

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036641.D
 Acq On : 2 Apr 2021 11:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:55:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1403044	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3745915	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4243224	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2768823	8.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1814632	7.930	ppbv	96
3) Chlorodifluoromethane	2.98	51	2274393	8.676	ppbv	100
4) Chloromethane	3.13	50	794620	8.582	ppbv	97
5) Vinyl Chloride	3.25	62	804433	8.449	ppbv	98
6) Bromomethane	3.46	94	453845	8.658	ppbv	97
7) Chloroethane	3.55	64	283934	8.679	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	1890344	8.655	ppbv	96
9) Propene	3.00	41	798647	9.557	ppbv	94
10) Heptane	8.11	43	2002916	9.408	ppbv	99
11) Trichlorofluoromethane	3.94	101	1952761	8.373	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1344838	9.019	ppbv	100
13) Ethanol	3.60	45	94615	9.507	ppbv	96
14) Bromoethene	3.73	108	572776	9.240	ppbv	99
15) Acetone	3.84	43	1115188	8.076	ppbv	98
16) 1,3-Butadiene	3.32	39	820599	8.535	ppbv	97
17) tert-Butyl alcohol	4.29	59	1310794	10.904	ppbv	99
18) 1,1-Dichloroethene	4.28	96	597225	9.005	ppbv	97
19) Isopropyl Alcohol	3.96	45	754439	9.932	ppbv	# 95
20) Methylene Chloride	4.33	84	512265	7.923	ppbv	91
21) Allyl Chloride	4.40	41	1035920	9.410	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	598642	9.736	ppbv	95
23) Vinyl Acetate	5.06	43	2253384	9.540	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1500582	8.715	ppbv	98
25) Ethyl Acetate	5.66	43	3035488	9.246	ppbv	100
26) Hexane	5.68	57	1422197	9.335	ppbv	99
27) Carbon Disulfide	4.54	76	1534740	10.226	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1819110	10.125	ppbv	99
29) Chloroform	5.74	83	2139909	8.783	ppbv	99
30) Cyclohexane	7.12	84	1174277	9.504	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1411474	9.578	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2211005	9.004	ppbv	100
34) 2-Butanone	5.23	43	1516254	8.292	ppbv	100
35) Carbon Tetrachloride	7.01	117	2293541	7.972	ppbv	99
36) Benzene	6.88	78	2862176	8.285	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1670627	8.216	ppbv	99
38) Trichloroethene	7.82	130	1088137	8.093	ppbv	94
39) 1,2-Dichloropropane	7.60	63	1144995	8.170	ppbv	98
40) 1,4-Dioxane	7.82	88	247591	7.591	ppbv	# 1
41) Tetrahydrofuran	6.04	42	724641	8.595	ppbv	95
42) Bromodichloromethane	7.78	83	2343274	8.472	ppbv	98
43) Methyl Methacrylate	8.00	69	1072479	9.245	ppbv	97

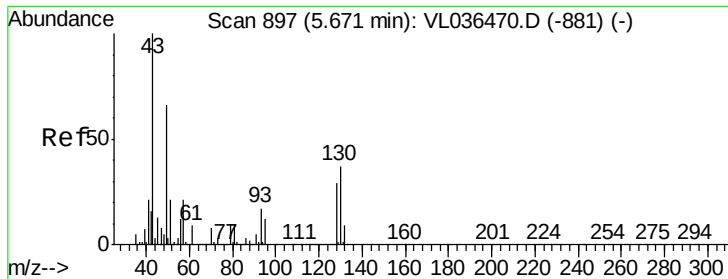
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036641.D
 Acq On : 2 Apr 2021 11:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:55:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4891789	8.045	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1388859	10.485	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1650452	9.747	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1149111	8.095	ppbv	98
48) Dibromochloromethane	10.29	129	2053005	9.488	ppbv	99
49) Bromoform	13.03	173	1746026	10.015	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	2336245	8.830	ppbv	99
51) 2-Hexanone	10.13	43	1275010	9.549	ppbv	97
52) Tetrachloroethene	11.21	164	1123391	8.831	ppbv	95
53) Toluene	9.80	91	3321427	9.028	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1705992	8.510	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1364783	7.111	ppbv #	55
57) Chlorobenzene	12.13	112	2443076	6.767	ppbv	99
58) Ethyl Benzene	12.70	91	4404593	7.135	ppbv	99
59) m/p-Xylene	12.98	91	3872043	7.191	ppbv #	37
60) o-Xylene	13.68	91	3461067	6.648	ppbv	99
61) Styrene	13.52	104	2111086	8.060	ppbv	99
62) Isopropylbenzene	14.66	105	4787842	6.829	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2354083	5.927	ppbv	100
64) n-propylbenzene	15.55	120	1263321	7.370	ppbv	93
65) tert-Butylbenzene	16.73	119	4265816	7.017	ppbv	97
66) Benzyl Chloride	16.98	91	709610	10.560	ppbv	95
67) sec-Butylbenzene	17.28	105	5743373	6.693	ppbv	99
69) p-Isopropyltoluene	17.64	119	4957340	7.397	ppbv	98
70) n-Butylbenzene	18.55	91	4762355	6.854	ppbv	99
71) 2-Chlorotoluene	15.44	91	3600994	6.854	ppbv	96
72) 4-Ethyltoluene	15.83	105	4138343	7.254	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3756600	7.055	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3860975	6.776	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2299012	7.168	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	2249196	7.063	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2183327	7.242	ppbv	97
78) Hexachloro-1,3-Butadiene	23.37	225	1777529	6.583	ppbv	99
79) Naphthalene	22.19	128	2837699	8.535	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	501082	7.642	ppbv	89
81) 1,2,4-Trichlorobenzene	21.92	180	1685976	8.213	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :
MSVOA_L
ClientSampleId :

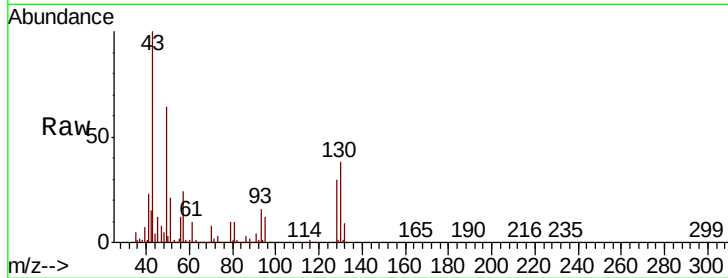
Tot Ion: 49 Resp: 1403044

Ion Ratio Lower Upper

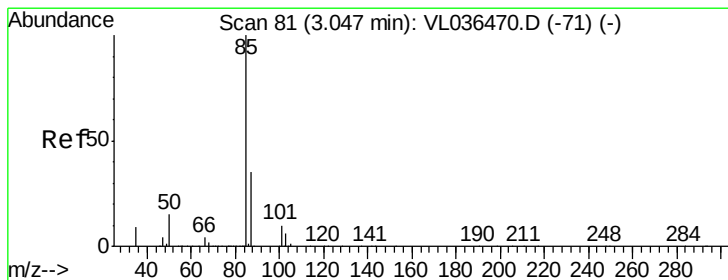
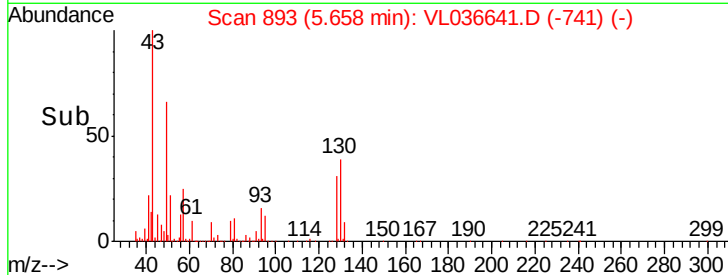
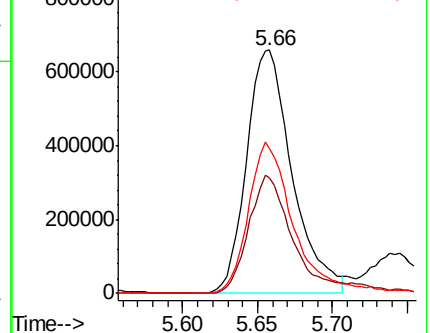
49 100

128 50.3 23.5 70.6

130 62.4 29.1 87.4



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: 7.930 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036641.D

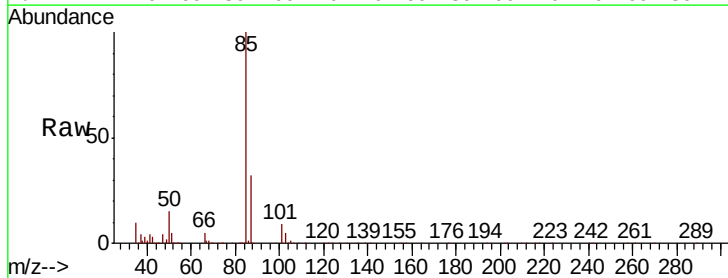
Acq: 2 Apr 2021 11:27

Tgt Ion: 85 Resp: 1814632

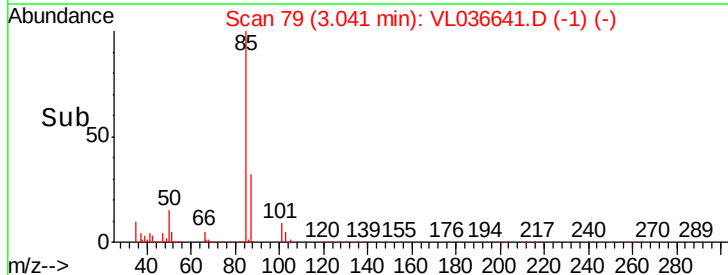
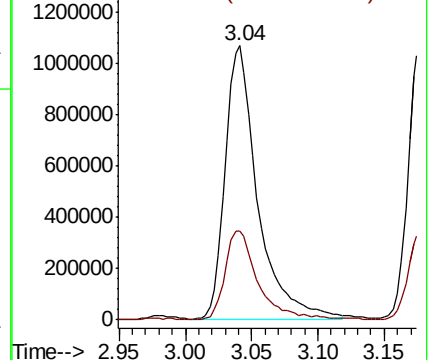
Ion Ratio Lower Upper

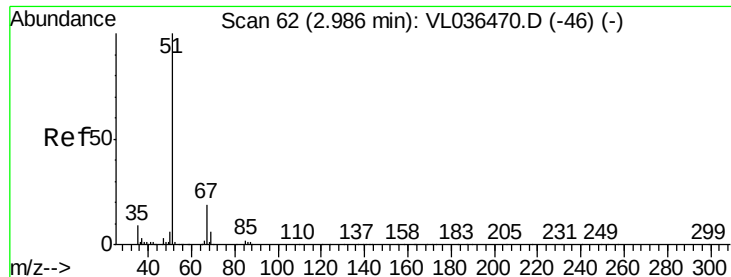
85 100

87 32.2 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

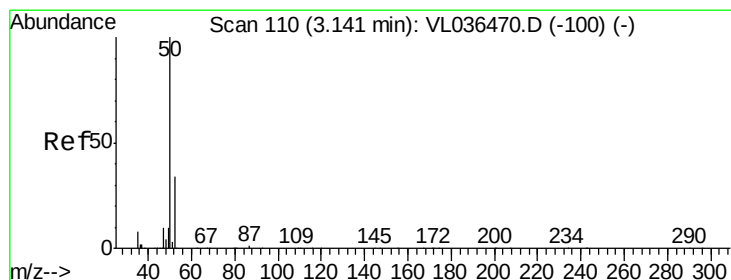
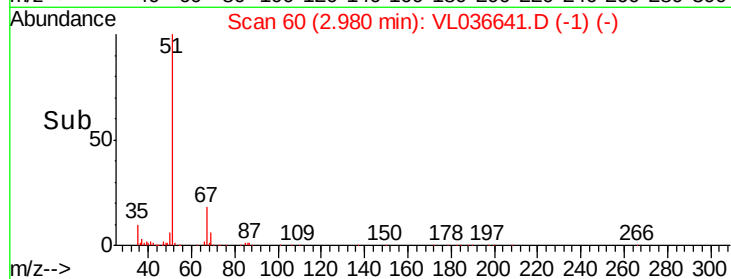
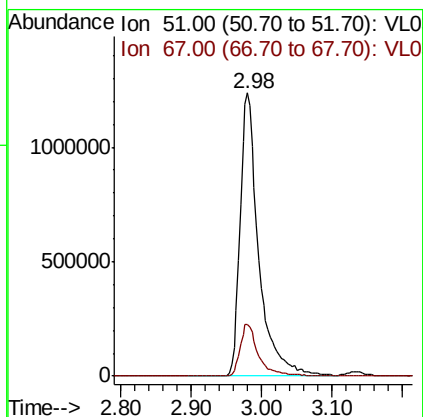
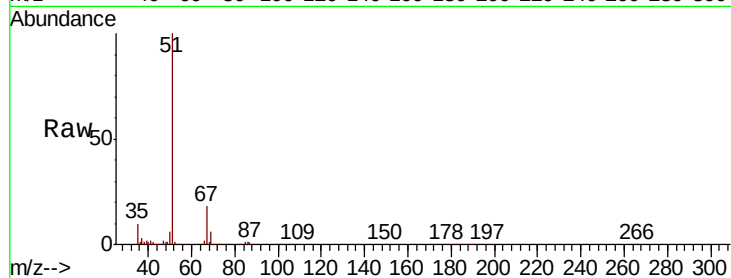




#3
 Chlorodifluoromethane
 Concen: 8.676 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.01 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

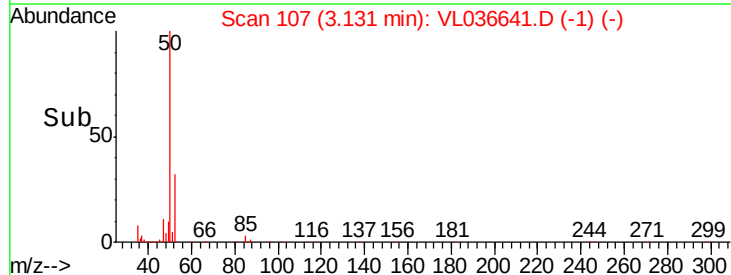
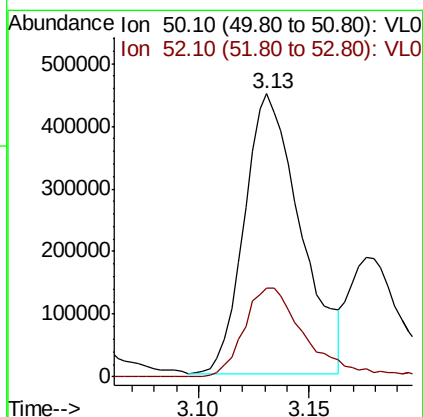
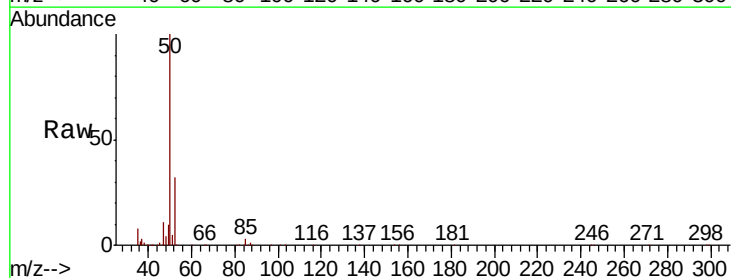
Instrument :
 MSVOA_L
 ClientSampleId :

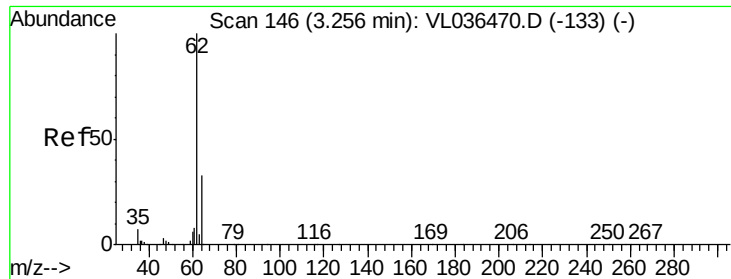
Tot Ion: 51 Resp: 2274393
 Ion Ratio Lower Upper
 51 100
 67 18.4 14.7 22.1



#4
 Chloromethane
 Concen: 8.582 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. -0.01 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 50 Resp: 794620
 Ion Ratio Lower Upper
 50 100
 52 31.9 27.0 40.6





#5

Vinyl Chloride

Concen: 8.449 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

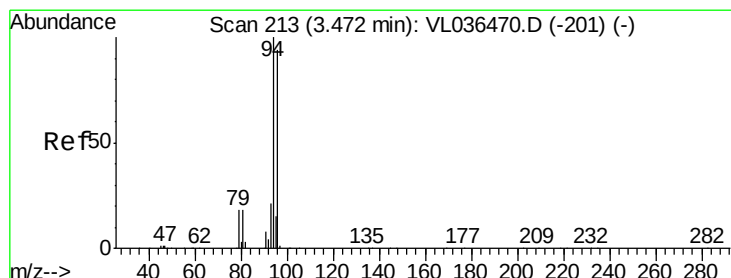
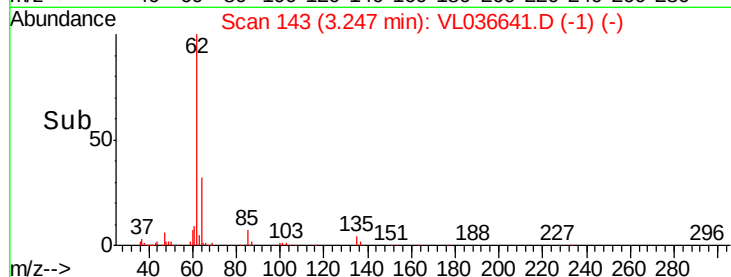
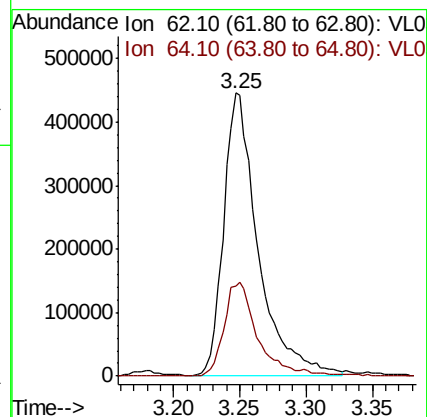
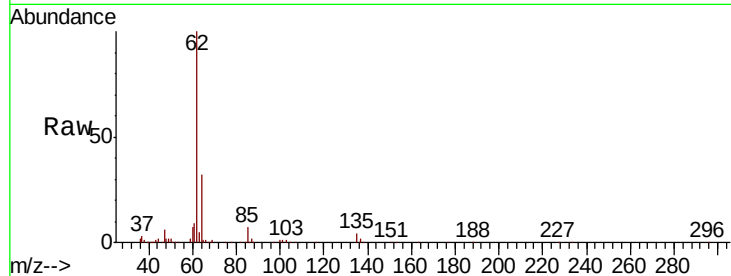
ClientSampleId :

Tot Ion: 62 Resp: 804433

Ion Ratio Lower Upper

62 100

64 32.1 26.4 39.6



#6

Bromomethane

Concen: 8.658 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL036641.D

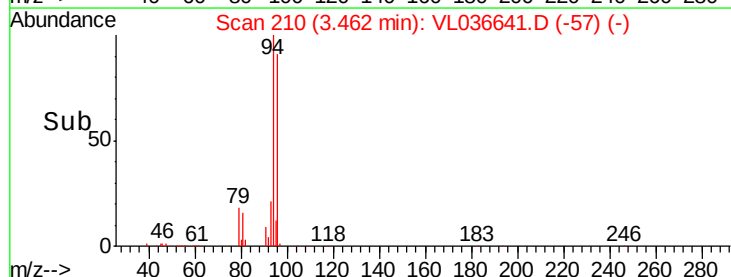
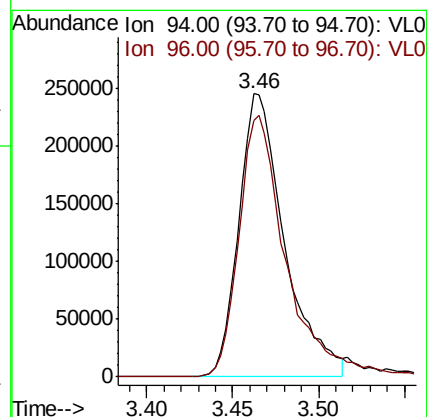
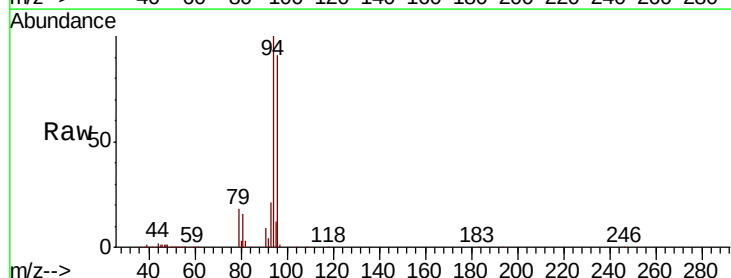
Acq: 2 Apr 2021 11:27

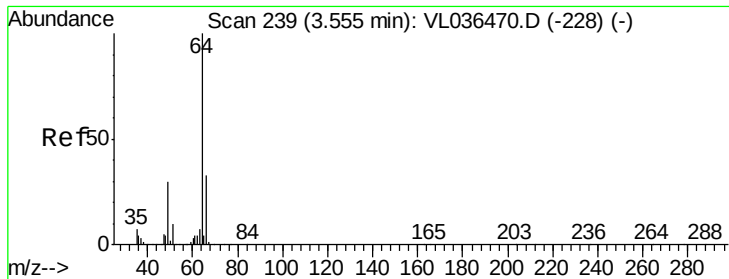
Tgt Ion: 94 Resp: 453845

Ion Ratio Lower Upper

94 100

96 90.6 74.9 112.3





#7

Chloroethane

Concen: 8.679 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

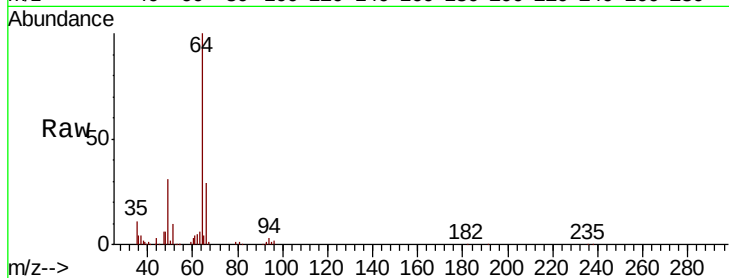
ClientSampleId :

Tot Ion: 64 Resp: 283934

Ion Ratio Lower Upper

64 100

66 29.0 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

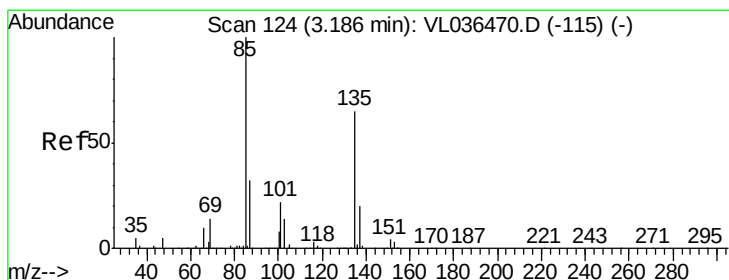
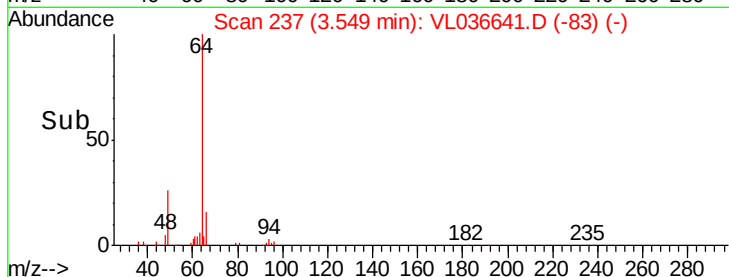
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.655 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036641.D

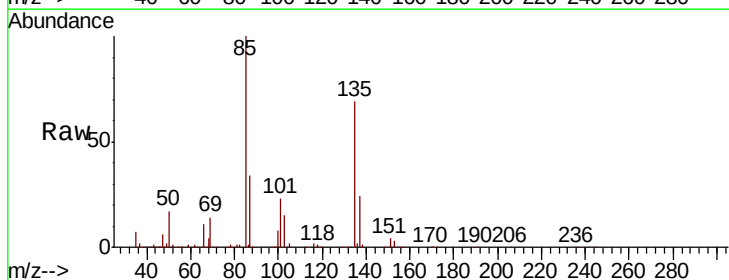
Acq: 2 Apr 2021 11:27

Tgt Ion: 85 Resp: 1890344

Ion Ratio Lower Upper

85 100

135 71.5 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

1200000

1000000

800000

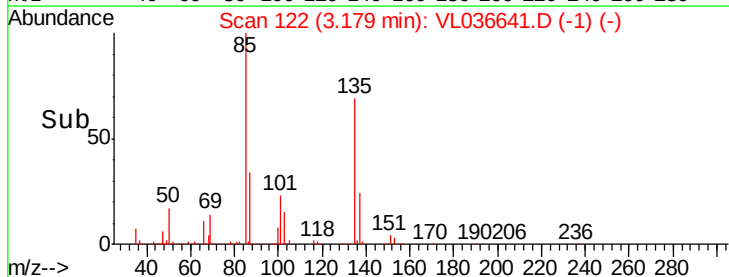
600000

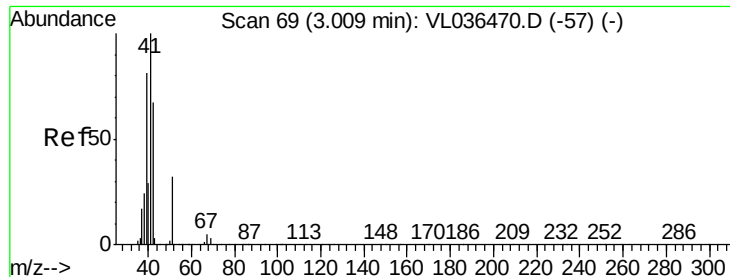
400000

200000

0

Time-->





#9

Propene

Concen: 9.557 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

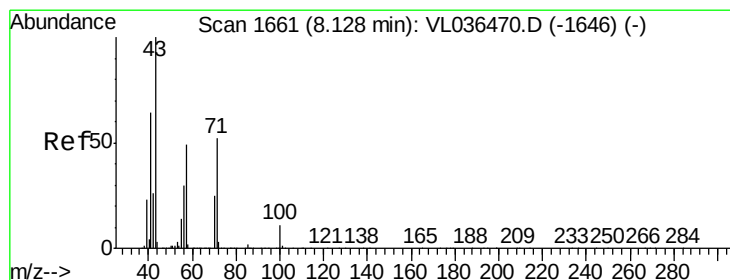
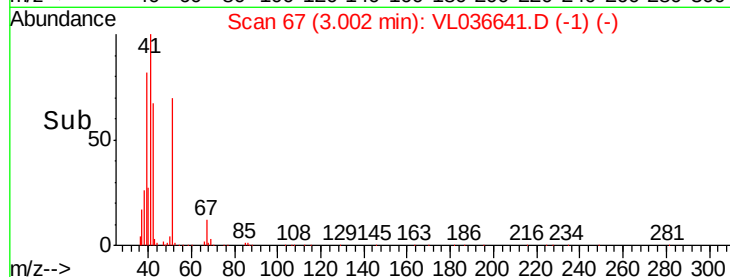
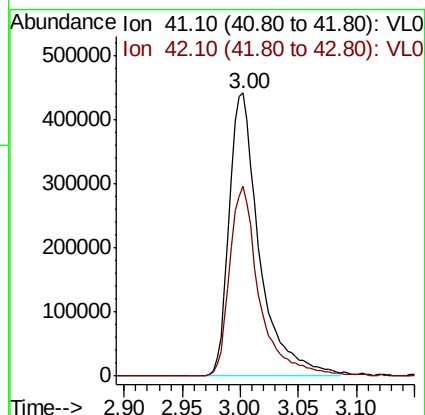
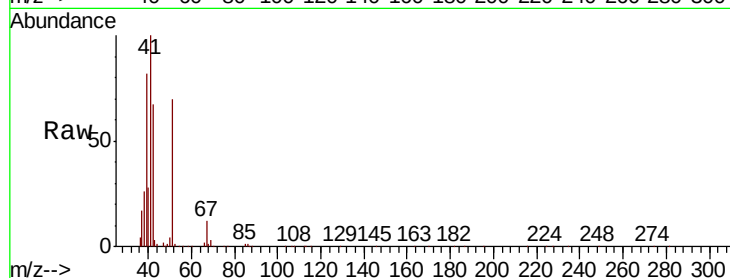
ClientSampleId :

