

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036323.D
 Acq On : 10 Feb 2021 18:37
 Operator : SY/AP
 Sample : VL0210ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 06:10:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1461602	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3428276	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3898231	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2670148	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1878150	8.610	ppbv 99
3) Chlorodifluoromethane	2.98	51	1608808	8.859	ppbv 99
4) Chloromethane	3.13	50	788810	8.991	ppbv 97
5) Vinyl Chloride	3.24	62	779797	9.545	ppbv 99
6) Bromomethane	3.46	94	446577	9.196	ppbv 94
7) Chloroethane	3.54	64	267416	9.218	ppbv 99
8) Dichlorotetrafluoroethane	3.17	85	1790249	9.024	ppbv 100
9) Propene	3.00	41	730399	10.787	ppbv 100
10) Heptane	8.10	43	1867069	9.356	ppbv 98
11) Trichlorofluoromethane	3.93	101	1932712	9.048	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1209309	9.140	ppbv 100
13) Ethanol	3.59	45	99076	7.790	ppbv 100
14) Bromoethene	3.72	108	504852	9.117	ppbv 100
15) Acetone	3.84	43	1462048	8.183	ppbv 100
16) 1,3-Butadiene	3.31	39	783135	9.167	ppbv 97
17) tert-Butyl alcohol	4.28	59	1255047	9.049	ppbv 98
18) 1,1-Dichloroethene	4.27	96	534029	8.881	ppbv 97
19) Isopropyl Alcohol	3.96	45	858890	8.677	ppbv # 98
20) Methylene Chloride	4.33	84	462670	8.027	ppbv 94
21) Allyl Chloride	4.40	41	906936	9.117	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	490464	8.980	ppbv 94
23) Vinyl Acetate	5.06	43	1937832	9.225	ppbv 97
24) 1,1-Dichloroethane	5.00	63	1432333	9.219	ppbv 99
25) Ethyl Acetate	5.66	43	3161207	9.165	ppbv 99
26) Hexane	5.67	57	1252053	8.835	ppbv 98
27) Carbon Disulfide	4.53	76	1345071	10.327	ppbv 97
28) Methyl tert-Butyl Ether	5.01	73	1807391	9.763	ppbv 99
29) Chloroform	5.74	83	2040602	8.938	ppbv 99
30) Cyclohexane	7.11	84	1061622	9.008	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1301936	9.285	ppbv 98
32) 1,1,1-Trichloroethane	6.49	97	1989867	9.323	ppbv 99
34) 2-Butanone	5.23	43	1950458	8.563	ppbv 99
35) Carbon Tetrachloride	7.00	117	2031334	8.841	ppbv 97
36) Benzene	6.87	78	2638182	9.059	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1608155	8.931	ppbv 99
38) Trichloroethene	7.82	130	898531	8.613	ppbv 96
39) 1,2-Dichloropropane	7.60	63	1066995	9.019	ppbv 98
40) 1,4-Dioxane	7.81	88	342370	8.353	ppbv # 1
41) Tetrahydrofuran	6.03	42	1185535	9.327	ppbv 98
42) Bromodichloromethane	7.77	83	2185461	9.063	ppbv 97
43) Methyl Methacrylate	8.00	69	1183971	9.640	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

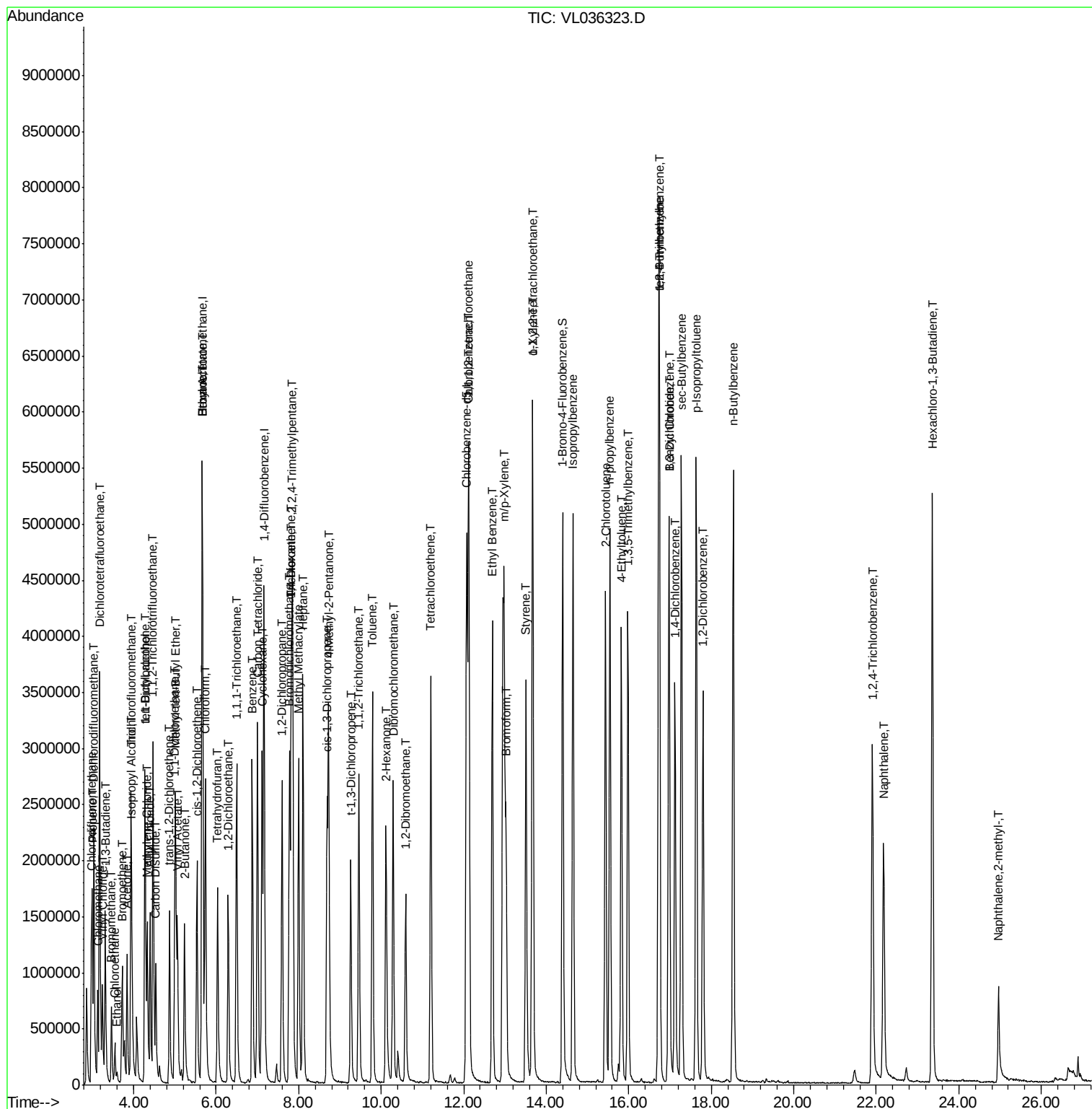
44) 2,2,4-Trimethylpentane	7.85	57	2342565	4.424	ppbv #	44
45) t-1,3-Dichloropropene	9.26	75	1230785	10.388	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1526371	10.142	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1035362	8.552	ppbv	96
48) Dibromochloromethane	10.29	129	1724749	9.547	ppbv	99
49) Bromoform	13.03	173	1360070	9.313	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	3082271	9.115	ppbv	99
51) 2-Hexanone	10.12	43	2459108	9.571	ppbv #	99
52) Tetrachloroethene	11.20	164	859428	8.061	ppbv	97
53) Toluene	9.79	91	2954757	9.367	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1530000	8.745	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1271943	7.094	ppbv #	61
57) Chlorobenzene	12.13	112	2096475	6.961	ppbv	100
58) Ethyl Benzene	12.69	91	3952906	7.405	ppbv	98
59) m/p-Xylene	12.98	91	3651481	7.788	ppbv #	44
60) o-Xylene	13.68	91	3091450	6.896	ppbv	100
61) Styrene	13.51	104	2181010	7.850	ppbv	100
62) Isopropylbenzene	14.65	105	4631487	6.892	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2136258	6.039	ppbv	99
64) n-propylbenzene	15.55	120	1185649	7.169	ppbv	99
65) tert-Butylbenzene	16.73	119	3839523	6.678	ppbv	99
66) Benzyl Chloride	16.97	91	1253587	8.020	ppbv	100
67) sec-Butylbenzene	17.28	105	5594319	6.747	ppbv	100
69) p-Isopropyltoluene	17.64	119	4574061	7.138	ppbv	99
70) n-Butylbenzene	18.54	91	4854208	7.064	ppbv	100
71) 2-Chlorotoluene	15.44	91	3581634	6.953	ppbv	100
72) 4-Ethyltoluene	15.82	105	3493554	7.003	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3336531	6.899	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3405072	6.897	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	1790039	6.680	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1793296	6.444	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1758058	6.613	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	734184	3.380	ppbv #	20
79) Naphthalene	22.17	128	2881457	9.846	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	720480	13.295	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1481032	8.294	ppbv	99

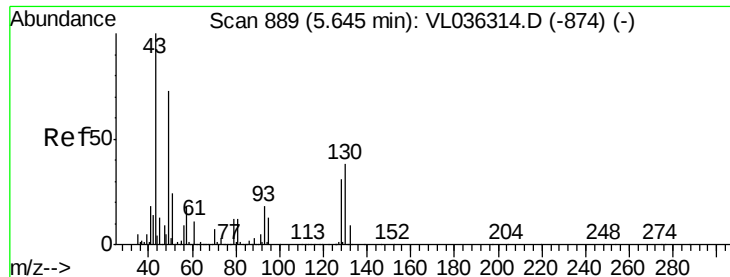
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :

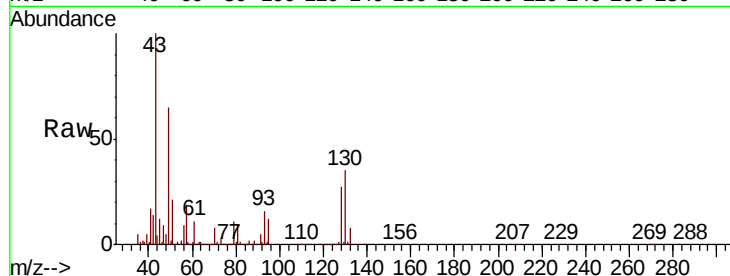
Tot Ion: 49 Resp: 1461602

Ion Ratio Lower Upper

49 100

128 43.5 20.8 62.5

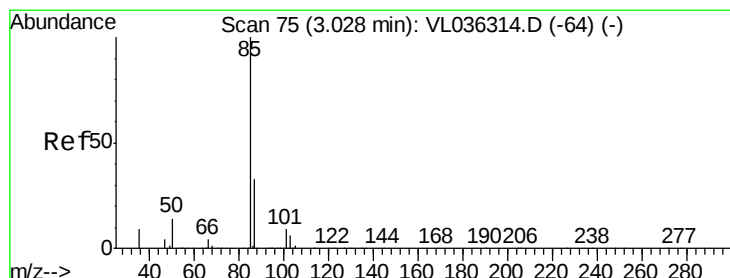
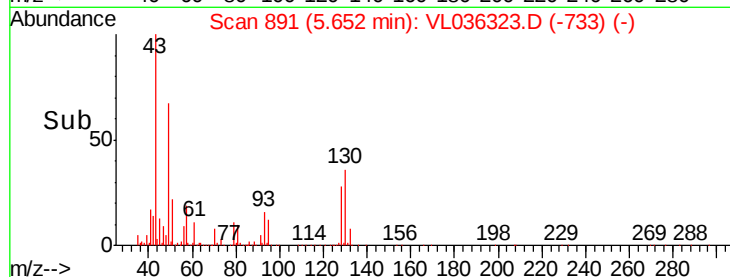
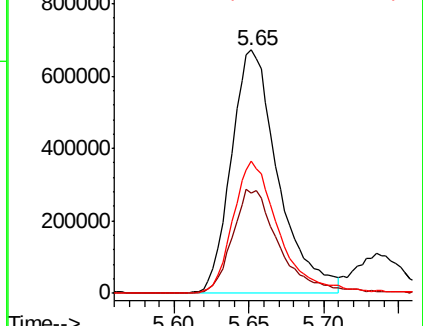
130 54.6 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.610 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL036323.D

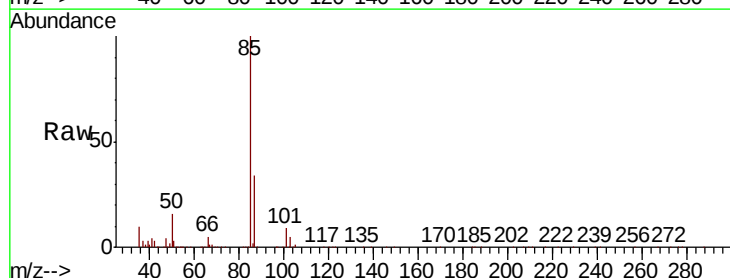
Acq: 10 Feb 2021 18:37

Tgt Ion: 85 Resp: 1878150

Ion Ratio Lower Upper

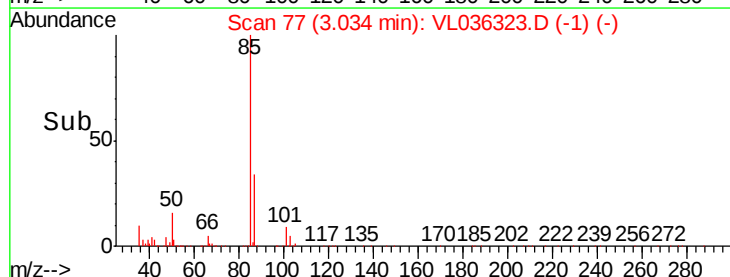
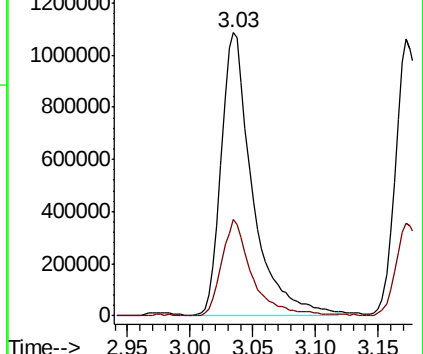
85 100

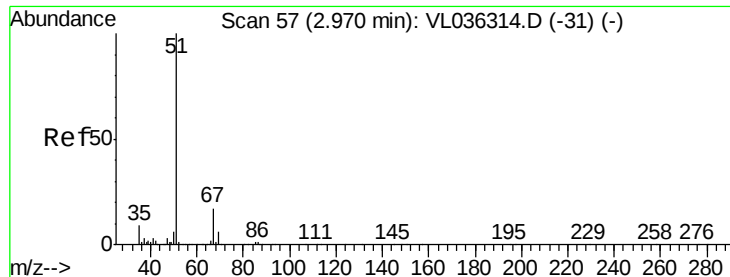
87 33.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.859 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

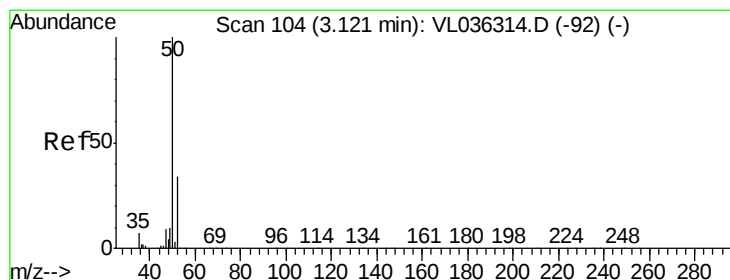
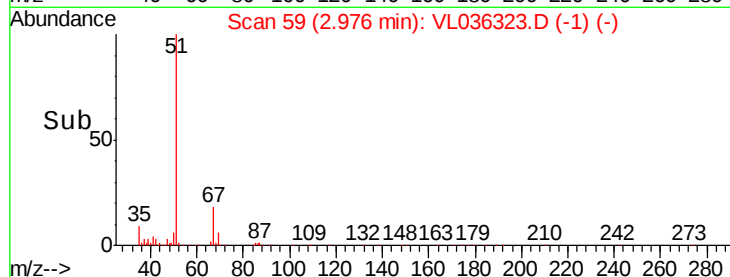
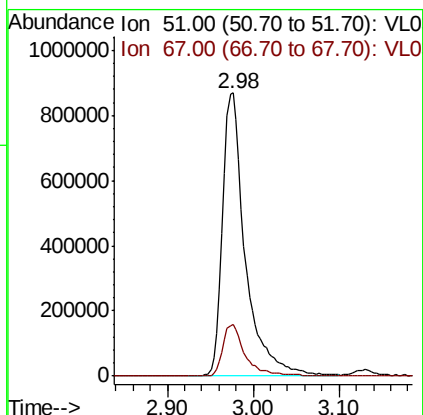
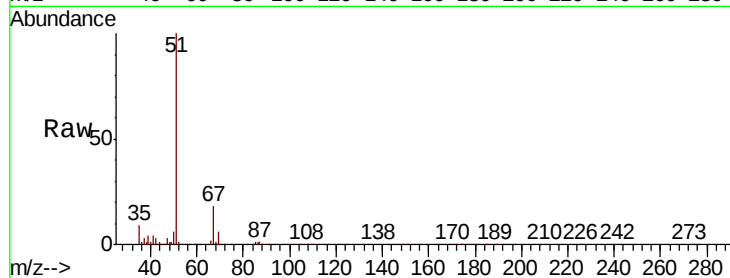
ClientSampleId :

Tot Ion: 51 Resp: 1608808

Ion Ratio Lower Upper

51 100

67 18.2 14.7 22.1



#4

Chloromethane

Concen: 8.991 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.01 min

Lab File: VL036323.D

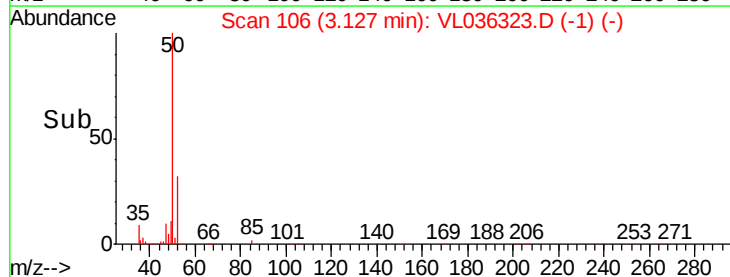
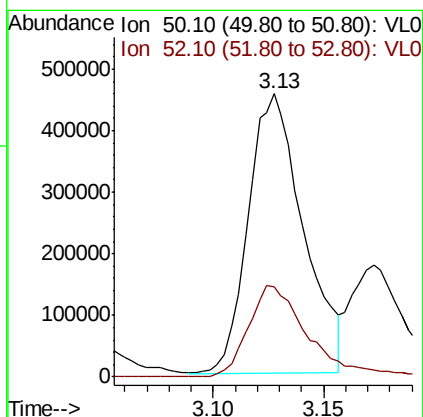
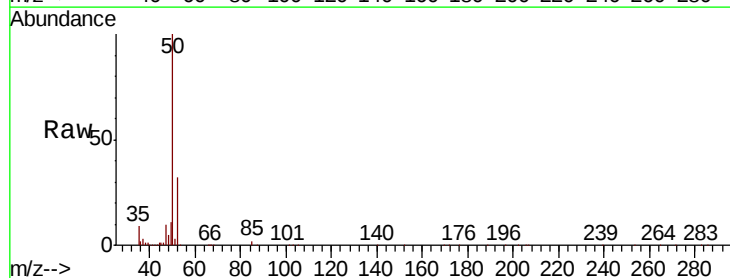
Acq: 10 Feb 2021 18:37

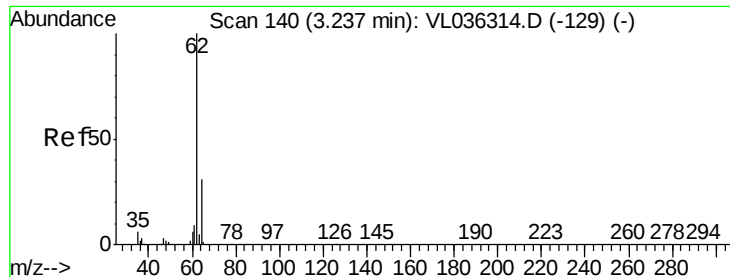
Tgt Ion: 50 Resp: 788810

Ion Ratio Lower Upper

50 100

52 32.1 27.0 40.4





#5

Vinyl Chloride

Concen: 9.545 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

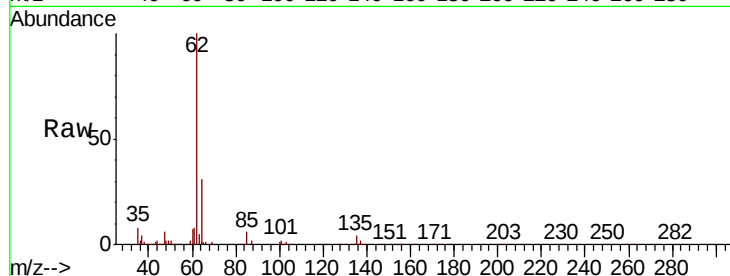
ClientSampleId :

Tot Ion: 62 Resp: 779797

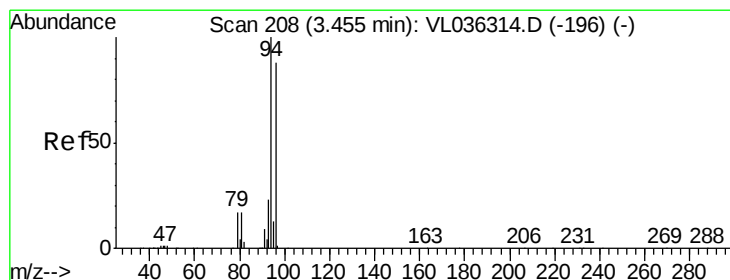
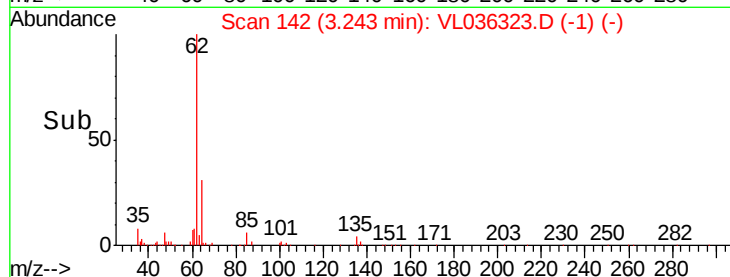
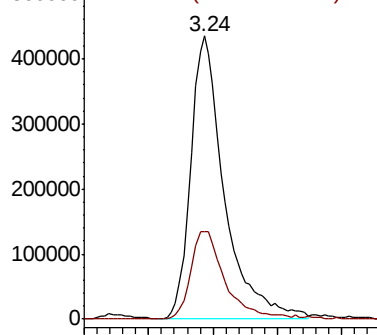
Ion Ratio Lower Upper

62 100

64 30.9 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.196 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036323.D

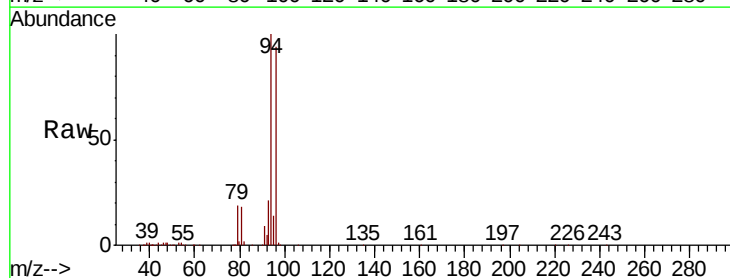
Acq: 10 Feb 2021 18:37

Tgt Ion: 94 Resp: 446577

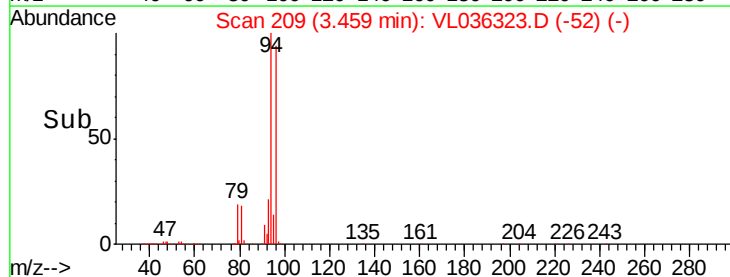
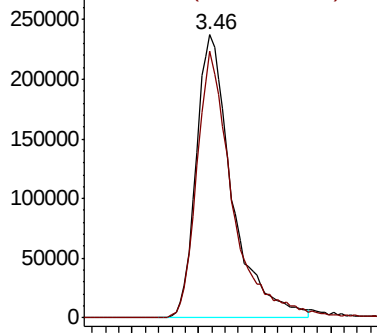
Ion Ratio Lower Upper

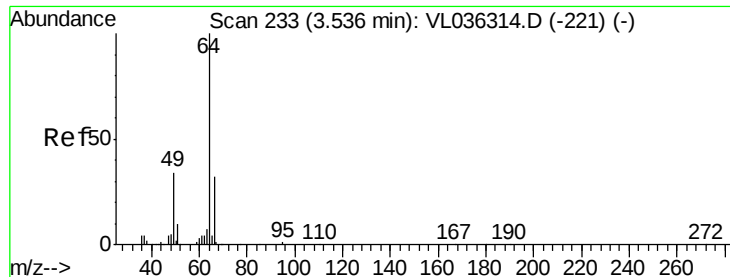
94 100

96 94.1 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0
Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.218 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

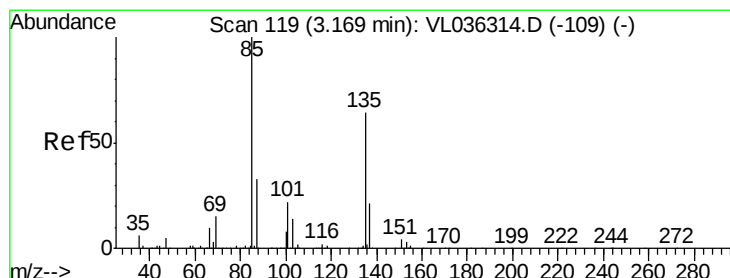
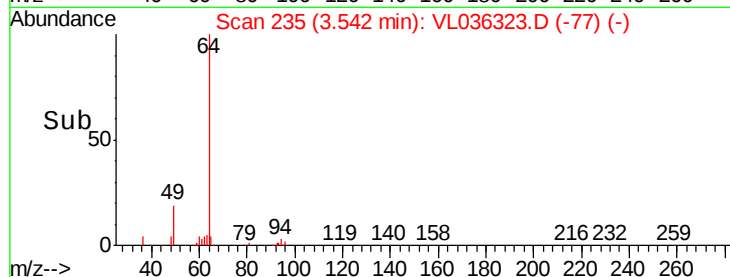
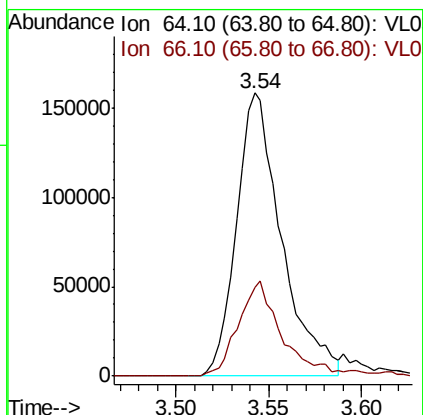
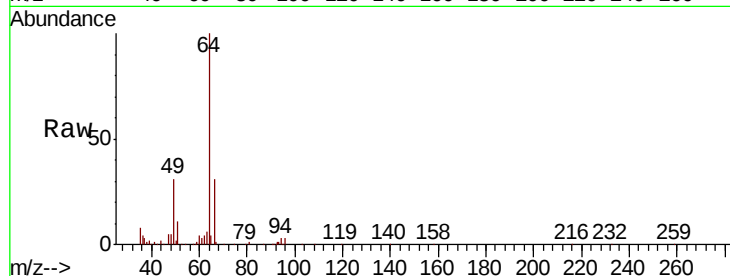
ClientSampleId :

