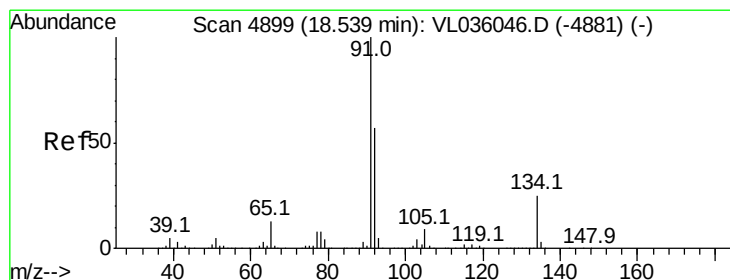
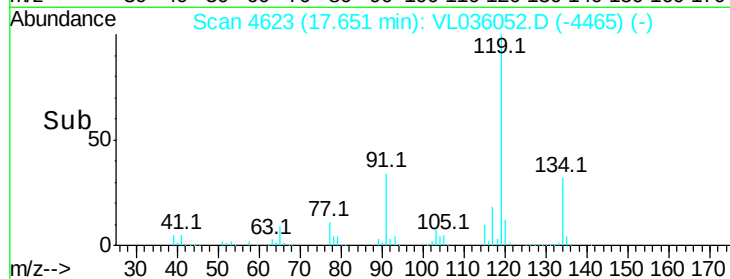
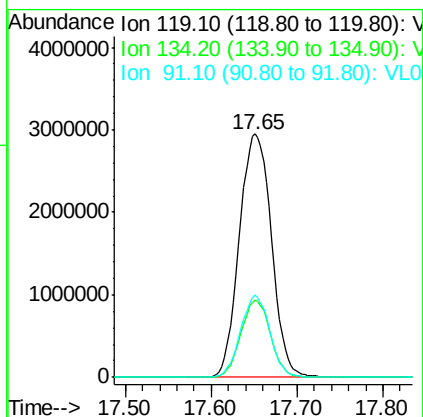
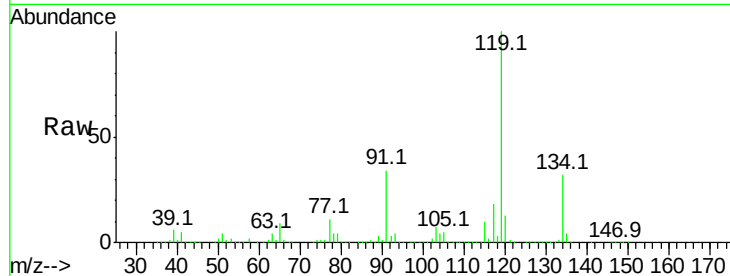




#69
 p-Isopropyltoluene
 Concen: 8.335 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

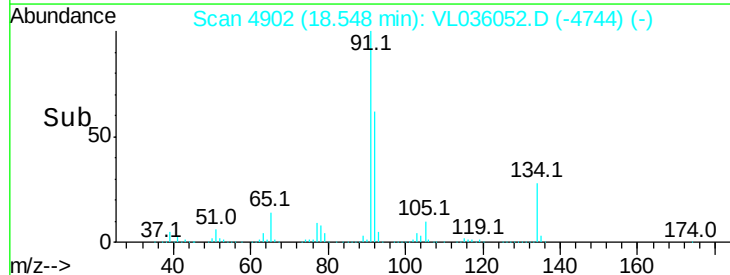
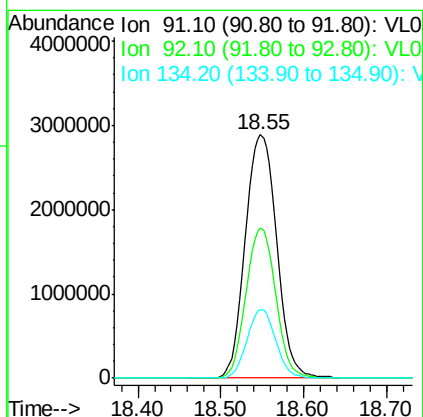
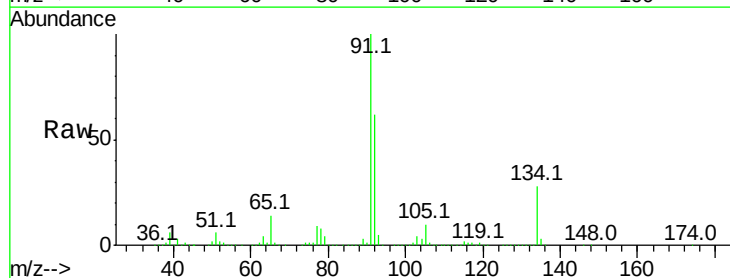
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

