

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036703.D
 Acq On : 6 Apr 2021 17:54
 Operator : SY/AP
 Sample : VL0406ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

Quant Time: Apr 07 04:26:36 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	5.67	49	1333175	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3387475	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3188946	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2617453	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2019086	9.285 ppbv	97
3) Chlorodifluoromethane	2.99	51	2401745	9.642 ppbv	100
4) Chloromethane	3.14	50	781185	8.879 ppbv	99
5) Vinyl Chloride	3.26	62	763726	8.442 ppbv	98
6) Bromomethane	3.48	94	422897	8.491 ppbv	97
7) Chloroethane	3.56	64	273464	8.797 ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	1841763	8.874 ppbv	98
9) Propene	3.01	41	706221	8.894 ppbv	99
10) Heptane	8.13	43	1877396	9.281 ppbv	98
11) Trichlorofluoromethane	3.95	101	1861576	8.401 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1234621	8.714 ppbv	100
13) Ethanol	3.62	45	41745	4.415 ppbv #	51
14) Bromoethene	3.75	108	516219	8.764 ppbv	99
15) Acetone	3.85	43	979340	7.464 ppbv	99
16) 1,3-Butadiene	3.33	39	798336	8.739 ppbv	98
17) tert-Butyl alcohol	4.30	59	1071489	9.380 ppbv	98
18) 1,1-Dichloroethene	4.29	96	544486	8.640 ppbv	95
19) Isopropyl Alcohol	3.97	45	613735	8.503 ppbv	100
20) Methylene Chloride	4.35	84	458439	7.462 ppbv	98
21) Allyl Chloride	4.42	41	897166	8.577 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	514800	8.811 ppbv	91
23) Vinyl Acetate	5.08	43	1929096	8.595 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1494256	9.134 ppbv	99
25) Ethyl Acetate	5.68	43	2758442	8.842 ppbv	100
26) Hexane	5.69	57	1316532	9.094 ppbv	98
27) Carbon Disulfide	4.56	76	1314604	9.218 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1465826	8.586 ppbv	99
29) Chloroform	5.76	83	2085084	9.006 ppbv	99
30) Cyclohexane	7.14	84	1150011	9.795 ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1287988	9.199 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2142878	9.184 ppbv	99
34) 2-Butanone	5.25	43	1324776	8.012 ppbv	100
35) Carbon Tetrachloride	7.03	117	2262291	8.695 ppbv	97
36) Benzene	6.90	78	2789246	8.928 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1604567	8.726 ppbv	100
38) Trichloroethene	7.84	130	1049207	8.630 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1087190	8.579 ppbv	96
40) 1,4-Dioxane	7.84	88	217185	7.363 ppbv #	1
41) Tetrahydrofuran	6.06	42	540606	7.091 ppbv	92
42) Bromodichloromethane	7.80	83	2277633	9.106 ppbv	97
43) Methyl Methacrylate	8.02	69	1027587	9.795 ppbv	98

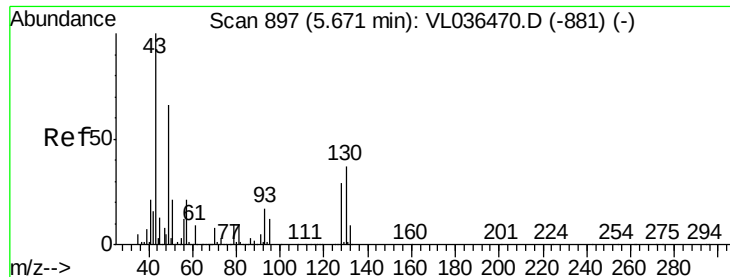
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036703.D
 Acq On : 6 Apr 2021 17:54
 Operator : SY/AP
 Sample : VL0406ABS01
 Misc : 400mL/MSVOA L
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Instrument :
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Quant Time: Apr 07 04:26:36 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
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4736095	8.613	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	975626	8.144	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1264774	8.260	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1143842	8.911	ppbv	96
48) Dibromochloromethane	10.32	129	1874418	9.579	ppbv	100
49) Bromoform	13.05	173	1563254	9.915	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1968165	8.226	ppbv	98
51) 2-Hexanone	10.15	43	1040924	8.621	ppbv #	100
52) Tetrachloroethene	11.24	164	957051	8.319	ppbv	99
53) Toluene	9.82	91	3117839	9.371	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1608350	8.872	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1320712	9.157	ppbv	99
57) Chlorobenzene	12.16	112	2381510	8.777	ppbv	99
58) Ethyl Benzene	12.72	91	4269722	9.203	ppbv	100
59) m/p-Xylene	13.01	91	3478427	8.596	ppbv #	25
60) o-Xylene	13.71	91	3460930	8.845	ppbv	100
61) Styrene	13.54	104	1890637	9.605	ppbv	99
62) Isopropylbenzene	14.68	105	4805206	9.120	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2568941	8.607	ppbv	99
64) n-propylbenzene	15.58	120	1256562	9.754	ppbv	99
65) tert-Butylbenzene	16.76	119	4214923	9.225	ppbv	99
66) Benzyl Chloride	17.00	91	311997	6.178	ppbv	97
67) sec-Butylbenzene	17.31	105	5912091	9.167	ppbv	99
69) p-Isopropyltoluene	17.67	119	4890428	9.710	ppbv	99
70) n-Butylbenzene	18.56	91	5032225	9.637	ppbv	99
71) 2-Chlorotoluene	15.47	91	3715370	9.410	ppbv	100
72) 4-Ethyltoluene	15.85	105	4149792	9.679	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3673488	9.180	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3845956	8.981	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2271871	9.425	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2199186	9.189	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2211251	9.760	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1736343	8.557	ppbv	99
79) Naphthalene	22.22	128	2645504	10.587	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	331411	6.726	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1611789	10.447	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

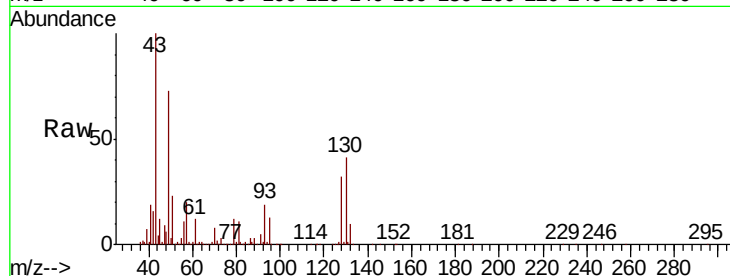
MSVOA_L

ClientSampleId :

VL0406ABS01

Tot Ion: 49 Resp: 1333175

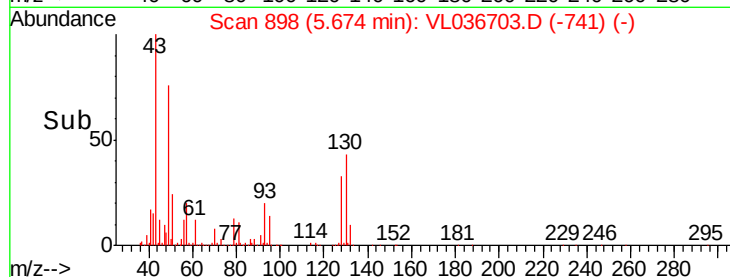
Ion	Ratio	Lower	Upper
49	100		
128	48.9	23.5	70.6
130	60.3	29.1	87.4



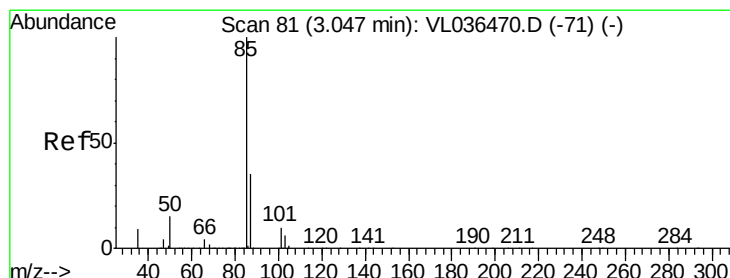
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 9.285 ppbv

RT: 3.05 min Scan# 82

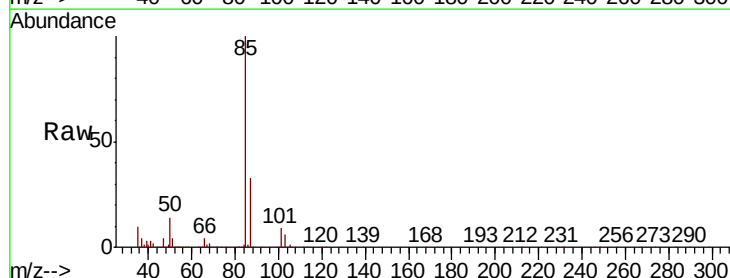
Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

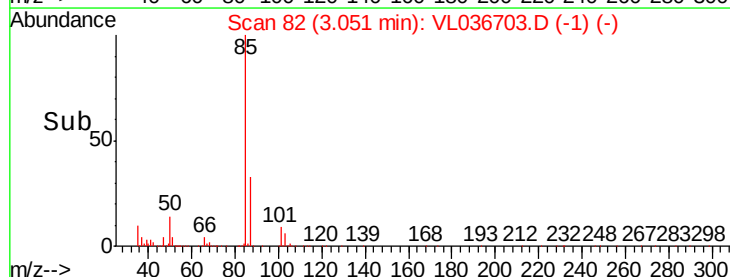
Tgt Ion: 85 Resp: 2019086

Ion	Ratio	Lower	Upper
85	100		
87	33.1	27.8	41.8

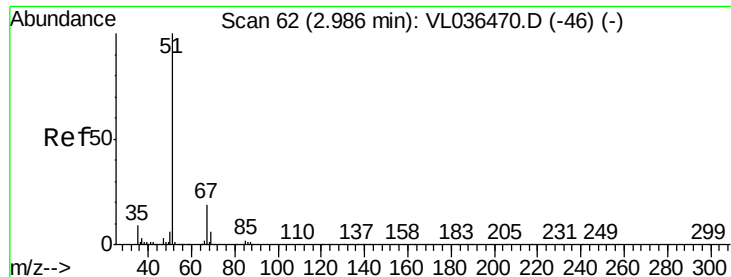


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.642 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

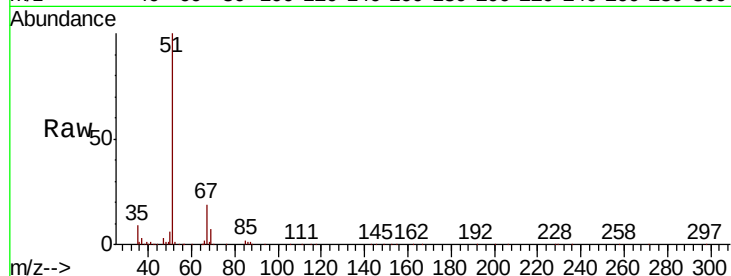
VL0406ABS01

Tot Ion: 51 Resp: 2401745

Ion Ratio Lower Upper

51 100

67 18.6 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

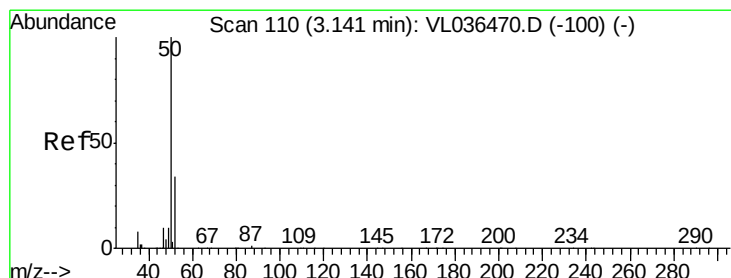
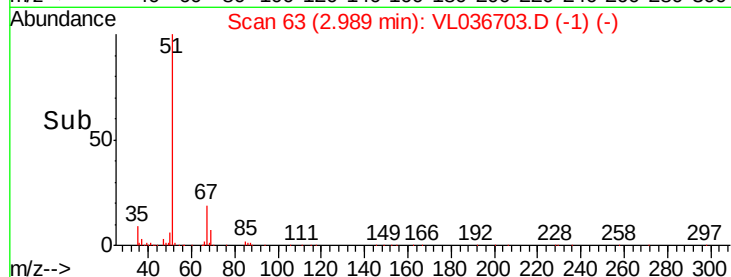
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 8.879 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036703.D

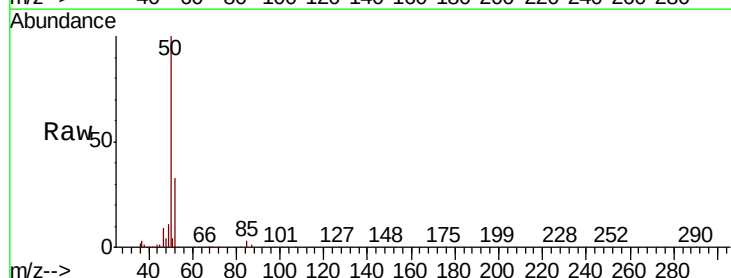
Acq: 6 Apr 2021 17:54

Tgt Ion: 50 Resp: 781185

Ion Ratio Lower Upper

50 100

52 33.2 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

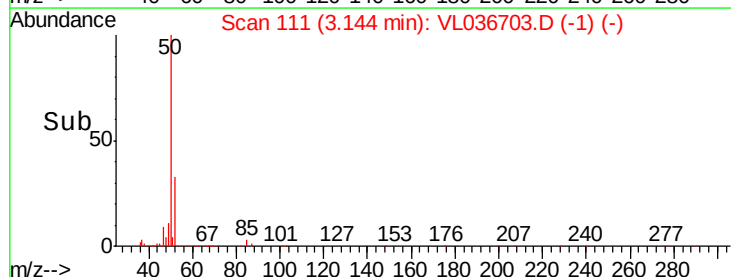
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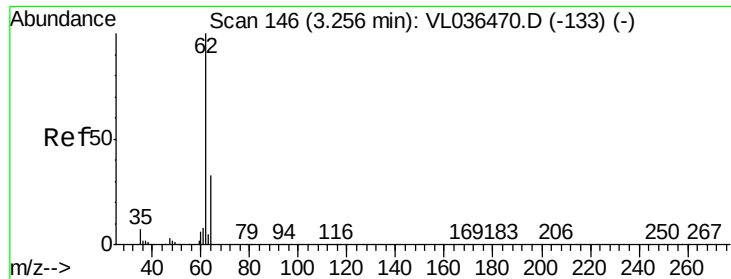
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.442 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

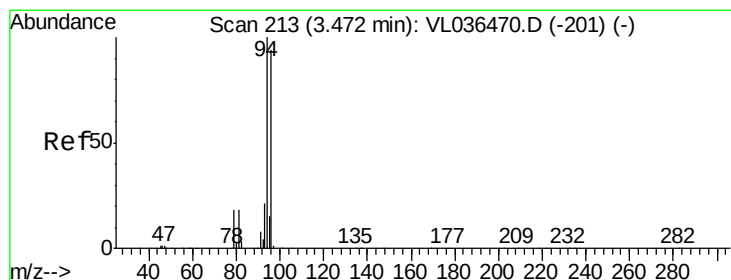
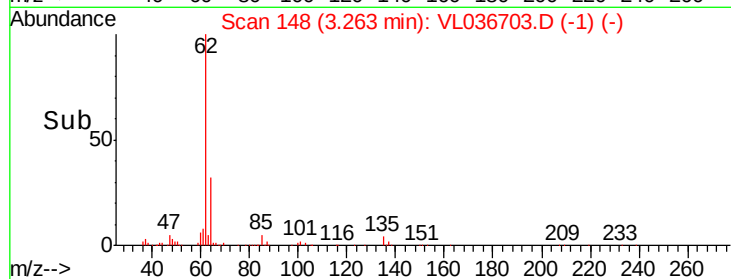
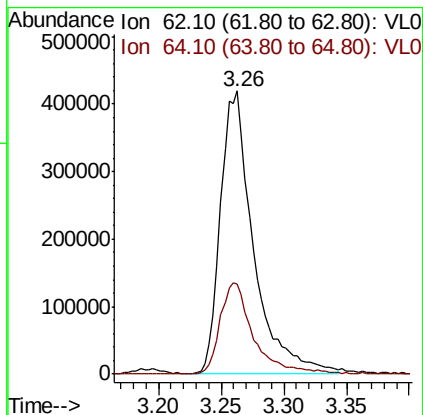
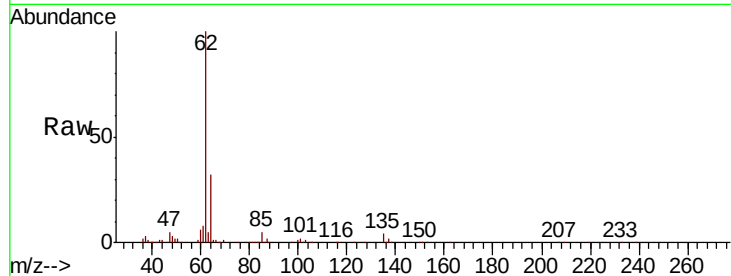
VL0406ABS01

Tot Ion: 62 Resp: 763726

Ion Ratio Lower Upper

62 100

64 31.7 26.4 39.6



#6

Bromomethane

Concen: 8.491 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL036703.D

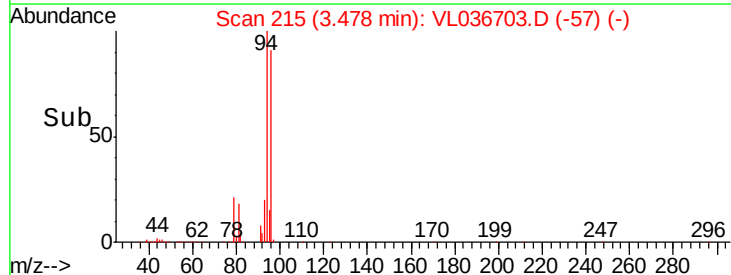
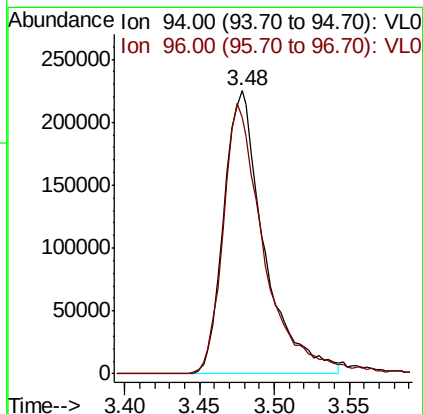
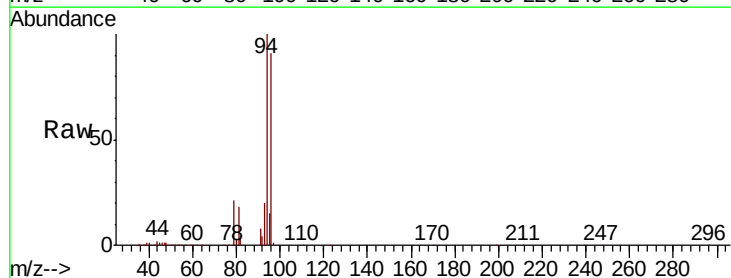
Acq: 6 Apr 2021 17:54

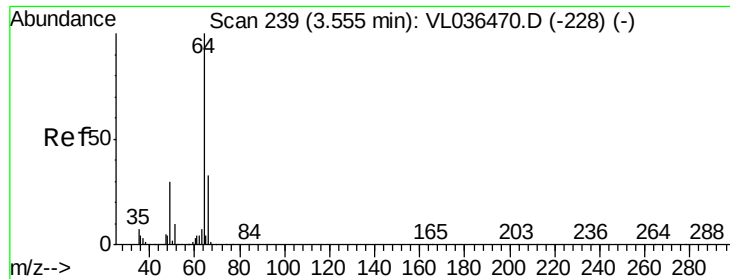
Tgt Ion: 94 Resp: 422897

Ion Ratio Lower Upper

94 100

96 90.7 74.9 112.3





#7

Chloroethane

Concen: 8.797 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

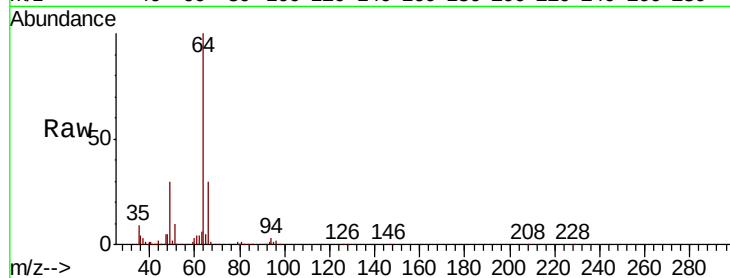
VL0406ABS01

Tot Ion: 64 Resp: 273464

Ion Ratio Lower Upper

64 100

66 30.5 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

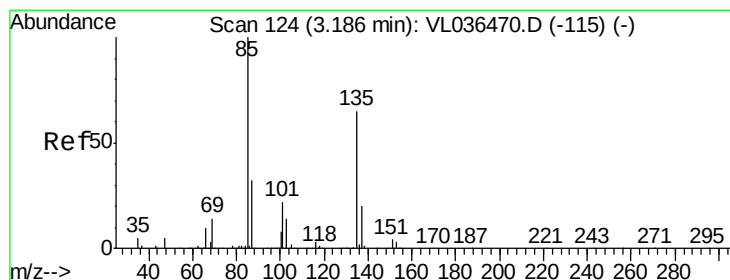
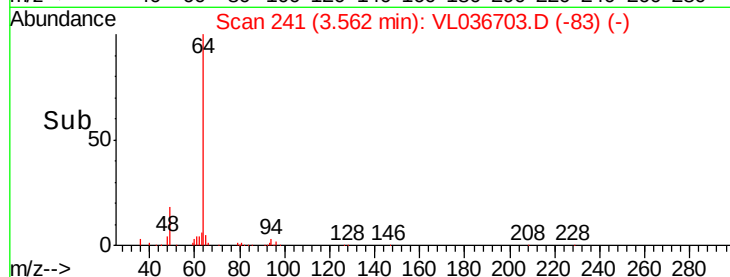
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.874 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036703.D

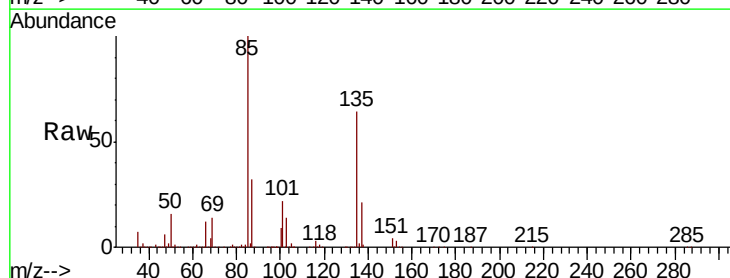
Acq: 6 Apr 2021 17:54

Tgt Ion: 85 Resp: 1841763

Ion Ratio Lower Upper

85 100

135 69.3 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

1200000

1000000

800000

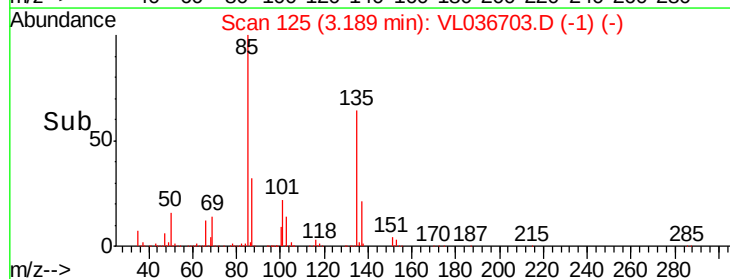
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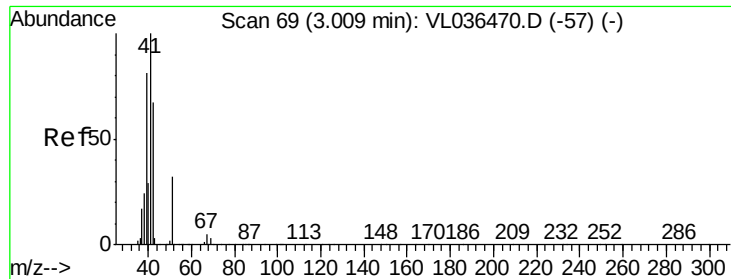
400000

200000

0

Time-->





#9

Propene

Concen: 8.894 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

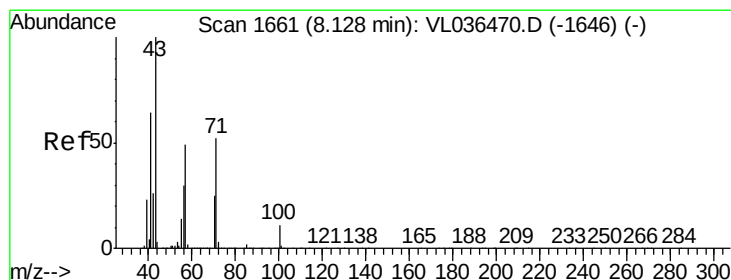
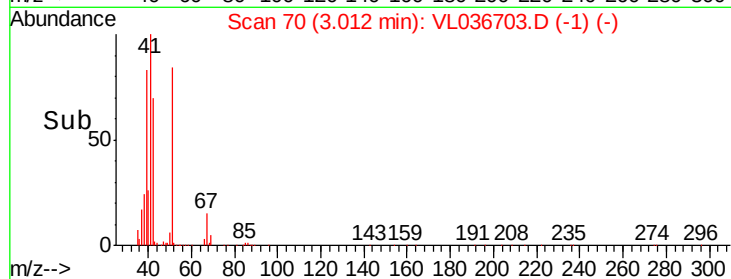
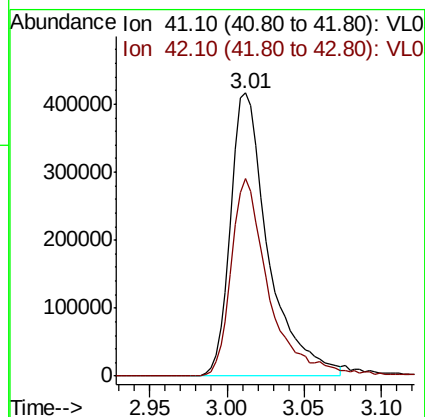
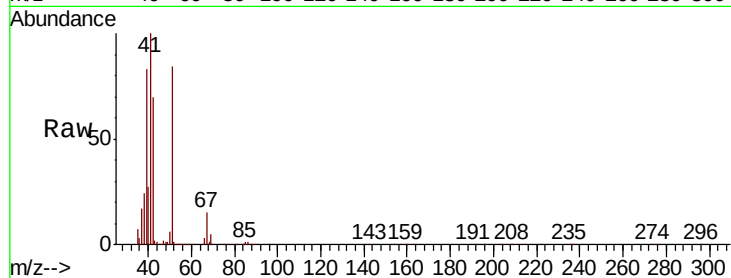
VL0406ABS01

