

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052521\
 Data File : VL037057.D
 Acq On : 25 May 2021 11:29
 Operator : SY/AP
 Sample : VL0525ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Quant Time: May 26 01:10:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1170576	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3538125	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4330960	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2536031	7.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1926610	9.702	ppbv	99
3) Chlorodifluoromethane	2.97	51	2512839	11.717	ppbv	96
4) Chloromethane	3.12	50	821938	11.263	ppbv	97
5) Vinyl Chloride	3.24	62	900618	11.291	ppbv	98
6) Bromomethane	3.46	94	515196	12.257	ppbv	100
7) Chloroethane	3.54	64	338068	13.053	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2282655	12.243	ppbv	97
9) Propene	2.99	41	786639	10.244	ppbv	96
10) Heptane	8.10	43	2073936	10.837	ppbv	100
11) Trichlorofluoromethane	3.93	101	2380727	12.952	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1658546	12.668	ppbv	97
13) Ethanol	3.59	45	50906	4.968	ppbv #	27
14) Bromoethene	3.72	108	689657	11.959	ppbv	95
15) Acetone	3.83	43	1200607	10.014	ppbv	96
16) 1,3-Butadiene	3.31	39	905269	12.153	ppbv	97
17) tert-Butyl alcohol	4.27	59	1354243	12.331	ppbv	99
18) 1,1-Dichloroethene	4.27	96	744965	12.305	ppbv	96
19) Isopropyl Alcohol	3.95	45	799223	12.400	ppbv #	35
20) Methylene Chloride	4.32	84	620528	9.655	ppbv	98
21) Allyl Chloride	4.39	41	1035165	11.445	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	743677	12.817	ppbv	96
23) Vinyl Acetate	5.05	43	1969224	10.348	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	1495536	10.918	ppbv	98
25) Ethyl Acetate	5.66	43	3234937	11.228	ppbv	99
26) Hexane	5.66	57	1575813	10.706	ppbv	99
27) Carbon Disulfide	4.53	76	1728784	11.654	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1683840	9.544	ppbv	100
29) Chloroform	5.73	83	2522585	12.131	ppbv	98
30) Cyclohexane	7.11	84	1376229	11.003	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1557250	11.801	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2630207	11.779	ppbv	98
34) 2-Butanone	5.23	43	1501504	11.655	ppbv	98
35) Carbon Tetrachloride	7.00	117	2825416	12.019	ppbv	99
36) Benzene	6.87	78	3273253	10.740	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1927343	12.756	ppbv	99
38) Trichloroethene	7.81	130	1389872	10.661	ppbv	96
39) 1,2-Dichloropropane	7.59	63	1254068	10.682	ppbv	99
40) 1,4-Dioxane	7.82	88	275816	9.950	ppbv #	100
41) Tetrahydrofuran	6.03	42	740198	10.088	ppbv	98
42) Bromodichloromethane	7.77	83	2723887	11.916	ppbv	97
43) Methyl Methacrylate	7.99	69	1183812	11.270	ppbv	98

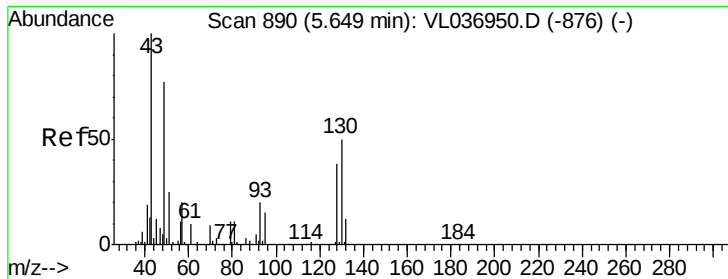
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5394343	10.317	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	918873	11.450	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1213848	11.246	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1405750	11.441	ppbv	98
48) Dibromochloromethane	10.28	129	2509204	12.612	ppbv	99
49) Bromoform	13.02	173	2065451	12.571	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2361273	11.107	ppbv	98
51) 2-Hexanone	10.12	43	1237893	11.014	ppbv #	96
52) Tetrachloroethene	11.20	164	1345146	11.100	ppbv	97
53) Toluene	9.78	91	3920935	10.813	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2063327	11.811	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1718360	9.429	ppbv #	56
57) Chlorobenzene	12.13	112	2987693	8.897	ppbv	97
58) Ethyl Benzene	12.69	91	5258944	8.603	ppbv	99
59) m/p-Xylene	12.98	91	4731934	9.365	ppbv #	41
60) o-Xylene	13.67	91	4225910	8.769	ppbv	99
61) Styrene	13.51	104	2467851	9.090	ppbv	99
62) Isopropylbenzene	14.64	105	5973984	8.626	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2849309	7.917	ppbv	98
64) n-propylbenzene	15.54	120	1610219	9.011	ppbv	97
65) tert-Butylbenzene	16.72	119	5502017	8.804	ppbv	99
66) Benzyl Chloride	16.97	91	240117	6.925	ppbv	99
67) sec-Butylbenzene	17.27	105	7404068	8.685	ppbv	100
69) p-Isopropyltoluene	17.63	119	6553898	8.941	ppbv	99
70) n-Butylbenzene	18.53	91	6324624	9.083	ppbv	99
71) 2-Chlorotoluene	15.43	91	4389845	8.776	ppbv	98
72) 4-Ethyltoluene	15.82	105	5215148	9.118	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4779787	8.899	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5026753	9.052	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	3108166	9.166	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3084503	8.996	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3057936	8.999	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2222604	8.135	ppbv	99
79) Naphthalene	22.17	128	4452895	10.219	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1261027	13.309	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2543460	9.575	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

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ClientSampleId :

VL0525ABS01

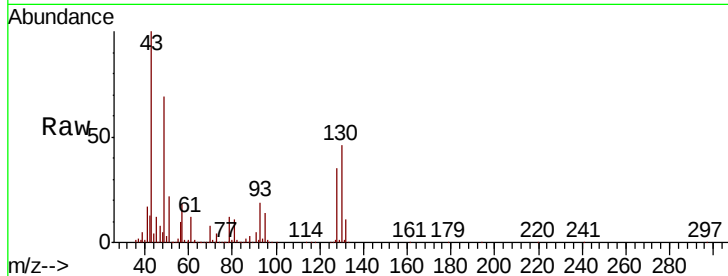
Tot Ion: 49 Resp: 1170576

Ion Ratio Lower Upper

49 100

128 59.3 26.9 80.7

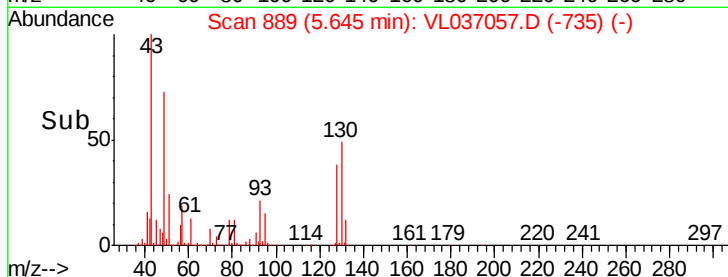
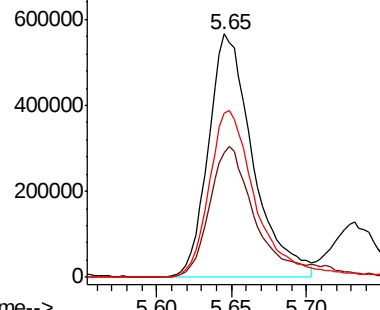
130 73.7 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.702 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037057.D

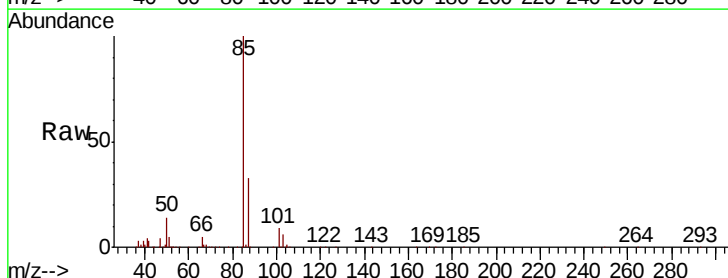
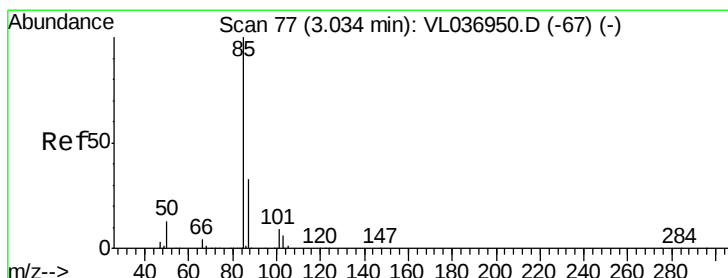
Acq: 25 May 2021 11:29

Tgt Ion: 85 Resp: 1926610

Ion Ratio Lower Upper

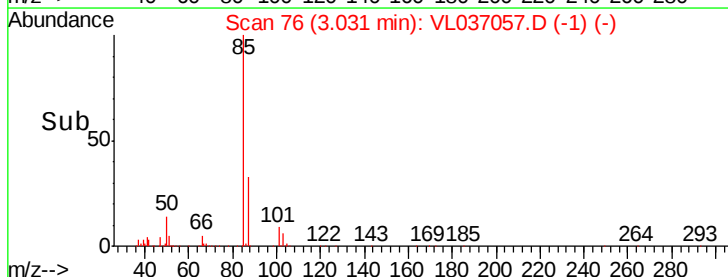
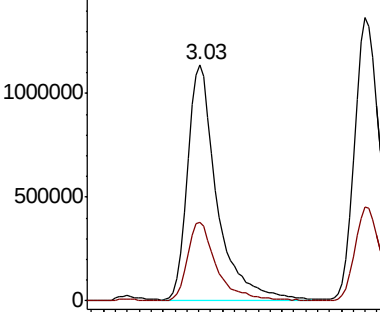
85 100

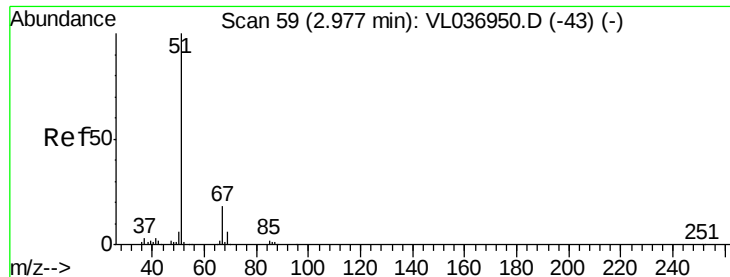
87 32.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.717 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

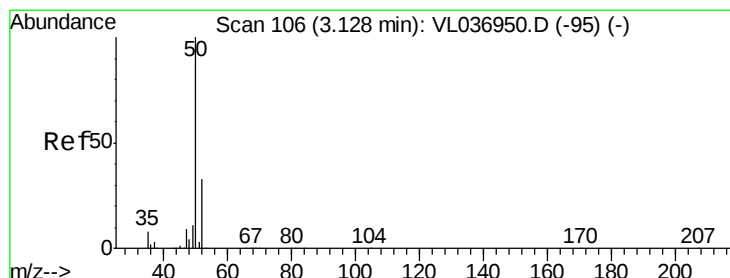
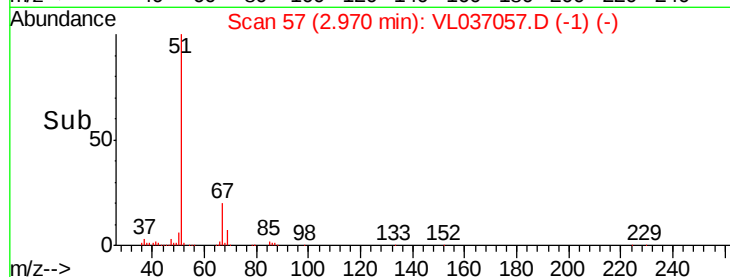
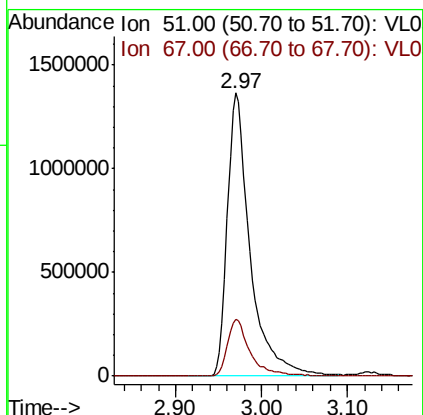
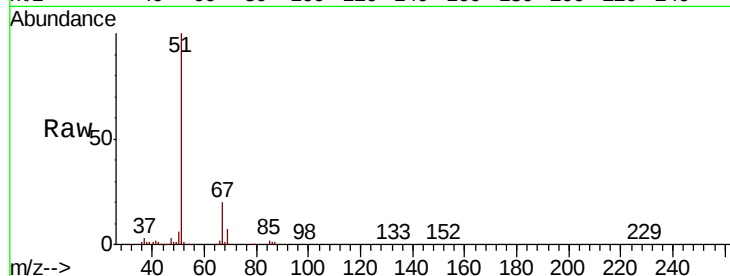
VL0525ABS01

Tot Ion: 51 Resp: 2512839

Ion Ratio Lower Upper

51 100

67 20.1 14.6 21.8



#4

Chloromethane

Concen: 11.263 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037057.D

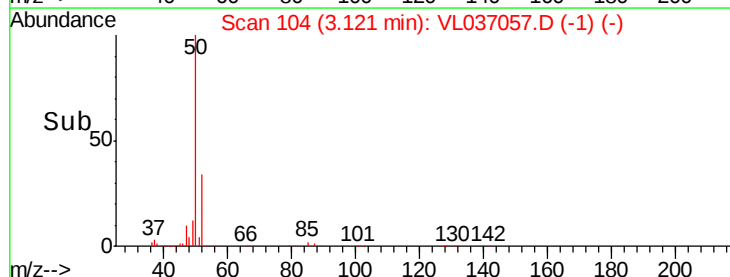
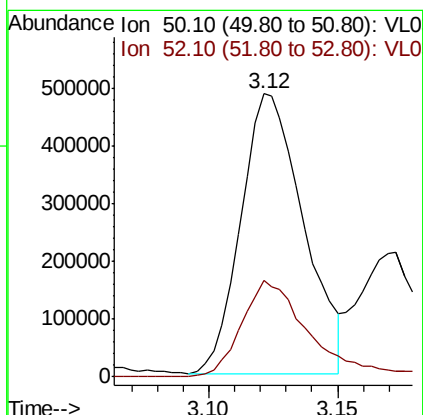
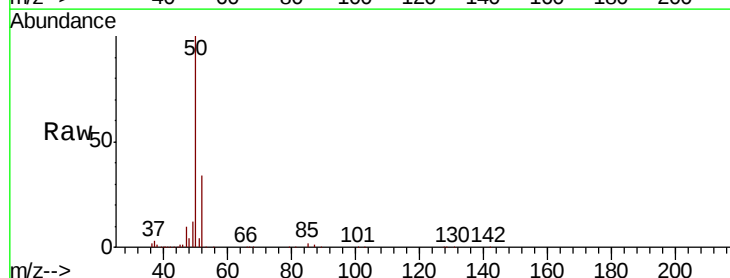
Acq: 25 May 2021 11:29

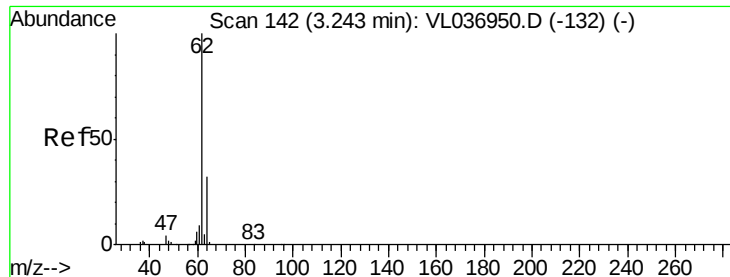
Tgt Ion: 50 Resp: 821938

Ion Ratio Lower Upper

50 100

52 34.5 26.1 39.1





#5

Vinyl Chloride

Concen: 11.291 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleID :

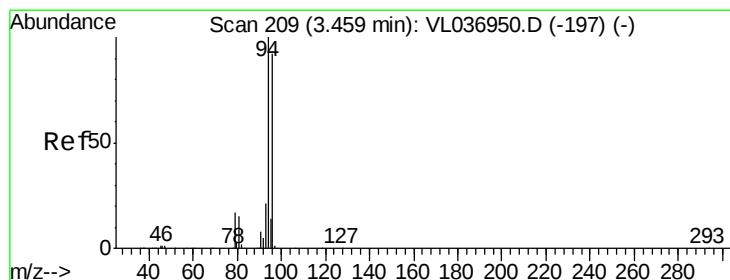
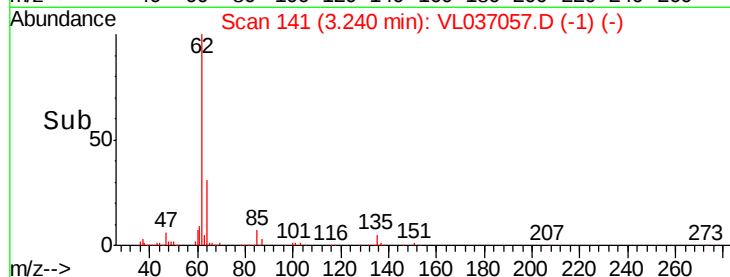
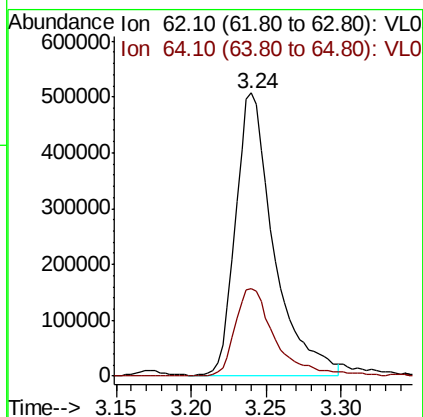
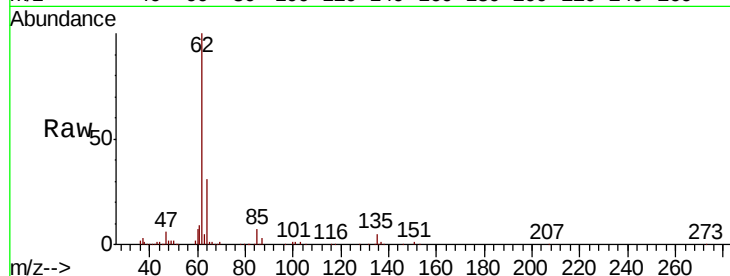
VL0525ABS01

Tot Ion: 62 Resp: 900618

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9



#6

Bromomethane

Concen: 12.257 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037057.D

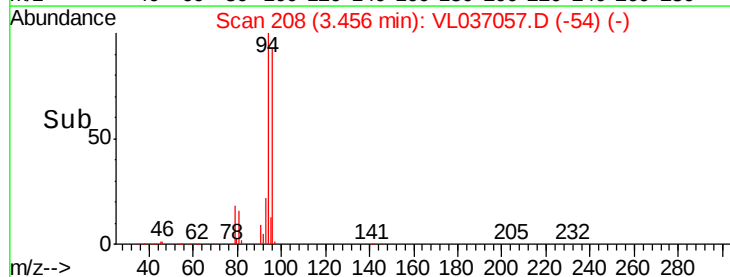
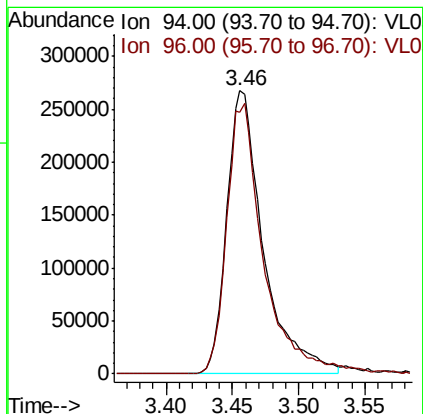
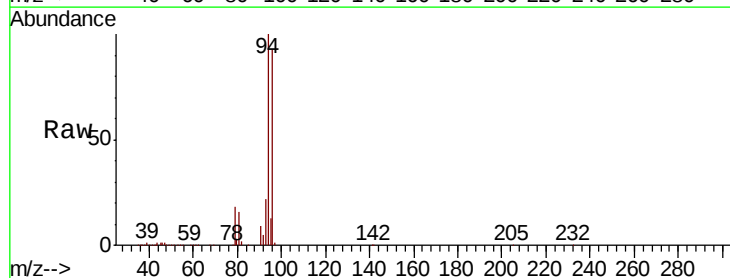
Acq: 25 May 2021 11:29

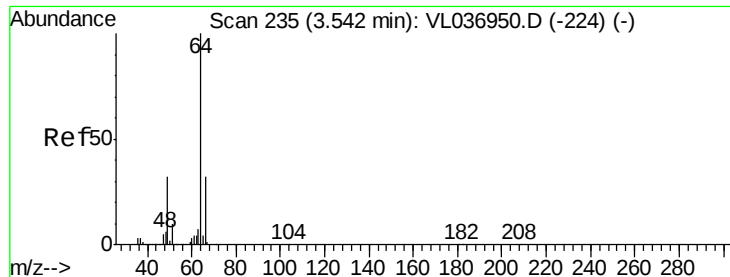
Tgt Ion: 94 Resp: 515196

Ion Ratio Lower Upper

94 100

96 92.7 74.0 111.0





#7

Chloroethane

Concen: 13.053 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

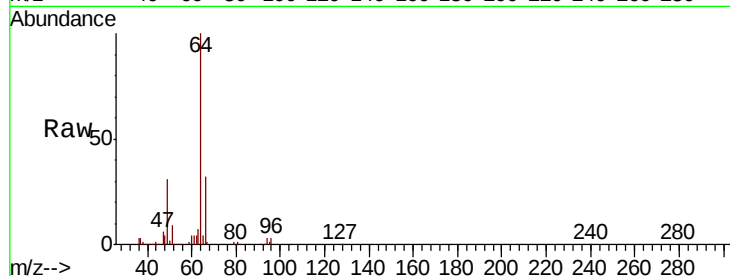
VL0525ABS01

Tot Ion: 64 Resp: 338068

Ion Ratio Lower Upper

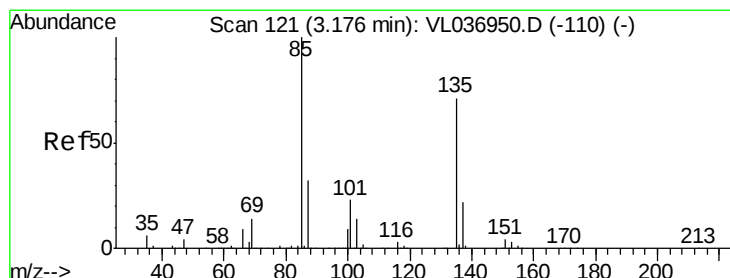
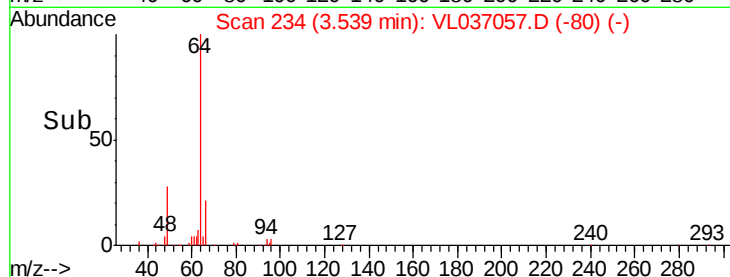
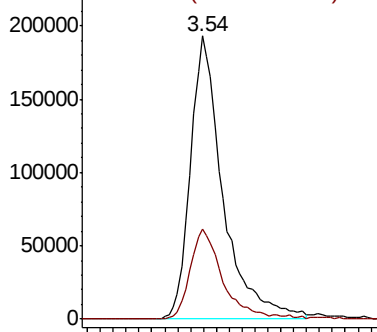
64 100

66 31.9 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.243 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037057.D

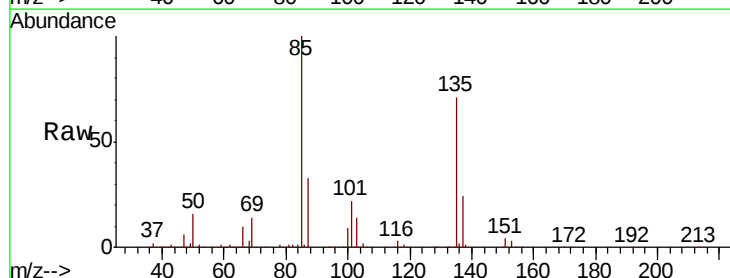
Acq: 25 May 2021 11:29

Tgt Ion: 85 Resp: 2282655

Ion Ratio Lower Upper

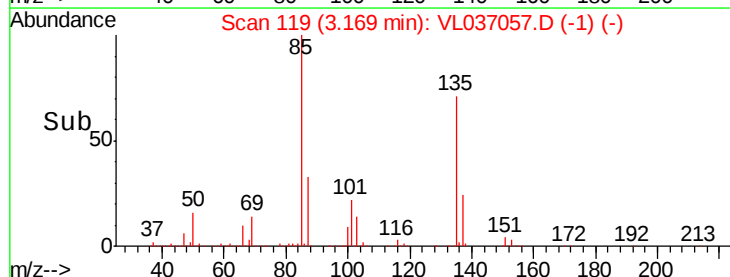
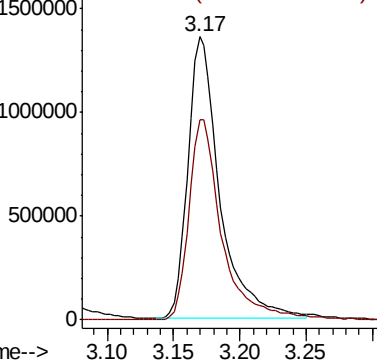
85 100

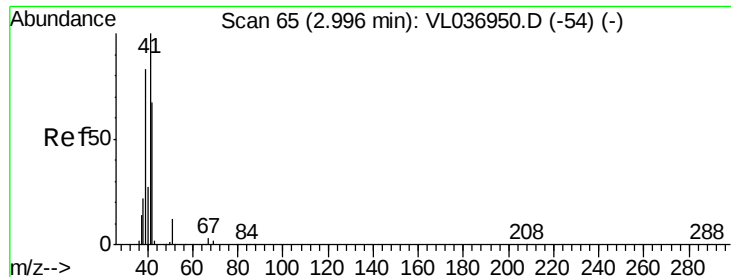
135 74.2 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.244 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

