

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\
 Data File : VL036285.D
 Acq On : 28 Jan 2021 23:52
 Operator : SY/AP
 Sample : M1245-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 29 02:28:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1399962	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3154338	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2960952	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2583866	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	34312	0.183	ppbv 97
3) Chlorodifluoromethane	2.98	51	155055	0.902	ppbv 95
4) Chloromethane	3.13	50	48686	0.573	ppbv 95
9) Propene	3.01	41	62123	0.759	ppbv # 52
10) Heptane	8.11	43	890636	4.382	ppbv 99
11) Trichlorofluoromethane	3.93	101	56032	0.294	ppbv 88
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5342	0.046	ppbv # 9
13) Ethanol	3.61	45	2544871	197.947	ppbv 86
15) Acetone	3.83	43	4130212	24.089	ppbv 92
16) 1,3-Butadiene	3.32	39	4456	0.053	ppbv # 1
17) tert-Butyl alcohol	4.30	59	122061	0.863	ppbv # 68
19) Isopropyl Alcohol	3.98	45	4811624	46.550	ppbv # 98
20) Methylene Chloride	4.33	84	460480	8.415	ppbv 99
21) Allyl Chloride	4.36	41	83040	0.890	ppbv # 47
23) Vinyl Acetate	5.05	43	216110	1.040	ppbv # 1
25) Ethyl Acetate	5.68	43	1346068	3.910	ppbv # 78
26) Hexane	5.68	57	1784576	12.452	ppbv # 38
27) Carbon Disulfide	4.54	76	44491	0.388	ppbv # 78
29) Chloroform	5.74	83	19735	0.096	ppbv 96
30) Cyclohexane	7.12	84	219867	2.008	ppbv # 84
34) 2-Butanone	5.24	43	209375	0.901	ppbv 99
35) Carbon Tetrachloride	7.00	117	6487	0.033	ppbv # 95
36) Benzene	6.88	78	916098	3.170	ppbv 95
38) Trichloroethene	7.82	130	16728	0.156	ppbv # 63
39) 1,2-Dichloropropane	7.17	63	927137	7.901	ppbv # 21
41) Tetrahydrofuran	6.10	42	10279	0.077	ppbv # 91
42) Bromodichloromethane	7.78	83	15698	0.072	ppbv # 24
44) 2,2,4-Trimethylpentane	7.86	57	1090768	2.055	ppbv # 86
51) 2-Hexanone	10.10	43	123505	0.452	ppbv # 44
52) Tetrachloroethene	11.21	164	8029	0.075	ppbv # 91
53) Toluene	9.80	91	8277130	25.601	ppbv 96
58) Ethyl Benzene	12.70	91	2173376	4.946	ppbv 97
59) m/p-Xylene	12.96	91	6340649	16.794	ppbv 95
60) o-Xylene	13.68	91	2201626	6.049	ppbv 99
62) Isopropylbenzene	14.66	105	99008	0.183	ppbv 96
64) n-propylbenzene	15.55	120	59861	0.450	ppbv # 1
65) tert-Butylbenzene	16.75	119	99728	0.218	ppbv # 1
70) n-Butylbenzene	18.54	91	44107	0.077	ppbv # 33
72) 4-Ethyltoluene	15.83	105	660118	1.607	ppbv 97
73) 1,3,5-Trimethylbenzene	15.99	105	430174	1.099	ppbv 93
74) 1,2,4-Trimethylbenzene	16.75	105	1737184	4.326	ppbv # 70

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration

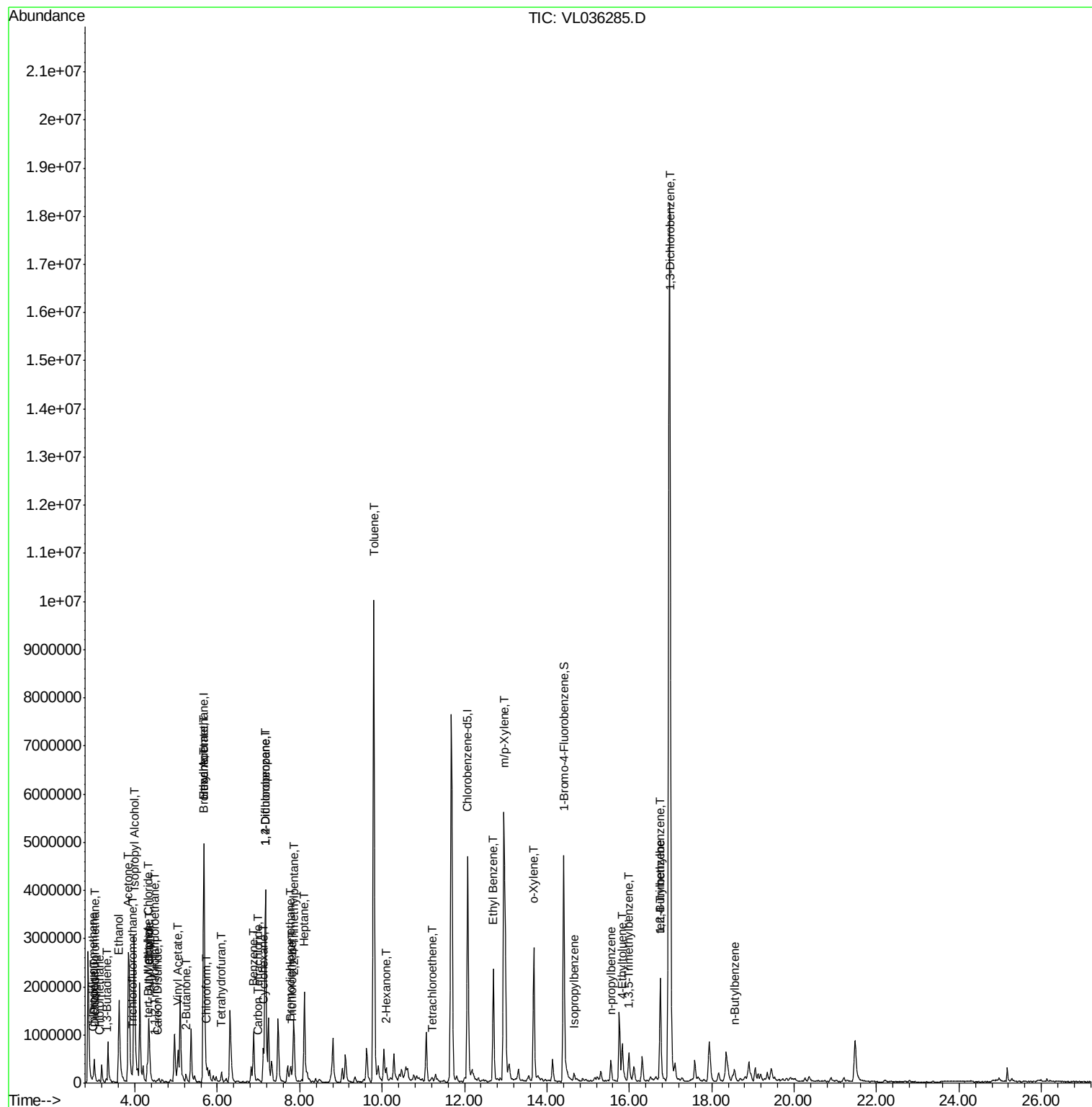
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-Dichlorobenzene	16.99	146	18004	0.084	ppbv	# 22

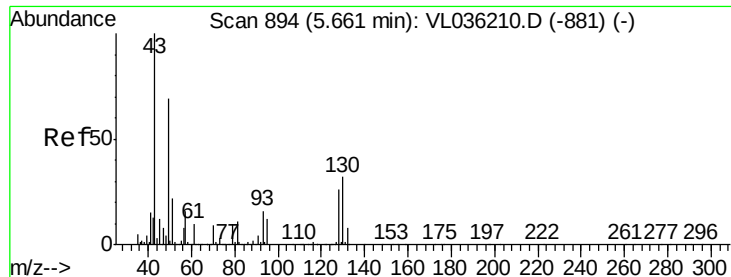
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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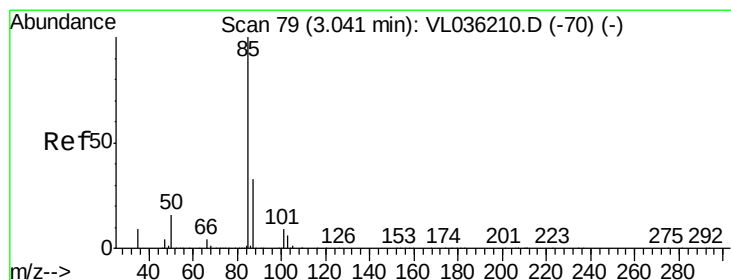
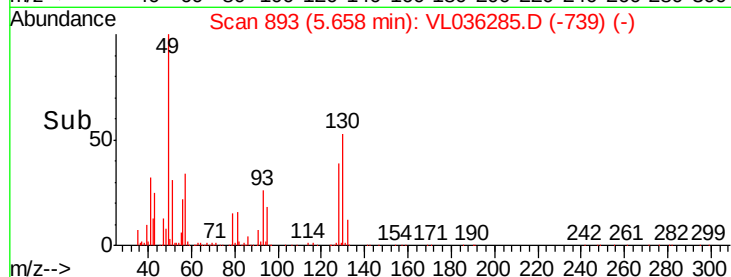
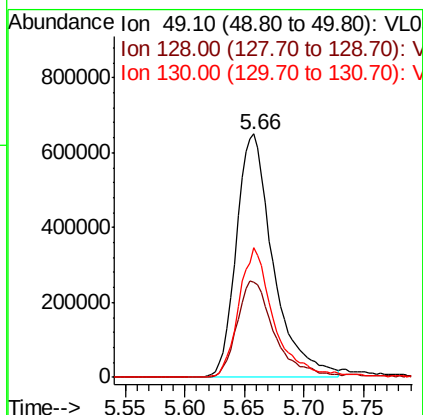
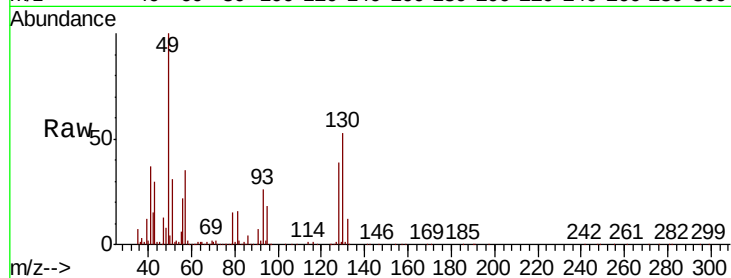




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

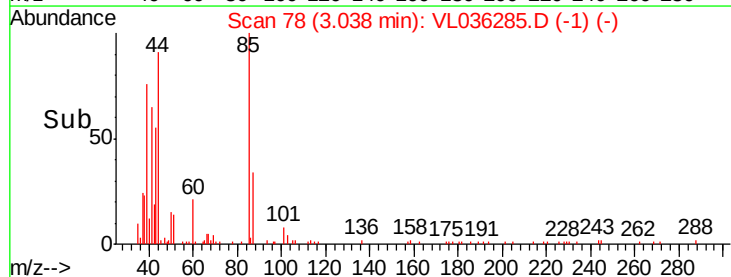
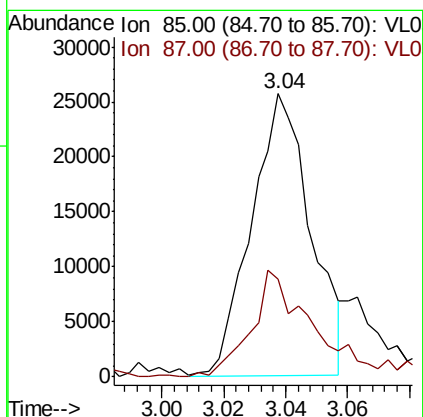
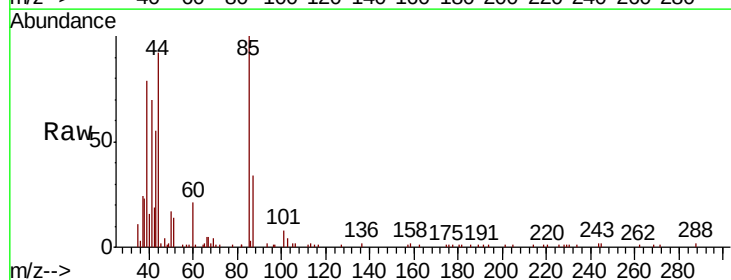
Instrument :
 MSVOA_L
 ClientSampled :

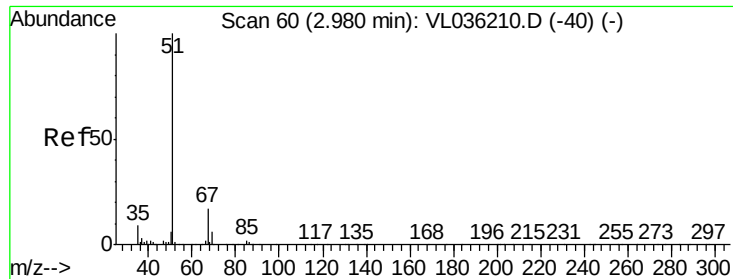
Tot Ion: 49 Resp: 1399962
 Ion Ratio Lower Upper
 49 100
 128 41.4 20.1 60.2
 130 52.0 25.3 75.9



#2
 Dichlorodifluoromethane
 Concen: 0.183 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. -0.00 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

Tgt Ion: 85 Resp: 34312
 Ion Ratio Lower Upper
 85 100
 87 34.7 26.4 39.6





#3

Chlorodifluoromethane

Concen: 0.902 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

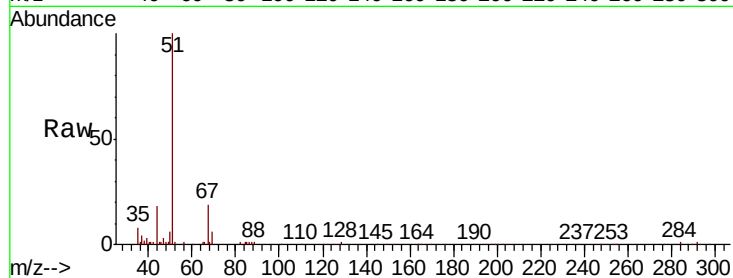
ClientSampleId :

Tot Ion: 51 Resp: 155055

Ion Ratio Lower Upper

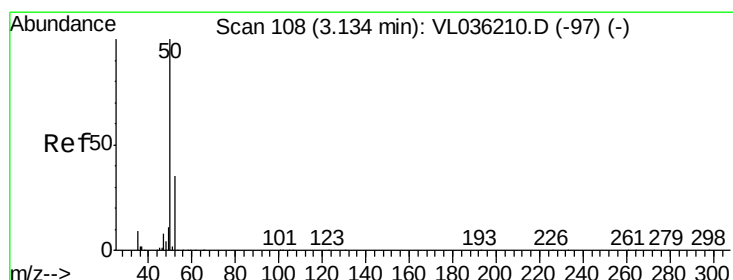
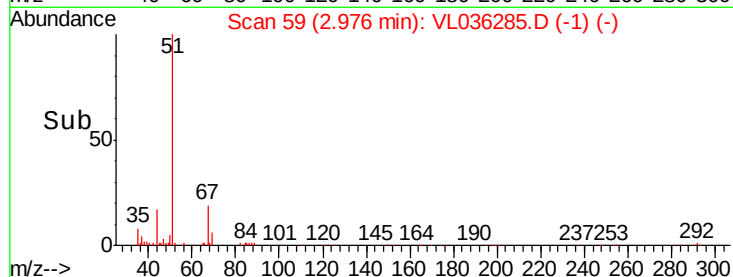
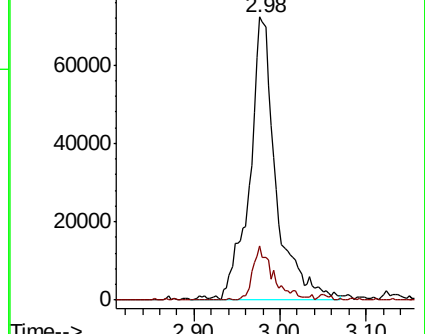
51 100

67 15.1 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.573 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL036285.D