Tot Ion: 41 Resp: 706221

Ion Ratio Lower Upper

41 100

42 70.4 57.0 85.4



#10

Heptane

Concen: 9.281 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL036703.D

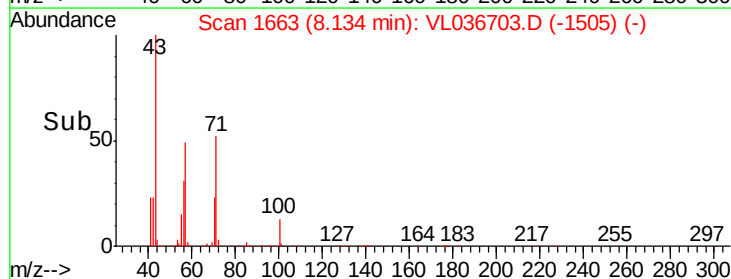
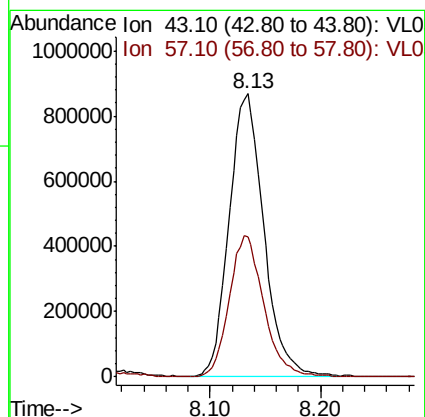
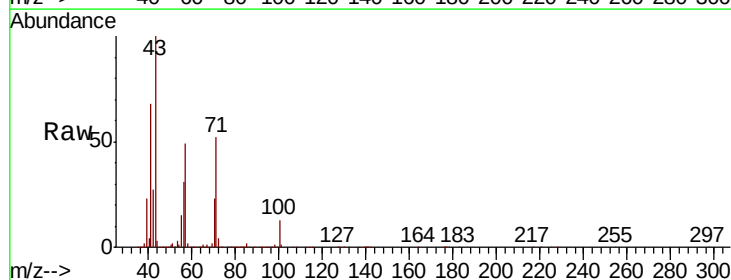
Acq: 6 Apr 2021 17:54

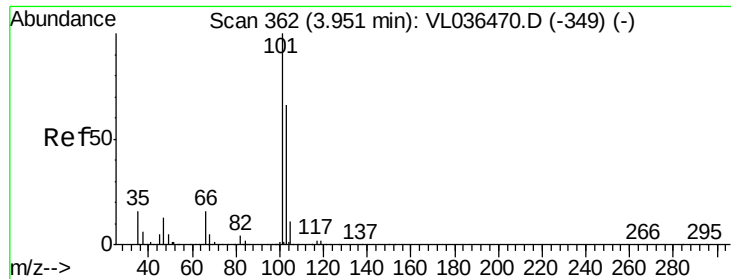
Tgt Ion: 43 Resp: 1877396

Ion Ratio Lower Upper

43 100

57 50.0 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.401 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

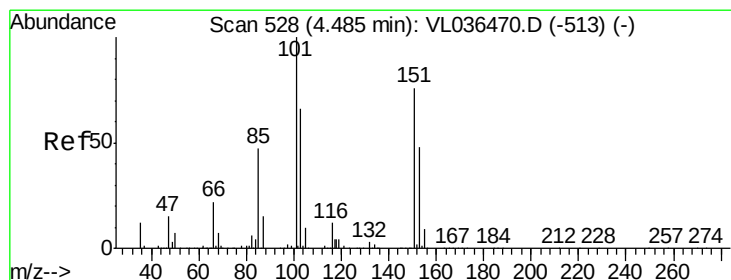
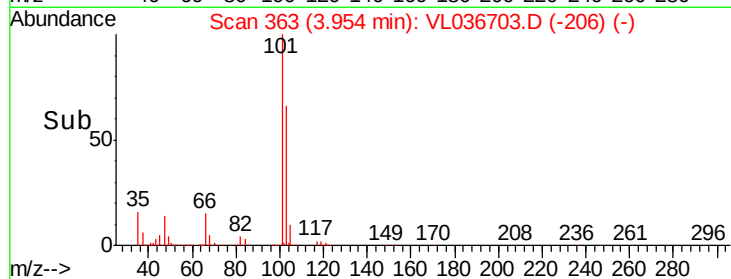
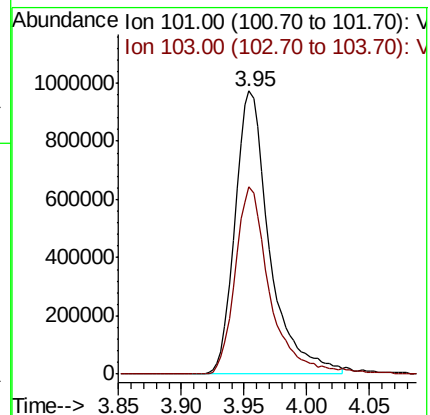
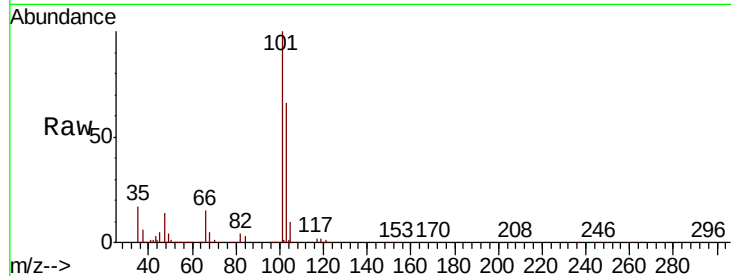
VL0406ABS01

Tot Ion:101 Resp: 1861576

Ion Ratio Lower Upper

101 100

103 66.0 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.714 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL036703.D

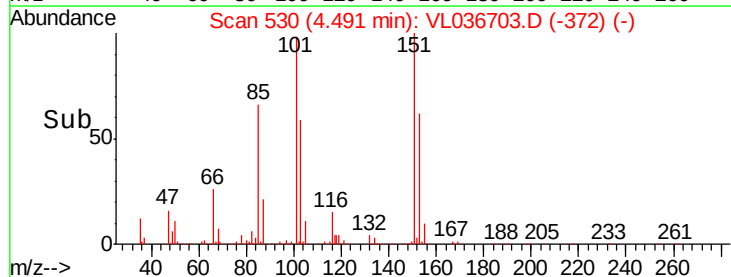
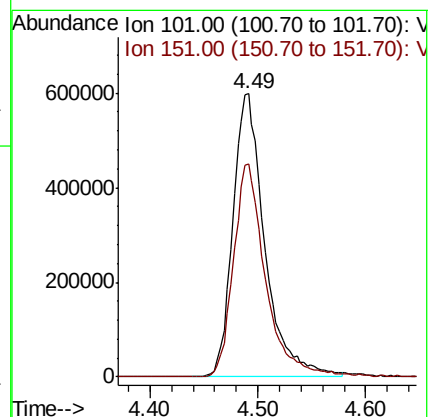
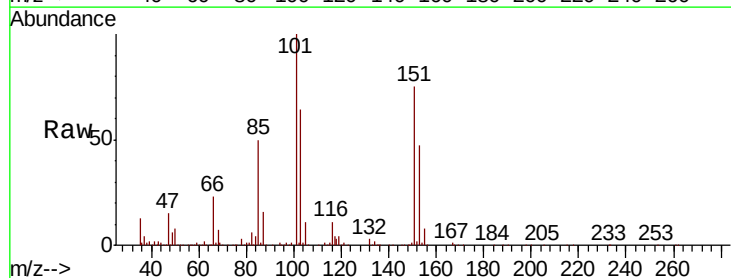
Acq: 6 Apr 2021 17:54

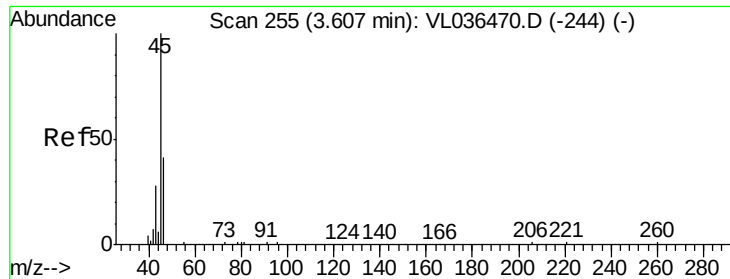
Tgt Ion:101 Resp: 1234621

Ion Ratio Lower Upper

101 100

151 76.4 60.9 91.3





#13

Ethanol

Concen: 4.415 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

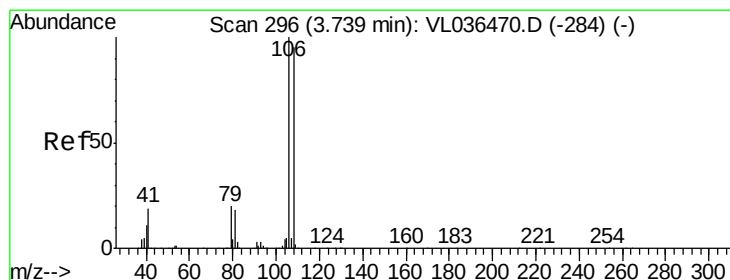
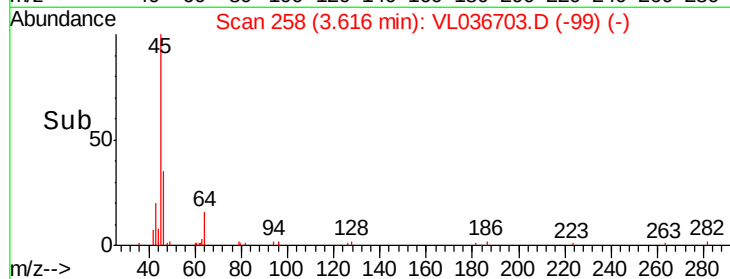
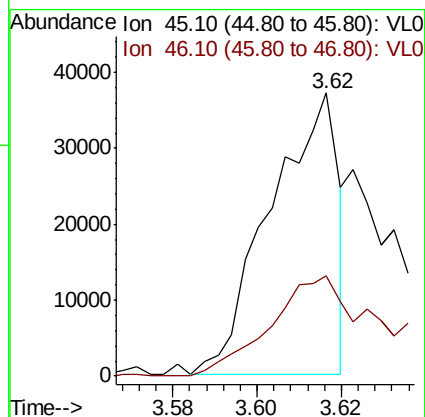
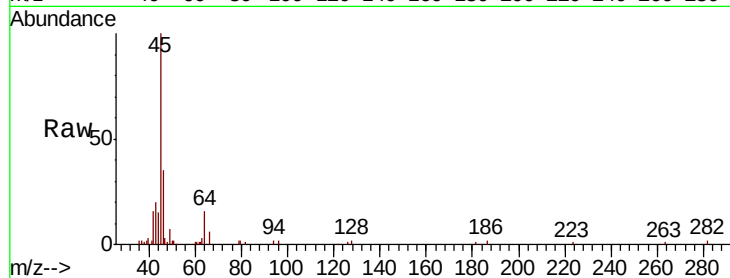
VL0406ABS01

Tot Ion: 45 Resp: 41745

Ion Ratio Lower Upper

45 100

46 71.9 16.6 66.2#



#14

Bromoethene

Concen: 8.764 ppbv

RT: 3.75 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

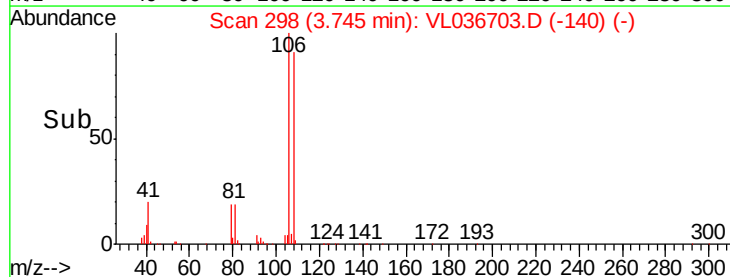
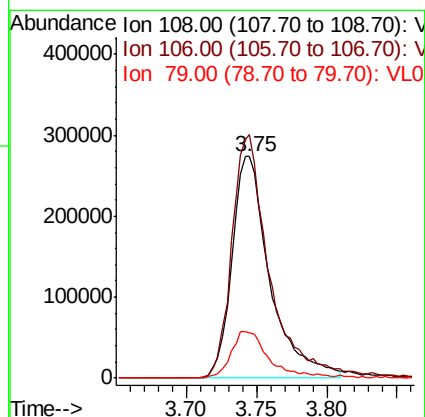
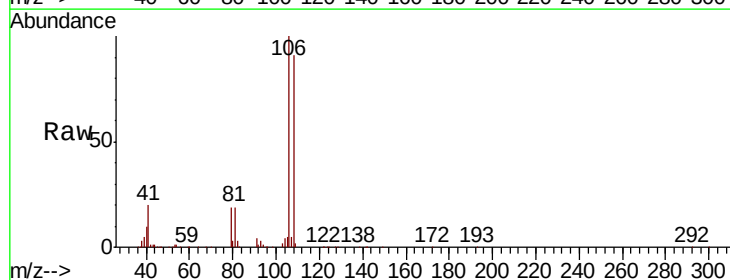
Tgt Ion: 108 Resp: 516219

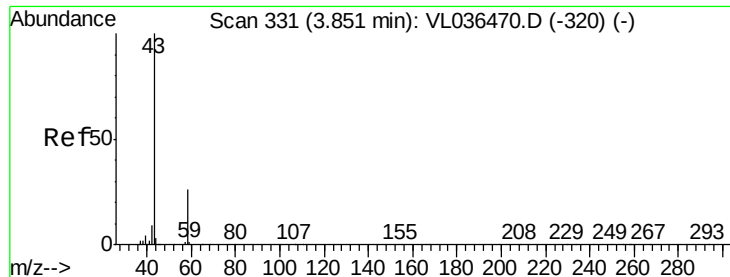
Ion Ratio Lower Upper

108 100

106 110.5 89.0 133.6

79 21.8 16.6 25.0





#15

Acetone

Concen: 7.464 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

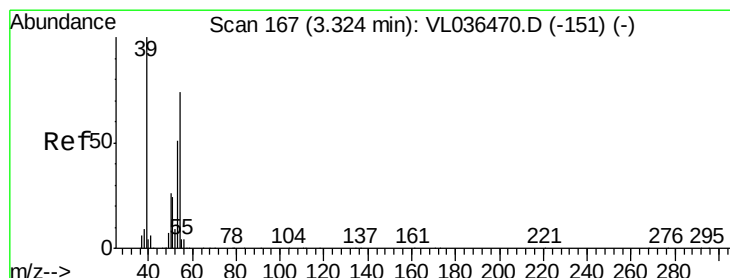
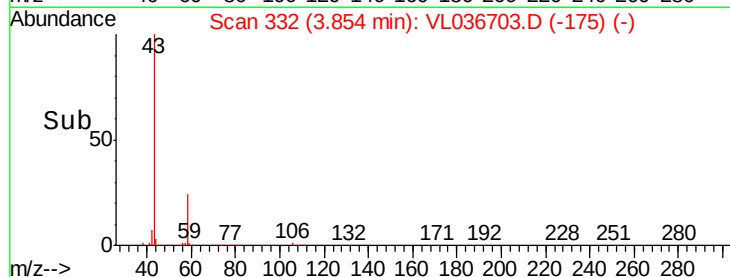
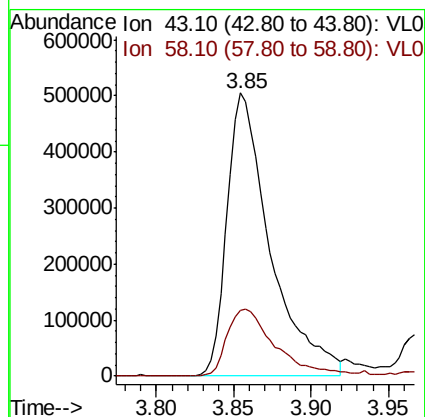
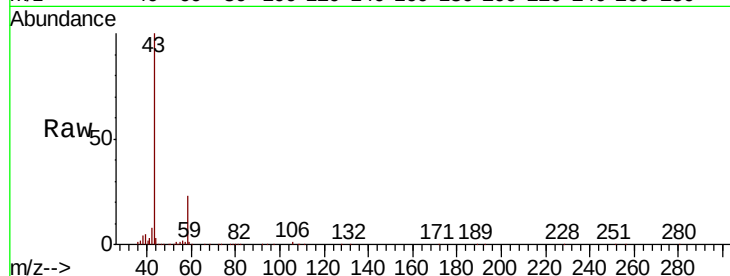
VL0406ABS01

Tot Ion: 43 Resp: 979340

Ion Ratio Lower Upper

43 100

58 27.0 21.2 31.8



#16

1,3-Butadiene

Concen: 8.739 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036703.D

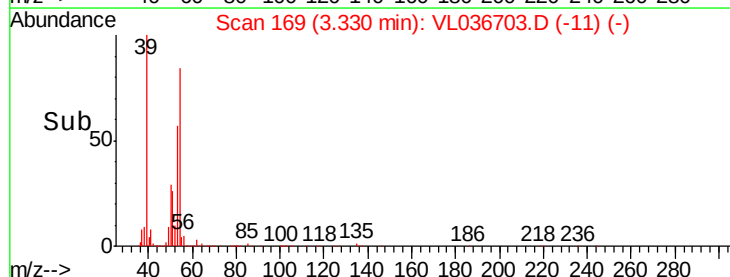
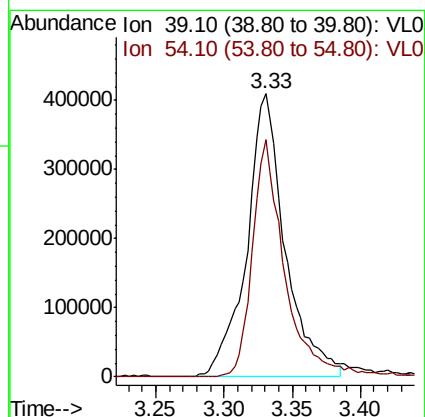
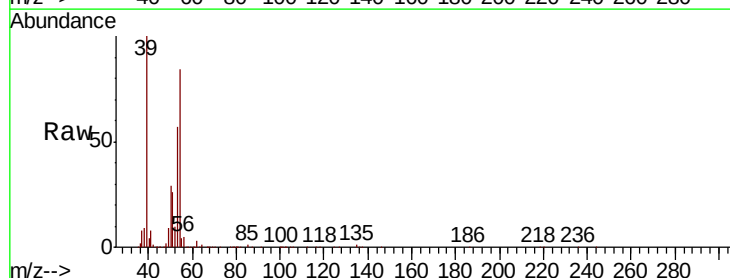
Acq: 6 Apr 2021 17:54

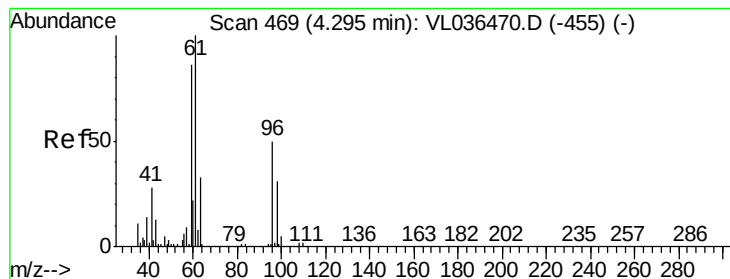
Tgt Ion: 39 Resp: 798336

Ion Ratio Lower Upper

39 100

54 72.1 58.8 88.2



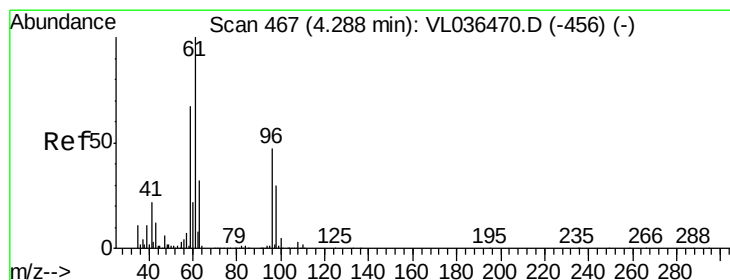
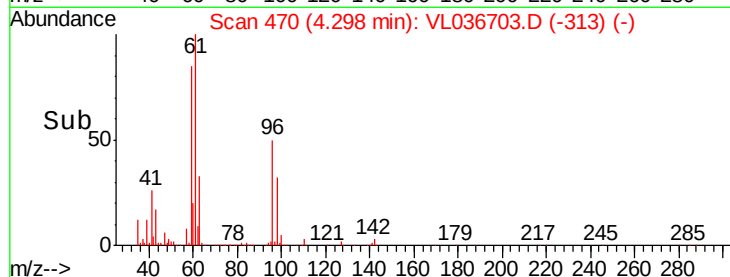
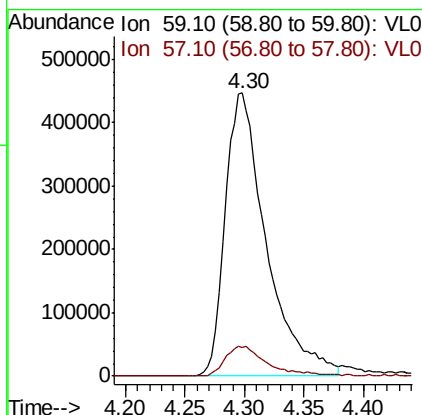
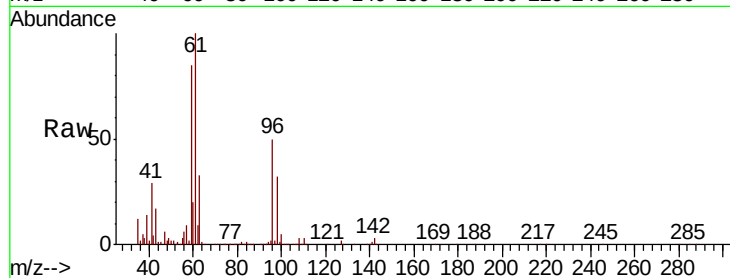


#17

tert-Butyl alcohol
Concen: 9.380 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

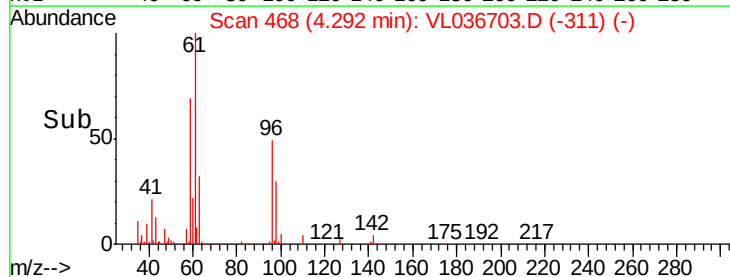
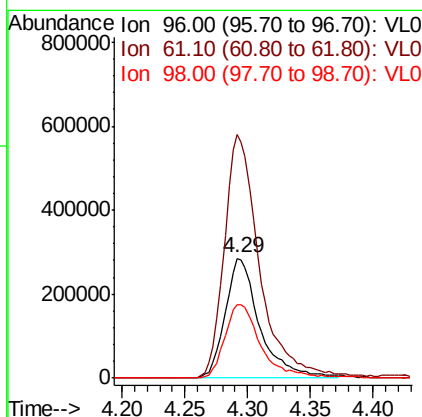
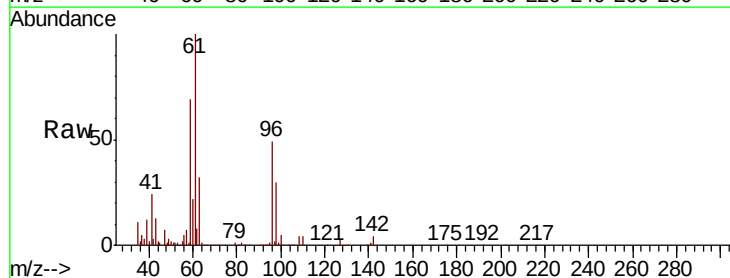
Tot Ion: 59 Resp: 1071489
Ion Ratio Lower Upper
59 100
57 11.4 8.6 12.8

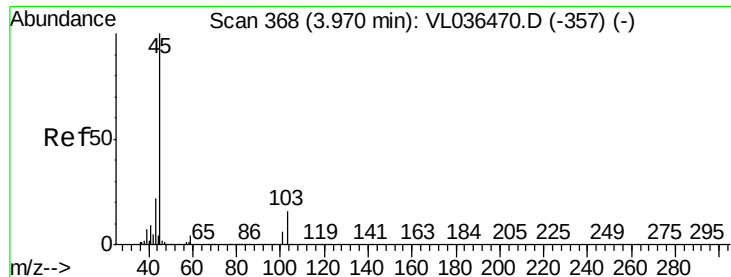


#18

1,1-Dichloroethene
Concen: 8.640 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 96 Resp: 544486
Ion Ratio Lower Upper
96 100
61 202.8 168.6 253.0
98 60.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 8.503 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

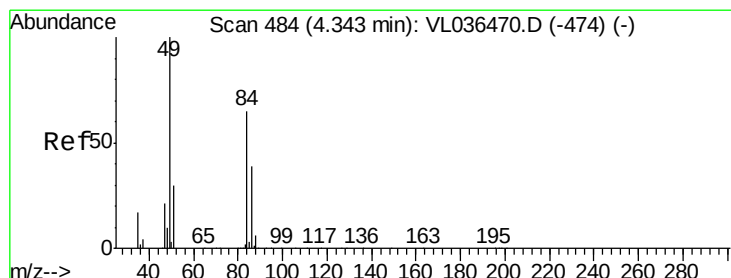
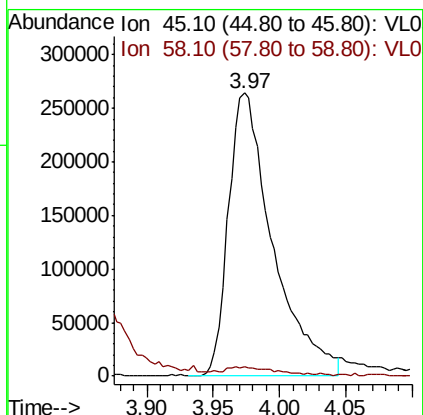
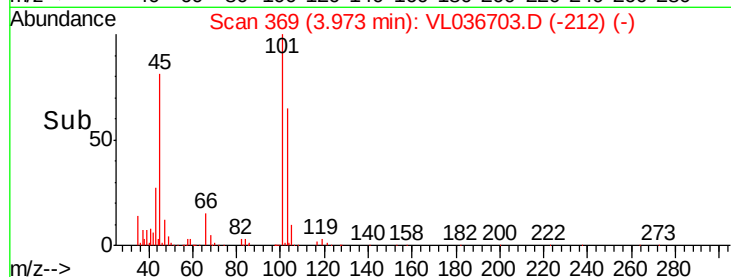
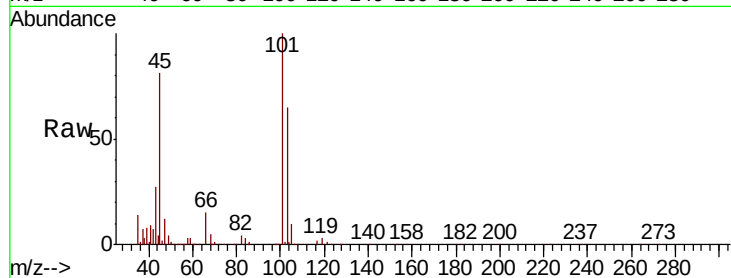
VL0406ABS01