Tot Ion: 64 Resp: 267416

Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 9.024 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036323.D

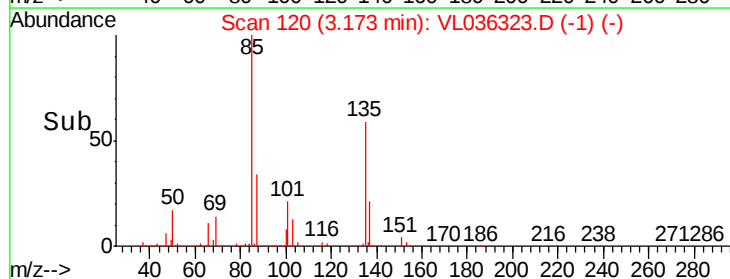
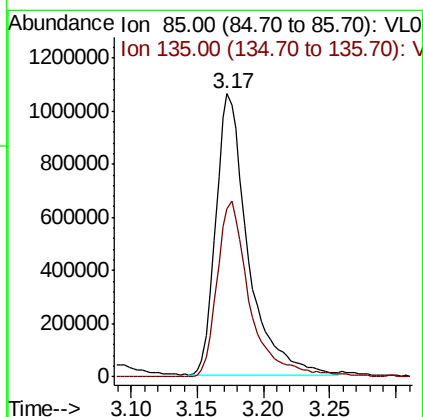
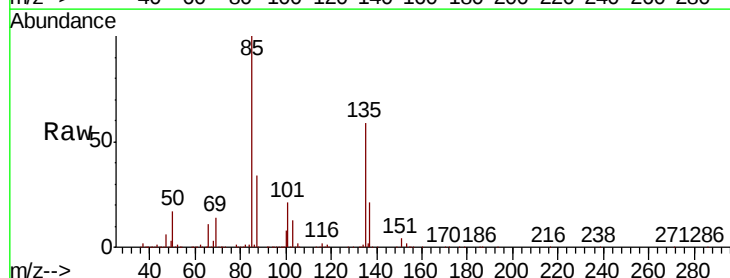
Acq: 10 Feb 2021 18:37

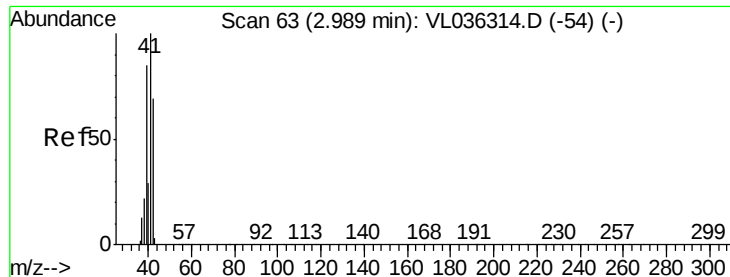
Tgt Ion: 85 Resp: 1790249

Ion Ratio Lower Upper

85 100

135 64.3 51.1 76.7





#9

Propene

Concen: 10.787 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

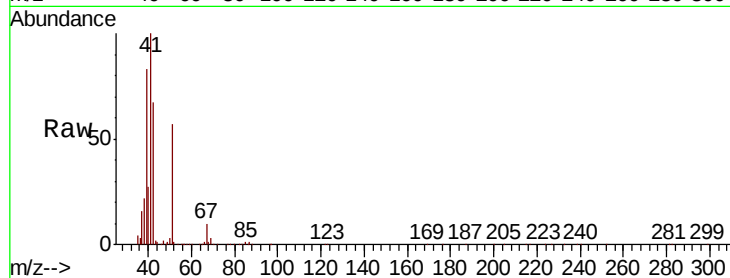
ClientSampleId :

Tot Ion: 41 Resp: 730399

Ion Ratio Lower Upper

41 100

42 70.0 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

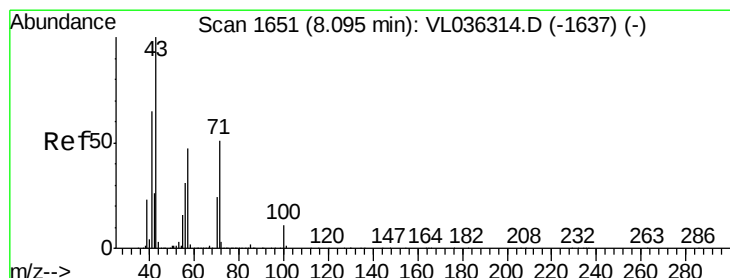
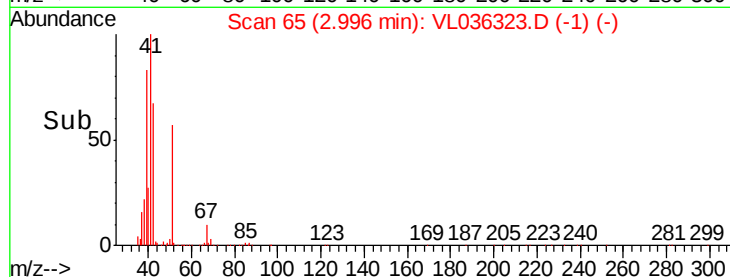
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.356 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036323.D

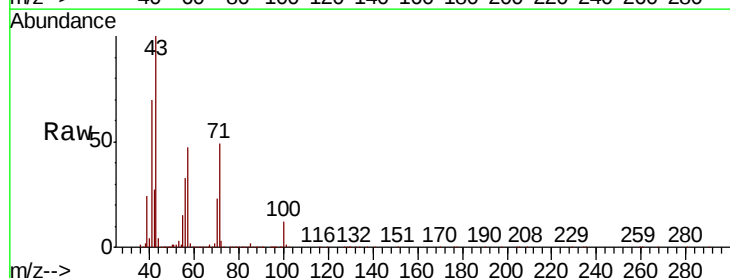
Acq: 10 Feb 2021 18:37

Tgt Ion: 43 Resp: 1867069

Ion Ratio Lower Upper

43 100

57 48.0 39.4 59.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

1000000

800000

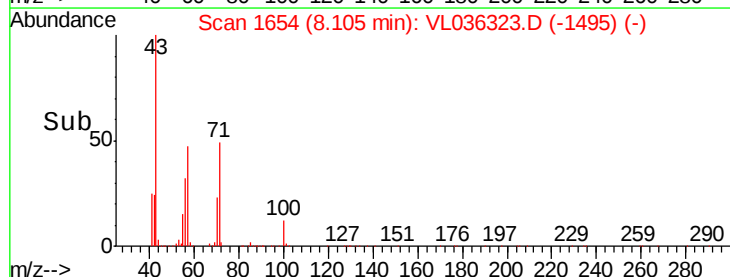
600000

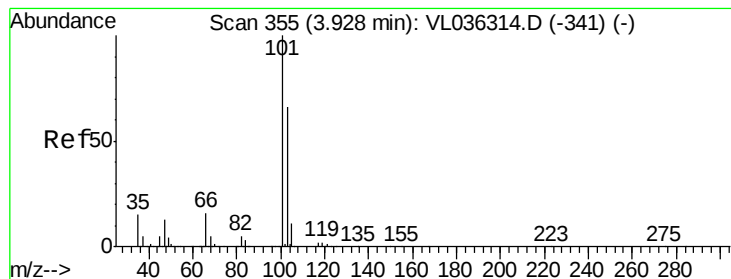
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.048 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.01 min

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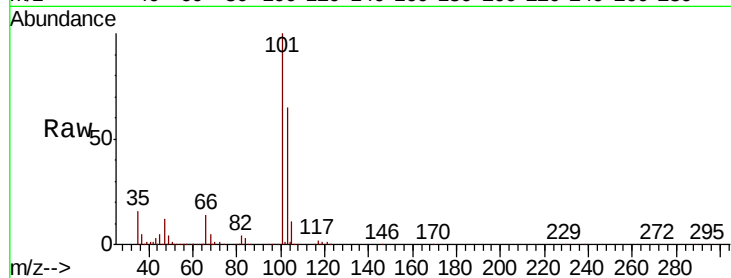
ClientSampleId :

Tot Ion:101 Resp: 1932712

Ion Ratio Lower Upper

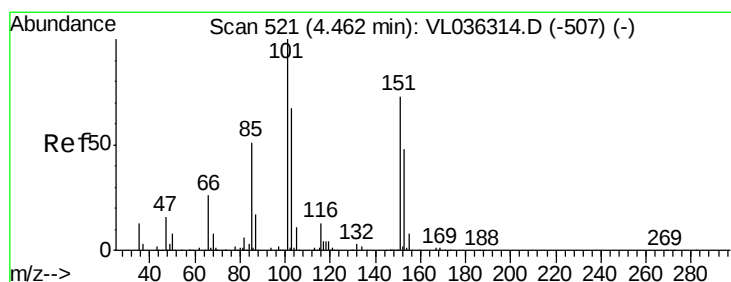
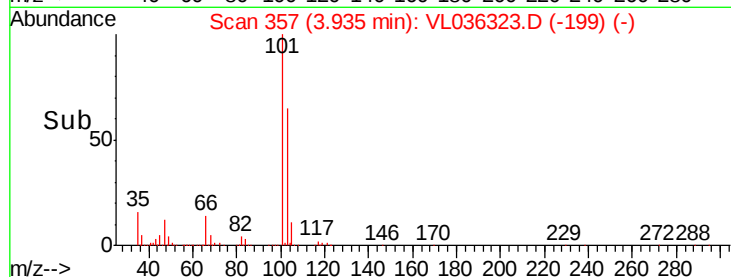
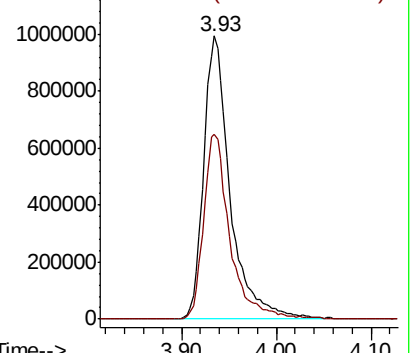
101 100

103 65.2 52.9 79.3



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: 9.140 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.01 min

Lab File: VL036323.D

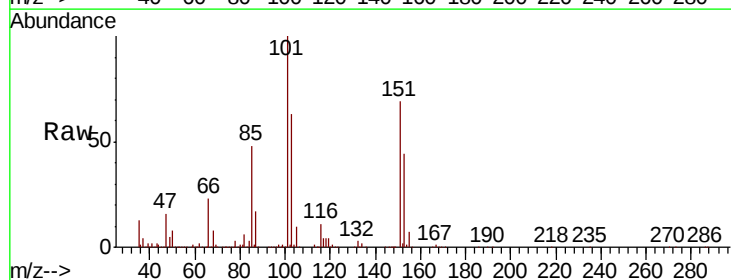
Acq: 10 Feb 2021 18:37

Tgt Ion:101 Resp: 1209309

Ion Ratio Lower Upper

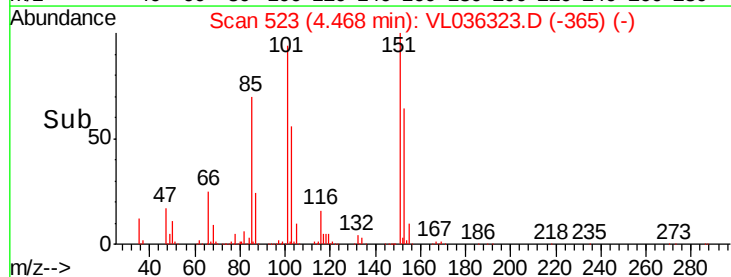
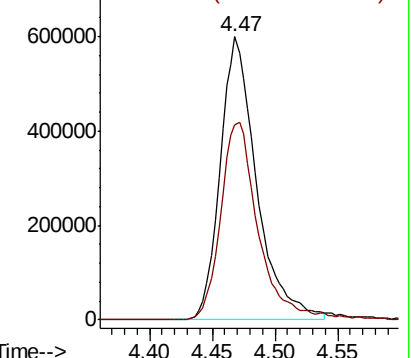
101 100

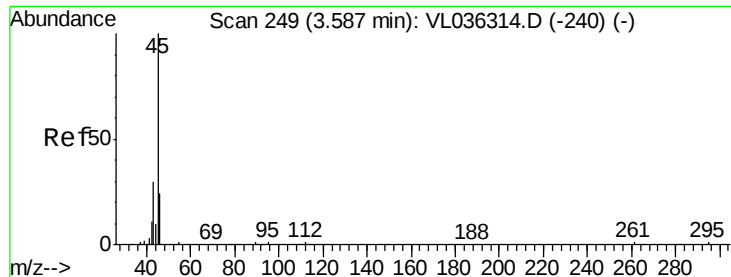
151 72.5 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.790 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

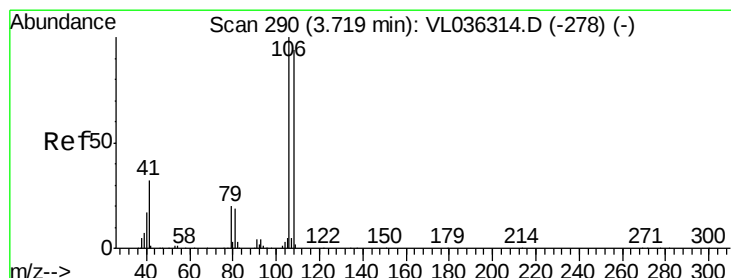
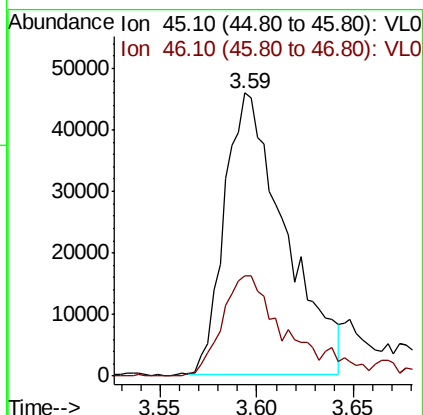
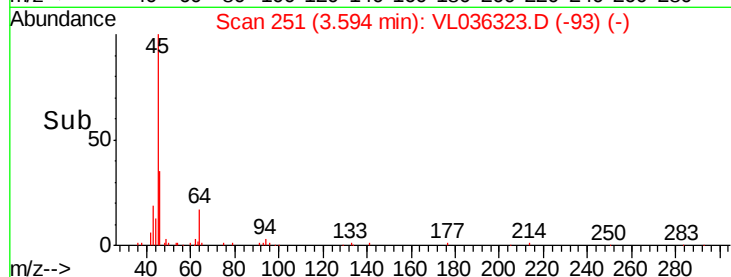
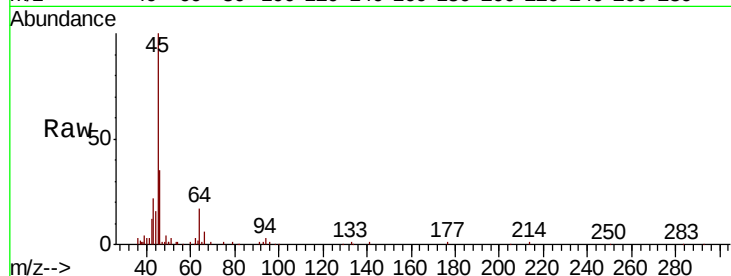
ClientSampleId :

Tot Ion: 45 Resp: 99076

Ion Ratio Lower Upper

45 100

46 44.4 17.7 70.7



#14

Bromoethene

Concen: 9.117 ppbv

RT: 3.72 min Scan# 291

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

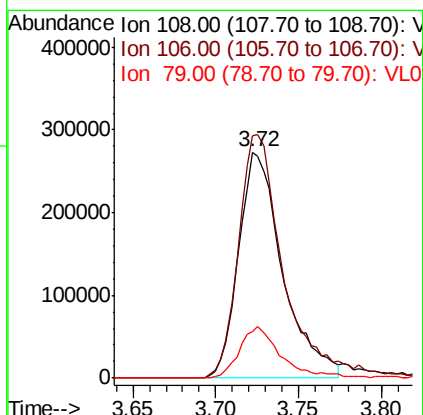
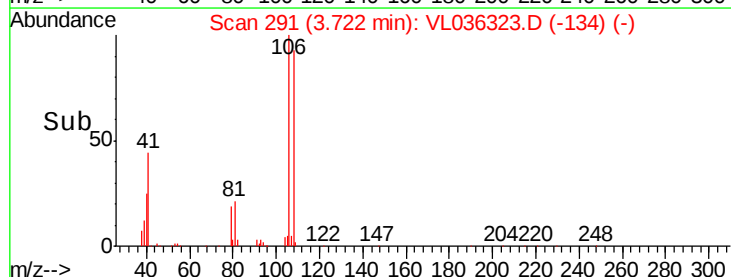
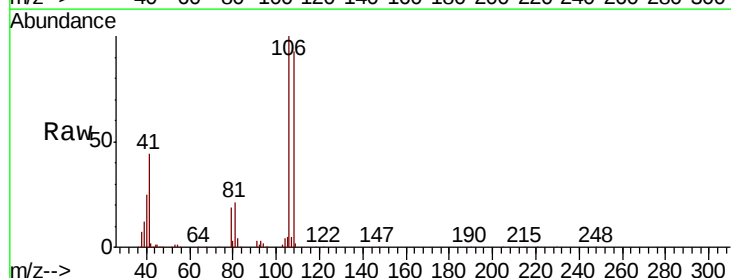
Tgt Ion: 108 Resp: 504852

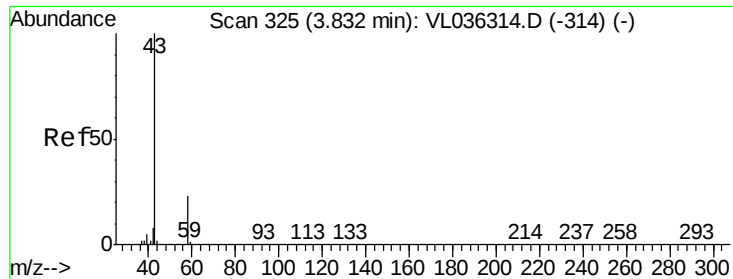
Ion Ratio Lower Upper

108 100

106 112.2 89.8 134.8

79 22.1 17.1 25.7

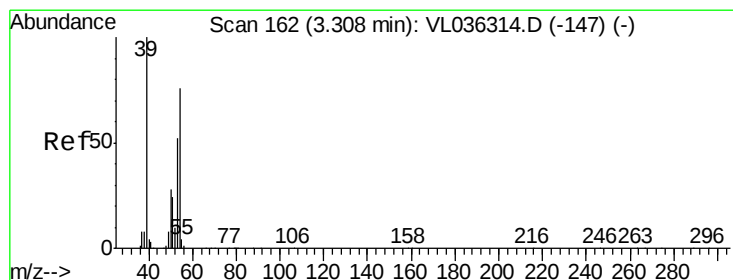
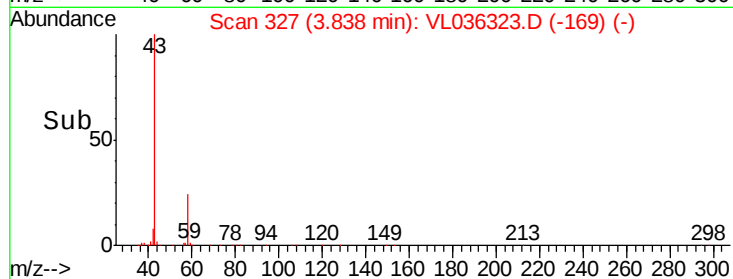
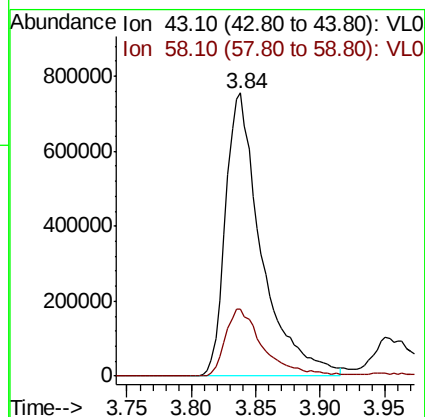
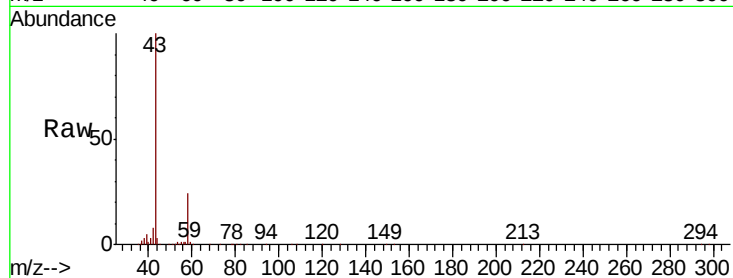




#15
Acetone
Concen: 8.183 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

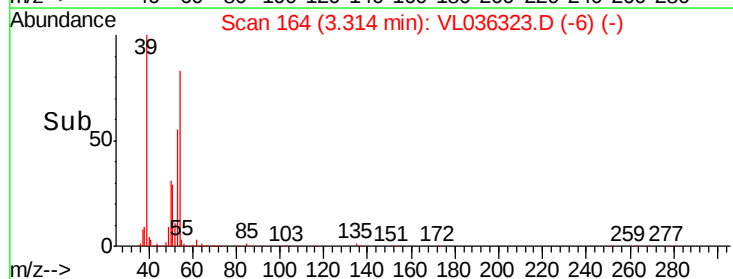
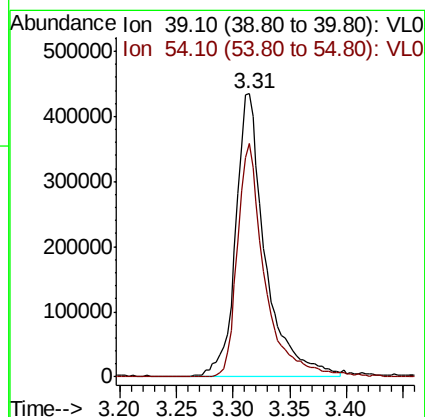
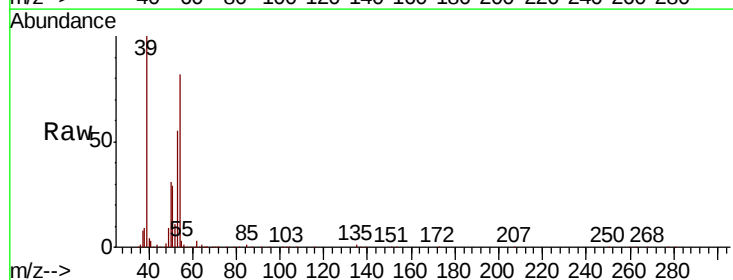
Instrument :
MSVOA_L
ClientSampleId :

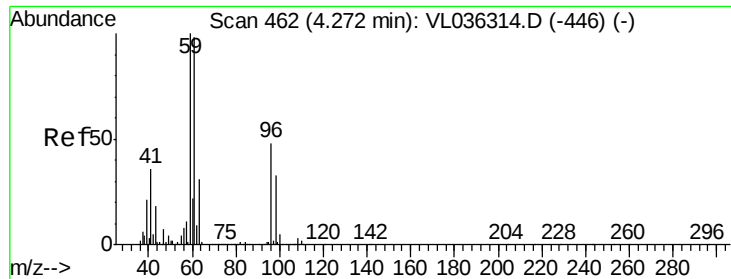
Tot Ion: 43 Resp: 1462048
Ion Ratio Lower Upper
43 100
58 25.2 20.3 30.5



#16
1,3-Butadiene
Concen: 9.167 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 39 Resp: 783135
Ion Ratio Lower Upper
39 100
54 77.5 64.4 96.6



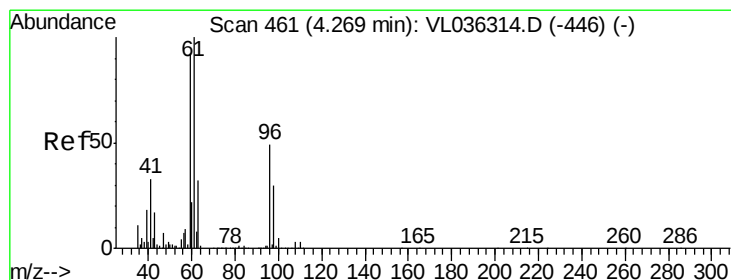
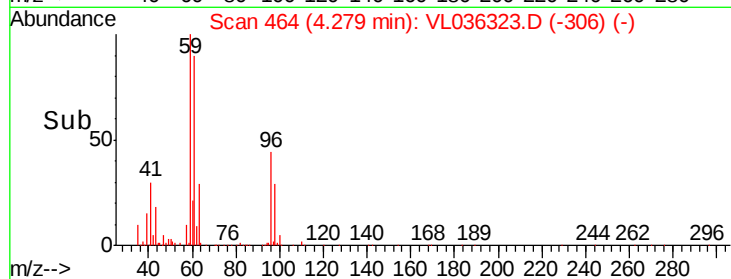
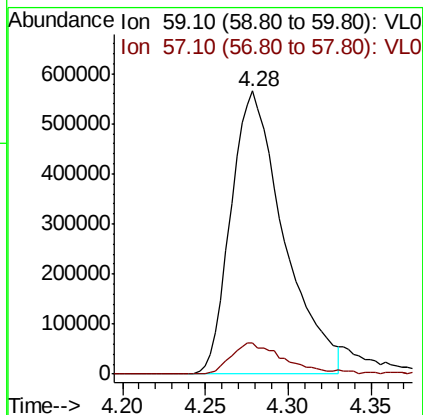
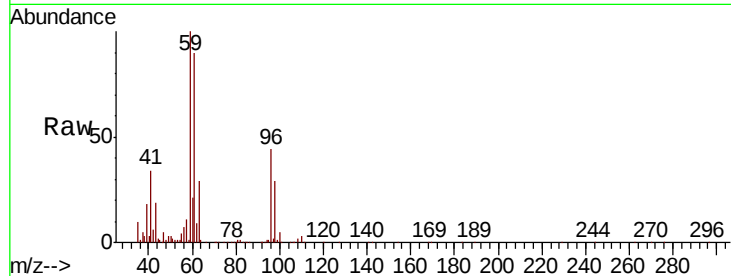


#17

tert-Butyl alcohol
Concen: 9.049 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :

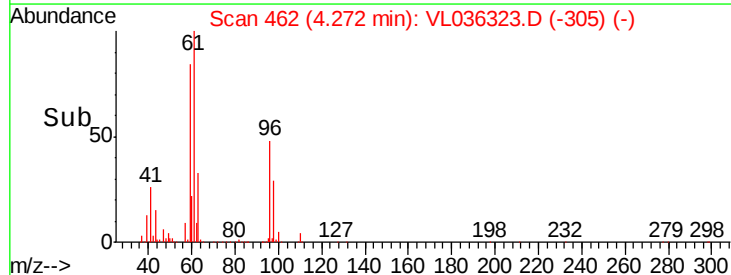
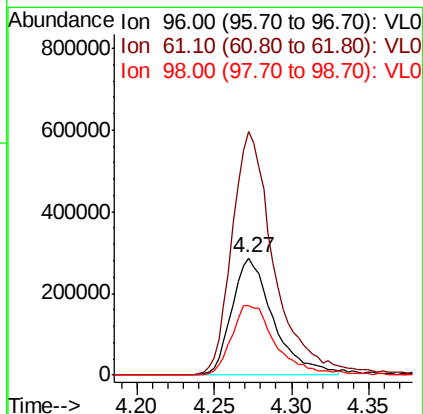
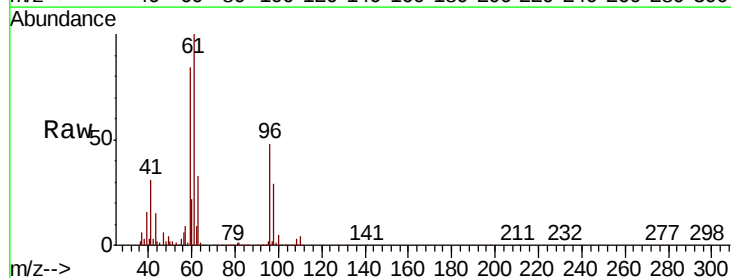
Tot Ion: 59 Resp: 1255047
Ion Ratio Lower Upper
59 100
57 11.8 9.0 13.4