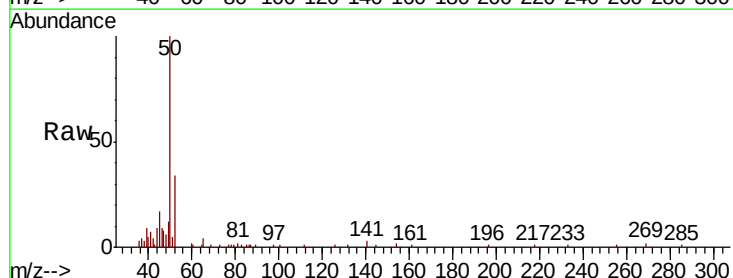
Acq: 28 Jan 2021 23:52

Tgt Ion: 50 Resp: 48686

Ion Ratio Lower Upper

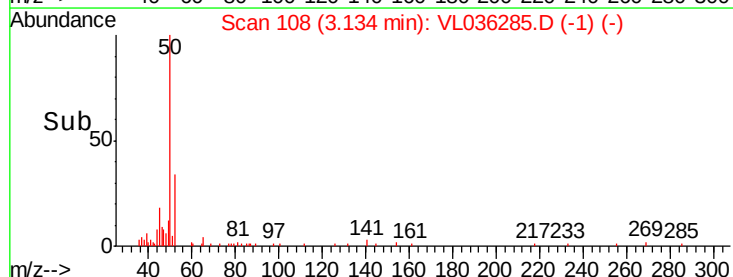
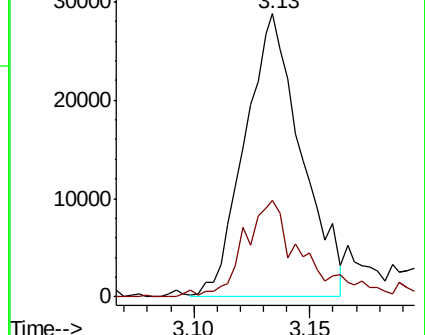
50 100

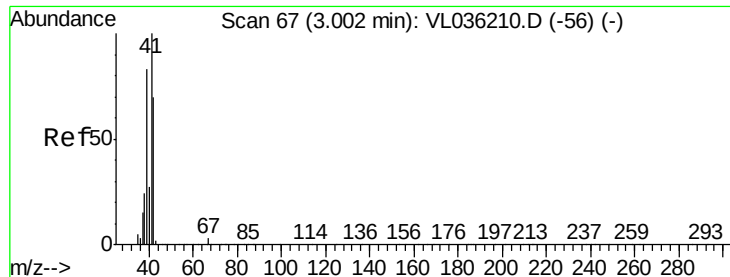
52 31.8 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

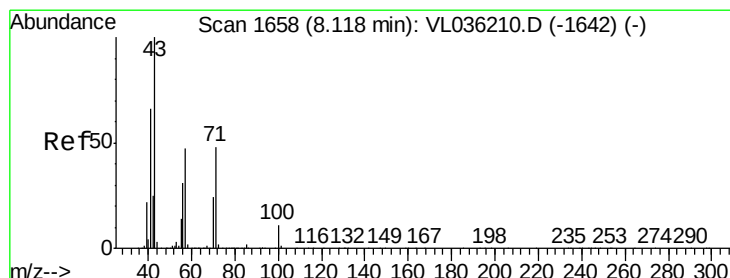
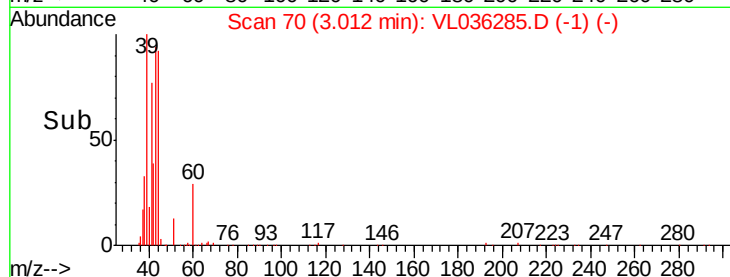
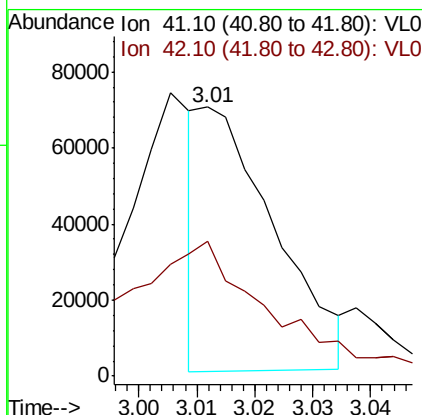
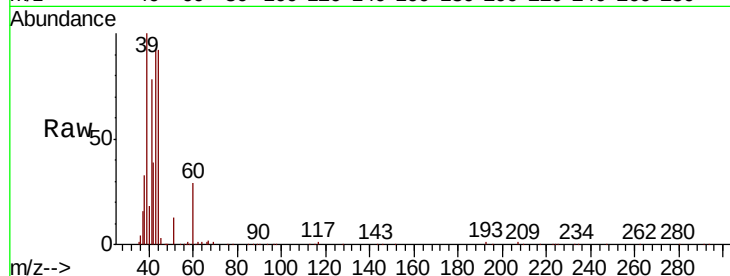




#9
 Propene
 Concen: 0.759 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

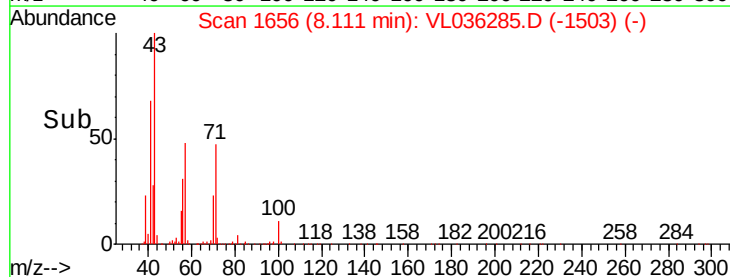
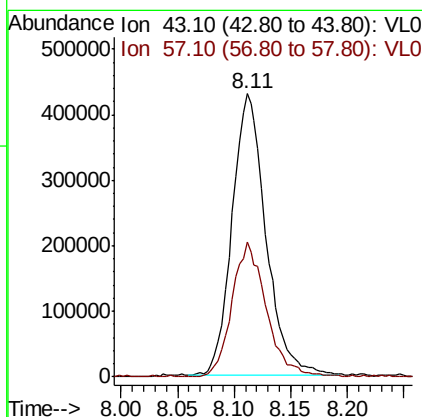
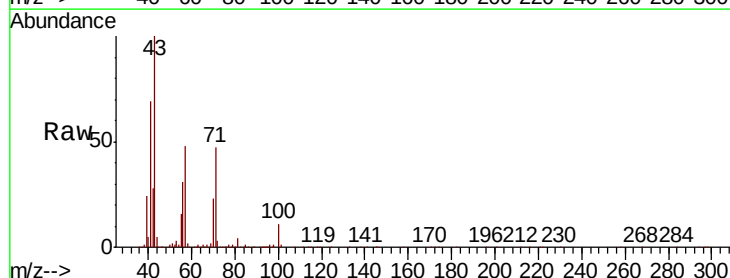
Instrument :
 MSVOA_L
 ClientSampled :

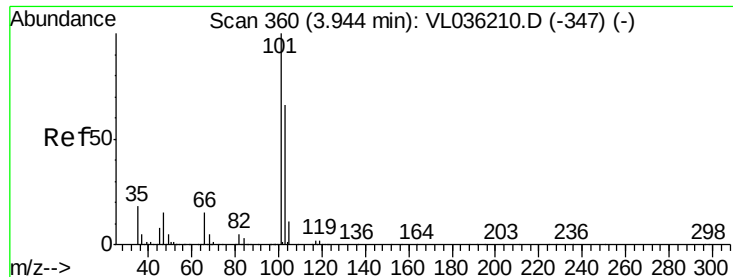
Tot Ion: 41 Resp: 62123
 Ion Ratio Lower Upper
 41 100
 42 111.0 57.1 85.7#



#10
 Heptane
 Concen: 4.382 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

Tgt Ion: 43 Resp: 890636
 Ion Ratio Lower Upper
 43 100
 57 48.4 38.1 57.1





#11

Trichlorofluoromethane

Concen: 0.294 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

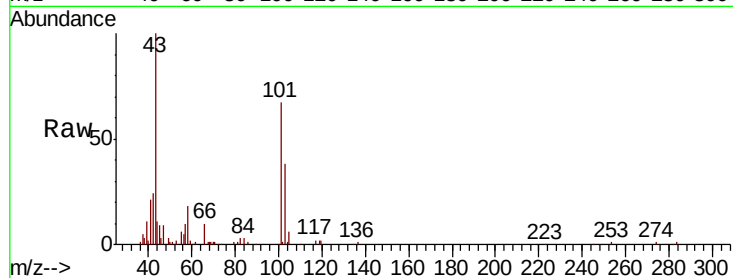
ClientSampleId :

Tot Ion:101 Resp: 56032

Ion Ratio Lower Upper

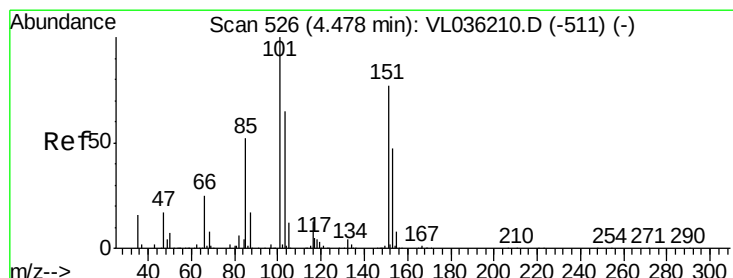
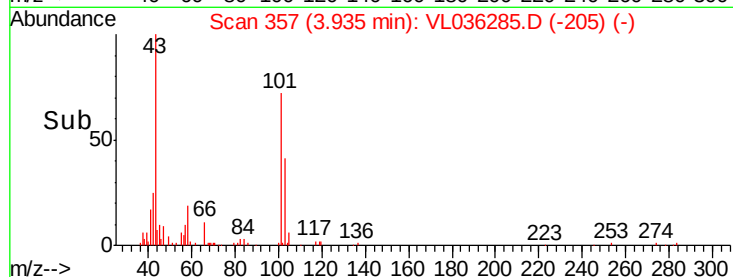
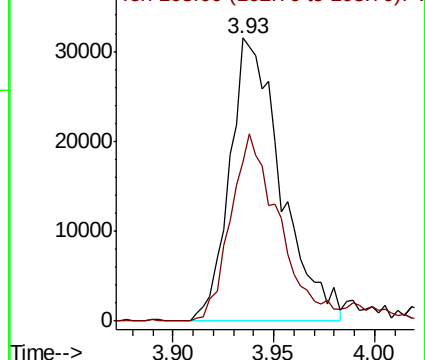
101 100

103 56.2 52.6 78.8



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: 0.046 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.01 min

Lab File: VL036285.D

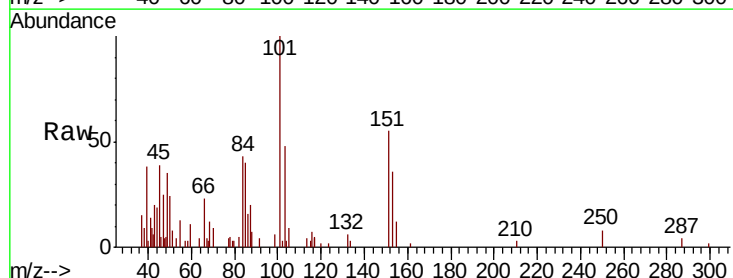
Acq: 28 Jan 2021 23:52

Tgt Ion:101 Resp: 5342

Ion Ratio Lower Upper

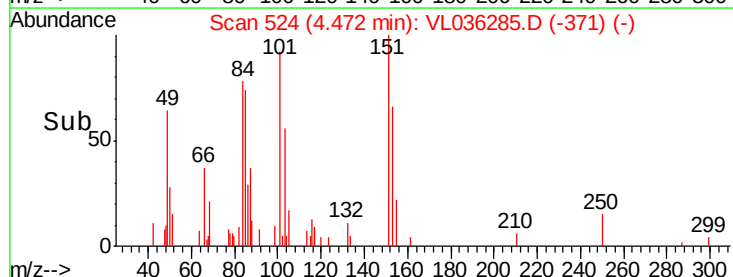
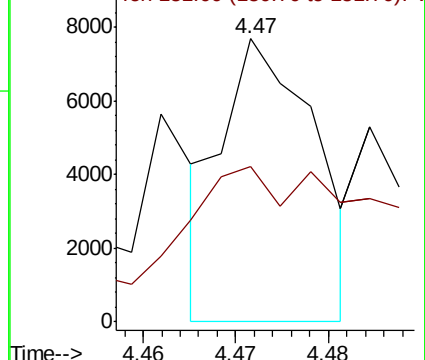
101 100

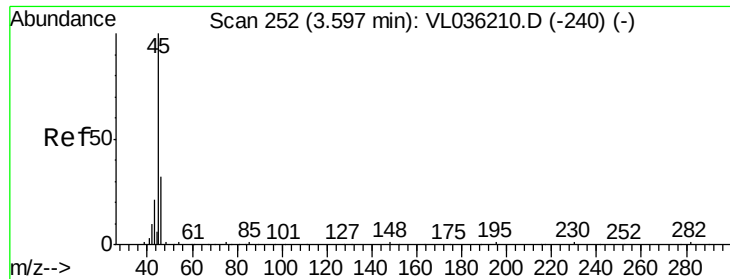
151 151.9 59.8 89.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 197.947 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

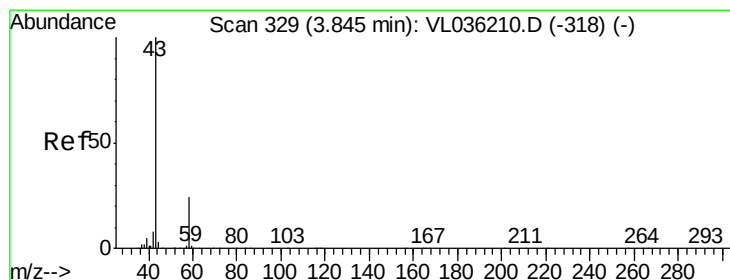
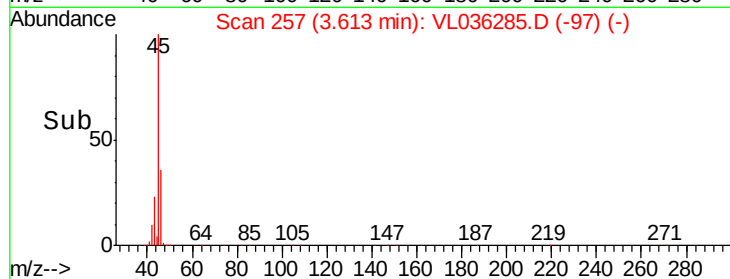
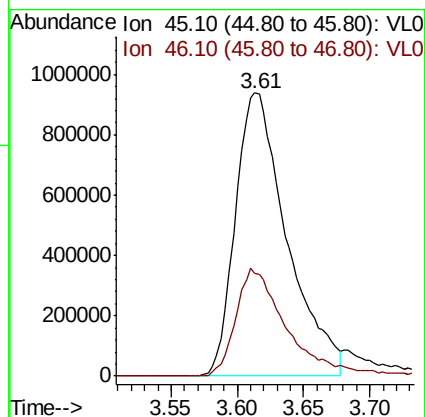
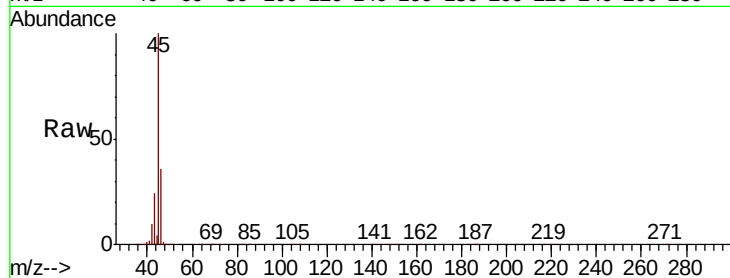
ClientSampleId :

