

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036486.D
 Acq On : 25 Mar 2021 14:55
 Operator :
 Sample : M1801-02 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:50:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1592712	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3806951	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3567399	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2908398	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	24051	0.093 ppbv	90
3) Chlorodifluoromethane	3.34	51	6768	0.023 ppbv	96
4) Chloromethane	3.13	50	4161	0.040 ppbv	94
5) Vinyl Chloride	3.25	62	4296	0.040 ppbv #	79
7) Chloroethane	3.56	64	1117	0.030 ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	7979	0.032 ppbv #	64
9) Propene	3.01	41	11910	0.126 ppbv #	1
10) Heptane	8.12	43	133532	0.553 ppbv	92
11) Trichlorofluoromethane	3.95	101	22772	0.086 ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	4241	0.025 ppbv #	1
13) Ethanol	3.61	45	19232	1.702 ppbv #	34
15) Acetone	3.87	43	4849454	30.936 ppbv #	58
16) 1,3-Butadiene	3.32	39	4842	0.044 ppbv #	13
20) Methylene Chloride	4.36	84	11424	0.156 ppbv	89
23) Vinyl Acetate	5.07	43	26254	0.098 ppbv #	82
24) 1,1-Dichloroethane	5.01	63	6922	0.035 ppbv #	96
25) Ethyl Acetate	5.68	43	719010	1.929 ppbv #	78
26) Hexane	5.68	57	979545	5.664 ppbv #	47
29) Chloroform	5.74	83	765317	2.767 ppbv	97
34) 2-Butanone	5.25	43	23834	0.128 ppbv #	17
35) Carbon Tetrachloride	7.01	117	9070	0.031 ppbv #	96
38) Trichloroethene	7.83	130	14033	0.103 ppbv #	52
39) 1,2-Dichloropropane	7.17	63	1026233	7.205 ppbv #	23
41) Tetrahydrofuran	5.74	42	3993	0.047 ppbv #	1
43) Methyl Methacrylate	8.02	69	2548	0.022 ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	39602	0.064 ppbv #	6
50) 4-Methyl-2-Pentanone	8.75	43	7018	0.026 ppbv #	1
51) 2-Hexanone	10.11	43	441937	3.257 ppbv #	58
52) Tetrachloroethene	11.22	164	3278018	25.354 ppbv	98
53) Toluene	9.80	91	375169	1.003 ppbv	100
57) Chlorobenzene	12.15	112	201896	0.665 ppbv #	38
58) Ethyl Benzene	12.71	91	781415	1.506 ppbv	94
59) m/p-Xylene	12.97	91	1594917	3.523 ppbv	96
60) o-Xylene	13.69	91	651342	1.488 ppbv	93
61) Styrene	13.53	104	154599	0.702 ppbv #	84
62) Isopropylbenzene	14.67	105	240714	0.408 ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	340887	1.021 ppbv #	51
64) n-propylbenzene	15.57	120	104290	0.724 ppbv	69
65) tert-Butylbenzene	16.74	119	15345	0.030 ppbv #	17
66) Benzyl Chloride	16.99	91	5159	0.091 ppbv #	66
67) sec-Butylbenzene	17.30	105	252071	0.349 ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036486.D
 Acq On : 25 Mar 2021 14:55
 Operator :
 Sample : M1801-02 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:50:26 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

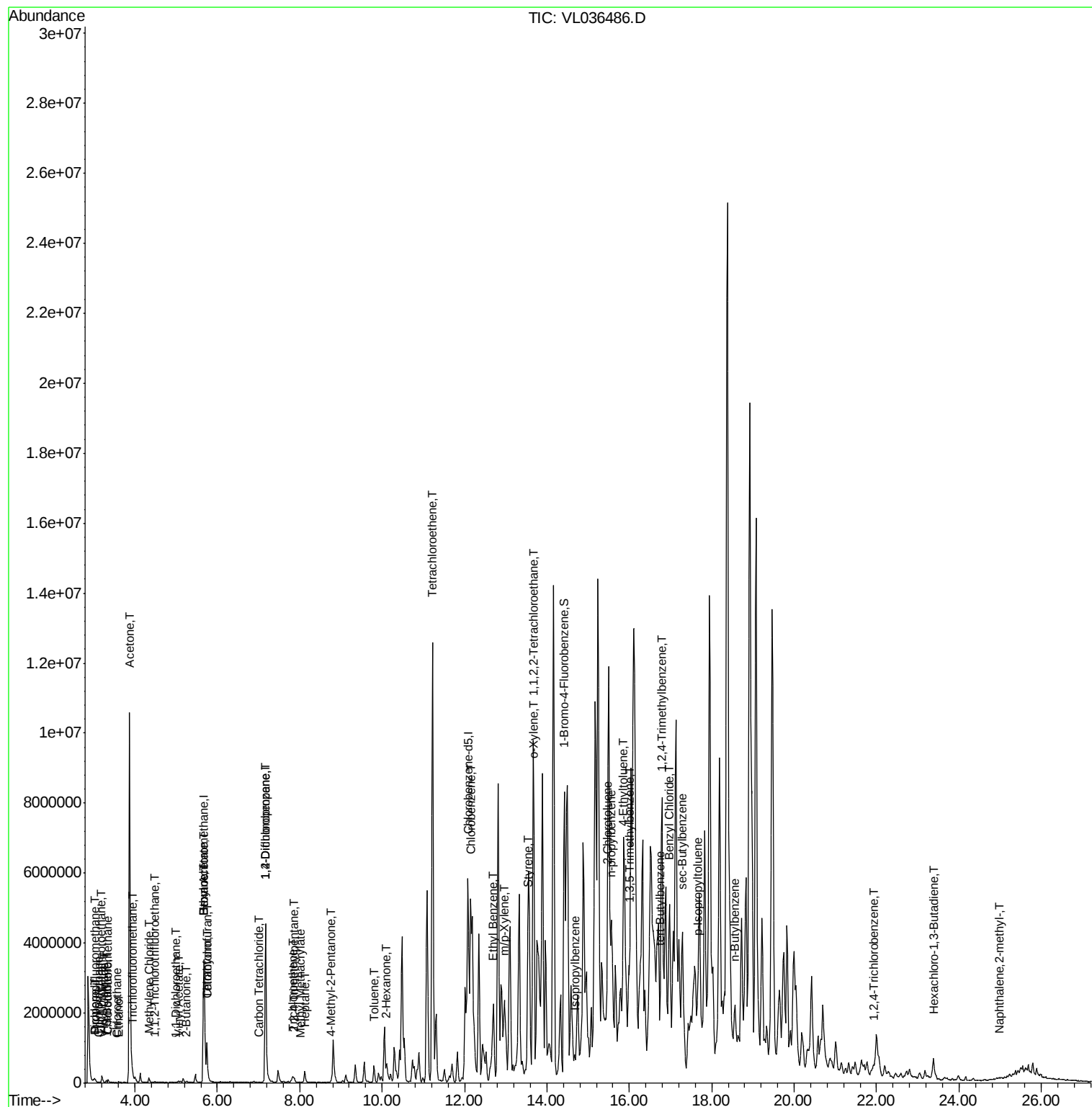
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.66	119	49609	0.088	ppbv #	36
70) n-Butylbenzene	18.55	91	21172	0.036	ppbv #	33
71) 2-Chlorotoluene	15.46	91	18148	0.041	ppbv #	1
72) 4-Ethyltoluene	15.85	105	358970	0.748	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.00	105	288067	0.644	ppbv	91
74) 1,2,4-Trimethylbenzene	16.77	105	707379	1.477	ppbv #	68
78) Hexachloro-1,3-Butadiene	23.37	225	7617	0.034	ppbv #	32
80) Naphthalene,2-methyl-	24.99	142	7171	0.130	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	3496	0.020	ppbv #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
Data File : VL036486.D
Acq On : 25 Mar 2021 14:55
Operator :
Sample : M1801-02 4X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 26 03:50:26 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 14:55

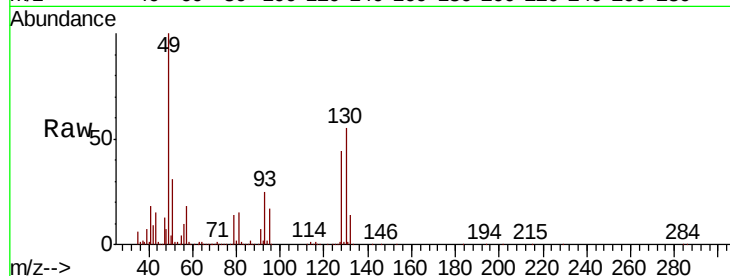
Tot Ion: 49 Resp: 1592712

Ion Ratio Lower Upper

49 100

128 46.1 23.5 70.6

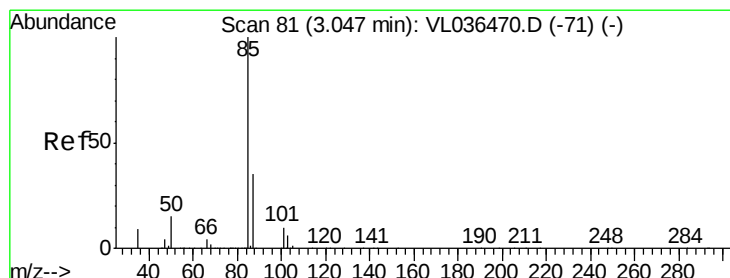
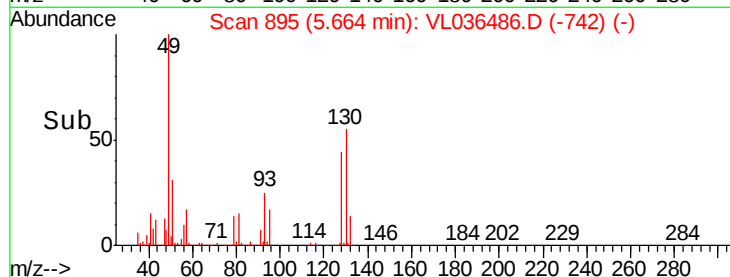
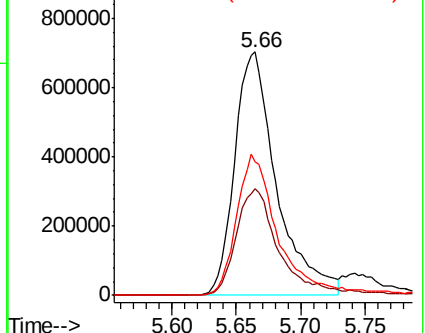
130 58.4 29.1 87.4



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: 0.093 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036486.D

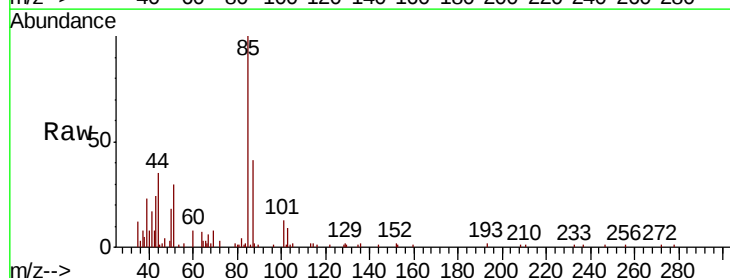
Acq: 25 Mar 2021 14:55

Tgt Ion: 85 Resp: 24051

Ion Ratio Lower Upper

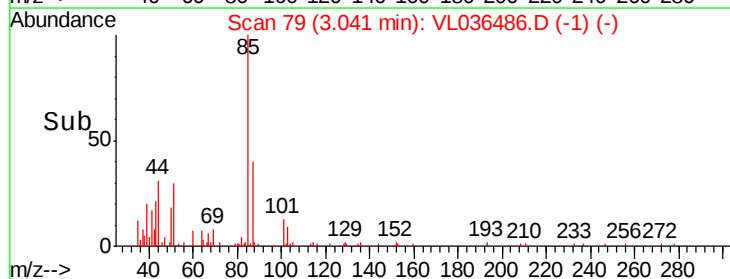
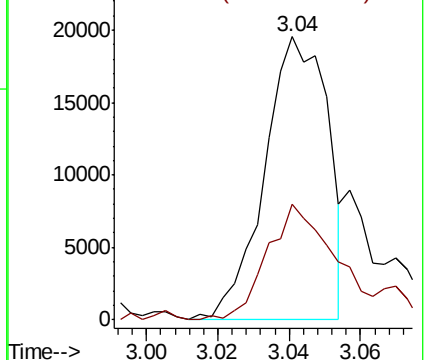
85 100

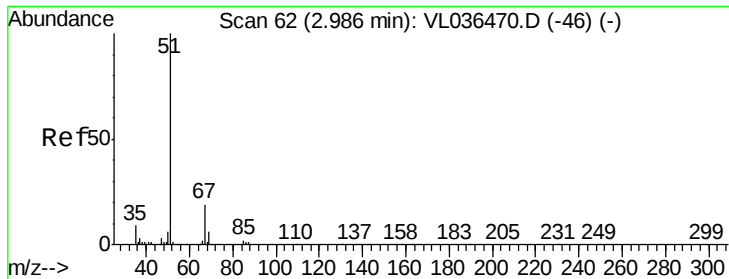
87 40.7 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.023 ppbv

RT: 3.34 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

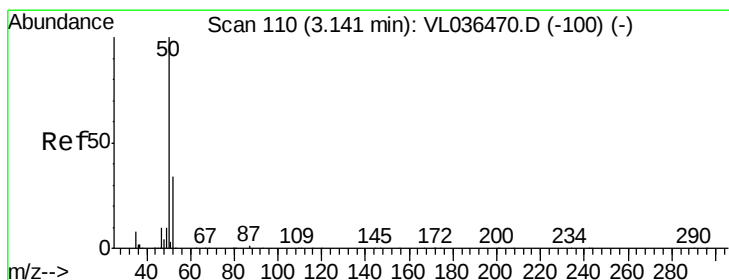
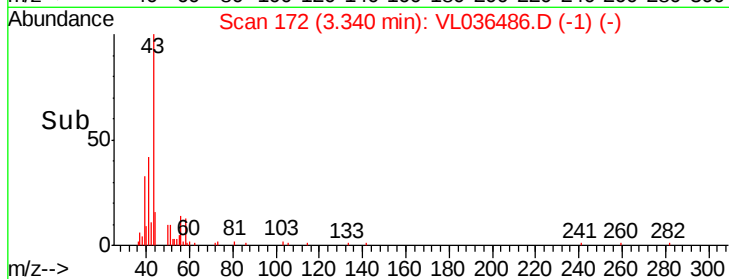
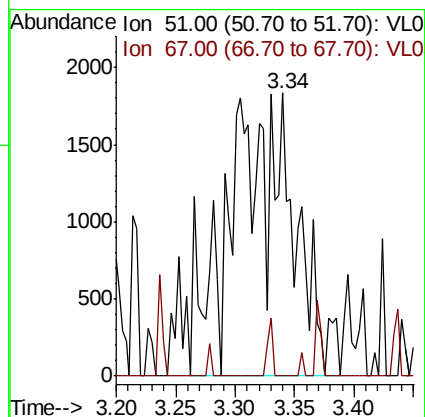
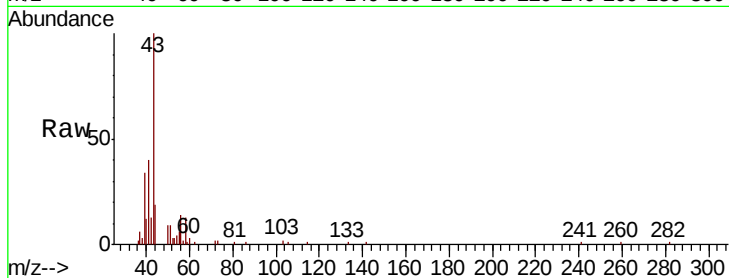
Acq: 25 Mar 2021 14:55

Tot Ion: 51 Resp: 6768

Ion Ratio Lower Upper

51 100

67 16.8 14.7 22.1



#4

Chloromethane

Concen: 0.040 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036486.D

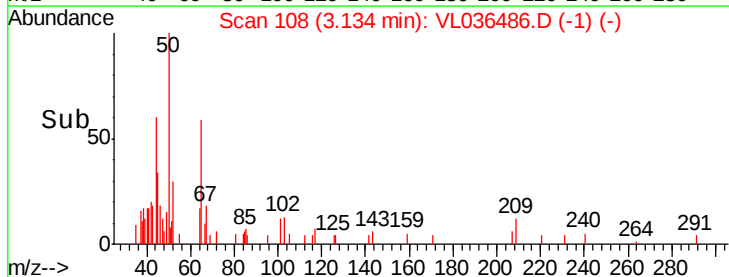
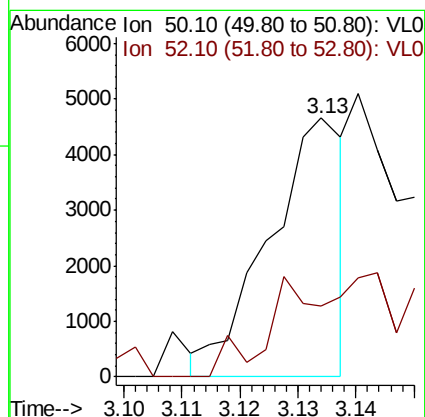
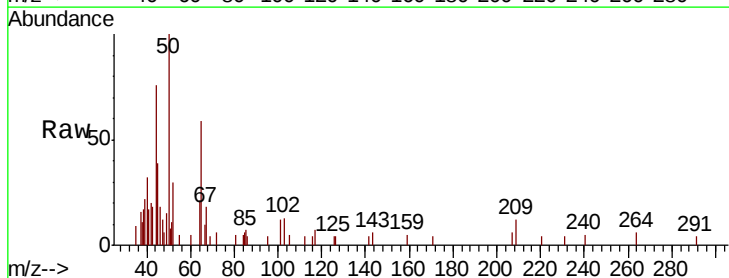
Acq: 25 Mar 2021 14:55