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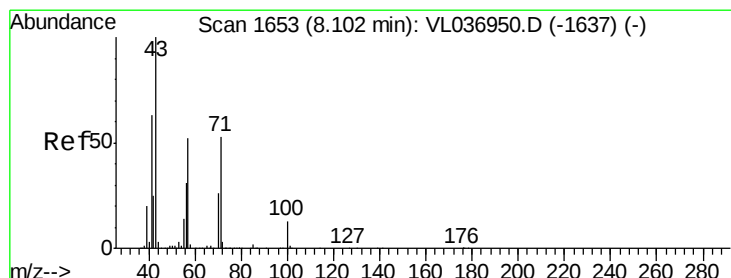
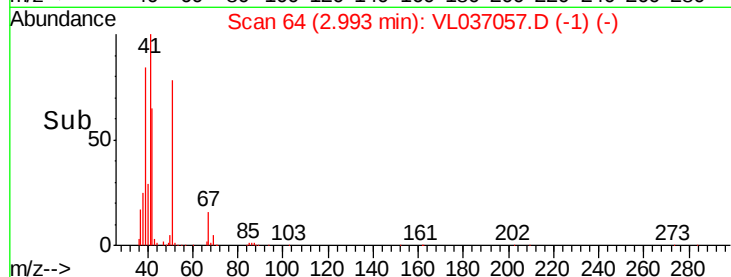
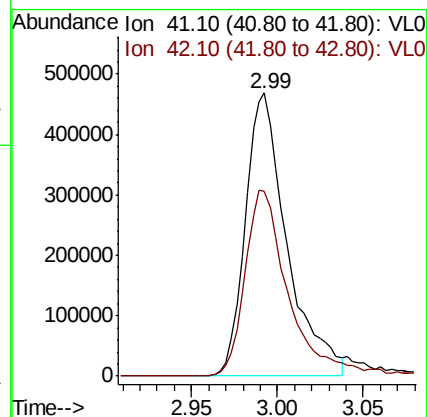
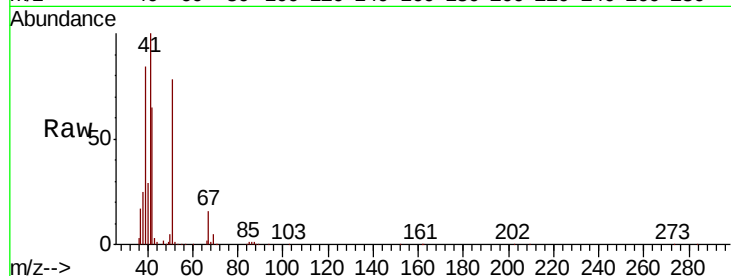
VL0525ABS01

Tot Ion: 41 Resp: 786639

Ion Ratio Lower Upper

41 100

42 70.3 53.9 80.9



#10

Heptane

Concen: 10.837 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037057.D

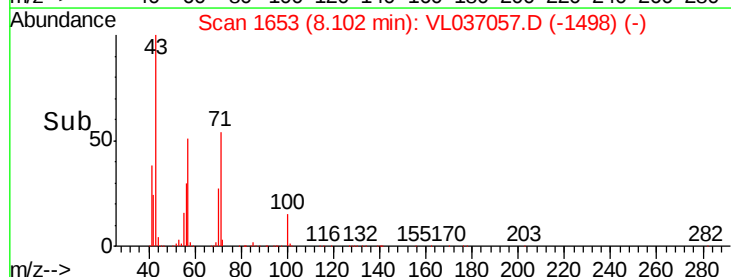
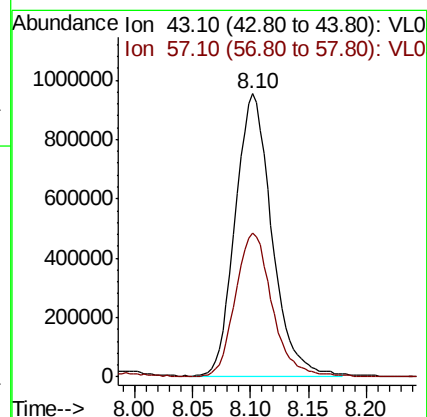
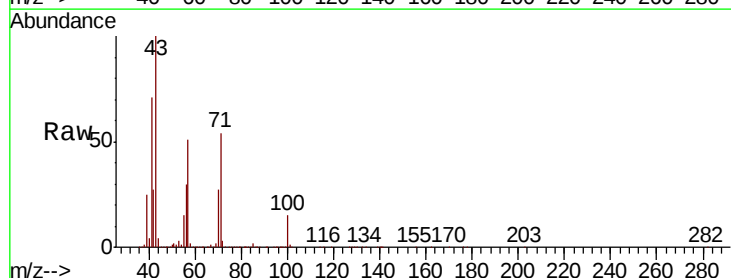
Acq: 25 May 2021 11:29

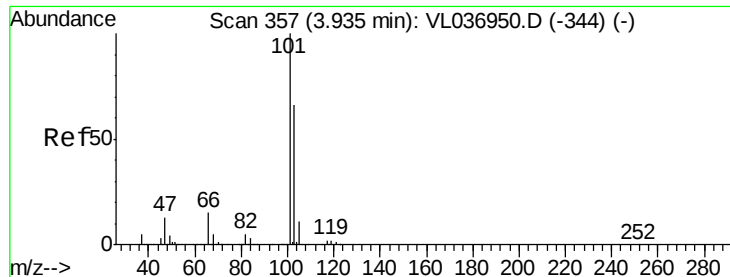
Tgt Ion: 43 Resp: 2073936

Ion Ratio Lower Upper

43 100

57 51.5 41.0 61.6





#11

Trichlorofluoromethane

Concen: 12.952 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

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ClientSampleId :

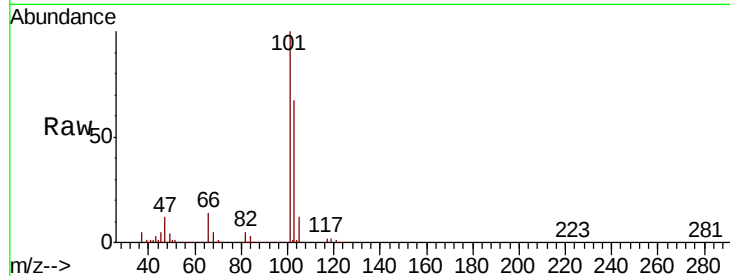
VL0525ABS01

Tot Ion:101 Resp: 2380727

Ion Ratio Lower Upper

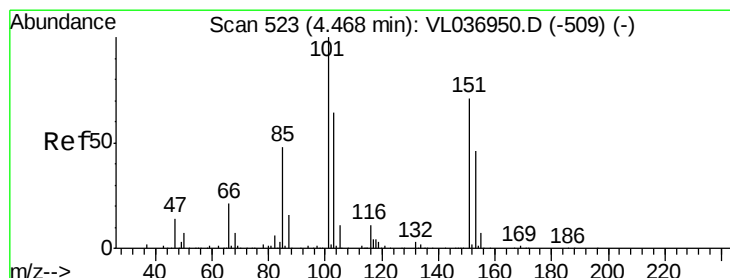
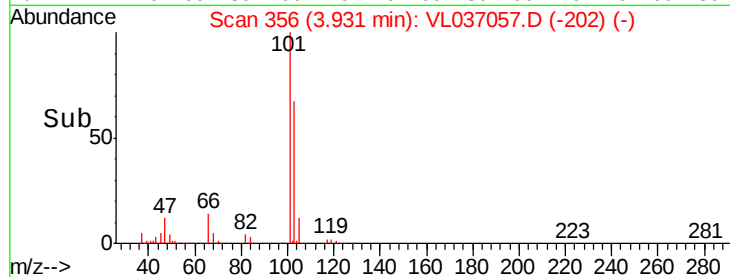
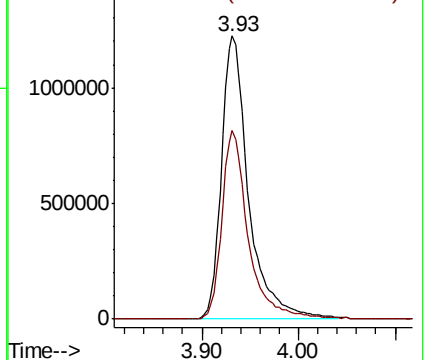
101 100

103 66.5 52.6 79.0



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: 12.668 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL037057.D

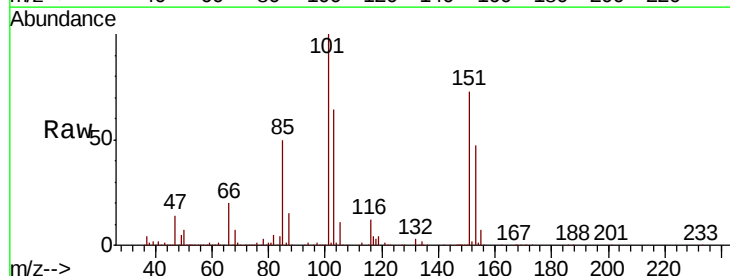
Acq: 25 May 2021 11:29

Tgt Ion:101 Resp: 1658546

Ion Ratio Lower Upper

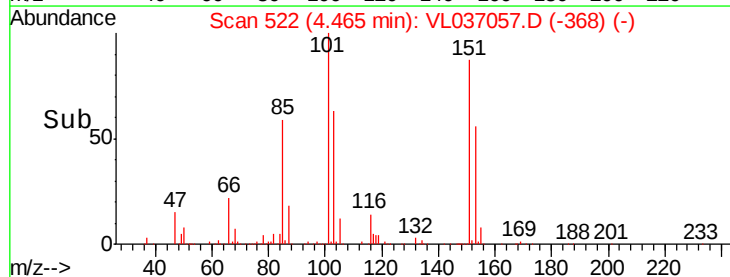
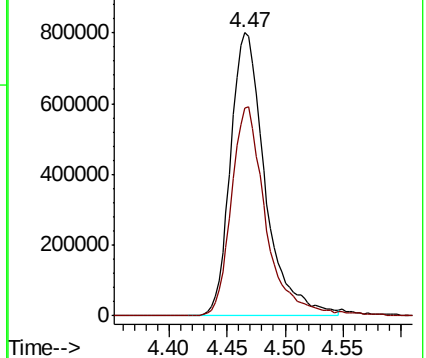
101 100

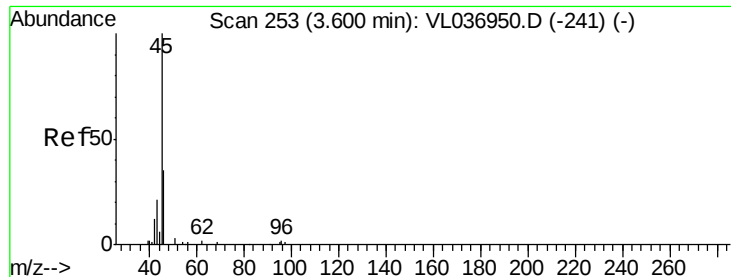
151 74.2 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

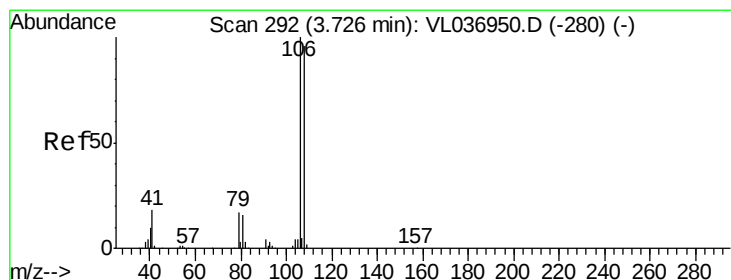
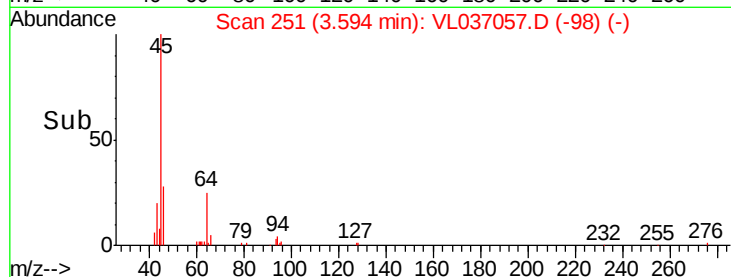
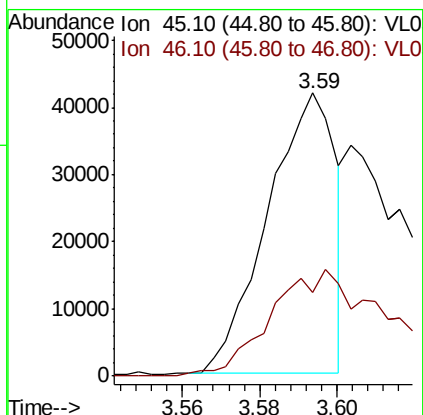
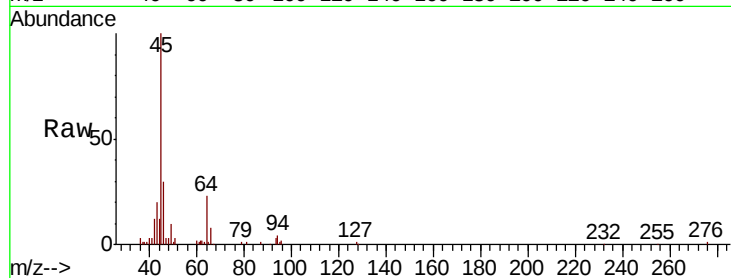




#13
Ethanol
Concen: 4.968 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

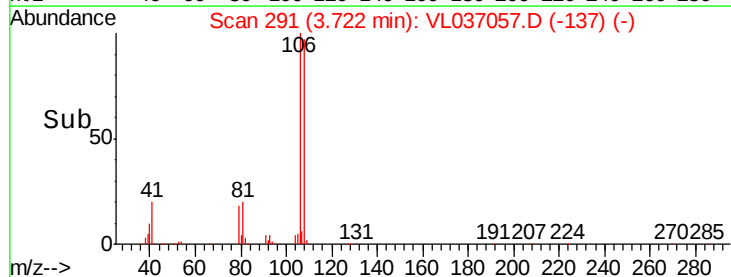
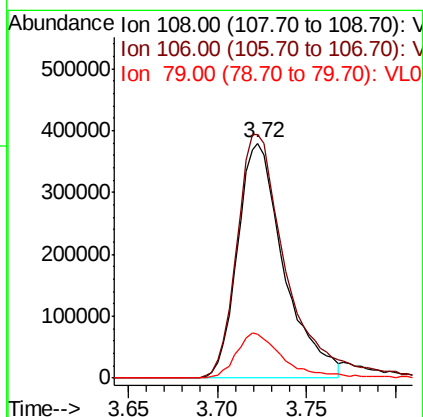
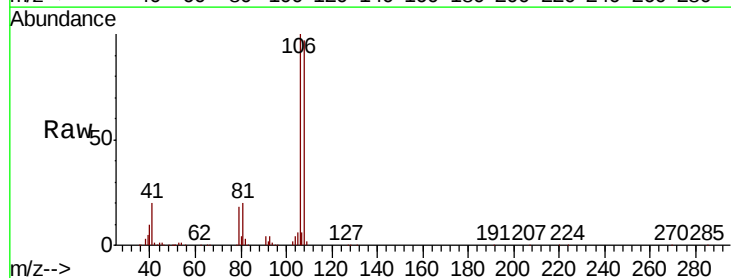
Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

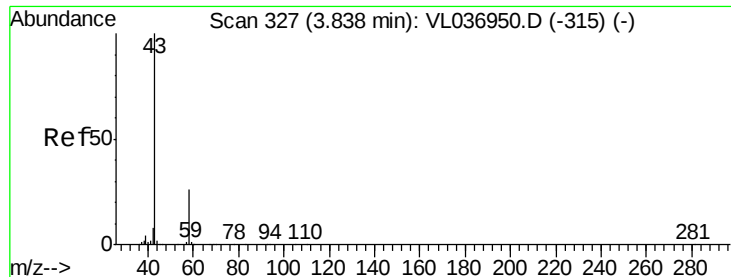
Tot Ion: 45 Resp: 50906
Ion Ratio Lower Upper
45 100
46 86.5 16.3 65.3#



#14
Bromoethene
Concen: 11.959 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 108 Resp: 689657
Ion Ratio Lower Upper
108 100
106 113.2 86.5 129.7
79 20.3 15.0 22.4





#15

Acetone

Concen: 10.014 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

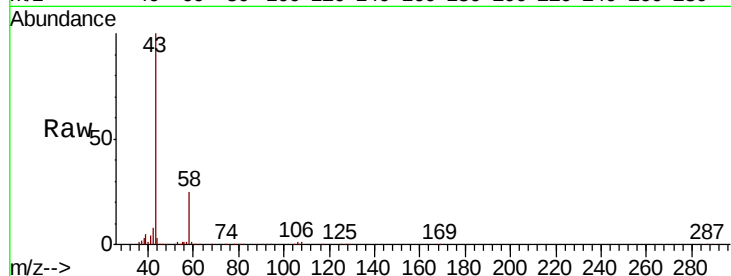
VL0525ABS01

Tot Ion: 43 Resp: 1200607

Ion Ratio Lower Upper

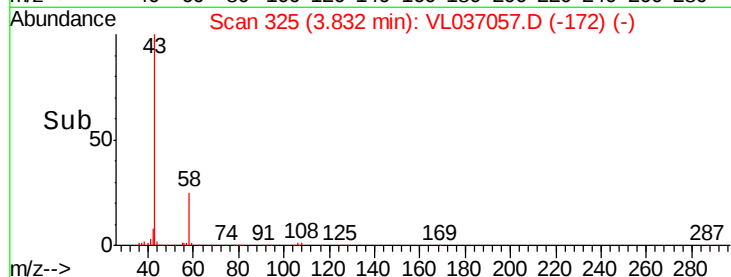
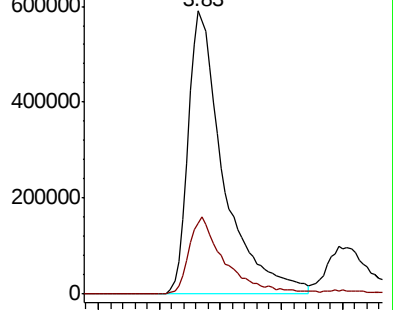
43 100

58 27.8 24.0 36.0

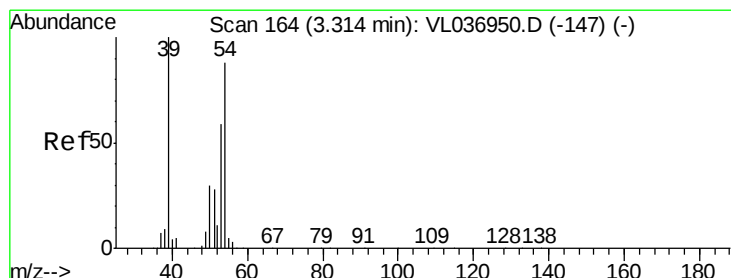


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->



#16

1,3-Butadiene

Concen: 12.153 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037057.D

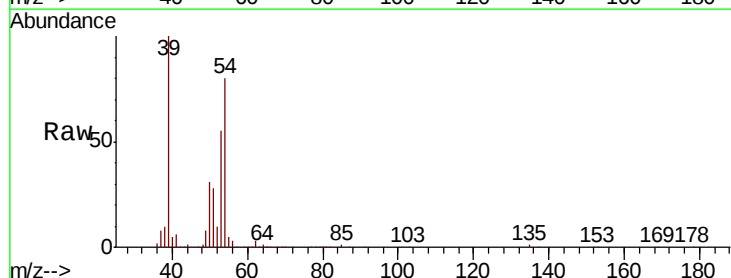
Acq: 25 May 2021 11:29

Tgt Ion: 39 Resp: 905269

Ion Ratio Lower Upper

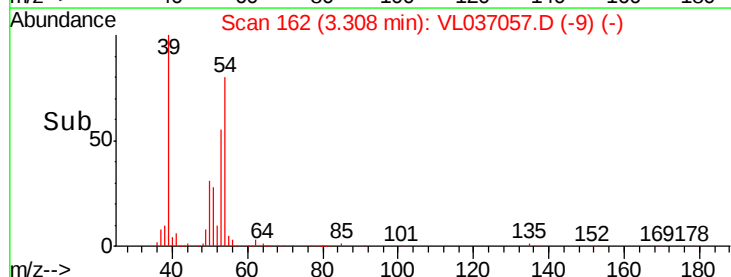
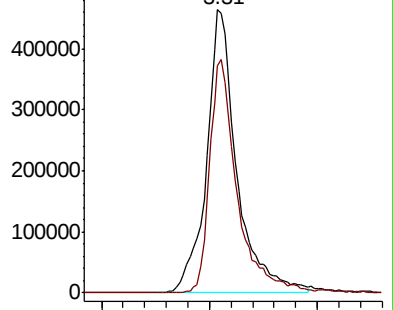
39 100

54 76.0 63.2 94.8

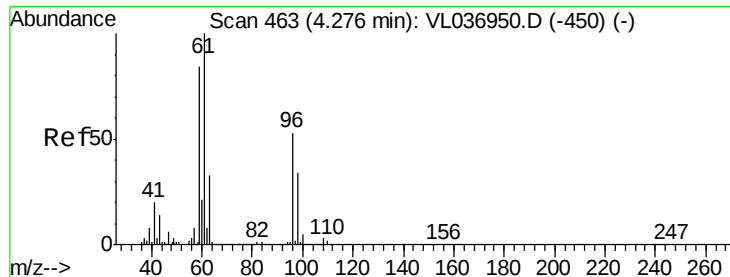


Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



Time-->



#17

tert-Butyl alcohol

Concen: 12.331 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

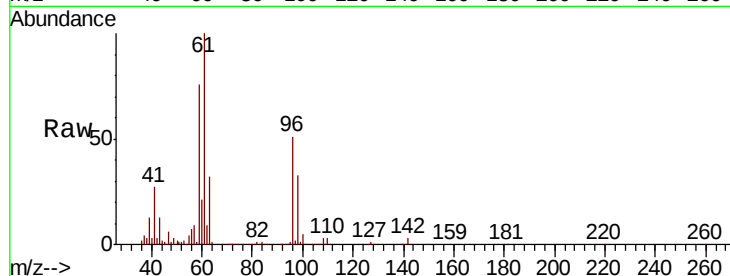
VL0525ABS01

Tot Ion: 59 Resp: 1354243

Ion Ratio Lower Upper

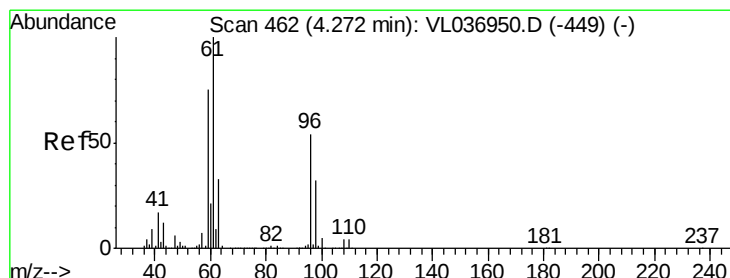
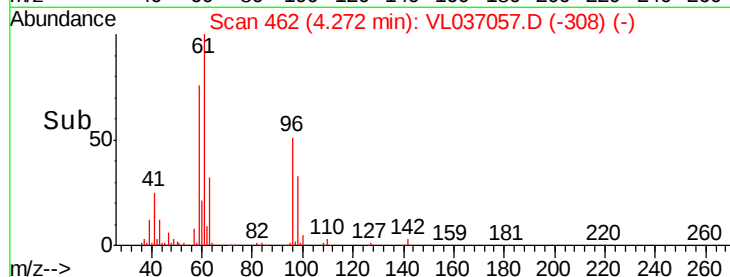
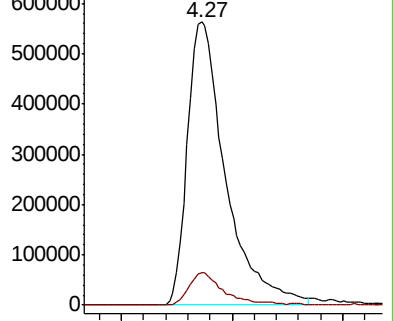
59 100

57 10.9 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 12.305 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

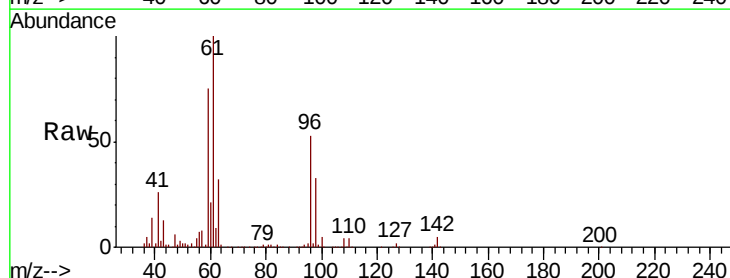
Tgt Ion: 96 Resp: 744965

Ion Ratio Lower Upper

96 100

61 190.3 148.2 222.4

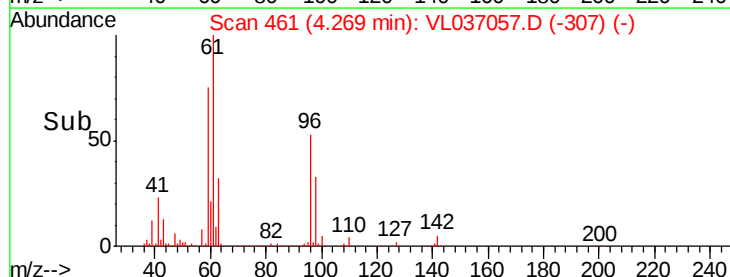
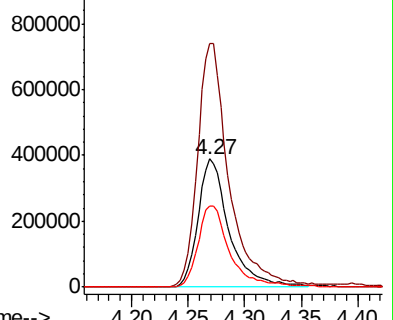
98 63.3 47.8 71.6

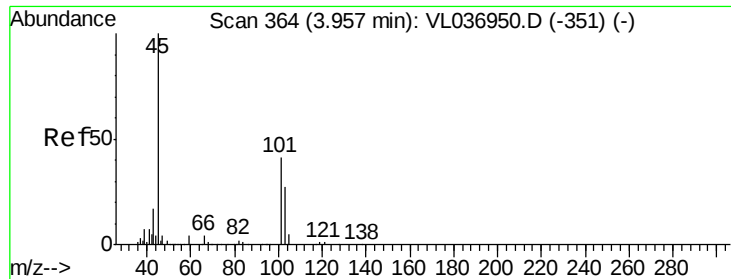


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 12.400 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

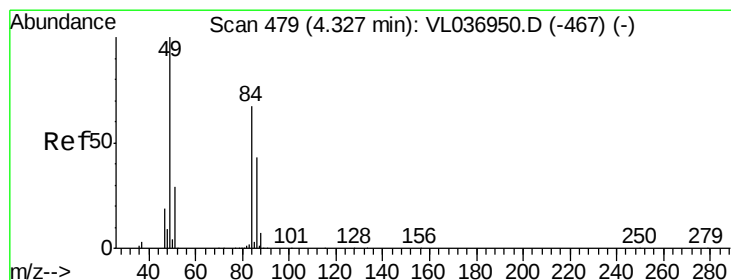
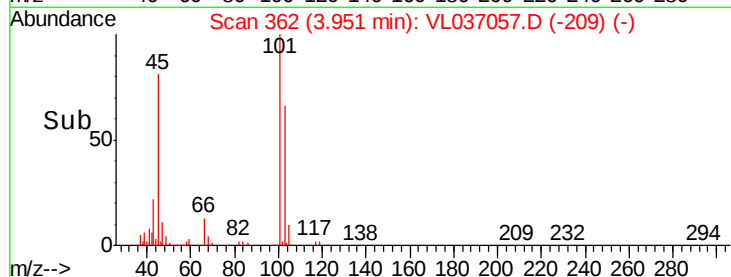
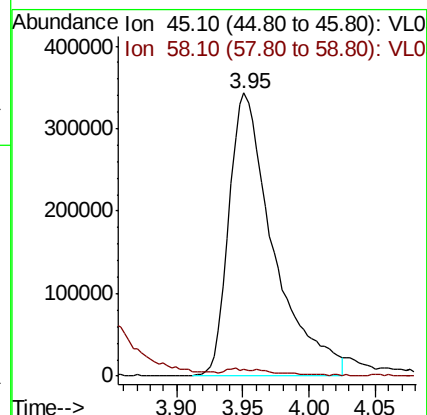
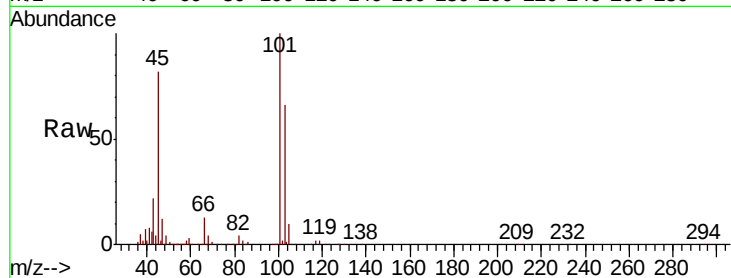
VL0525ABS01

