

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036472.D
 Acq On : 25 Mar 2021 3:20
 Operator :
 Sample : VSTDIC01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:54:16 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 07:52:30 2021
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1559404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3789327	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3477525	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2693812	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	297232	1.319 ppbv	92
3) Chlorodifluoromethane	2.99	51	330004	1.622 ppbv	97
4) Chloromethane	3.14	50	112162	1.246 ppbv	90
5) Vinyl Chloride	3.26	62	105260	1.236 ppbv	96
6) Bromomethane	3.47	94	61895	1.172 ppbv	87
7) Chloroethane	3.56	64	18570	0.584 ppbv #	87
8) Dichlorotetrafluoroethane	3.19	85	279640	1.283 ppbv	97
9) Propene	3.01	41	97682	1.179 ppbv	91
10) Heptane	8.12	43	256733	1.254 ppbv	98
11) Trichlorofluoromethane	3.95	101	288415	1.260 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	184933	1.259 ppbv	98
13) Ethanol	3.62	45	5276	0.444 ppbv #	34
14) Bromoethene	3.74	108	53620	0.881 ppbv #	56
15) Acetone	3.86	43	161992	0.931 ppbv #	74
16) 1,3-Butadiene	3.33	39	97400	1.080 ppbv	83
17) tert-Butyl alcohol	4.30	59	160760	1.154 ppbv	94
18) 1,1-Dichloroethene	4.29	96	70470	1.073 ppbv	87
19) Isopropyl Alcohol	3.98	45	56336	0.580 ppbv #	74
20) Methylene Chloride	4.35	84	81154	1.297 ppbv	94
21) Allyl Chloride	4.41	41	125741	1.198 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	70520	1.179 ppbv	82
23) Vinyl Acetate	5.08	43	233253	1.102 ppbv #	94
24) 1,1-Dichloroethane	5.01	63	209250	1.268 ppbv	97
25) Ethyl Acetate	5.69	43	413909	1.187 ppbv #	97
26) Hexane	5.69	57	188251	1.279 ppbv	94
27) Carbon Disulfide	4.55	76	154821	1.068 ppbv #	90
28) Methyl tert-Butyl Ether	5.04	73	218202	1.134 ppbv	100
29) Chloroform	5.75	83	293749	1.231 ppbv	97
30) Cyclohexane	7.14	84	81150	0.667 ppbv #	15
31) cis-1,2-Dichloroethene	5.55	61	95044	0.667 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	286250	1.197 ppbv	97
34) 2-Butanone	5.25	43	163792	0.740 ppbv #	84
35) Carbon Tetrachloride	7.01	117	295400	1.185 ppbv	92
36) Benzene	6.89	78	378473	1.254 ppbv	96
37) 1,2-Dichloroethane	6.31	62	225480	1.196 ppbv	100
38) Trichloroethene	7.84	130	137520	1.214 ppbv	98
39) 1,2-Dichloropropane	7.61	63	83107	0.645 ppbv	96
40) 1,4-Dioxane	7.85	88	6186	0.157 ppbv #	1
41) Tetrahydrofuran	6.07	42	69096	0.589 ppbv	92
42) Bromodichloromethane	7.79	83	299308	1.174 ppbv	93
43) Methyl Methacrylate	8.02	69	119743	1.014 ppbv	99

