

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036518.D
 Acq On : 26 Mar 2021 17:48
 Operator : SY/AP
 Sample : M1760-12
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

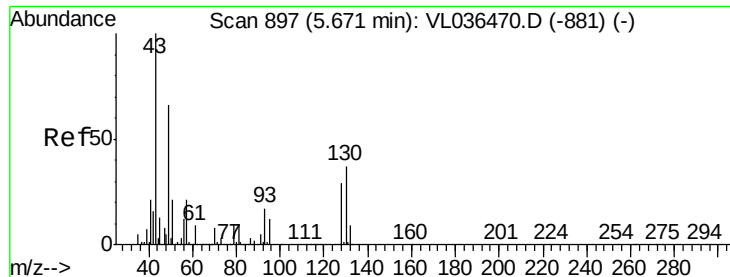
Quant Time: Mar 27 03:29:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1504844	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	3389851	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3075695	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2379472	9.71	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	70009	0.285	ppbv	90
3) Chlorodifluoromethane	2.98	51	3717614	13.222	ppbv #	60
4) Chloromethane	3.16	50	22736	0.229	ppbv	89
5) Vinyl Chloride	3.27	62	3103	0.030	ppbv	91
7) Chloroethane	3.58	64	3358	0.096	ppbv #	61
9) Propene	3.03	41	100788	1.124	ppbv	95
11) Trichlorofluoromethane	3.97	101	56477	0.226	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	5914	0.037	ppbv #	7
13) Ethanol	3.64	45	6434994	602.880	ppbv	96
15) Acetone	3.87	43	1577768	10.653	ppbv	99
16) 1,3-Butadiene	3.32	39	141122	1.369	ppbv #	21
17) tert-Butyl alcohol	4.33	59	38771	0.301	ppbv #	26
19) Isopropyl Alcohol	4.01	45	1729660	21.229	ppbv #	96
20) Methylene Chloride	4.36	84	858309	12.377	ppbv	96
21) Allyl Chloride	4.39	41	2866	0.024	ppbv #	17
22) trans-1,2-Dichloroethene	4.90	96	6556	0.099	ppbv #	78
23) Vinyl Acetate	5.10	43	17470	0.069	ppbv #	74
24) 1,1-Dichloroethane	5.03	63	26631	0.144	ppbv #	94
25) Ethyl Acetate	5.70	43	1517697	4.310	ppbv	99
26) Hexane	5.71	57	720087	4.407	ppbv	98
27) Carbon Disulfide	4.57	76	34516	0.214	ppbv #	46
29) Chloroform	5.77	83	56859	0.218	ppbv	92
30) Cyclohexane	7.15	84	2669	0.020	ppbv #	1
31) cis-1,2-Dichloroethene	5.57	61	362969	2.297	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	21619	0.082	ppbv #	27
34) 2-Butanone	5.27	43	98557	0.596	ppbv #	90
35) Carbon Tetrachloride	7.04	117	8413	0.032	ppbv #	68
36) Benzene	6.91	78	58656	0.188	ppbv #	88
38) Trichloroethene	7.86	130	583997	4.800	ppbv	95
39) 1,2-Dichloropropane	7.20	63	920157	7.256	ppbv #	23
41) Tetrahydrofuran	5.71	42	375900	4.927	ppbv #	53
44) 2,2,4-Trimethylpentane	7.89	57	27536	0.050	ppbv #	18
53) Toluene	9.84	91	68317	0.205	ppbv #	20
61) Styrene	13.55	104	27561	0.145	ppbv #	77
65) tert-Butylbenzene	17.00	119	79731	0.181	ppbv #	25
74) 1,2,4-Trimethylbenzene	16.79	105	9537	0.023	ppbv #	59
76) 1,4-Dichlorobenzene	17.18	146	27395	0.119	ppbv #	22

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL036518.D

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Instrument :
MSVOA_L
ClientSampleId :

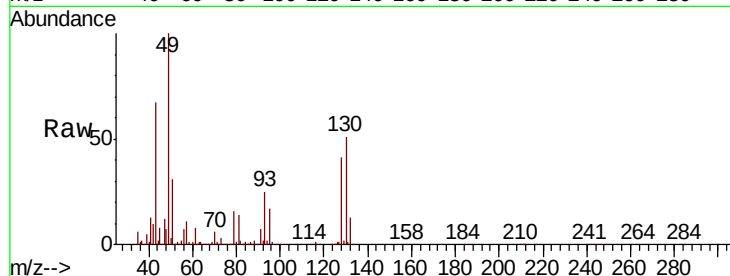
Tot Ion: 49 Resp: 1504844

Ion Ratio Lower Upper

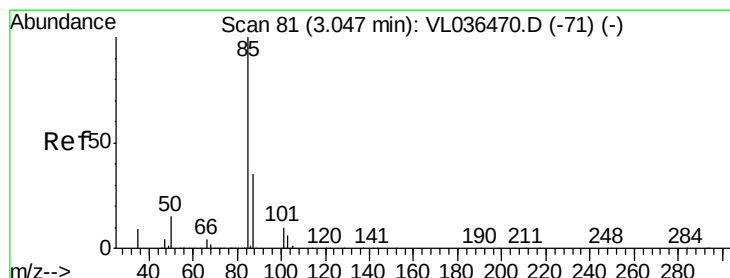
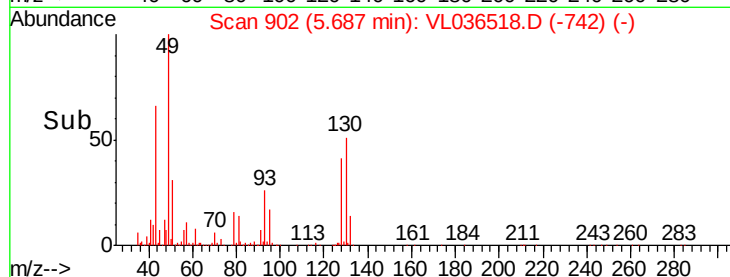
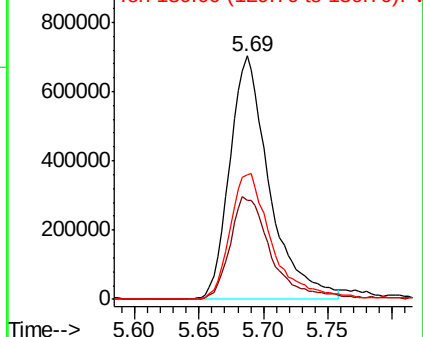
49 100

128 45.0 23.5 70.6

130 55.8 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.285 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL036518.D

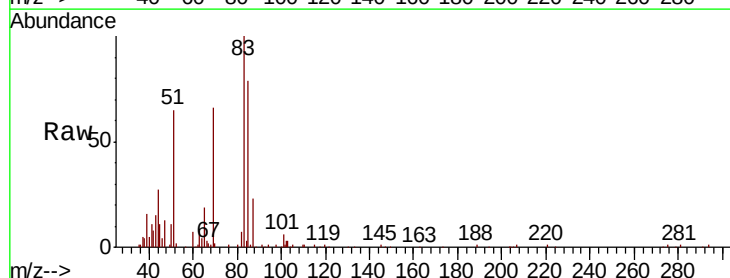
Acq: 26 Mar 2021 17:48

Tgt Ion: 85 Resp: 70009

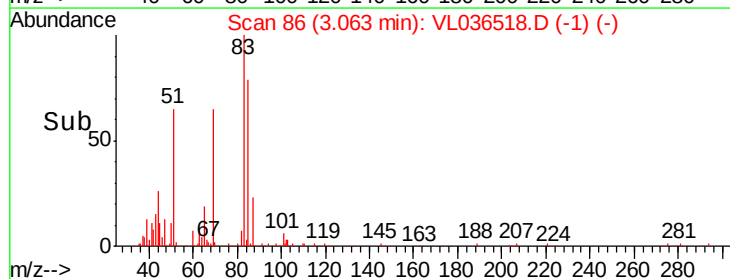
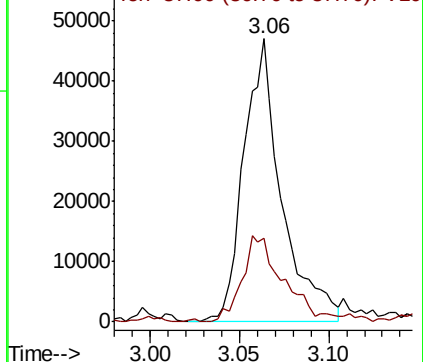
Ion Ratio Lower Upper

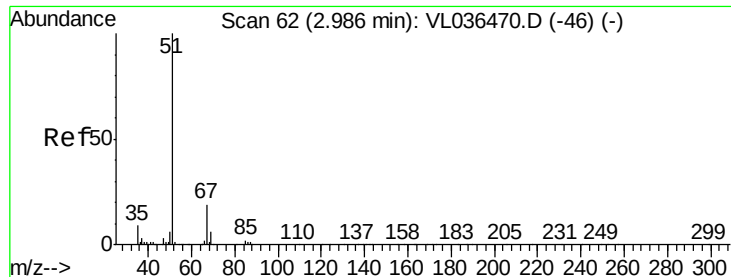
85 100

87 28.9 27.8 41.8



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





#3

Chlorodifluoromethane

Concen: 13.222 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

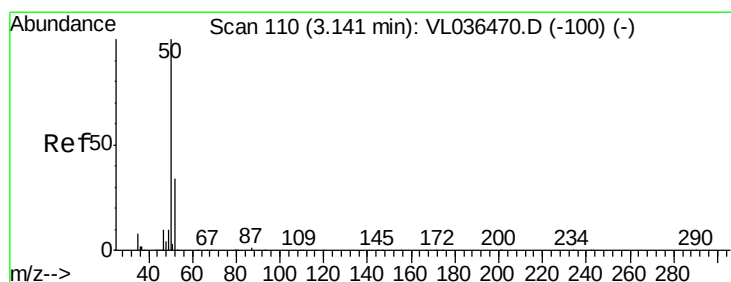
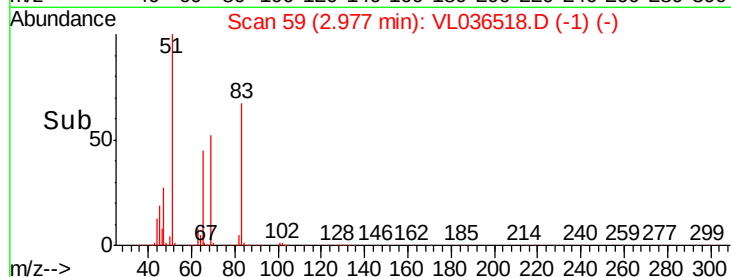
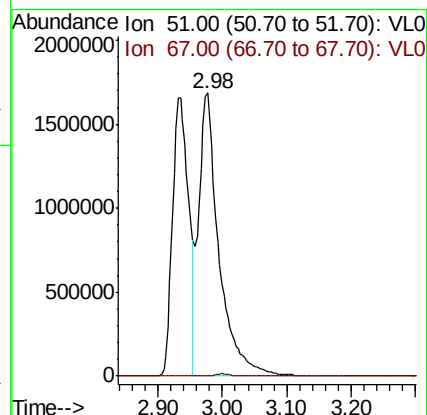
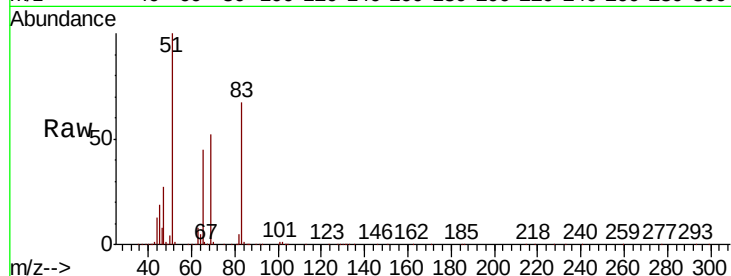
ClientSampleId :

Tot Ion: 51 Resp: 3717614

Ion Ratio Lower Upper

51 100

67 0.7 14.7 22.1#



#4

Chloromethane

Concen: 0.229 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.02 min

Lab File: VL036518.D

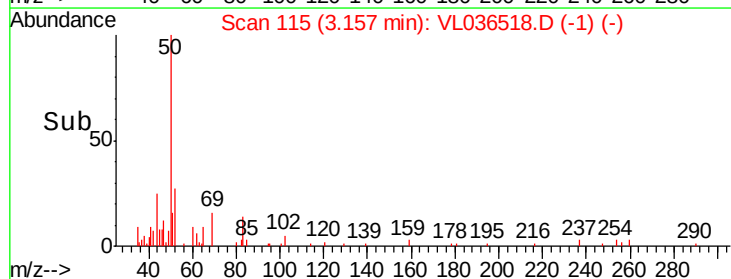
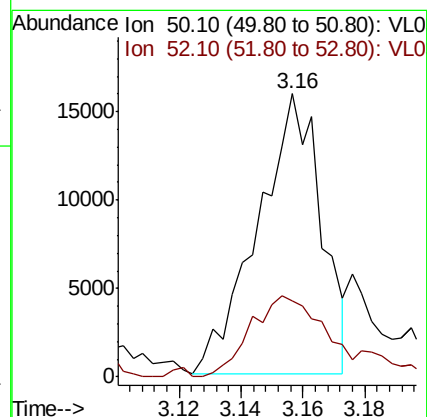
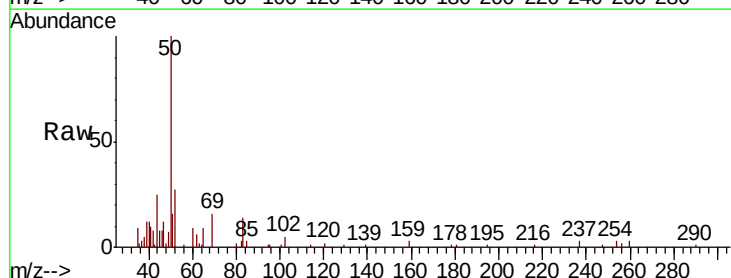
Acq: 26 Mar 2021 17:48

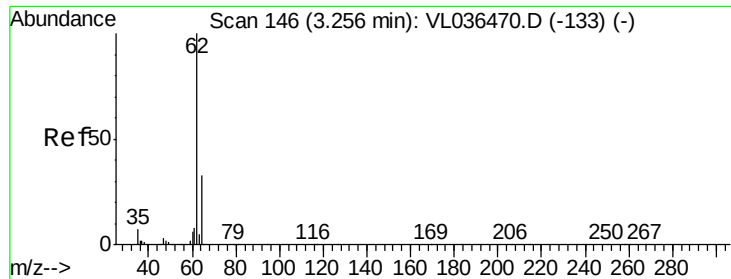
Tgt Ion: 50 Resp: 22736

Ion Ratio Lower Upper

50 100

52 27.2 27.0 40.6





#5

Vinyl Chloride

Concen: 0.030 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.01 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

