

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036959.D
 Acq On : 18 May 2021 8:56
 Operator : SY/AP
 Sample : VL0518ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0518ABS01

Quant Time: May 19 03:10:20 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	5.64	49	1299137	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3856705	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4535873	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2830532	8.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1950661	8.851	ppbv	98
3) Chlorodifluoromethane	2.97	51	2155003	9.054	ppbv	99
4) Chloromethane	3.12	50	776833	9.592	ppbv	100
5) Vinyl Chloride	3.24	62	803343	9.075	ppbv	98
6) Bromomethane	3.45	94	465770	9.985	ppbv	99
7) Chloroethane	3.54	64	281163	9.781	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1914502	9.252	ppbv	100
9) Propene	2.99	41	769656	9.031	ppbv	99
10) Heptane	8.10	43	1932743	9.100	ppbv	99
11) Trichlorofluoromethane	3.93	101	1915446	9.390	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1343434	9.246	ppbv	98
13) Ethanol	3.59	45	78700	6.921	ppbv	94
14) Bromoethene	3.72	108	607042	9.485	ppbv	100
15) Acetone	3.83	43	1012029	7.605	ppbv	99
16) 1,3-Butadiene	3.31	39	776028	9.387	ppbv	100
17) tert-Butyl alcohol	4.27	59	1197927	9.828	ppbv	99
18) 1,1-Dichloroethene	4.27	96	624539	9.295	ppbv	97
19) Isopropyl Alcohol	4.01	45	15475	0.216	ppbv #	30
20) Methylene Chloride	4.32	84	535358	7.505	ppbv	99
21) Allyl Chloride	4.39	41	942311	9.387	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	623207	9.678	ppbv	97
23) Vinyl Acetate	5.05	43	2048833	9.701	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1403690	9.233	ppbv	99
25) Ethyl Acetate	5.65	43	2911951	9.107	ppbv	100
26) Hexane	5.66	57	1434044	8.779	ppbv	99
27) Carbon Disulfide	4.53	76	1580087	9.598	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1735718	8.865	ppbv	100
29) Chloroform	5.73	83	2152330	9.326	ppbv	98
30) Cyclohexane	7.10	84	1260800	9.083	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1409181	9.622	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2217567	8.949	ppbv	100
34) 2-Butanone	5.22	43	1389137	9.892	ppbv	99
35) Carbon Tetrachloride	6.99	117	2278721	8.892	ppbv	98
36) Benzene	6.86	78	3041990	9.157	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1563612	9.494	ppbv	99
38) Trichloroethene	7.81	130	1200447	8.447	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1163934	9.095	ppbv	100
40) 1,4-Dioxane	7.81	88	292457	9.679	ppbv #	100
41) Tetrahydrofuran	6.03	42	749060	9.365	ppbv	99
42) Bromodichloromethane	7.76	83	2373498	9.526	ppbv	99
43) Methyl Methacrylate	7.99	69	1093490	9.550	ppbv	99

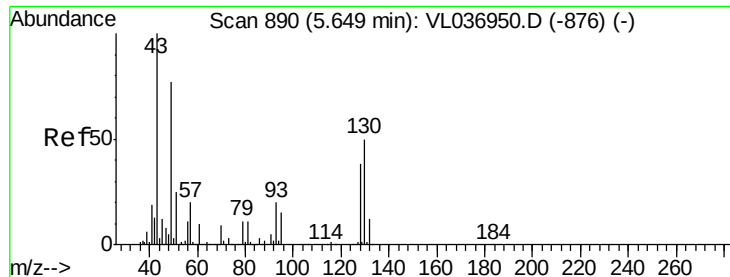
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4944260	8.675	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1159946	13.260	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	1450061	12.324	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1247327	9.313	ppbv	98
48) Dibromochloromethane	10.28	129	2157902	9.950	ppbv	100
49) Bromoform	13.01	173	1834031	10.240	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2146332	9.262	ppbv	100
51) 2-Hexanone	10.11	43	1123875	9.174	ppbv #	100
52) Tetrachloroethene	11.19	164	1195532	9.050	ppbv	97
53) Toluene	9.78	91	3609957	9.133	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1834223	9.633	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1423383	7.458	ppbv	99
57) Chlorobenzene	12.12	112	2677514	7.613	ppbv	99
58) Ethyl Benzene	12.68	91	4745208	7.412	ppbv	99
59) m/p-Xylene	12.97	91	3707402	7.006	ppbv #	23
60) o-Xylene	13.66	91	3692242	7.316	ppbv	100
61) Styrene	13.50	104	2276490	8.006	ppbv	99
62) Isopropylbenzene	14.64	105	5212680	7.187	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2574072	6.829	ppbv	100
64) n-propylbenzene	15.53	120	1430530	7.644	ppbv	100
65) tert-Butylbenzene	16.72	119	4644248	7.096	ppbv	99
66) Benzyl Chloride	16.96	91	168607	4.643	ppbv #	62
67) sec-Butylbenzene	17.27	105	6344591	7.106	ppbv	100
69) p-Isopropyltoluene	17.62	119	5497499	7.161	ppbv	100
70) n-Butylbenzene	18.52	91	5337102	7.318	ppbv	99
71) 2-Chlorotoluene	15.42	91	3913233	7.470	ppbv	99
72) 4-Ethyltoluene	15.81	105	4571648	7.632	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4117103	7.319	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	4244211	7.297	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2665546	7.505	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2586203	7.202	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2601903	7.311	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1882096	6.577	ppbv	100
79) Naphthalene	22.16	128	3928981	8.609	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1150798	11.597	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2228450	8.010	ppbv	98

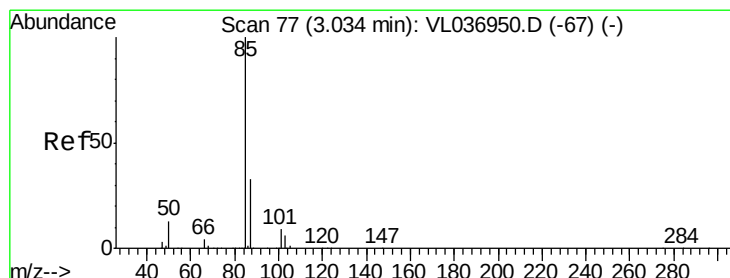
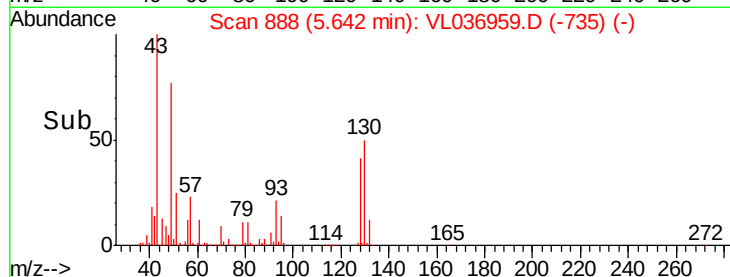
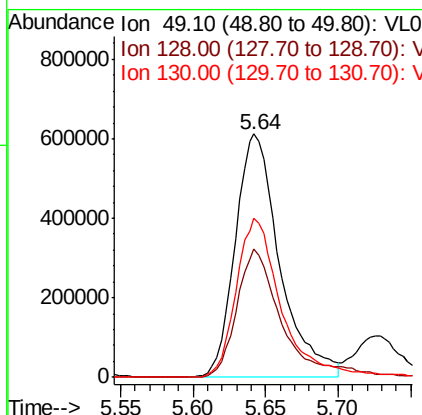
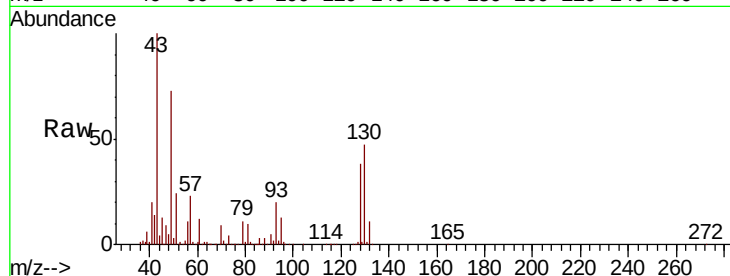
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

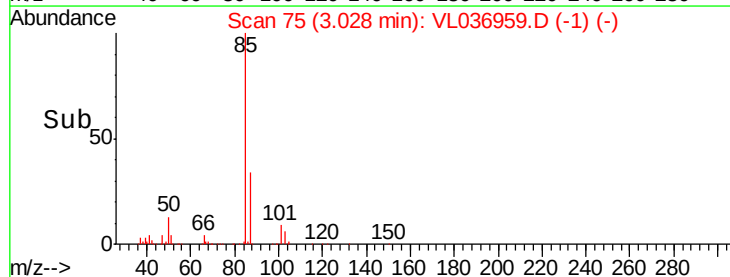
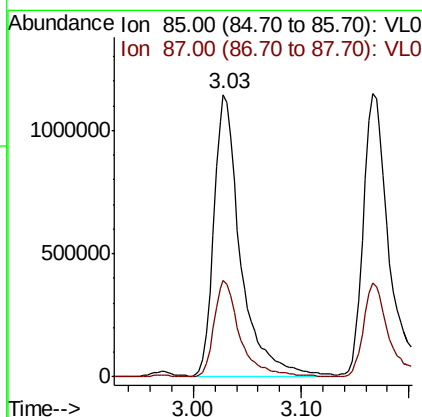
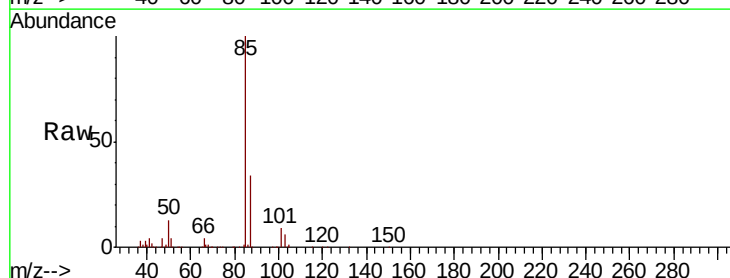
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0518ABS01

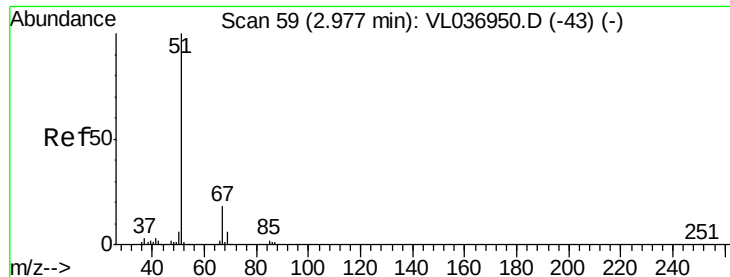
Tot Ion: 49 Resp: 1299137
 Ion Ratio Lower Upper
 49 100
 128 55.5 26.9 80.7
 130 67.8 33.8 101.4



#2
 Dichlorodifluoromethane
 Concen: 8.851 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

Tgt Ion: 85 Resp: 1950661
 Ion Ratio Lower Upper
 85 100
 87 34.3 26.6 39.8





#3

Chlorodifluoromethane

Concen: 9.054 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

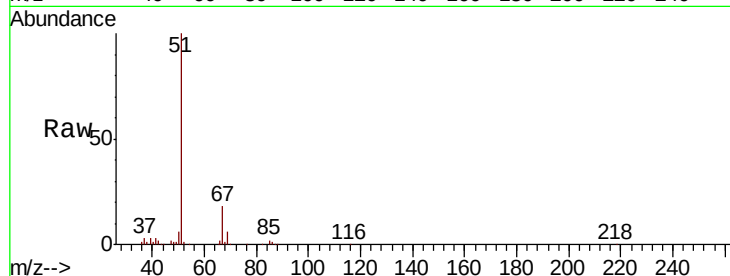
VL0518ABS01

Tot Ion: 51 Resp: 2155003

Ion Ratio Lower Upper

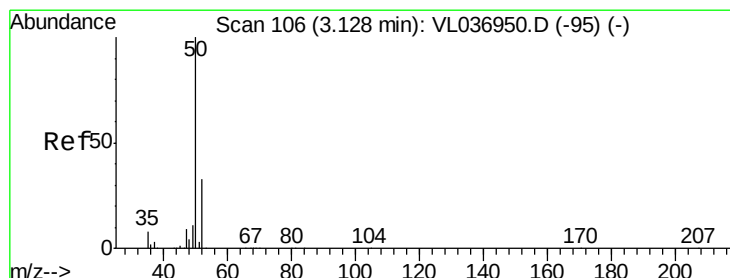
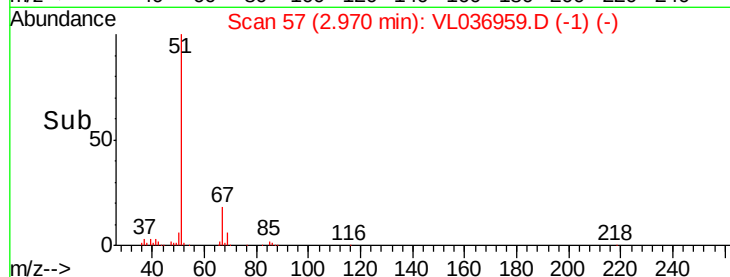
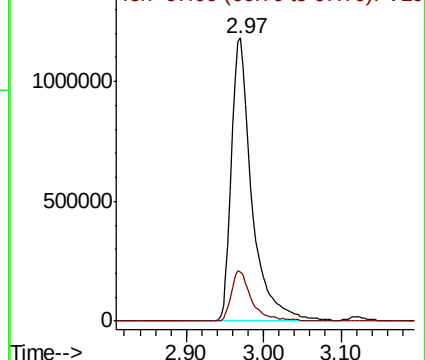
51 100

67 17.8 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.592 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL036959.D

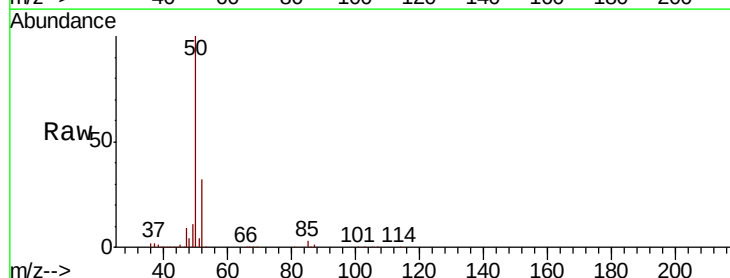
Acq: 18 May 2021 8:56

Tgt Ion: 50 Resp: 776833

Ion Ratio Lower Upper

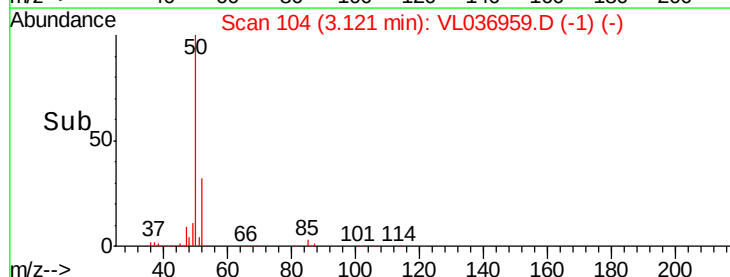
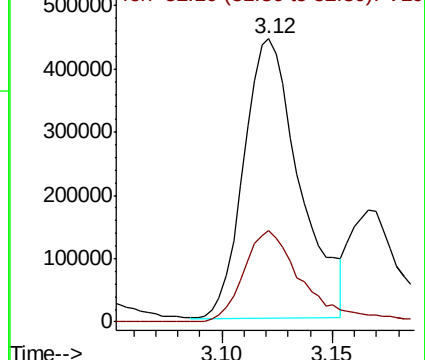
50 100

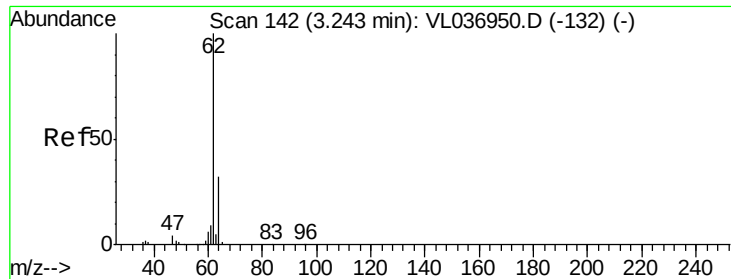
52 32.7 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.075 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

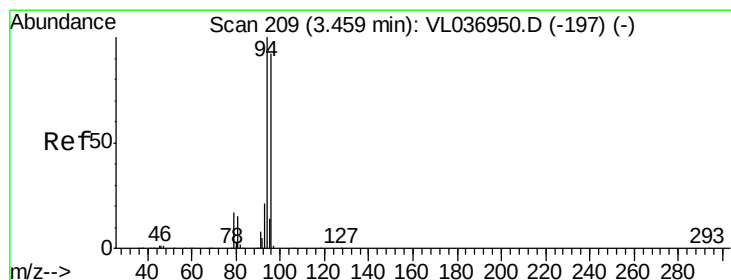
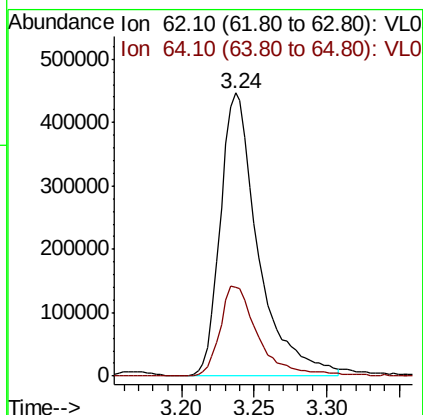
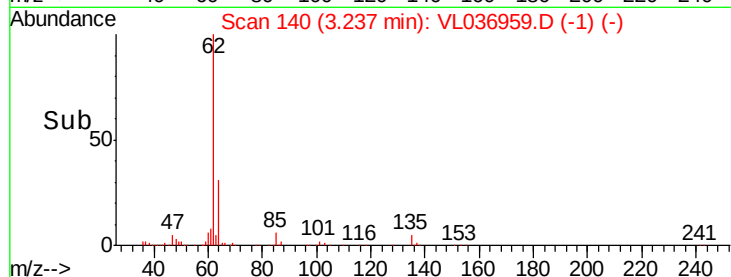
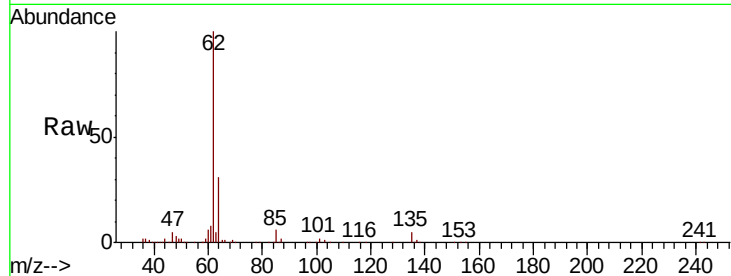
VL0518ABS01

Tot Ion: 62 Resp: 803343

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9



#6

Bromomethane

Concen: 9.985 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL036959.D

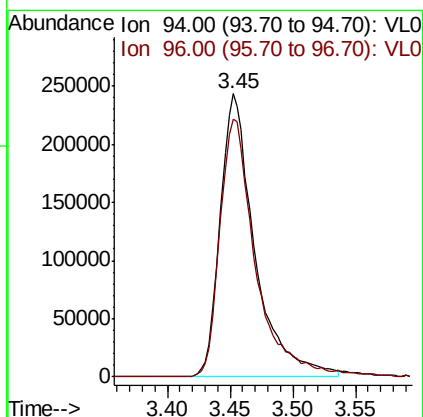
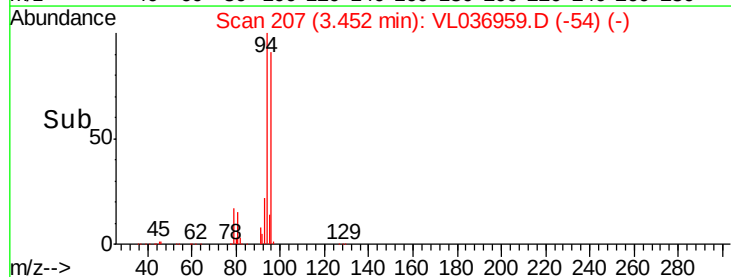
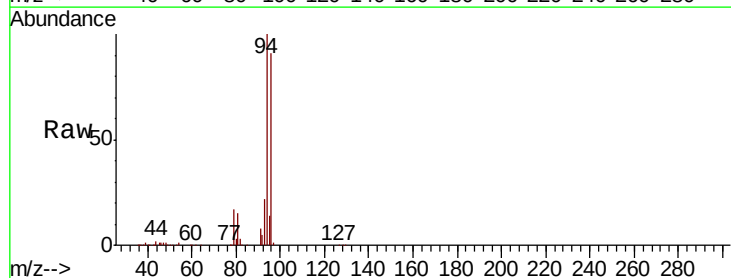
Acq: 18 May 2021 8:56

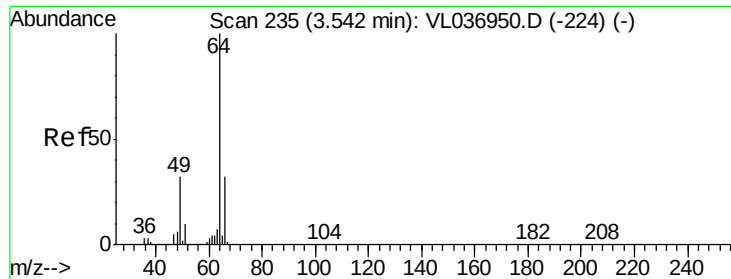
Tgt Ion: 94 Resp: 465770

Ion Ratio Lower Upper

94 100

96 91.1 74.0 111.0





#7

Chloroethane

Concen: 9.781 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

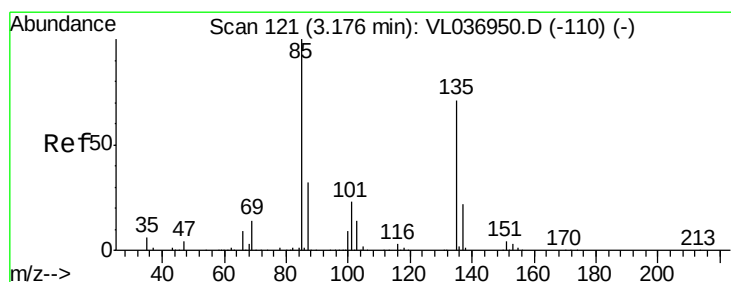
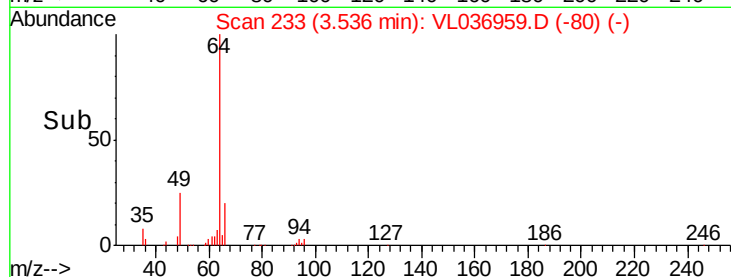
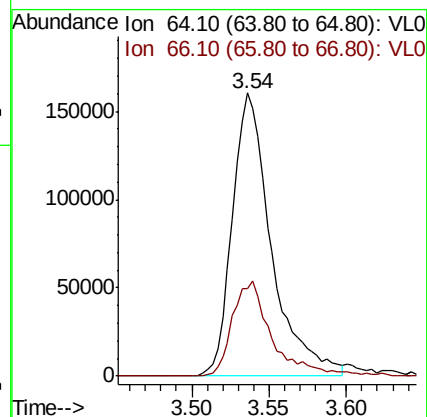
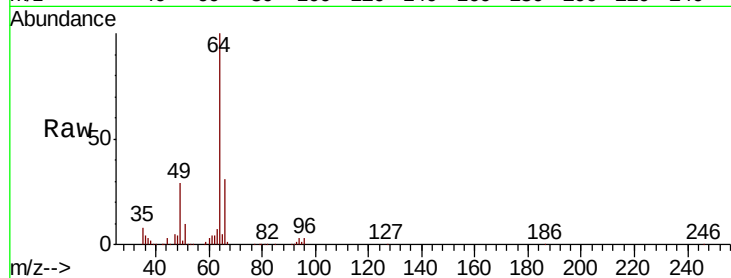
VL0518ABS01

Tot Ion: 64 Resp: 281163

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.252 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL036959.D

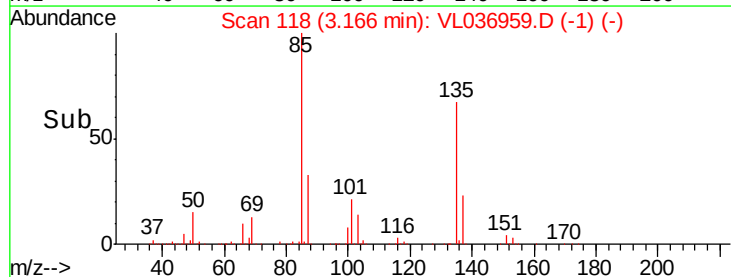
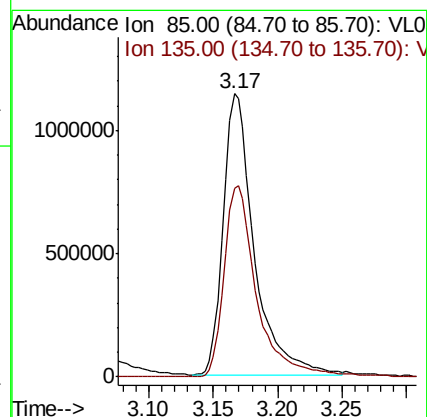
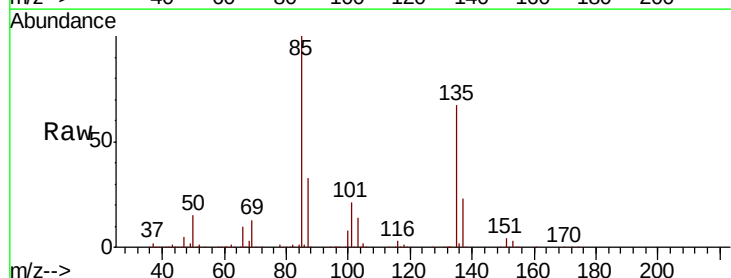
Acq: 18 May 2021 8:56