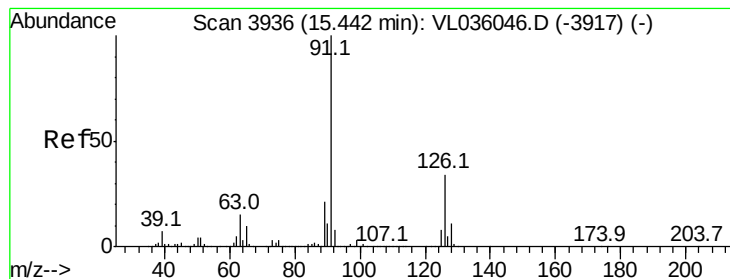
Tgt Ion: 119 Resp: 7667186
 Ion Ratio Lower Upper
 119 100
 134 29.3 22.2 33.2
 91 30.7 23.2 34.8



#70
 n-Butylbenzene
 Concen: 8.595 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion: 91 Resp: 7613782
 Ion Ratio Lower Upper
 91 100
 92 58.4 45.2 67.8
 134 25.7 19.2 28.8

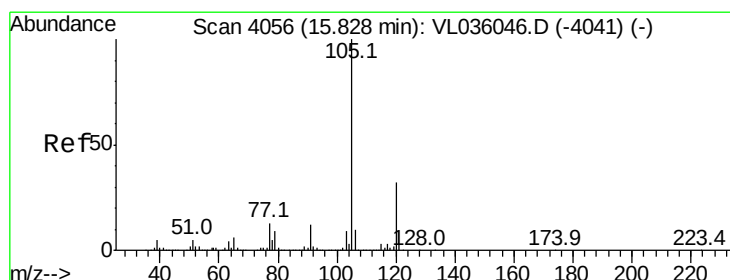
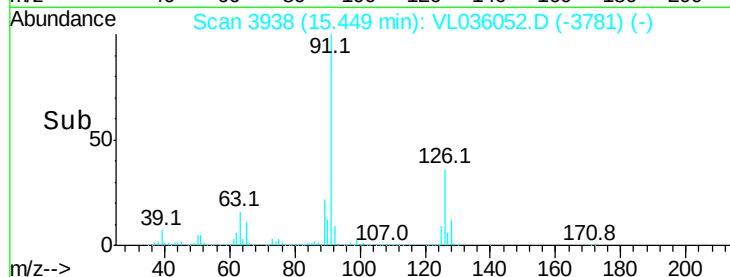
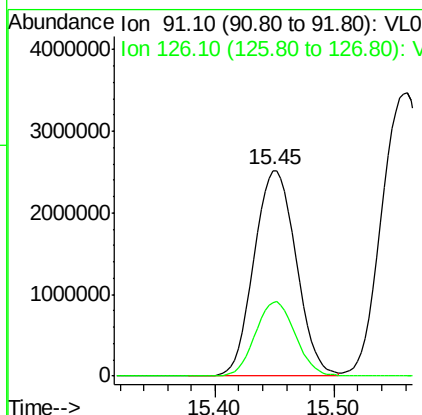
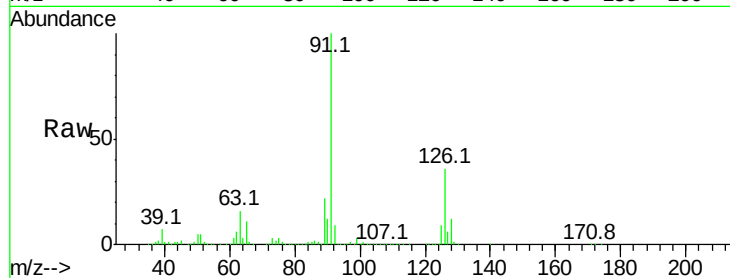




#71
 2-Chlorotoluene
 Concen: 9.303 ppbv
 RT: 15.45 min Scan# 3938
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