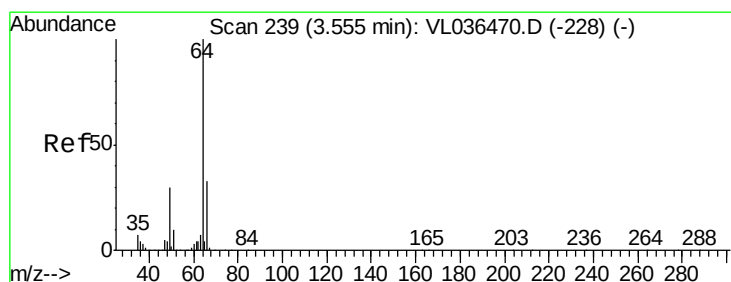
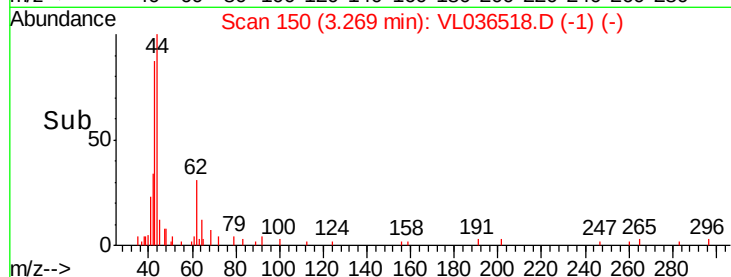
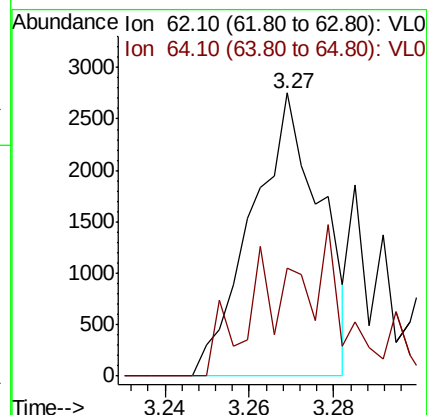
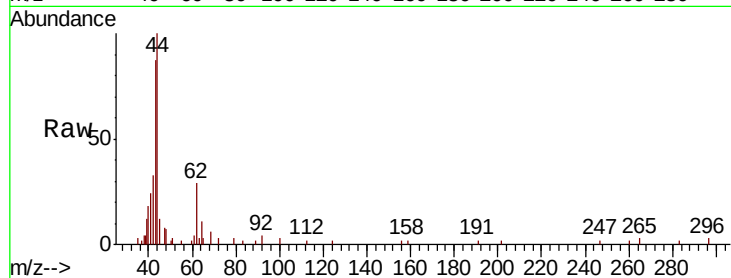
ClientSampleId :

Tot Ion: 62 Resp: 3103

Ion Ratio Lower Upper

62 100

64 38.0 26.4 39.6



#7

Chloroethane

Concen: 0.096 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.02 min

Lab File: VL036518.D

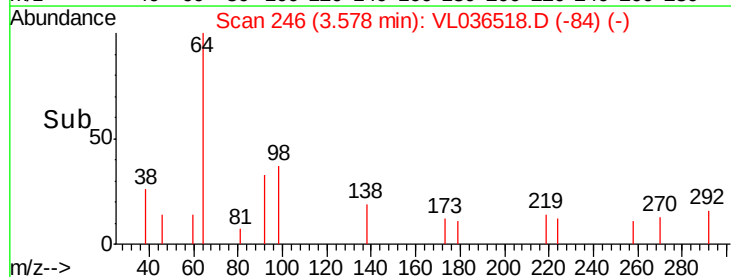
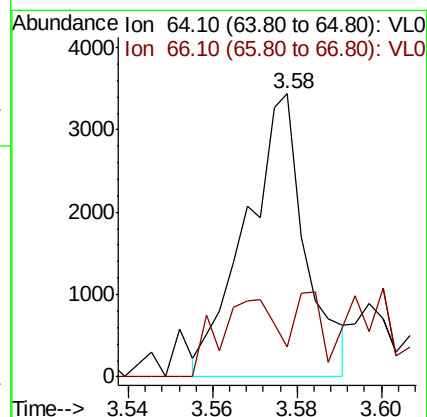
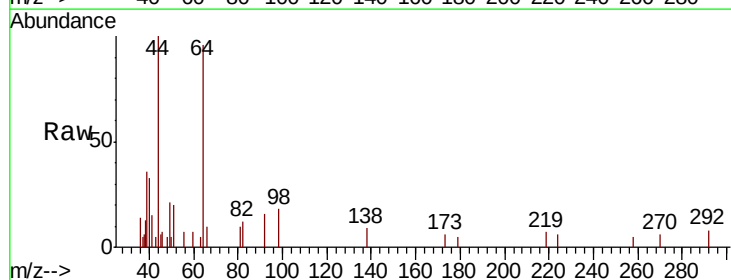
Acq: 26 Mar 2021 17:48

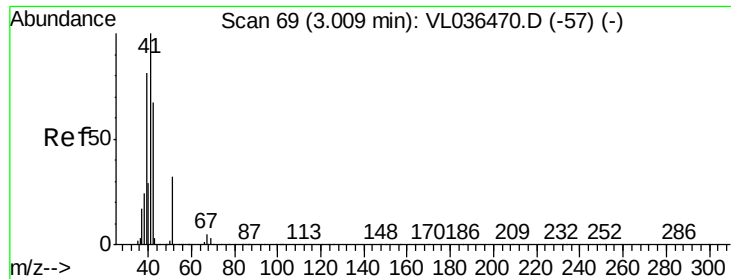
Tgt Ion: 64 Resp: 3358

Ion Ratio Lower Upper

64 100

66 10.6 26.2 39.2#





#9

Propene

Concen: 1.124 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

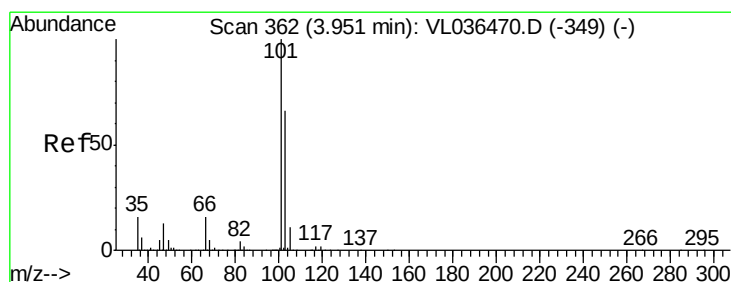
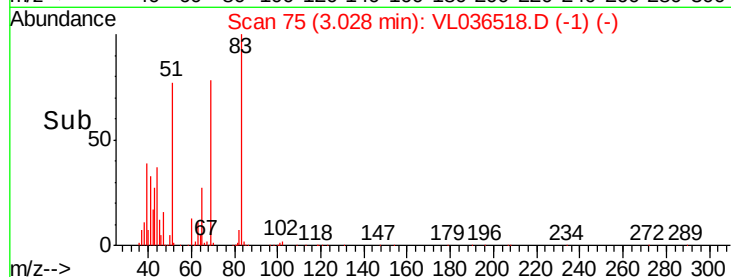
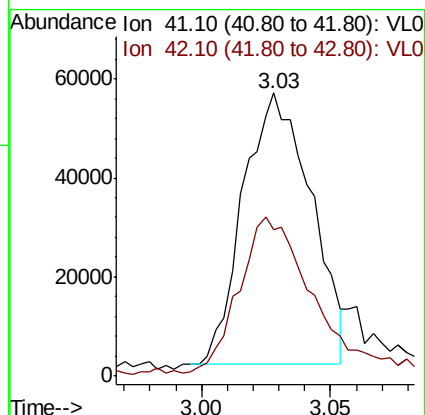
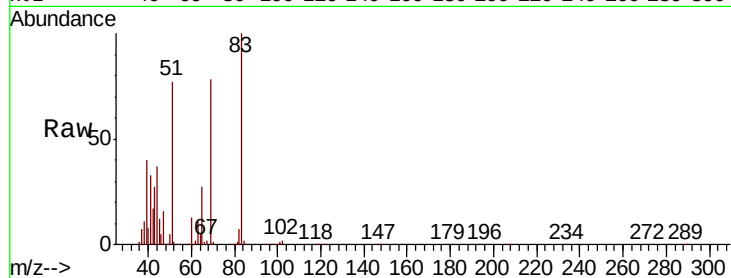
ClientSampleId :

Tot Ion: 41 Resp: 100788

Ion Ratio Lower Upper

41 100

42 67.4 57.0 85.4



#11

Trichlorofluoromethane

Concen: 0.226 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL036518.D

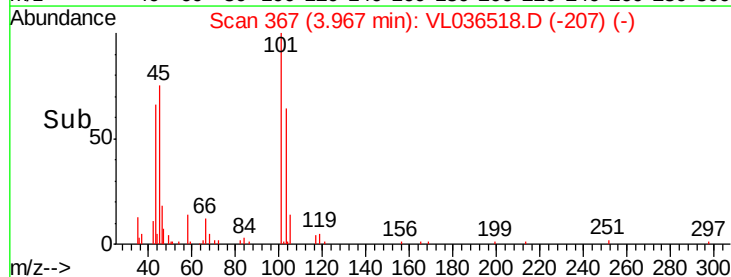
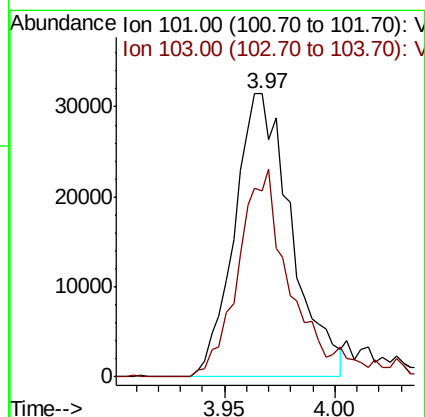
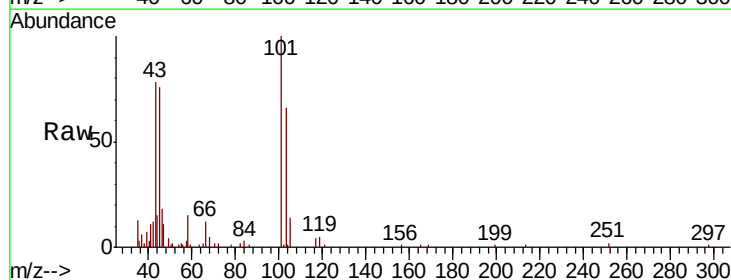
Acq: 26 Mar 2021 17:48

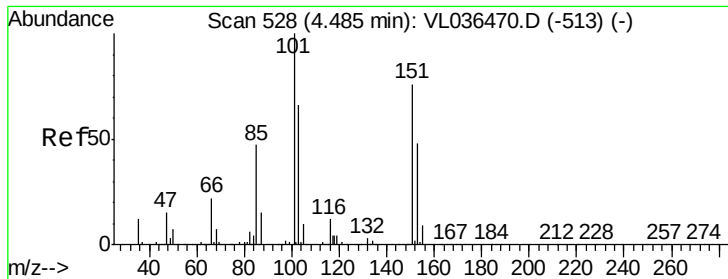
Tgt Ion: 101 Resp: 56477

Ion Ratio Lower Upper

101 100

103 65.9 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.037 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.02 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

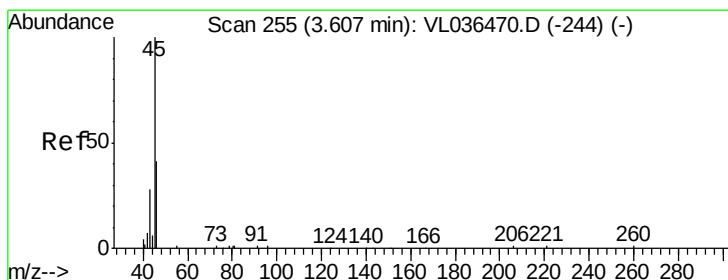
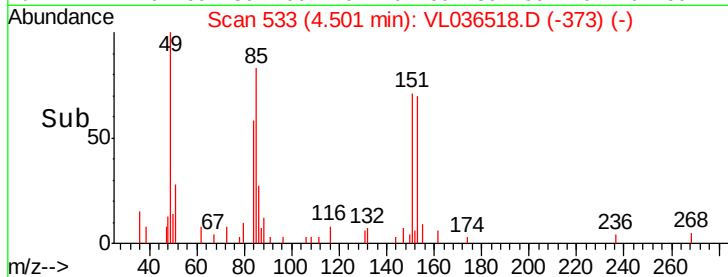
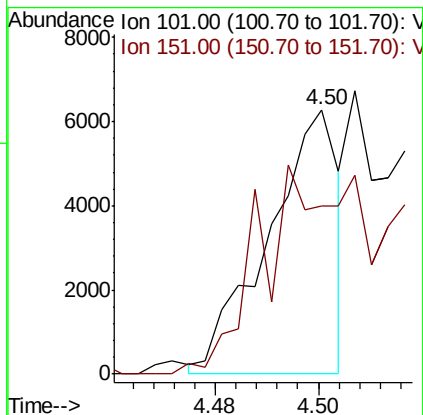
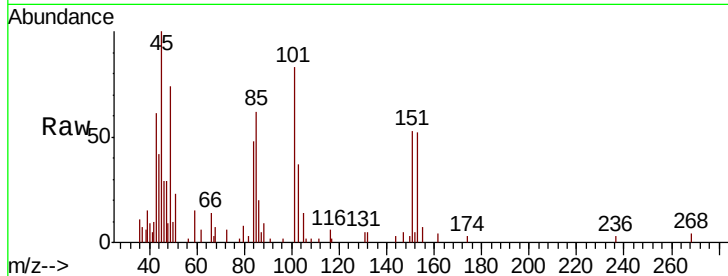
ClientSampleId :