Tot Ion: 45 Resp: 2544871

Ion Ratio Lower Upper

45 100

46 38.9 19.2 77.0



#15

Acetone

Concen: 24.089 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL036285.D

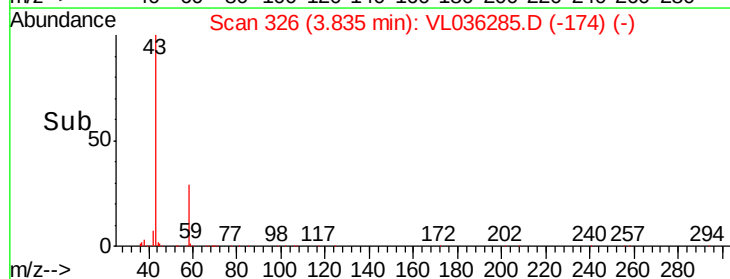
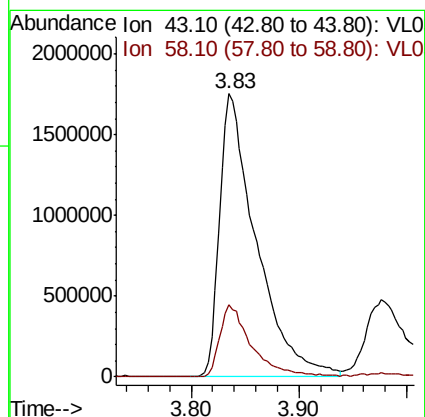
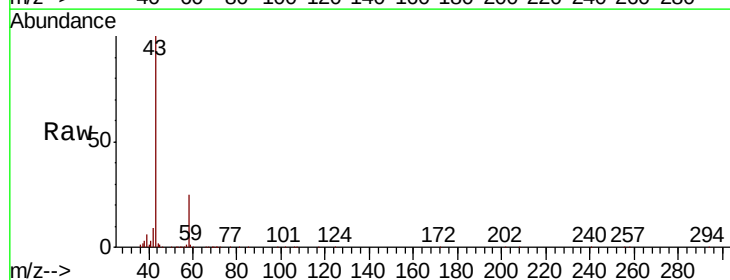
Acq: 28 Jan 2021 23:52

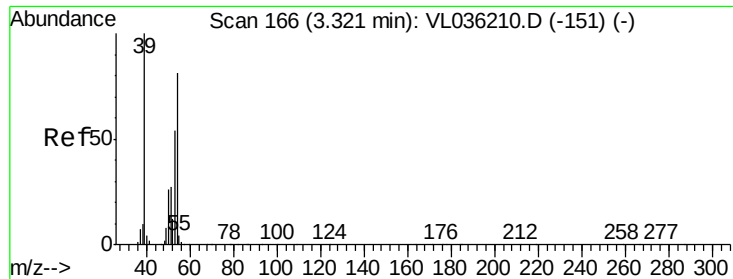
Tgt Ion: 43 Resp: 4130212

Ion Ratio Lower Upper

43 100

58 22.3 20.9 31.3

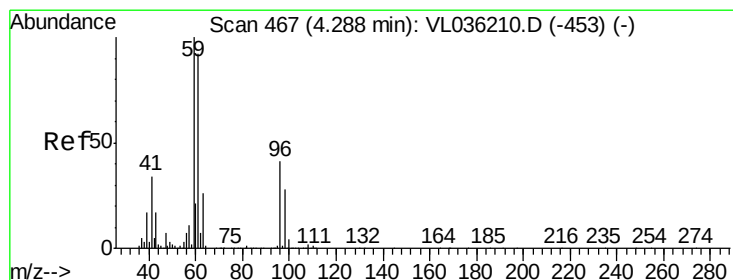
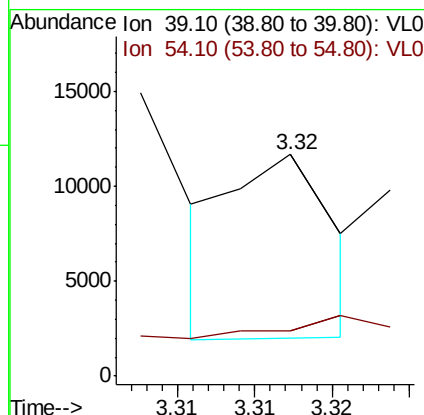
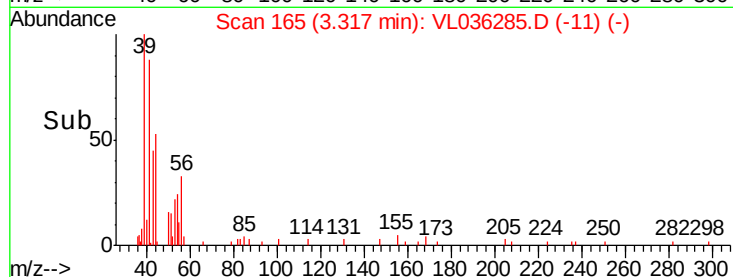
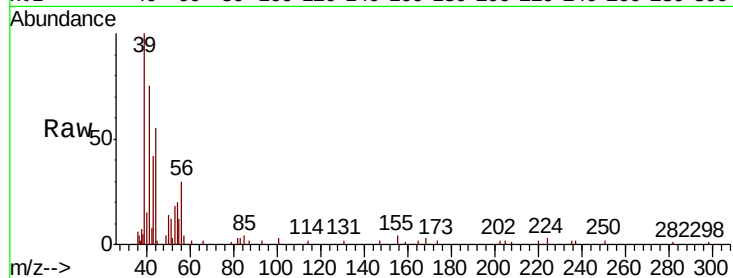




#16
1,3-Butadiene
Concen: 0.053 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

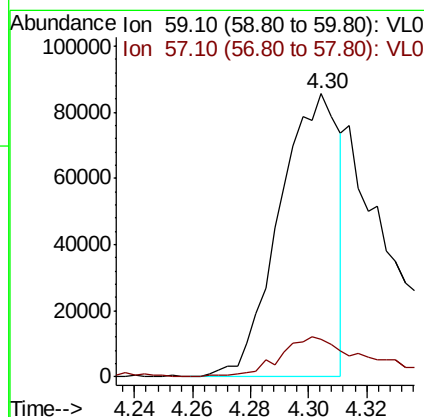
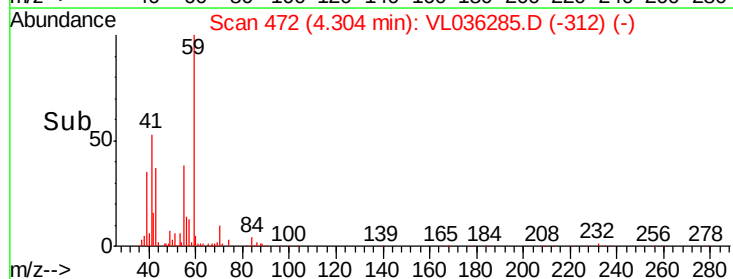
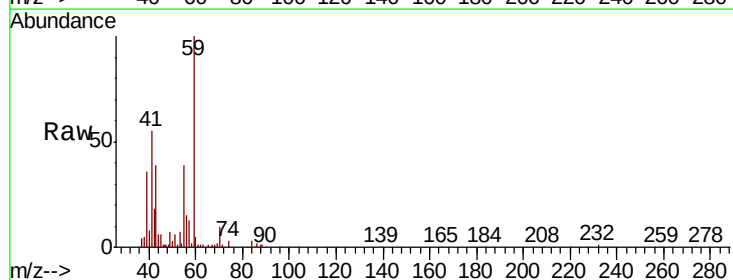
Instrument :
MSVOA_L
ClientSampleId :

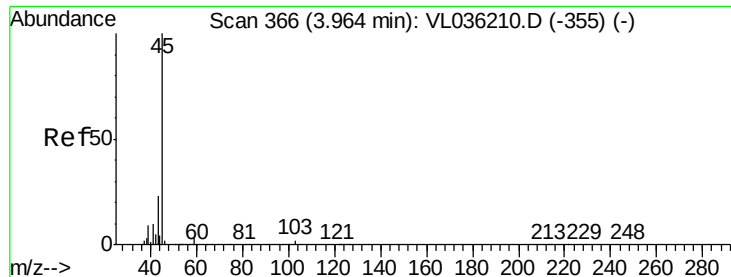
Tot Ion: 39 Resp: 4456
Ion Ratio Lower Upper
39 100
54 238.3 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.863 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

Tgt Ion: 59 Resp: 122061
Ion Ratio Lower Upper
59 100
57 23.7 9.2 13.8#



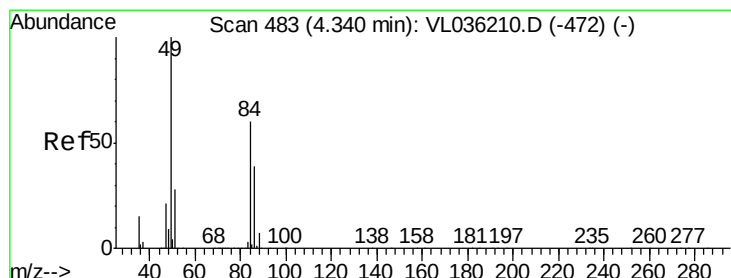
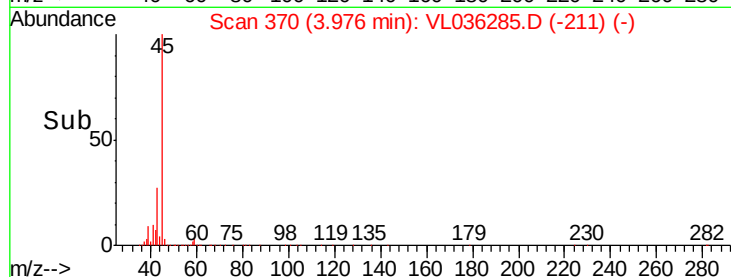
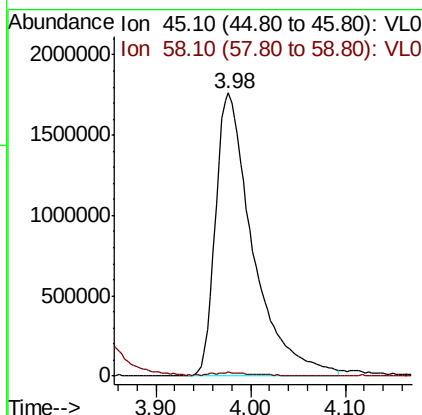
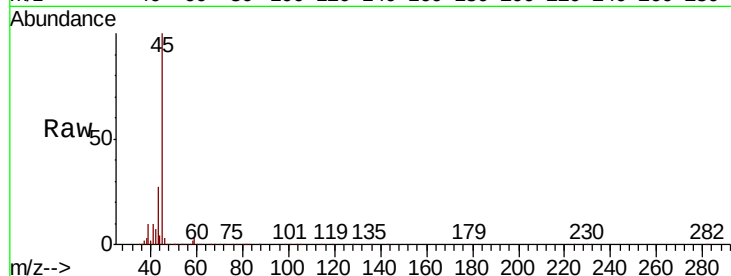


#19

Isopropyl Alcohol
 Concen: 46.550 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

Instrument :
 MSVOA_L
 ClientSampleId :

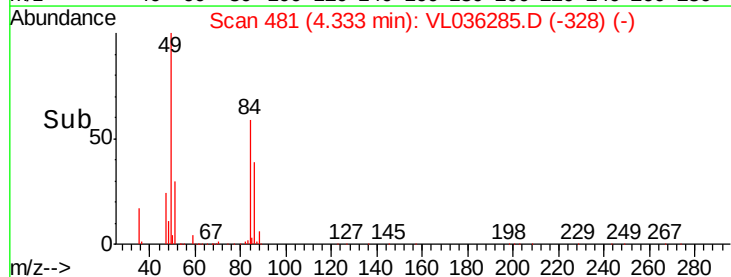
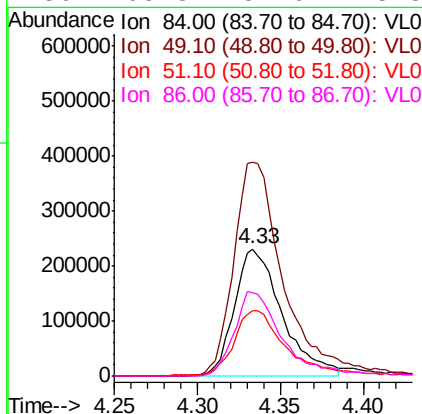
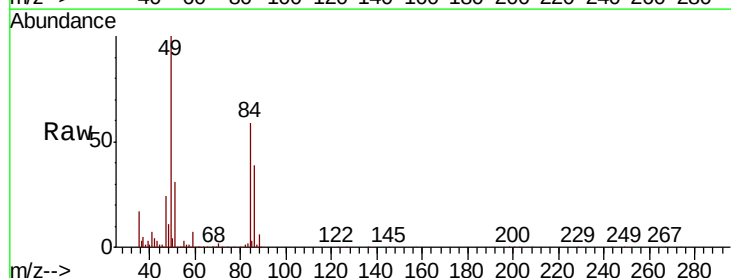
Tot Ion: 45 Resp: 4811624
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.9 2.9#

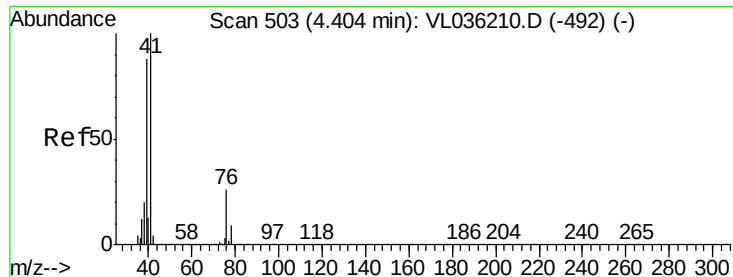


#20

Methylene Chloride
 Concen: 8.415 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

Tgt Ion: 84 Resp: 460480
 Ion Ratio Lower Upper
 84 100
 49 167.9 134.1 201.1
 51 50.3 37.4 56.0
 86 65.3 52.6 78.8





#21

Allvl Chloride

Concen: 0.890 ppbv

RT: 4.36 min Scan# 489

Delta R.T. -0.05 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

ClientSampleId :

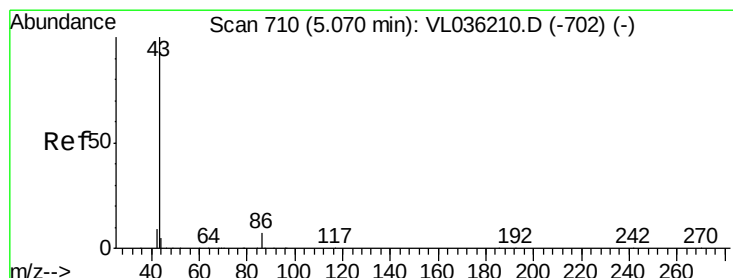
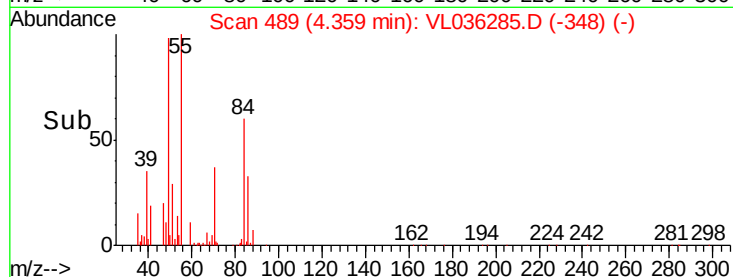
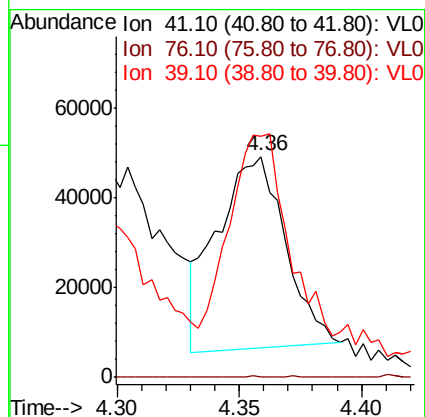
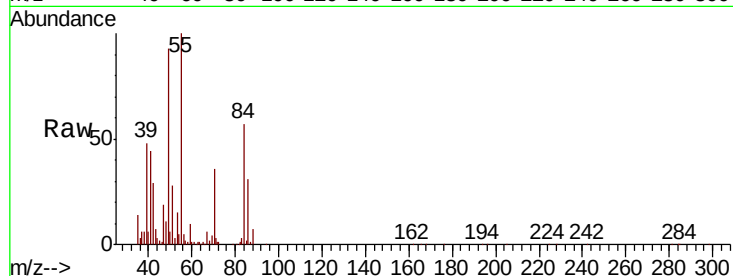
Tot Ion: 41 Resp: 83040

Ion Ratio Lower Upper

41 100

76 0.0 20.5 30.7#

39 133.8 67.8 101.8#



#23

Vinyl Acetate

Concen: 1.040 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.02 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Tgt Ion: 43 Resp: 216110

