

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036593.D
 Acq On : 31 Mar 2021 7:45
 Operator : SY/AP
 Sample : VL0331ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 08:33:52 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	1324313	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3150411	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3761451	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2519805	8.41	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2158311	9.992	ppbv	97
3) Chlorodifluoromethane	2.98	51	2641992	10.678	ppbv	100
4) Chloromethane	3.13	50	918425	10.509	ppbv	98
5) Vinyl Chloride	3.25	62	898401	9.997	ppbv	98
6) Bromomethane	3.47	94	499449	10.095	ppbv	99
7) Chloroethane	3.55	64	303523	9.829	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2156539	10.461	ppbv	98
9) Propene	3.00	41	793901	10.065	ppbv	99
10) Heptane	8.11	43	2147892	10.689	ppbv	99
11) Trichlorofluoromethane	3.94	101	2237830	10.166	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1486687	10.563	ppbv	97
13) Ethanol	3.60	45	24868	2.647	ppbv #	1
14) Bromoethene	3.73	108	628005	10.733	ppbv	98
15) Acetone	3.84	43	1367478	10.491	ppbv	99
16) 1,3-Butadiene	3.32	39	952353	10.495	ppbv	98
17) tert-Butyl alcohol	4.29	59	1036162	9.132	ppbv	100
18) 1,1-Dichloroethene	4.28	96	639056	10.208	ppbv	94
19) Isopropyl Alcohol	3.96	45	558781	7.793	ppbv	98
20) Methylene Chloride	4.34	84	578747	9.483	ppbv	97
21) Allyl Chloride	4.40	41	1028338	9.897	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	606014	10.442	ppbv	90
23) Vinyl Acetate	5.07	43	2289341	10.268	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1666864	10.257	ppbv	99
25) Ethyl Acetate	5.67	43	3113408	10.047	ppbv	99
26) Hexane	5.68	57	1518073	10.556	ppbv	97
27) Carbon Disulfide	4.54	76	1625881	11.477	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1652551	9.744	ppbv	99
29) Chloroform	5.74	83	2354844	10.239	ppbv	99
30) Cyclohexane	7.12	84	1246085	10.684	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1467153	10.548	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2373152	10.239	ppbv	99
34) 2-Butanone	5.24	43	1491935	9.702	ppbv	99
35) Carbon Tetrachloride	7.01	117	2497153	10.320	ppbv	97
36) Benzene	6.88	78	3068497	10.561	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1808334	10.574	ppbv	100
38) Trichloroethene	7.83	130	1108096	9.800	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1236236	10.489	ppbv	97
40) 1,4-Dioxane	7.83	88	206222	7.518	ppbv #	1
41) Tetrahydrofuran	6.04	42	614254	8.663	ppbv	96
42) Bromodichloromethane	7.78	83	2526152	10.860	ppbv	98
43) Methyl Methacrylate	8.01	69	1162198	11.912	ppbv	98

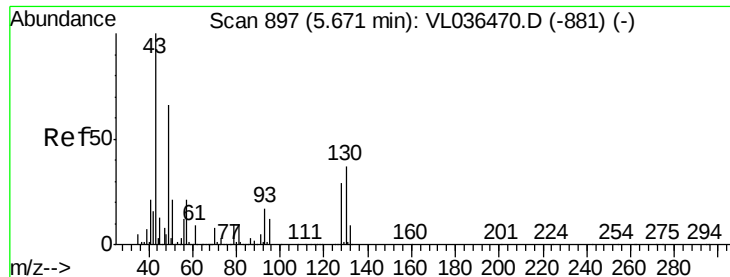
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036593.D
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 Operator : SY/AP
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5268697	10.303	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1043403	9.366	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1352073	9.494	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1235010	10.345	ppbv	96
48) Dibromochloromethane	10.30	129	2025990	11.133	ppbv	100
49) Bromoform	13.04	173	1686356	11.501	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2265410	10.181	ppbv	99
51) 2-Hexanone	10.13	43	1197948	10.668	ppbv #	98
52) Tetrachloroethene	11.22	164	1047964	9.795	ppbv	98
53) Toluene	9.80	91	3415323	11.038	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1761853	10.450	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1433180	8.424	ppbv	94
57) Chlorobenzene	12.14	112	2520965	7.877	ppbv	99
58) Ethyl Benzene	12.70	91	4633247	8.467	ppbv	98
59) m/p-Xylene	12.99	91	4529535	9.490	ppbv #	51
60) o-Xylene	13.69	91	3724047	8.069	ppbv	100
61) Styrene	13.52	104	1165348	5.019	ppbv #	46
62) Isopropylbenzene	14.66	105	5119331	8.237	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2697516	7.662	ppbv	100
64) n-propylbenzene	15.56	120	1333730	8.777	ppbv	97
65) tert-Butylbenzene	16.74	119	4434344	8.228	ppbv	99
66) Benzyl Chloride	16.98	91	273267	4.587	ppbv #	73
67) sec-Butylbenzene	17.29	105	6271883	8.245	ppbv	100
69) p-Isopropyltoluene	17.65	119	5162385	8.690	ppbv	100
70) n-Butylbenzene	18.55	91	5362249	8.706	ppbv	100
71) 2-Chlorotoluene	15.45	91	4004748	8.599	ppbv	100
72) 4-Ethyltoluene	15.83	105	4302958	8.509	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3958438	8.387	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4112348	8.141	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2373592	8.349	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2248563	7.966	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2249321	8.417	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1722832	7.198	ppbv	98
79) Naphthalene	22.19	128	2578501	8.748	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	345929	5.952	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1580938	8.687	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: VL036593.D

Acq: 31 Mar 2021 7:45

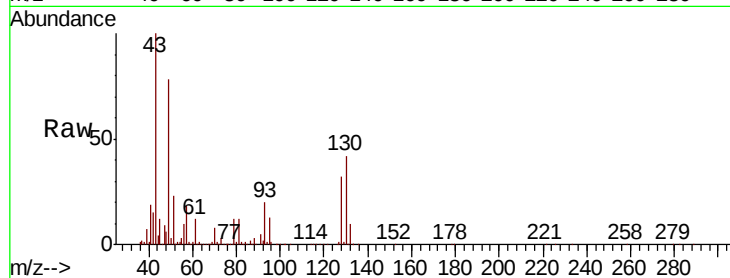
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1324313

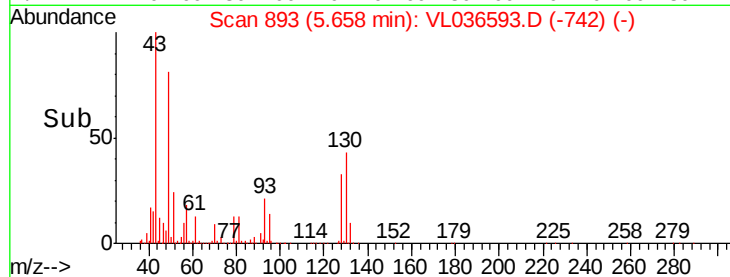
Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.5	70.6
130	57.2	29.1	87.4



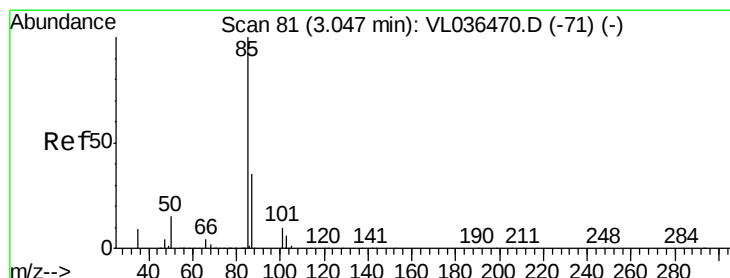
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 9.992 ppbv

RT: 3.04 min Scan# 79

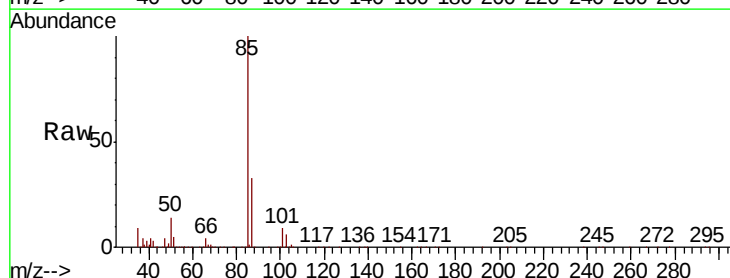
Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

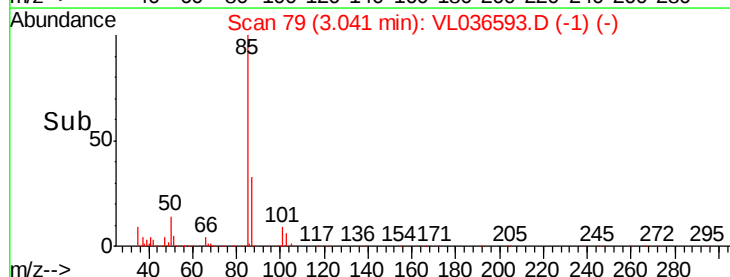
Tgt Ion: 85 Resp: 2158311

Ion	Ratio	Lower	Upper
85	100		
87	32.9	27.8	41.8

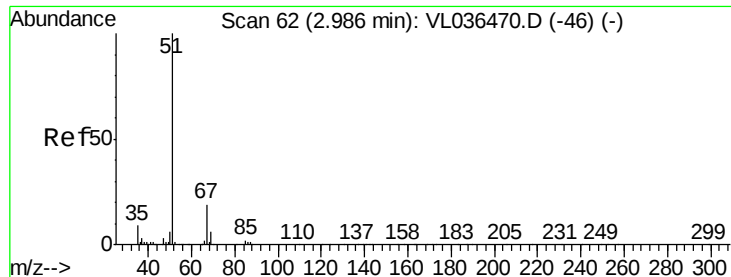


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



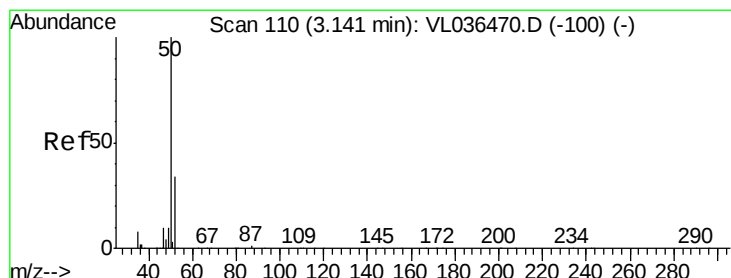
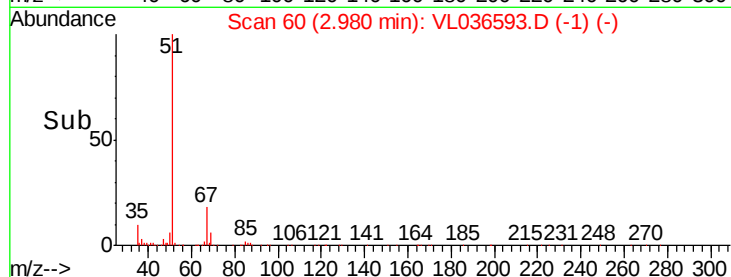
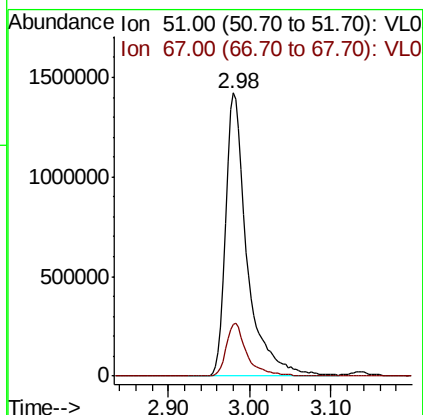
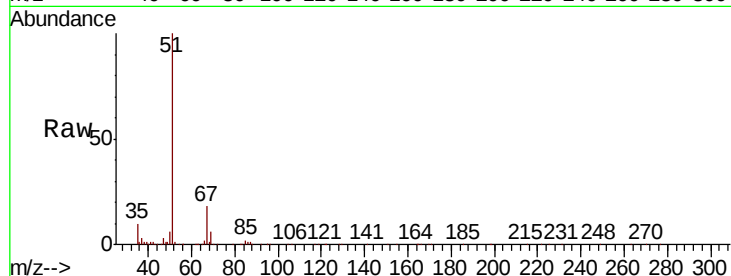
Time-->



#3
Chlorodifluoromethane
Concen: 10.678 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

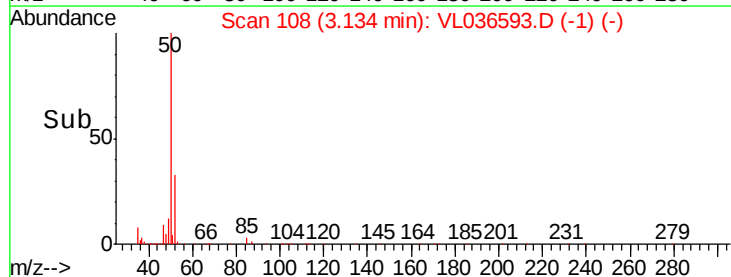
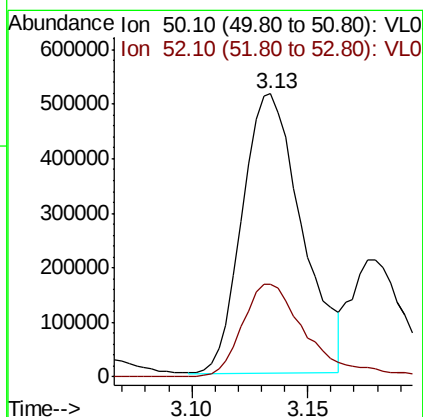
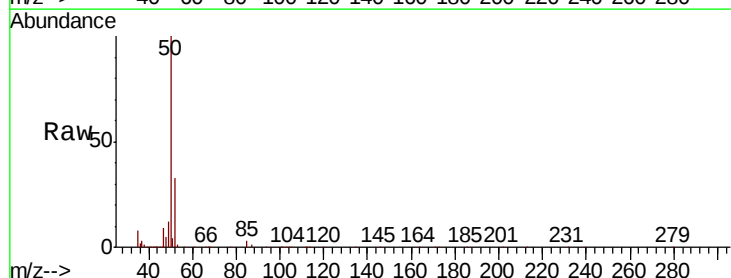
Instrument :
MSVOA_L
ClientSampleId :

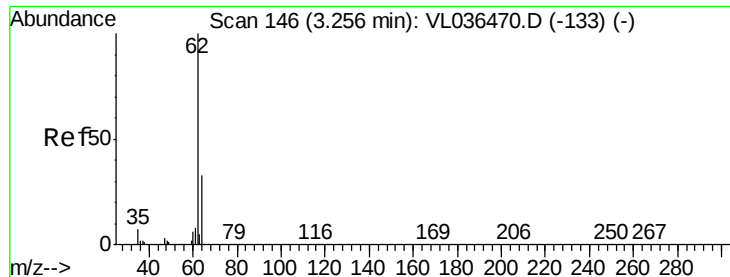
Tot Ion: 51 Resp: 2641992
Ion Ratio Lower Upper
51 100
67 18.5 14.7 22.1



#4
Chloromethane
Concen: 10.509 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 50 Resp: 918425
Ion Ratio Lower Upper
50 100
52 32.9 27.0 40.6





#5

Vinyl Chloride

Concen: 9.997 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

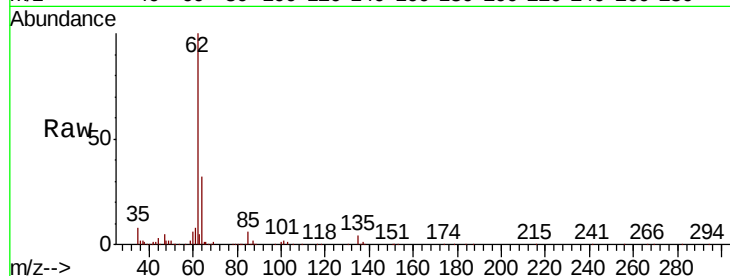
ClientSampleId :

Tot Ion: 62 Resp: 898401

Ion Ratio Lower Upper

62 100

64 31.9 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

500000

400000

300000

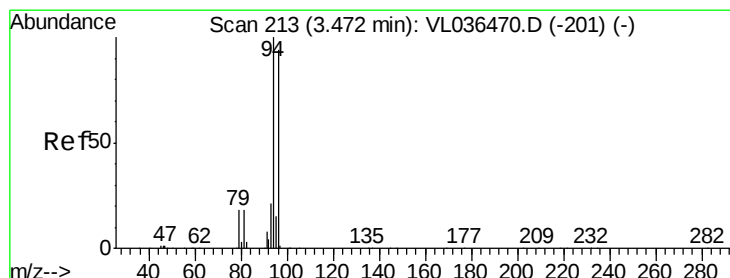
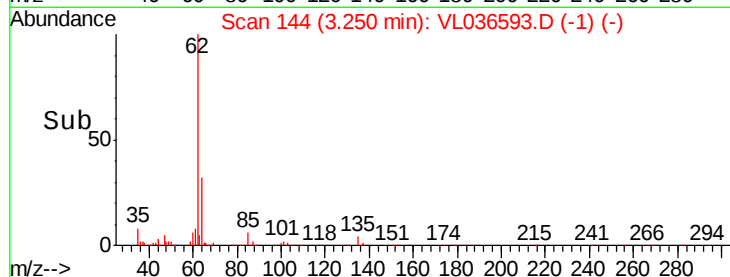
200000

100000

0

3.20 3.25 3.30

Time-->



#6

Bromomethane

Concen: 10.095 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036593.D

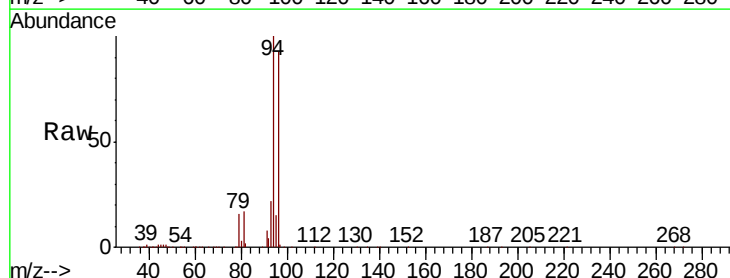
Acq: 31 Mar 2021 7:45

Tgt Ion: 94 Resp: 499449

Ion Ratio Lower Upper

94 100

96 92.8 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

300000

250000

200000

150000

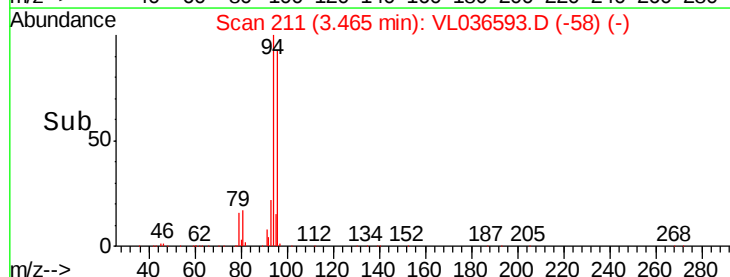
100000

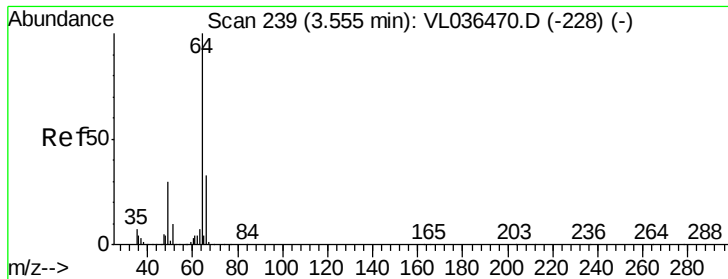
50000

0

3.40 3.45 3.50

Time-->





#7

Chloroethane

Concen: 9.829 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

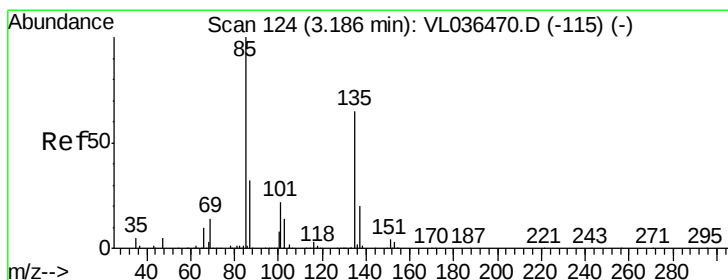
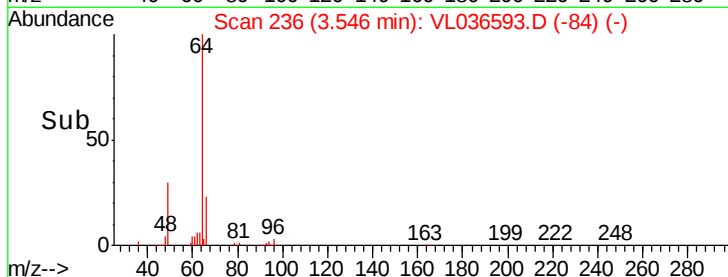
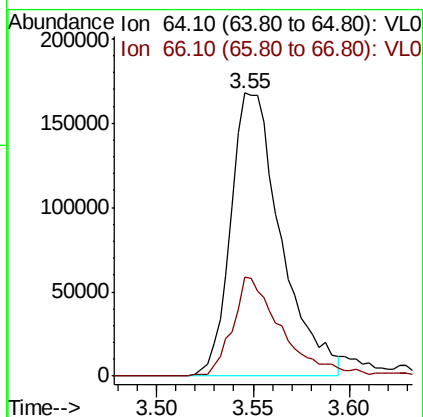
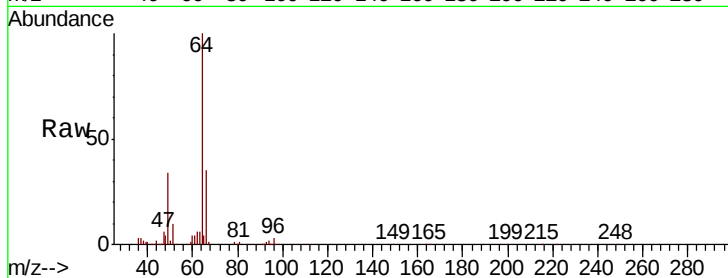
ClientSampleId :

Tot Ion: 64 Resp: 303523

Ion Ratio Lower Upper

64 100

66 34.9 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 10.461 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036593.D

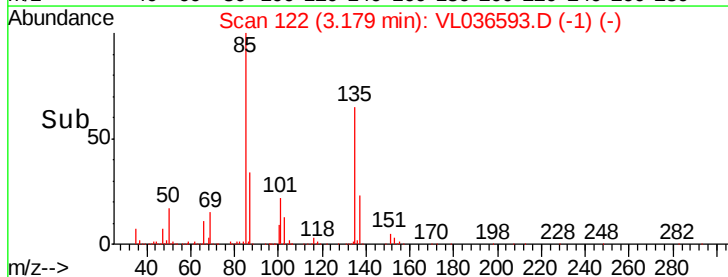
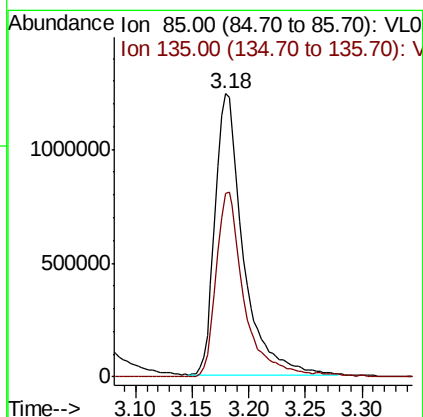
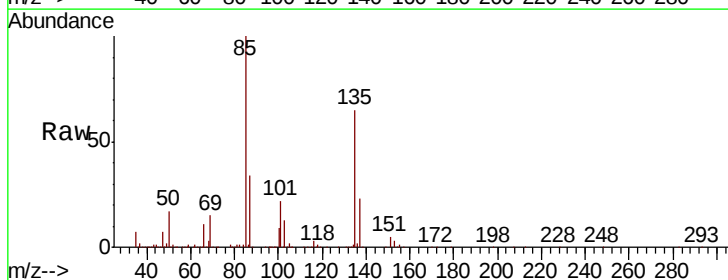
Acq: 31 Mar 2021 7:45

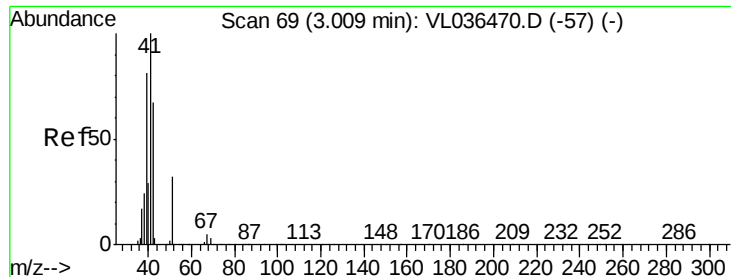
Tgt Ion: 85 Resp: 2156539

Ion Ratio Lower Upper

85 100

135 66.3 54.3 81.5





#9

Propene

Concen: 10.065 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

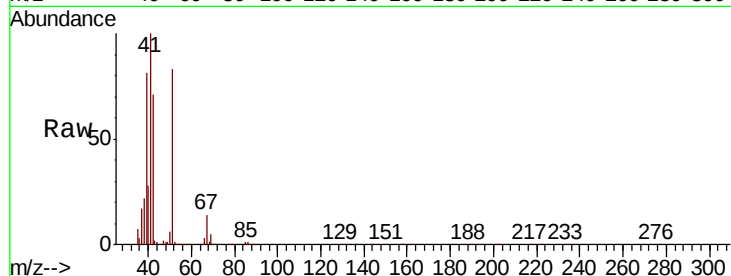
ClientSampleId :

Tot Ion: 41 Resp: 793901

Ion Ratio Lower Upper

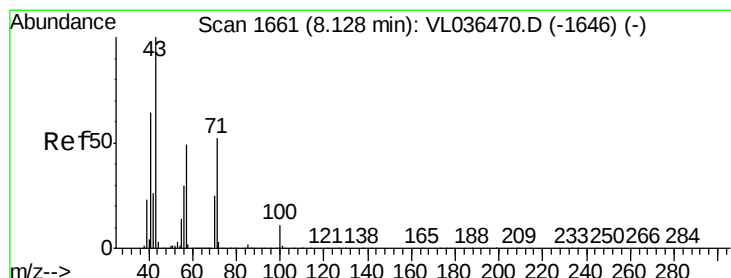
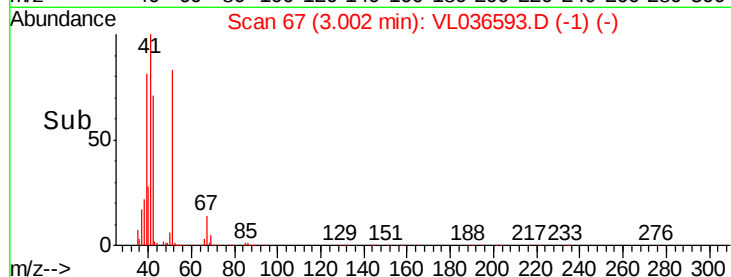
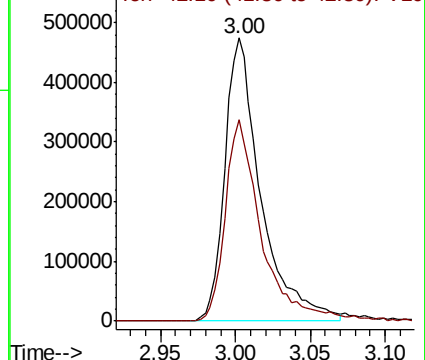
41 100