Tot Ion: 41 Resp: 798647

Ion Ratio Lower Upper

41 100

42 66.4 57.0 85.4



#10

Heptane

Concen: 9.408 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL036641.D

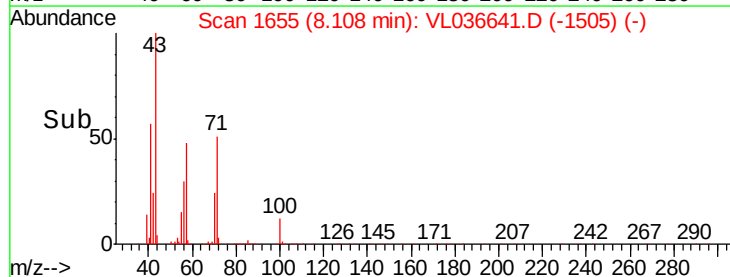
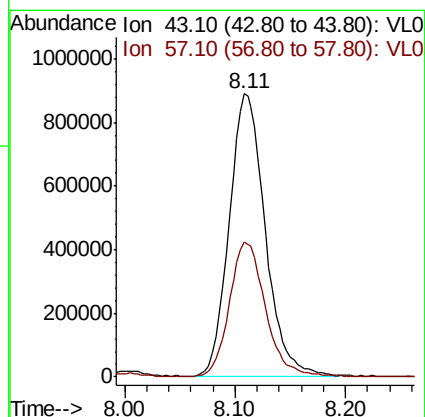
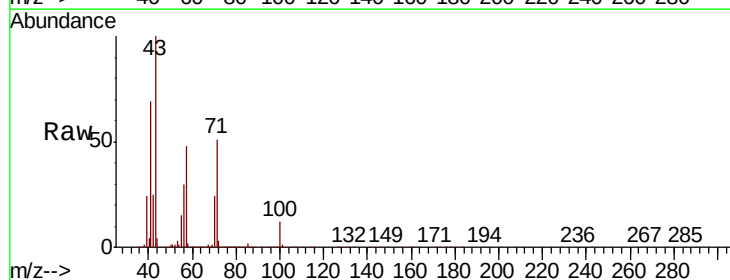
Acq: 2 Apr 2021 11:27

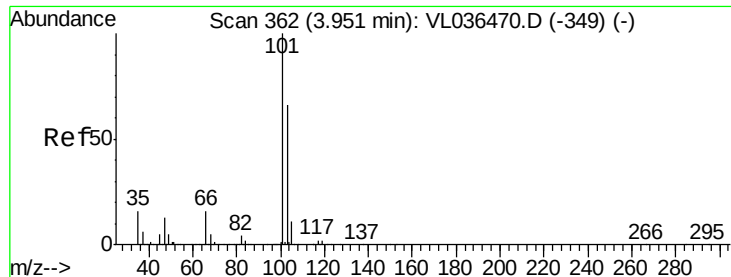
Tgt Ion: 43 Resp: 2002916

Ion Ratio Lower Upper

43 100

57 48.0 39.0 58.6

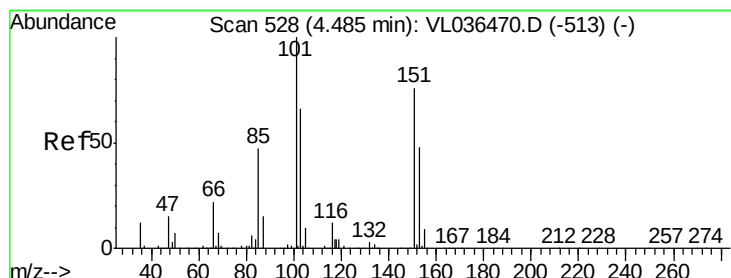
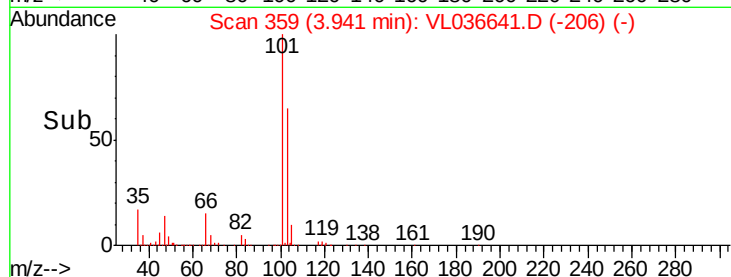
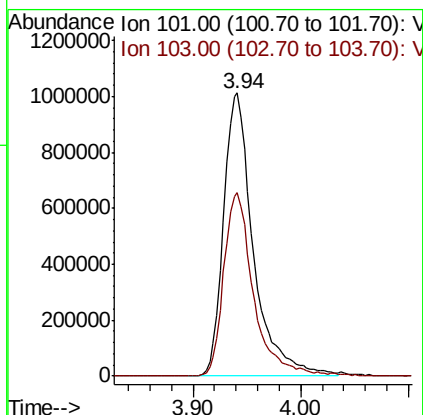
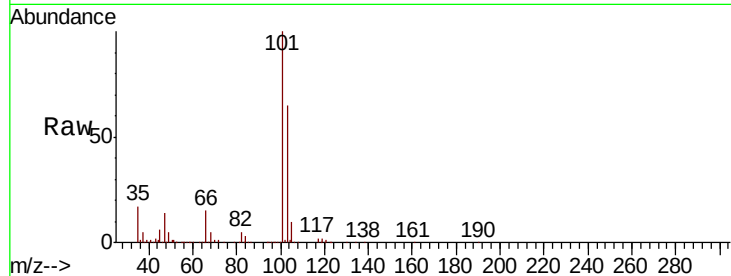




#11
 Trichlorofluoromethane
 Concen: 8.373 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

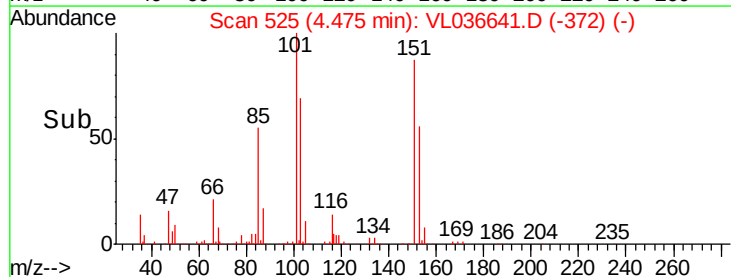
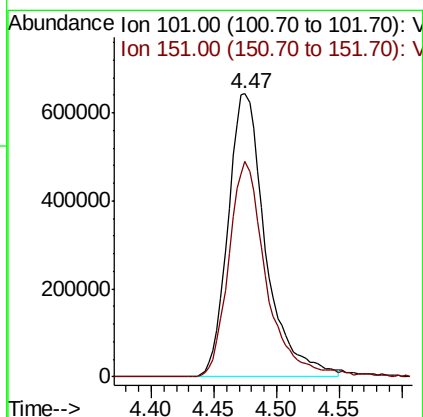
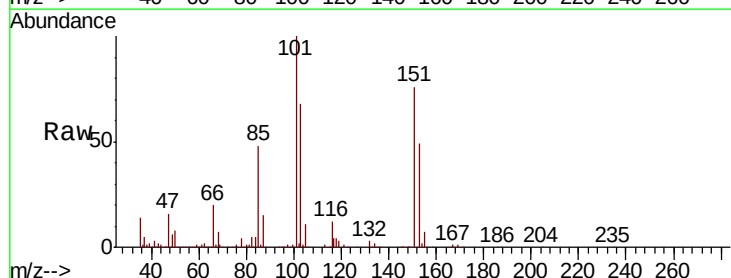
Instrument :
 MSVOA_L
 ClientSampleId :

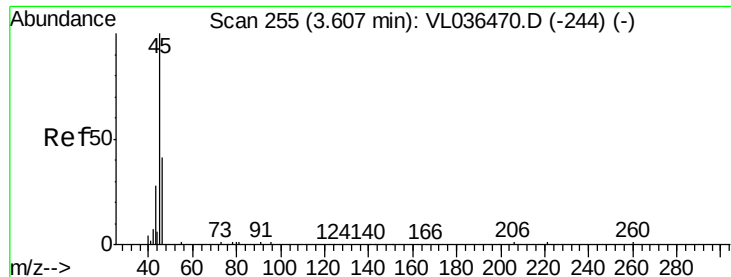
Tot Ion:101 Resp: 1952761
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.019 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion:101 Resp: 1344838
 Ion Ratio Lower Upper
 101 100
 151 76.4 60.9 91.3





#13

Ethanol

Concen: 9.507 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

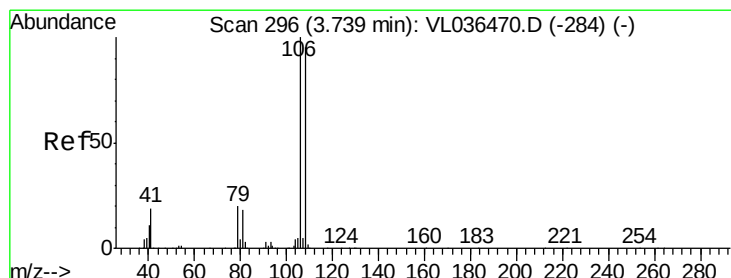
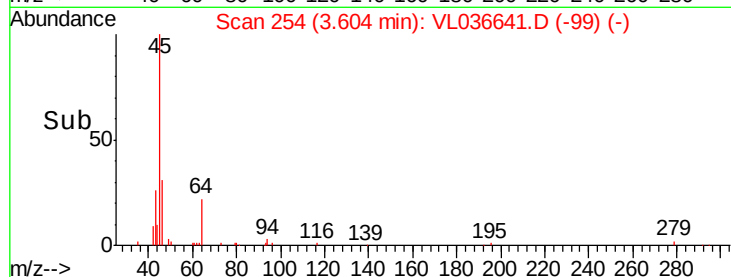
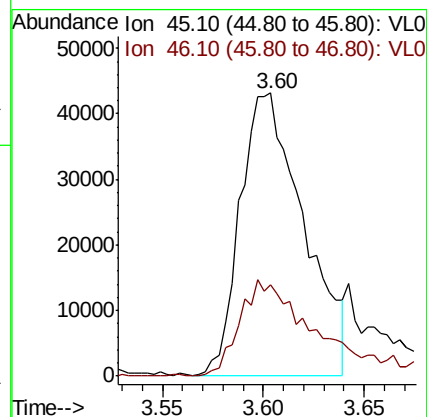
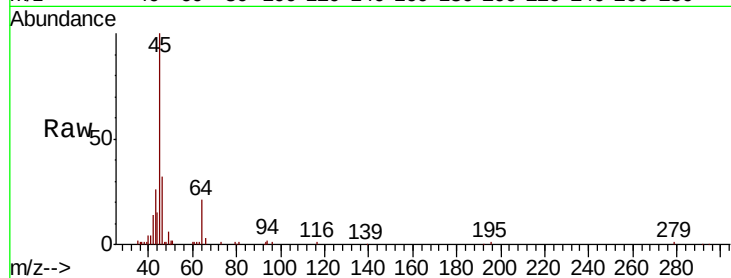
ClientSampleId :

Tot Ion: 45 Resp: 94615

Ion Ratio Lower Upper

45 100

46 43.7 16.6 66.2



#14

Bromoethene

Concen: 9.240 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

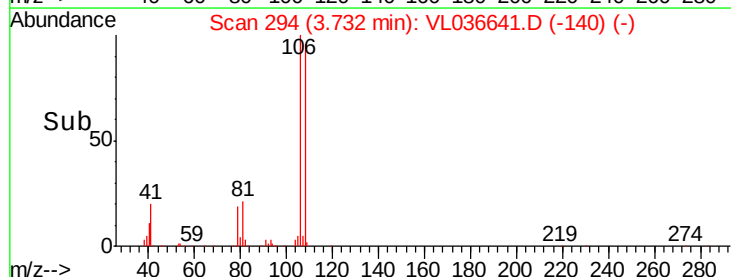
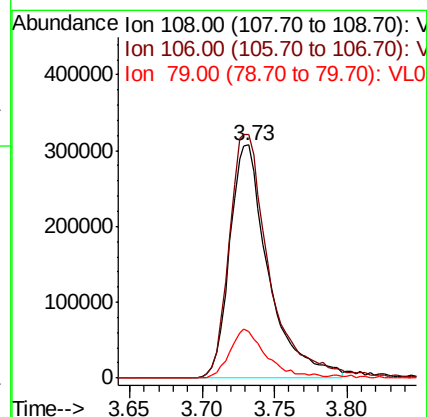
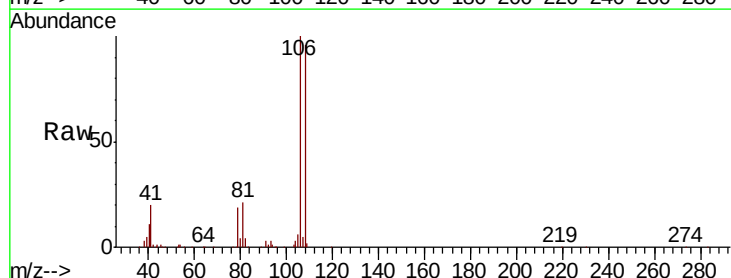
Tgt Ion: 108 Resp: 572776

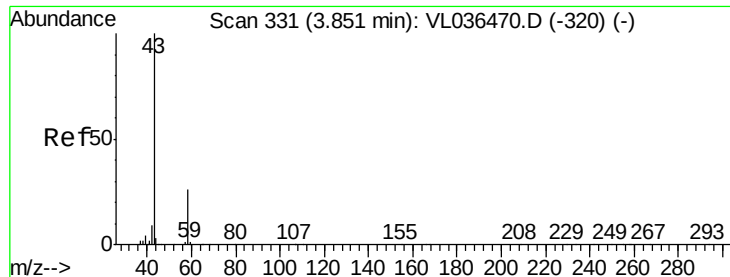
Ion Ratio Lower Upper

108 100

106 109.6 89.0 133.6

79 21.0 16.6 25.0





#15

Acetone

Concen: 8.076 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

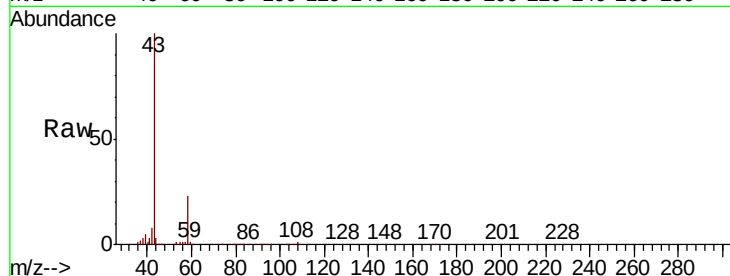
ClientSampleId :

Tot Ion: 43 Resp: 1115188

Ion Ratio Lower Upper

43 100

58 27.7 21.2 31.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

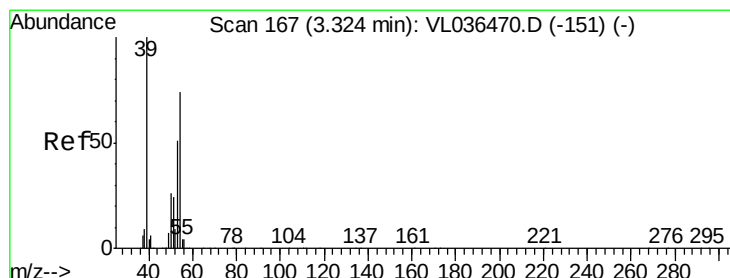
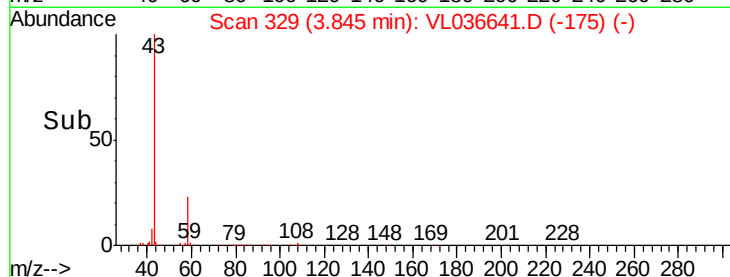
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 8.535 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL036641.D

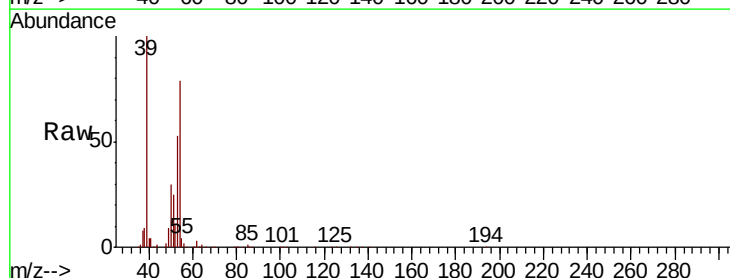
Acq: 2 Apr 2021 11:27

Tgt Ion: 39 Resp: 820599

Ion Ratio Lower Upper

39 100

54 76.0 58.8 88.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

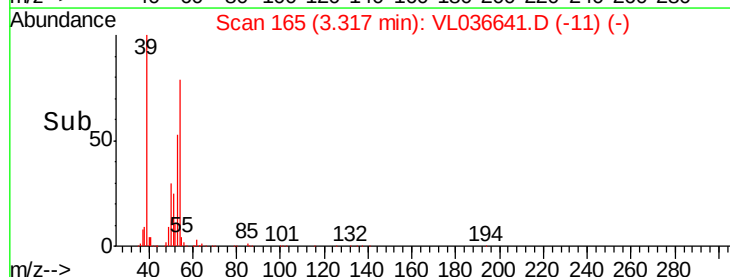
300000

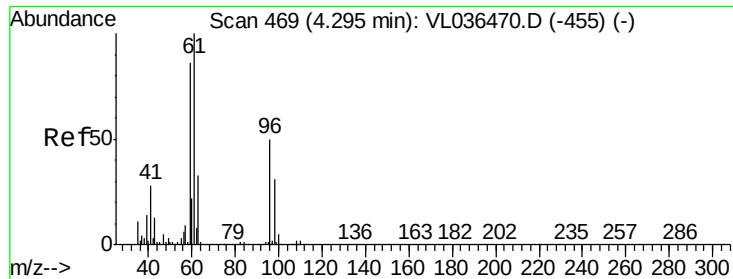
200000

100000

0

Time-->





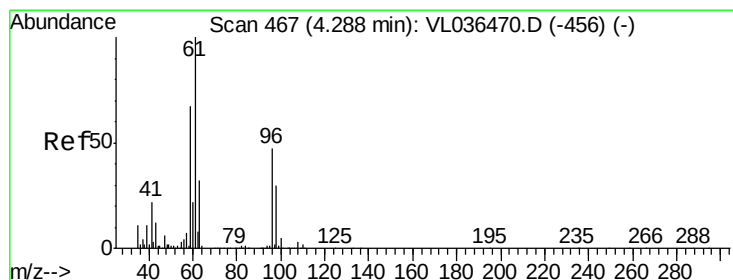
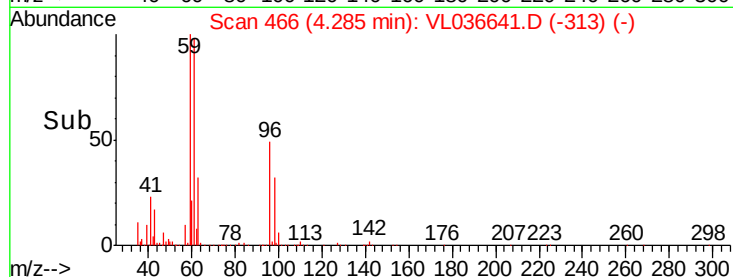
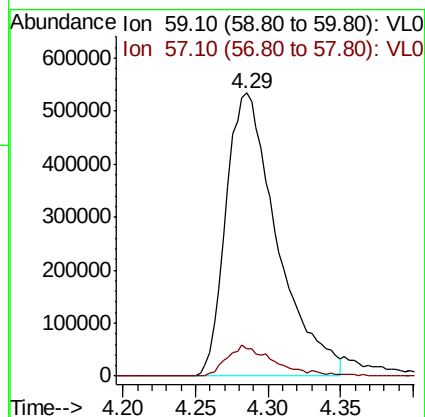
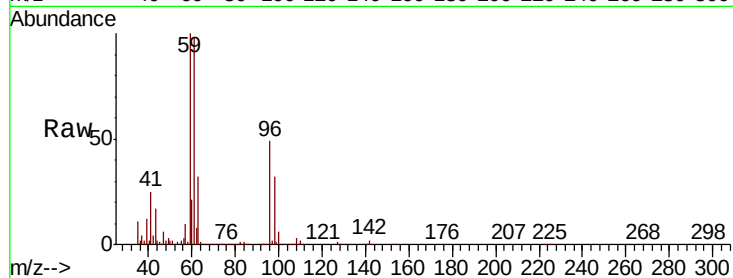
#17

tert-Butyl alcohol
Concen: 10.904 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 59 Resp: 1310794

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

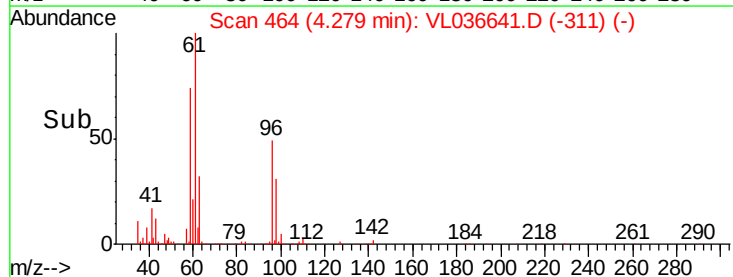
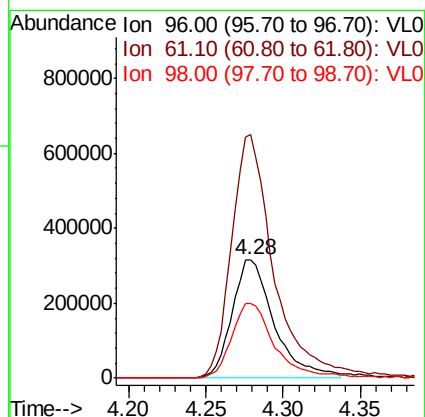
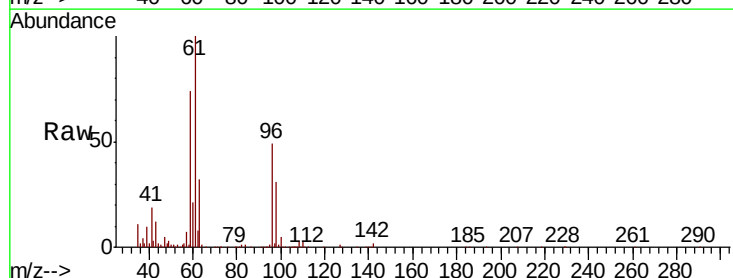


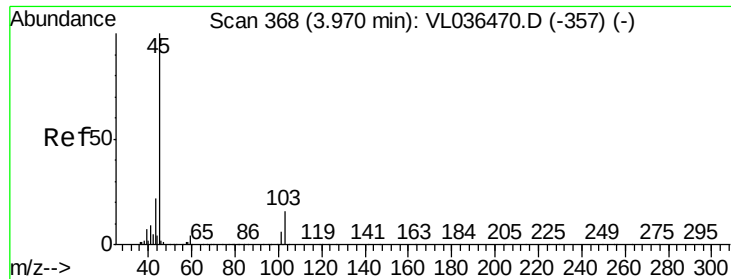
#18

1,1-Dichloroethene
Concen: 9.005 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion: 96 Resp: 597225

Ion	Ratio	Lower	Upper
96	100		
61	205.3	168.6	253.0
98	62.7	50.8	76.2





#19

Isopropyl Alcohol

Concen: 9.932 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

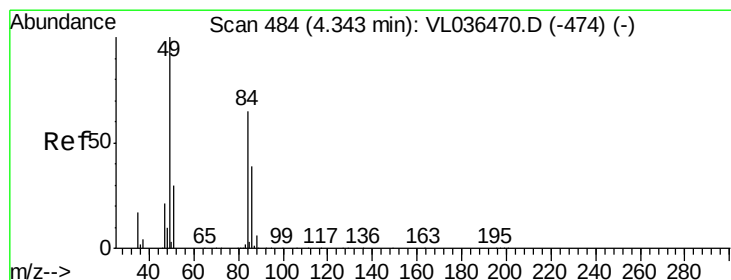
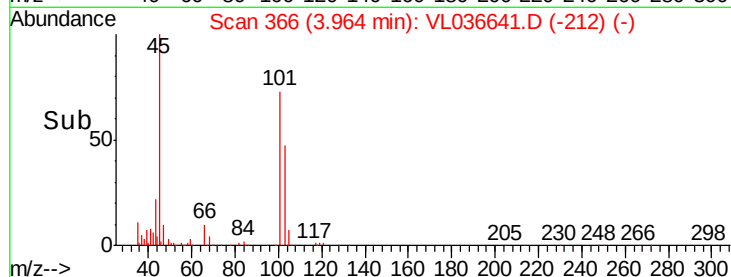
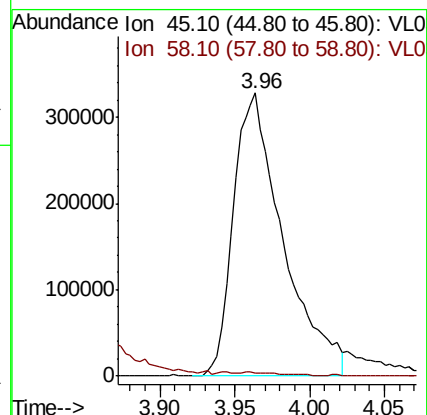
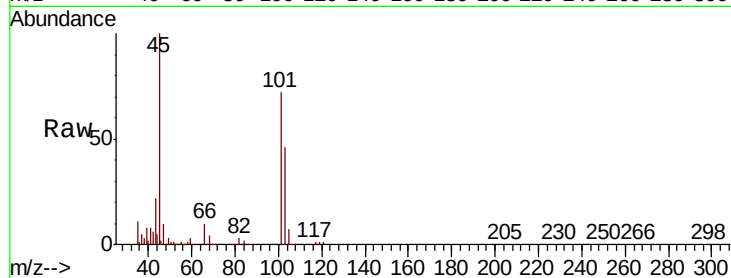
ClientSampleId :