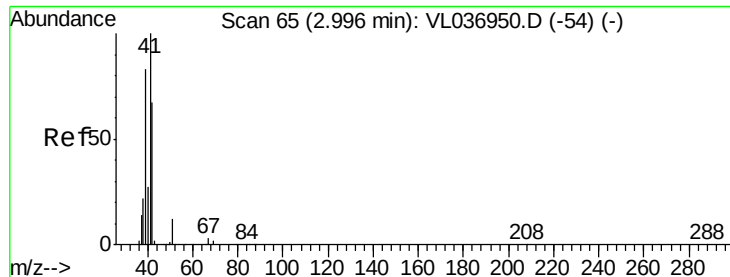
Tgt Ion: 85 Resp: 1914502

Ion Ratio Lower Upper

85 100

135 72.0 57.7 86.5





#9

Propene

Concen: 9.031 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

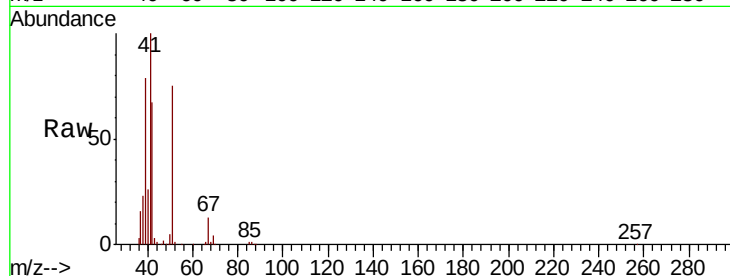
VL0518ABS01

Tot Ion: 41 Resp: 769656

Ion Ratio Lower Upper

41 100

42 68.3 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

500000

400000

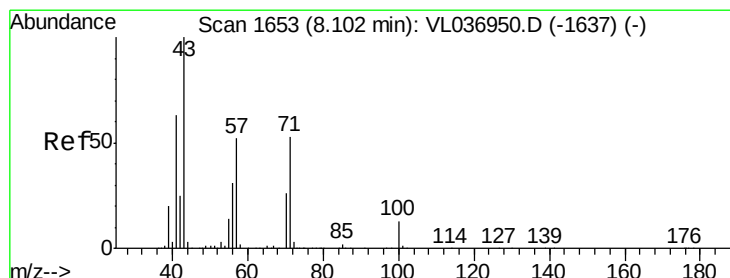
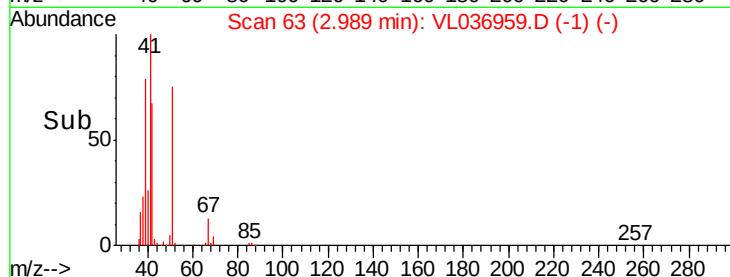
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.100 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL036959.D

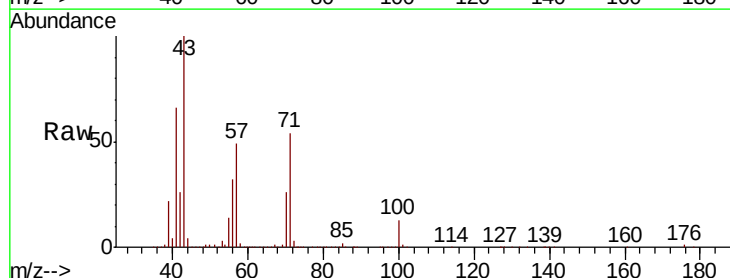
Acq: 18 May 2021 8:56

Tgt Ion: 43 Resp: 1932743

Ion Ratio Lower Upper

43 100

57 50.4 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

1000000

800000

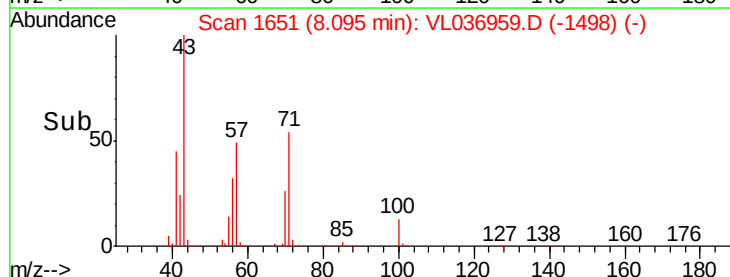
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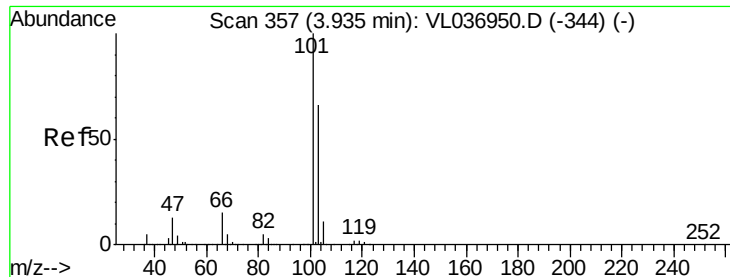
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200000

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Time-->

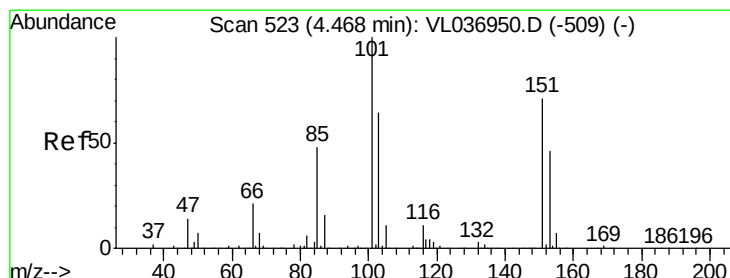
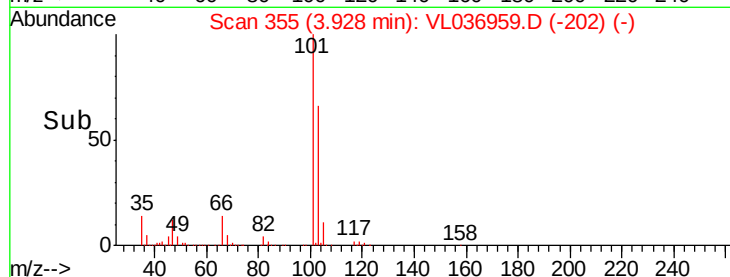
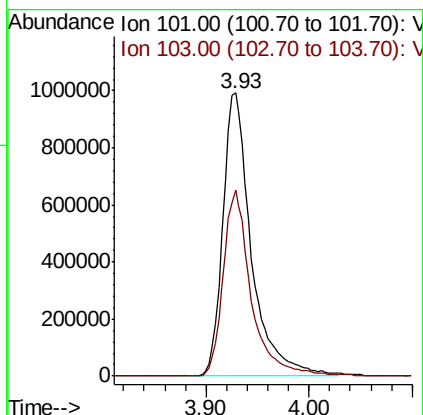
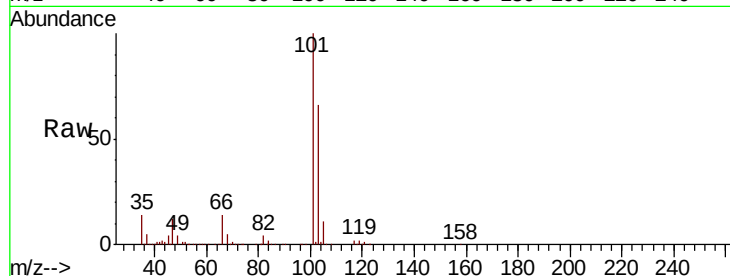




#11
 Trichlorofluoromethane
 Concen: 9.390 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

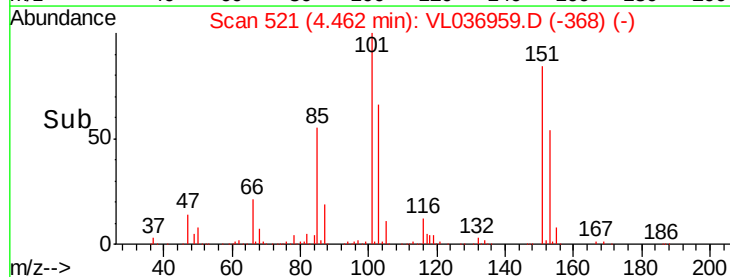
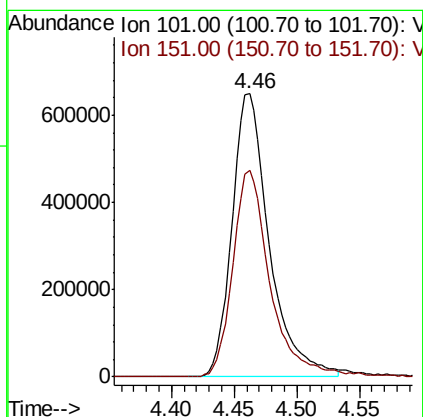
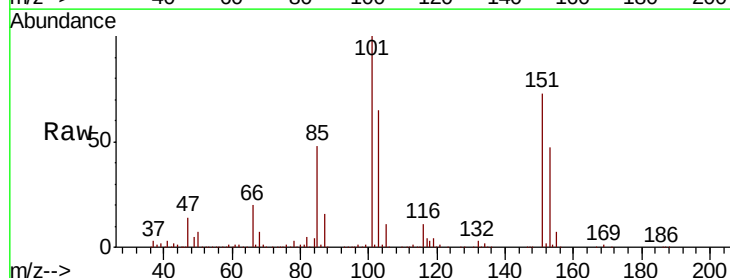
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0518ABS01

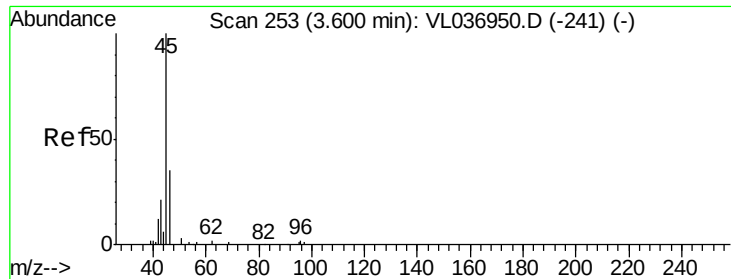
Tot Ion:101 Resp: 1915446
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.246 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

Tgt Ion:101 Resp: 1343434
 Ion Ratio Lower Upper
 101 100
 151 73.5 57.7 86.5

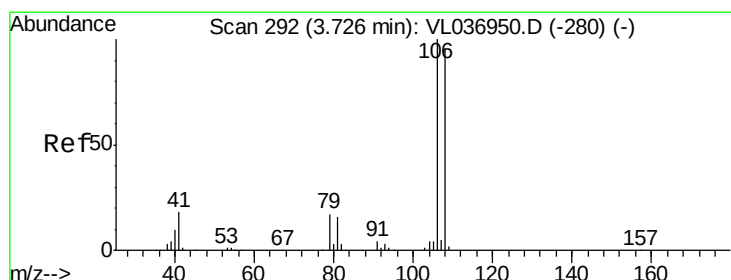
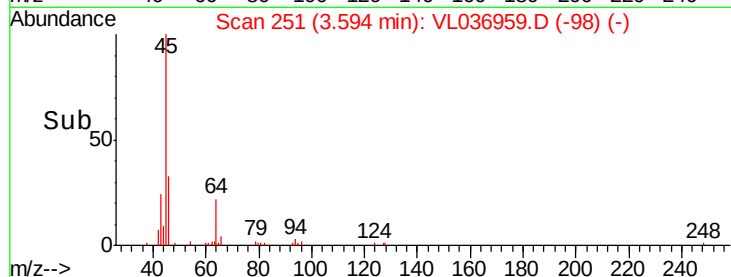
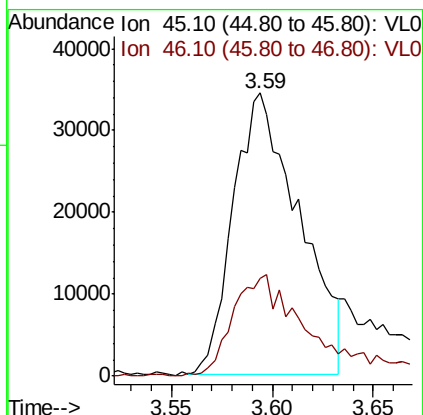
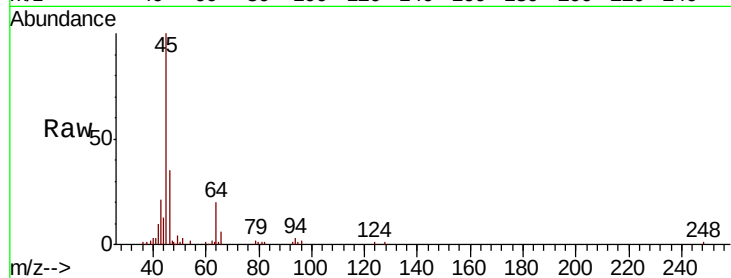




#13
Ethanol
Concen: 6.921 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

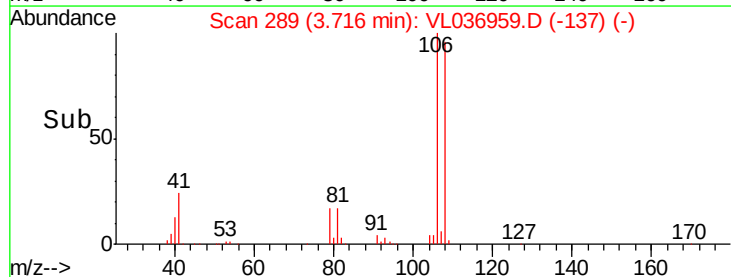
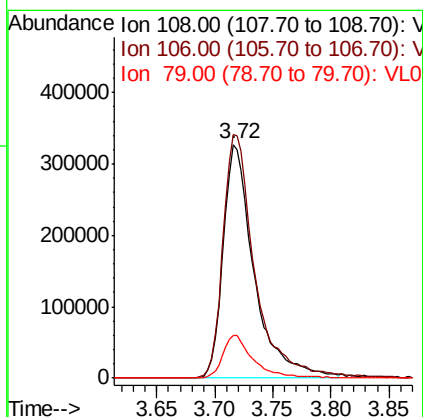
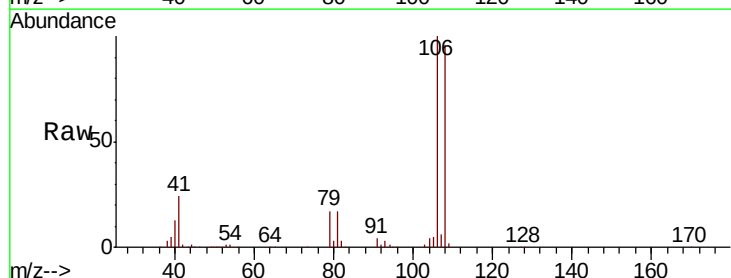
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABS01

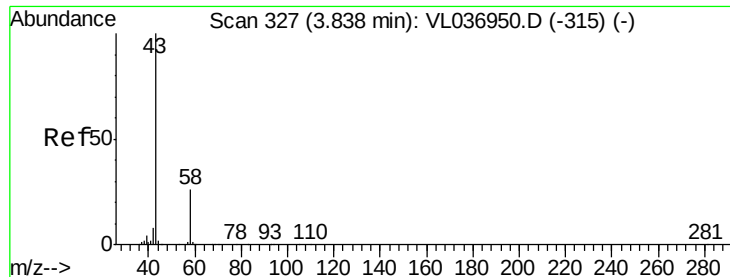
Tot Ion: 45 Resp: 78700
Ion Ratio Lower Upper
45 100
46 44.7 16.3 65.3



#14
Bromoethene
Concen: 9.485 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Tgt Ion: 108 Resp: 607042
Ion Ratio Lower Upper
108 100
106 108.1 86.5 129.7
79 18.3 15.0 22.4





#15

Acetone

Concen: 7.605 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

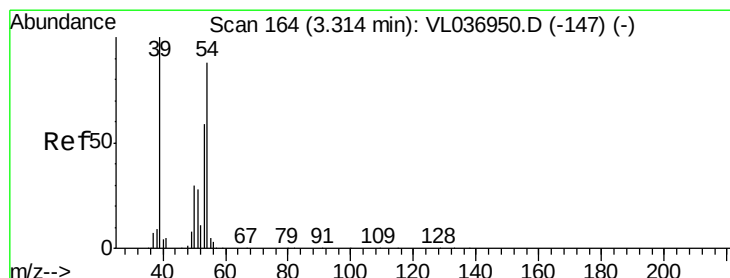
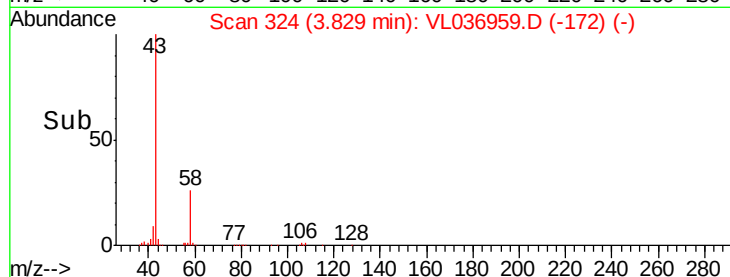
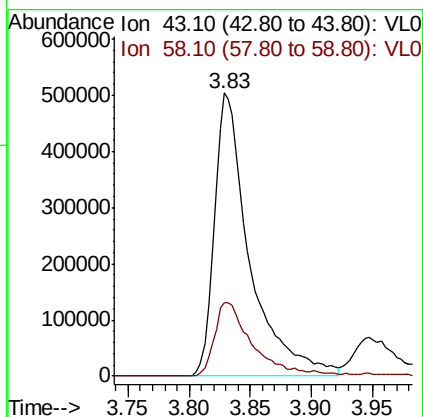
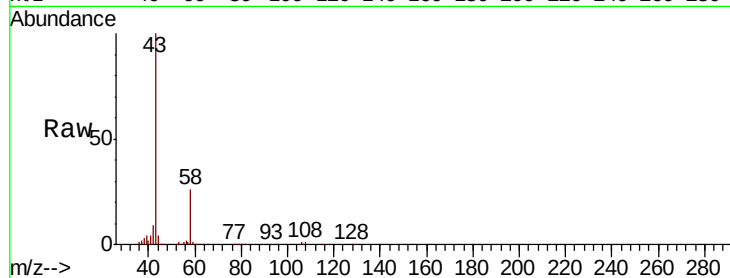
VL0518ABS01

Tot Ion: 43 Resp: 1012029

Ion Ratio Lower Upper

43 100

58 30.3 24.0 36.0



#16

1,3-Butadiene

Concen: 9.387 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL036959.D

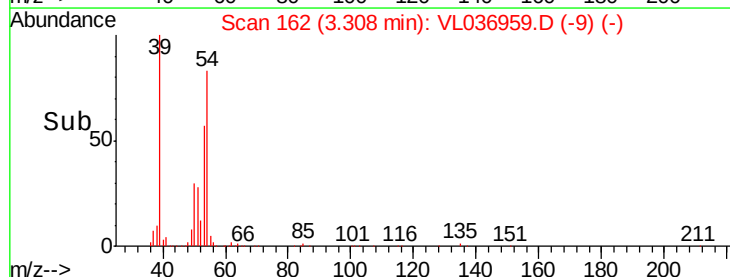
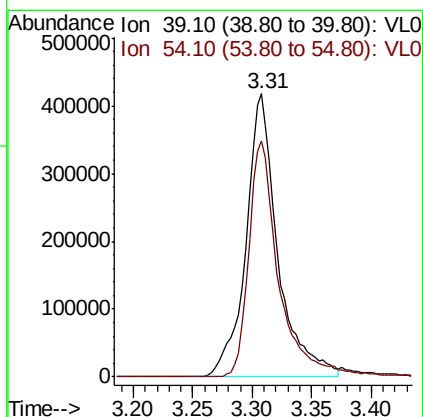
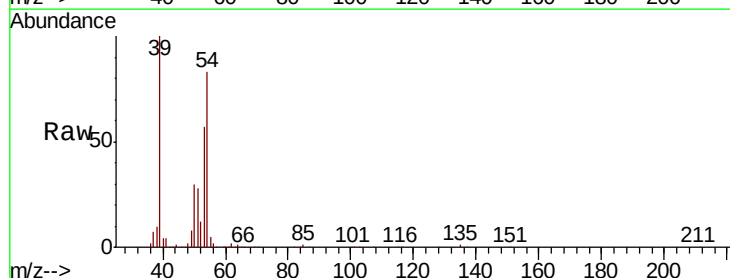
Acq: 18 May 2021 8:56

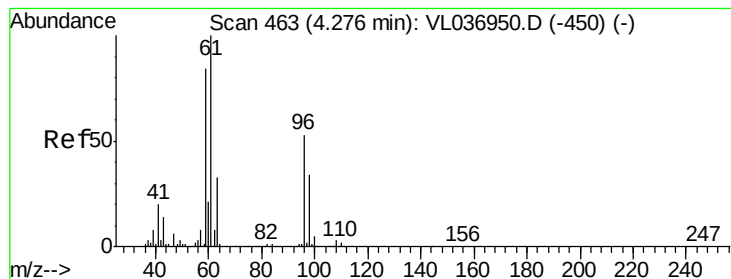
Tgt Ion: 39 Resp: 776028

Ion Ratio Lower Upper

39 100

54 79.0 63.2 94.8





#17

tert-Butyl alcohol

Concen: 9.828 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

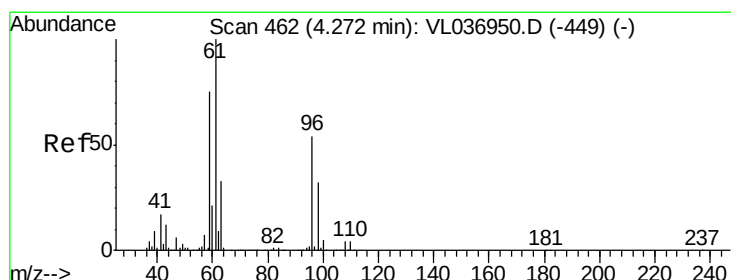
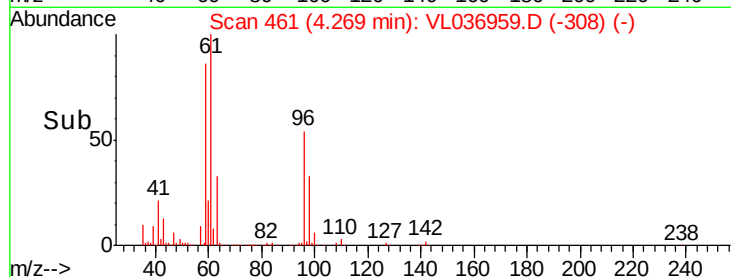
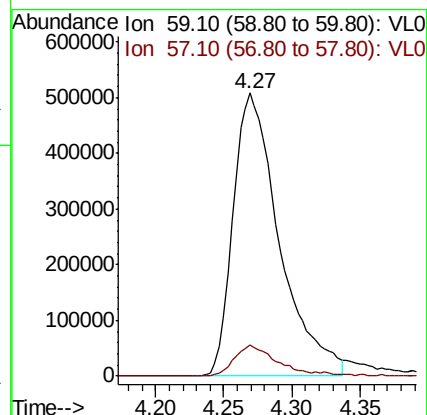
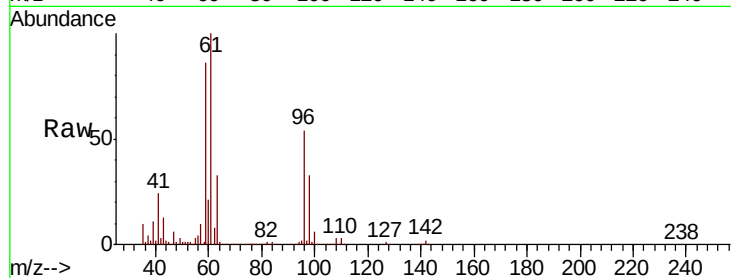
VL0518ABS01

Tot Ion: 59 Resp: 1197927

Ion Ratio Lower Upper

59 100

57 10.9 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.295 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

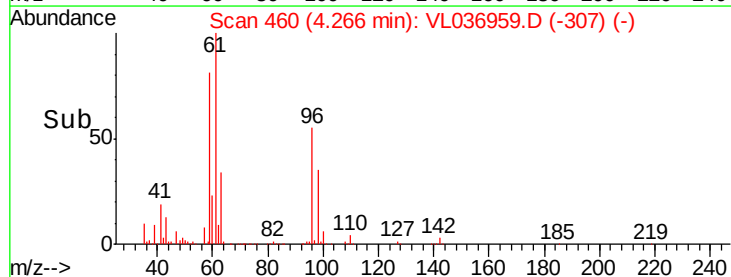
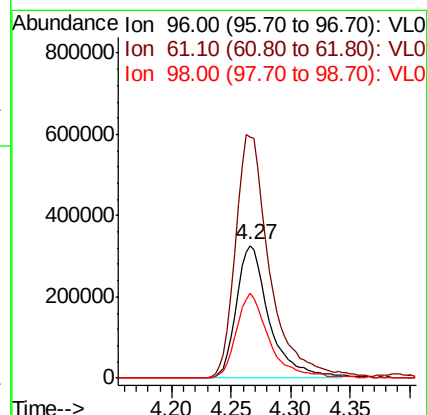
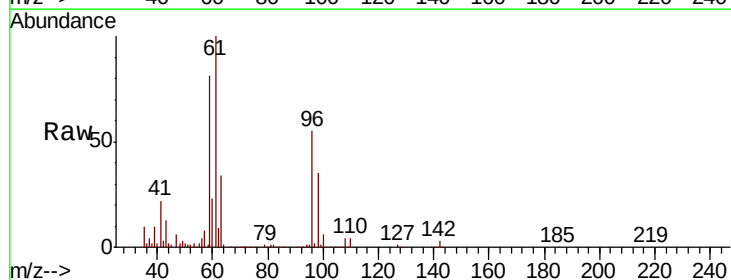
Tgt Ion: 96 Resp: 624539

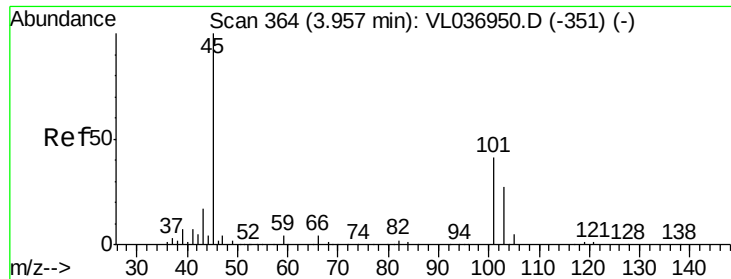
Ion Ratio Lower Upper

96 100

61 182.0 148.2 222.4

98 64.0 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.216 ppbv

RT: 4.01 min Scan# 380

Delta R.T. 0.05 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

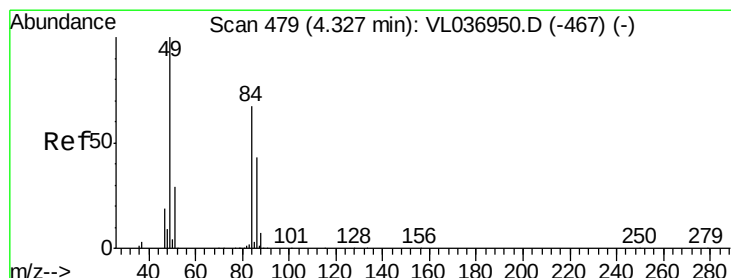
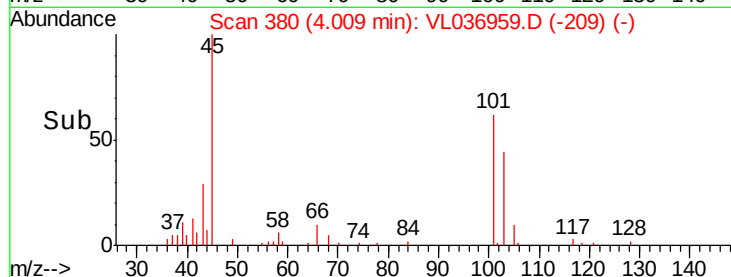
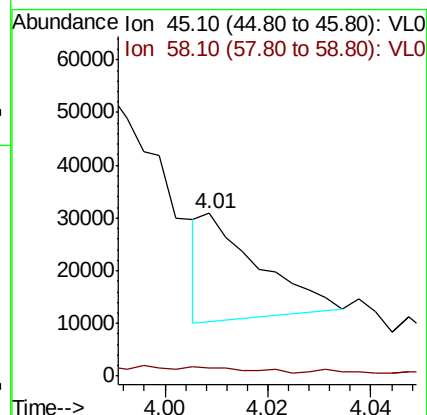
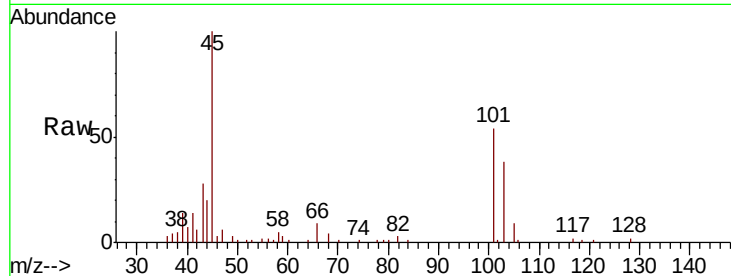
VL0518ABS01