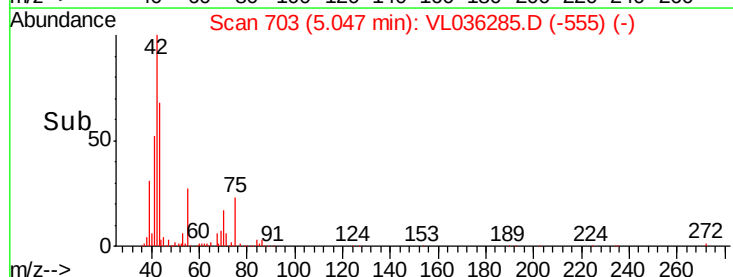
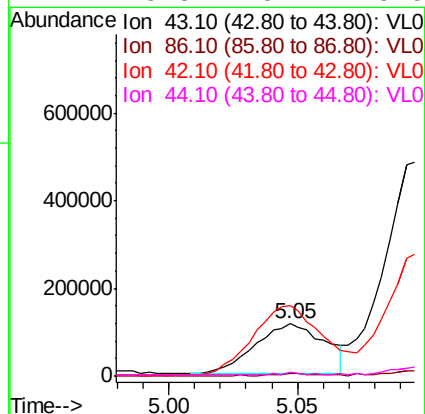
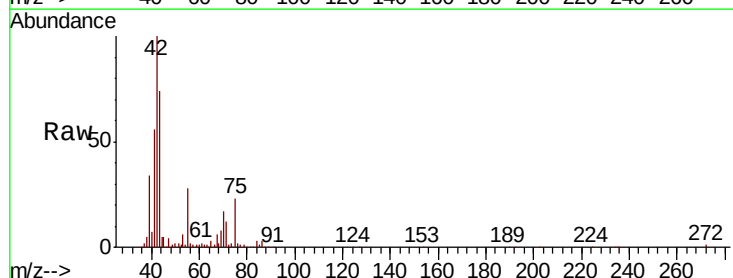
Ion Ratio Lower Upper

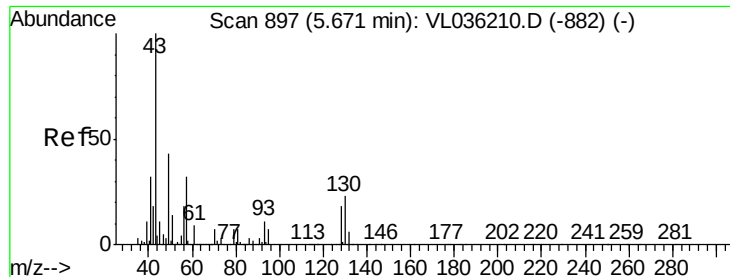
43 100

86 4.3 4.9 7.3#

42 137.2 7.8 11.6#

44 5.3 3.7 5.5



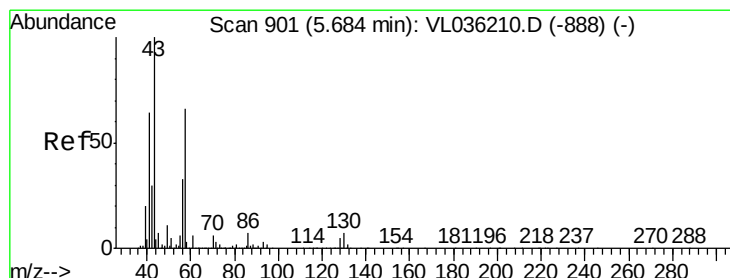
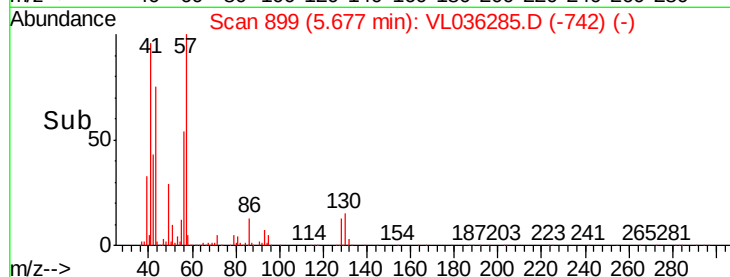
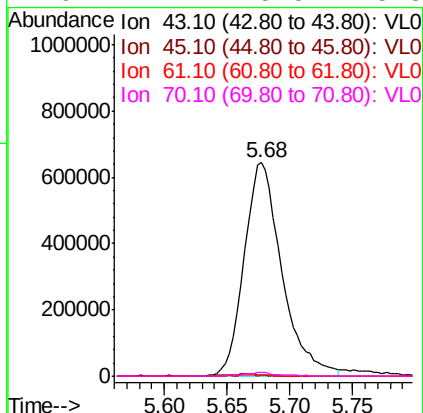
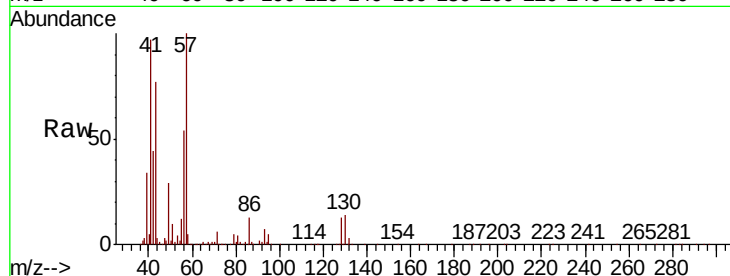


#25
Ethyl Acetate
Concen: 3.910 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1346068

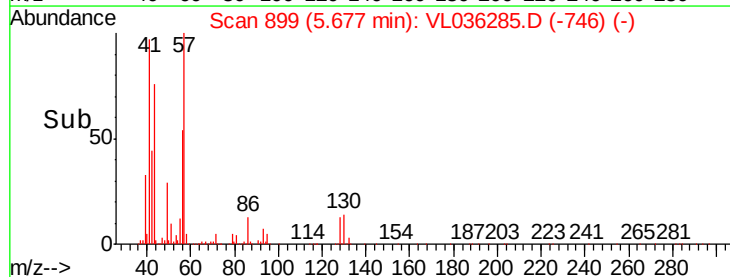
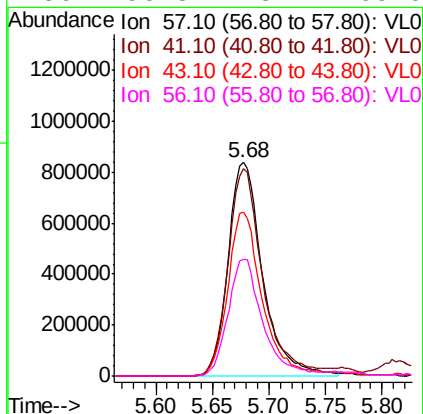
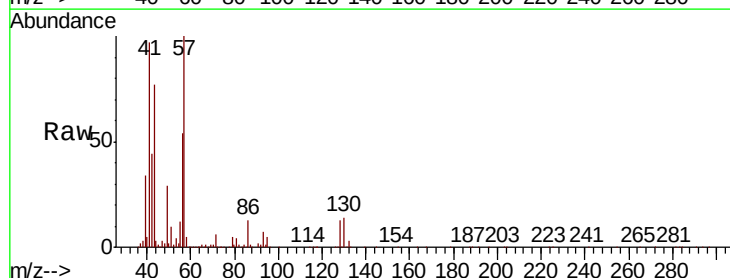
Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.3	12.5#
61	0.6	7.4	11.2#
70	1.7	5.5	8.3#

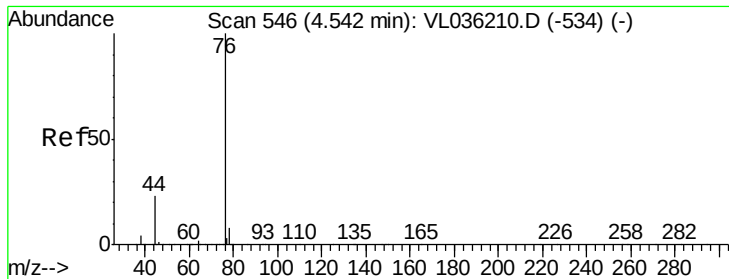


#26
Hexane
Concen: 12.452 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

Tgt Ion: 57 Resp: 1784576

Ion	Ratio	Lower	Upper
57	100		
41	100.8	83.0	124.6
43	78.2	202.4	303.6#
56	56.8	43.4	65.0





#27

Carbon Disulfide

Concen: 0.388 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

ClientSampleId :

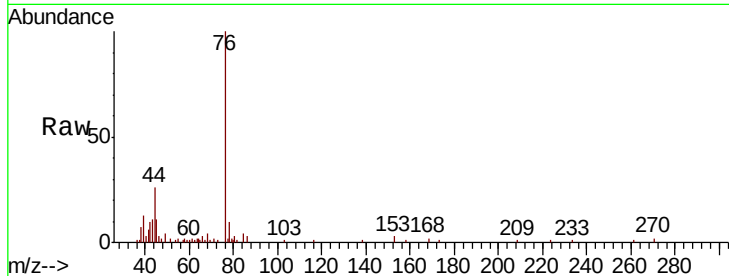
Tot Ion: 76 Resp: 44491

Ion Ratio Lower Upper

76 100

44 38.7 19.0 28.6#

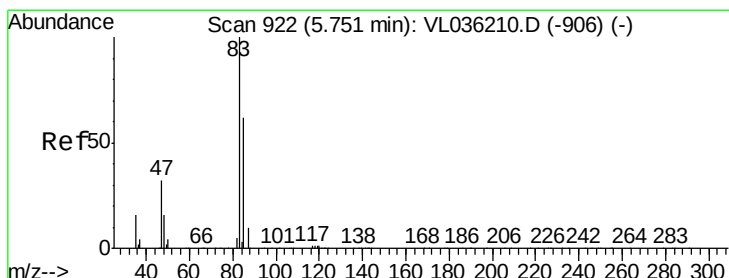
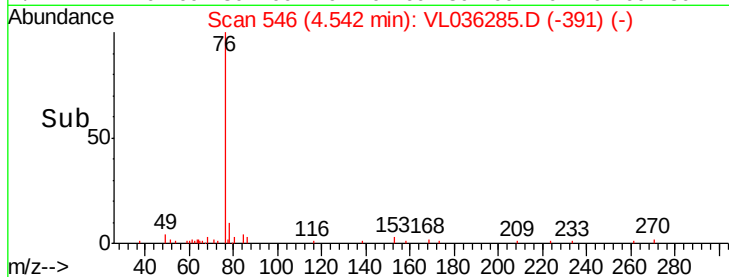
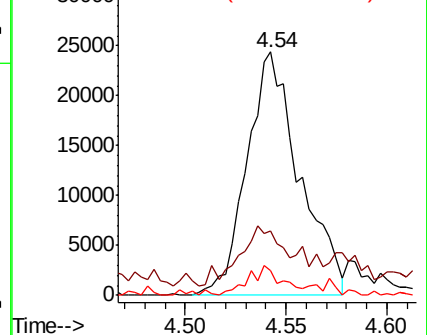
78 11.4 8.0 12.0



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



#29

Chloroform

Concen: 0.096 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL036285.D

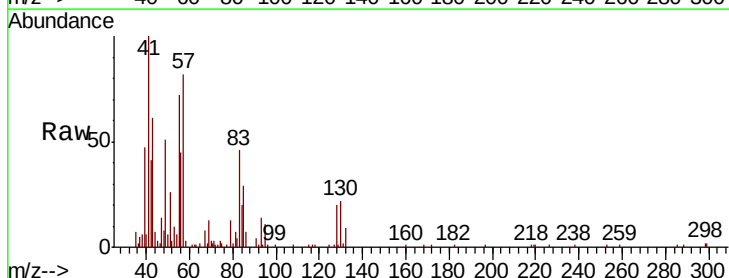
Acq: 28 Jan 2021 23:52

Tgt Ion: 83 Resp: 19735

Ion Ratio Lower Upper

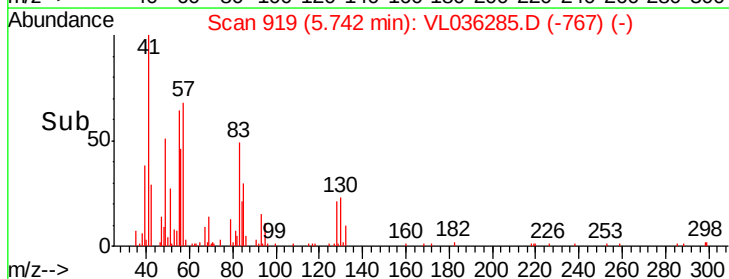
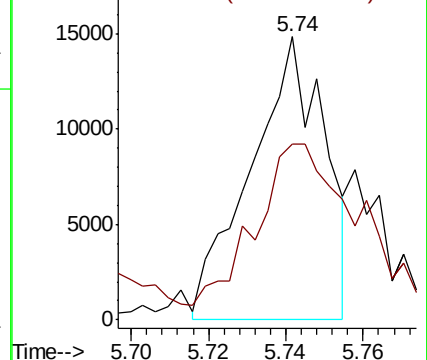
83 100

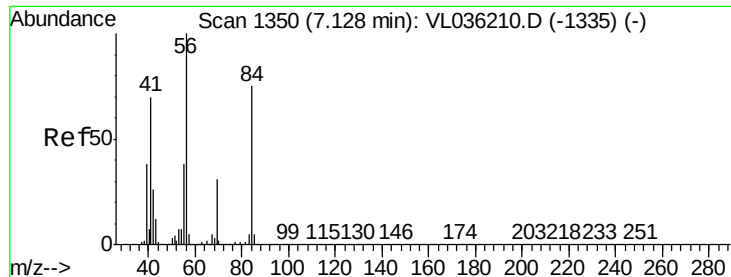
85 58.6 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

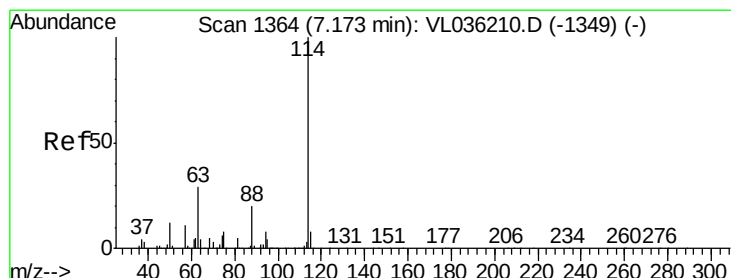
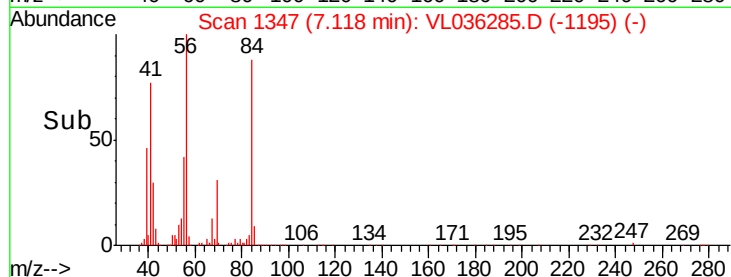
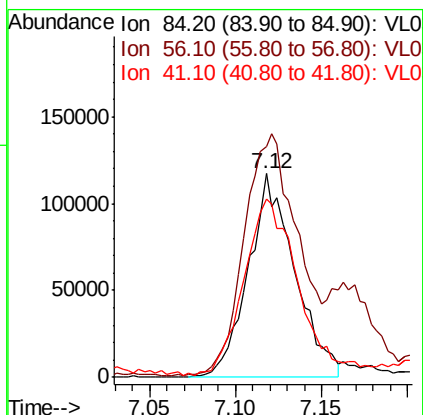
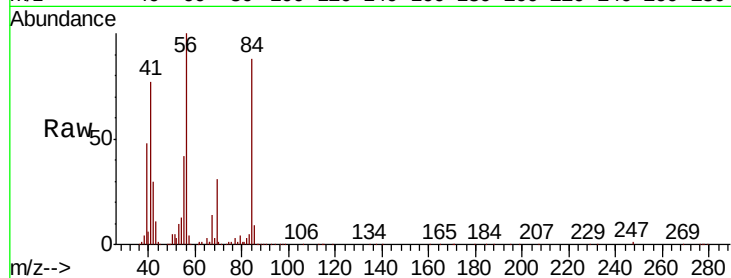




#30
Cyclohexane
Concen: 2.008 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

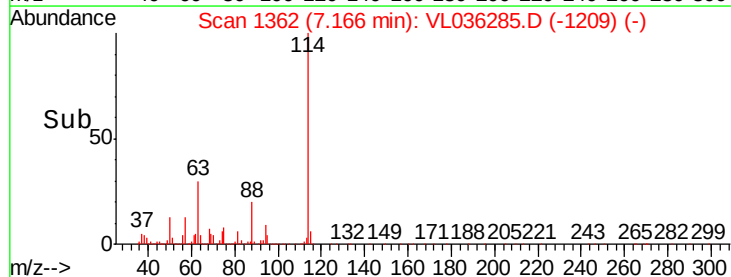
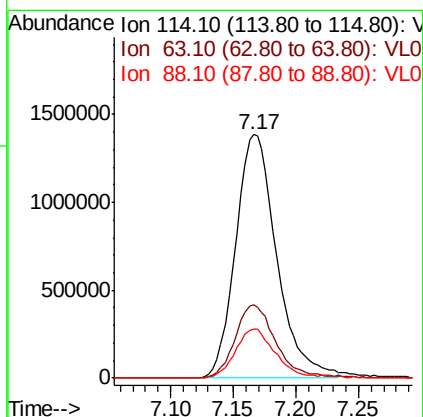
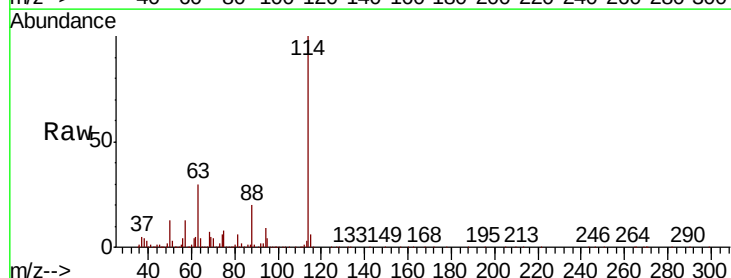
Instrument :
MSVOA_L
ClientSampleId :