42 72.1 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.689 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL036593.D

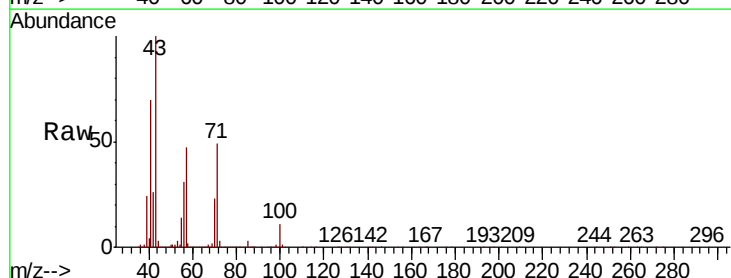
Acq: 31 Mar 2021 7:45

Tgt Ion: 43 Resp: 2147892

Ion Ratio Lower Upper

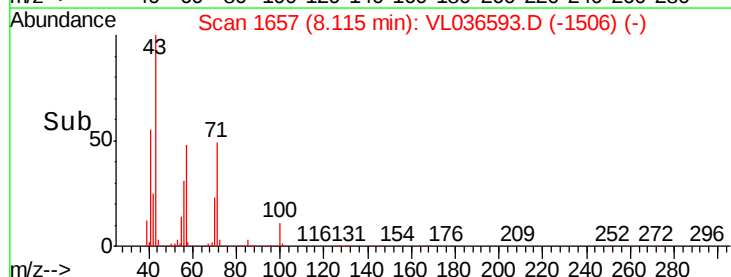
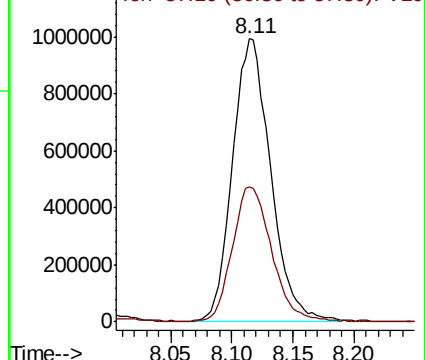
43 100

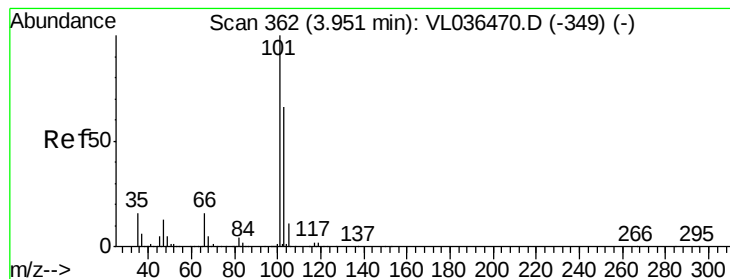
57 49.5 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.166 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

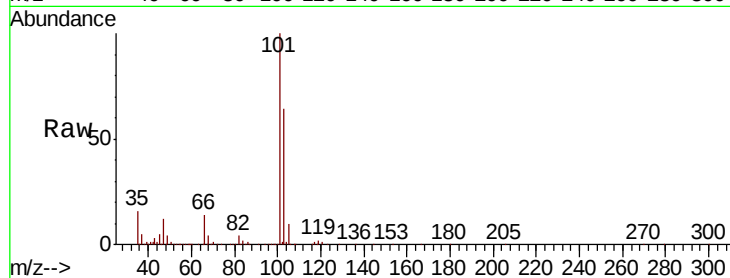
ClientSampleId :

Tot Ion:101 Resp: 2237830

Ion Ratio Lower Upper

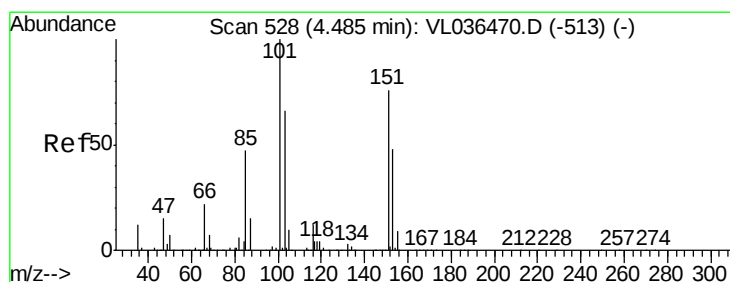
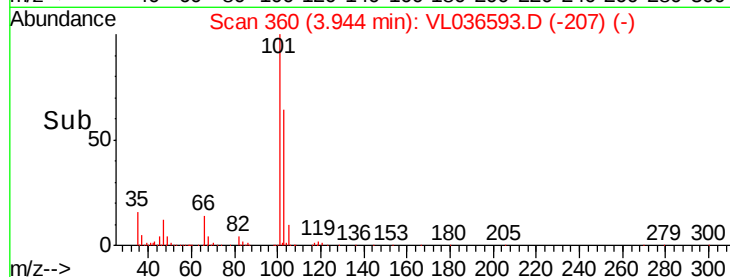
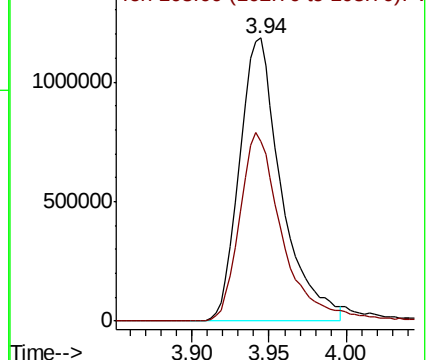
101 100

103 63.5 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.563 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL036593.D

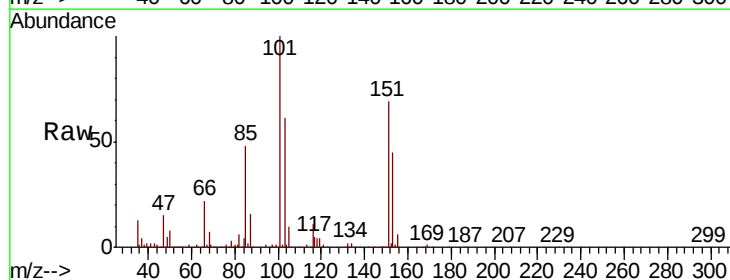
Acq: 31 Mar 2021 7:45

Tgt Ion:101 Resp: 1486687

Ion Ratio Lower Upper

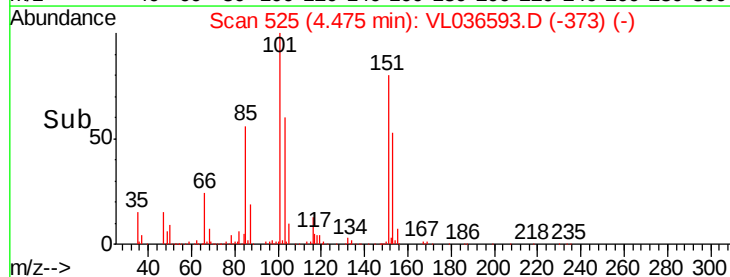
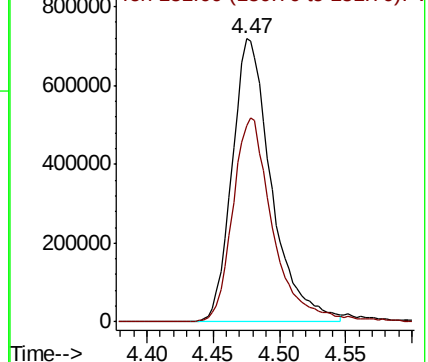
101 100

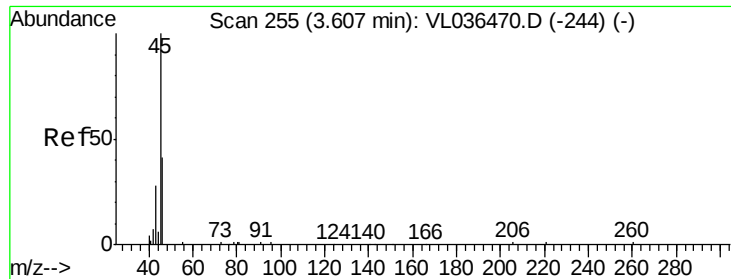
151 73.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 2.647 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

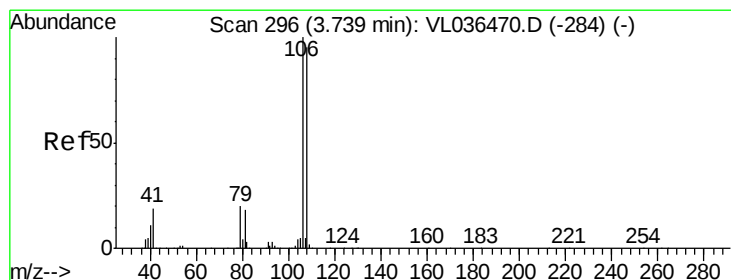
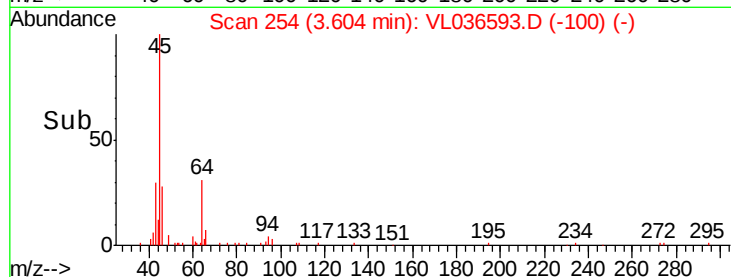
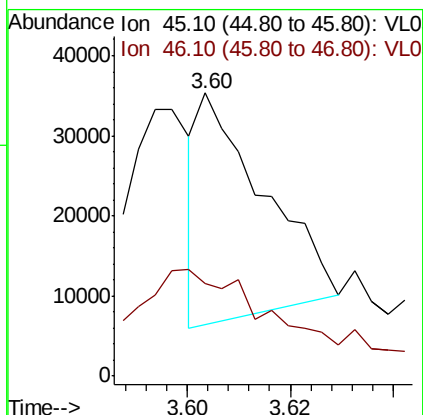
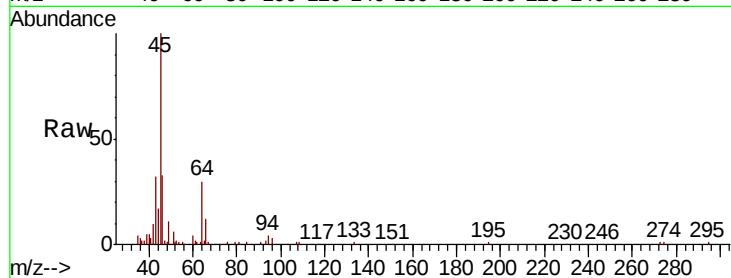
ClientSampleId :

Tot Ion: 45 Resp: 24868

Ion Ratio Lower Upper

45 100

46 122.5 16.6 66.2#



#14

Bromoethene

Concen: 10.733 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

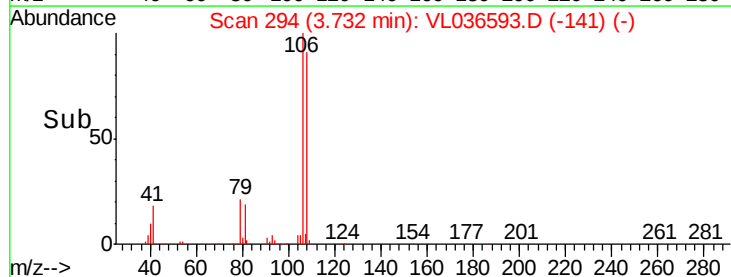
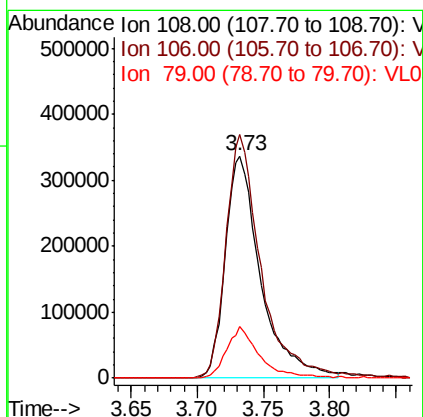
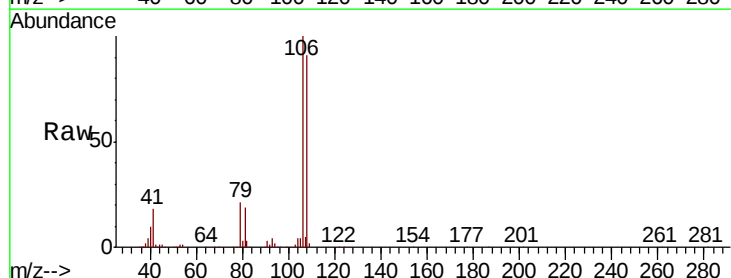
Tgt Ion: 108 Resp: 628005

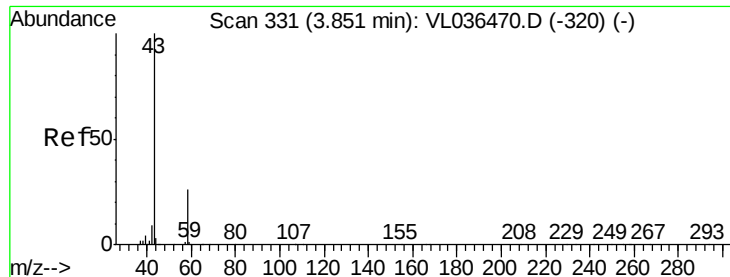
Ion Ratio Lower Upper

108 100

106 109.8 89.0 133.6

79 22.3 16.6 25.0





#15

Acetone

Concen: 10.491 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

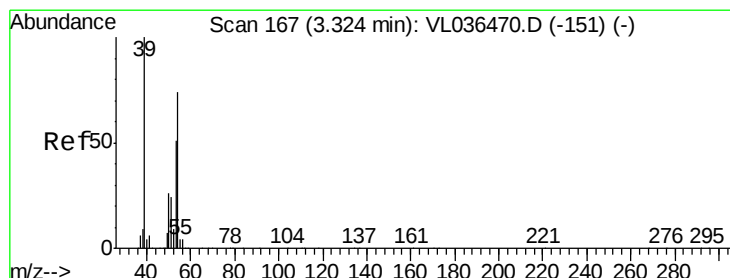
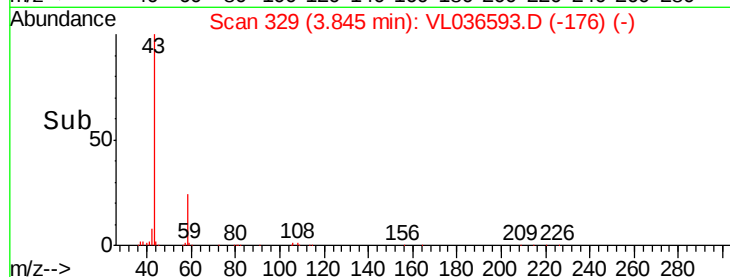
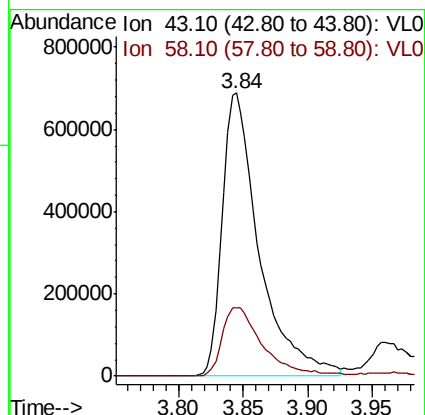
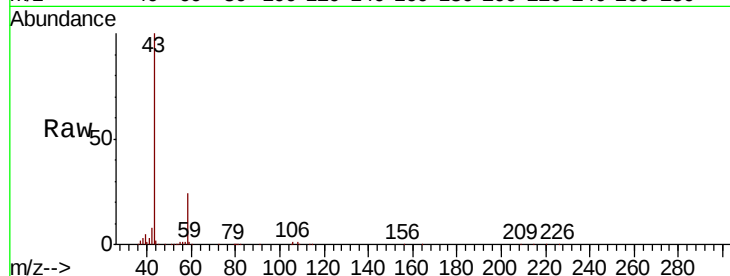
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1367478

Ion Ratio Lower Upper

43 100

58 26.9 21.2 31.8



#16

1,3-Butadiene

Concen: 10.495 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036593.D

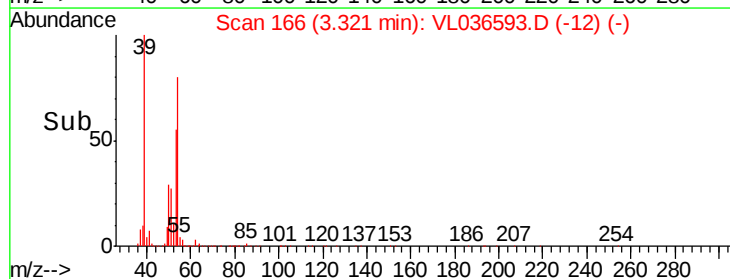
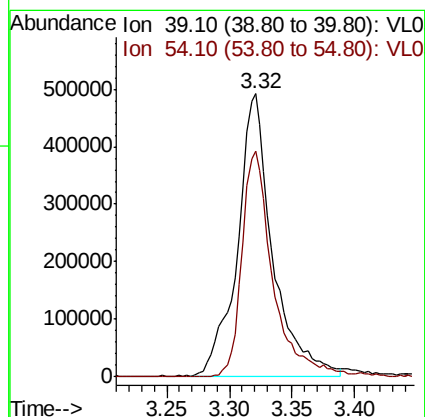
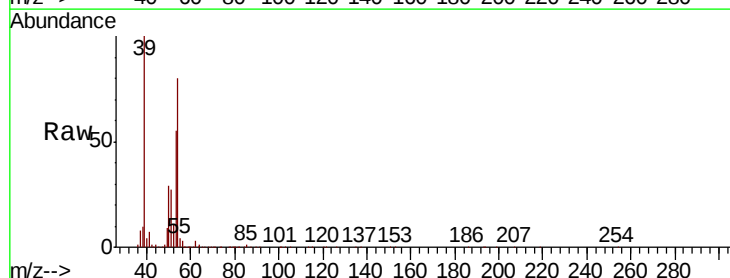
Acq: 31 Mar 2021 7:45

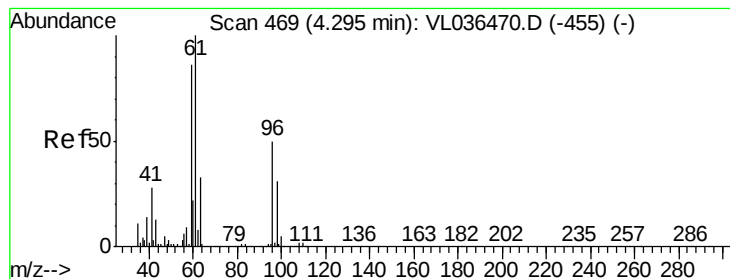
Tgt Ion: 39 Resp: 952353

Ion Ratio Lower Upper

39 100

54 71.8 58.8 88.2



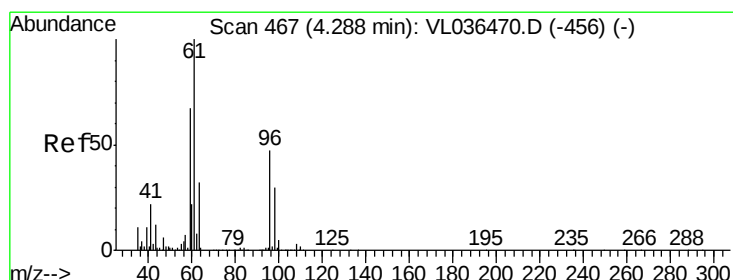
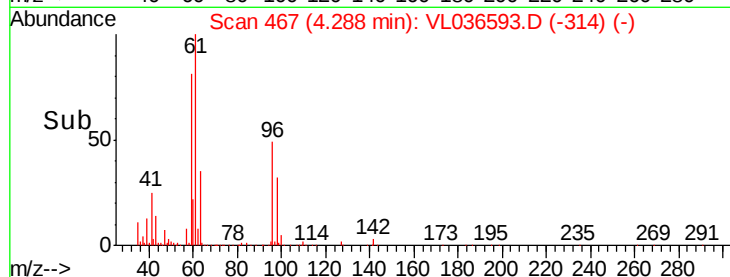
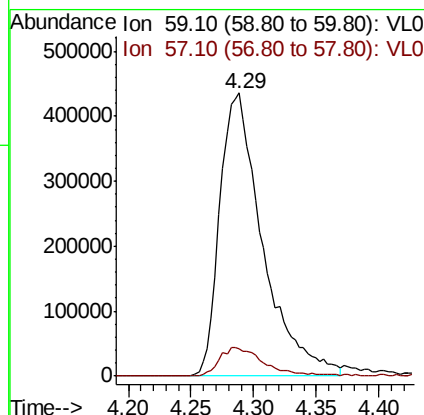
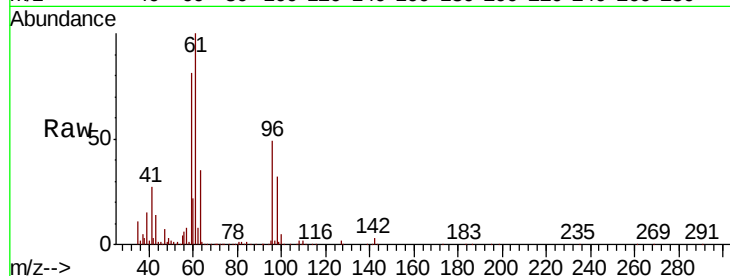


#17

tert-Butyl alcohol
Concen: 9.132 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :

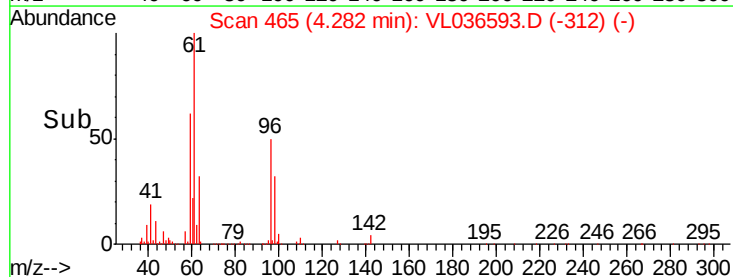
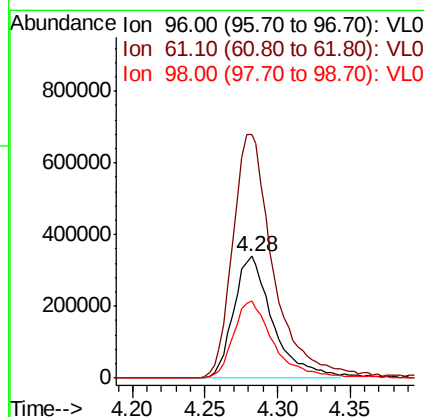
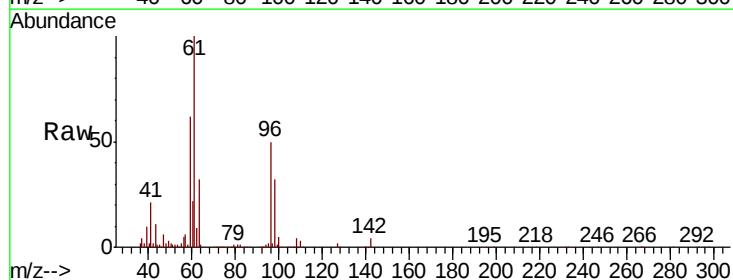
Tot Ion: 59 Resp: 1036162
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

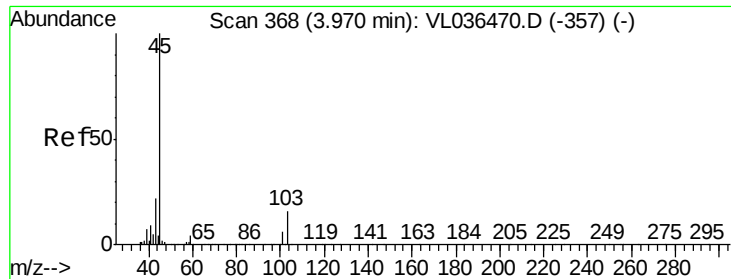


#18

1,1-Dichloroethene
Concen: 10.208 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 96 Resp: 639056
Ion Ratio Lower Upper
96 100
61 199.6 168.6 253.0
98 63.8 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.793 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

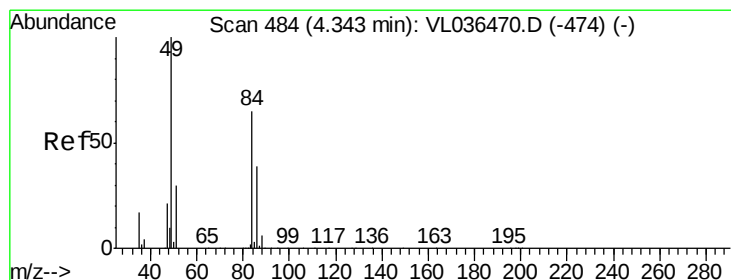
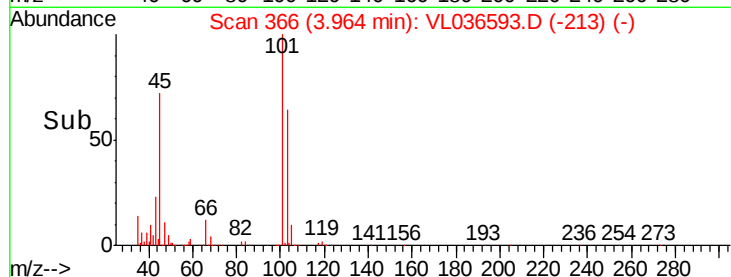
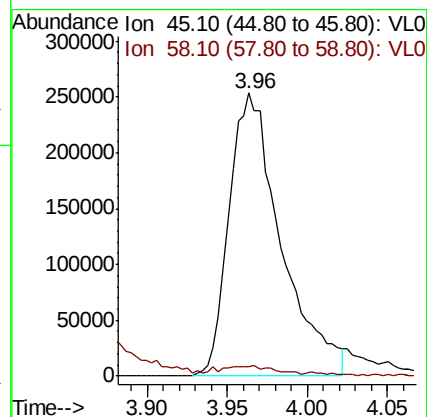
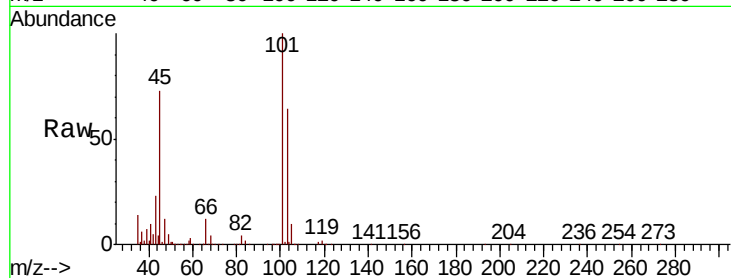
ClientSampleID :

Tot Ion: 45 Resp: 558781

Ion Ratio Lower Upper

45 100

58 4.1 2.9 4.3



#20

Methylene Chloride

Concen: 9.483 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion: 84 Resp: 578747