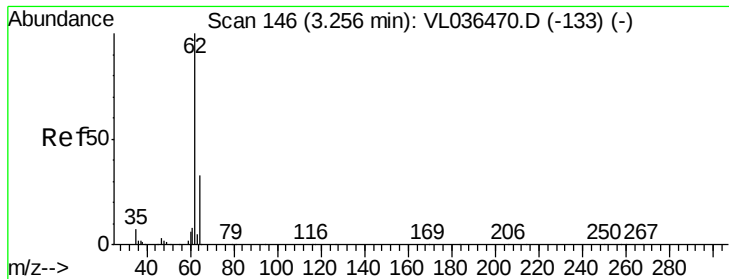
Tgt Ion: 50 Resp: 4161

Ion Ratio Lower Upper

50 100

52 30.2 27.0 40.6





#5

Vinyl Chloride

Concen: 0.040 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

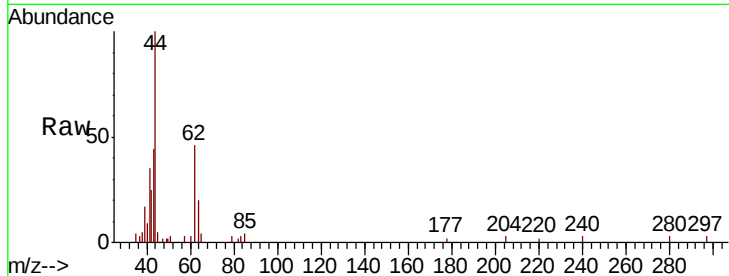
Acq: 25 Mar 2021 14:55

Tot Ion: 62 Resp: 4296

Ion Ratio Lower Upper

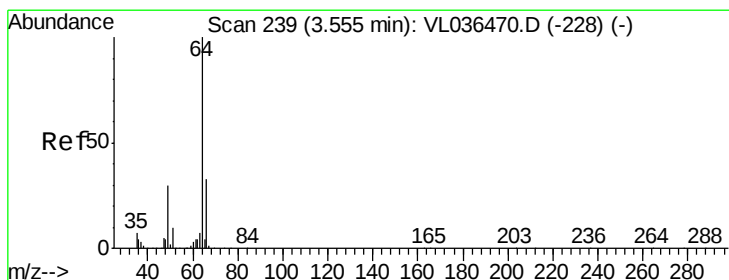
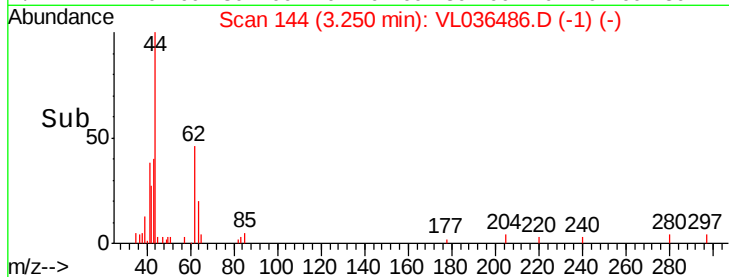
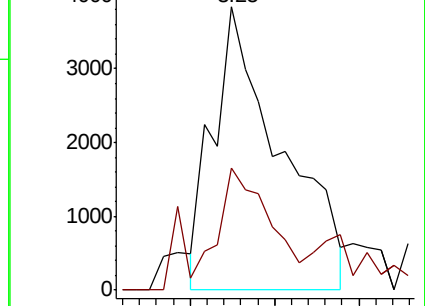
62 100

64 44.6 26.4 39.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.030 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL036486.D

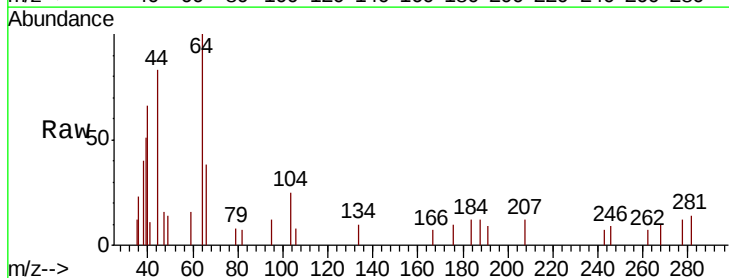
Acq: 25 Mar 2021 14:55

Tgt Ion: 64 Resp: 1117

Ion Ratio Lower Upper

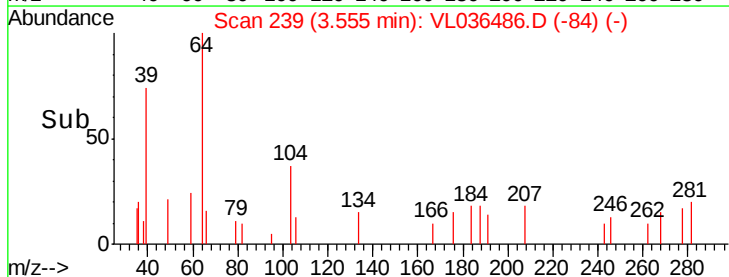
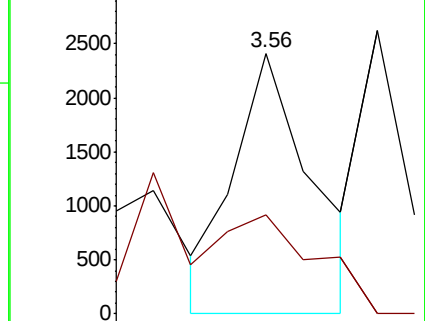
64 100

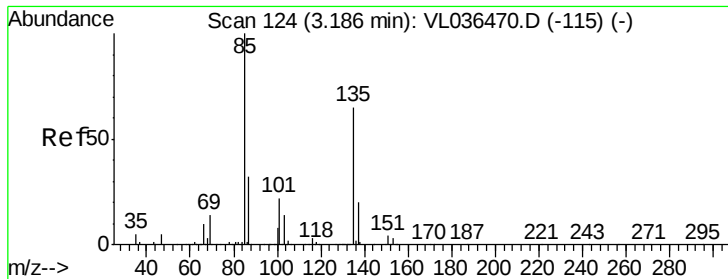
66 38.0 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.032 ppbv

RT: 3.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

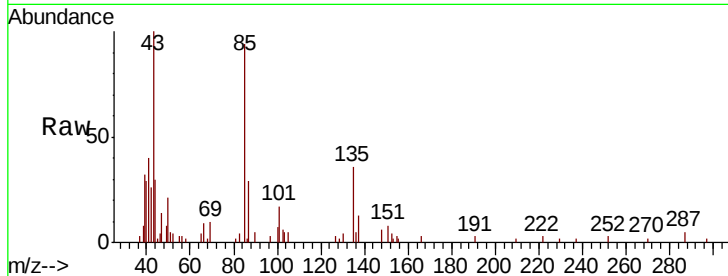
Acq: 25 Mar 2021 14:55

Tot Ion: 85 Resp: 7979

Ion Ratio Lower Upper

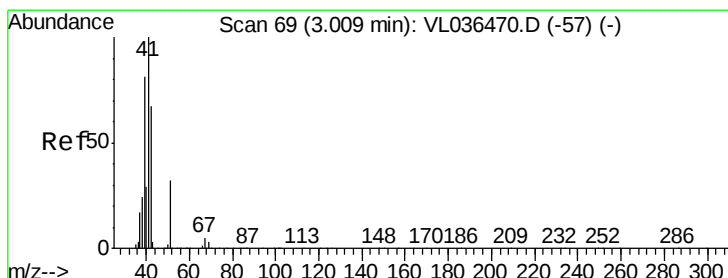
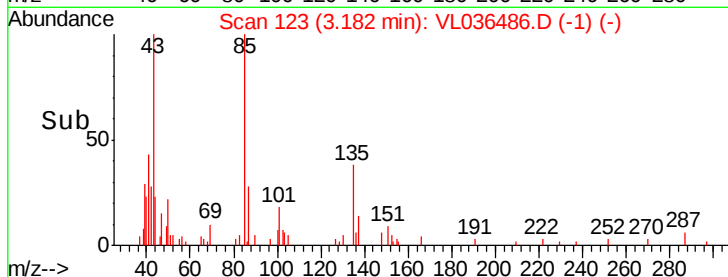
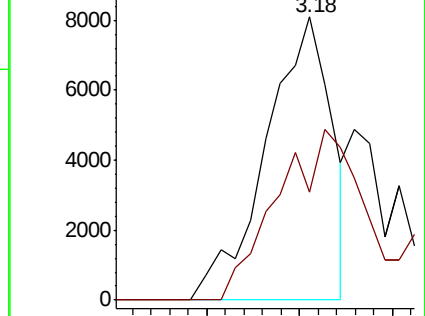
85 100

135 96.8 54.3 81.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 0.126 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036486.D

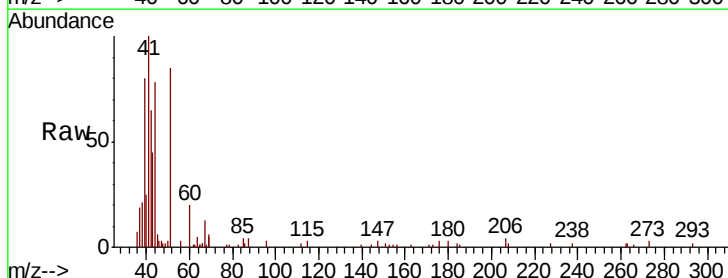
Acq: 25 Mar 2021 14:55

Tgt Ion: 41 Resp: 11910

Ion Ratio Lower Upper

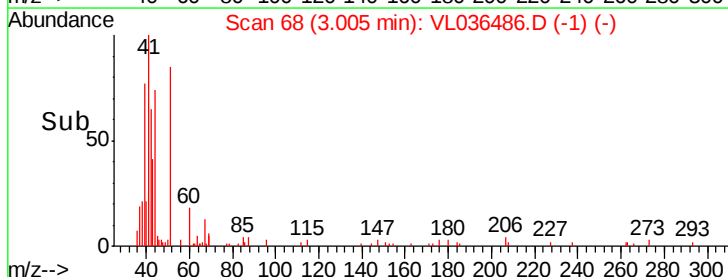
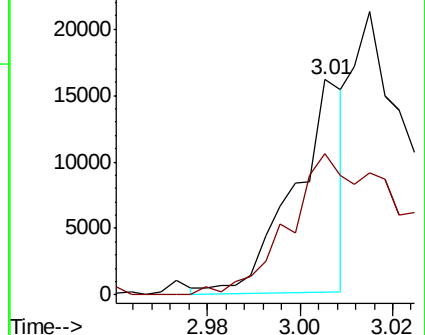
41 100

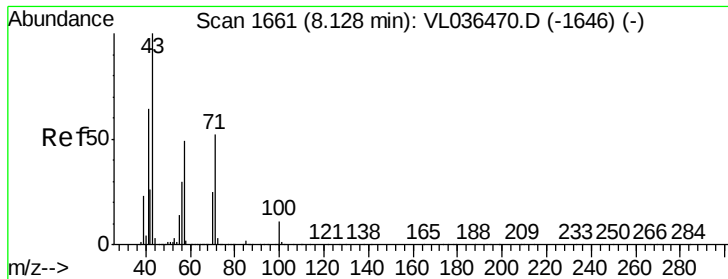
42 180.2 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

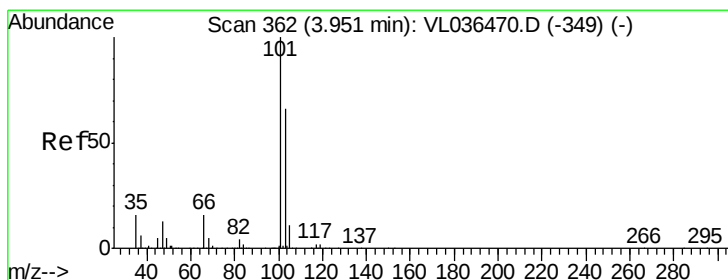
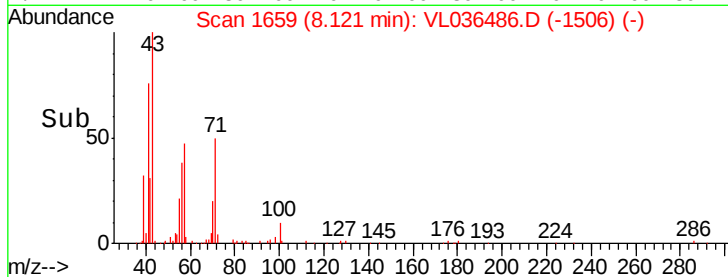
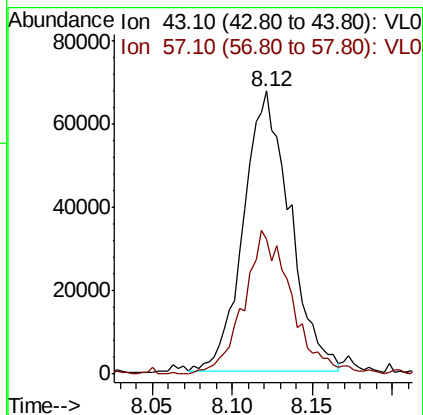
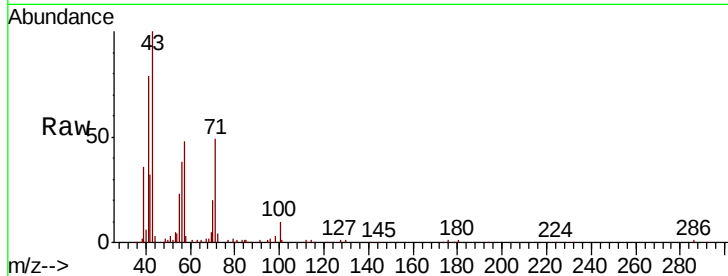
Ion 42.10 (41.80 to 42.80): VL0





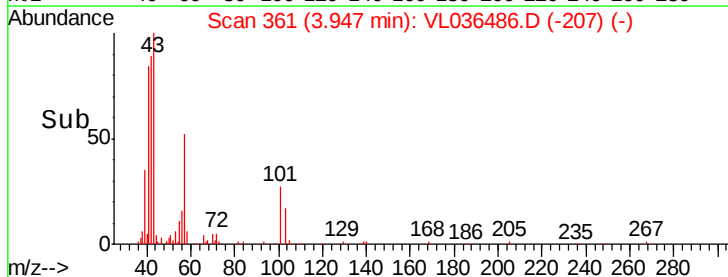
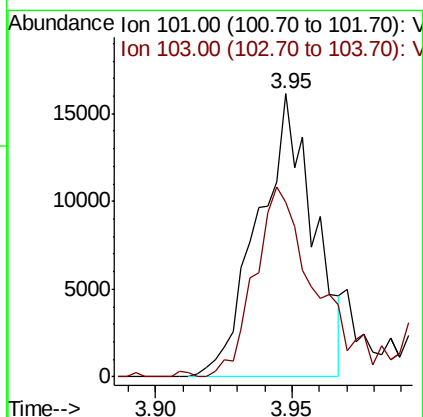
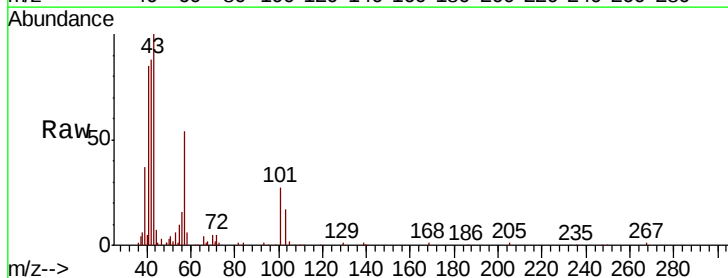
#10
 Heptane
 Concen: 0.553 ppbv
 RT: 8.12
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 14:55

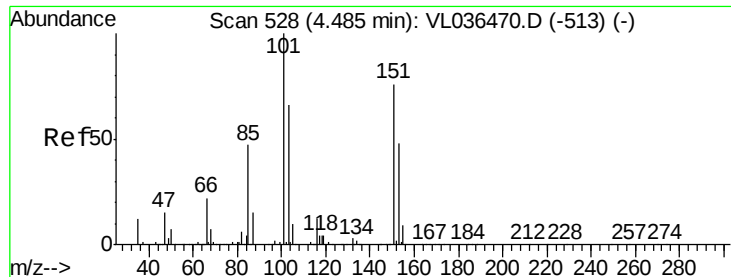
Tot Ion: 43 Resp: 133532
 Ion Ratio Lower Upper
 43 100
 57 54.4 39.0 58.6



#11
 Trichlorofluoromethane
 Concen: 0.086 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL036486.D
 Acq: 25 Mar 2021 14:55

Tgt Ion: 101 Resp: 22772
 Ion Ratio Lower Upper
 101 100
 103 60.1 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.025 ppbv

RT: 4.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

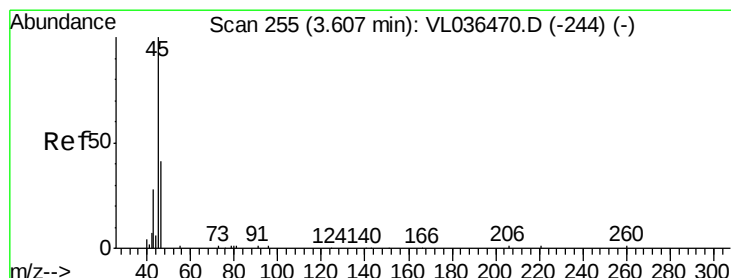
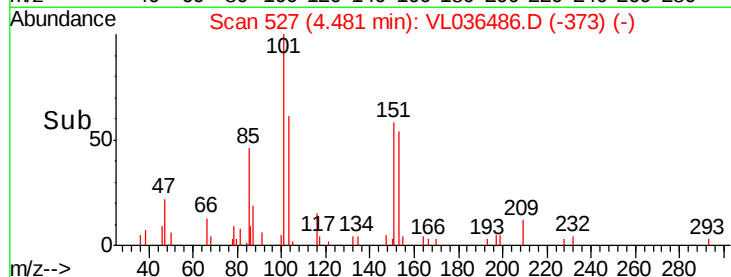
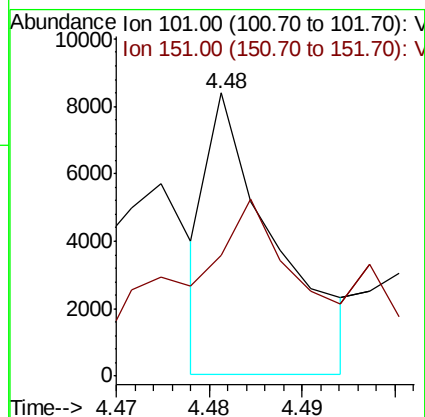
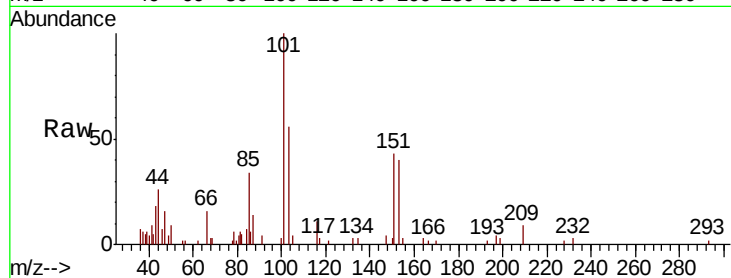
Acq: 25 Mar 2021 14:55

Tot Ion:101 Resp: 4241

Ion Ratio Lower Upper

101 100

151 195.3 60.9 91.3#



#13

Ethanol

Concen: 1.702 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036486.D

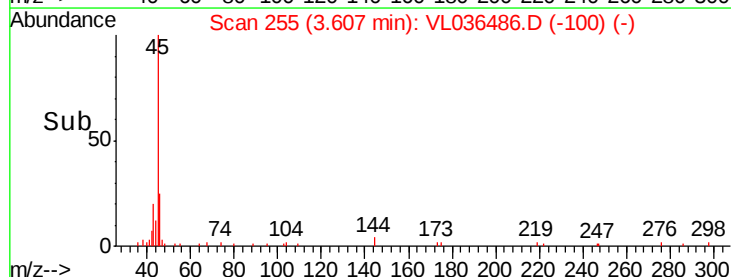
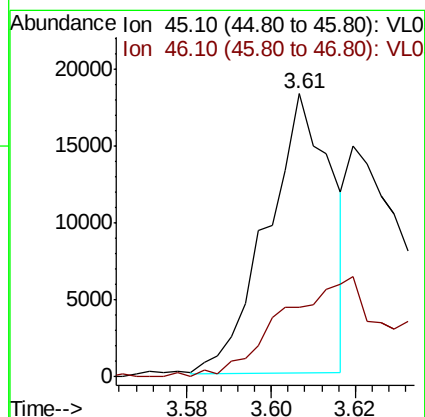
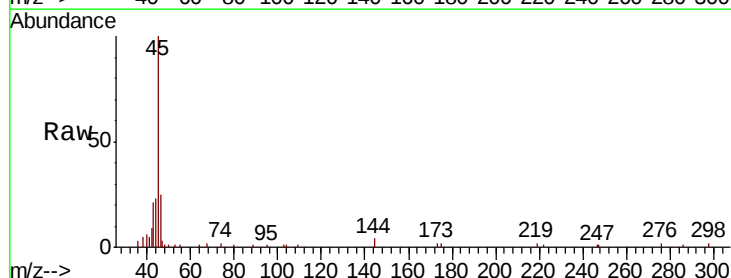
Acq: 25 Mar 2021 14:55