Tot Ion: 45 Resp: 15475

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#



#20

Methylene Chloride

Concen: 7.505 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion: 84 Resp: 535358

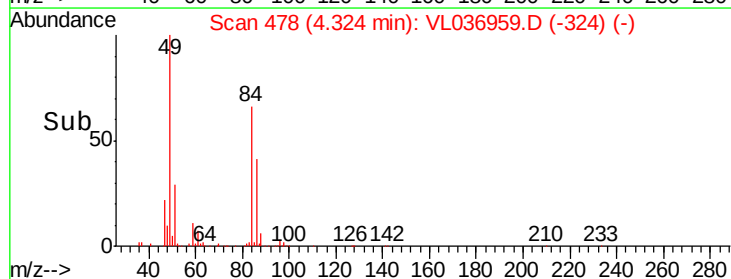
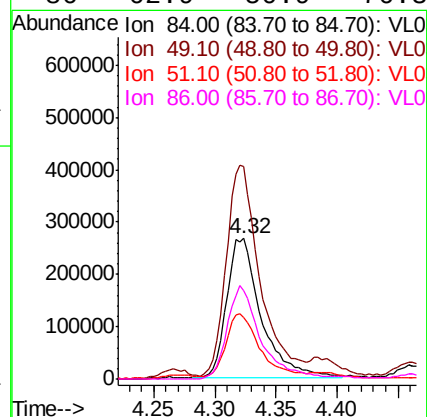
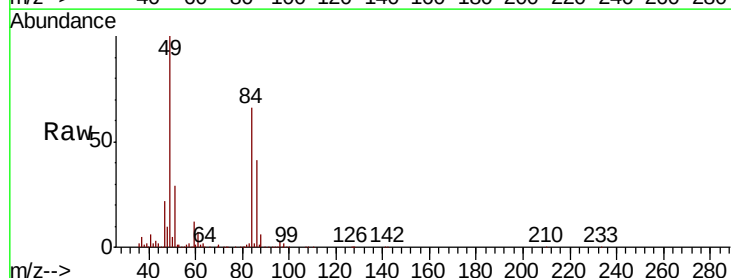
Ion Ratio Lower Upper

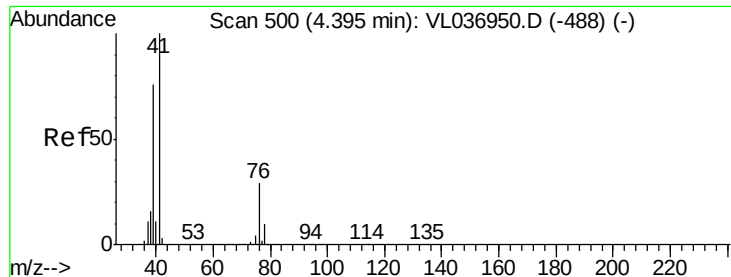
84 100

49 149.1 119.8 179.6

51 42.1 35.1 52.7

86 62.9 50.9 76.3

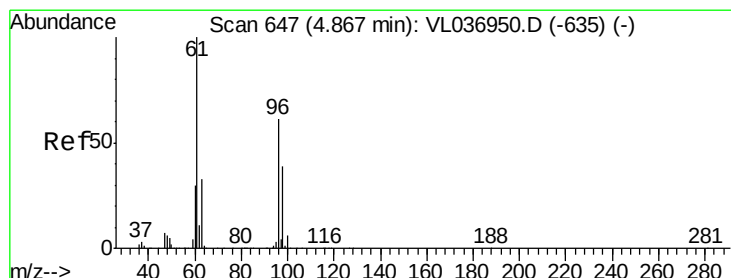
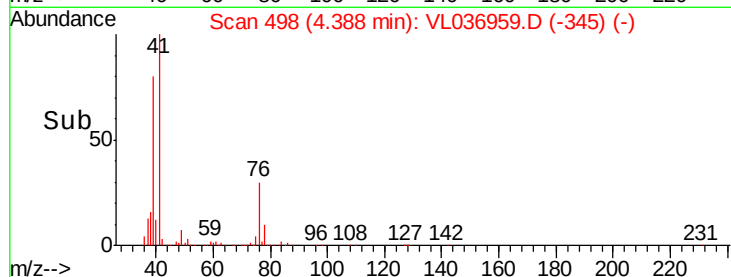
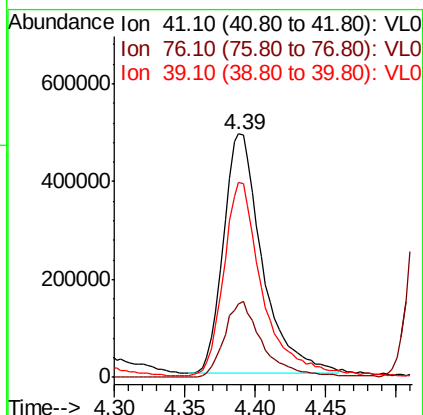
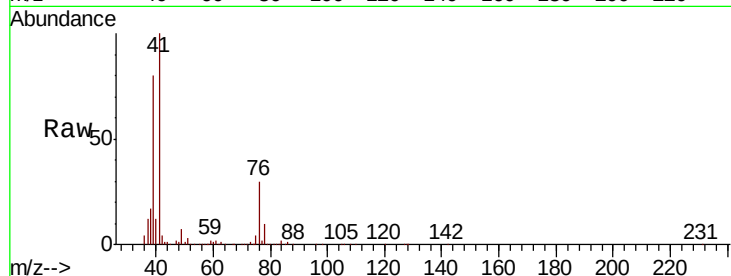




#21
Allvl Chloride
Concen: 9.387 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

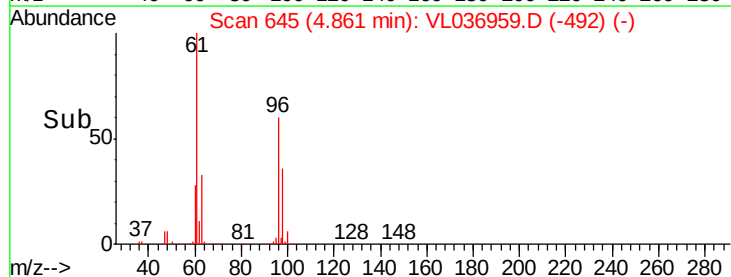
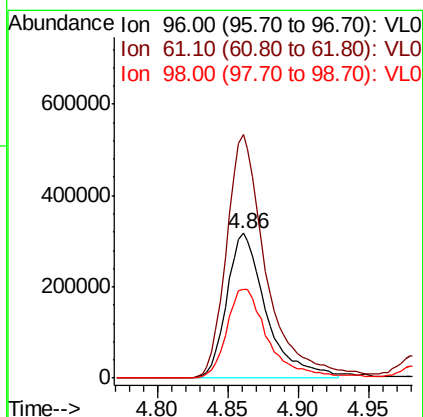
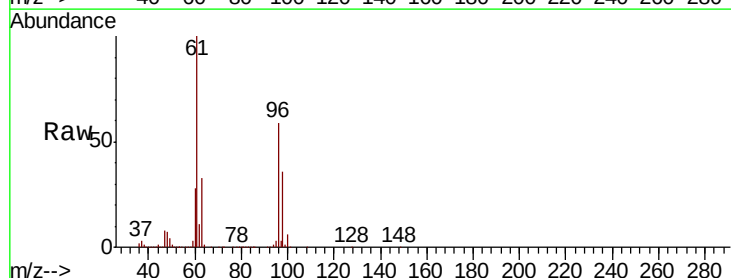
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABS01

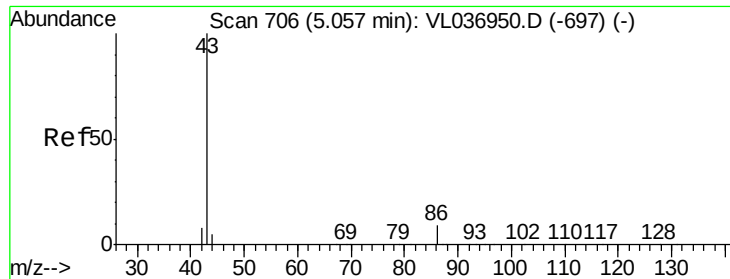
Tot Ion: 41 Resp: 942311
Ion Ratio Lower Upper
41 100
76 31.7 24.9 37.3
39 81.1 63.7 95.5



#22
trans-1,2-Dichloroethene
Concen: 9.678 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Tgt Ion: 96 Resp: 623207
Ion Ratio Lower Upper
96 100
61 167.8 130.6 196.0
98 61.1 50.8 76.2





#23

Vinyl Acetate

Concen: 9.701 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

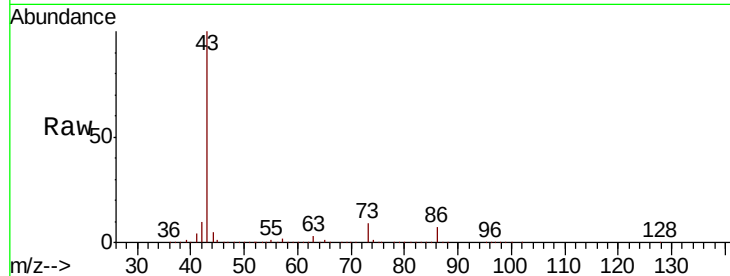
MSVOA_L

ClientSampleId :

VL0518ABS01

Tot Ion: 43 Resp: 2048833

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.7	7.4	11.2
44	4.7	3.3	4.9

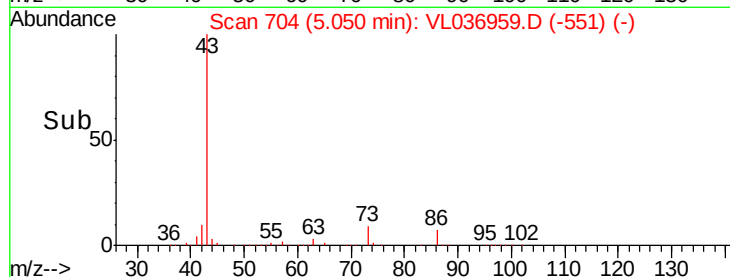


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



Abundance

5.05

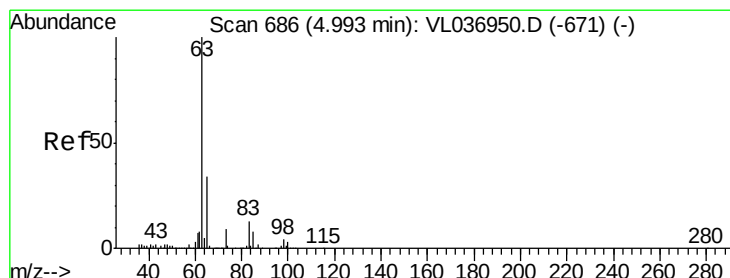
1000000

500000

0

Time-->

5.00 5.05 5.10 5.15



#24

1,1-Dichloroethane

Concen: 9.233 ppbv

RT: 4.99 min Scan# 684

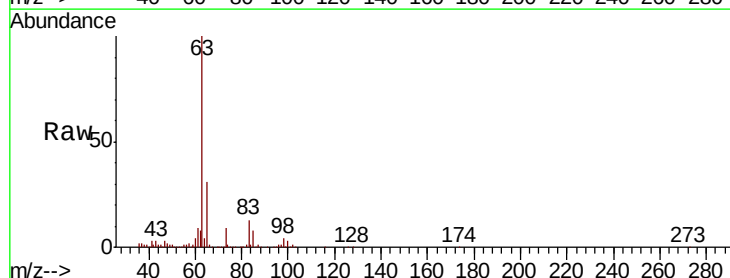
Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion: 63 Resp: 1403690

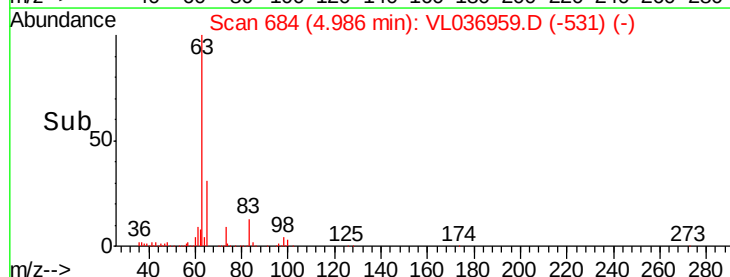
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.7	1.4	4.0



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



Abundance

4.99

800000

600000

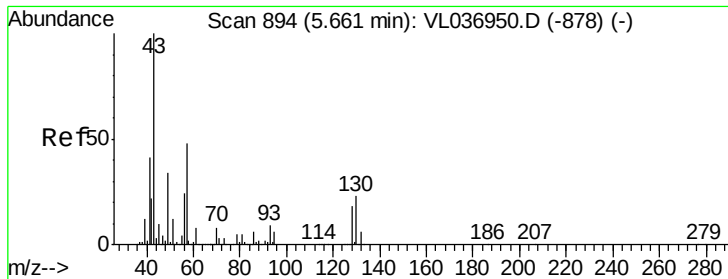
400000

200000

0

Time-->

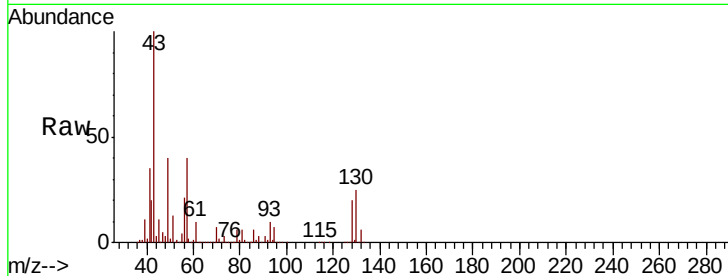
4.90 5.00 5.10



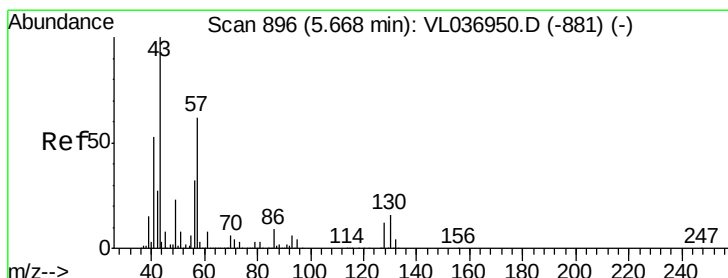
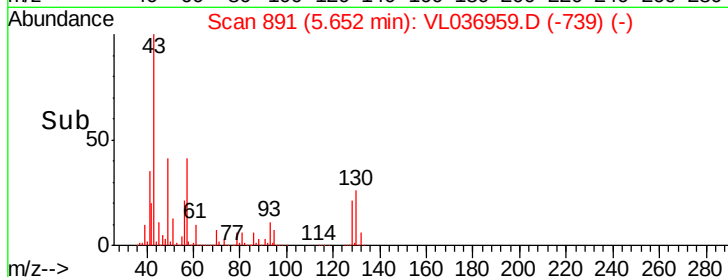
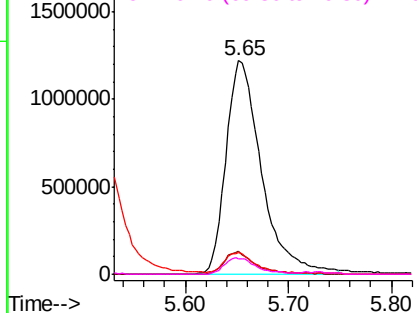
#25
Ethyl Acetate
Concen: 9.107 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Instrument :
MSVOA_L
ClientSampleId :
VL0518ABS01

Tot Ion:	43	Resp:	2911951
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.6	7.8	11.8
70	7.0	5.6	8.4

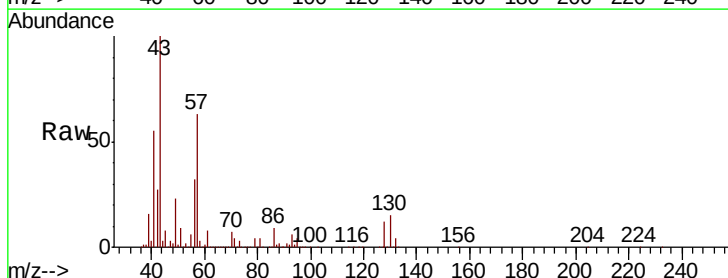


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

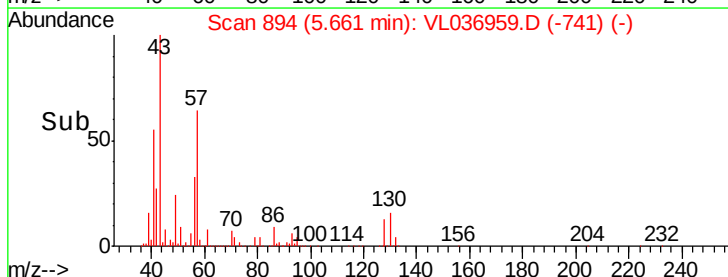
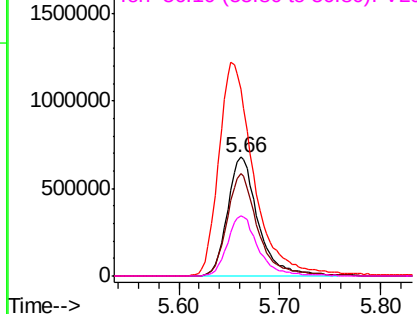


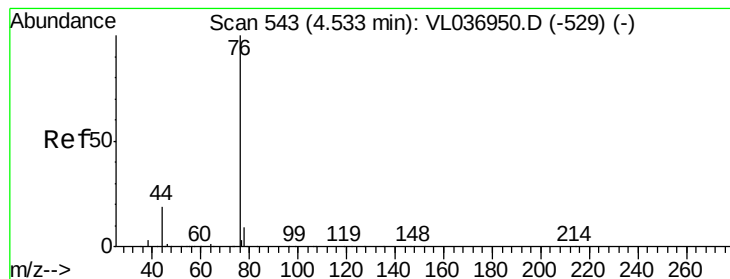
#26
Hexane
Concen: 8.779 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Tgt Ion:	57	Resp:	1434044
Ion	Ratio	Lower	Upper
57	100		
41	87.1	70.5	105.7
43	207.1	165.8	248.8
56	51.7	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: 9.598 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

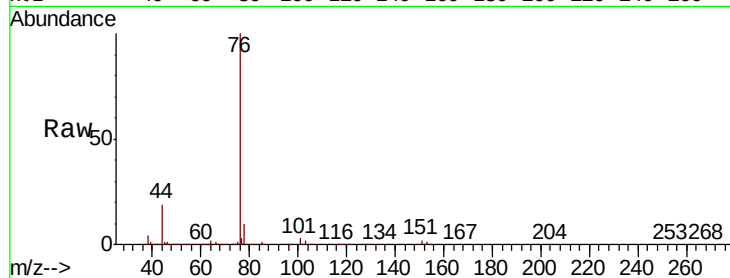
Tot Ion: 76 Resp: 1580087

Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.5	23.3
78	9.6	7.8	11.6

76 100

44 19.7 15.5 23.3

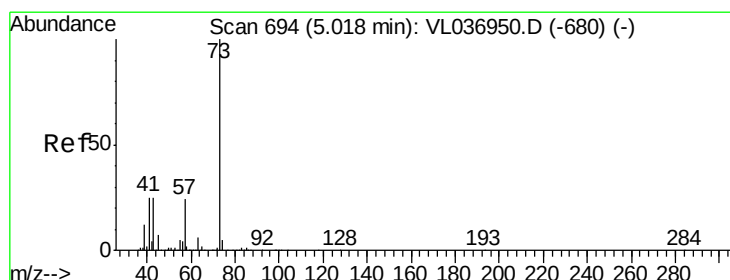
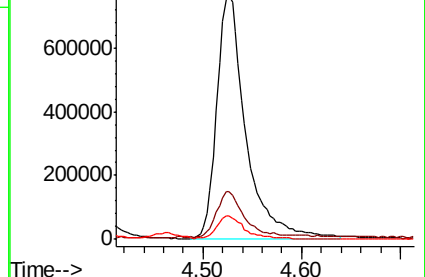
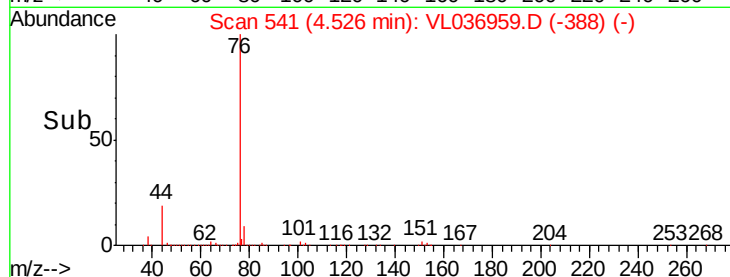
78 9.6 7.8 11.6



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: 8.865 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL036959.D

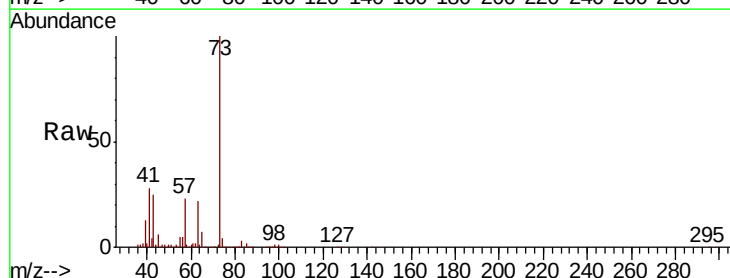
Acq: 18 May 2021 8:56

Tgt Ion: 73 Resp: 1735718

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.3	27.5

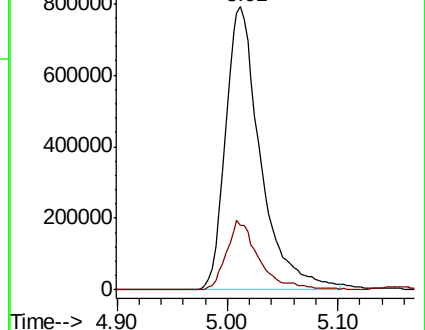
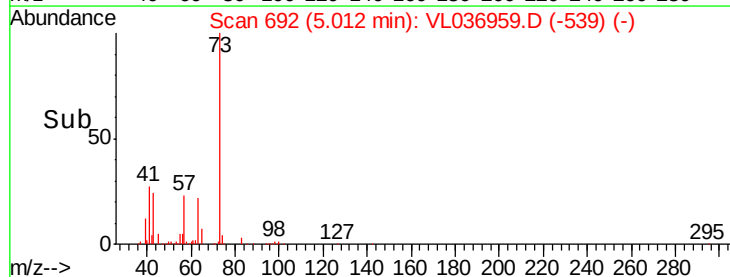
73 100

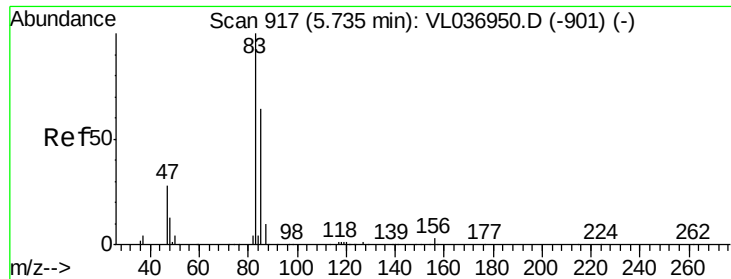
57 23.1 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.326 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

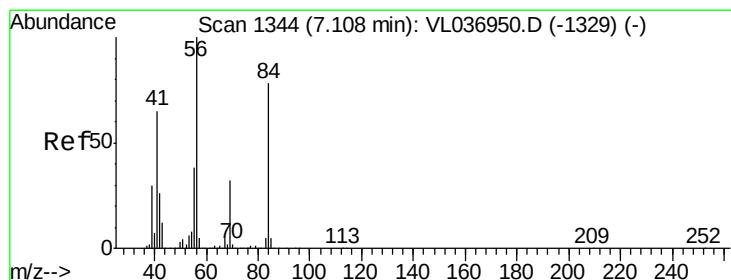
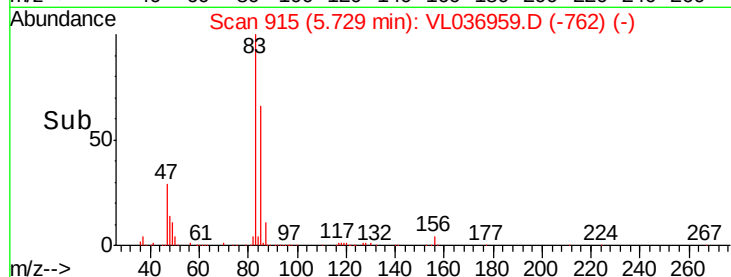
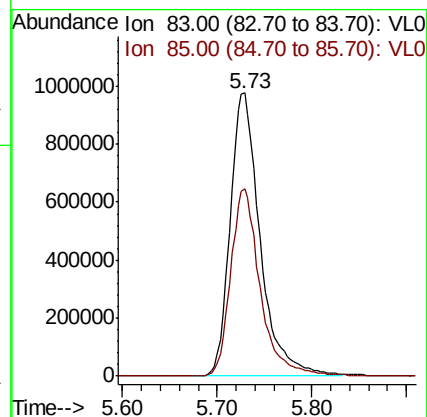
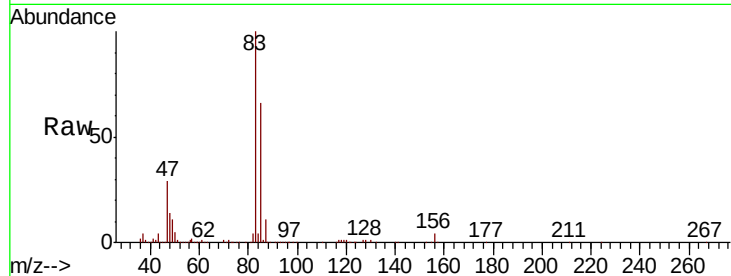
VL0518ABS01