Tot Ion: 45 Resp: 799223

Ion Ratio Lower Upper

45 100

58 3.3 37.2 55.8#



#20

Methylene Chloride

Concen: 9.655 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion: 84 Resp: 620528

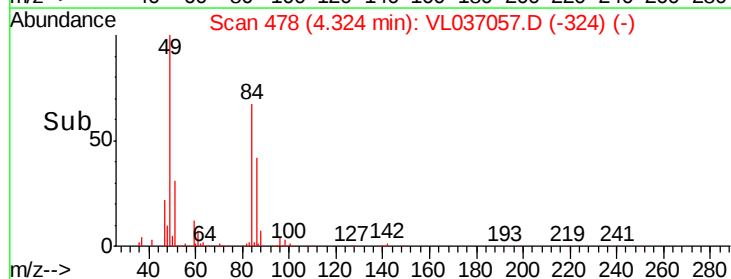
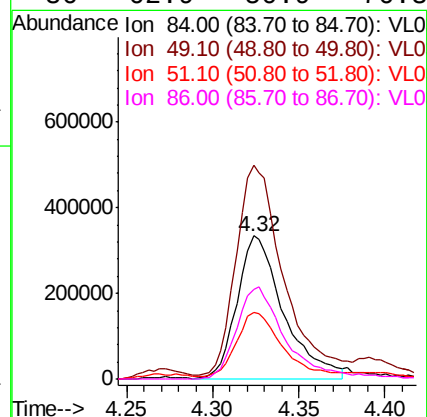
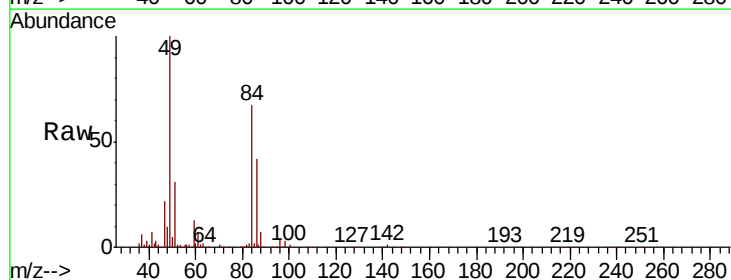
Ion Ratio Lower Upper

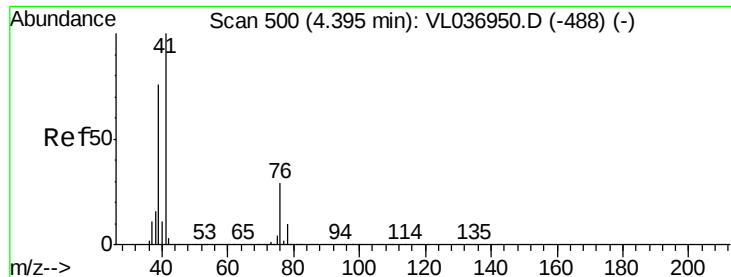
84 100

49 147.0 119.8 179.6

51 44.3 35.1 52.7

86 62.9 50.9 76.3





#21

Allvl Chloride

Concen: 11.445 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

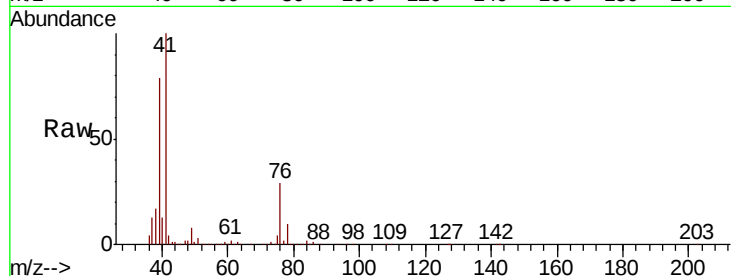
Tot Ion: 41 Resp: 1035165

Ion Ratio Lower Upper

41 100

76 31.7 24.9 37.3

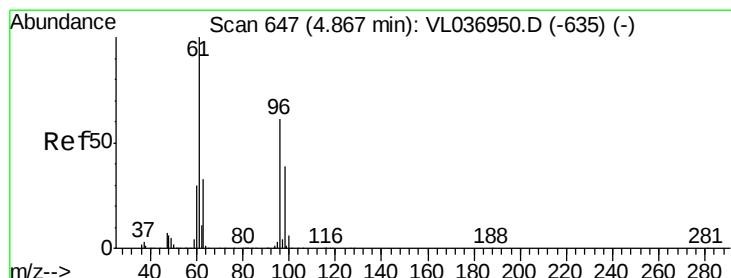
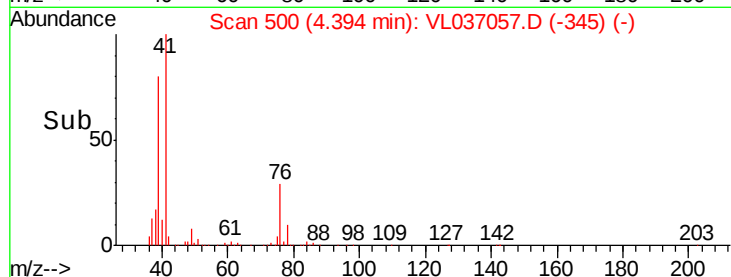
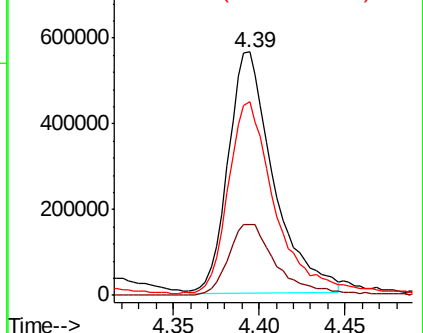
39 82.8 63.7 95.5



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: 12.817 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

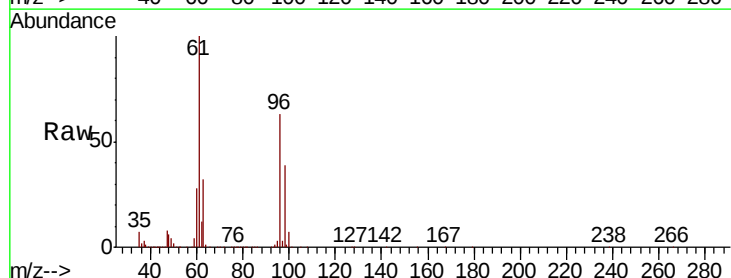
Tgt Ion: 96 Resp: 743677

Ion Ratio Lower Upper

96 100

61 157.5 130.6 196.0

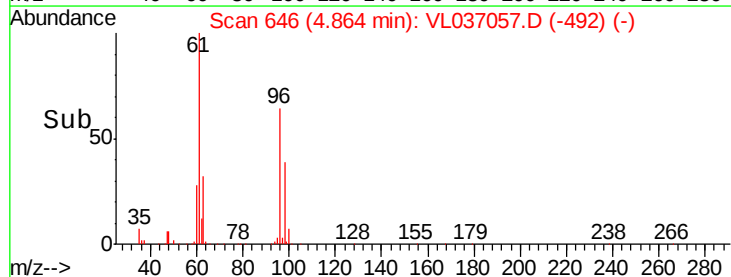
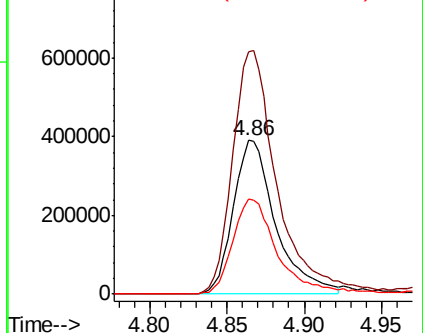
98 61.7 50.8 76.2

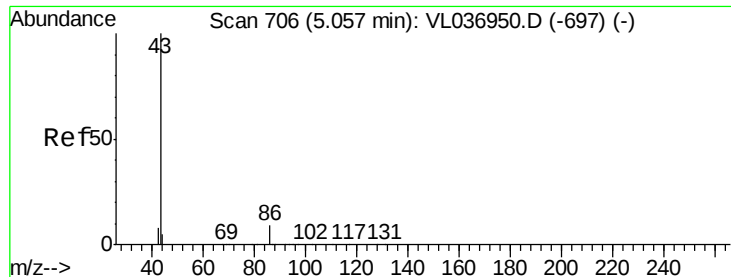


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



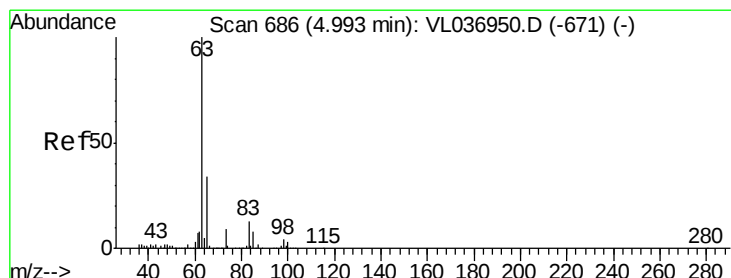
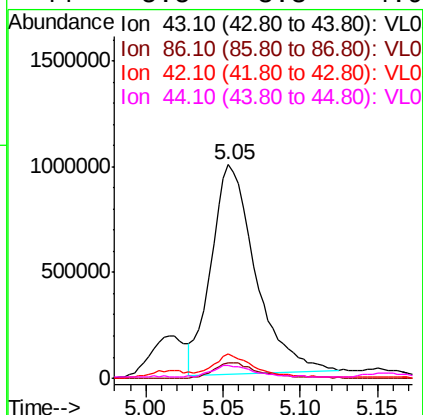
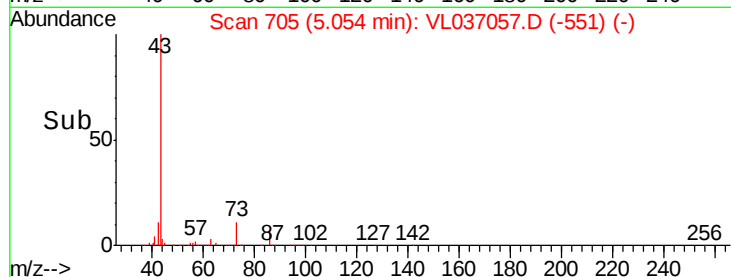
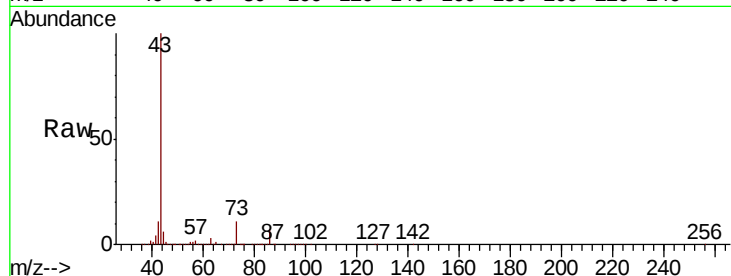


#23
 Vinyl Acetate
 Concen: 10.348 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tot Ion: 43 Resp: 1969224

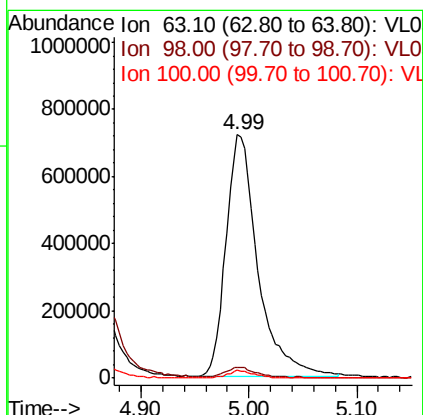
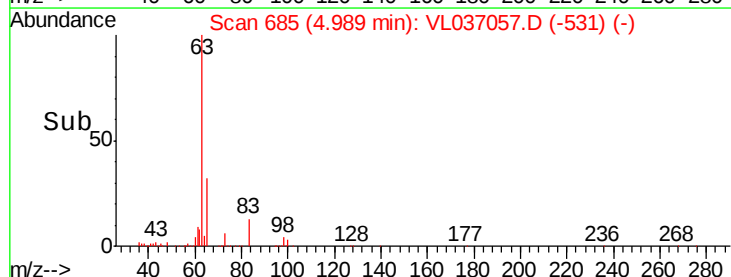
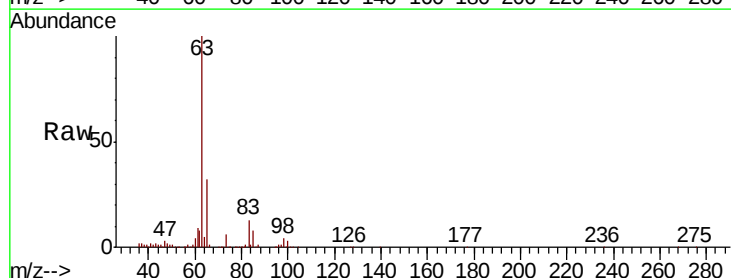
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	11.0	7.4	11.2
44	5.5	3.3	4.9#

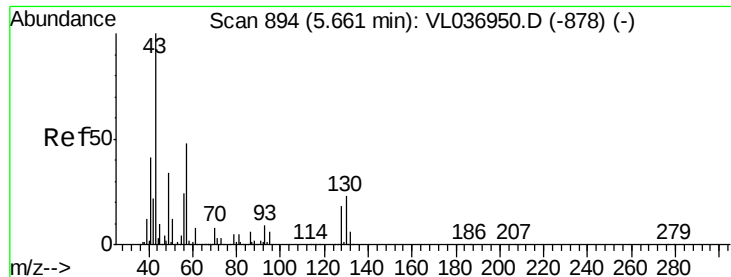


#24
 1,1-Dichloroethane
 Concen: 10.918 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 63 Resp: 1495536

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.9
100	3.1	1.4	4.0





#25

Ethyl Acetate

Concen: 11.228 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

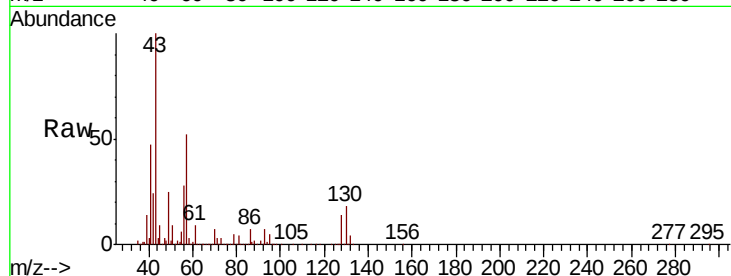
MSVOA_L

ClientSampleId :

VL0525ABS01

Tot Ion: 43 Resp: 3234937

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.3	7.8	11.8
70	7.0	5.6	8.4



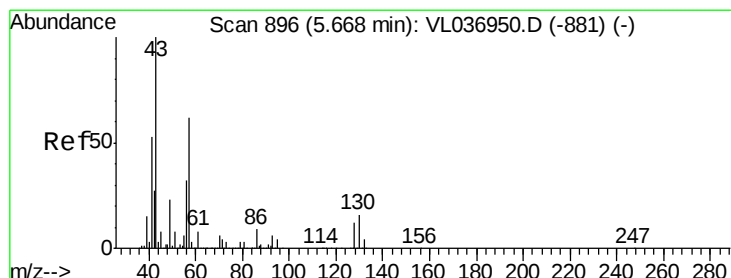
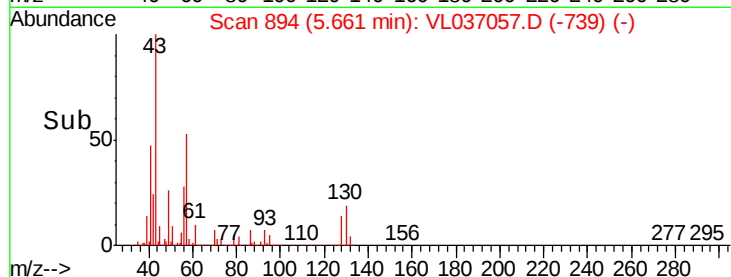
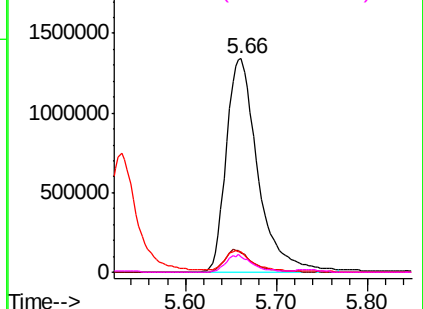
Abundance

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: 10.706 ppbv

RT: 5.66 min Scan# 895

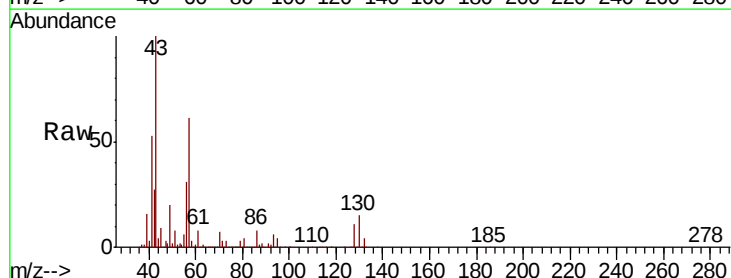
Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion: 57 Resp: 1575813

Ion	Ratio	Lower	Upper
57	100		
41	92.0	70.5	105.7
43	207.5	165.8	248.8
56	53.2	42.2	63.4



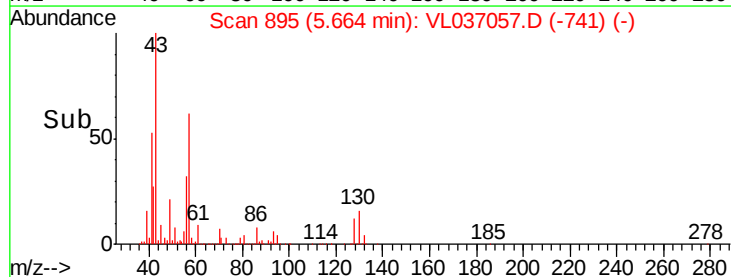
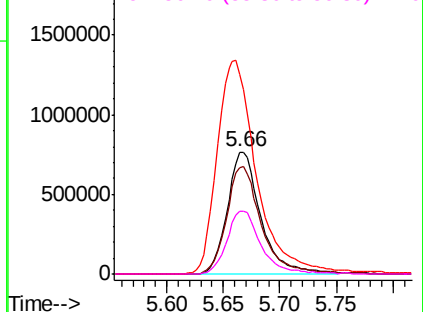
Abundance

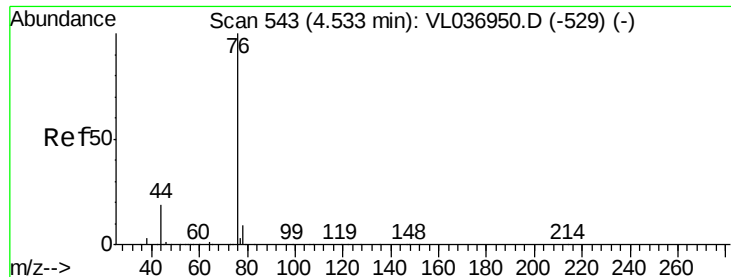
Ion 57.10 (56.80 to 57.80): VL0

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: 11.654 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

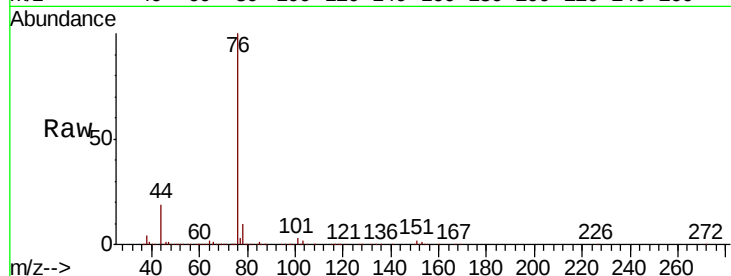
Tot Ion: 76 Resp: 1728784

Ion Ratio Lower Upper

76 100

44 19.4 15.5 23.3

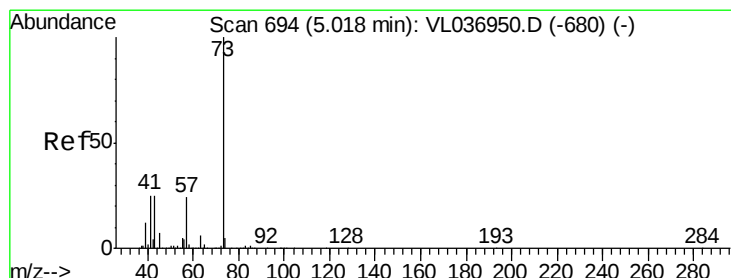
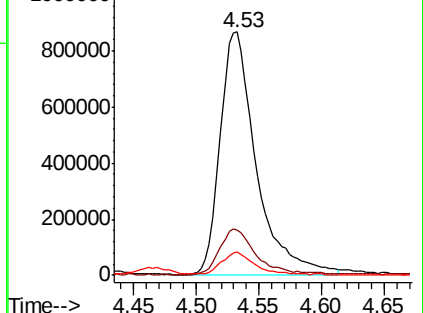
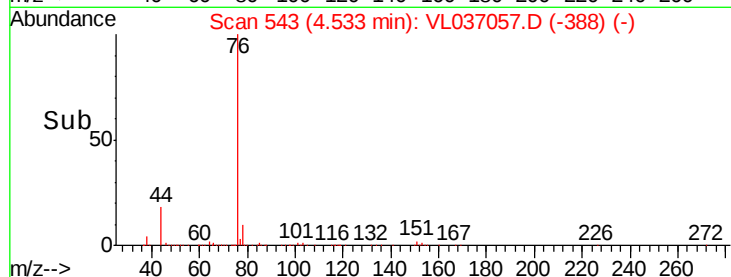
78 9.2 7.8 11.6



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: 9.544 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037057.D

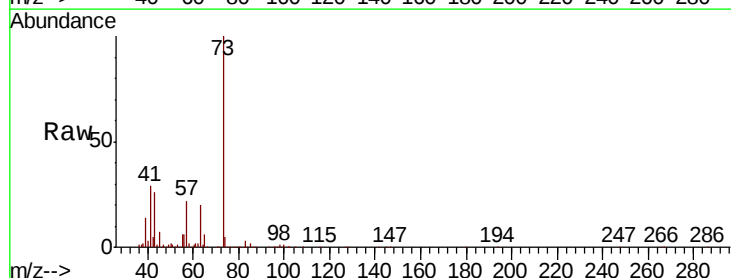
Acq: 25 May 2021 11:29

Tgt Ion: 73 Resp: 1683840

Ion Ratio Lower Upper

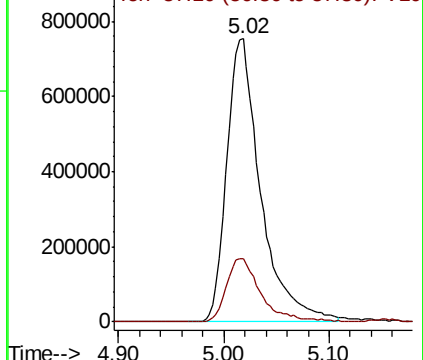
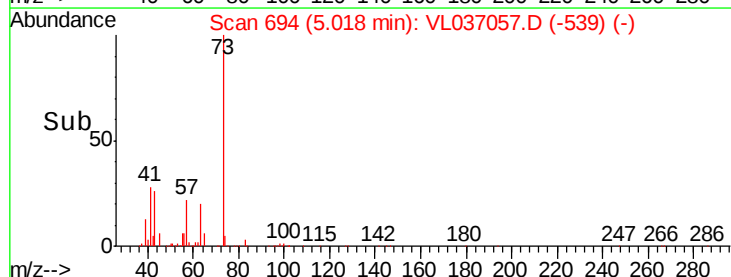
73 100

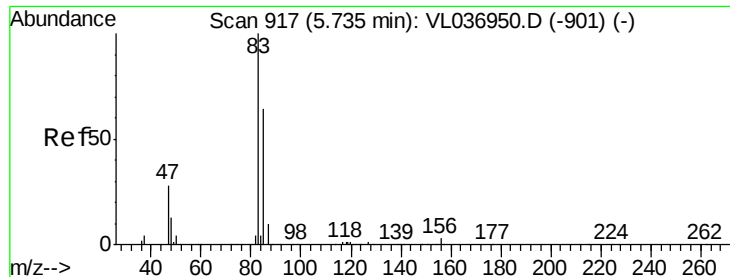
57 22.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 12.131 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

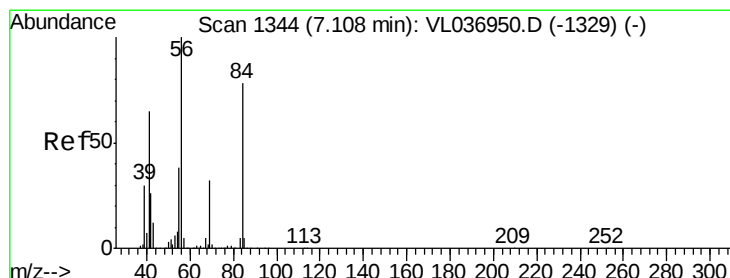
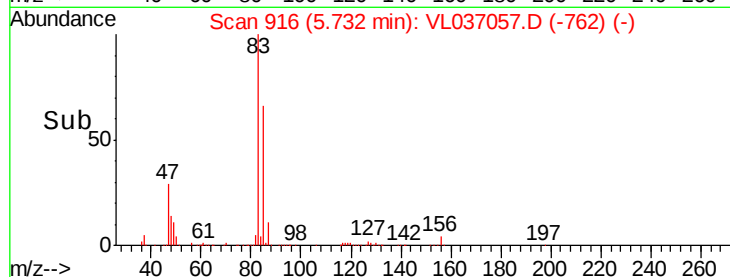
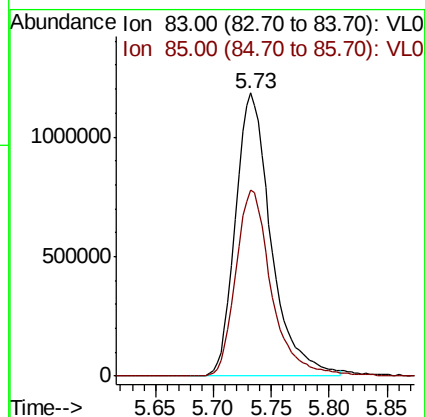
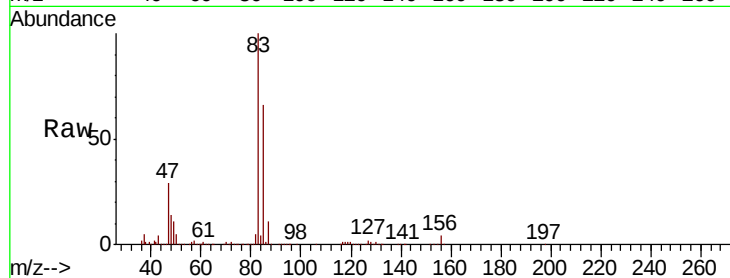
VL0525ABS01