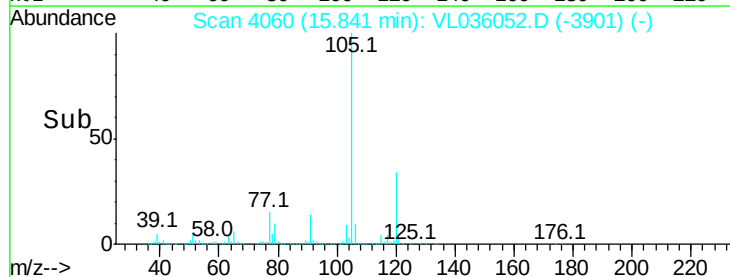
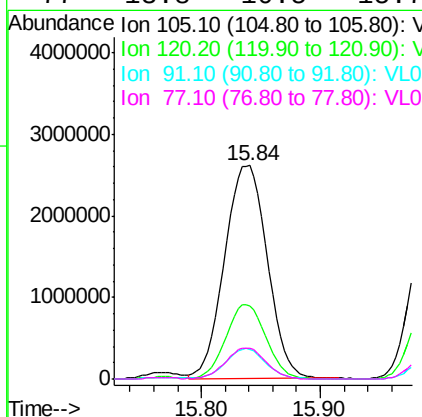
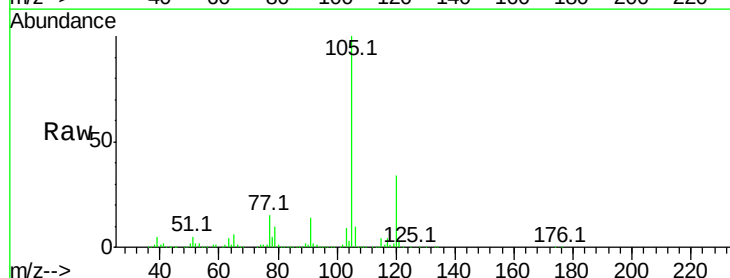
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 ClientSampleId :
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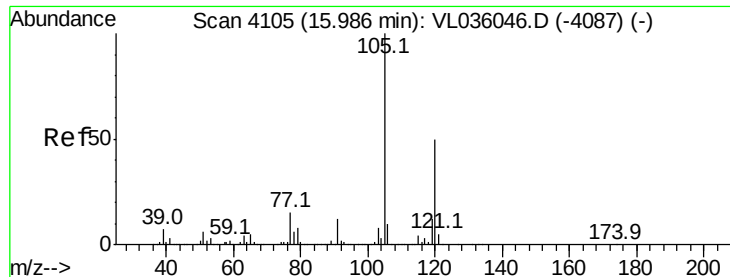
Tgt Ion: 91 Resp: 6184036
 Ion Ratio Lower Upper
 91 100
 126 34.7 13.2 53.0



#72
 4-Ethyltoluene
 Concen: 9.254 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion: 105 Resp: 6489542
 Ion Ratio Lower Upper
 105 100
 120 33.1 25.3 37.9
 91 13.3 10.1 15.1
 77 13.8 10.5 15.7

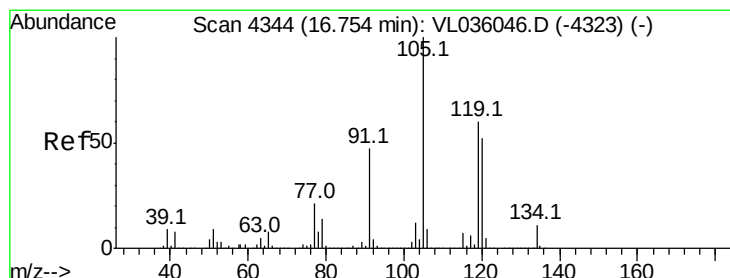
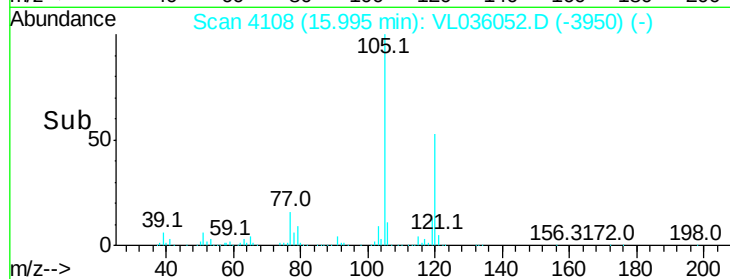
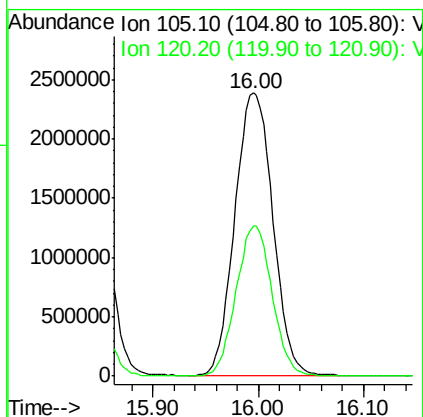
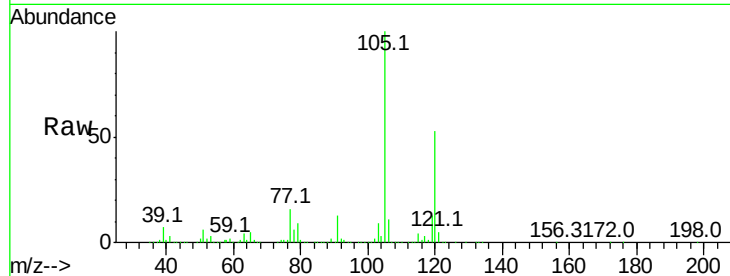