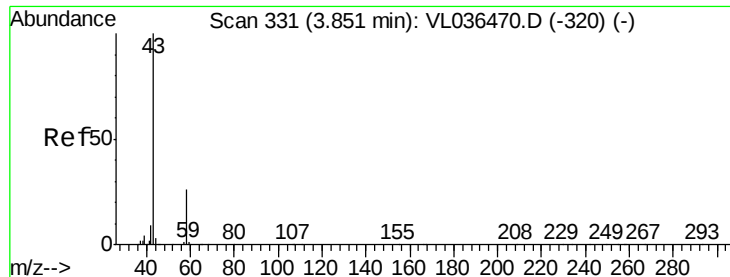
Tgt Ion: 45 Resp: 19232

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#





#15

Acetone

Concen: 30.936 ppbv

RT: 3.87 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

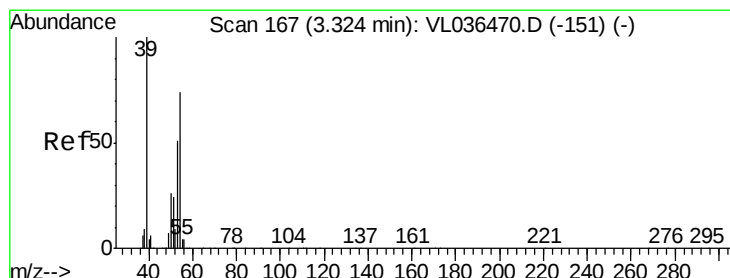
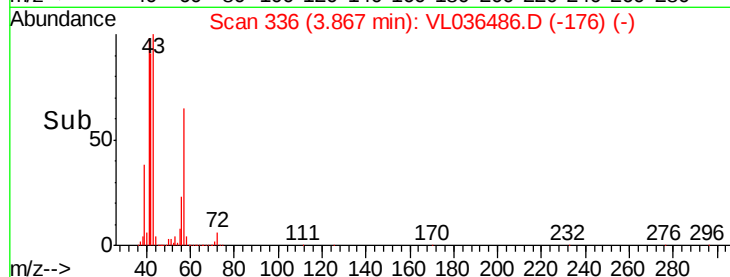
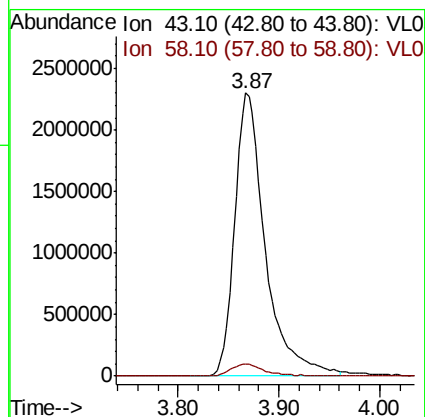
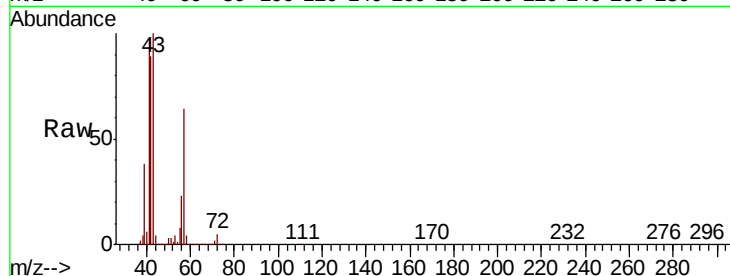
Acq: 25 Mar 2021 14:55

Tot Ion: 43 Resp: 4849454

Ion Ratio Lower Upper

43 100

58 5.0 21.2 31.8#



#16

1,3-Butadiene

Concen: 0.044 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036486.D

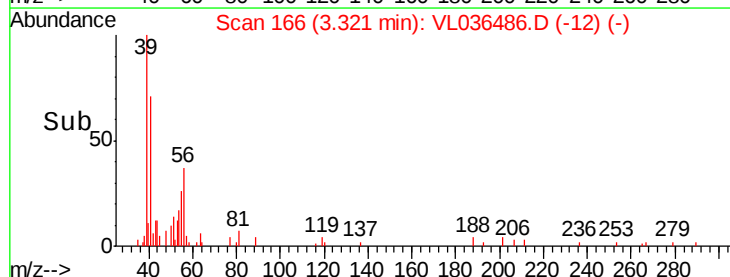
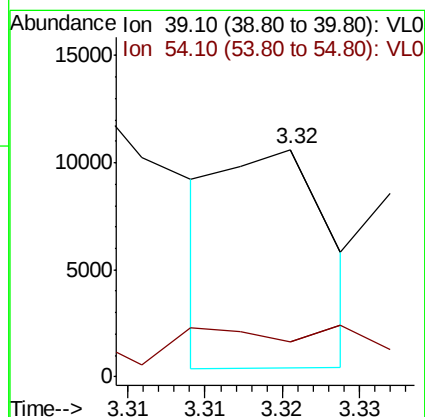
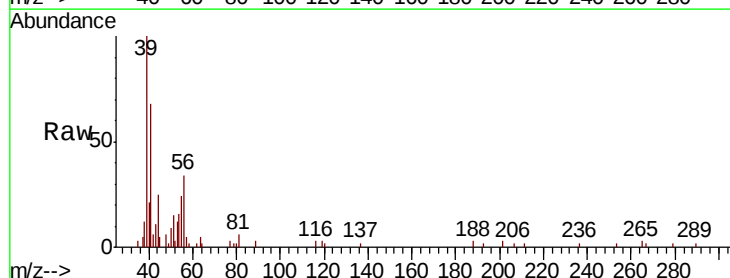
Acq: 25 Mar 2021 14:55

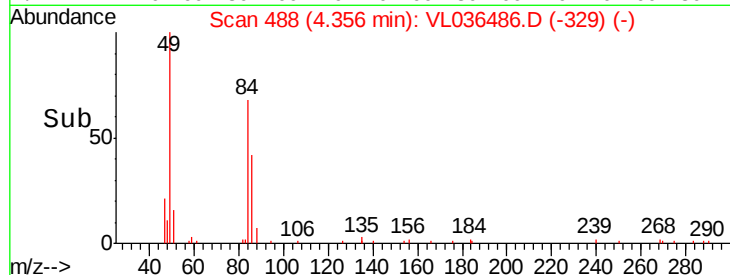
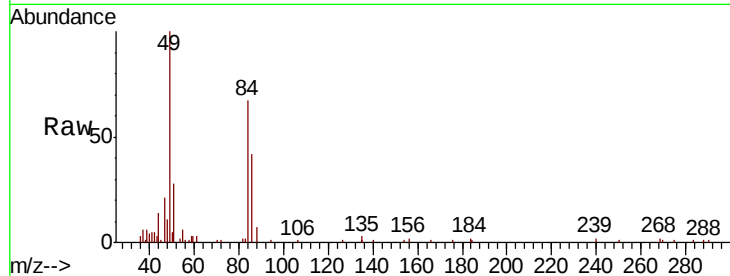
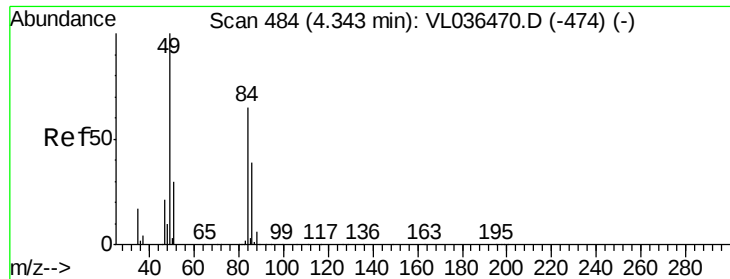
Tgt Ion: 39 Resp: 4842

Ion Ratio Lower Upper

39 100

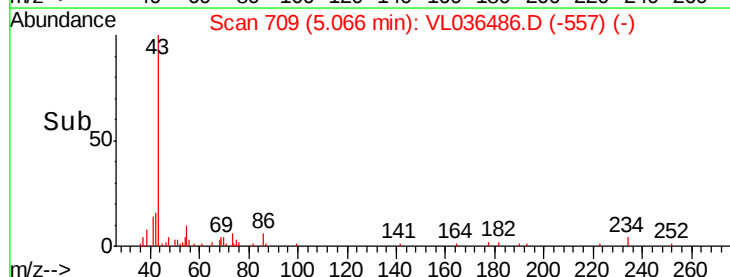
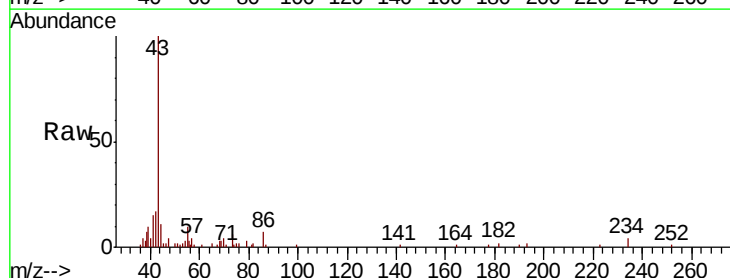
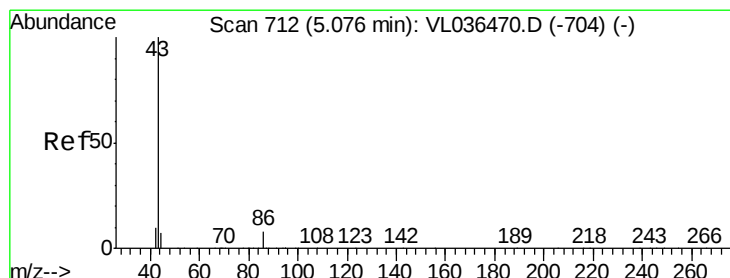
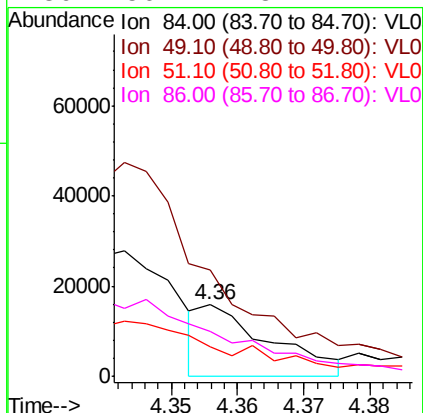
54 0.0 58.8 88.2#





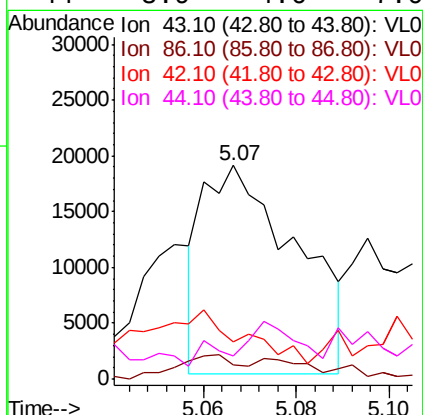
#20
Methvlene Chloride
Concen: 0.156 ppbv
RT: 4.36 Instrument : MSVOA_L
Delta R.T. ClientSampleId :
Lab File:
Acq: 25 Mar 2021 14:55

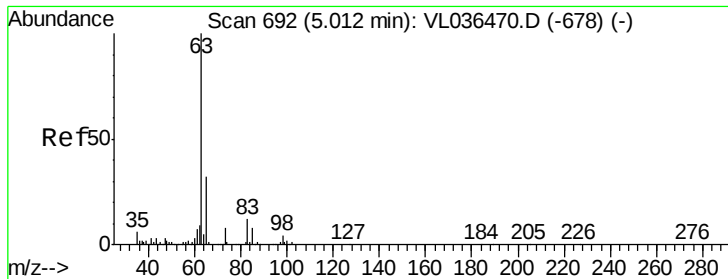
Tot Ion:	84	Resp:	11424
Ion	Ratio	Lower	Upper
84	100		
49	137.6	122.9	184.3
51	37.8	36.9	55.3
86	56.7	48.2	72.4



#23
Vinyl Acetate
Concen: 0.098 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL036486.D
Acq: 25 Mar 2021 14:55

Tgt Ion:	43	Resp:	26254
Ion	Ratio	Lower	Upper
43	100		
86	3.9	5.4	8.0#
42	0.0	8.5	12.7#
44	8.9	4.6	7.0#





#24

1,1-Dichloroethane

Concen: 0.035 ppbv

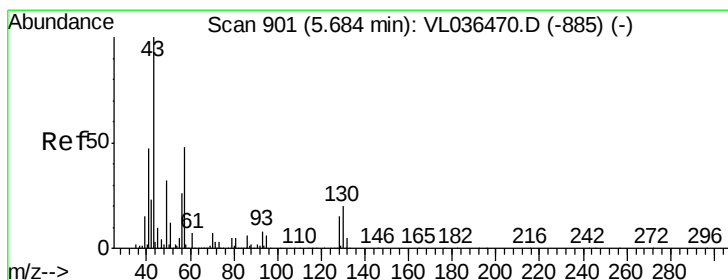
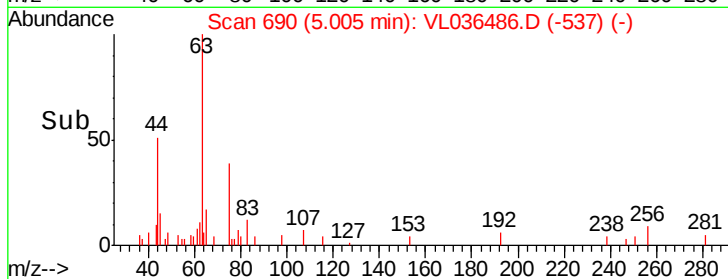
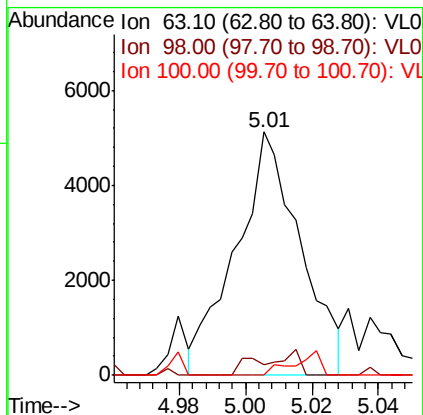
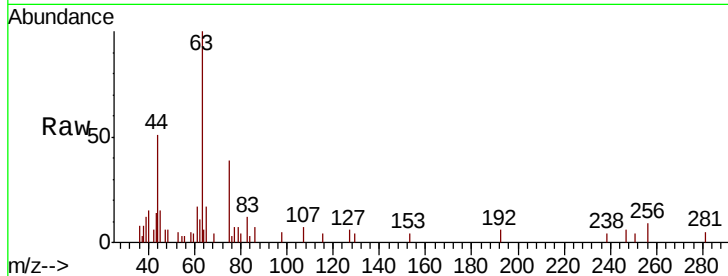
RT: 5.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 14:55

Tot Ion:	63	Resp:	6922
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.2
100	0.0	0.9	2.8#



#25

Ethyl Acetate

Concen: 1.929 ppbv

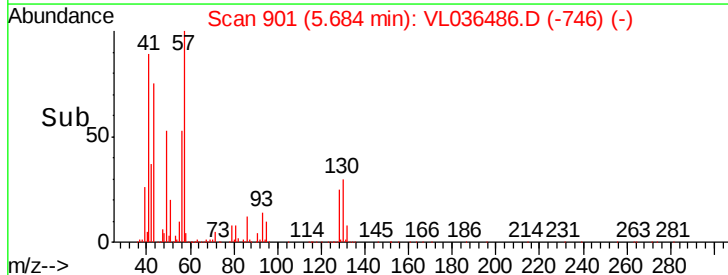
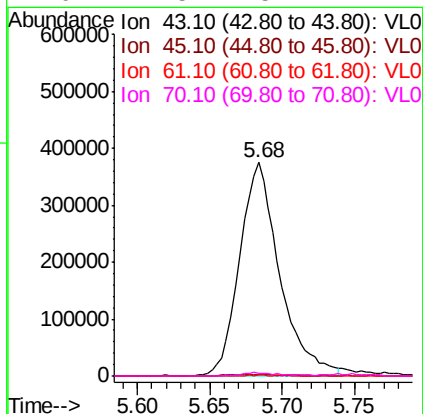
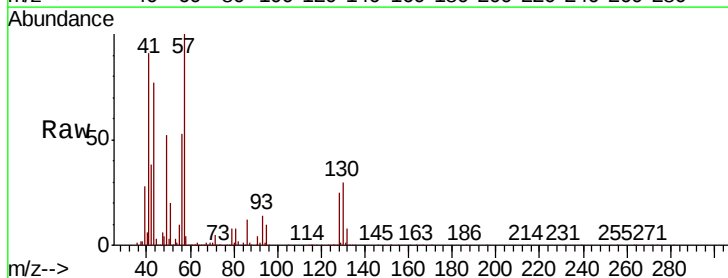
RT: 5.68 min Scan# 901

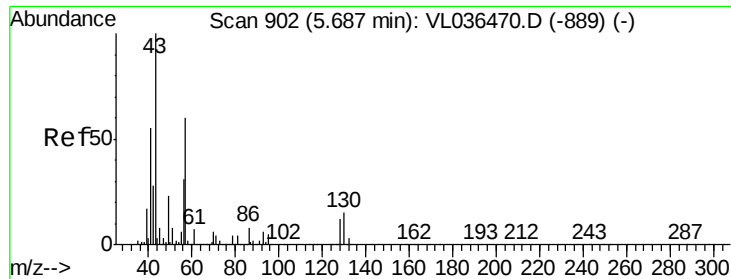
Delta R.T. -0.00 min

Lab File: VL036486.D

Acq: 25 Mar 2021 14:55

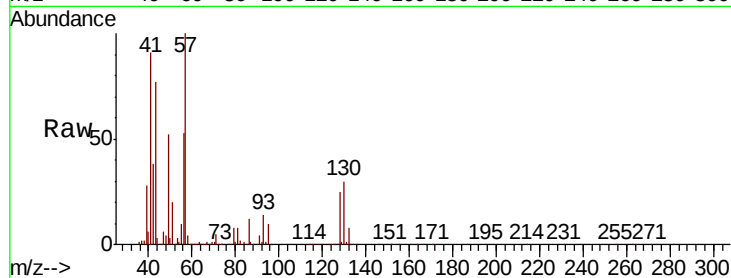
Tgt Ion:	43	Resp:	719010
Ion	Ratio	Lower	Upper
43	100		
45	0.9	7.9	11.9#
61	0.5	7.4	11.2#
70	1.5	5.1	7.7#