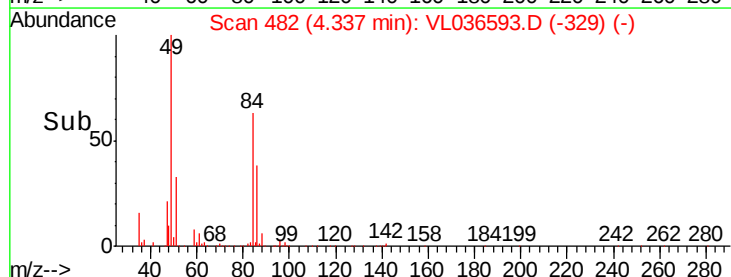
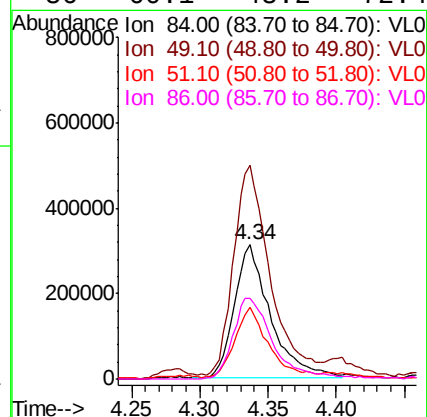
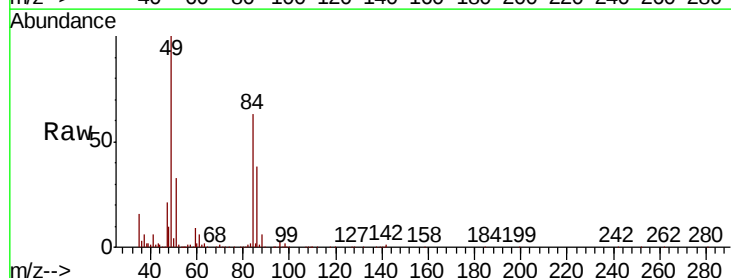
Ion Ratio Lower Upper

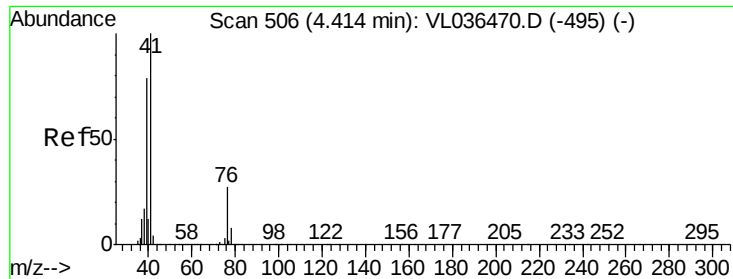
84 100

49 156.9 122.9 184.3

51 51.6 36.9 55.3

86 60.1 48.2 72.4

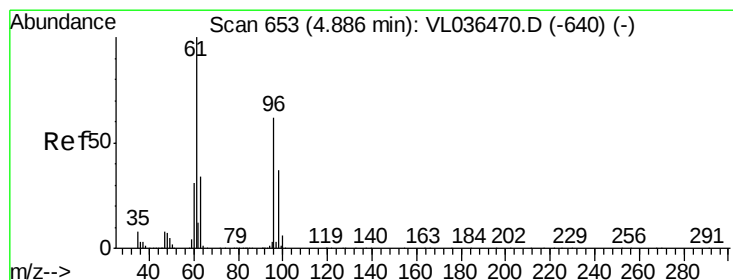
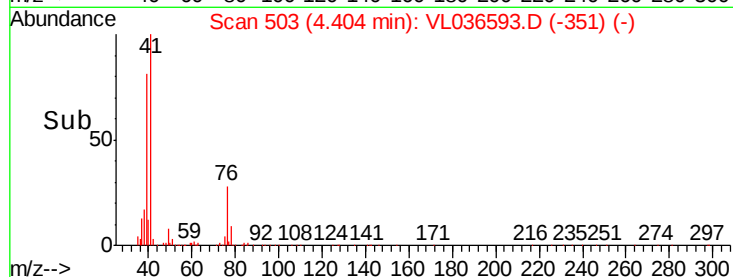
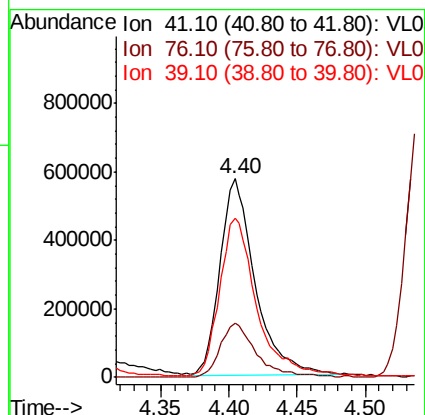
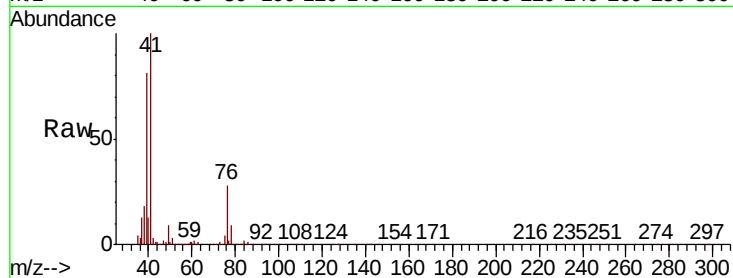




#21
Allvl Chloride
Concen: 9.897 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

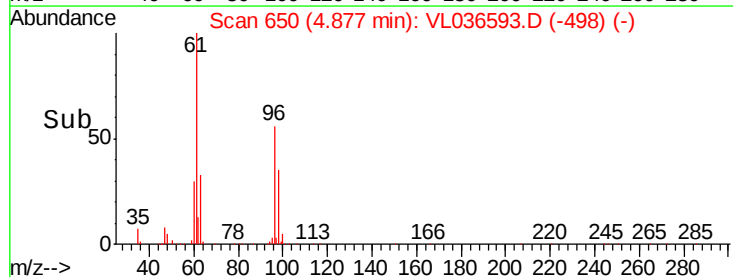
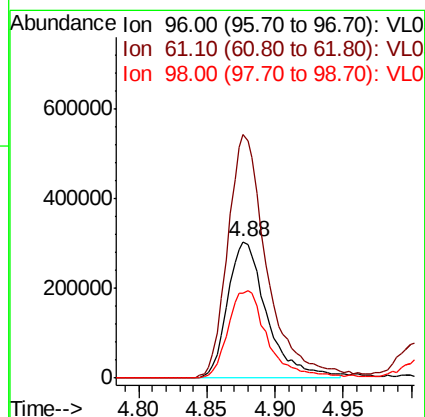
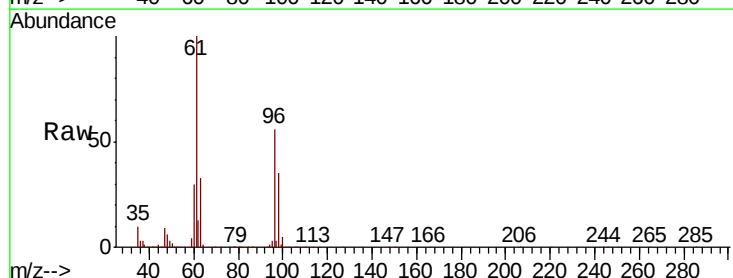
Instrument :
MSVOA_L
ClientSampleId :

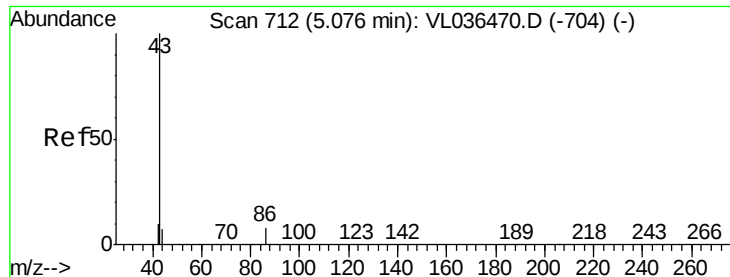
Tot Ion: 41 Resp: 1028338
Ion Ratio Lower Upper
41 100
76 28.8 22.9 34.3
39 85.5 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 10.442 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 96 Resp: 606014
Ion Ratio Lower Upper
96 100
61 178.1 129.4 194.0
98 62.2 48.2 72.4





#23

Vinyl Acetate

Concen: 10.268 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2289341

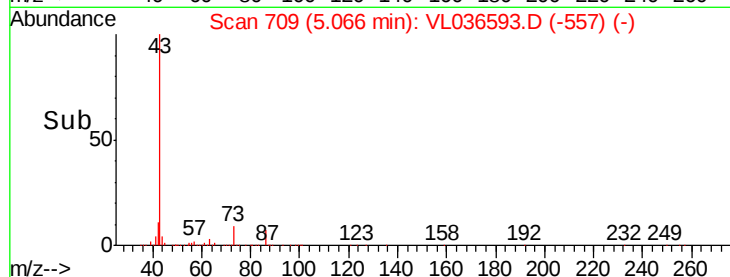
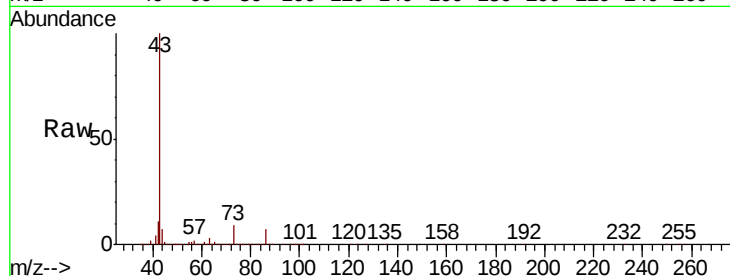
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.4	8.0
42	11.0	8.5	12.7
44	6.3	4.6	7.0

43 100

86 7.7 5.4 8.0

42 11.0 8.5 12.7

44 6.3 4.6 7.0

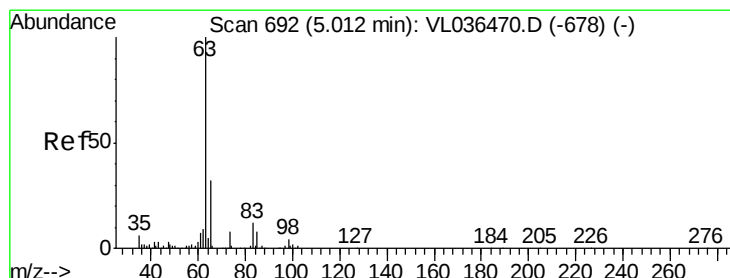
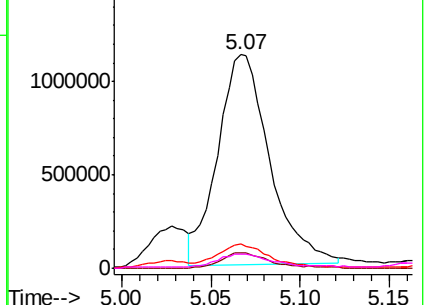


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 10.257 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

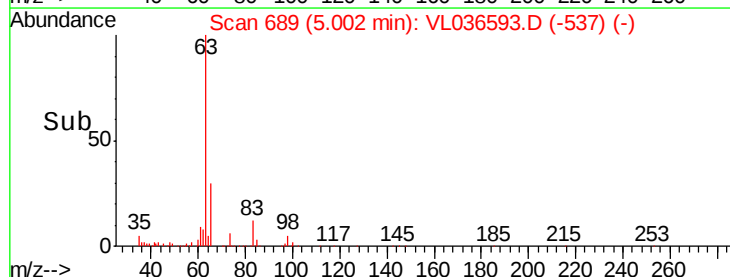
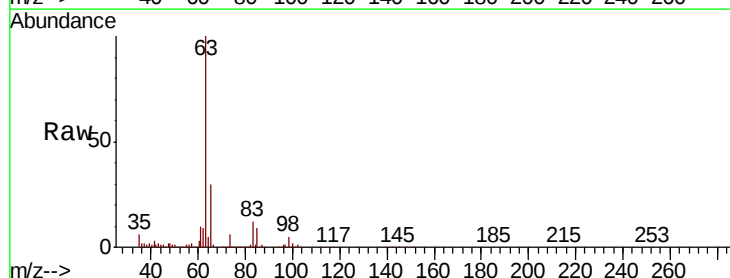
Tgt Ion: 63 Resp: 1666864

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.3	0.9	2.8

63 100

98 4.6 2.1 6.2

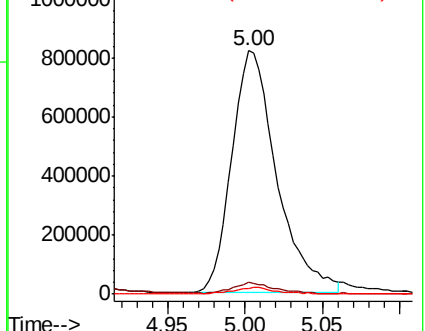
100 2.3 0.9 2.8

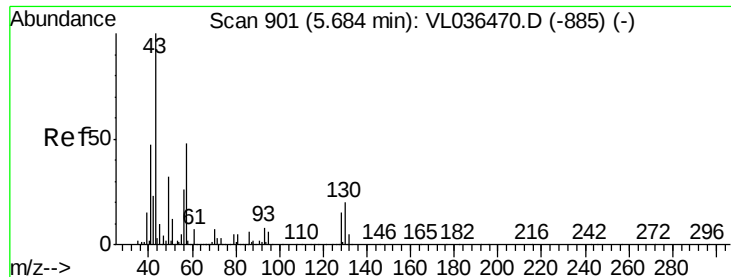


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



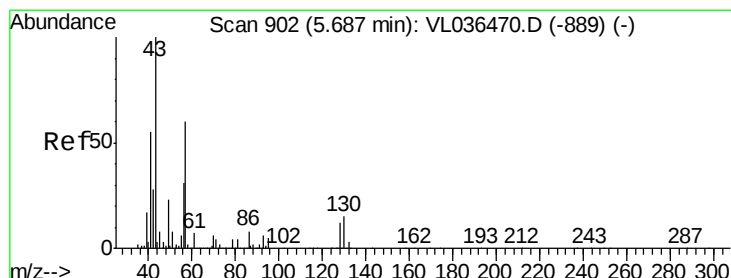
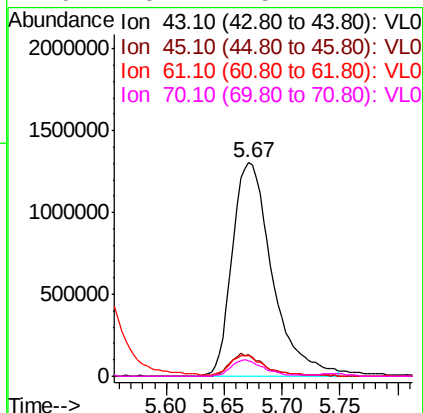
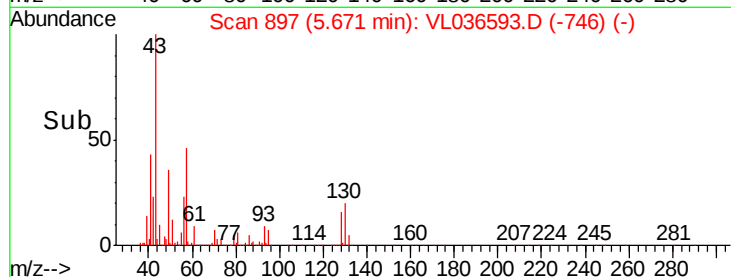
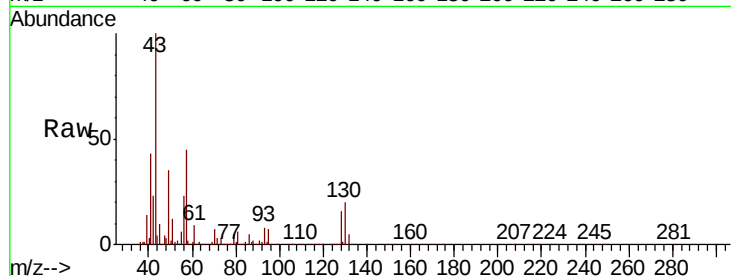


#25
Ethyl Acetate
Concen: 10.047 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3113408

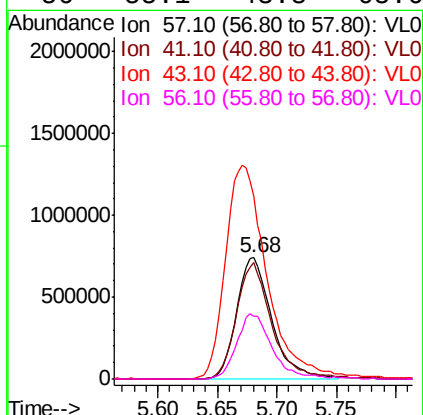
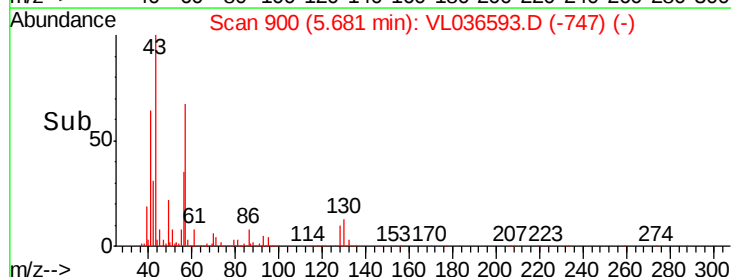
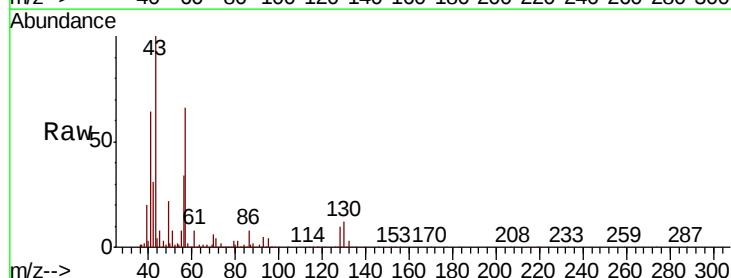
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	8.9	7.4	11.2
70	6.4	5.1	7.7

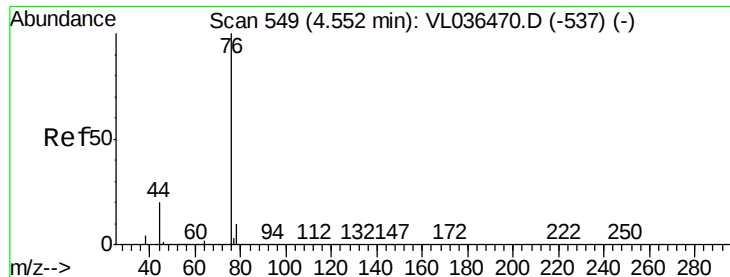


#26
Hexane
Concen: 10.556 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 57 Resp: 1518073

Ion	Ratio	Lower	Upper
57	100		
41	97.5	77.2	115.8
43	209.1	173.8	260.6
56	55.1	43.8	65.6





#27

Carbon Disulfide

Concen: 11.477 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

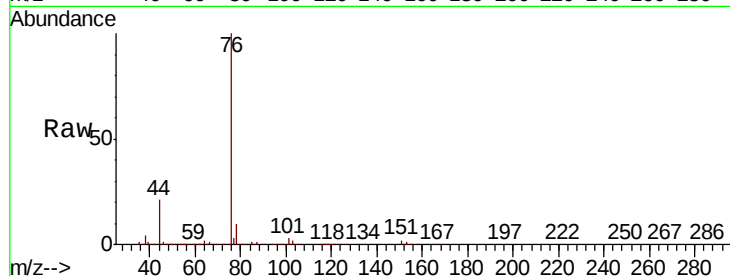
Tot Ion: 76 Resp: 1625881

Ion Ratio Lower Upper

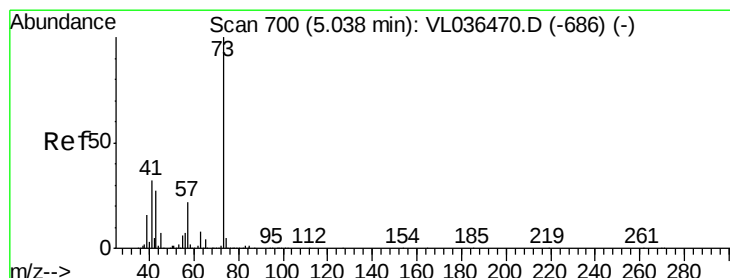
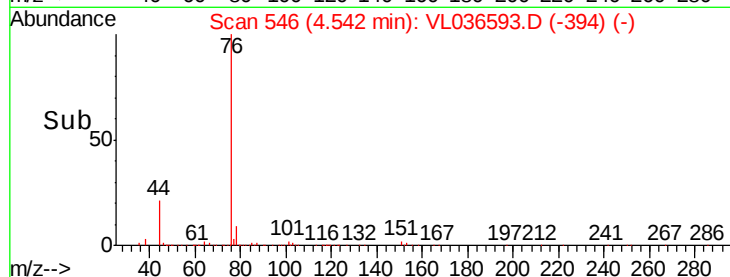
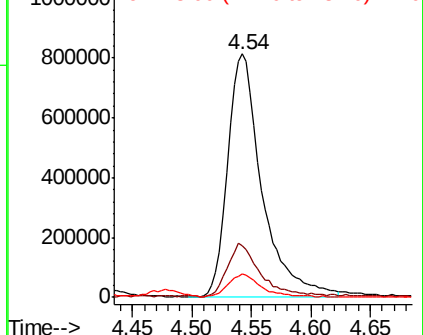
76 100

44 21.1 17.5 26.3

78 9.5 8.6 13.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.744 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036593.D

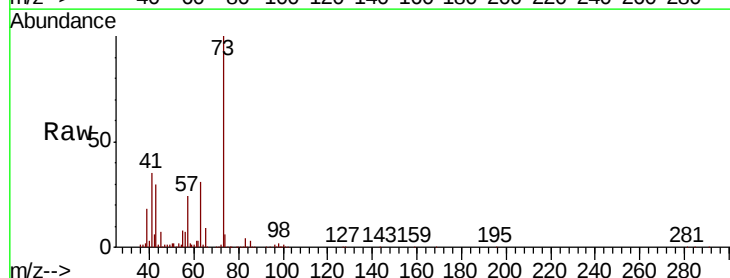
Acq: 31 Mar 2021 7:45

Tgt Ion: 73 Resp: 1652551

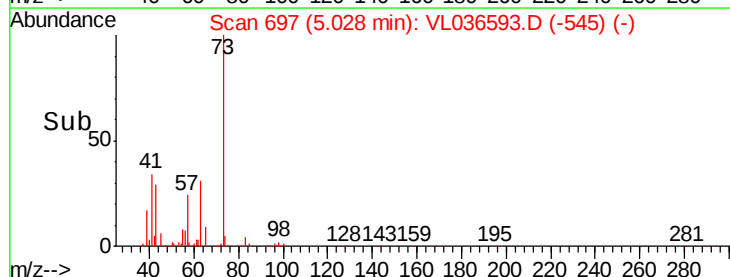
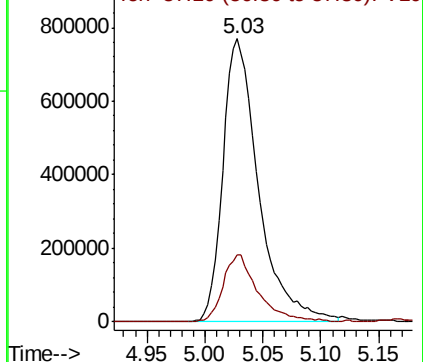
Ion Ratio Lower Upper

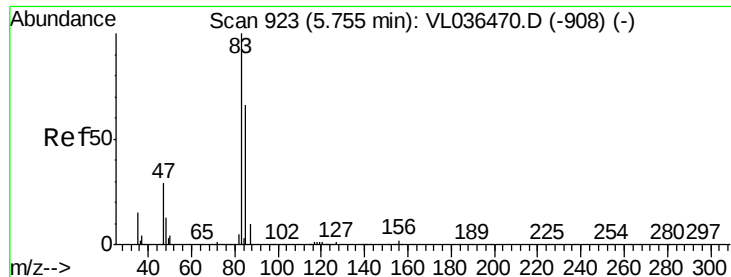
73 100

57 23.5 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

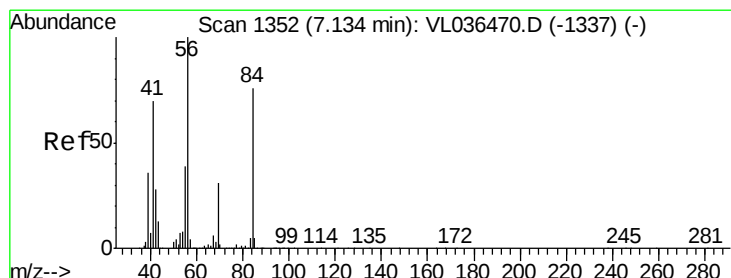
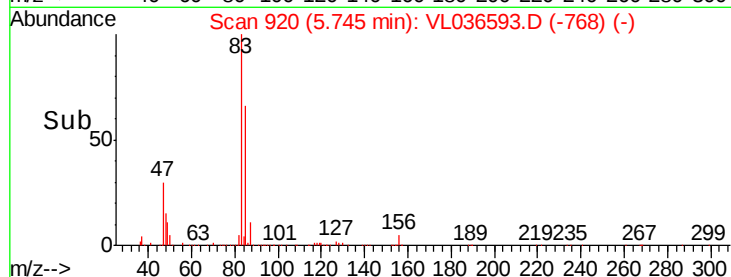
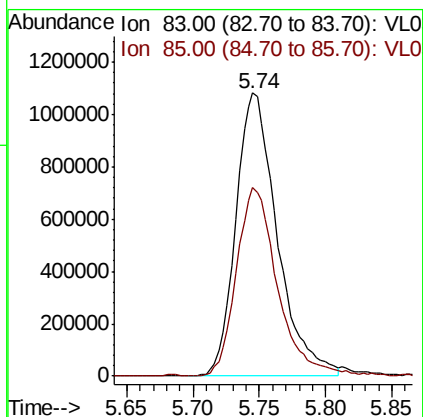
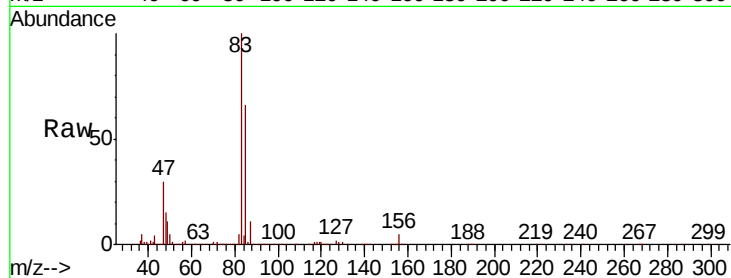




#29
Chloroform
Concen: 10.239 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