Tot Ion: 83 Resp: 2152330

Ion Ratio Lower Upper

83 100

85 65.8 51.1 76.7



#30

Cyclohexane

Concen: 9.083 ppbv

RT: 7.10 min Scan# 1342

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

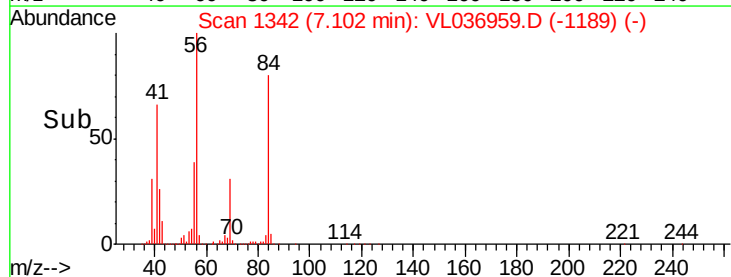
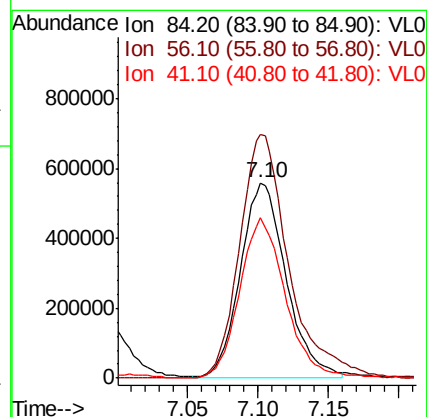
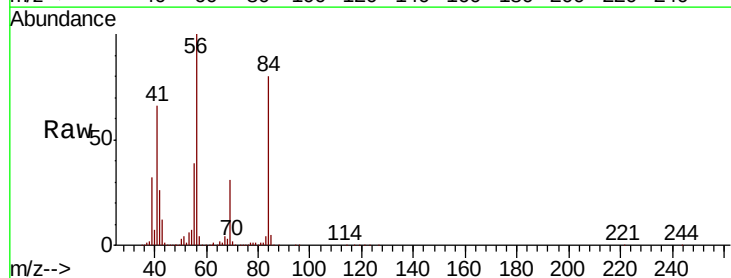
Tgt Ion: 84 Resp: 1260800

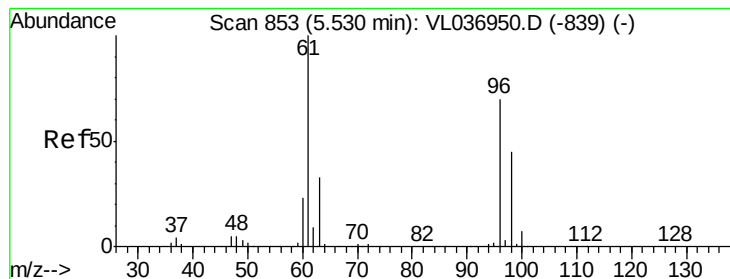
Ion Ratio Lower Upper

84 100

56 135.7 107.9 161.9

41 82.9 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 9.622 ppbv

RT: 5.52 min Scan# 851

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

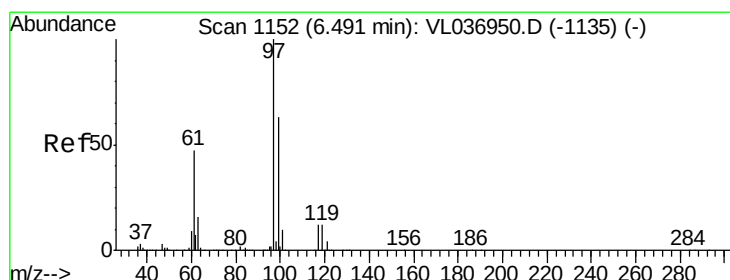
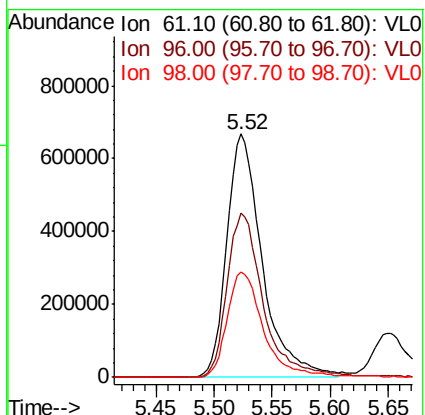
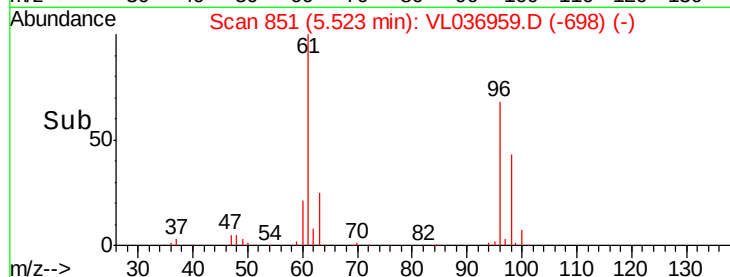
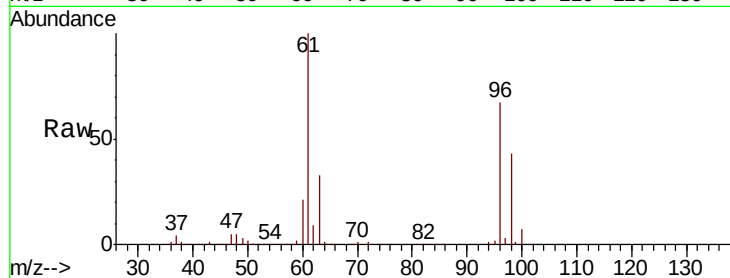
Tot Ion: 61 Resp: 1409181

Ion Ratio Lower Upper

61 100

96 67.3 55.9 83.9

98 43.2 35.6 53.4



#32

1,1,1-Trichloroethane

Concen: 8.949 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

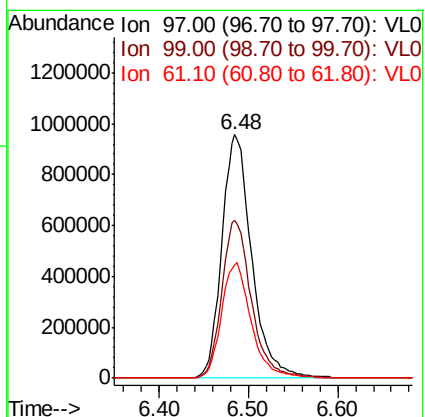
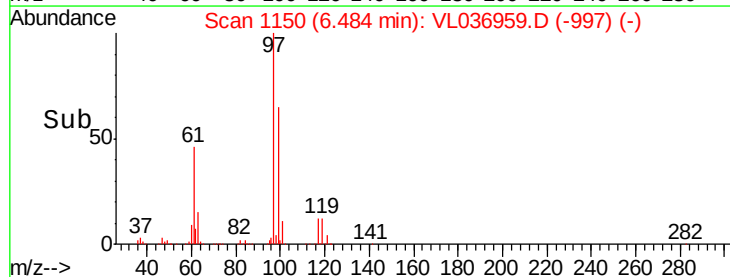
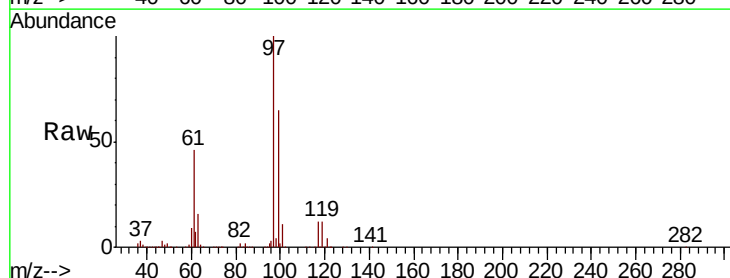
Tgt Ion: 97 Resp: 2217567

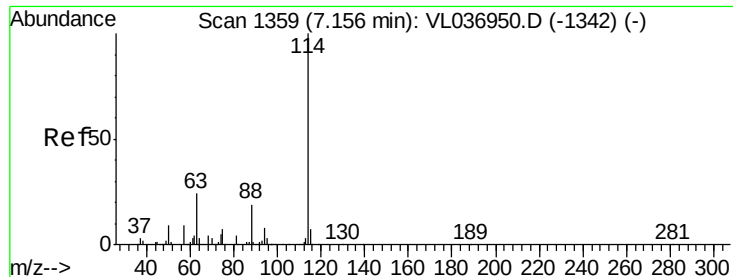
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 47.0 37.6 56.4

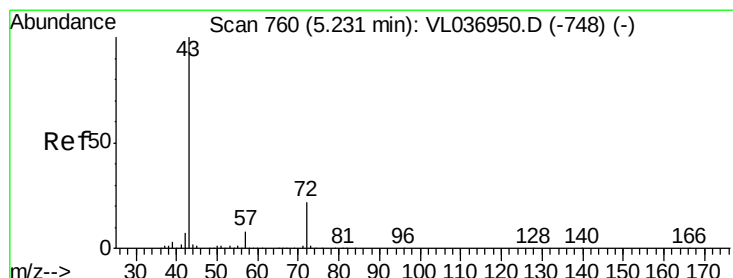
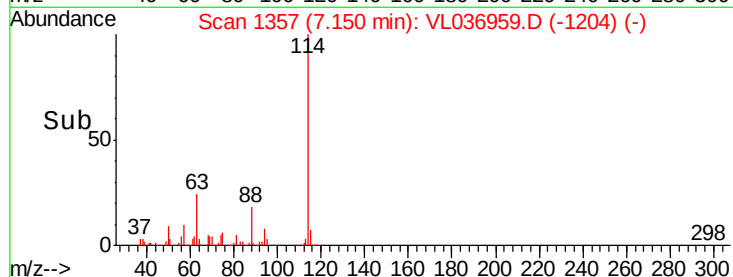
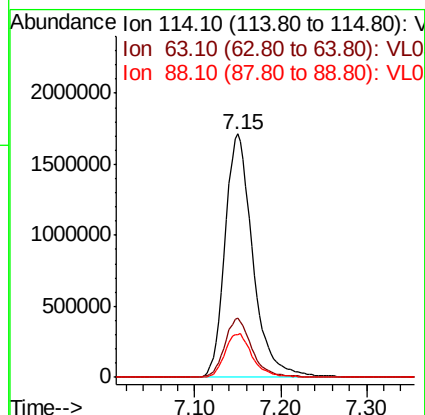
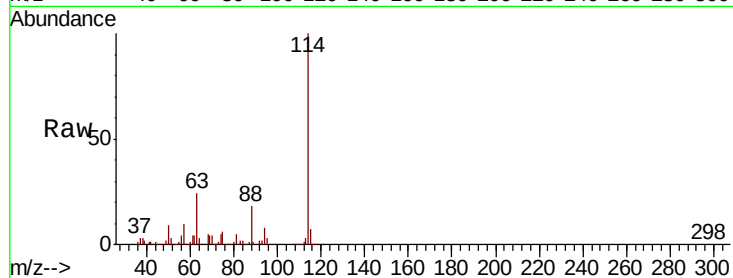




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

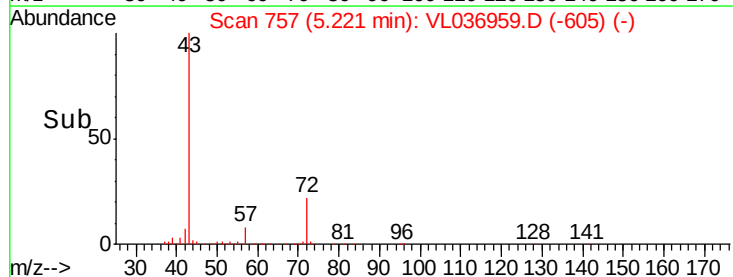
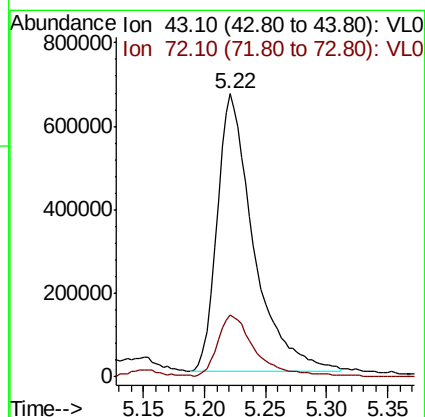
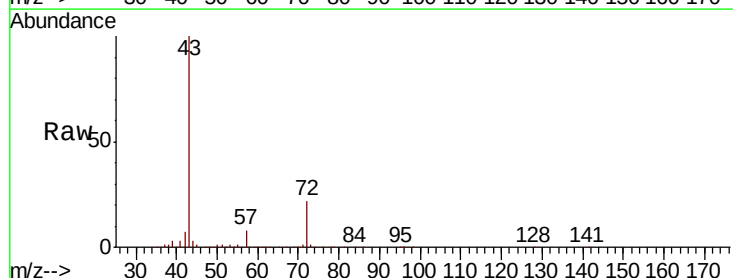
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0518ABS01

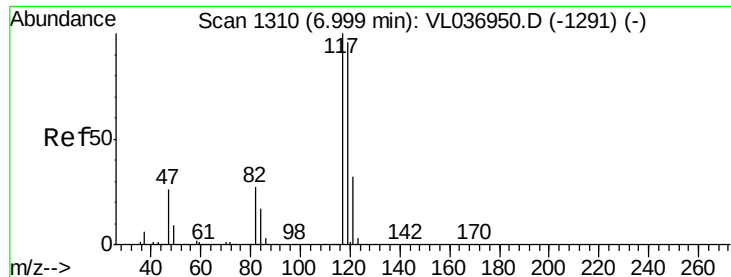
Tot Ion:114 Resp: 3856705
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.9 14.6 21.8



#34
 2-Butanone
 Concen: 9.892 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

Tgt Ion: 43 Resp: 1389137
 Ion Ratio Lower Upper
 43 100
 72 23.3 19.0 28.4

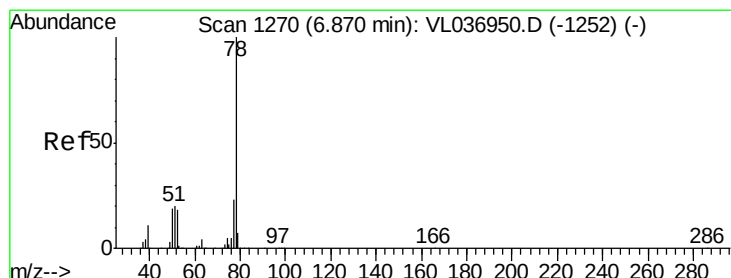
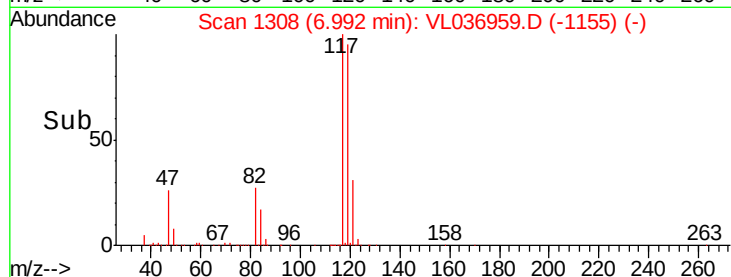
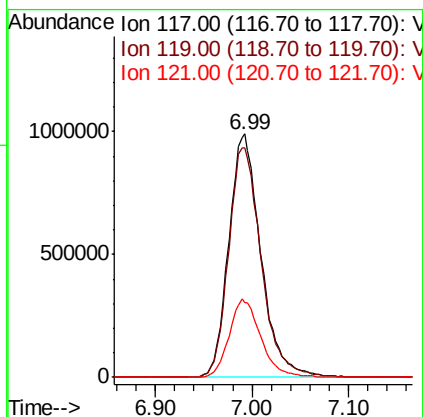
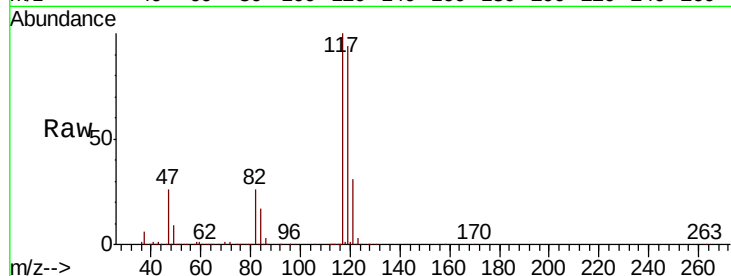




#35
Carbon Tetrachloride
Concen: 8.892 ppbv
RT: 6.99 min Scan# 1308
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

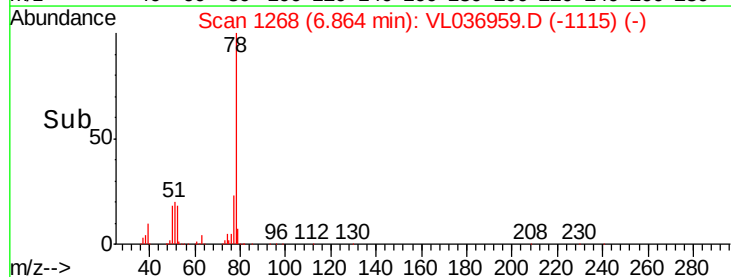
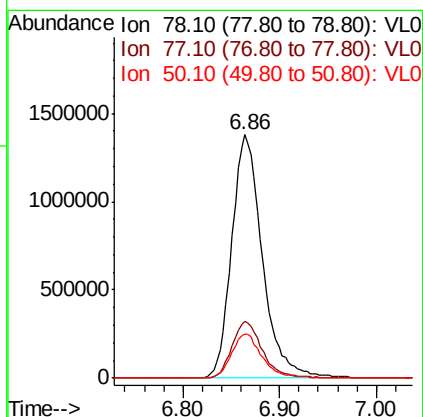
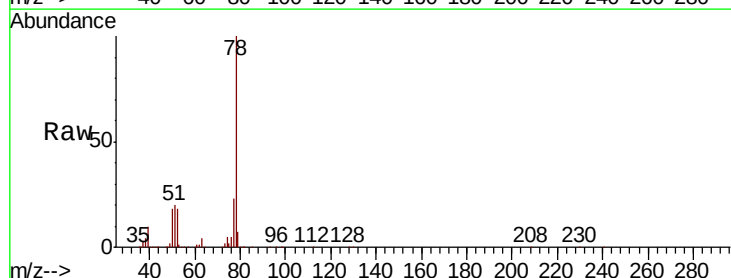
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABS01

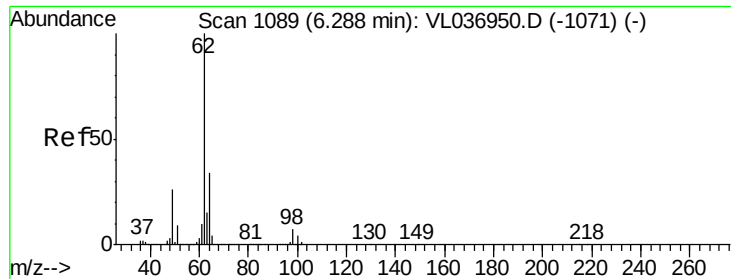
Tot Ion:117 Resp: 2278721
Ion Ratio Lower Upper
117 100
119 94.5 76.6 114.8
121 30.8 25.8 38.6



#36
Benzene
Concen: 9.157 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Tgt Ion: 78 Resp: 3041990
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0
50 18.3 15.0 22.4





#37

1,2-Dichloroethane

Concen: 9.494 ppbv

RT: 6.28 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

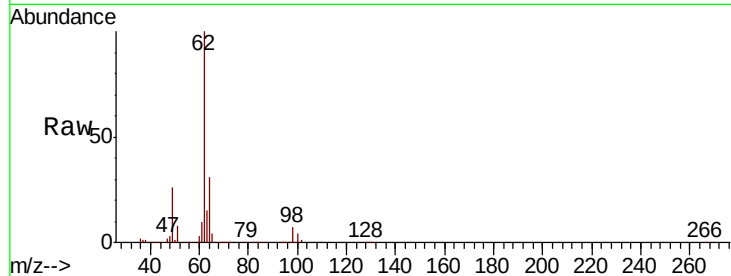
VL0518ABS01

Tot Ion: 62 Resp: 1563612

Ion Ratio Lower Upper

62 100

98 7.3 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.28

800000

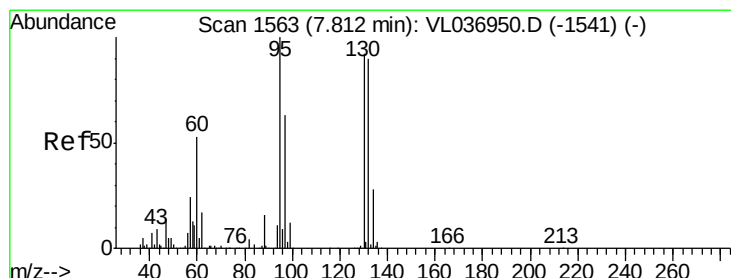
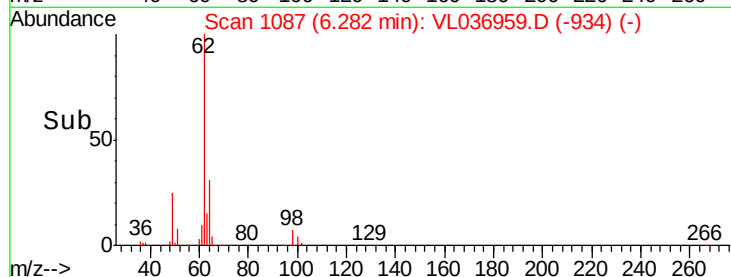
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.447 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion:130 Resp: 1200447

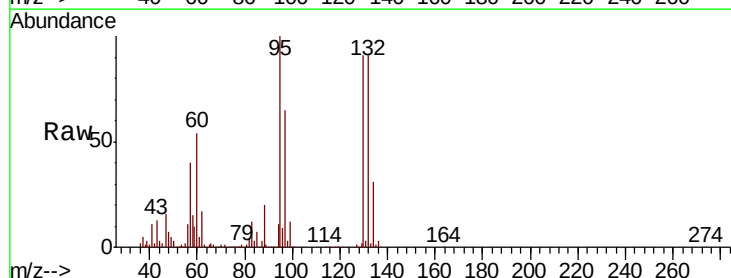
Ion Ratio Lower Upper

130 100

95 109.6 86.9 130.3

132 99.6 78.4 117.6

97 70.7 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

800000

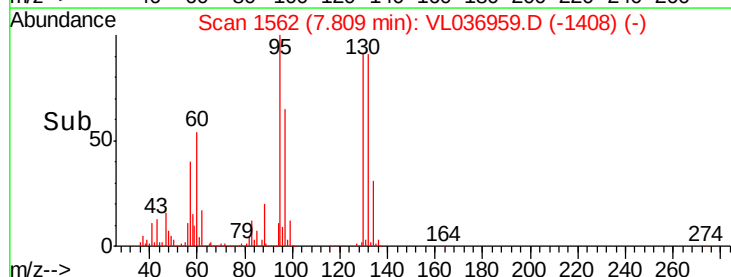
600000

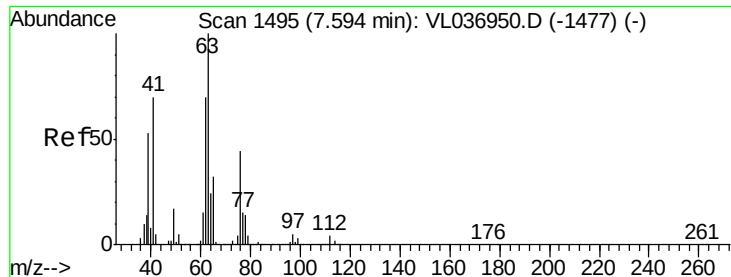
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.095 ppbv

RT: 7.59 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

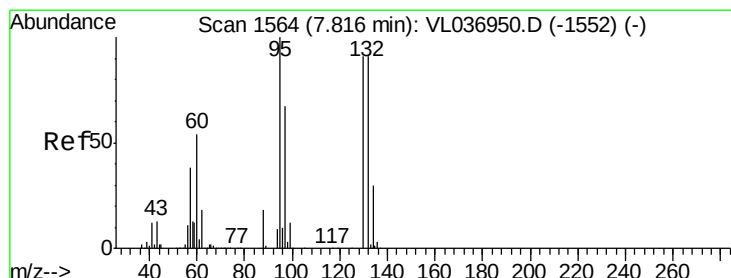
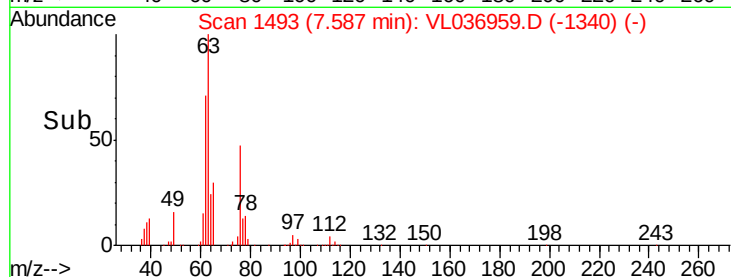
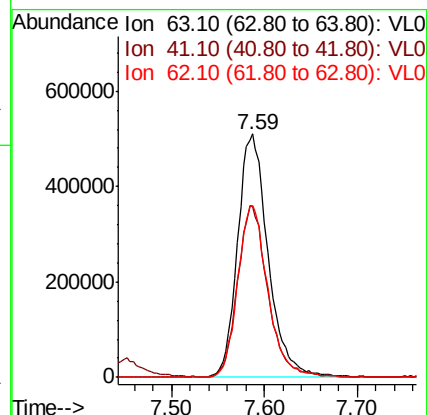
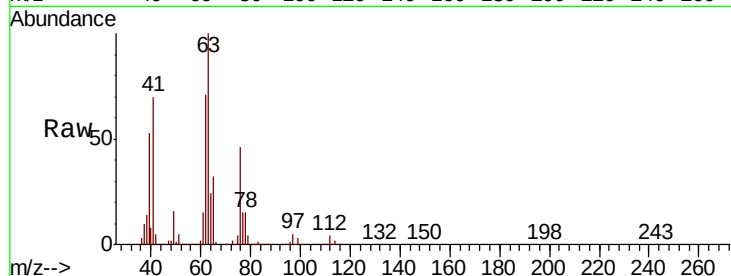
Tot Ion: 63 Resp: 1163934

Ion Ratio Lower Upper

63 100

41 70.0 55.7 83.5

62 70.5 56.2 84.4



#40

1,4-Dioxane

Concen: 9.679 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion: 88 Resp: 292457