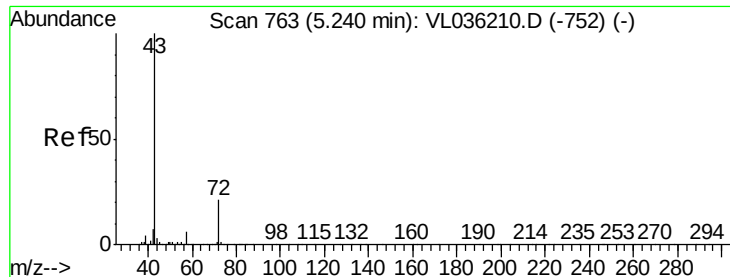
Tot Ion: 84 Resp: 219867
Ion Ratio Lower Upper
84 100
56 182.7 119.4 179.0#
41 100.3 79.4 119.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

Tgt Ion: 114 Resp: 3154338
Ion Ratio Lower Upper
114 100
63 30.2 24.7 37.1
88 20.1 16.6 24.8





#34

2-Butanone

Concen: 0.901 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

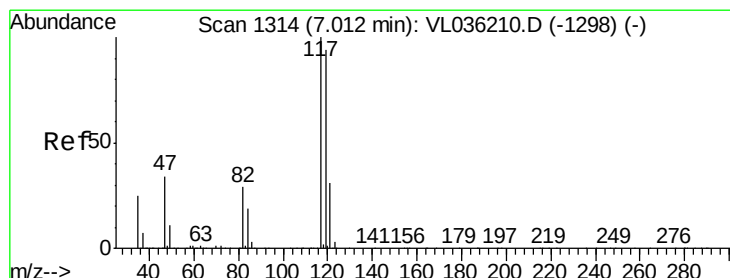
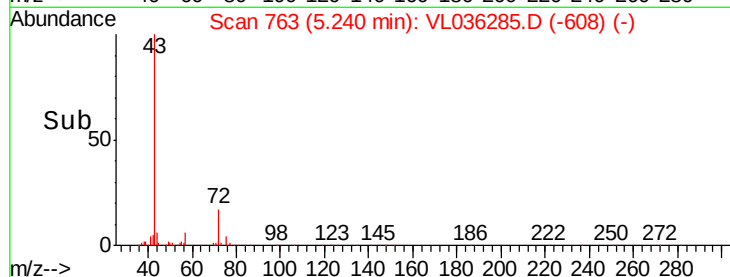
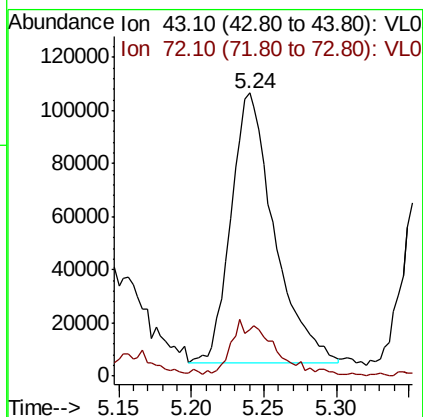
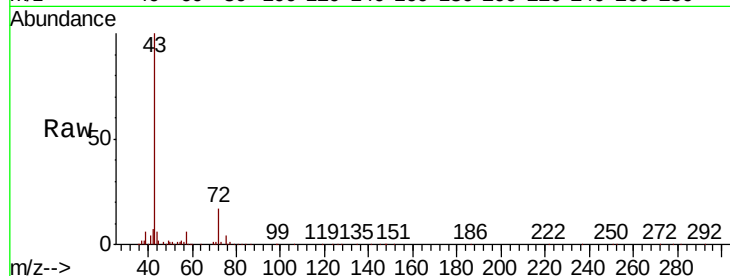
ClientSampleId :

Tot Ion: 43 Resp: 209375

Ion Ratio Lower Upper

43 100

72 20.8 16.1 24.1



#35

Carbon Tetrachloride

Concen: 0.033 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

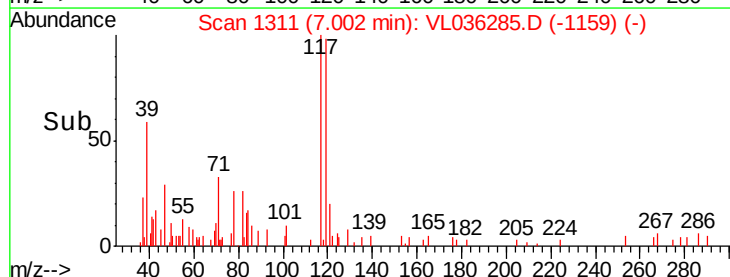
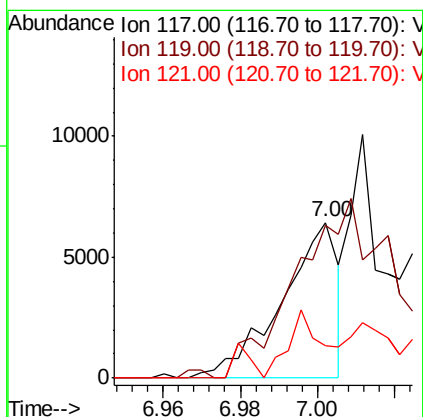
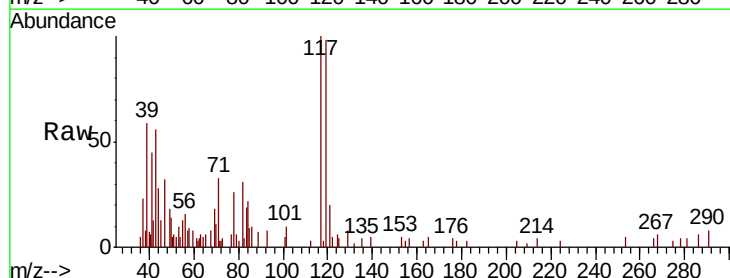
Tgt Ion: 117 Resp: 6487

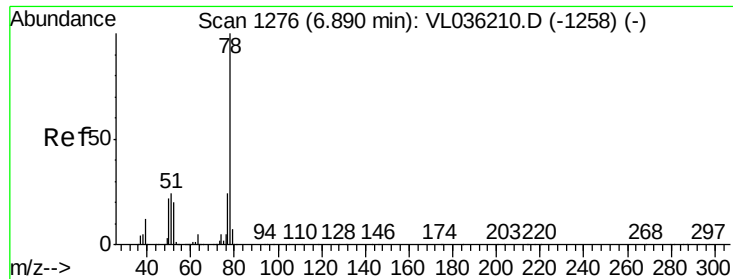
Ion Ratio Lower Upper

117 100

119 93.3 74.9 112.3

121 20.5 25.0 37.6#





#36

Benzene

Concen: 3.170 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

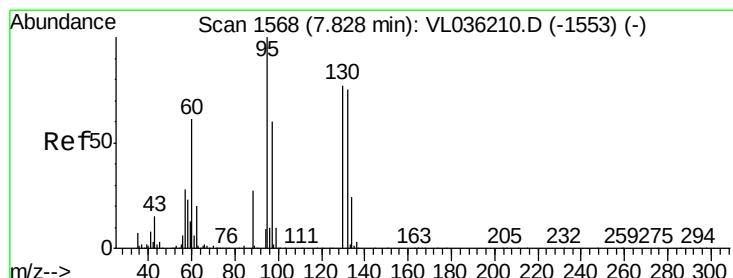
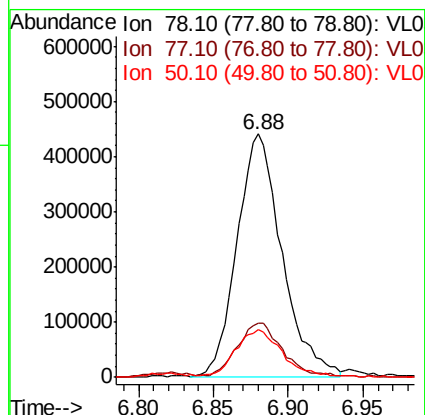
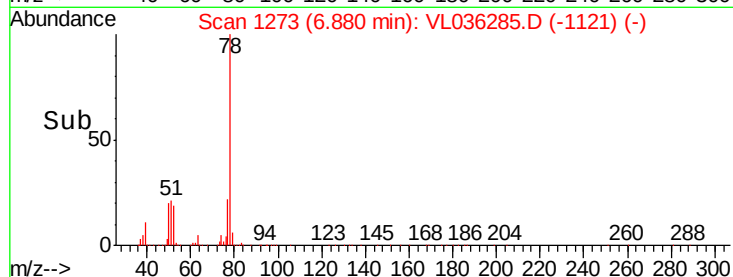
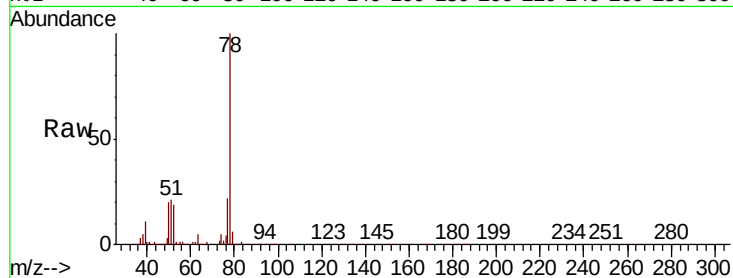
Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 78 Resp: 916098

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.4	29.0
50	19.1	17.4	26.2



#38

Trichloroethene

Concen: 0.156 ppbv

RT: 7.82 min Scan# 1564

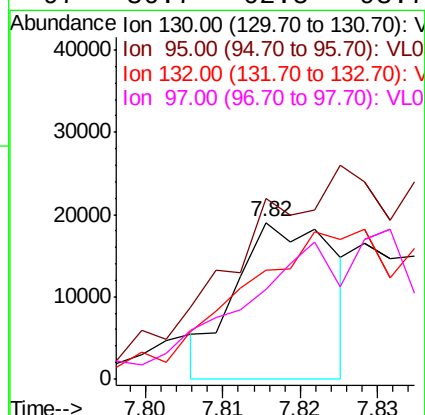
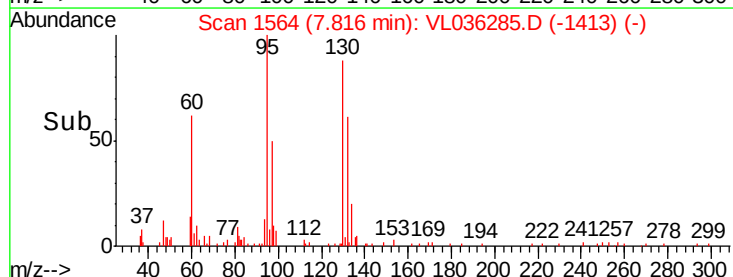
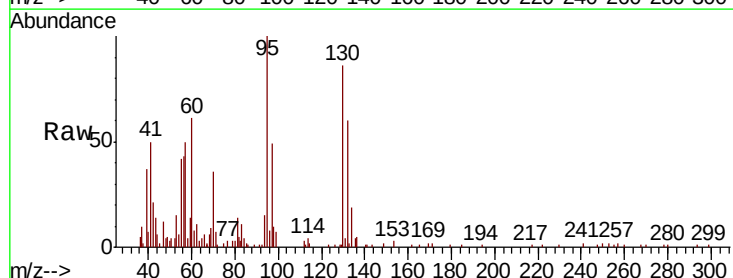
Delta R.T. -0.01 min

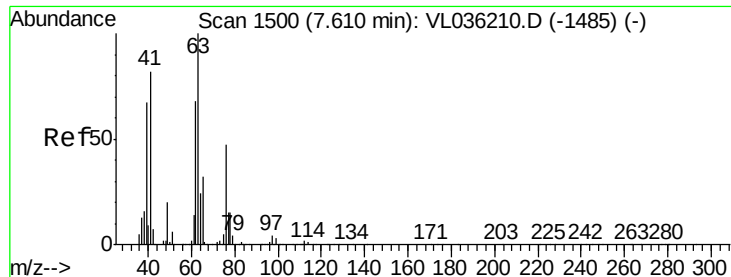
Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Tgt Ion: 130 Resp: 16728

Ion	Ratio	Lower	Upper
130	100		
95	98.0	103.9	155.9#
132	55.8	77.4	116.2#
97	36.7	62.5	93.7#





#39

1,2-Dichloropropane

Concen: 7.901 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.44 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

ClientSampleId :

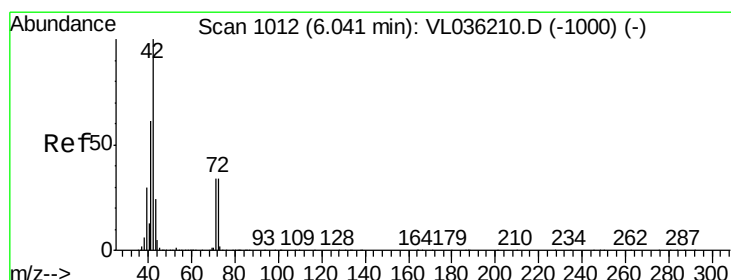
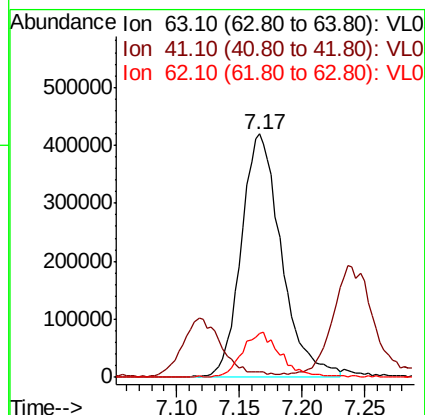
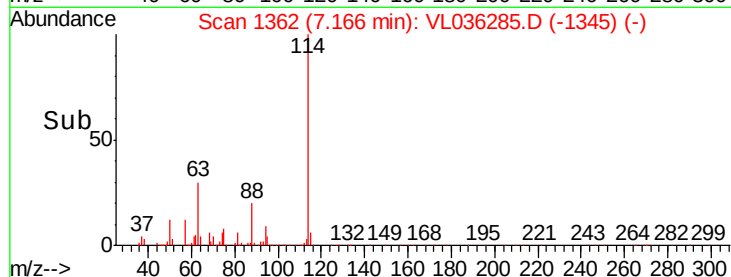
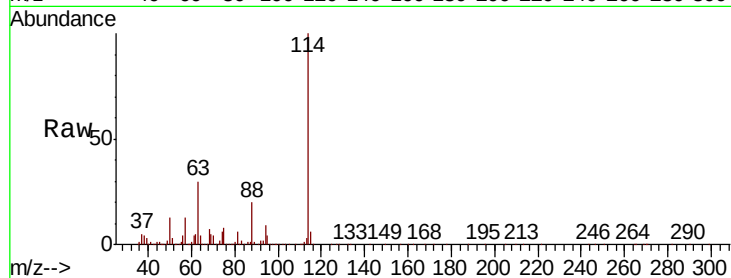
Tot Ion: 63 Resp: 927137