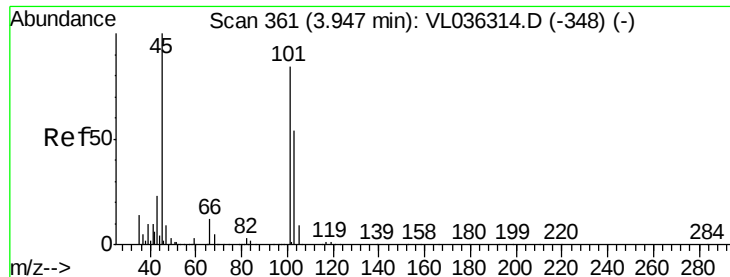


#18

1,1-Dichloroethene
Concen: 8.881 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 96 Resp: 534029
Ion Ratio Lower Upper
96 100
61 208.2 162.5 243.7
98 59.5 48.5 72.7





#19

Isopropyl Alcohol

Concen: 8.677 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

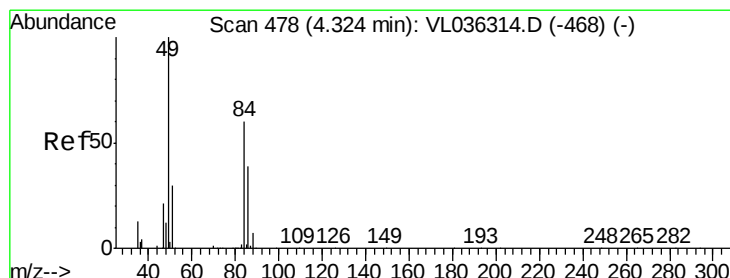
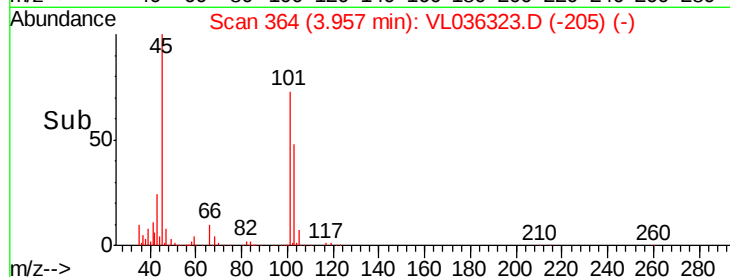
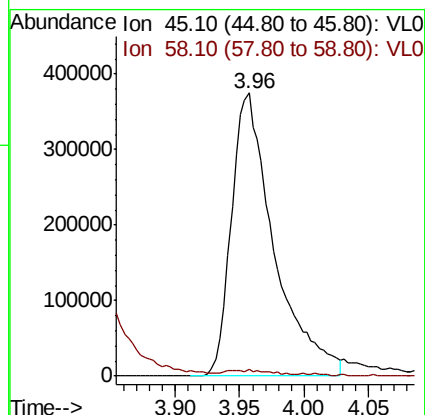
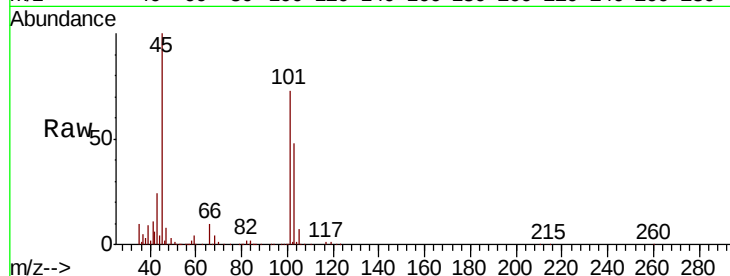
ClientSampleId :

Tot Ion: 45 Resp: 858890

Ion Ratio Lower Upper

45 100

58 3.0 1.9 2.9#



#20

Methylene Chloride

Concen: 8.027 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion: 84 Resp: 462670

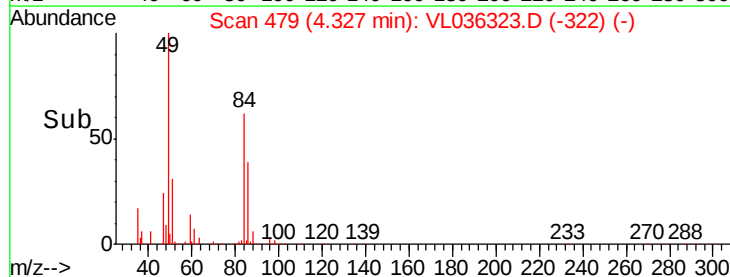
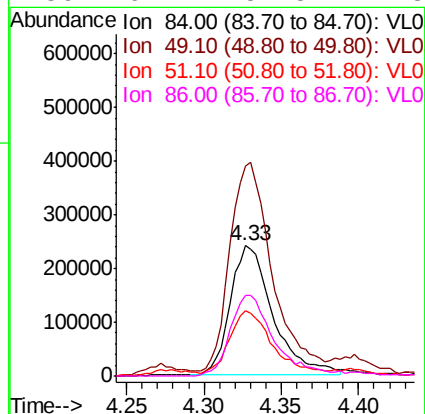
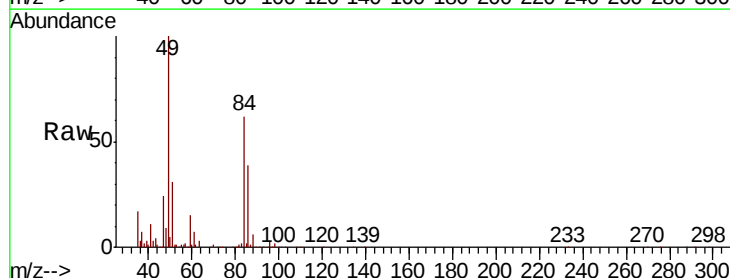
Ion Ratio Lower Upper

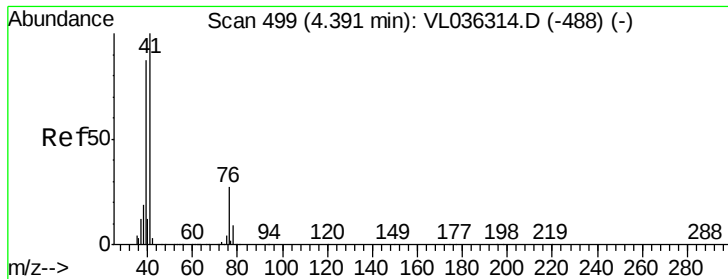
84 100

49 157.5 133.8 200.8

51 47.8 41.4 62.0

86 62.2 51.5 77.3

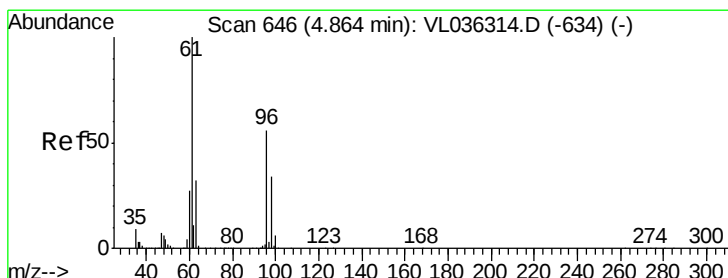
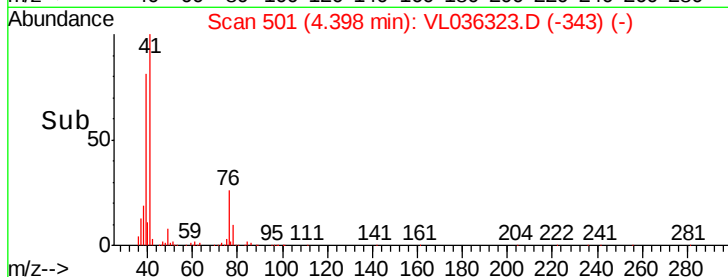
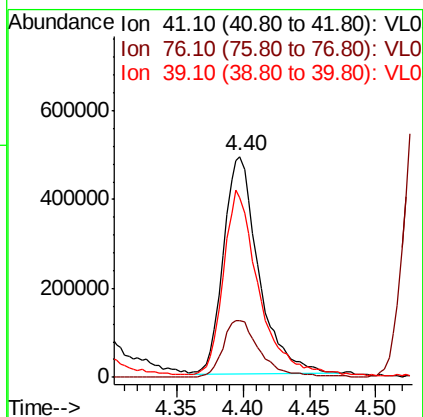
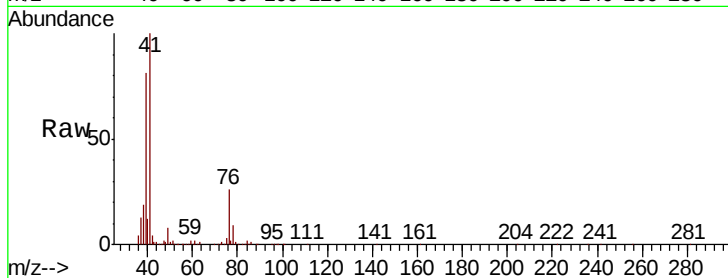




#21
Allvl Chloride
Concen: 9.117 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

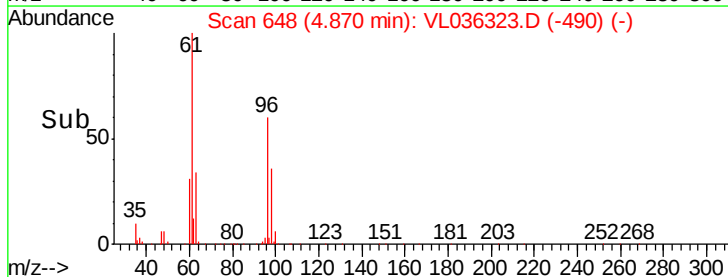
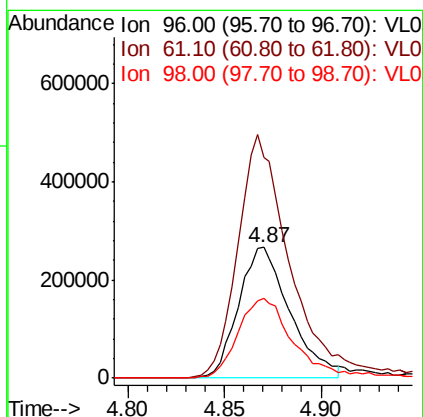
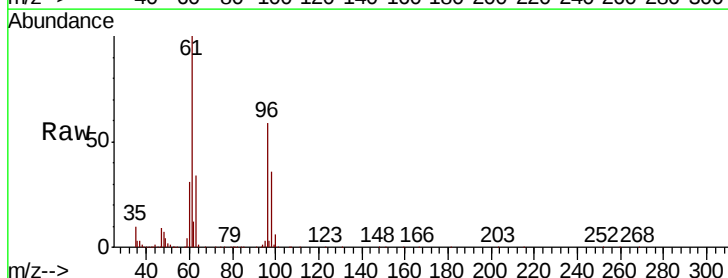
Instrument :
MSVOA_L
ClientSampleId :

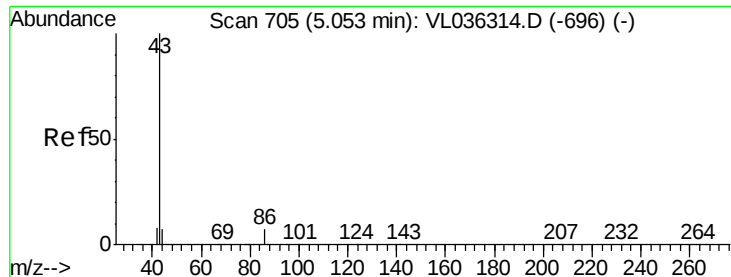
Tot Ion: 41 Resp: 906936
Ion Ratio Lower Upper
41 100
76 27.8 22.0 33.0
39 86.8 70.2 105.2



#22
trans-1,2-Dichloroethene
Concen: 8.980 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 96 Resp: 490464
Ion Ratio Lower Upper
96 100
61 168.4 143.7 215.5
98 60.6 48.5 72.7





#23

Vinyl Acetate

Concen: 9.225 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.01 min

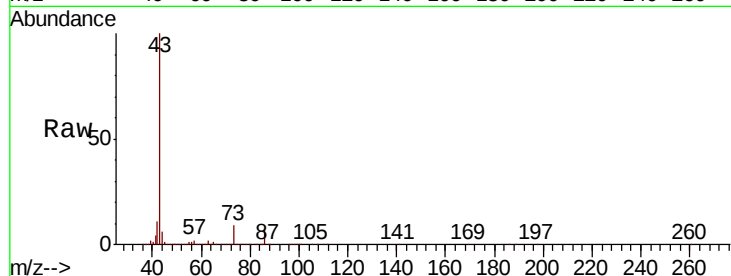
Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

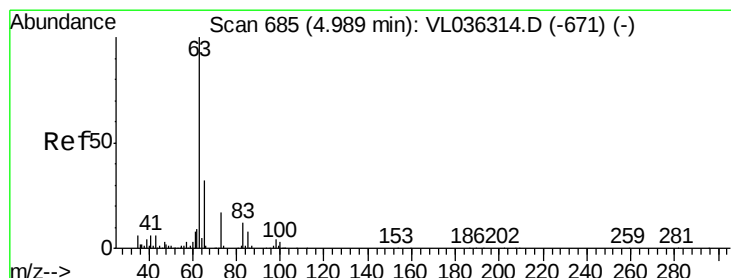
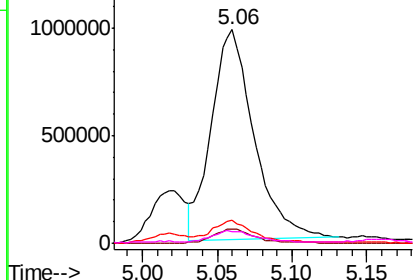
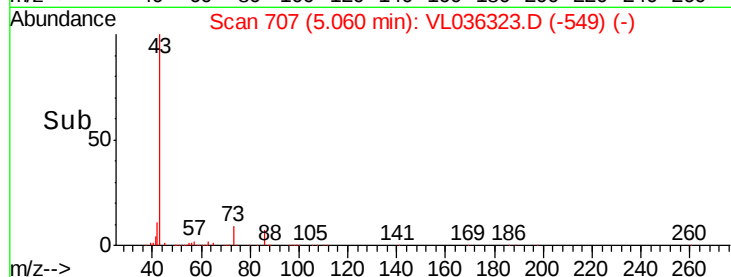
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1937832

Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.8	7.2
42	10.6	7.4	11.0
44	5.1	4.8	7.2



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: 9.219 ppbv

RT: 5.00 min Scan# 687

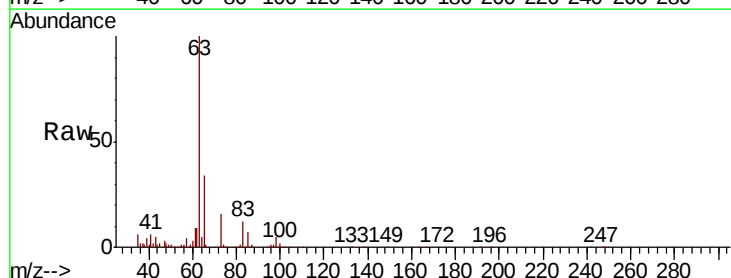
Delta R.T. 0.01 min

Lab File: VL036323.D

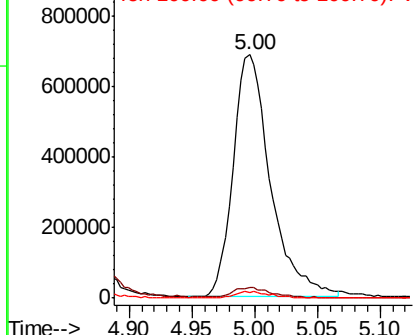
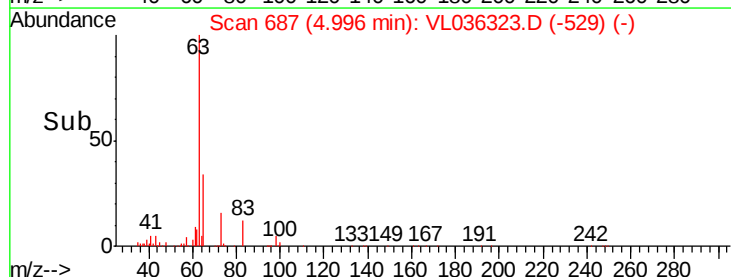
Acq: 10 Feb 2021 18:37

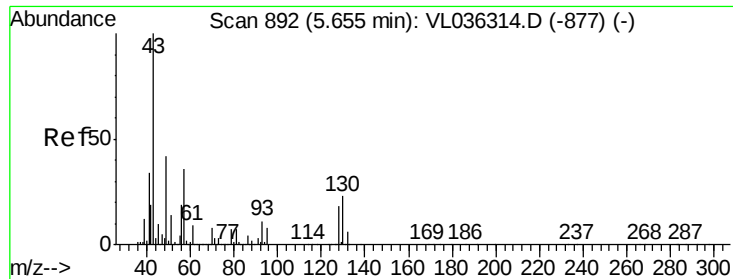
Tgt Ion: 63 Resp: 1432333

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.4	1.5	4.4



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



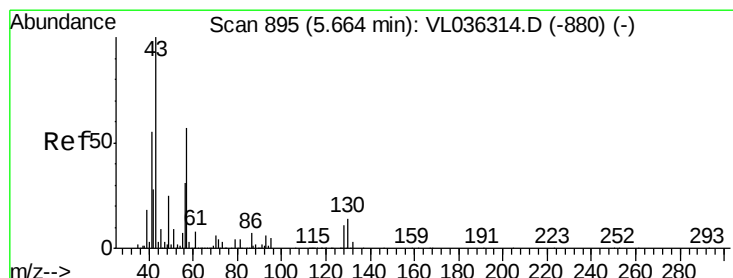
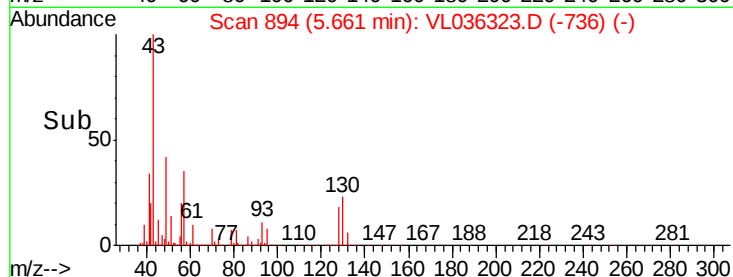
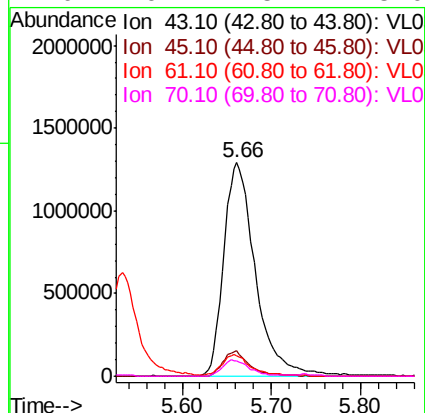
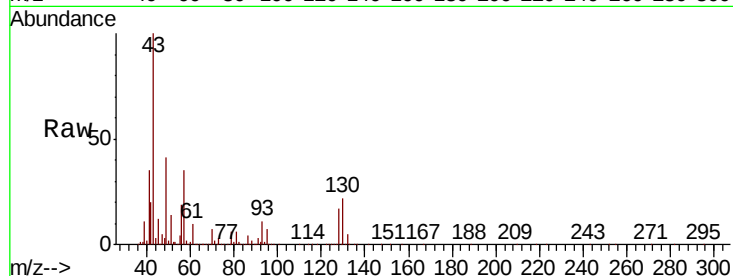


#25
Ethyl Acetate
Concen: 9.165 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3161207

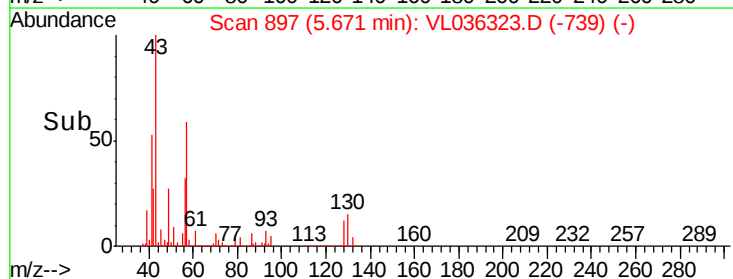
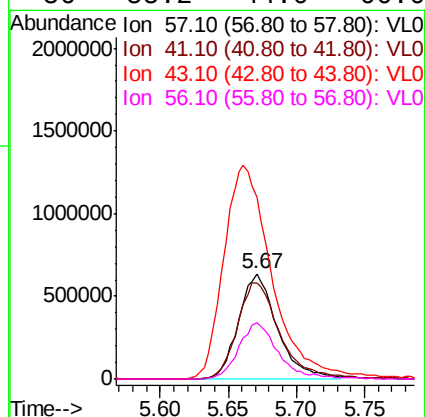
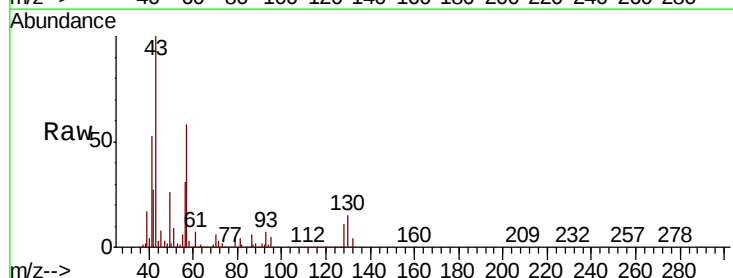
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.8	7.3	10.9
70	6.7	5.4	8.0

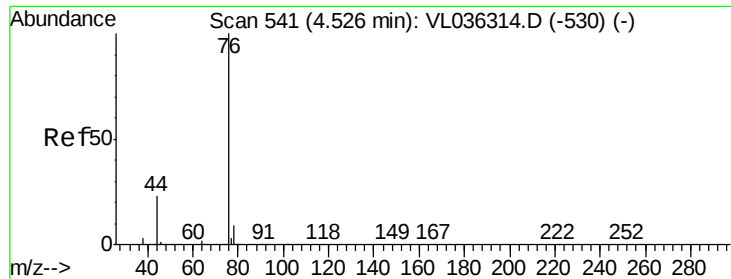


#26
Hexane
Concen: 8.835 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 57 Resp: 1252053

Ion	Ratio	Lower	Upper
57	100		
41	102.3	81.7	122.5
43	255.6	199.1	298.7
56	55.2	44.0	66.0





#27

Carbon Disulfide

Concen: 10.327 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

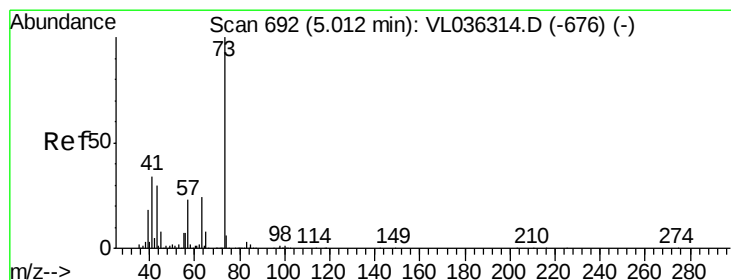
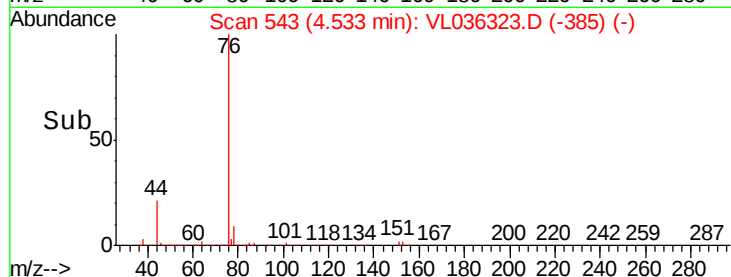
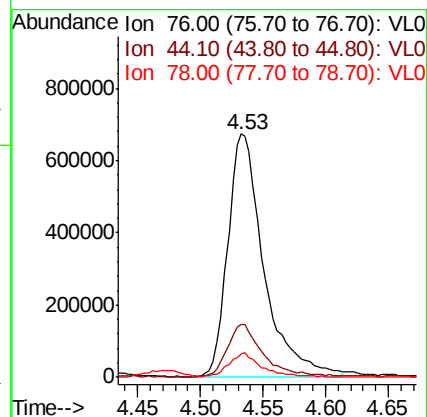
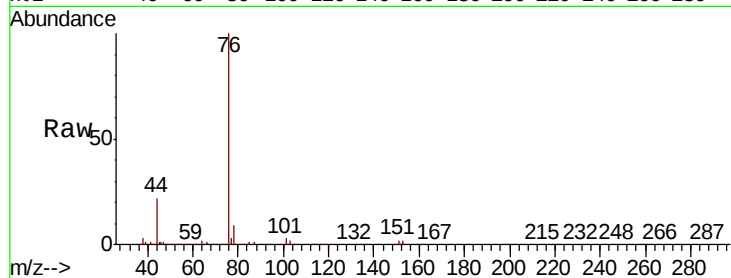
Tot Ion: 76 Resp: 1345071

Ion Ratio Lower Upper

76 100

44 21.7 18.4 27.6

78 9.0 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 9.763 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL036323.D

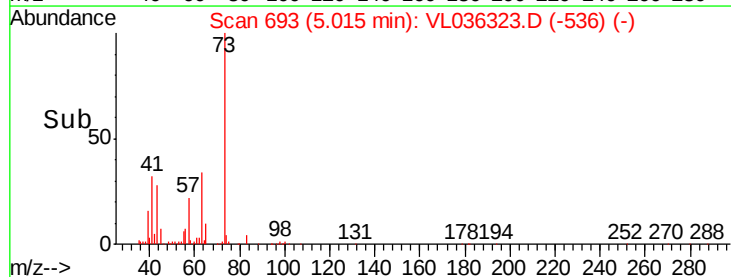
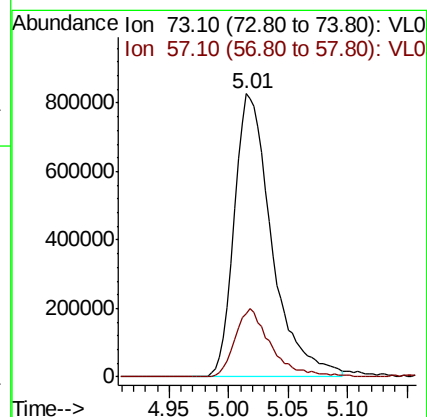
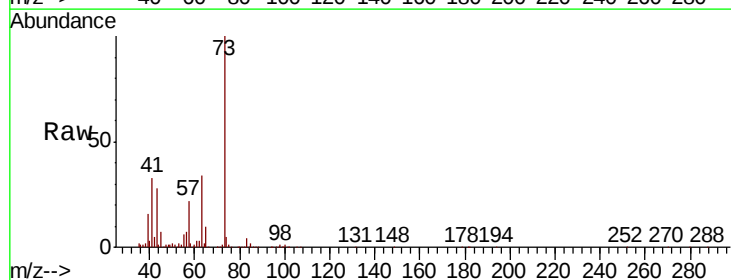
Acq: 10 Feb 2021 18:37