Tot Ion: 45 Resp: 613735

Ion Ratio Lower Upper

45 100

58 3.6 2.9 4.3



#20

Methylene Chloride

Concen: 7.462 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Tgt Ion: 84 Resp: 458439

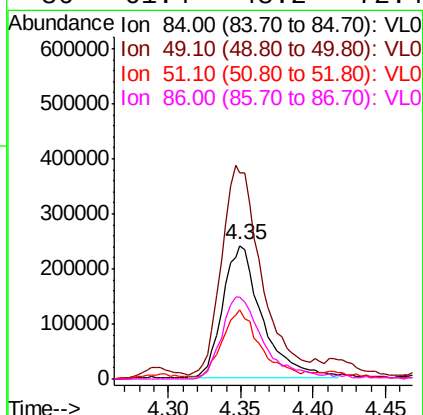
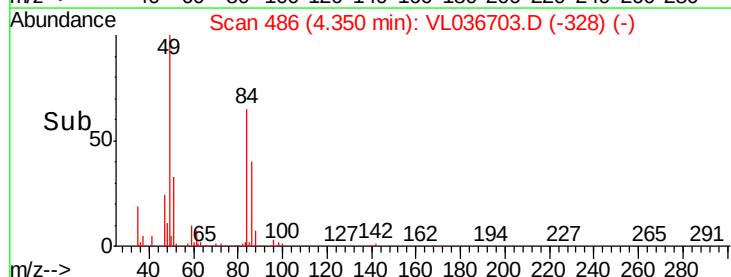
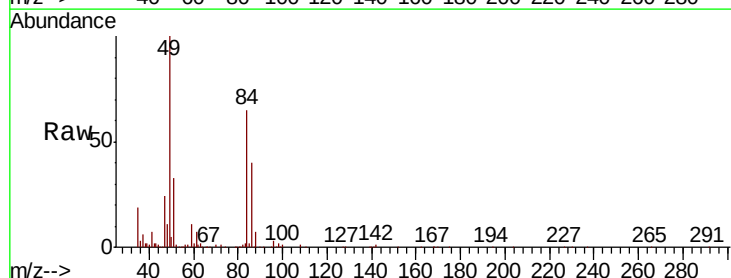
Ion Ratio Lower Upper

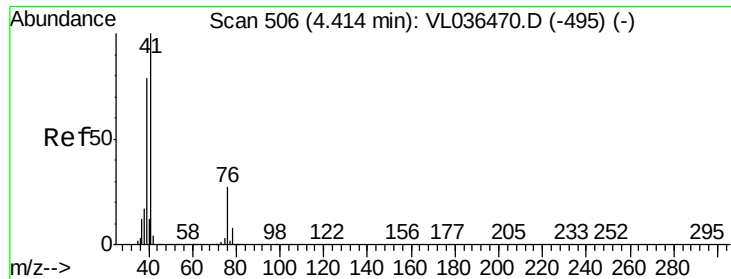
84 100

49 152.4 122.9 184.3

51 49.9 36.9 55.3

86 61.4 48.2 72.4

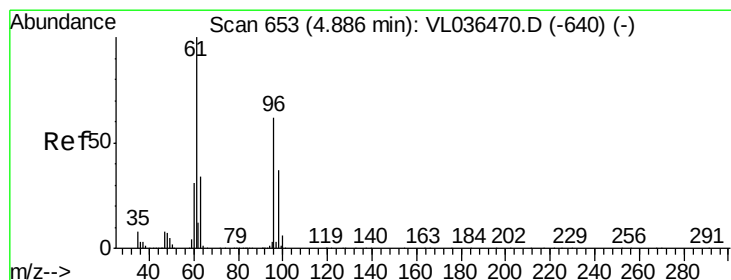
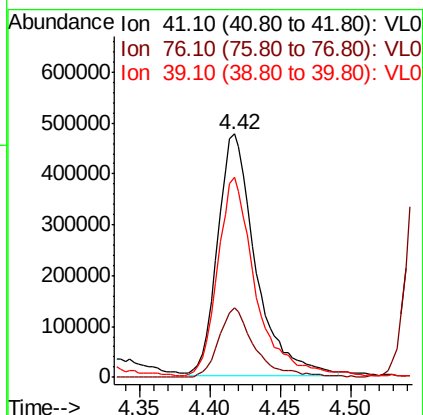
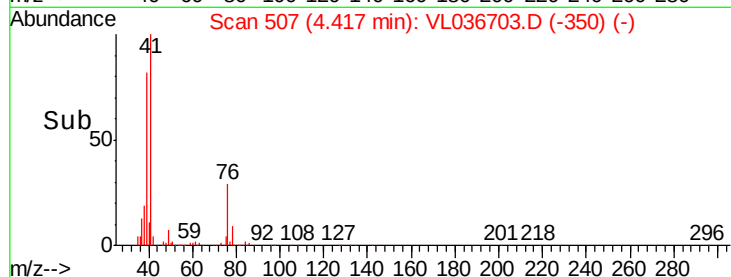
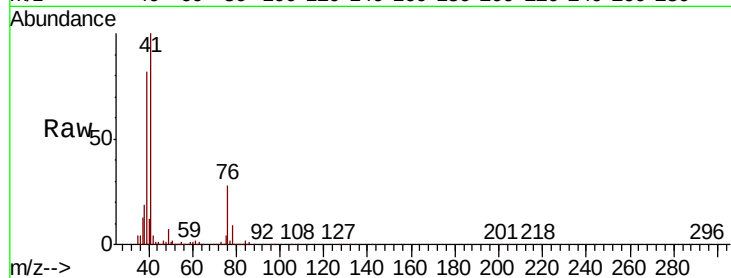




#21
Allvl Chloride
Concen: 8.577 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

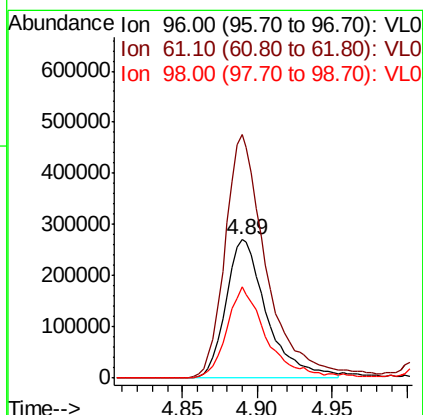
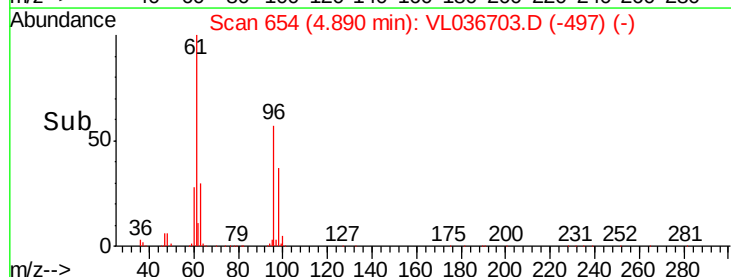
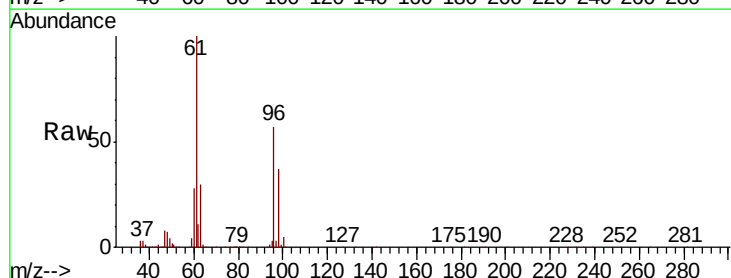
Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

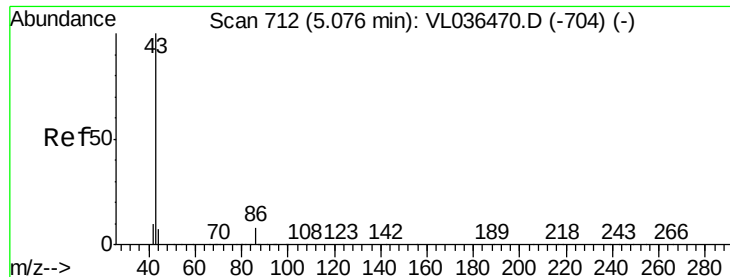
Tot Ion: 41 Resp: 897166
Ion Ratio Lower Upper
41 100
76 27.1 22.9 34.3
39 81.3 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 8.811 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 96 Resp: 514800
Ion Ratio Lower Upper
96 100
61 175.5 129.4 194.0
98 65.3 48.2 72.4

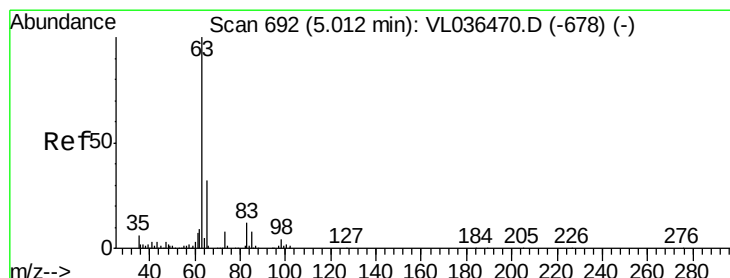
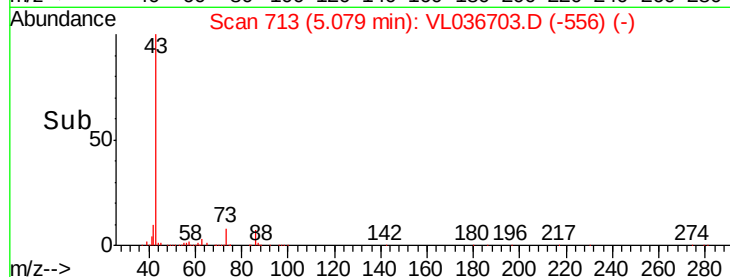
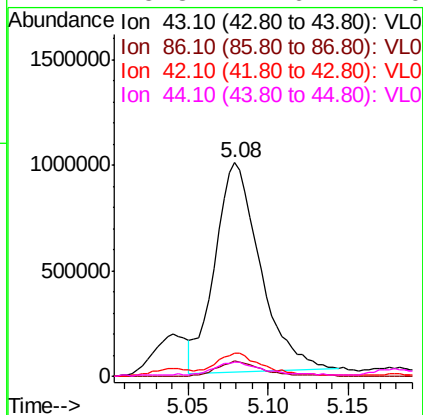
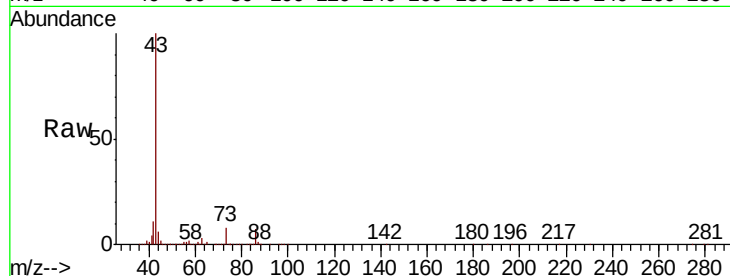




#23
 Vinyl Acetate
 Concen: 8.595 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

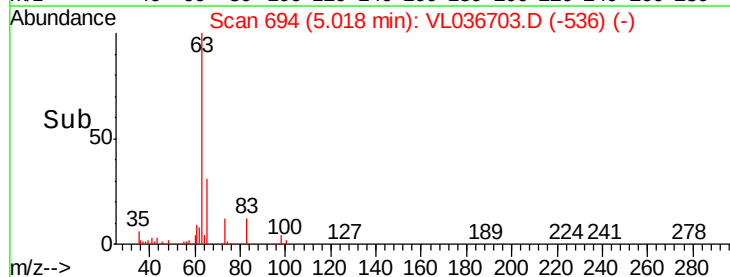
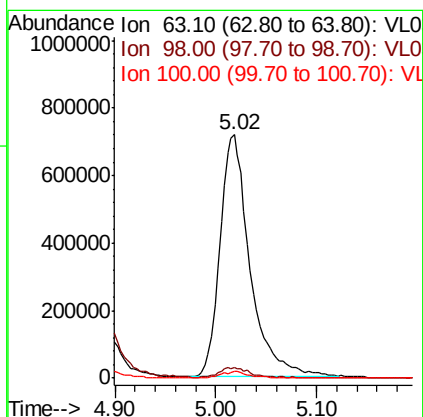
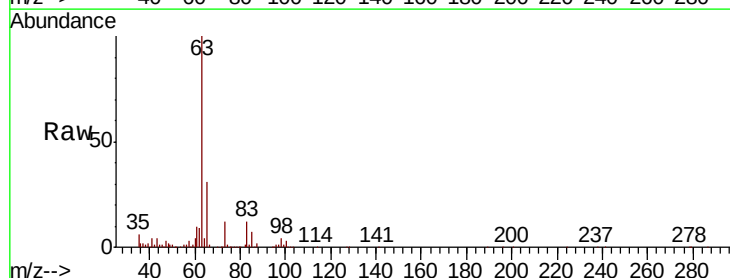
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

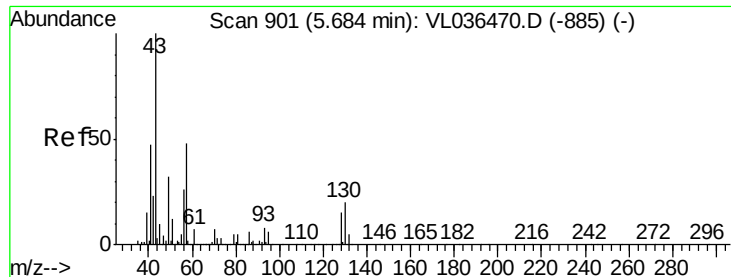
Tot Ion:	43	Resp:	1929096
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.4	8.0
42	10.4	8.5	12.7
44	5.8	4.6	7.0



#24
 1,1-Dichloroethane
 Concen: 9.134 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Tgt Ion:	63	Resp:	1494256
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.7	0.9	2.8





#25

Ethyl Acetate

Concen: 8.842 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

Tot Ion: 43 Resp: 2758442

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.3	7.4	11.2
70	6.5	5.1	7.7

43 100

45 9.6 7.9 11.9

61 9.3 7.4 11.2

70 6.5 5.1 7.7

Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

1500000

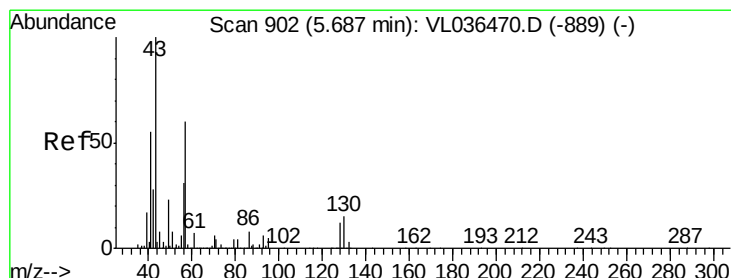
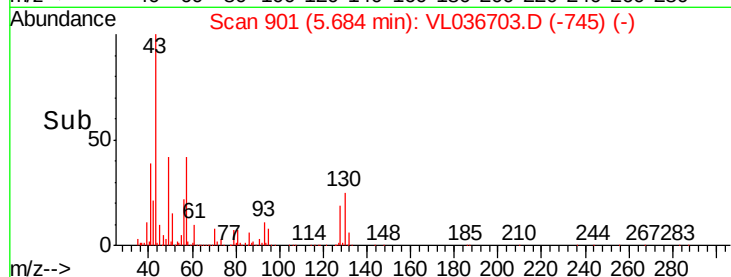
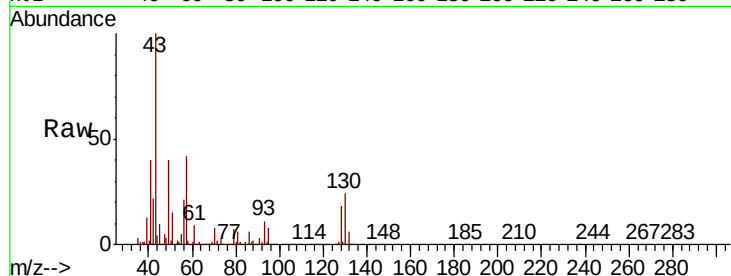
1000000

500000

0

5.60 5.70 5.80

Time-->



#26

Hexane

Concen: 9.094 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Tgt Ion: 57 Resp: 1316532

Ion	Ratio	Lower	Upper
57	100		
41	97.2	77.2	115.8
43	213.3	173.8	260.6
56	55.5	43.8	65.6

57 100

41 97.2 77.2 115.8

43 213.3 173.8 260.6

56 55.5 43.8 65.6

Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

1500000

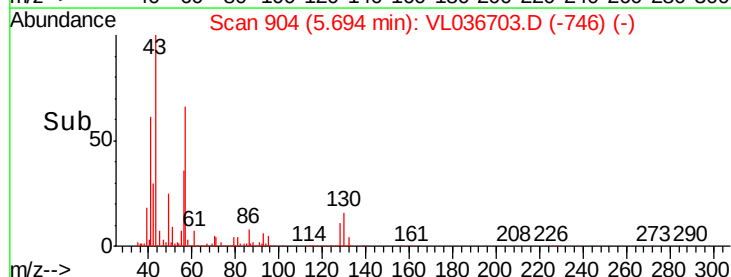
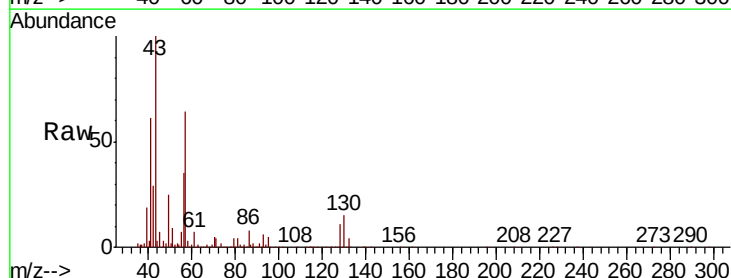
1000000

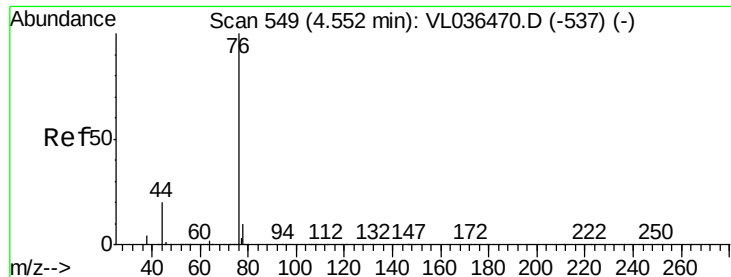
500000

0

5.60 5.65 5.70 5.75

Time-->





#27

Carbon Disulfide

Concen: 9.218 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

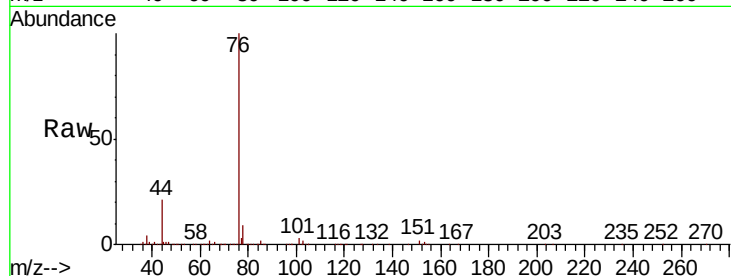
Tot Ion: 76 Resp: 1314604

Ion Ratio Lower Upper

76 100

44 21.3 17.5 26.3

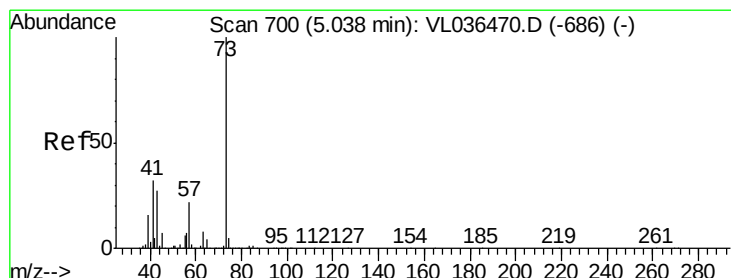
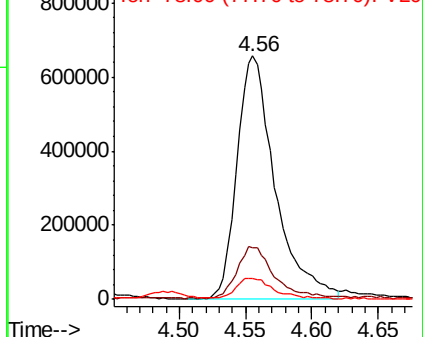
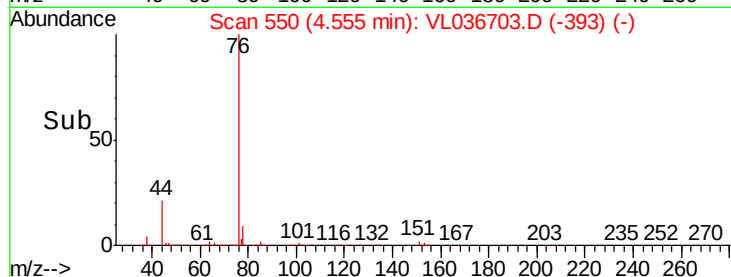
78 9.5 8.6 13.0



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: 8.586 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL036703.D

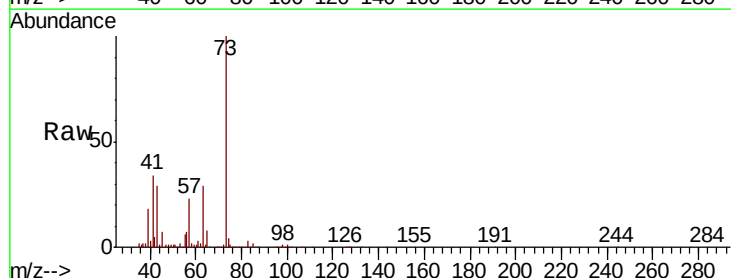
Acq: 6 Apr 2021 17:54

Tgt Ion: 73 Resp: 1465826

Ion Ratio Lower Upper

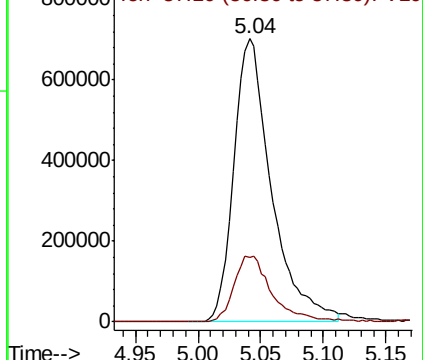
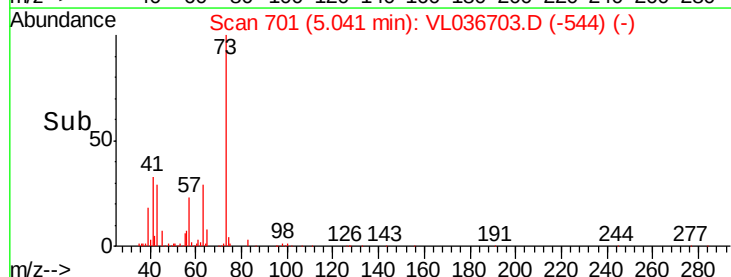
73 100

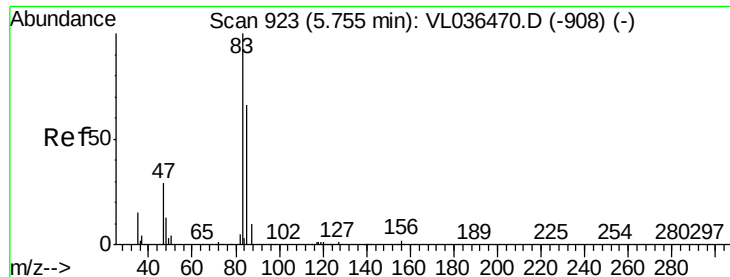
57 23.8 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

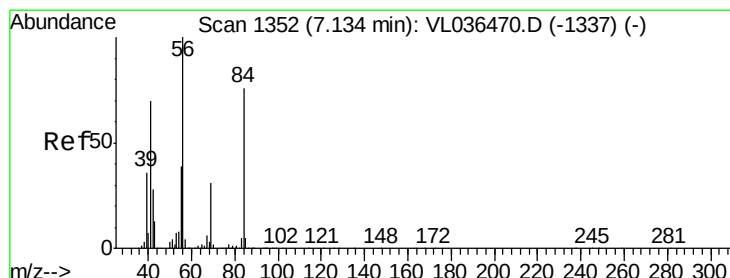
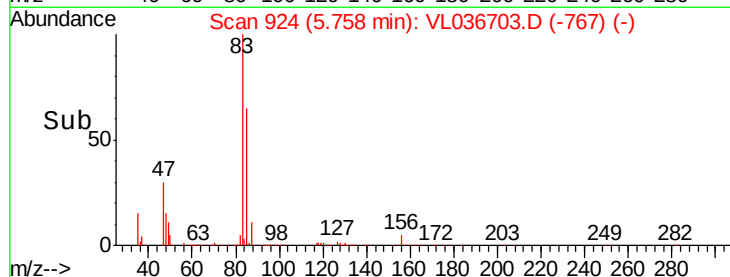
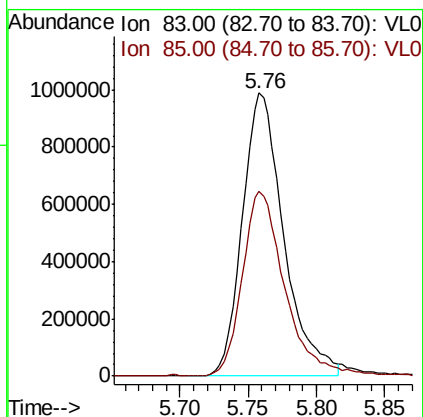
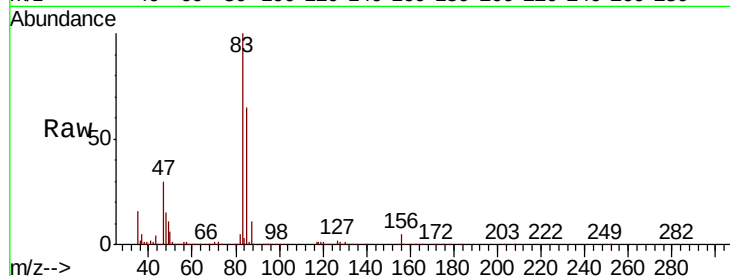




#29
Chloroform
Concen: 9.006 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