Tot Ion:101 Resp: 5914

Ion Ratio Lower Upper

101 100

151 156.2 60.9 91.3#



#13

Ethanol

Concen: 602.880 ppbv

RT: 3.64 min Scan# 264

Delta R.T. 0.03 min

Lab File: VL036518.D

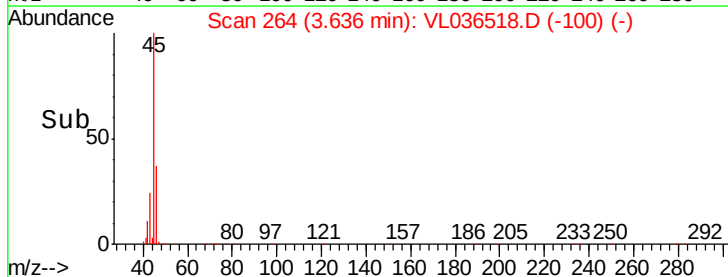
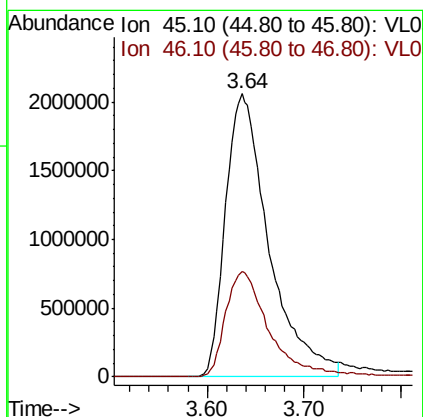
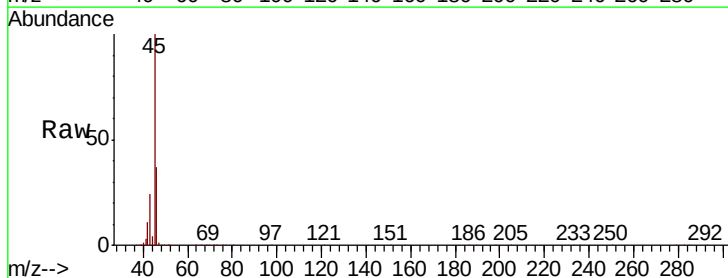
Acq: 26 Mar 2021 17:48

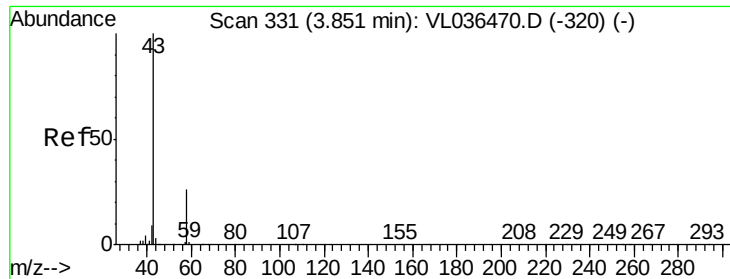
Tgt Ion: 45 Resp: 6434994

Ion Ratio Lower Upper

45 100

46 38.6 16.6 66.2

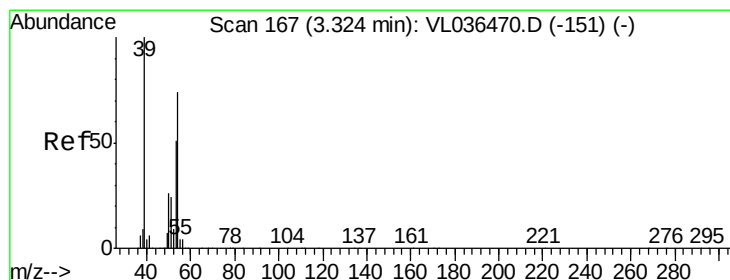
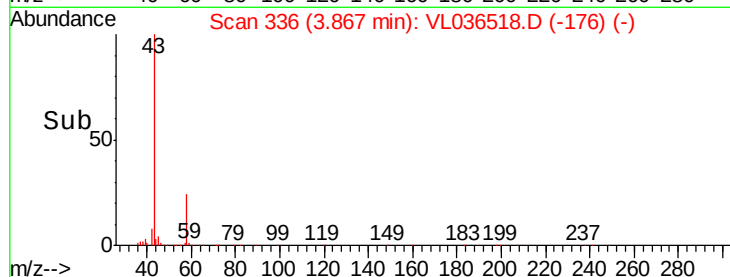
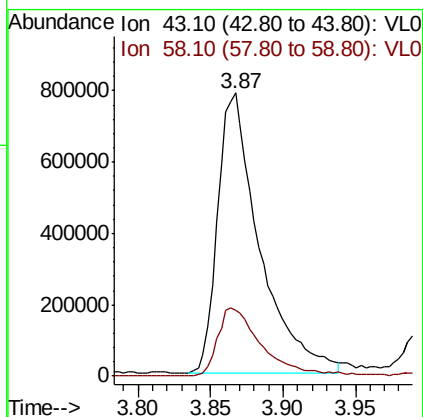
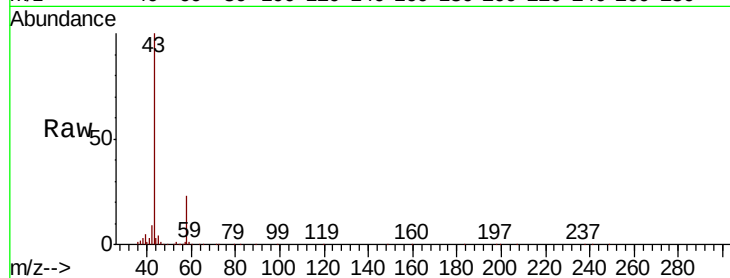




#15
Acetone
Concen: 10.653 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

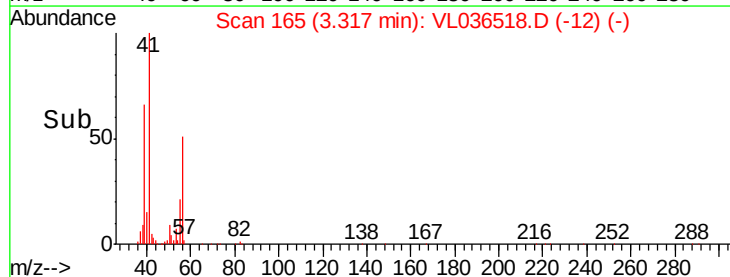
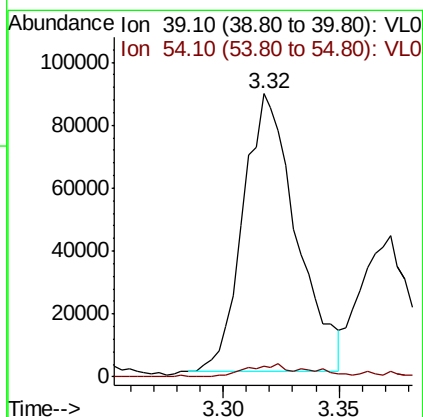
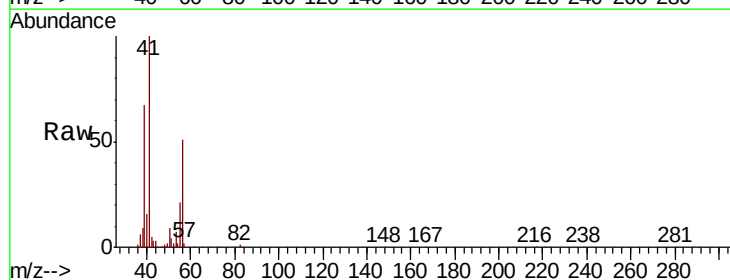
Instrument :
MSVOA_L
ClientSampleId :

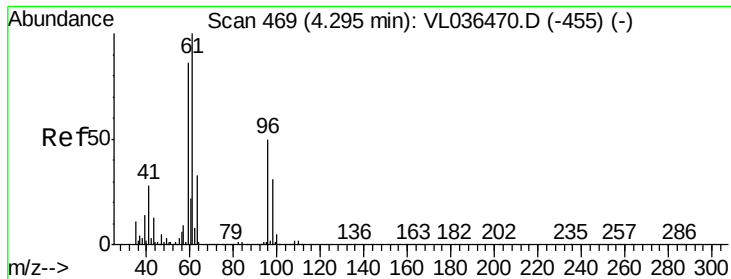
Tot Ion: 43 Resp: 1577768
Ion Ratio Lower Upper
43 100
58 26.0 21.2 31.8



#16
1,3-Butadiene
Concen: 1.369 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

Tgt Ion: 39 Resp: 141122
Ion Ratio Lower Upper
39 100
54 6.9 58.8 88.2#





#17

tert-Butyl alcohol

Concen: 0.301 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.03 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

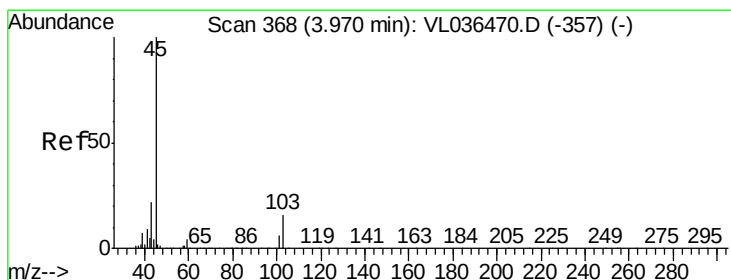
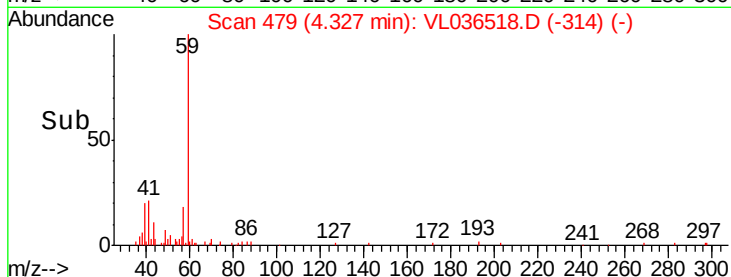
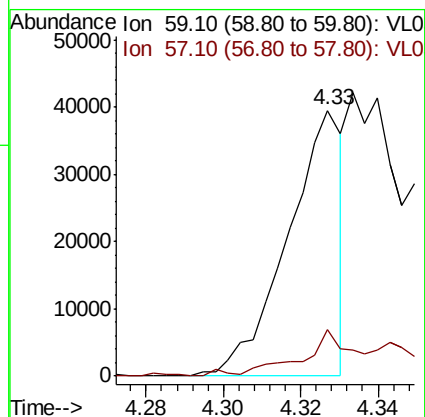
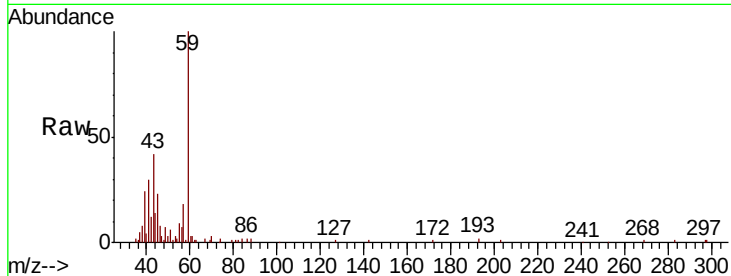
ClientSampleId :

Tot Ion: 59 Resp: 38771

Ion Ratio Lower Upper

59 100

57 38.4 8.6 12.8#



#19

Isopropyl Alcohol

Concen: 21.229 ppbv

RT: 4.01 min Scan# 379

Delta R.T. 0.04 min

Lab File: VL036518.D

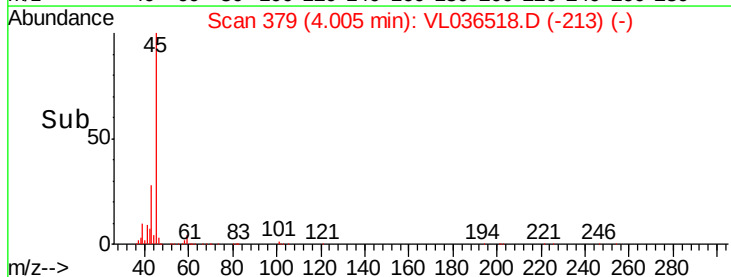
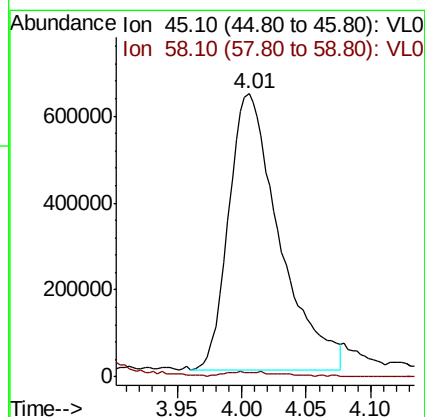
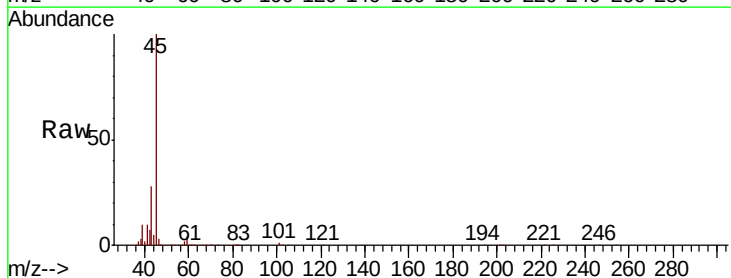
Acq: 26 Mar 2021 17:48