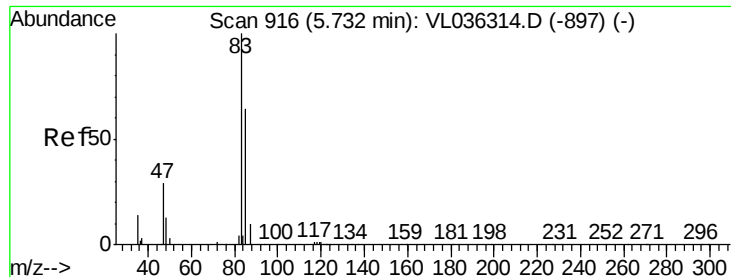
Tgt Ion: 73 Resp: 1807391

Ion Ratio Lower Upper

73 100

57 23.5 19.2 28.8





#29

Chloroform

Concen: 8.938 ppbv

RT: 5.74 min Scan# 918

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

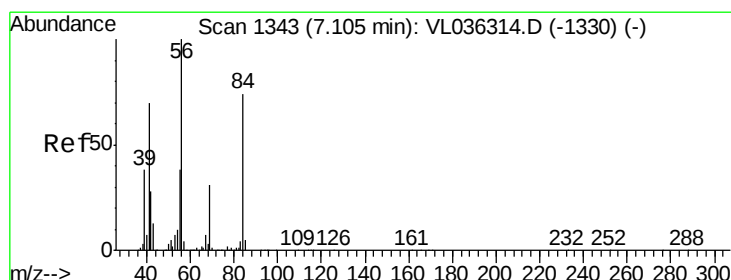
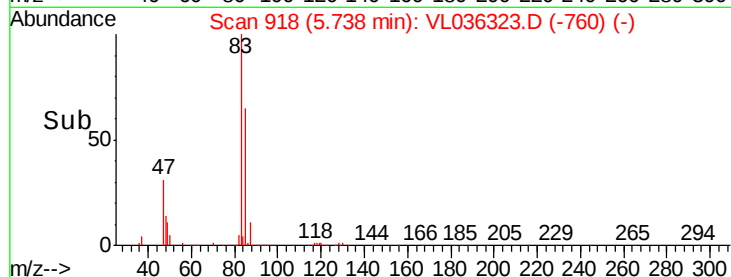
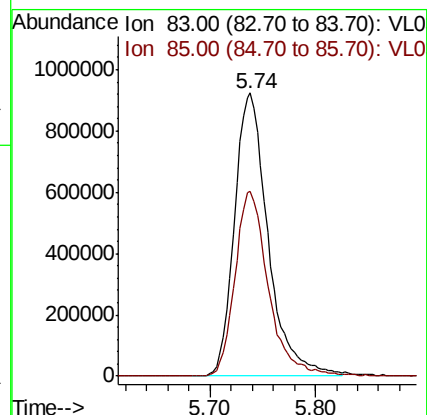
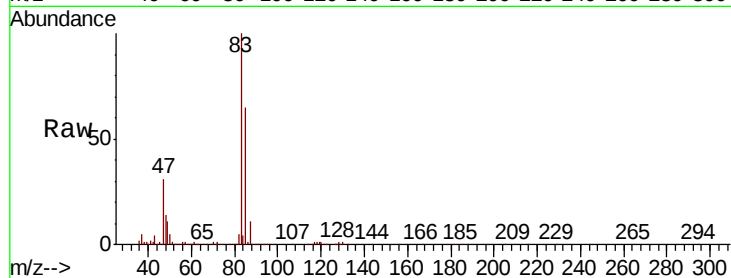
ClientSampleId :

Tot Ion: 83 Resp: 2040602

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2



#30

Cyclohexane

Concen: 9.008 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

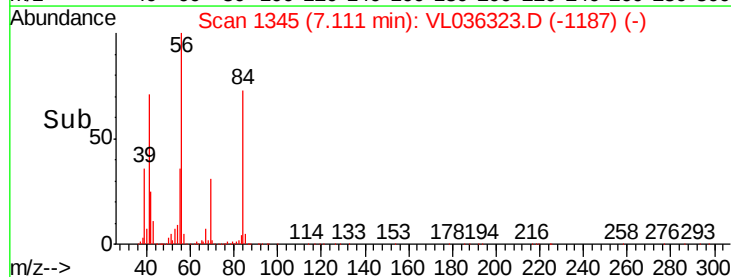
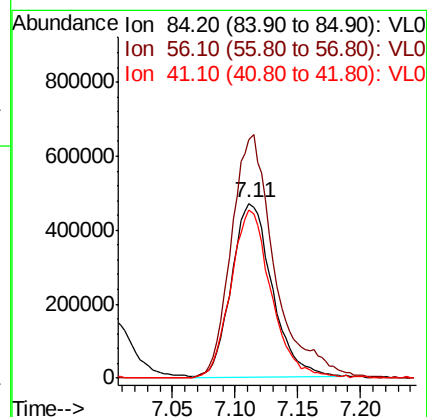
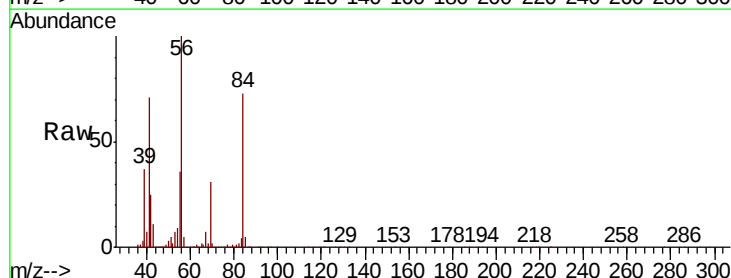
Tgt Ion: 84 Resp: 1061622

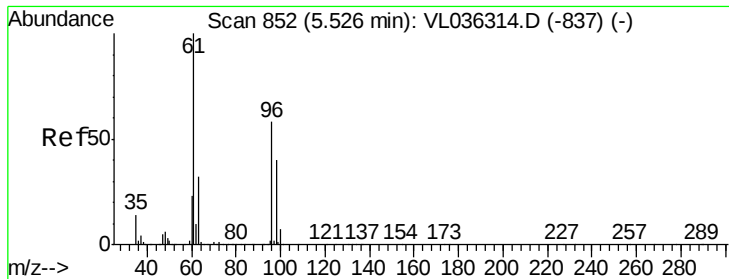
Ion Ratio Lower Upper

84 100

56 150.4 120.2 180.4

41 96.7 79.7 119.5



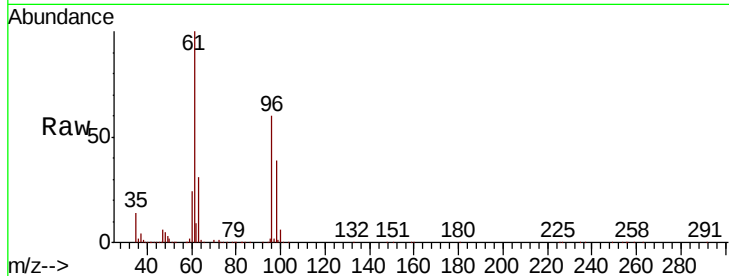


#31

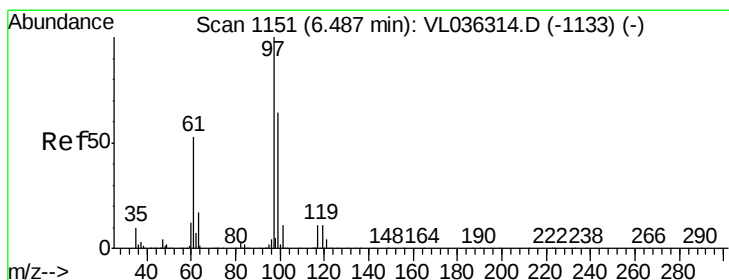
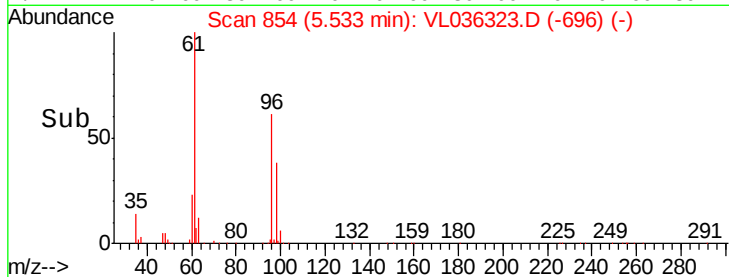
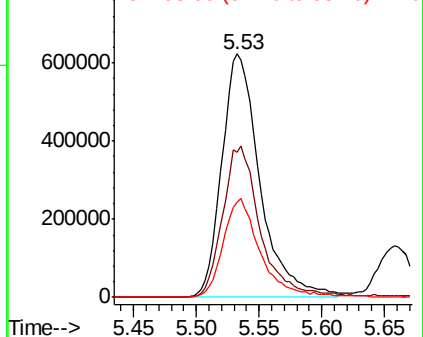
cis-1,2-Dichloroethene
 Concen: 9.285 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1301936
 Ion Ratio Lower Upper
 61 100
 96 59.8 46.0 69.0
 98 39.1 31.9 47.9



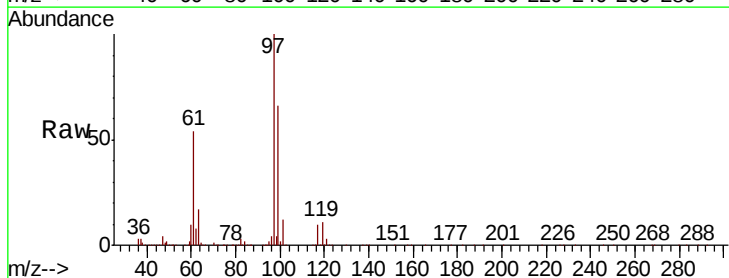
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



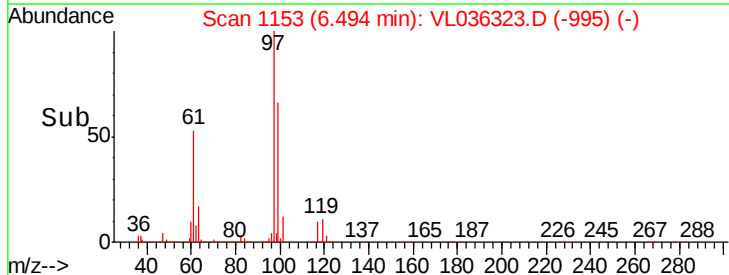
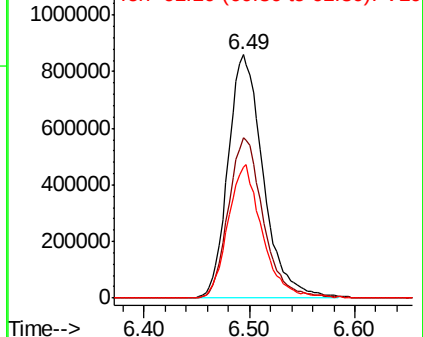
#32

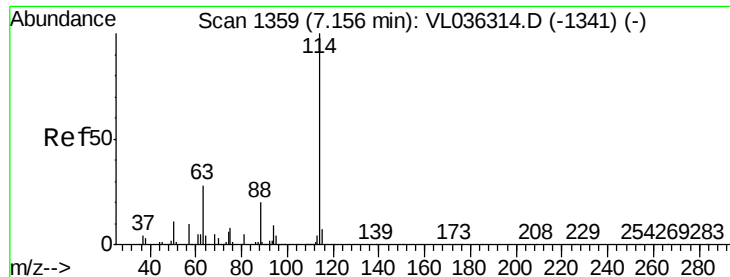
1,1,1-Trichloroethane
 Concen: 9.323 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion: 97 Resp: 1989867
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.2 78.4
 61 53.4 43.3 64.9



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

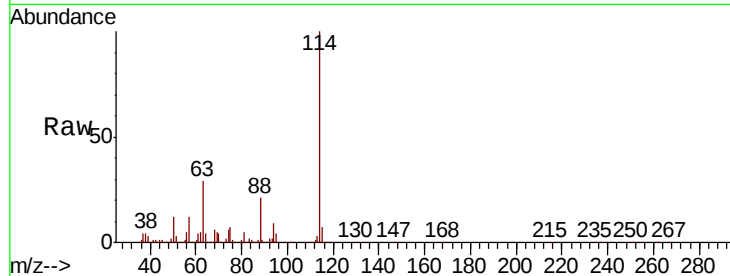




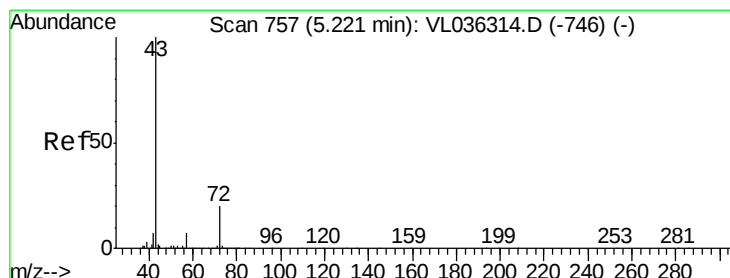
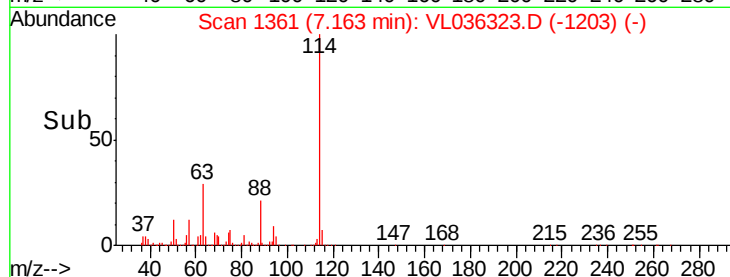
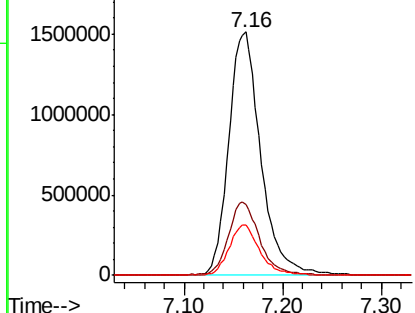
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3428276
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 20.1 16.0 24.0

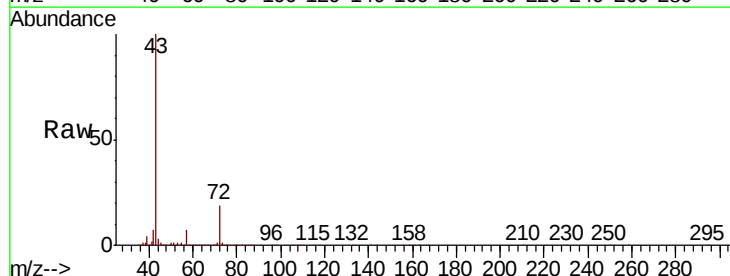


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

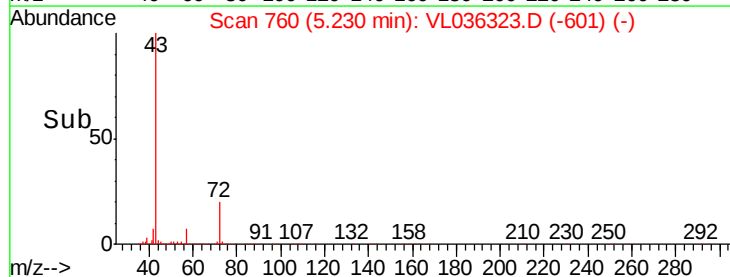
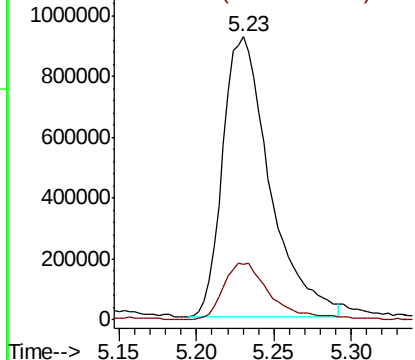


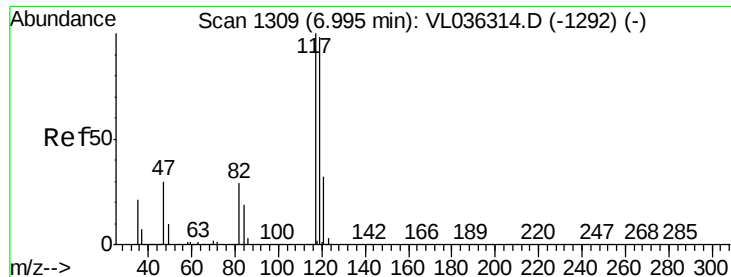
#34
 2-Butanone
 Concen: 8.563 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion: 43 Resp: 1950458
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.7 25.1



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

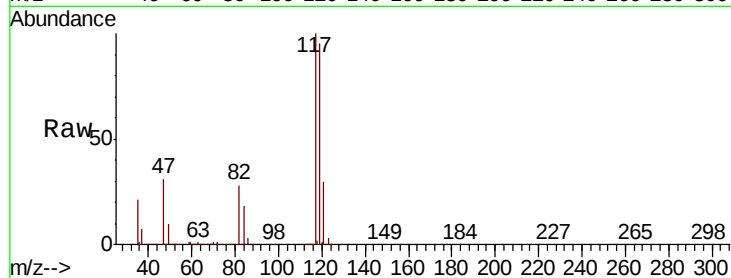




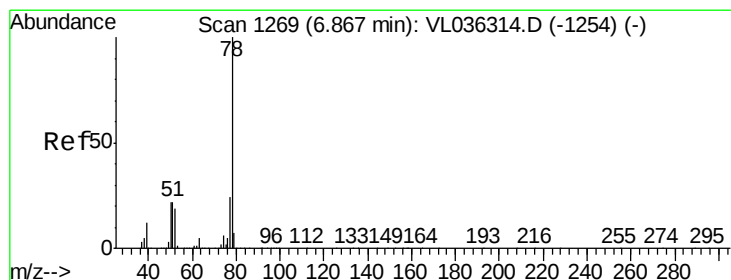
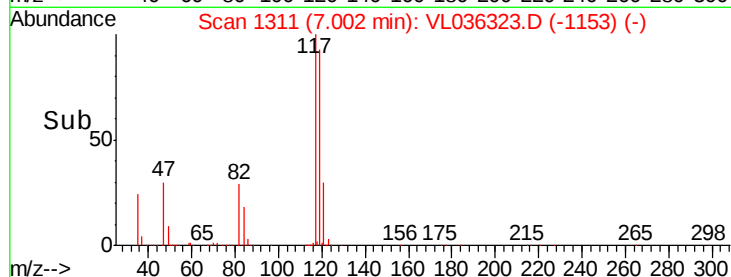
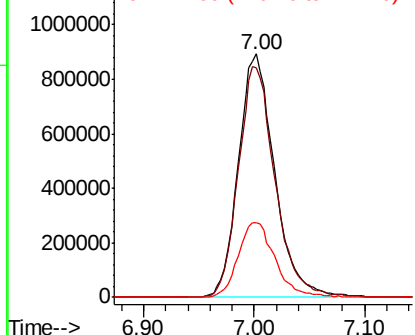
#35
Carbon Tetrachloride
Concen: 8.841 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2031334
Ion Ratio Lower Upper
117 100
119 94.5 78.1 117.1
121 30.5 25.8 38.8

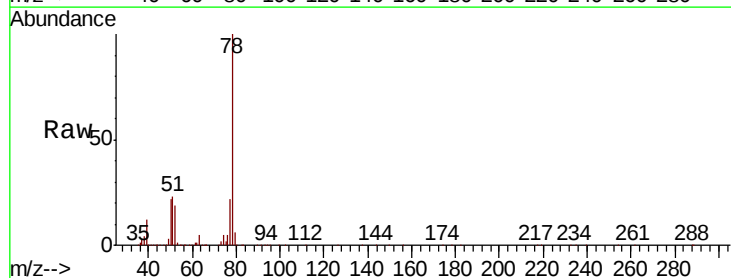


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

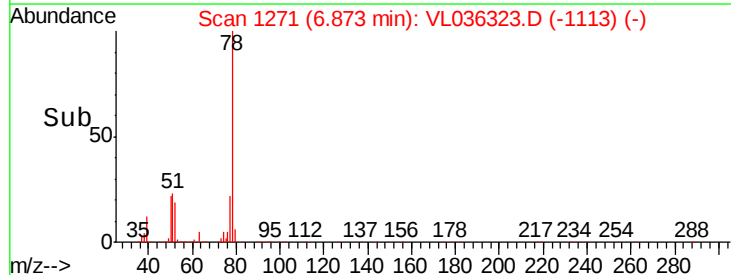
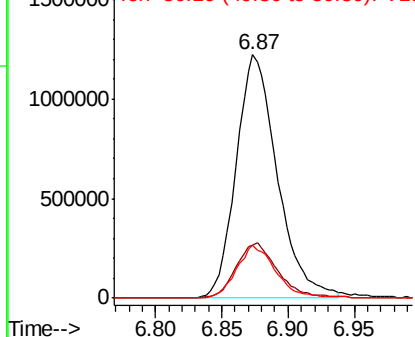


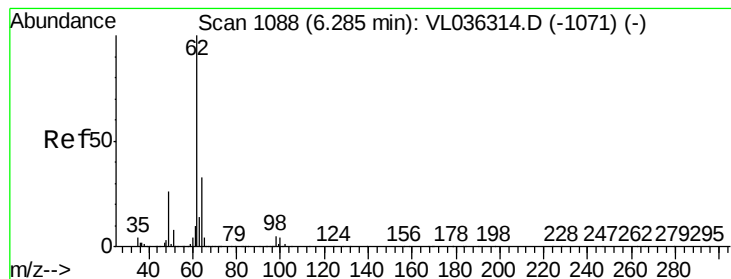
#36
Benzene
Concen: 9.059 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 78 Resp: 2638182
Ion Ratio Lower Upper
78 100
77 21.6 18.9 28.3
50 21.7 17.3 25.9



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: 8.931 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

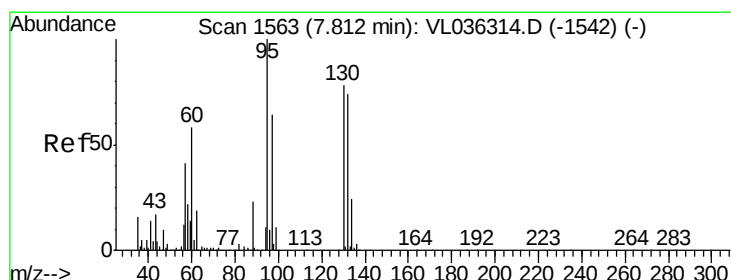
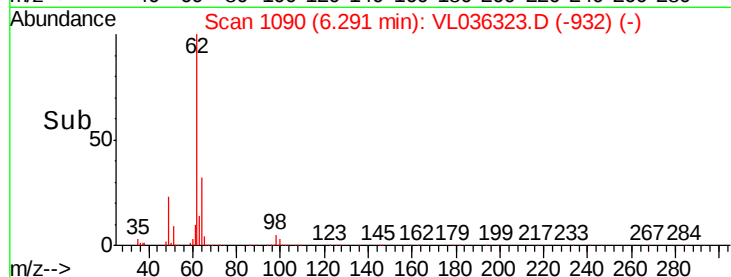
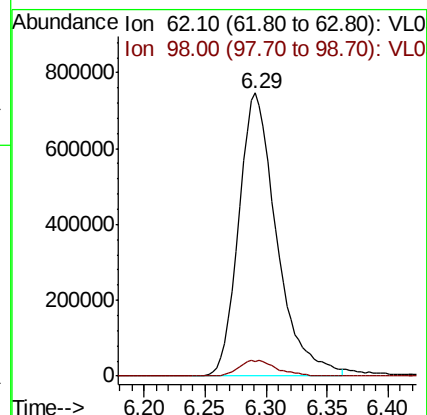
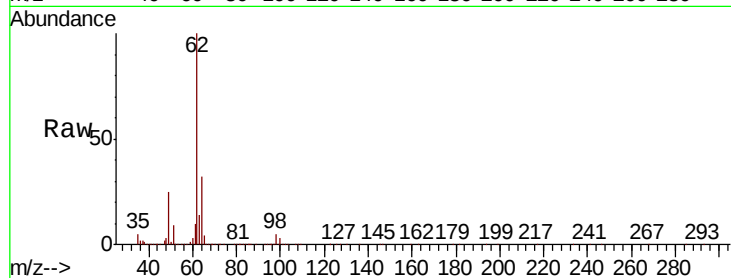
ClientSampleId :

Tot Ion: 62 Resp: 1608155

Ion Ratio Lower Upper

62 100

98 5.9 4.5 6.7



#38

Trichloroethene

Concen: 8.613 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion: 130 Resp: 898531

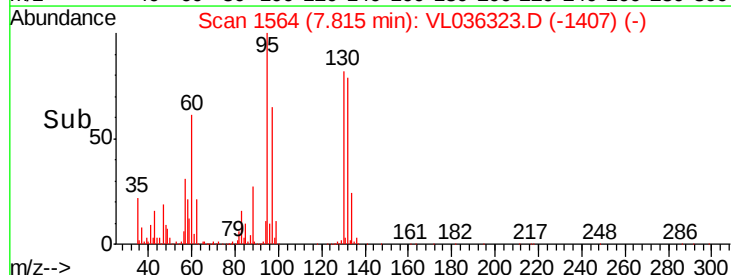
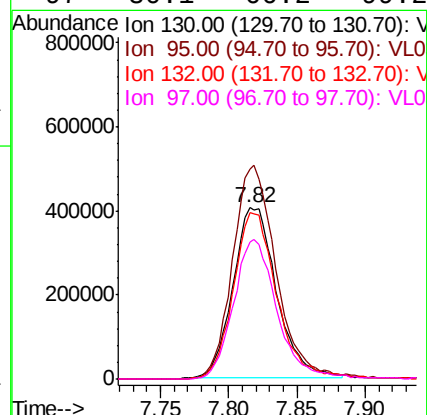
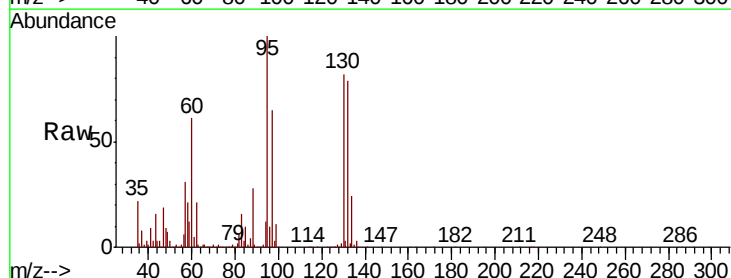
Ion Ratio Lower Upper