#73
 1,3,5-Trimethylbenzene
 Concen: 9.277 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

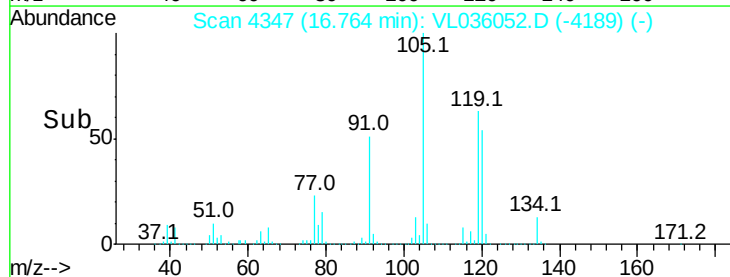
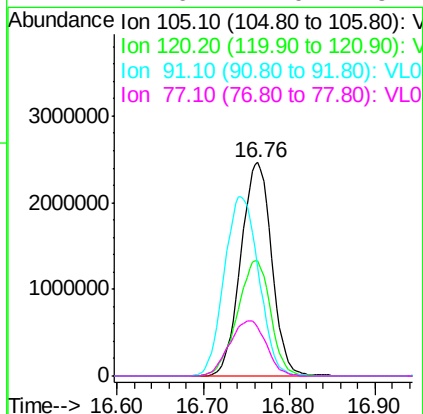
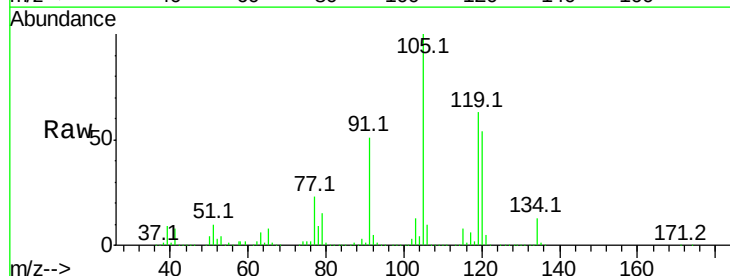
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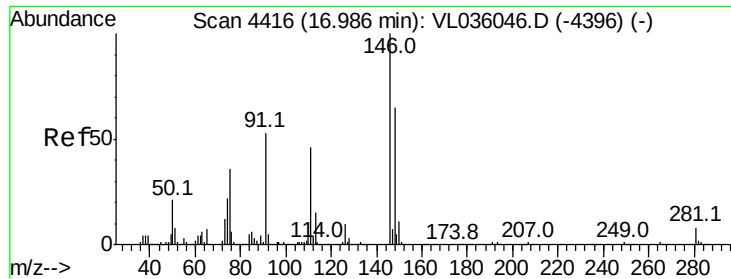
Tgt Ion:105 Resp: 5953514
 Ion Ratio Lower Upper
 105 100
 120 53.2 39.8 59.8



#74
 1,2,4-Trimethylbenzene
 Concen: 8.934 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion:105 Resp: 6143303
 Ion Ratio Lower Upper
 105 100
 120 54.1 41.5 62.3
 91 51.0 38.1 57.1
 77 22.6 17.0 25.4