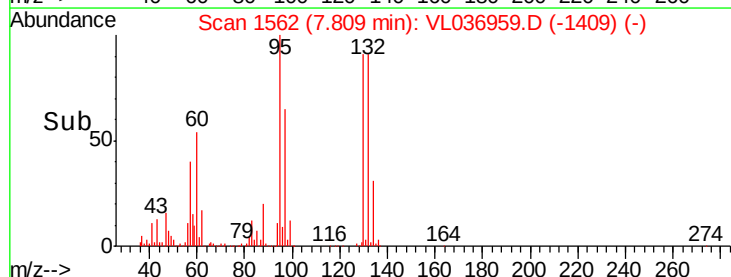
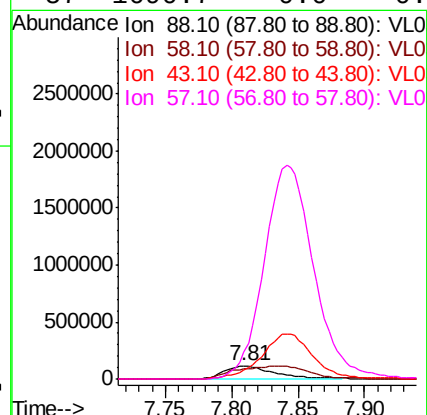
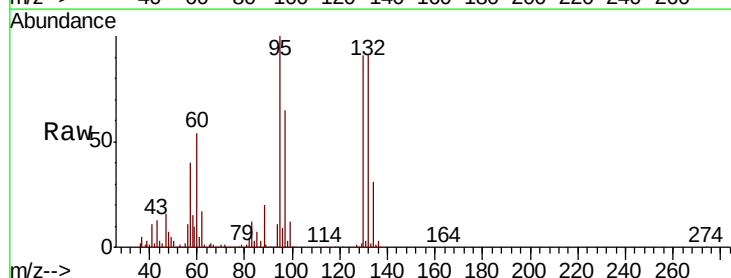
Ion Ratio Lower Upper

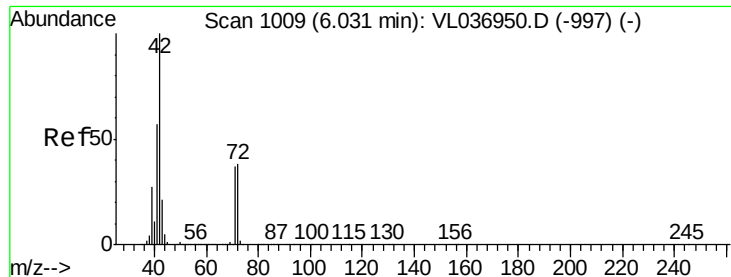
88 100

58 152.7 0.0 0.0#

43 370.8 0.0 0.0#

57 1690.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.365 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

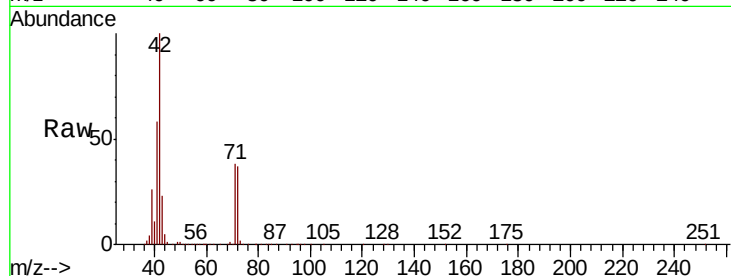
Tot Ion: 42 Resp: 749060

Ion Ratio Lower Upper

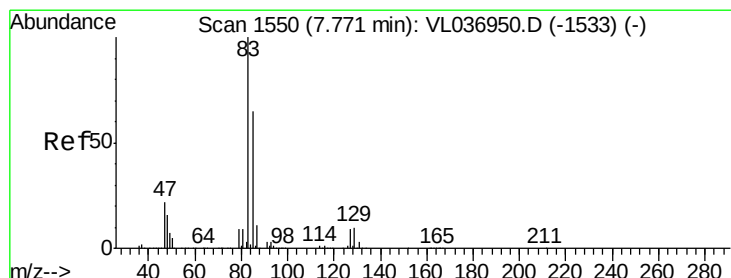
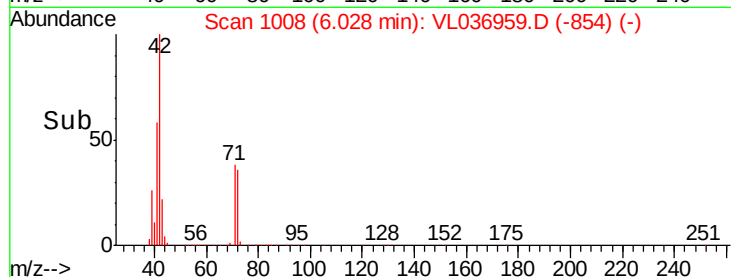
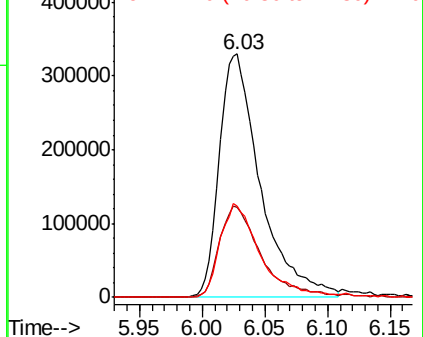
42 100

72 38.9 31.4 47.2

71 39.0 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: 9.526 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

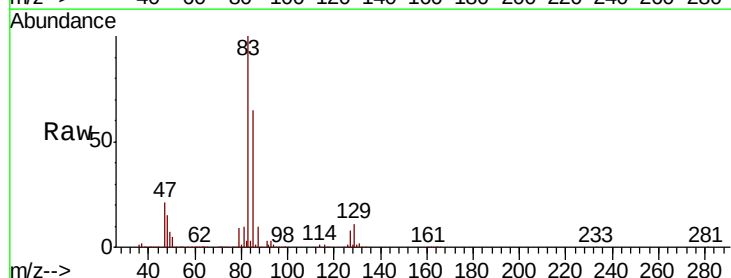
Tgt Ion: 83 Resp: 2373498

Ion Ratio Lower Upper

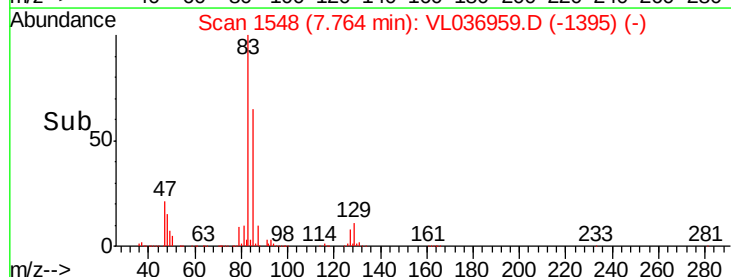
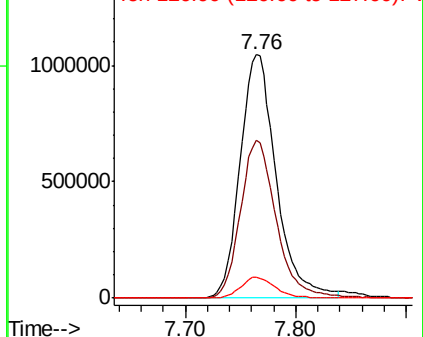
83 100

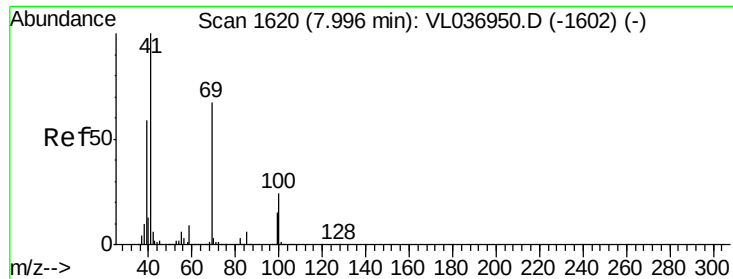
85 65.1 51.7 77.5

127 8.5 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

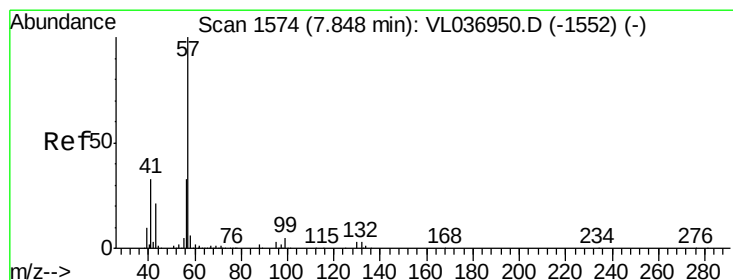
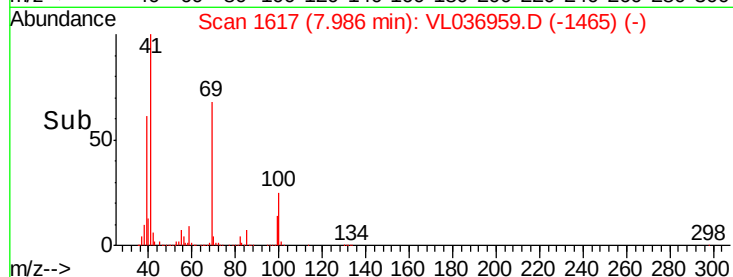
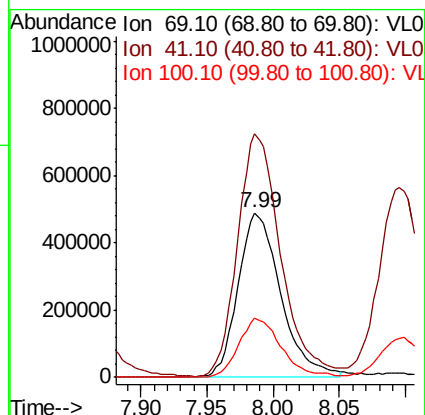
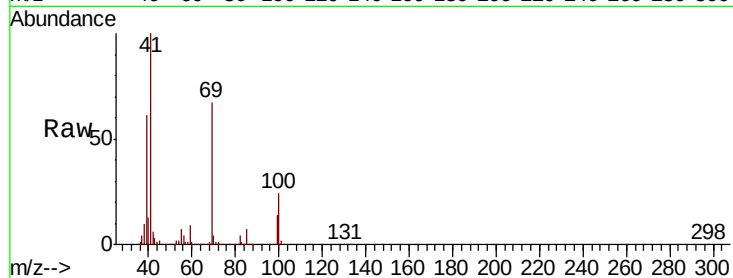




#43
Methyl Methacrylate
Concen: 9.550 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

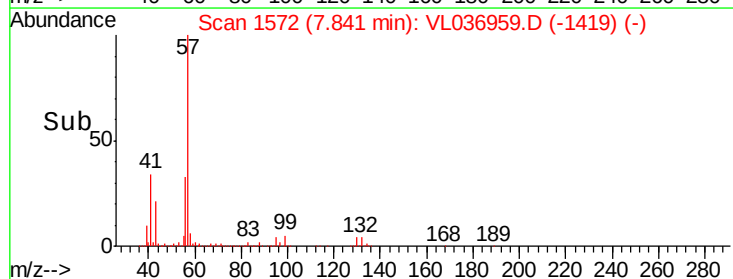
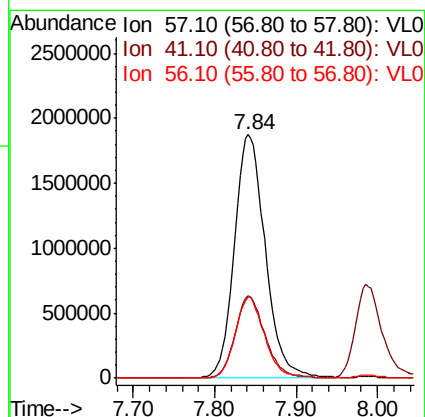
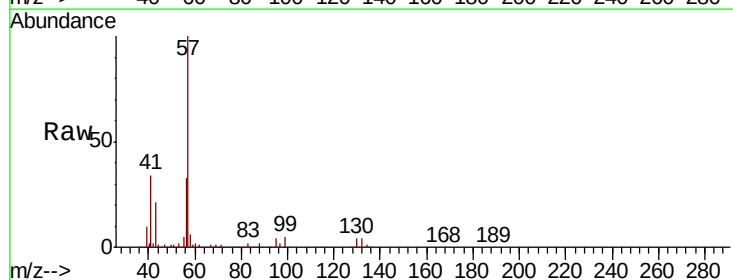
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABS01

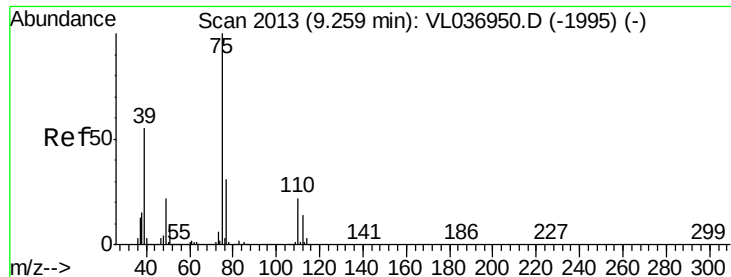
Tot Ion: 69 Resp: 1093490
Ion Ratio Lower Upper
69 100
41 149.7 118.6 178.0
100 36.2 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 8.675 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Tgt Ion: 57 Resp: 4944260
Ion Ratio Lower Upper
57 100
41 32.8 27.0 40.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 13.260 ppbv

RT: 9.25 min Scan# 2010

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

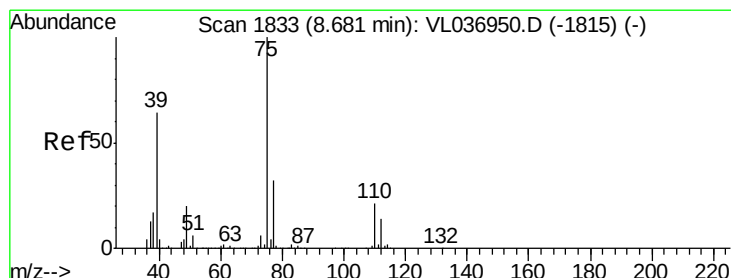
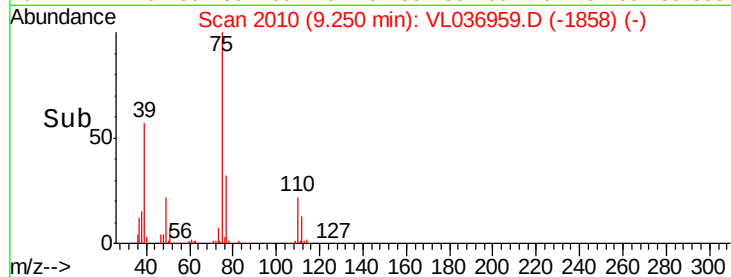
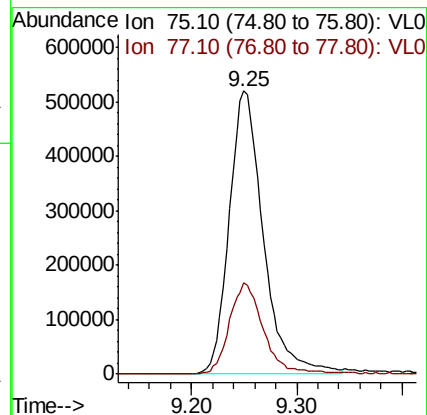
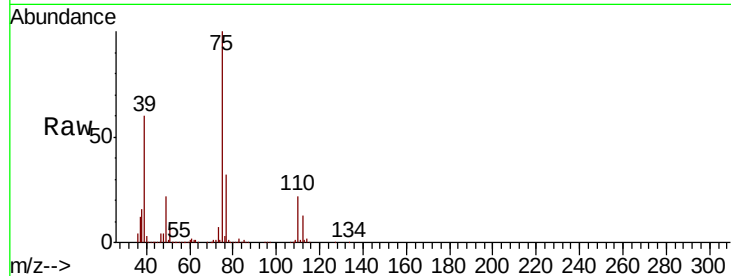
VL0518ABS01

Tot Ion: 75 Resp: 1159946

Ion Ratio Lower Upper

75 100

77 32.1 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 12.324 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

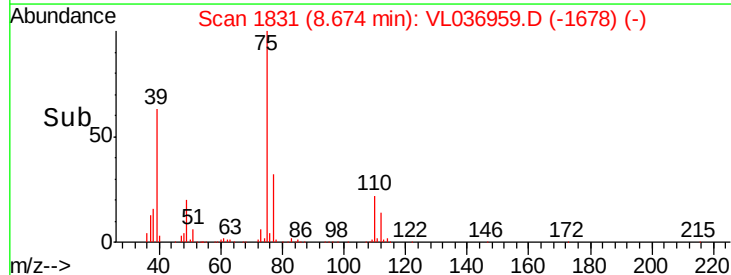
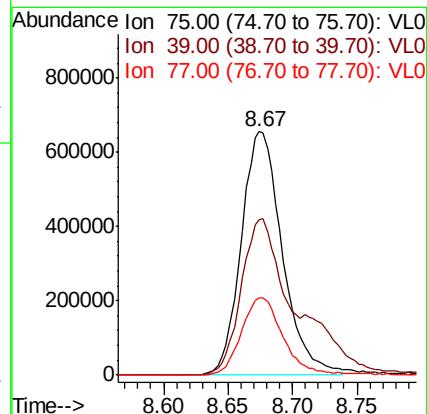
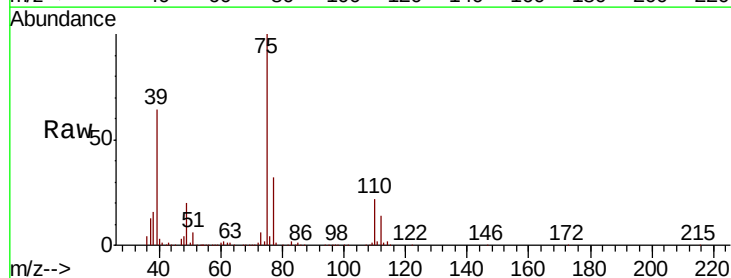
Tgt Ion: 75 Resp: 1450061

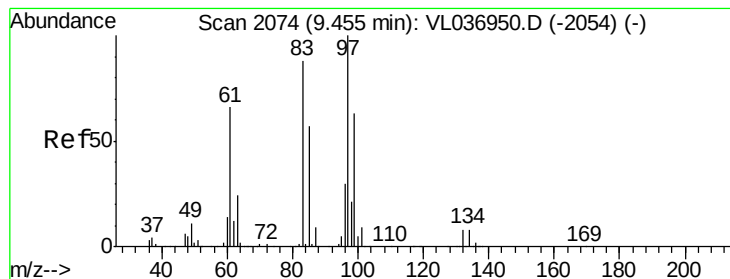
Ion Ratio Lower Upper

75 100

39 63.7 51.5 77.3

77 31.8 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 9.313 ppbv

RT: 9.45 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

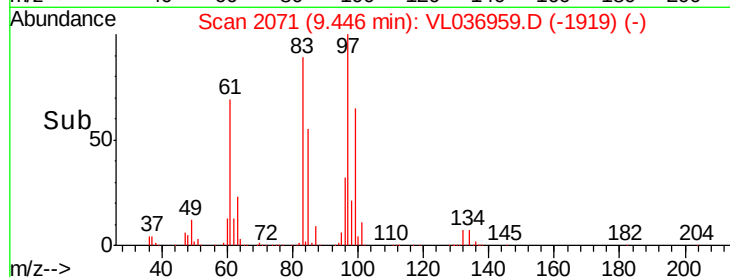
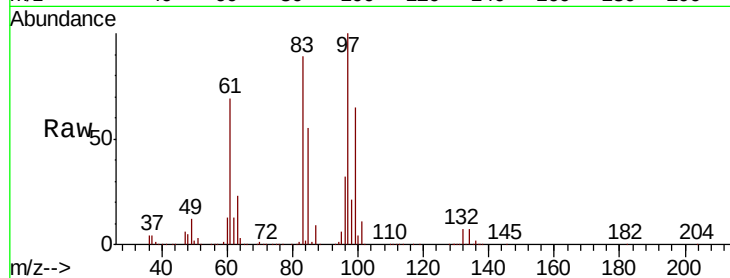
MSVOA_L

ClientSampleId :

VL0518ABS01

Tot Ion: 97 Resp: 1247327

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.4	105.6
85	55.1	45.5	68.3
99	65.3	50.2	75.2



Abundance

Ion 97.00 (96.70 to 97.70): VL0

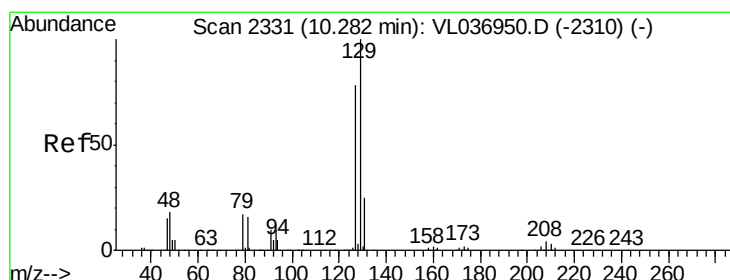
Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

9.45

Time-->



#48

Dibromochloromethane

Concen: 9.950 ppbv

RT: 10.28 min Scan# 2329

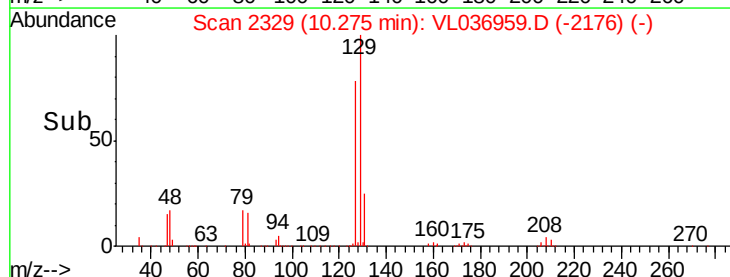
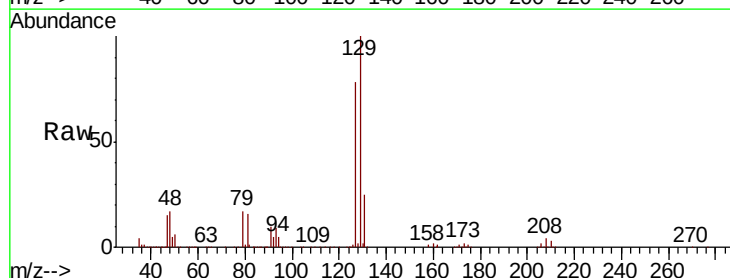
Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion: 129 Resp: 2157902

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.8



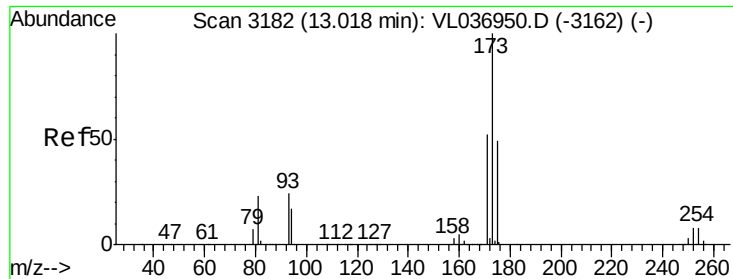
Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.28

Time-->



#49

Bromoform

Concen: 10.240 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

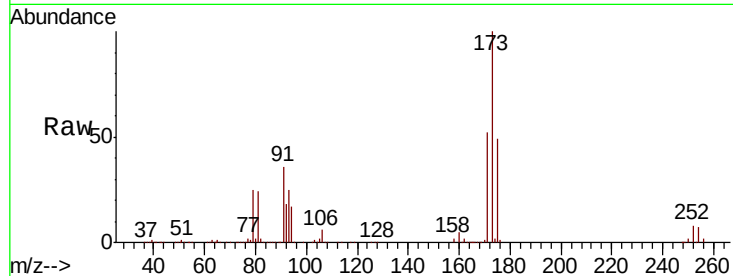
Tot Ion:173 Resp: 1834031

Ion Ratio Lower Upper

173 100

175 50.3 40.4 60.6

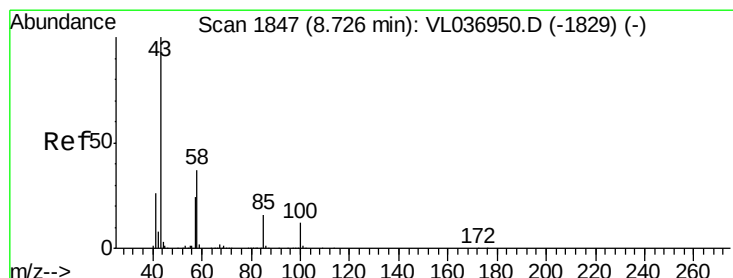
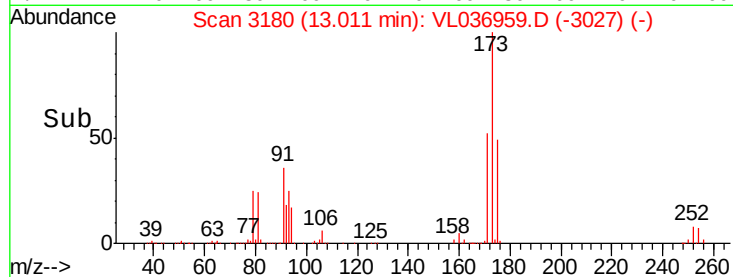
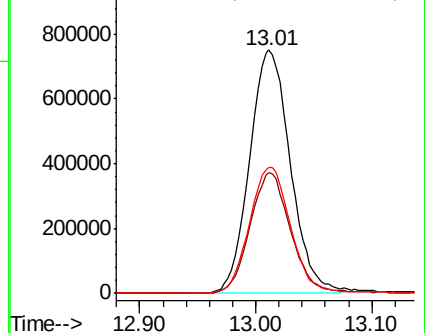
171 53.4 42.6 64.0



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: 9.262 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL036959.D

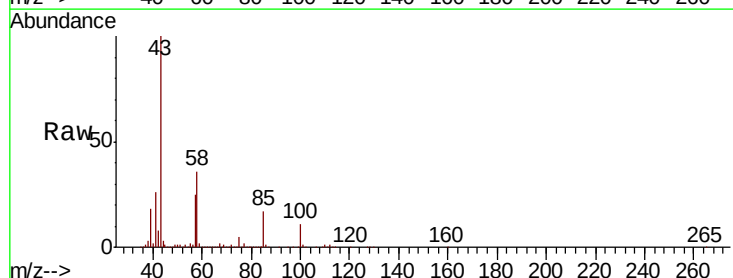
Acq: 18 May 2021 8:56

Tgt Ion: 43 Resp: 2146332

Ion Ratio Lower Upper

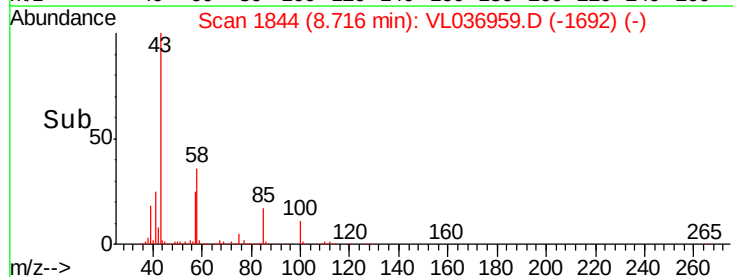
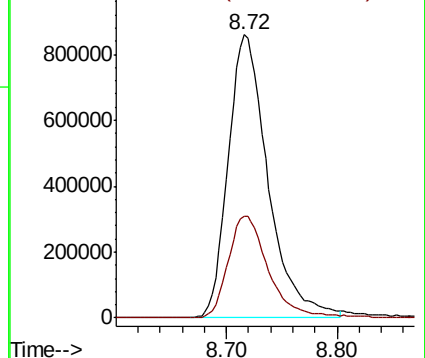
43 100