Tot Ion: 83 Resp: 2522585

Ion Ratio Lower Upper

83 100

85 65.5 51.1 76.7



#30

Cyclohexane

Concen: 11.003 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

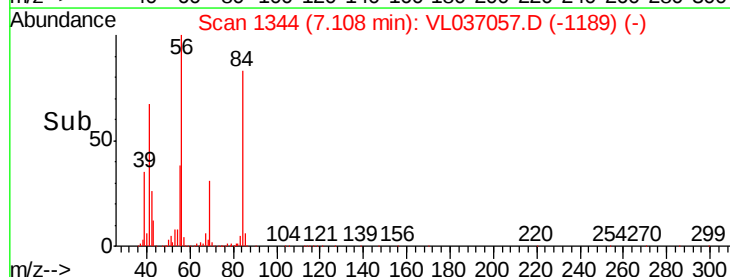
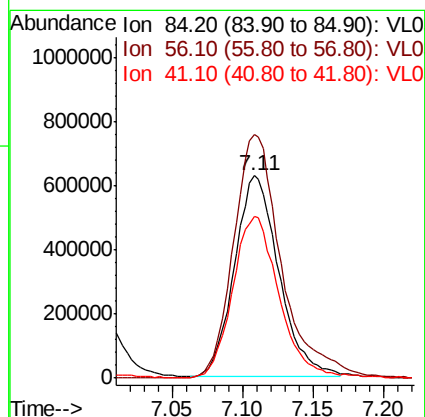
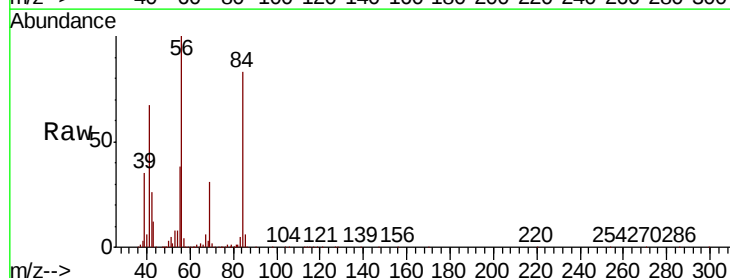
Tgt Ion: 84 Resp: 1376229

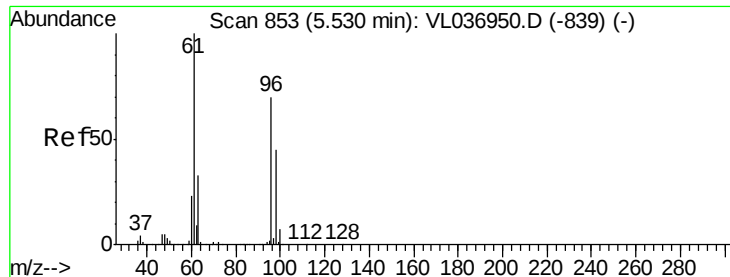
Ion Ratio Lower Upper

84 100

56 132.7 107.9 161.9

41 85.2 65.5 98.3



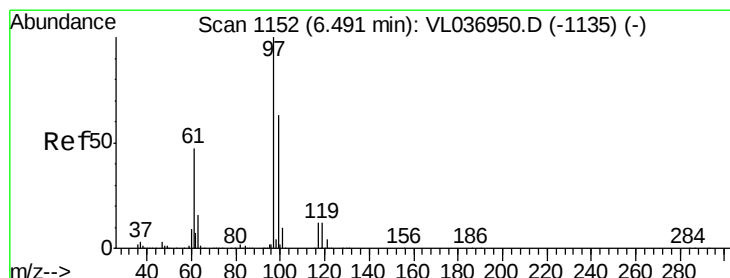
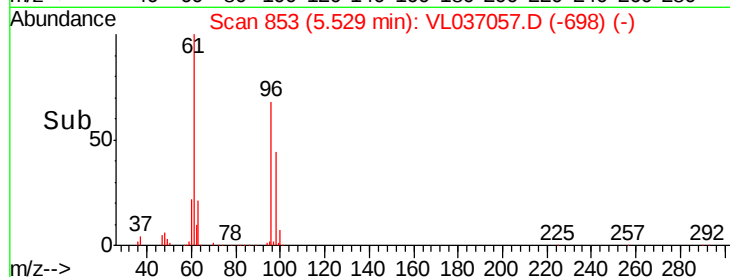
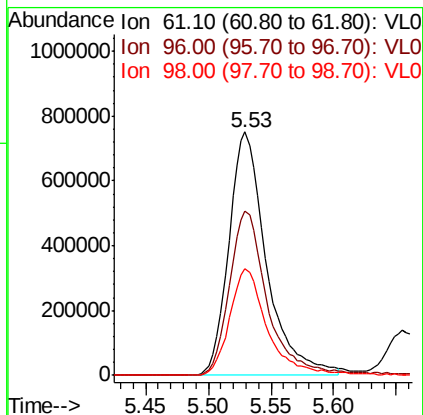
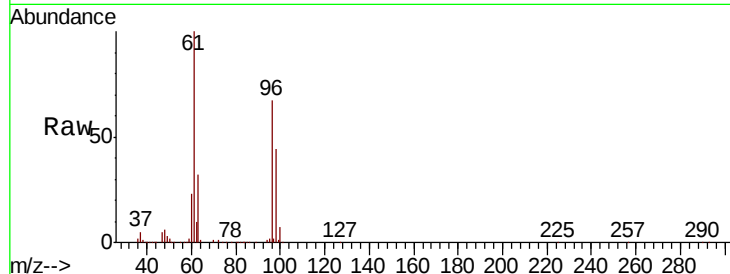


#31

cis-1,2-Dichloroethene
 Concen: 11.801 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

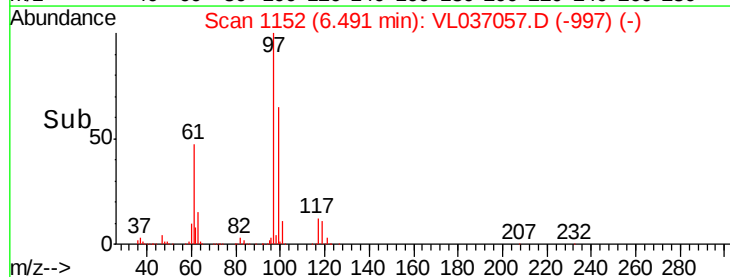
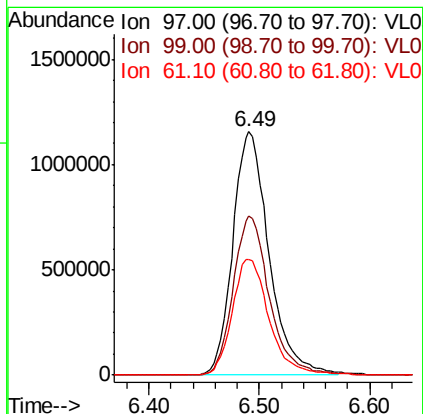
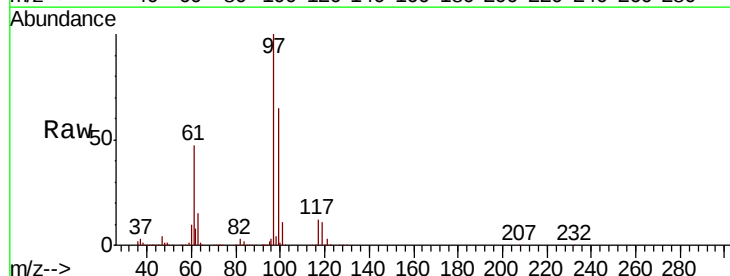
Tot Ion: 61 Resp: 1557250
 Ion Ratio Lower Upper
 61 100
 96 67.3 55.9 83.9
 98 43.9 35.6 53.4

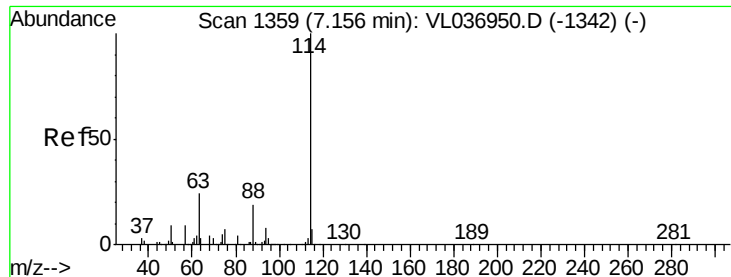


#32

1,1,1-Trichloroethane
 Concen: 11.779 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 97 Resp: 2630207
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.9 77.9
 61 48.7 37.6 56.4

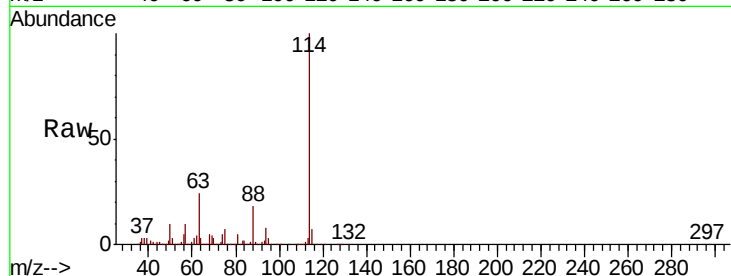




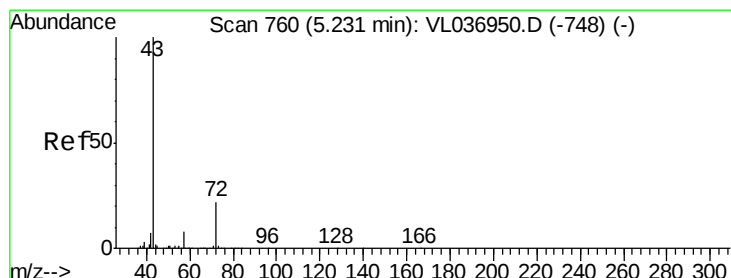
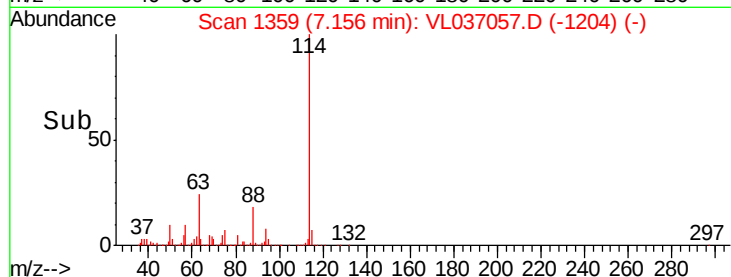
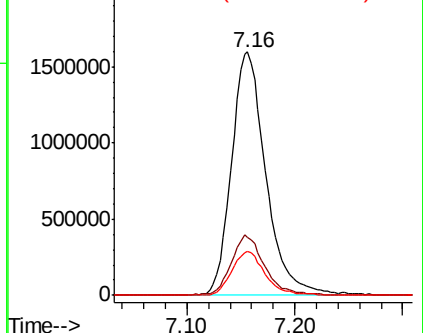
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tot Ion:114 Resp: 3538125
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 17.7 14.6 21.8

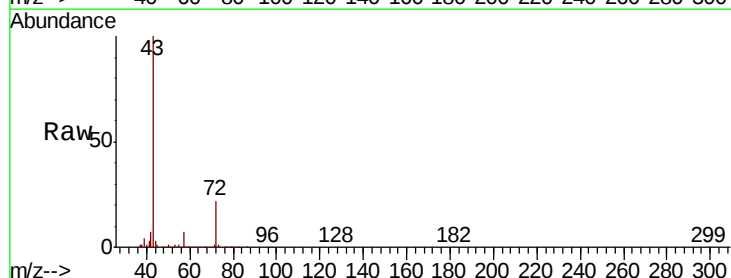


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

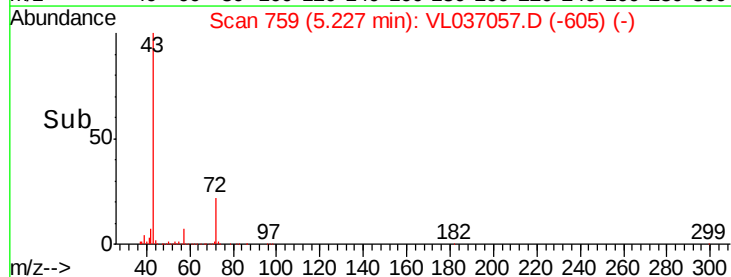
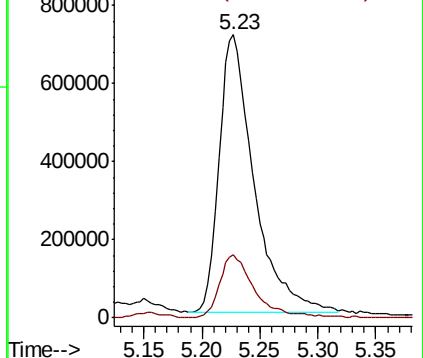


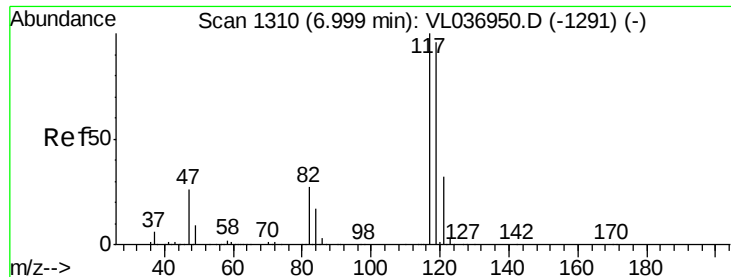
#34
 2-Butanone
 Concen: 11.655 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 43 Resp: 1501504
 Ion Ratio Lower Upper
 43 100
 72 22.8 19.0 28.4



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





#35

Carbon Tetrachloride

Concen: 12.019 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

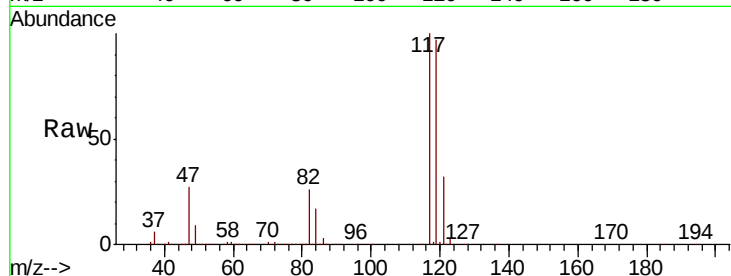
Tot Ion:117 Resp: 2825416

Ion Ratio Lower Upper

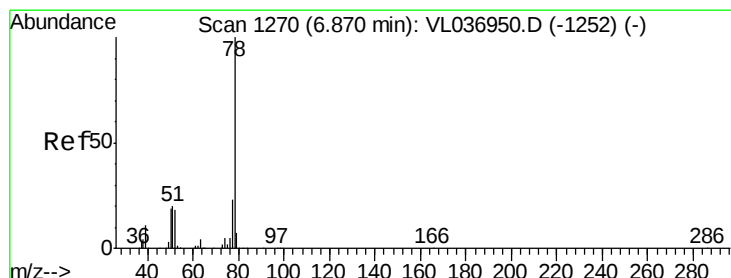
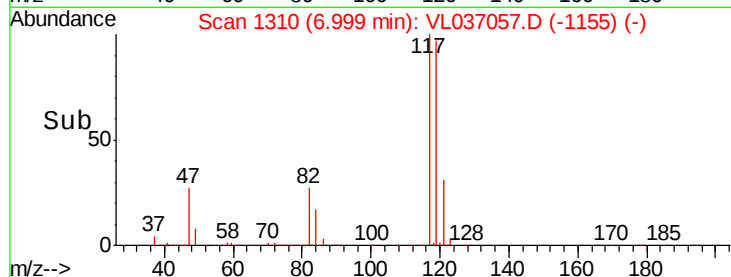
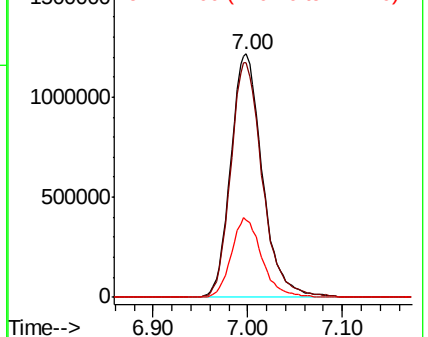
117 100

119 96.6 76.6 114.8

121 31.5 25.8 38.6



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: 10.740 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

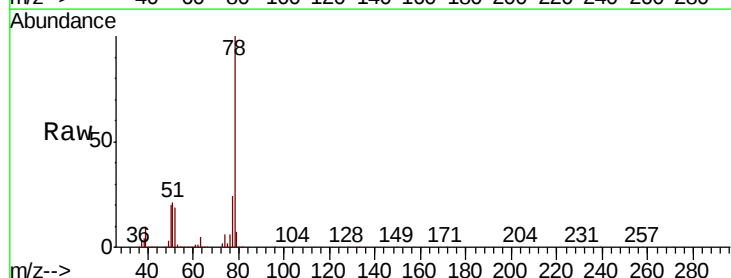
Tgt Ion: 78 Resp: 3273253

Ion Ratio Lower Upper

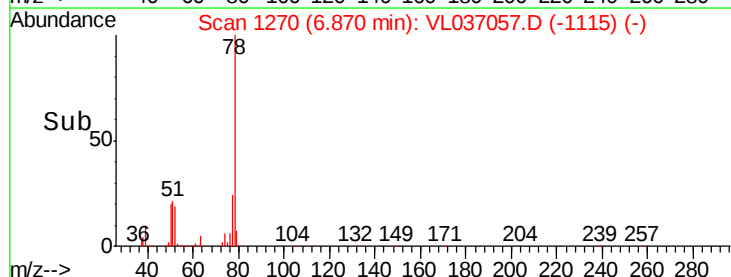
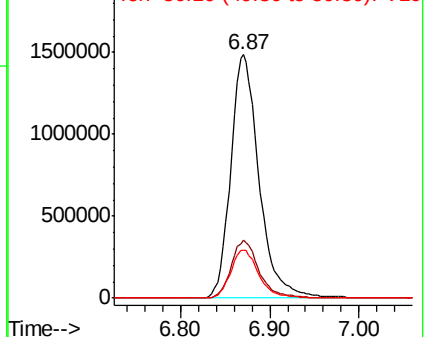
78 100

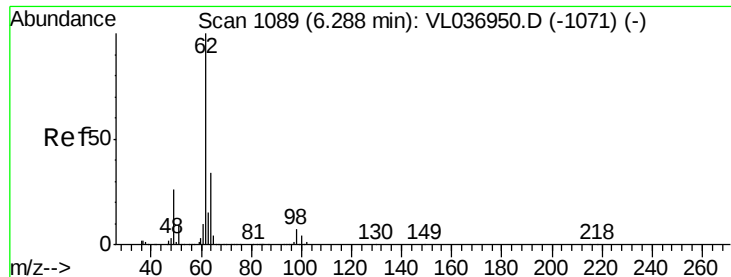
77 23.9 18.6 28.0

50 19.7 15.0 22.4



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: 12.756 ppbv

RT: 6.29 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

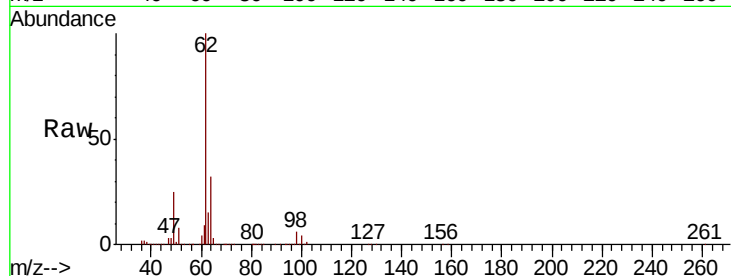
VL0525ABS01

Tot Ion: 62 Resp: 1927343

Ion Ratio Lower Upper

62 100

98 6.5 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

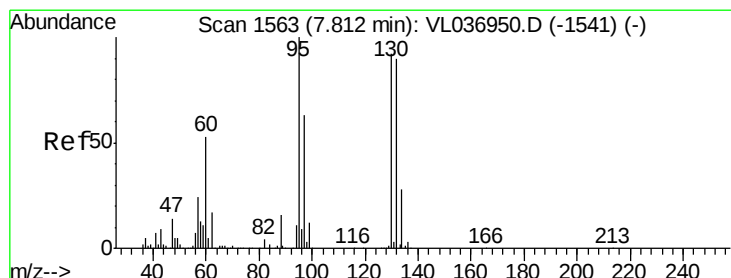
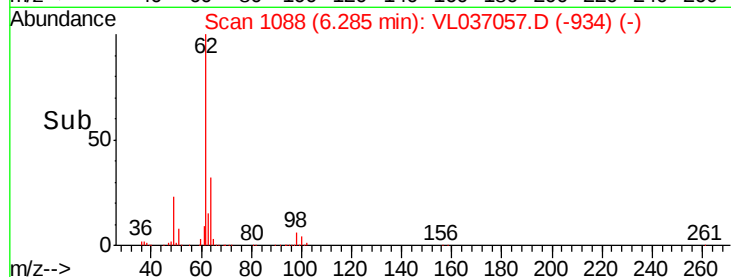
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.661 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion:130 Resp: 1389872

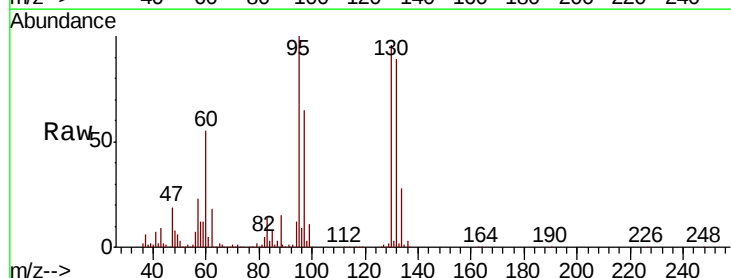
Ion Ratio Lower Upper

130 100

95 104.7 86.9 130.3

132 93.2 78.4 117.6

97 67.6 55.0 82.6



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

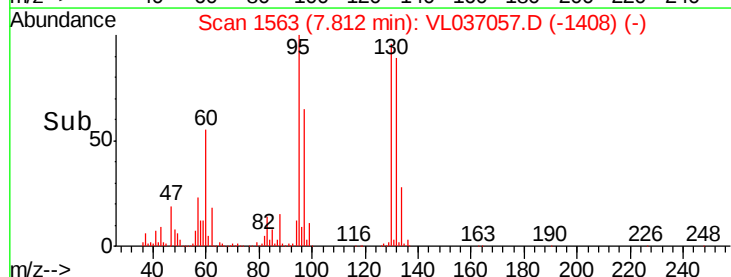
600000

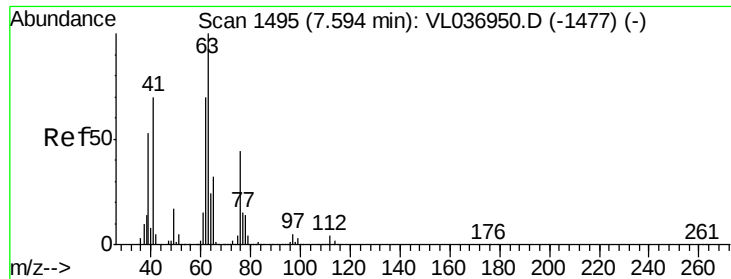
400000

200000

0

Time-->



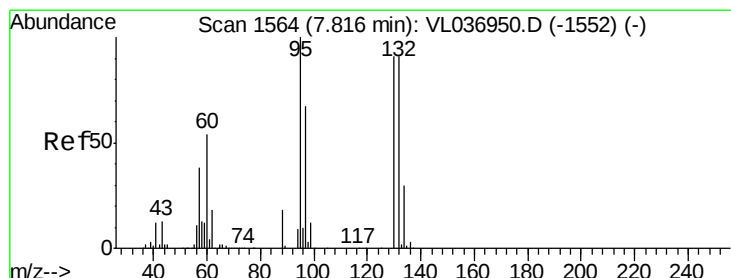
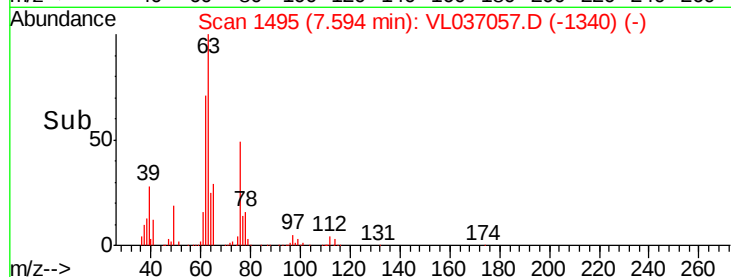
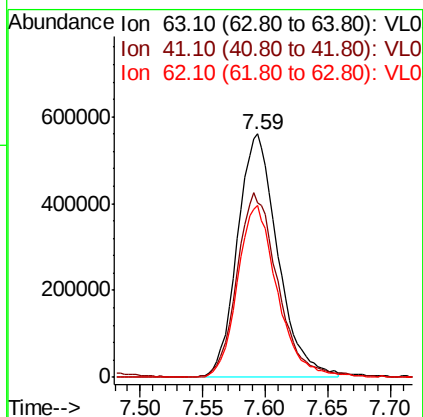
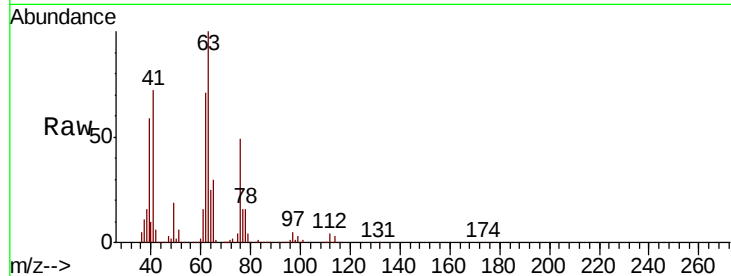


#39
 1,2-Dichloropropane
 Concen: 10.682 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tot Ion: 63 Resp: 1254068

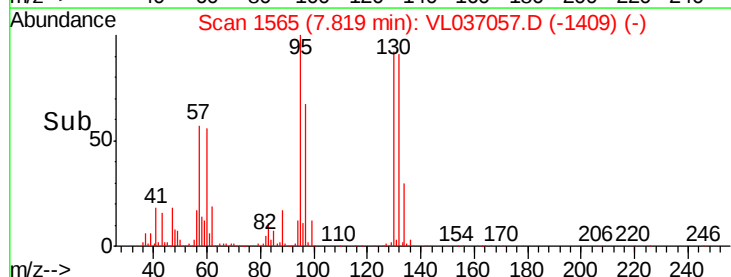
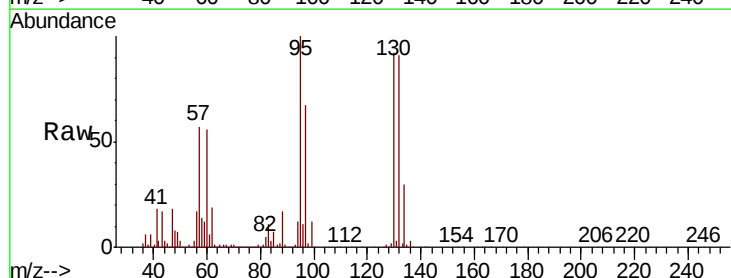
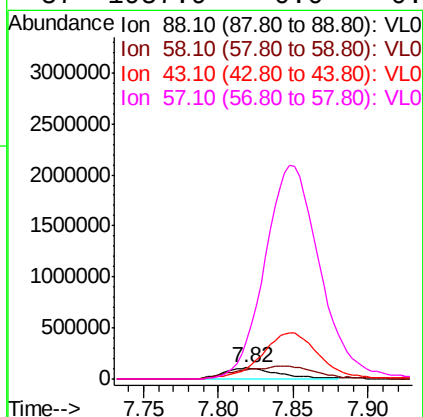
Ion	Ratio	Lower	Upper
63	100		
41	71.6	55.7	83.5
62	70.5	56.2	84.4