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

62 17.5 54.8 82.2#



#41

Tetrahydrofuran

Concen: 0.077 ppbv

RT: 6.10 min Scan# 1031

Delta R.T. 0.06 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

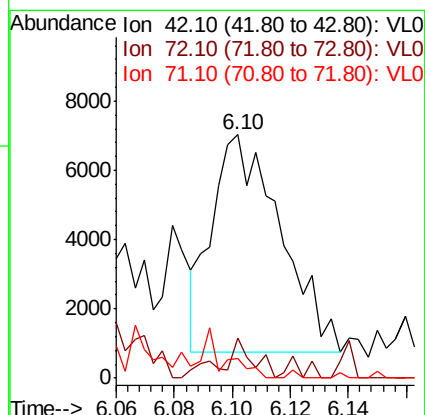
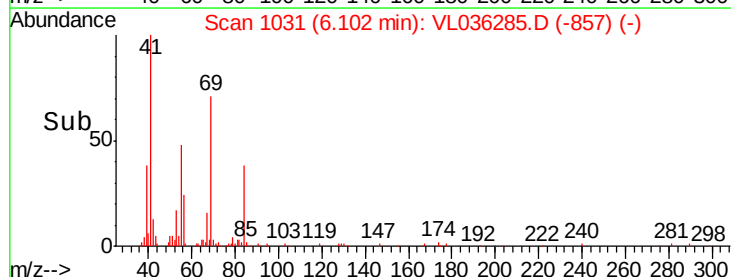
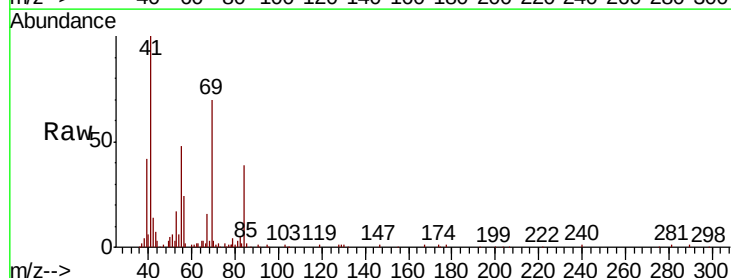
Tgt Ion: 42 Resp: 10279

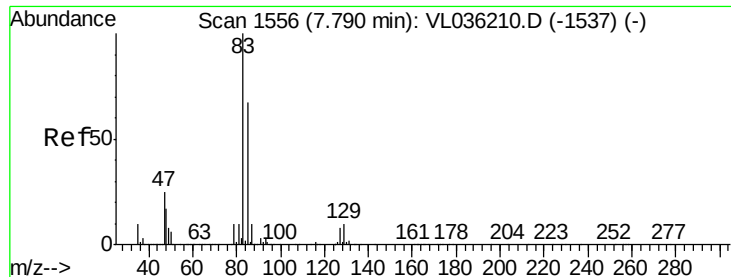
Ion Ratio Lower Upper

42 100

72 45.0 29.5 44.3#

71 34.2 29.1 43.7





#42

Bromodichloromethane

Concen: 0.072 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

ClientSampleId :

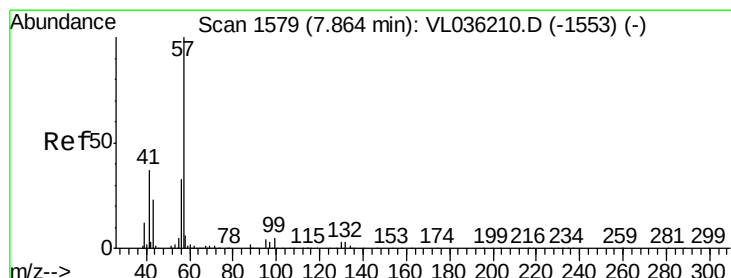
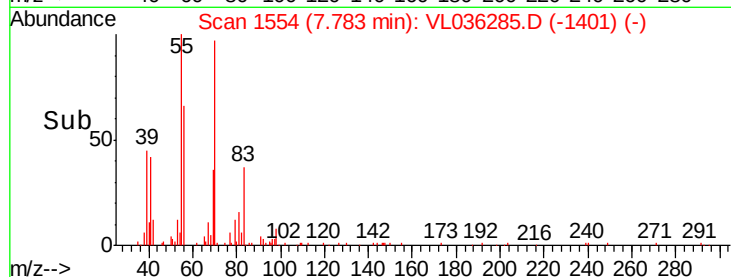
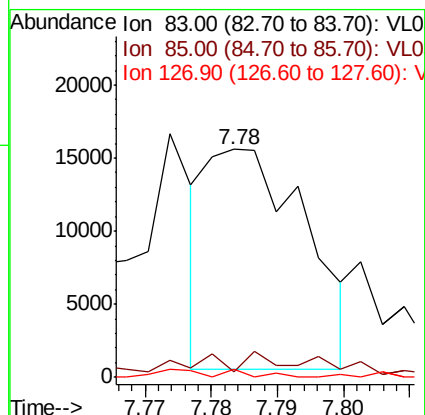
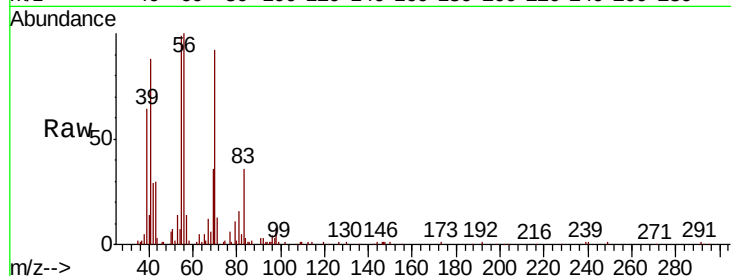
Tot Ion: 83 Resp: 15698

Ion Ratio Lower Upper

83 100

85 0.4 53.4 80.2#

127 3.6 6.2 9.2#



#44

2,2,4-Trimethylpentane

Concen: 2.055 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

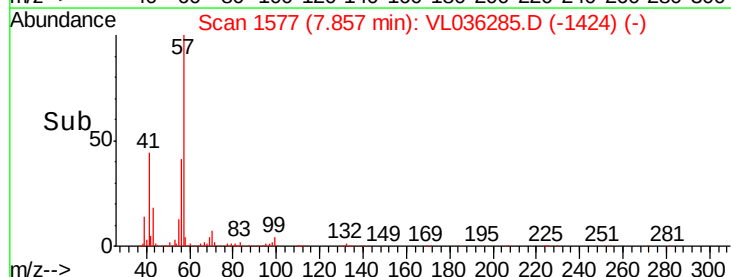
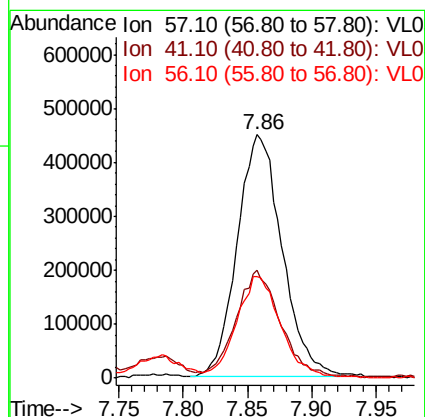
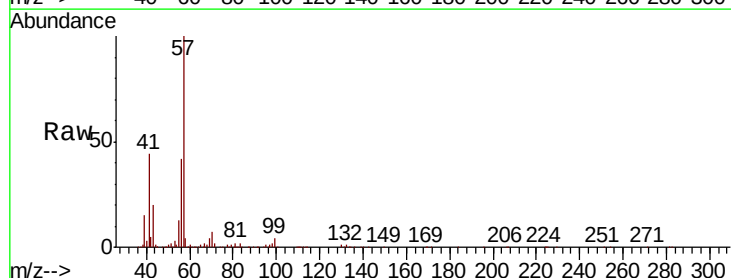
Tgt Ion: 57 Resp: 1090768

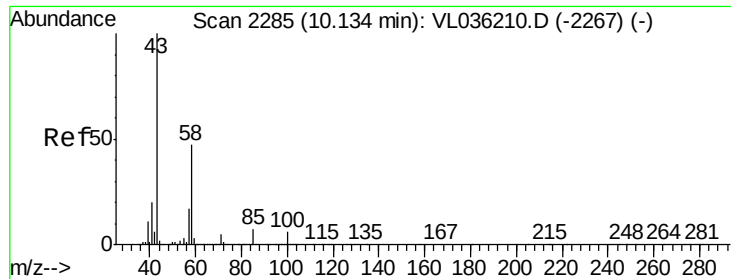
Ion Ratio Lower Upper

57 100

41 43.2 28.5 42.7#

56 40.7 25.5 38.3#

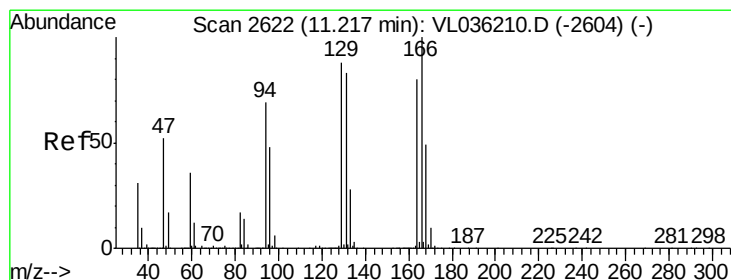
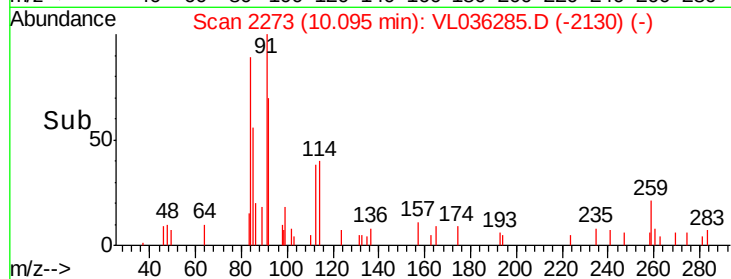
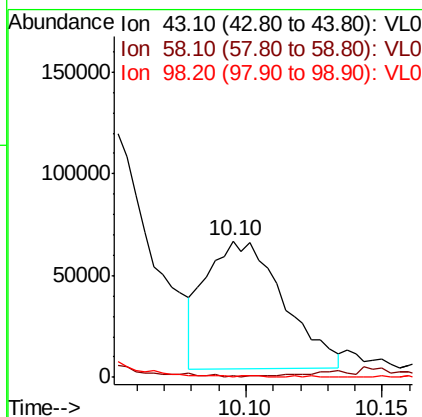
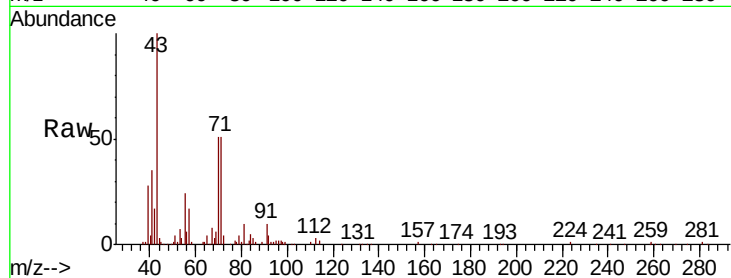




#51
2-Hexanone
Concen: 0.452 ppbv
RT: 10.10 min Scan# 2273
Delta R.T. -0.04 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

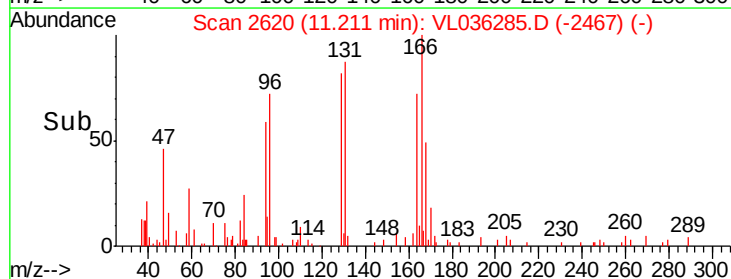
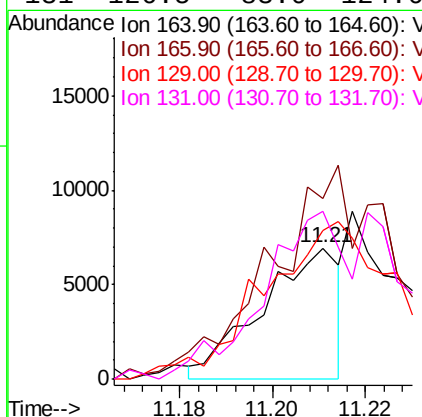
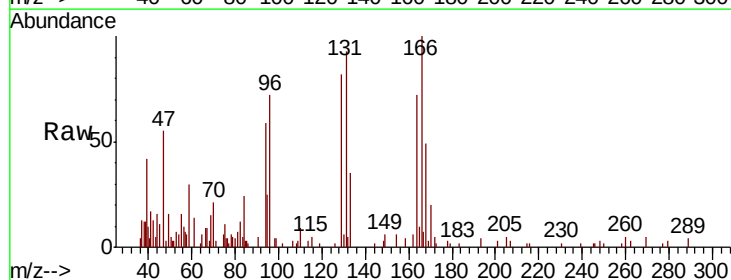
Instrument :
MSVOA_L
ClientSampled :

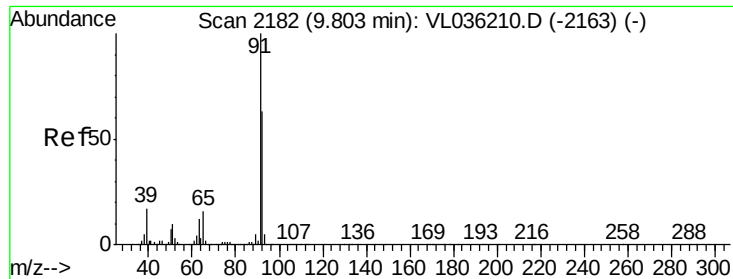
Tot Ion	Ratio	Lower	Upper
43	100		
58	9.4	37.4	56.0#
98	0.0	0.2	0.2#



#52
Tetrachloroethene
Concen: 0.075 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	99.9	149.9
129	107.1	88.2	132.4
131	126.5	83.0	124.6#





#53

Toluene

Concen: 25.601 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

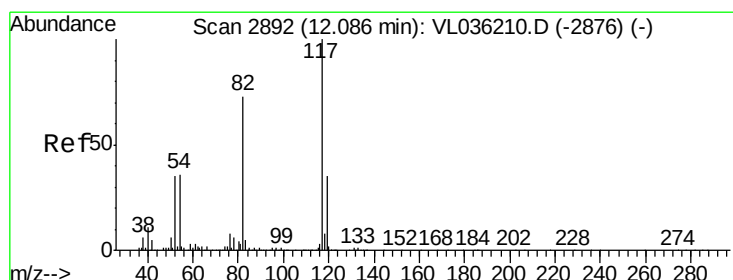
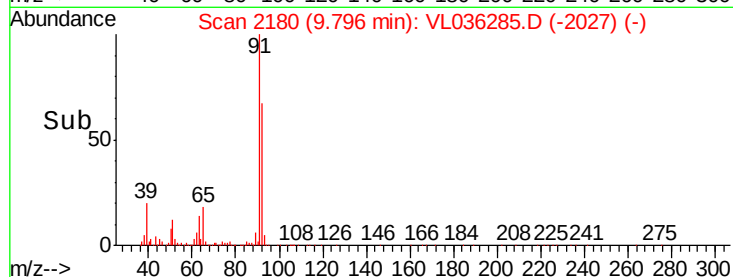
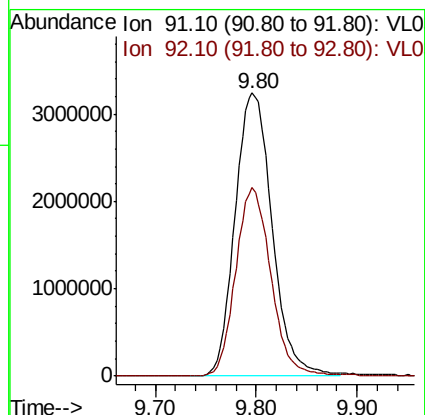
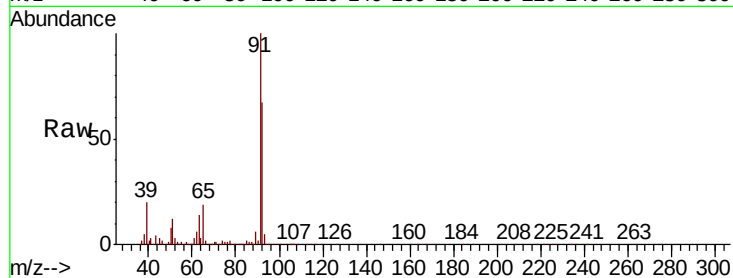
ClientSampleId :