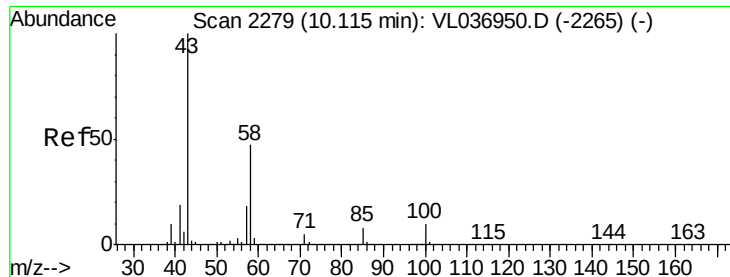
58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.174 ppbv

RT: 10.11 min Scan# 2277

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

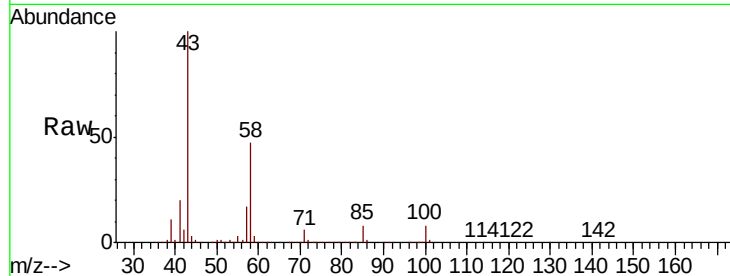
Tot Ion: 43 Resp: 1123875

Ion Ratio Lower Upper

43 100

58 51.6 41.1 61.7

98 0.2 0.1 0.1#

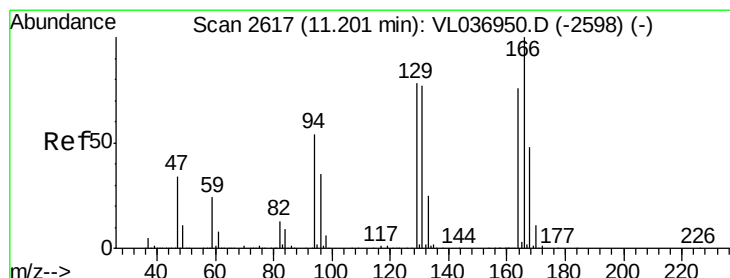
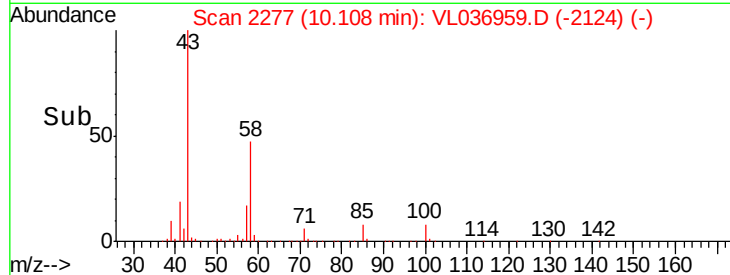
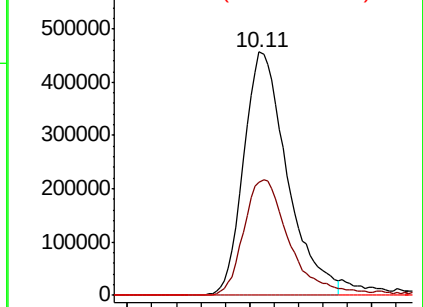


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.050 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion: 164 Resp: 1195532

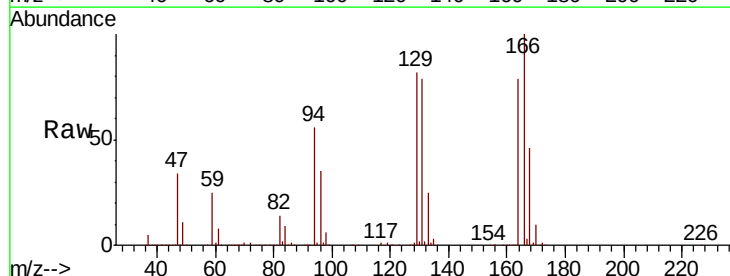
Ion Ratio Lower Upper

164 100

166 126.0 105.5 158.3

129 103.7 81.8 122.8

131 99.8 81.2 121.8



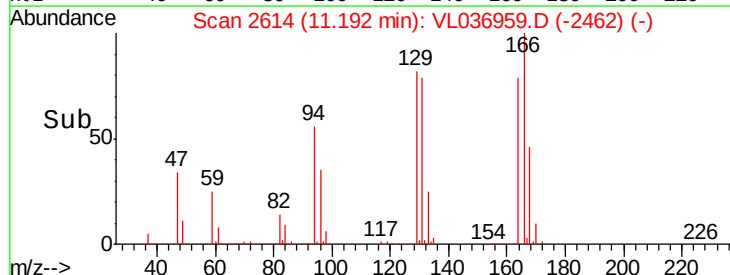
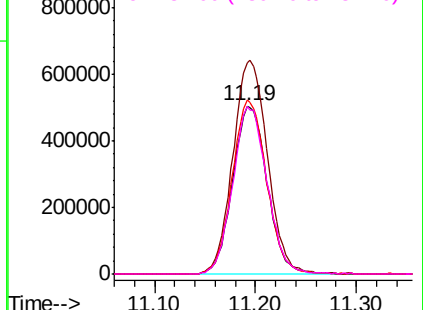
Abundance

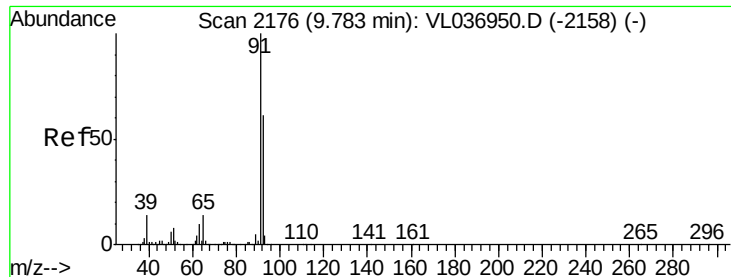
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.133 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

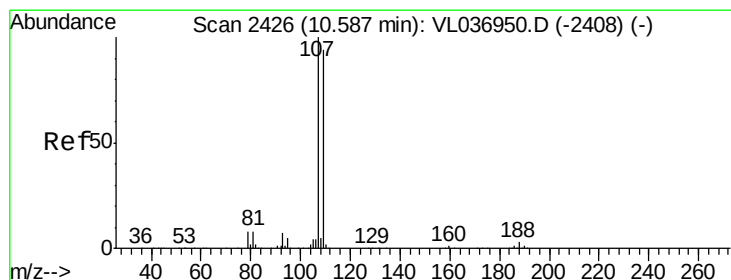
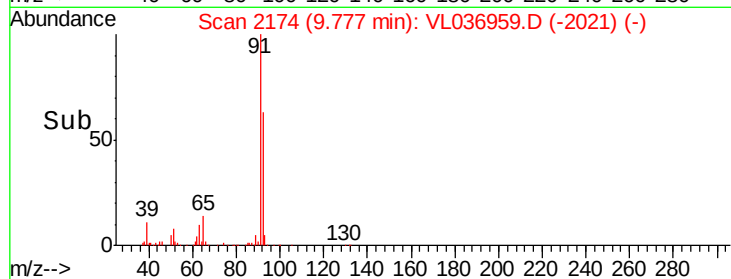
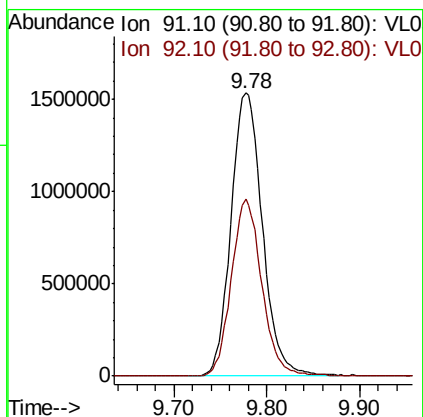
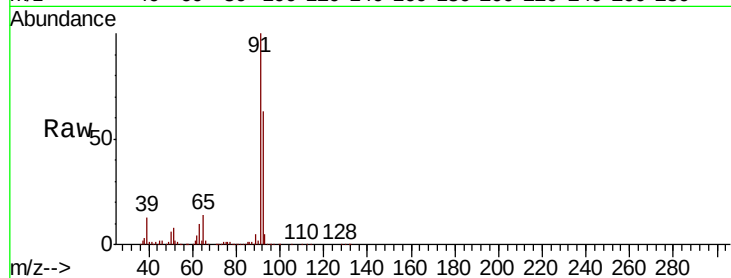
VL0518ABS01

Tot Ion: 91 Resp: 3609957

Ion Ratio Lower Upper

91 100

92 60.8 49.5 74.3



#54

1,2-Dibromoethane

Concen: 9.633 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL036959.D

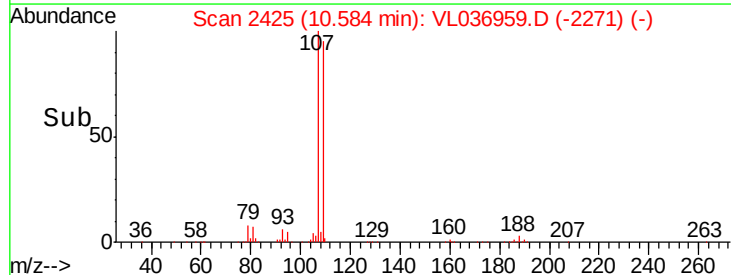
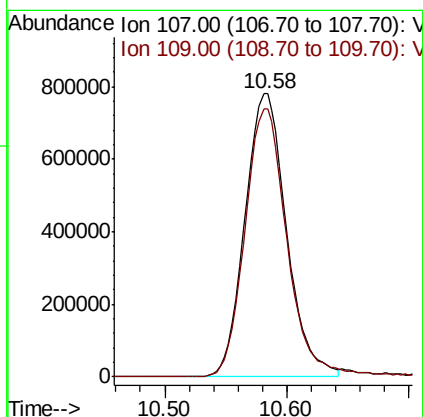
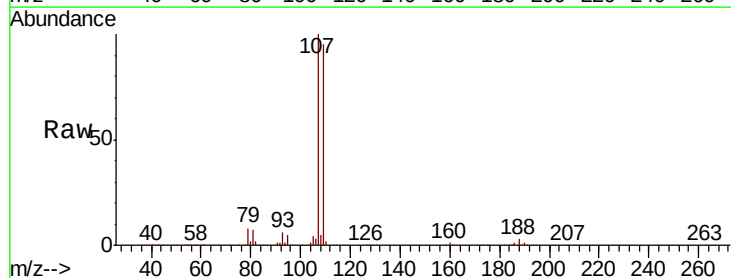
Acq: 18 May 2021 8:56

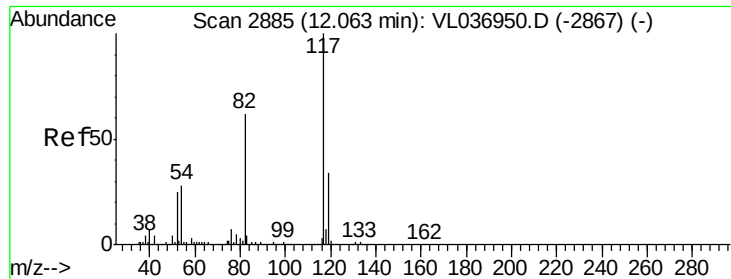
Tgt Ion: 107 Resp: 1834223

Ion Ratio Lower Upper

107 100

109 94.8 75.0 112.4

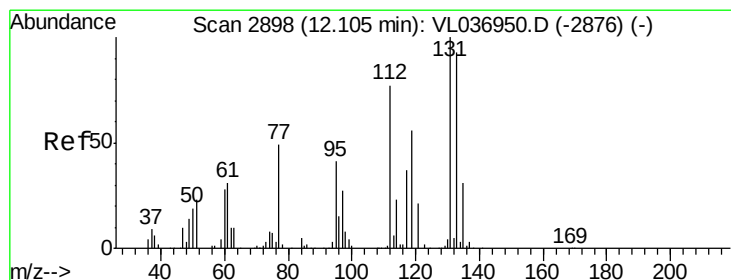
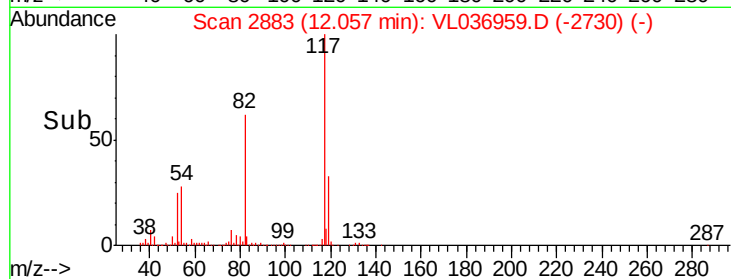
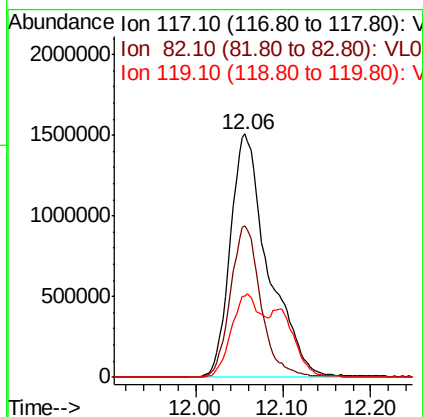
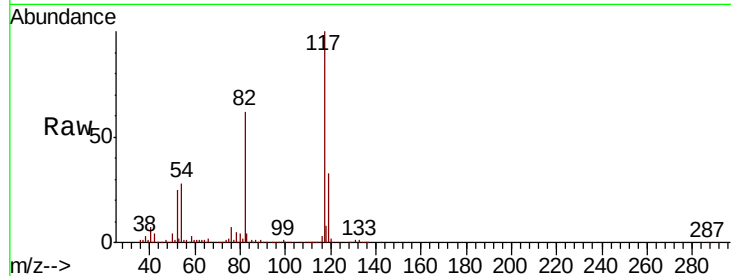




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

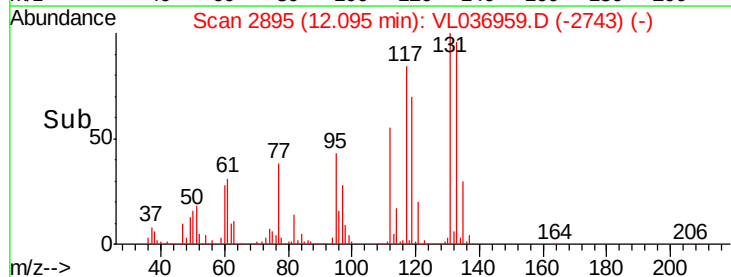
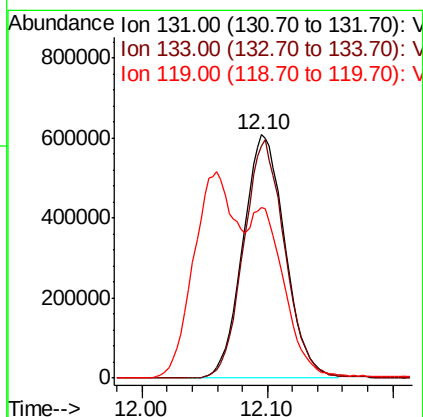
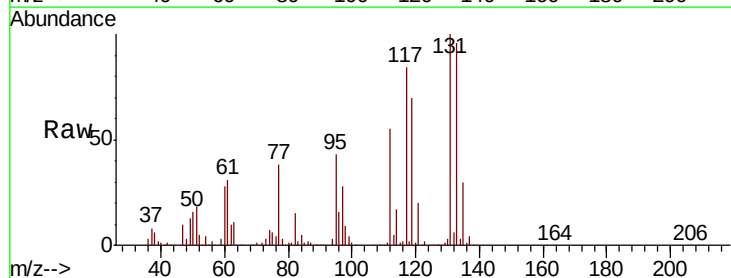
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABS01

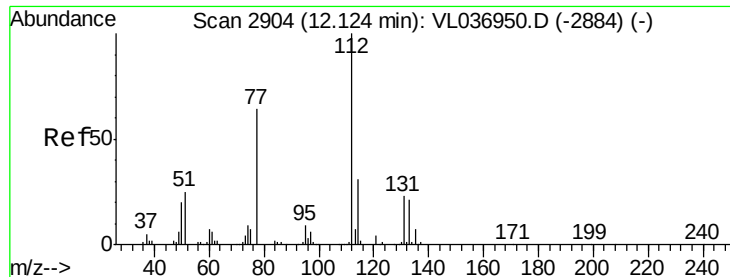
Tot Ion:117 Resp: 4535873
Ion Ratio Lower Upper
117 100
82 50.7 52.6 79.0#
119 46.4 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.458 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Tgt Ion:131 Resp: 1423383
Ion Ratio Lower Upper
131 100
133 96.2 76.9 115.3
119 147.8 120.2 180.4





#57

Chlorobenzene

Concen: 7.613 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

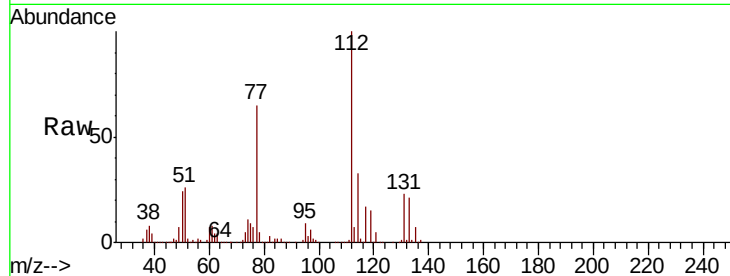
Tot Ion:112 Resp: 2677514

Ion Ratio Lower Upper

112 100

77 63.9 51.0 76.6

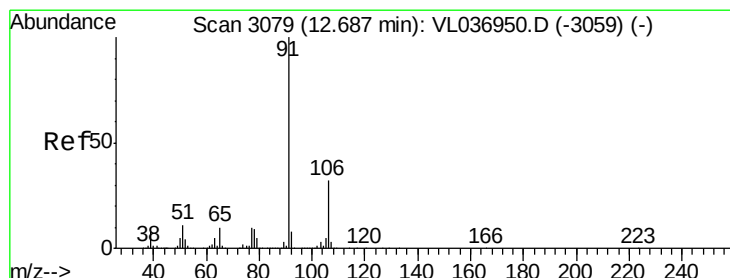
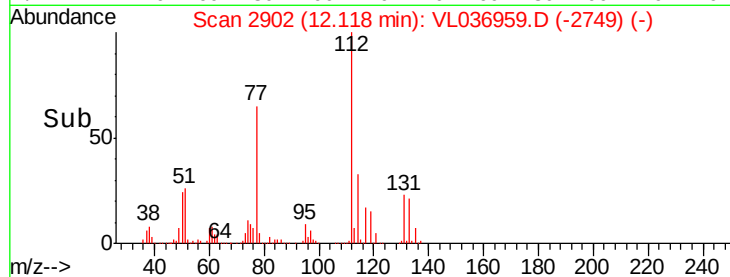
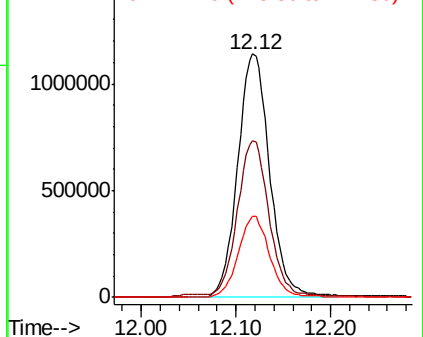
114 33.4 28.3 34.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.412 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL036959.D

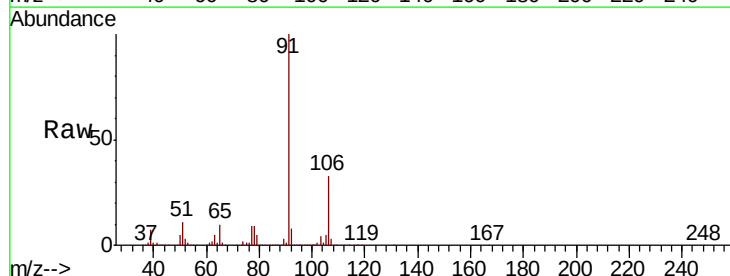
Acq: 18 May 2021 8:56

Tgt Ion: 91 Resp: 4745208

Ion Ratio Lower Upper

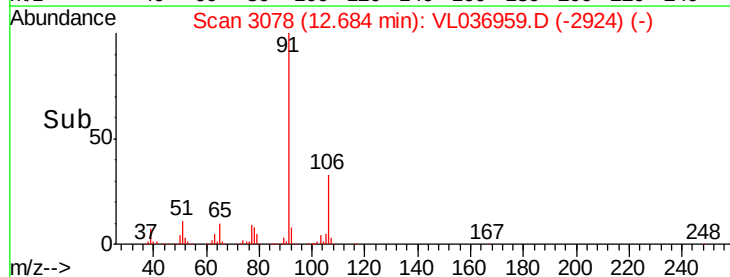
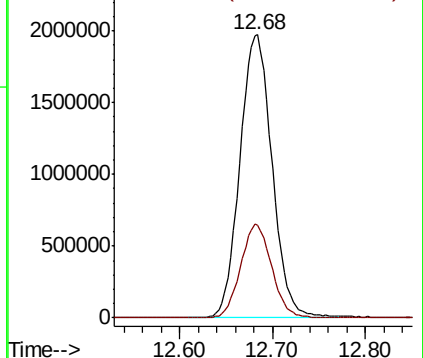
91 100

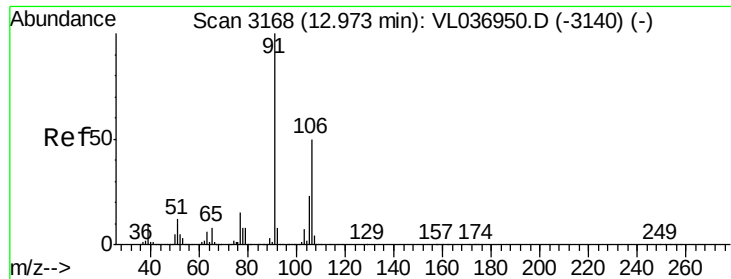
106 32.8 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.006 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

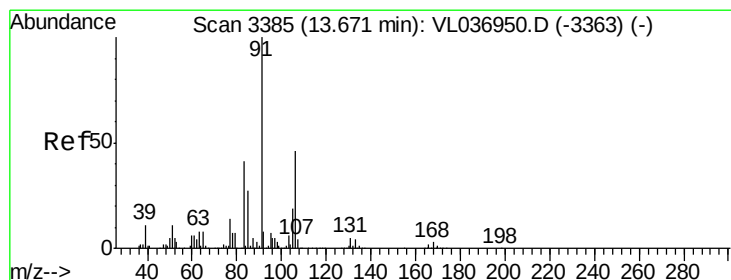
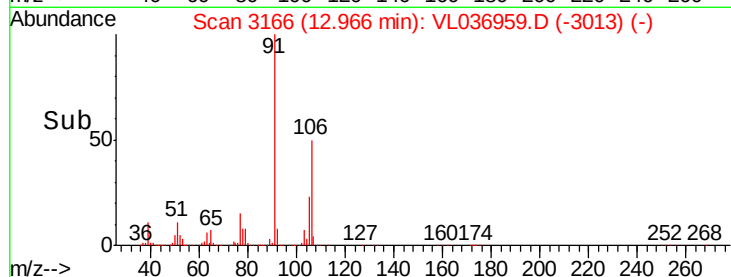
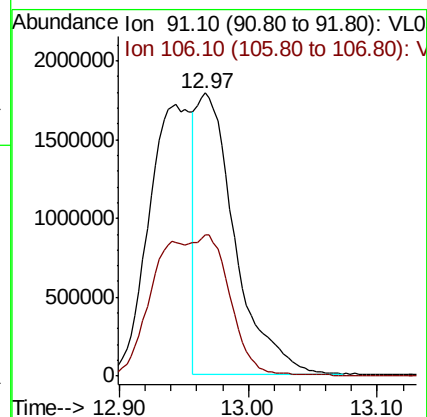
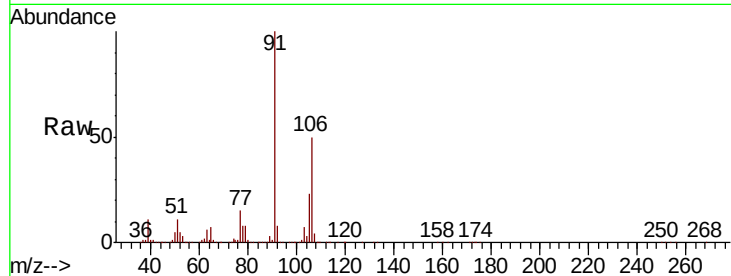
VL0518ABS01

Tot Ion: 91 Resp: 3707402

Ion Ratio Lower Upper

91 100

106 98.2 37.4 56.2#



#60

o-Xylene

Concen: 7.316 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.01 min

Lab File: VL036959.D

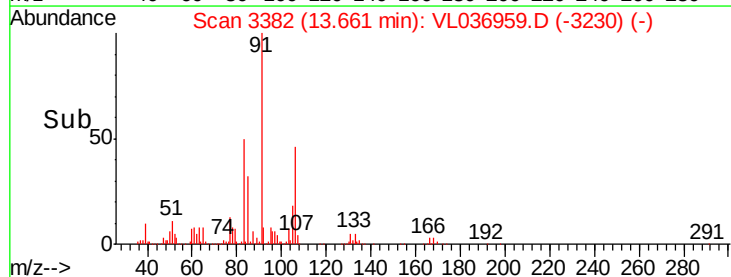
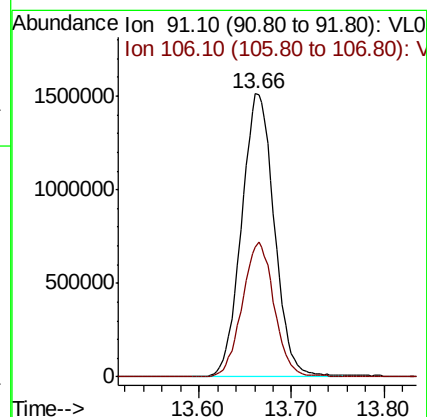
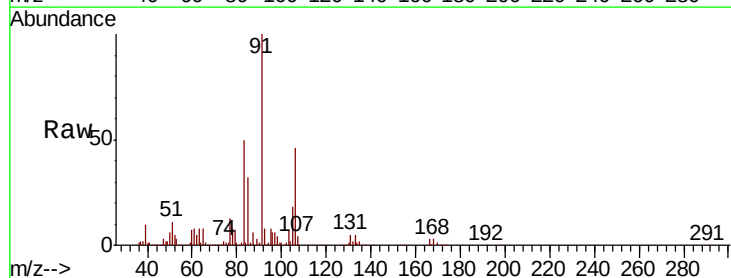
Acq: 18 May 2021 8:56