Tot Ion: 45 Resp: 754439

Ion Ratio Lower Upper

45 100

58 1.8 2.9 4.3#



#20

Methylene Chloride

Concen: 7.923 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Tgt Ion: 84 Resp: 512265

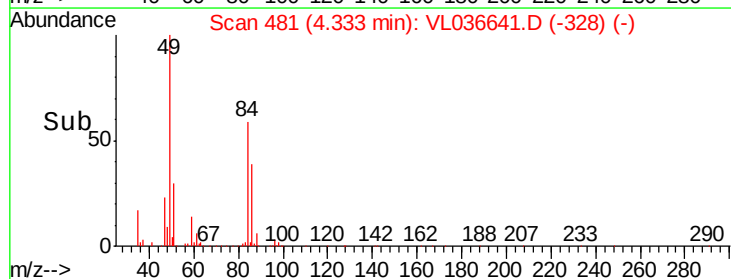
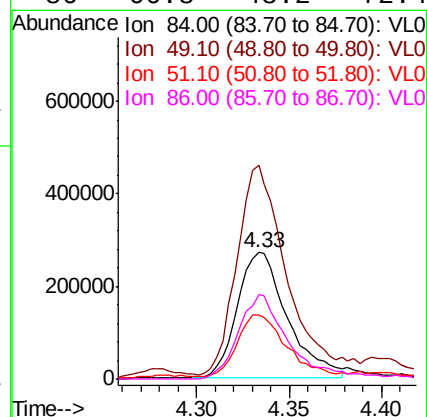
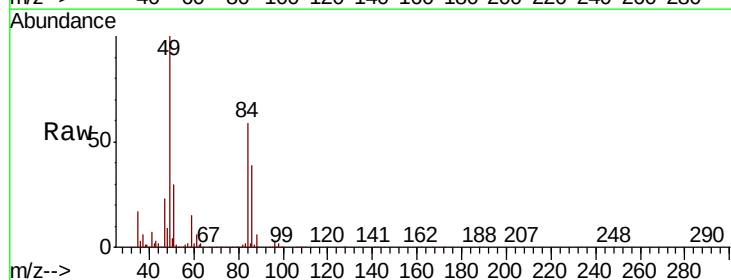
Ion Ratio Lower Upper

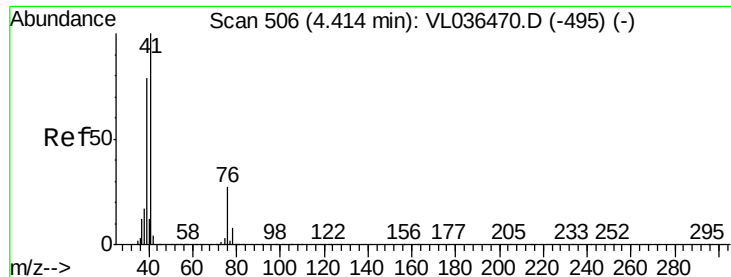
84 100

49 166.9 122.9 184.3

51 49.5 36.9 55.3

86 66.8 48.2 72.4



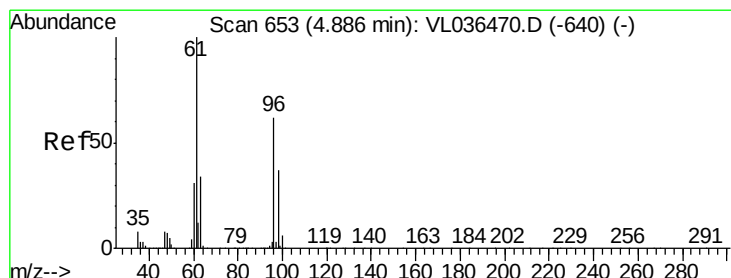
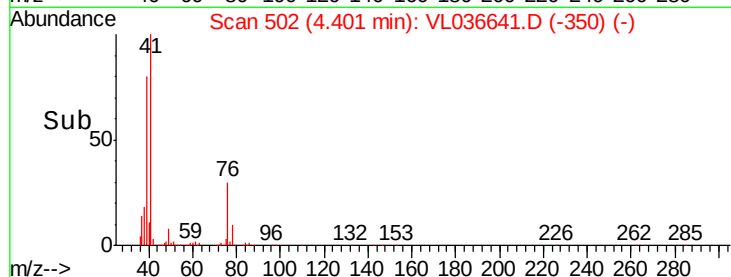
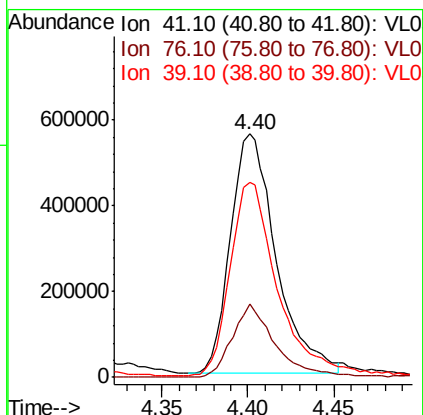
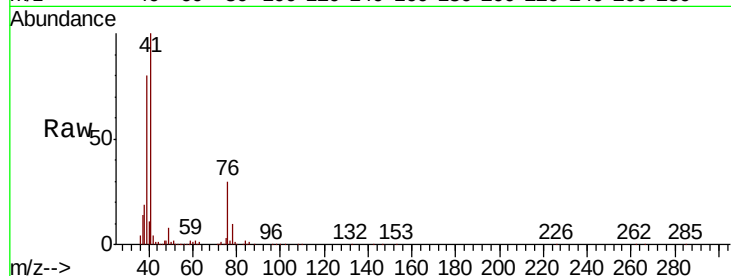


#21
 Allvl Chloride
 Concen: 9.410 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 41 Resp: 1035920

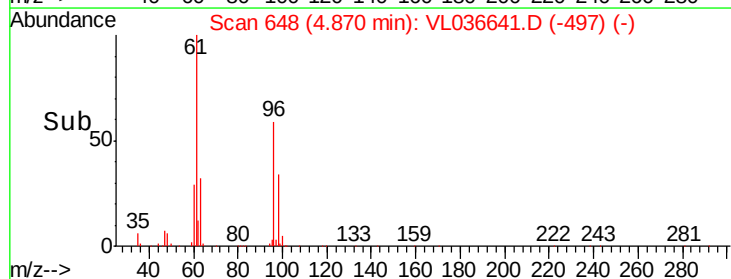
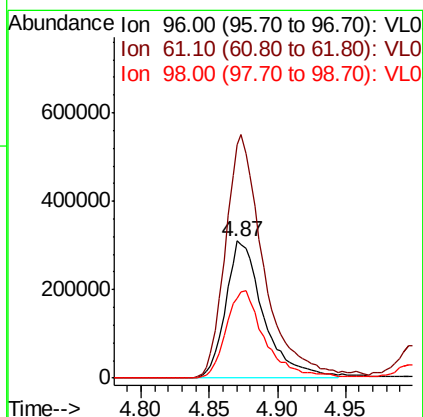
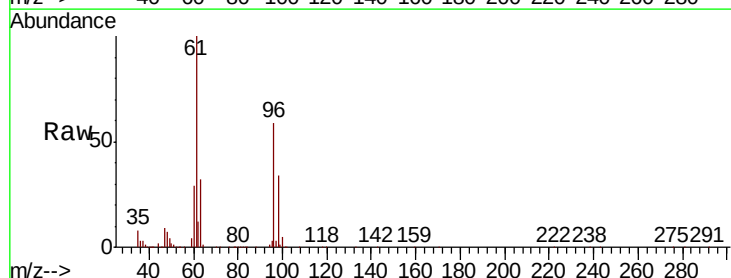
Ion	Ratio	Lower	Upper
41	100		
76	29.4	22.9	34.3
39	85.0	67.3	100.9

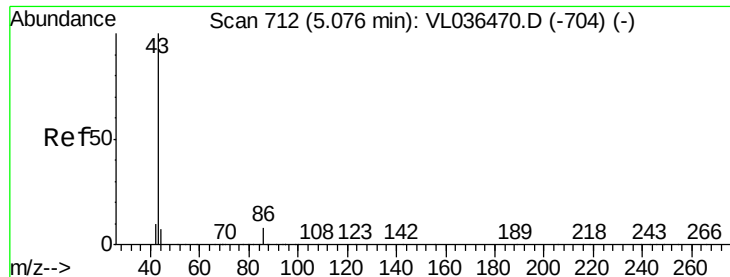


#22
 trans-1,2-Dichloroethene
 Concen: 9.736 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 96 Resp: 598642

Ion	Ratio	Lower	Upper
96	100		
61	170.7	129.4	194.0
98	58.8	48.2	72.4





#23

Vinyl Acetate

Concen: 9.540 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2253384

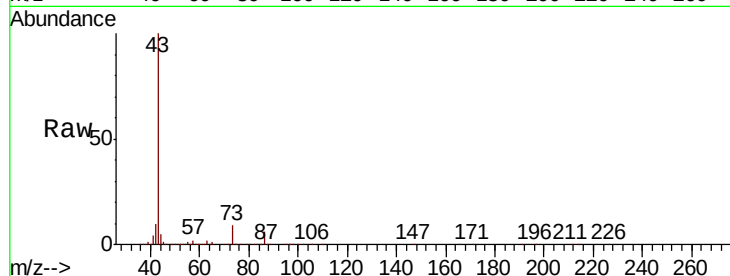
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.4	8.0
42	9.5	8.5	12.7
44	5.1	4.6	7.0

43 100

86 6.6 5.4 8.0

42 9.5 8.5 12.7

44 5.1 4.6 7.0



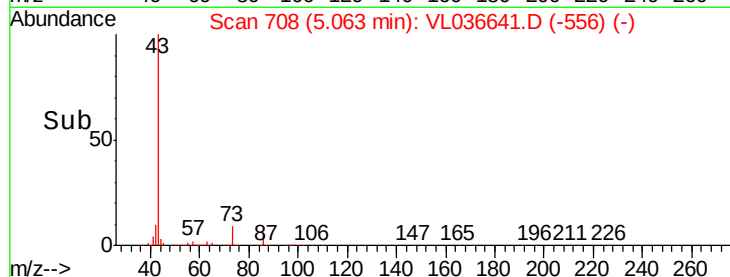
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Time-->



Abundance

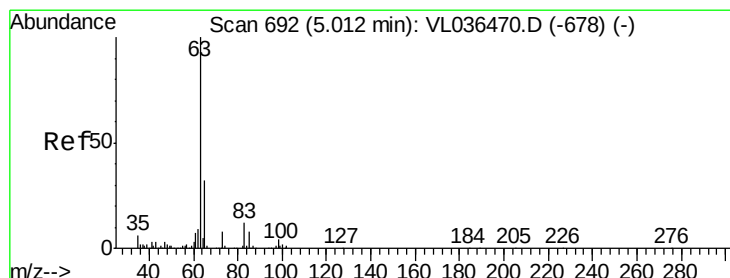
5.06

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 8.715 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

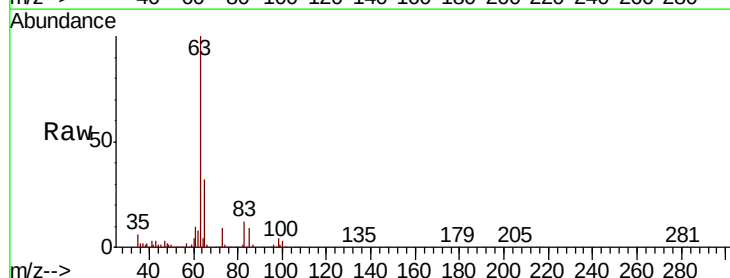
Tgt Ion: 63 Resp: 1500582

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	2.7	0.9	2.8

63 100

98 3.7 2.1 6.2

100 2.7 0.9 2.8

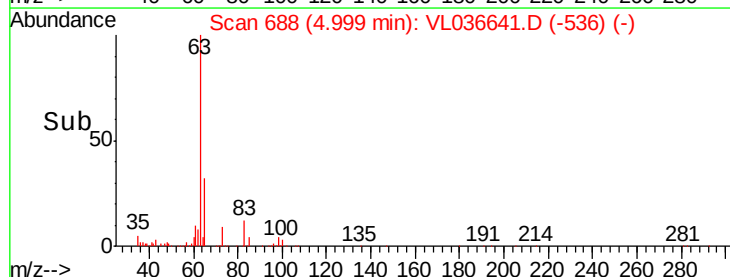


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->



Abundance

5.00

1000000

800000

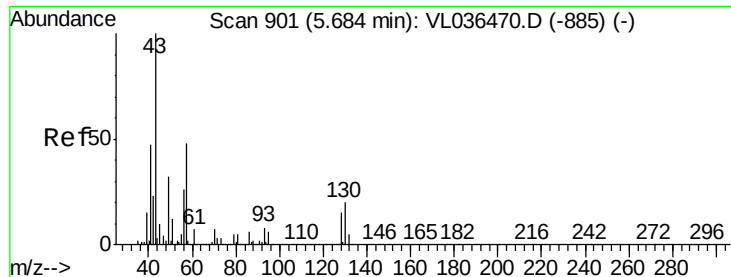
600000

400000

200000

0

Time-->

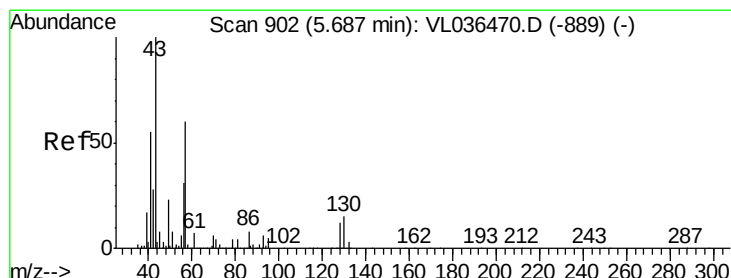
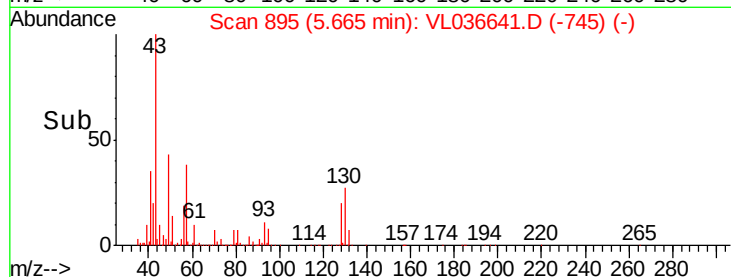
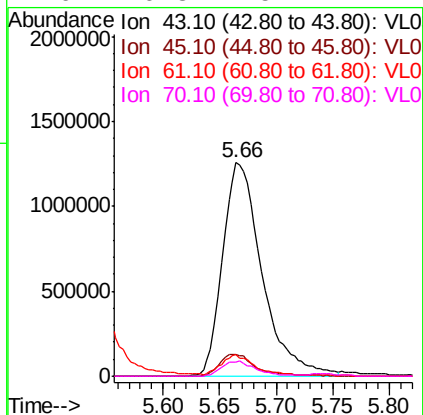
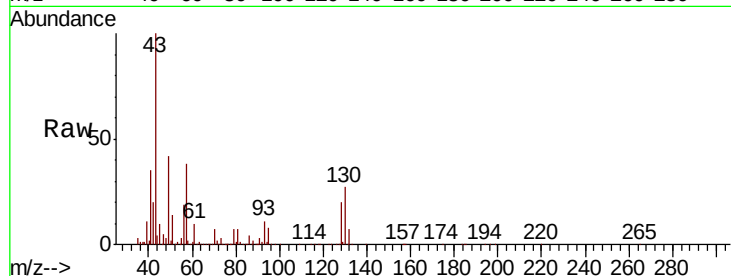


#25
Ethyl Acetate
Concen: 9.246 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3035488

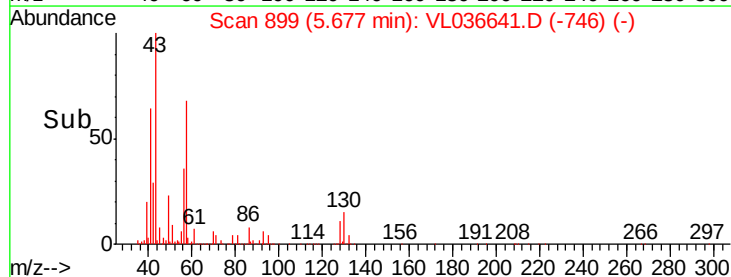
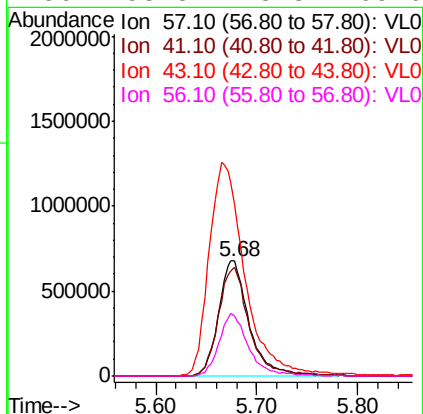
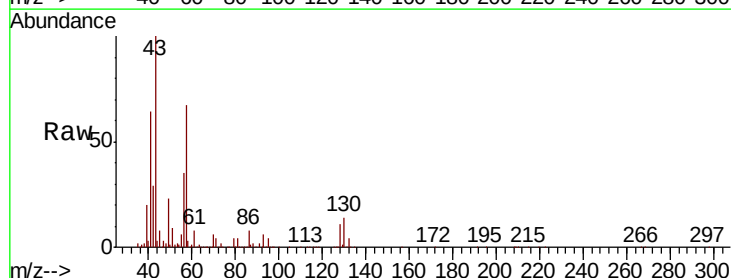
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.4	7.4	11.2
70	6.3	5.1	7.7

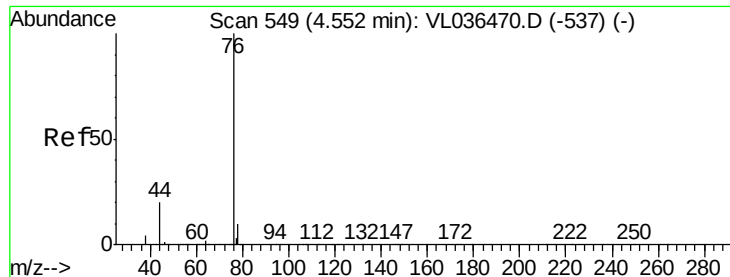


#26
Hexane
Concen: 9.335 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion: 57 Resp: 1422197

Ion	Ratio	Lower	Upper
57	100		
41	96.6	77.2	115.8
43	218.2	173.8	260.6
56	53.3	43.8	65.6





#27

Carbon Disulfide

Concen: 10.226 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

ClientSampleId :

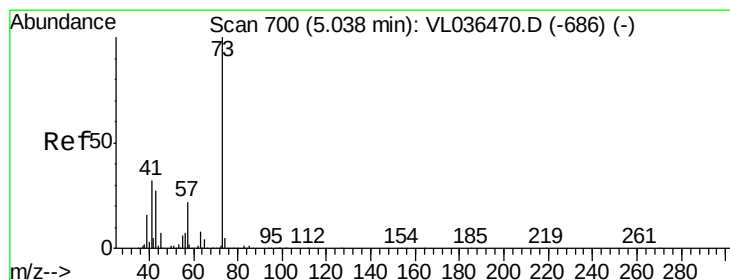
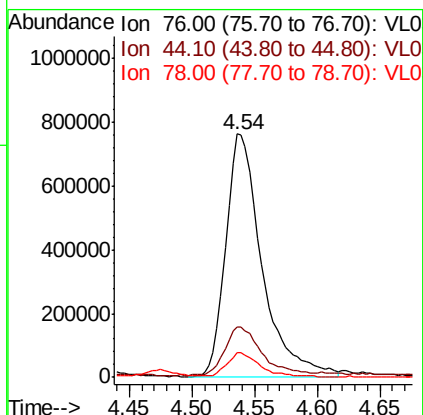
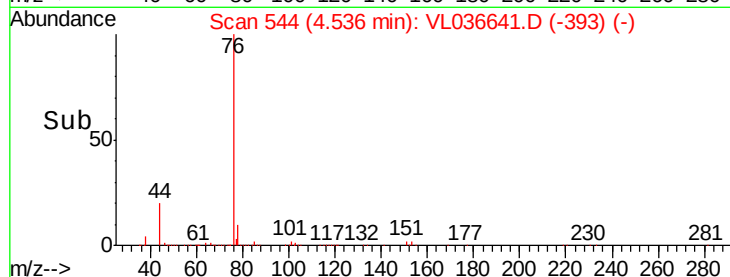
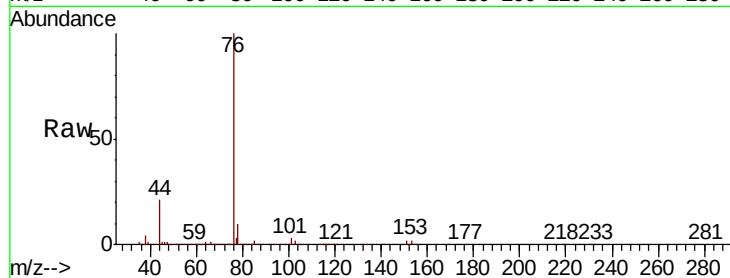
Tot Ion: 76 Resp: 1534740

Ion Ratio Lower Upper

76 100

44 22.0 17.5 26.3

78 10.0 8.6 13.0



#28

Methyl tert-Butyl Ether

Concen: 10.125 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL036641.D

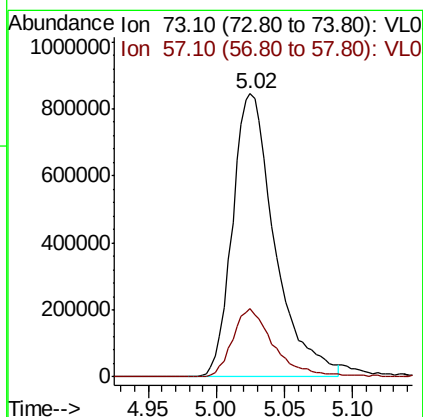
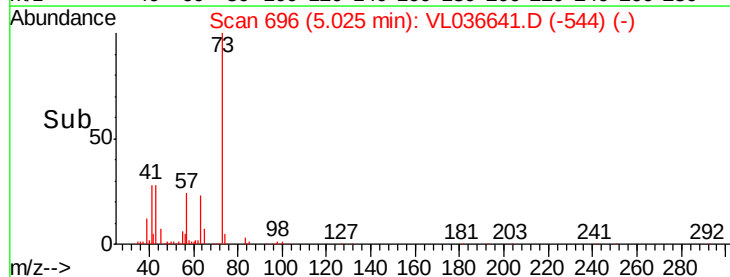
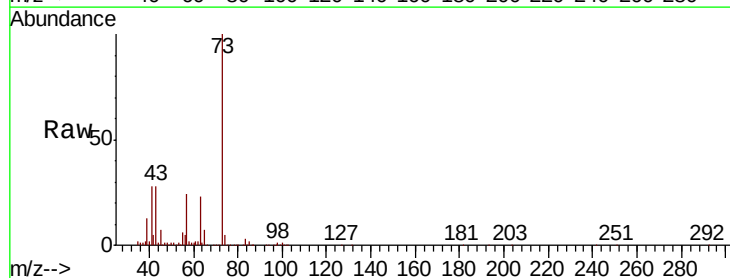
Acq: 2 Apr 2021 11:27

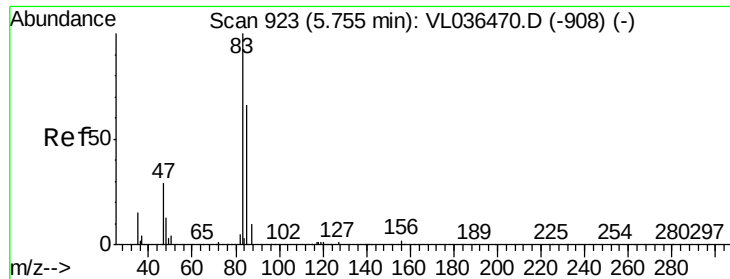
Tgt Ion: 73 Resp: 1819110

Ion Ratio Lower Upper

73 100

57 23.8 18.5 27.7

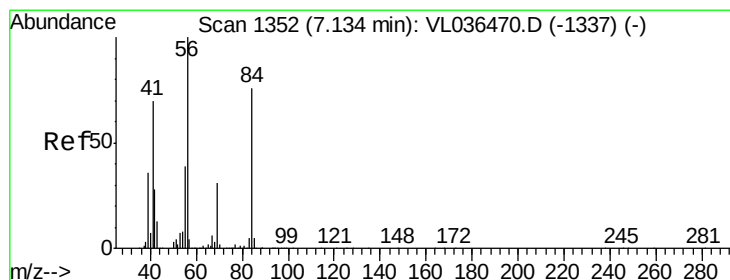
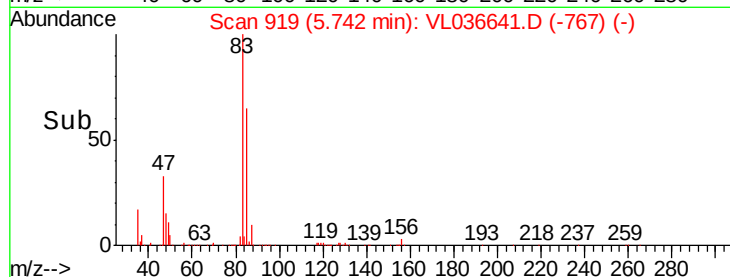
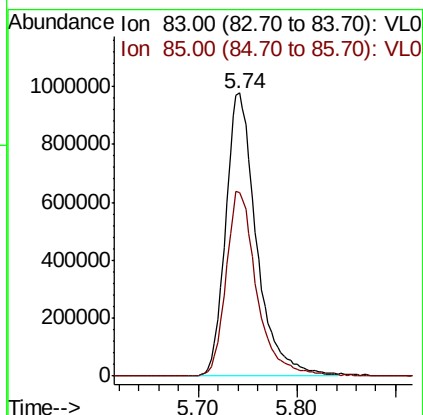
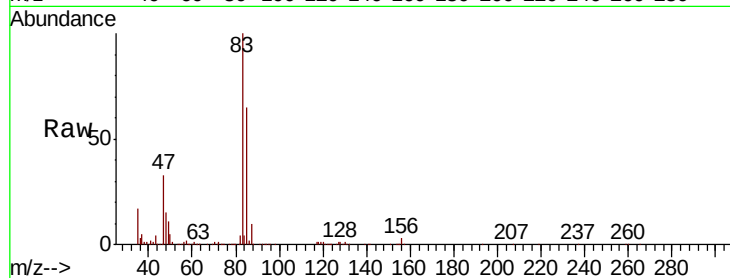




#29
Chloroform
Concen: 8.783 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