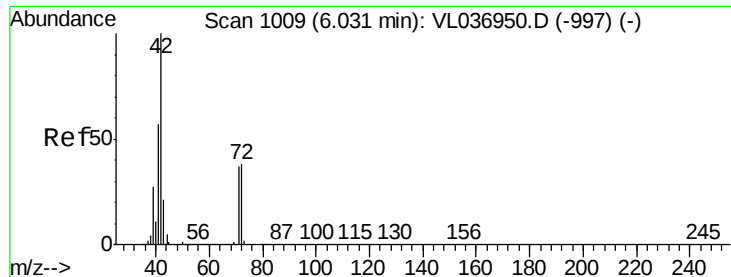


#40
 1,4-Dioxane
 Concen: 9.950 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 88 Resp: 275816

Ion	Ratio	Lower	Upper
88	100		
58	168.7	0.0	0.0#
43	439.1	0.0	0.0#
57	1957.9	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.088 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

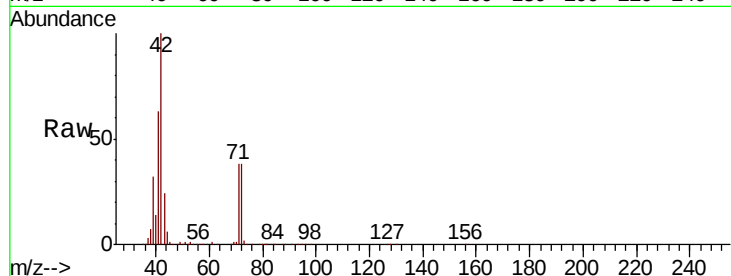
Tot Ion: 42 Resp: 740198

Ion Ratio Lower Upper

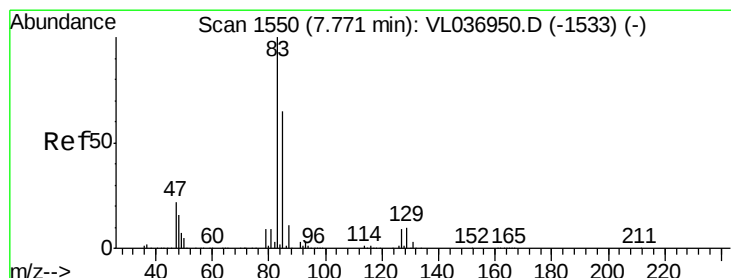
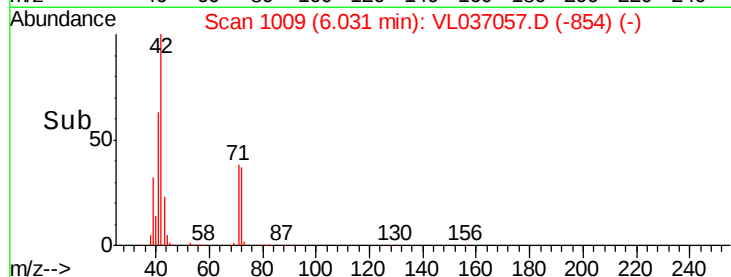
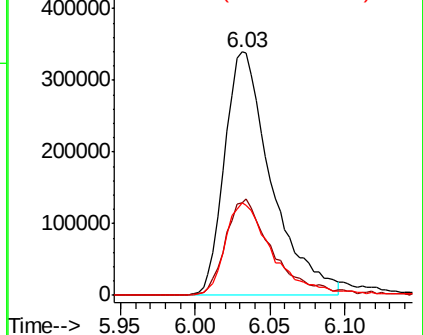
42 100

72 40.6 31.4 47.2

71 39.6 30.4 45.6



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: 11.916 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

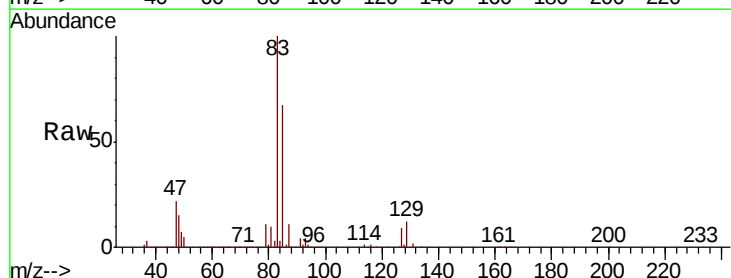
Tgt Ion: 83 Resp: 2723887

Ion Ratio Lower Upper

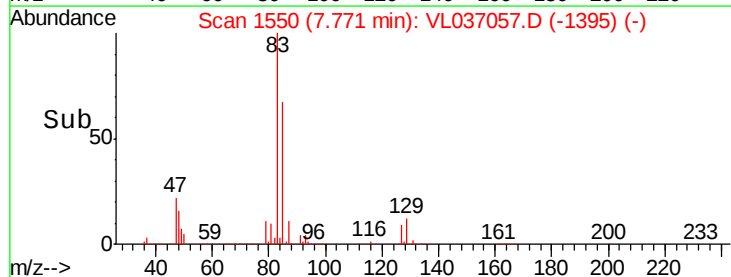
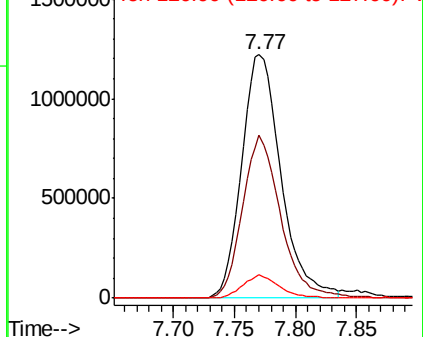
83 100

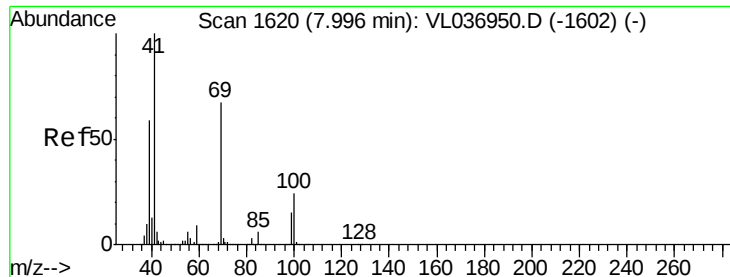
85 66.8 51.7 77.5

127 9.4 6.9 10.3



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: 11.270 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

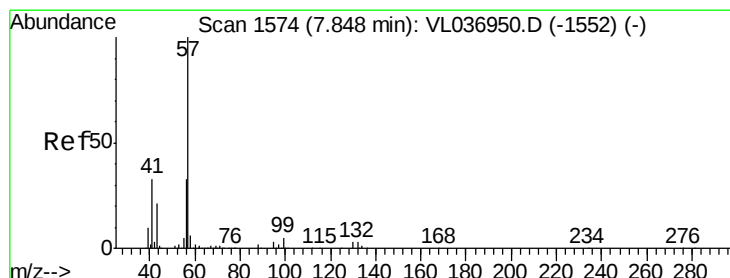
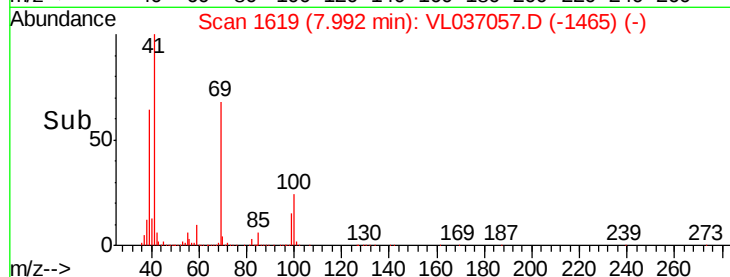
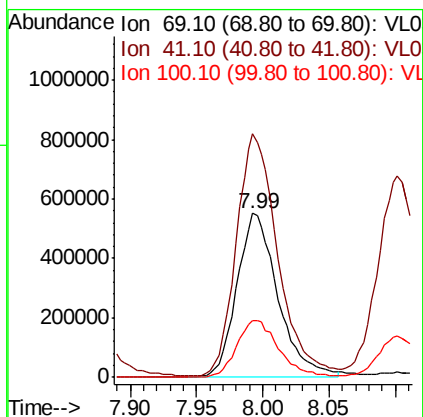
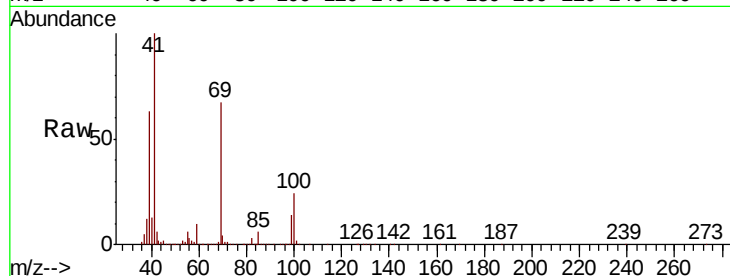
Tot Ion: 69 Resp: 1183812

Ion Ratio Lower Upper

69 100

41 151.4 118.6 178.0

100 35.9 28.2 42.4



#44

2,2,4-Trimethylpentane

Concen: 10.317 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

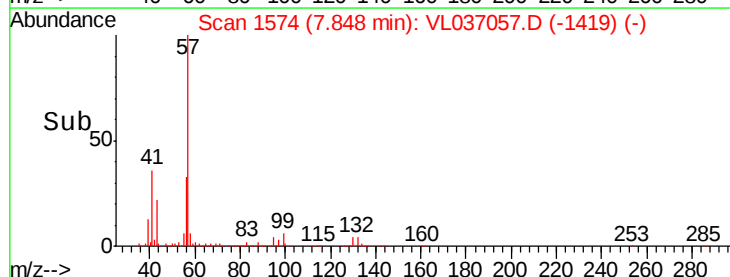
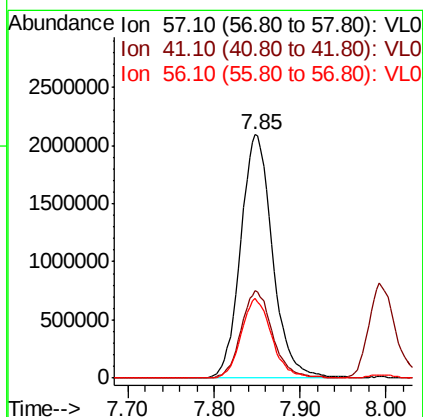
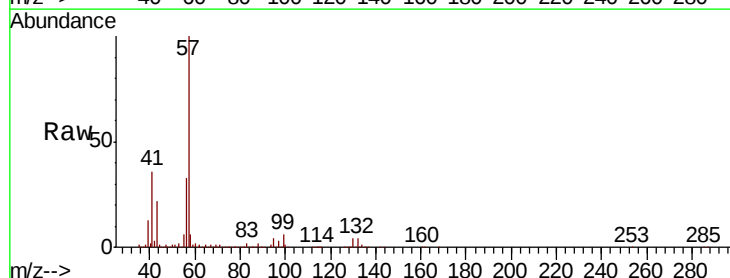
Tgt Ion: 57 Resp: 5394343

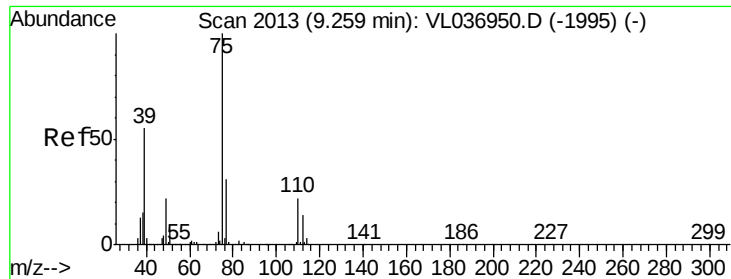
Ion Ratio Lower Upper

57 100

41 35.4 27.0 40.4

56 31.4 25.4 38.2

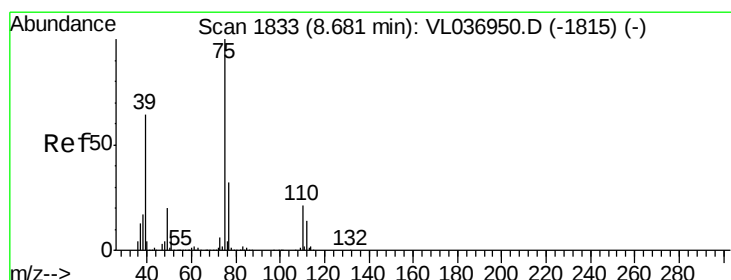
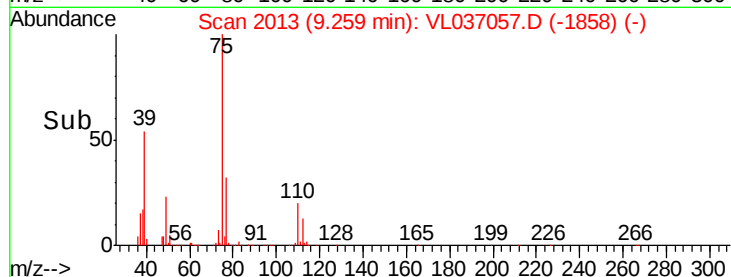
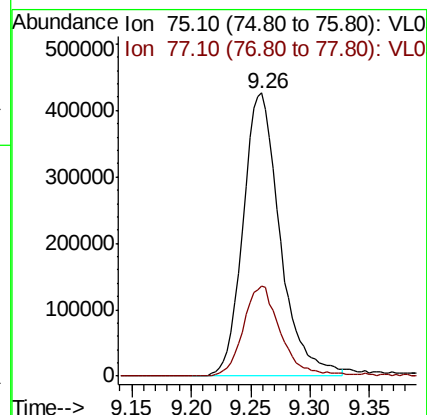
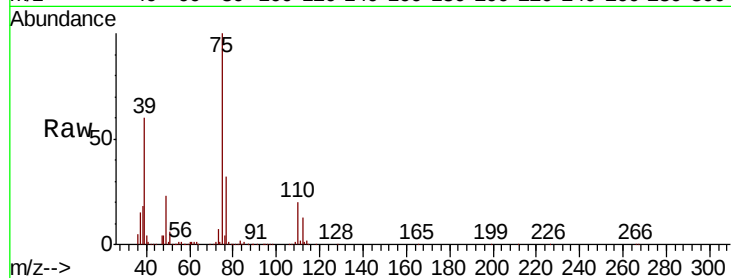




#45
 t-1,3-Dichloropropene
 Concen: 11.450 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

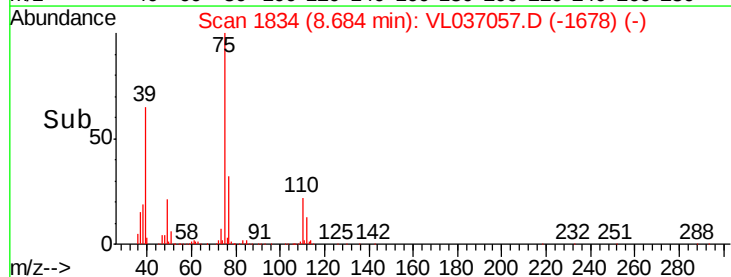
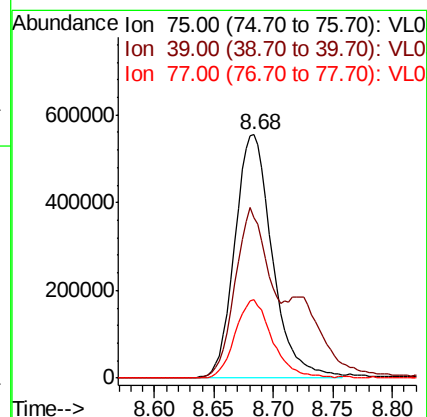
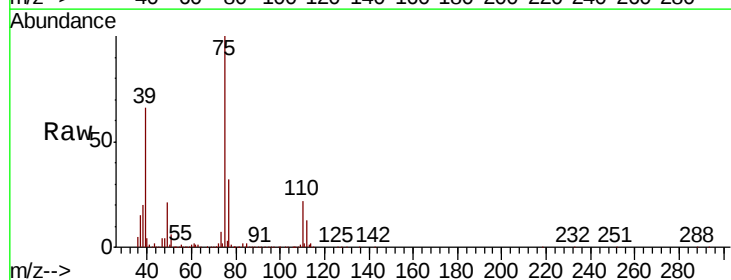
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

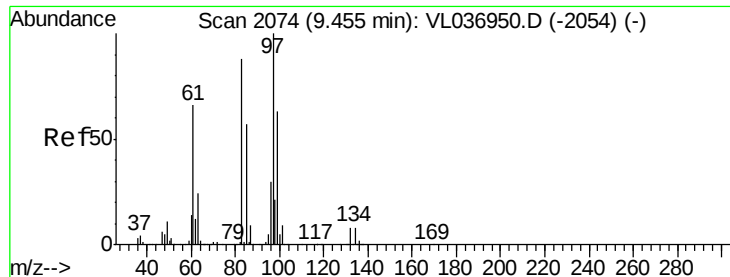
Tot Ion: 75 Resp: 918873
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.4 36.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.246 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 75 Resp: 1213848
 Ion Ratio Lower Upper
 75 100
 39 65.9 51.5 77.3
 77 32.0 25.9 38.9



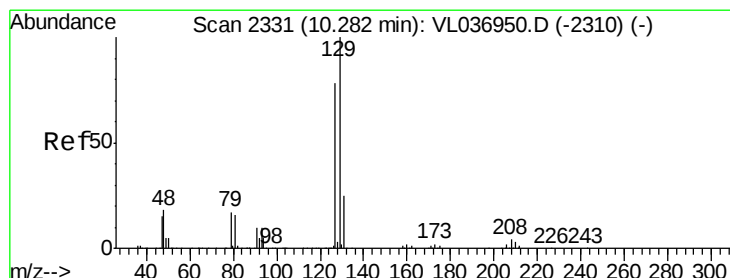
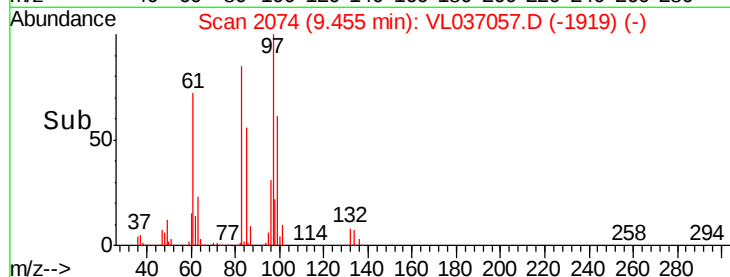
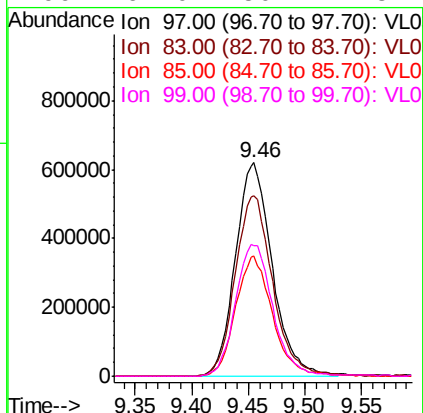
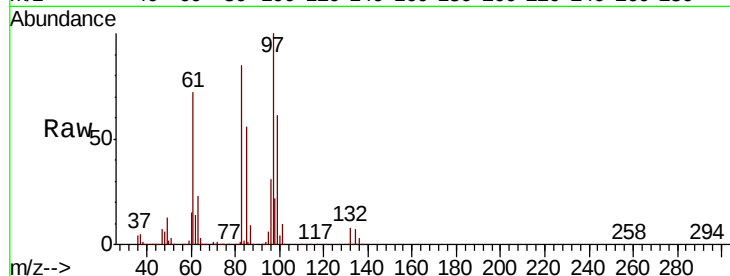


#47
 1,1,2-Trichloroethane
 Concen: 11.441 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tot Ion: 97 Resp: 1405750

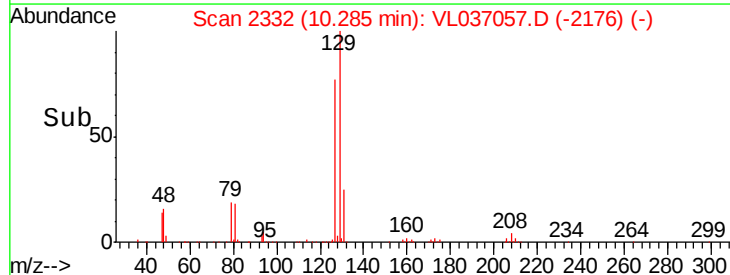
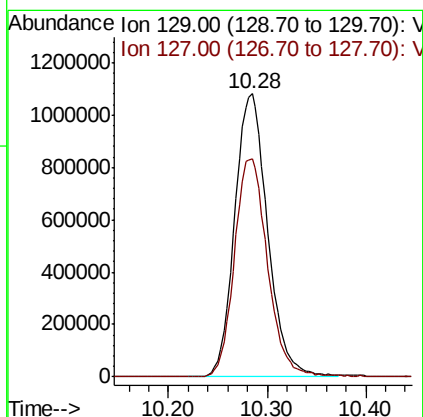
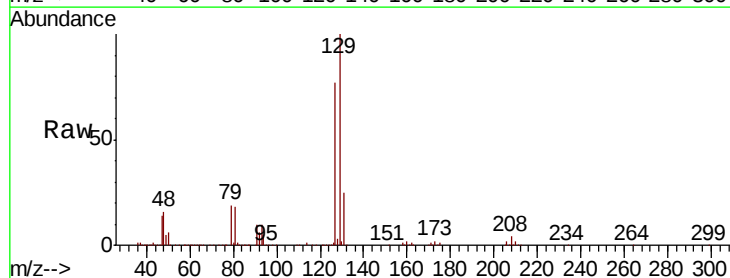
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.4	105.6
85	56.3	45.5	68.3
99	61.0	50.2	75.2

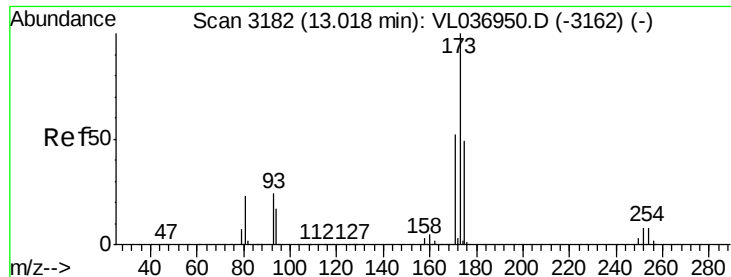


#48
 Dibromochloromethane
 Concen: 12.612 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 129 Resp: 2509204

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.3	117.8





#49

Bromoform

Concen: 12.571 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

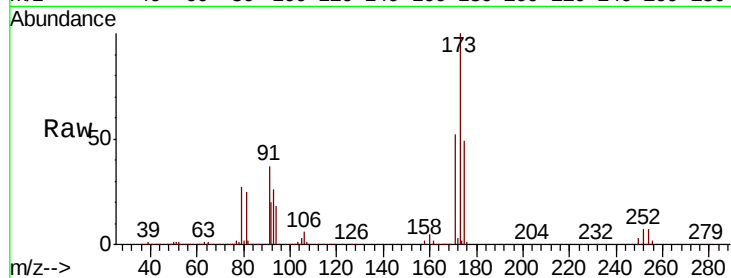
Tot Ion:173 Resp: 2065451

Ion Ratio Lower Upper

173 100

175 49.3 40.4 60.6

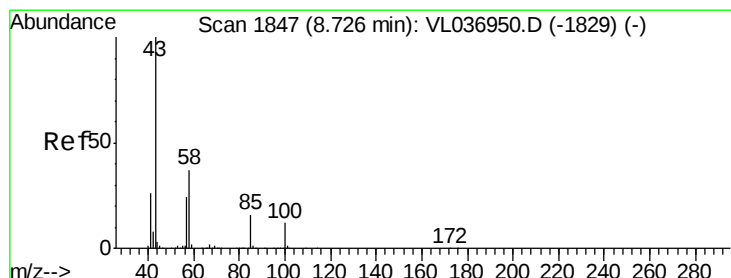
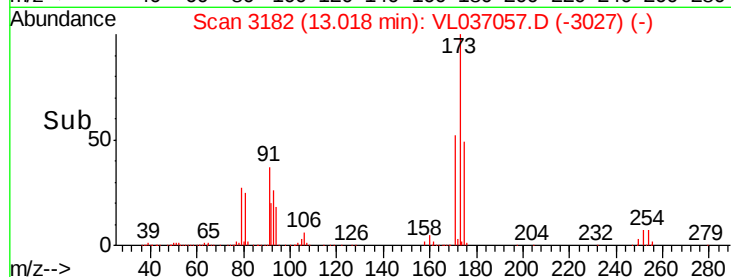
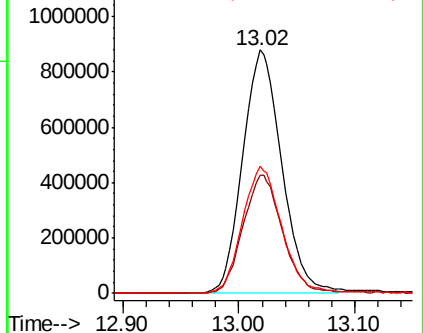
171 52.7 42.6 64.0



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: 11.107 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL037057.D

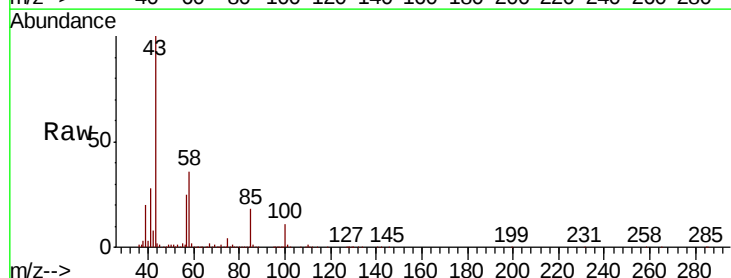
Acq: 25 May 2021 11:29

Tgt Ion: 43 Resp: 2361273

Ion Ratio Lower Upper

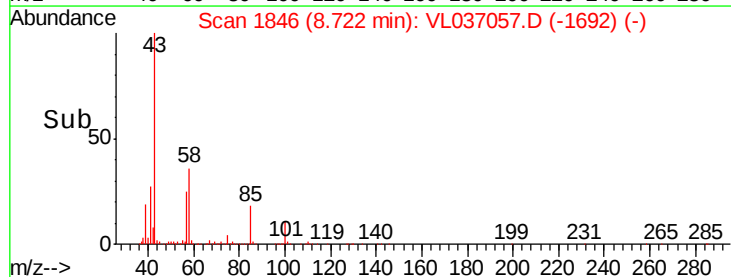
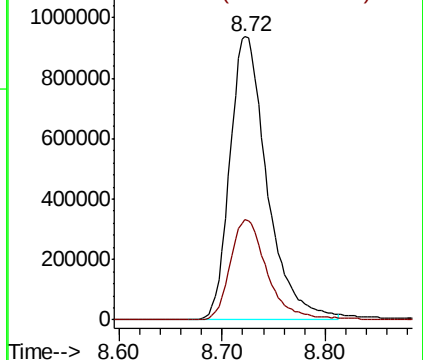
43 100