Tot Ion: 91 Resp: 8277130

Ion Ratio Lower Upper

91 100

92 63.5 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

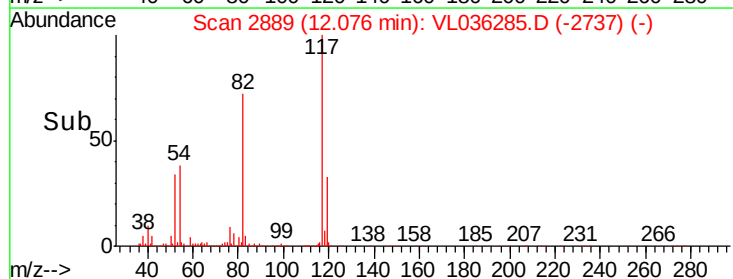
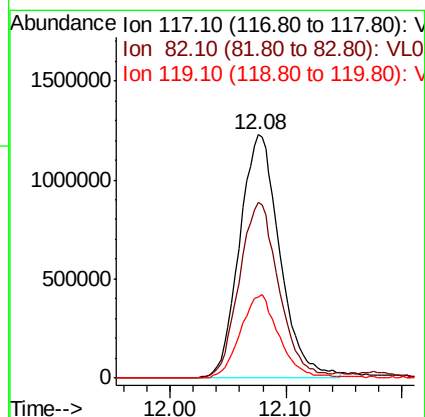
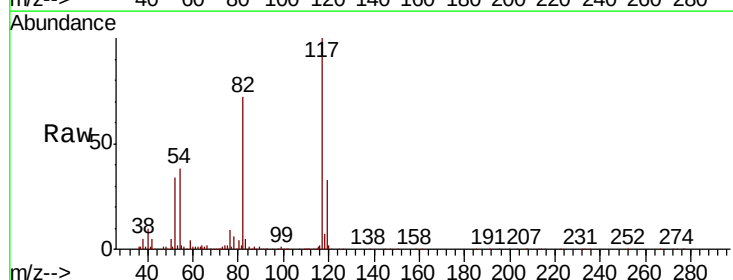
Tgt Ion: 117 Resp: 2960952

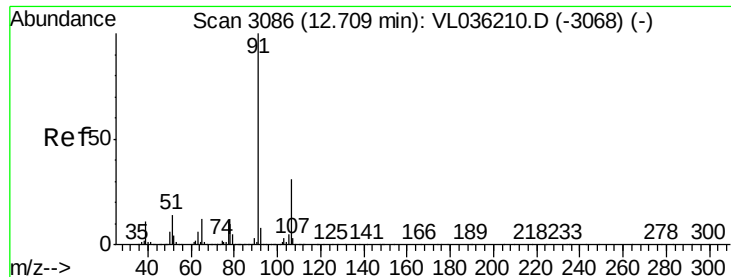
Ion Ratio Lower Upper

117 100

82 72.7 59.7 89.5

119 33.4 28.6 43.0





#58

Ethyl Benzene

Concen: 4.946 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

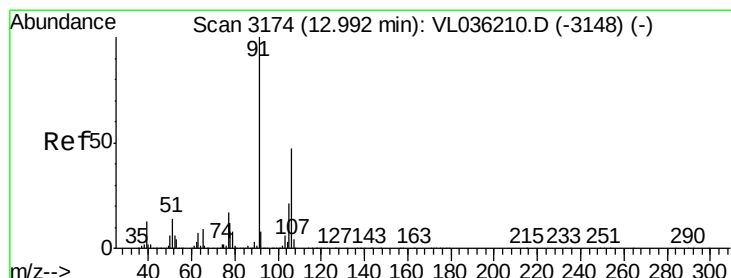
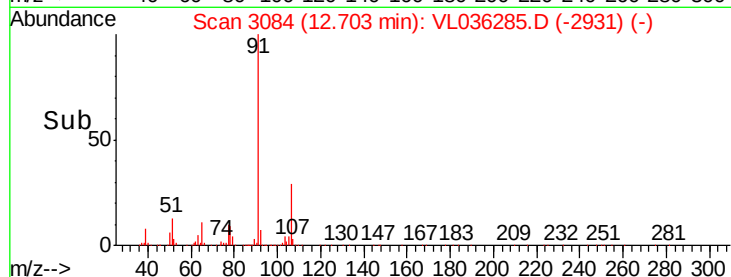
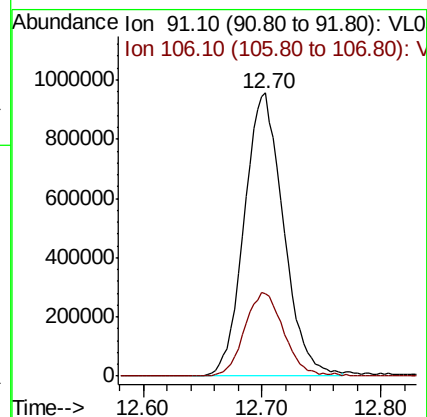
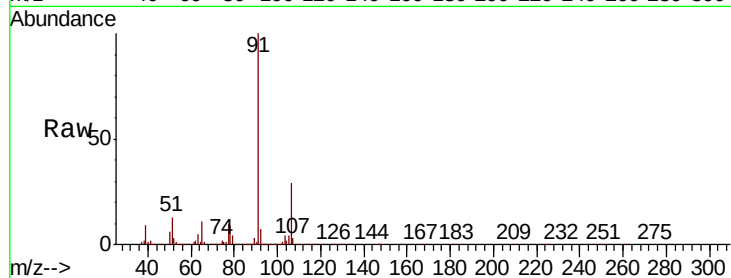
ClientSampleId :

Tot Ion: 91 Resp: 2173376

Ion Ratio Lower Upper

91 100

106 29.2 24.8 37.2



#59

m/p-Xylene

Concen: 16.794 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.04 min

Lab File: VL036285.D

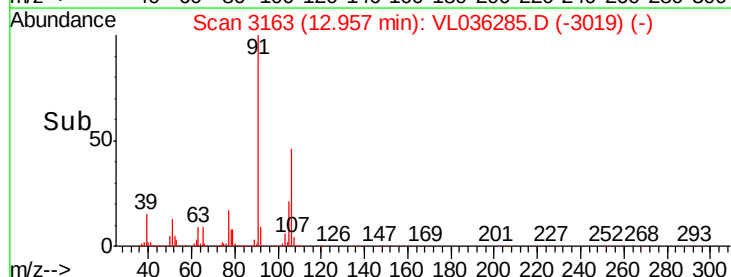
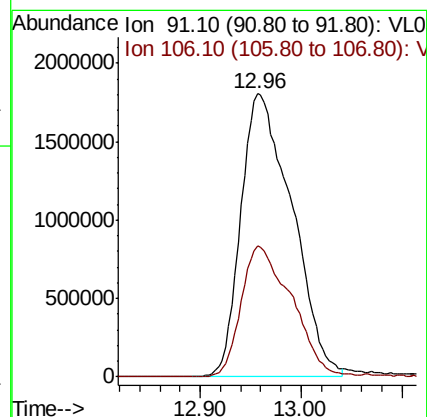
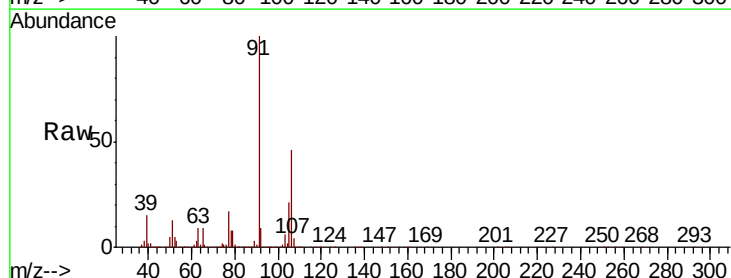
Acq: 28 Jan 2021 23:52

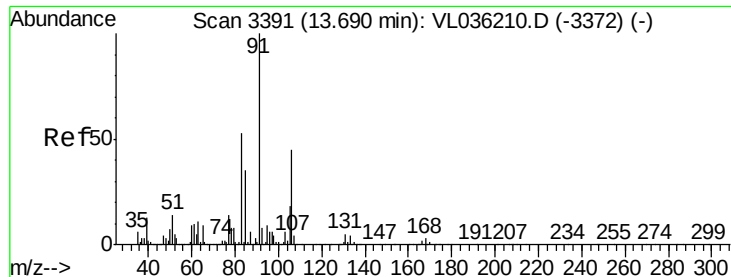
Tgt Ion: 91 Resp: 6340649

Ion Ratio Lower Upper

91 100

106 46.4 34.6 51.8

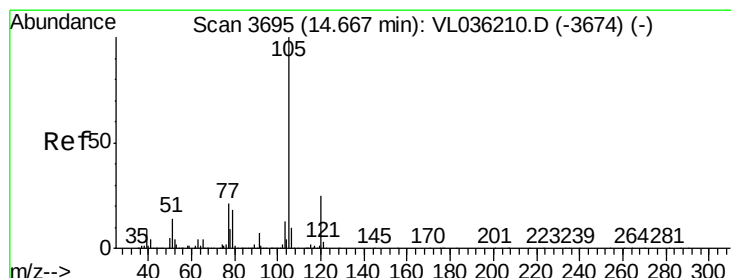
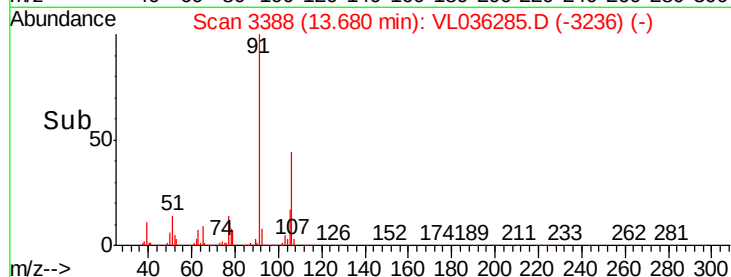
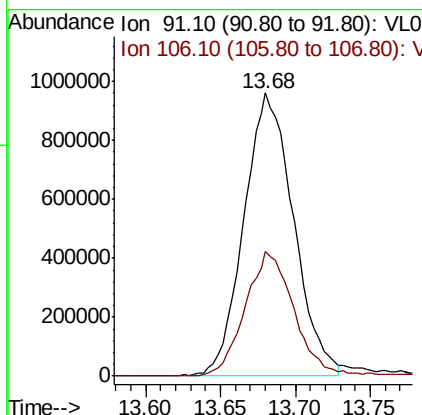
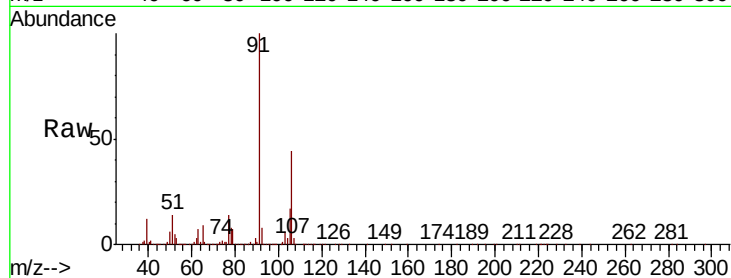




#60
o-Xylene
Concen: 6.049 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

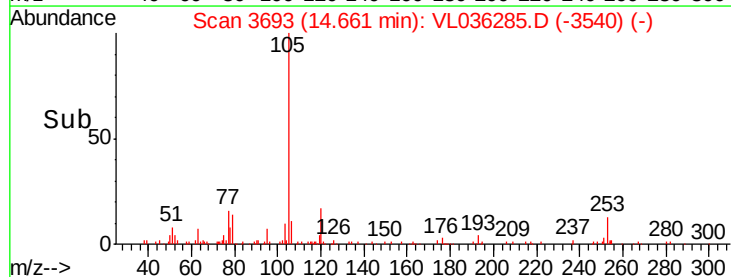
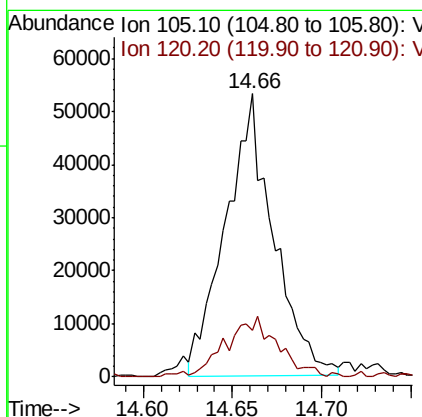
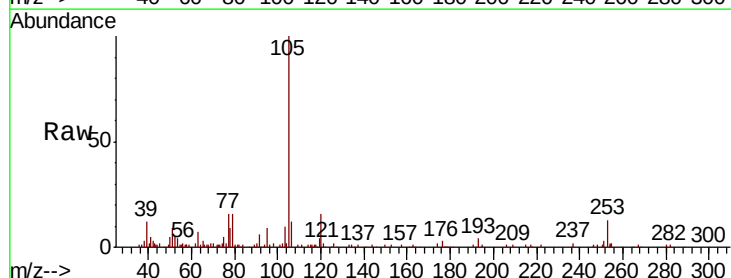
Instrument :
MSVOA_L
ClientSampled :

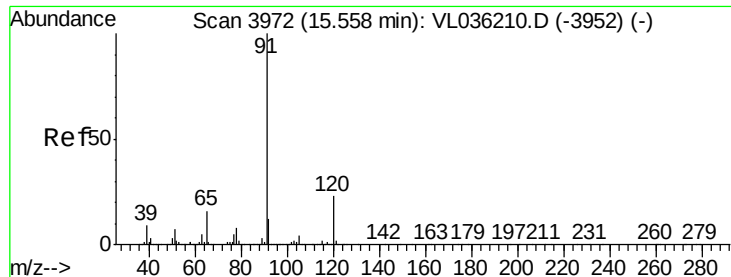
Tot Ion: 91 Resp: 2201626
Ion Ratio Lower Upper
91 100
106 44.5 21.9 65.8



#62
Isopropylbenzene
Concen: 0.183 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL036285.D
Acq: 28 Jan 2021 23:52

Tgt Ion:105 Resp: 99008
Ion Ratio Lower Upper
105 100
120 23.5 20.3 30.5





#64

n-propylbenzene

Concen: 0.450 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

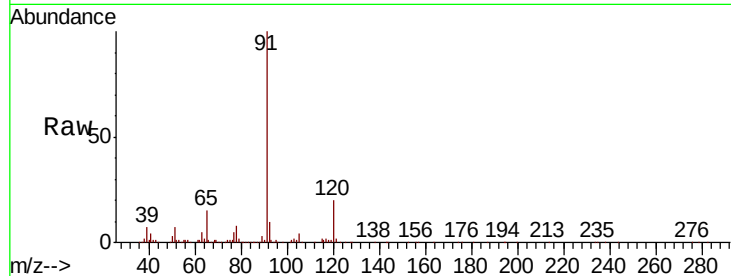
ClientSampleId :

Tot Ion:120 Resp: 59861

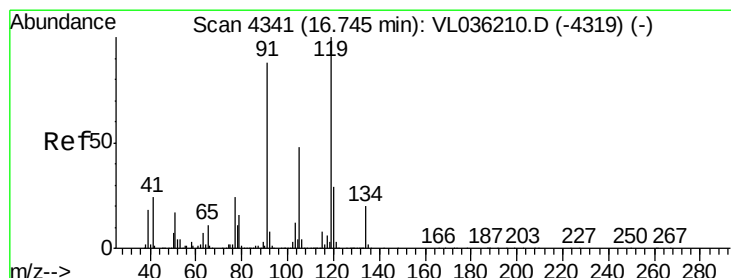
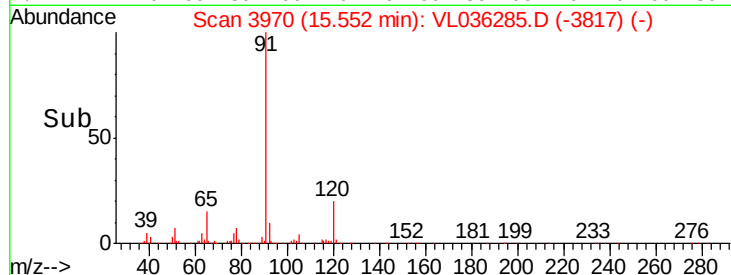
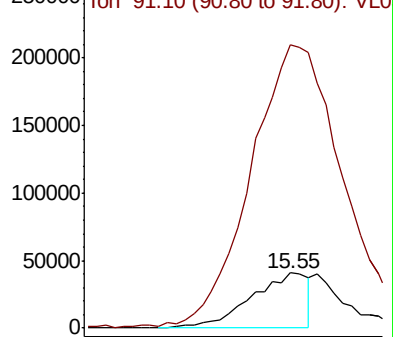
Ion Ratio Lower Upper