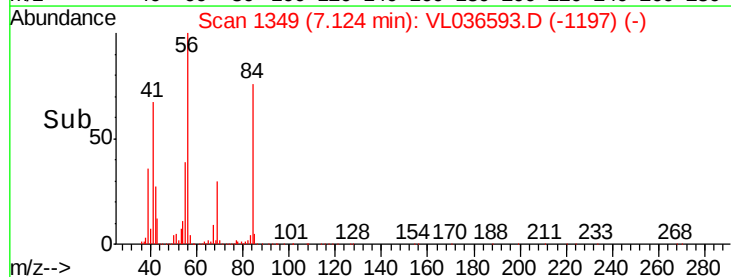
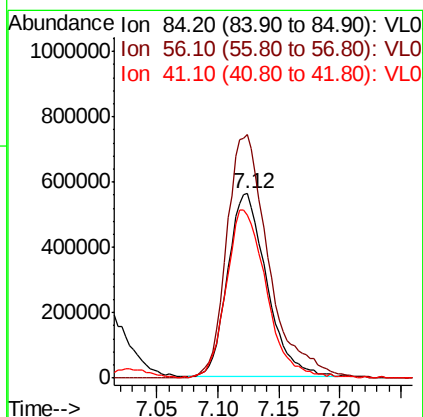
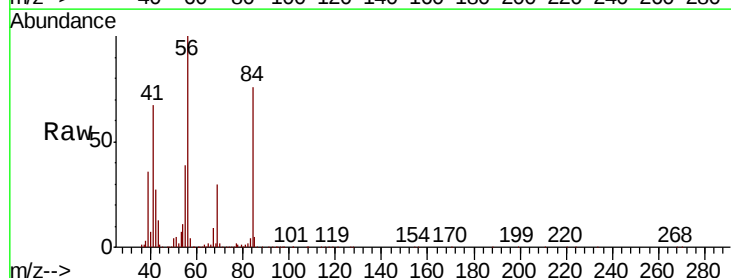
Instrument :
MSVOA_L
ClientSampleId :

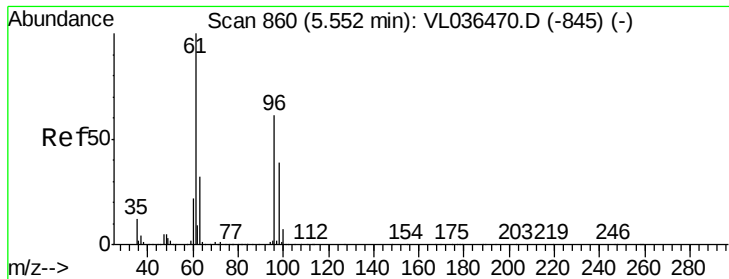
Tot Ion: 83 Resp: 2354844
Ion Ratio Lower Upper
83 100
85 66.3 52.6 78.8



#30
Cyclohexane
Concen: 10.684 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 84 Resp: 1246085
Ion Ratio Lower Upper
84 100
56 144.5 114.6 171.8
41 95.4 75.3 112.9



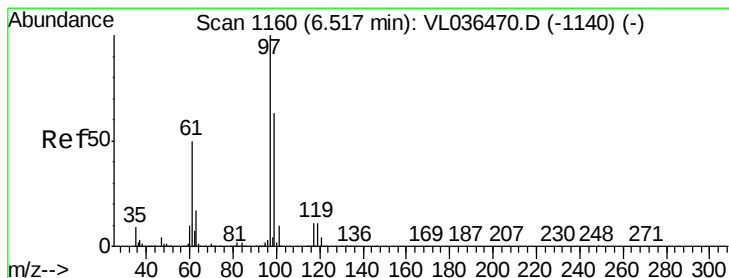
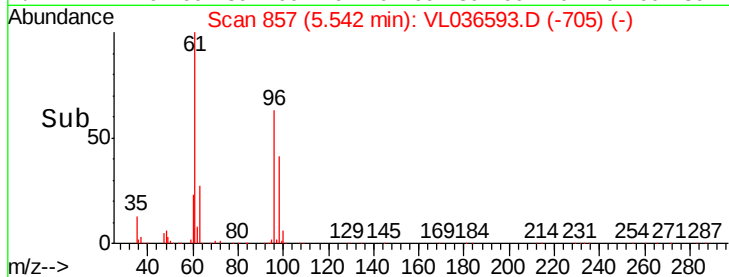
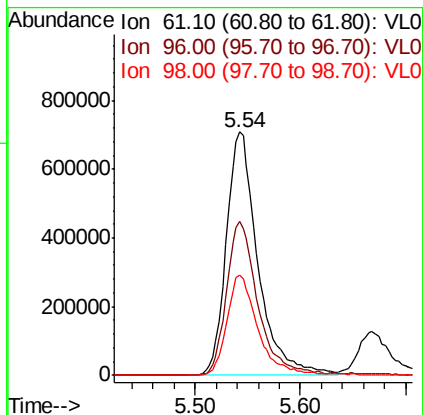
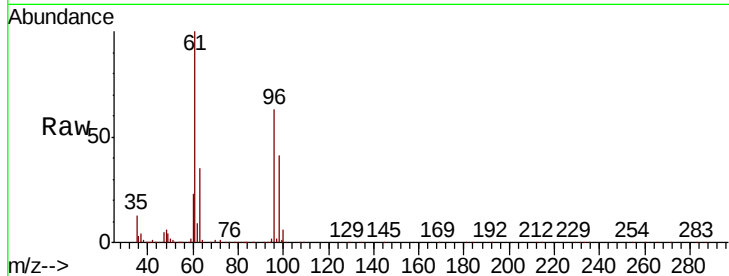


#31

cis-1,2-Dichloroethene
 Concen: 10.548 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :

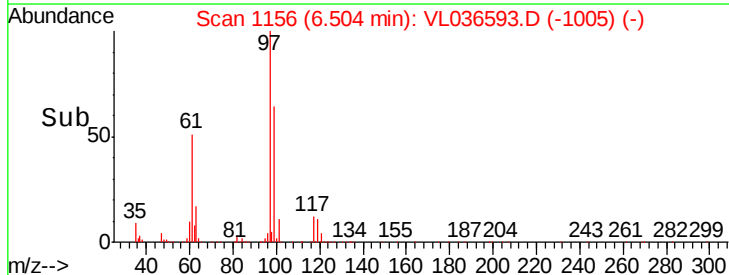
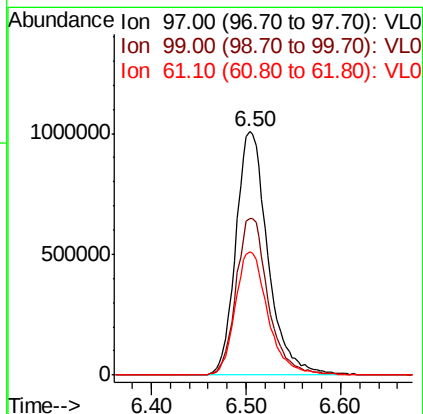
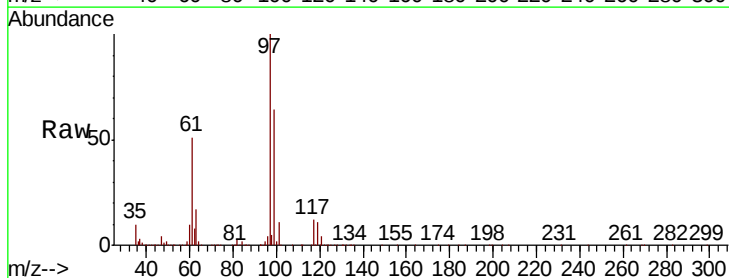
Tot Ion: 61 Resp: 1467153
 Ion Ratio Lower Upper
 61 100
 96 63.1 48.7 73.1
 98 41.2 31.4 47.0

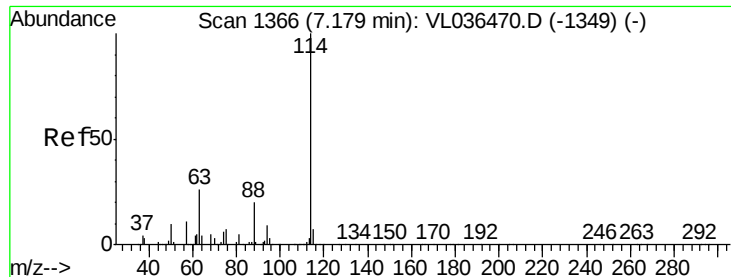


#32

1,1,1-Trichloroethane
 Concen: 10.239 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion: 97 Resp: 2373152
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.0
 61 52.0 40.6 60.8

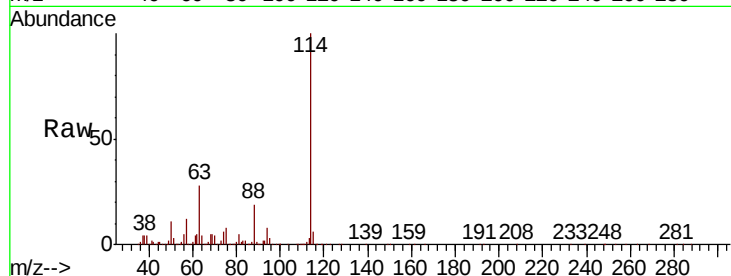




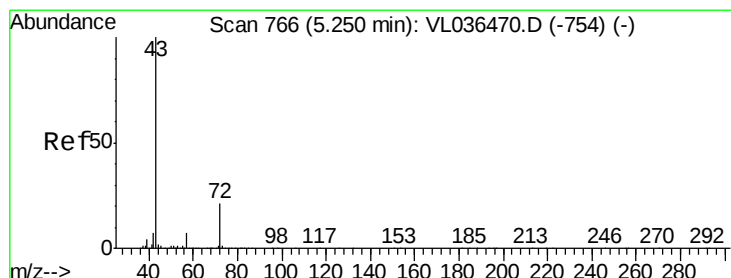
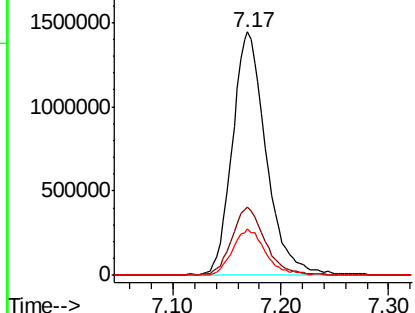
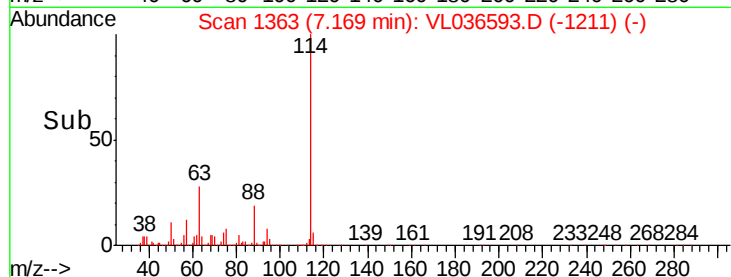
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3150411
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 18.8 15.4 23.0

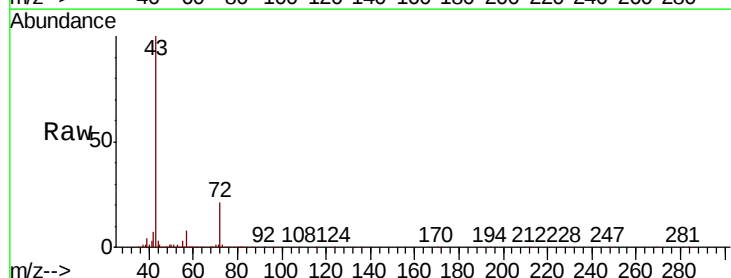


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

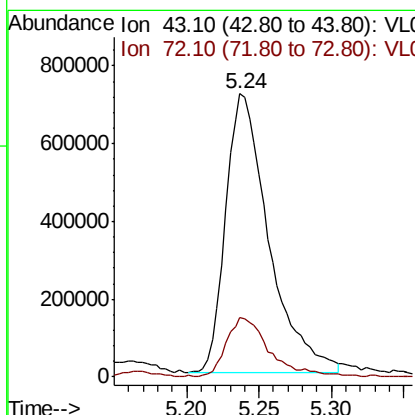
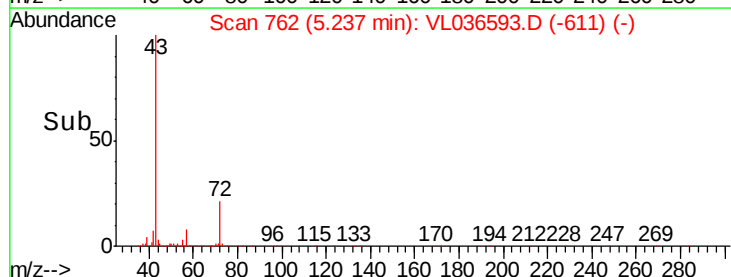


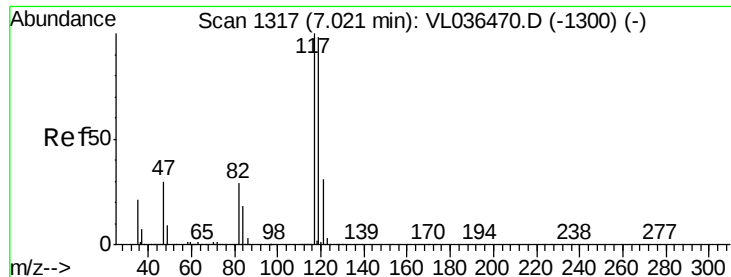
#34
 2-Butanone
 Concen: 9.702 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion: 43 Resp: 1491935
 Ion Ratio Lower Upper
 43 100
 72 21.6 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: 10.320 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

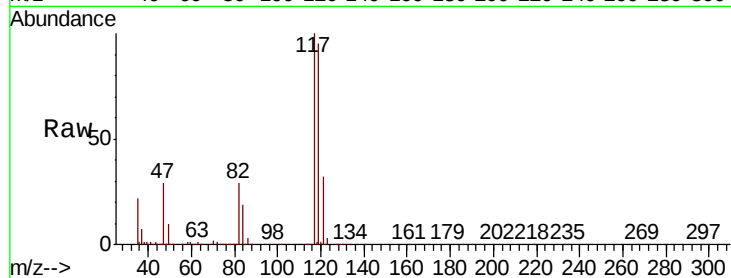
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2497153

Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.2	117.2
121	32.2	24.5	36.7

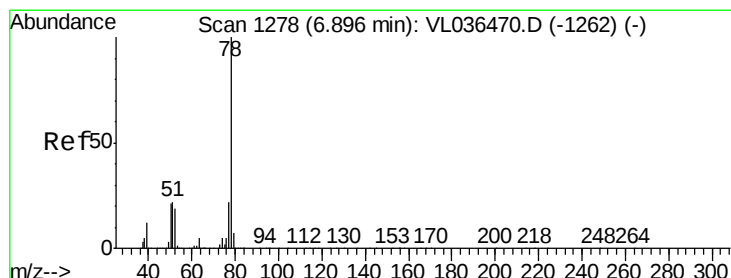
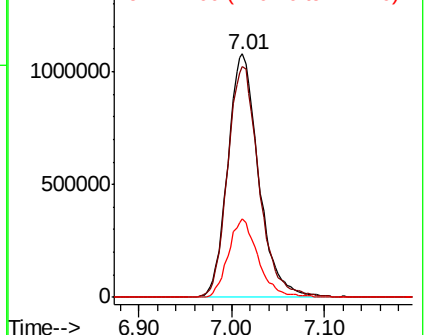
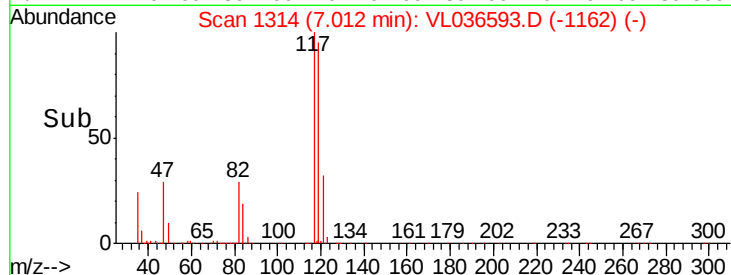


Abundance

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: 10.561 ppbv

RT: 6.88 min Scan# 1274

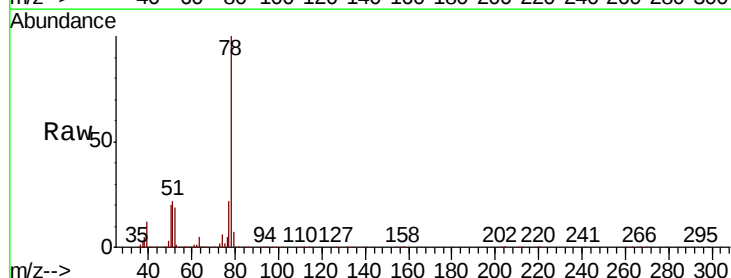
Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion: 78 Resp: 3068497

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.0	27.0
50	20.0	16.5	24.7

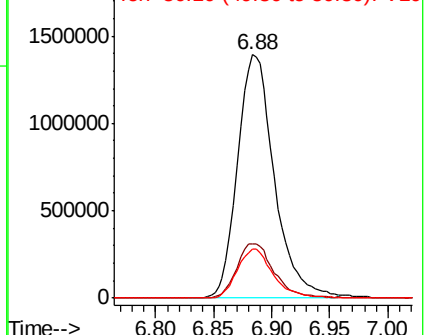
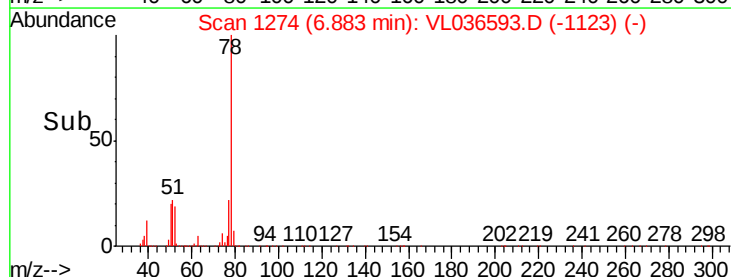


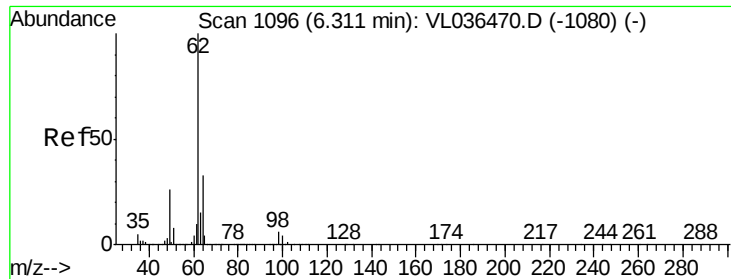
Abundance

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

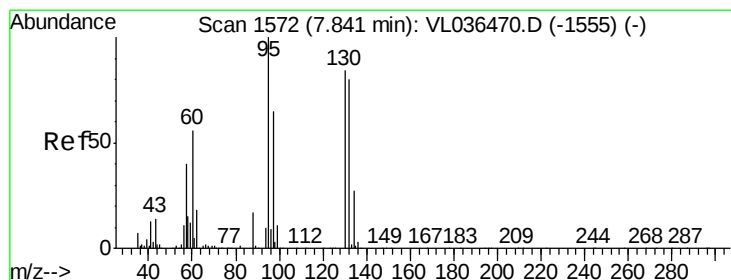
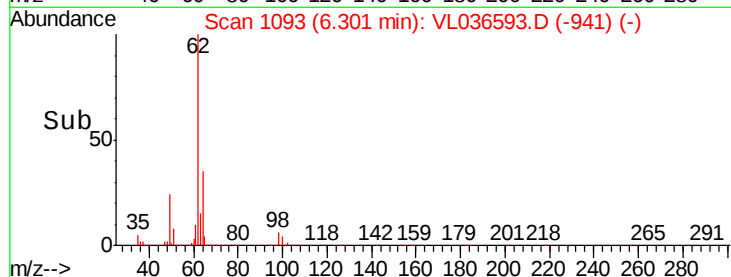
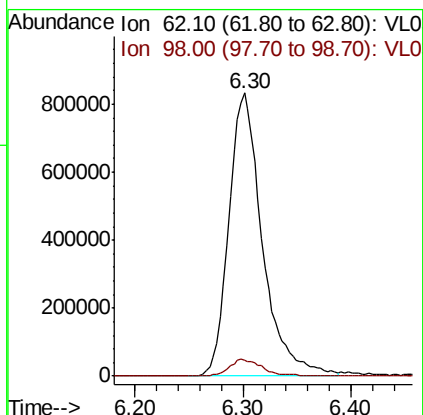
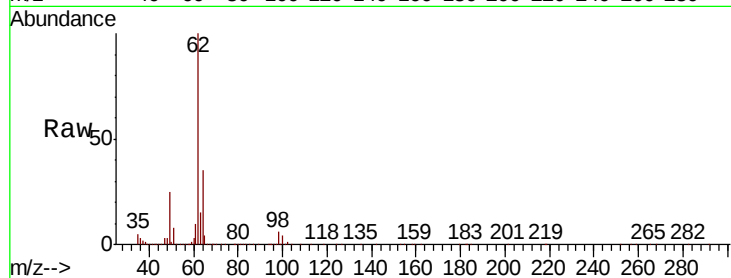




#37
 1,2-Dichloroethane
 Concen: 10.574 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

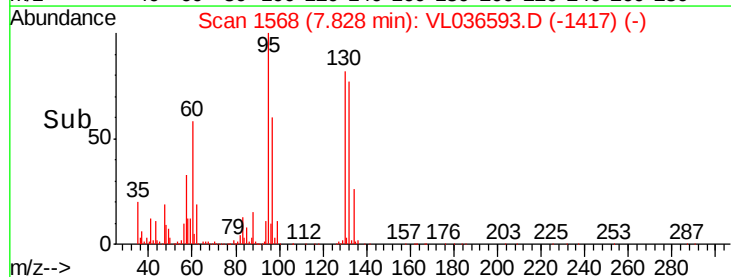
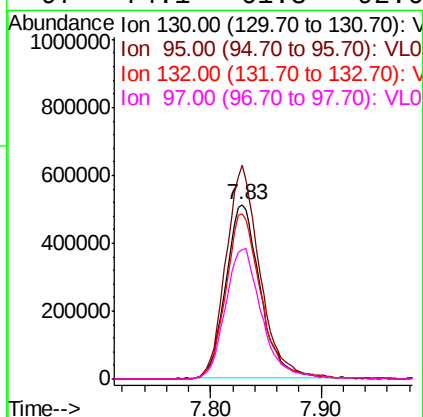
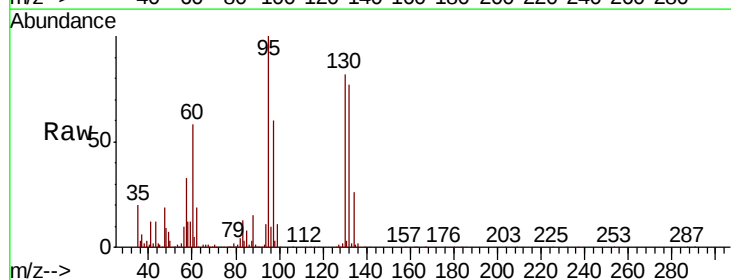
Instrument :
 MSVOA_L
 ClientSampleId :

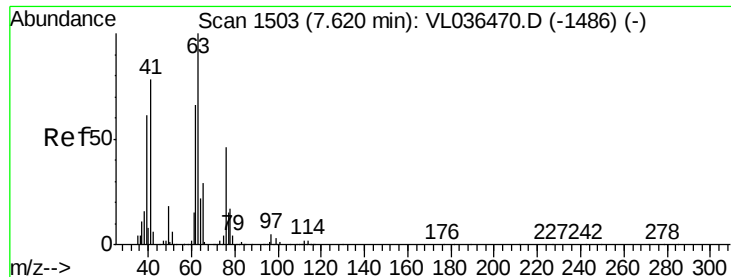
Tot Ion: 62 Resp: 1808334
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.9 7.3



#38
 Trichloroethene
 Concen: 9.800 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion:130 Resp: 1108096
 Ion Ratio Lower Upper
 130 100
 95 122.4 95.7 143.5
 132 94.5 76.2 114.4
 97 74.1 61.8 92.6



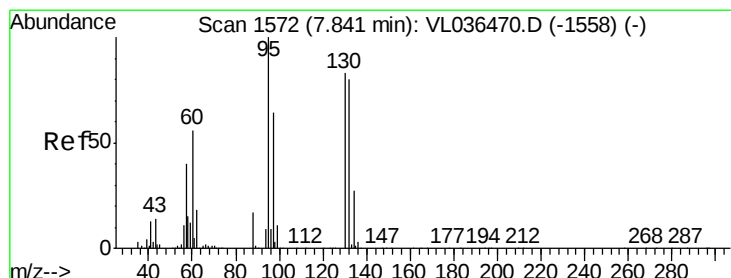
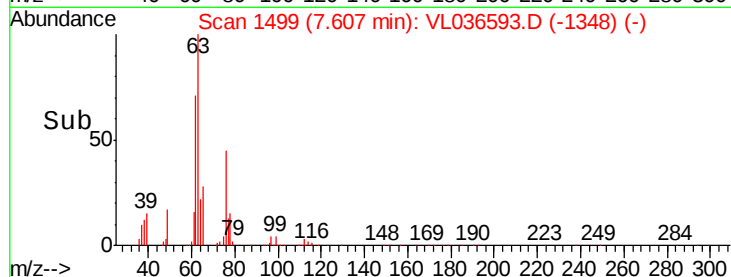
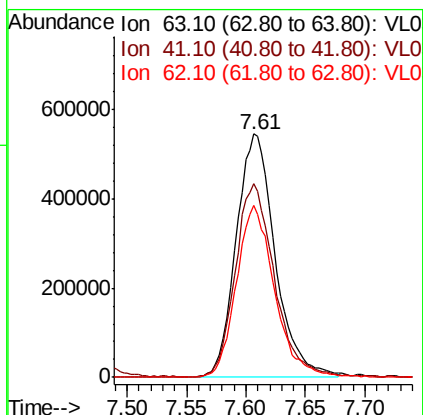
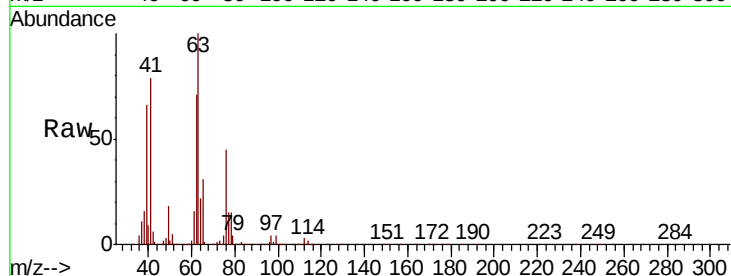


#39
 1,2-Dichloropropane
 Concen: 10.489 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1236236

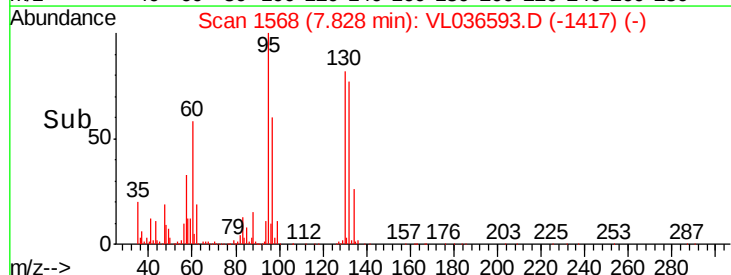
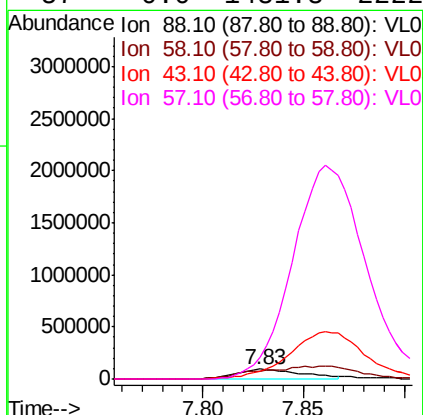
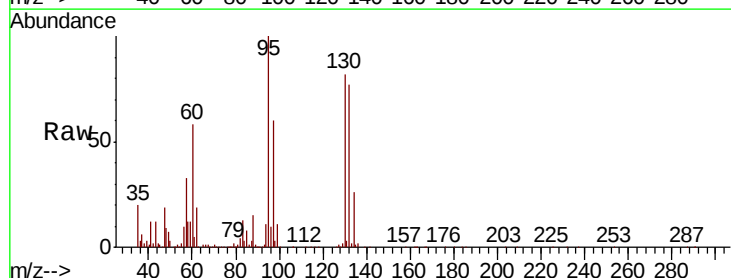
Ion	Ratio	Lower	Upper
63	100		
41	79.2	62.4	93.6
62	70.6	52.8	79.2