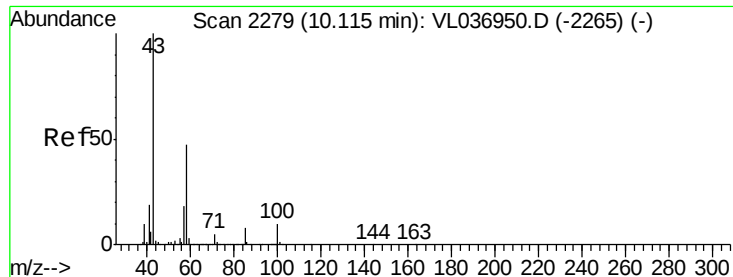
58 35.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

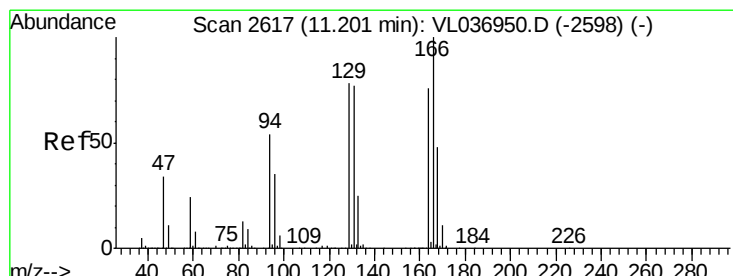
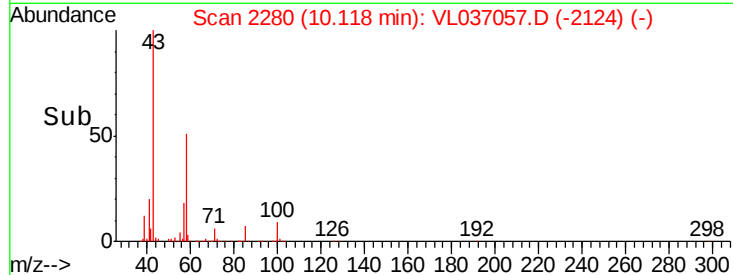
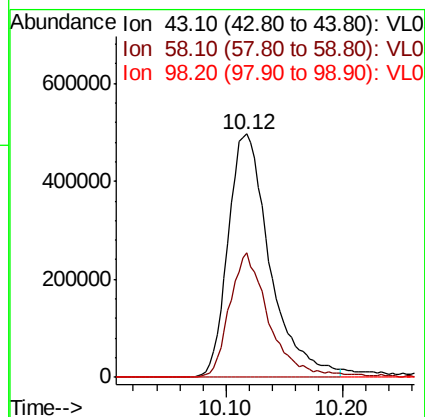
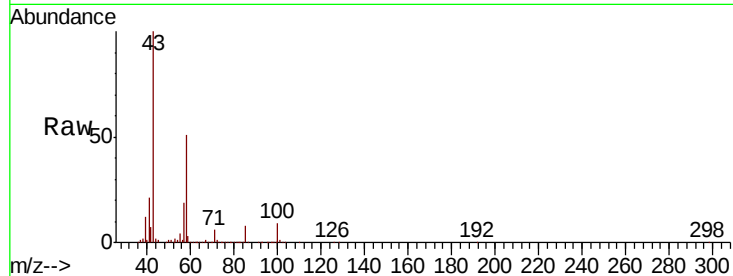




#51
2-Hexanone
Concen: 11.014 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

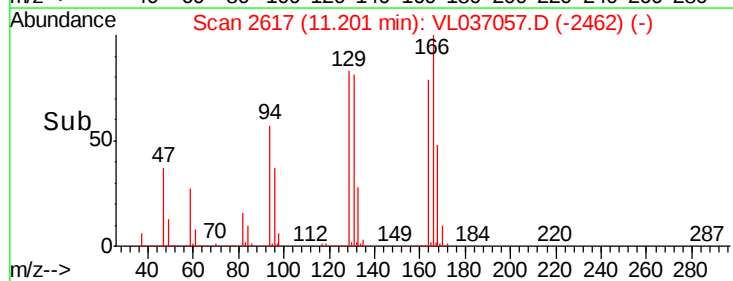
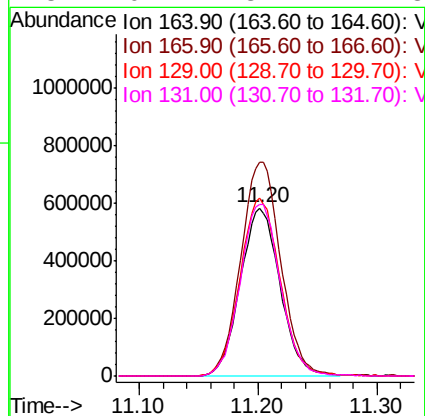
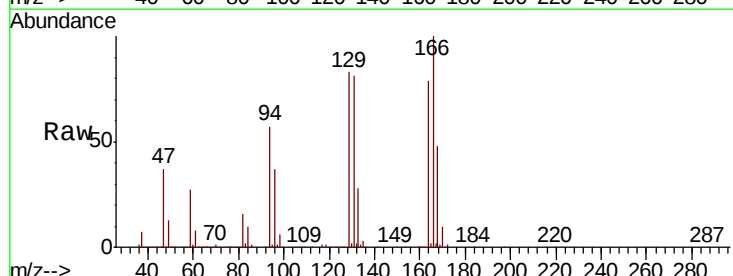
Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

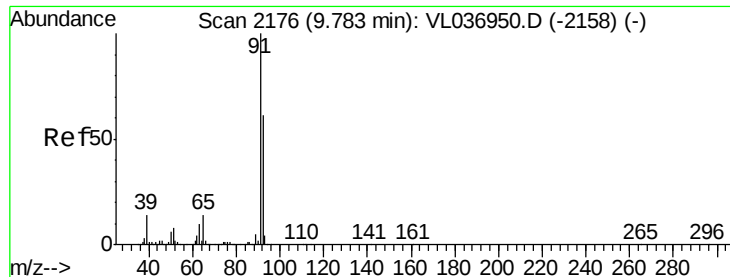
Tot Ion: 43 Resp: 1237893
Ion Ratio Lower Upper
43 100
58 48.9 41.1 61.7
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 11.100 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 164 Resp: 1345146
Ion Ratio Lower Upper
164 100
166 126.9 105.5 158.3
129 105.7 81.8 122.8
131 102.4 81.2 121.8





#53

Toluene

Concen: 10.813 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

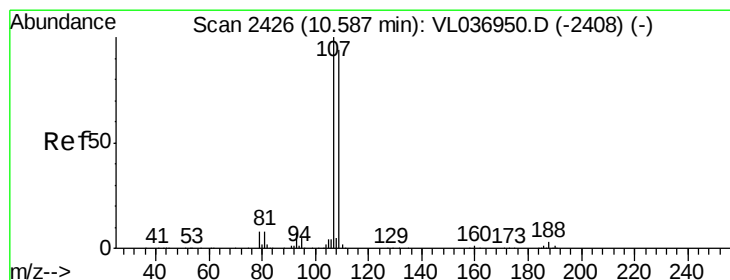
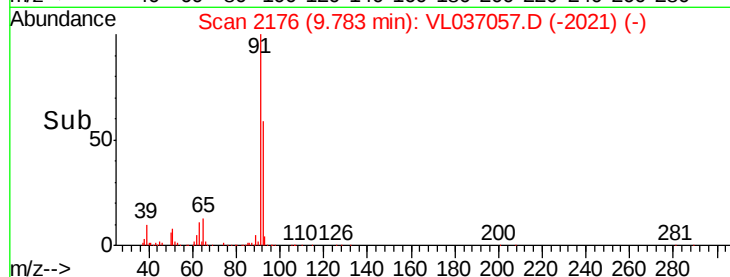
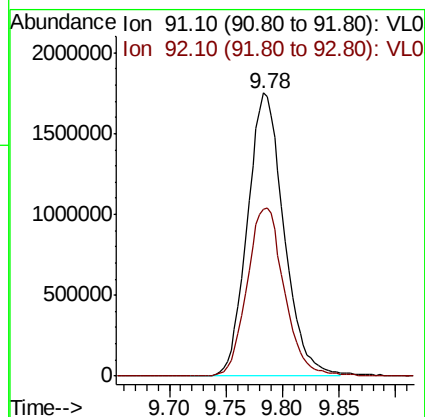
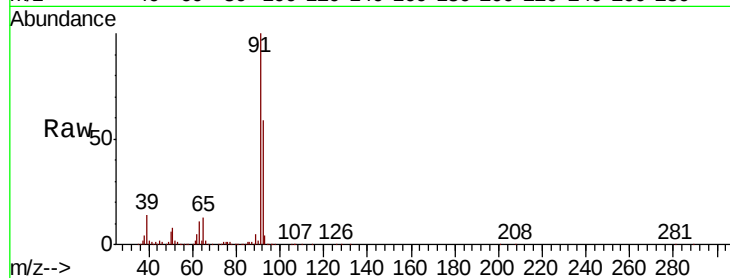
VL0525ABS01

Tot Ion: 91 Resp: 3920935

Ion Ratio Lower Upper

91 100

92 61.2 49.5 74.3



#54

1,2-Dibromoethane

Concen: 11.811 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037057.D

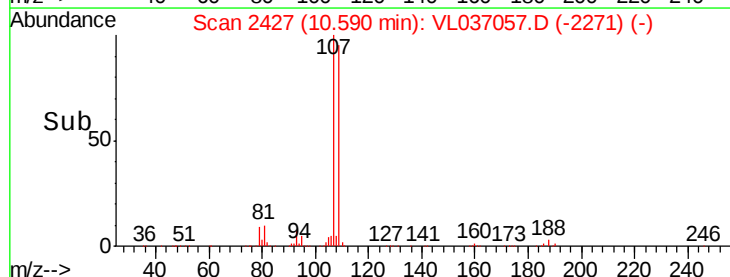
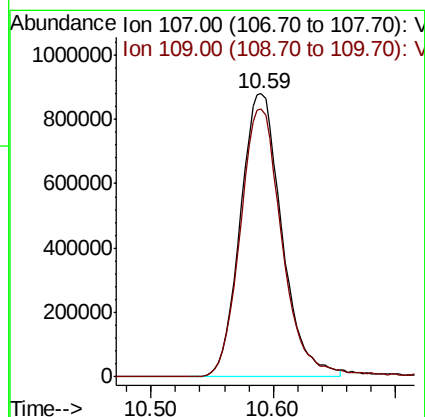
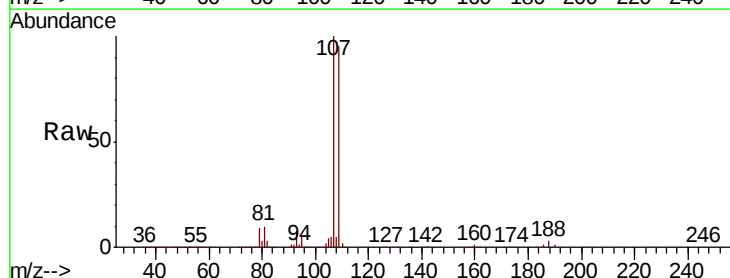
Acq: 25 May 2021 11:29

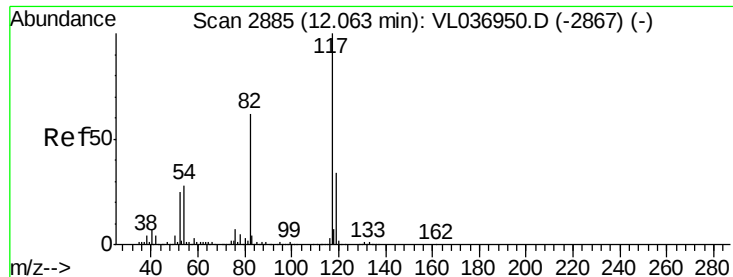
Tgt Ion: 107 Resp: 2063327

Ion Ratio Lower Upper

107 100

109 94.8 75.0 112.4

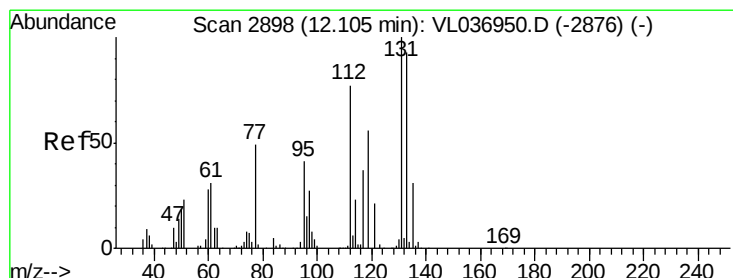
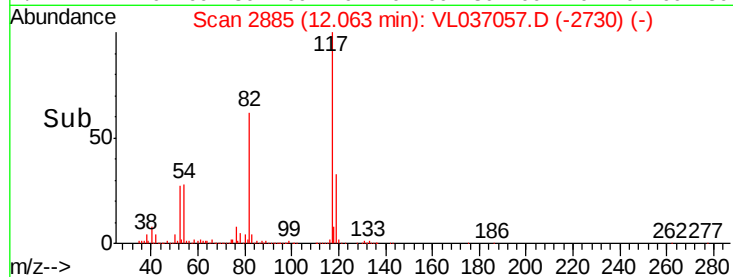
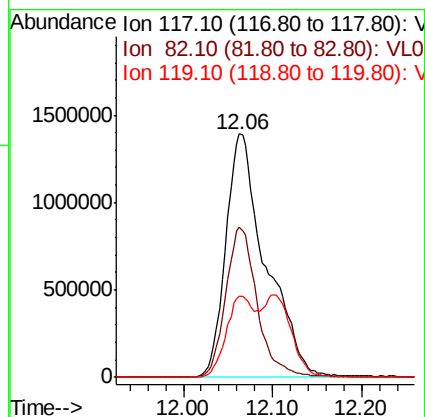
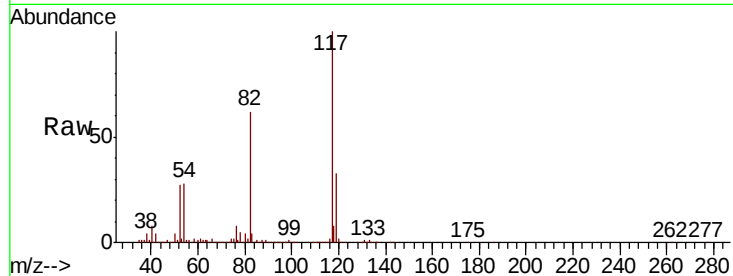




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

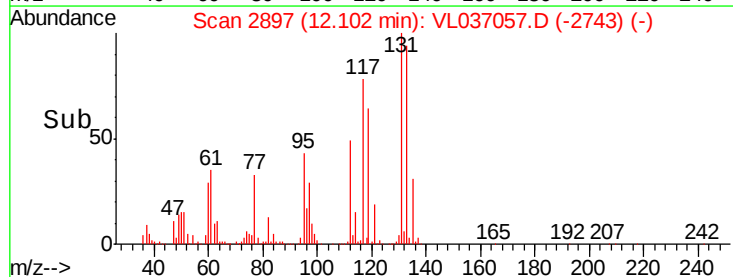
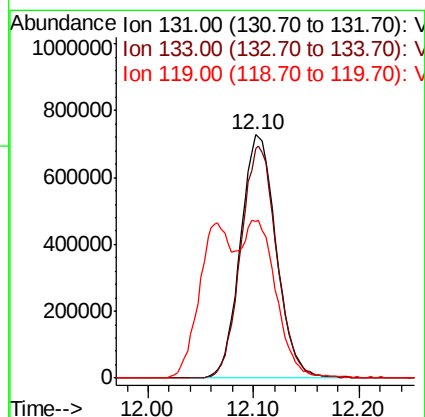
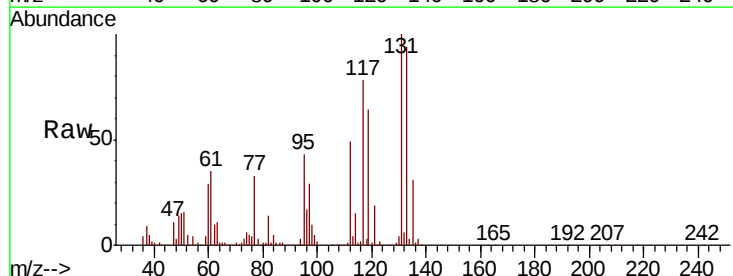
Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

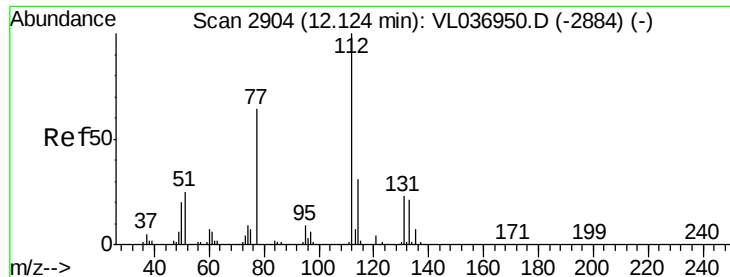
Tot Ion:117 Resp: 4330960
Ion Ratio Lower Upper
117 100
82 49.0 52.6 79.0#
119 23.3 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.429 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion:131 Resp: 1718360
Ion Ratio Lower Upper
131 100
133 95.8 76.9 115.3
119 59.6 120.2 180.4#

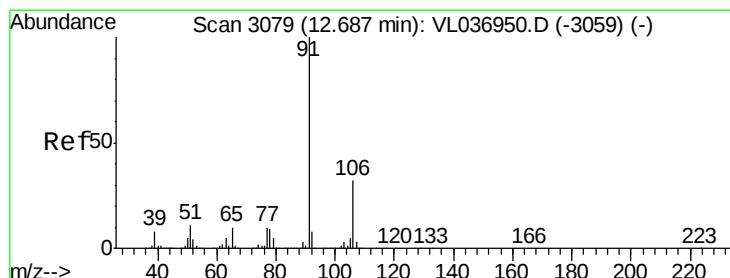
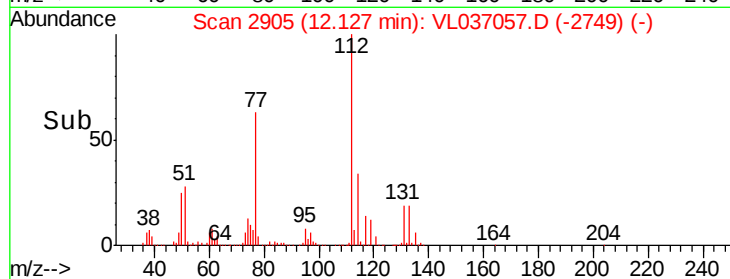
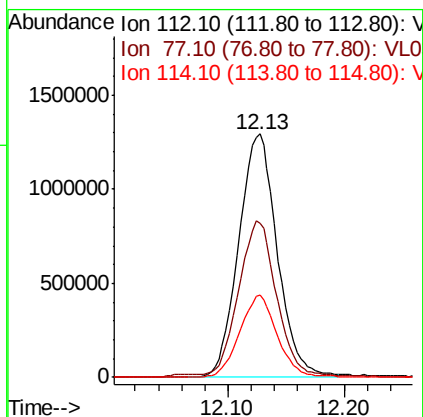
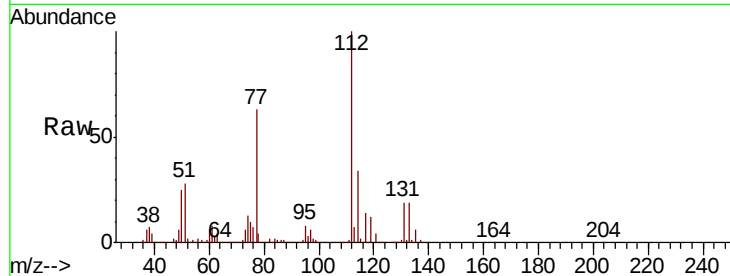




#57
Chlorobenzene
Concen: 8.897 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

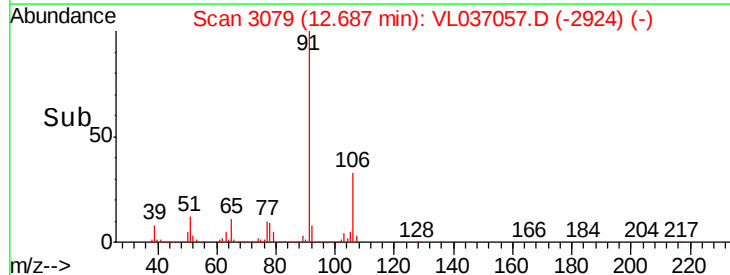
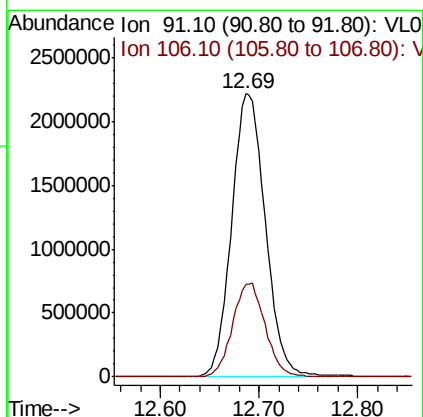
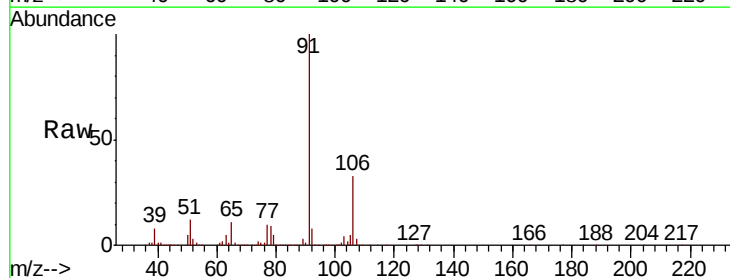
Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

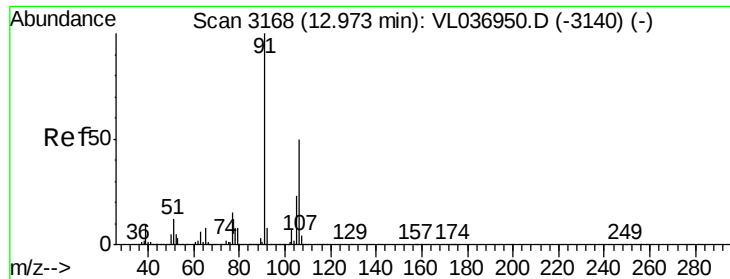
Tot Ion:112 Resp: 2987693
Ion Ratio Lower Upper
112 100
77 62.5 51.0 76.6
114 34.0 28.3 34.5



#58
Ethyl Benzene
Concen: 8.603 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 5258944
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4

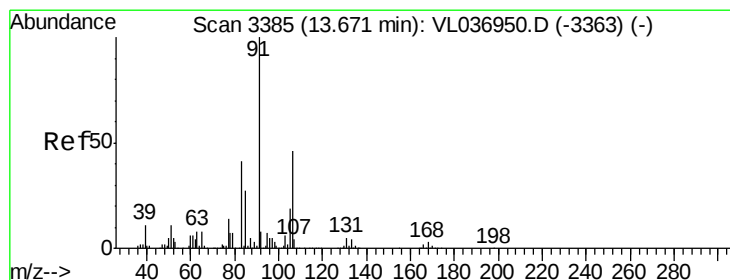
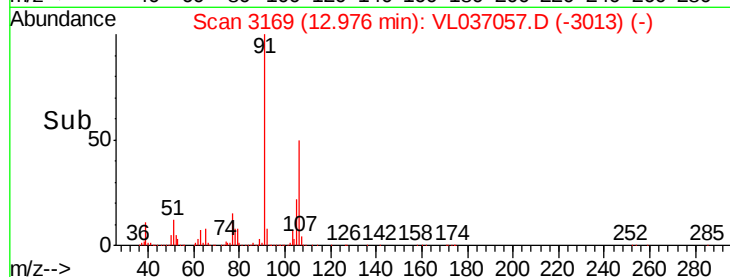
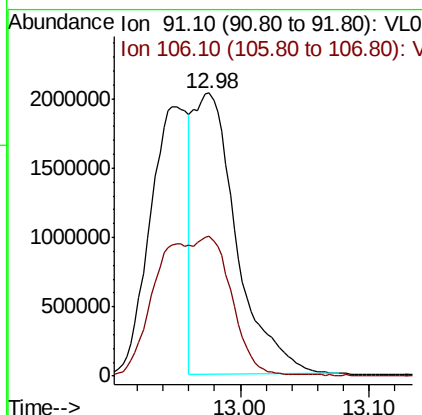
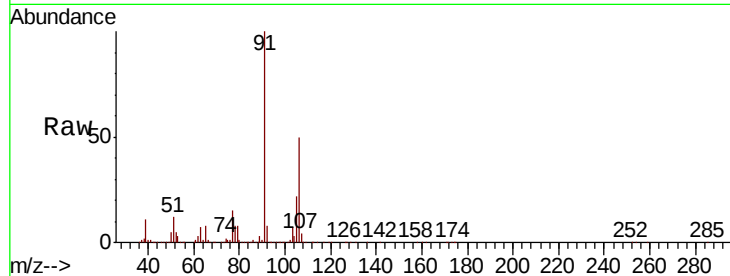




#59
m/p-Xylene
Concen: 9.365 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

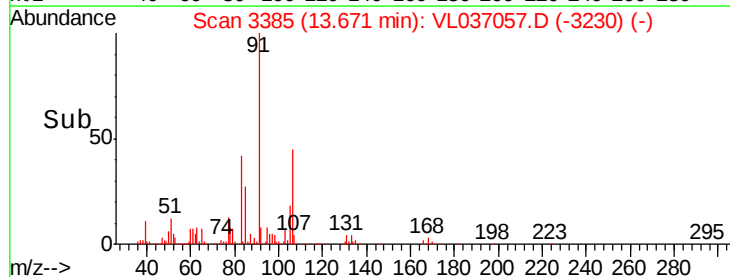
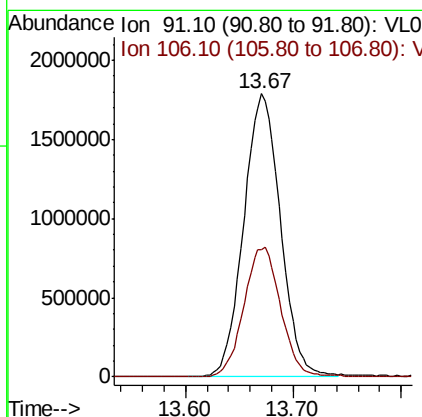
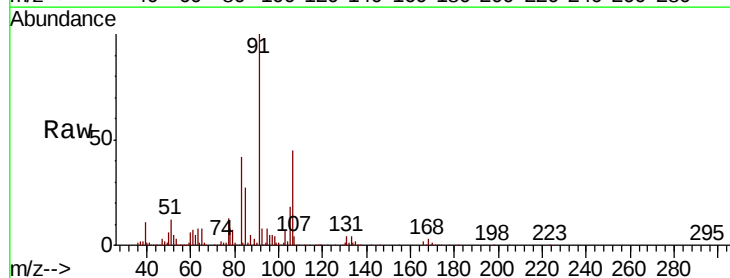
Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