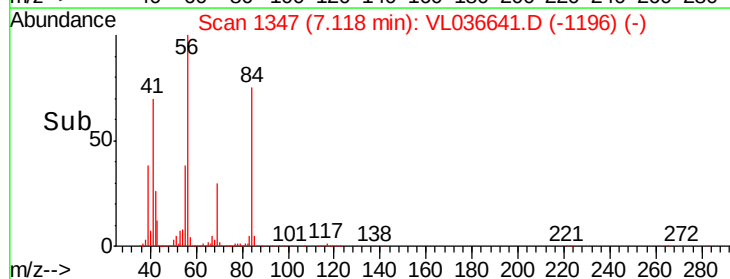
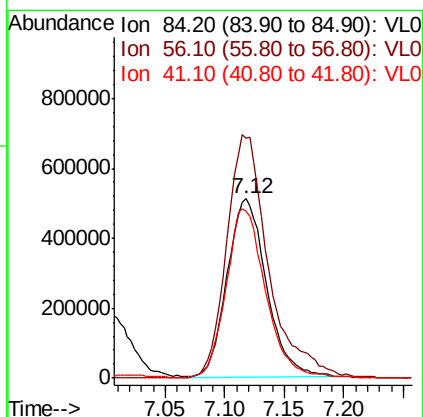
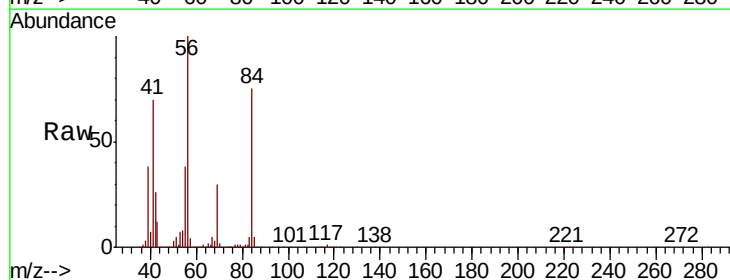
Instrument :
MSVOA_L
ClientSampled :

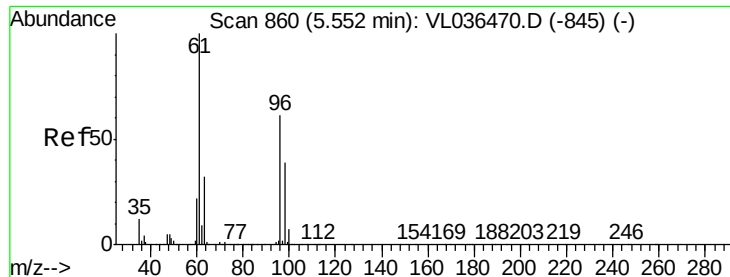
Tot Ion: 83 Resp: 2139909
Ion Ratio Lower Upper
83 100
85 64.8 52.6 78.8



#30
Cyclohexane
Concen: 9.504 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion: 84 Resp: 1174277
Ion Ratio Lower Upper
84 100
56 146.0 114.6 171.8
41 95.0 75.3 112.9



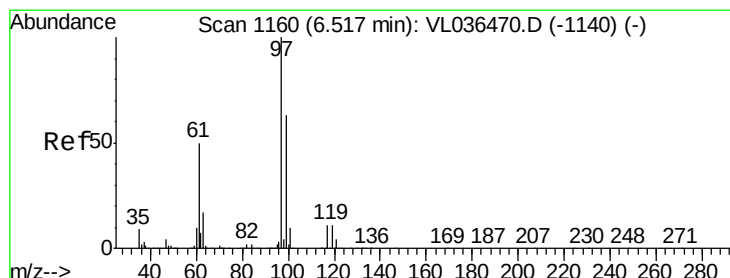
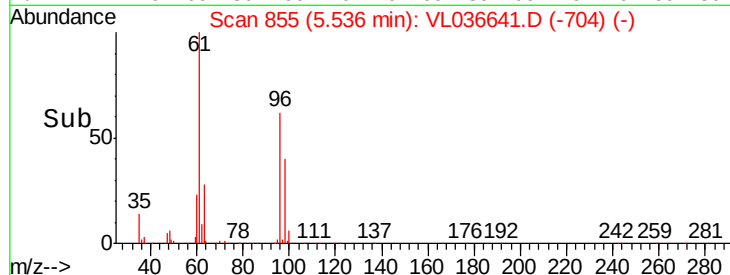
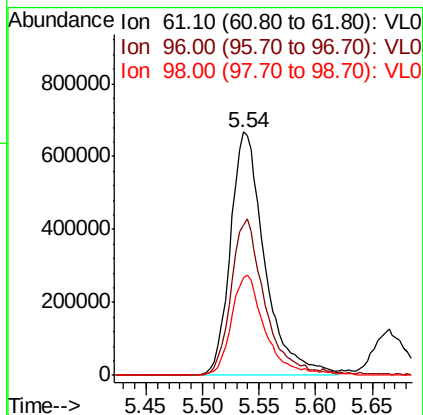
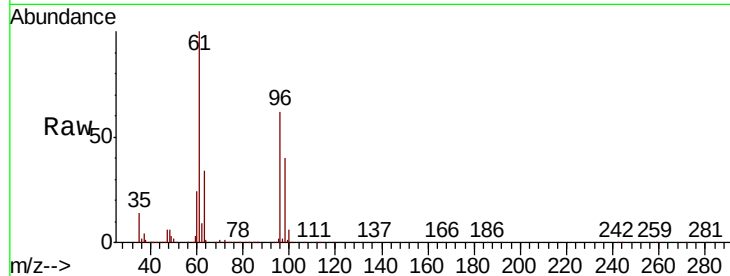


#31

cis-1,2-Dichloroethene
 Concen: 9.578 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Instrument :
 MSVOA_L
 ClientSampleId :

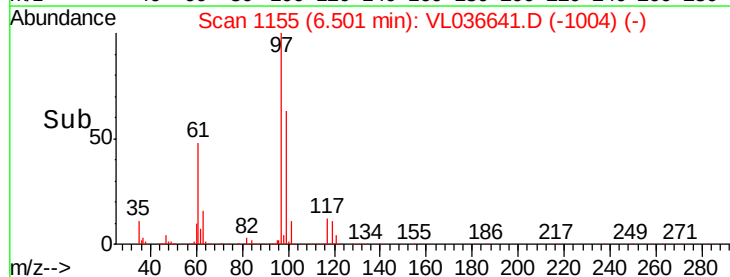
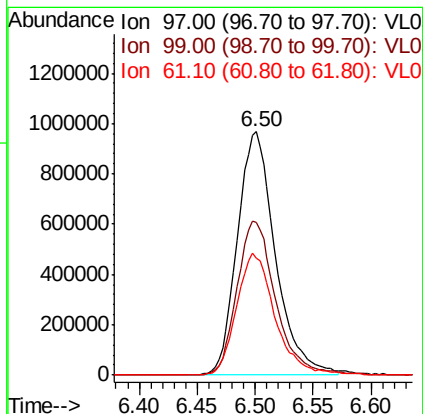
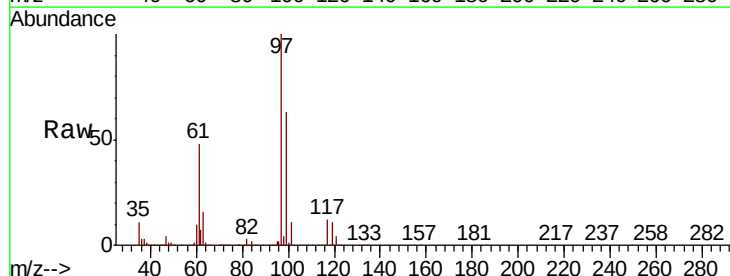
Tot Ion: 61 Resp: 1411474
 Ion Ratio Lower Upper
 61 100
 96 61.8 48.7 73.1
 98 39.9 31.4 47.0

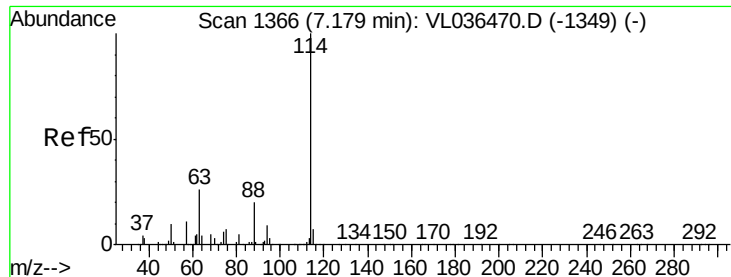


#32

1,1,1-Trichloroethane
 Concen: 9.004 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 97 Resp: 2211005
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.0
 61 50.6 40.6 60.8

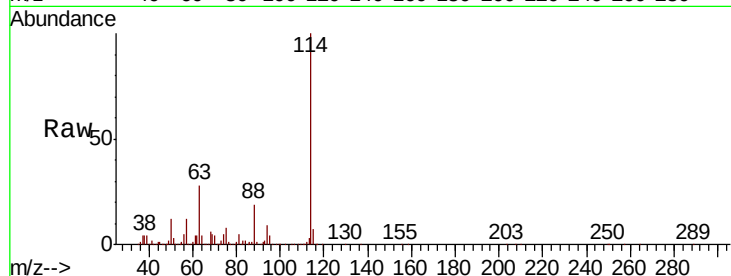




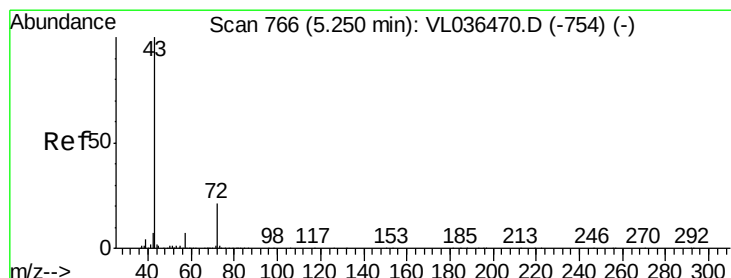
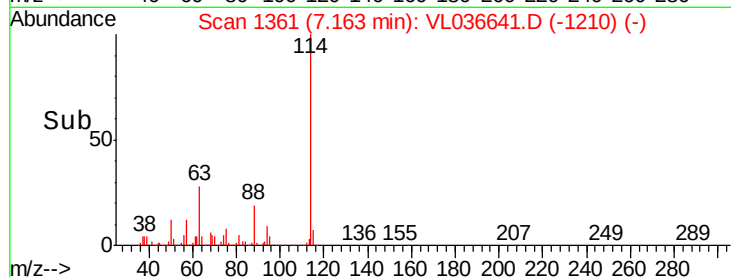
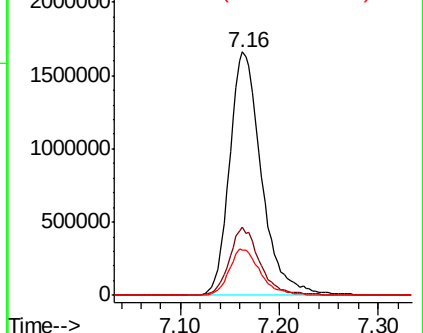
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3745915
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.4 33.6
 88 18.8 15.4 23.0

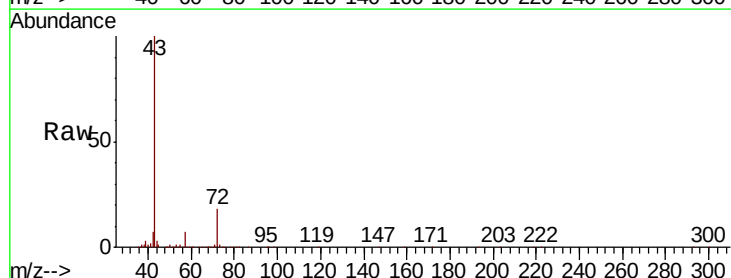


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

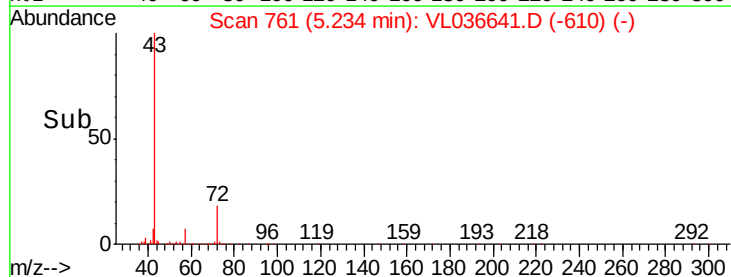
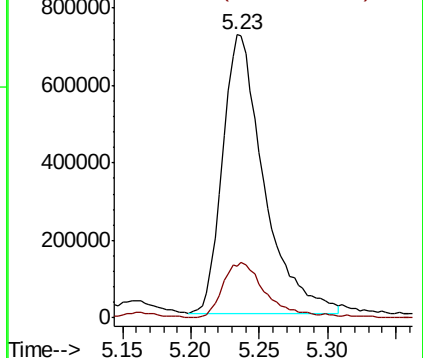


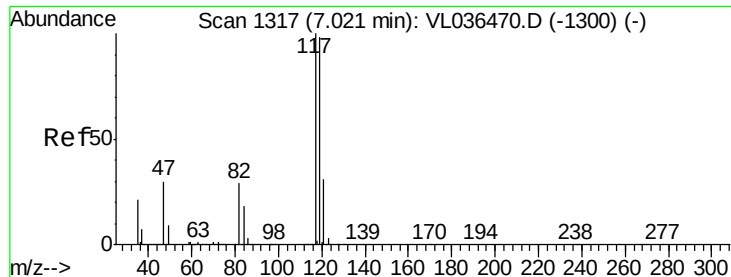
#34
 2-Butanone
 Concen: 8.292 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 43 Resp: 1516254
 Ion Ratio Lower Upper
 43 100
 72 21.2 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 7.972 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

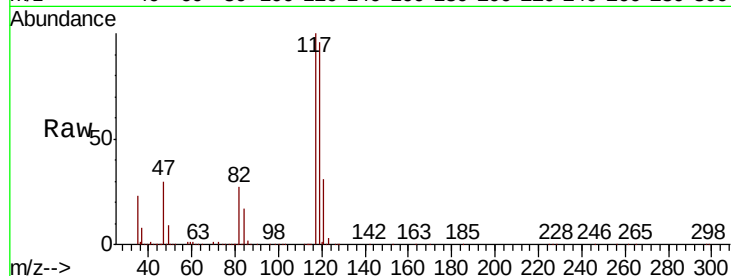
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 2293541

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.2	117.2
121	30.9	24.5	36.7

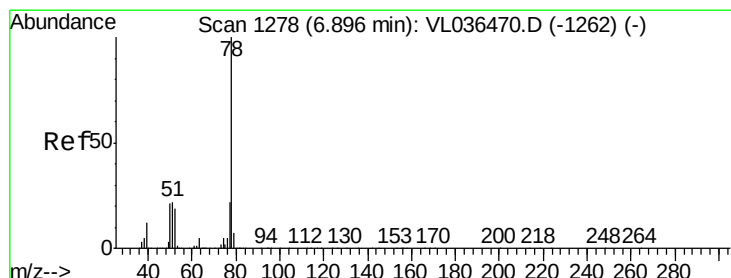
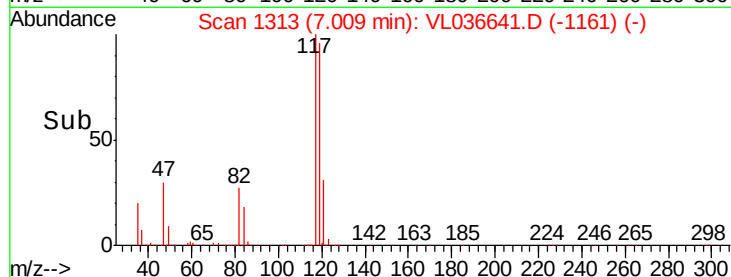
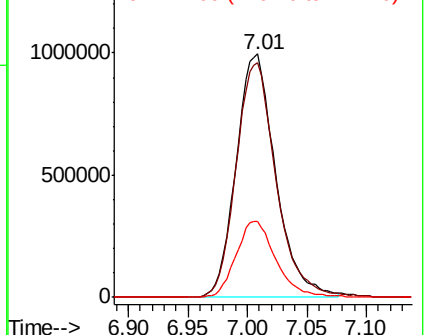


Abundance

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: 8.285 ppbv

RT: 6.88 min Scan# 1273

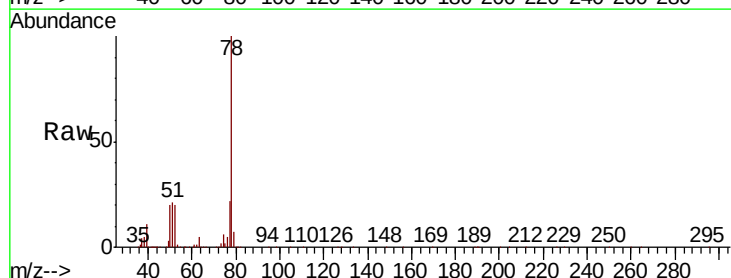
Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Tgt Ion: 78 Resp: 2862176

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.0	27.0
50	20.4	16.5	24.7

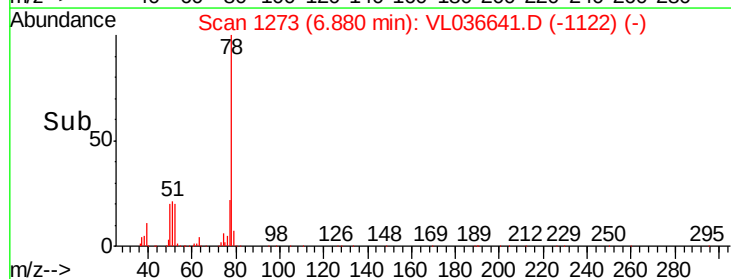
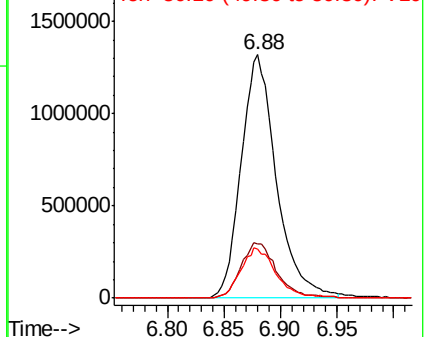


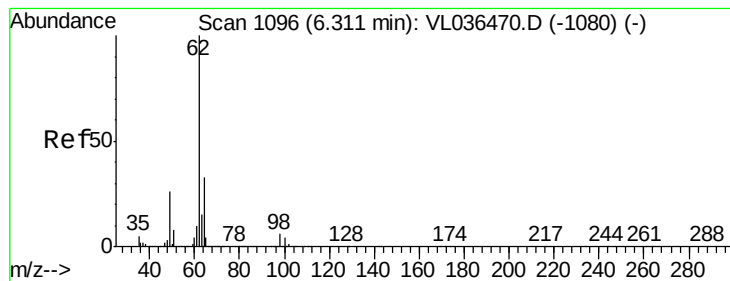
Abundance

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: 8.216 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

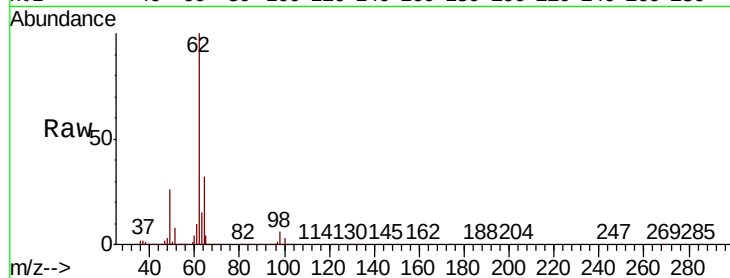
ClientSampleId :

Tot Ion: 62 Resp: 1670627

Ion Ratio Lower Upper

62 100

98 5.9 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

6.30

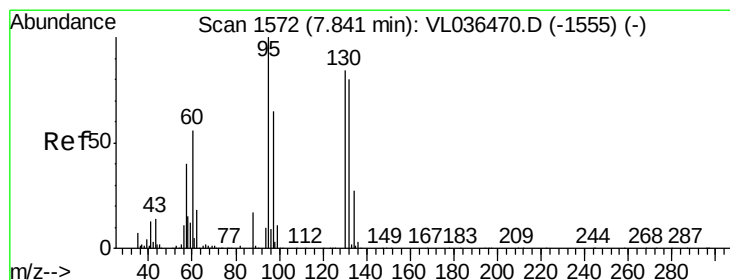
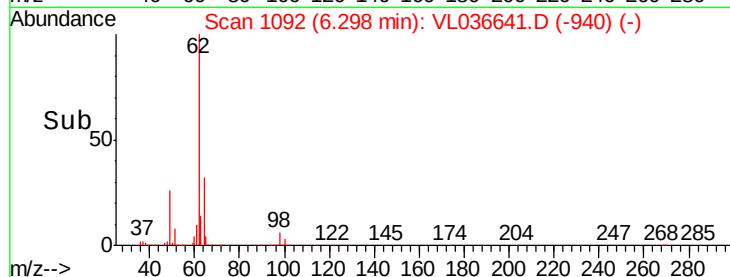
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.093 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Tgt Ion: 130 Resp: 1088137

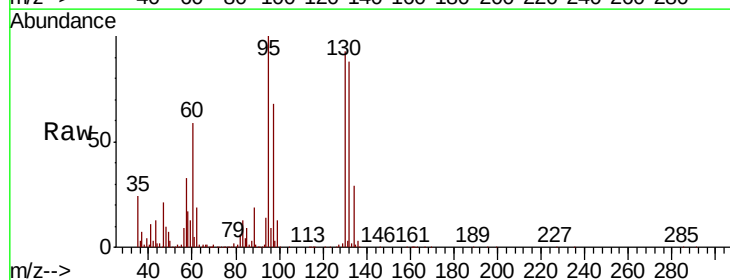
Ion Ratio Lower Upper

130 100

95 107.7 95.7 143.5

132 95.1 76.2 114.4

97 72.7 61.8 92.6



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

7.82

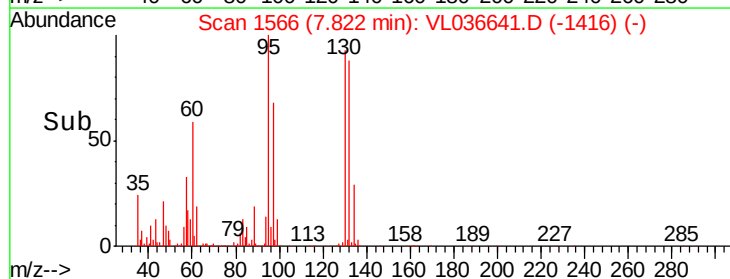
600000

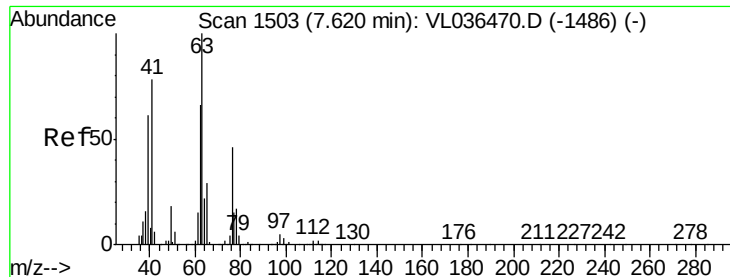
400000

200000

0

Time-->



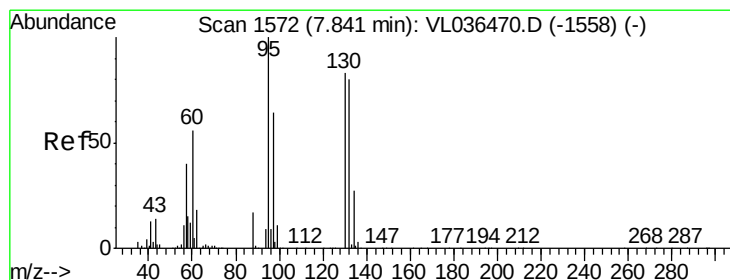
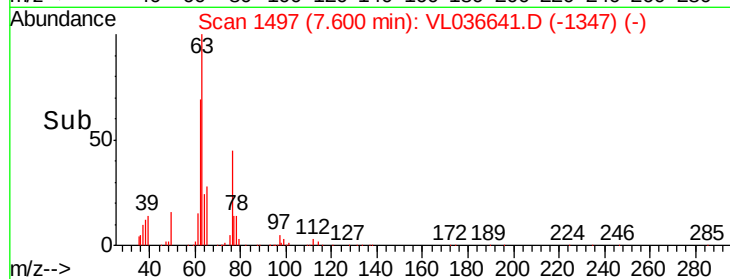
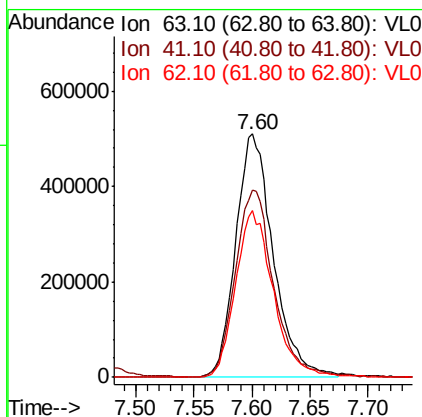
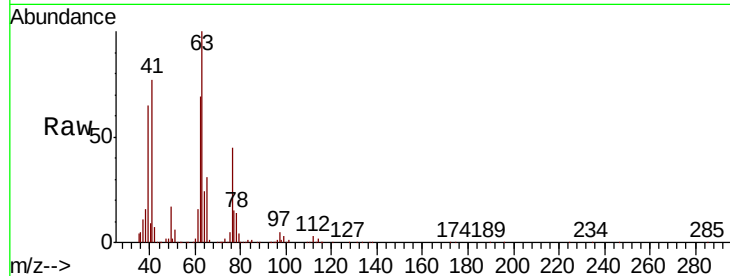


#39
 1,2-Dichloropropane
 Concen: 8.170 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1144995

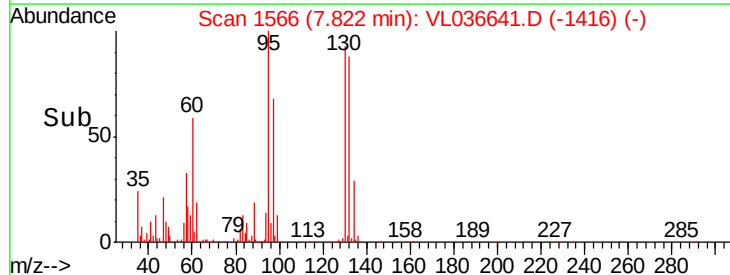
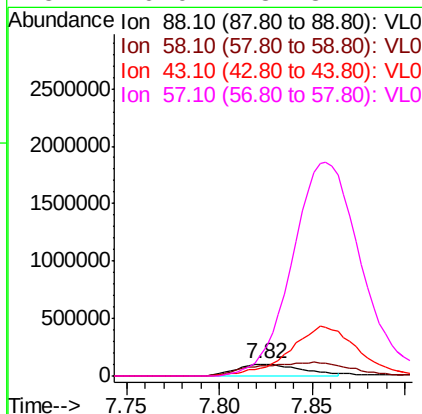
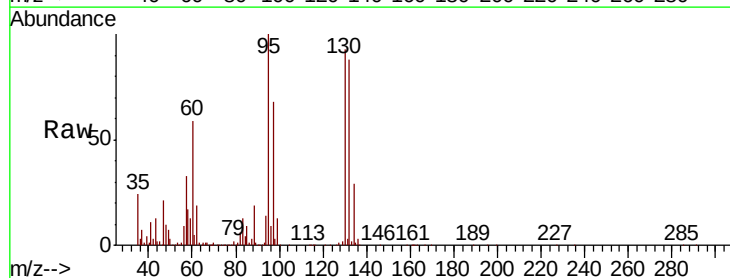
Ion	Ratio	Lower	Upper
63	100		
41	76.9	62.4	93.6
62	68.4	52.8	79.2