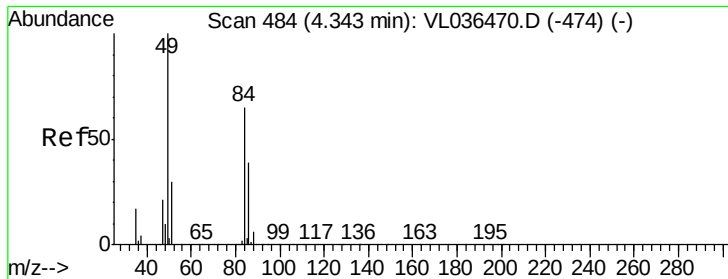
Tgt Ion: 45 Resp: 1729660

Ion Ratio Lower Upper

45 100

58 2.3 2.9 4.3#

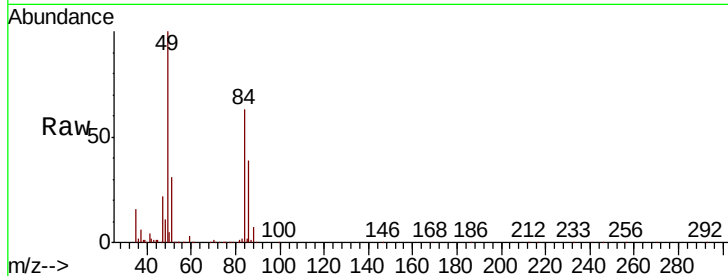




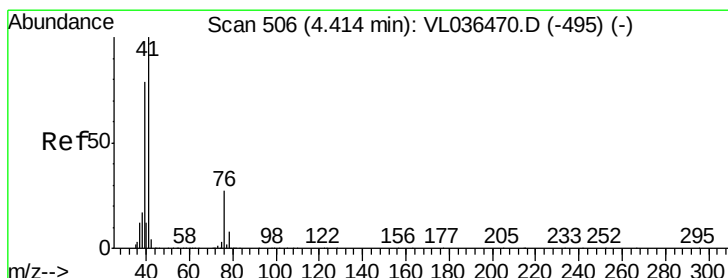
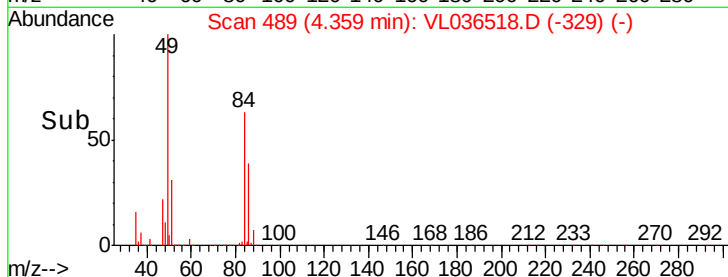
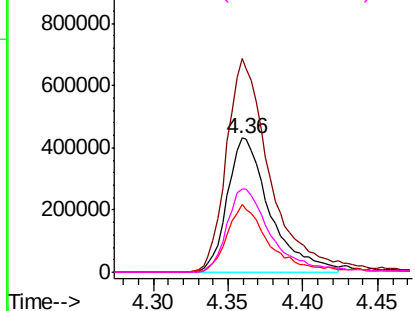
#20
Methylene Chloride
Concen: 12.377 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 858309
Ion Ratio Lower Upper
84 100
49 159.0 122.9 184.3
51 49.8 36.9 55.3
86 61.8 48.2 72.4

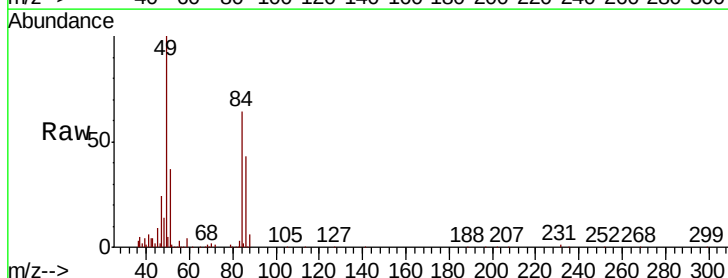


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

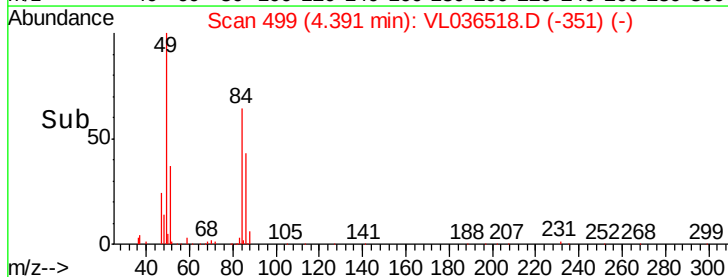
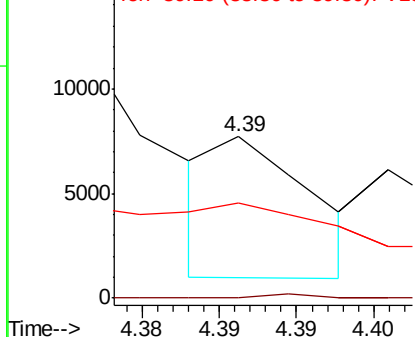


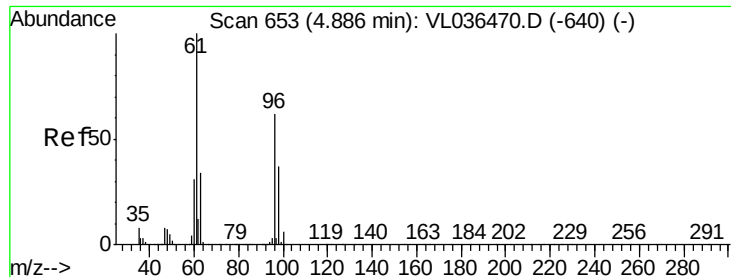
#21
Allyl Chloride
Concen: 0.024 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

Tgt Ion: 41 Resp: 2866
Ion Ratio Lower Upper
41 100
76 0.0 22.9 34.3#
39 0.0 67.3 100.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.099 ppbv

RT: 4.90 min Scan# 658

Delta R.T. 0.02 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

ClientSampleId :

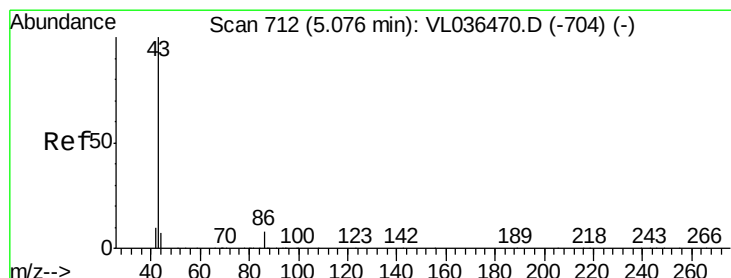
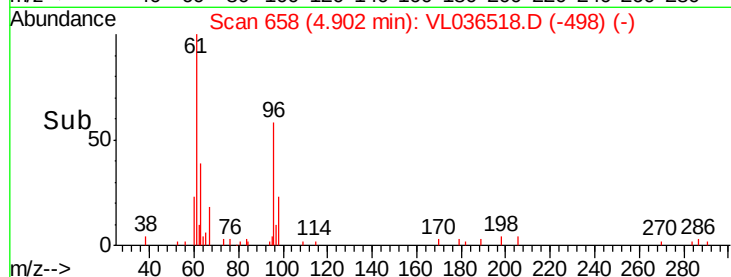
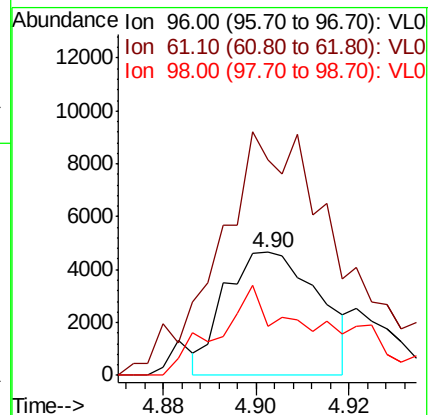
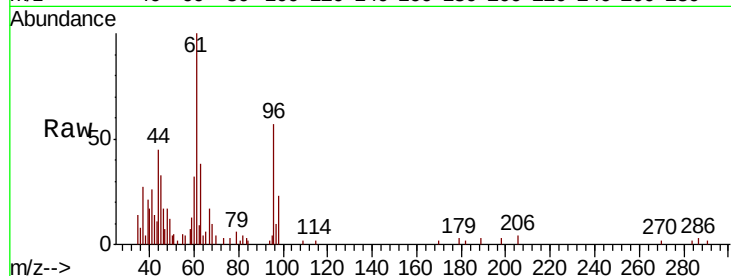
Tot Ion: 96 Resp: 6556

Ion Ratio Lower Upper

96 100

61 155.1 129.4 194.0

98 7.9 48.2 72.4#



#23

Vinyl Acetate

Concen: 0.069 ppbv

RT: 5.10 min Scan# 718

Delta R.T. 0.02 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Tgt Ion: 43 Resp: 17470

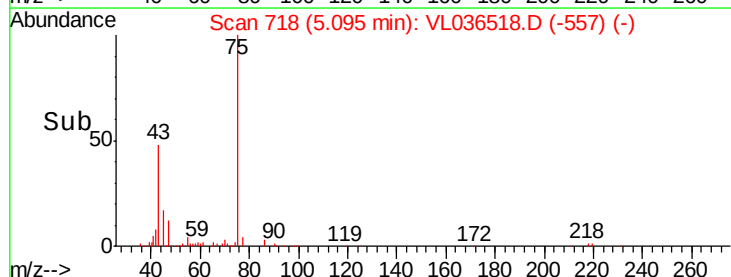
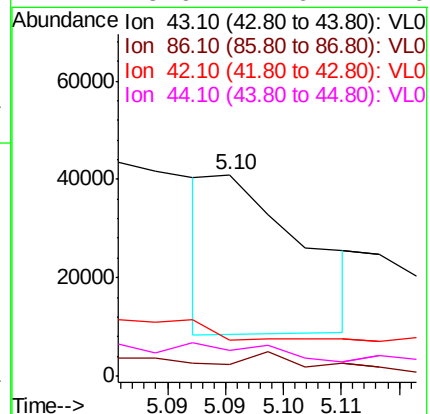
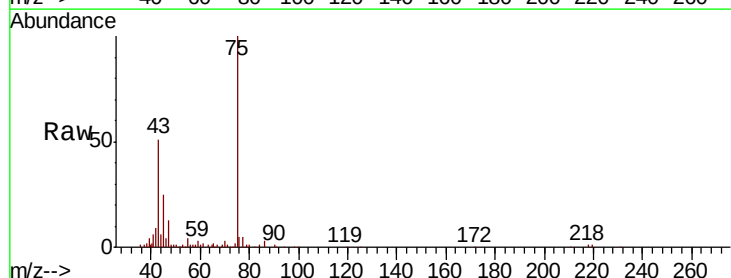
Ion Ratio Lower Upper

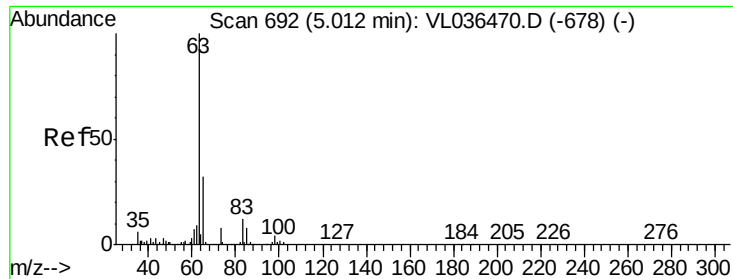
43 100

86 0.0 5.4 8.0#

42 0.0 8.5 12.7#

44 15.9 4.6 7.0#





#24

1,1-Dichloroethane

Concen: 0.144 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL036518.D

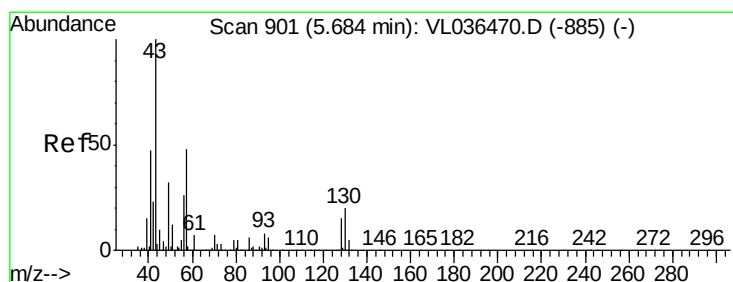
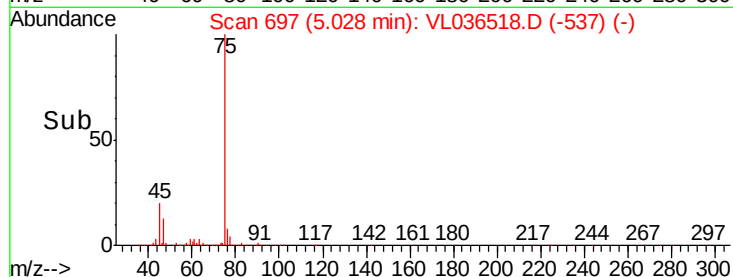
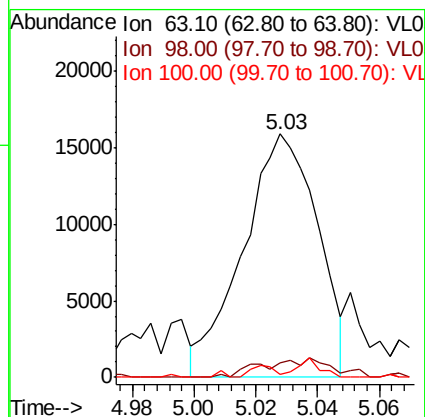
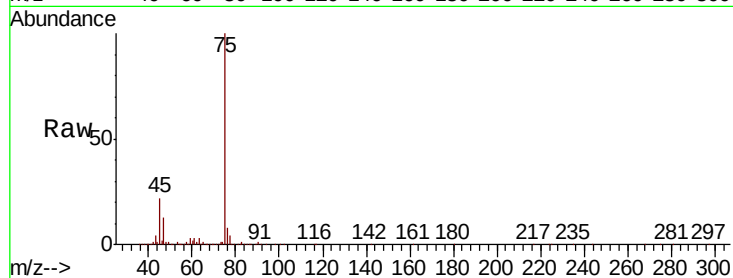
Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	26631
Ion	Ratio	Lower	Upper
63	100		
98	6.9	2.1	6.2#
100	1.6	0.9	2.8



#25

Ethyl Acetate

Concen: 4.310 ppbv

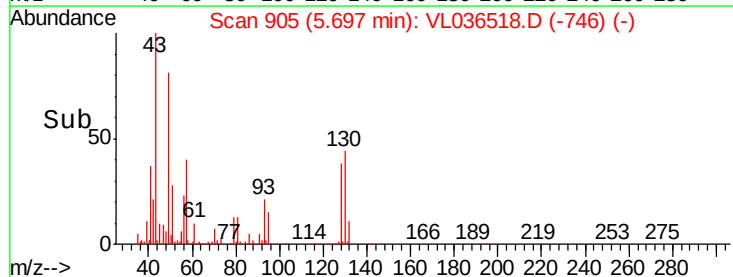
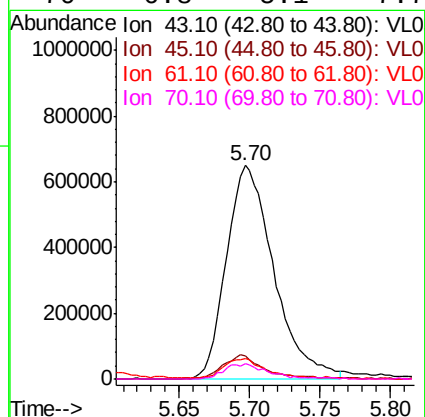
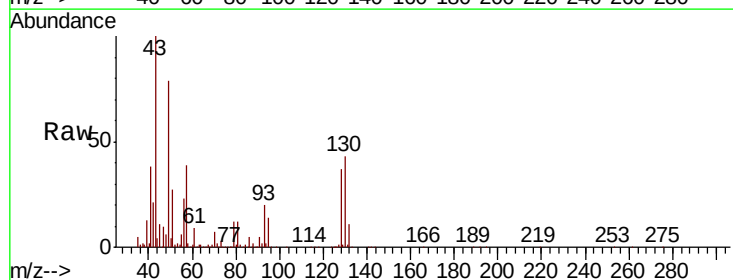
RT: 5.70 min Scan# 905