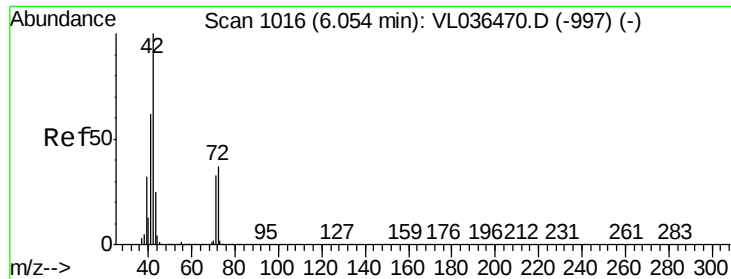


#40
 1,4-Dioxane
 Concen: 7.518 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion: 88 Resp: 206222

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#

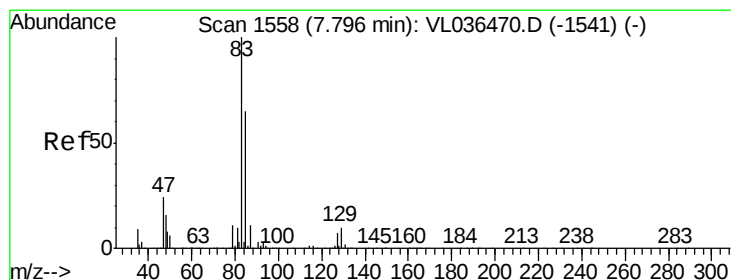
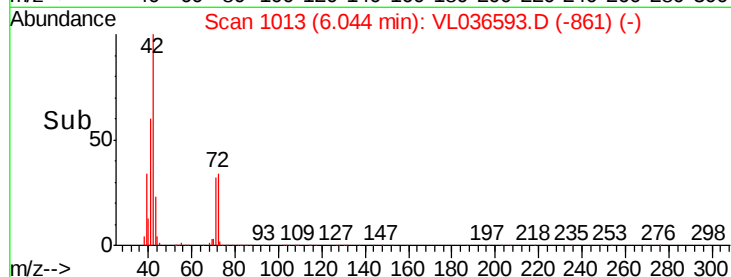
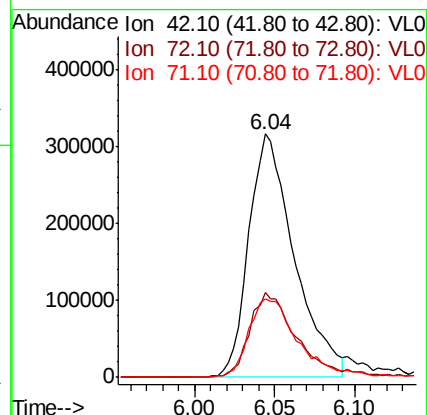
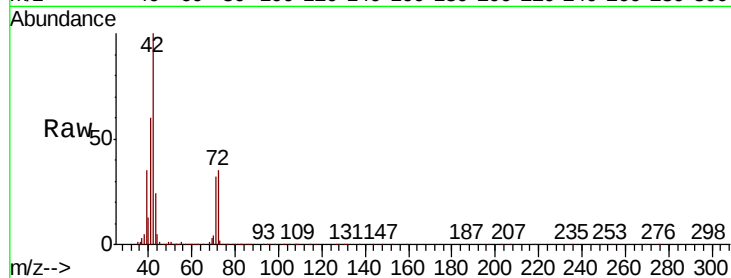




#41
Tetrahydrofuran
Concen: 8.663 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

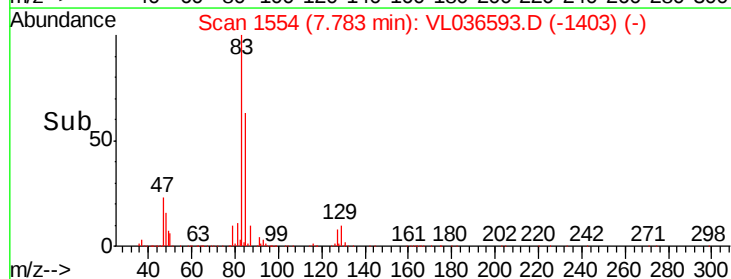
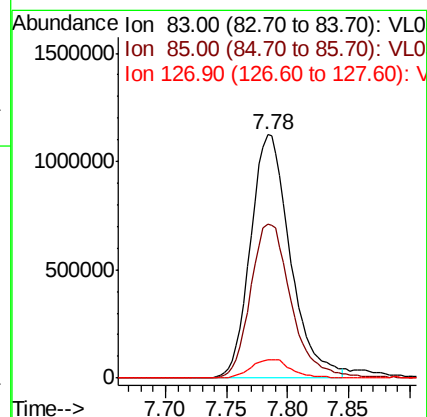
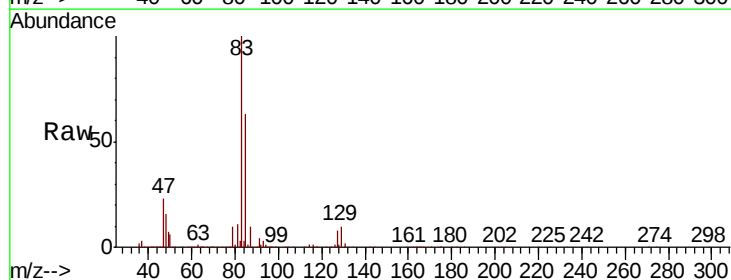
Instrument :
MSVOA_L
ClientSampleId :

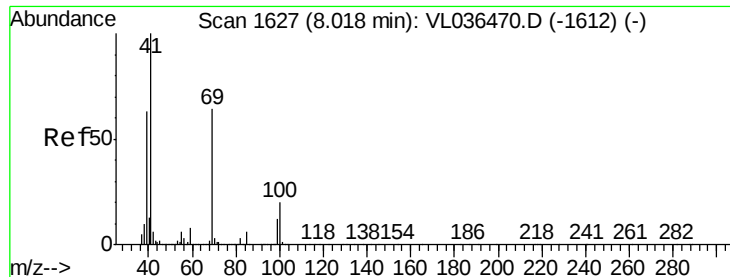
Tot Ion: 42 Resp: 614254
Ion Ratio Lower Upper
42 100
72 37.3 27.6 41.4
71 36.0 27.0 40.4



#42
Bromodichloromethane
Concen: 10.860 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 83 Resp: 2526152
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.6
127 7.6 5.8 8.8





#43

Methyl Methacrylate

Concen: 11.912 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. -0.01 min

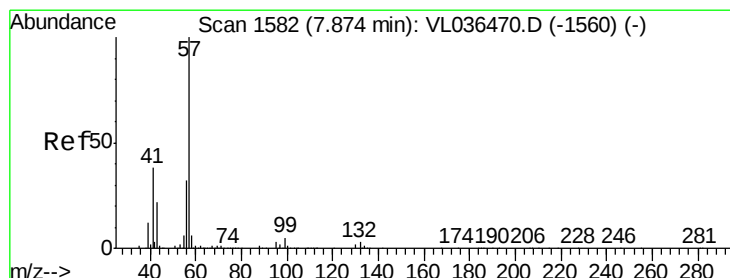
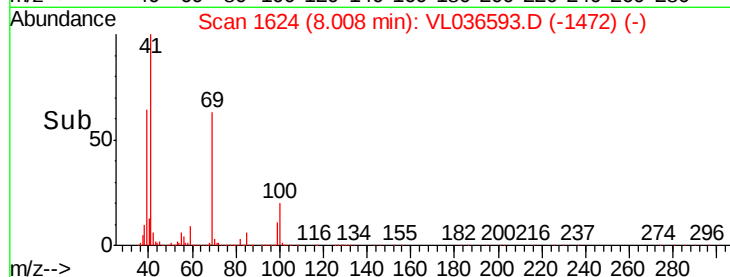
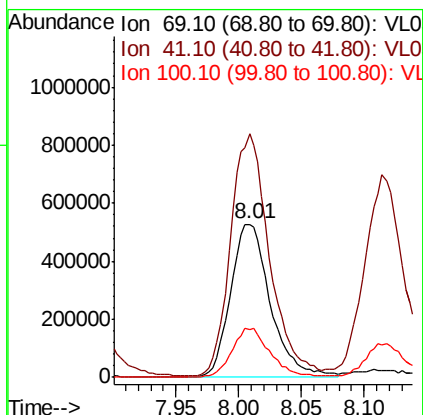
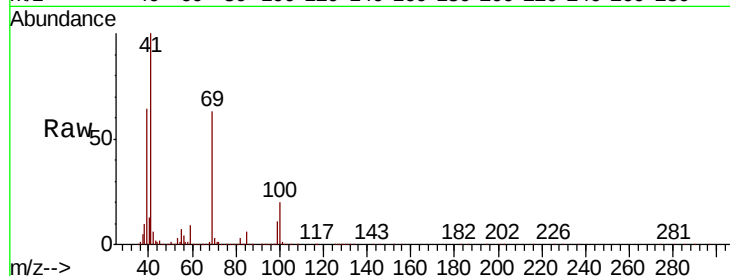
Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1162198

Ion	Ratio	Lower	Upper
69	100		
41	156.2	126.8	190.2
100	30.8	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 10.303 ppbv

RT: 7.86 min Scan# 1578

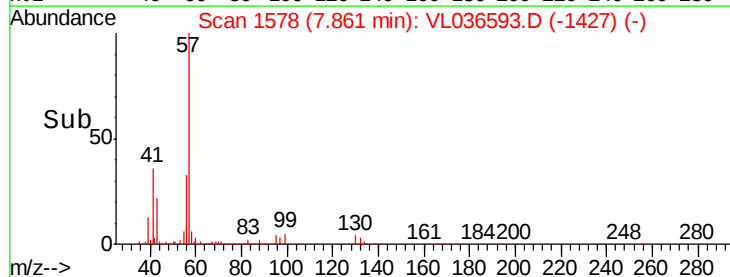
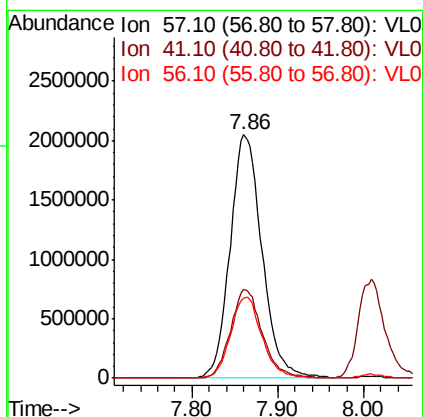
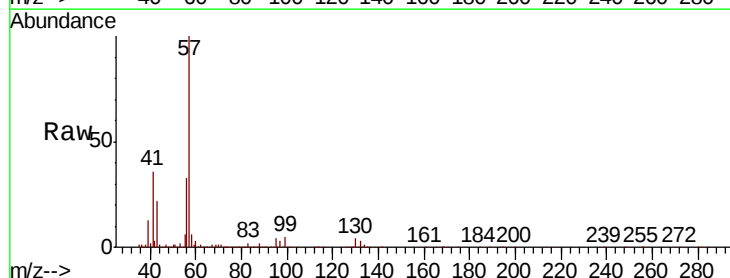
Delta R.T. -0.01 min

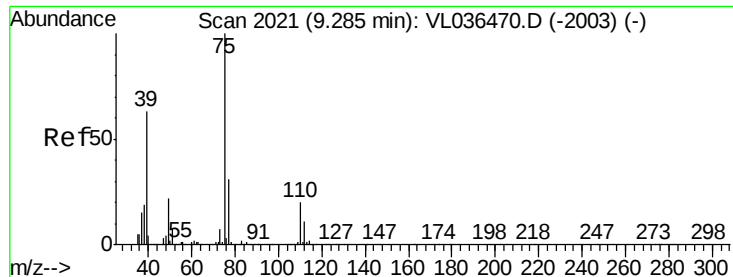
Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion: 57 Resp: 5268697

Ion	Ratio	Lower	Upper
57	100		
41	36.1	28.8	43.2
56	32.8	26.1	39.1

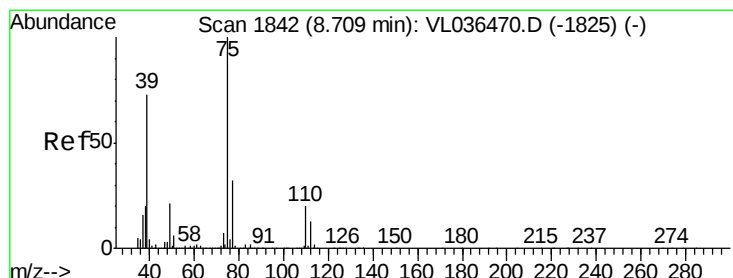
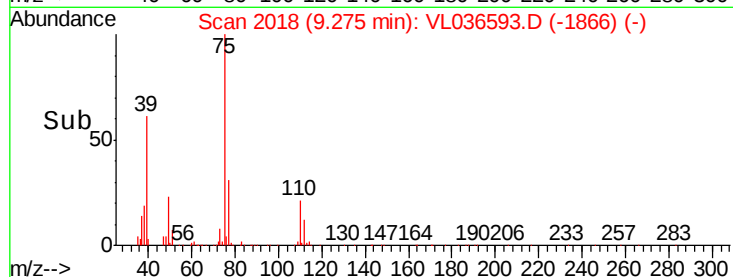
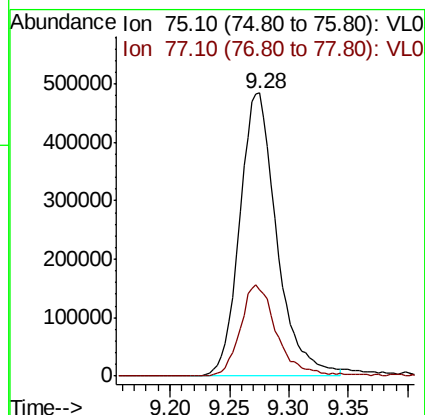
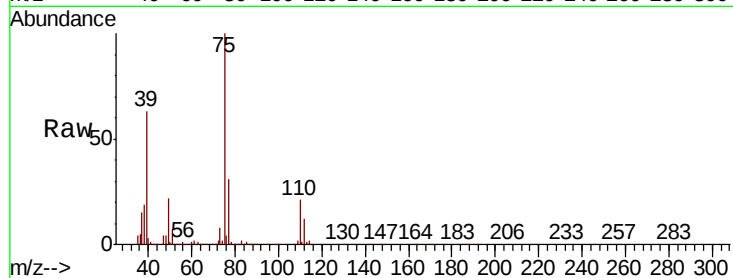




#45
t-1,3-Dichloropropene
Concen: 9.366 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

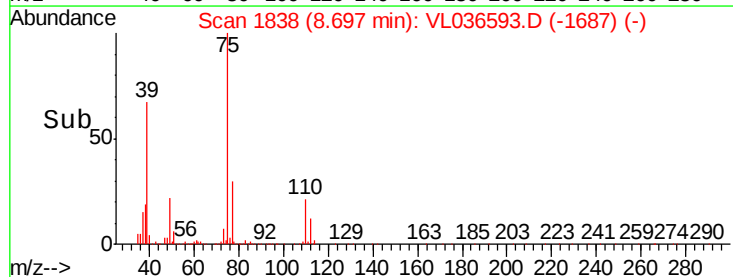
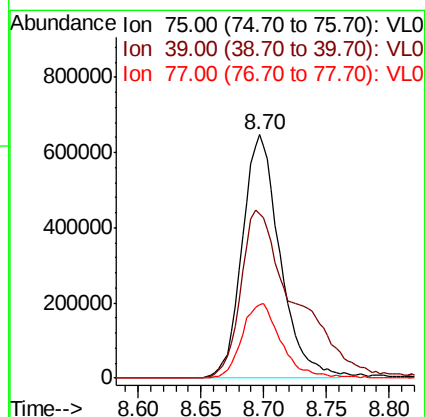
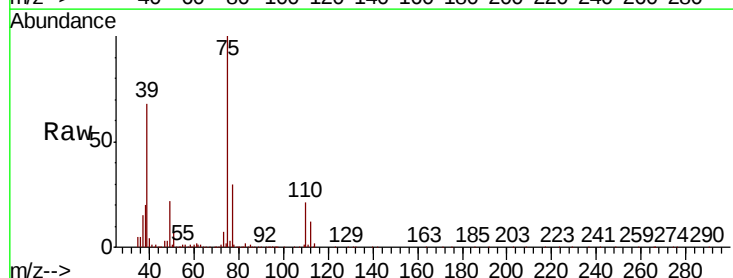
Instrument :
MSVOA_L
ClientSampled :

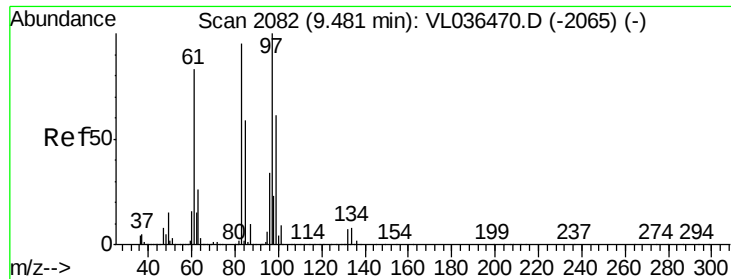
Tot Ion: 75 Resp: 1043403
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 9.494 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 75 Resp: 1352073
Ion Ratio Lower Upper
75 100
39 67.6 58.2 87.2
77 30.2 25.2 37.8



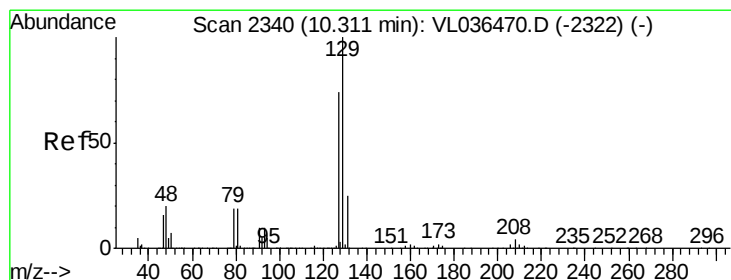
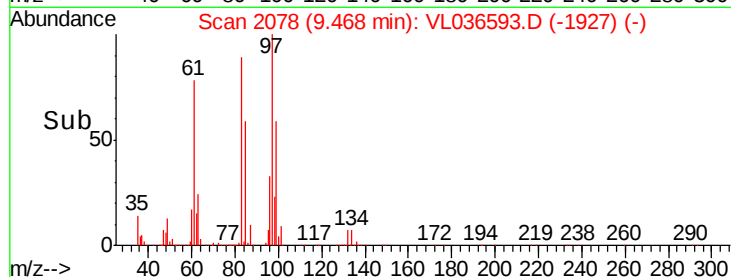
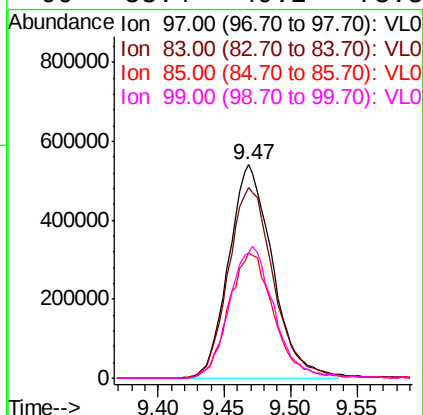
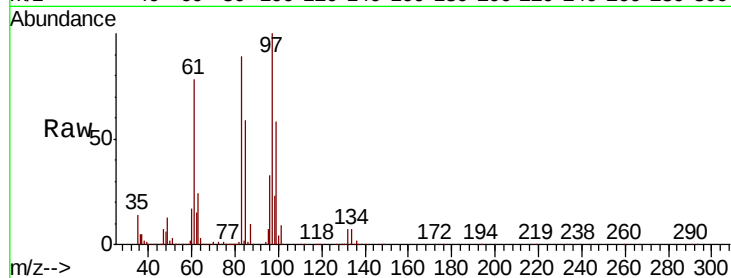


#47
 1,1,2-Trichloroethane
 Concen: 10.345 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1235010

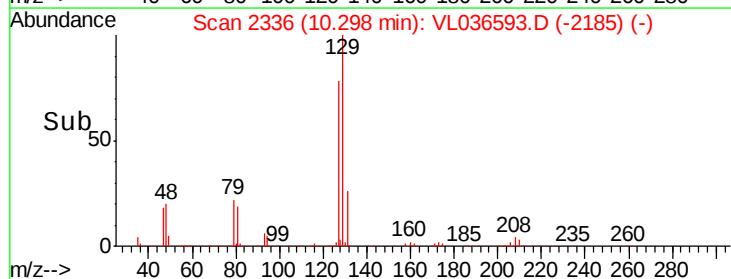
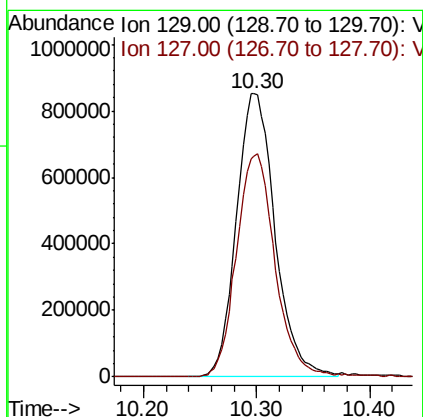
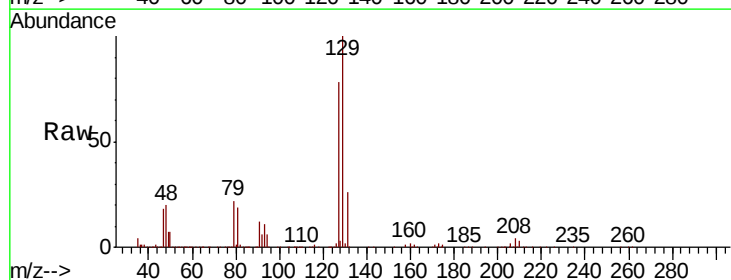
Ion	Ratio	Lower	Upper
97	100		
83	88.9	75.8	113.8
85	58.4	47.1	70.7
99	58.4	49.2	73.8

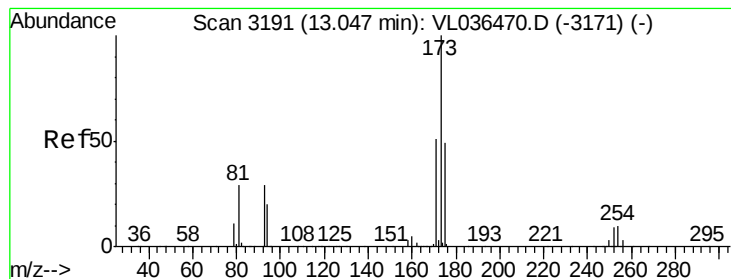


#48
 Dibromochloromethane
 Concen: 11.133 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion: 129 Resp: 2025990

Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.6	118.8





#49

Bromoform

Concen: 11.501 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

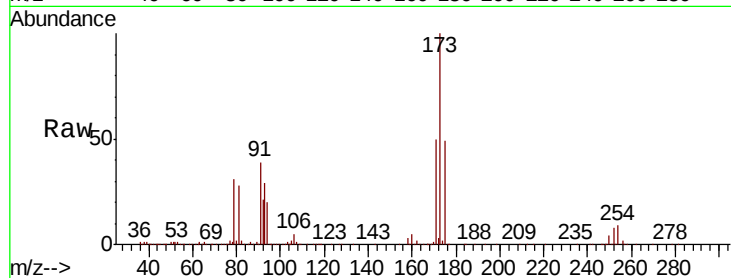
Tot Ion:173 Resp: 1686356

Ion Ratio Lower Upper

173 100

175 49.6 39.6 59.4

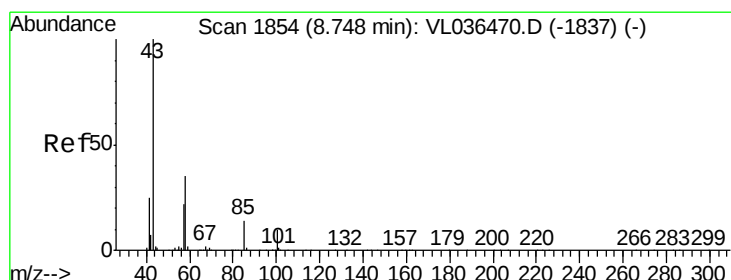
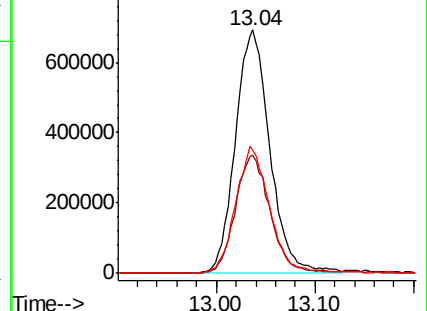
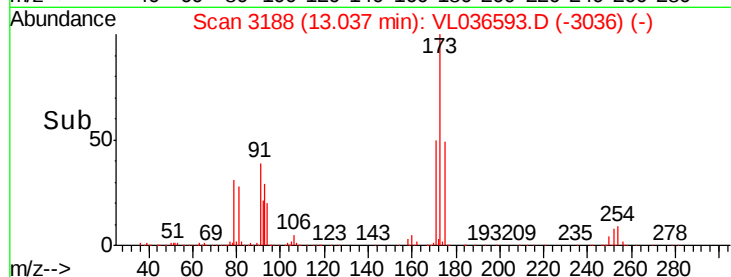
171 51.8 41.4 62.0



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: 10.181 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL036593.D

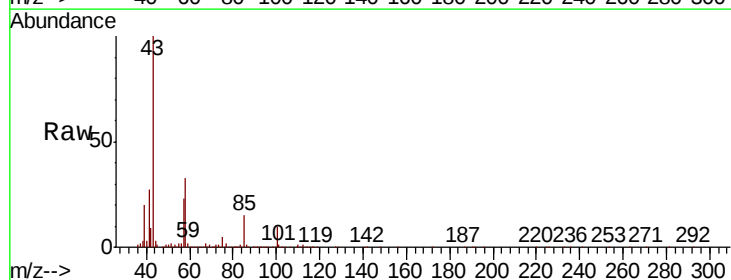
Acq: 31 Mar 2021 7:45

Tgt Ion: 43 Resp: 2265410

Ion Ratio Lower Upper

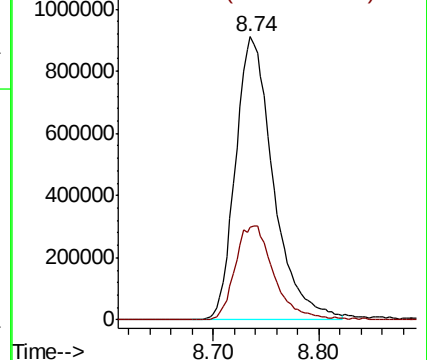
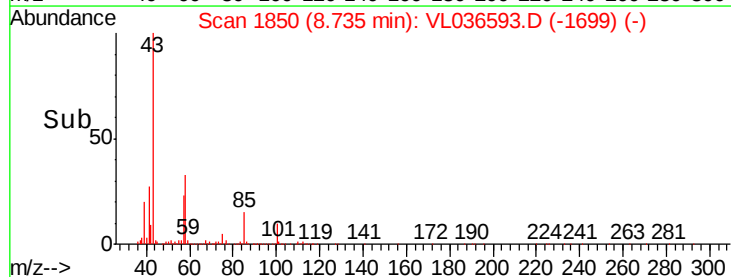
43 100