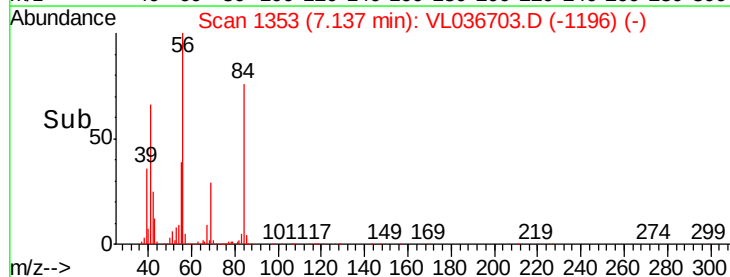
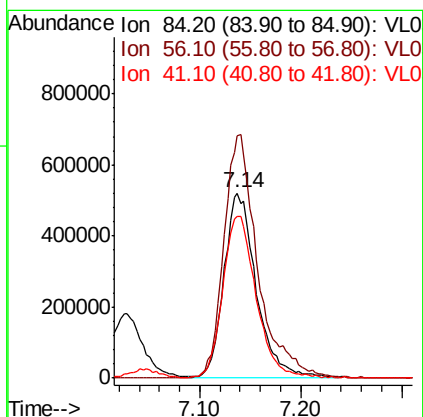
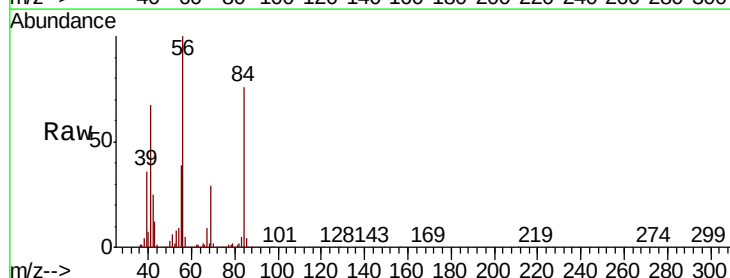
Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

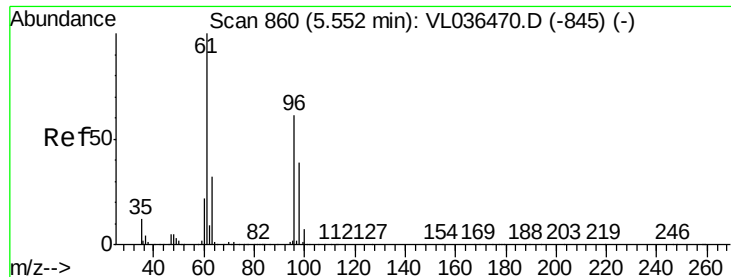
Tot Ion: 83 Resp: 2085084
Ion Ratio Lower Upper
83 100
85 65.0 52.6 78.8



#30
Cyclohexane
Concen: 9.795 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 84 Resp: 1150011
Ion Ratio Lower Upper
84 100
56 140.3 114.6 171.8
41 90.8 75.3 112.9



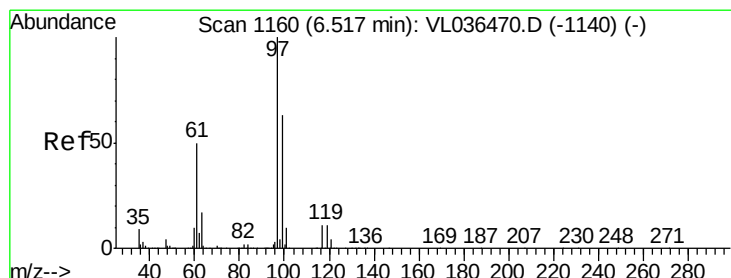
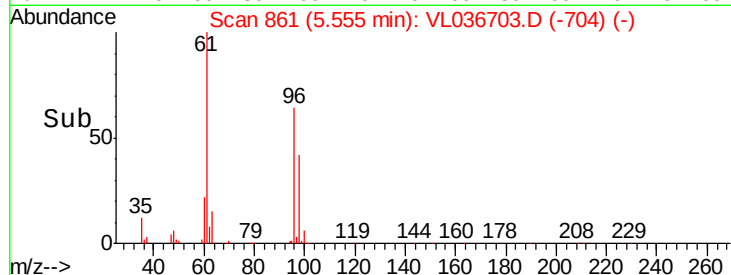
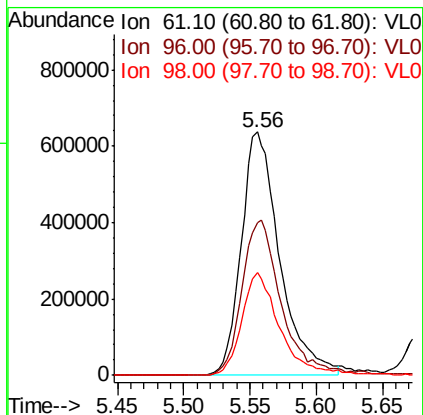
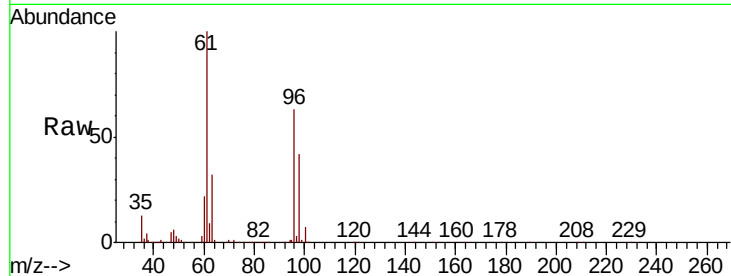


#31

cis-1,2-Dichloroethene
Concen: 9.199 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

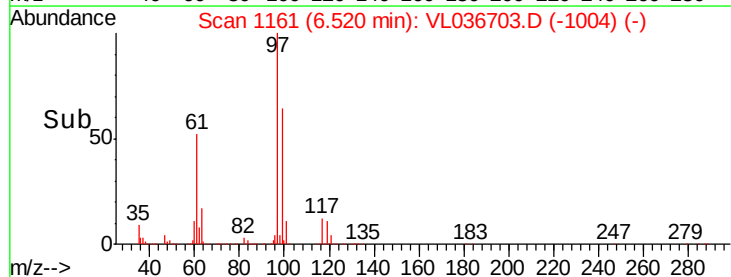
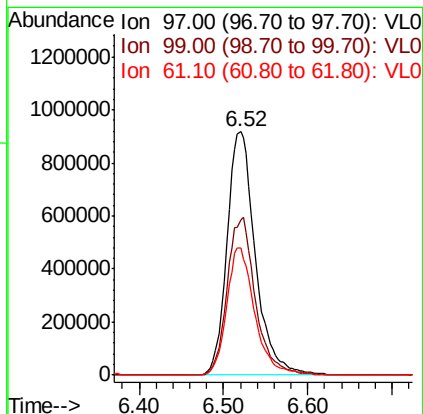
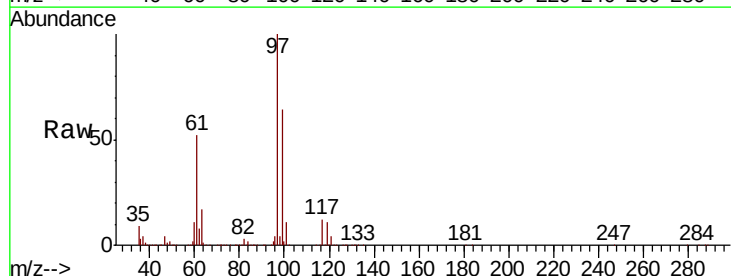
Tot Ion: 61 Resp: 1287988
Ion Ratio Lower Upper
61 100
96 62.7 48.7 73.1
98 41.9 31.4 47.0

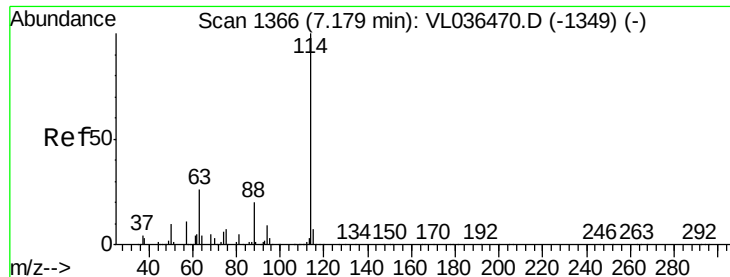


#32

1,1,1-Trichloroethane
Concen: 9.184 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 97 Resp: 2142878
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 51.4 40.6 60.8

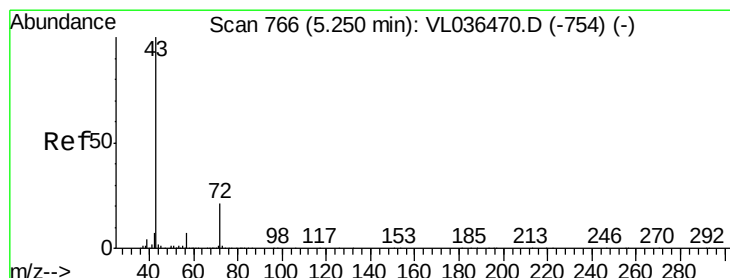
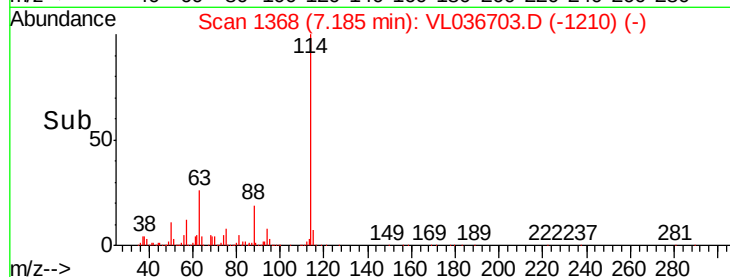
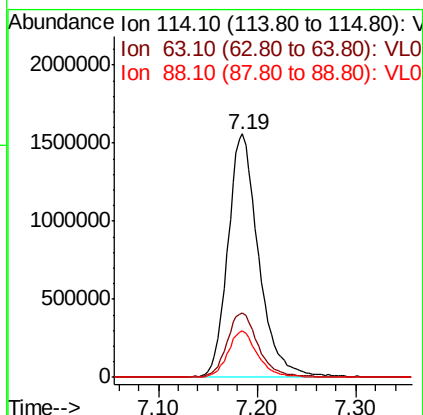
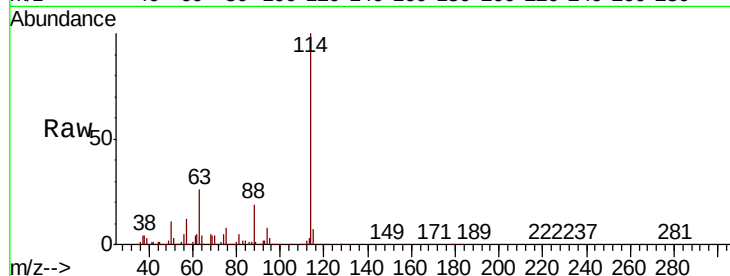




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

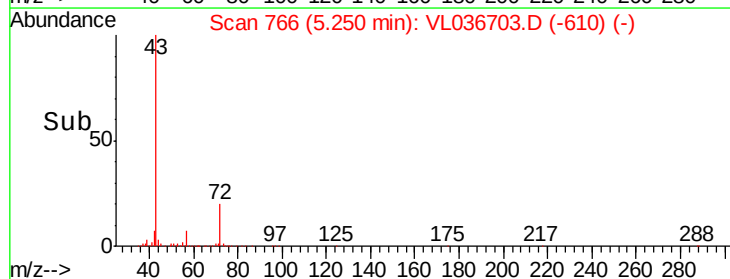
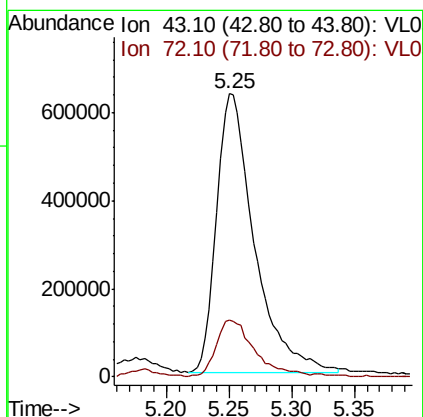
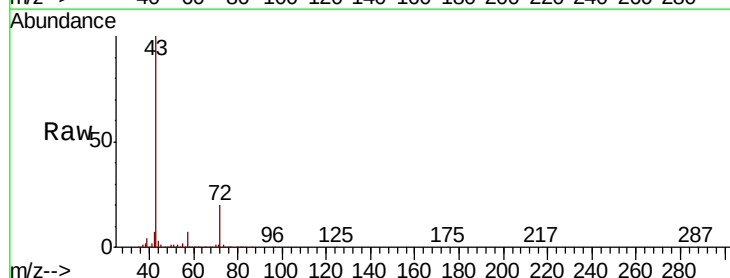
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

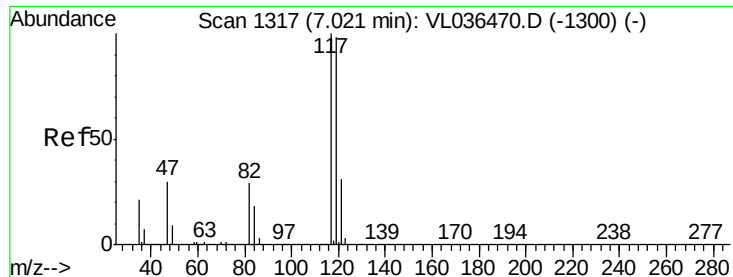
Tot Ion:114 Resp: 3387475
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.4 33.6
 88 18.7 15.4 23.0



#34
 2-Butanone
 Concen: 8.012 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Tgt Ion: 43 Resp: 1324776
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.0 25.6





#35

Carbon Tetrachloride

Concen: 8.695 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

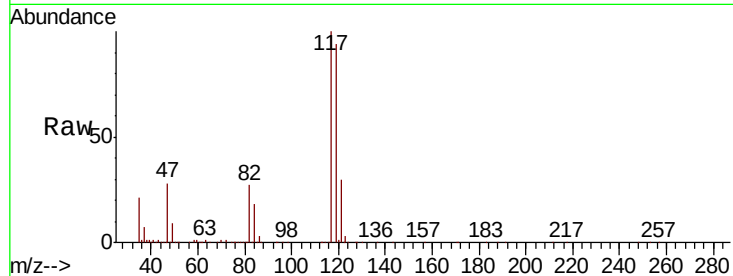
Tot Ion:117 Resp: 2262291

Ion Ratio Lower Upper

117 100

119 94.0 78.2 117.2

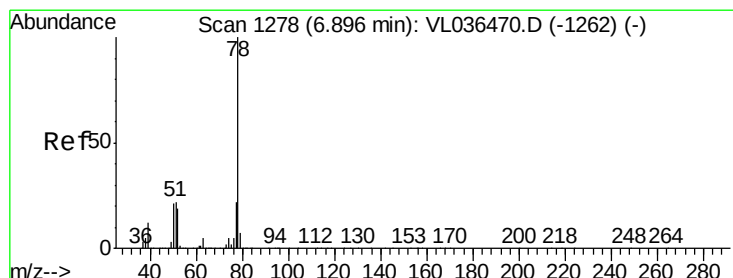
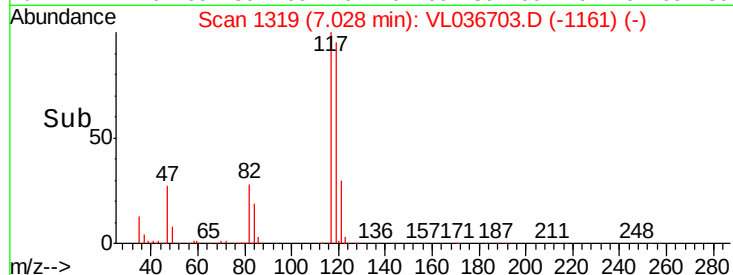
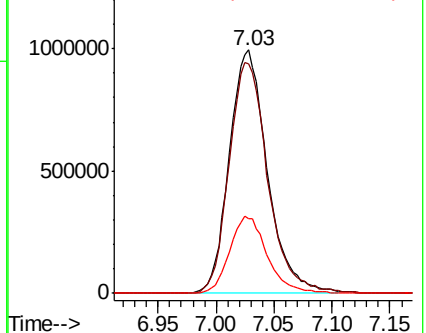
121 30.3 24.5 36.7



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: 8.928 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

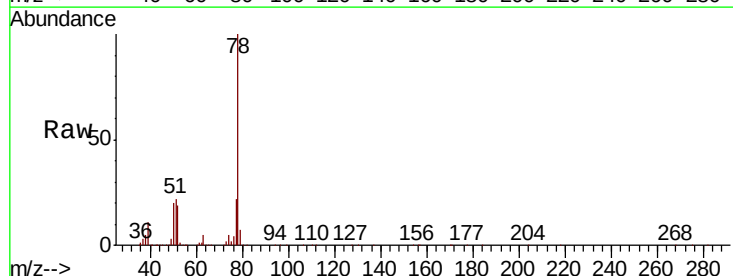
Tgt Ion: 78 Resp: 2789246

Ion Ratio Lower Upper

78 100

77 22.4 18.0 27.0

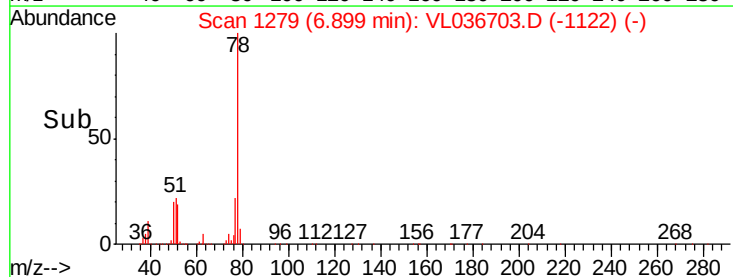
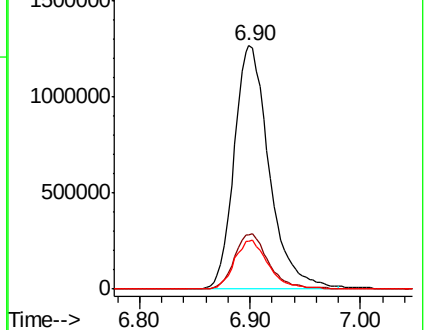
50 19.8 16.5 24.7

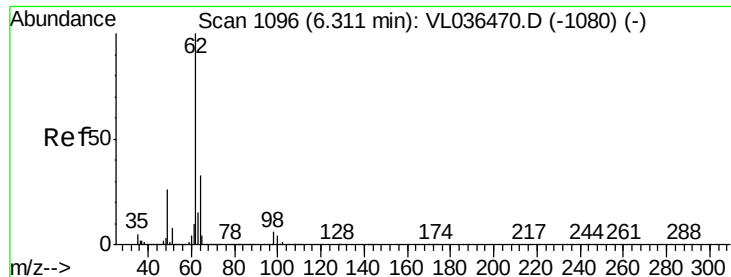


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.726 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

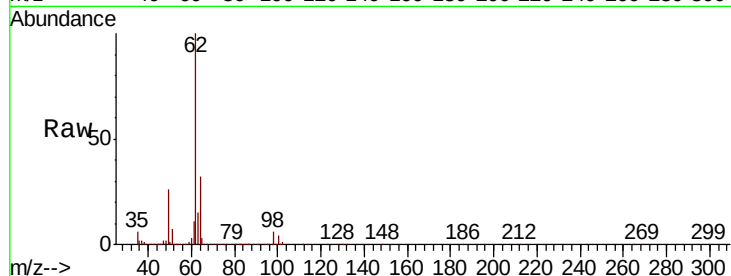
VL0406ABS01

Tot Ion: 62 Resp: 1604567

Ion Ratio Lower Upper

62 100

98 6.1 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

800000

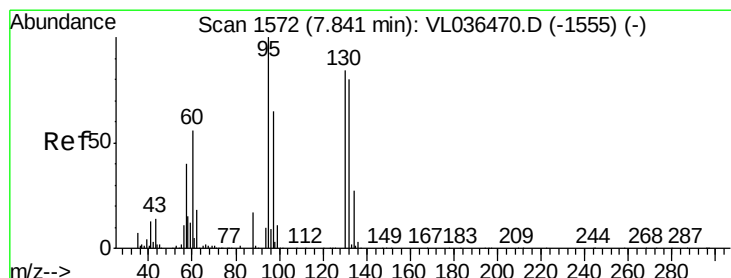
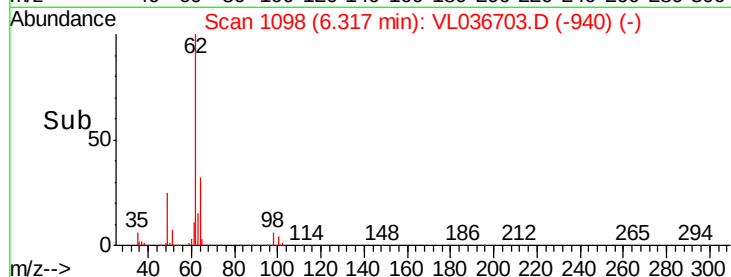
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 8.630 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Tgt Ion:130 Resp: 1049207

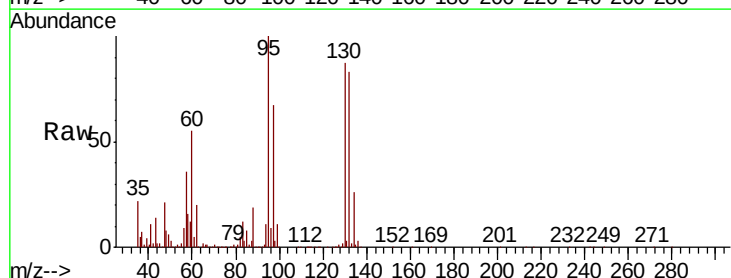
Ion Ratio Lower Upper

130 100

95 114.6 95.7 143.5

132 94.9 76.2 114.4

97 76.8 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

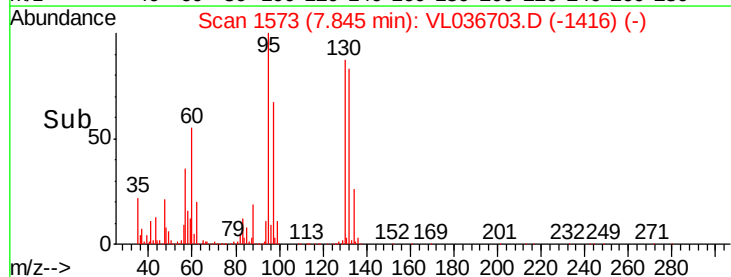
600000

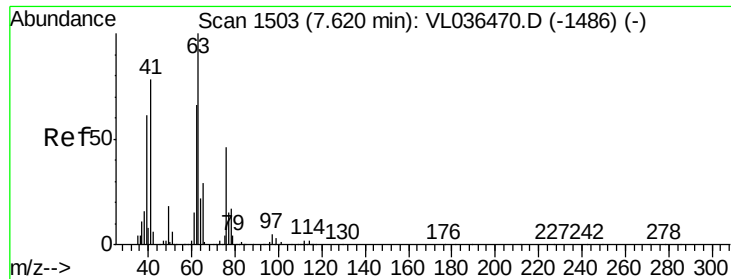
400000

200000

0

Time--> 7.70 7.80 7.90

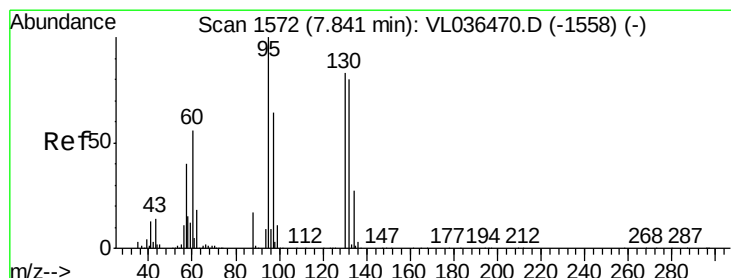
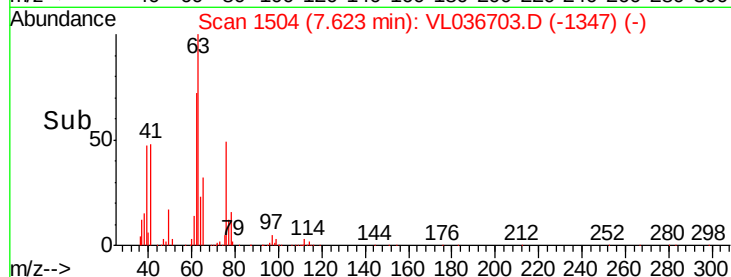
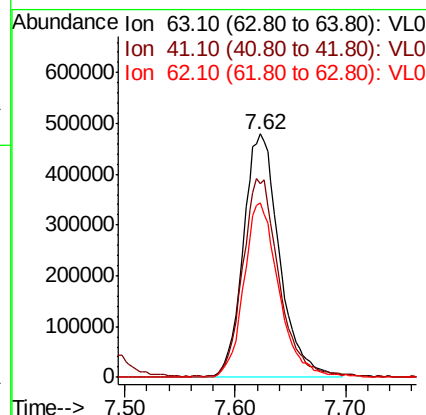
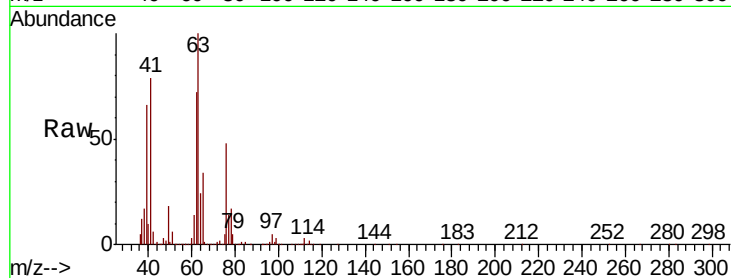




#39
 1,2-Dichloropropane
 Concen: 8.579 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

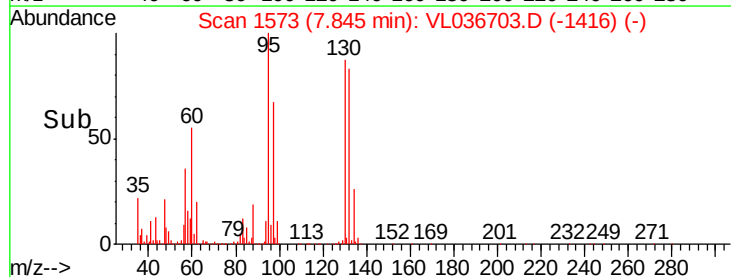
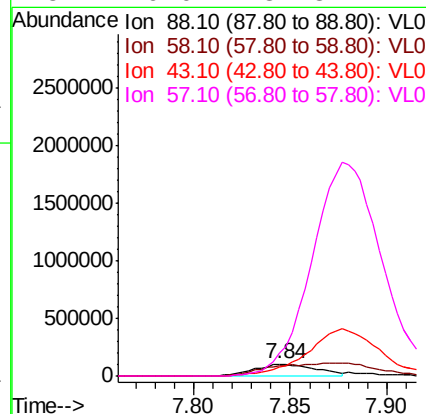
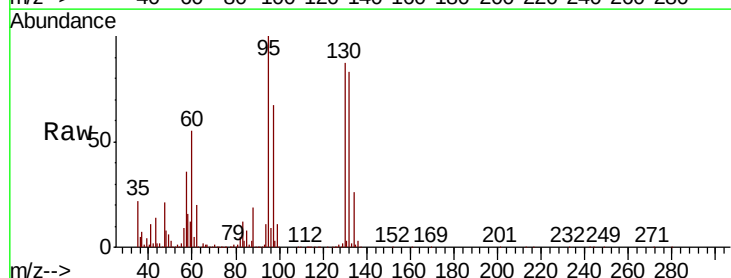
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