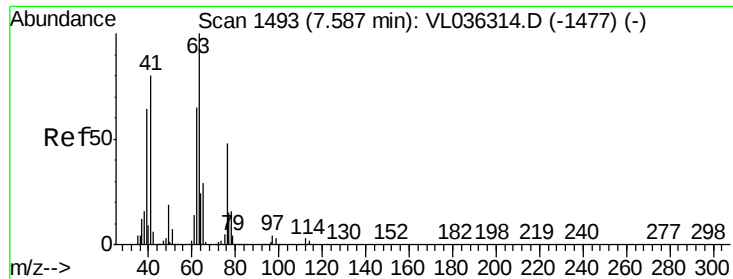
130 100

95 123.2 102.8 154.2

132 97.1 75.7 113.5

97 80.1 66.2 99.2

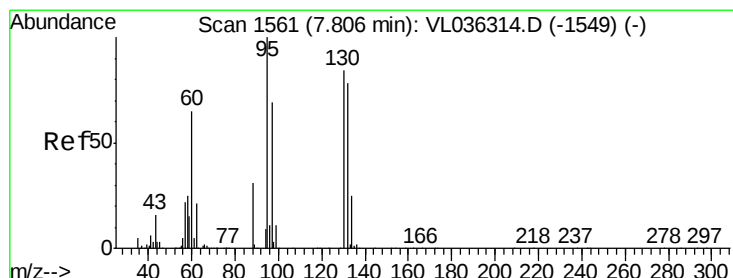
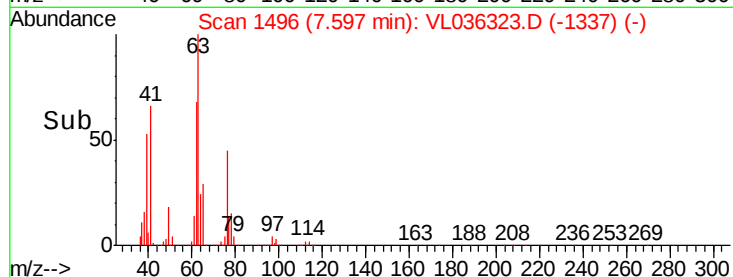
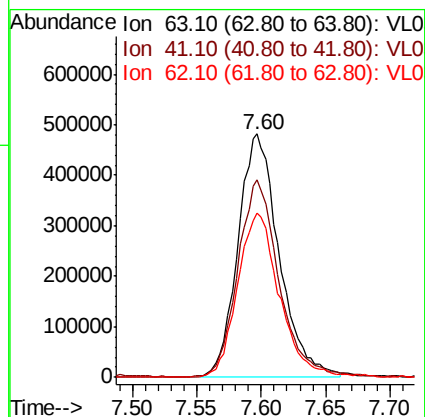
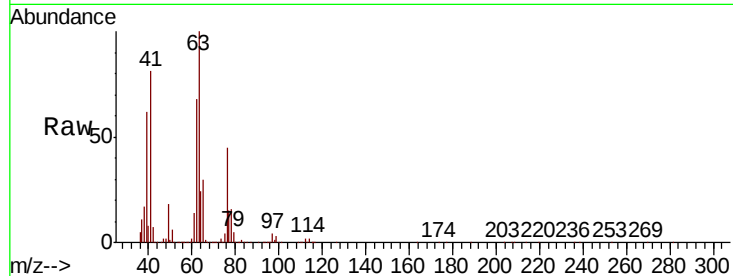




#39
 1,2-Dichloropropane
 Concen: 9.019 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

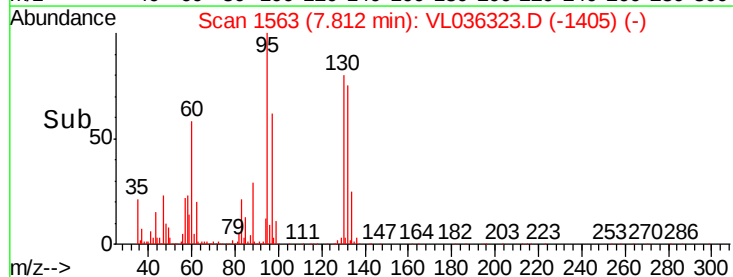
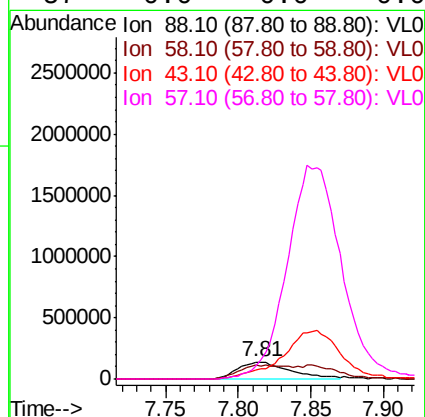
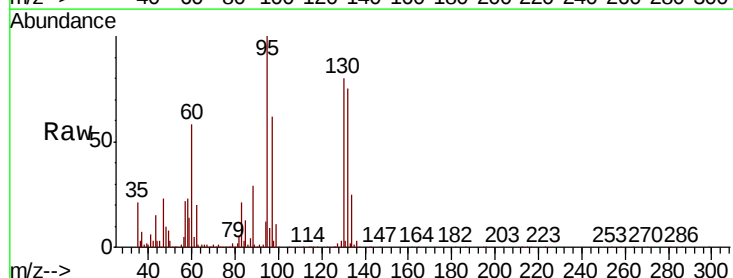
Instrument :
 MSVOA_L
 ClientSampleId :

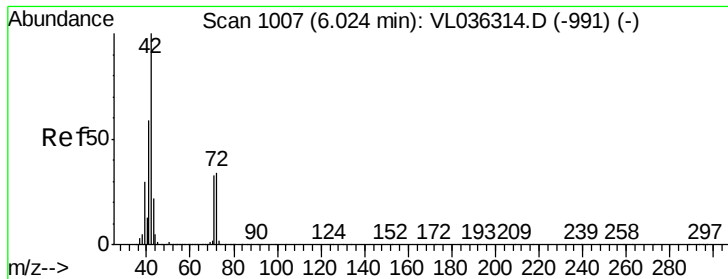
Tot Ion: 63 Resp: 1066995
 Ion Ratio Lower Upper
 63 100
 41 81.0 63.8 95.6
 62 67.7 52.3 78.5



#40
 1,4-Dioxane
 Concen: 8.353 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion: 88 Resp: 342370
 Ion Ratio Lower Upper
 88 100
 58 145.6 45.0 67.4#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.327 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :

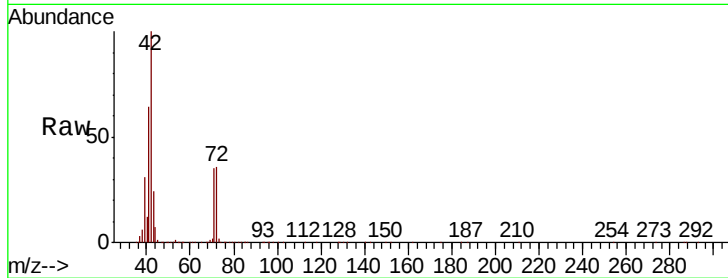
Tot Ion: 42 Resp: 1185535

Ion Ratio Lower Upper

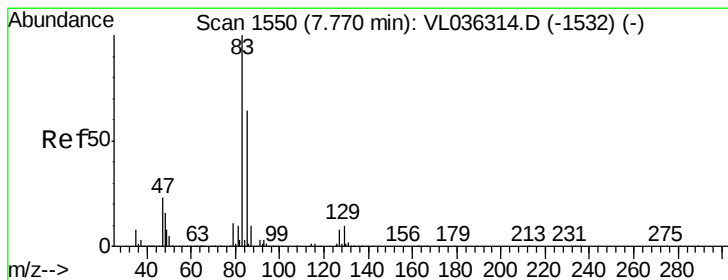
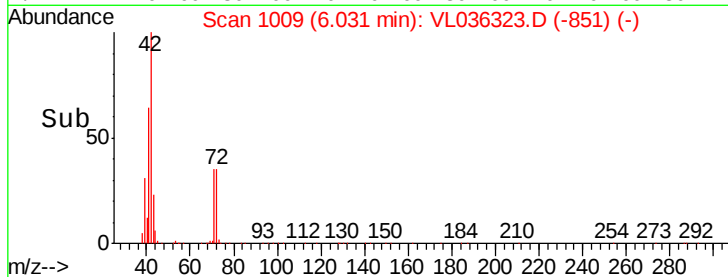
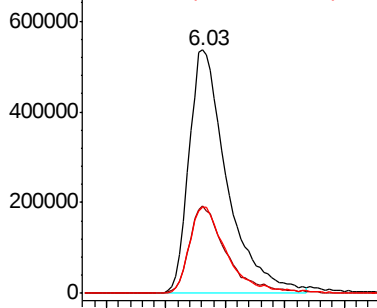
42 100

72 35.6 29.3 43.9

71 35.6 27.8 41.8



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.063 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

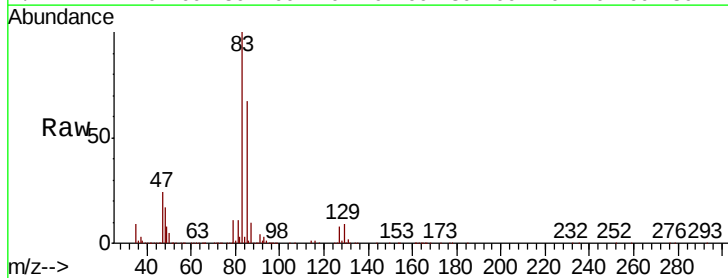
Tgt Ion: 83 Resp: 2185461

Ion Ratio Lower Upper

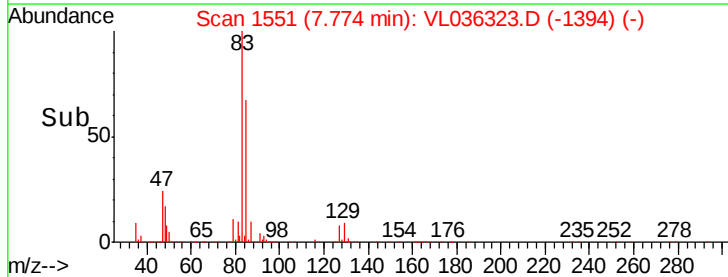
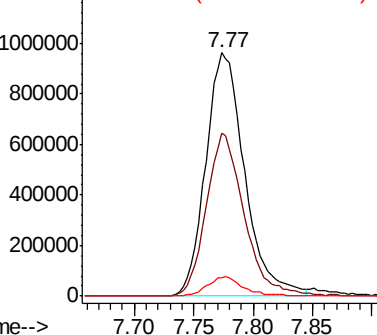
83 100

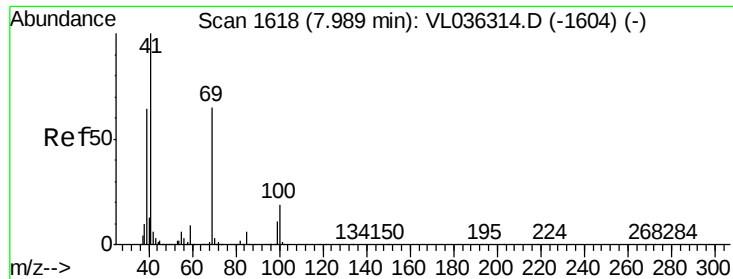
85 66.9 51.1 76.7

127 7.7 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.640 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampled :

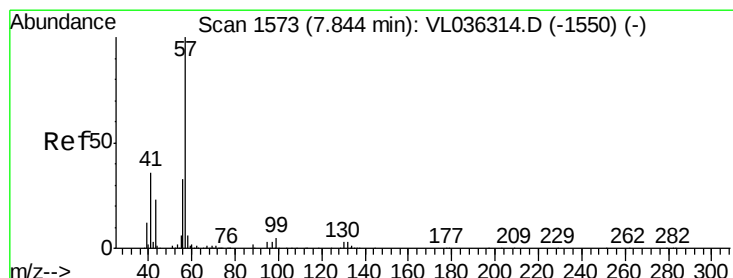
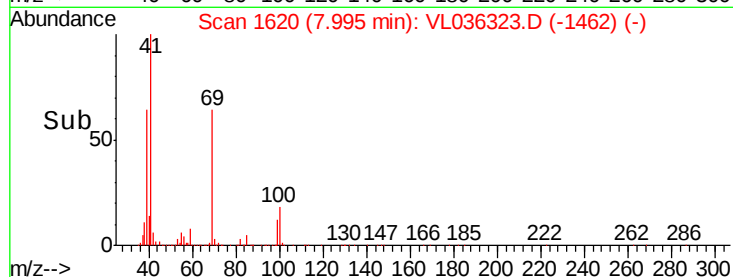
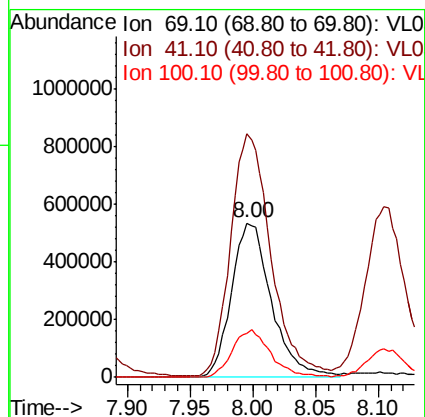
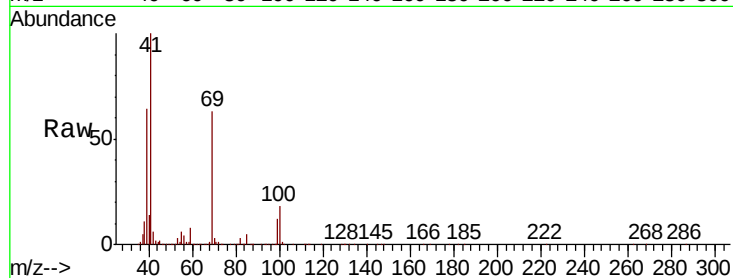
Tot Ion: 69 Resp: 1183971

Ion Ratio Lower Upper

69 100

41 159.3 126.5 189.7

100 29.9 23.1 34.7



#44

2,2,4-Trimethylpentane

Concen: 4.424 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

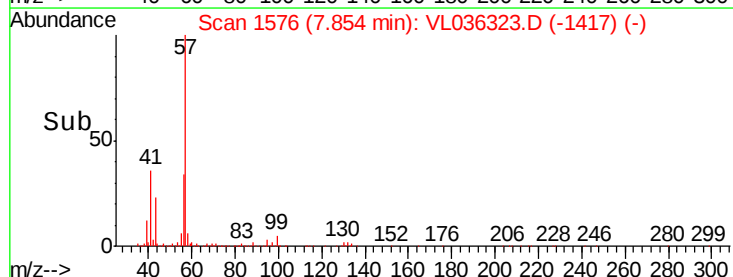
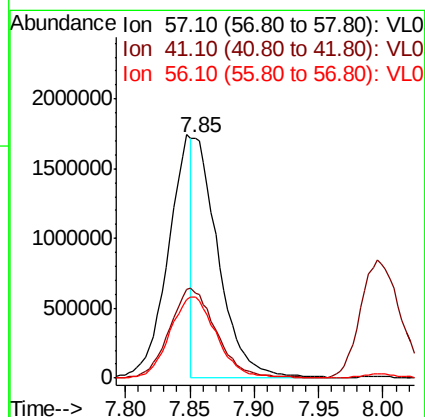
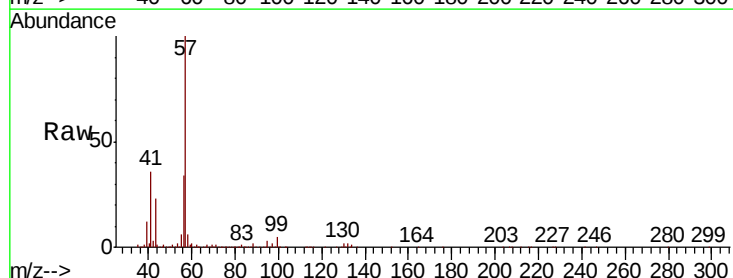
Tgt Ion: 57 Resp: 2342565

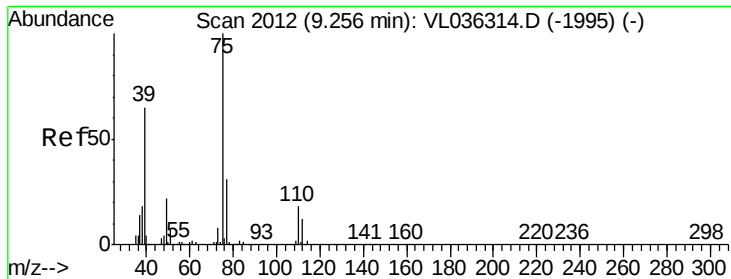
Ion Ratio Lower Upper

57 100

41 69.4 28.8 43.2#

56 62.7 25.8 38.6#

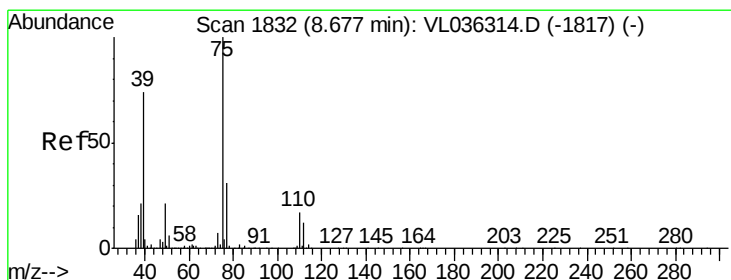
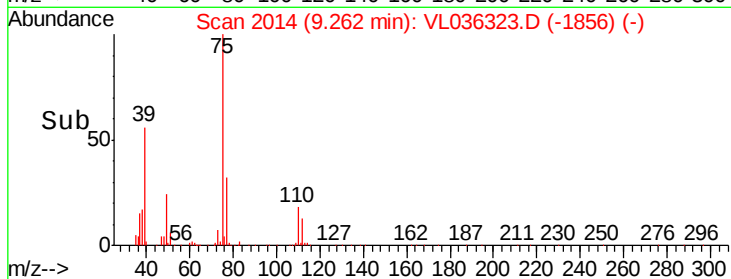
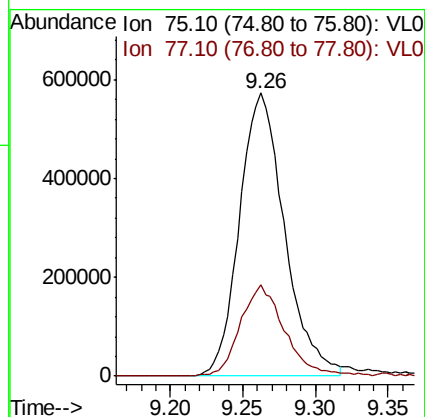
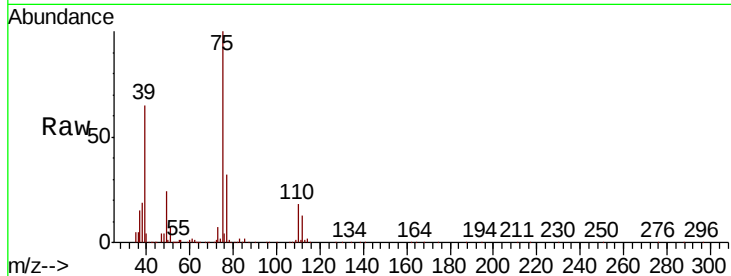




#45
t-1,3-Dichloropropene
Concen: 10.388 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

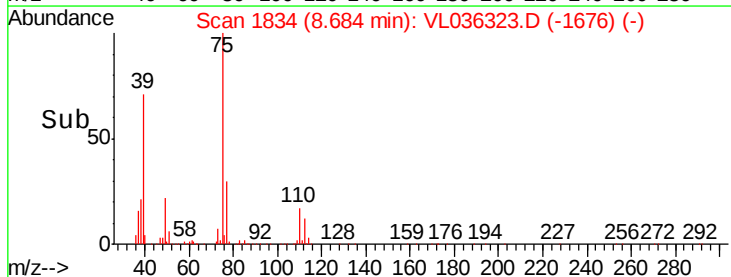
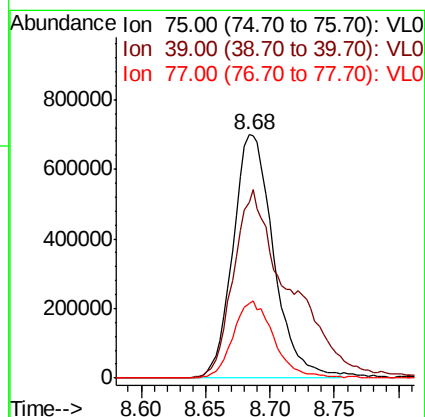
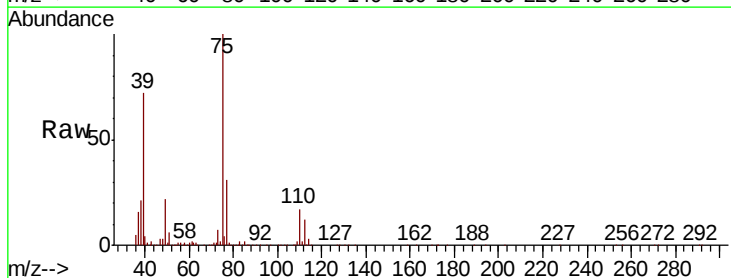
Instrument :
MSVOA_L
ClientSampleId :

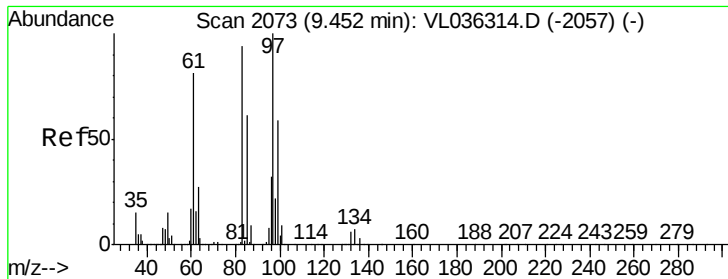
Tot Ion: 75 Resp: 1230785
Ion Ratio Lower Upper
75 100
77 32.5 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 10.142 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 75 Resp: 1526371
Ion Ratio Lower Upper
75 100
39 72.2 59.2 88.8
77 30.4 25.0 37.6



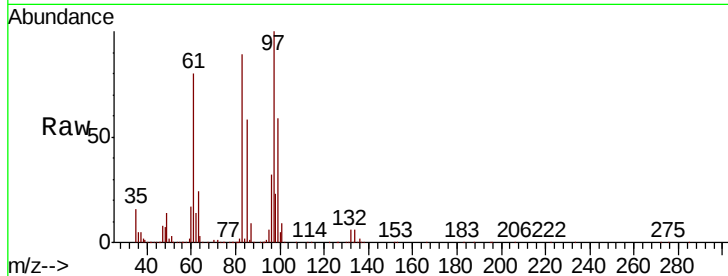


#47
 1,1,2-Trichloroethane
 Concen: 8.552 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

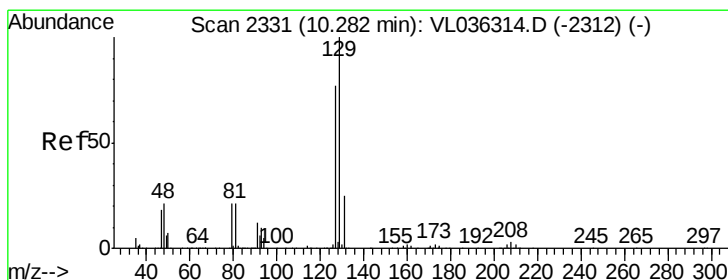
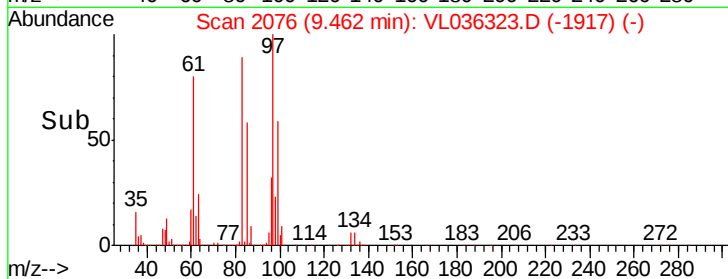
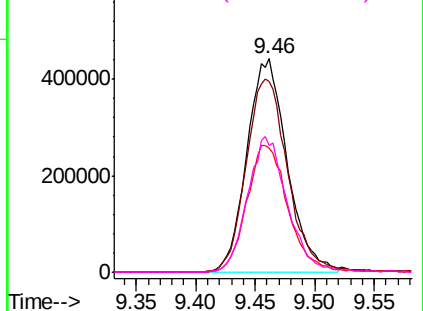
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1035362

Ion	Ratio	Lower	Upper
97	100		
83	89.2	75.4	113.0
85	58.0	48.9	73.3
99	59.2	46.9	70.3



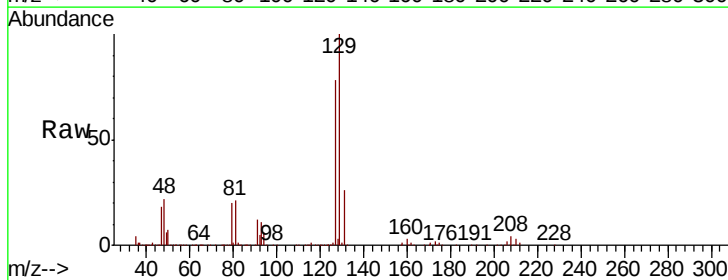
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



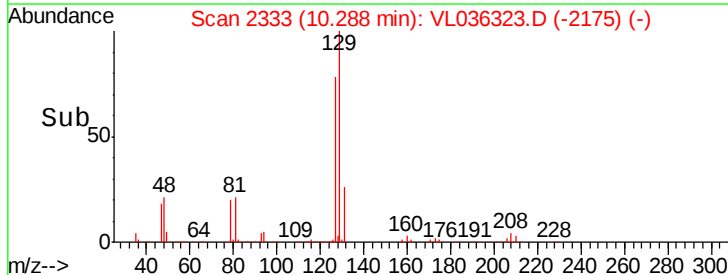
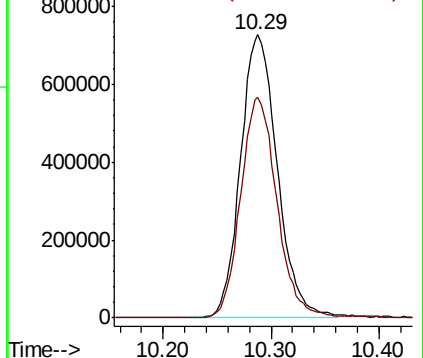
#48
 Dibromochloromethane
 Concen: 9.547 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

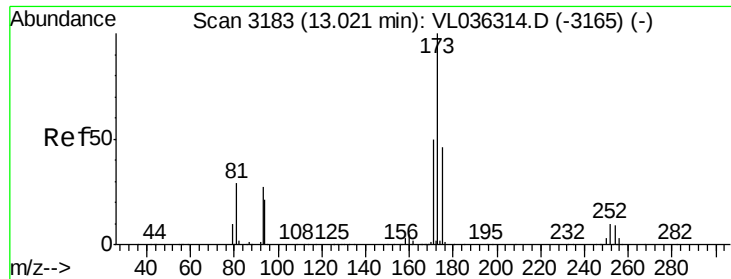
Tgt Ion: 129 Resp: 1724749

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.313 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