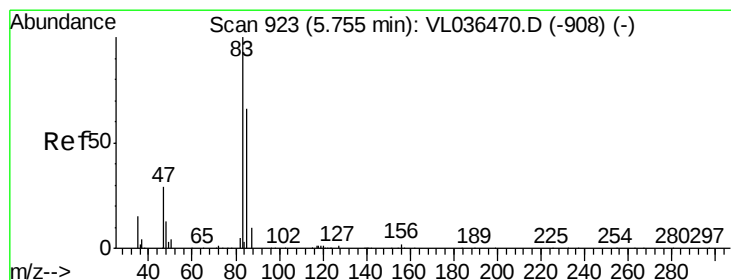
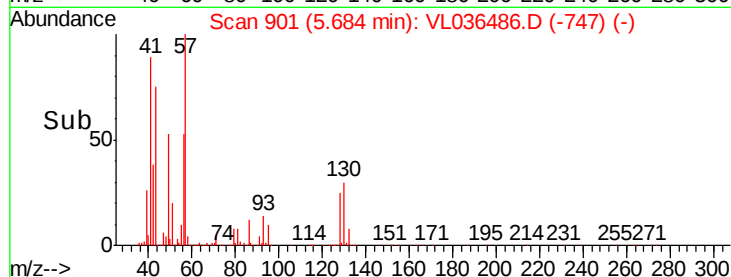
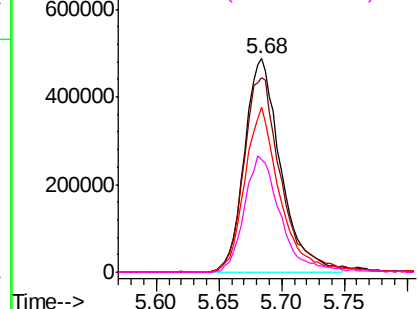


#26
Hexane
Concen: 5.664 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 14:55

Tot Ion:	57	Resp:	979545
Ion	Ratio	Lower	Upper
57	100		
41	96.0	77.2	115.8
43	75.6	173.8	260.6#
56	55.3	43.8	65.6

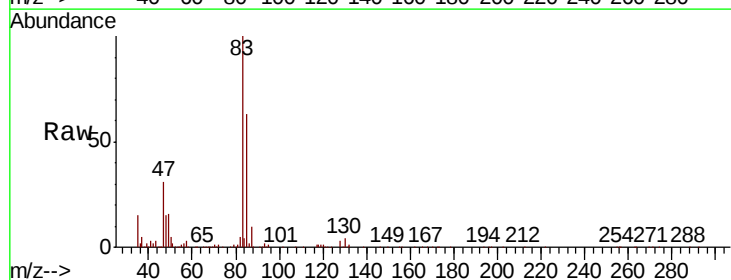


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

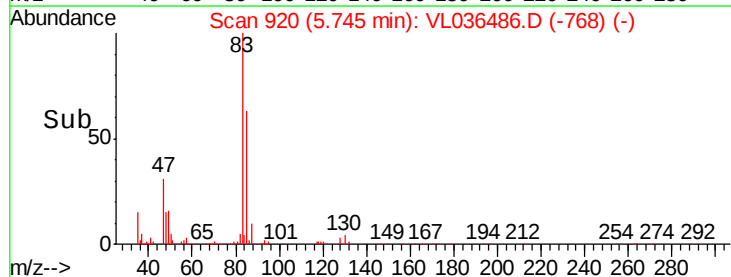
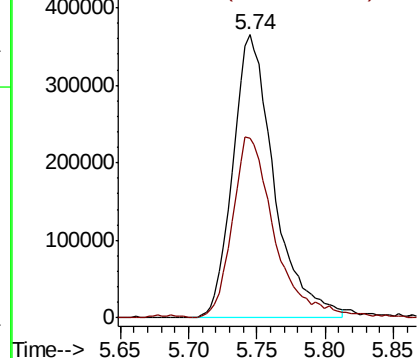


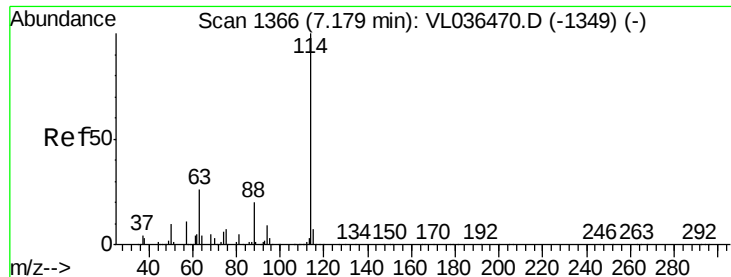
#29
Chloroform
Concen: 2.767 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL036486.D
Acq: 25 Mar 2021 14:55

Tgt Ion:	83	Resp:	765317
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8



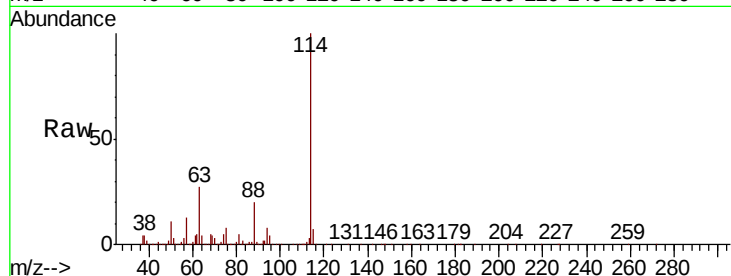
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0



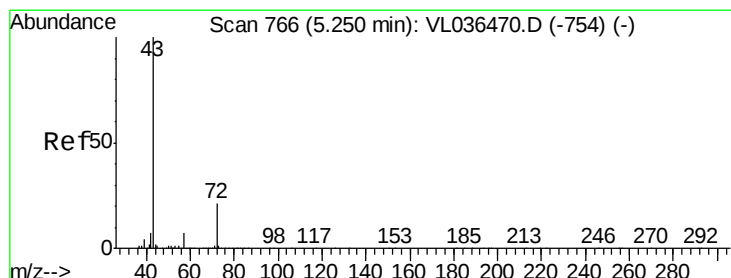
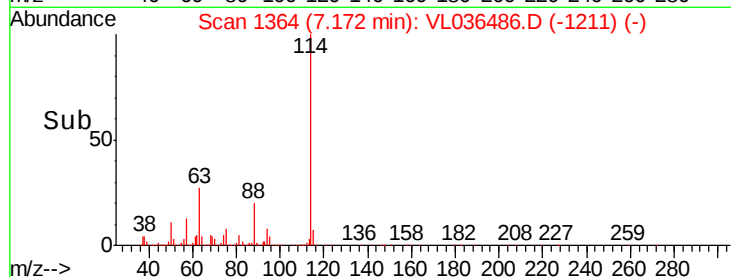
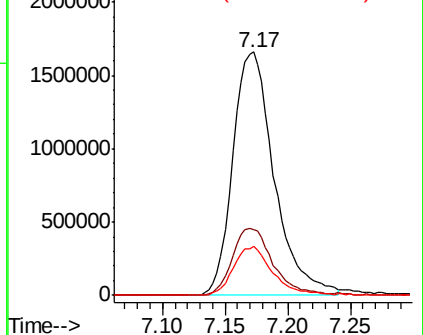


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 14:55

Tot Ion: 114 Resp: 3806951
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.4 33.6
 88 19.4 15.4 23.0

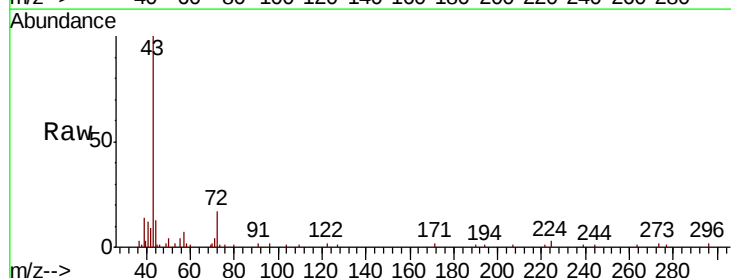


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

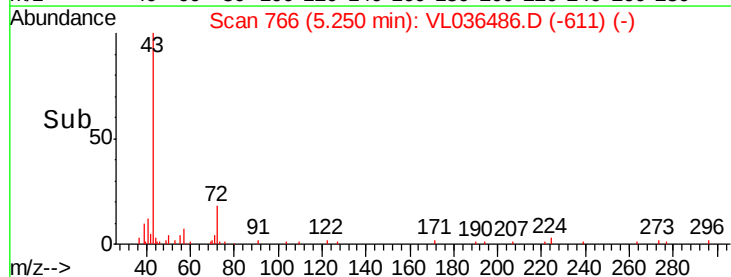
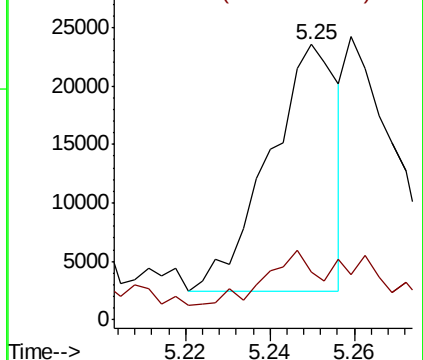


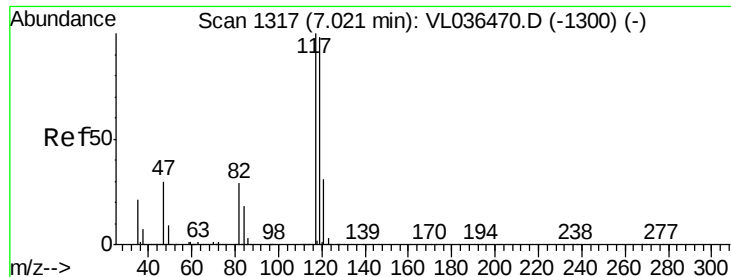
#34
 2-Butanone
 Concen: 0.128 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL036486.D
 Acq: 25 Mar 2021 14:55

Tgt Ion: 43 Resp: 23834
 Ion Ratio Lower Upper
 43 100
 72 60.6 17.0 25.6#



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





#35

Carbon Tetrachloride

Concen: 0.031 ppbv

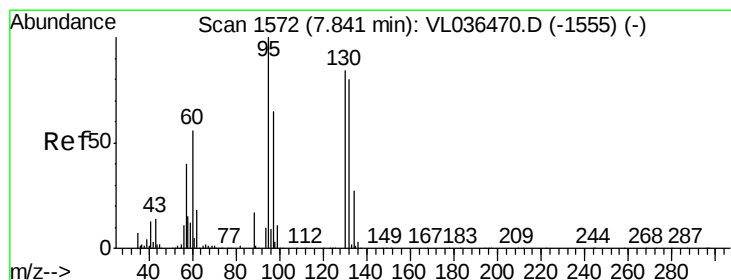
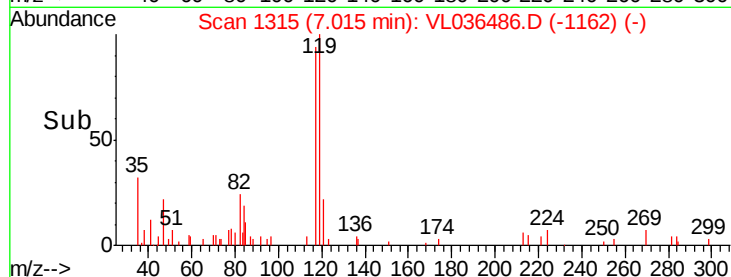
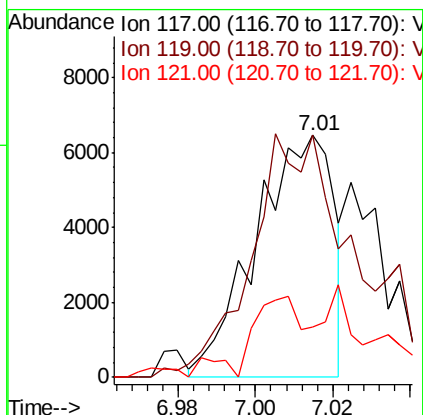
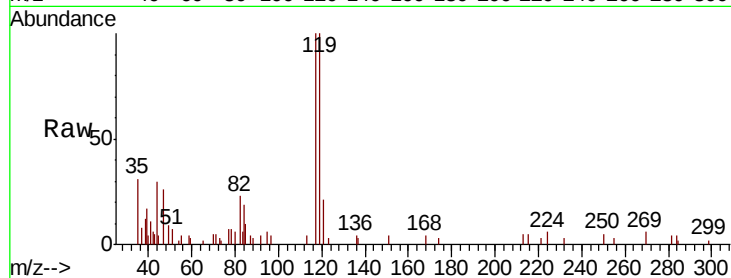
RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 14:55

Tot Ion:117	Resp:	9070
Ion Ratio	Lower	Upper
117	100	
119	97.6	78.2 117.2
121	21.7	24.5 36.7#



#38

Trichloroethene

Concen: 0.103 ppbv

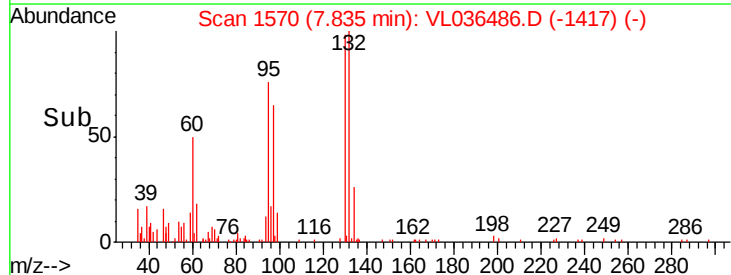
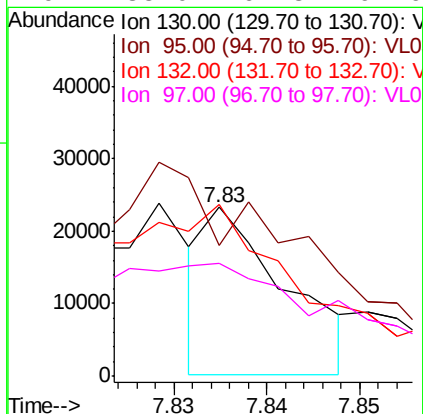
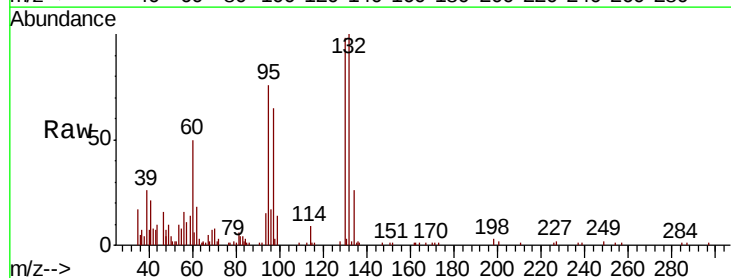
RT: 7.83 min Scan# 1570

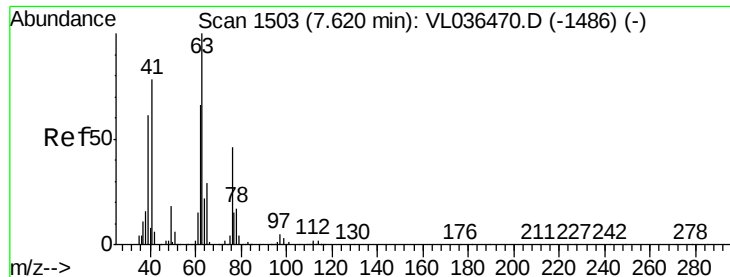
Delta R.T. -0.01 min

Lab File: VL036486.D

Acq: 25 Mar 2021 14:55

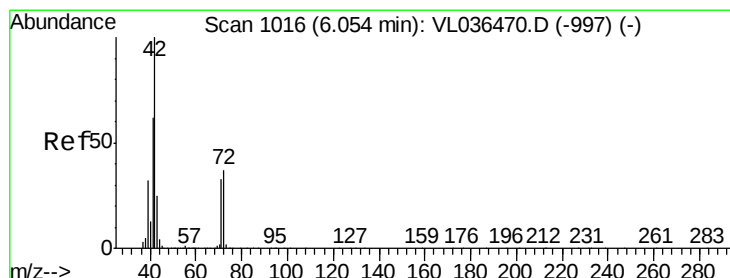
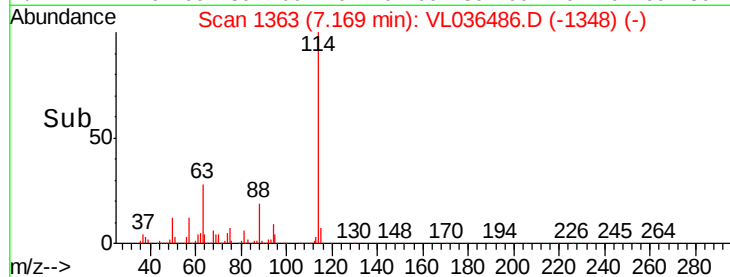
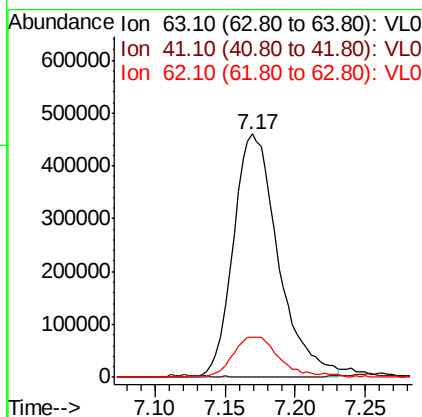
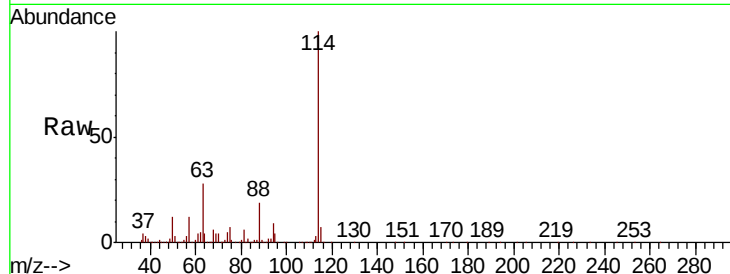
Tgt Ion:130	Resp:	14033
Ion Ratio	Lower	Upper
130	100	
95	25.0	95.7 143.5#
132	95.1	76.2 114.4
97	35.0	61.8 92.6#





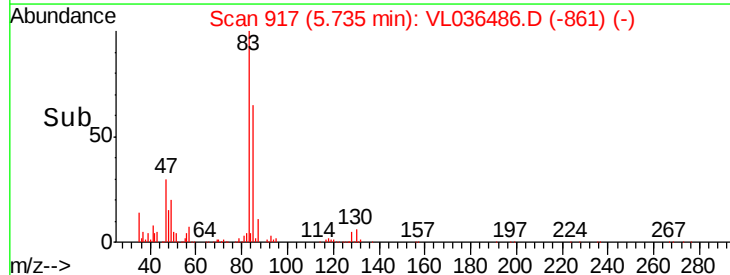
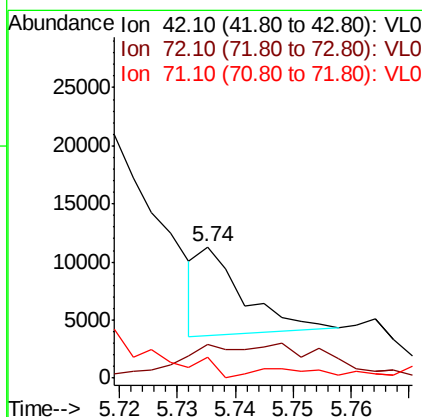
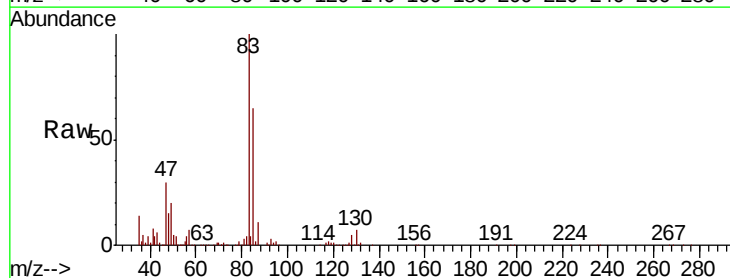
#39
 1,2-Dichloropropane
 Concen: 7.205 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 14:55