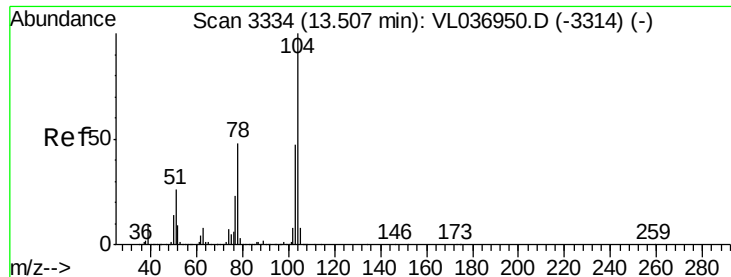
Tgt Ion: 91 Resp: 3692242

Ion Ratio Lower Upper

91 100

106 46.7 23.4 70.3

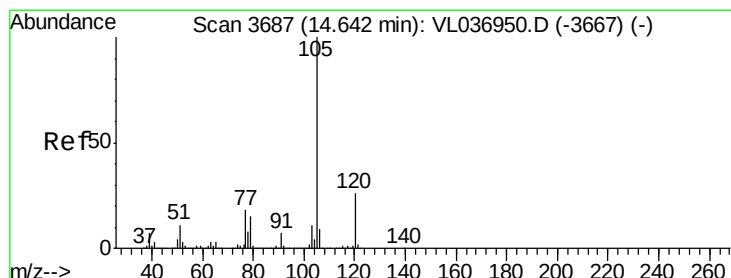
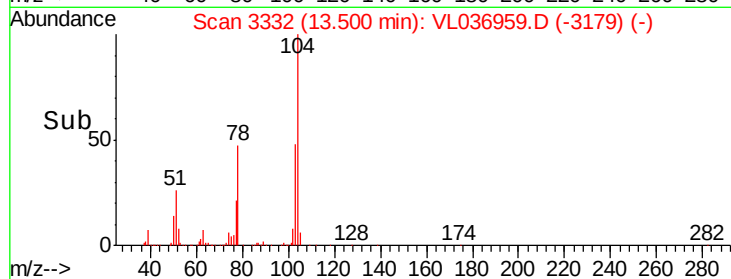
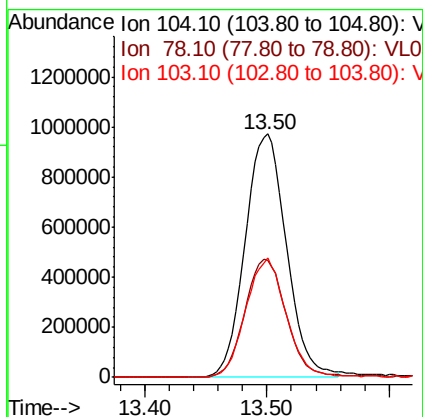
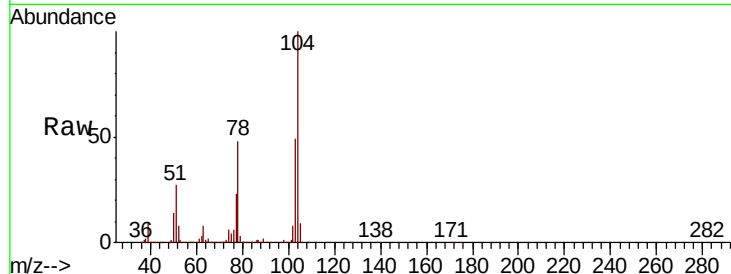




#61
Stvrene
Concen: 8.006 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

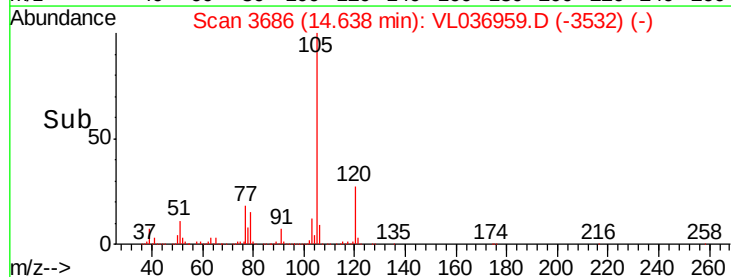
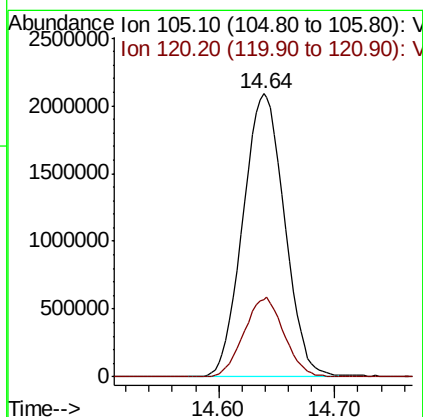
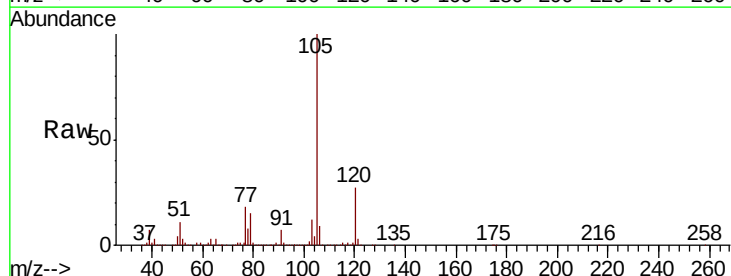
Instrument :
MSVOA_L
ClientSampleId :
VL0518ABS01

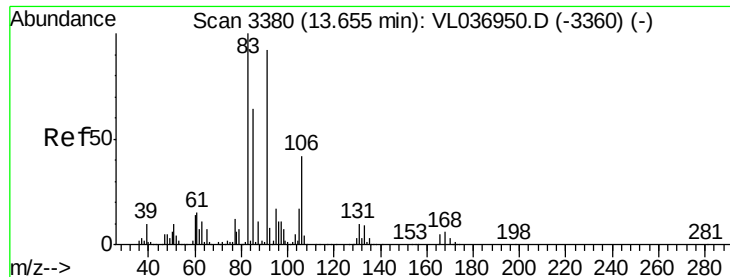
Tot Ion:104 Resp: 2276490
Ion Ratio Lower Upper
104 100
78 49.0 39.0 58.6
103 48.5 38.0 57.0



#62
Isopropylbenzene
Concen: 7.187 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL036959.D
Acq: 18 May 2021 8:56

Tgt Ion:105 Resp: 5212680
Ion Ratio Lower Upper
105 100
120 27.2 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 6.829 ppbv

RT: 13.65 min Scan# 3378

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

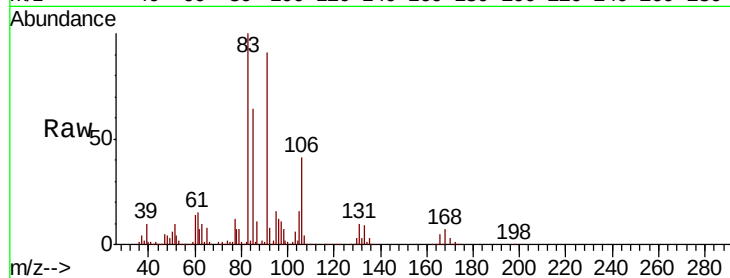
MSVOA_L

ClientSampleId :

VL0518ABS01

Tot Ion: 83 Resp: 2574072

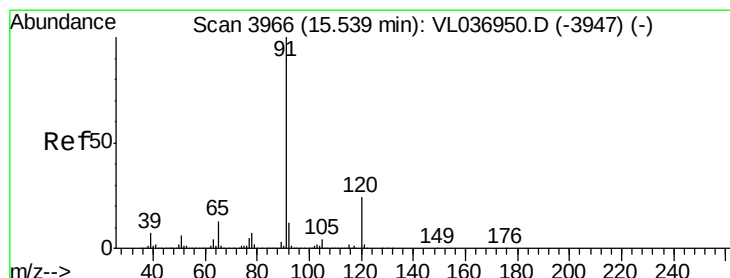
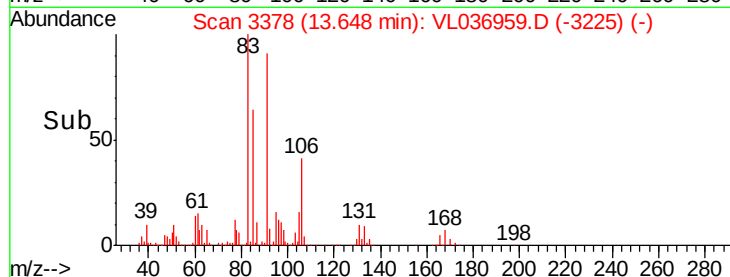
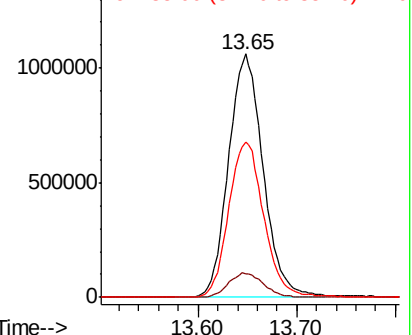
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	65.8	32.9	98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.644 ppbv

RT: 15.53 min Scan# 3964

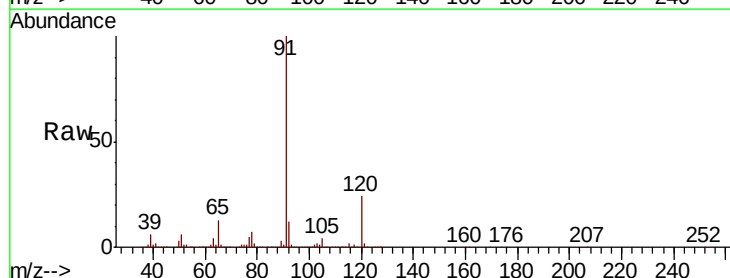
Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

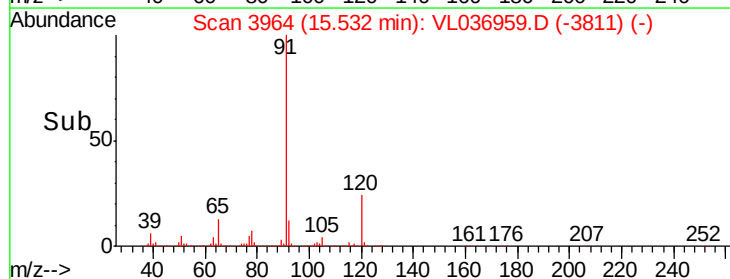
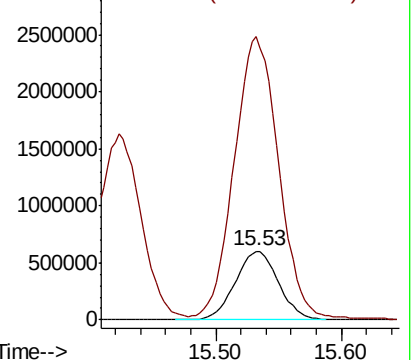
Tgt Ion:120 Resp: 1430530

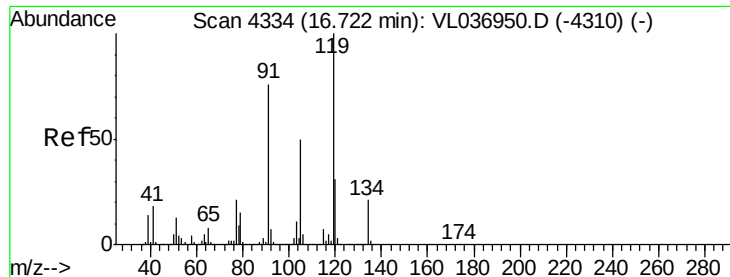
Ion	Ratio	Lower	Upper
120	100		
91	430.3	343.8	515.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

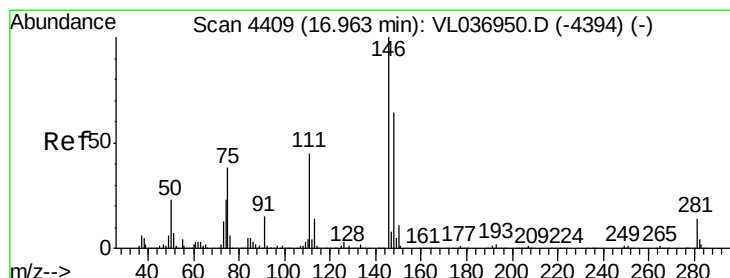
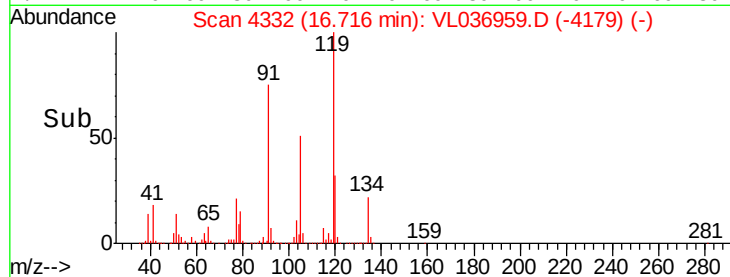
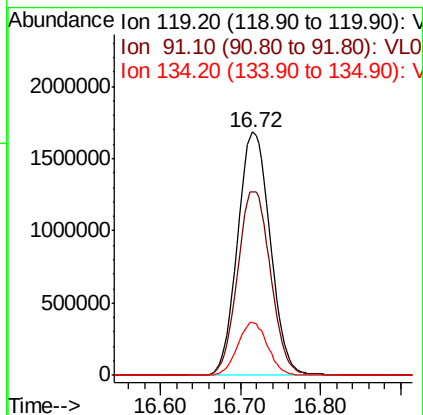
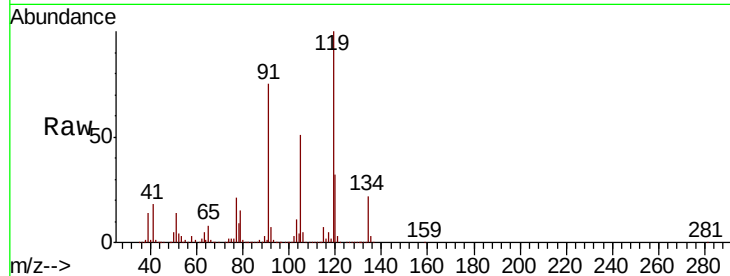




#65
 tert-Butylbenzene
 Concen: 7.096 ppbv
 RT: 16.72 min Scan# 4332
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

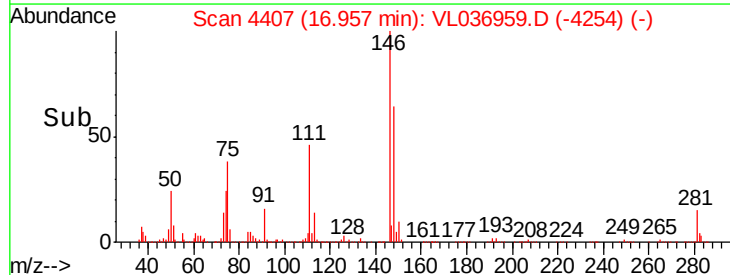
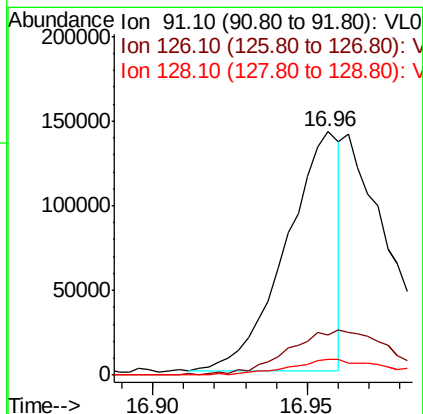
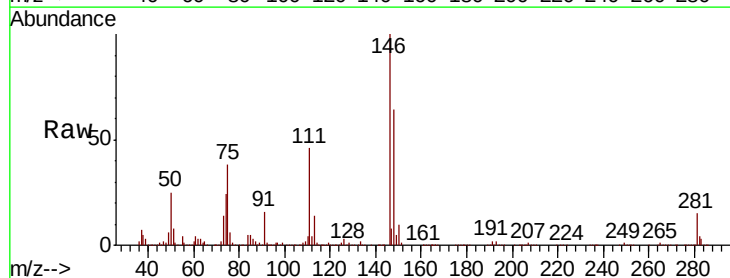
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0518ABS01

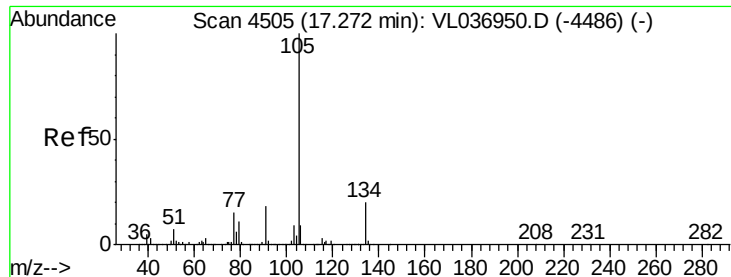
Tot Ion:119 Resp: 4644248
 Ion Ratio Lower Upper
 119 100
 91 76.6 61.9 92.9
 134 20.1 16.2 24.4



#66
 Benzyl Chloride
 Concen: 4.643 ppbv
 RT: 16.96 min Scan# 4407
 Delta R.T. -0.01 min
 Lab File: VL036959.D
 Acq: 18 May 2021 8:56

Tgt Ion: 91 Resp: 168607
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.5 24.7#
 128 0.0 5.5 8.3#





#67

sec-Butylbenzene

Concen: 7.106 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

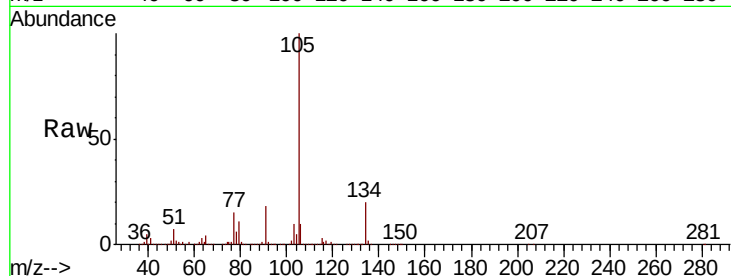
VL0518ABS01

Tot Ion:105 Resp: 6344591

Ion Ratio Lower Upper

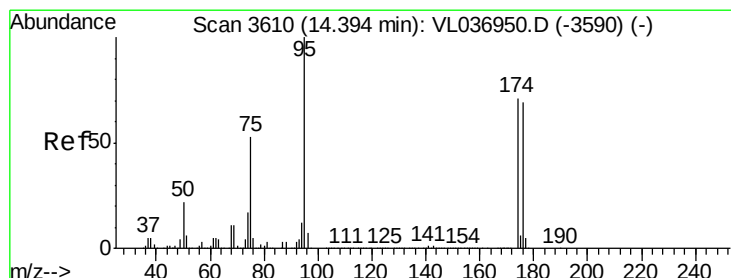
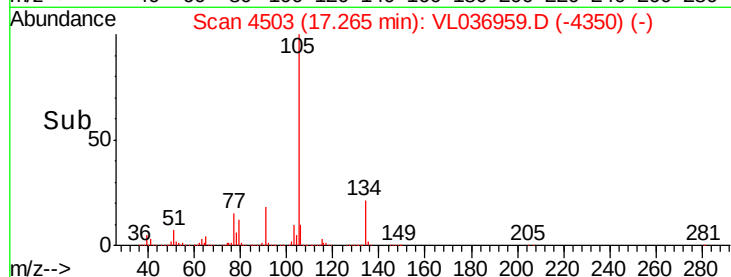
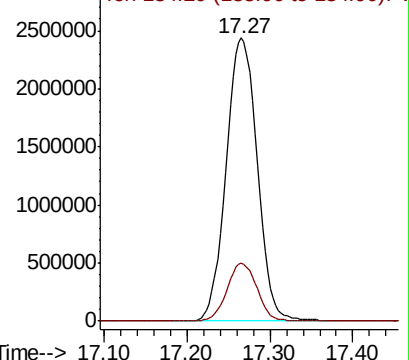
105 100

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: 8.307 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

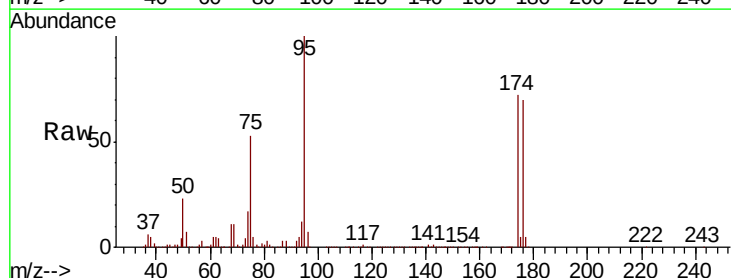
Tgt Ion: 95 Resp: 2830532

Ion Ratio Lower Upper

95 100

174 73.4 58.4 87.6

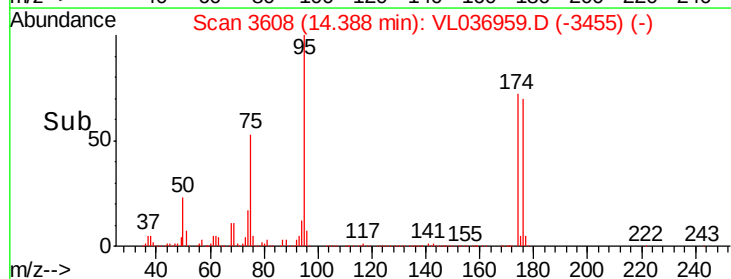
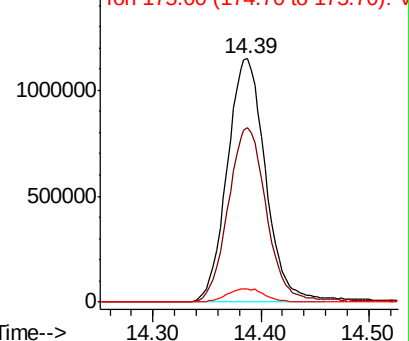
175 5.6 4.4 6.6

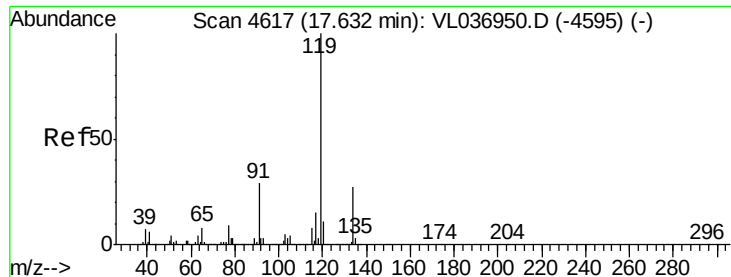


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.161 ppbv

RT: 17.62 min Scan# 4614

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

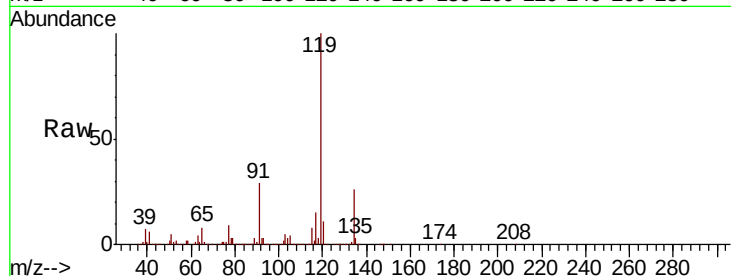
Tot Ion:119 Resp: 5497499

Ion Ratio Lower Upper

119 100

134 26.3 21.2 31.8

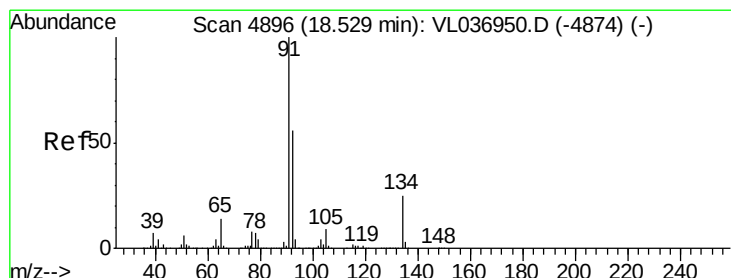
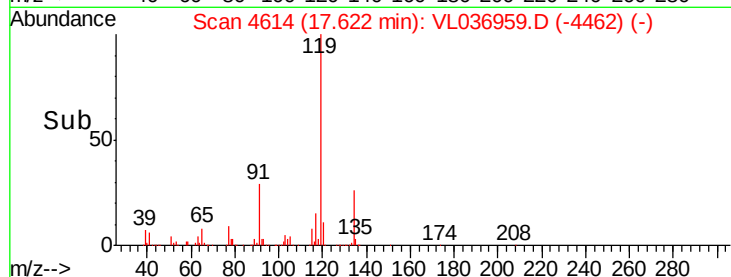
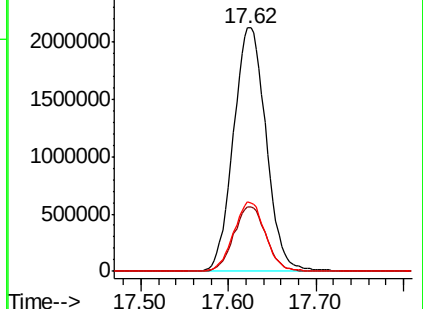
91 27.6 22.2 33.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.318 ppbv

RT: 18.52 min Scan# 4894

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

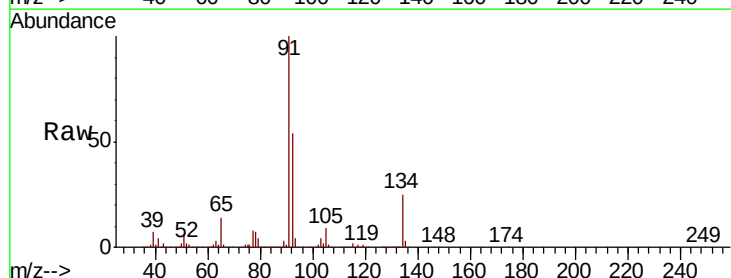
Tgt Ion: 91 Resp: 5337102

Ion Ratio Lower Upper

91 100

92 55.1 44.6 66.8

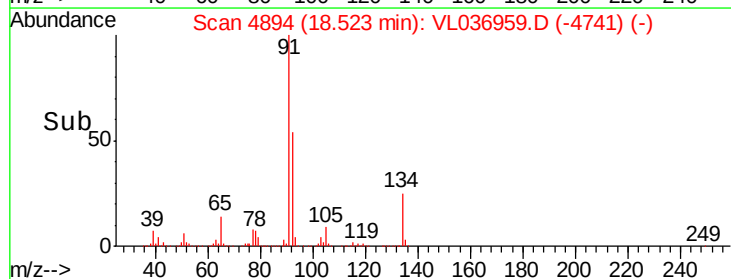
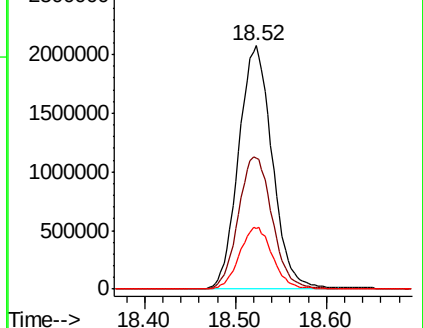
134 25.2 20.2 30.2