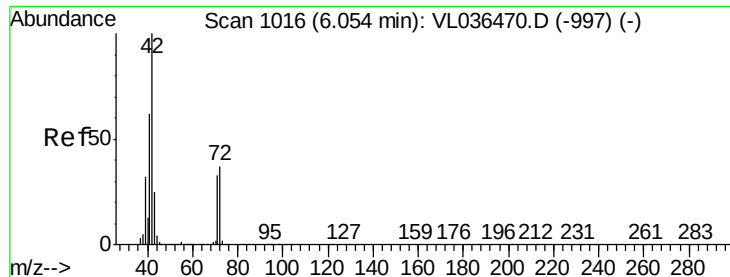


#40
 1,4-Dioxane
 Concen: 7.591 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 88 Resp: 247591

Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





#41

Tetrahydrofuran

Concen: 8.595 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

ClientSampleId :

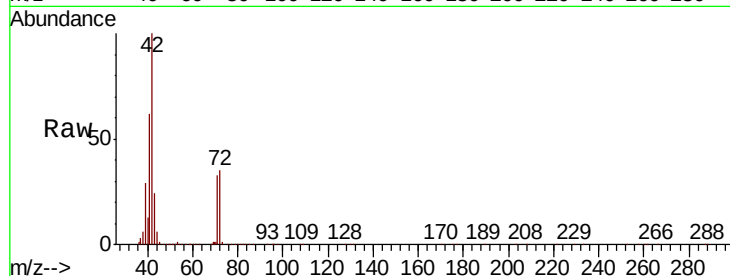
Tot Ion: 42 Resp: 724641

Ion Ratio Lower Upper

42 100

72 37.4 27.6 41.4

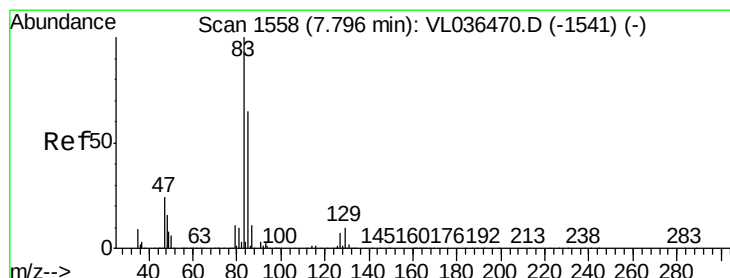
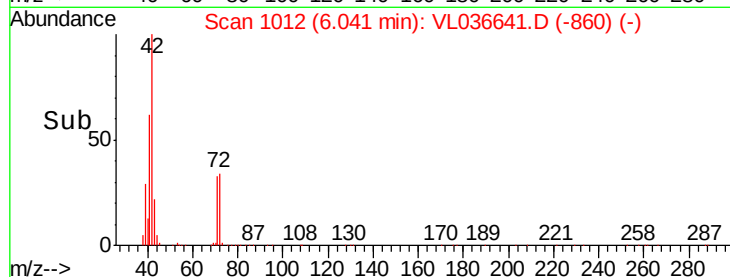
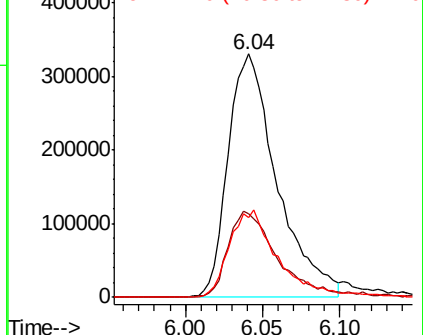
71 36.5 27.0 40.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 8.472 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

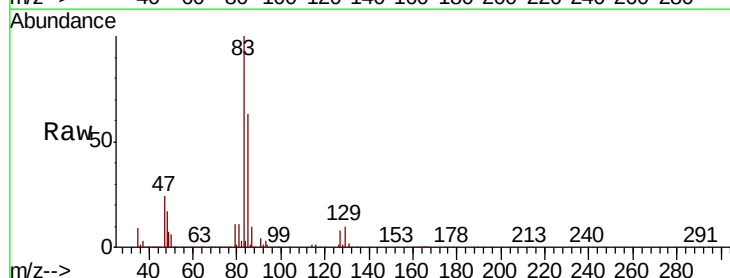
Tgt Ion: 83 Resp: 2343274

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6

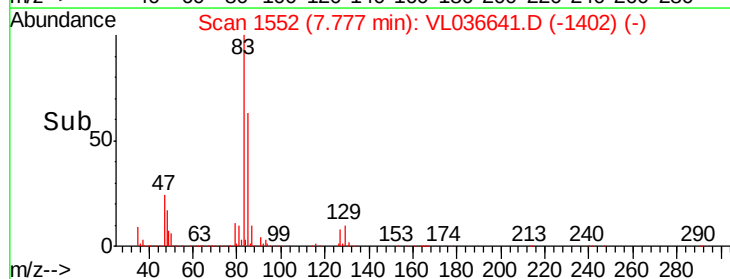
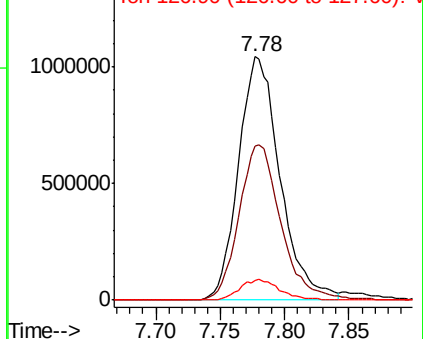
127 8.2 5.8 8.8

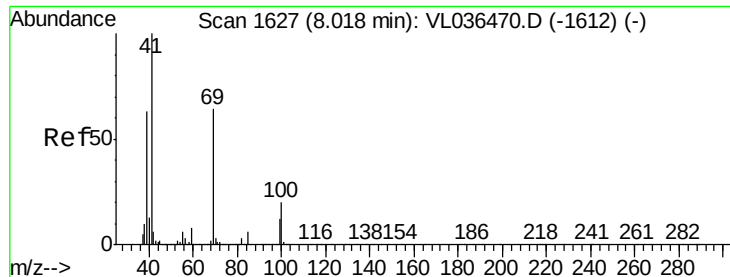


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.245 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.02 min

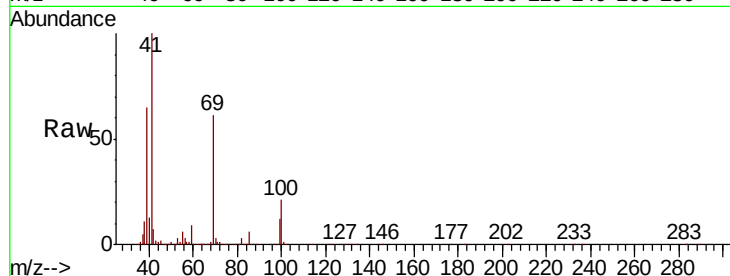
Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1072479

Ion	Ratio	Lower	Upper
69	100		
41	162.9	126.8	190.2
100	32.6	24.9	37.3

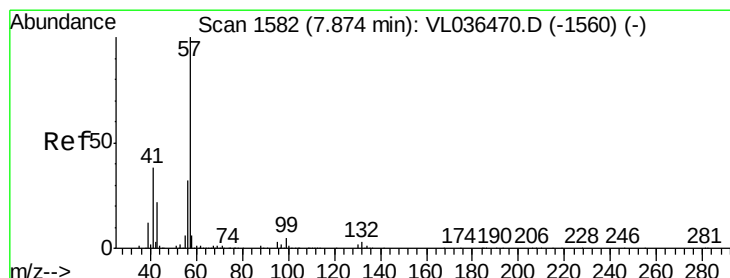
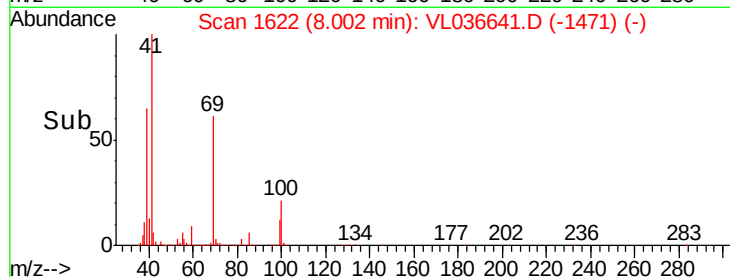
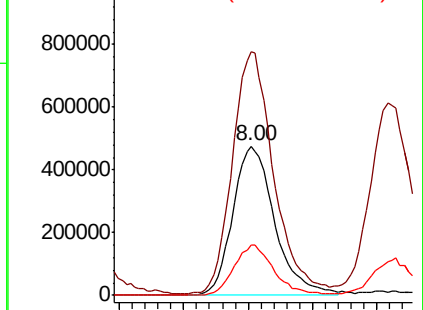


Abundance

Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 8.045 ppbv

RT: 7.86 min Scan# 1577

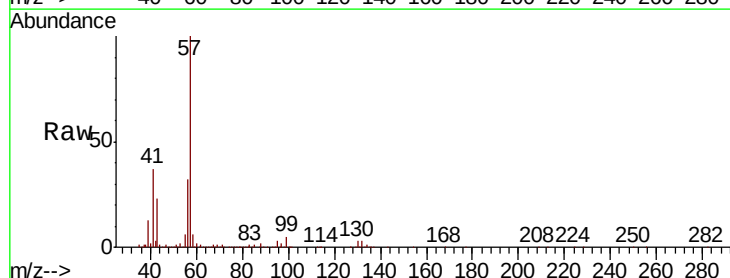
Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Tgt Ion: 57 Resp: 4891789

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.8	43.2
56	31.6	26.1	39.1

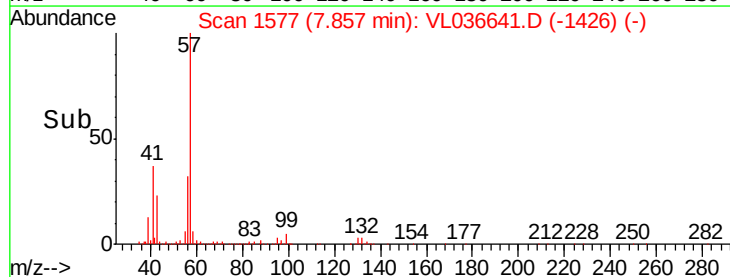
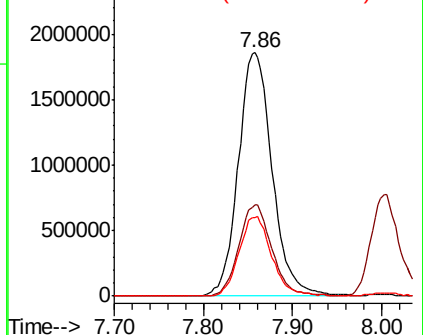


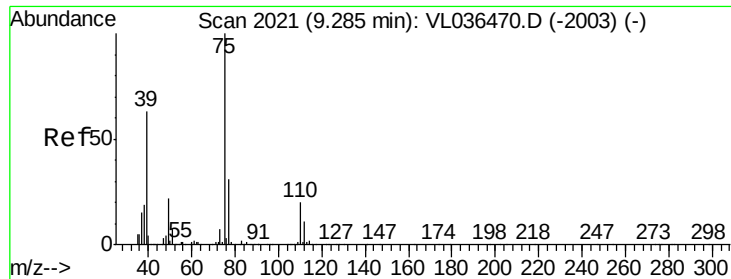
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

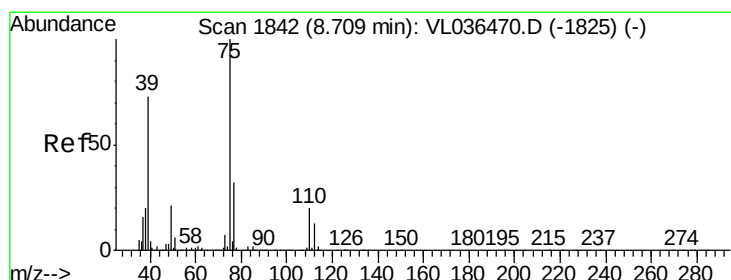
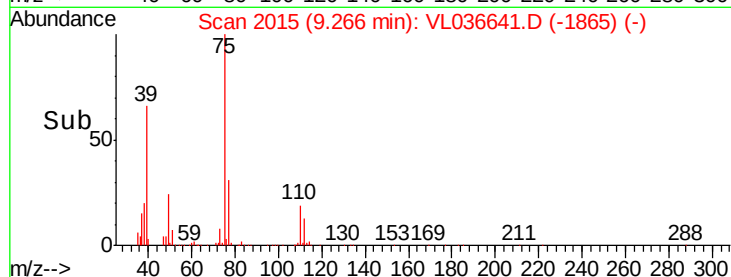
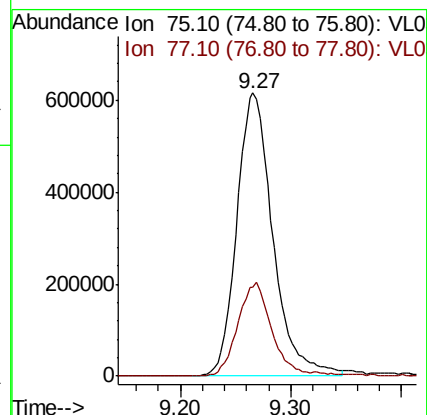
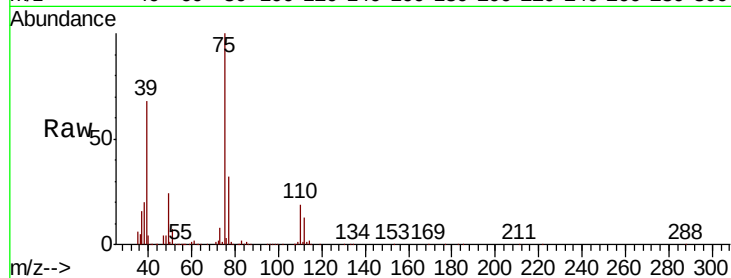




#45
t-1,3-Dichloropropene
Concen: 10.485 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

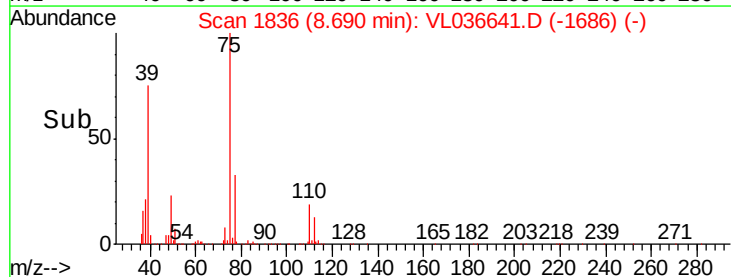
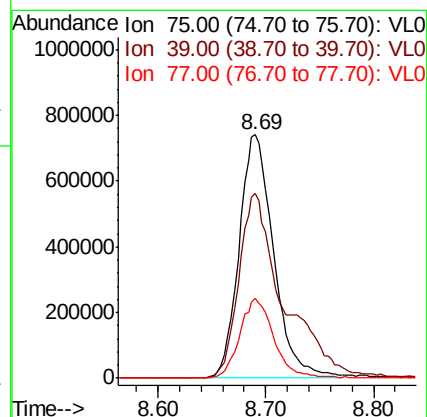
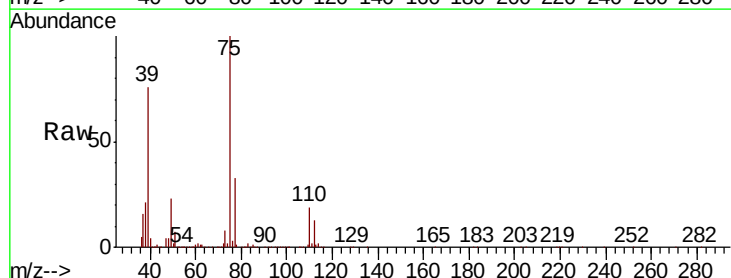
Instrument :
MSVOA_L
ClientSampleId :

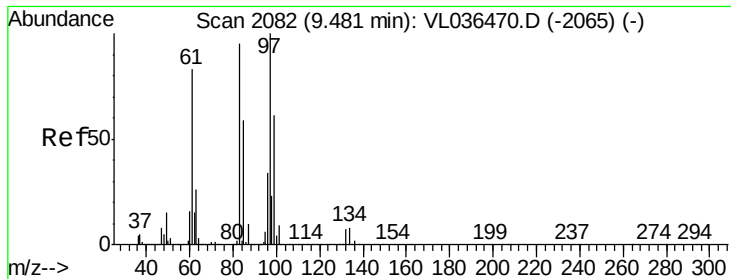
Tot Ion: 75 Resp: 1388859
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 9.747 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion: 75 Resp: 1650452
Ion Ratio Lower Upper
75 100
39 75.7 58.2 87.2
77 32.7 25.2 37.8

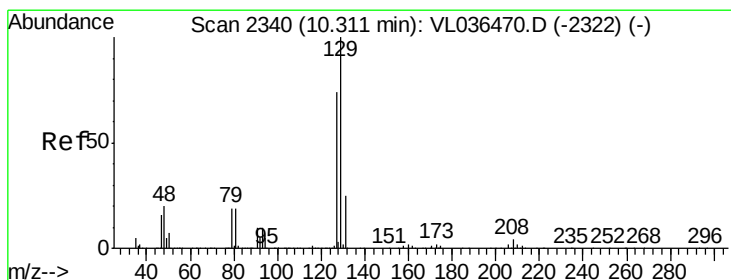
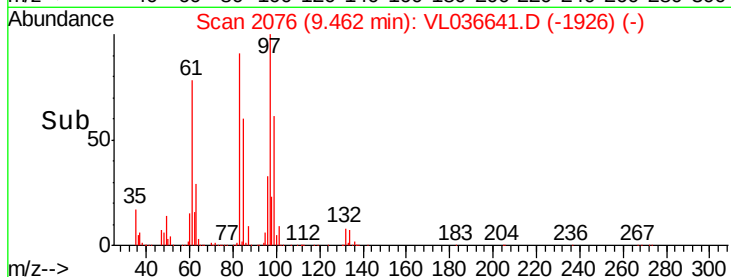
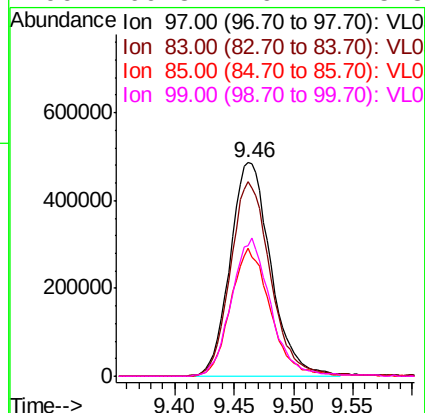
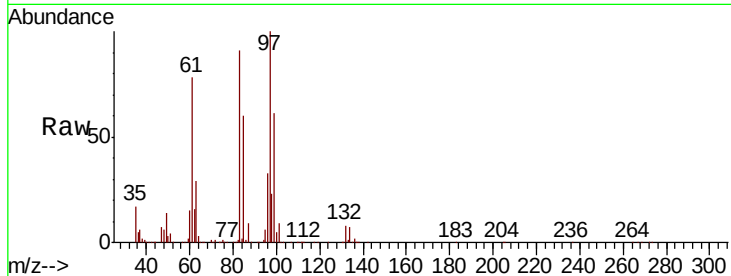




#47
 1,1,2-Trichloroethane
 Concen: 8.095 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

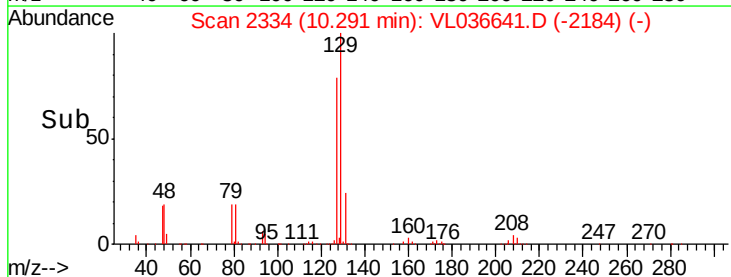
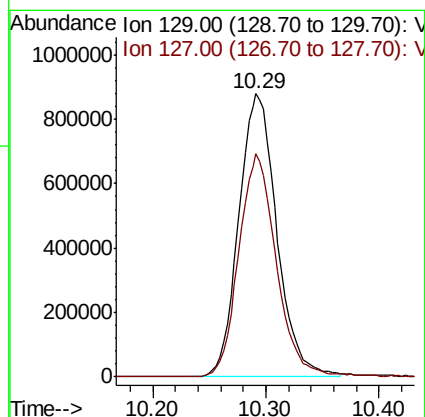
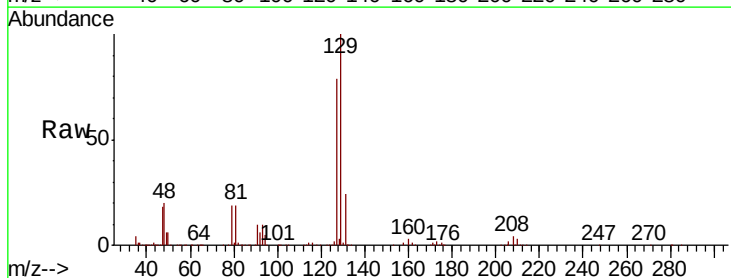
Instrument :
 MSVOA_L
 ClientSampleId :

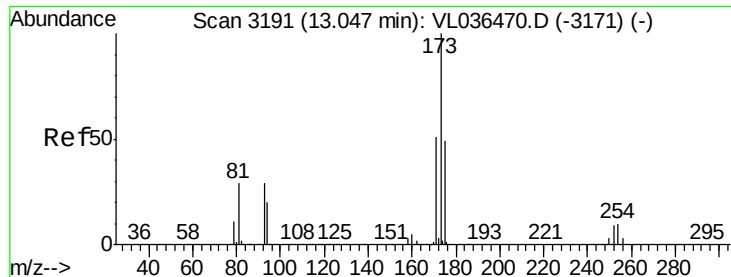
Tot Ion: 97 Resp: 1149111
 Ion Ratio Lower Upper
 97 100
 83 90.8 75.8 113.8
 85 59.8 47.1 70.7
 99 60.8 49.2 73.8



#48
 Dibromochloromethane
 Concen: 9.488 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 129 Resp: 2053005
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.6 118.8





#49

Bromoform

Concen: 10.015 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

ClientSampleId :

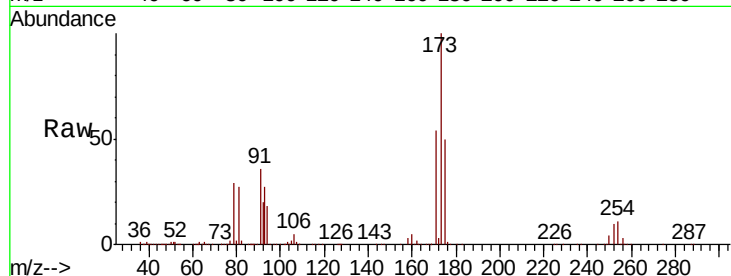
Tot Ion:173 Resp: 1746026

Ion Ratio Lower Upper

173 100

175 50.8 39.6 59.4

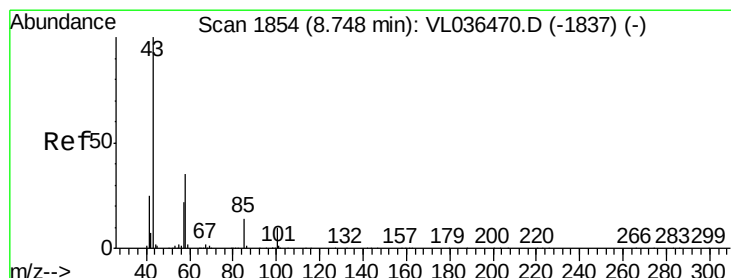
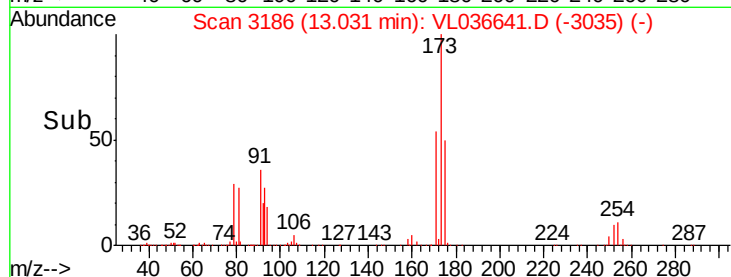
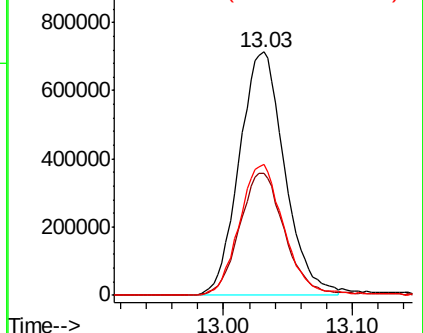
171 54.1 41.4 62.0



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: 8.830 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036641.D

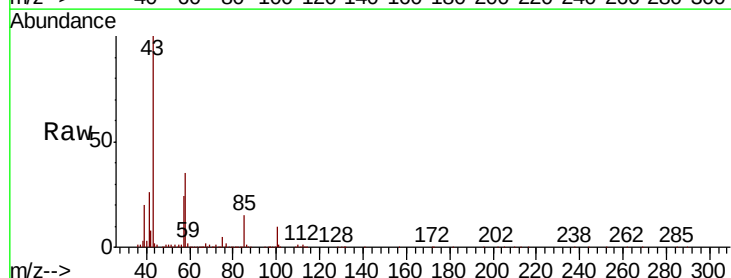
Acq: 2 Apr 2021 11:27

Tgt Ion: 43 Resp: 2336245

Ion Ratio Lower Upper

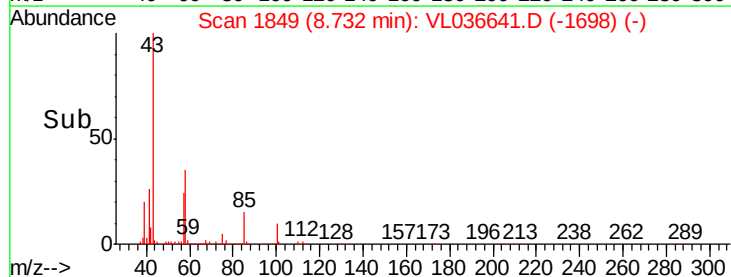
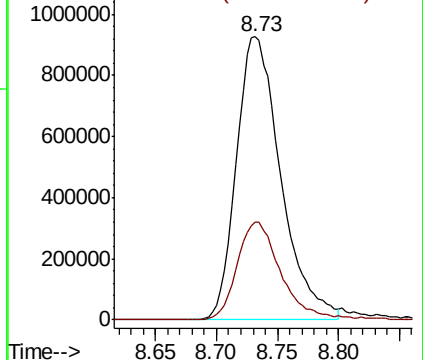
43 100

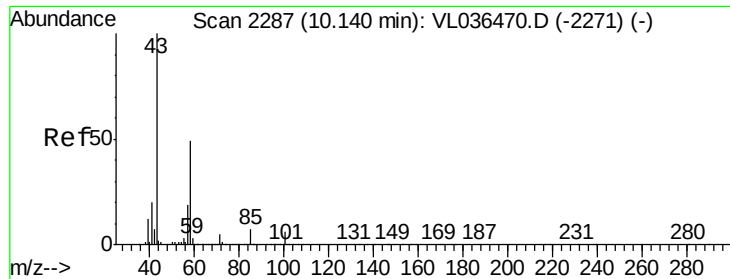
58 34.5 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