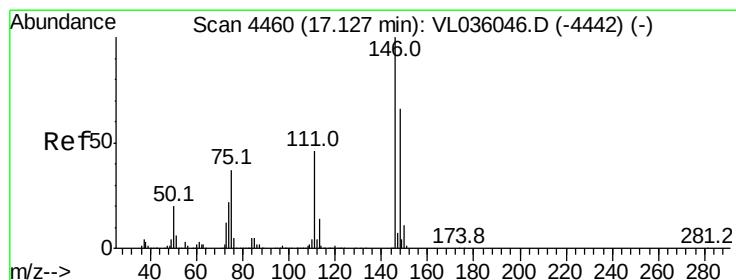
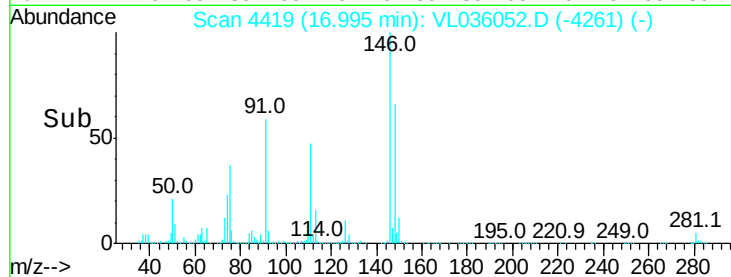
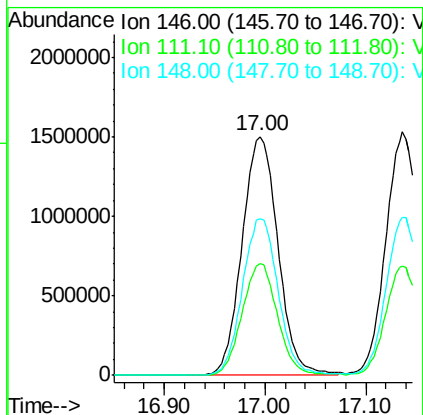
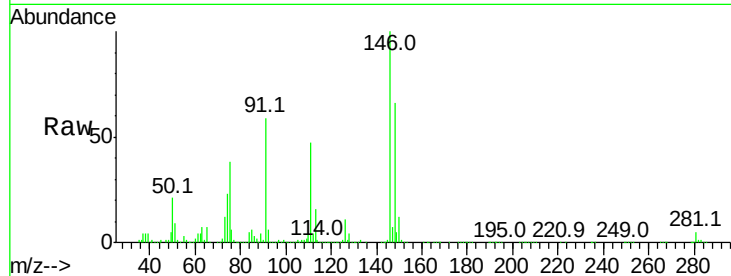




#75
 1,3-Dichlorobenzene
 Concen: 8.466 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

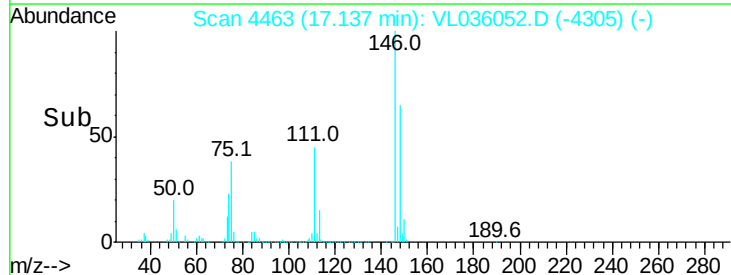
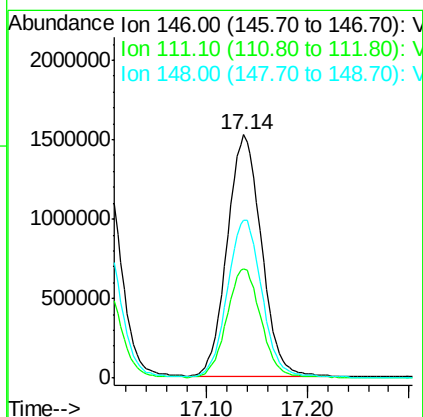
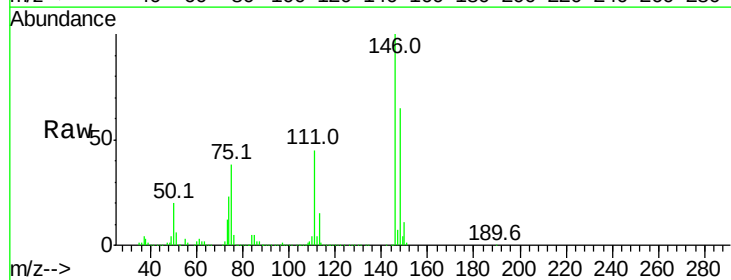
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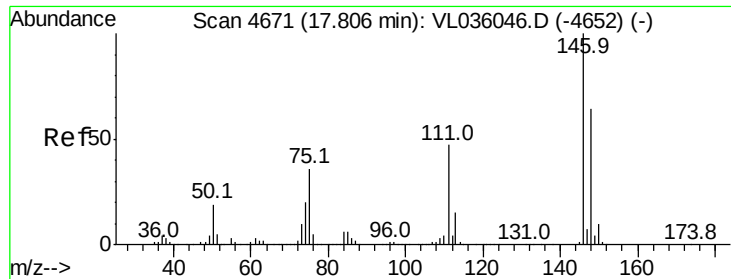
Tgt Ion:146 Resp: 3706388
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.9 68.7
 148 65.4 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 8.545 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion:146 Resp: 3609237
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.4 67.2
 148 65.8 33.0 98.9