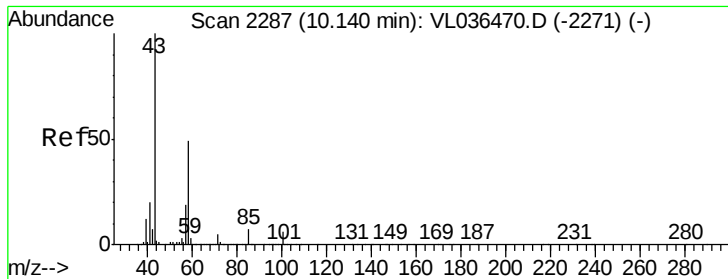
58 34.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.668 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

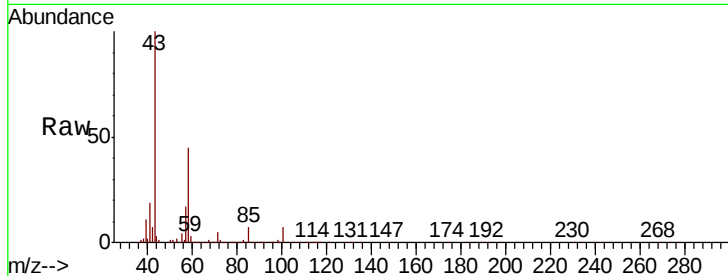
Tot Ion: 43 Resp: 1197948

Ion Ratio Lower Upper

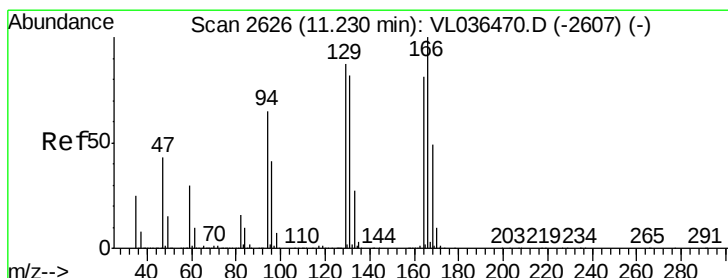
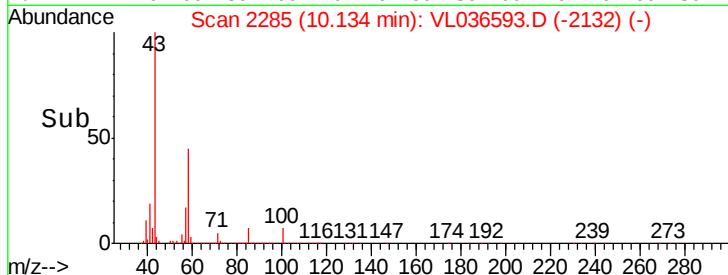
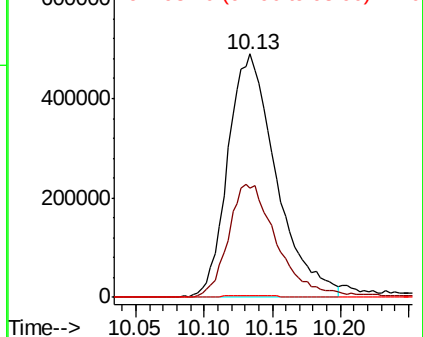
43 100

58 48.2 37.7 56.5

98 0.8 0.2 0.2#



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: 9.795 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion: 164 Resp: 1047964

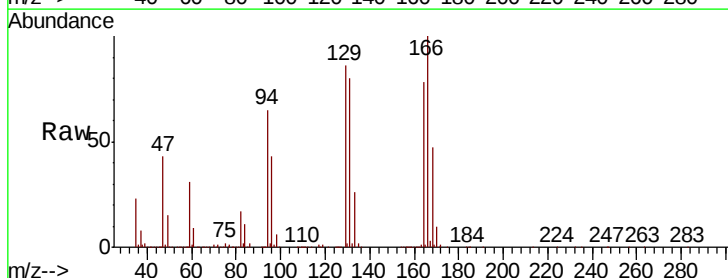
Ion Ratio Lower Upper

164 100

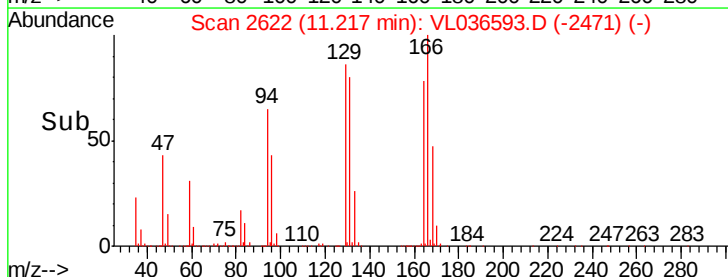
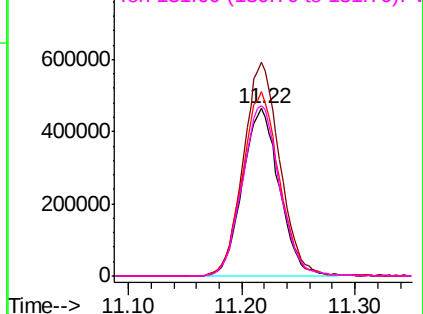
166 127.4 98.3 147.5

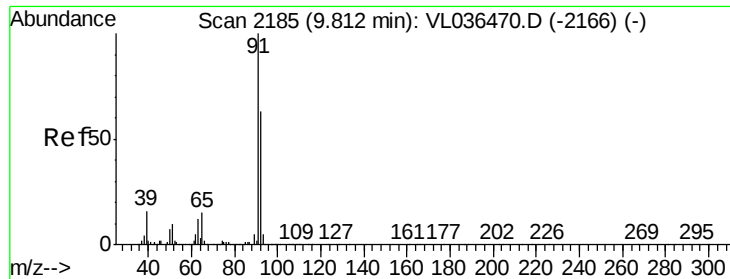
129 109.8 85.8 128.8

131 101.6 80.9 121.3



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: 11.038 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

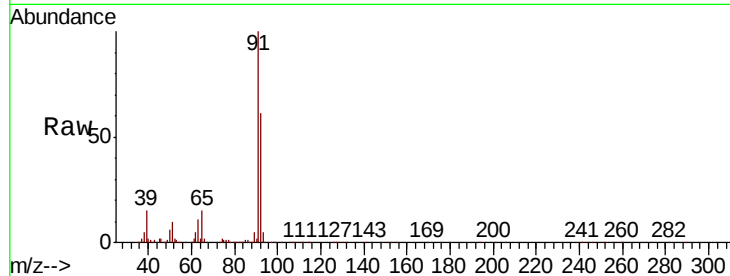
ClientSampleId :

Tot Ion: 91 Resp: 3415323

Ion Ratio Lower Upper

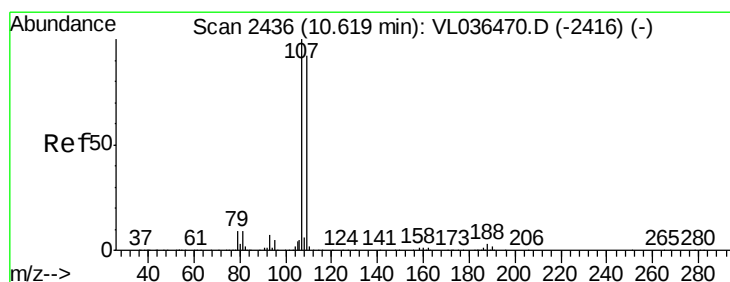
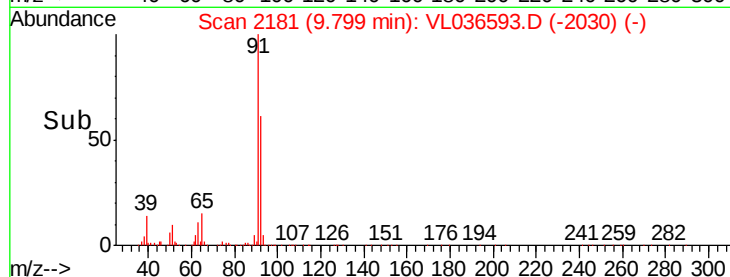
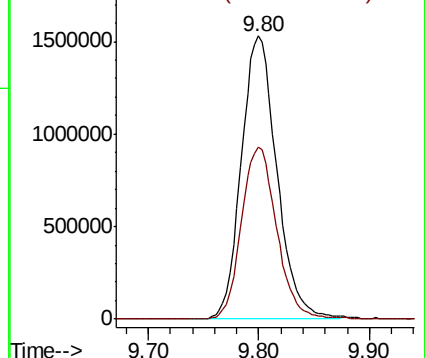
91 100

92 61.0 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: 10.450 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036593.D

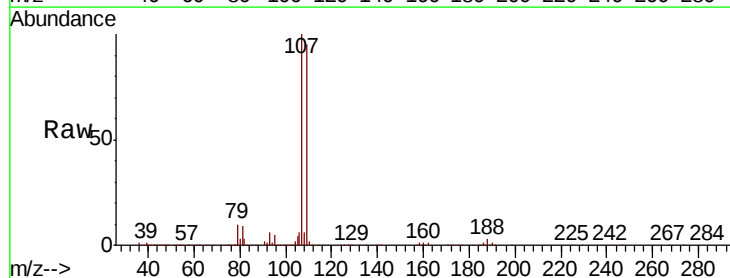
Acq: 31 Mar 2021 7:45

Tgt Ion:107 Resp: 1761853

Ion Ratio Lower Upper

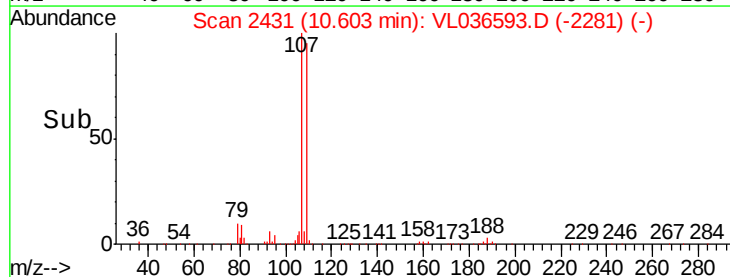
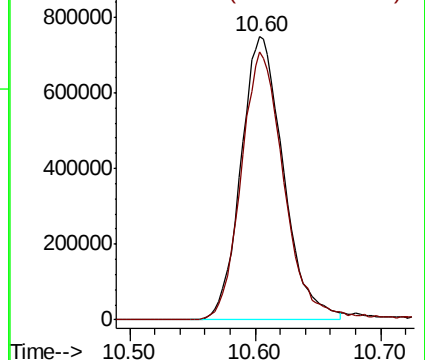
107 100

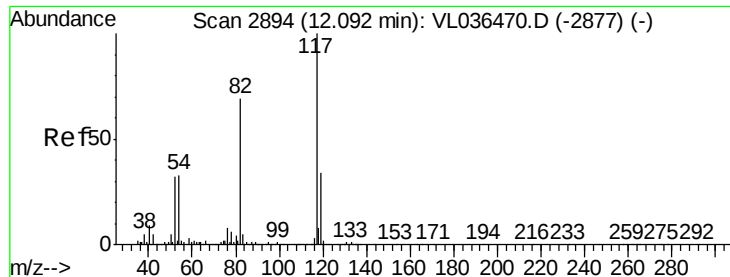
109 94.7 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

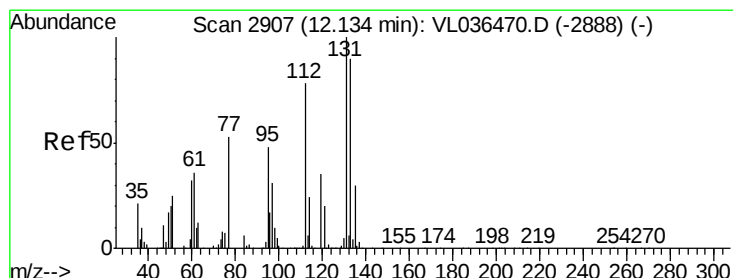
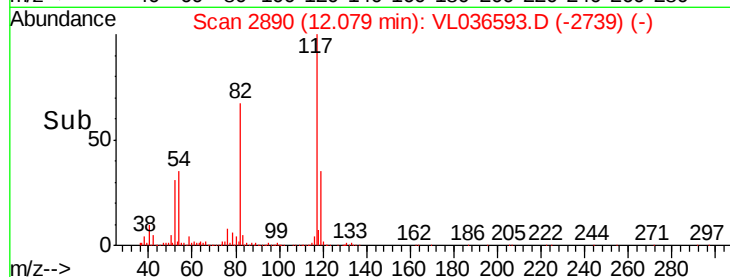
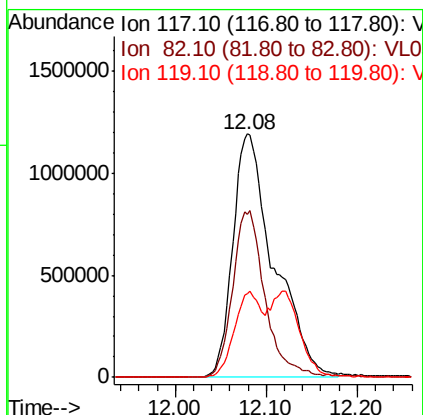
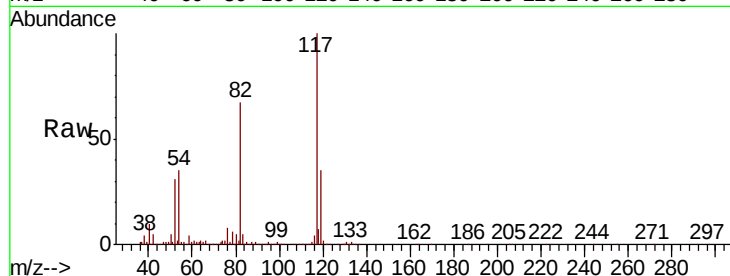




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

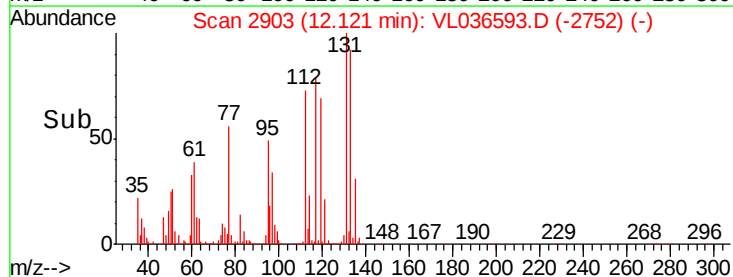
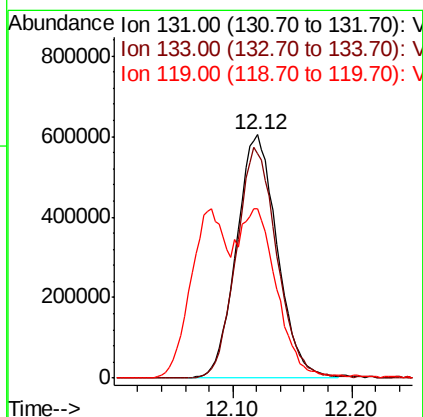
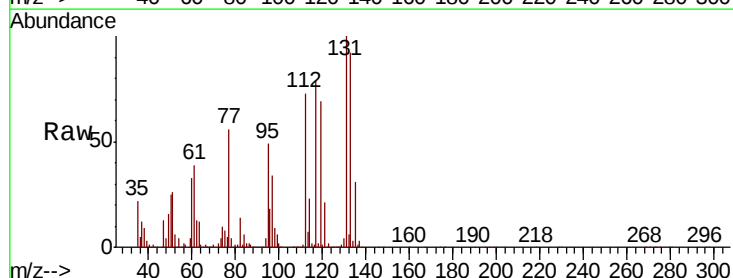
Instrument :
MSVOA_L
ClientSampleId :

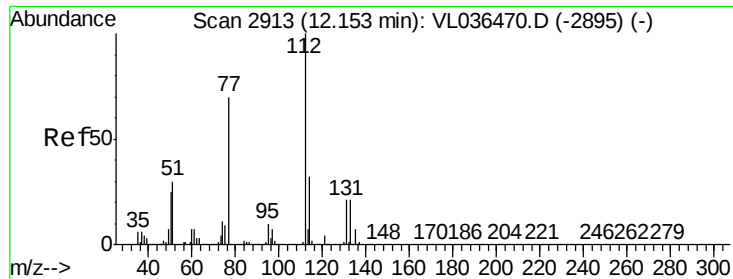
Tot Ion:117 Resp: 3761451
Ion Ratio Lower Upper
117 100
82 54.1 57.4 86.0#
119 23.4 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.424 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion:131 Resp: 1433180
Ion Ratio Lower Upper
131 100
133 95.3 75.8 113.6
119 71.9 48.7 73.1

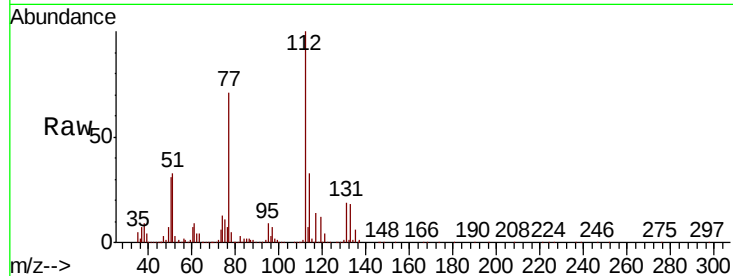




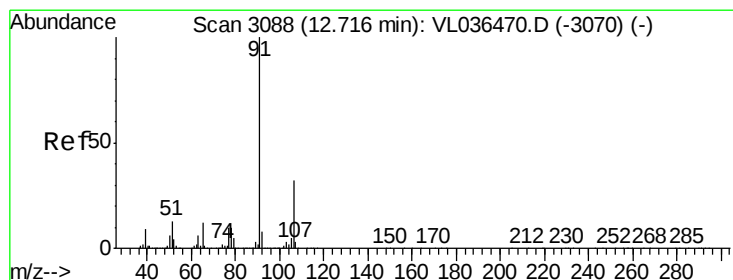
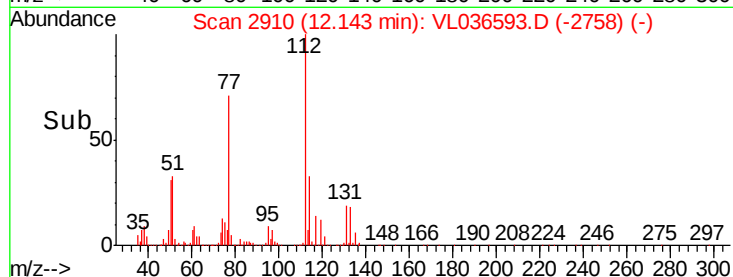
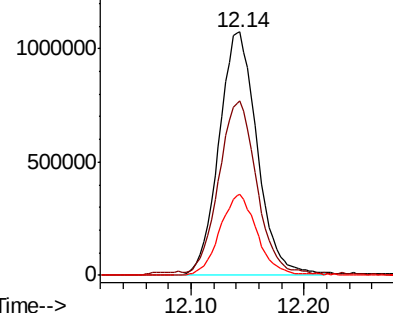
#57
Chlorobenzene
Concen: 7.877 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 2520965
Ion Ratio Lower Upper
112 100
77 70.4 56.0 84.0
114 33.0 29.0 35.4

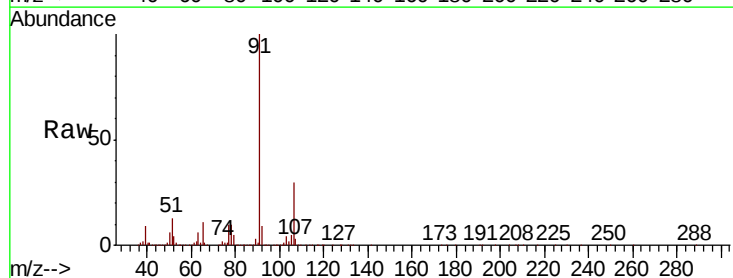


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

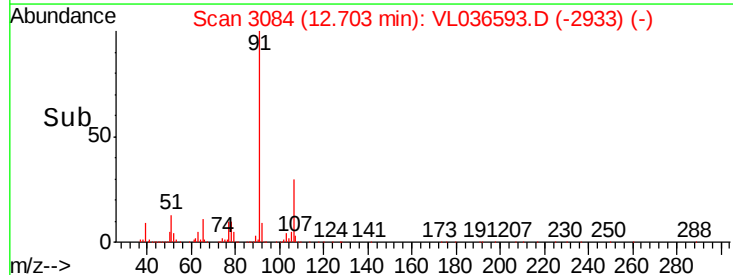
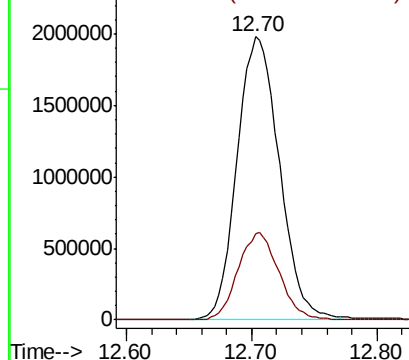


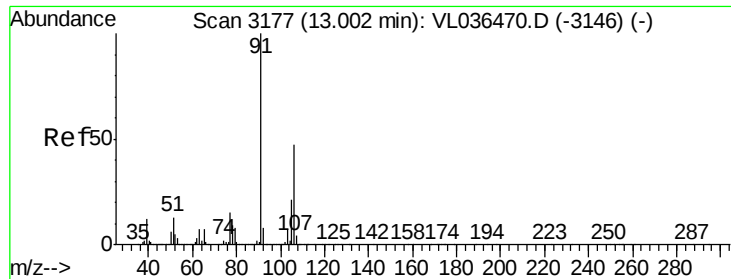
#58
Ethyl Benzene
Concen: 8.467 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 91 Resp: 4633247
Ion Ratio Lower Upper
91 100
106 30.4 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

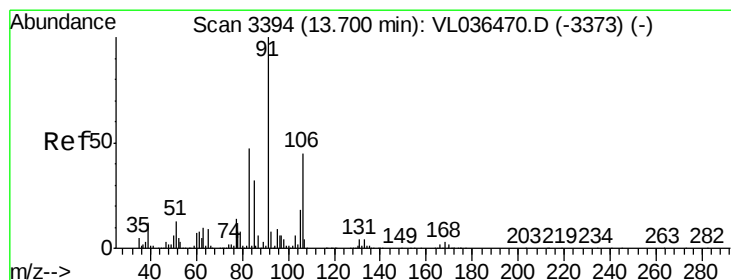
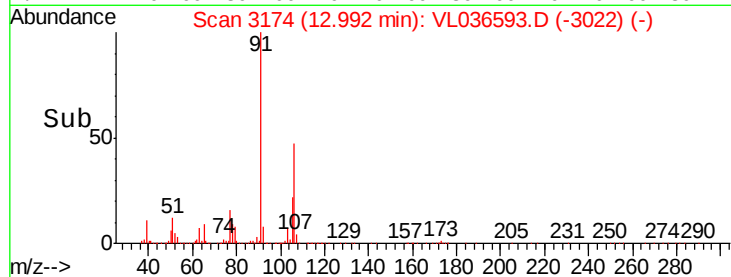
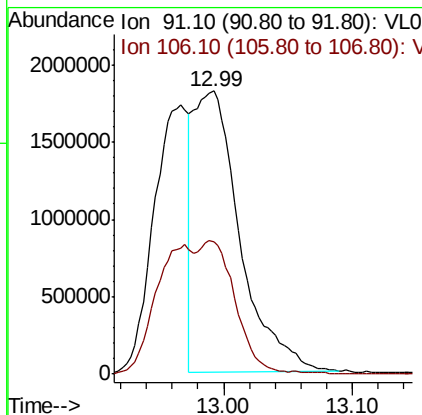
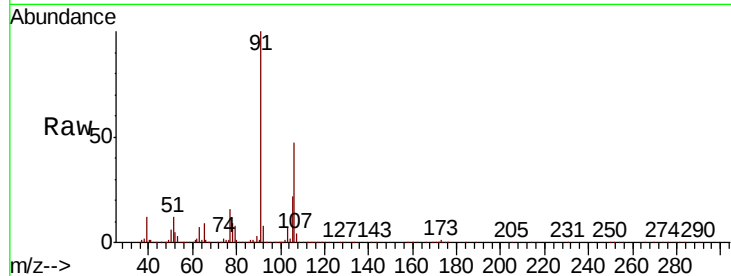




#59
m/p-Xylene
Concen: 9.490 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

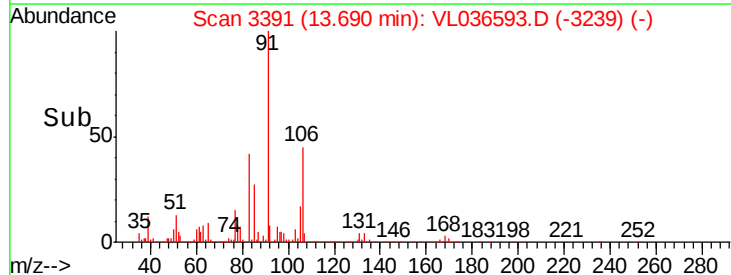
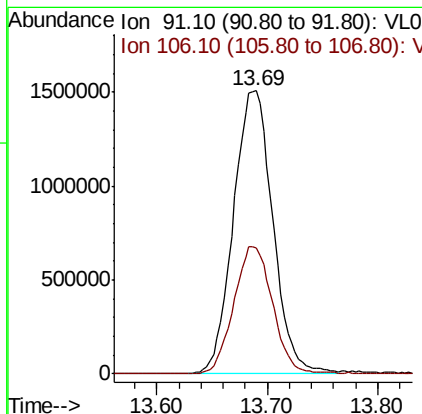
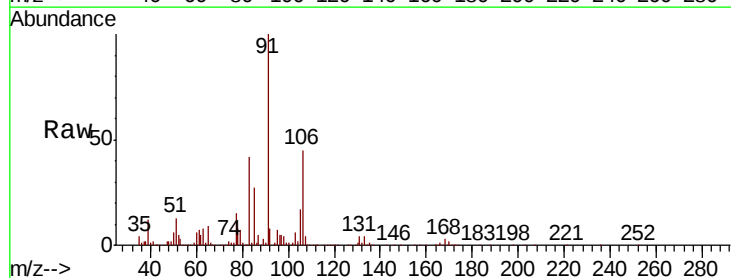
Instrument :
MSVOA_L
ClientSampled :