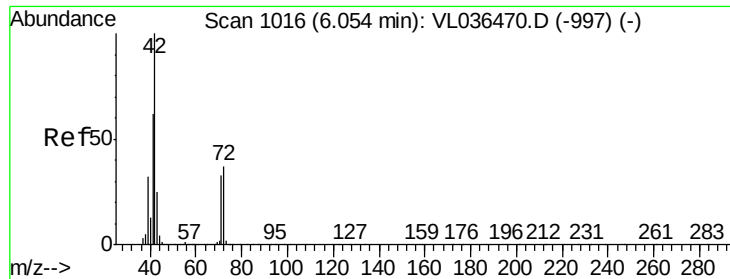
Tot Ion: 63 Resp: 1087190
 Ion Ratio Lower Upper
 63 100
 41 78.9 62.4 93.6
 62 71.8 52.8 79.2



#40
 1,4-Dioxane
 Concen: 7.363 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Tgt Ion: 88 Resp: 217185
 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#

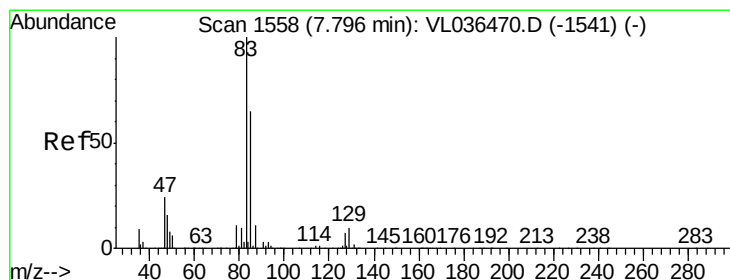
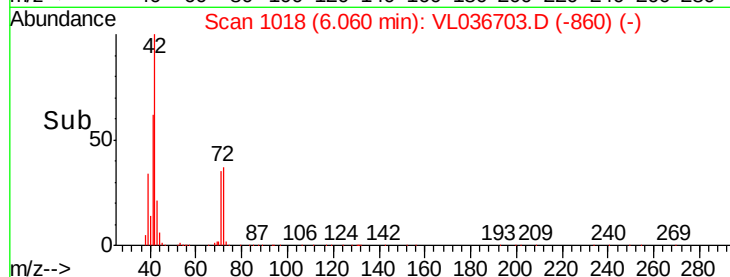
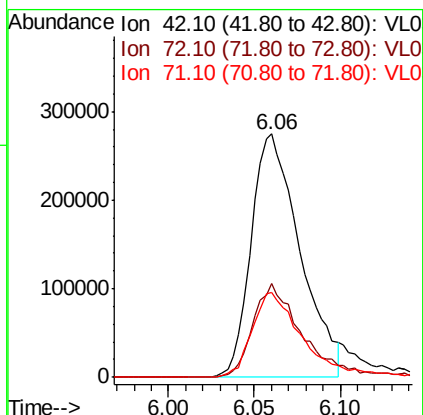
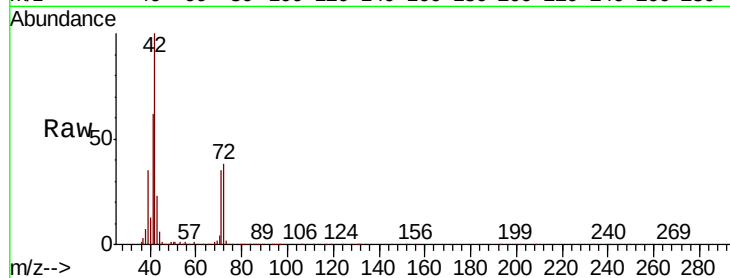




#41
Tetrahydrofuran
Concen: 7.091 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

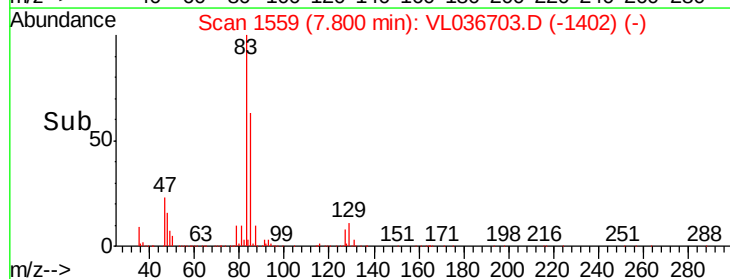
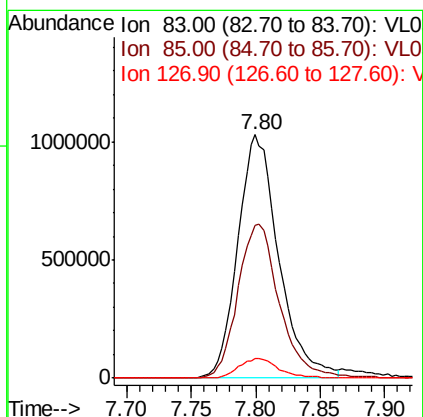
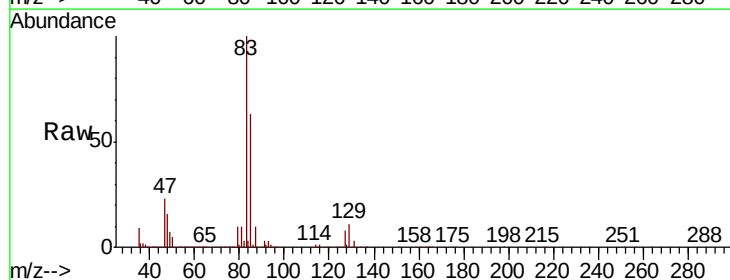
Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

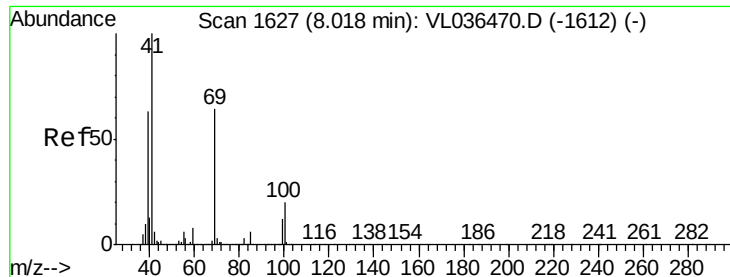
Tot Ion: 42 Resp: 540606
Ion Ratio Lower Upper
42 100
72 40.0 27.6 41.4
71 36.8 27.0 40.4



#42
Bromodichloromethane
Concen: 9.106 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 83 Resp: 2277633
Ion Ratio Lower Upper
83 100
85 62.5 51.8 77.6
127 8.2 5.8 8.8

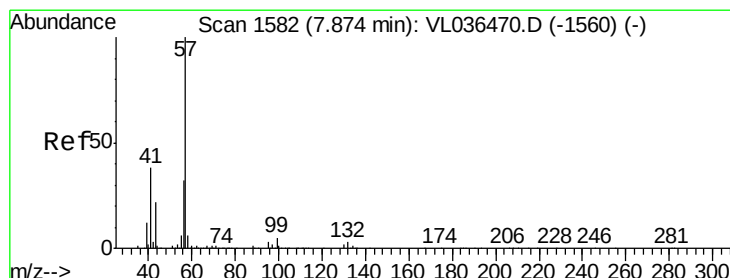
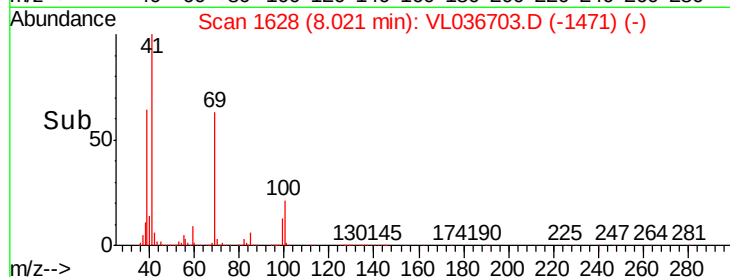
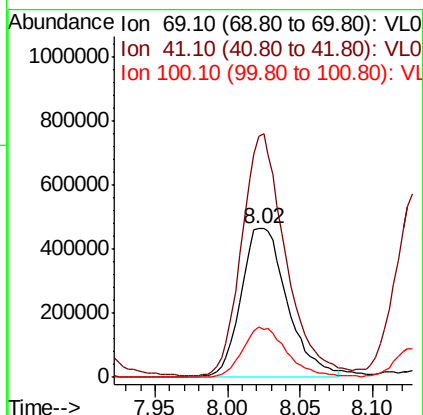
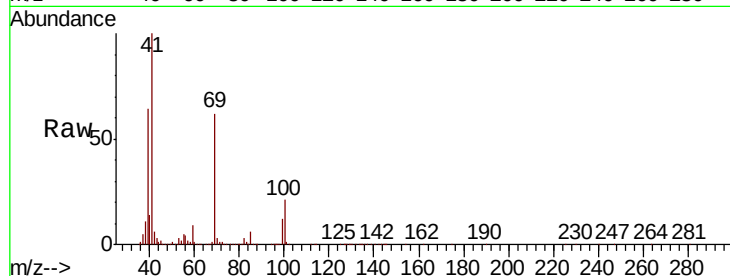




#43
Methyl Methacrylate
Concen: 9.795 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

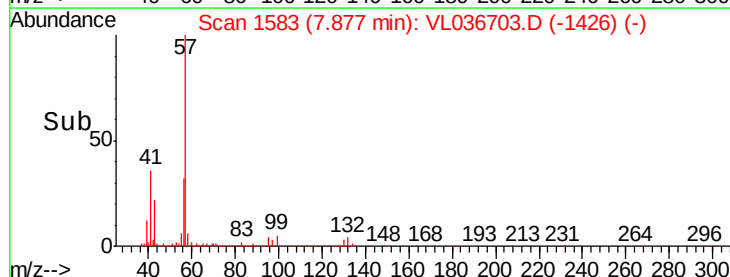
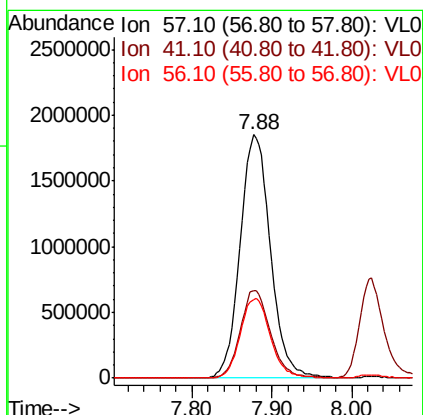
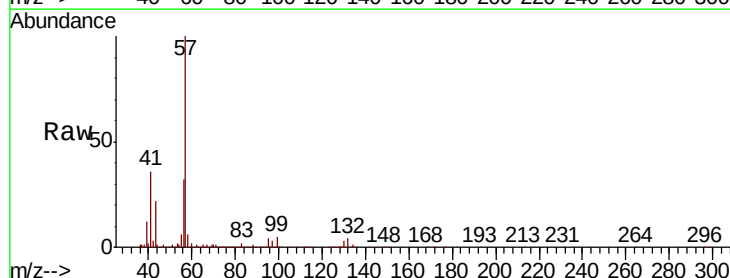
Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

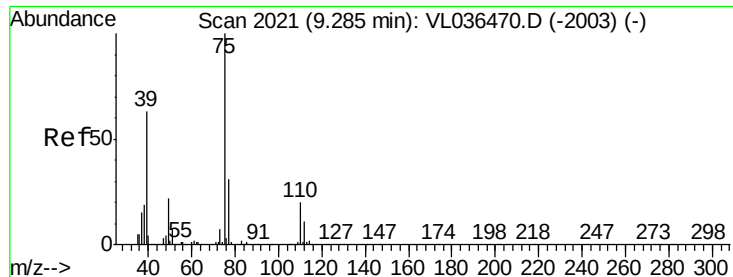
Tot Ion: 69 Resp: 1027587
Ion Ratio Lower Upper
69 100
41 156.4 126.8 190.2
100 32.5 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 8.613 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 57 Resp: 4736095
Ion Ratio Lower Upper
57 100
41 35.6 28.8 43.2
56 32.6 26.1 39.1

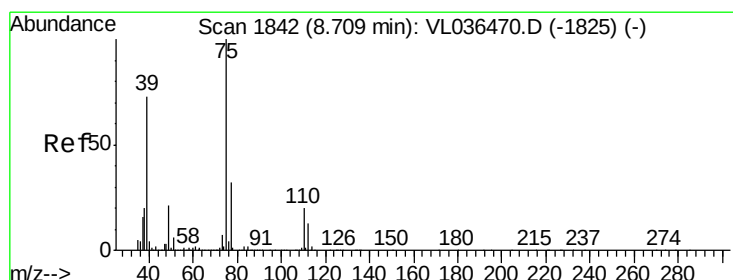
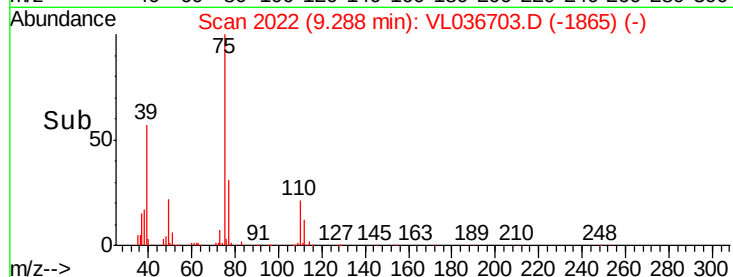
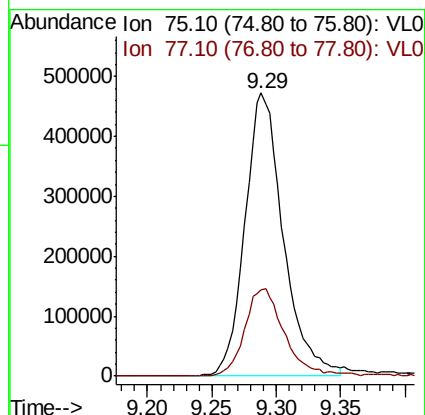
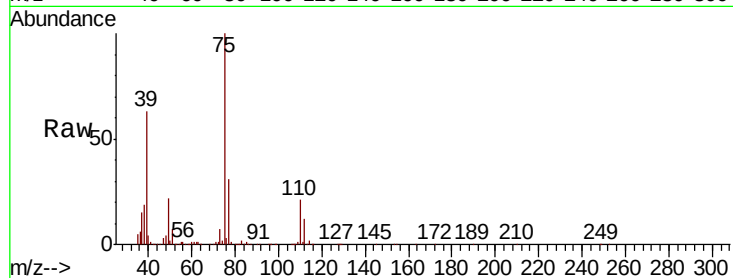




#45
t-1,3-Dichloropropene
Concen: 8.144 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

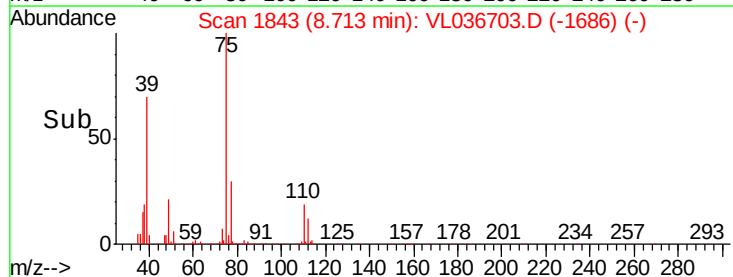
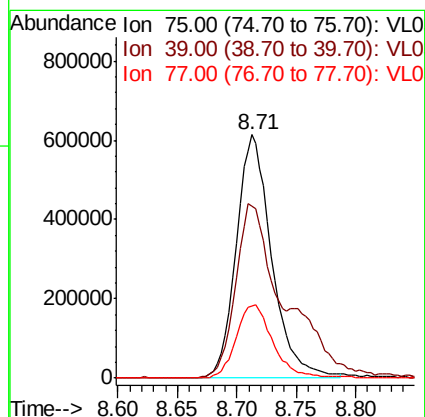
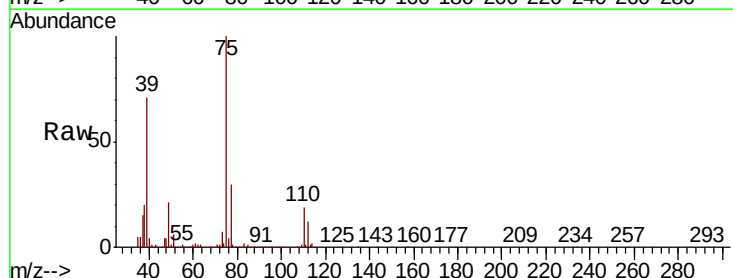
Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

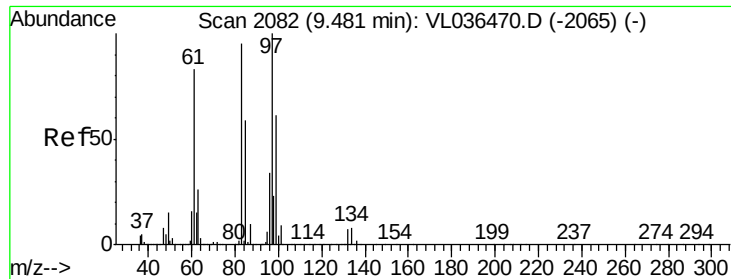
Tot Ion: 75 Resp: 975626
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 8.260 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 75 Resp: 1264774
Ion Ratio Lower Upper
75 100
39 70.4 58.2 87.2
77 29.6 25.2 37.8



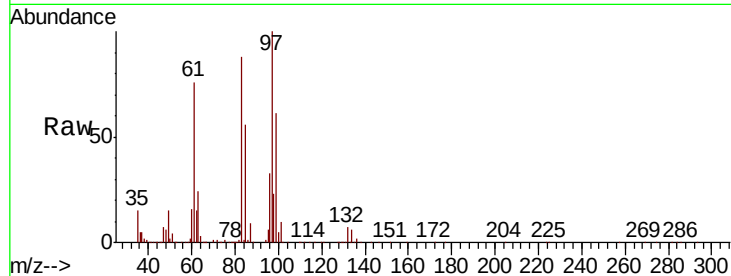


#47
 1,1,2-Trichloroethane
 Concen: 8.911 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

Tot Ion: 97 Resp: 1143842

Ion	Ratio	Lower	Upper
97	100		
83	88.2	75.8	113.8
85	56.2	47.1	70.7
99	61.2	49.2	73.8



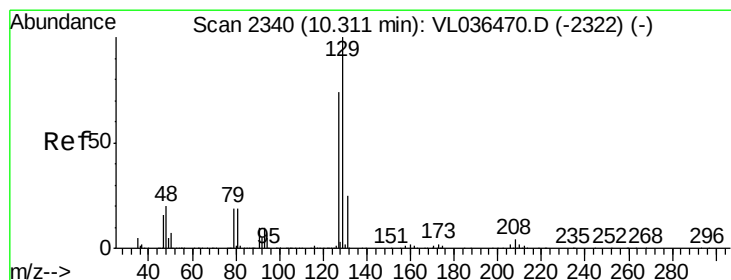
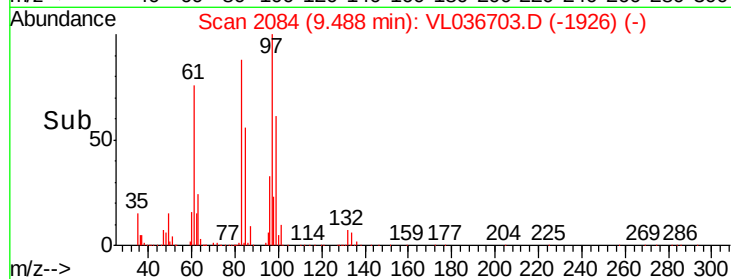
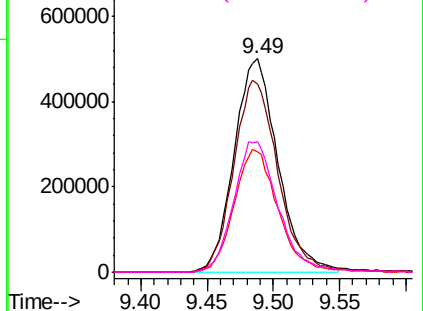
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

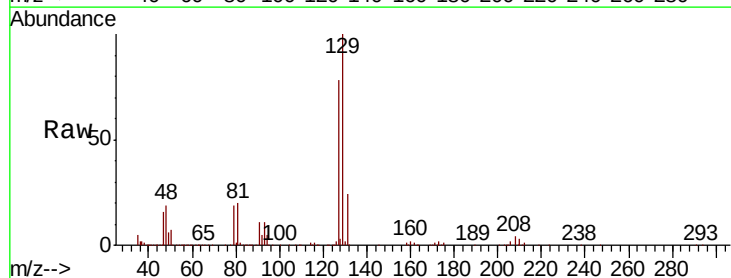
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.579 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Tgt Ion: 129 Resp: 1874418

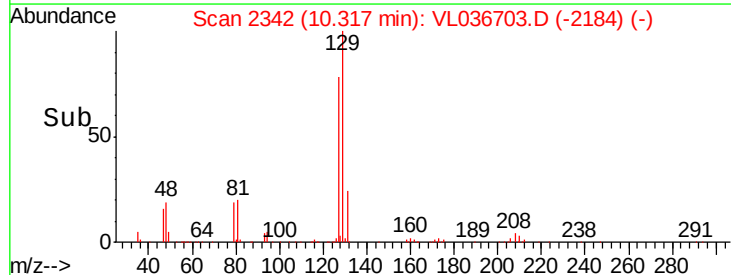
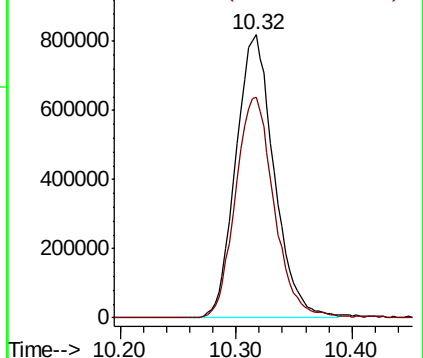
Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8

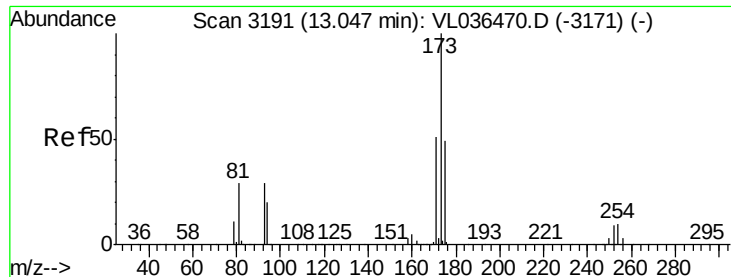


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.915 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

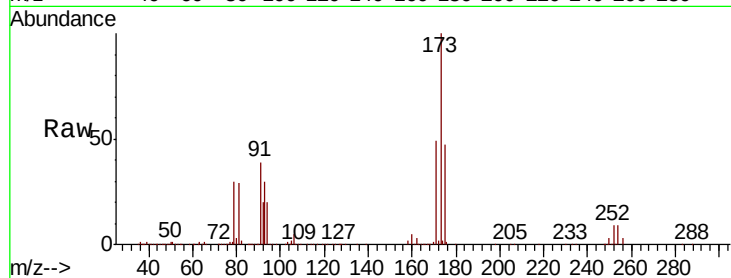
Tot Ion:173 Resp: 1563254

Ion Ratio Lower Upper

173 100

175 50.2 39.6 59.4

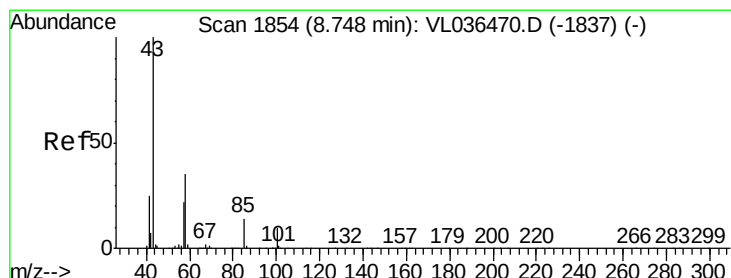
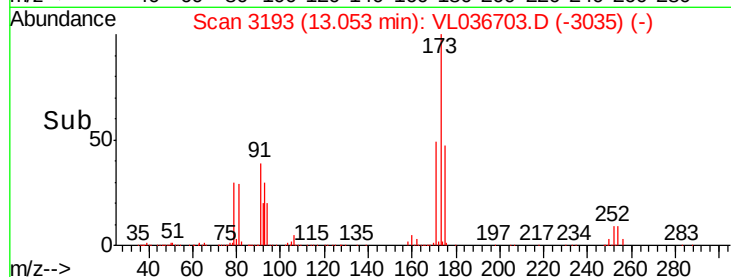
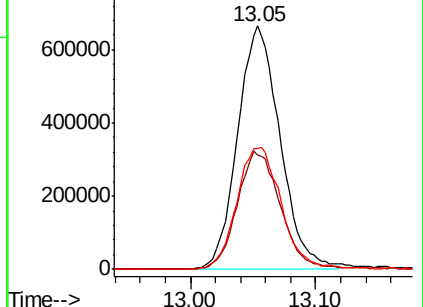
171 53.5 41.4 62.0



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: 8.226 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL036703.D

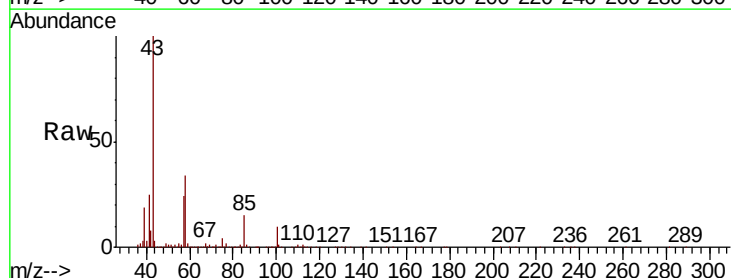
Acq: 6 Apr 2021 17:54

Tgt Ion: 43 Resp: 1968165

Ion Ratio Lower Upper

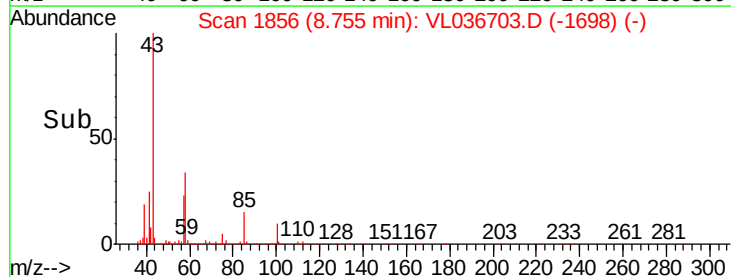
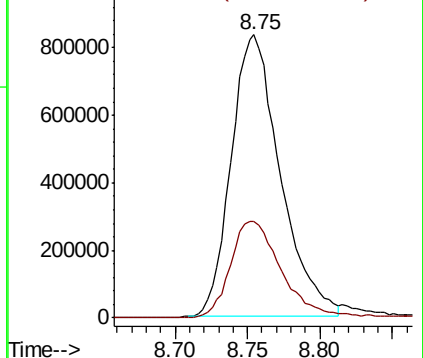
43 100