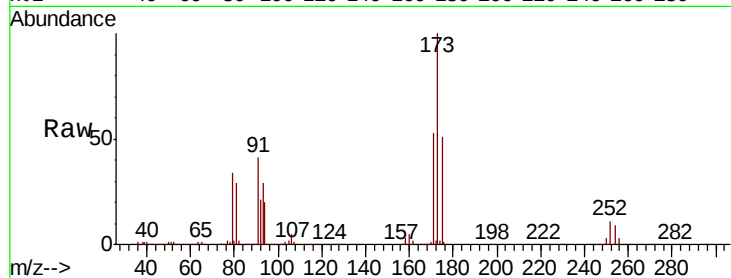
Tot Ion:173 Resp: 1360070

Ion Ratio Lower Upper

173 100

175 49.1 40.2 60.2

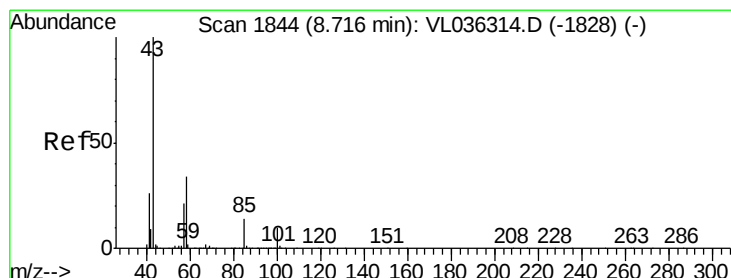
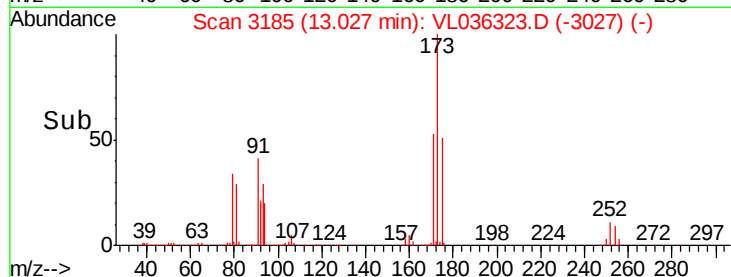
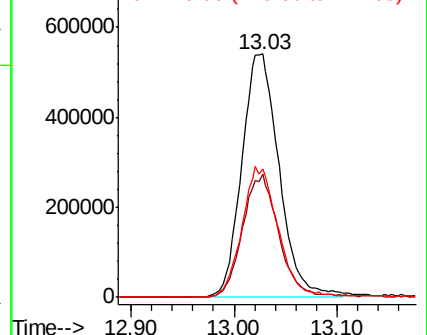
171 52.7 43.4 65.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.115 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036323.D

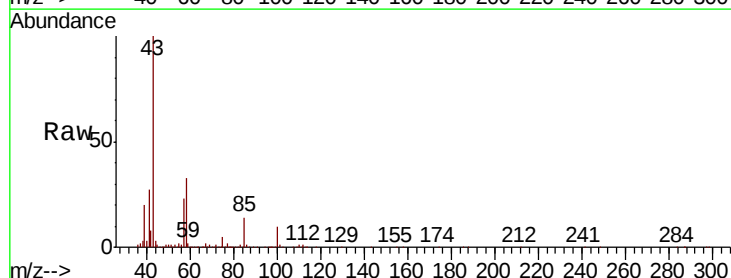
Acq: 10 Feb 2021 18:37

Tgt Ion: 43 Resp: 3082271

Ion Ratio Lower Upper

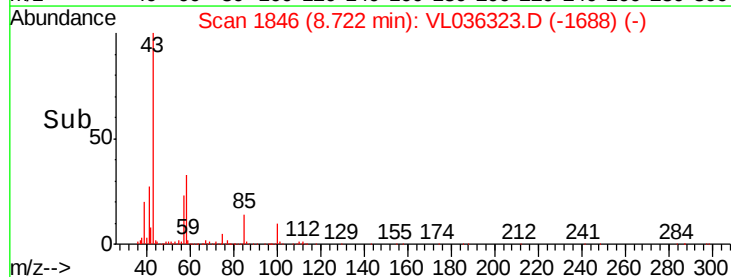
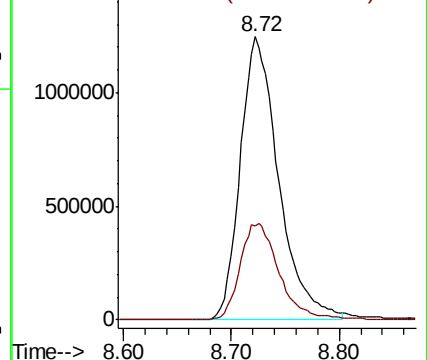
43 100

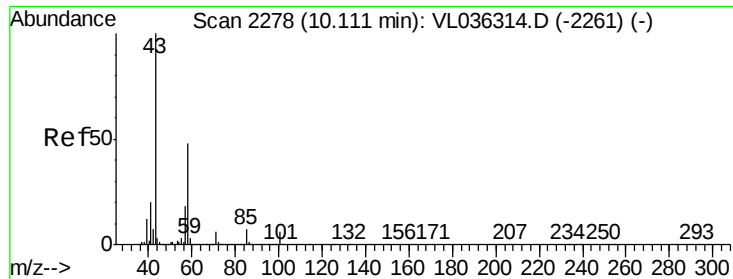
58 35.2 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

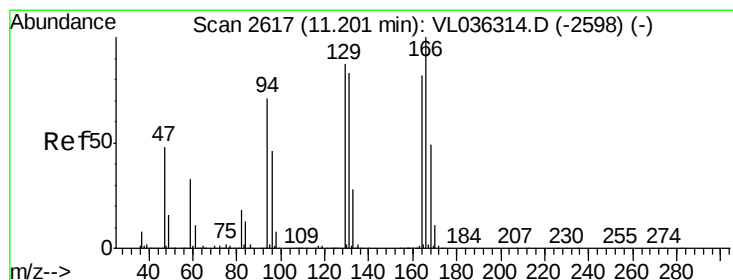
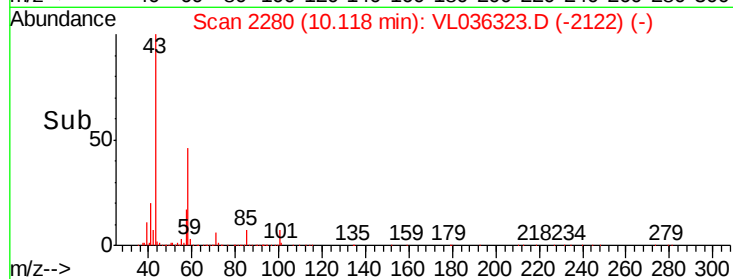
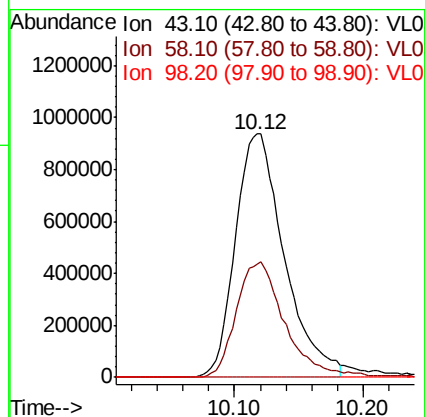
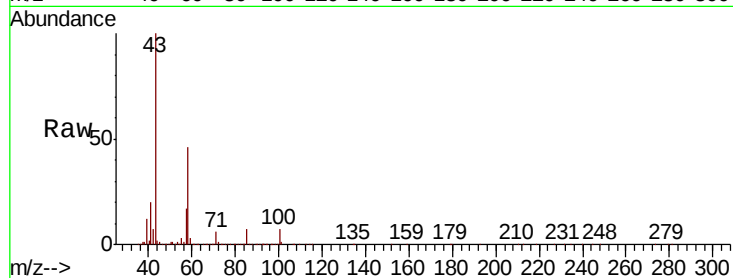




#51
2-Hexanone
Concen: 9.571 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

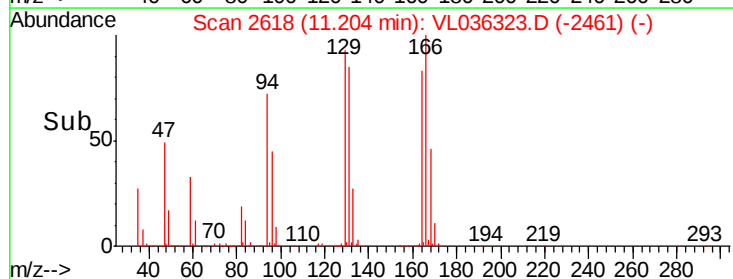
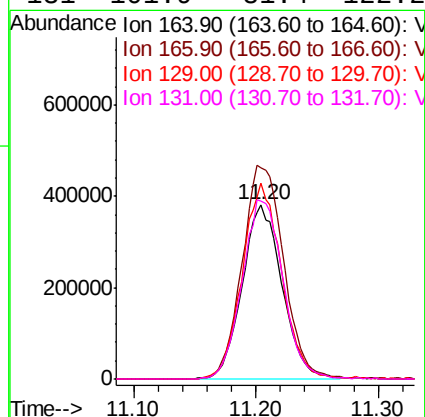
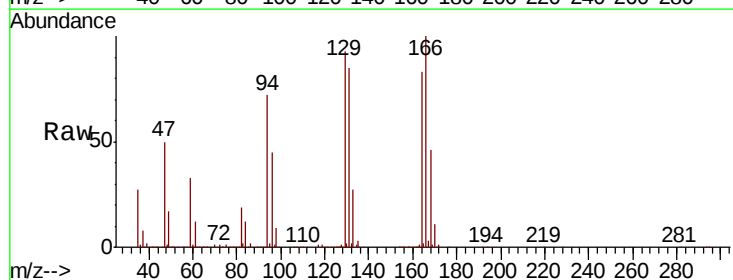
Instrument :
MSVOA_L
ClientSampleId :

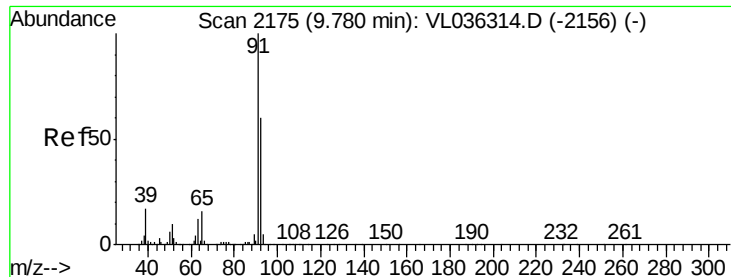
Tot Ion: 43 Resp: 2459108
Ion Ratio Lower Upper
43 100
58 47.7 38.7 58.1
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.061 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 164 Resp: 859428
Ion Ratio Lower Upper
164 100
166 120.6 97.8 146.8
129 112.4 84.9 127.3
131 101.9 81.4 122.2





#53

Toluene

Concen: 9.367 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

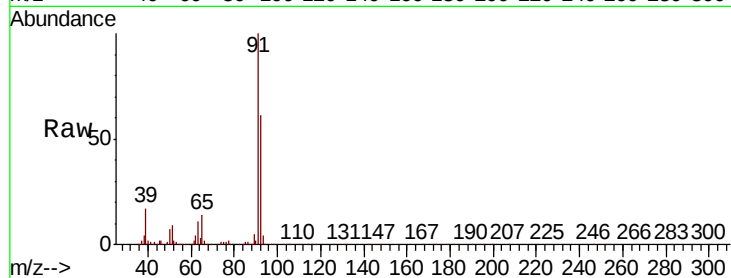
ClientSampleId :

Tot Ion: 91 Resp: 2954757

Ion Ratio Lower Upper

91 100

92 61.0 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.79

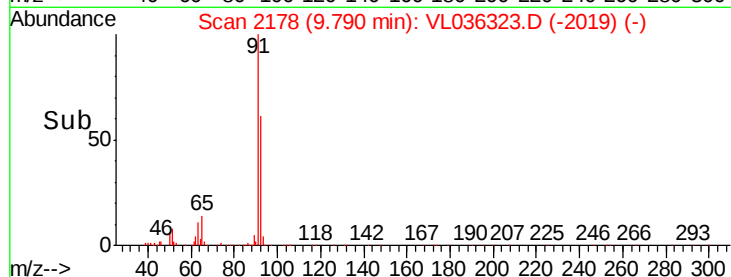
1500000

1000000

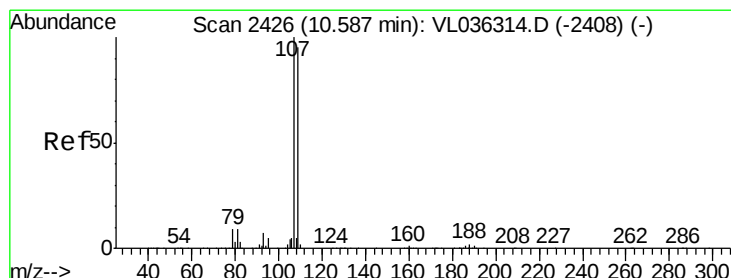
500000

0

9.70 9.75 9.80 9.85 9.90



Time-->



#54

1,2-Dibromoethane

Concen: 8.745 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL036323.D

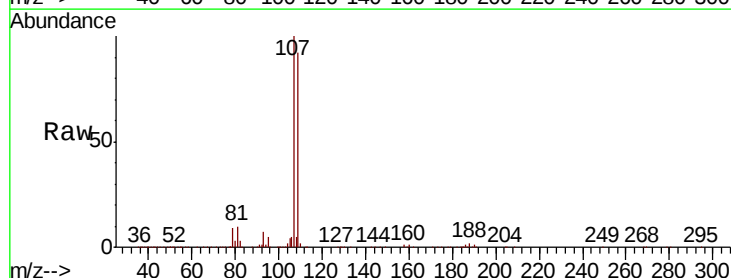
Acq: 10 Feb 2021 18:37

Tgt Ion: 107 Resp: 1530000

Ion Ratio Lower Upper

107 100

109 92.3 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

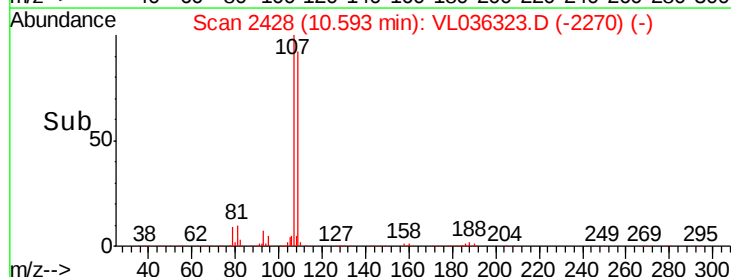
600000

400000

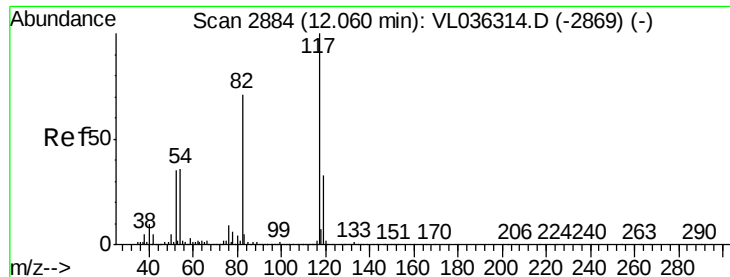
200000

0

10.50 10.60



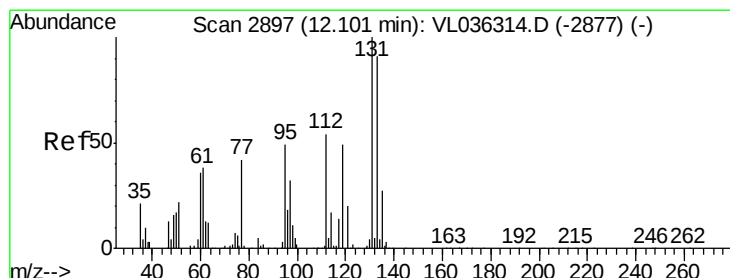
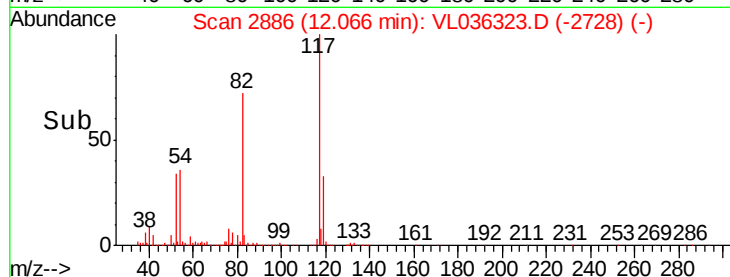
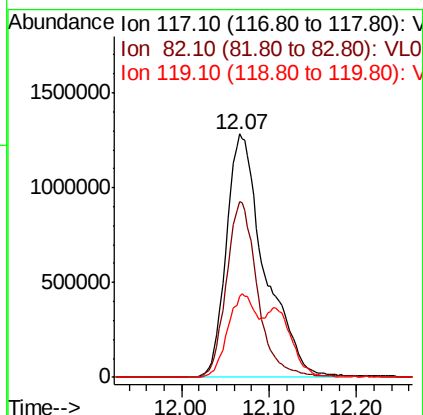
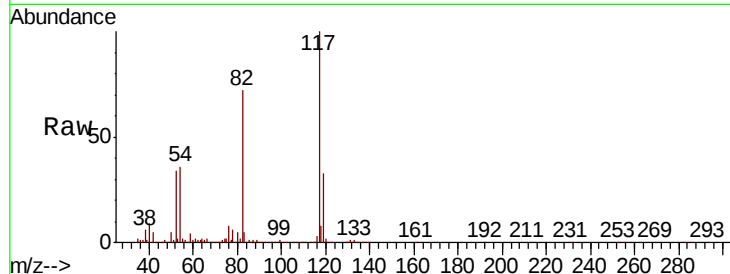
Time-->



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

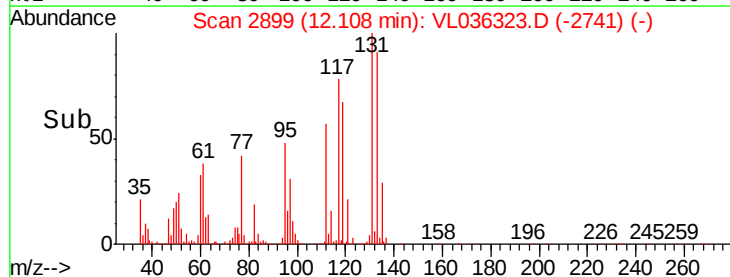
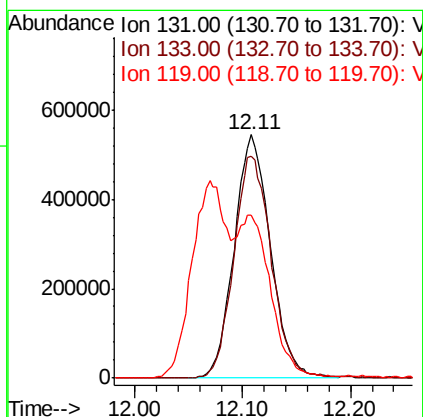
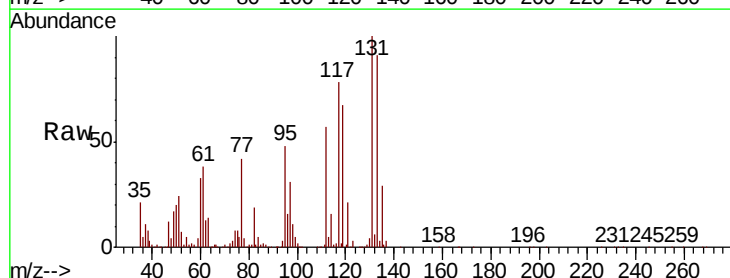
Instrument :
MSVOA_L
ClientSampleId :

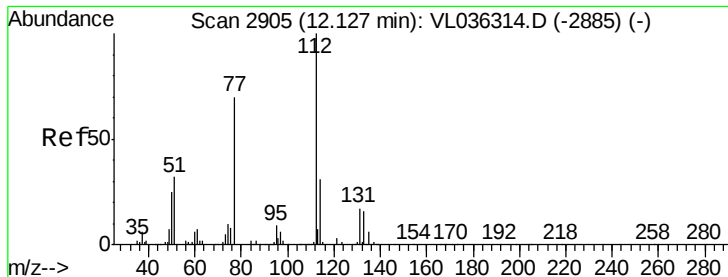
Tot Ion:117 Resp: 3898231
Ion Ratio Lower Upper
117 100
82 59.3 59.1 88.7
119 46.3 46.3 69.5



#56
1,1,1,2-Tetrachloroethane
Concen: 7.094 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion:131 Resp: 1271943
Ion Ratio Lower Upper
131 100
133 95.0 76.0 114.0
119 64.3 115.1 172.7#





#57

Chlorobenzene

Concen: 6.961 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

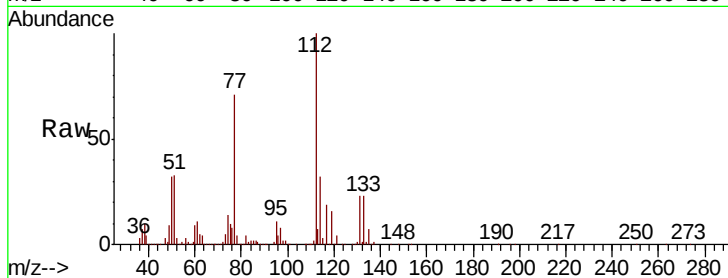
Tot Ion:112 Resp: 2096475

Ion Ratio Lower Upper

112 100

77 70.4 56.1 84.1

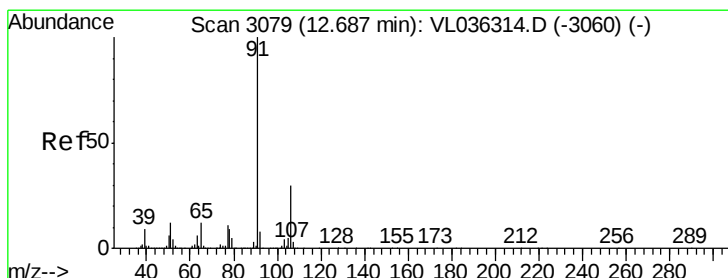
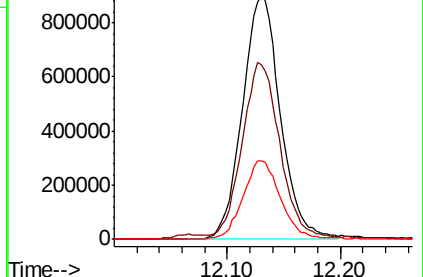
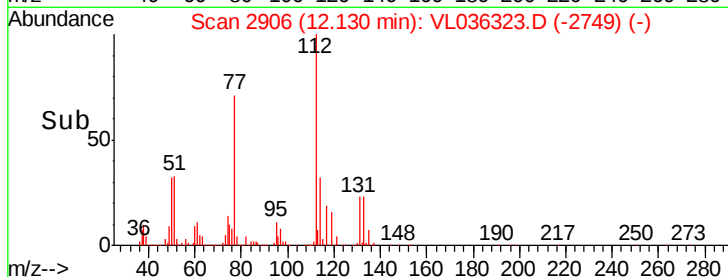
114 31.8 28.3 34.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.405 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036323.D

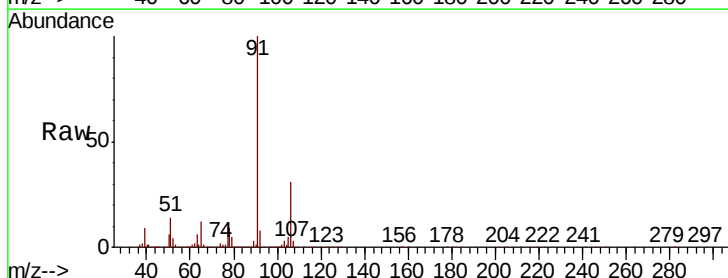
Acq: 10 Feb 2021 18:37

Tgt Ion: 91 Resp: 3952906

Ion Ratio Lower Upper

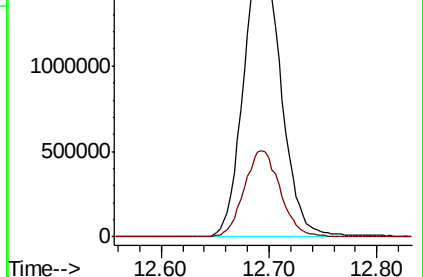
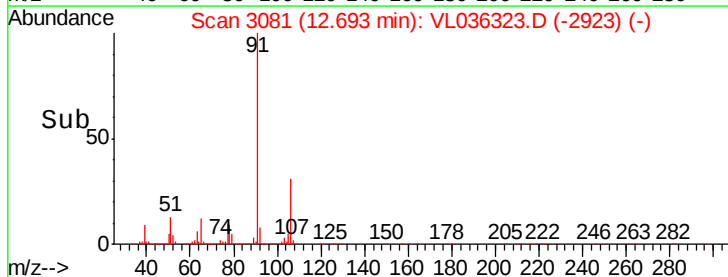
91 100

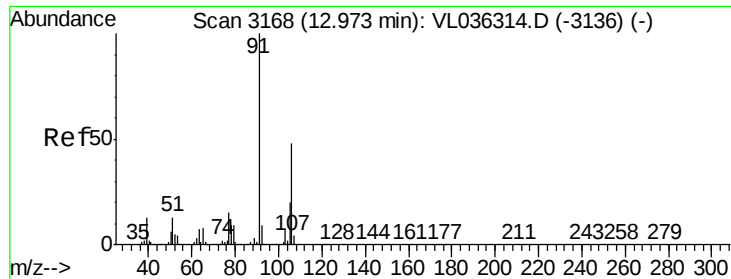
106 30.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

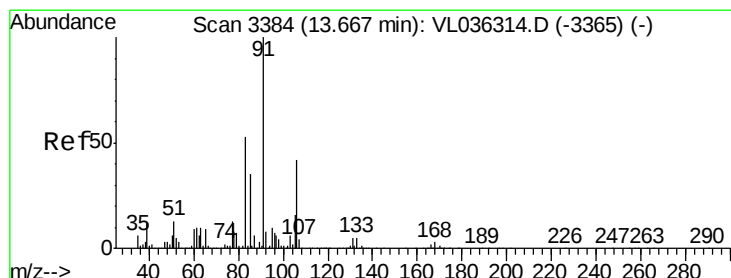
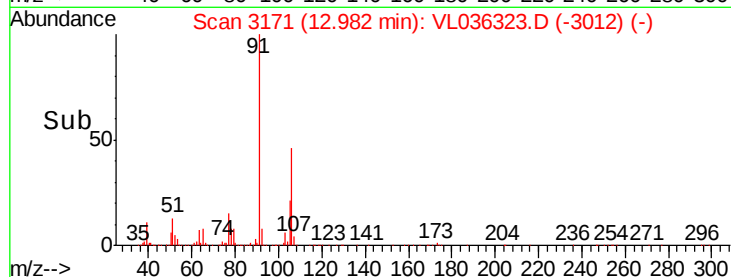
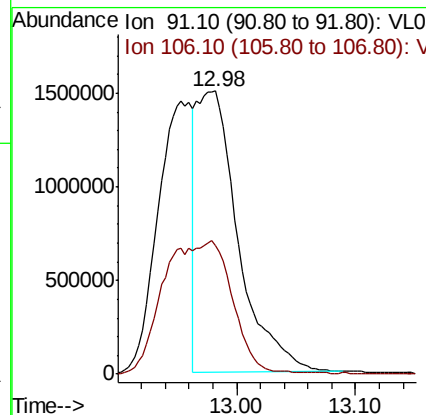
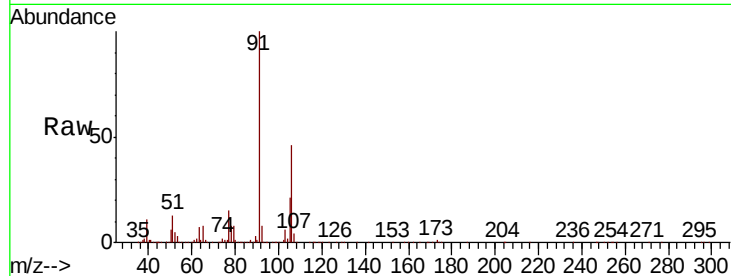




#59
m/p-Xylene
Concen: 7.788 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