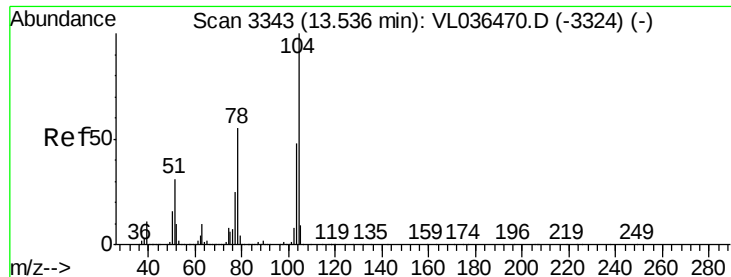
Tot Ion: 91 Resp: 4529535
Ion Ratio Lower Upper
91 100
106 76.0 35.3 52.9#



#60
o-Xylene
Concen: 8.069 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion: 91 Resp: 3724047
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9

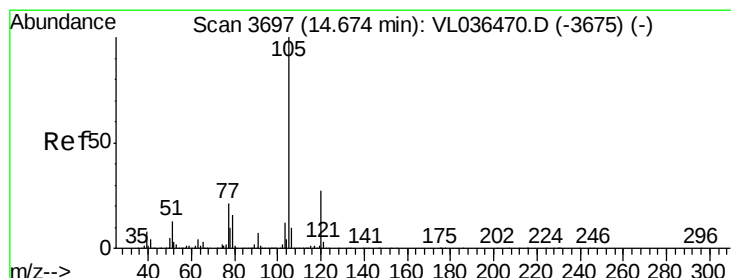
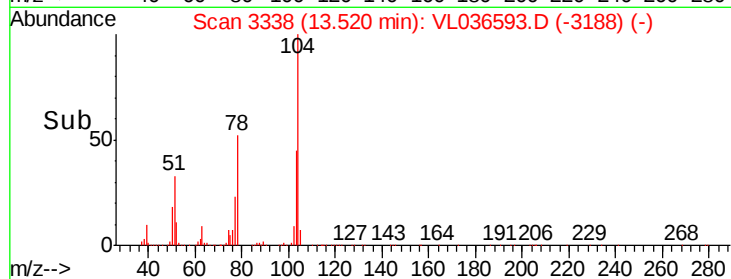
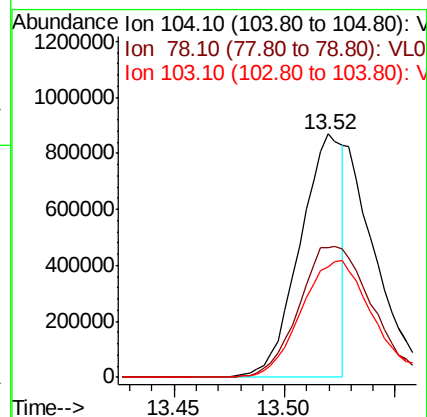
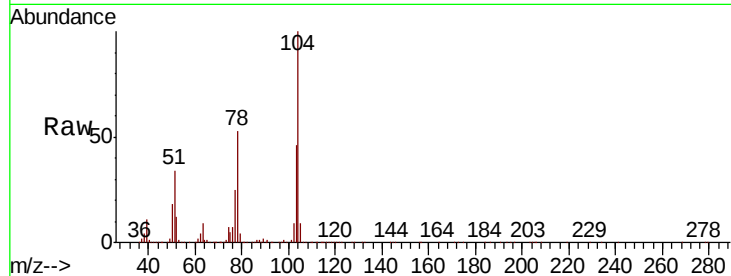




#61
Stvrene
Concen: 5.019 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

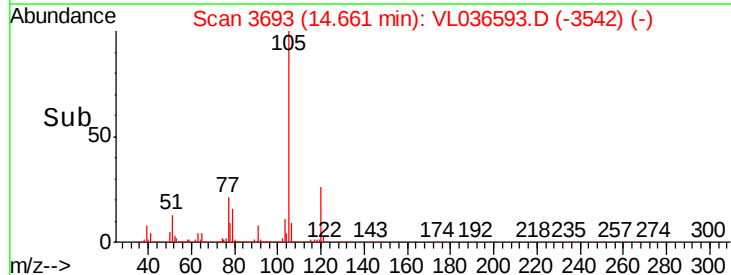
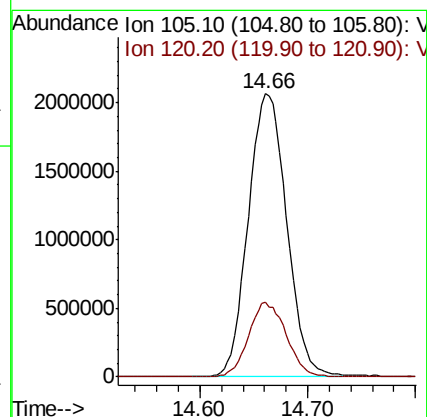
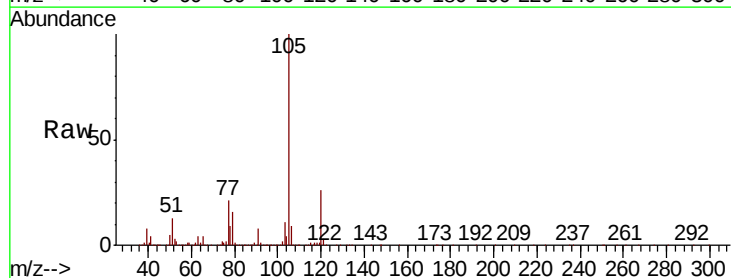
Instrument :
MSVOA_L
ClientSampled :

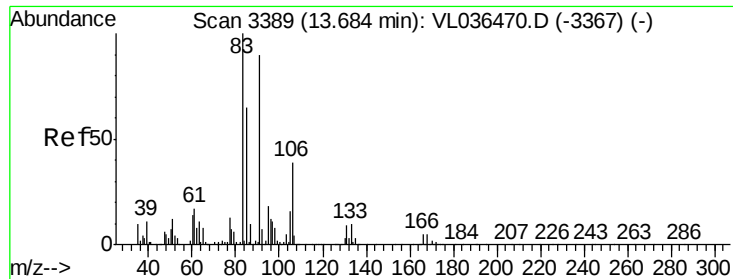
Tot Ion:104 Resp: 1165348
Ion Ratio Lower Upper
104 100
78 94.6 43.8 65.8#
103 82.7 38.3 57.5#



#62
Isopropylbenzene
Concen: 8.237 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL036593.D
Acq: 31 Mar 2021 7:45

Tgt Ion:105 Resp: 5119331
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.662 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

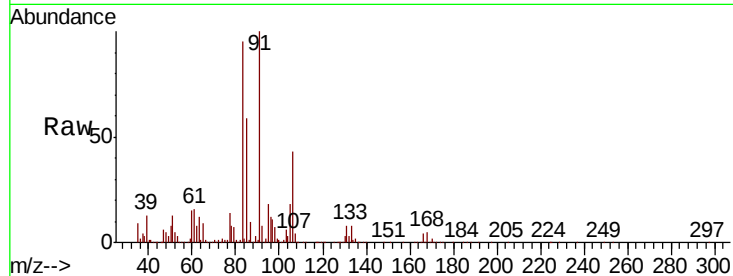
Tot Ion: 83 Resp: 2697516

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

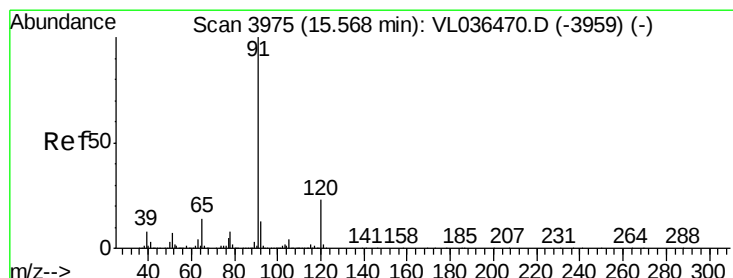
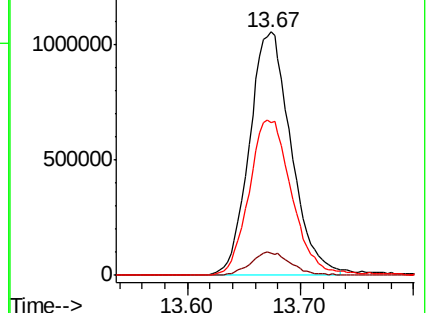
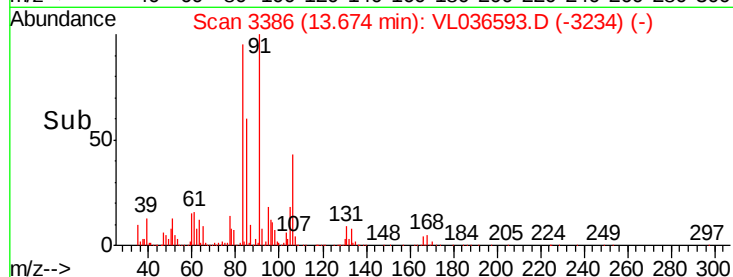
85 66.6 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.777 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL036593.D

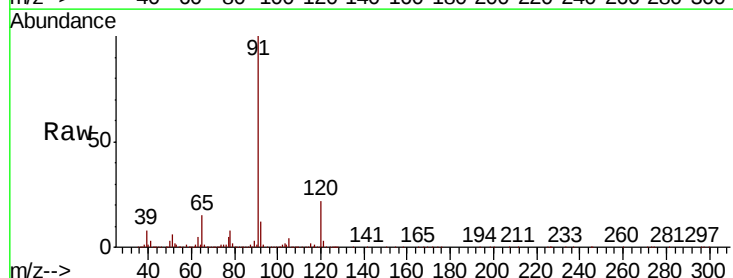
Acq: 31 Mar 2021 7:45

Tgt Ion: 120 Resp: 1333730

Ion Ratio Lower Upper

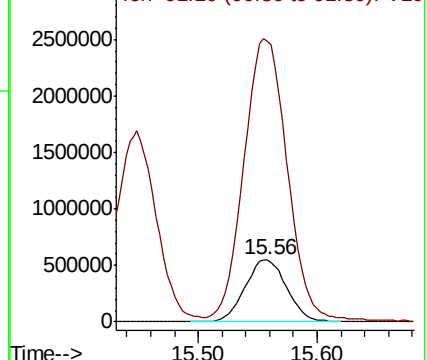
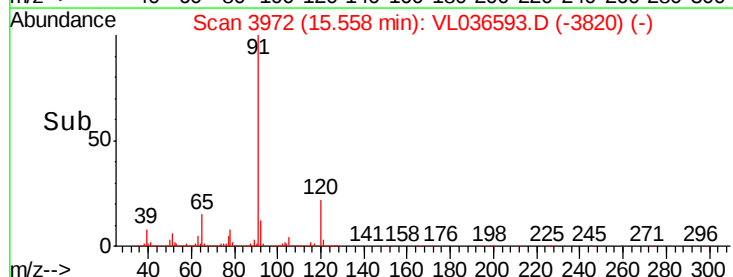
120 100

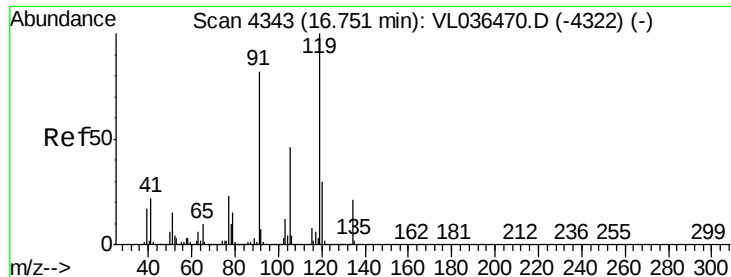
91 478.5 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.228 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampleId :

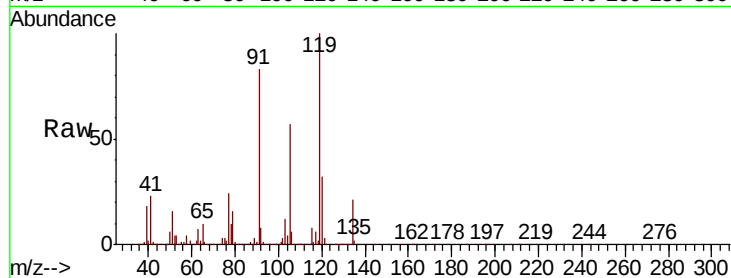
Tot Ion:119 Resp: 4434344

Ion Ratio Lower Upper

119 100

91 85.7 67.5 101.3

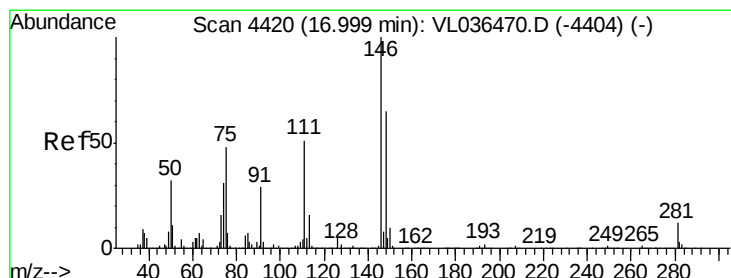
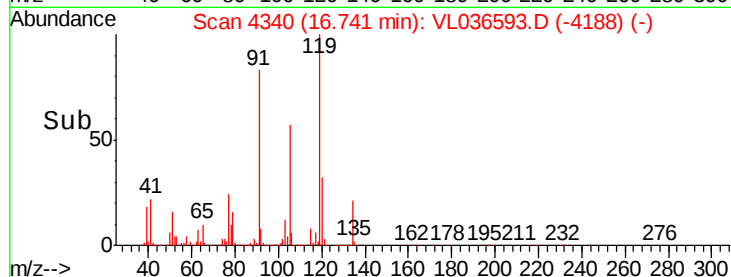
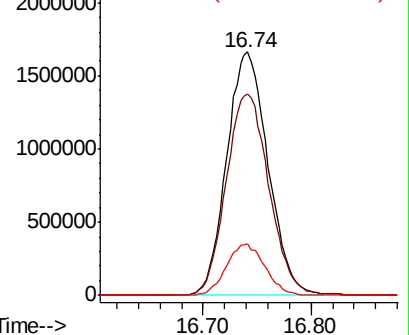
134 19.9 15.8 23.8



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: 4.587 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.02 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

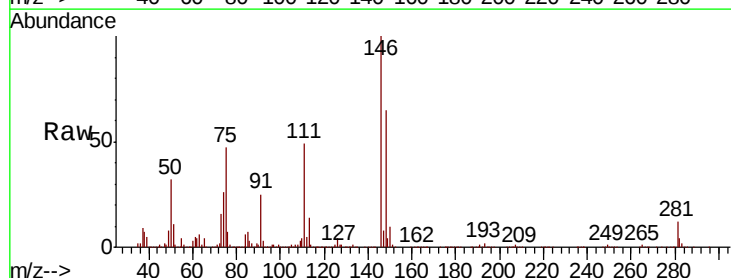
Tgt Ion: 91 Resp: 273267

Ion Ratio Lower Upper

91 100

126 30.1 13.5 20.3#

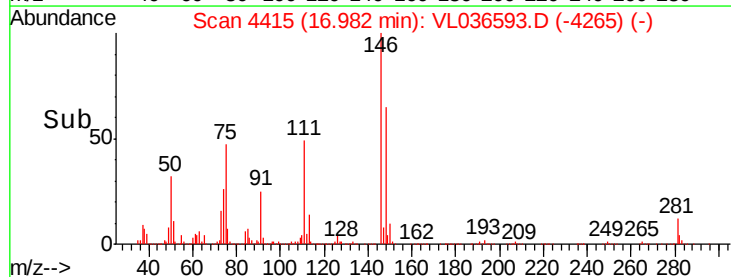
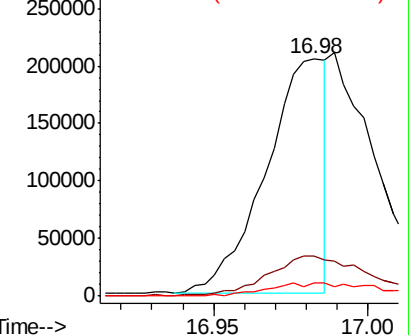
128 0.0 4.2 6.4#

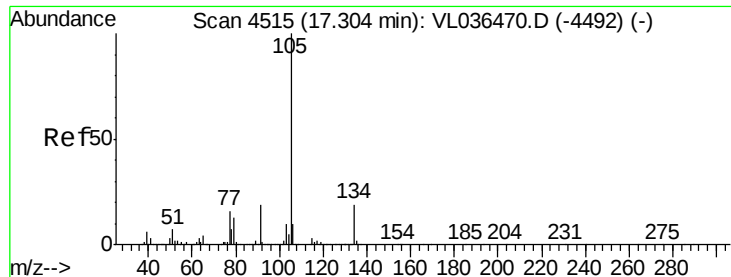


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.245 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

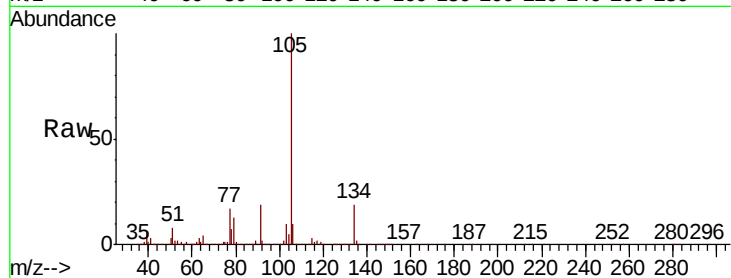
ClientSampled :

Tot Ion:105 Resp: 6271883

Ion Ratio Lower Upper

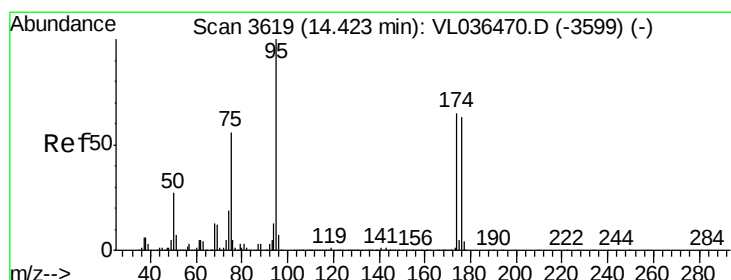
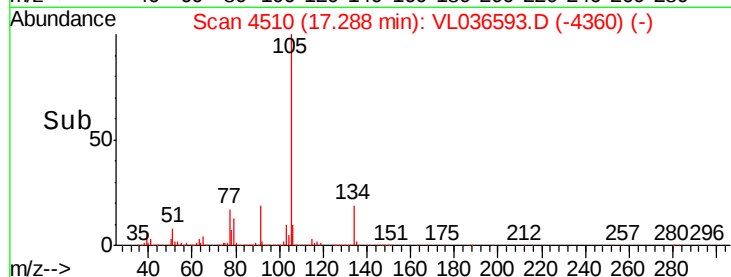
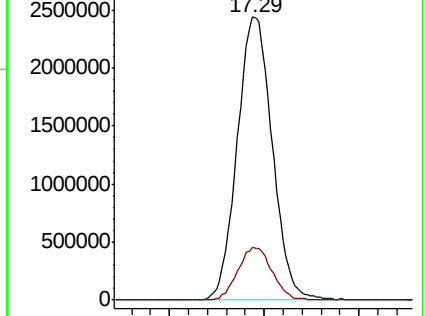
105 100

134 18.2 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: 8.405 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

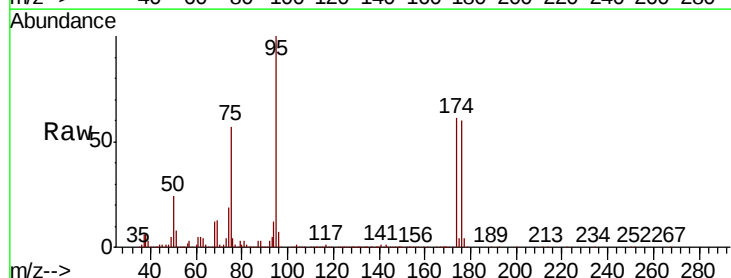
Tgt Ion: 95 Resp: 2519805

Ion Ratio Lower Upper

95 100

174 61.8 51.0 76.6

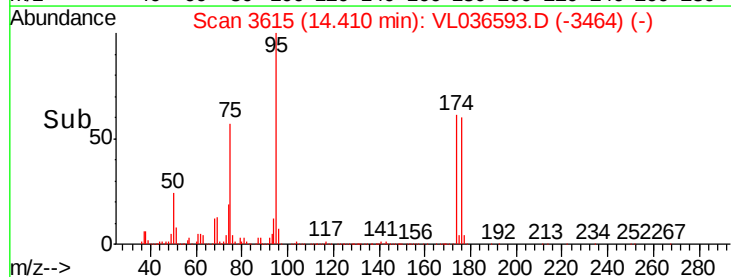
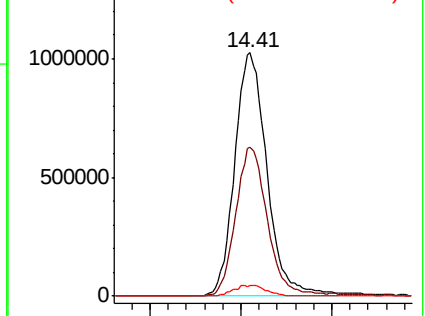
175 4.7 3.9 5.9

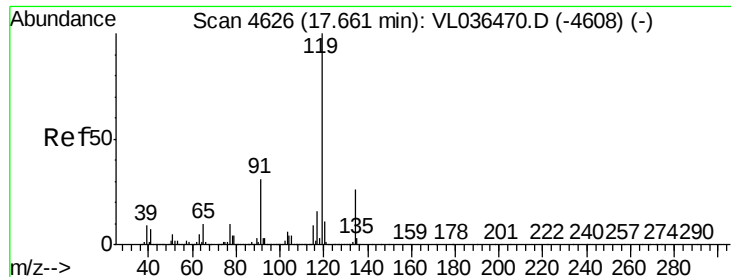


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.690 ppbv

RT: 17.65 min Scan# 4622

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampled :

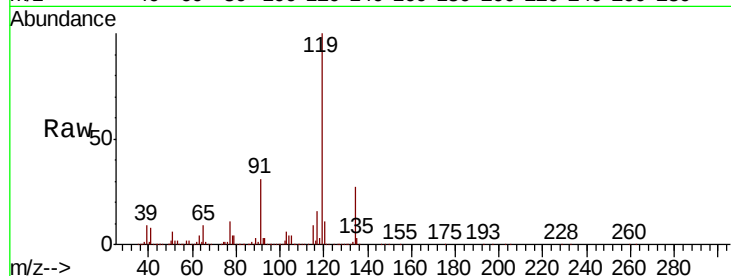
Tot Ion: 119 Resp: 5162385

Ion Ratio Lower Upper

119 100

134 25.8 20.6 30.8

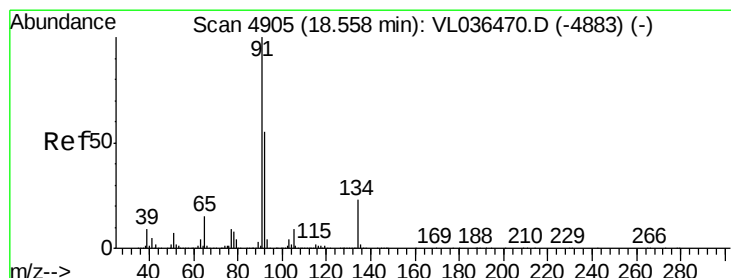
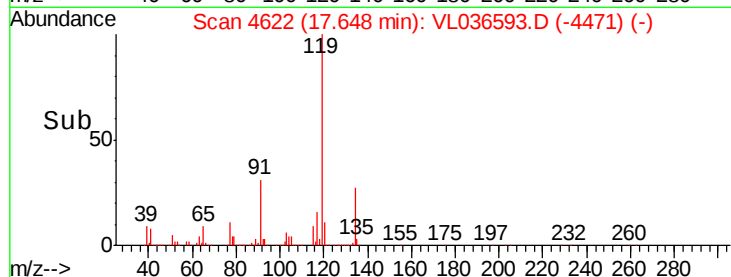
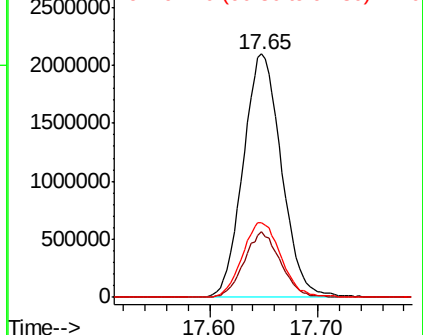
91 31.2 25.0 37.6



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: 8.706 ppbv

RT: 18.55 min Scan# 4901

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

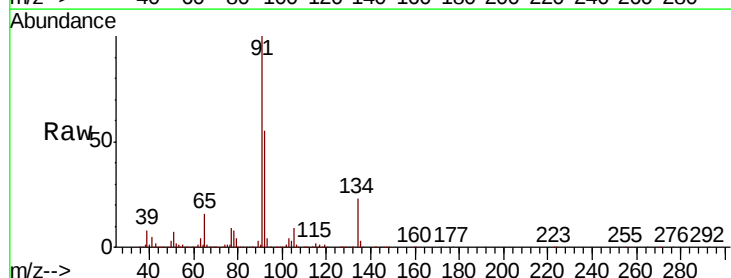
Tgt Ion: 91 Resp: 5362249

Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

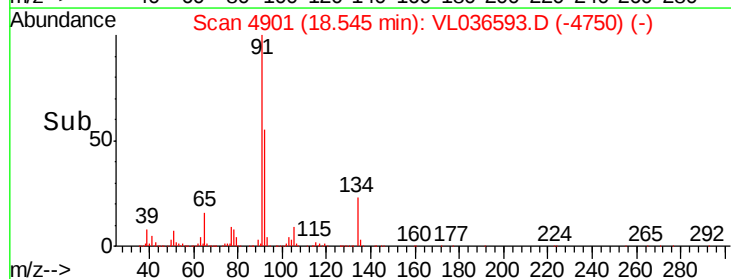
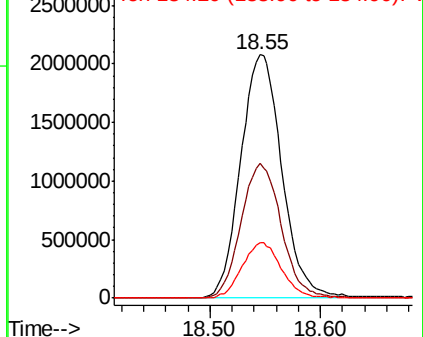
134 22.1 18.0 27.0