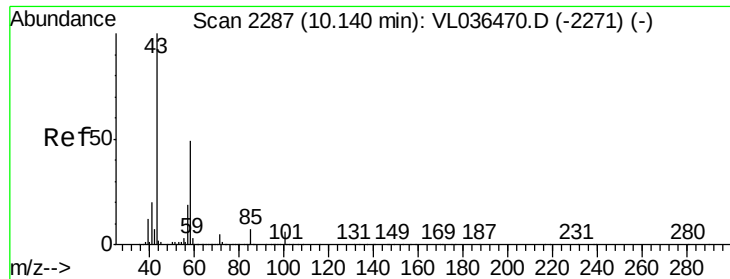
58 36.1 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

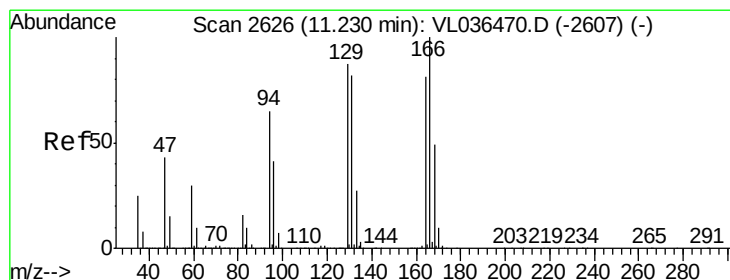
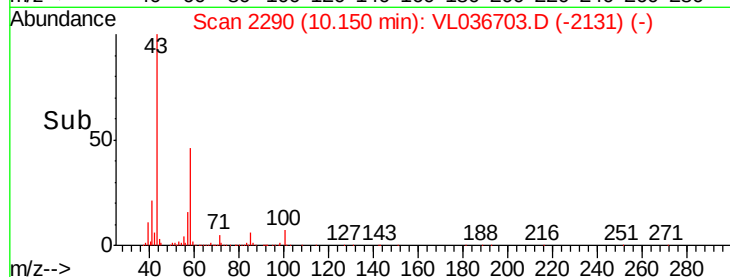
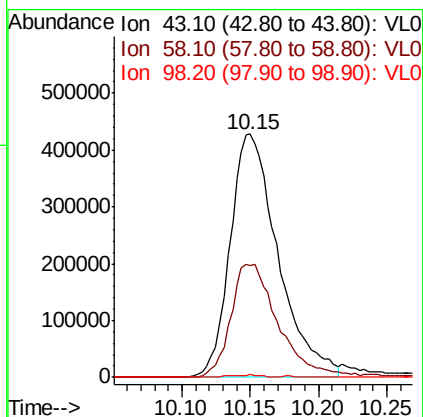
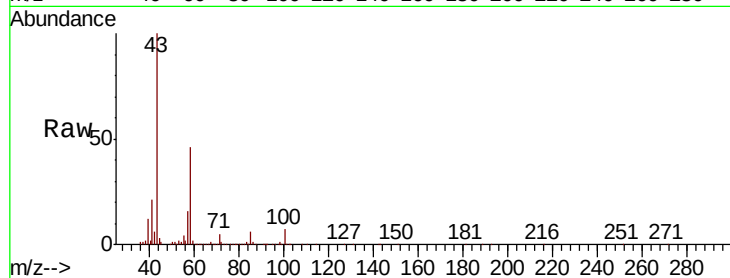




#51
2-Hexanone
Concen: 8.621 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

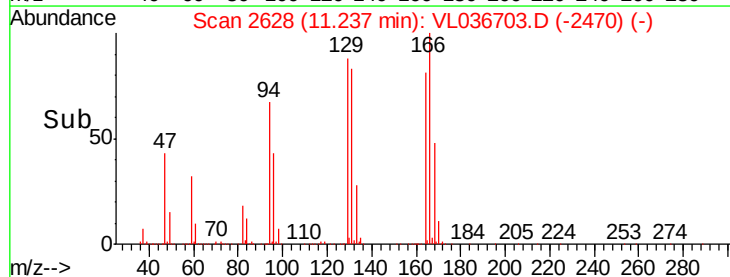
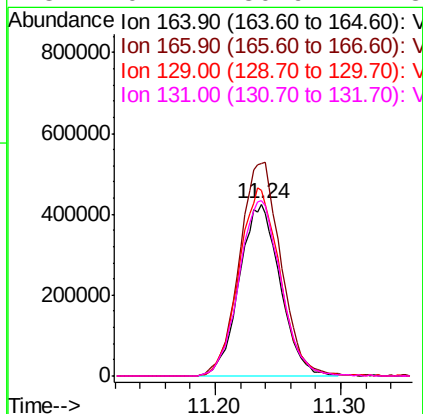
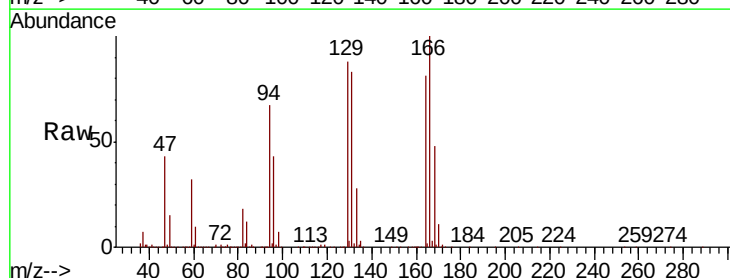
Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

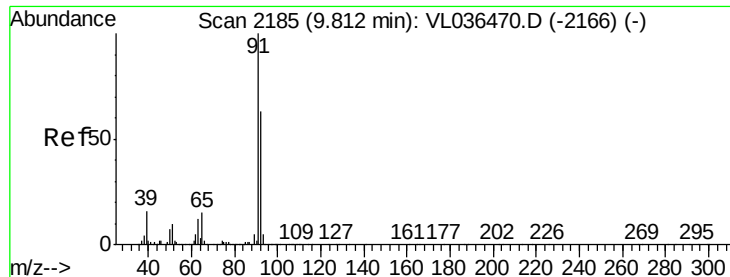
Tot Ion: 43 Resp: 1040924
Ion Ratio Lower Upper
43 100
58 47.3 37.7 56.5
98 0.7 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.319 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion:164 Resp: 957051
Ion Ratio Lower Upper
164 100
166 123.5 98.3 147.5
129 108.1 85.8 128.8
131 102.1 80.9 121.3





#53

Toluene

Concen: 9.371 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

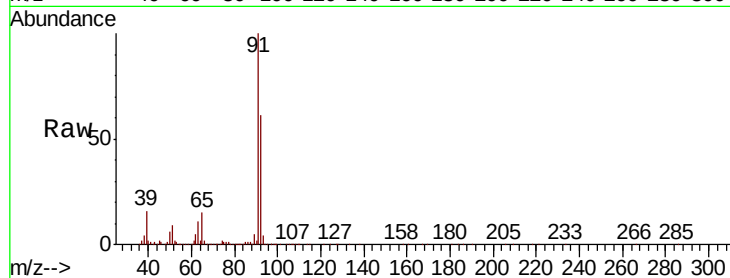
VL0406ABS01

Tot Ion: 91 Resp: 3117839

Ion Ratio Lower Upper

91 100

92 61.7 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

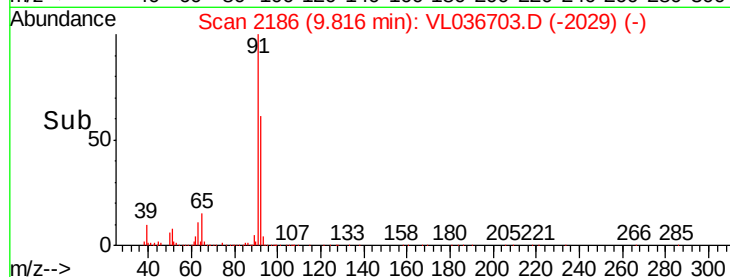
1500000

1000000

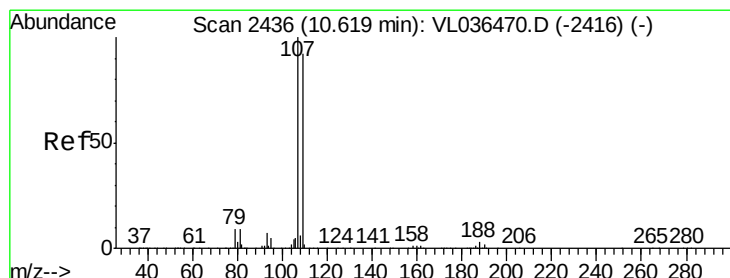
500000

0

9.70 9.75 9.80 9.85 9.90



Time-->



#54

1,2-Dibromoethane

Concen: 8.872 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VL036703.D

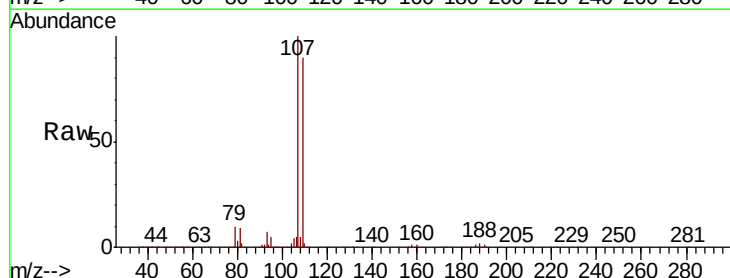
Acq: 6 Apr 2021 17:54

Tgt Ion: 107 Resp: 1608350

Ion Ratio Lower Upper

107 100

109 90.1 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

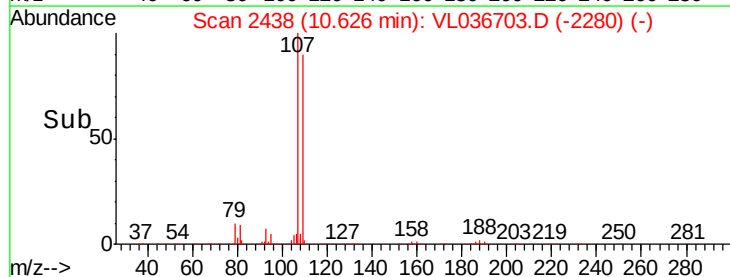
600000

400000

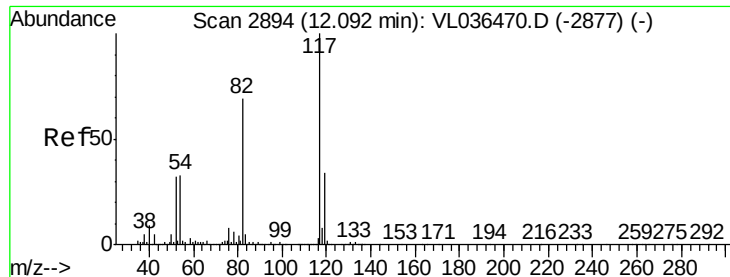
200000

0

10.55 10.60 10.65 10.70



Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

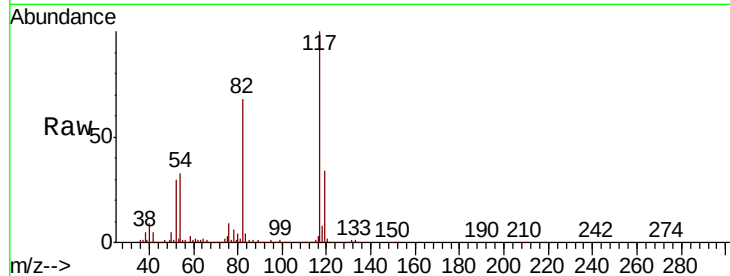
Tot Ion:117 Resp: 3188946

Ion Ratio Lower Upper

117 100

82 67.8 57.4 86.0

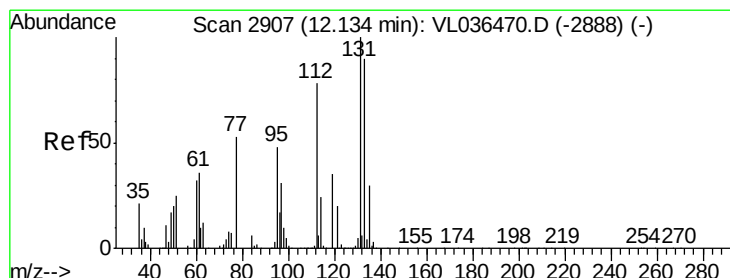
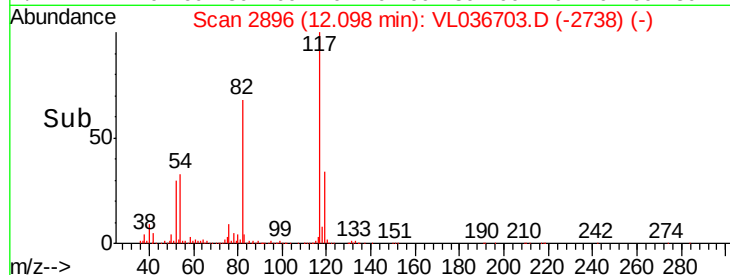
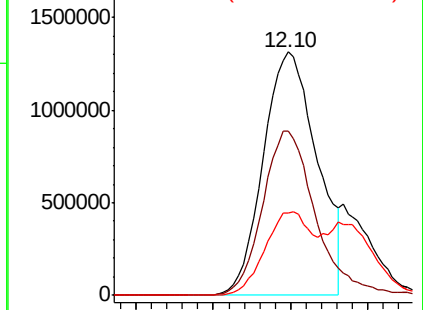
119 33.9 47.4 71.0#



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: 9.157 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

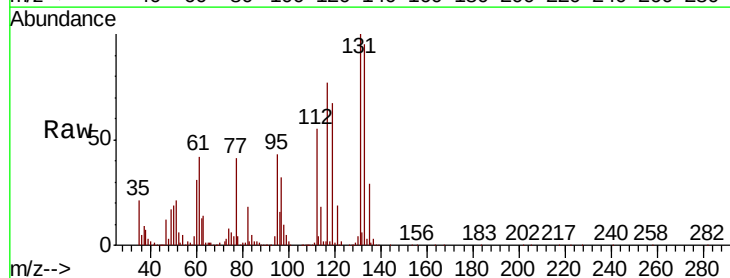
Tgt Ion:131 Resp: 1320712

Ion Ratio Lower Upper

131 100

133 96.2 75.8 113.6

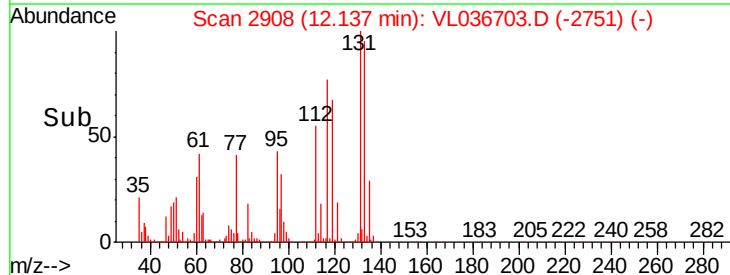
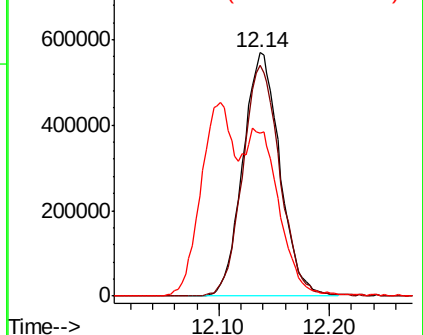
119 61.4 48.7 73.1

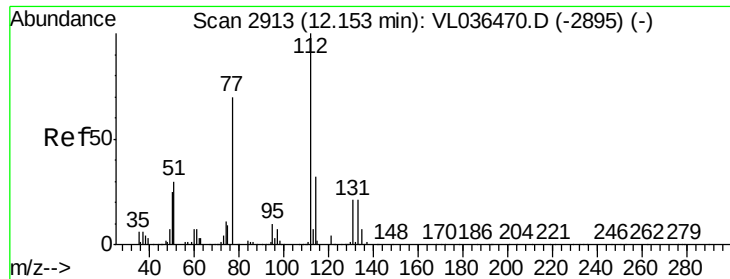


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

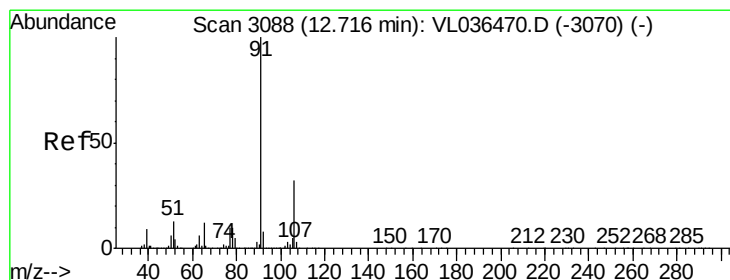
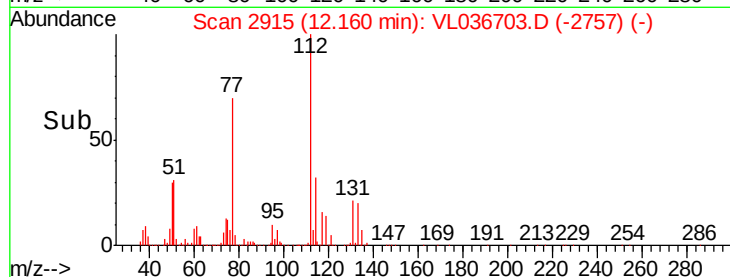
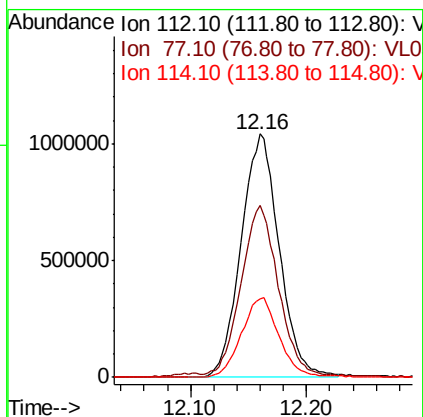
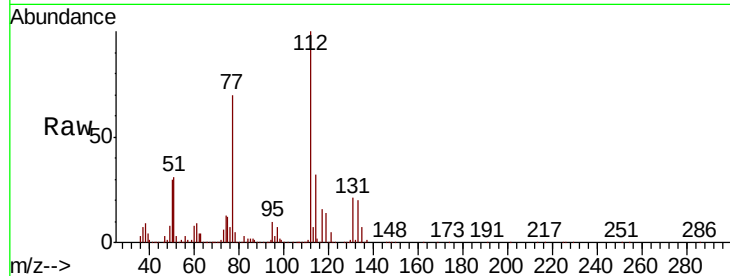




#57
Chlorobenzene
Concen: 8.777 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

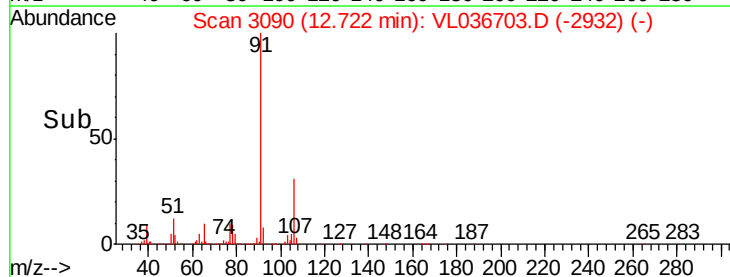
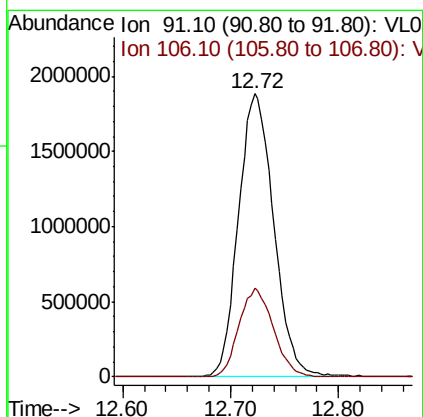
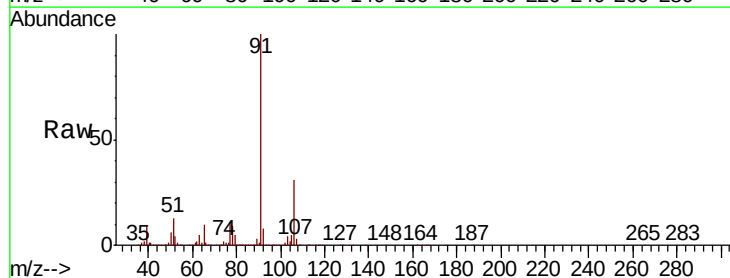
Instrument :
MSVOA_L
ClientSampleId :
VL0406ABS01

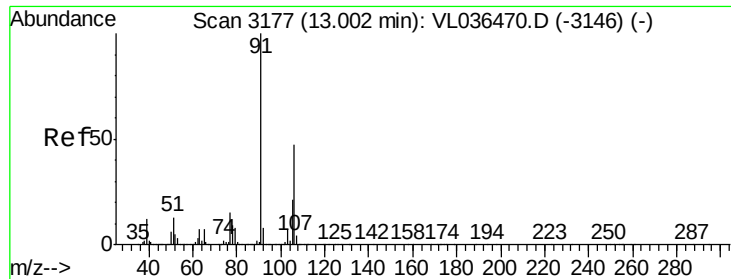
Tot Ion:112 Resp: 2381510
Ion Ratio Lower Upper
112 100
77 69.5 56.0 84.0
114 32.4 29.0 35.4



#58
Ethyl Benzene
Concen: 9.203 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.01 min
Lab File: VL036703.D
Acq: 6 Apr 2021 17:54

Tgt Ion: 91 Resp: 4269722
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9





#59

m/p-Xylene

Concen: 8.596 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

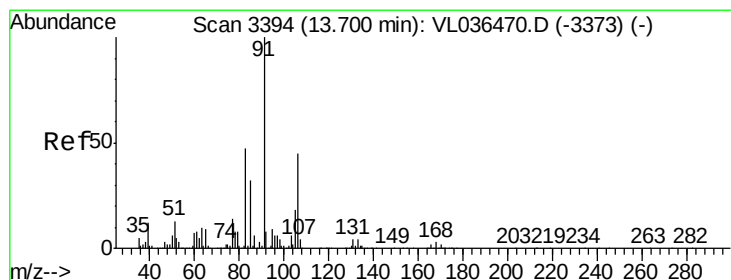
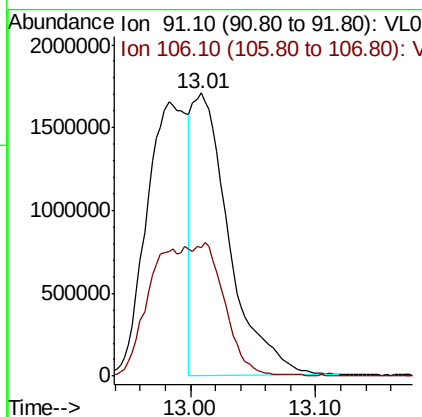
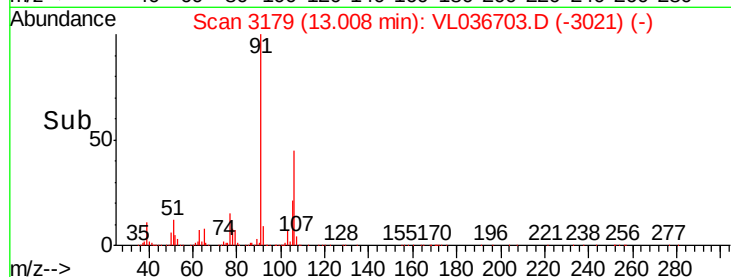
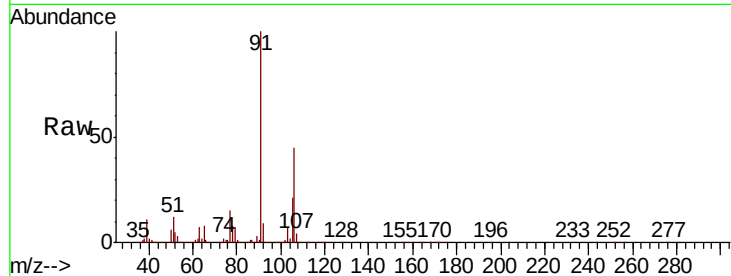
VL0406ABS01

Tot Ion: 91 Resp: 3478427

Ion Ratio Lower Upper

91 100

106 92.7 35.3 52.9#



#60

o-Xylene

Concen: 8.845 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VL036703.D

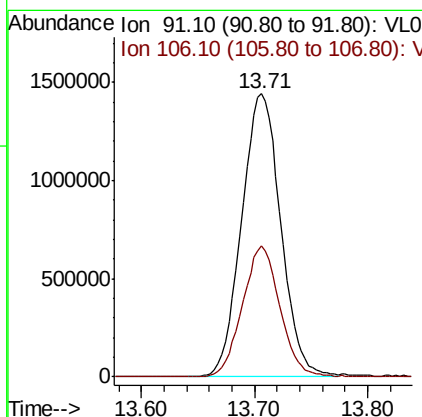
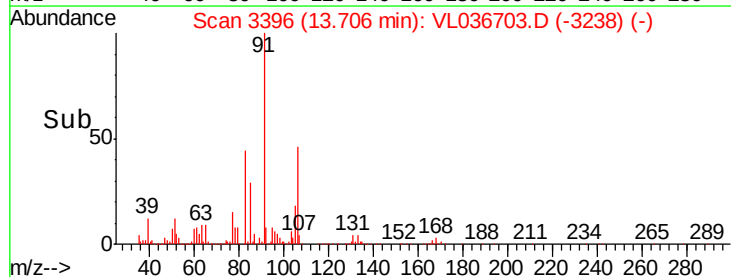
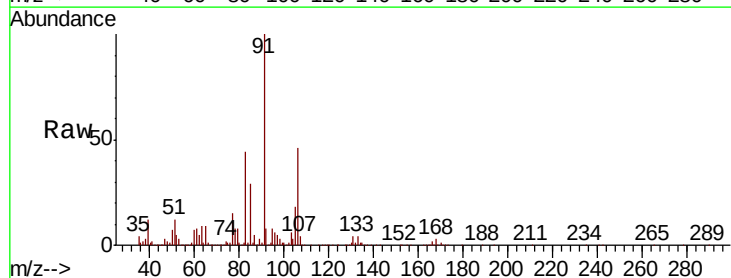
Acq: 6 Apr 2021 17:54