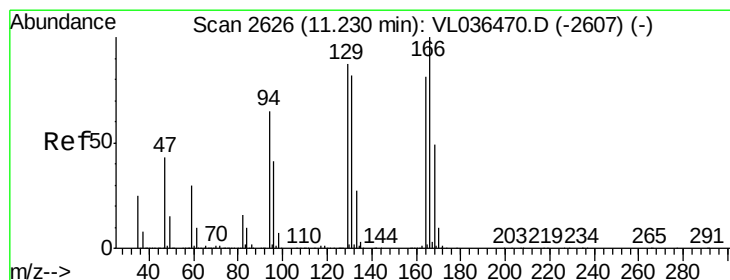
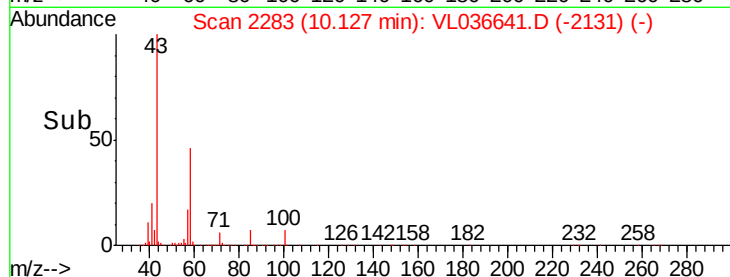
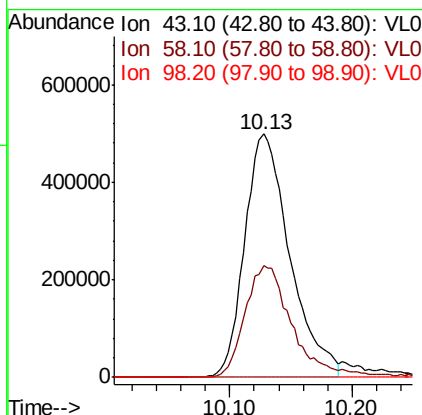
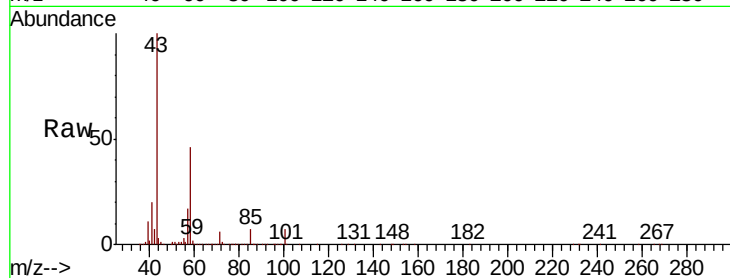




#51
2-Hexanone
Concen: 9.549 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

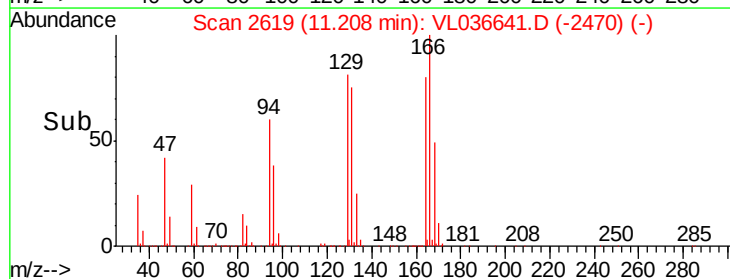
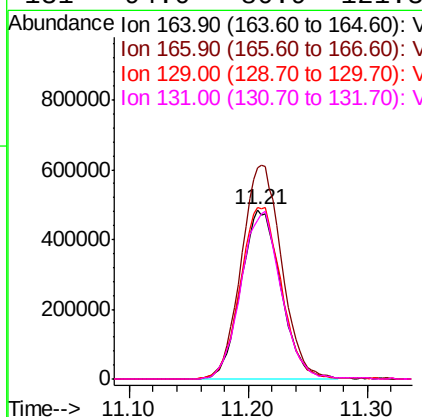
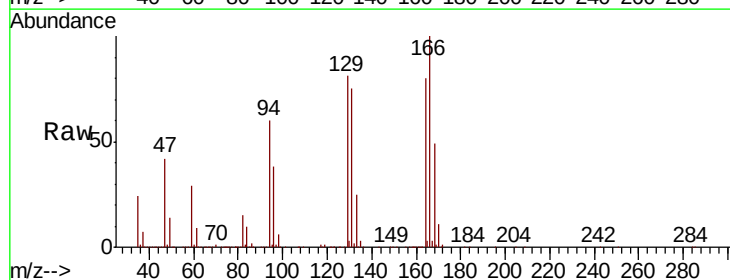
Instrument :
MSVOA_L
ClientSampleId :

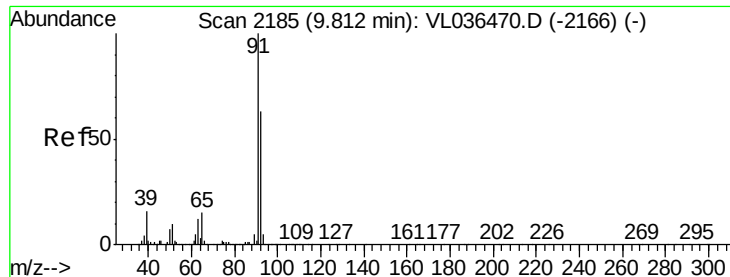
Tot Ion: 43 Resp: 1275010
Ion Ratio Lower Upper
43 100
58 49.2 37.7 56.5
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 8.831 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion:164 Resp: 1123391
Ion Ratio Lower Upper
164 100
166 124.8 98.3 147.5
129 101.4 85.8 128.8
131 94.0 80.9 121.3





#53

Toluene

Concen: 9.028 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

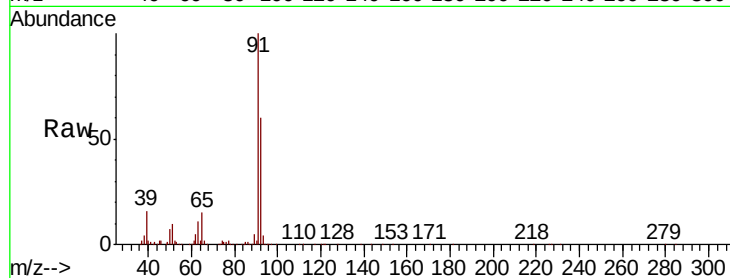
ClientSampleId :

Tot Ion: 91 Resp: 3321427

Ion Ratio Lower Upper

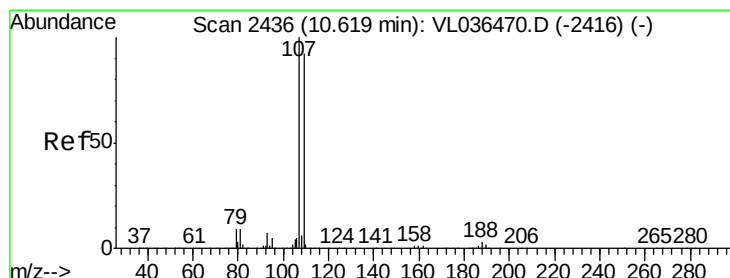
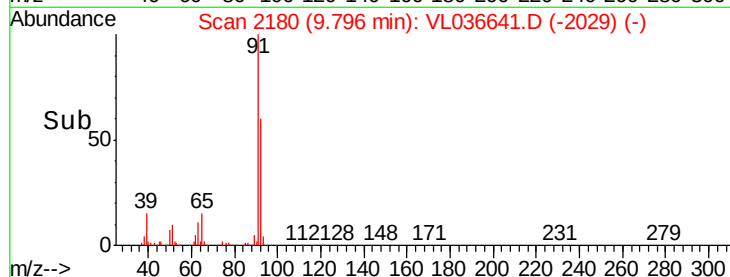
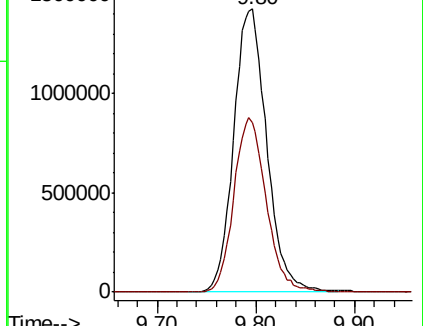
91 100

92 60.5 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 8.510 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.02 min

Lab File: VL036641.D

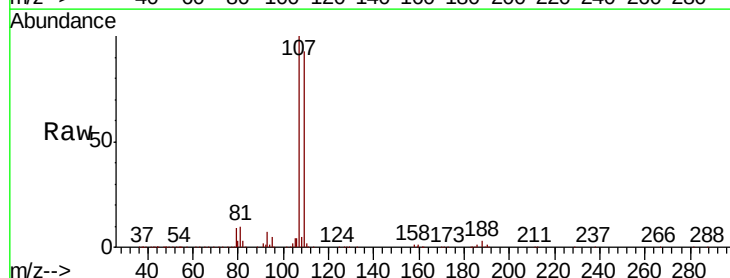
Acq: 2 Apr 2021 11:27

Tgt Ion: 107 Resp: 1705992

Ion Ratio Lower Upper

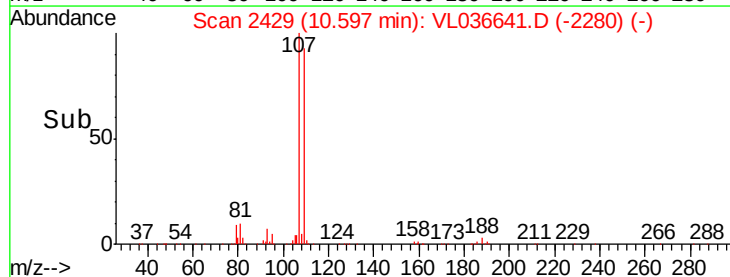
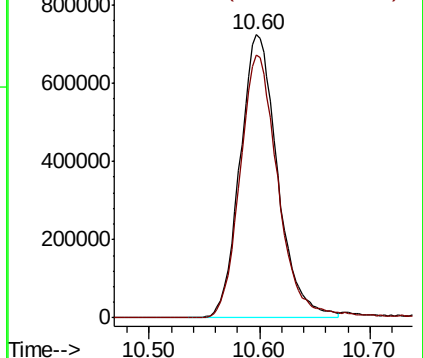
107 100

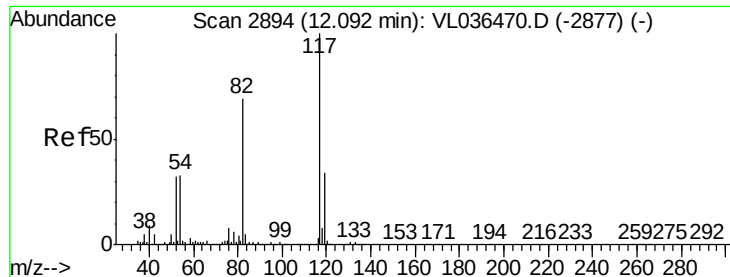
109 92.9 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

ClientSampleId :

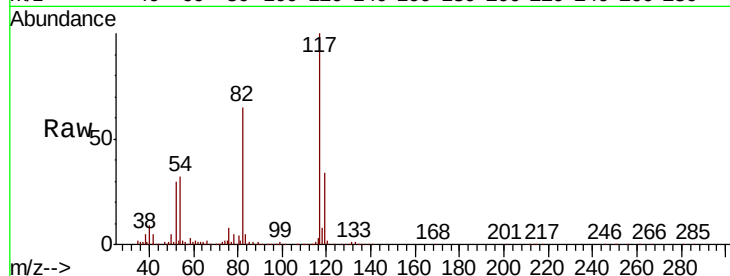
Tot Ion:117 Resp: 4243224

Ion Ratio Lower Upper

117 100

82 54.4 57.4 86.0#

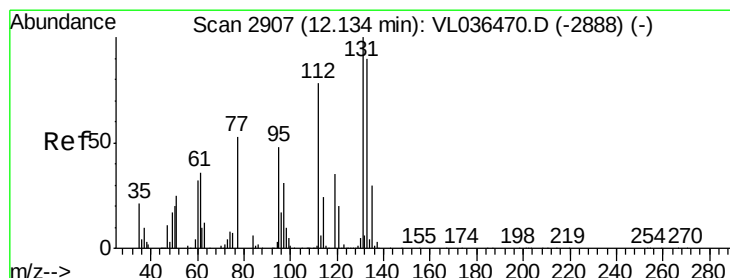
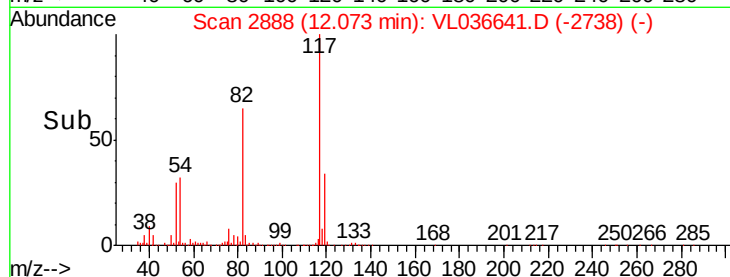
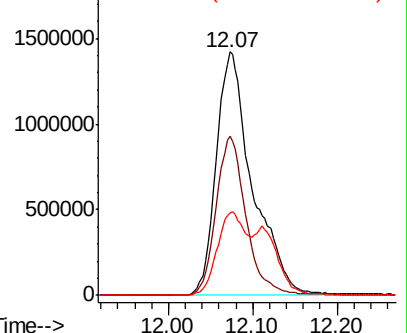
119 46.8 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.111 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

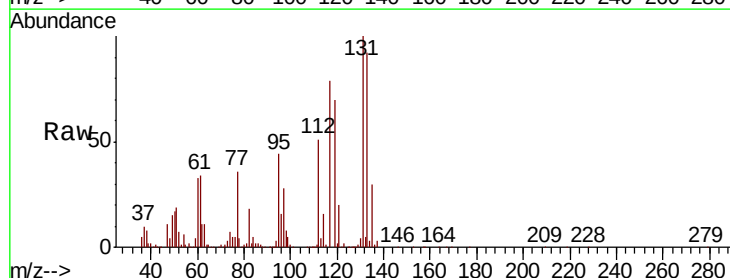
Tgt Ion:131 Resp: 1364783

Ion Ratio Lower Upper

131 100

133 97.0 75.8 113.6

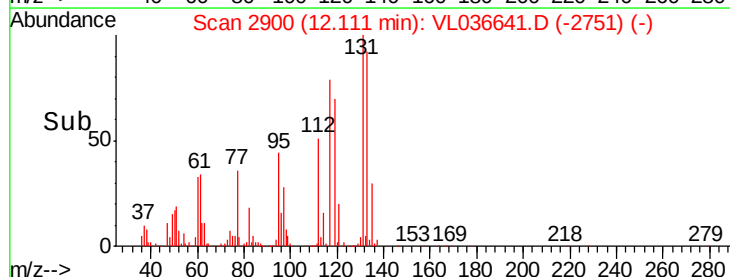
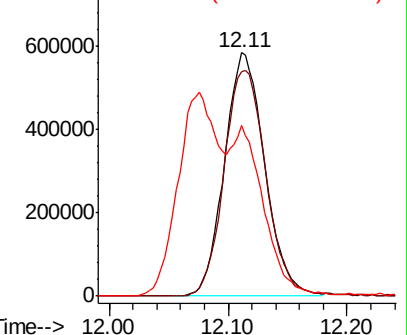
119 144.9 48.7 73.1#

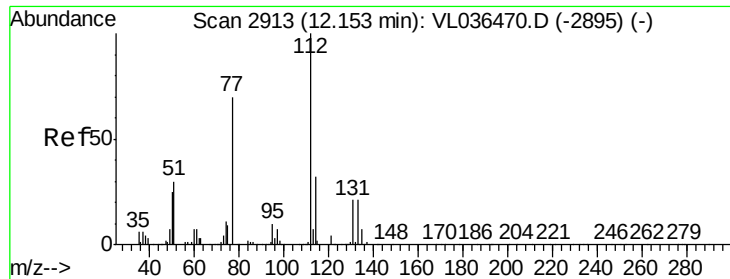


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.767 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

ClientSampleId :

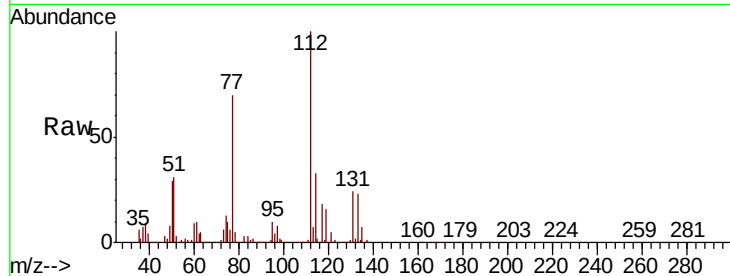
Tot Ion:112 Resp: 2443076

Ion Ratio Lower Upper

112 100

77 69.4 56.0 84.0

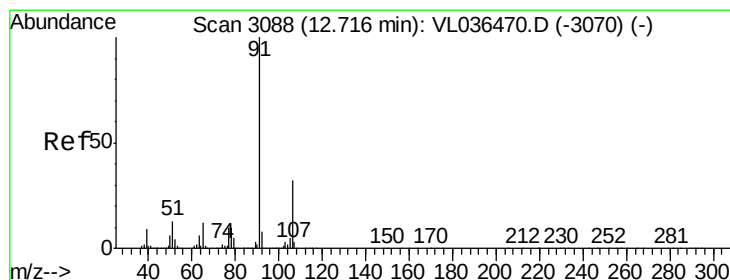
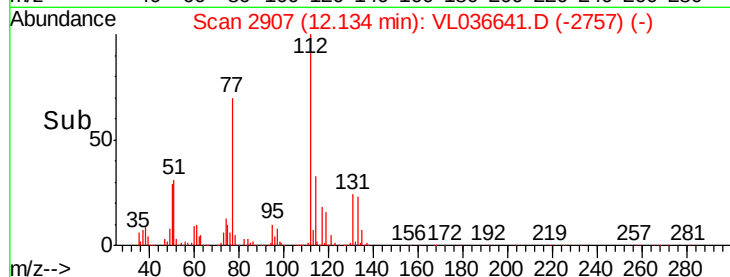
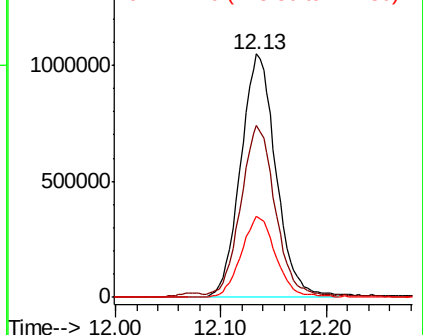
114 33.5 29.0 35.4



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: 7.135 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. -0.02 min

Lab File: VL036641.D

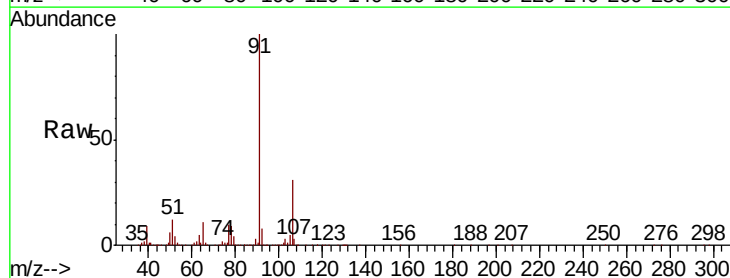
Acq: 2 Apr 2021 11:27

Tgt Ion: 91 Resp: 4404593

Ion Ratio Lower Upper

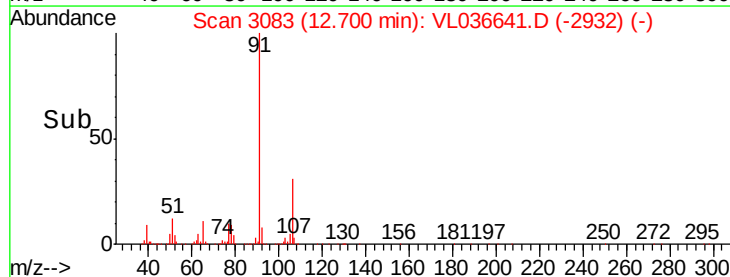
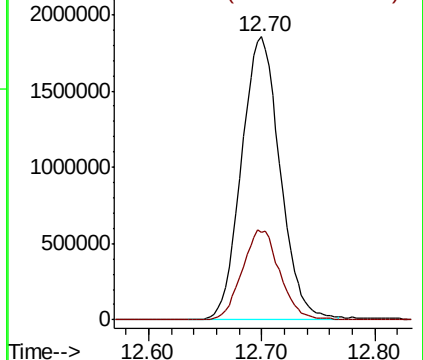
91 100

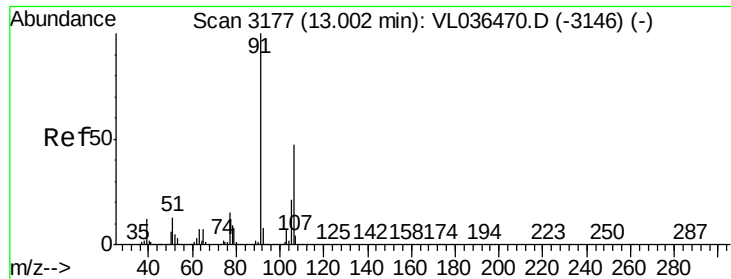
106 30.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

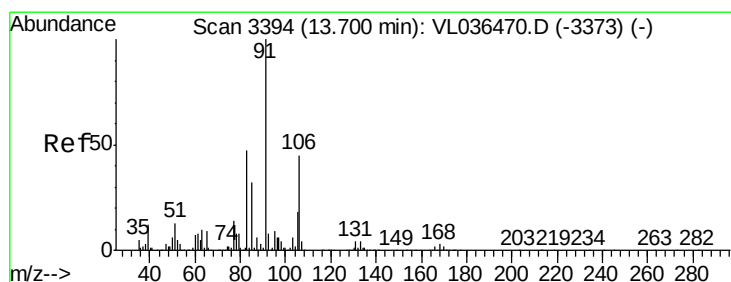
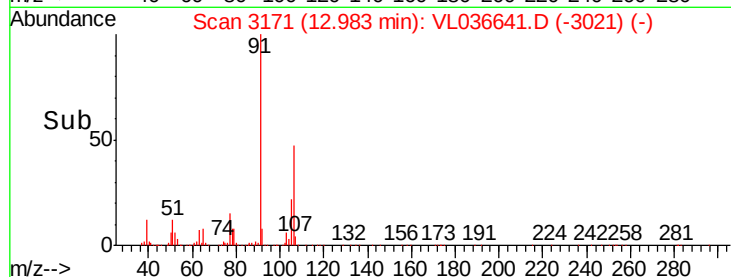
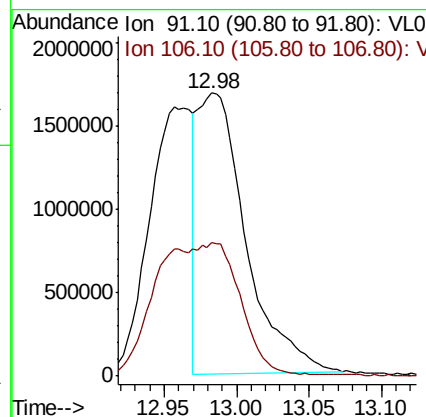
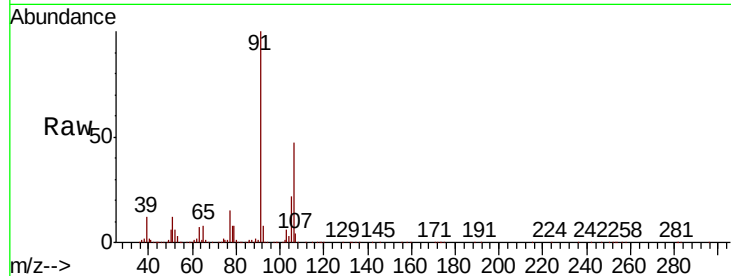




#59
m/p-Xylene
Concen: 7.191 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

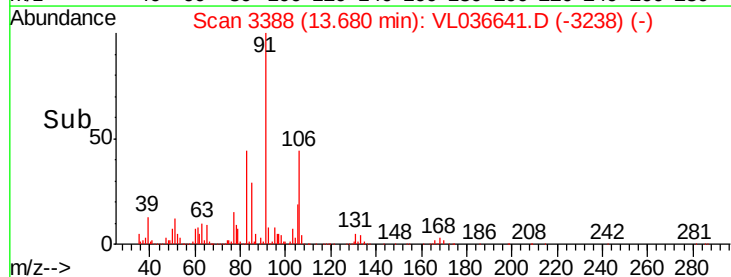
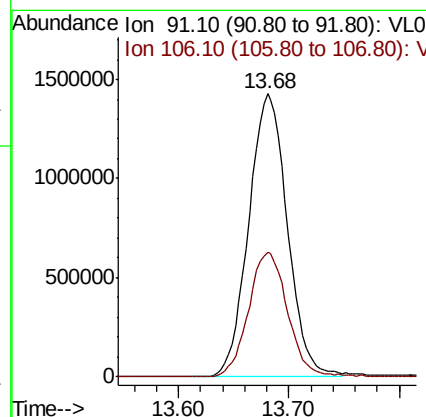
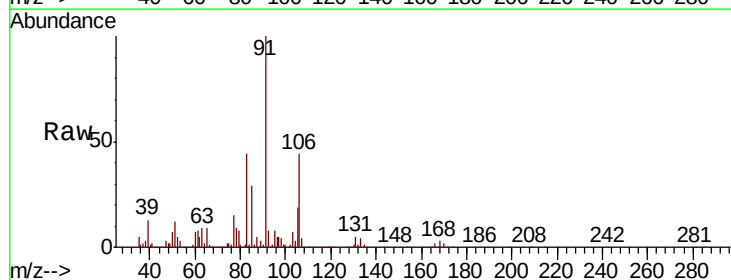
Instrument :
MSVOA_L
ClientSampleId :

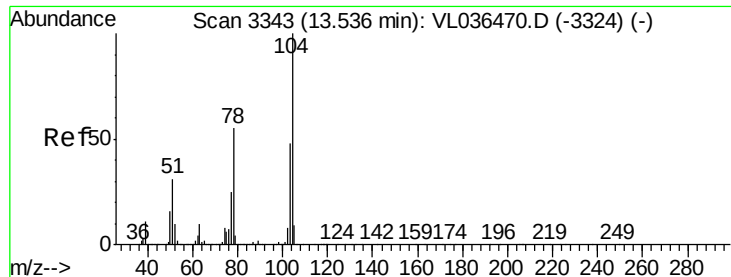
Tot Ion: 91 Resp: 3872043
Ion Ratio Lower Upper
91 100
106 84.6 35.3 52.9#



#60
o-Xylene
Concen: 6.648 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion: 91 Resp: 3461067
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9