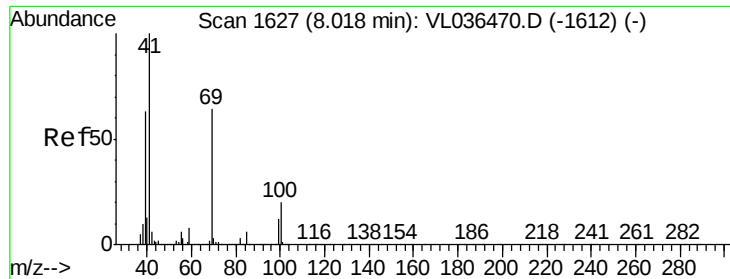
Tot Ion: 63 Resp: 1026233
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 16.6 52.8 79.2#



#41
 Tetrahydrofuran
 Concen: 0.047 ppbv
 RT: 5.74 min Scan# 917
 Delta R.T. -0.32 min
 Lab File: VL036486.D
 Acq: 25 Mar 2021 14:55

Tgt Ion: 42 Resp: 3993
 Ion Ratio Lower Upper
 42 100
 72 136.5 27.6 41.4#
 71 0.0 27.0 40.4#





#43

Methyl Methacrylate

Concen: 0.022 ppbv

RT: 8.02 Instrument: MSVOA_1

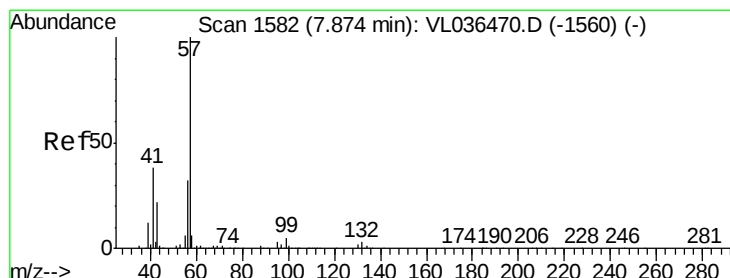
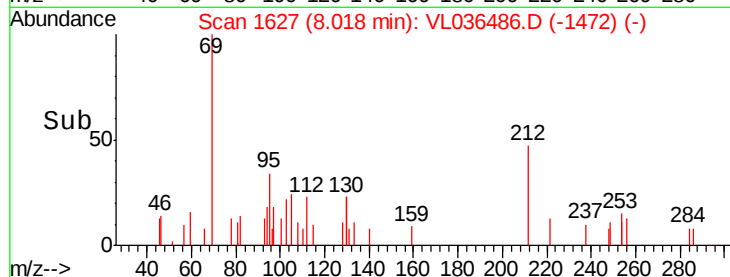
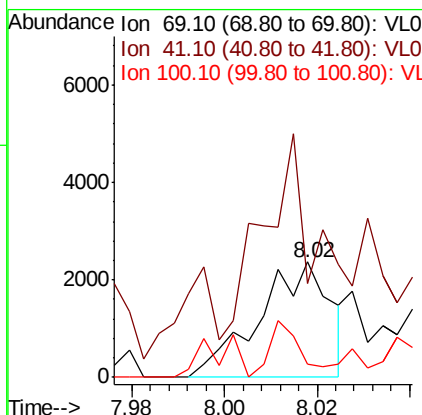
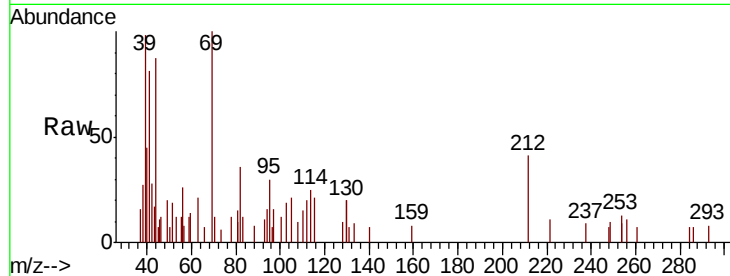
Delta R.T. ClientSampleId:

Lab File:

Acq: 25 Mar 2021 14:55

Tot Ion: 69 Resp: 2548

Ion	Ratio	Lower	Upper
69	100		
41	353.4	126.8	190.2#
100	44.7	24.9	37.3#



#44

2,2,4-Trimethylpentane

Concen: 0.064 ppbv

RT: 7.86 min Scan# 1579

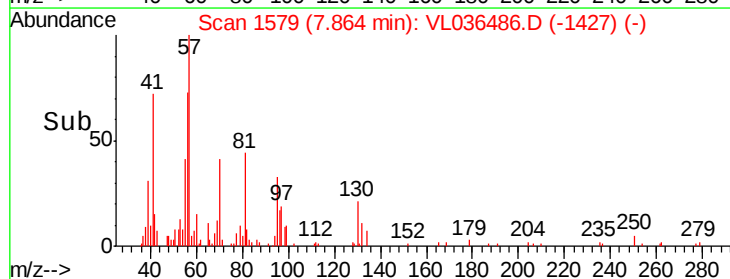
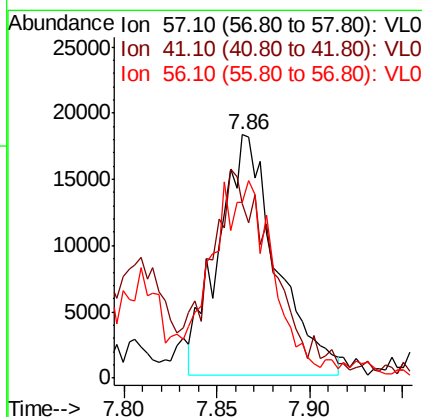
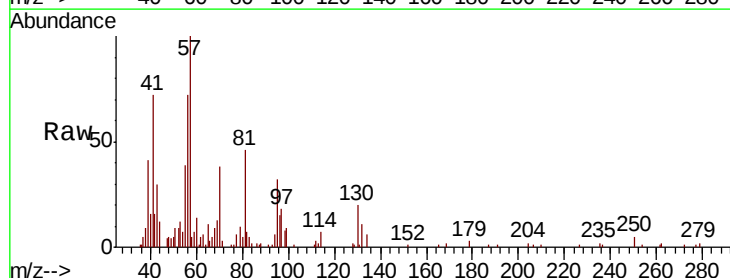
Delta R.T. -0.01 min

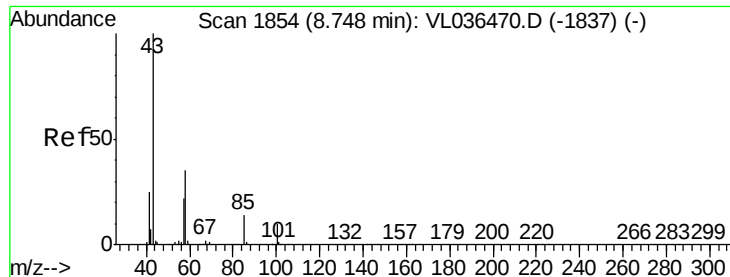
Lab File: VL036486.D

Acq: 25 Mar 2021 14:55

Tgt Ion: 57 Resp: 39602

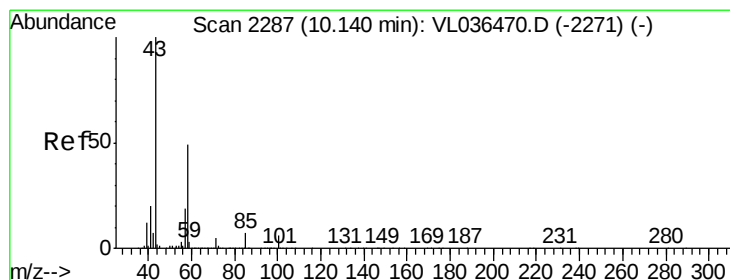
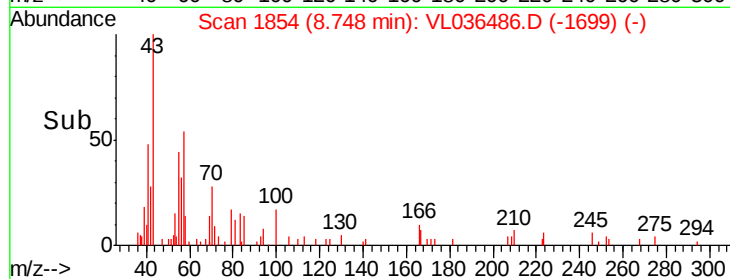
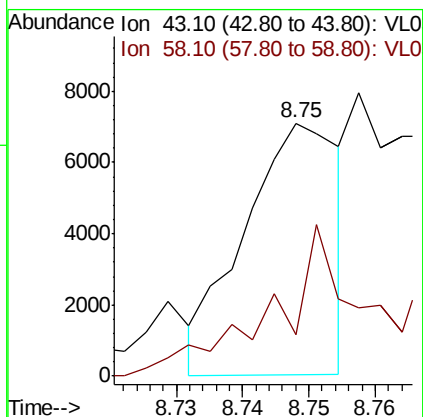
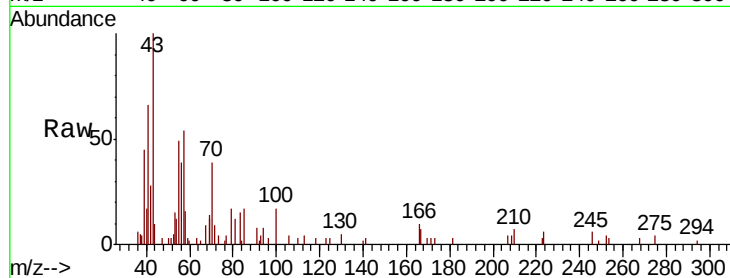
Ion	Ratio	Lower	Upper
57	100		
41	88.3	28.8	43.2#
56	89.0	26.1	39.1#





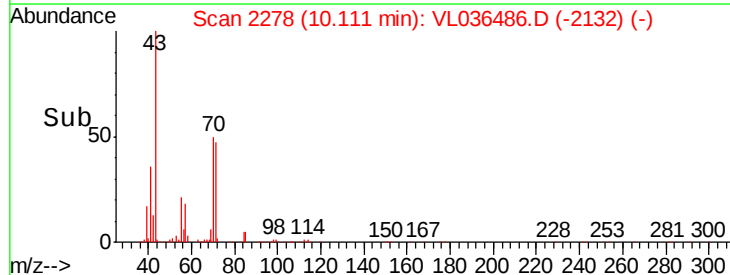
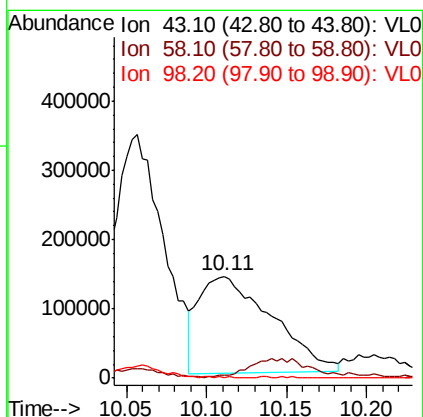
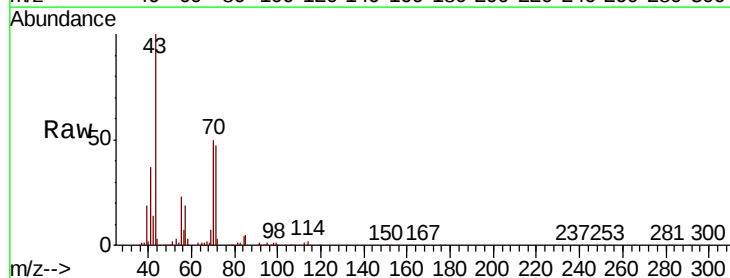
#50
 4-Methyl-2-Pentanone
 Concen: 0.026 ppbv
 RT: 8.75 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 14:55

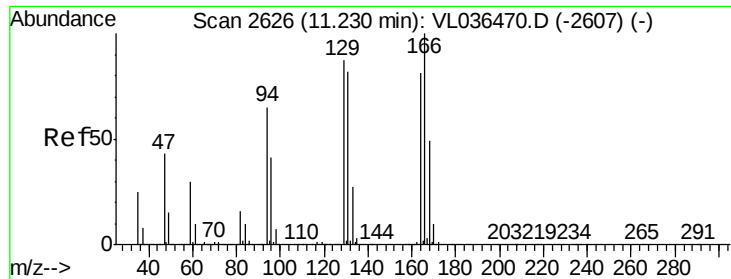
Tot Ion: 43 Resp: 7018
 Ion Ratio Lower Upper
 43 100
 58 97.0 28.2 42.2#



#51
 2-Hexanone
 Concen: 3.257 ppbv
 RT: 10.11 min Scan# 2278
 Delta R.T. -0.03 min
 Lab File: VL036486.D
 Acq: 25 Mar 2021 14:55

Tgt Ion: 43 Resp: 441937
 Ion Ratio Lower Upper
 43 100
 58 19.2 37.7 56.5#
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 25.354 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 14:55

Tot Ion:164 Resp: 3278018

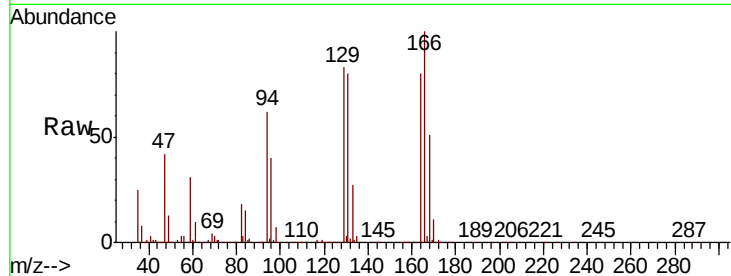
Ion Ratio Lower Upper

164 100

166 124.2 98.3 147.5

129 102.8 85.8 128.8

131 99.9 80.9 121.3

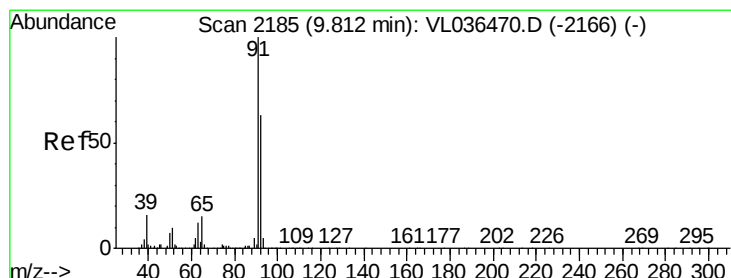
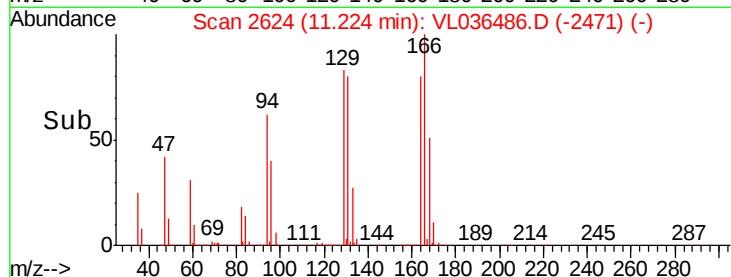
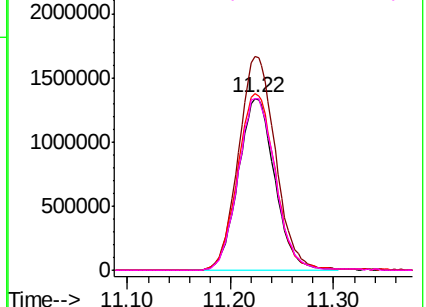


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.003 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL036486.D

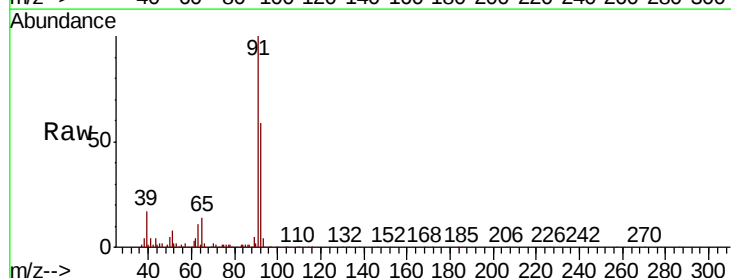
Acq: 25 Mar 2021 14:55

Tgt Ion: 91 Resp: 375169

Ion Ratio Lower Upper

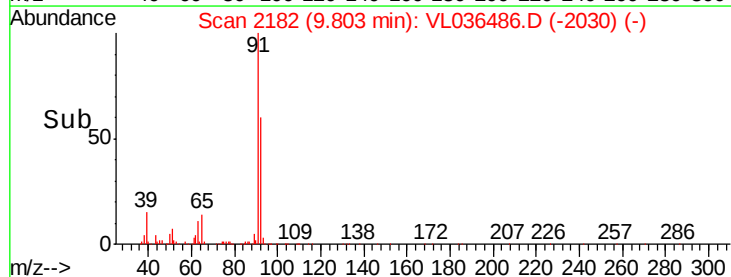
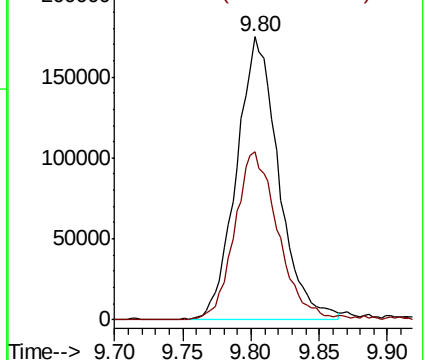
91 100

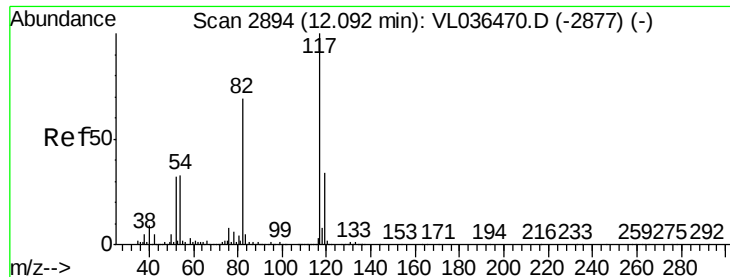
92 61.2 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