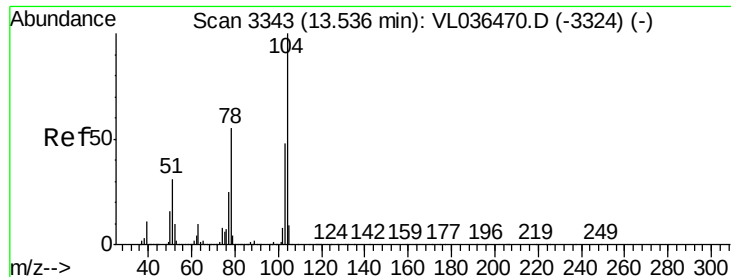
Tgt Ion: 91 Resp: 3460930

Ion Ratio Lower Upper

91 100

106 44.7 22.3 66.9





#61

Stvrene

Concen: 9.605 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

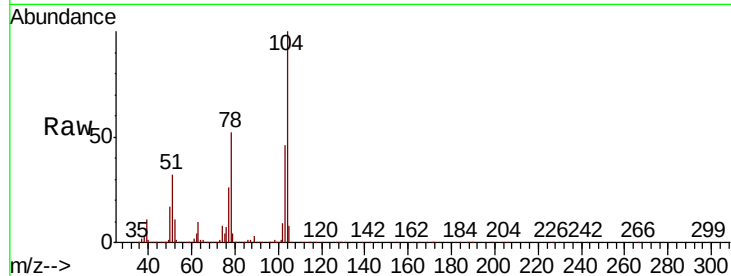
Tot Ion:104 Resp: 1890637

Ion Ratio Lower Upper

104 100

78 54.3 43.8 65.8

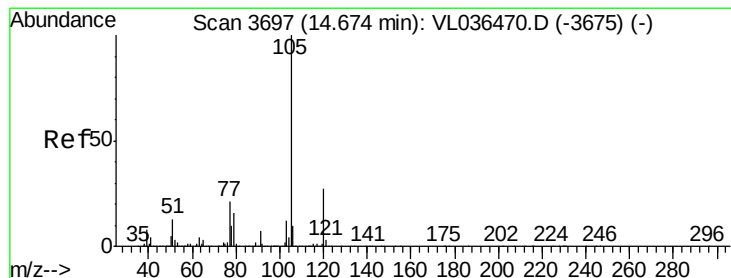
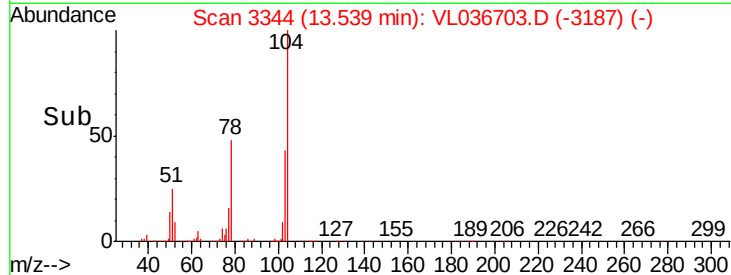
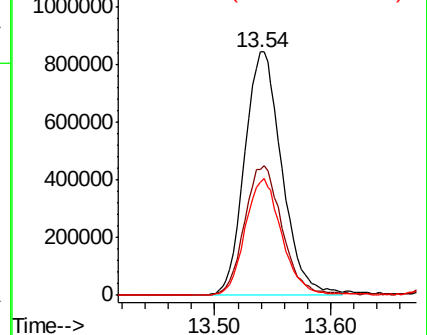
103 47.4 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.120 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.01 min

Lab File: VL036703.D

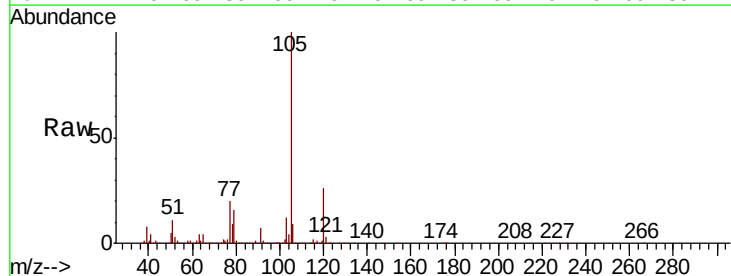
Acq: 6 Apr 2021 17:54

Tgt Ion:105 Resp: 4805206

Ion Ratio Lower Upper

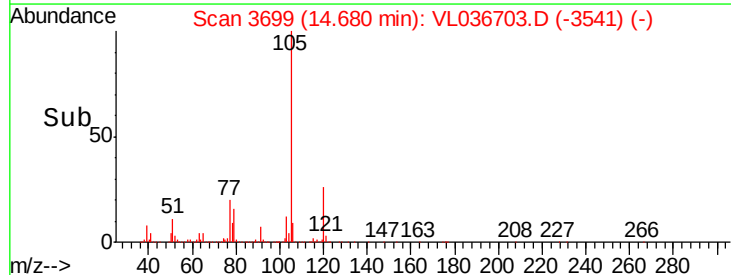
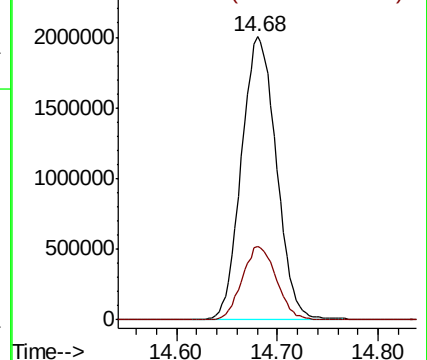
105 100

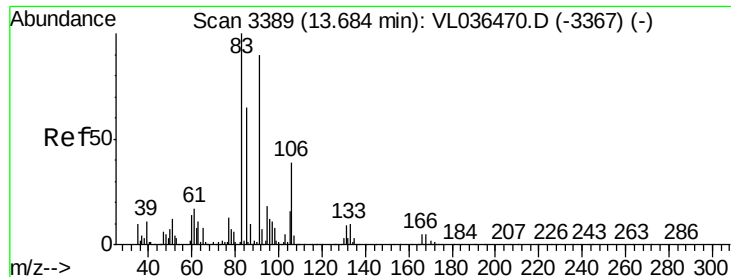
120 25.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.607 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

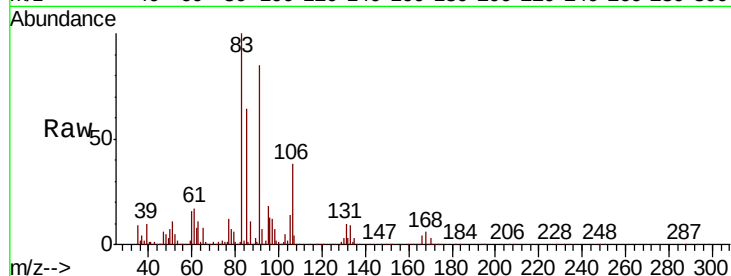
Tot Ion: 83 Resp: 2568941

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

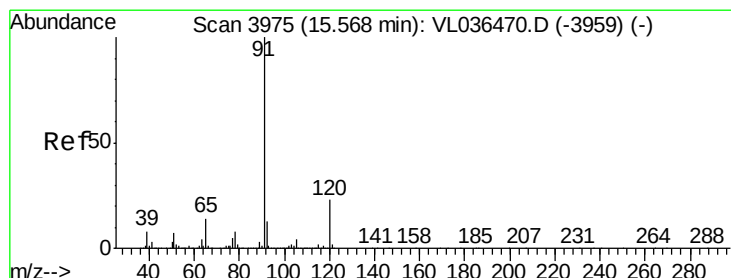
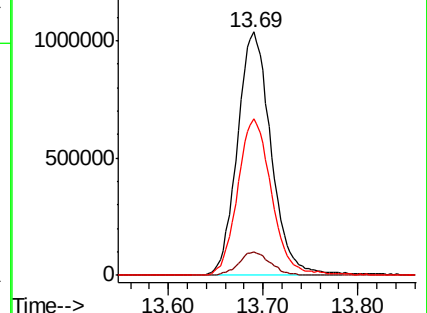
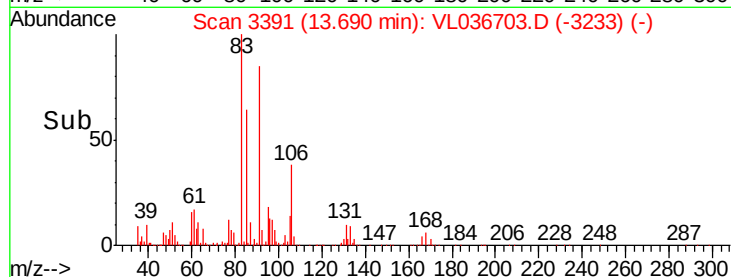
85 65.0 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.754 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.01 min

Lab File: VL036703.D

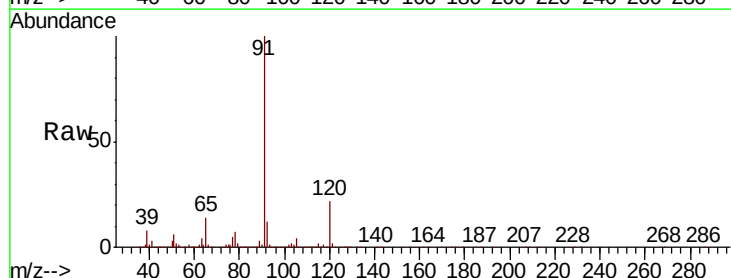
Acq: 6 Apr 2021 17:54

Tgt Ion:120 Resp: 1256562

Ion Ratio Lower Upper

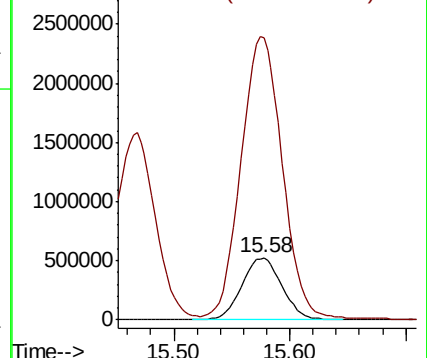
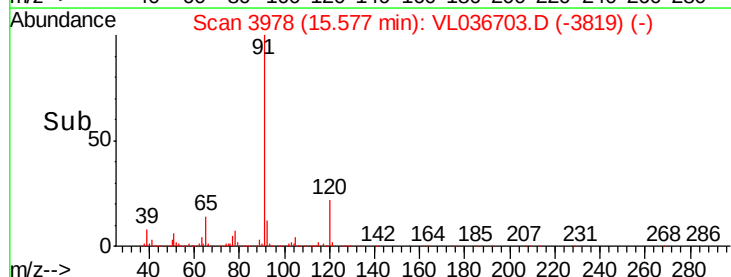
120 100

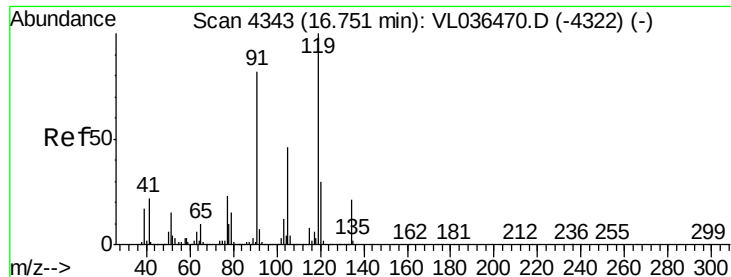
91 474.2 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.225 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

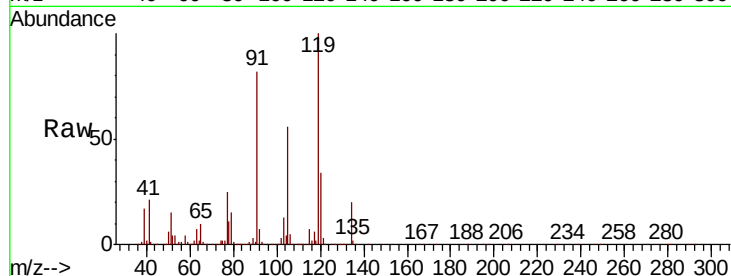
Tot Ion:119 Resp: 4214923

Ion Ratio Lower Upper

119 100

91 83.7 67.5 101.3

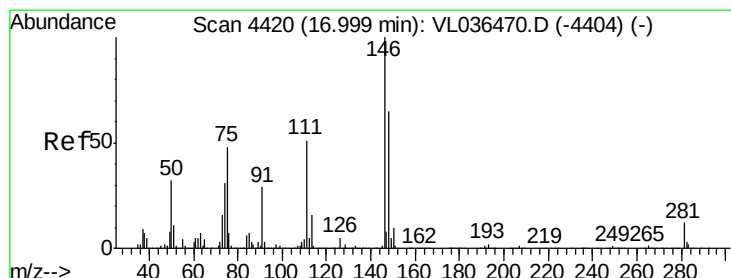
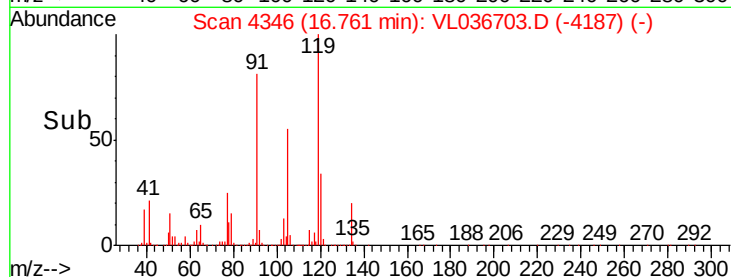
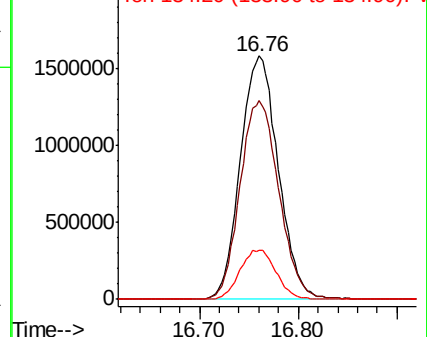
134 19.5 15.8 23.8



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: 6.178 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

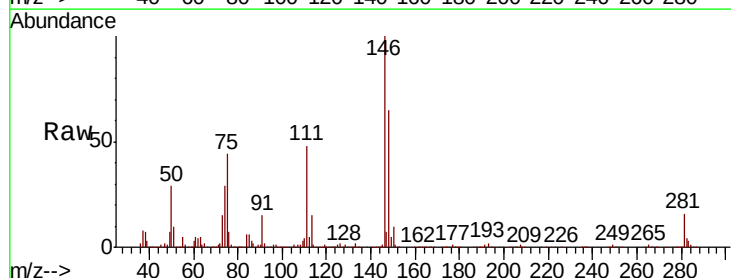
Tgt Ion: 91 Resp: 311997

Ion Ratio Lower Upper

91 100

126 18.4 13.5 20.3

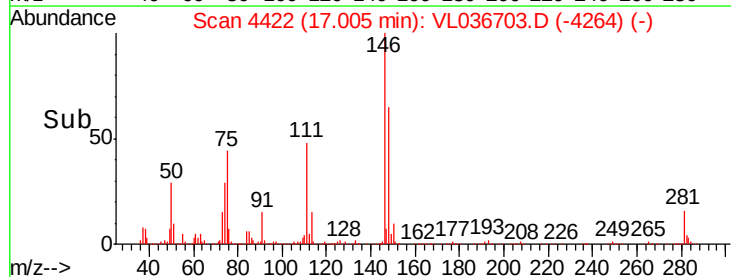
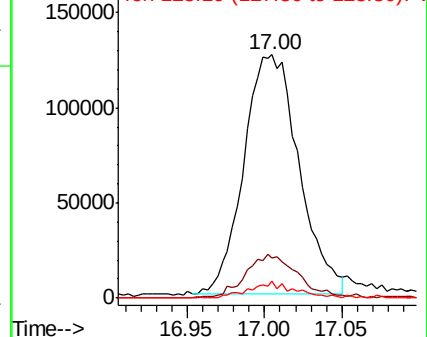
128 6.1 4.2 6.4

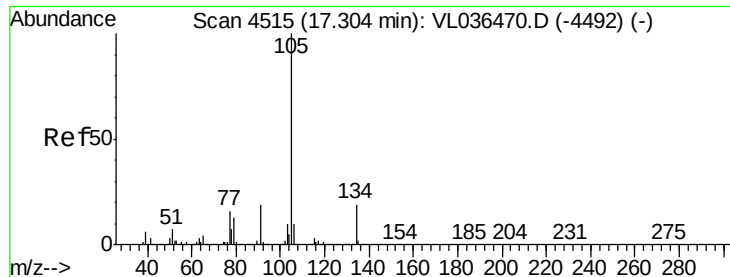


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

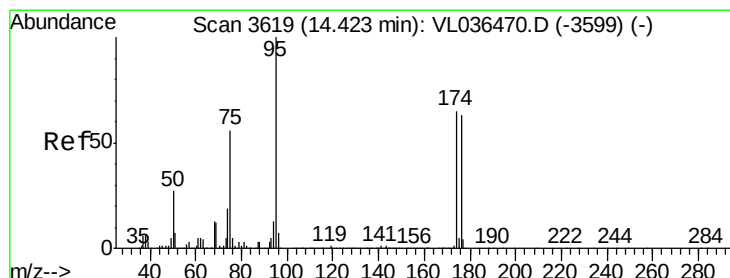
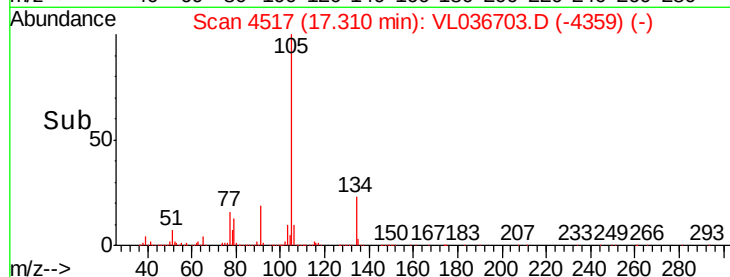
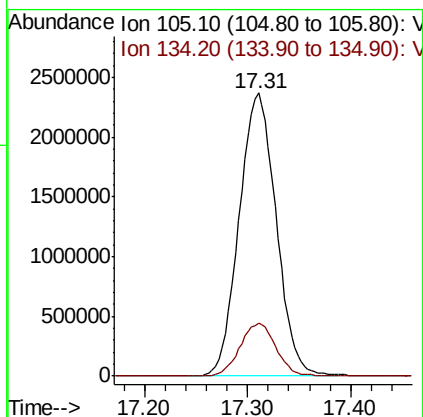
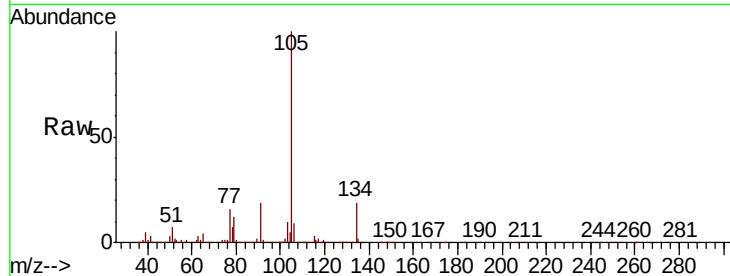




#67
 sec-Butylbenzene
 Concen: 9.167 ppbv
 RT: 17.31 min Scan# 4517
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

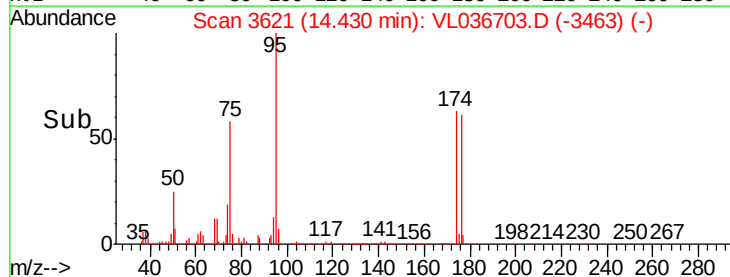
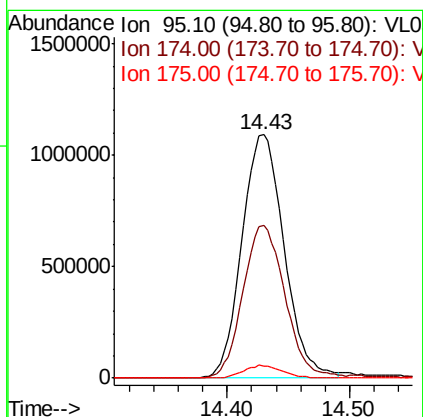
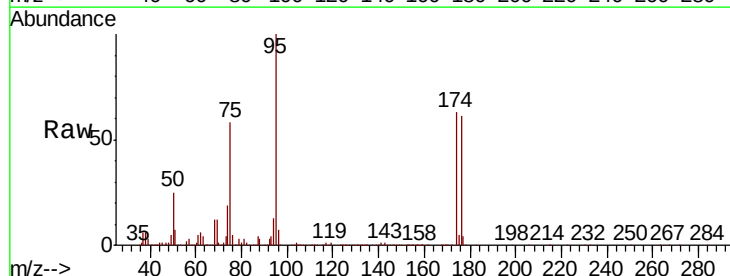
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

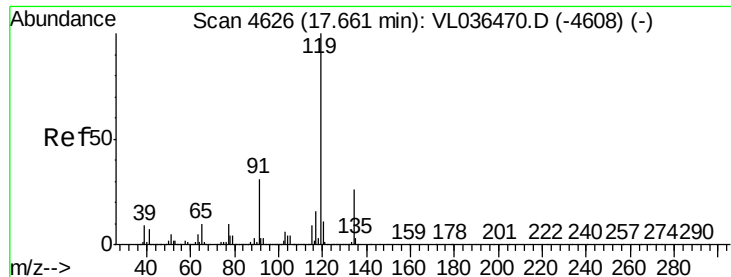
Tot Ion:105 Resp: 5912091
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.298 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Tgt Ion: 95 Resp: 2617453
 Ion Ratio Lower Upper
 95 100
 174 64.3 51.0 76.6
 175 4.9 3.9 5.9

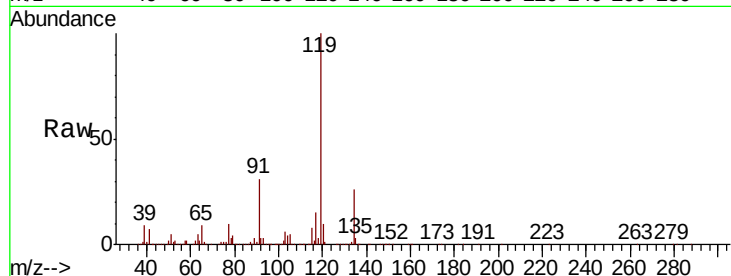




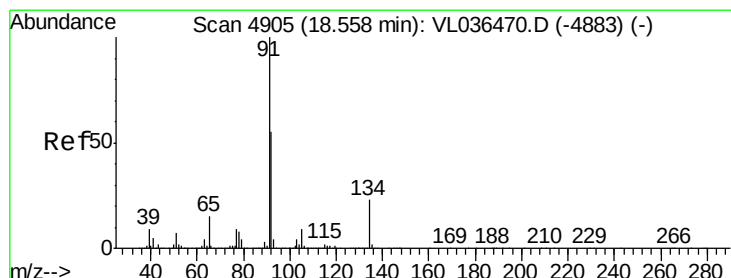
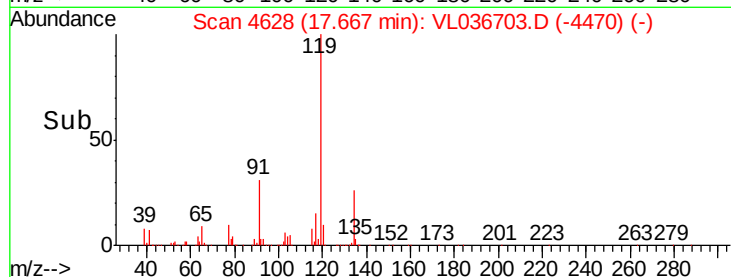
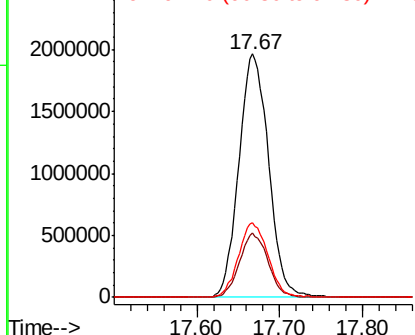
#69
 p-Isopropyltoluene
 Concen: 9.710 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

Tot Ion: 119 Resp: 4890428
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.6 30.8
 91 30.4 25.0 37.6

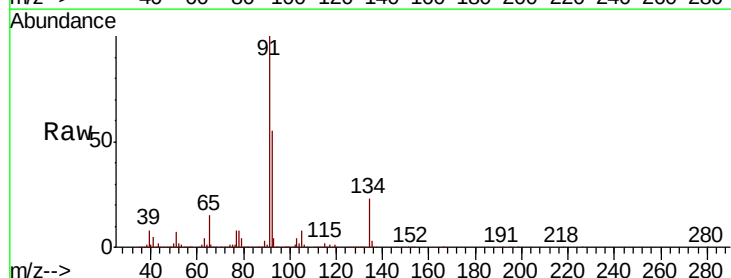


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

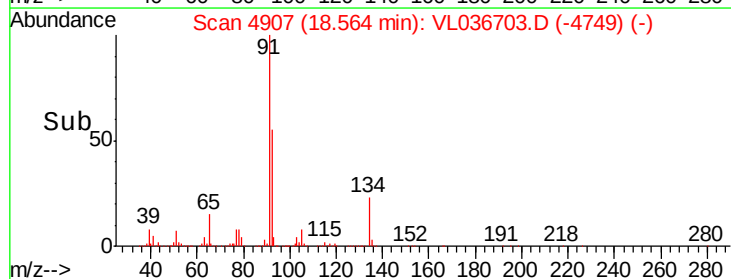
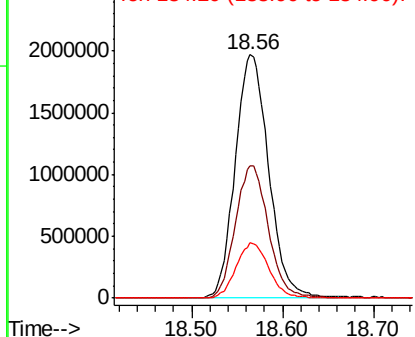


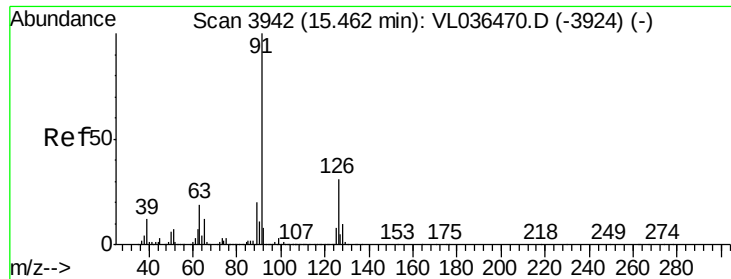
#70
 n-Butylbenzene
 Concen: 9.637 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Tgt Ion: 91 Resp: 5032225
 Ion Ratio Lower Upper
 91 100
 92 53.9 43.8 65.8
 134 22.2 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: 9.410 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