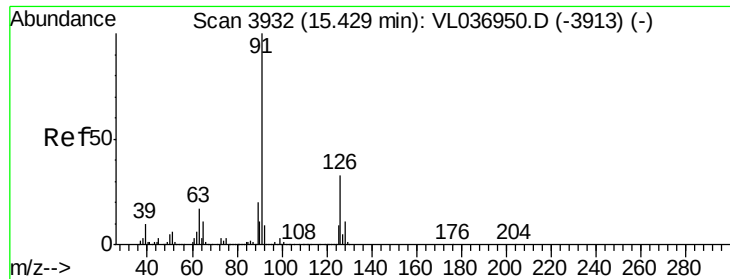


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.470 ppbv

RT: 15.42 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

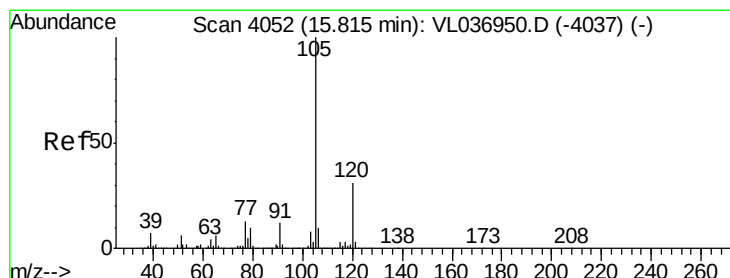
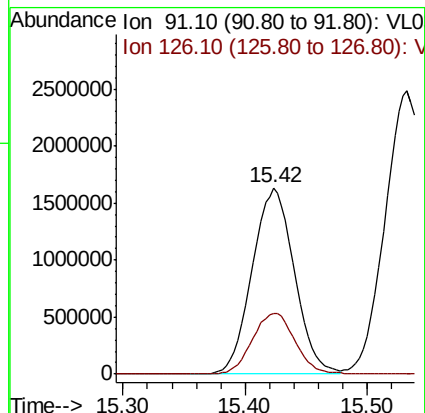
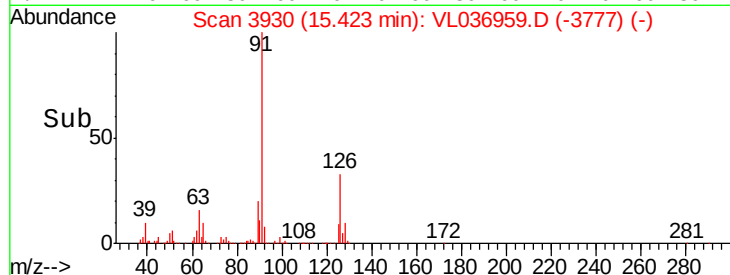
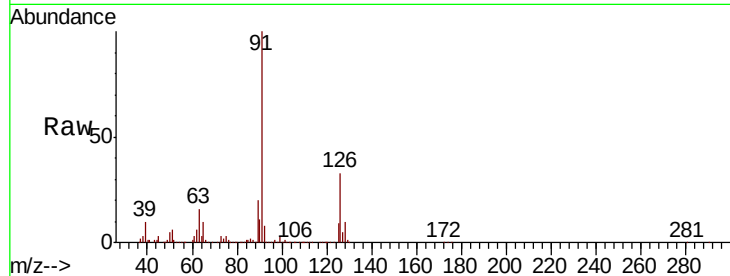
VL0518ABS01

Tot Ion: 91 Resp: 3913233

Ion Ratio Lower Upper

91 100

126 33.3 13.1 52.5



#72

4-Ethyltoluene

Concen: 7.632 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion: 105 Resp: 4571648

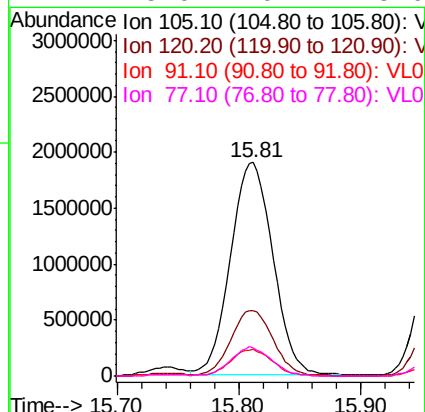
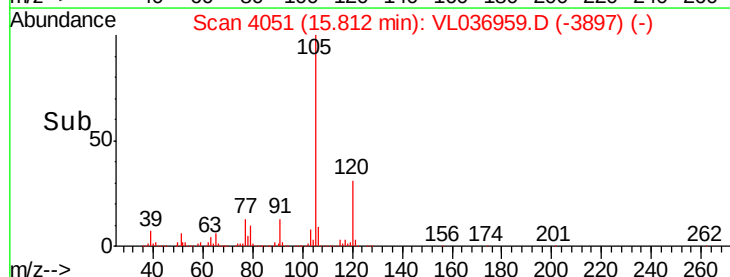
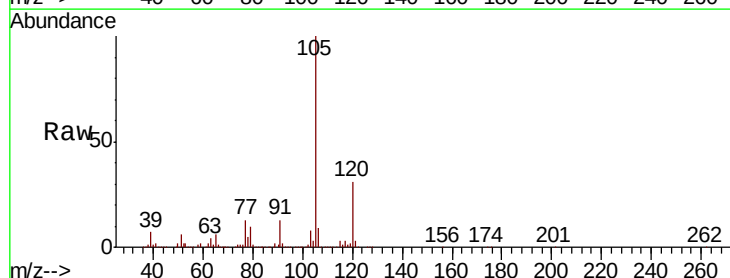
Ion Ratio Lower Upper

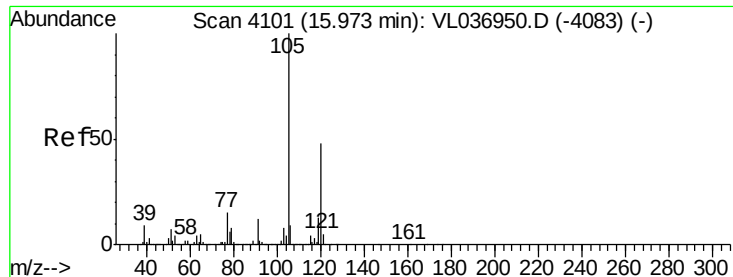
105 100

120 31.0 24.6 37.0

91 12.3 9.8 14.6

77 13.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 7.319 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

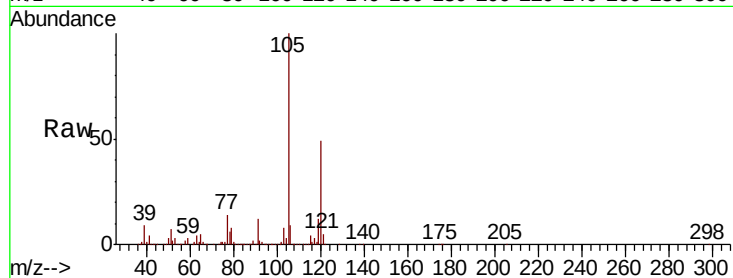
VL0518ABS01

Tot Ion:105 Resp: 4117103

Ion Ratio Lower Upper

105 100

120 48.9 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

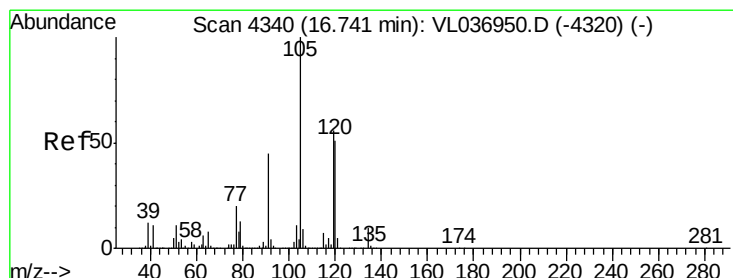
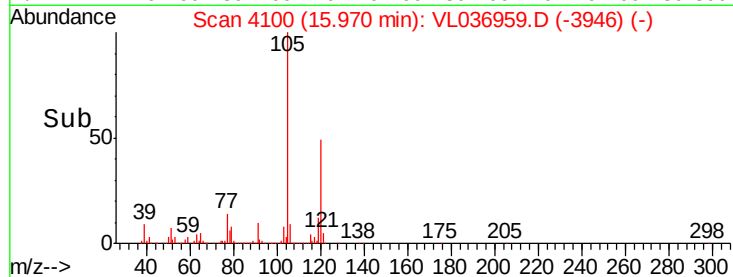
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.297 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Tgt Ion:105 Resp: 4244211

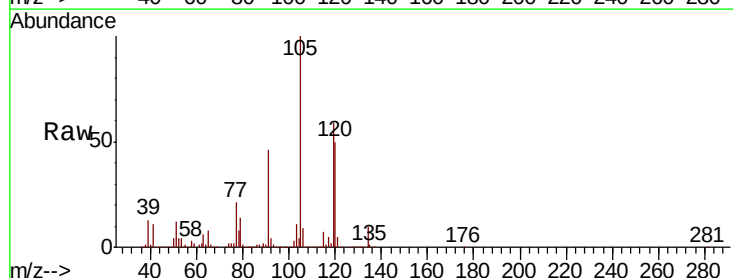
Ion Ratio Lower Upper

105 100

120 49.9 40.6 61.0

91 46.1 37.4 56.0

77 20.4 16.2 24.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

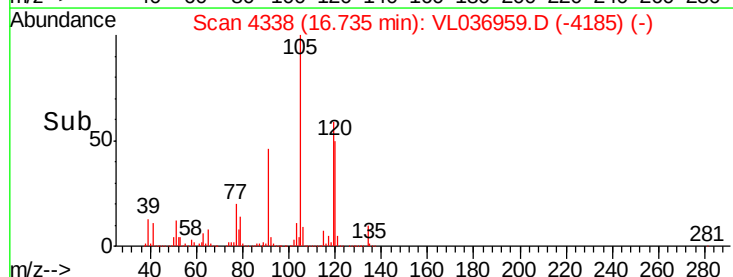
1500000

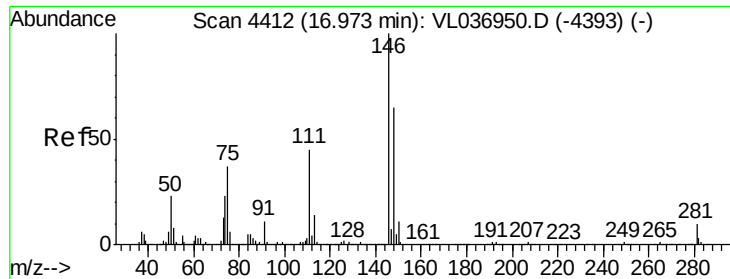
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.505 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

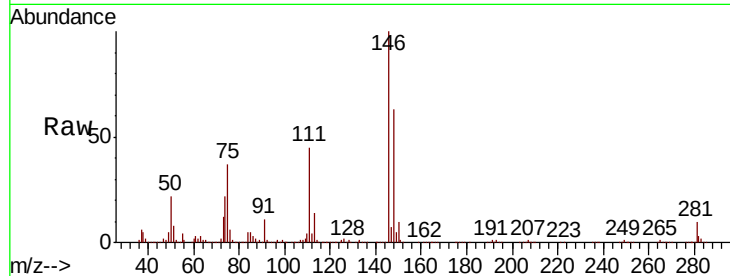
Tot Ion:146 Resp: 2665546

Ion Ratio Lower Upper

146 100

111 44.3 22.2 66.6

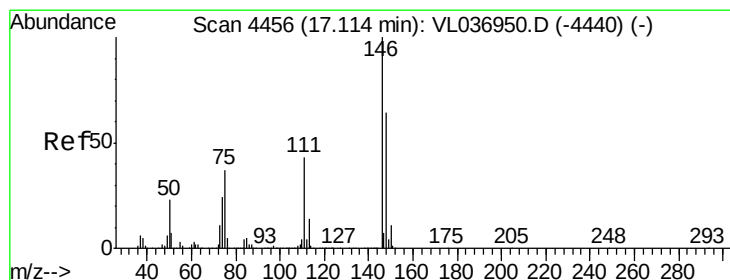
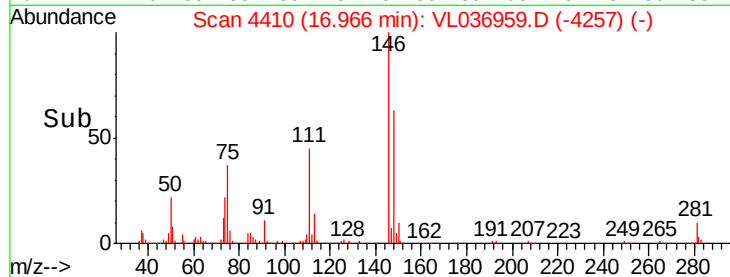
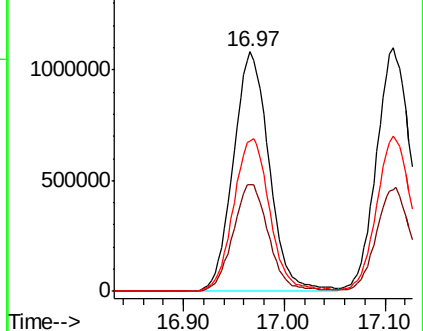
148 64.6 32.3 96.8



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: 7.202 ppbv

RT: 17.11 min Scan# 4454

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

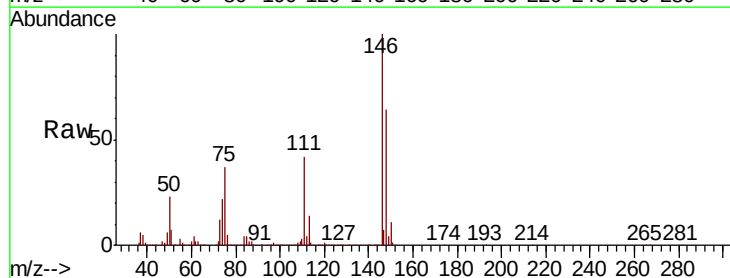
Tgt Ion:146 Resp: 2586203

Ion Ratio Lower Upper

146 100

111 44.2 22.6 67.7

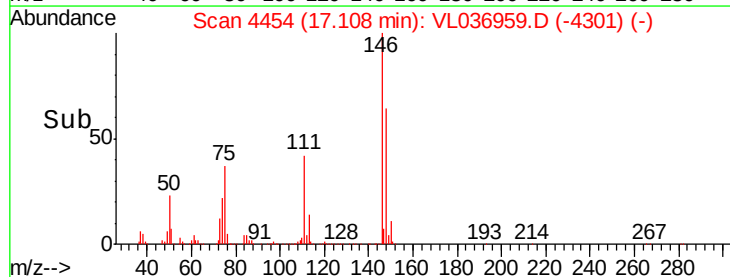
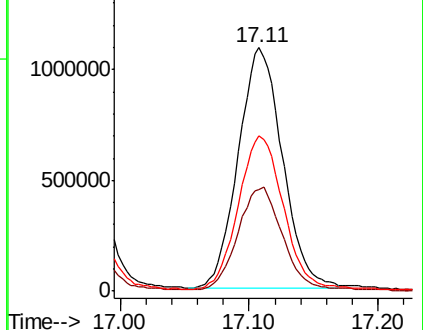
148 67.5 33.5 100.5

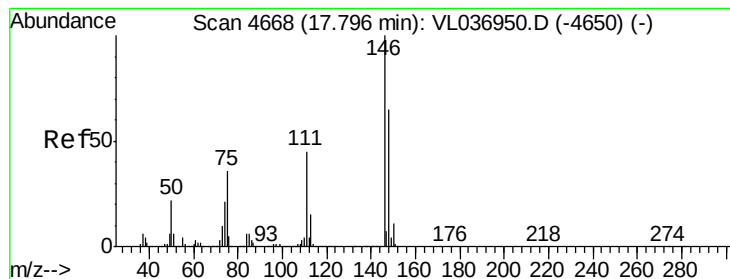


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.311 ppbv

RT: 17.79 min Scan# 4665

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

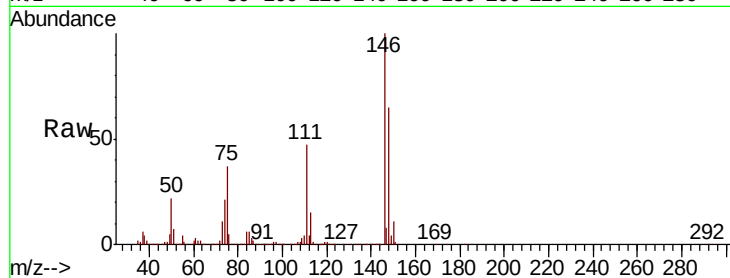
Tot Ion:146 Resp: 2601903

Ion Ratio Lower Upper

146 100

111 45.4 23.1 69.2

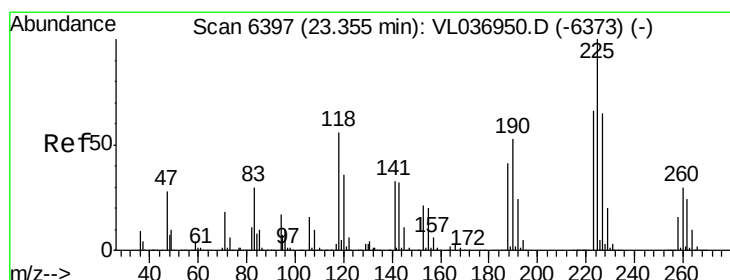
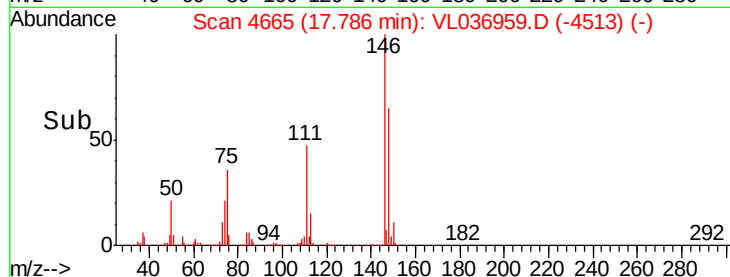
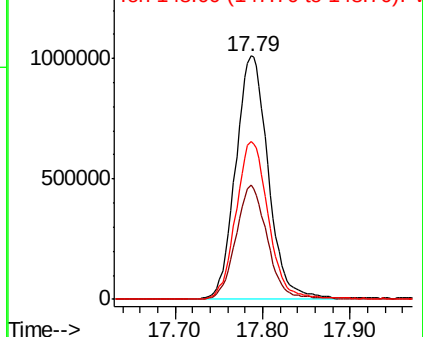
148 64.8 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.577 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

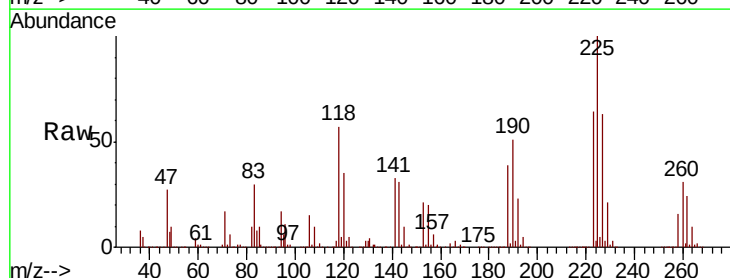
Tgt Ion:225 Resp: 1882096

Ion Ratio Lower Upper

225 100

223 64.3 51.9 77.9

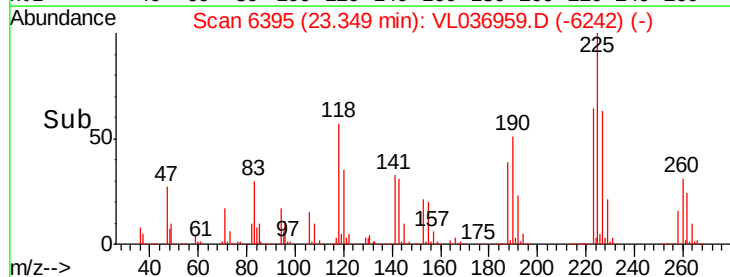
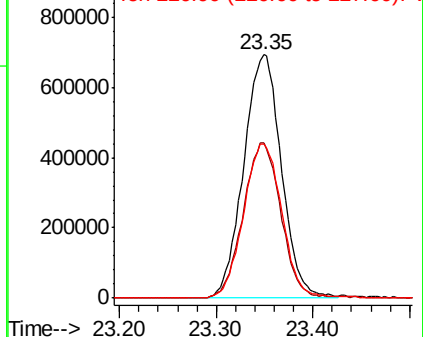
227 64.7 51.8 77.6

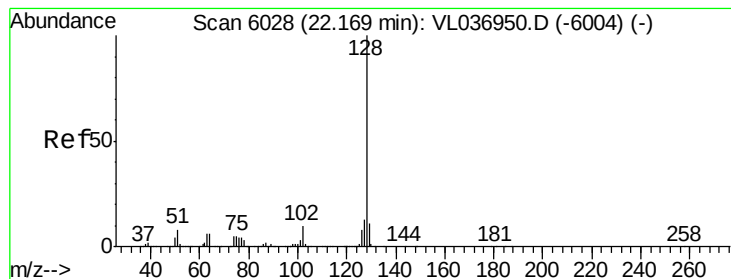


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.609 ppbv

RT: 22.16 min Scan# 6025

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

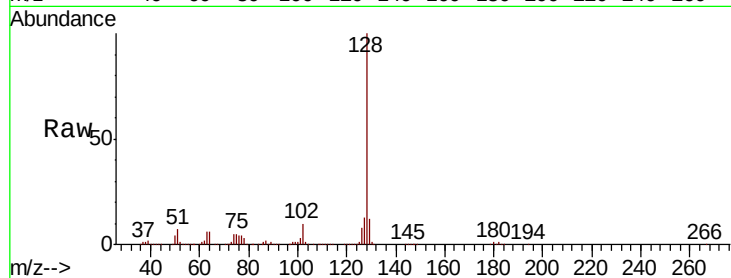
Tot Ion:128 Resp: 3928981

Ion Ratio Lower Upper

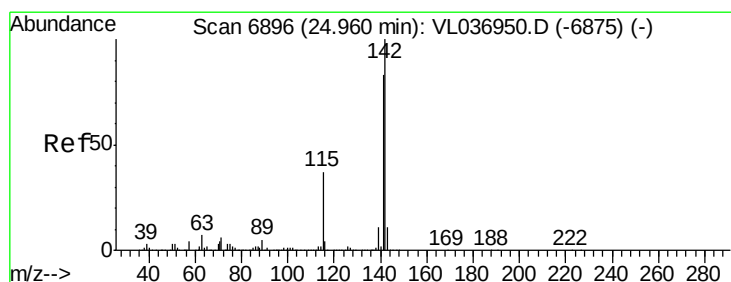
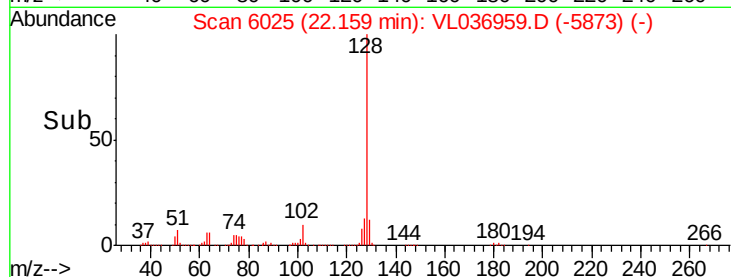
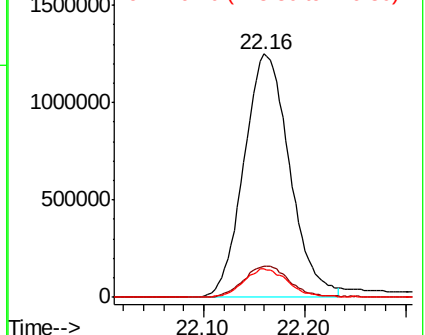
128 100

127 12.7 10.4 15.6

129 11.7 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: 11.597 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

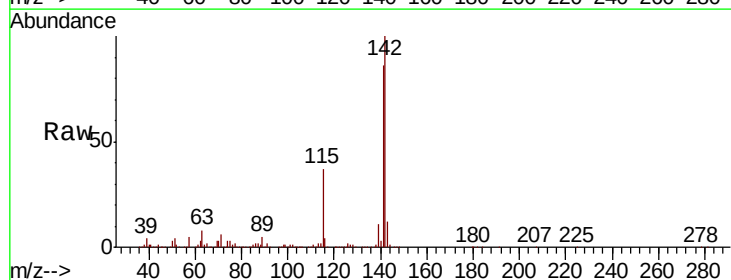
Tgt Ion:142 Resp: 1150798

Ion Ratio Lower Upper

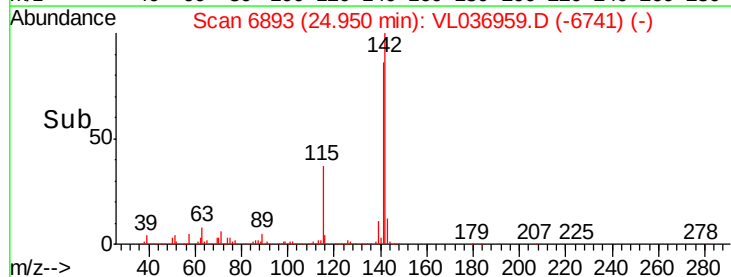
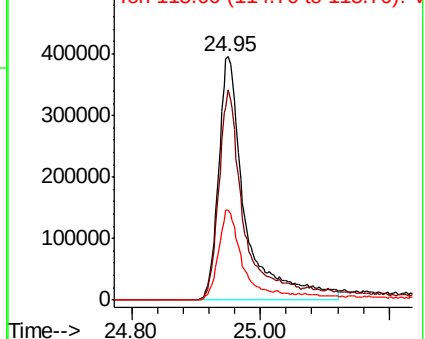
142 100

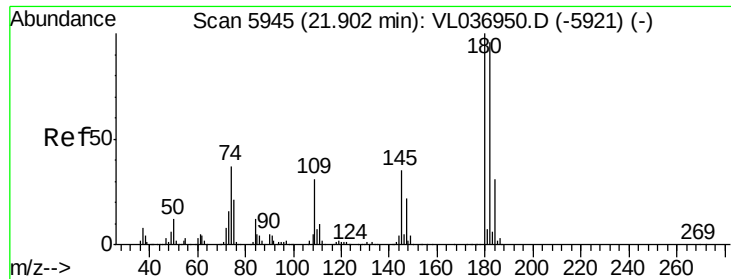
141 86.8 69.3 103.9

115 39.1 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: 8.010 ppbv

RT: 21.90 min Scan# 5943

Delta R.T. -0.01 min

Lab File: VL036959.D

Acq: 18 May 2021 8:56

Instrument :

MSVOA_L

ClientSampleId :

VL0518ABS01

Tot Ion:180 Resp: 2228450

Ion Ratio Lower Upper

180 100

182 100.4 81.7 122.5

184 32.1 24.9 37.3