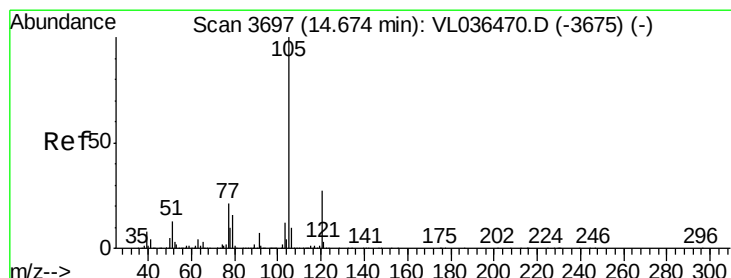
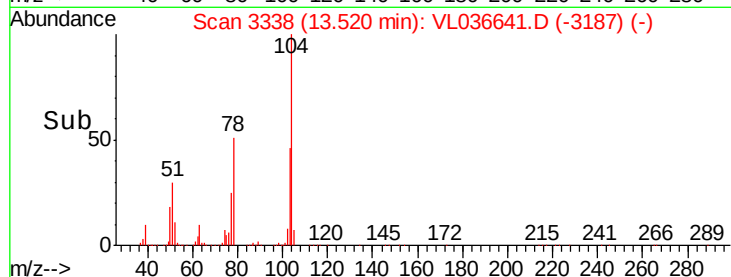
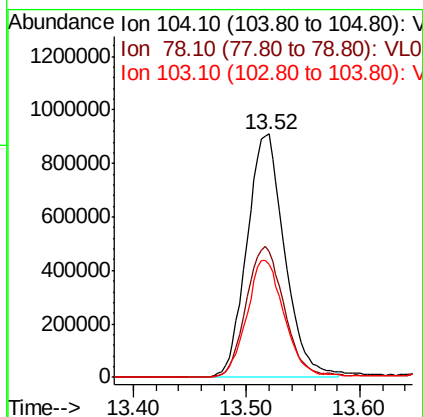
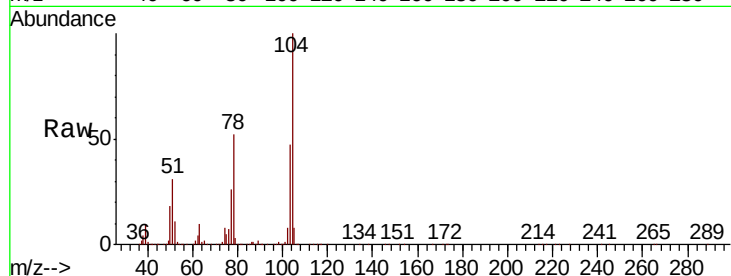




#61
Stvrene
Concen: 8.060 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

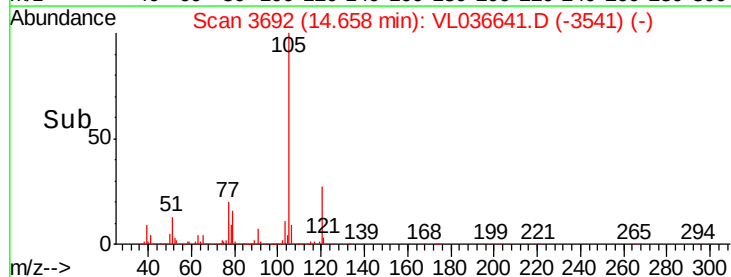
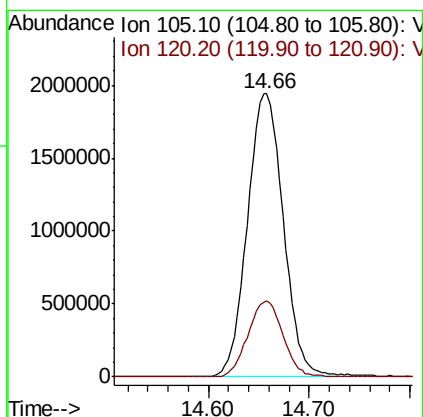
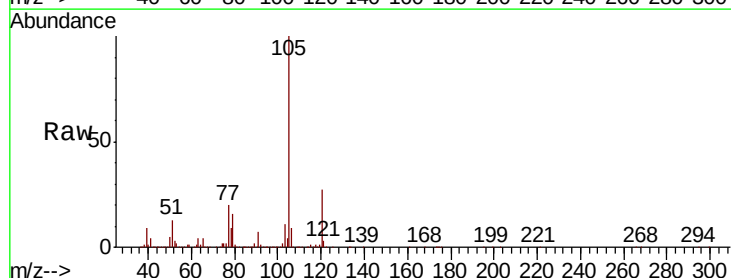
Instrument :
MSVOA_L
ClientSampleId :

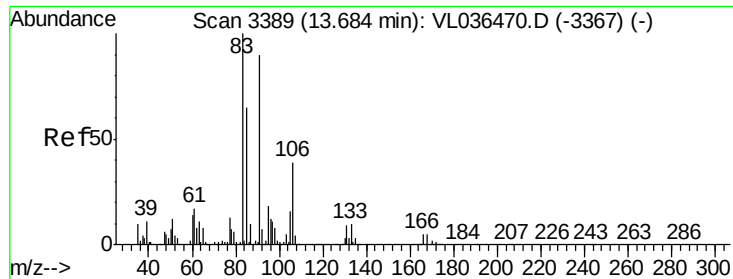
Tot Ion:104 Resp: 2111086
Ion Ratio Lower Upper
104 100
78 55.0 43.8 65.8
103 48.9 38.3 57.5



#62
Isopropylbenzene
Concen: 6.829 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion:105 Resp: 4787842
Ion Ratio Lower Upper
105 100
120 26.5 20.6 31.0

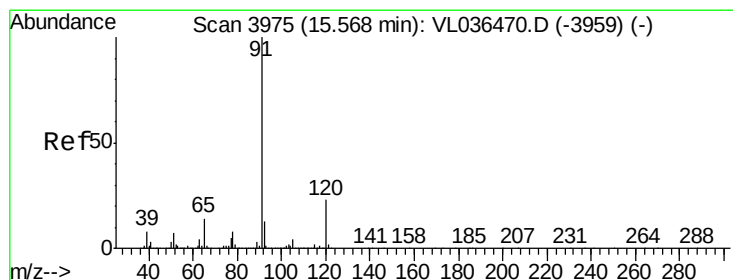
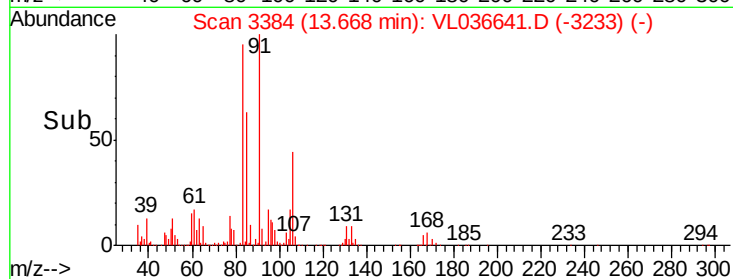
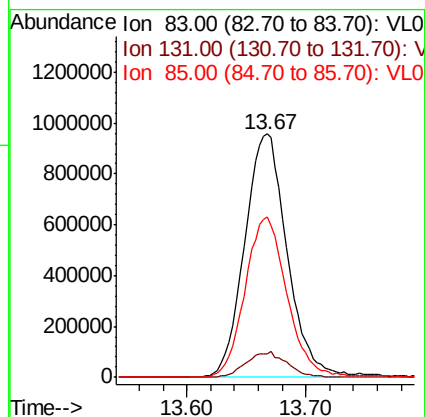
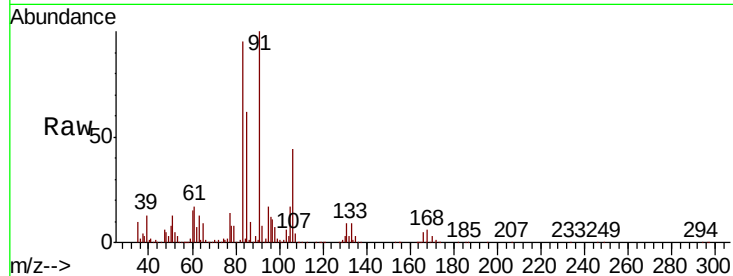




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.927 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

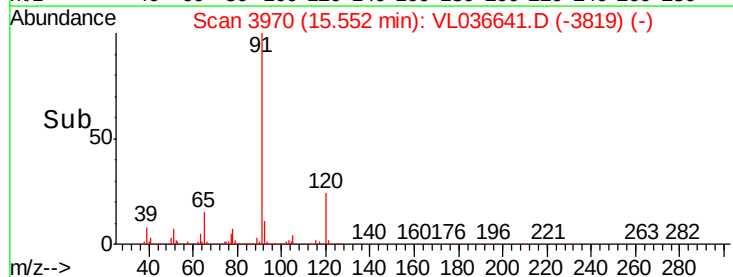
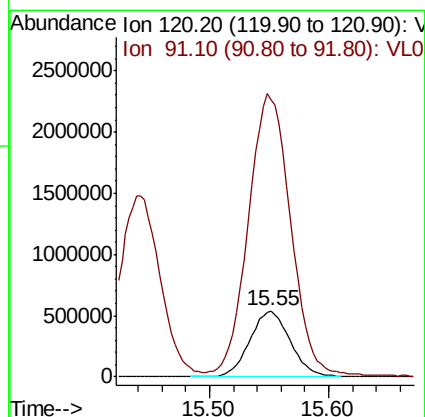
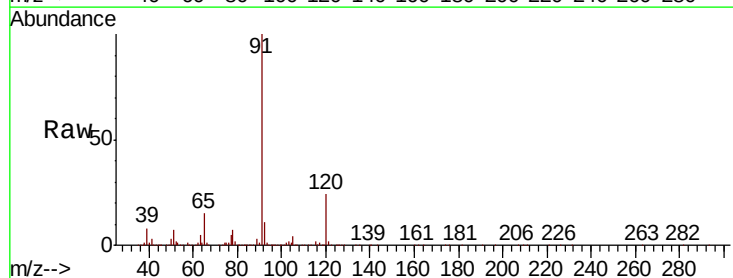
Instrument :
 MSVOA_L
 ClientSampleId :

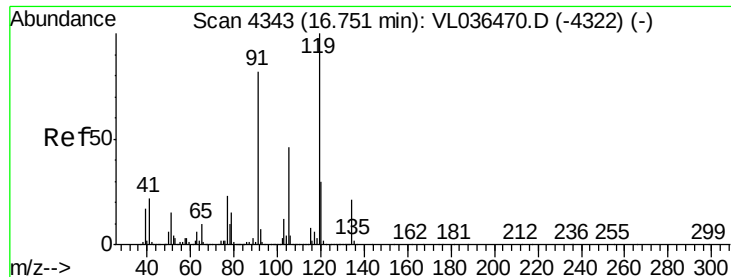
Tot Ion: 83 Resp: 2354083
 Ion Ratio Lower Upper
 83 100
 131 10.3 4.7 14.0
 85 66.1 33.1 99.3



#64
 n-propylbenzene
 Concen: 7.370 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 120 Resp: 1263321
 Ion Ratio Lower Upper
 120 100
 91 454.0 377.4 566.2





#65

tert-Butylbenzene

Concen: 7.017 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

ClientSampleId :

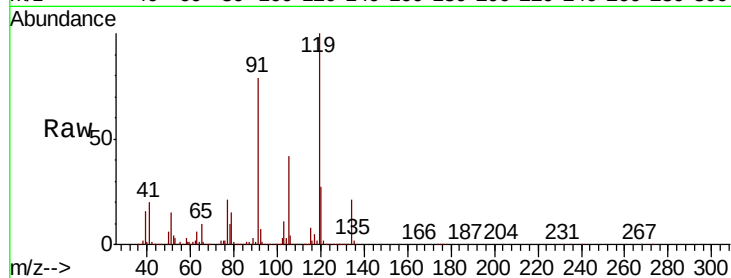
Tot Ion:119 Resp: 4265816

Ion Ratio Lower Upper

119 100

91 81.4 67.5 101.3

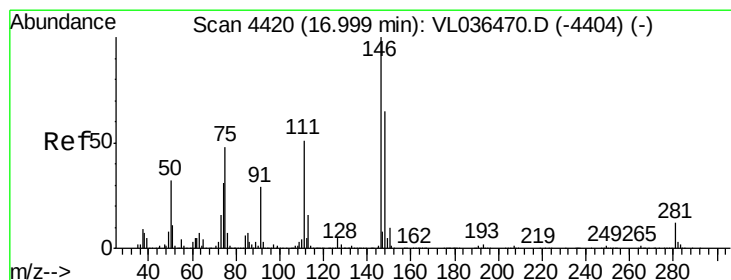
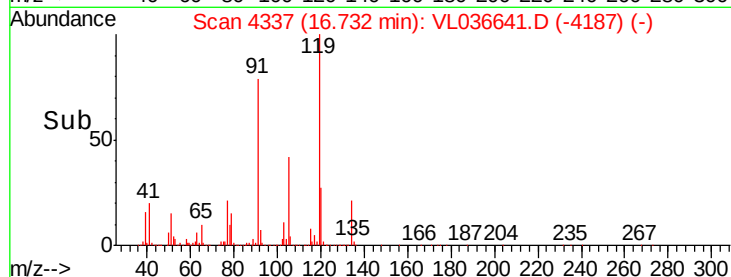
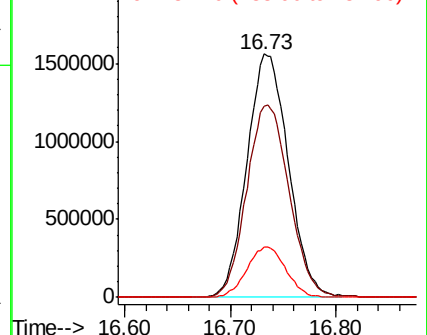
134 19.7 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.560 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

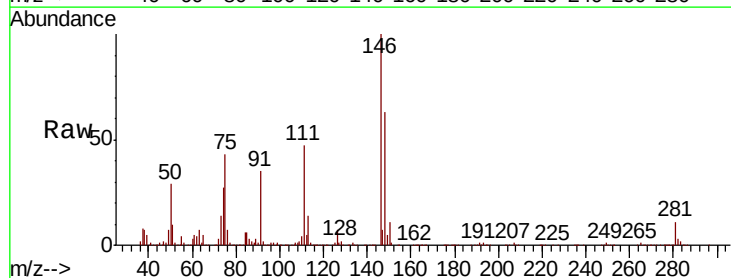
Tgt Ion: 91 Resp: 709610

Ion Ratio Lower Upper

91 100

126 19.5 13.5 20.3

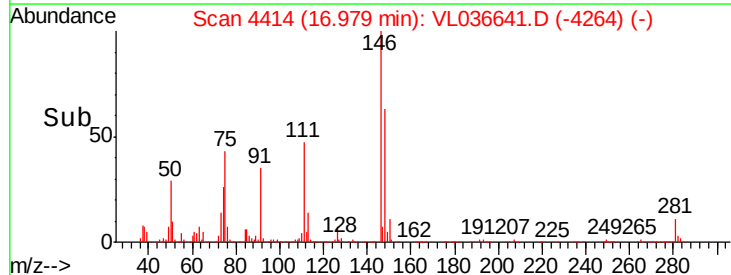
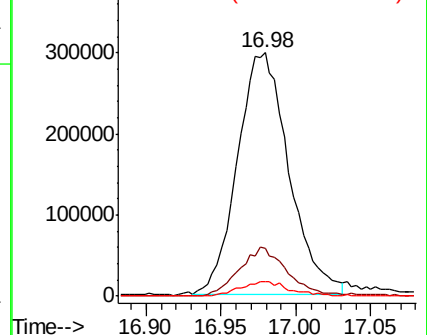
128 6.1 4.2 6.4

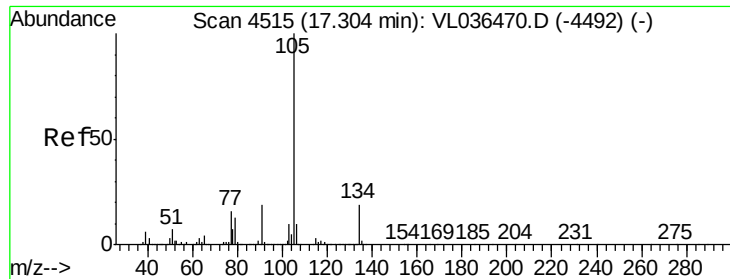


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.693 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

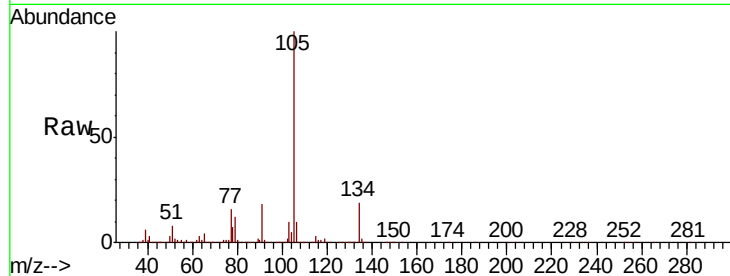
ClientSampled :

Tot Ion:105 Resp: 5743373

Ion Ratio Lower Upper

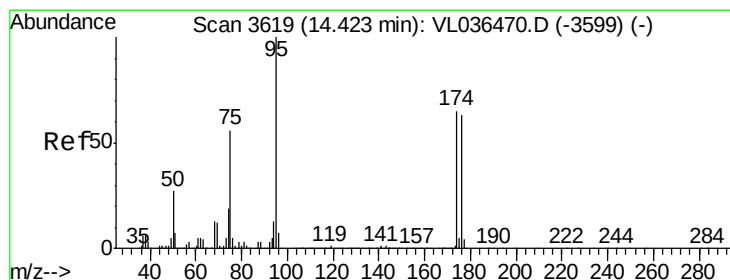
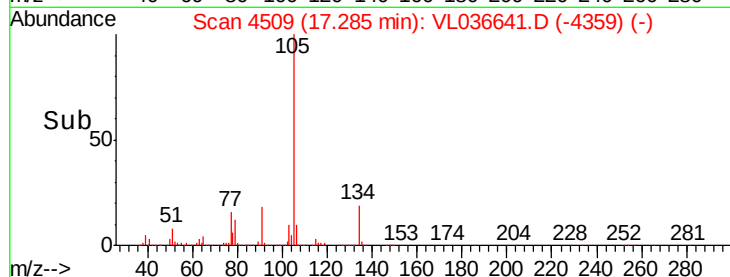
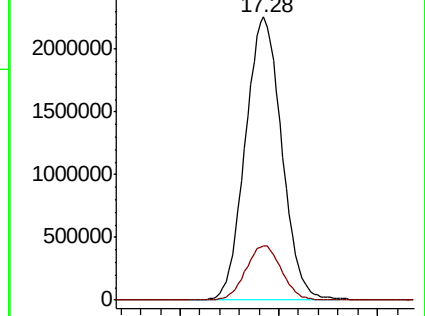
105 100

134 18.9 14.7 22.1



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: 8.187 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

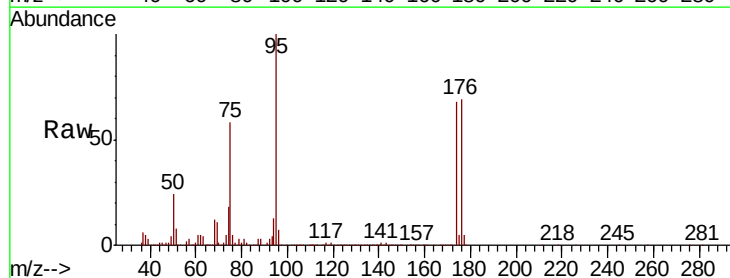
Tgt Ion: 95 Resp: 2768823

Ion Ratio Lower Upper

95 100

174 72.1 51.0 76.6

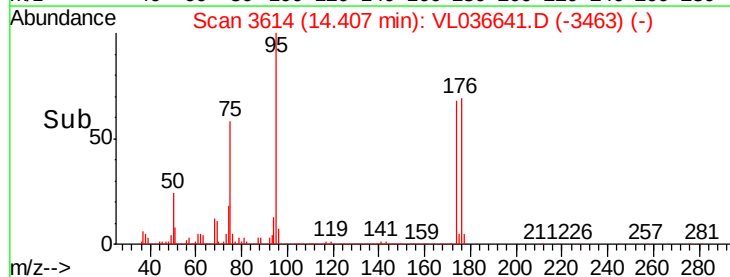
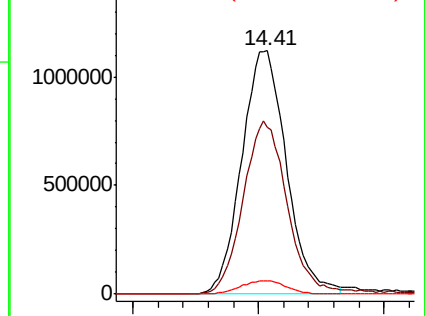
175 5.7 3.9 5.9

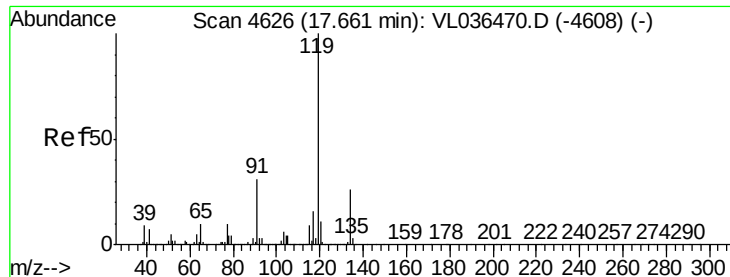


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

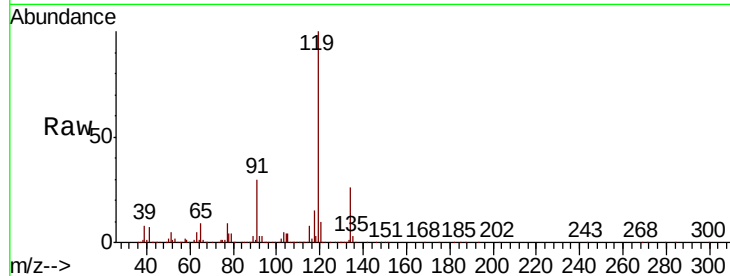




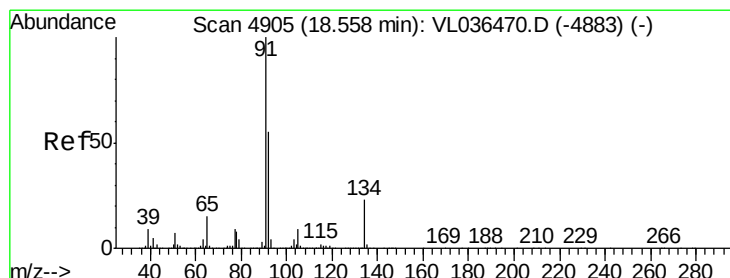
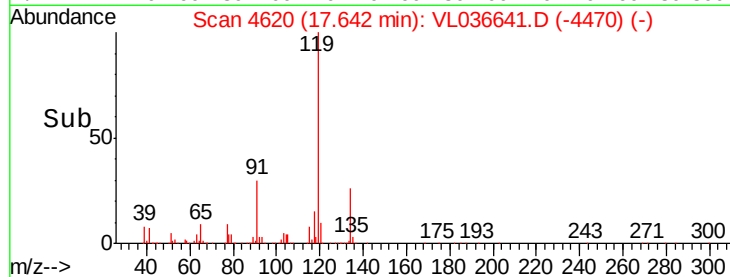
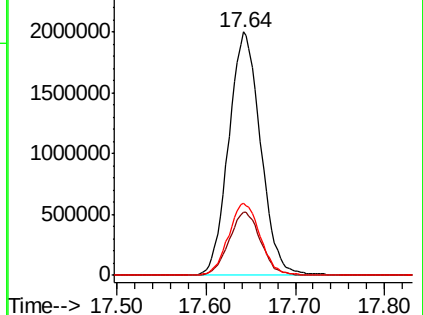
#69
 p-Isopropyltoluene
 Concen: 7.397 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 119 Resp: 4957340
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 29.4 25.0 37.6

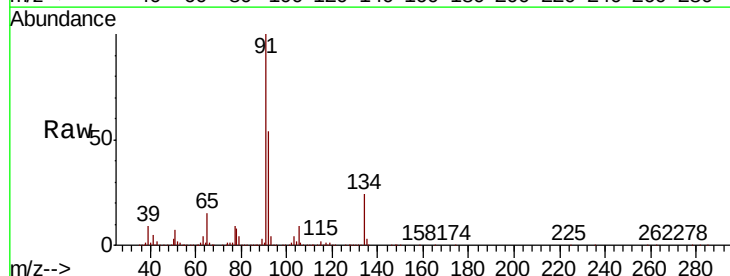


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

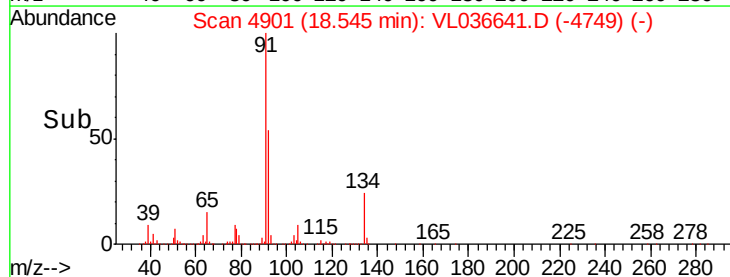
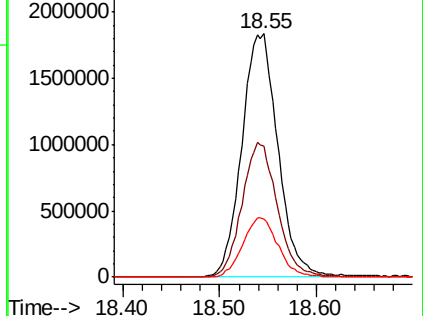


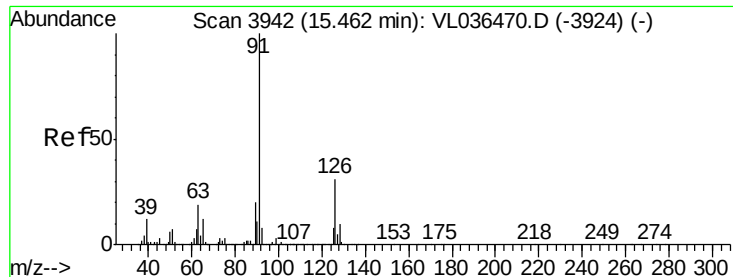
#70
 n-Butylbenzene
 Concen: 6.854 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. -0.01 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion: 91 Resp: 4762355
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.8 65.8
 134 24.1 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