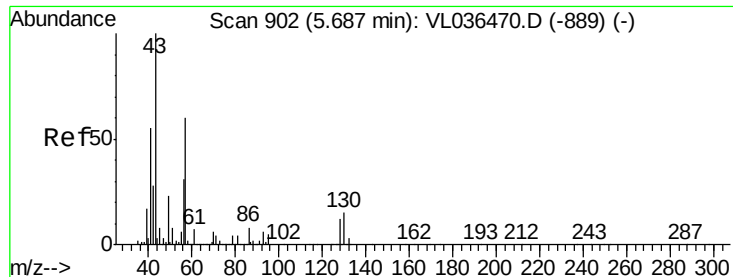
Delta R.T. 0.01 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Tgt Ion:	43	Resp:	1517697
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	8.7	7.4	11.2
70	6.8	5.1	7.7

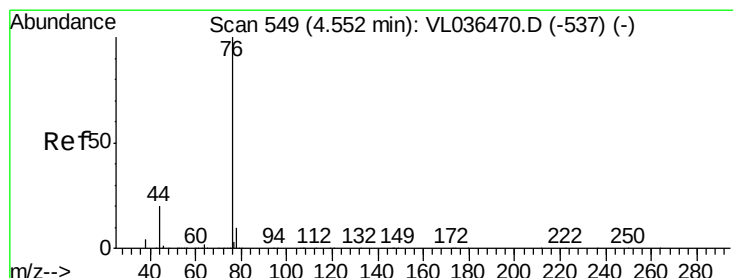
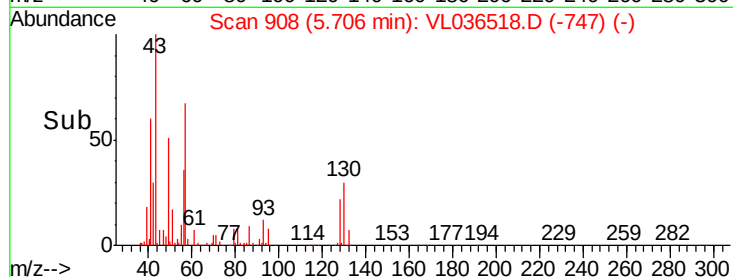
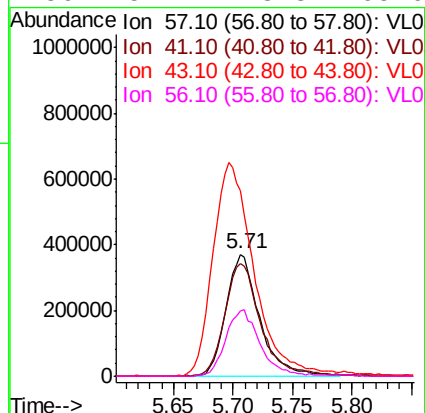
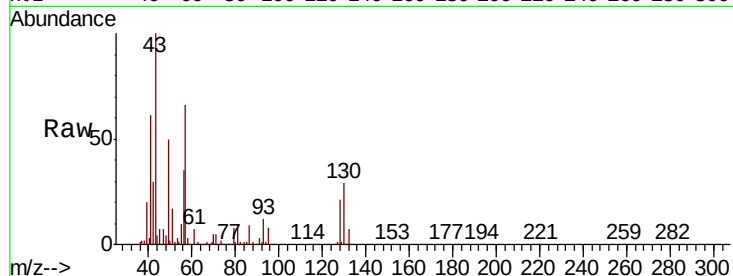




#26
Hexane
Concen: 4.407 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

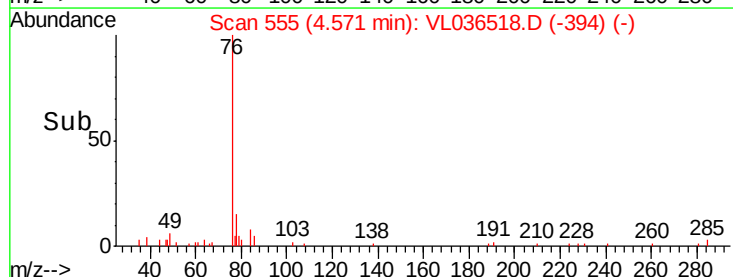
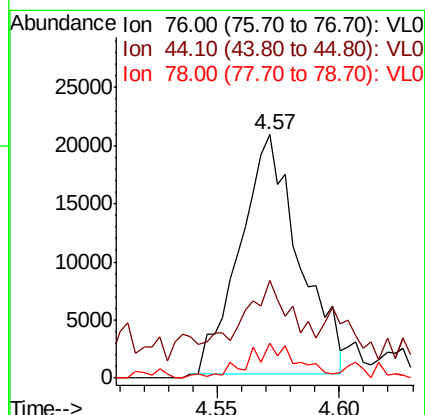
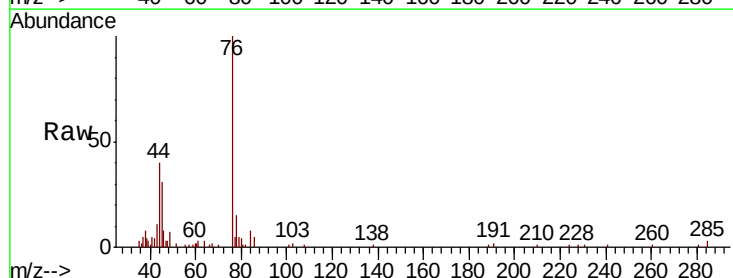
Instrument :
MSVOA_L
ClientSampled :

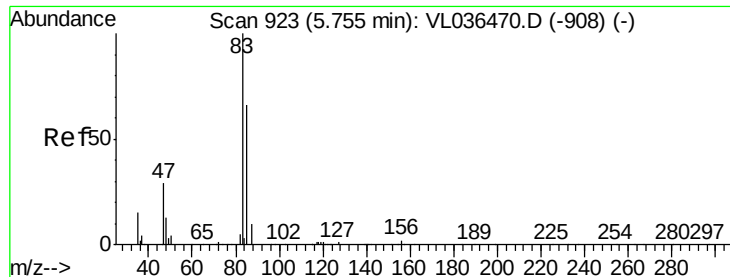
Tot Ion:	57	Resp:	720087
Ion	Ratio	Lower	Upper
57	100		
41	101.1	77.2	115.8
43	218.2	173.8	260.6
56	57.4	43.8	65.6



#27
Carbon Disulfide
Concen: 0.214 ppbv
RT: 4.57 min Scan# 555
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

Tgt Ion:	76	Resp:	34516
Ion	Ratio	Lower	Upper
76	100		
44	57.3	17.5	26.3#
78	15.4	8.6	13.0#

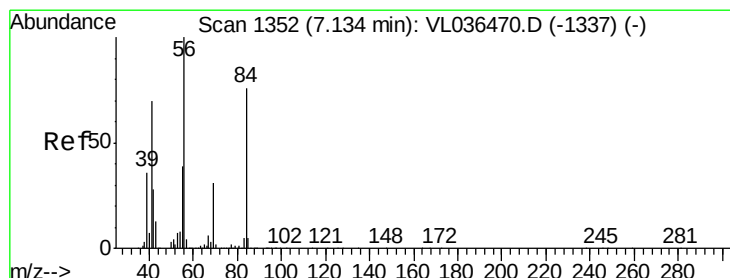
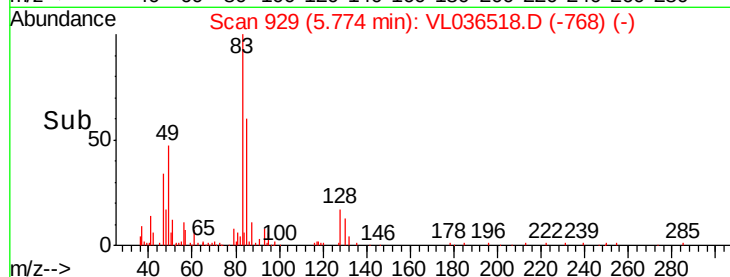
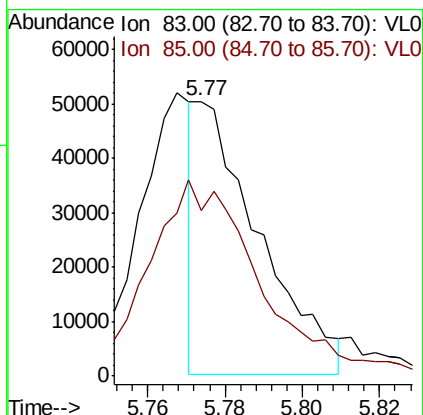
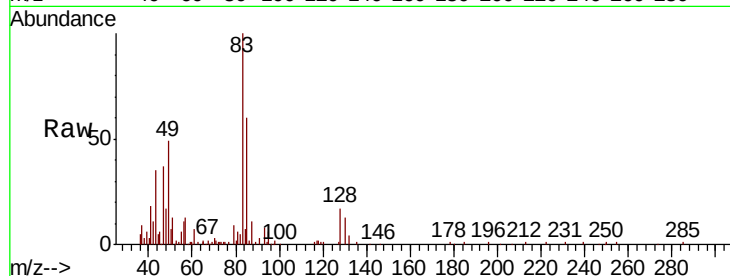




#29
Chloroform
Concen: 0.218 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

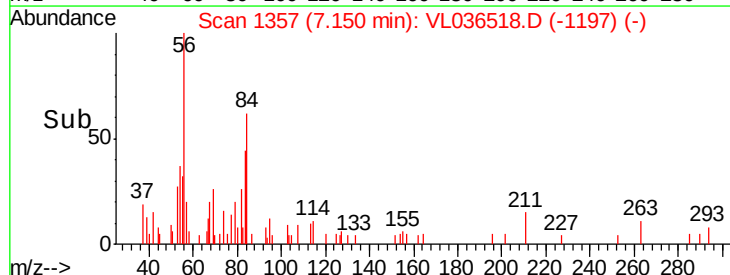
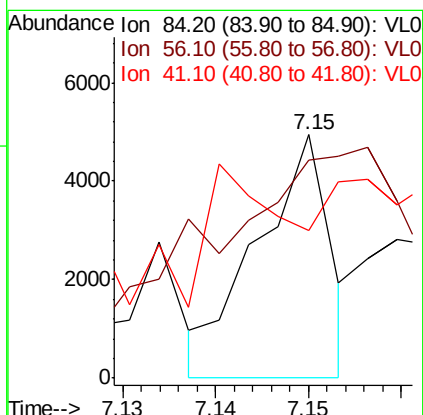
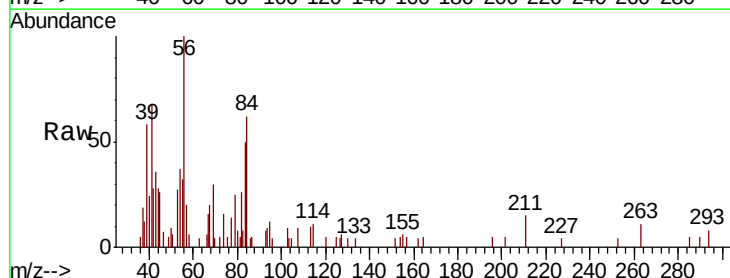
Instrument :
MSVOA_L
ClientSampleId :

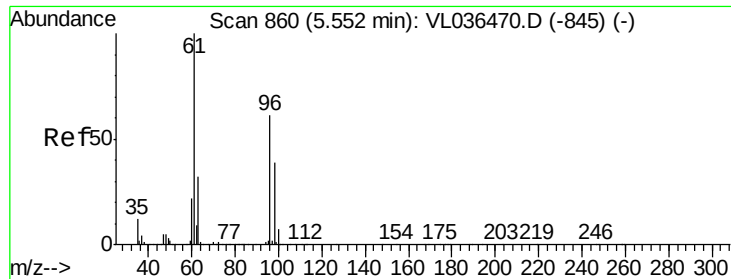
Tot Ion: 83 Resp: 56859
Ion Ratio Lower Upper
83 100
85 59.6 52.6 78.8



#30
Cyclohexane
Concen: 0.020 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

Tgt Ion: 84 Resp: 2669
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 0.0 75.3 112.9#

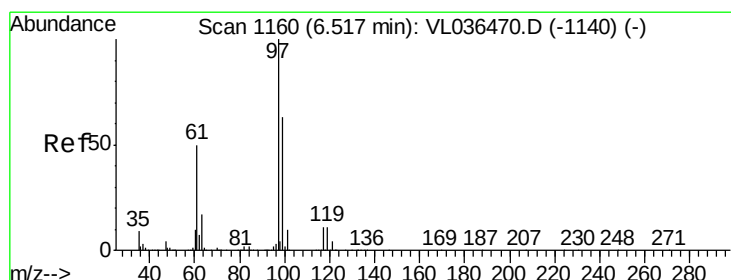
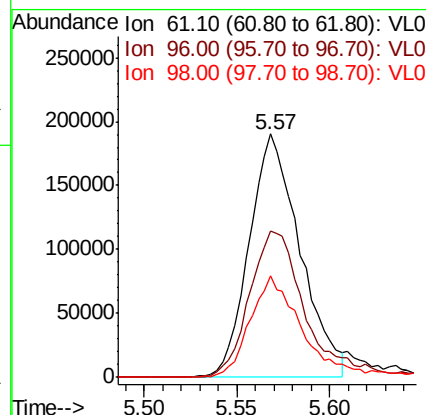
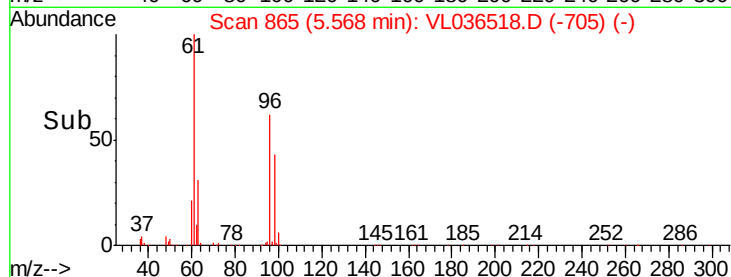
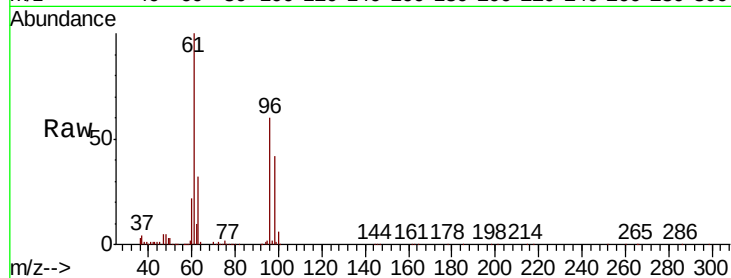