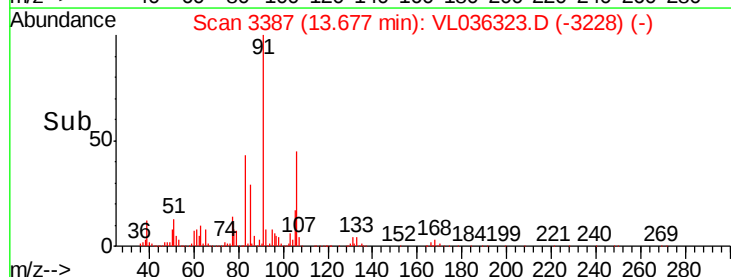
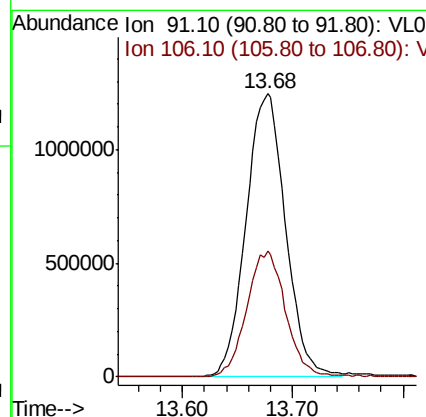
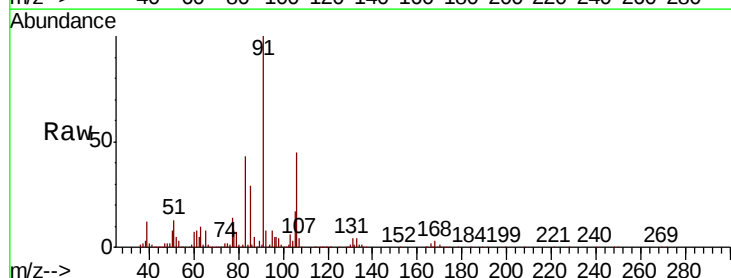
Instrument :
MSVOA_L
ClientSampleId :

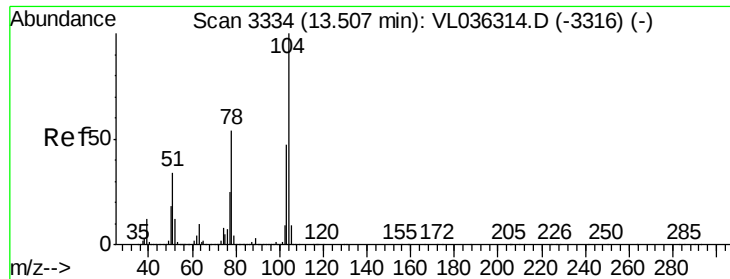
Tot Ion: 91 Resp: 3651481
Ion Ratio Lower Upper
91 100
106 78.3 34.2 51.2#



#60
o-Xylene
Concen: 6.896 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion: 91 Resp: 3091450
Ion Ratio Lower Upper
91 100
106 44.2 22.0 66.0

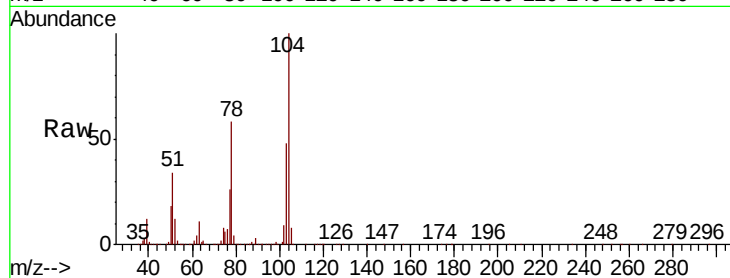




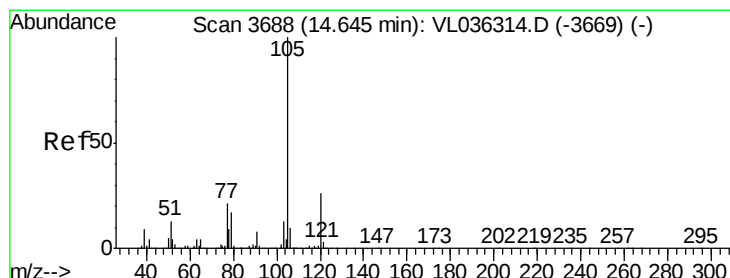
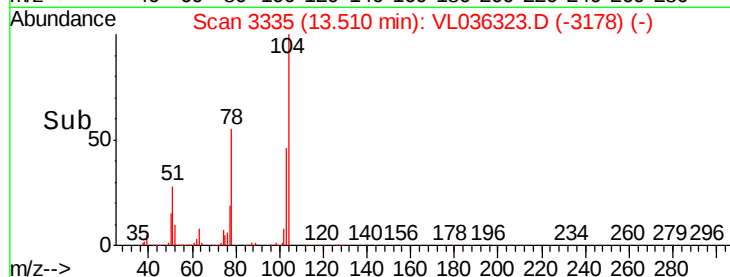
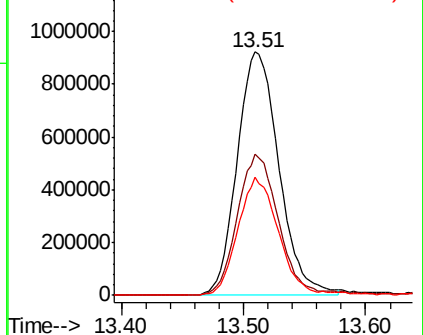
#61
Stvrene
Concen: 7.850 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:104 Resp: 2181010
Ion Ratio Lower Upper
104 100
78 57.9 46.2 69.2
103 47.8 38.3 57.5

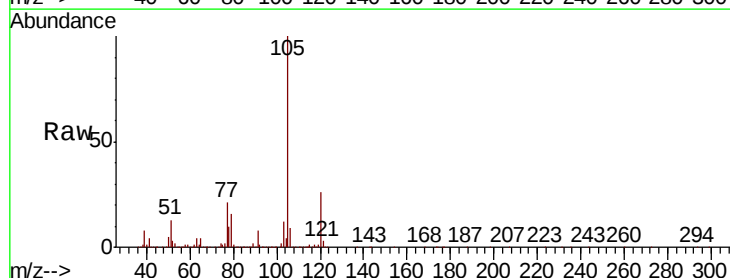


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

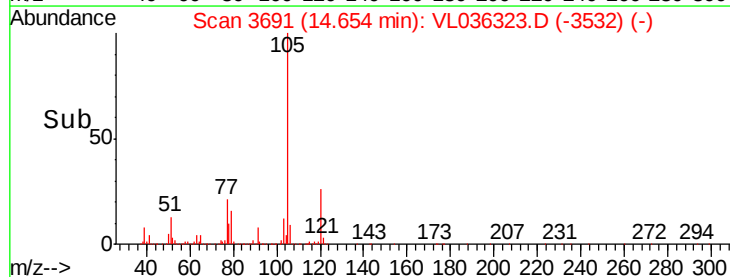
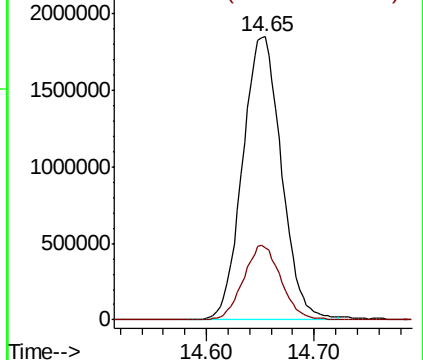


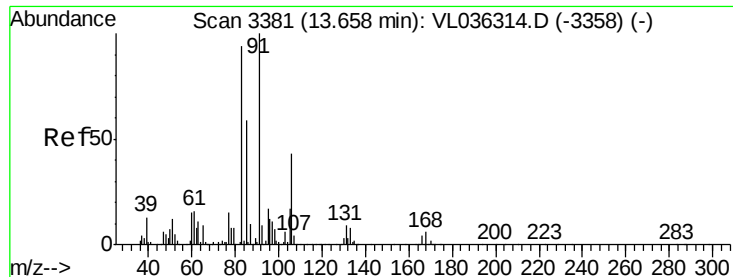
#62
Isopropylbenzene
Concen: 6.892 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion:105 Resp: 4631487
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8



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: 6.039 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

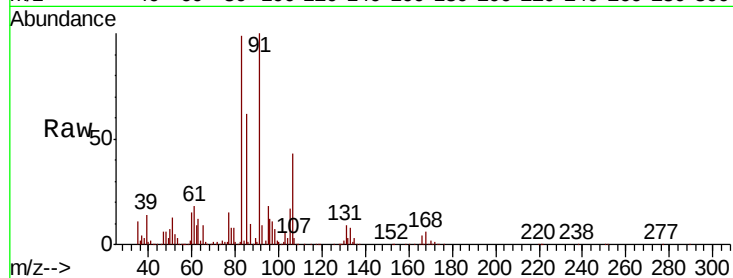
Tot Ion: 83 Resp: 2136258

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

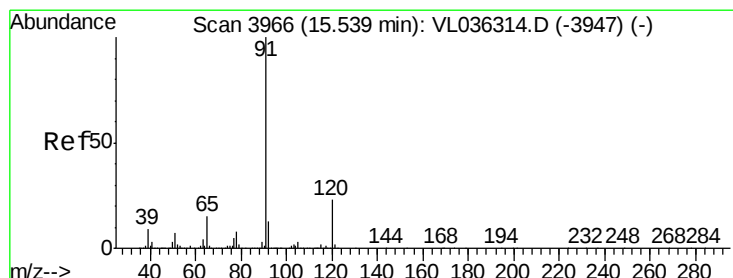
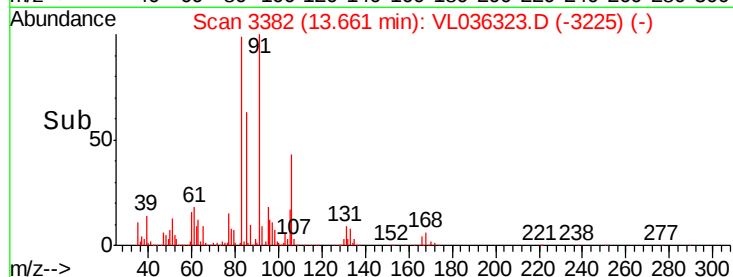
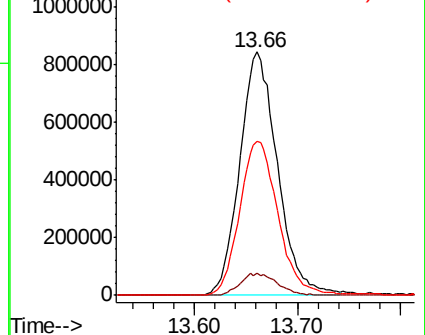
85 65.1 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.169 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL036323.D

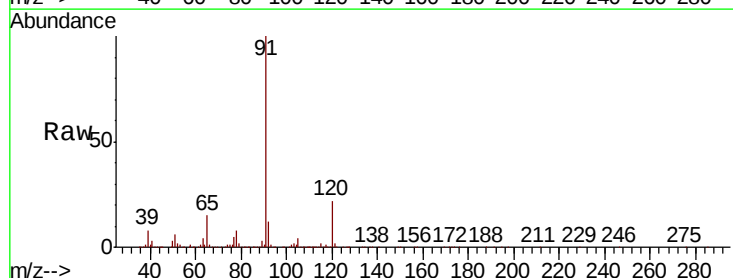
Acq: 10 Feb 2021 18:37

Tgt Ion:120 Resp: 1185649

Ion Ratio Lower Upper

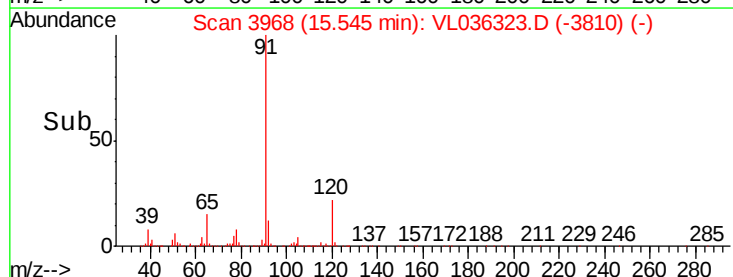
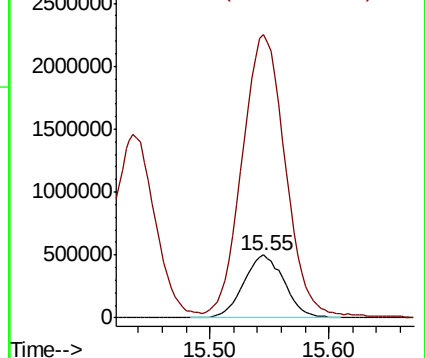
120 100

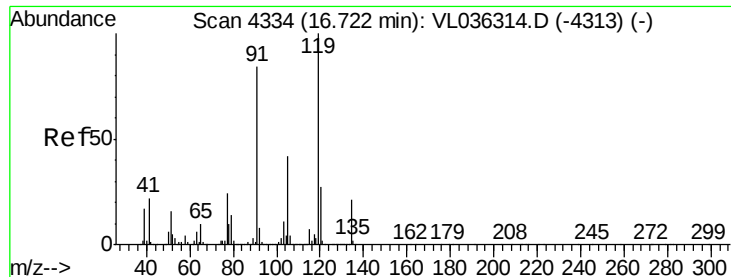
91 482.3 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.678 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

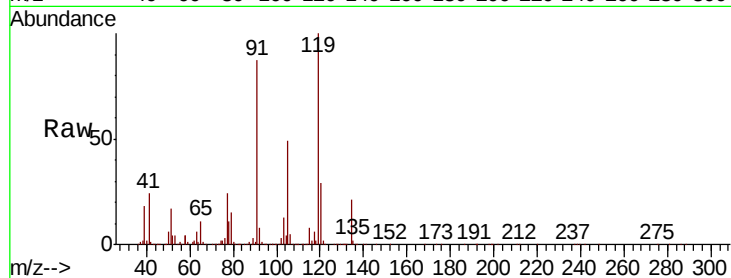
Tot Ion:119 Resp: 3839523

Ion Ratio Lower Upper

119 100

91 87.6 70.5 105.7

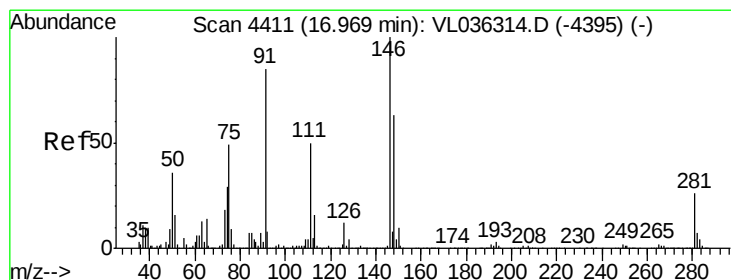
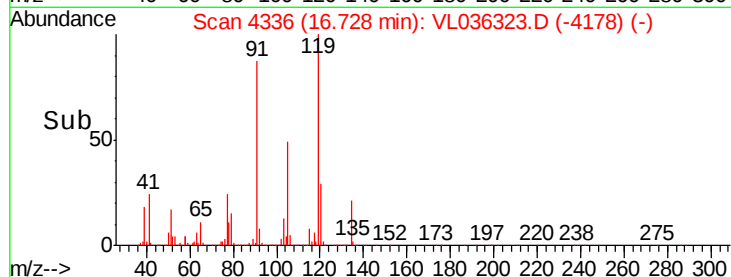
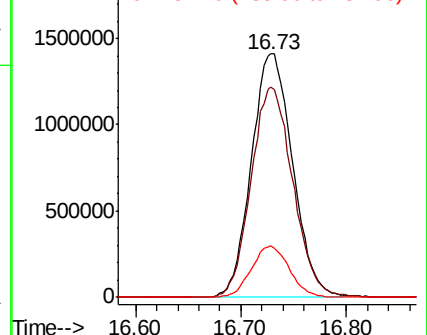
134 19.6 15.8 23.8



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: 8.020 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

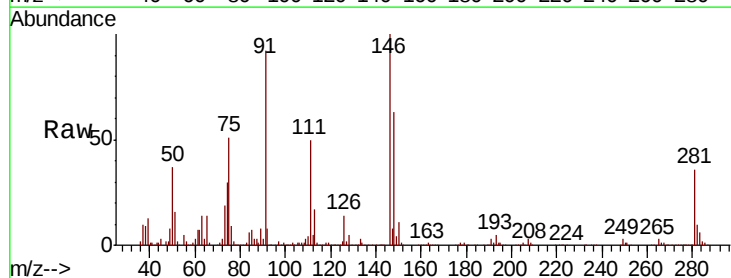
Tgt Ion: 91 Resp: 1253587

Ion Ratio Lower Upper

91 100

126 15.9 12.9 19.3

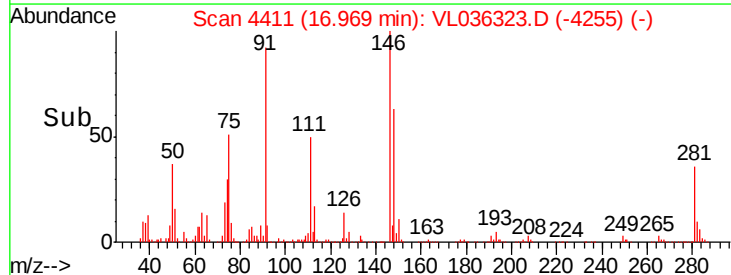
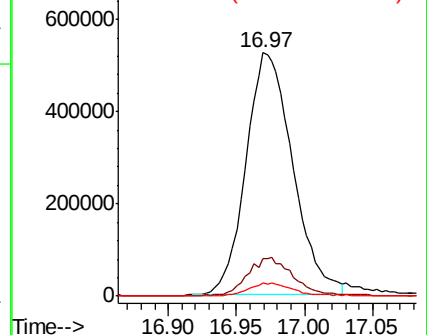
128 5.3 4.2 6.2

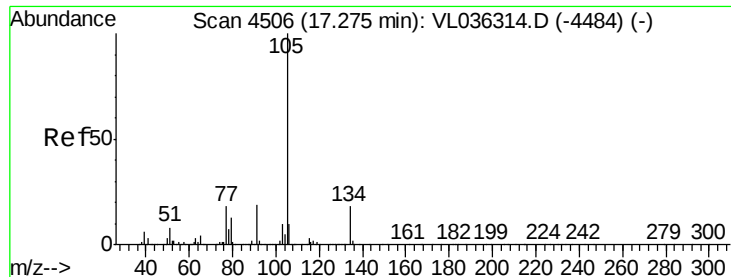


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.747 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

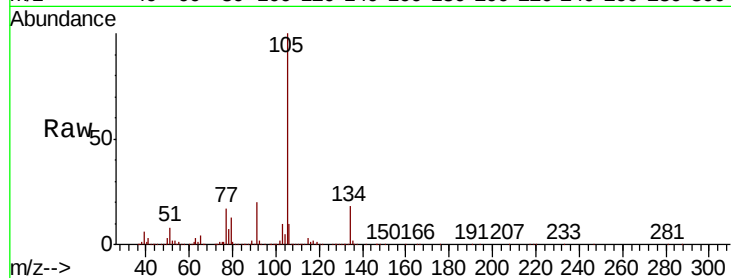
ClientSampleId :

Tot Ion:105 Resp: 5594319

Ion Ratio Lower Upper

105 100

134 17.8 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

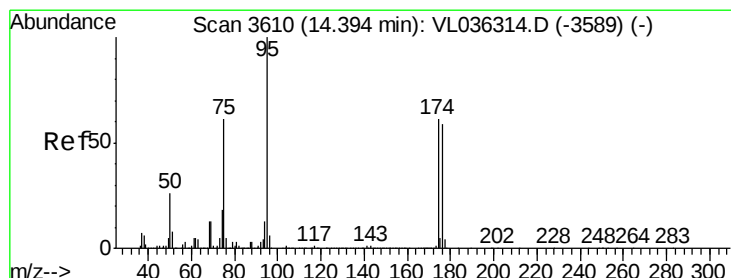
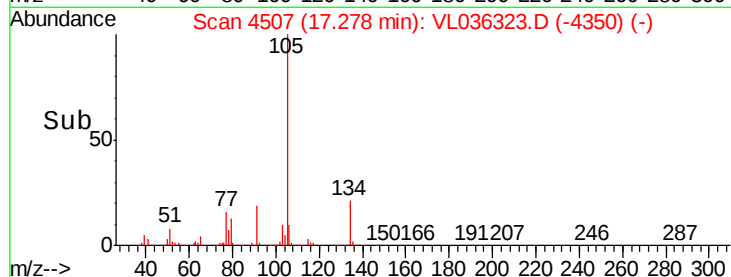
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.325 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

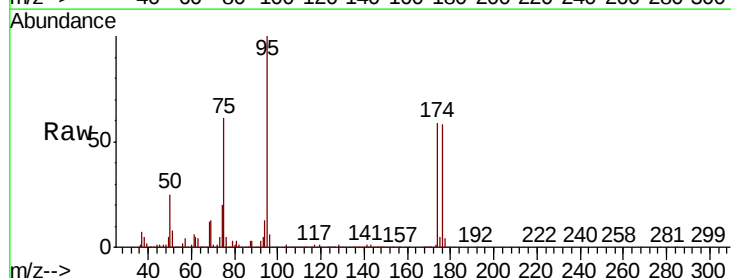
Tgt Ion: 95 Resp: 2670148

Ion Ratio Lower Upper

95 100

174 62.0 49.8 74.6

175 4.8 3.7 5.5



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

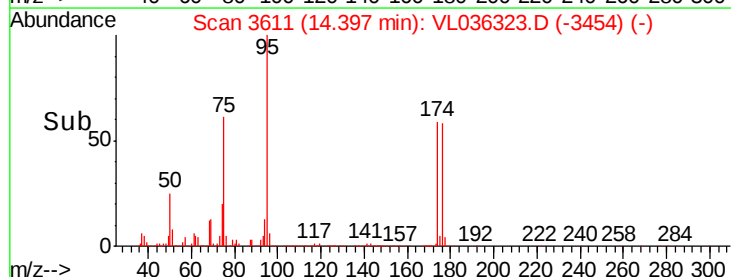
1000000

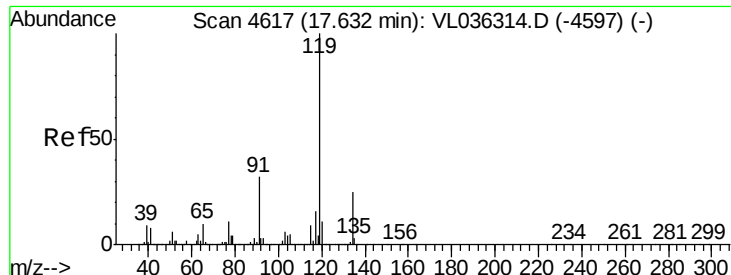
500000

0

14.30 14.40 14.50

Time-->





#69

p-Isopropyltoluene

Concen: 7.138 ppbv

RT: 17.64 min Scan# 4619

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

ClientSampleId :

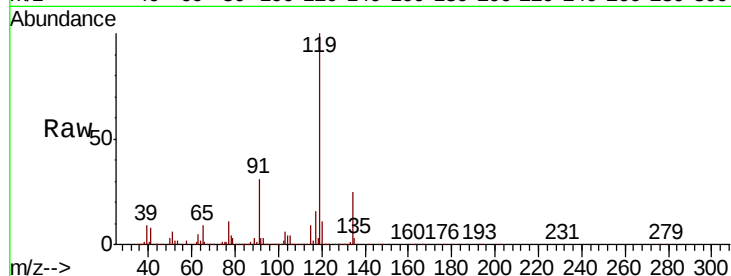
Tot Ion:119 Resp: 4574061

Ion Ratio Lower Upper

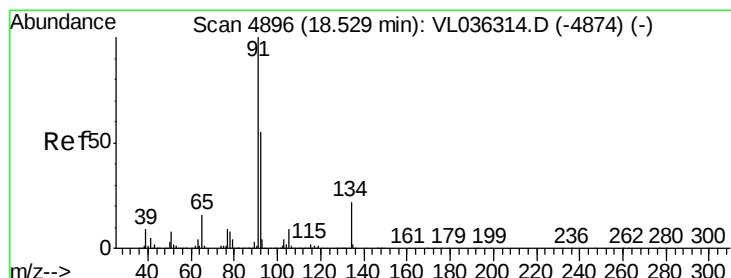
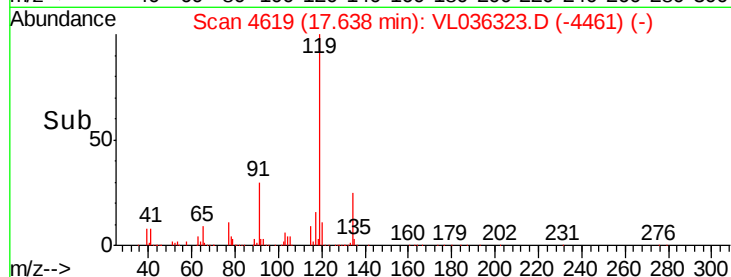
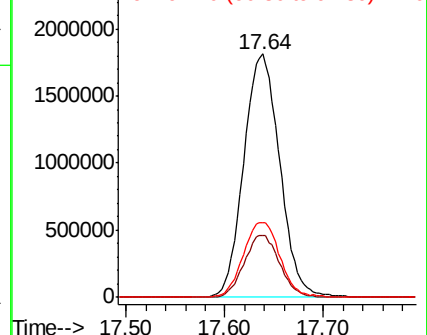
119 100

134 25.2 20.1 30.1

91 31.7 25.8 38.6



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: 7.064 ppbv

RT: 18.54 min Scan# 4898

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

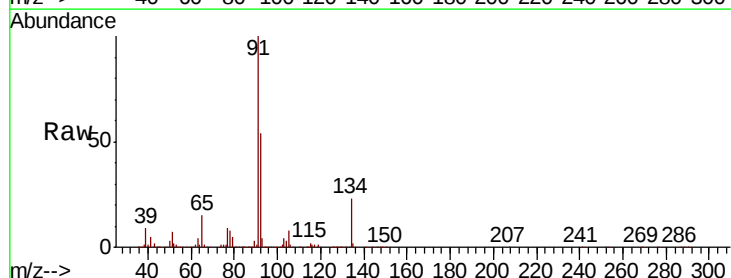
Tgt Ion: 91 Resp: 4854208

Ion Ratio Lower Upper

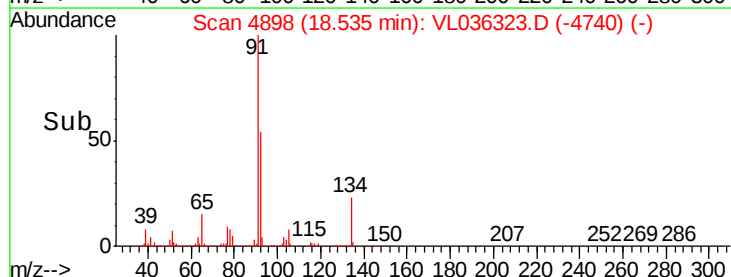
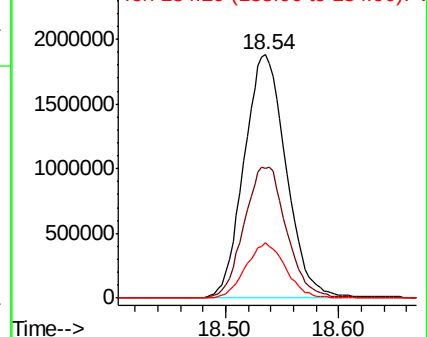
91 100