120 100

91 848.9 391.8 587.6#



Abundance Ion 120.20 (119.90 to 120.90): V



#65

tert-Butylbenzene

Concen: 0.218 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

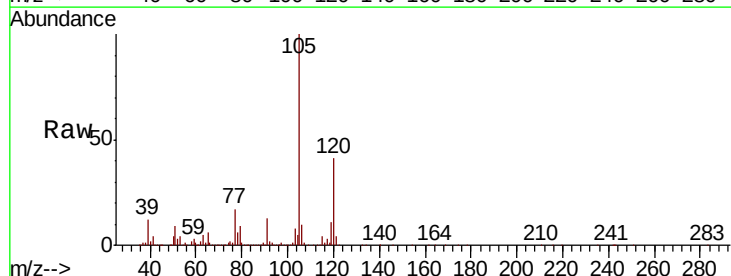
Tgt Ion:119 Resp: 99728

Ion Ratio Lower Upper

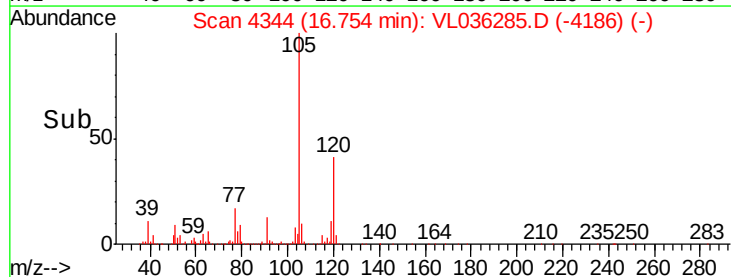
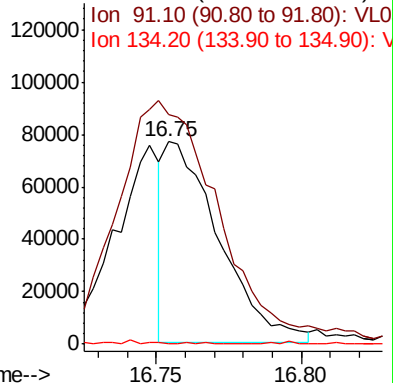
119 100

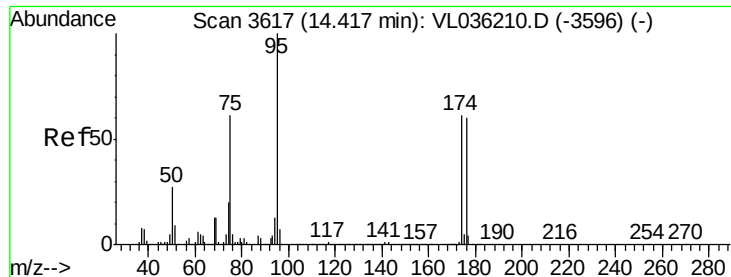
91 237.6 71.0 106.6#

134 0.0 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

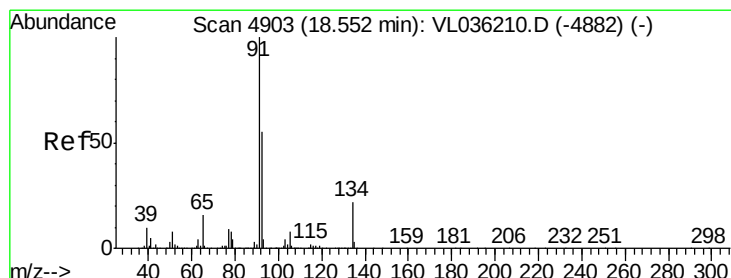
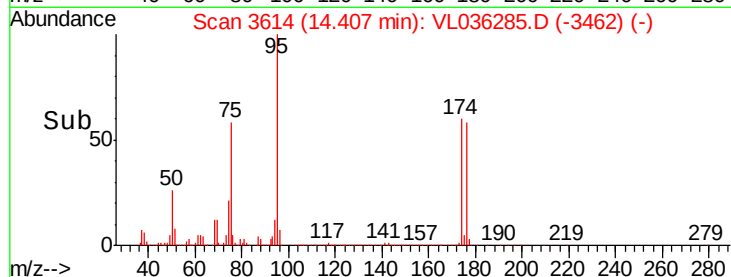
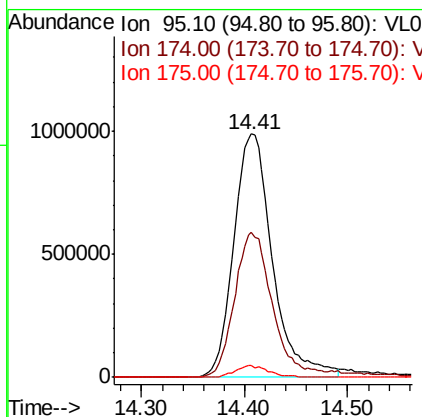
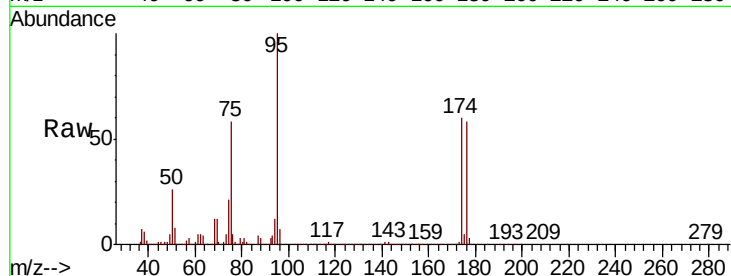




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.543 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.01 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

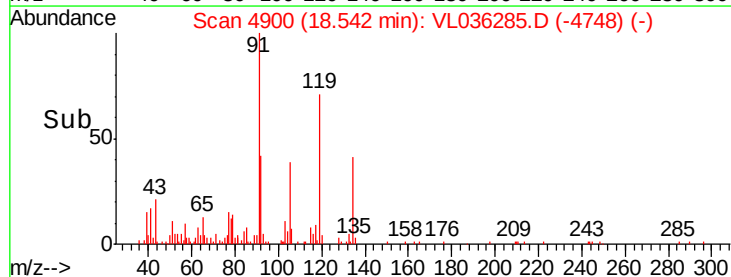
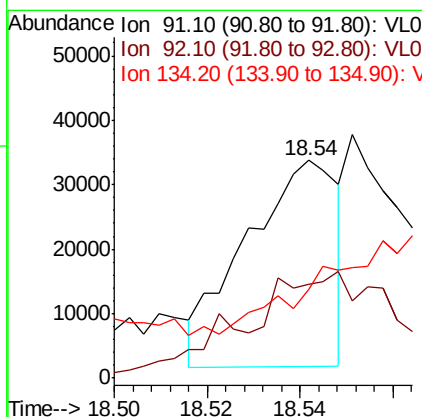
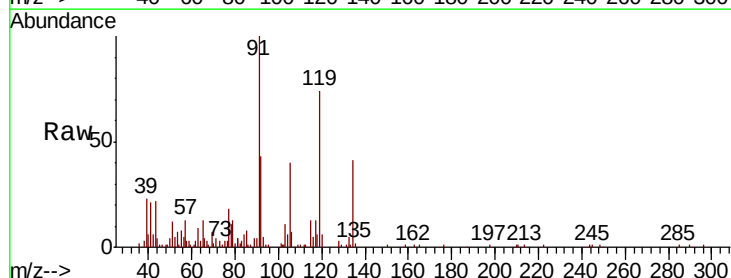
Instrument :
 MSVOA_L
 ClientSampleID :

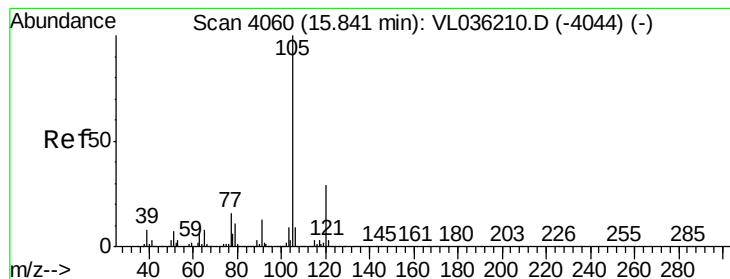
Tot Ion: 95 Resp: 2583866
 Ion Ratio Lower Upper
 95 100
 174 61.5 49.4 74.0
 175 4.6 3.8 5.8



#70
 n-Butylbenzene
 Concen: 0.077 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.01 min
 Lab File: VL036285.D
 Acq: 28 Jan 2021 23:52

Tgt Ion: 91 Resp: 44107
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.0 66.0#
 134 0.0 17.0 25.4#





#72

4-Ethyltoluene

Concen: 1.607 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.01 min

Lab File: VL036285.D

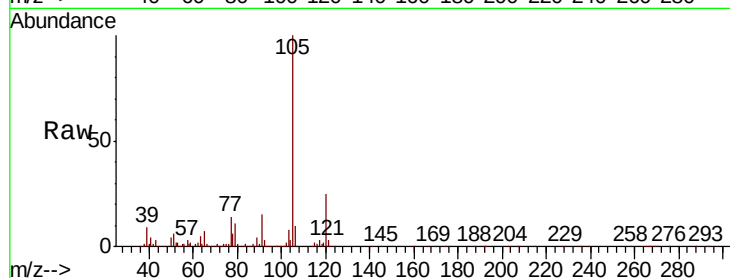
Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	660118
Ion	Ratio	Lower	Upper
105	100		
120	27.2	23.7	35.5
91	16.3	11.9	17.9
77	15.7	12.6	18.8

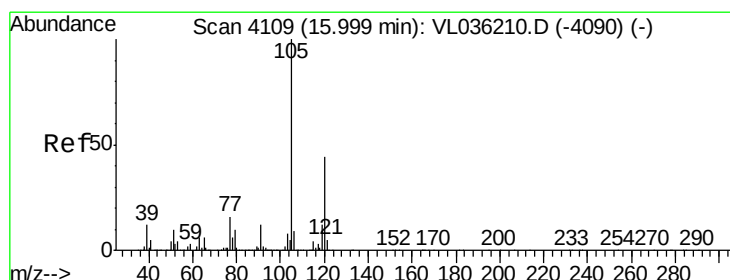
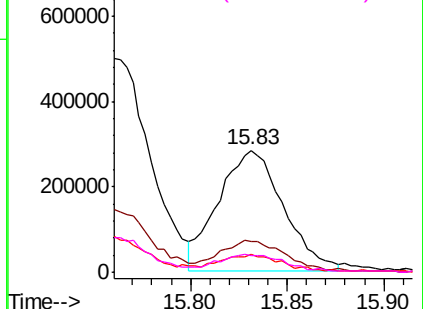
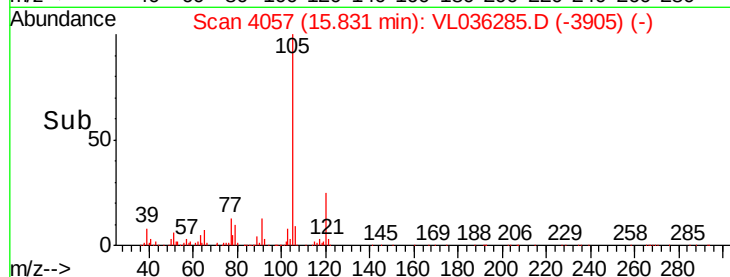


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 1.099 ppbv

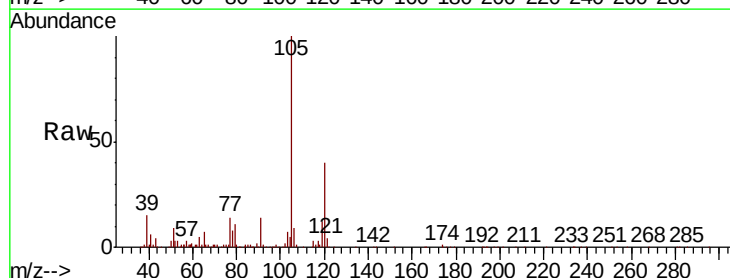
RT: 15.99 min Scan# 4106

Delta R.T. -0.01 min

Lab File: VL036285.D

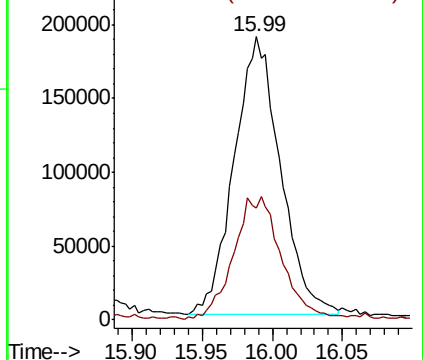
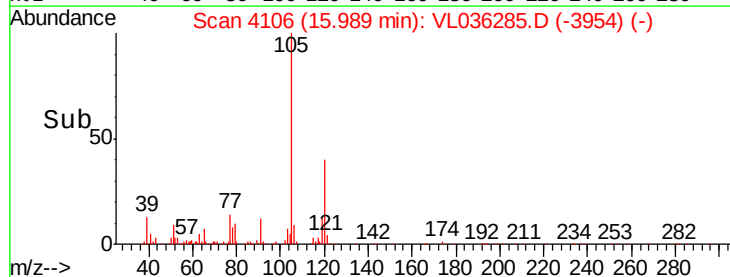
Acq: 28 Jan 2021 23:52

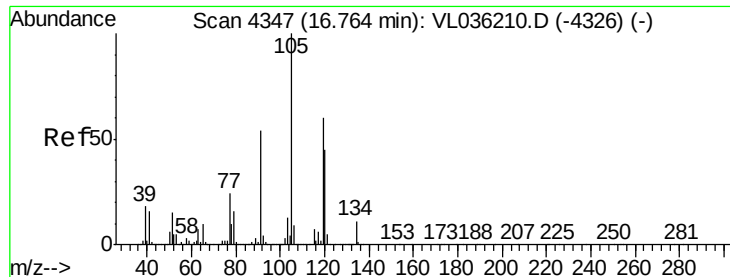
Tgt Ion:	105	Resp:	430174
Ion	Ratio	Lower	Upper
105	100		
120	39.5	35.5	53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 4.326 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1737184

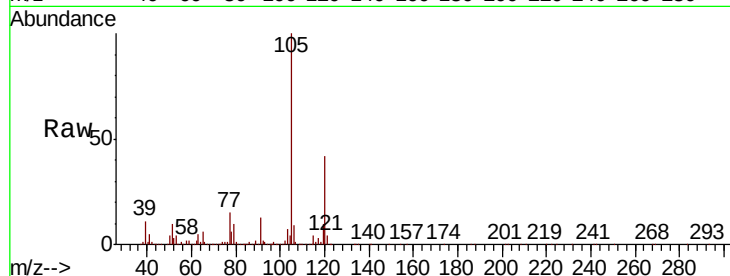
Ion Ratio Lower Upper

105 100

120 42.3 36.2 54.2

91 12.9 43.3 64.9#

77 14.8 19.1 28.7#

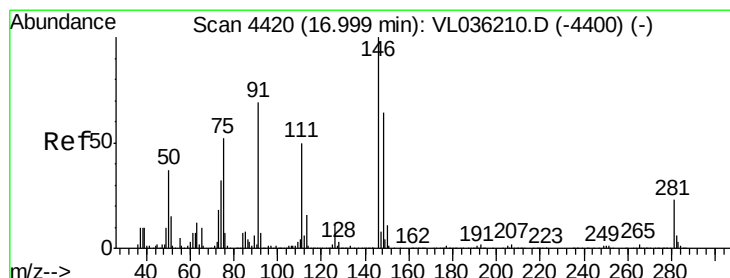
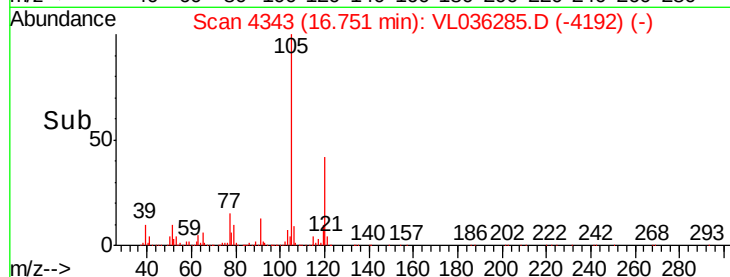
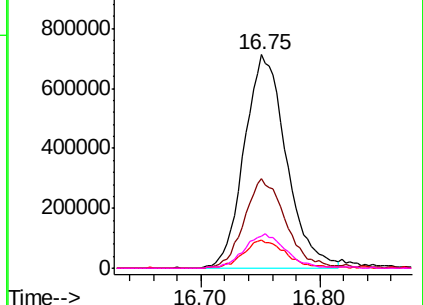


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.084 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL036285.D

Acq: 28 Jan 2021 23:52

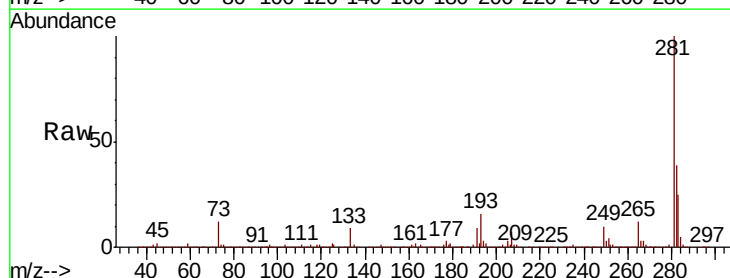
Tgt Ion:146 Resp: 18004

Ion Ratio Lower Upper

146 100

111 0.0 25.5 76.5#

148 0.0 32.4 97.2#



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