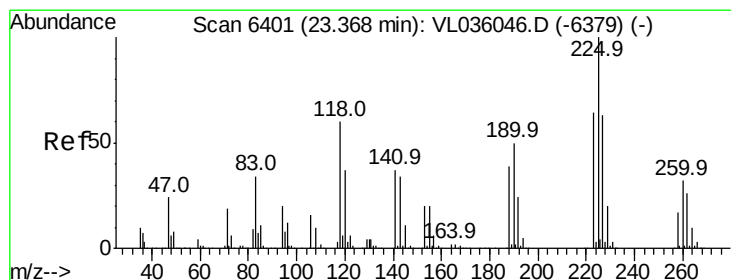
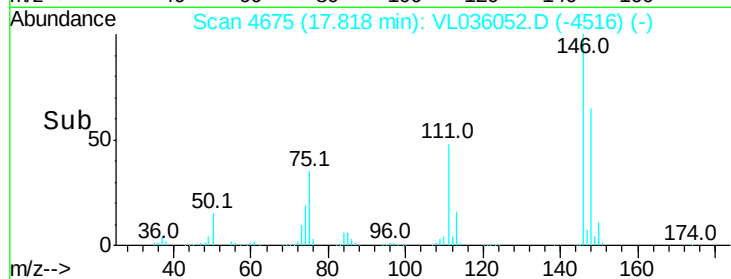
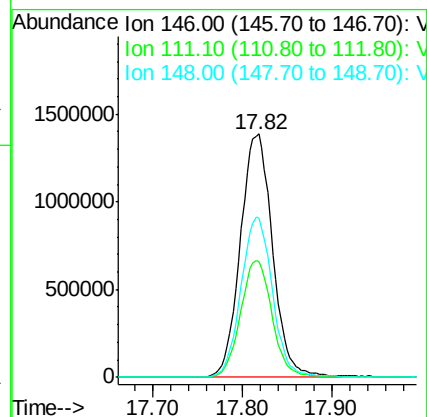
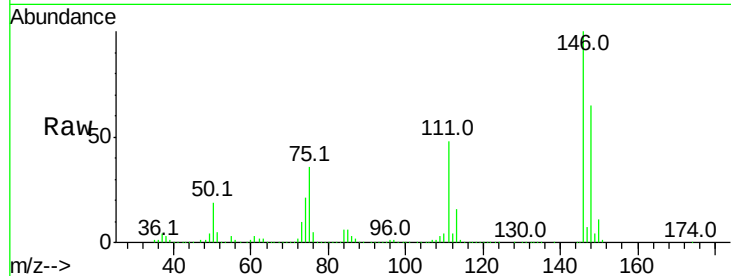




#77
 1,2-Dichlorobenzene
 Concen: 8.112 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