#31
 cis-1,2-Dichloroethene
 Concen: 2.297 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

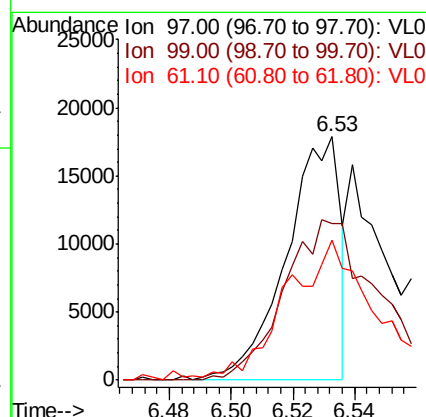
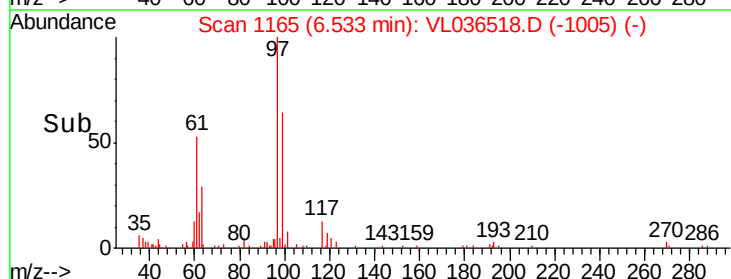
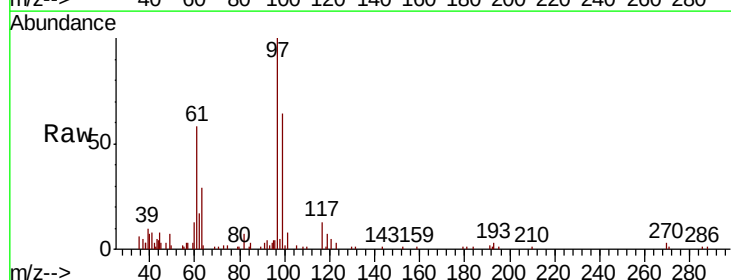
Instrument :
 MSVOA_L
 ClientSampled :

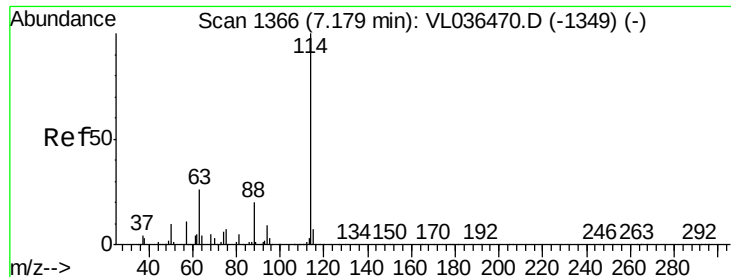
Tot Ion: 61 Resp: 362969
 Ion Ratio Lower Upper
 61 100
 96 60.3 48.7 73.1
 98 41.6 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 0.082 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.02 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

Tgt Ion: 97 Resp: 21619
 Ion Ratio Lower Upper
 97 100
 99 121.0 51.4 77.0#
 61 101.8 40.6 60.8#

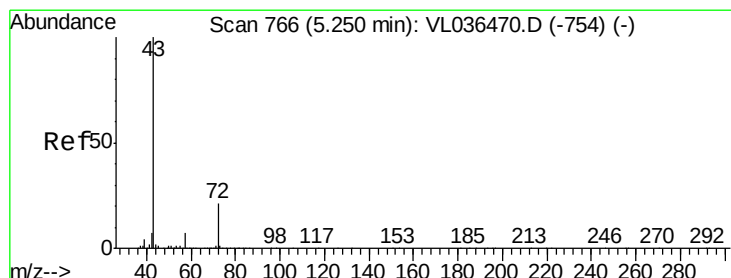
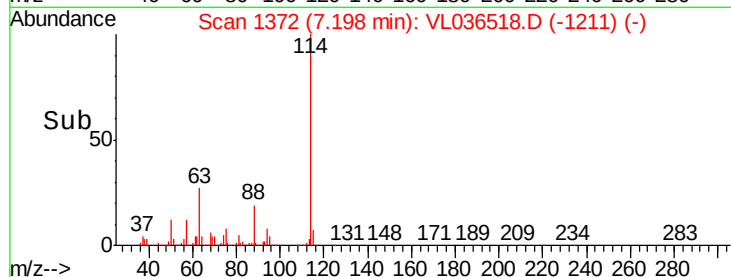
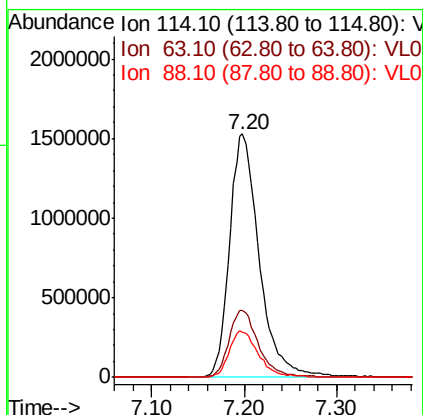
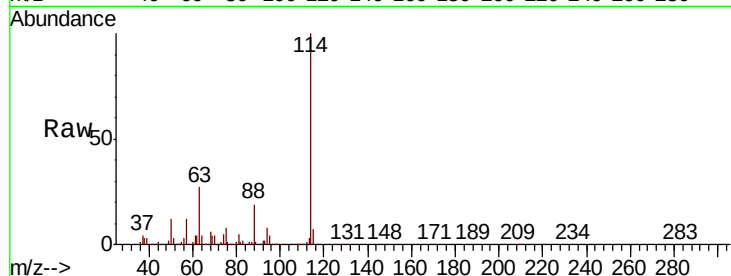




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.02 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

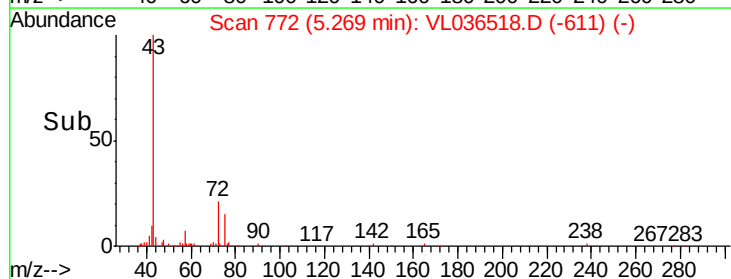
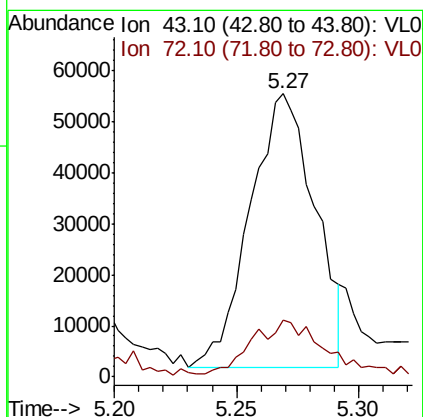
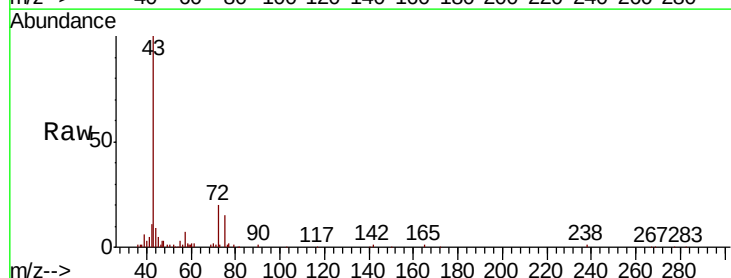
Instrument :
 MSVOA_L
 ClientSampleId :

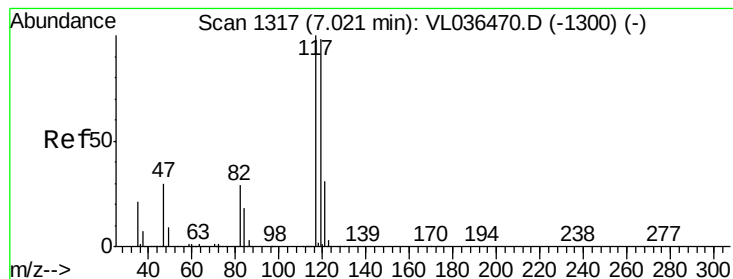
Tot Ion:114 Resp: 3389851
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.4 33.6
 88 19.1 15.4 23.0



#34
 2-Butanone
 Concen: 0.596 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.02 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

Tgt Ion: 43 Resp: 98557
 Ion Ratio Lower Upper
 43 100
 72 26.2 17.0 25.6#





#35

Carbon Tetrachloride

Concen: 0.032 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. 0.02 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

ClientSampleId :

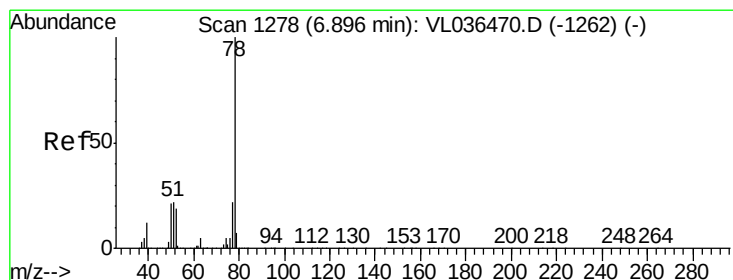
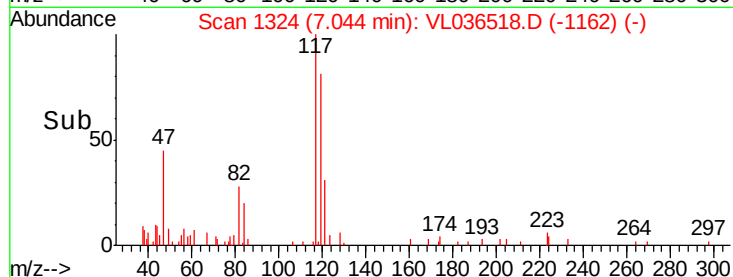
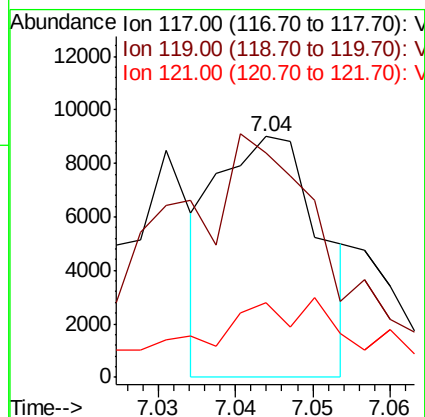
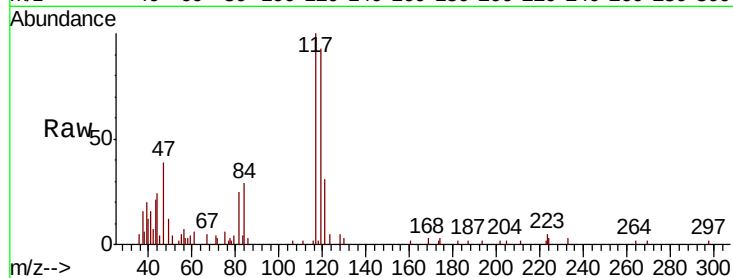
Tot Ion:117 Resp: 8413

Ion Ratio Lower Upper

117 100

119 138.5 78.2 117.2#

121 31.4 24.5 36.7



#36

Benzene

Concen: 0.188 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

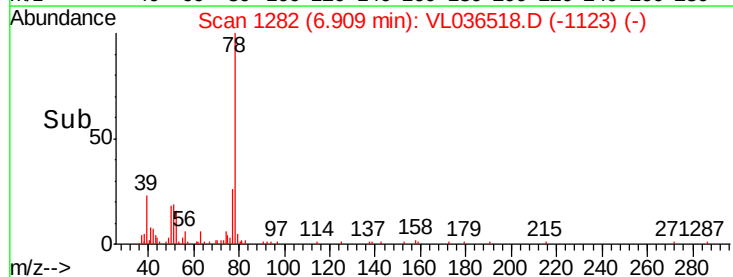
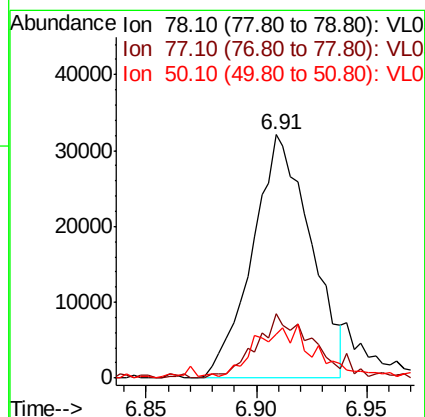
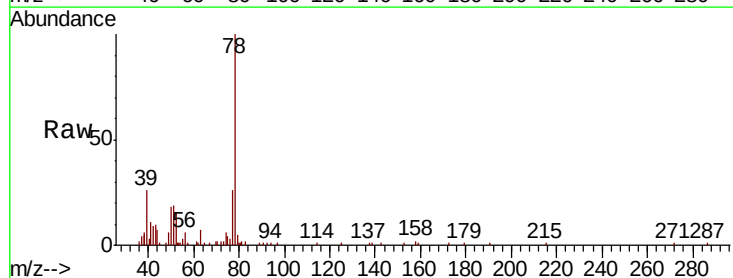
Tgt Ion: 78 Resp: 58656