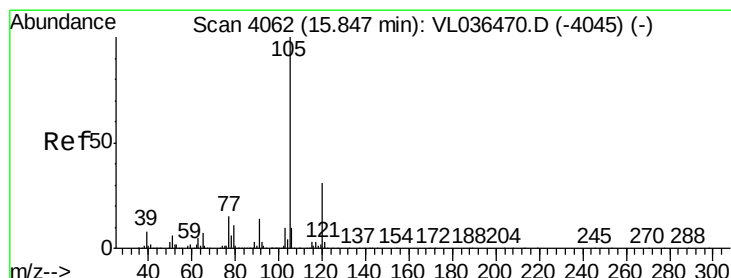
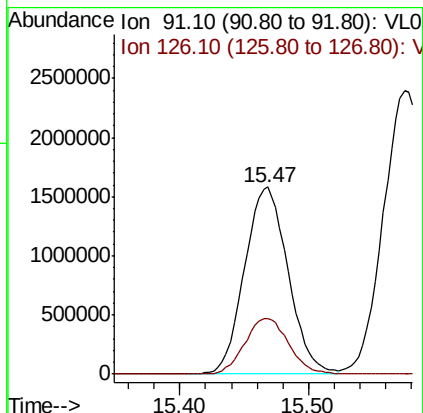
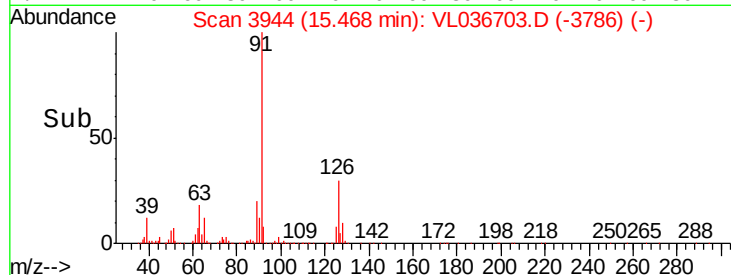
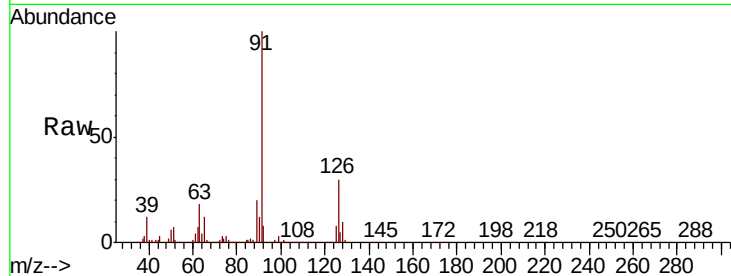
VL0406ABS01

Tot Ion: 91 Resp: 3715370

Ion Ratio Lower Upper

91 100

126 30.2 12.1 48.5



#72

4-Ethyltoluene

Concen: 9.679 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Tgt Ion:105 Resp: 4149792

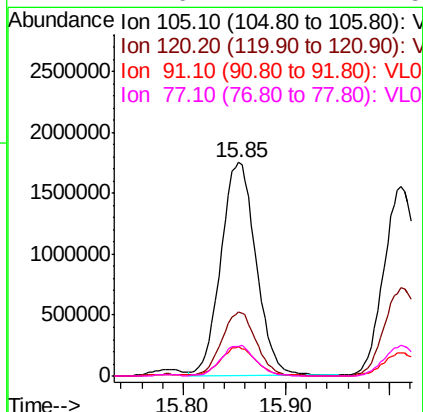
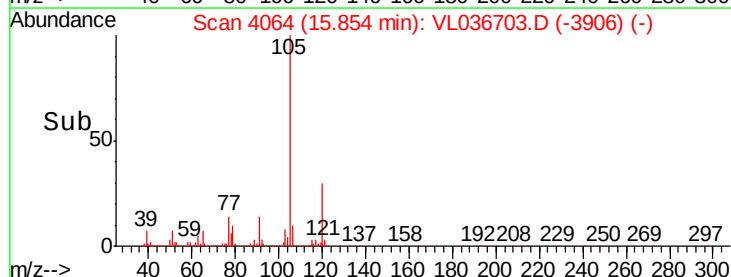
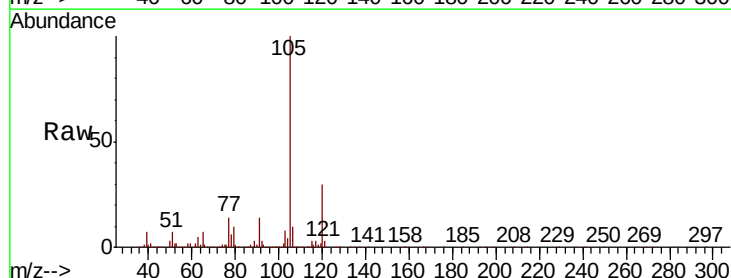
Ion Ratio Lower Upper

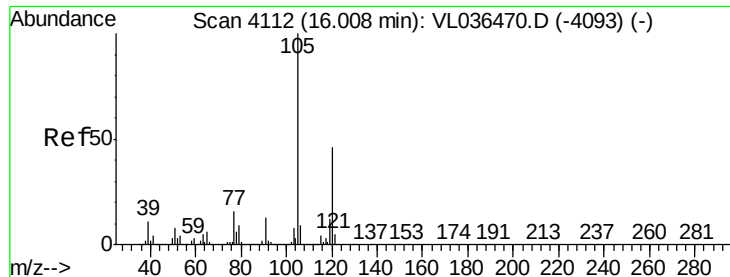
105 100

120 30.4 24.0 36.0

91 13.6 11.0 16.4

77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.180 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

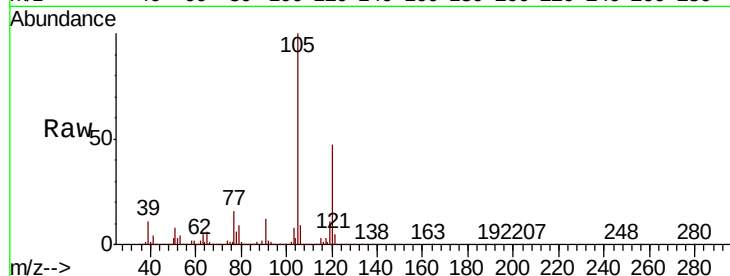
VL0406ABS01

Tot Ion:105 Resp: 3673488

Ion Ratio Lower Upper

105 100

120 47.0 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

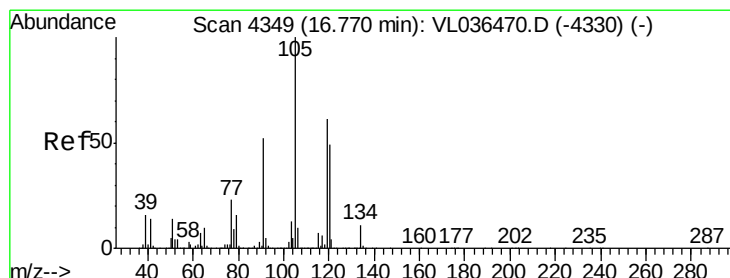
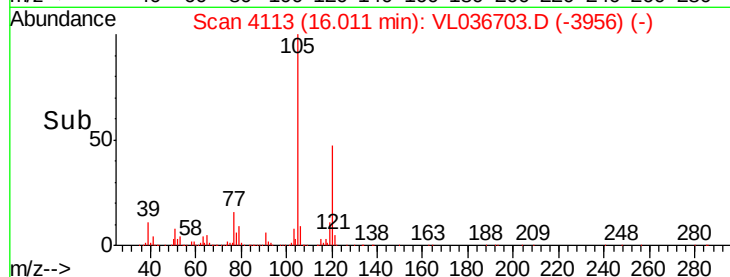
1000000

500000

0

15.90 16.01 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.981 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Tgt Ion:105 Resp: 3845956

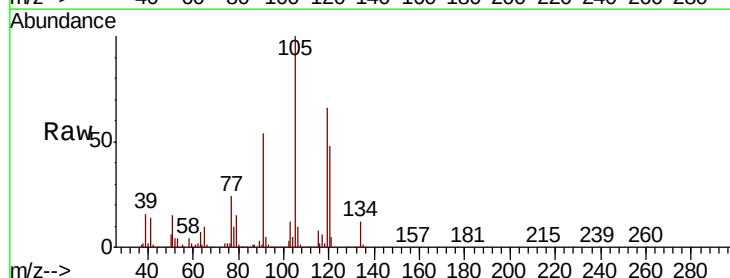
Ion Ratio Lower Upper

105 100

120 47.8 39.2 58.8

91 53.8 42.6 64.0

77 24.0 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

2000000

1500000

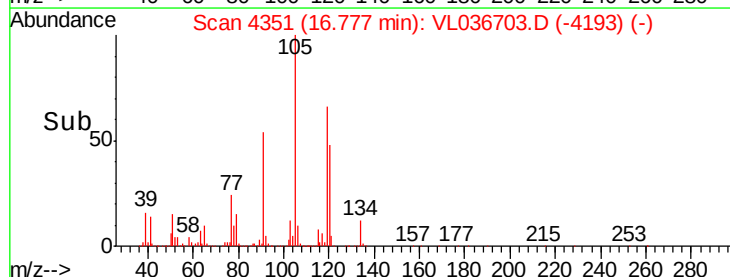
1000000

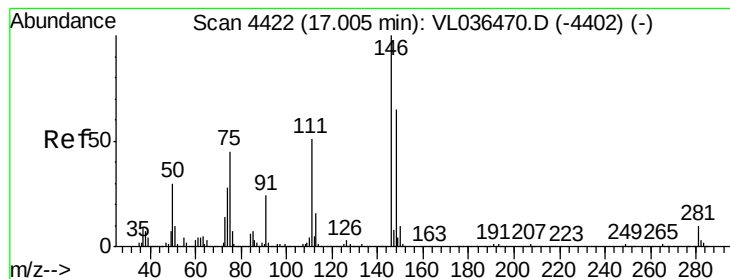
500000

0

16.70 16.78 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.425 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

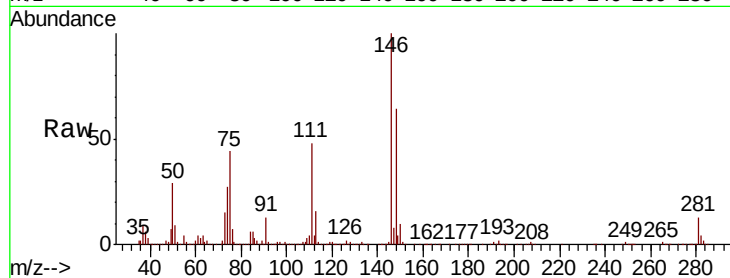
Tot Ion:146 Resp: 2271871

Ion Ratio Lower Upper

146 100

111 49.0 24.5 73.5

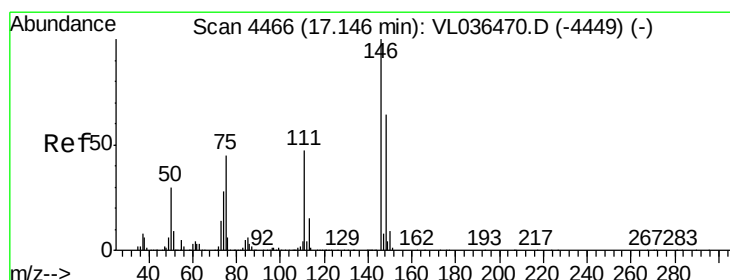
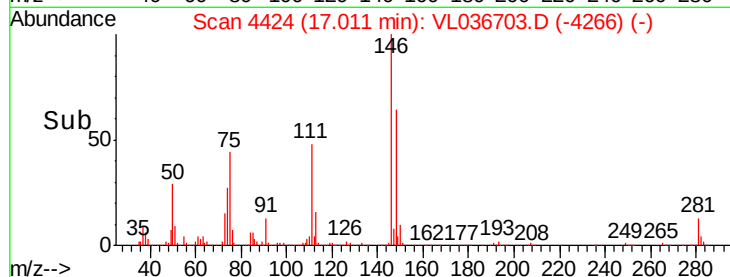
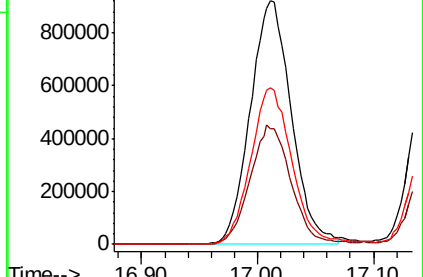
148 64.9 32.3 96.9



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: 9.189 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

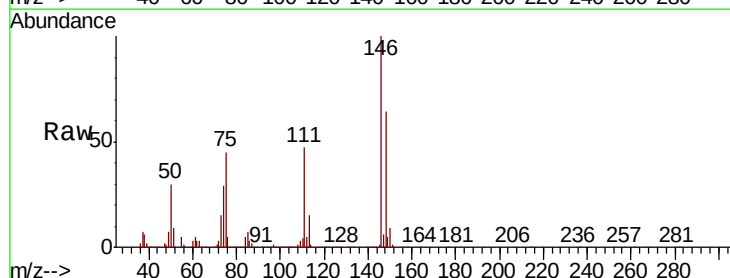
Tgt Ion:146 Resp: 2199186

Ion Ratio Lower Upper

146 100

111 48.6 24.3 72.8

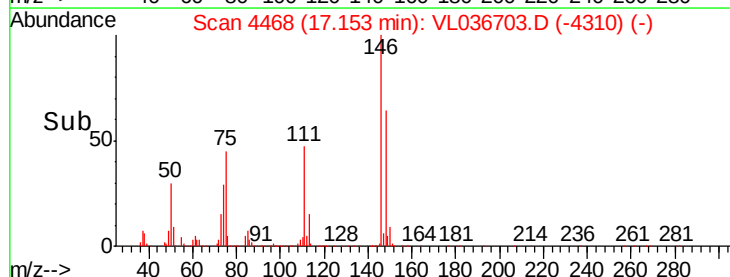
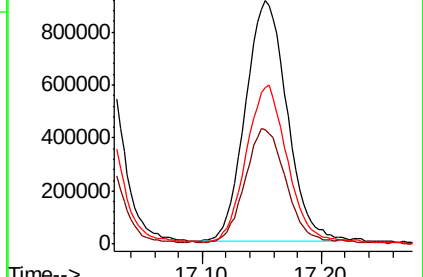
148 67.4 33.0 98.9

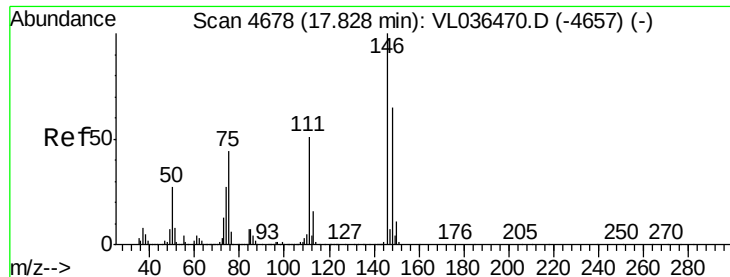


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

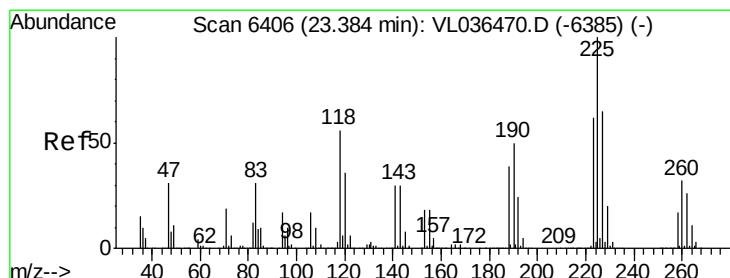
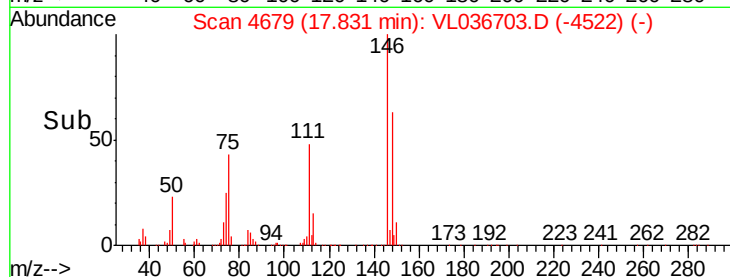
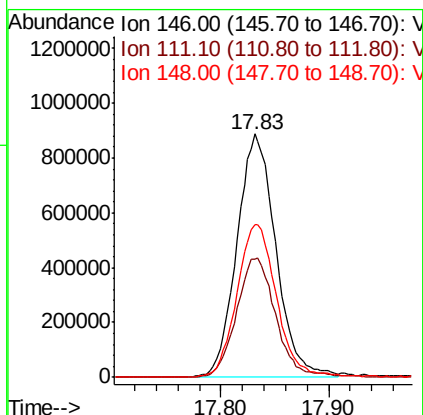
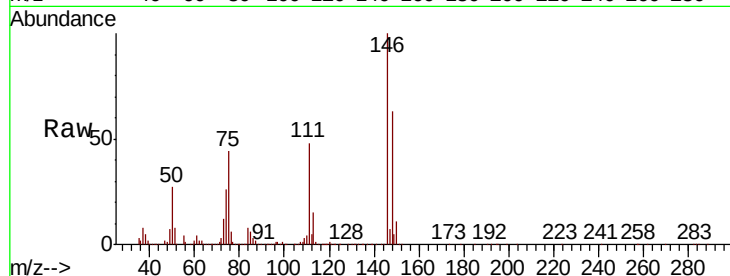




#77
 1,2-Dichlorobenzene
 Concen: 9.760 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.00 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

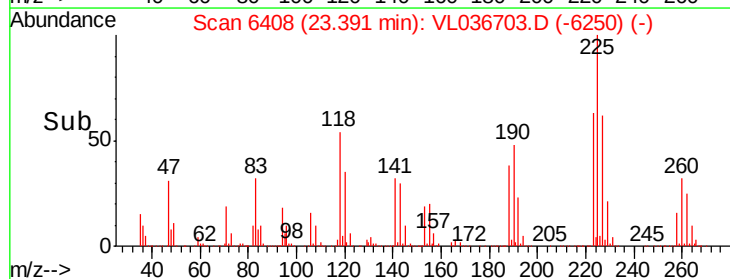
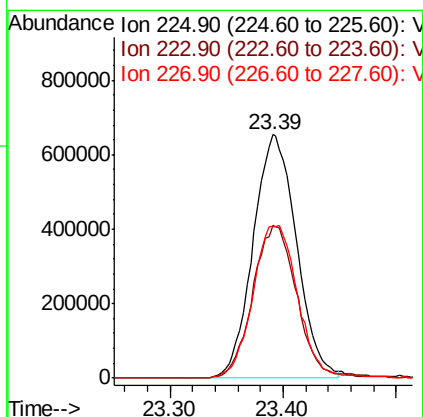
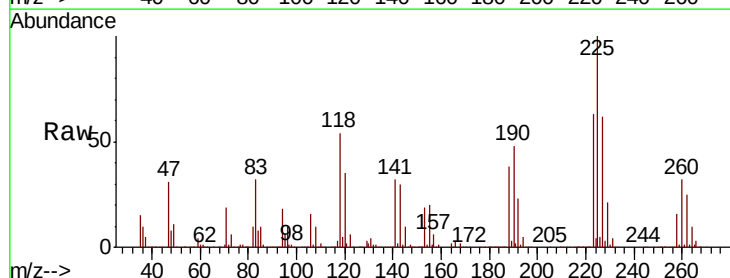
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0406ABS01

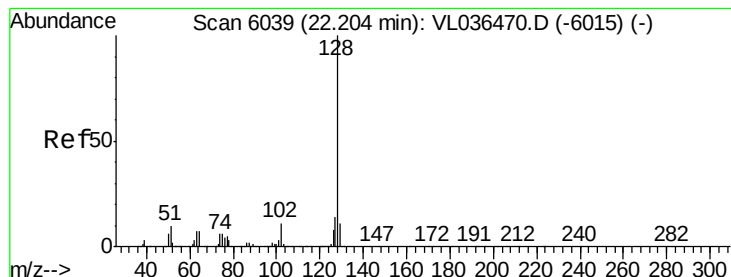
Tot Ion:146 Resp: 2211251
 Ion Ratio Lower Upper
 146 100
 111 49.6 25.5 76.5
 148 64.1 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.557 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. 0.01 min
 Lab File: VL036703.D
 Acq: 6 Apr 2021 17:54

Tgt Ion:225 Resp: 1736343
 Ion Ratio Lower Upper
 225 100
 223 64.2 50.6 75.8
 227 64.7 52.2 78.2





#79

Naphthalene

Concen: 10.587 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

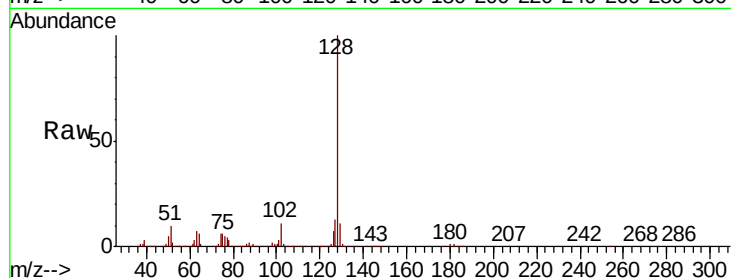
Tot Ion:128 Resp: 2645504

Ion Ratio Lower Upper

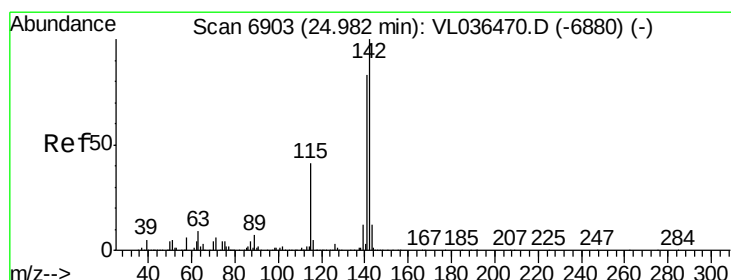
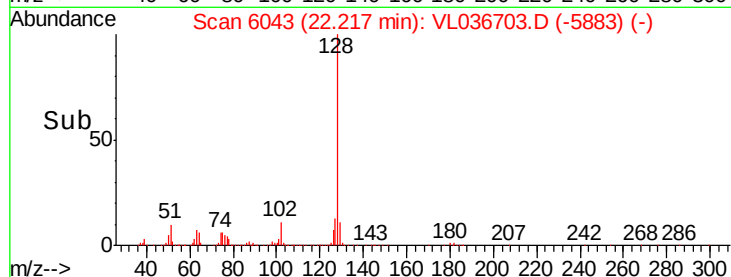
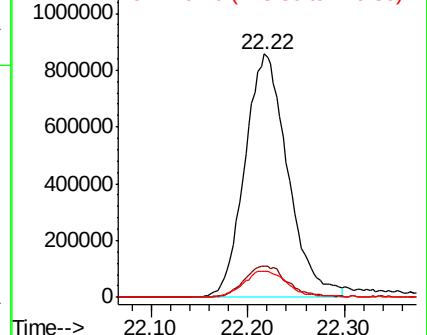
128 100

127 12.8 10.9 16.3

129 10.7 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: 6.726 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

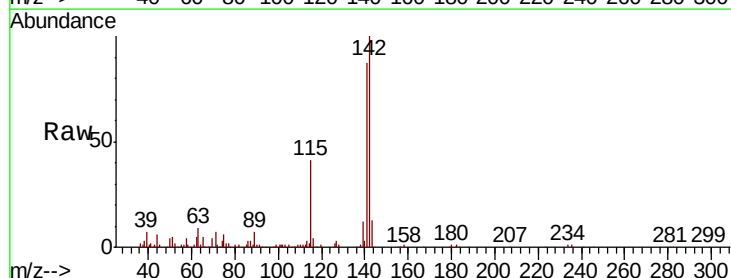
Tgt Ion:142 Resp: 331411

Ion Ratio Lower Upper

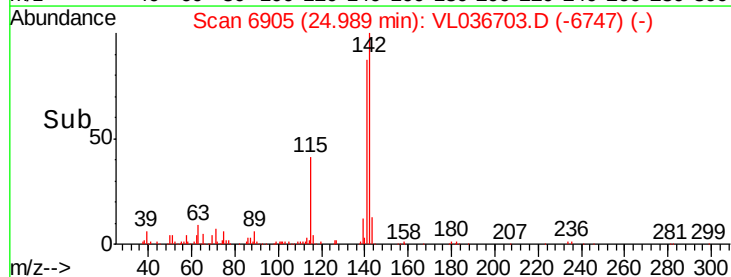
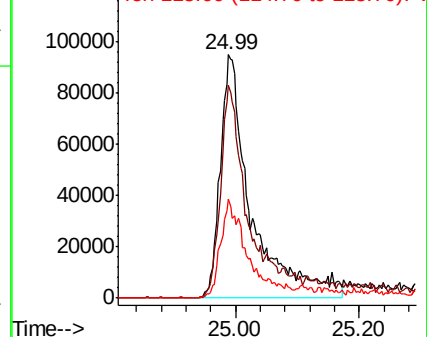
142 100

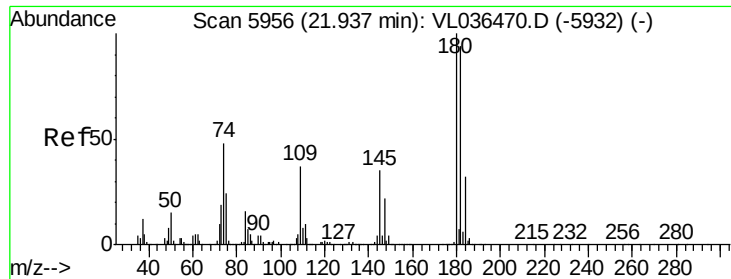
141 83.7 67.8 101.8

115 35.7 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: 10.447 ppbv

RT: 21.94 min Scan# 5958

Delta R.T. 0.01 min

Lab File: VL036703.D

Acq: 6 Apr 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VL0406ABS01

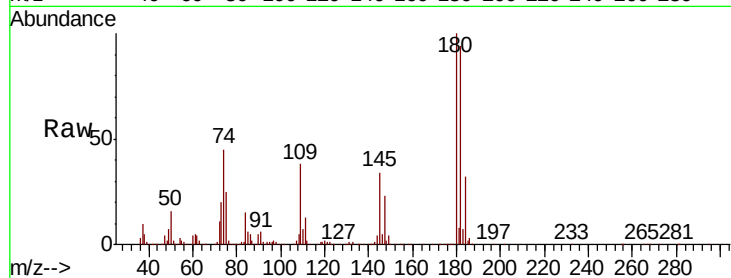
Tot Ion:180 Resp: 1611789

Ion Ratio Lower Upper

180 100

182 101.1 80.8 121.2

184 32.0 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