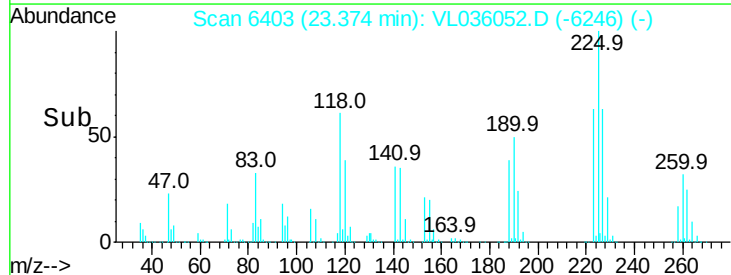
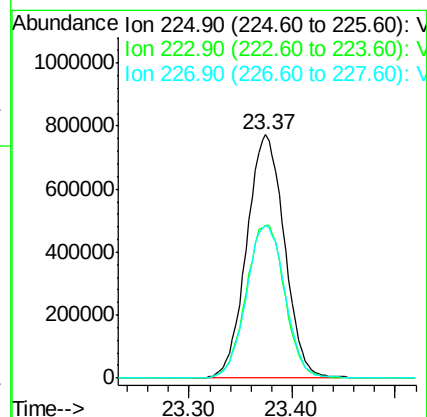
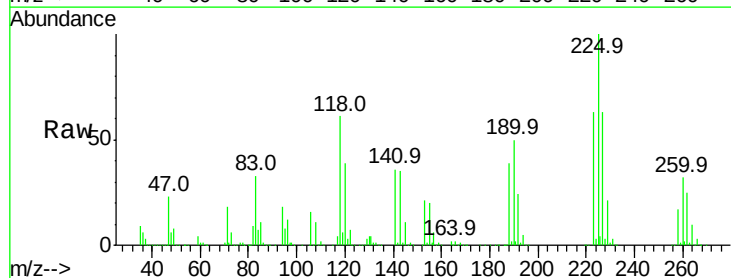
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

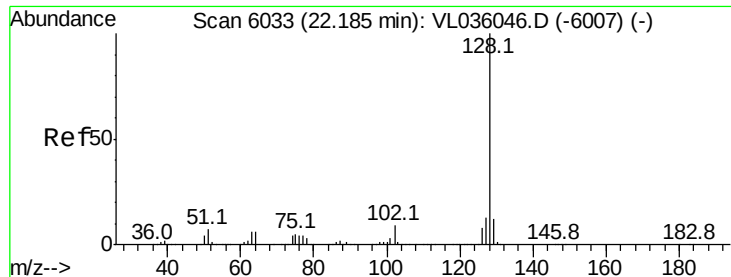
Tgt Ion:146 Resp: 3462149
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.5 70.6
 148 64.9 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.862 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Tgt Ion:225 Resp: 1963927
 Ion Ratio Lower Upper
 225 100
 223 64.5 51.0 76.4
 227 64.4 51.2 76.8





#79

Naphthalene

Concen: 9.023 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.01 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

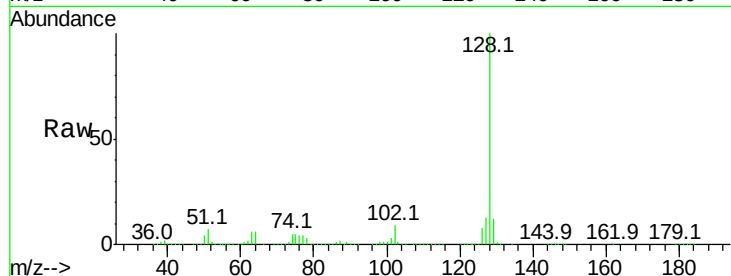
Tgt Ion:128 Resp: 4324965

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

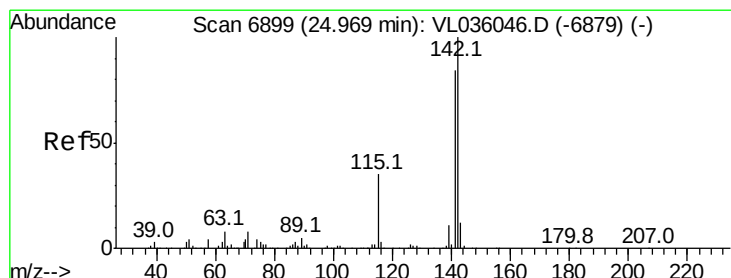
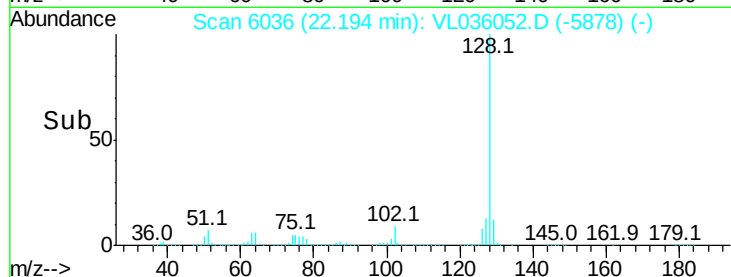
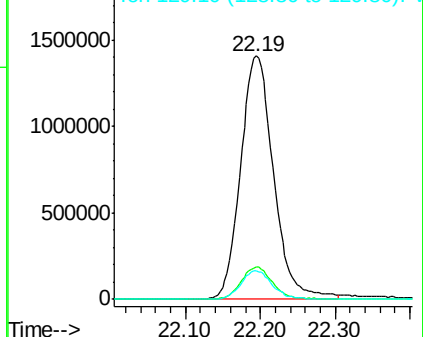
129 11.7 9.3 13.9