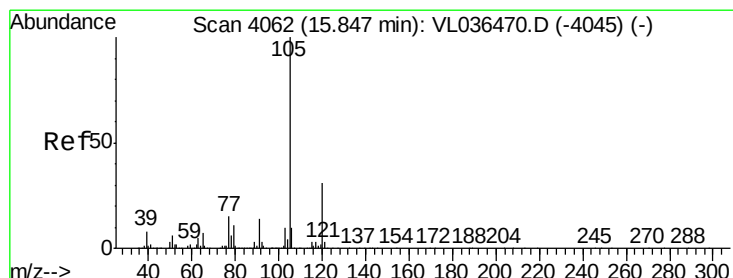
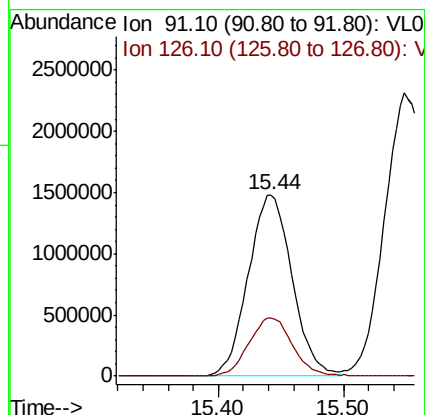
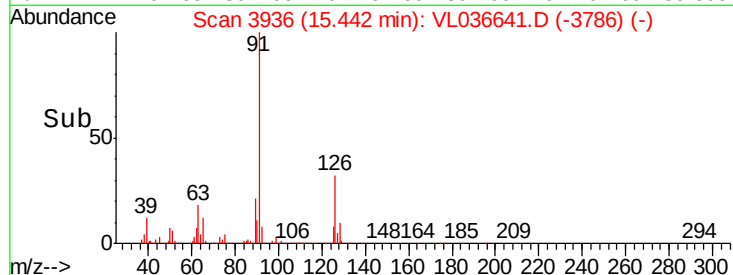
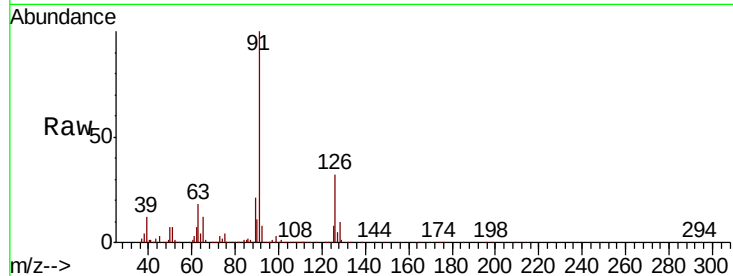




#71
 2-Chlorotoluene
 Concen: 6.854 ppbv
 RT: 15.44 min Scan# 3936
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

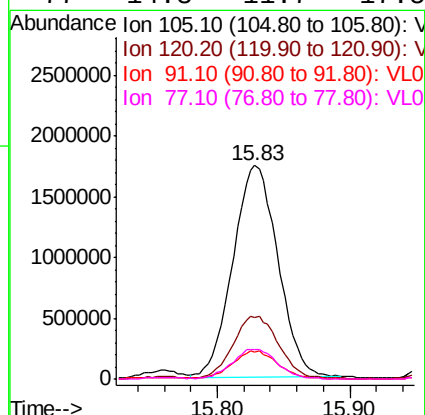
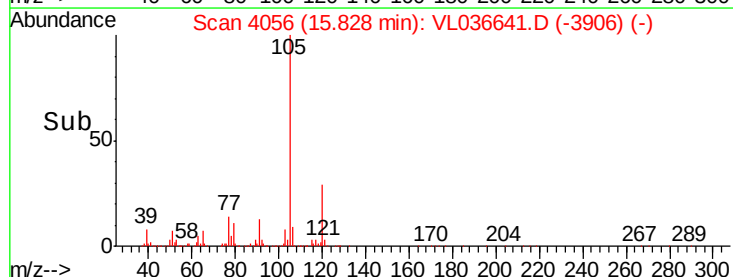
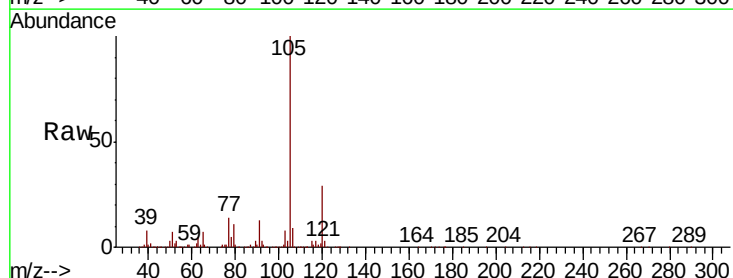
Instrument :
 MSVOA_L
 ClientSampleId :

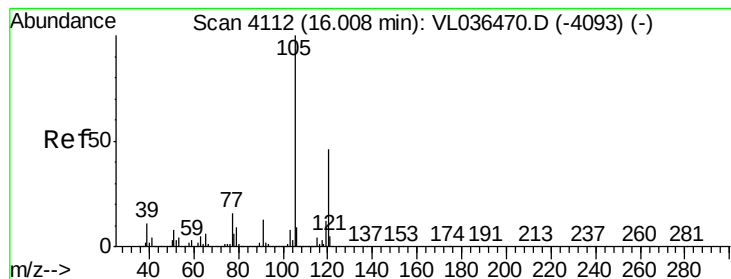
Tot Ion: 91 Resp: 3600994
 Ion Ratio Lower Upper
 91 100
 126 32.2 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 7.254 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion:105 Resp: 4138343
 Ion Ratio Lower Upper
 105 100
 120 29.6 24.0 36.0
 91 13.1 11.0 16.4
 77 14.3 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.055 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Instrument :

MSVOA_L

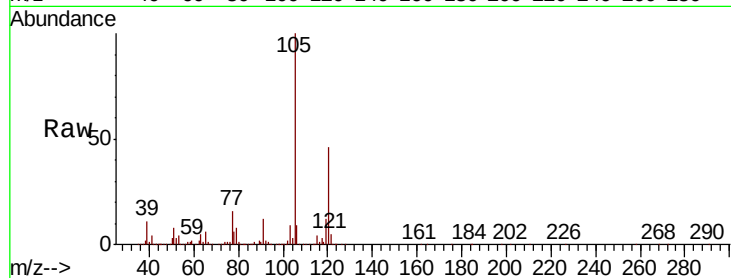
ClientSampleId :

Tot Ion:105 Resp: 3756600

Ion Ratio Lower Upper

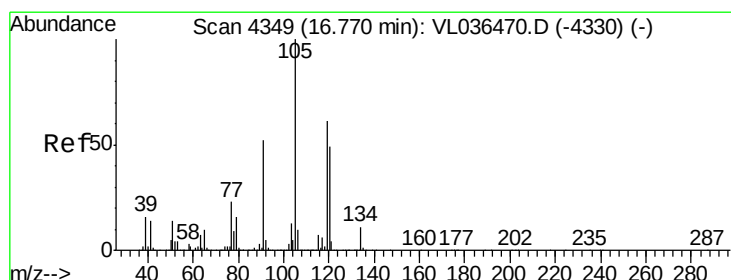
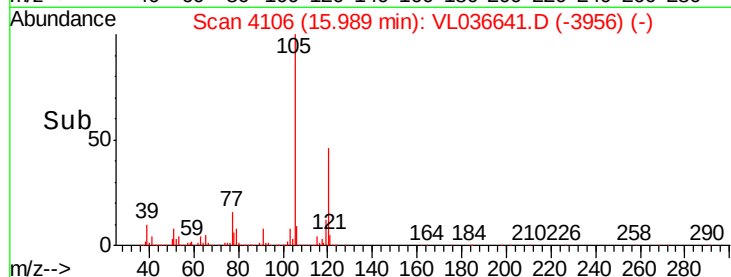
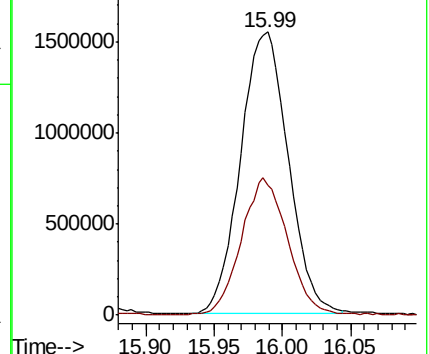
105 100

120 45.9 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.776 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.02 min

Lab File: VL036641.D

Acq: 2 Apr 2021 11:27

Tgt Ion:105 Resp: 3860975

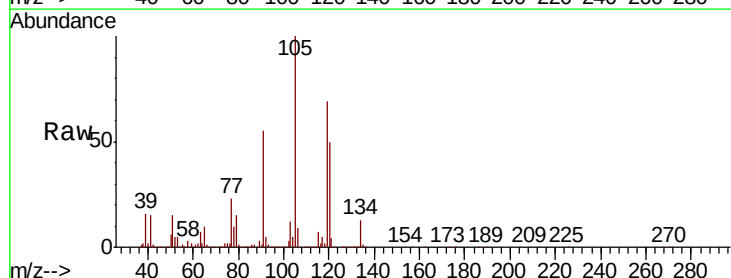
Ion Ratio Lower Upper

105 100

120 49.9 39.2 58.8

91 54.4 42.6 64.0

77 22.6 18.6 28.0

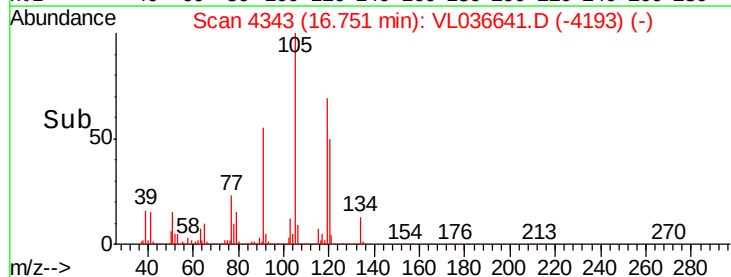
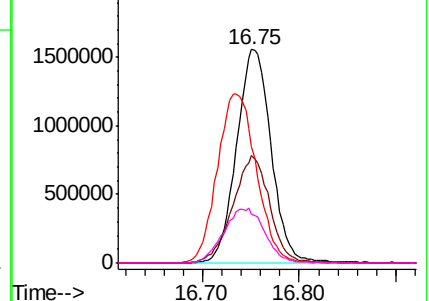


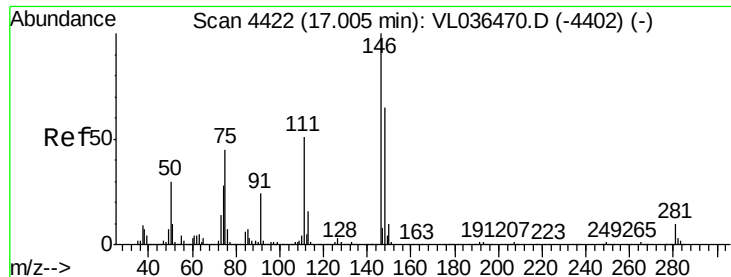
Abundance Ion 105.10 (104.80 to 105.80): V

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

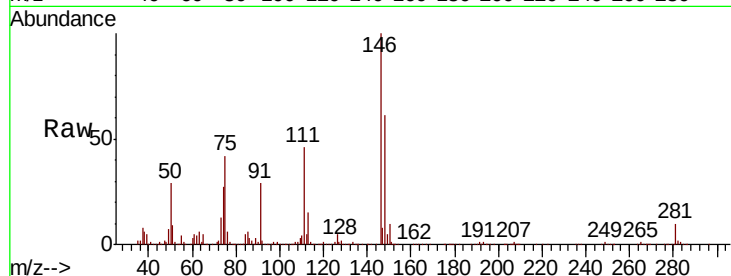




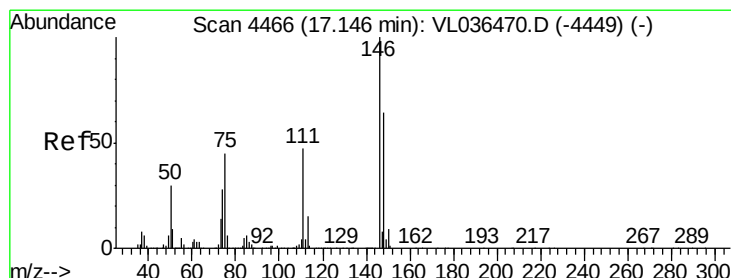
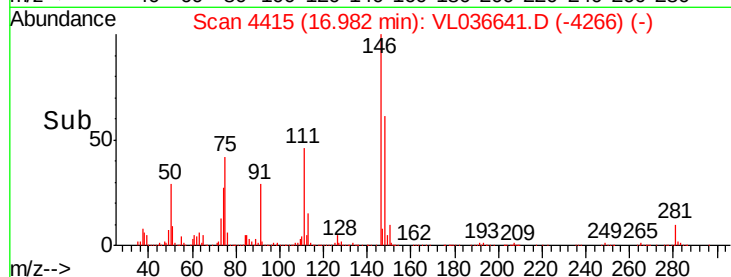
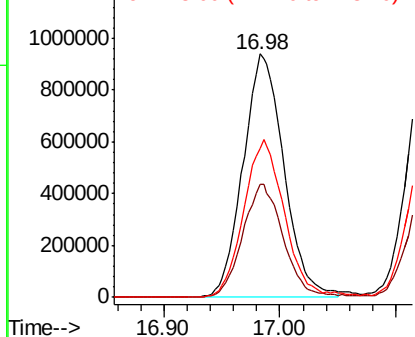
#75
 1,3-Dichlorobenzene
 Concen: 7.168 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 2299012
 Ion Ratio Lower Upper
 146 100
 111 46.3 24.5 73.5
 148 64.7 32.3 96.9

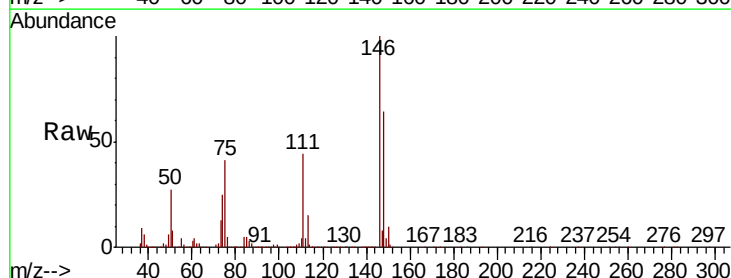


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

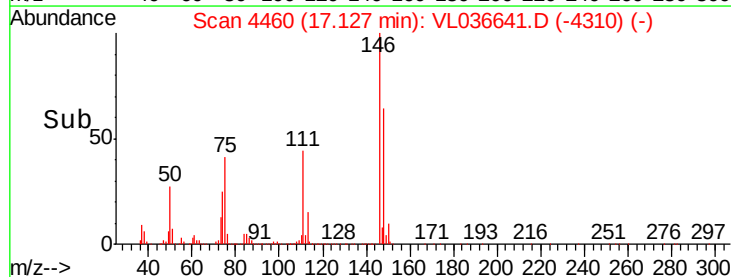
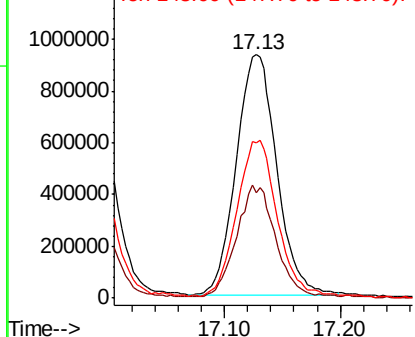


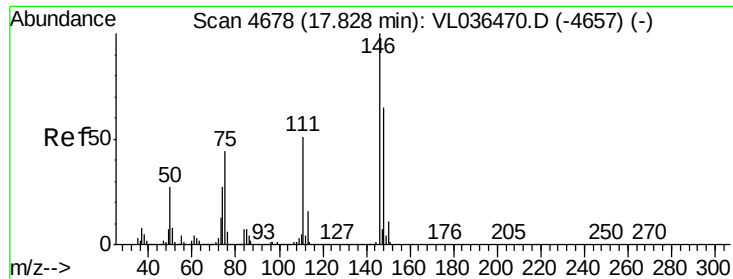
#76
 1,4-Dichlorobenzene
 Concen: 7.063 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion:146 Resp: 2249196
 Ion Ratio Lower Upper
 146 100
 111 46.4 24.3 72.8
 148 66.9 33.0 98.9



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

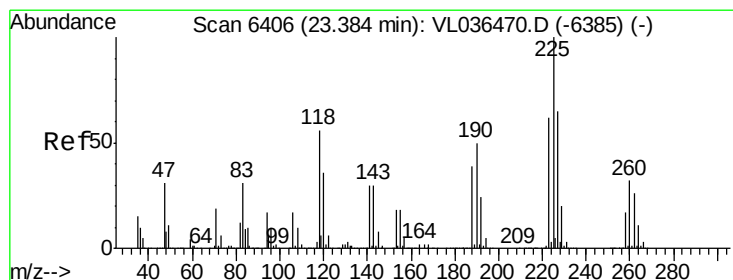
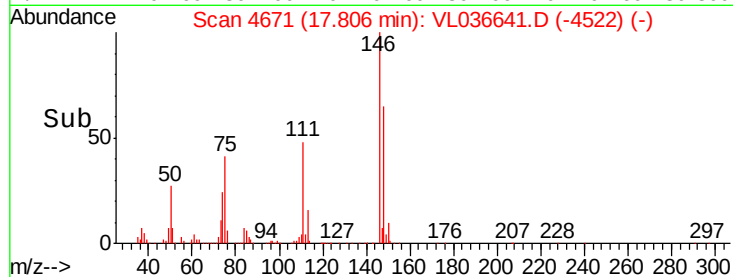
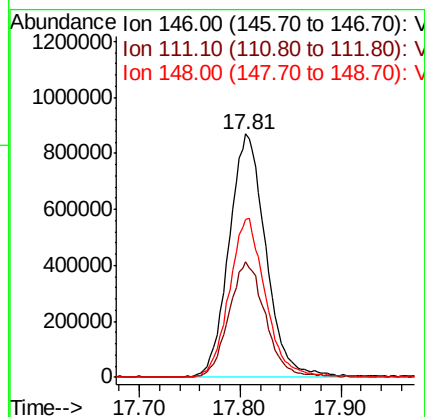
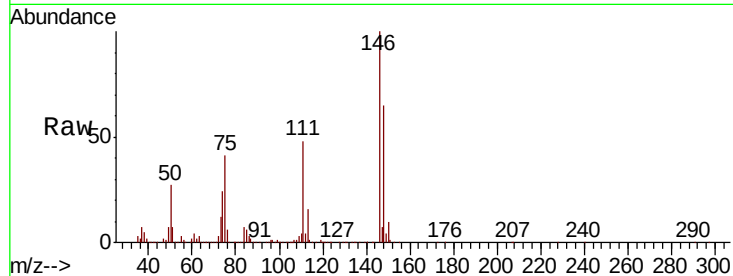




#77
 1,2-Dichlorobenzene
 Concen: 7.242 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

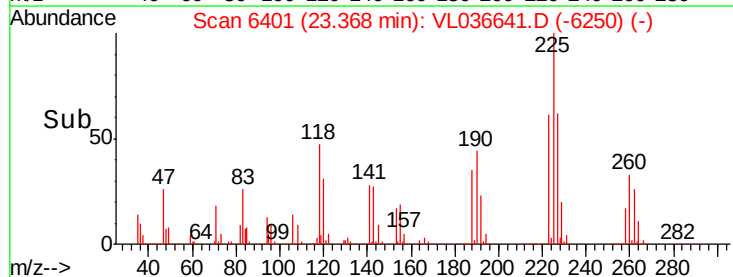
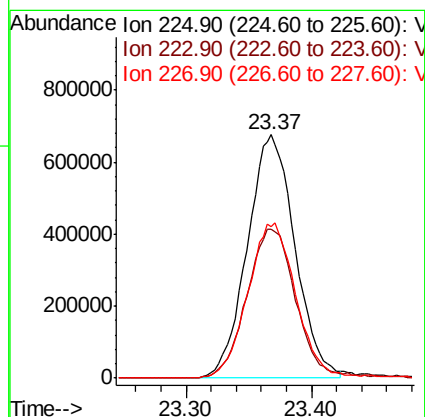
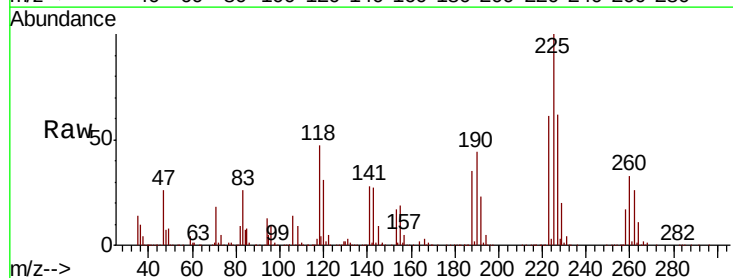
Instrument :
 MSVOA_L
 ClientSampleID :

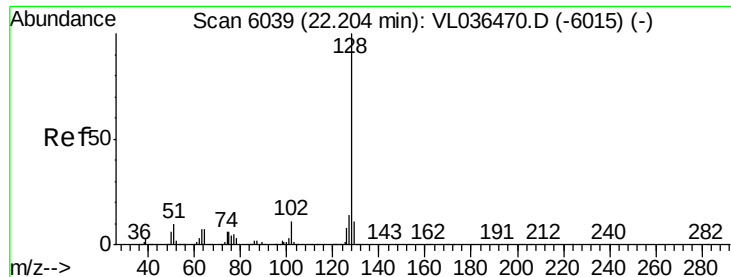
Tot Ion:146 Resp: 2183327
 Ion Ratio Lower Upper
 146 100
 111 47.7 25.5 76.5
 148 64.6 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.583 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Tgt Ion:225 Resp: 1777529
 Ion Ratio Lower Upper
 225 100
 223 64.1 50.6 75.8
 227 65.5 52.2 78.2

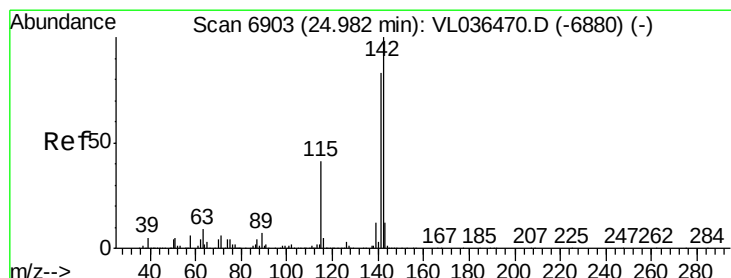
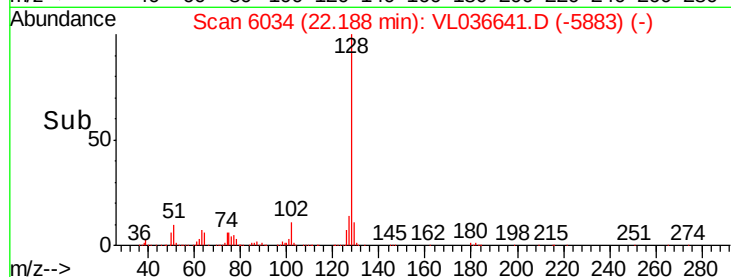
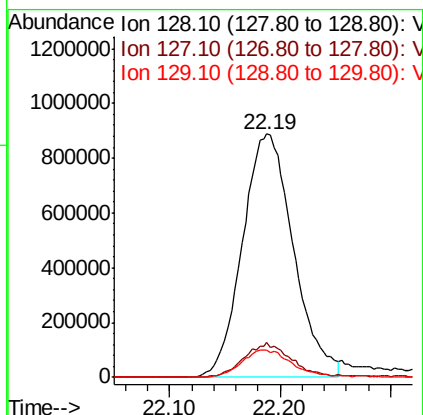
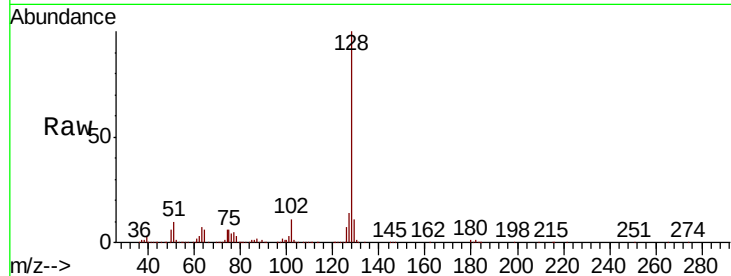




#79
Naphthalene
Concen: 8.535 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. -0.02 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

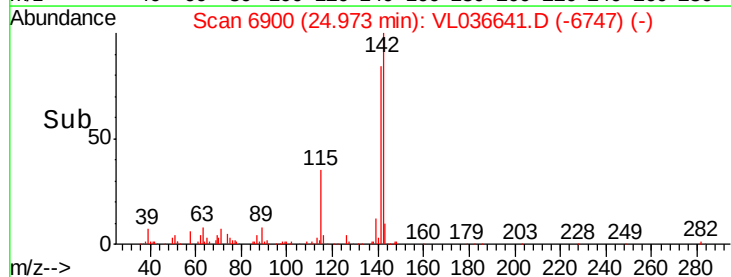
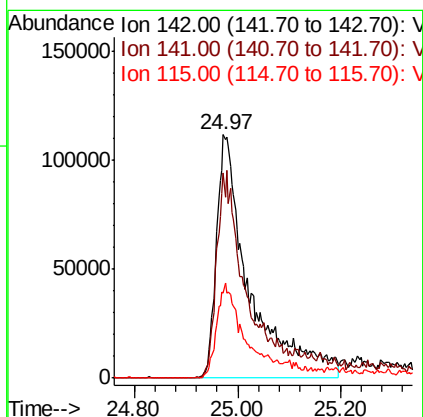
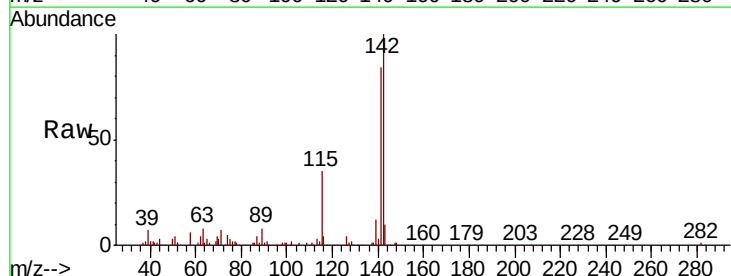
Instrument :
MSVOA_L
ClientSampled :

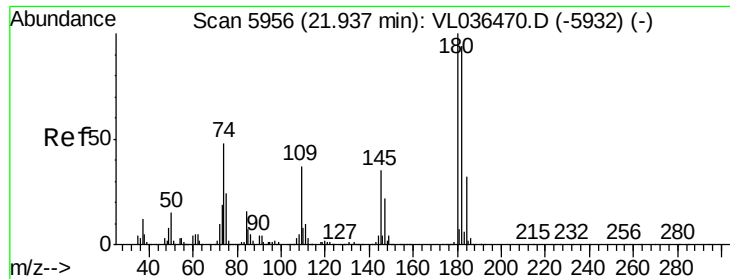
Tot Ion:128 Resp: 2837699
Ion Ratio Lower Upper
128 100
127 14.2 10.9 16.3
129 11.2 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 7.642 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. -0.01 min
Lab File: VL036641.D
Acq: 2 Apr 2021 11:27

Tgt Ion:142 Resp: 501082
Ion Ratio Lower Upper
142 100
141 73.5 67.8 101.8
115 36.9 34.0 51.0

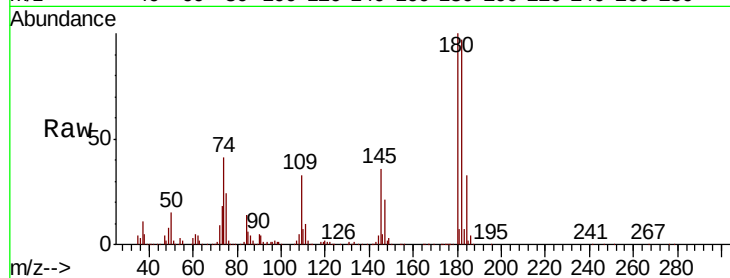




#81
 1,2,4-Trichlorobenzene
 Concen: 8.213 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.02 min
 Lab File: VL036641.D
 Acq: 2 Apr 2021 11:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1685976
 Ion Ratio Lower Upper
 180 100
 182 102.2 80.8 121.2
 184 31.4 25.0 37.4



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