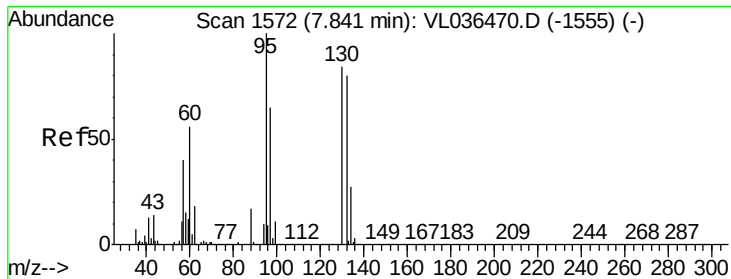
Ion Ratio Lower Upper

78 100

77 26.4 18.0 27.0

50 12.7 16.5 24.7#

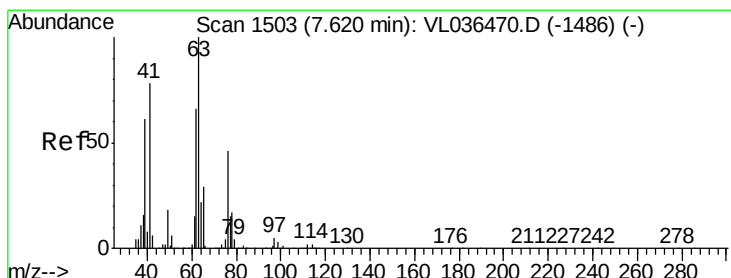
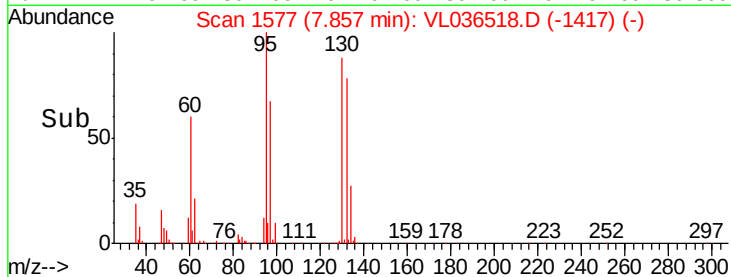
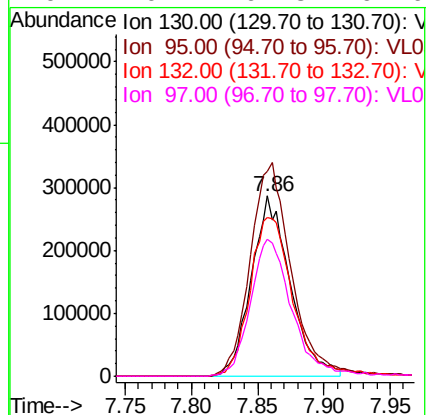
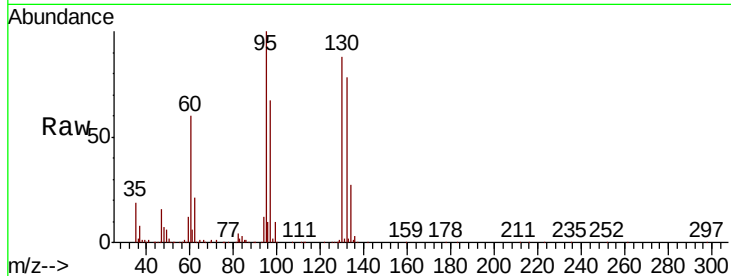




#38
 Trichloroethene
 Concen: 4.800 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

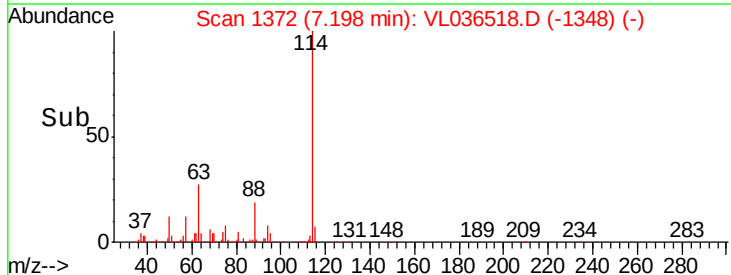
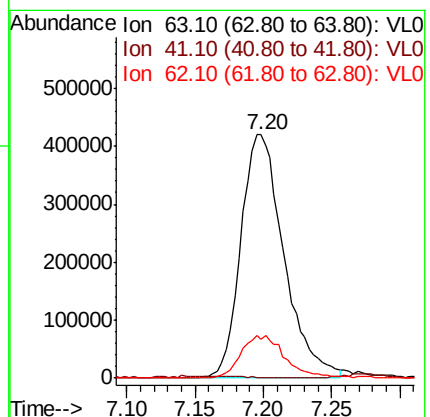
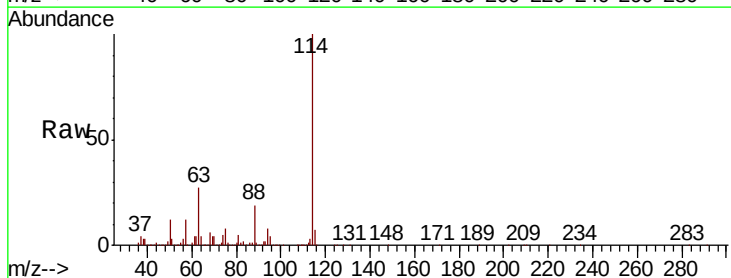
Instrument :
 MSVOA_L
 ClientSampled :

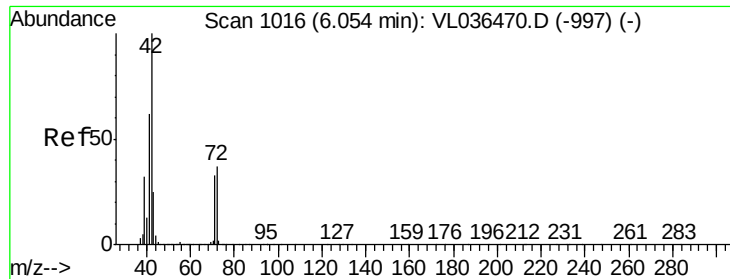
Tot Ion:130	Resp:	583997
Ion Ratio	Lower	Upper
130	100	
95	113.5	95.7 143.5
132	88.1	76.2 114.4
97	76.2	61.8 92.6



#39
 1,2-Dichloropropane
 Concen: 7.256 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.42 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

Tgt Ion: 63	Resp:	920157
Ion Ratio	Lower	Upper
63	100	
41	0.0	62.4 93.6#
62	16.0	52.8 79.2#

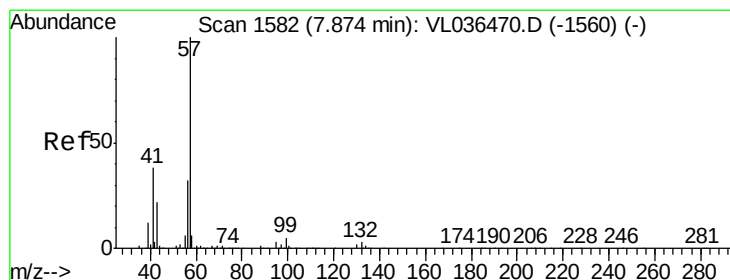
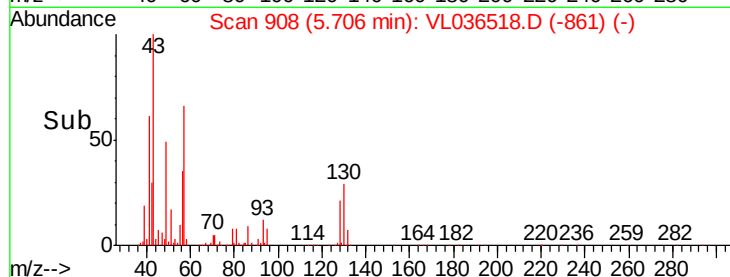
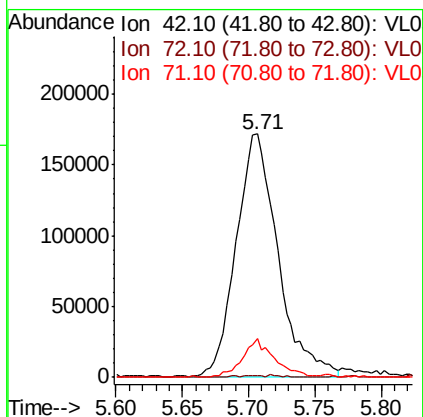
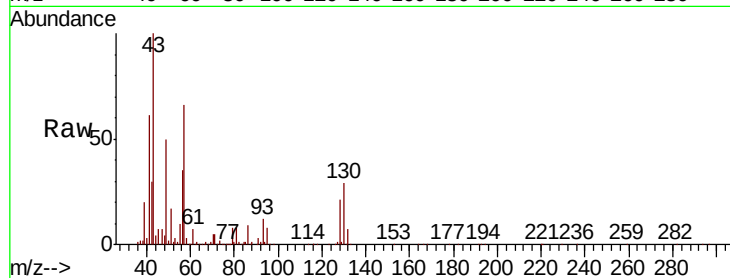




#41
Tetrahydrofuran
Concen: 4.927 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.35 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

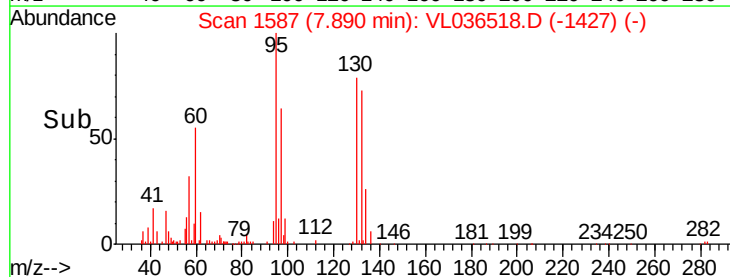
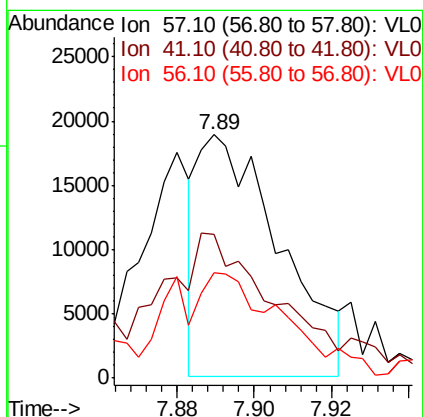
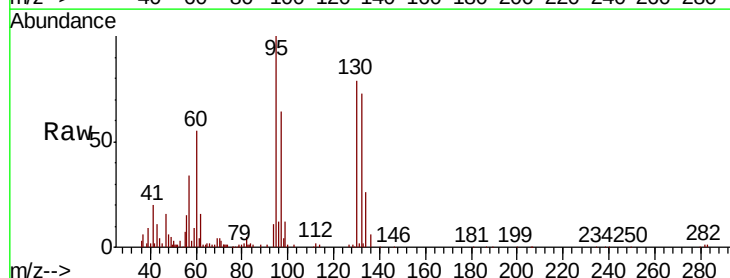
Instrument :
MSVOA_L
ClientSampleId :

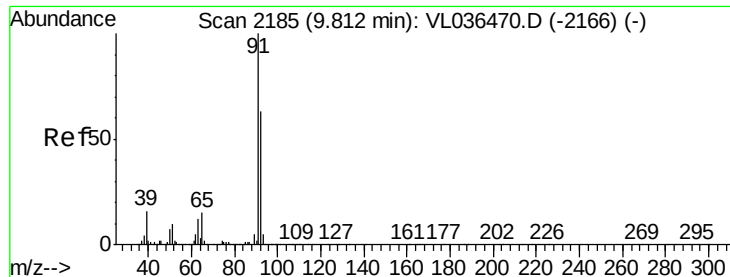
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.9	27.6	41.4#
71	13.0	27.0	40.4#



#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.5	28.8	43.2#
56	66.8	26.1	39.1#





#53

Toluene

Concen: 0.205 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.03 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

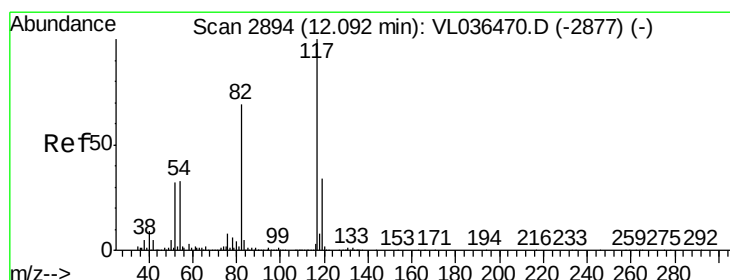
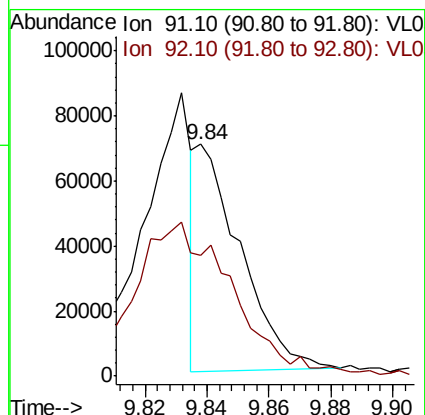
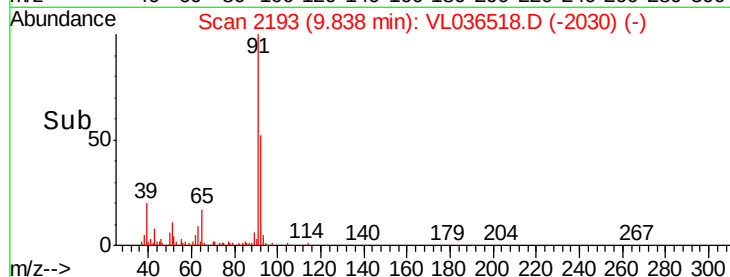
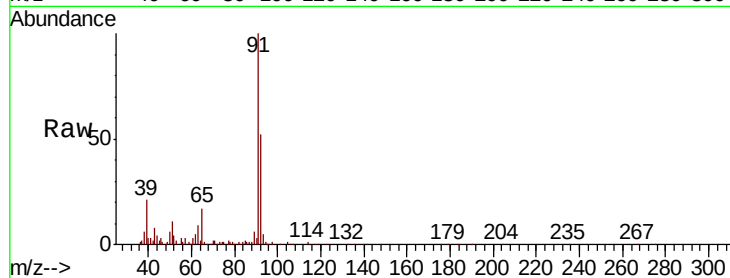
ClientSampleId :

Tot Ion: 91 Resp: 68317

Ion Ratio Lower Upper

91 100

92 0.0 48.8 73.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.02 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