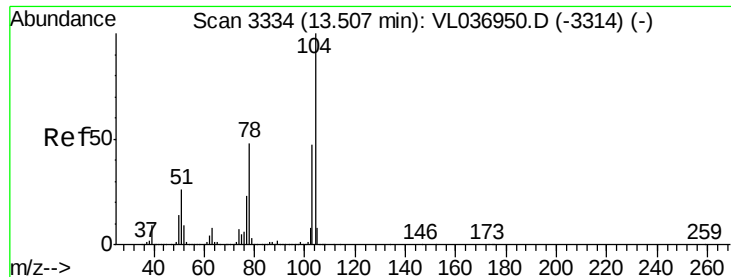
Tot Ion: 91 Resp: 4731934
Ion Ratio Lower Upper
91 100
106 86.4 37.4 56.2#



#60
o-Xylene
Concen: 8.769 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 4225910
Ion Ratio Lower Upper
91 100
106 46.2 23.4 70.3





#61

Stvrene

Concen: 9.090 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

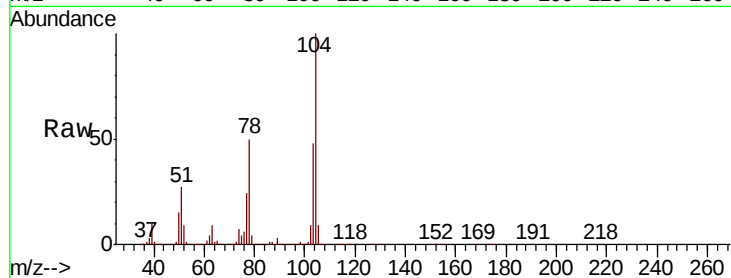
Tot Ion:104 Resp: 2467851

Ion Ratio Lower Upper

104 100

78 50.1 39.0 58.6

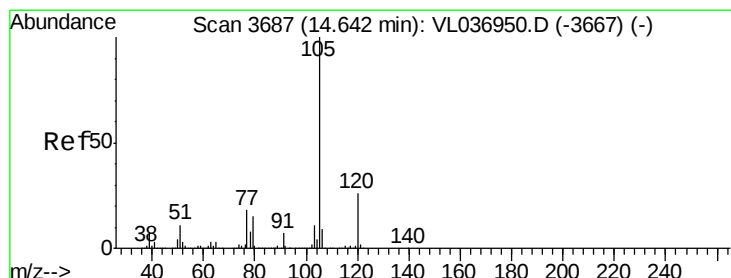
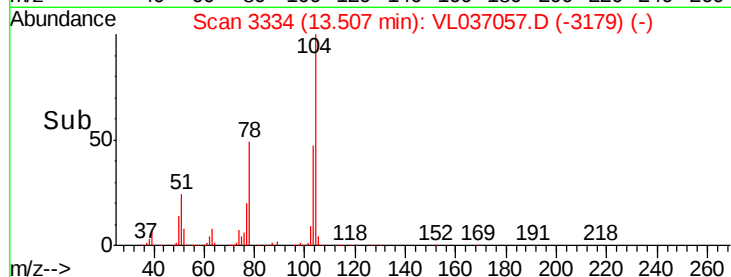
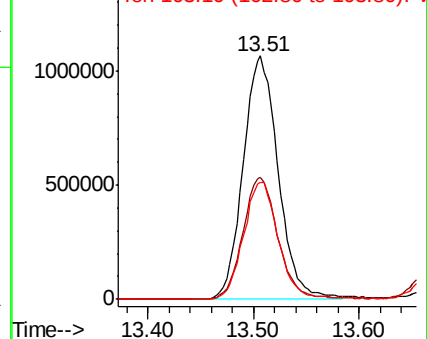
103 48.1 38.0 57.0



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: 8.626 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL037057.D

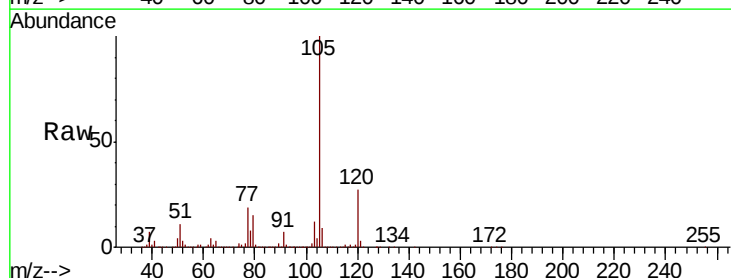
Acq: 25 May 2021 11:29

Tgt Ion:105 Resp: 5973984

Ion Ratio Lower Upper

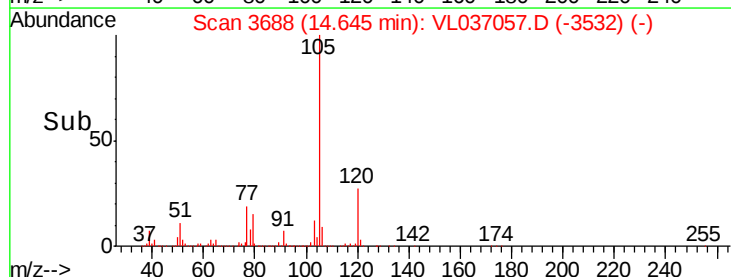
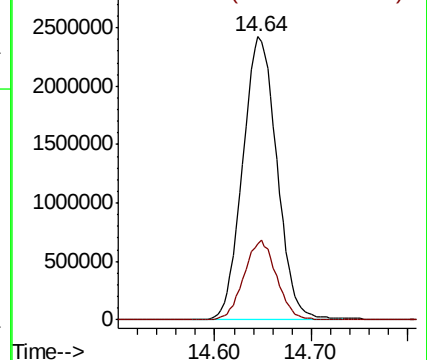
105 100

120 26.9 21.7 32.5



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: 7.917 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

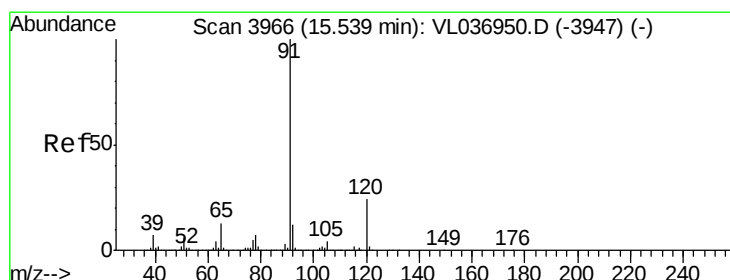
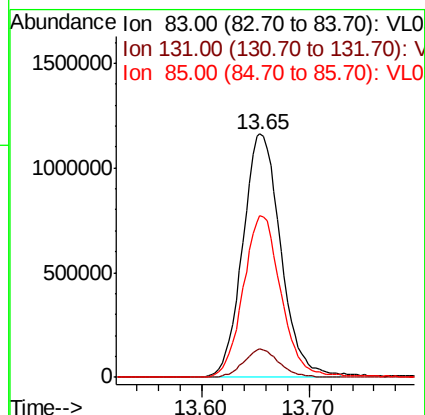
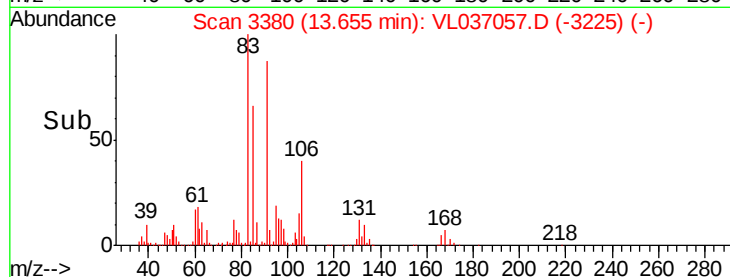
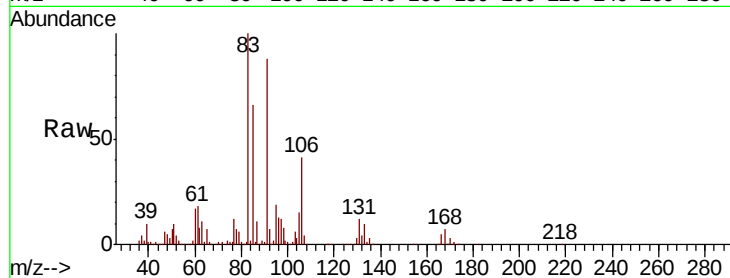
MSVOA_L

ClientSampleId :

VL0525ABS01

Tot Ion: 83 Resp: 2849309

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.0	15.0
85	67.2	32.9	98.6



#64

n-propylbenzene

Concen: 9.011 ppbv

RT: 15.54 min Scan# 3967

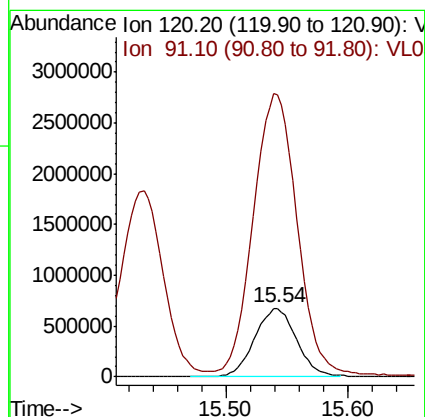
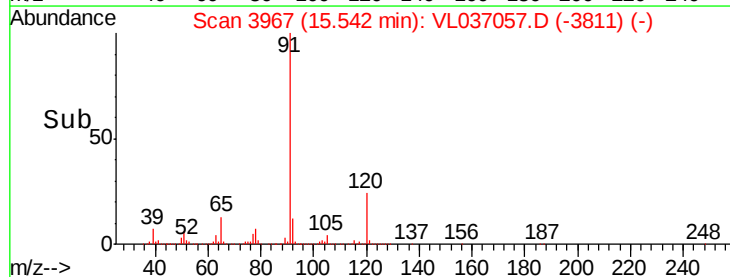
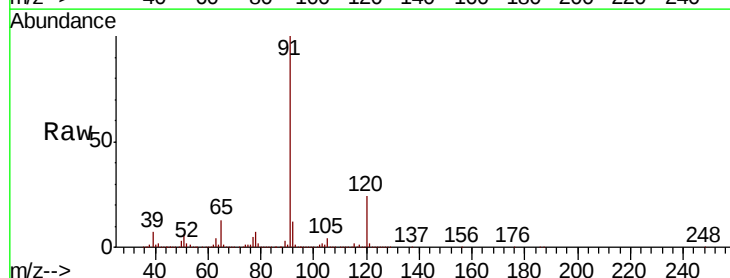
Delta R.T. 0.00 min

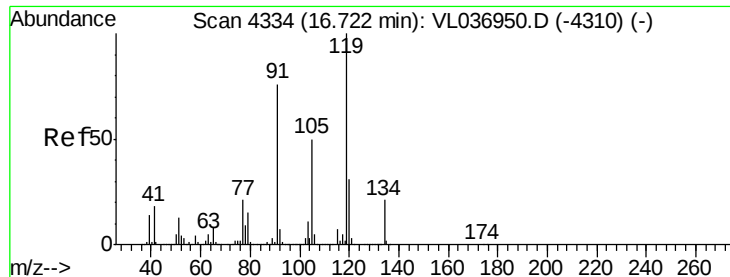
Lab File: VL037057.D

Acq: 25 May 2021 11:29

Tgt Ion:120 Resp: 1610219

Ion	Ratio	Lower	Upper
120	100		
91	437.2	343.8	515.6

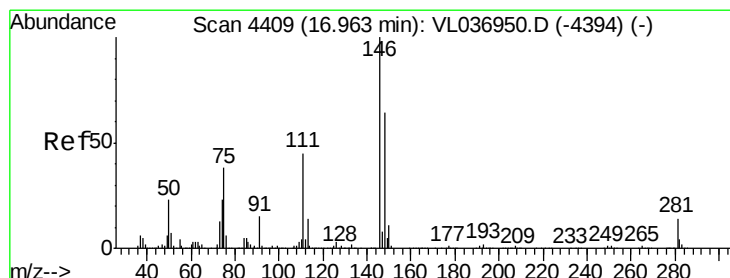
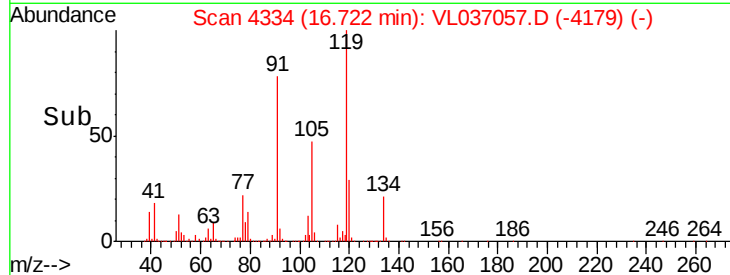
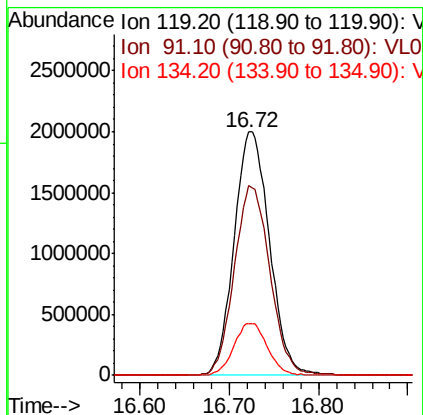
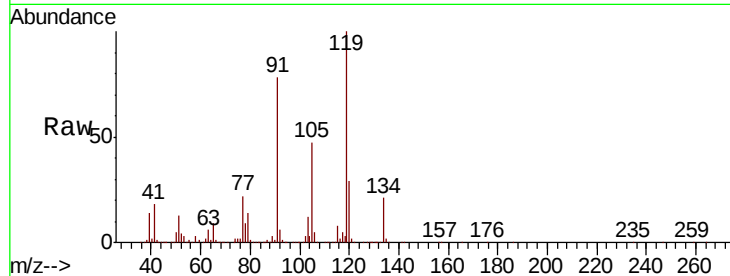




#65
tert-Butylbenzene
Concen: 8.804 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

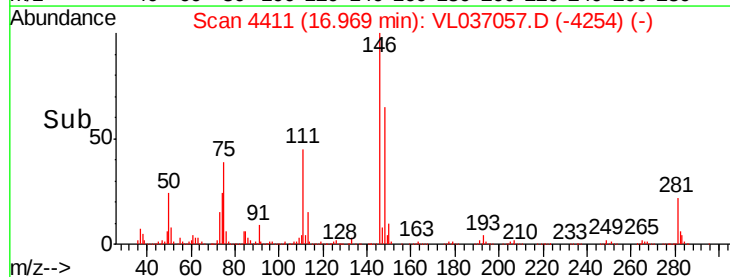
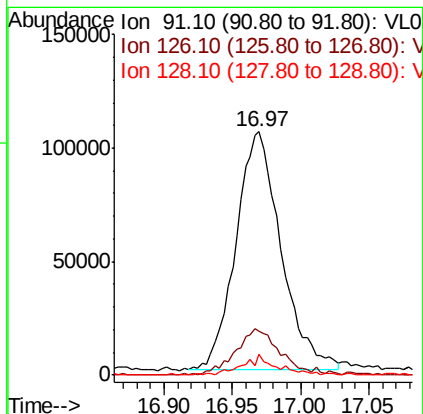
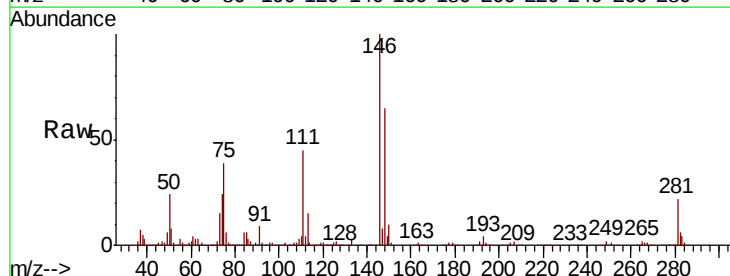
Instrument :
MSVOA_L
ClientSampleId :
VL0525ABS01

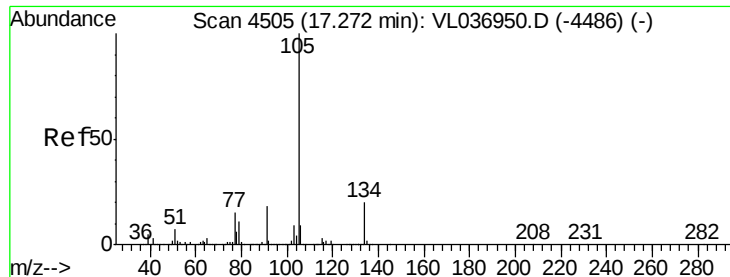
Tot Ion:119 Resp: 5502017
Ion Ratio Lower Upper
119 100
91 78.5 61.9 92.9
134 20.4 16.2 24.4



#66
Benzyl Chloride
Concen: 6.925 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. 0.01 min
Lab File: VL037057.D
Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 240117
Ion Ratio Lower Upper
91 100
126 20.1 16.5 24.7
128 7.0 5.5 8.3





#67

sec-Butylbenzene

Concen: 8.685 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

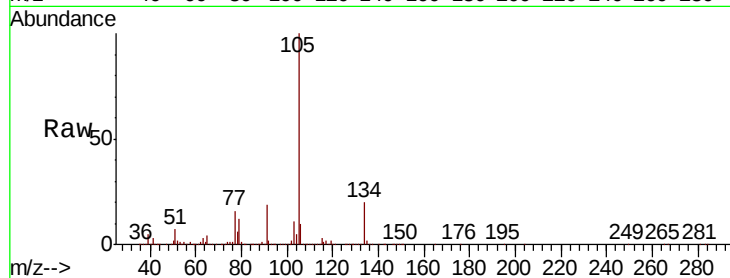
VL0525ABS01

Tot Ion:105 Resp: 7404068

Ion Ratio Lower Upper

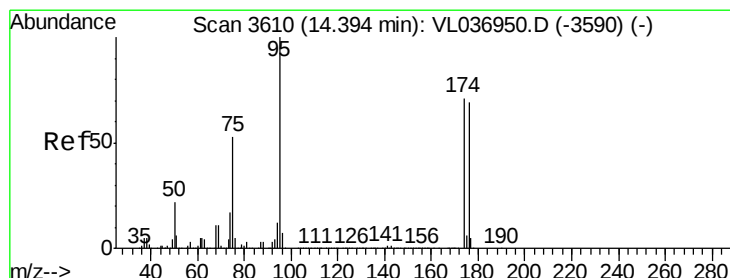
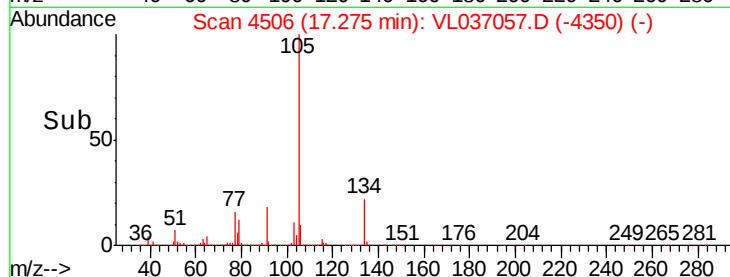
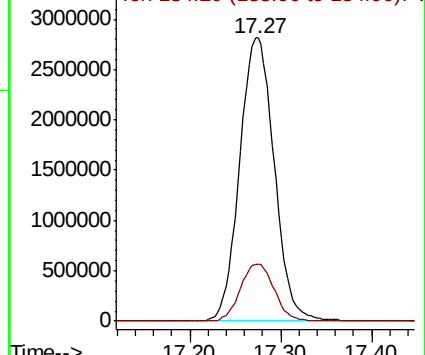
105 100

134 19.7 15.6 23.4



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: 7.795 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

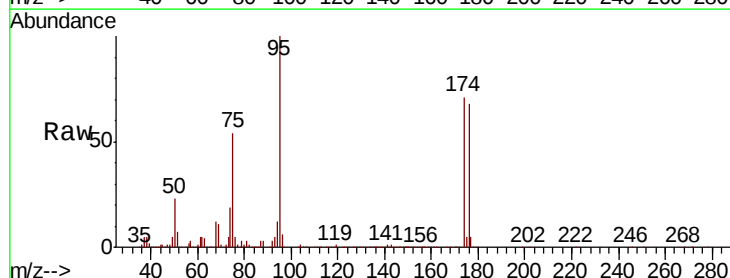
Tgt Ion: 95 Resp: 2536031

Ion Ratio Lower Upper

95 100

174 72.0 58.4 87.6

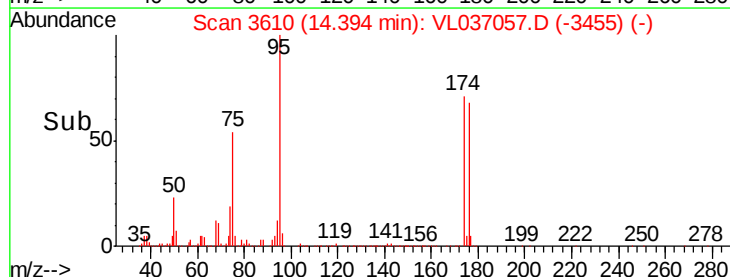
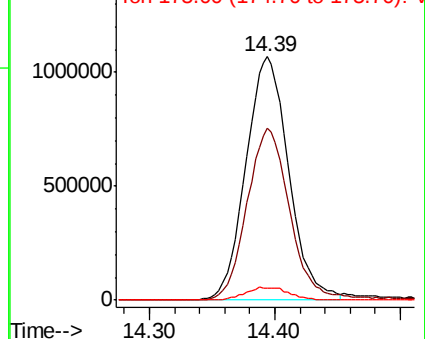
175 5.4 4.4 6.6

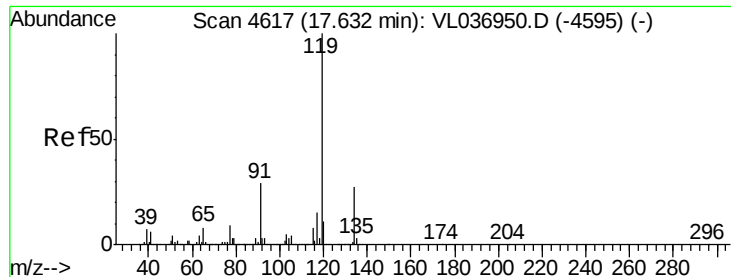


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



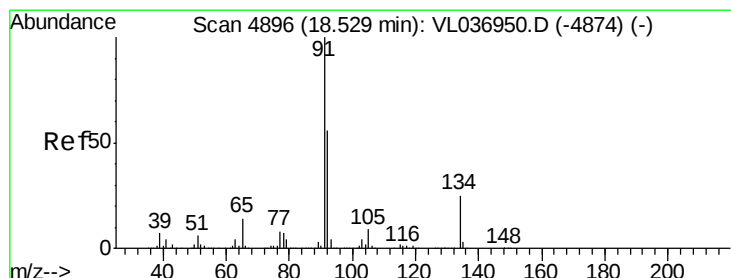
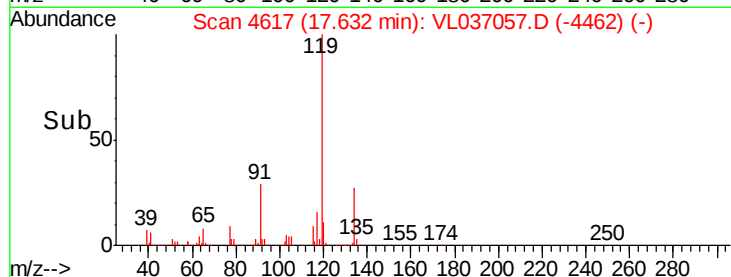
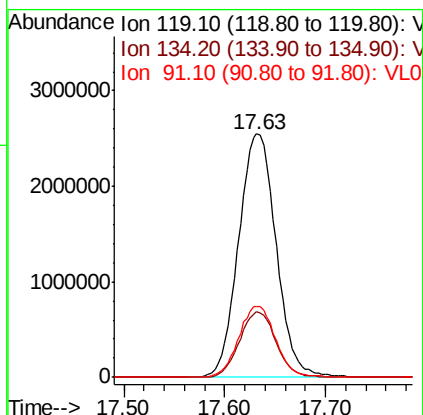
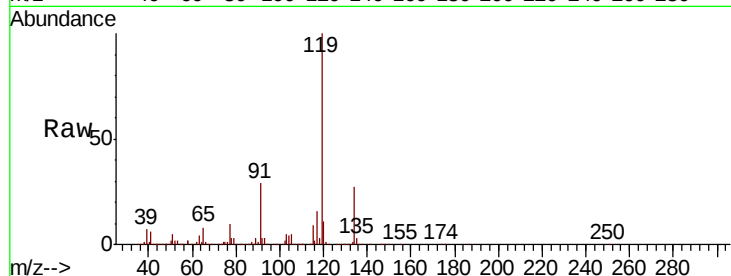


#69
 p-Isopropyltoluene
 Concen: 8.941 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tot Ion:119 Resp: 6553898

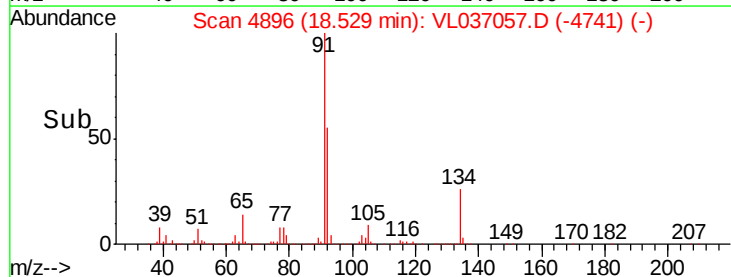
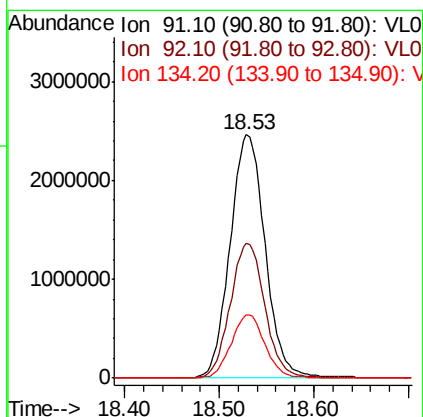
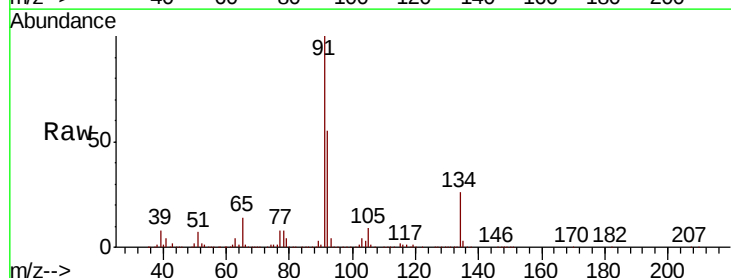
Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	28.7	22.2	33.4

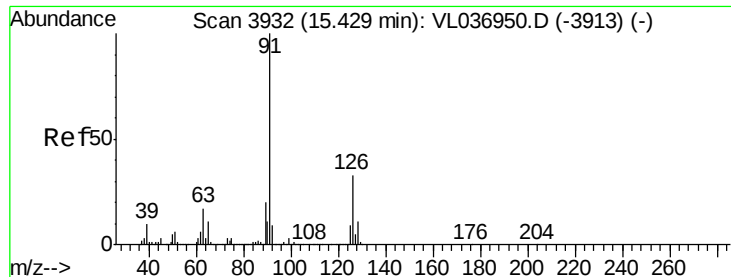


#70
 n-Butylbenzene
 Concen: 9.083 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 91 Resp: 6324624

Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.6	66.8
134	25.3	20.2	30.2

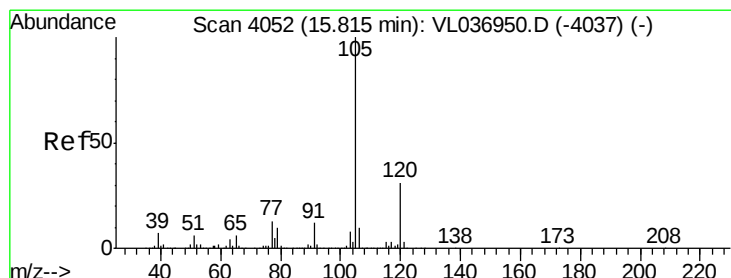
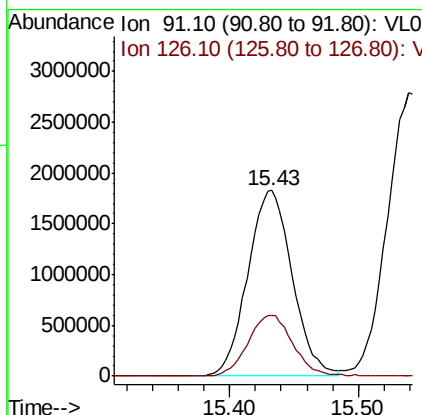
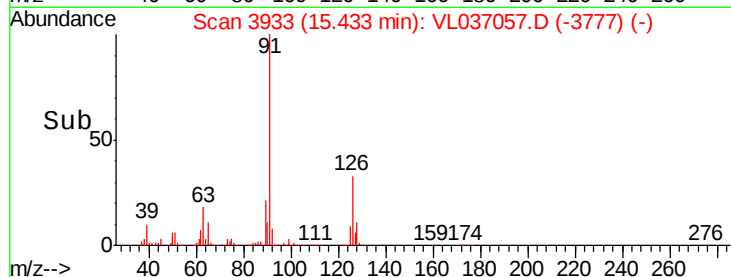
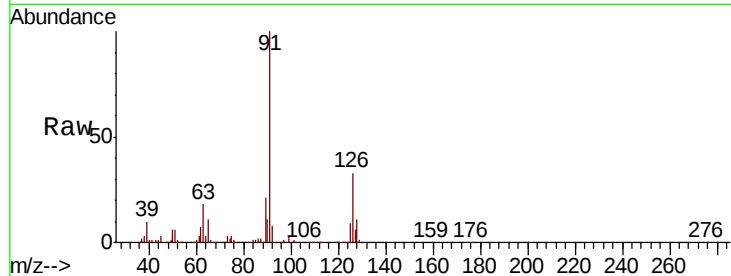




#71
 2-Chlorotoluene
 Concen: 8.776 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

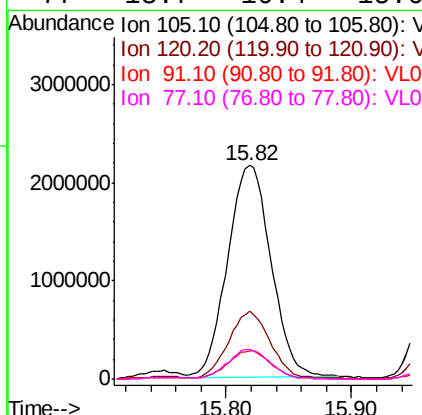
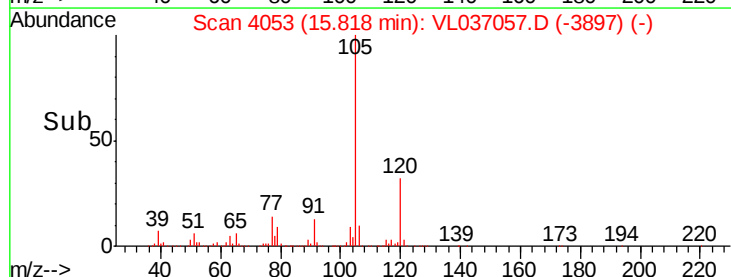
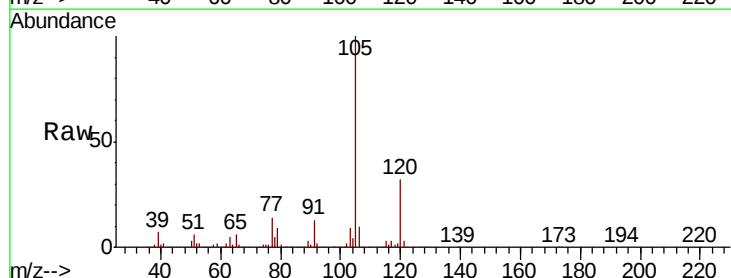
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

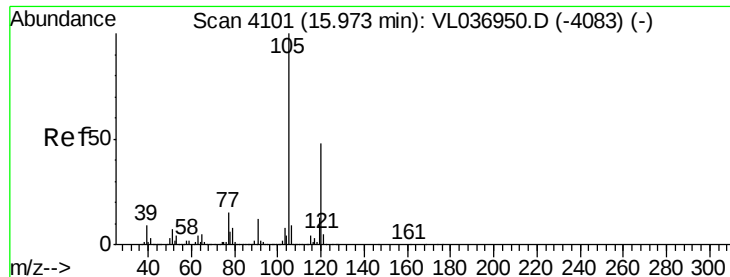
Tot Ion: 91 Resp: 4389845
 Ion Ratio Lower Upper
 91 100
 126 33.7 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 9.118 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion: 105 Resp: 5215148
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.6 37.0
 91 12.9 9.8 14.6
 77 13.7 10.4 15.6

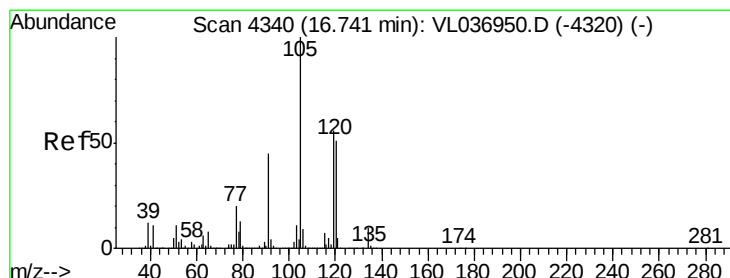
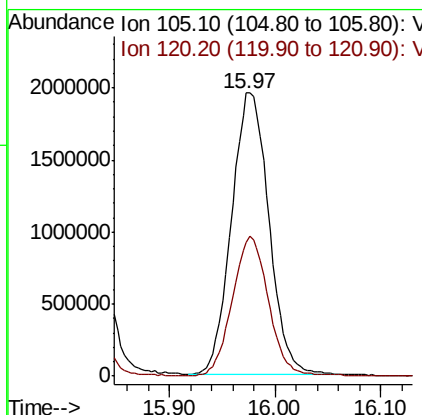
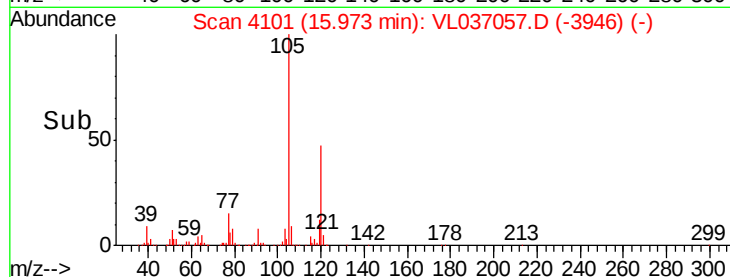
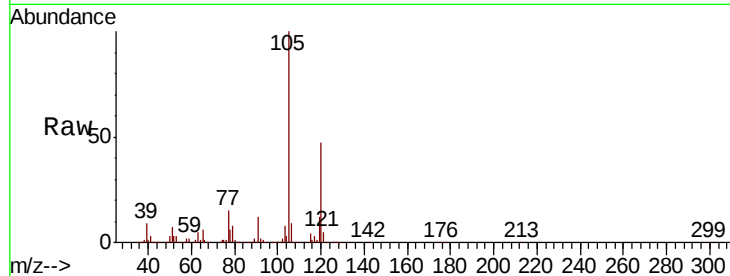




#73
 1,3,5-Trimethylbenzene
 Concen: 8.899 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

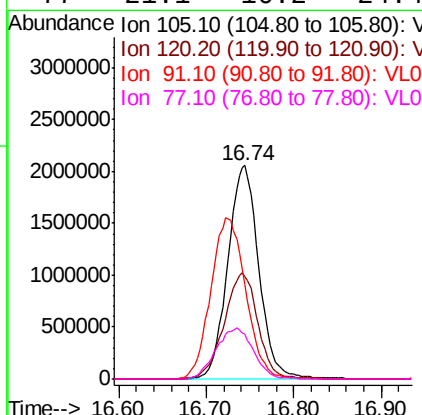
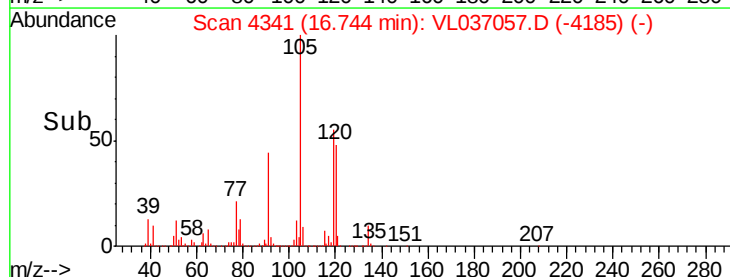
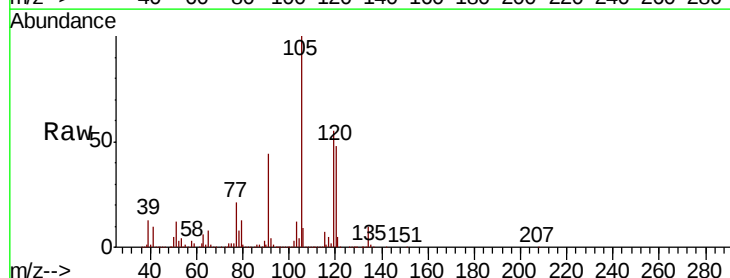
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

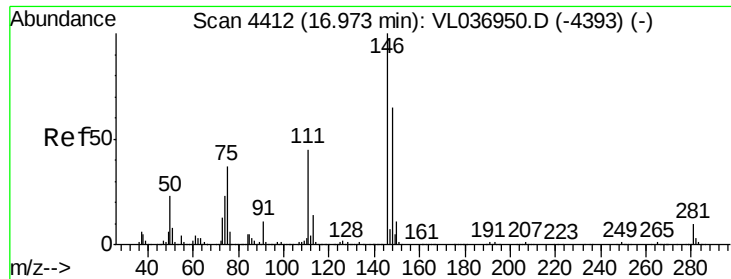
Tot Ion:105 Resp: 4779787
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 9.052 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

Tgt Ion:105 Resp: 5026753
 Ion Ratio Lower Upper
 105 100
 120 48.0 40.6 61.0
 91 44.0 37.4 56.0
 77 21.1 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 9.166 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

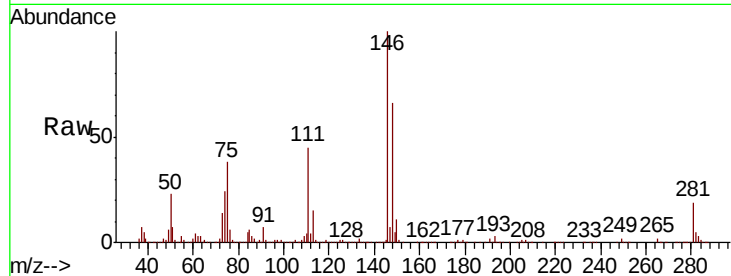
Tot Ion:146 Resp: 3108166

Ion Ratio Lower Upper

146 100

111 45.0 22.2 66.6

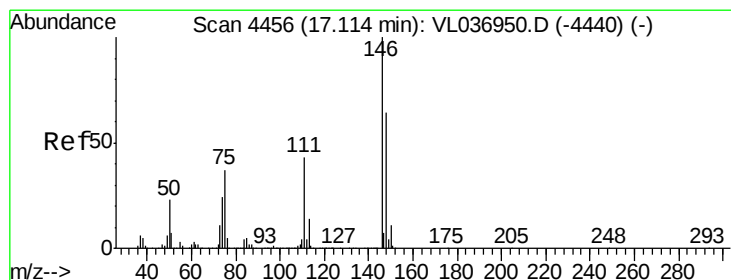
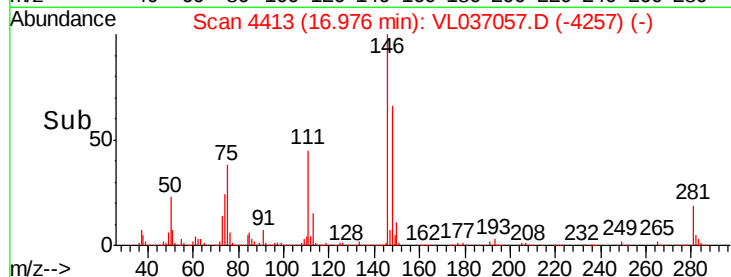
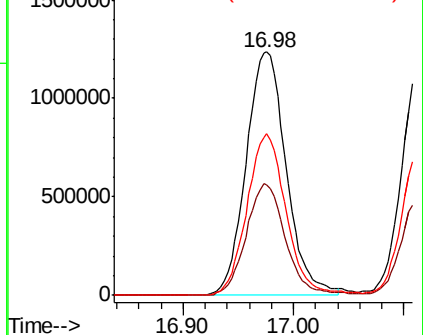
148 65.0 32.3 96.8



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: 8.996 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

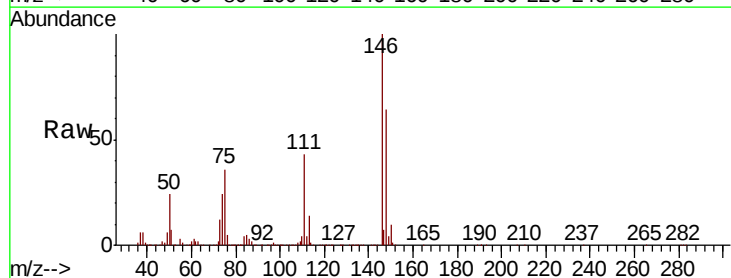
Tgt Ion:146 Resp: 3084503

Ion Ratio Lower Upper

146 100

111 43.9 22.6 67.7

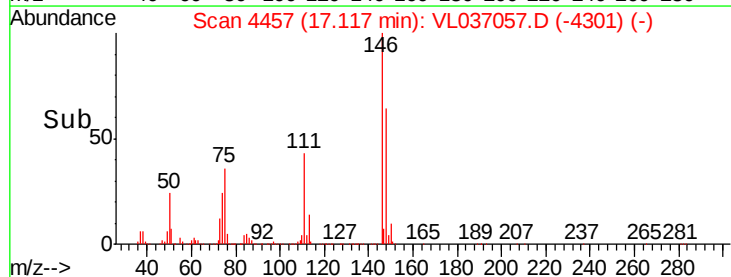
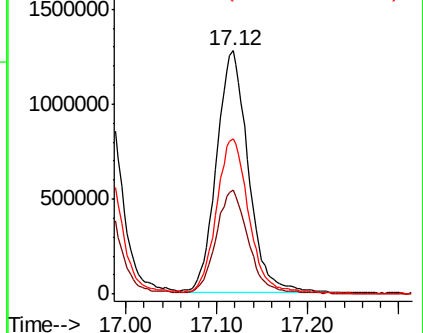
148 65.7 33.5 100.5

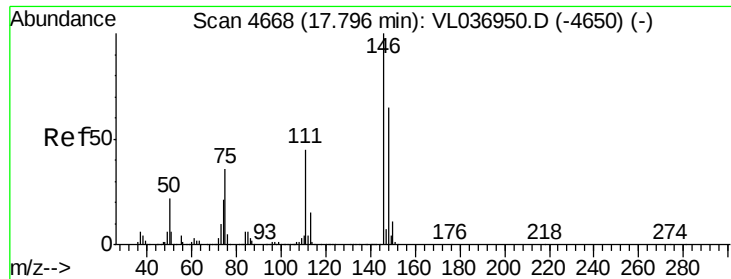


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



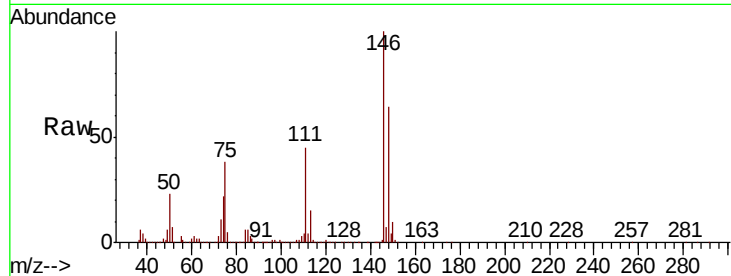


#77
 1,2-Dichlorobenzene
 Concen: 8.999 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

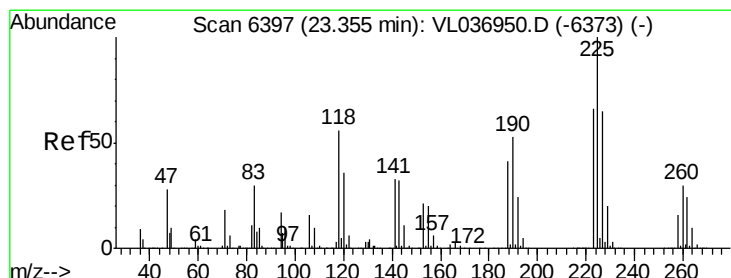
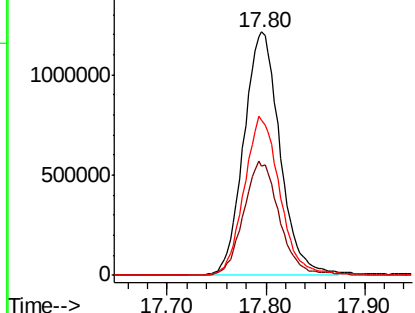
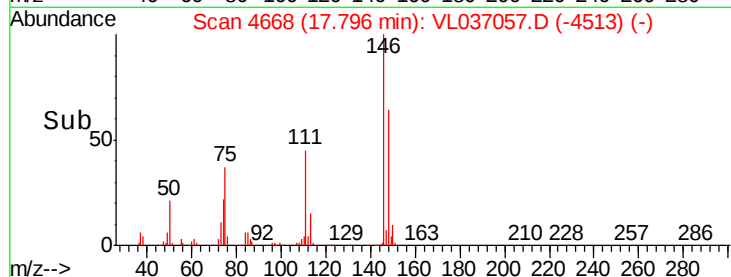
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Tot Ion:146 Resp: 3057936

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.1	69.2
148	64.5	32.5	97.4



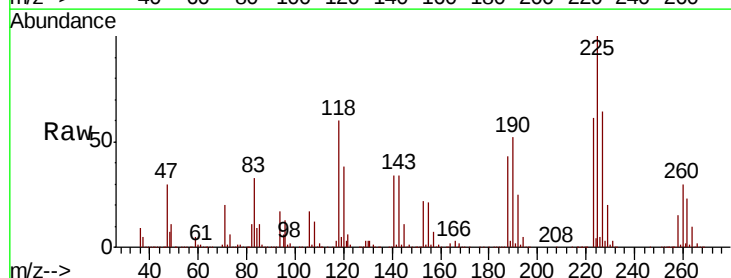
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



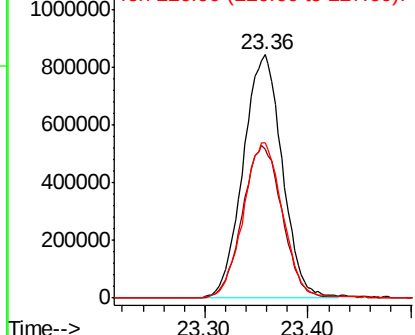
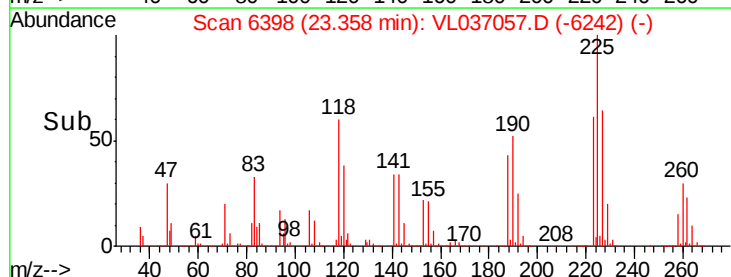
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.135 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.00 min
 Lab File: VL037057.D
 Acq: 25 May 2021 11:29

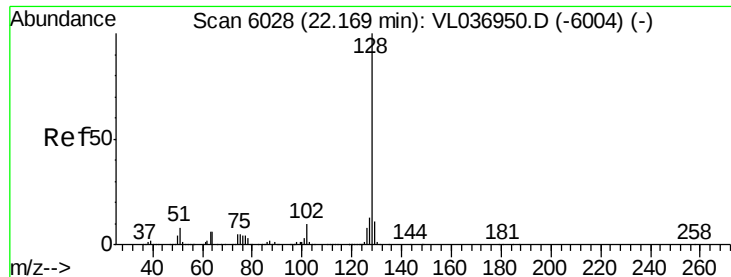
Tgt Ion:225 Resp: 2222604

Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.9	77.9
227	64.9	51.8	77.6



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: 10.219 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

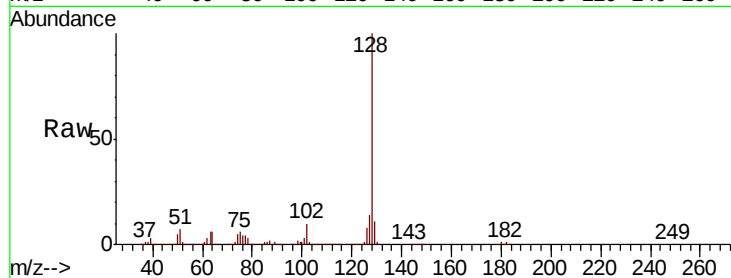
Tot Ion:128 Resp: 4452895

Ion Ratio Lower Upper

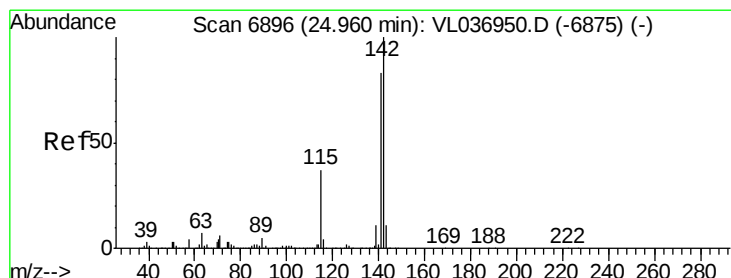
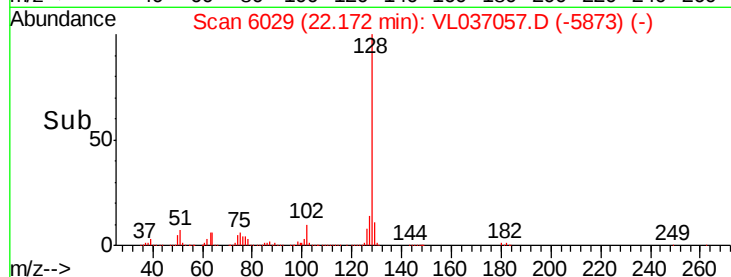
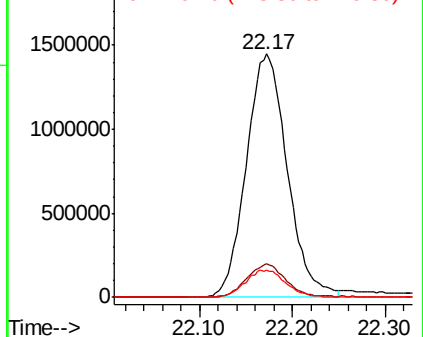
128 100

127 13.8 10.4 15.6

129 11.3 9.0 13.6



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: 13.309 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

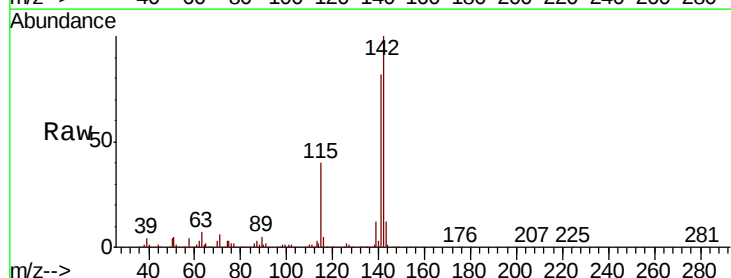
Tgt Ion:142 Resp: 1261027

Ion Ratio Lower Upper

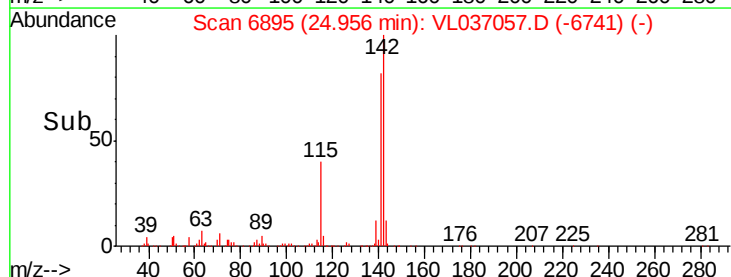
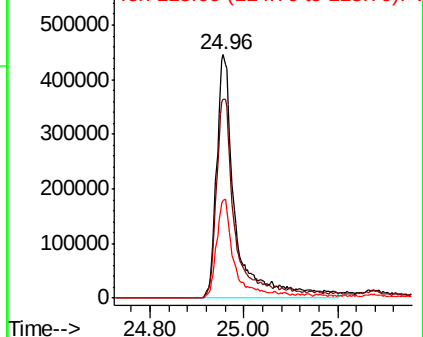
142 100

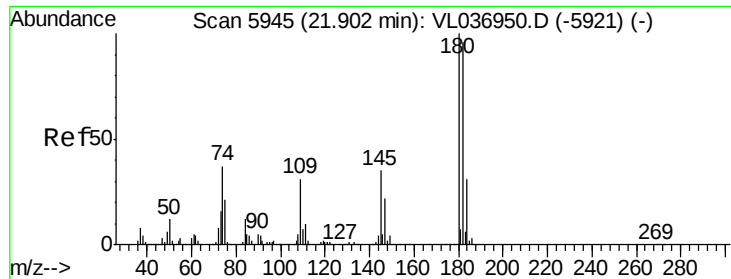
141 83.9 69.3 103.9

115 38.5 29.1 43.7



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: 9.575 ppbv

RT: 21.90 min Scan# 5945

Delta R.T. -0.00 min

Lab File: VL037057.D

Acq: 25 May 2021 11:29

Instrument :

MSVOA_L

ClientSampleId :

VL0525ABS01

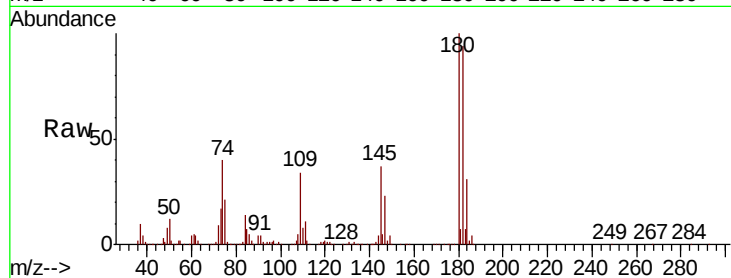
Tot Ion:180 Resp: 2543460

Ion Ratio Lower Upper

180 100

182 97.8 81.7 122.5

184 30.6 24.9 37.3



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