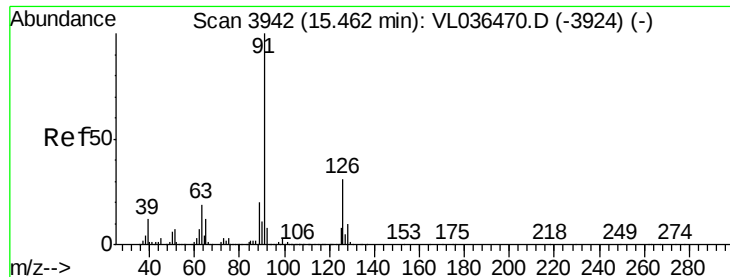


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

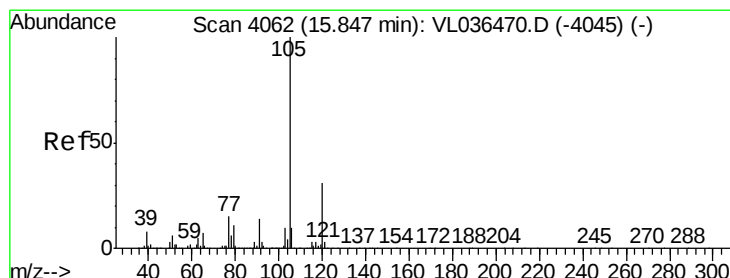
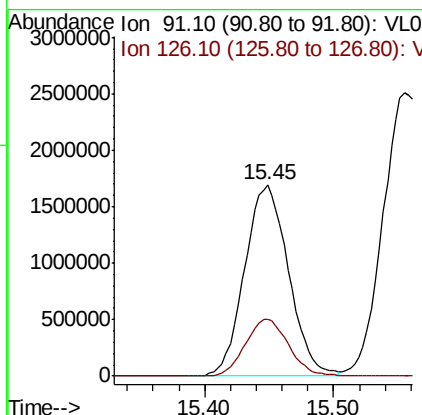
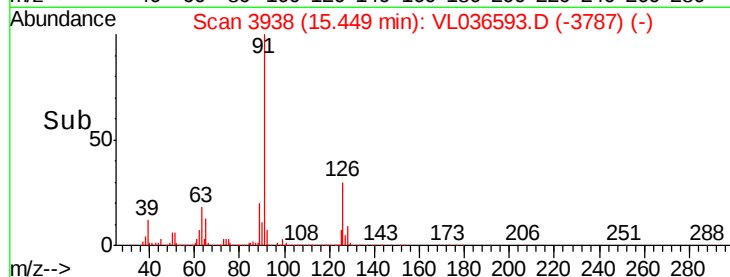
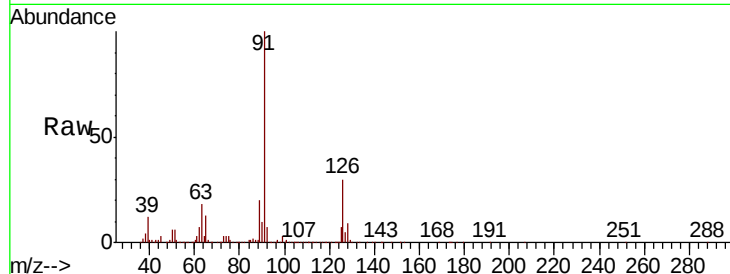




#71
 2-Chlorotoluene
 Concen: 8.599 ppbv
 RT: 15.45 min Scan# 3938
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

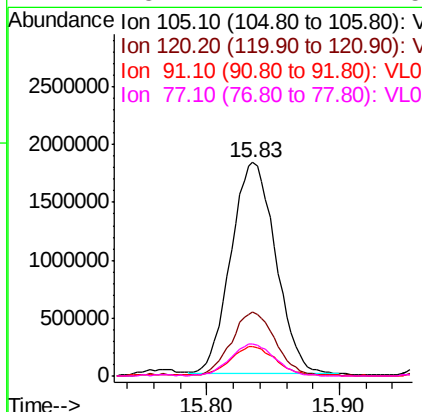
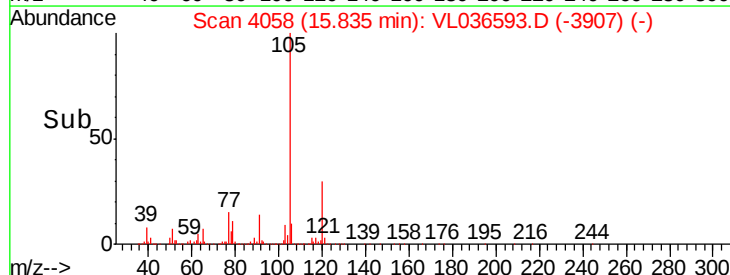
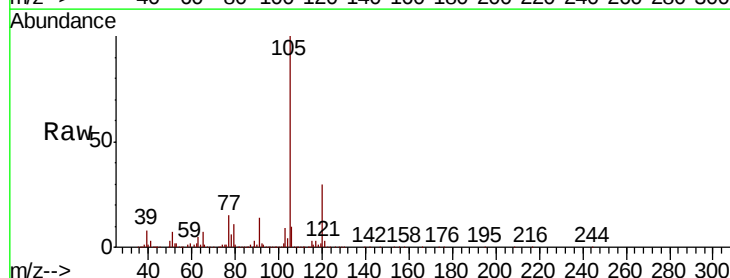
Instrument :
 MSVOA_L
 ClientSampled :

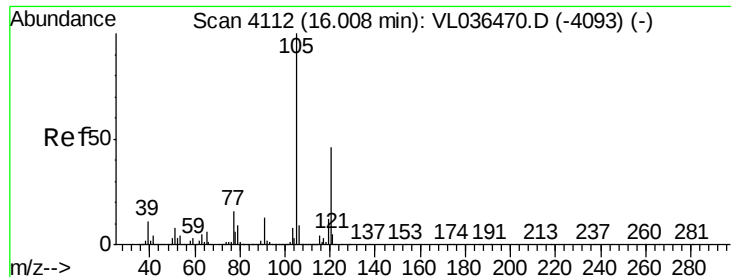
Tot Ion: 91 Resp: 4004748
 Ion Ratio Lower Upper
 91 100
 126 30.2 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 8.509 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion: 105 Resp: 4302958
 Ion Ratio Lower Upper
 105 100
 120 30.0 24.0 36.0
 91 13.7 11.0 16.4
 77 15.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.387 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

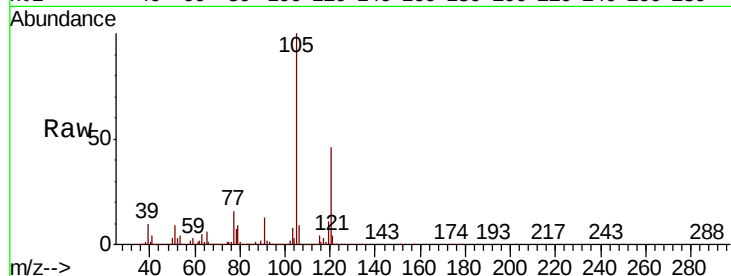
ClientSampleId :

Tot Ion:105 Resp: 3958438

Ion Ratio Lower Upper

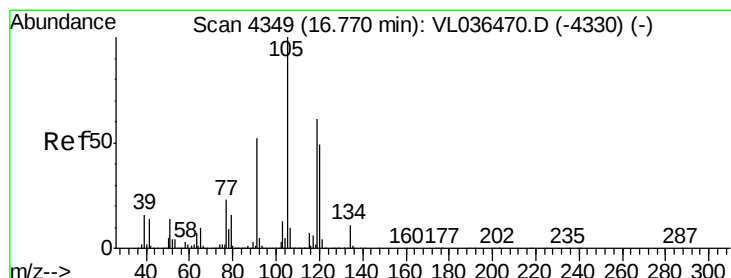
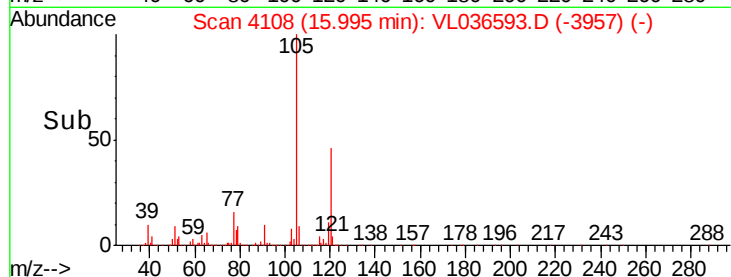
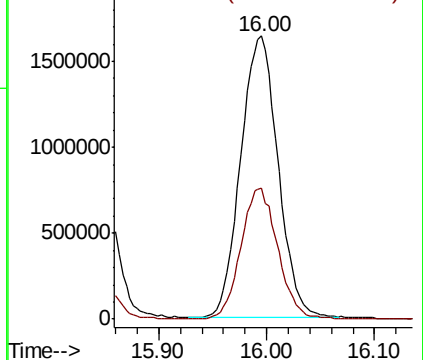
105 100

120 46.2 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: 8.141 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Tgt Ion:105 Resp: 4112348

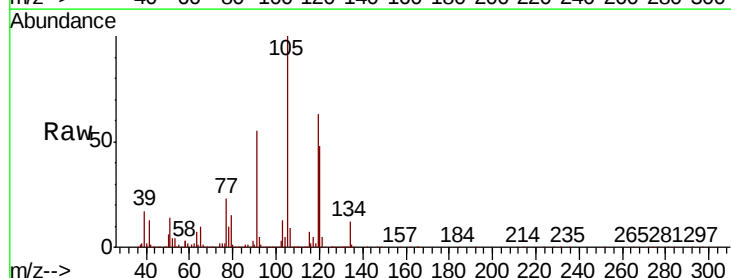
Ion Ratio Lower Upper

105 100

120 48.2 39.2 58.8

91 54.3 42.6 64.0

77 23.1 18.6 28.0

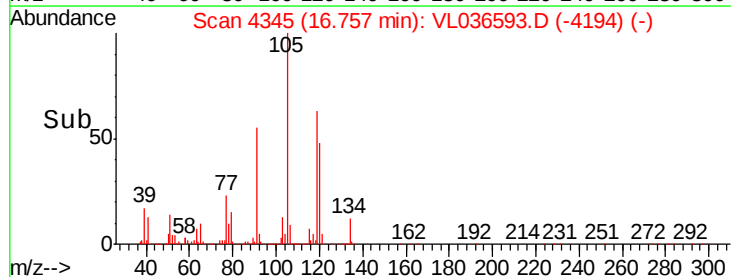
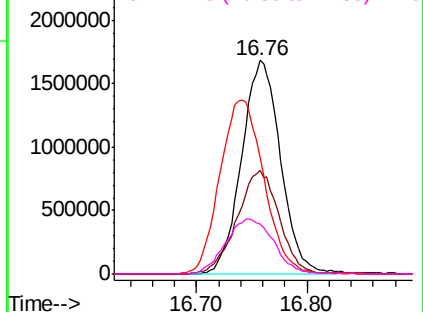


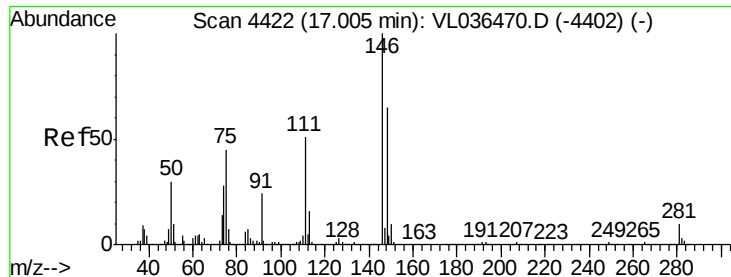
Abundance Ion 105.10 (104.80 to 105.80): V

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

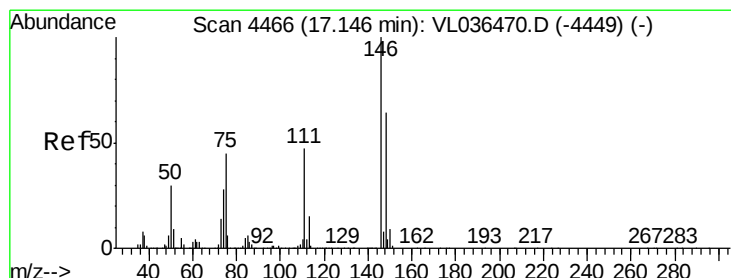
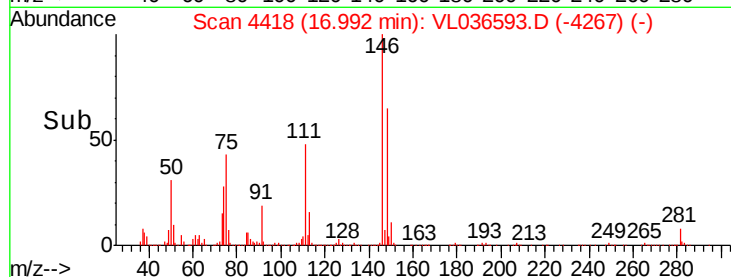
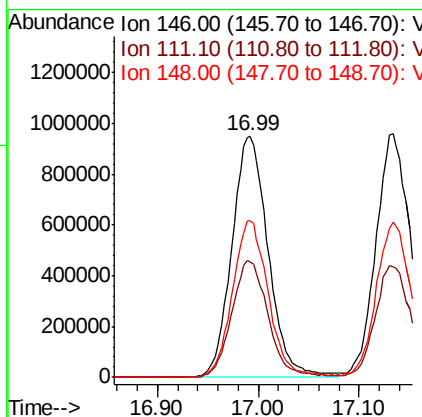
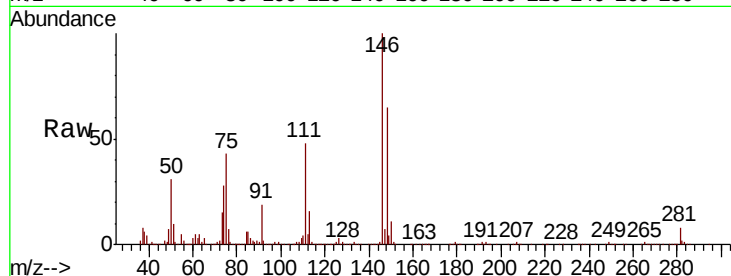




#75
 1,3-Dichlorobenzene
 Concen: 8.349 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

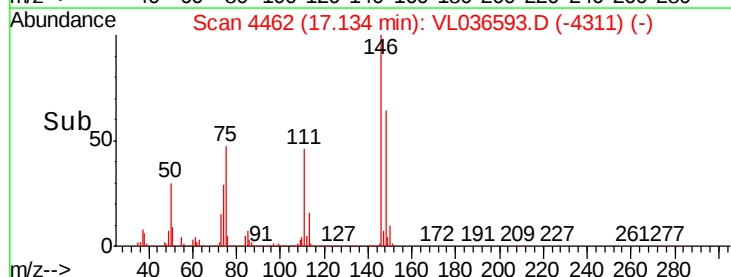
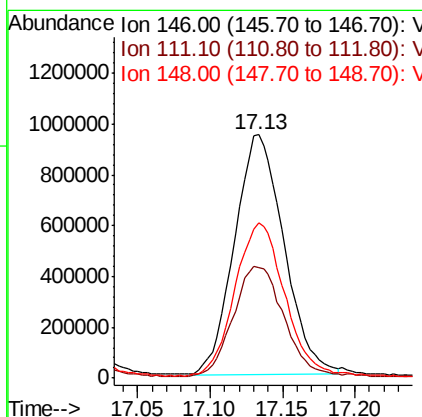
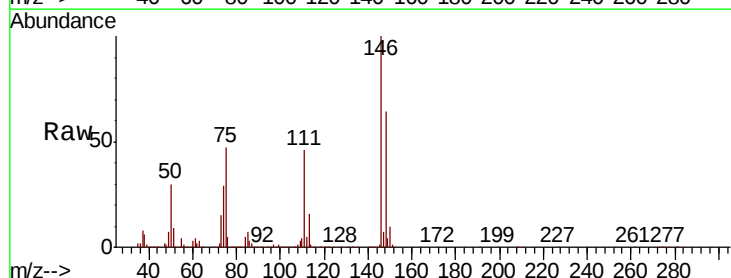
Instrument :
 MSVOA_L
 ClientSampleId :

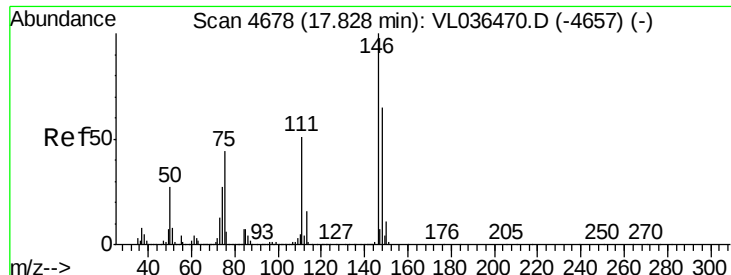
Tot Ion:146 Resp: 2373592
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.5 73.5
 148 64.2 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 7.966 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion:146 Resp: 2248563
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.3 72.8
 148 66.9 33.0 98.9

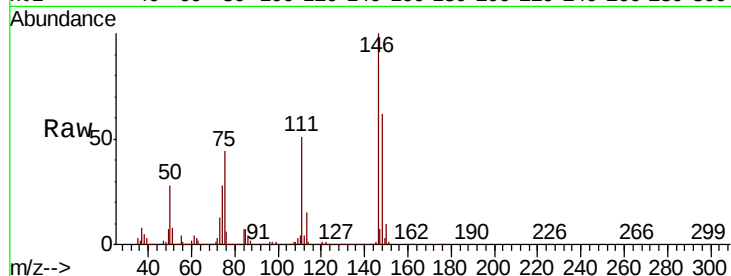




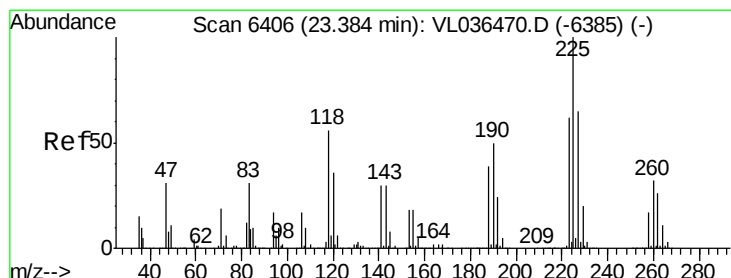
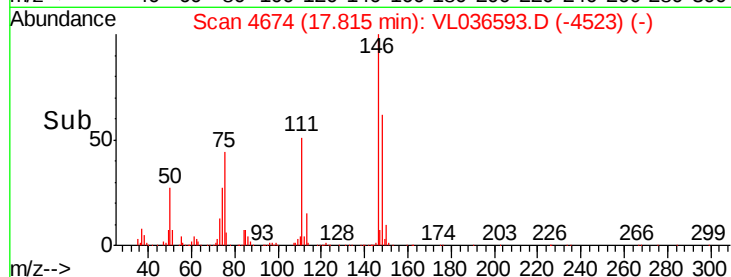
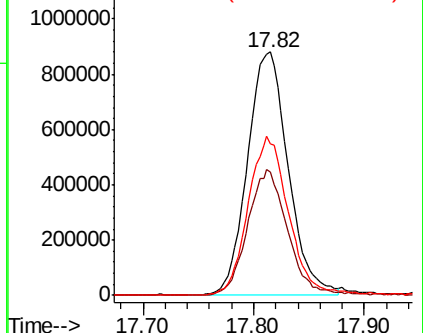
#77
 1,2-Dichlorobenzene
 Concen: 8.417 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2249321
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.5 76.5
 148 65.1 32.9 98.6

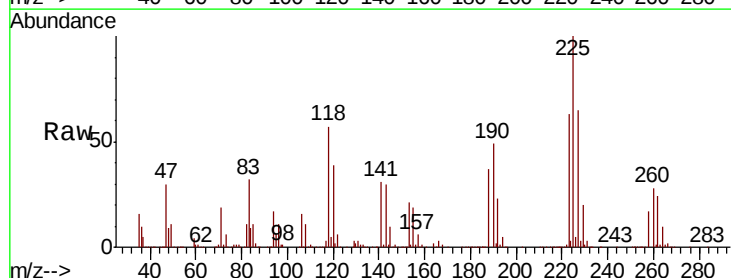


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

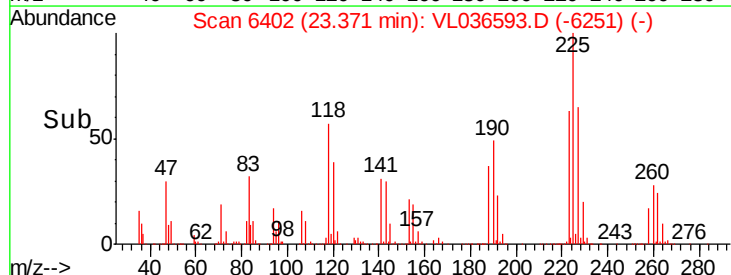
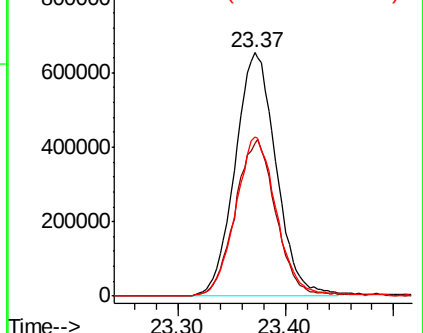


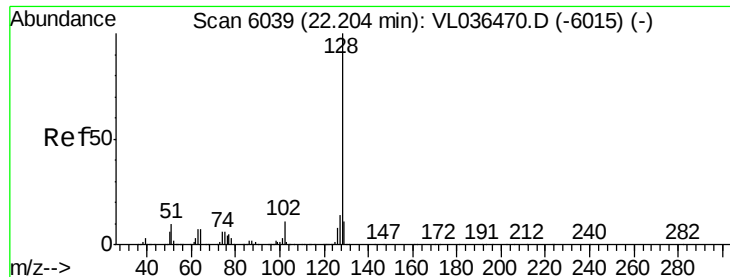
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.198 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. -0.01 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Tgt Ion:225 Resp: 1722832
 Ion Ratio Lower Upper
 225 100
 223 64.9 50.6 75.8
 227 65.9 52.2 78.2



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: 8.748 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. -0.01 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

Instrument :

MSVOA_L

ClientSampled :

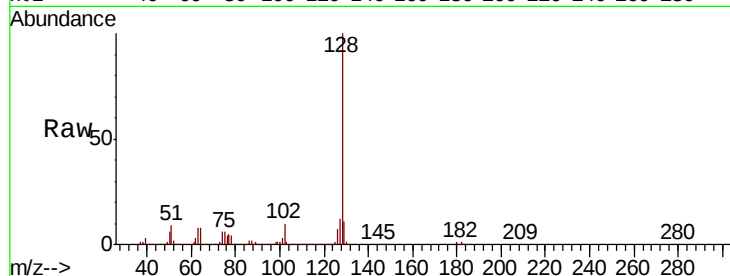
Tot Ion:128 Resp: 2578501

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.9	16.3
129	10.9	9.0	13.4

128 100

127 12.3 10.9 16.3

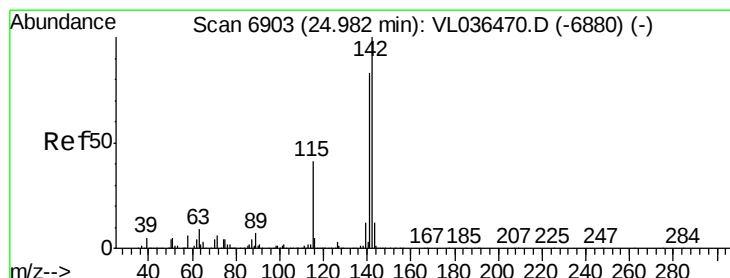
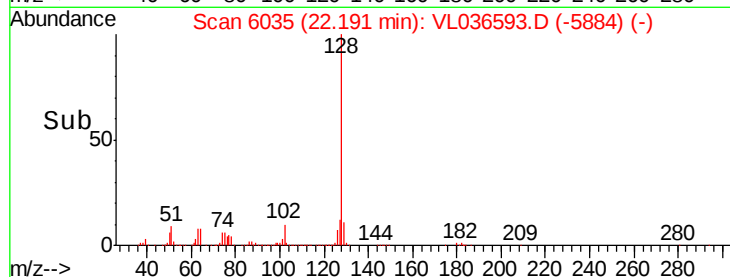
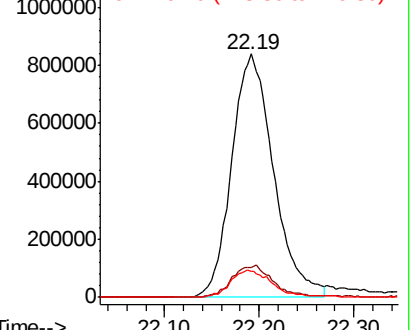
129 10.9 9.0 13.4



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: 5.952 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. -0.00 min

Lab File: VL036593.D

Acq: 31 Mar 2021 7:45

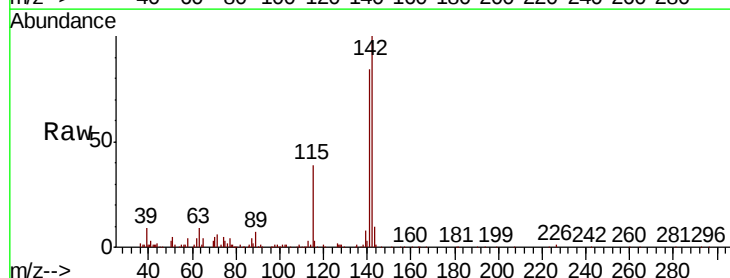
Tgt Ion:142 Resp: 345929

Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.8	101.8
115	43.0	34.0	51.0

142 100

141 86.1 67.8 101.8

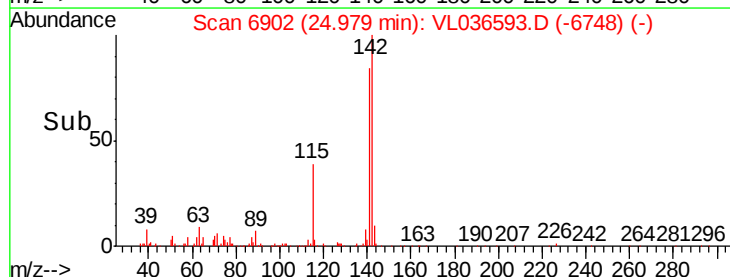
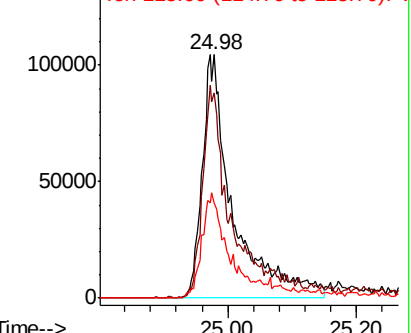
115 43.0 34.0 51.0

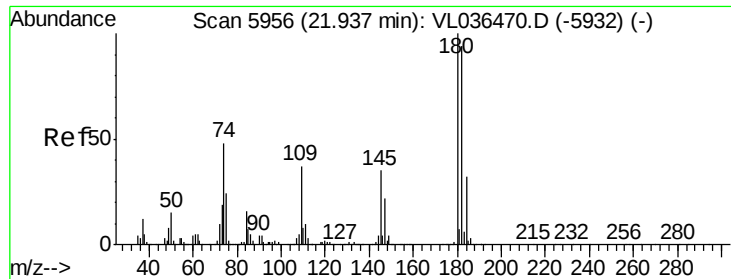


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

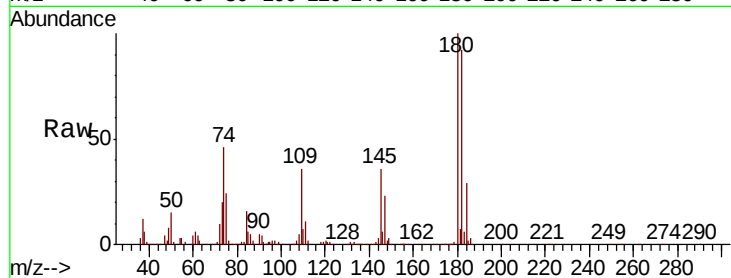




#81
 1,2,4-Trichlorobenzene
 Concen: 8.687 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.02 min
 Lab File: VL036593.D
 Acq: 31 Mar 2021 7:45

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1580938
 Ion Ratio Lower Upper
 180 100
 182 102.4 80.8 121.2
 184 31.9 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