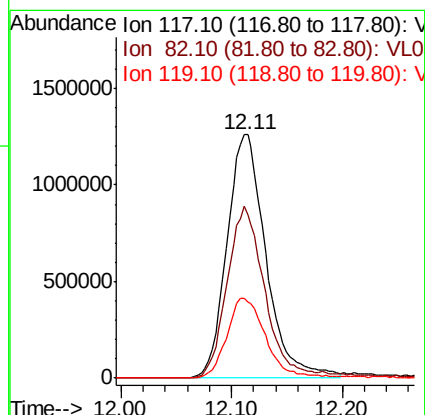
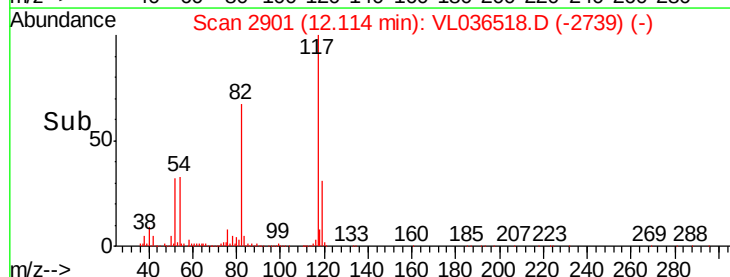
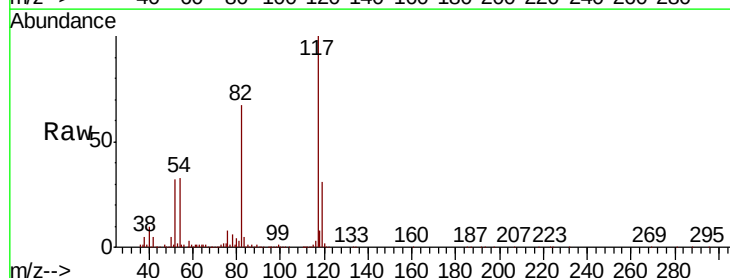
Tgt Ion: 117 Resp: 3075695

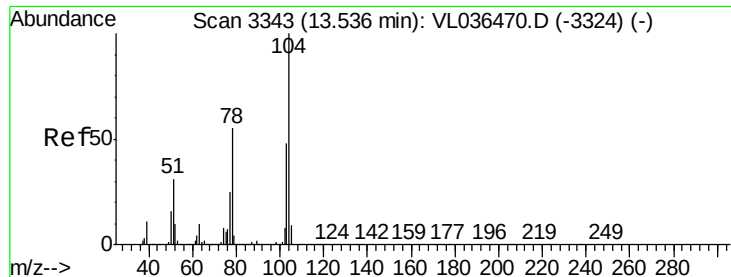
Ion Ratio Lower Upper

117 100

82 71.3 57.4 86.0

119 34.0 47.4 71.0#

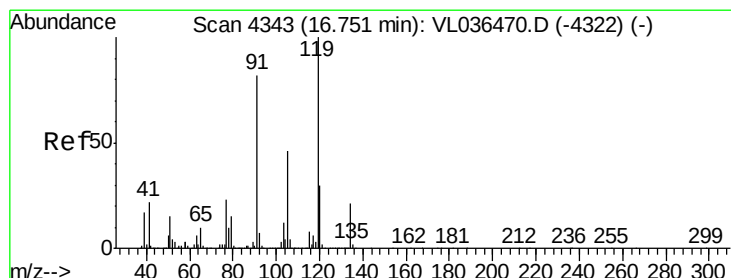
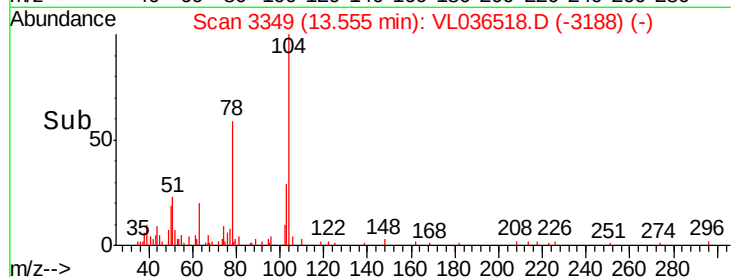
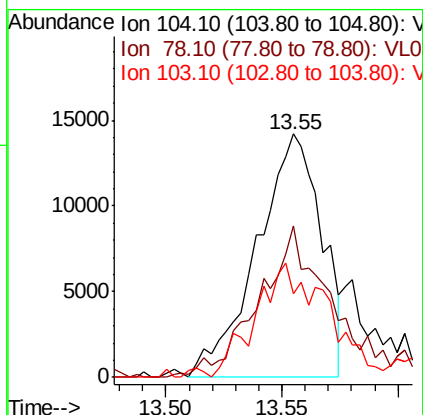
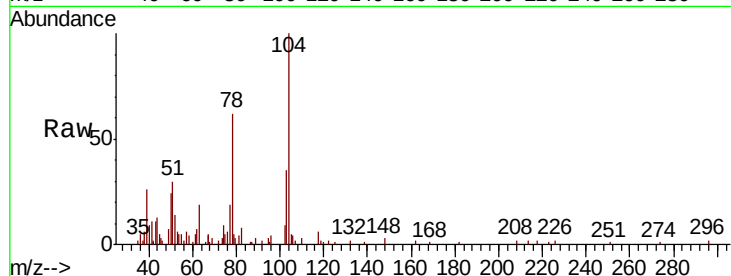




#61
Stvrene
Concen: 0.145 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.02 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

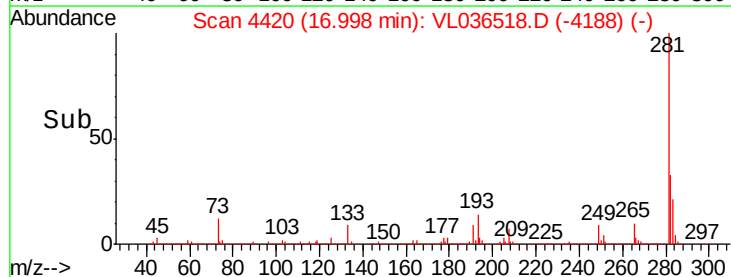
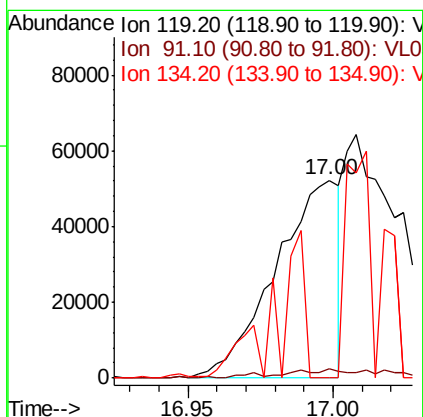
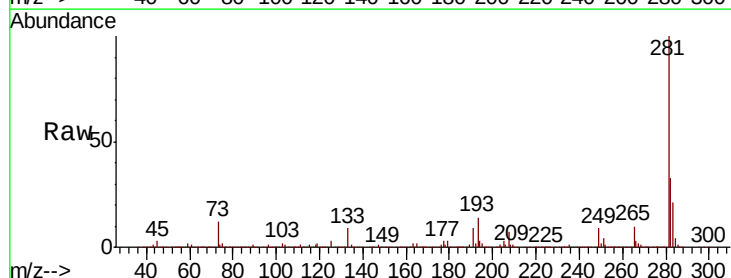
Instrument :
MSVOA_L
ClientSampleId :

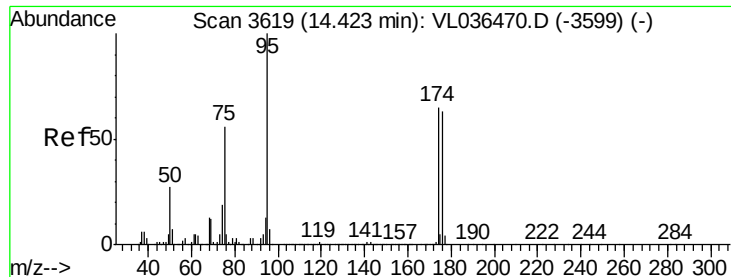
Tot Ion:104 Resp: 27561
Ion Ratio Lower Upper
104 100
78 75.5 43.8 65.8#
103 59.1 38.3 57.5#



#65
tert-Butylbenzene
Concen: 0.181 ppbv
RT: 17.00 min Scan# 4420
Delta R.T. 0.25 min
Lab File: VL036518.D
Acq: 26 Mar 2021 17:48

Tgt Ion:119 Resp: 79731
Ion Ratio Lower Upper
119 100
91 10.0 67.5 101.3#
134 0.0 15.8 23.8#

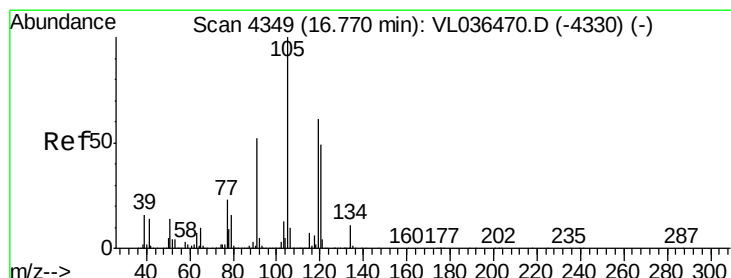
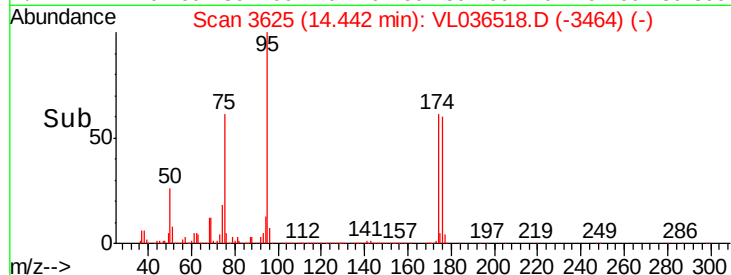
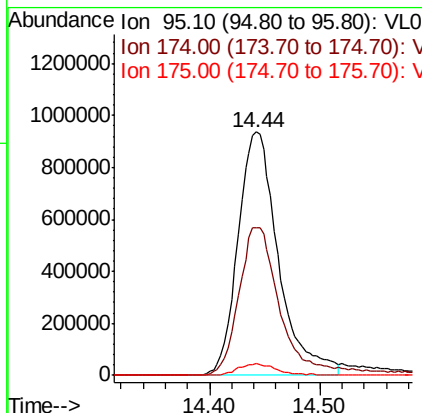
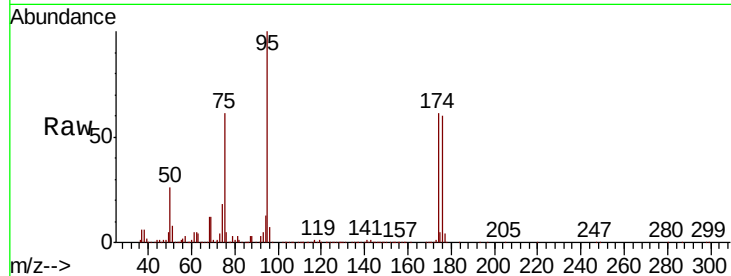




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.707 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. 0.02 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

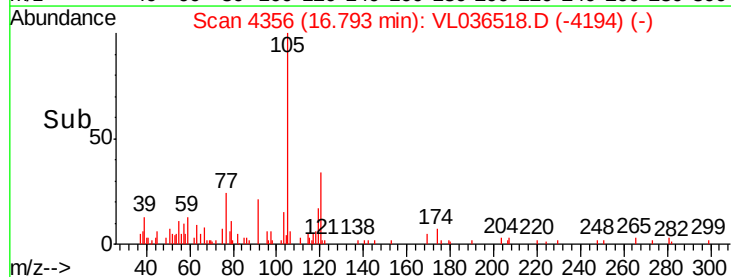
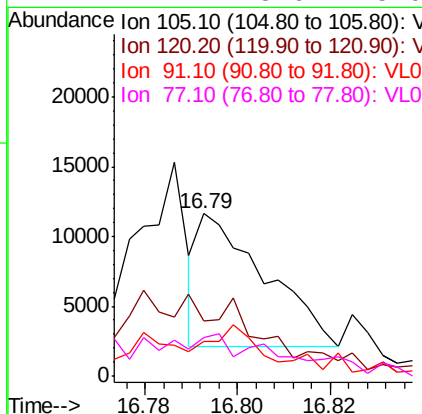
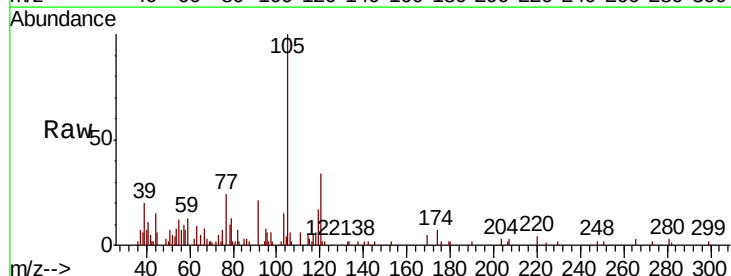
Instrument :
 MSVOA_L
 ClientSampleID :

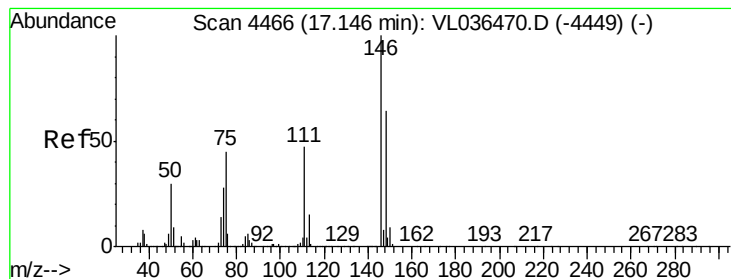
Tot Ion: 95 Resp: 2379472
 Ion Ratio Lower Upper
 95 100
 174 64.7 51.0 76.6
 175 4.9 3.9 5.9



#74
 1,2,4-Trimethylbenzene
 Concen: 0.023 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.02 min
 Lab File: VL036518.D
 Acq: 26 Mar 2021 17:48

Tgt Ion: 105 Resp: 9537
 Ion Ratio Lower Upper
 105 100
 120 29.9 39.2 58.8#
 91 8.8 42.6 64.0#
 77 14.7 18.6 28.0#





#76

1,4-Dichlorobenzene

Concen: 0.119 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.03 min

Lab File: VL036518.D

Acq: 26 Mar 2021 17:48

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 27395

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

148 0.0 33.0 98.9#