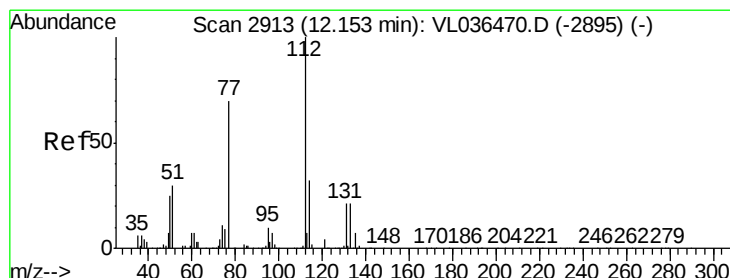
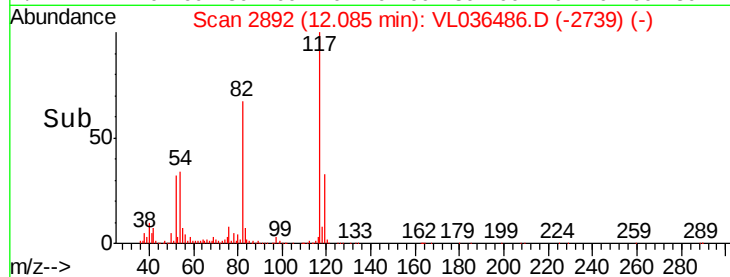
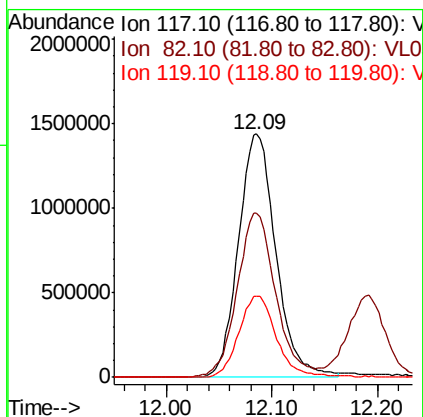
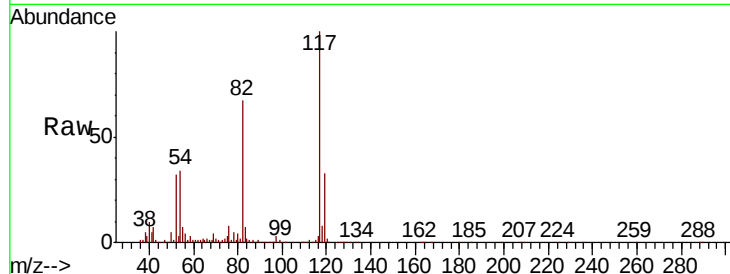
Ion 92.10 (91.80 to 92.80): VL0





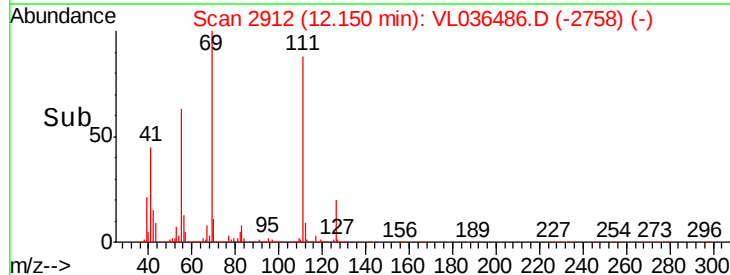
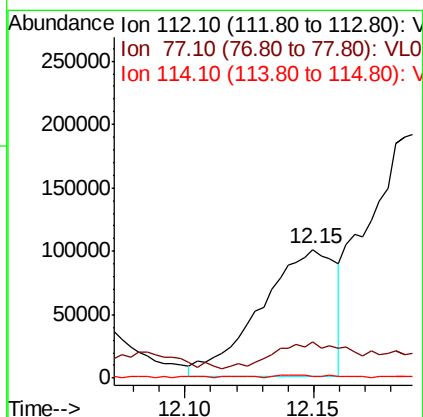
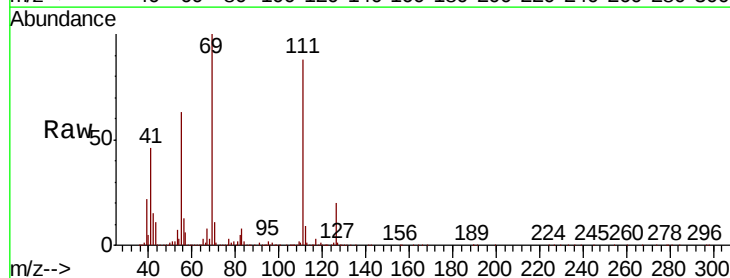
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 14:55

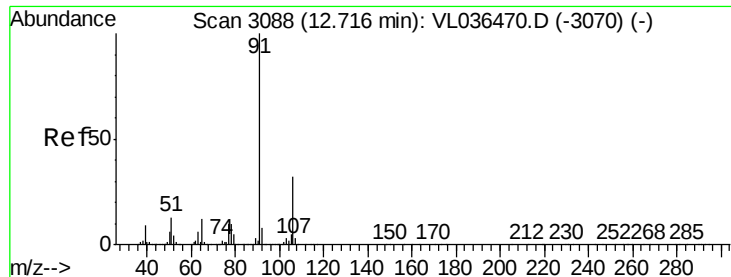
Tot Ion:117 Resp: 3567399
Ion Ratio Lower Upper
117 100
82 68.9 57.4 86.0
119 33.9 47.4 71.0#



#57
Chlorobenzene
Concen: 0.665 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL036486.D
Acq: 25 Mar 2021 14:55

Tgt Ion:112 Resp: 201896
Ion Ratio Lower Upper
112 100
77 18.0 56.0 84.0#
114 0.0 29.0 35.4#





#58

Ethyl Benzene

Concen: 1.506 ppbv

RT: 12.71 min

Delta R.T. MSVOA_L

Lab File:

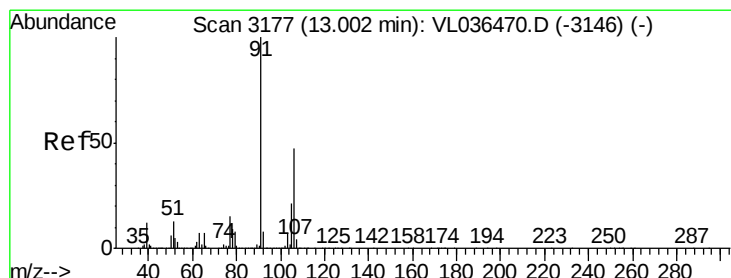
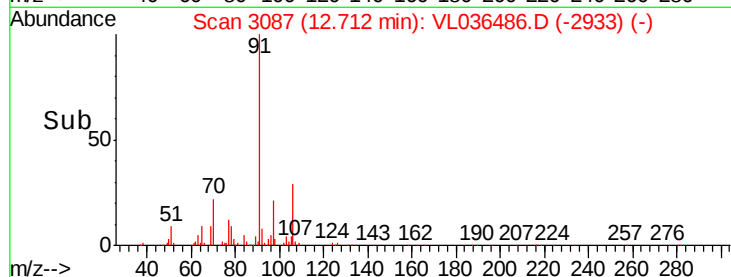
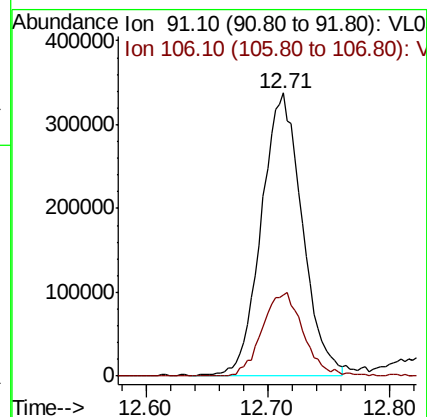
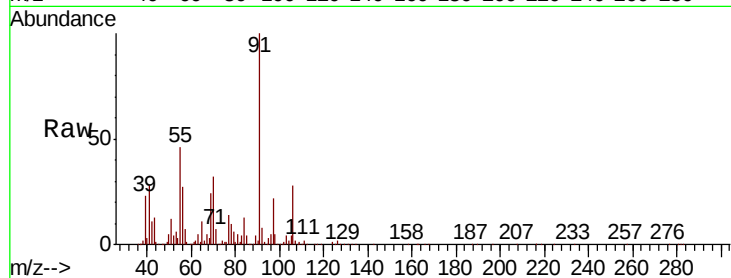
Acq: 25 Mar 2021 14:55

Tot Ion: 91 Resp: 781415

Ion Ratio Lower Upper

91 100

106 28.4 25.3 37.9



#59

m/p-Xylene

Concen: 3.523 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036486.D

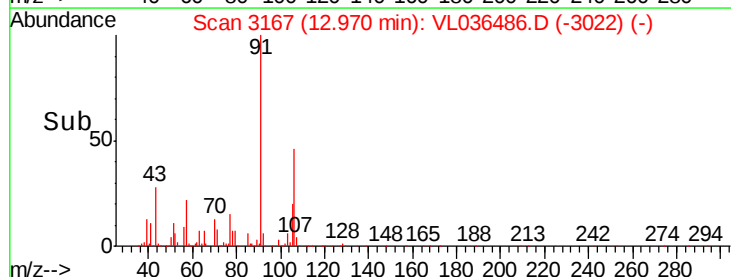
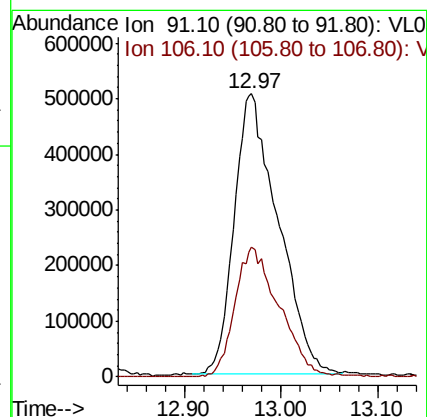
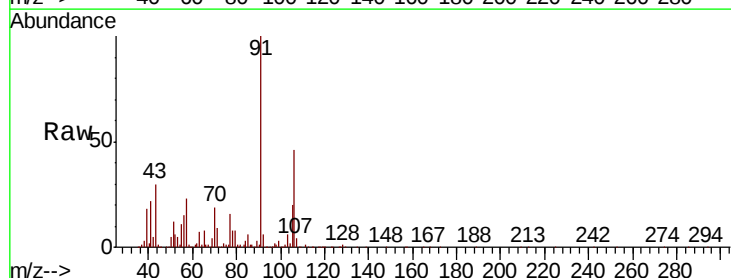
Acq: 25 Mar 2021 14:55

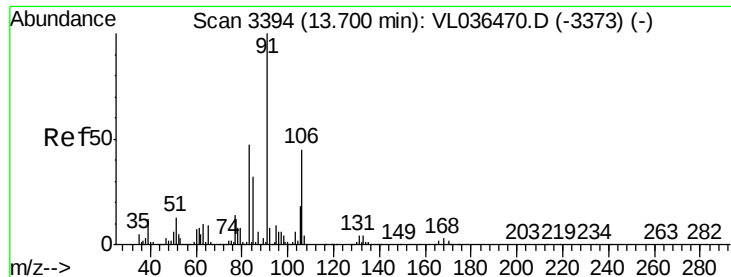
Tgt Ion: 91 Resp: 1594917

Ion Ratio Lower Upper

91 100

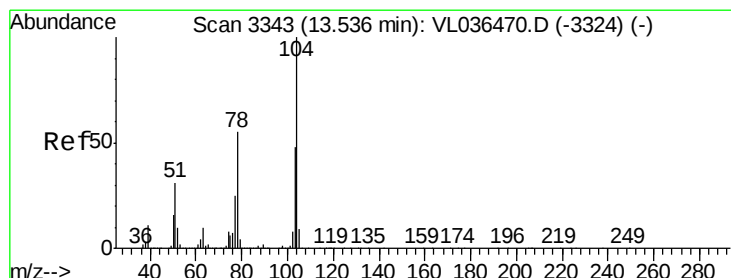
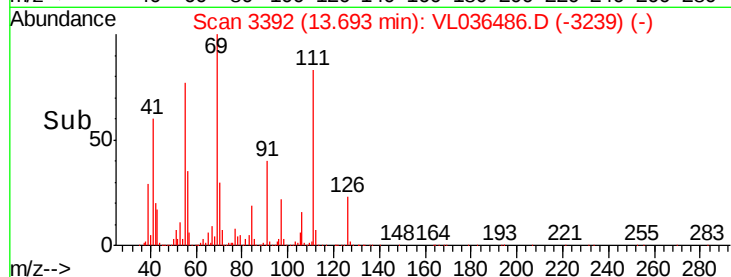
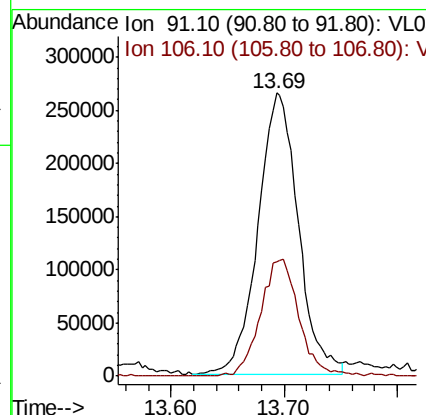
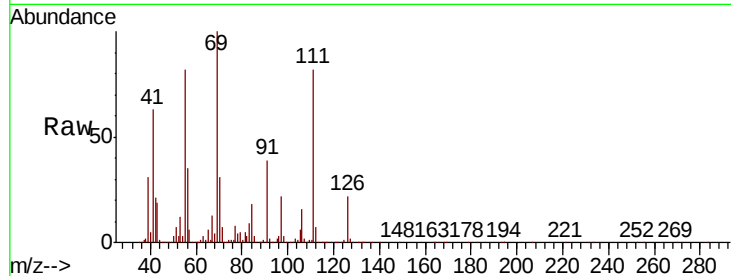
106 46.9 35.3 52.9





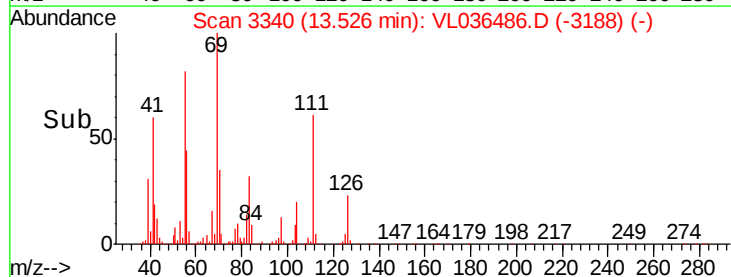
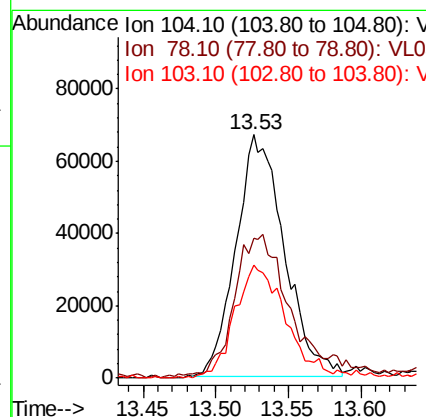
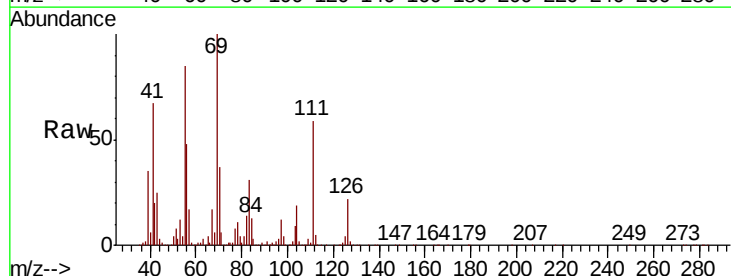
#60
o-Xylene
Concen: 1.488 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 14:55

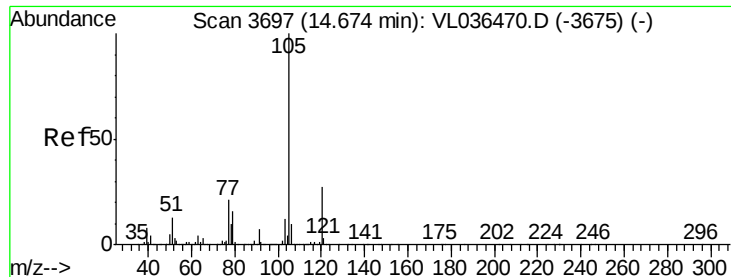
Tot Ion: 91 Resp: 651342
Ion Ratio Lower Upper
91 100
106 40.2 22.3 66.9



#61
Styrene
Concen: 0.702 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL036486.D
Acq: 25 Mar 2021 14:55

Tgt Ion: 104 Resp: 154599
Ion Ratio Lower Upper
104 100
78 73.0 43.8 65.8#
103 51.3 38.3 57.5





#62

Isopropylbenzene

Concen: 0.408 ppbv

RT: 14.67 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

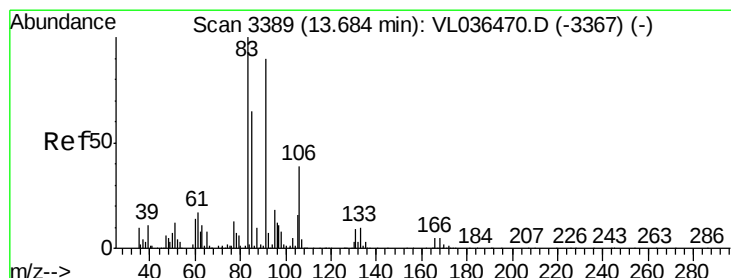
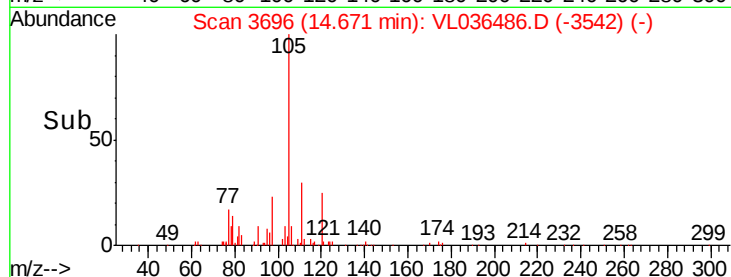
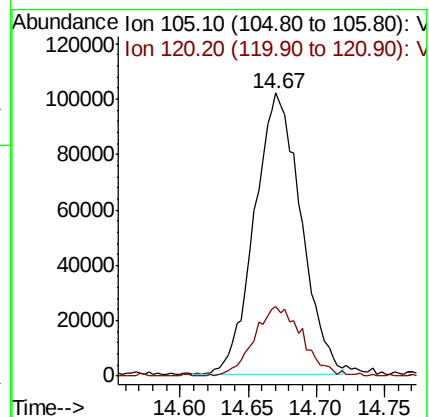
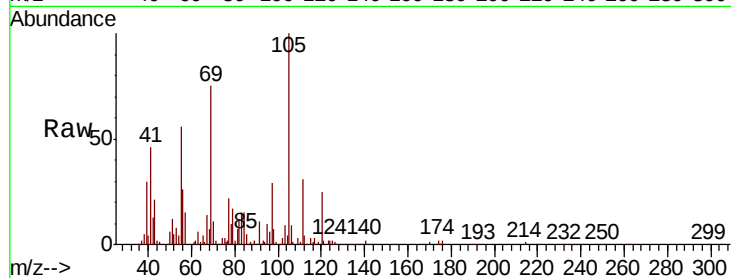
Acq: 25 Mar 2021 14:55

Tot Ion: 105 Resp: 240714

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0



#63

1,1,2,2-Tetrachloroethane

Concen: 1.021 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL036486.D

Acq: 25 Mar 2021 14:55

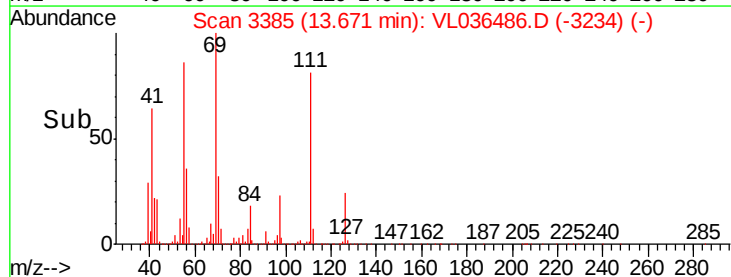
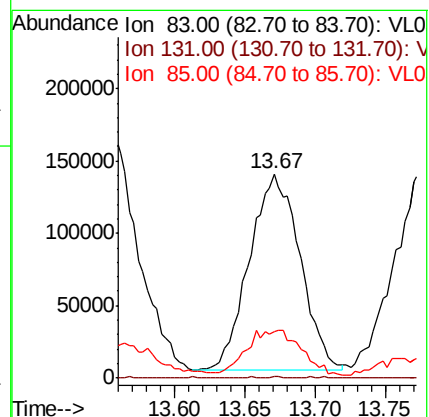
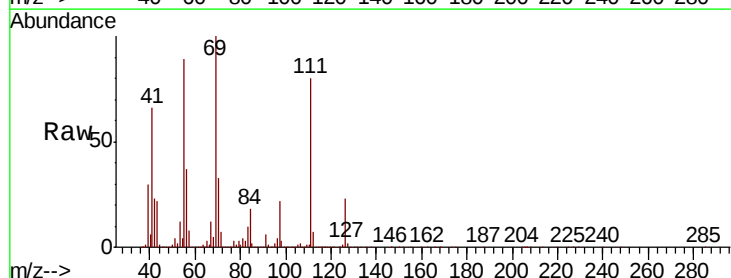
Tgt Ion: 83 Resp: 340887