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: 18.285 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL036052.D

Acq: 3 Dec 2020 13:36

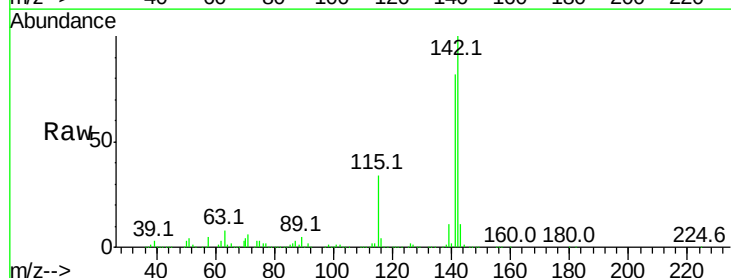
Tgt Ion:142 Resp: 1428351

Ion Ratio Lower Upper

142 100

141 84.8 68.6 103.0

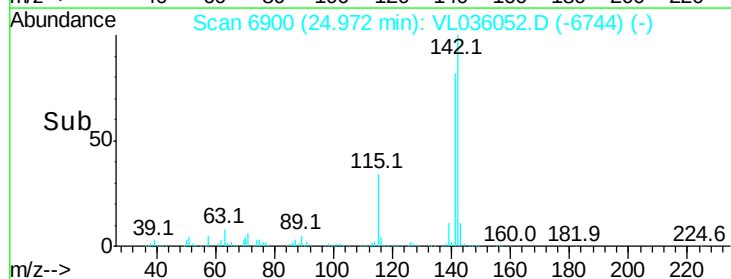
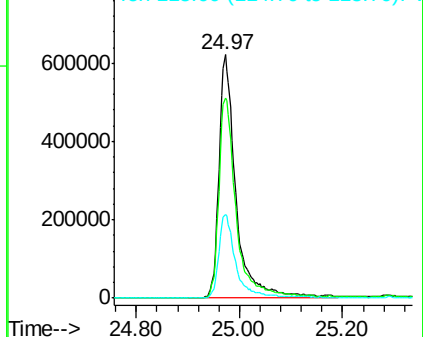
115 35.2 27.9 41.9

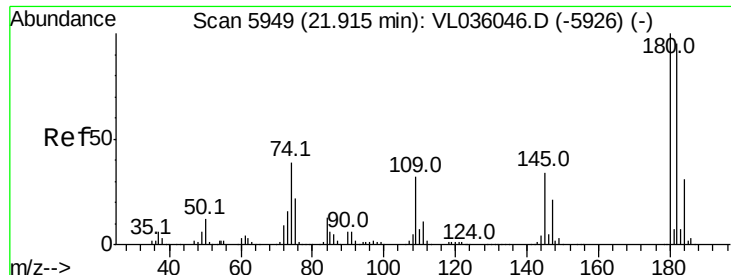


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

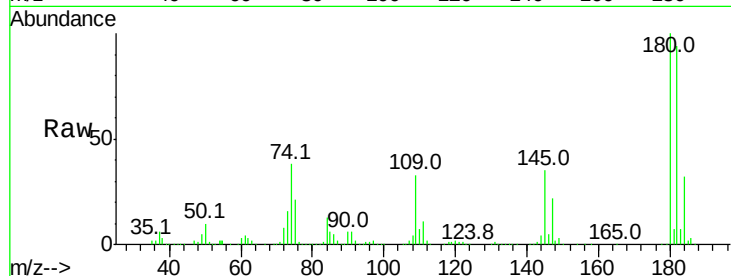




#81
 1,2,4-Trichlorobenzene
 Concen: 9.459 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.01 min
 Lab File: VL036052.D
 Acq: 3 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 2533237
 Ion Ratio Lower Upper
 180 100
 182 97.2 78.5 117.7
 184 31.3 25.0 37.6



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