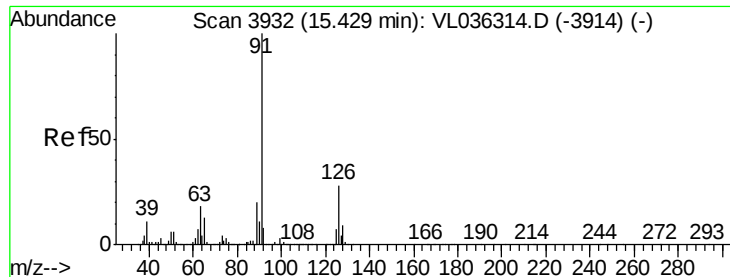
92 54.8 43.7 65.5

134 21.8 17.4 26.0



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

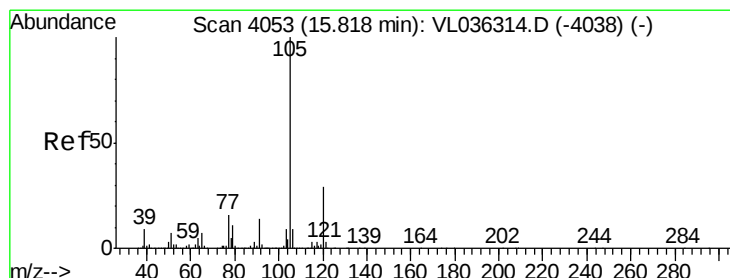
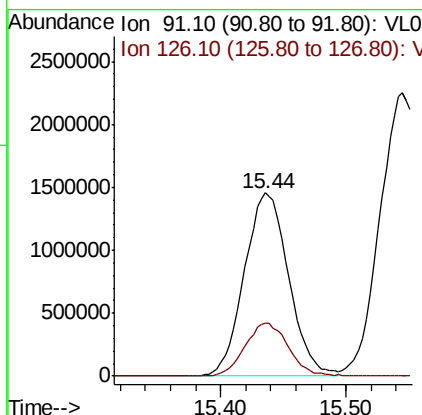
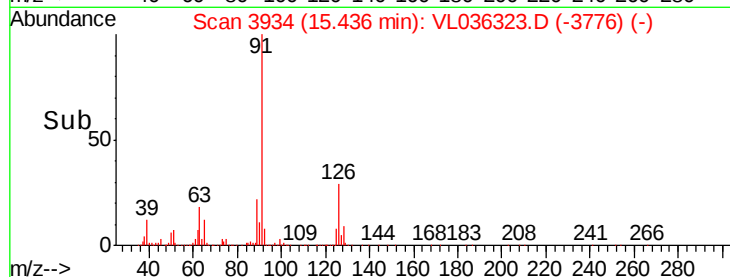
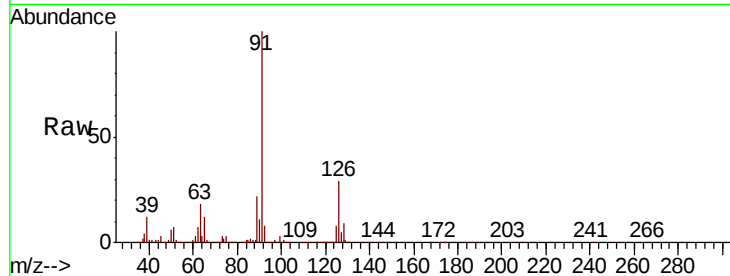




#71
2-Chlorotoluene
Concen: 6.953 ppbv
RT: 15.44 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

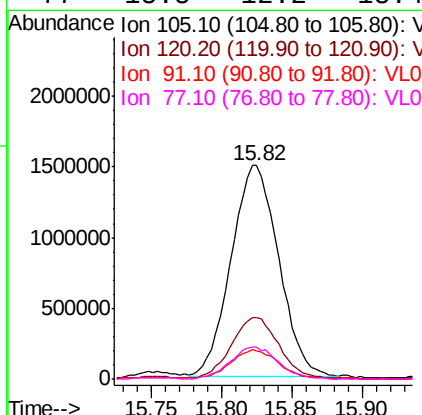
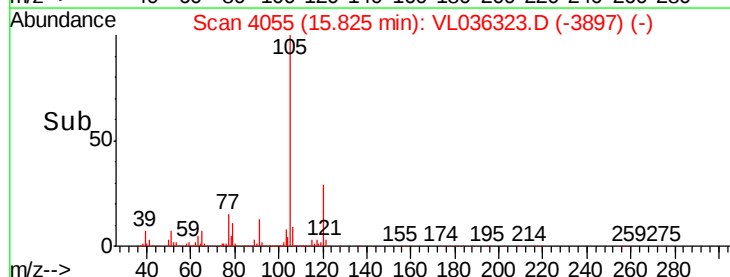
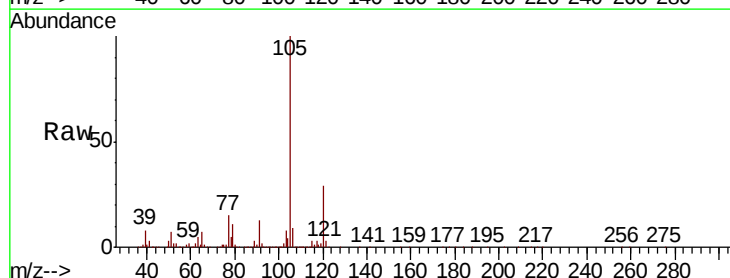
Instrument :
MSVOA_L
ClientSampled :

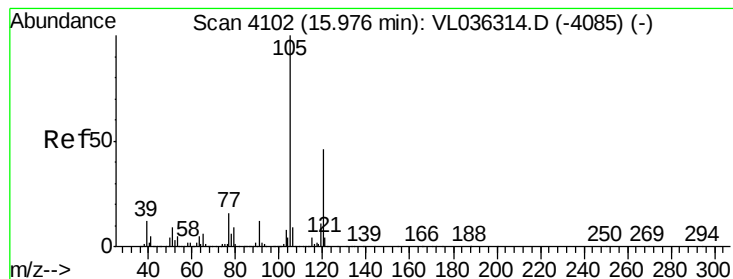
Tot Ion: 91 Resp: 3581634
Ion Ratio Lower Upper
91 100
126 28.9 11.5 46.1



#72
4-Ethyltoluene
Concen: 7.003 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion:105 Resp: 3493554
Ion Ratio Lower Upper
105 100
120 29.6 23.2 34.8
91 14.1 11.0 16.4
77 15.5 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 6.899 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Instrument :

MSVOA_L

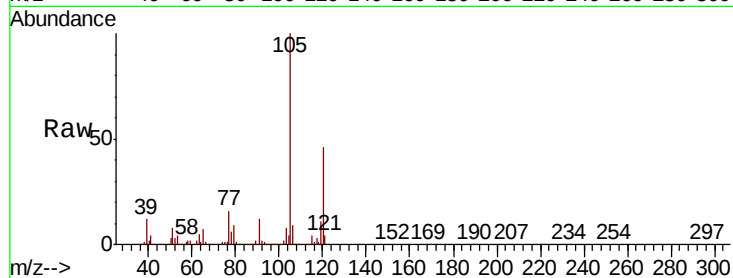
ClientSampleId :

Tot Ion:105 Resp: 3336531

Ion Ratio Lower Upper

105 100

120 45.8 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

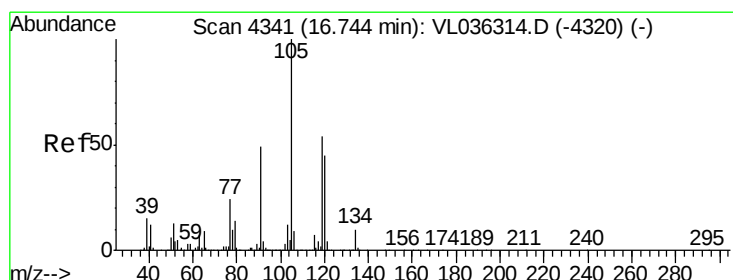
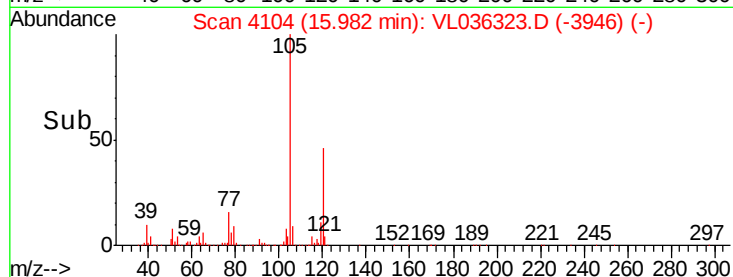
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.897 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL036323.D

Acq: 10 Feb 2021 18:37

Tgt Ion:105 Resp: 3405072

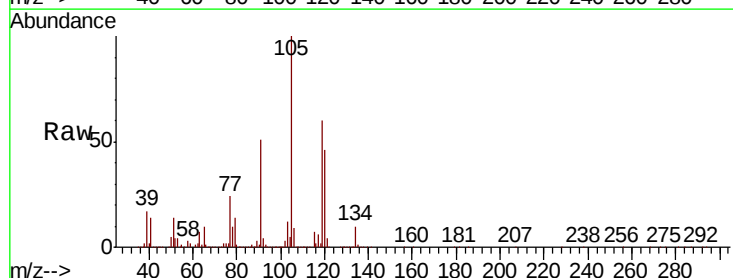
Ion Ratio Lower Upper

105 100

120 45.8 35.8 53.6

91 51.0 39.8 59.6

77 24.1 19.1 28.7



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

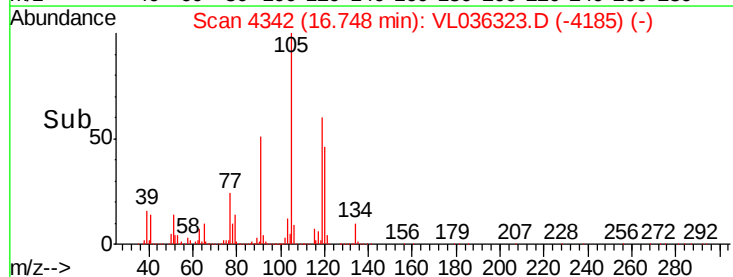
1500000

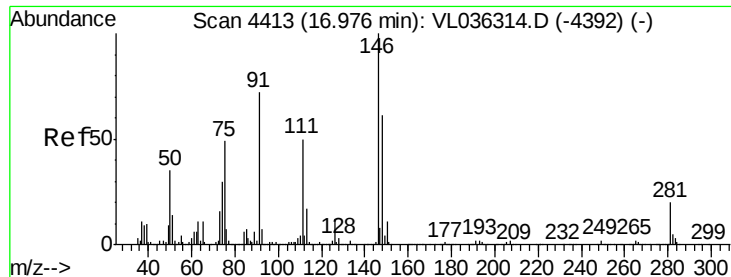
1000000

500000

0

Time-->

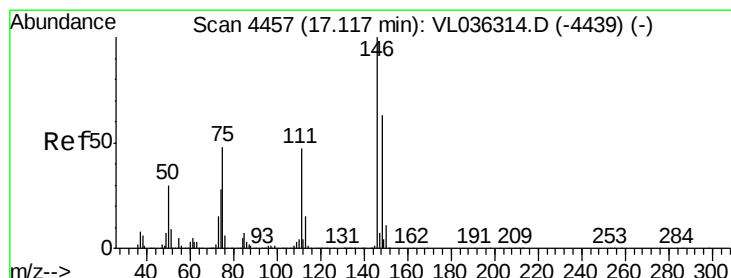
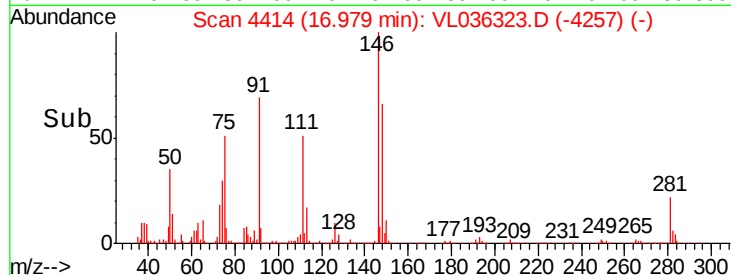
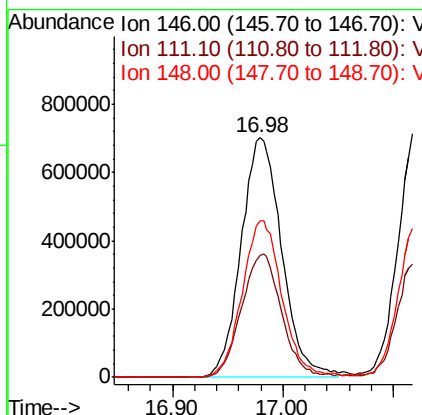
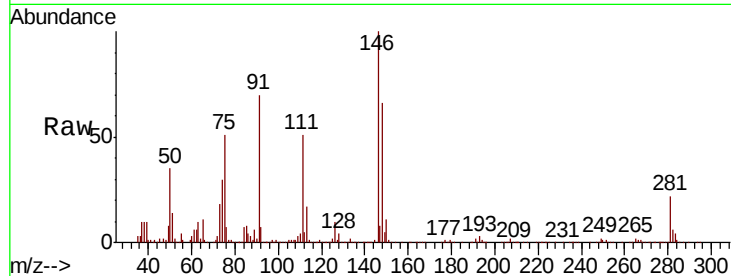




#75
 1,3-Dichlorobenzene
 Concen: 6.680 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.00 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

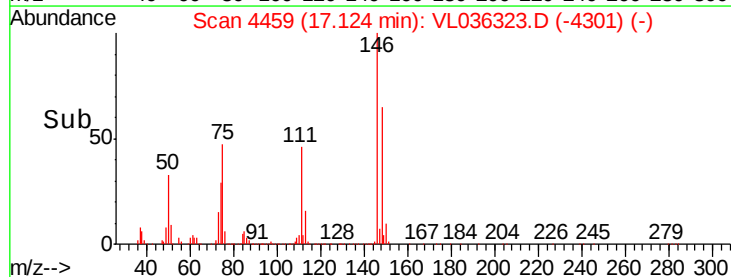
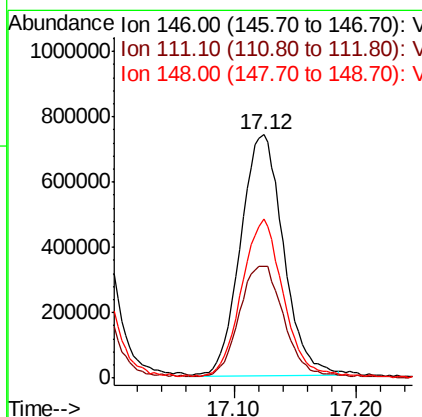
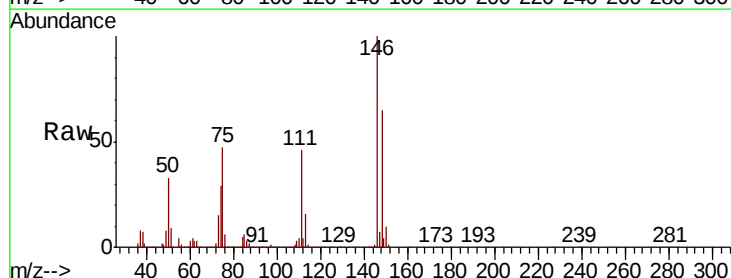
Instrument :
 MSVOA_L
 ClientSampleId :

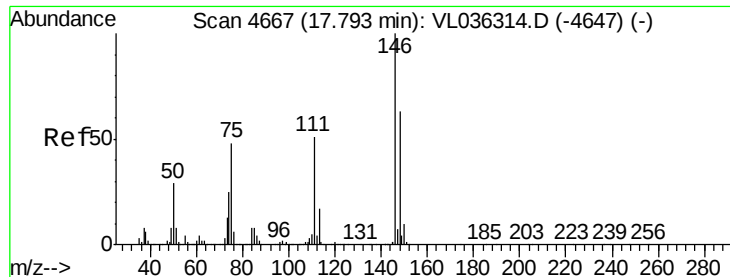
Tot Ion:146 Resp: 1790039
 Ion Ratio Lower Upper
 146 100
 111 51.1 24.9 74.6
 148 64.3 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 6.444 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion:146 Resp: 1793296
 Ion Ratio Lower Upper
 146 100
 111 49.1 23.6 71.0
 148 64.8 31.6 95.0

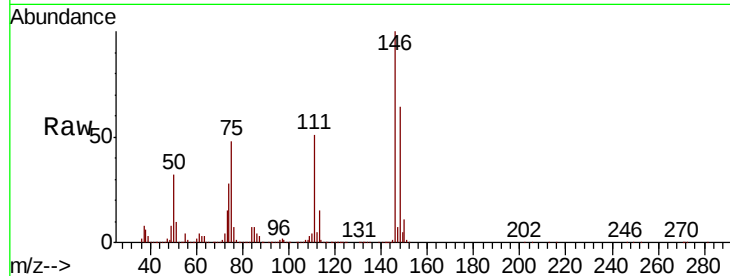




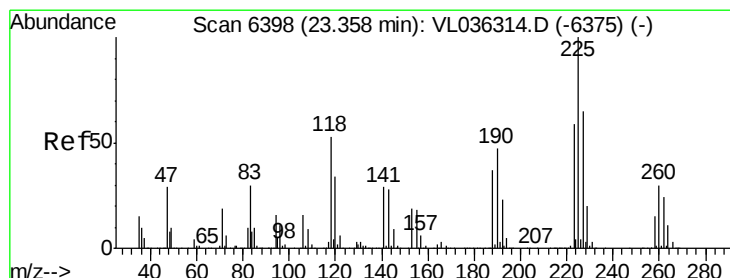
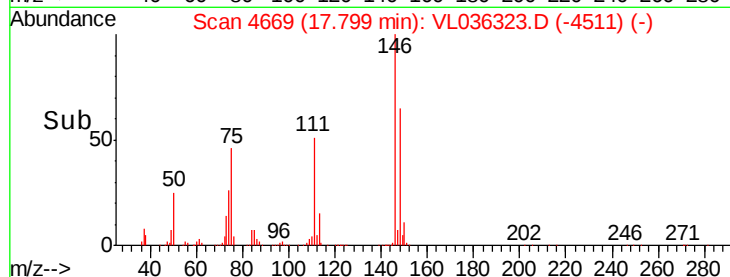
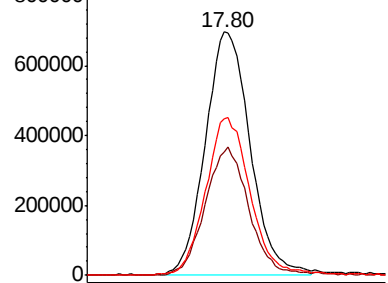
#77
 1,2-Dichlorobenzene
 Concen: 6.613 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 1758058
 Ion Ratio Lower Upper
 146 100
 111 51.9 25.9 77.8
 148 65.1 32.5 97.4

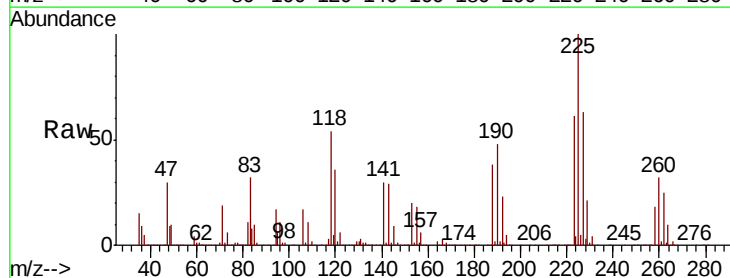


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

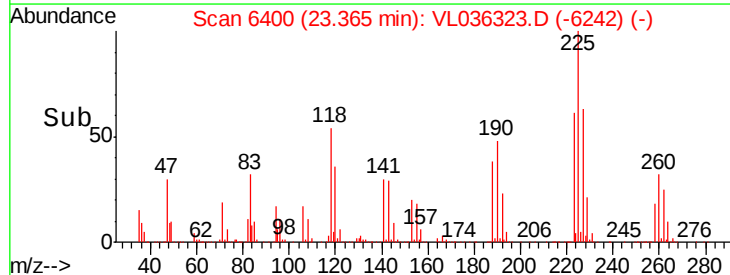
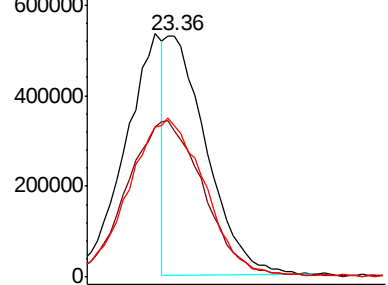


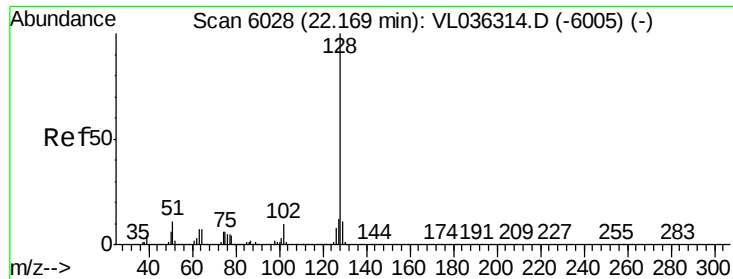
#78
 Hexachloro-1,3-Butadiene
 Concen: 3.380 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Tgt Ion:225 Resp: 734184
 Ion Ratio Lower Upper
 225 100
 223 126.6 50.8 76.2#
 227 128.2 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

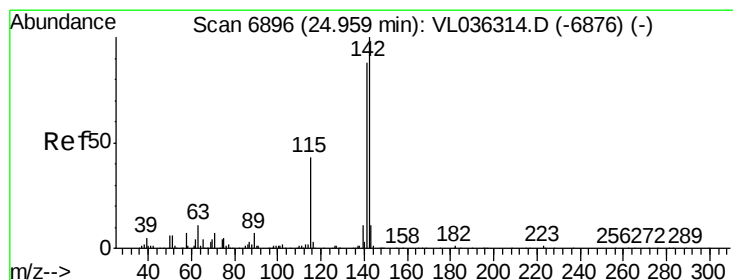
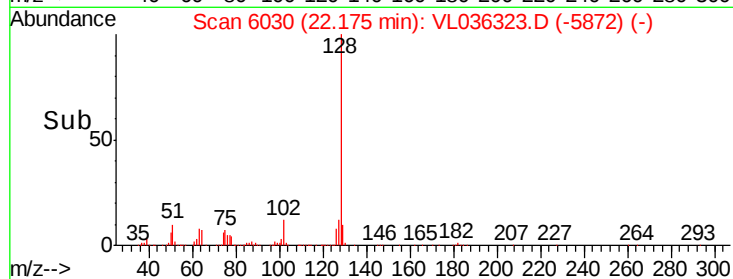
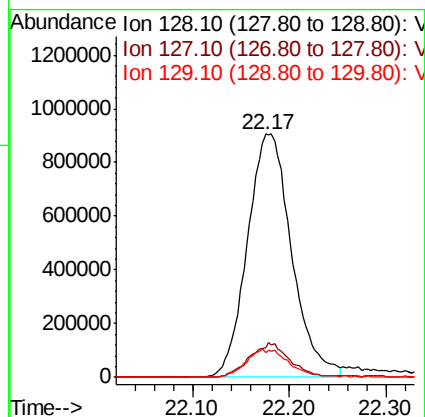
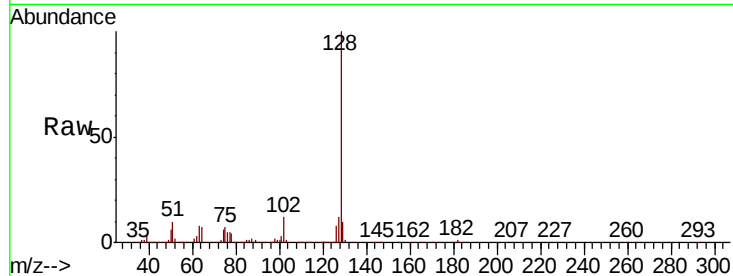




#79
Naphthalene
Concen: 9.846 ppbv
RT: 22.17 min Scan# 6030
Delta R.T. 0.01 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

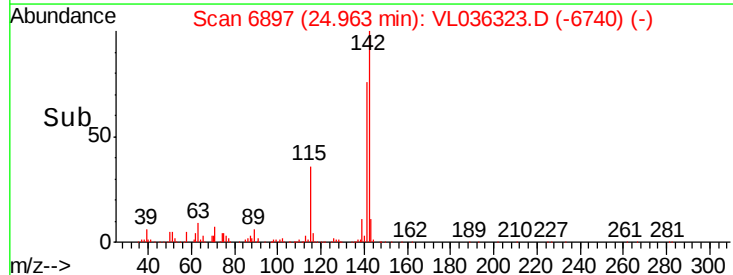
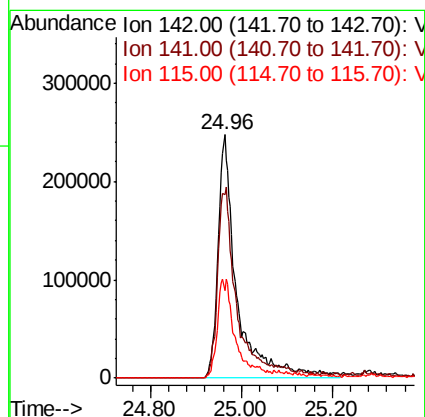
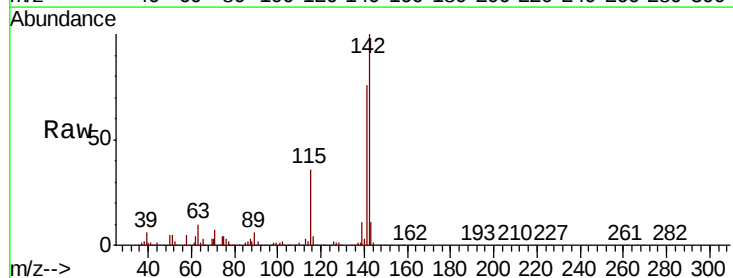
Instrument :
MSVOA_L
ClientSampled :

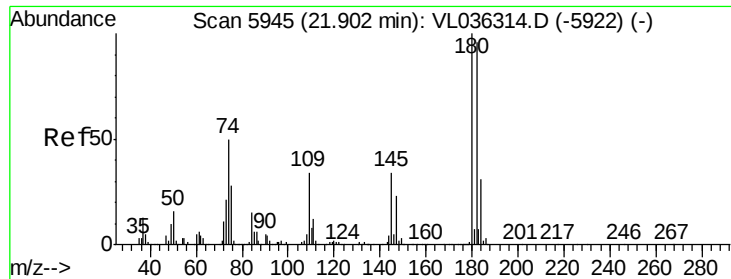
Tot Ion:128 Resp: 2881457
Ion Ratio Lower Upper
128 100
127 12.3 9.6 14.4
129 10.1 8.5 12.7



#80
Naphthalene, 2-methyl-
Concen: 13.295 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL036323.D
Acq: 10 Feb 2021 18:37

Tgt Ion:142 Resp: 720480
Ion Ratio Lower Upper
142 100
141 81.1 64.4 96.6
115 38.7 34.6 51.8

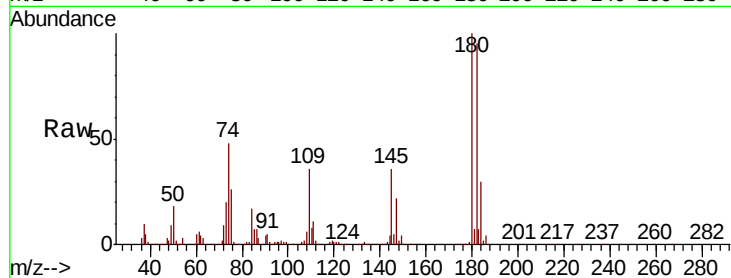




#81
 1,2,4-Trichlorobenzene
 Concen: 8.294 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL036323.D
 Acq: 10 Feb 2021 18:37

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1481032
 Ion Ratio Lower Upper
 180 100
 182 99.8 80.2 120.4
 184 32.1 25.0 37.6



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