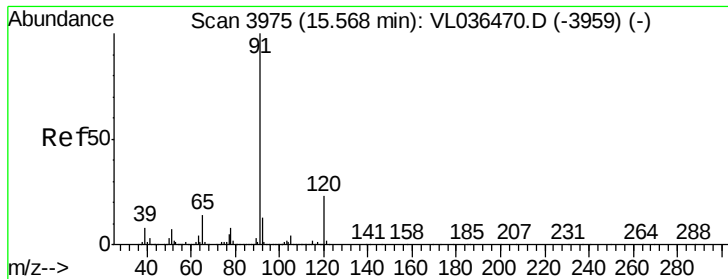
Ion Ratio Lower Upper

83 100

131 0.6 4.7 14.0#

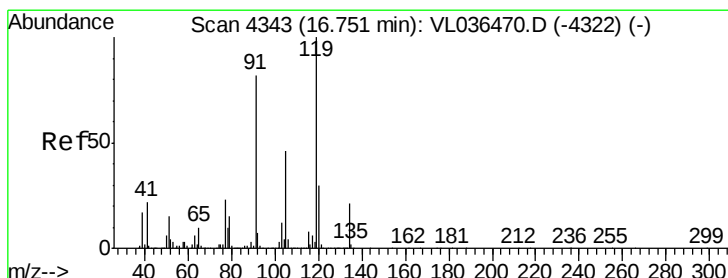
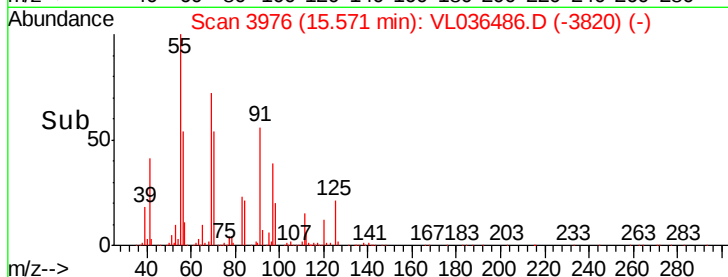
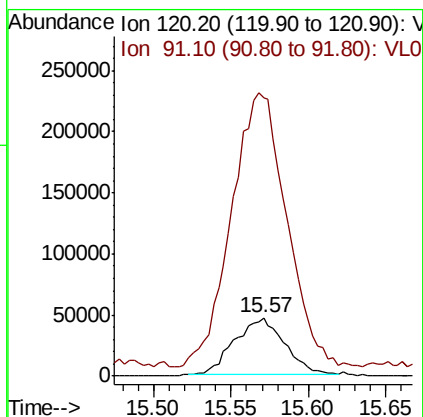
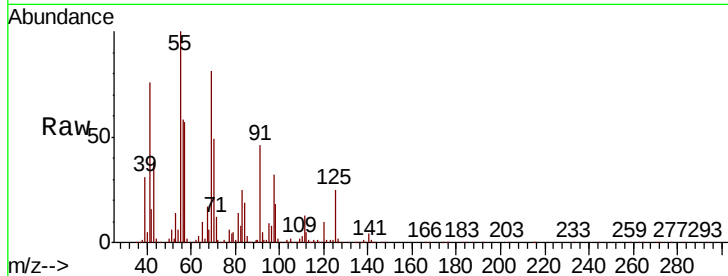
85 24.5 33.1 99.3#





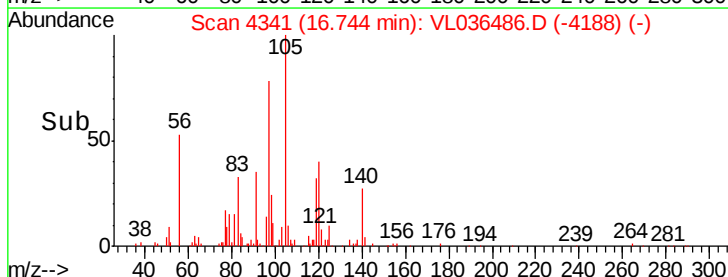
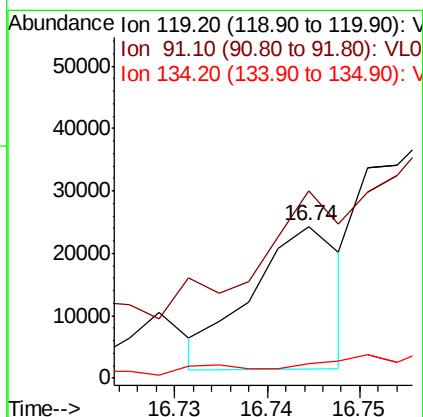
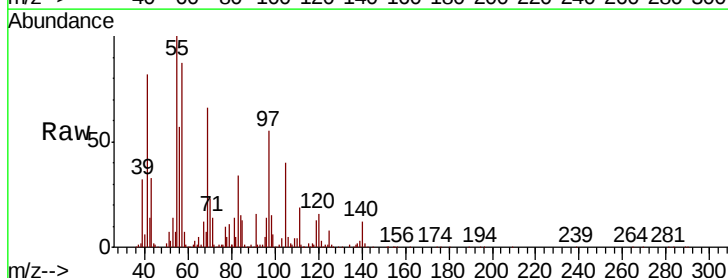
#64
n-propylbenzene
Concen: 0.724 ppbv
RT: 15.57 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 14:55

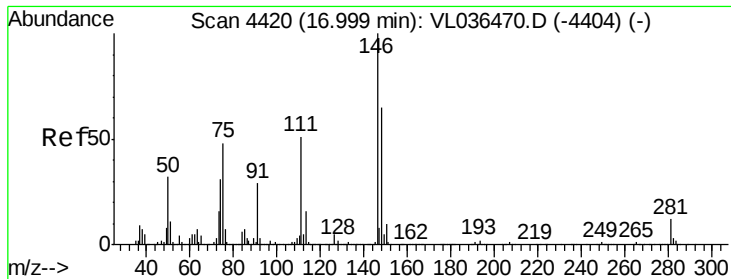
Tot Ion:120 Resp: 104290
Ion Ratio Lower Upper
120 100
91 555.0 377.4 566.2



#65
tert-Butylbenzene
Concen: 0.030 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL036486.D
Acq: 25 Mar 2021 14:55

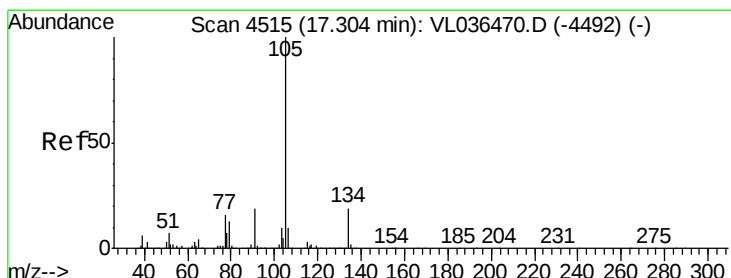
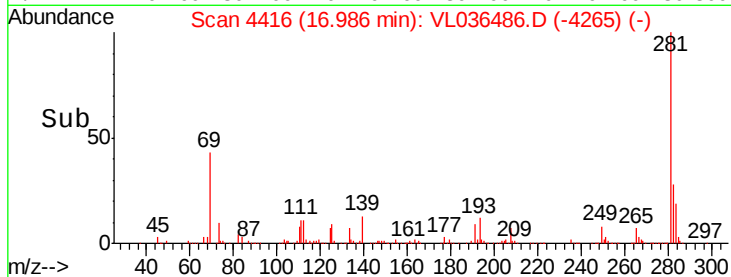
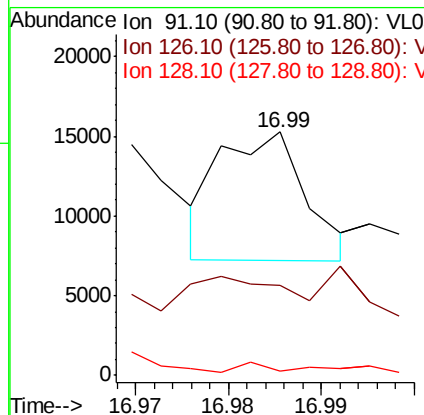
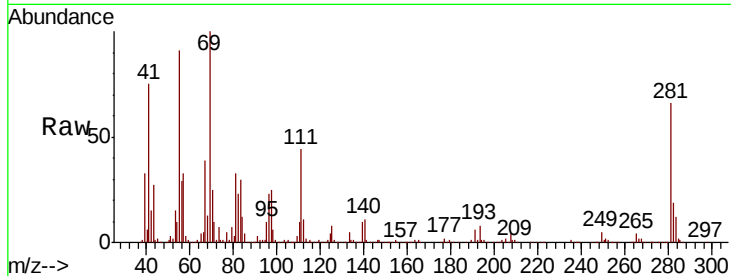
Tgt Ion:119 Resp: 15345
Ion Ratio Lower Upper
119 100
91 0.0 67.5 101.3#
134 0.0 15.8 23.8#





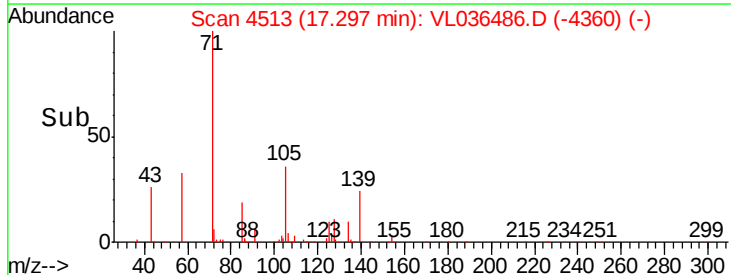
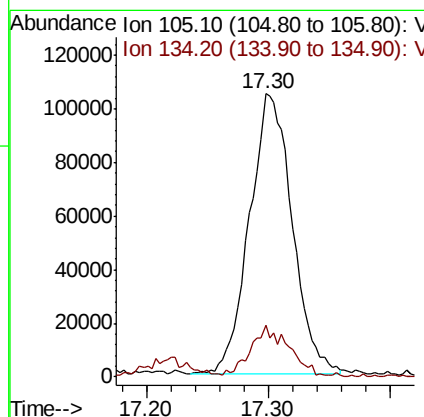
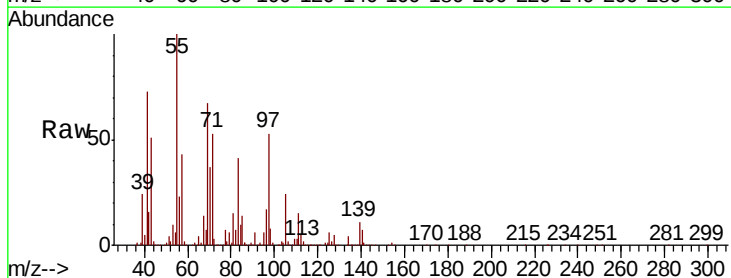
#66
Benzyl Chloride
Concen: 0.091 ppbv
RT: 16.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 14:55

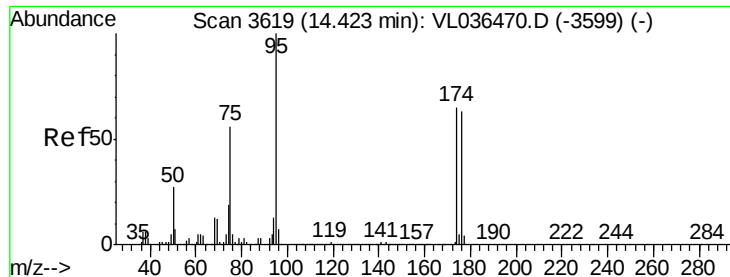
Tot Ion: 91 Resp: 5159
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 0.0 4.2 6.4#



#67
sec-Butylbenzene
Concen: 0.349 ppbv
RT: 17.30 min Scan# 4513
Delta R.T.: -0.01 min
Lab File: VL036486.D
Acq: 25 Mar 2021 14:55

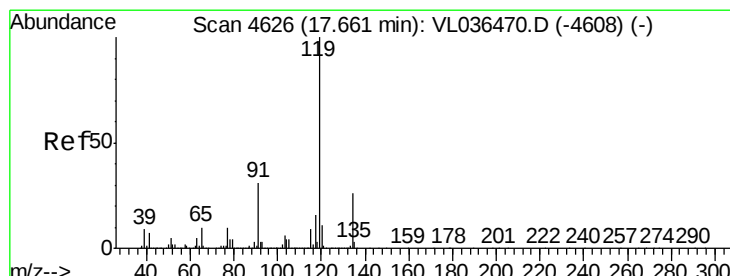
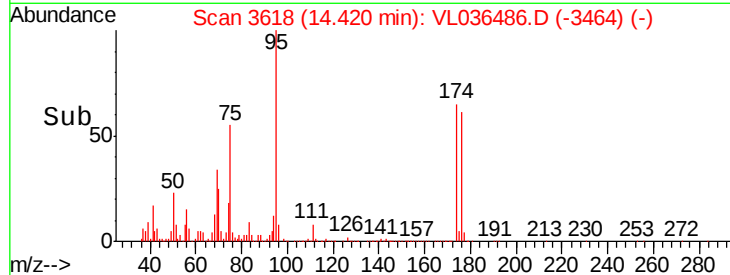
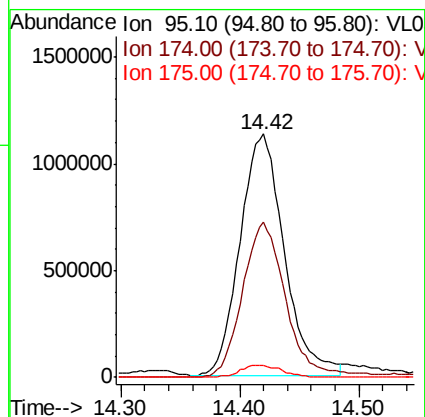
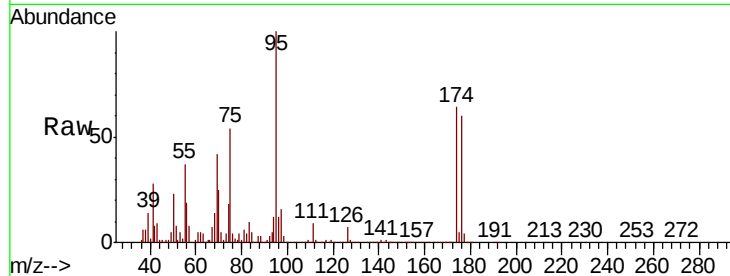
Tgt Ion: 105 Resp: 252071
Ion Ratio Lower Upper
105 100
134 17.1 14.7 22.1





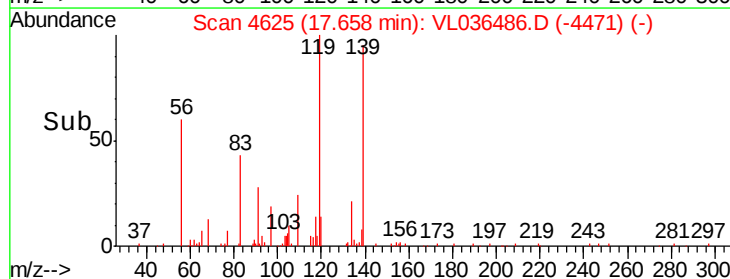
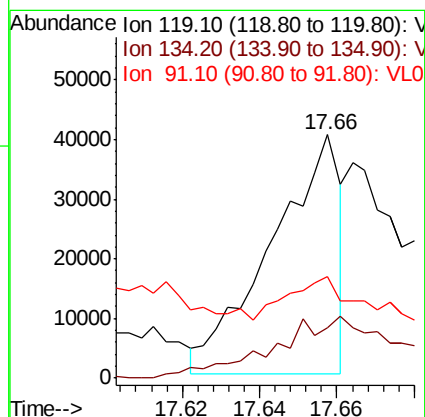
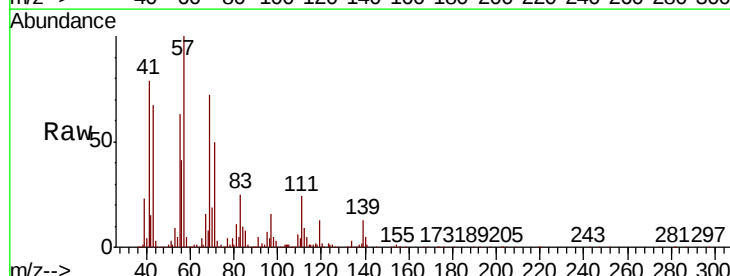
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.229 ppbv
 RT: 14.42 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 14:55

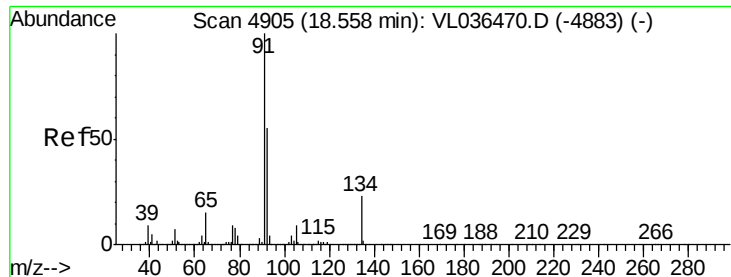
Tot Ion: 95 Resp: 2908398
 Ion Ratio Lower Upper
 95 100
 174 65.2 51.0 76.6
 175 5.1 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 0.088 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.00 min
 Lab File: VL036486.D
 Acq: 25 Mar 2021 14:55

Tgt Ion: 119 Resp: 49609
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.6 30.8#
 91 72.9 25.0 37.6#





#70

n-Butylbenzene

Concen: 0.036 ppbv

RT: 18.55 min

Delta R.T. MSVOLA

Lab File: ClientSampleId:

Acq: 25 Mar 2021 14:55

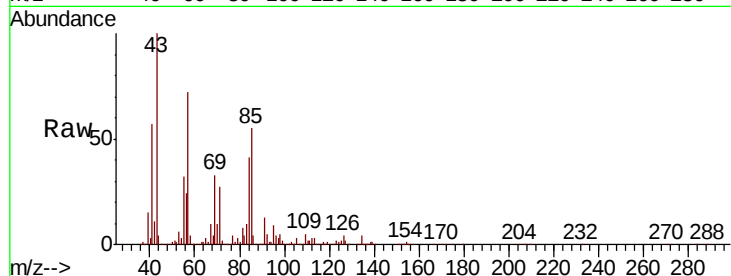
Tot Ion: 91 Resp: 21172

Ion Ratio Lower Upper

91 100

92 0.0 43.8 65.8#

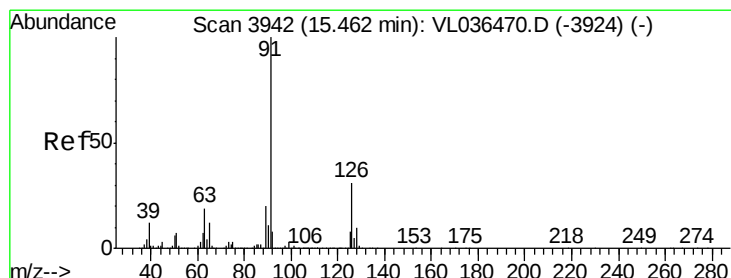
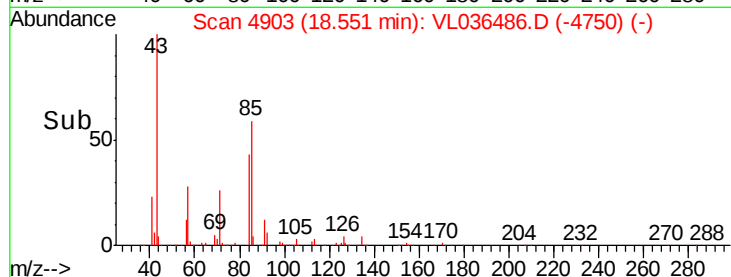
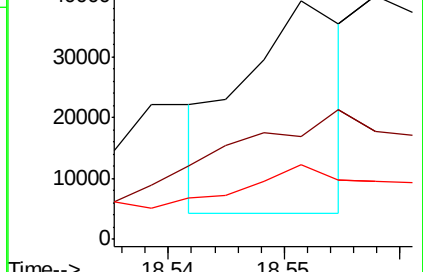
134 0.0 18.0 27.0#



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): VL0



#71

2-Chlorotoluene

Concen: 0.041 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VL036486.D

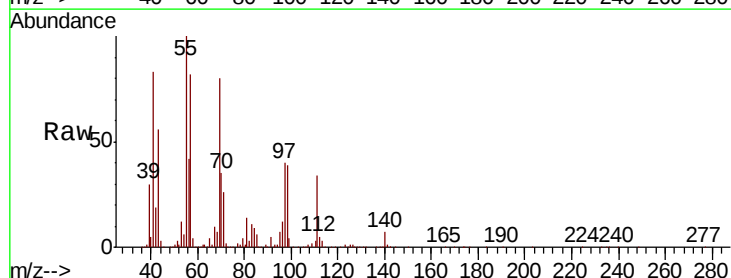
Acq: 25 Mar 2021 14:55

Tgt Ion: 91 Resp: 18148

Ion Ratio Lower Upper

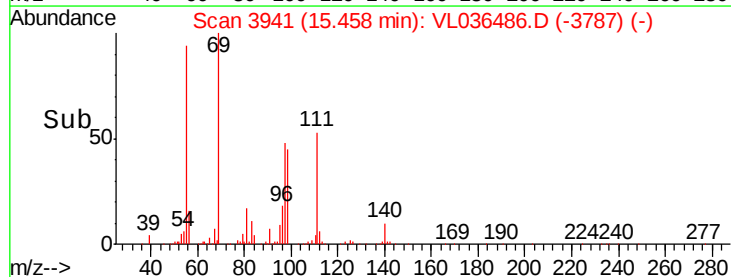
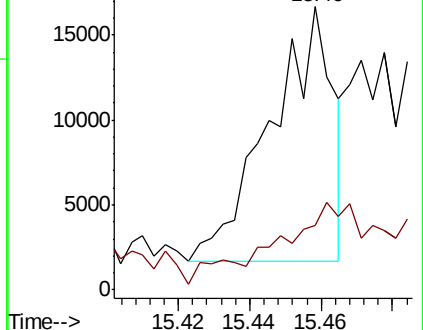
91 100

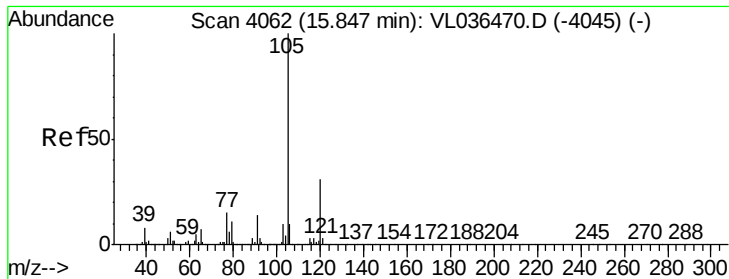
126 389.1 12.1 48.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0





#72

4-Ethyltoluene

Concen: 0.748 ppbv

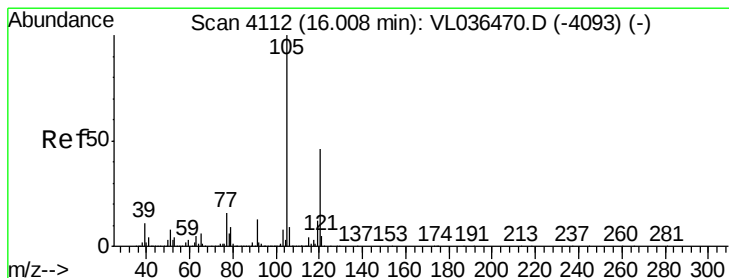
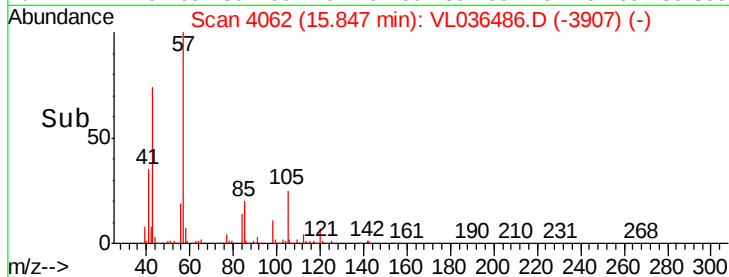
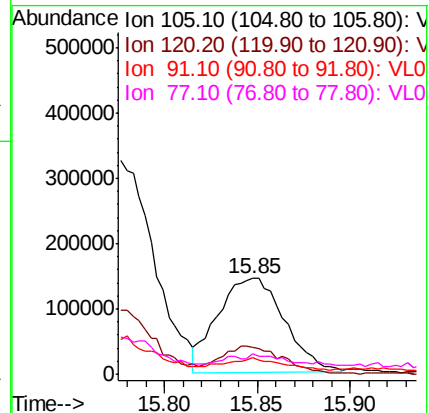
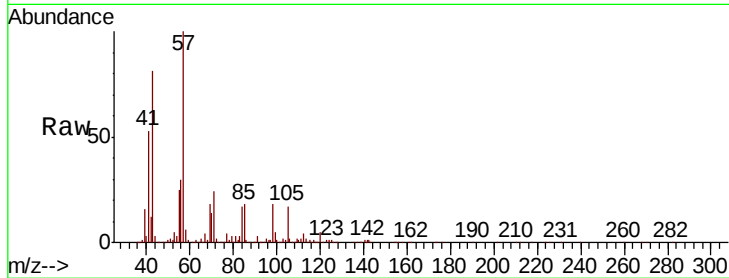
RT: 15.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 14:55

Tot Ion:	105	Resp:	358970
Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.0	36.0
91	13.4	11.0	16.4
77	26.1	11.7	17.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.644 ppbv

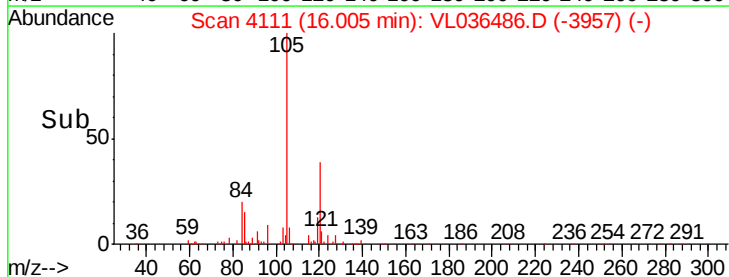
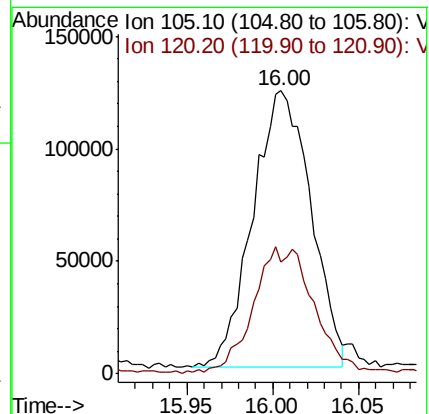
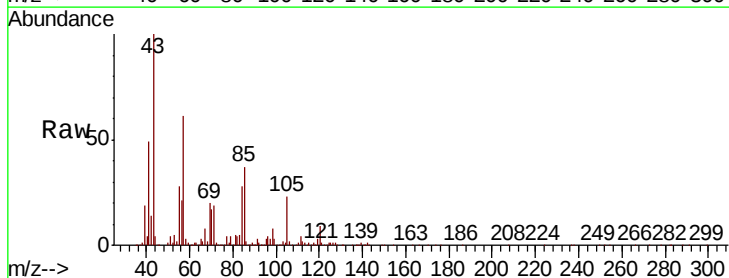
RT: 16.00 min Scan# 4111

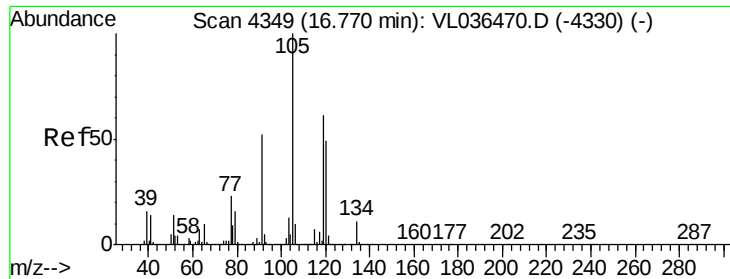
Delta R.T. -0.00 min

Lab File: VL036486.D

Acq: 25 Mar 2021 14:55

Tgt Ion:	105	Resp:	288067
Ion	Ratio	Lower	Upper
105	100		
120	39.8	36.6	54.8





#74

1,2,4-Trimethylbenzene

Concen: 1.477 ppbv

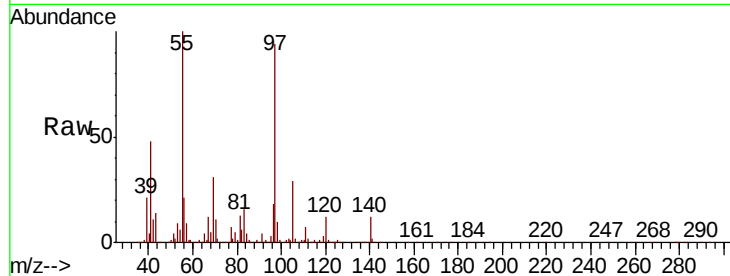
RT: 16.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 14:55

Tot Ion:	105	Resp:	707379
Ion	Ratio	Lower	Upper
105	100		
120	39.7	39.2	58.8
91	12.0	42.6	64.0#
77	17.0	18.6	28.0#

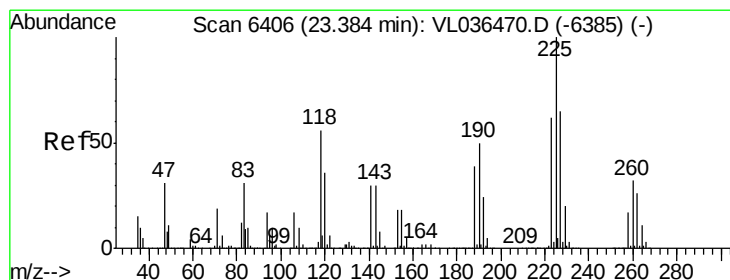
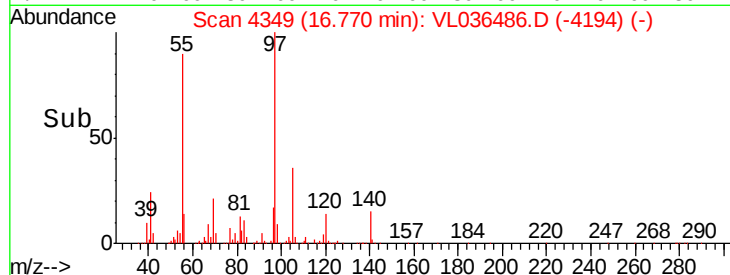
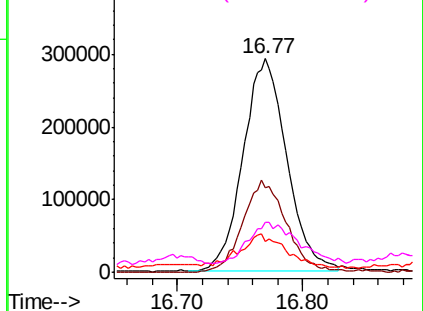


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#78

Hexachloro-1,3-Butadiene

Concen: 0.034 ppbv

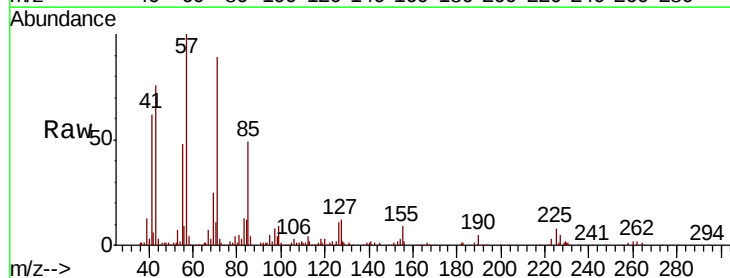
RT: 23.37 min Scan# 6403

Delta R.T. -0.01 min

Lab File: VL036486.D

Acq: 25 Mar 2021 14:55

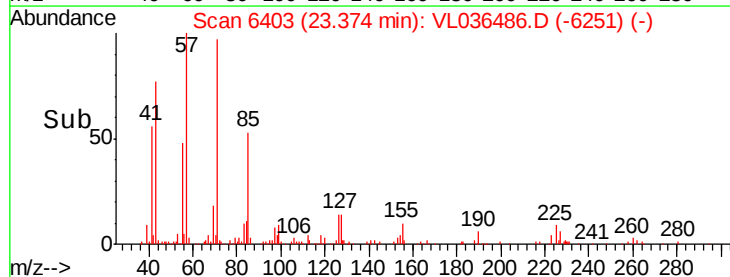
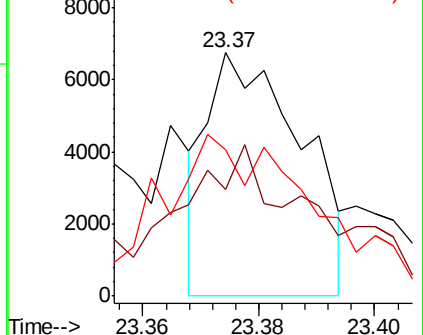
Tgt Ion:	225	Resp:	7617
Ion	Ratio	Lower	Upper
225	100		
223	112.8	50.6	75.8#
227	121.4	52.2	78.2#

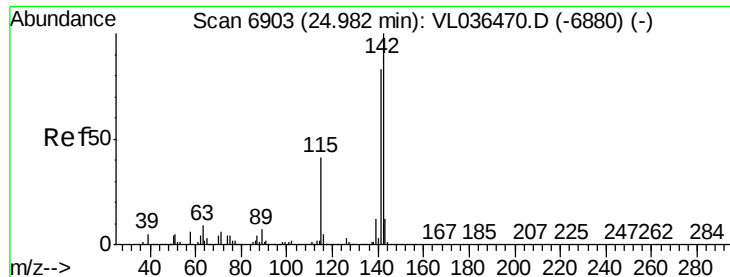


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#80

Naphthalene, 2-methyl-

Concen: 0.130 ppbv

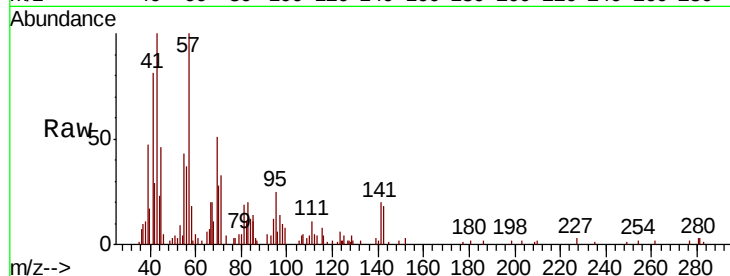
RT: 24.99

Delta R.T. MSVOA_L

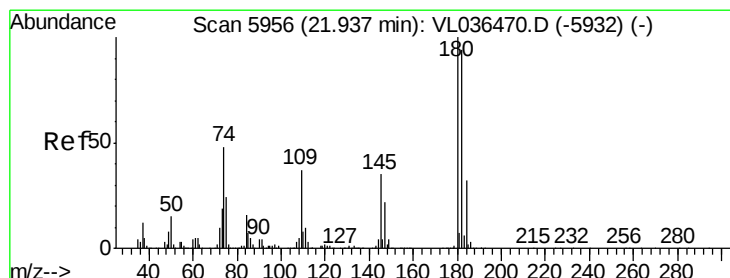
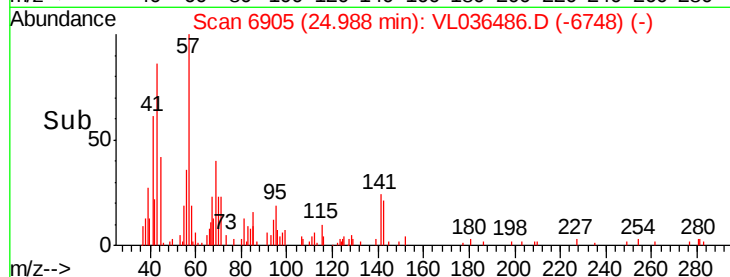
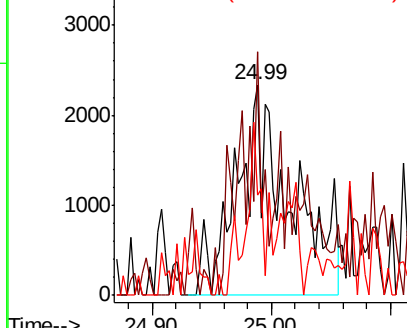
Lab File: ClientSampleId:

Acq: 25 Mar 2021 14:55

Tot Ion:	142	Resp:	7171
Ion	Ratio	Lower	Upper
142	100		
141	93.2	67.8	101.8
115	43.1	34.0	51.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.020 ppbv

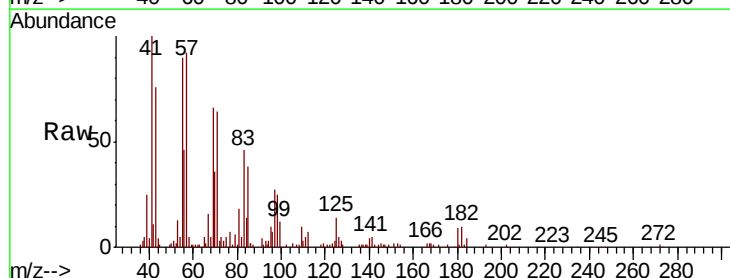
RT: 21.92 min Scan# 5951

Delta R.T. -0.02 min

Lab File: VL036486.D

Acq: 25 Mar 2021 14:55

Tgt Ion:	180	Resp:	3496
Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.8	121.2#
184	0.0	25.0	37.4#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V