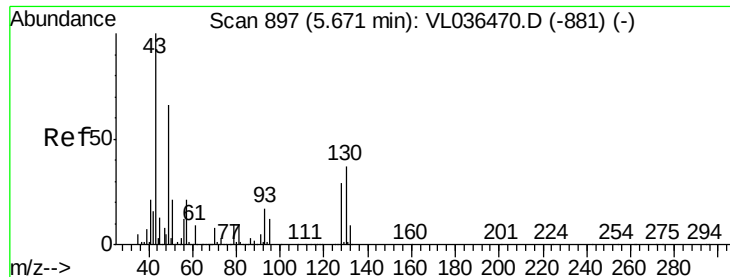
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036472.D
 Acq On : 25 Mar 2021 3:20
 Operator :
 Sample : VSTDIC01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:54:16 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 07:52:30 2021
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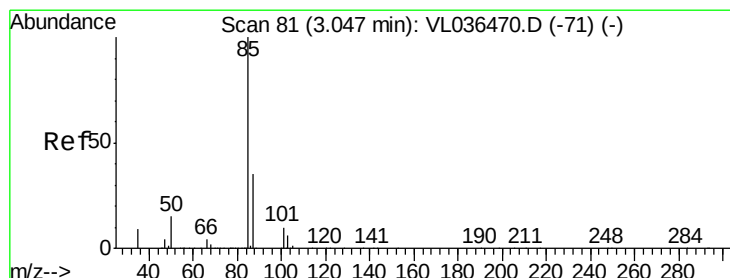
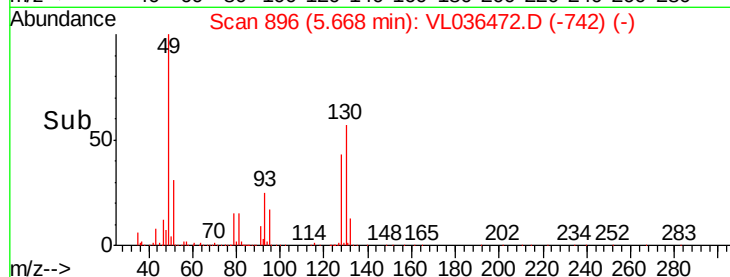
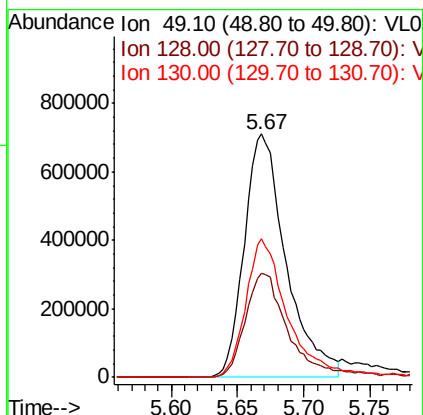
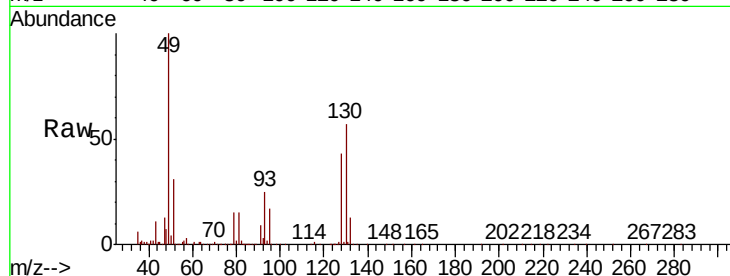
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	691857	1.265	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	112595	0.954	ppbv	94
46) cis-1,3-Dichloropropene	8.70	75	65880	0.428	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	150283	1.179	ppbv	89
48) Dibromochloromethane	10.30	129	224702	1.161	ppbv	100
49) Bromoform	13.04	173	173482	1.099	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	263886	0.828	ppbv	100
51) 2-Hexanone	10.15	43	118252	0.522	ppbv #	99
52) Tetrachloroethene	11.23	164	72745	0.647	ppbv	91
53) Toluene	9.81	91	394707	1.213	ppbv	100
54) 1,2-Dibromoethane	10.61	107	118834	0.648	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.13	131	166299	1.070	ppbv #	70
57) Chlorobenzene	12.15	112	327284	1.265	ppbv	97
58) Ethyl Benzene	12.71	91	543929	1.219	ppbv	91
59) m/p-Xylene	13.00	91	466138	1.189	ppbv #	33
60) o-Xylene	13.70	91	478538	1.271	ppbv	96
61) Styrene	13.54	104	204936	0.925	ppbv	95
62) Isopropylbenzene	14.67	105	634485	1.138	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	351545	1.207	ppbv	100
64) n-propylbenzene	15.57	120	70684	0.509	ppbv #	1
65) tert-Butylbenzene	16.75	119	551949	1.138	ppbv	93
66) Benzyl Chloride	16.99	91	8407	0.074	ppbv #	66
67) sec-Butylbenzene	17.30	105	792379	1.172	ppbv	96
69) p-Isopropyltoluene	17.66	119	597953	1.105	ppbv	99
70) n-Butylbenzene	18.55	91	611295	1.094	ppbv	97
71) 2-Chlorotoluene	15.46	91	467964	1.120	ppbv	98
72) 4-Ethyltoluene	15.85	105	236443	0.577	ppbv #	53
73) 1,3,5-Trimethylbenzene	16.00	105	454423	1.150	ppbv	91
74) 1,2,4-Trimethylbenzene	16.76	105	264946	0.632	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	141037	0.601	ppbv #	22
76) 1,4-Dichlorobenzene	17.14	146	259828	1.110	ppbv	94
77) 1,2-Dichlorobenzene	17.82	146	254367	1.115	ppbv	95
78) Hexachloro-1,3-Butadiene	23.39	225	239510	1.293	ppbv	94
79) Naphthalene	22.21	128	97691	0.391	ppbv	96
80) Naphthalene, 2-methyl-	25.00	142	18221	0.343	ppbv #	85
81) 1,2,4-Trichlorobenzene	21.94	180	138119	0.947	ppbv #	84

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



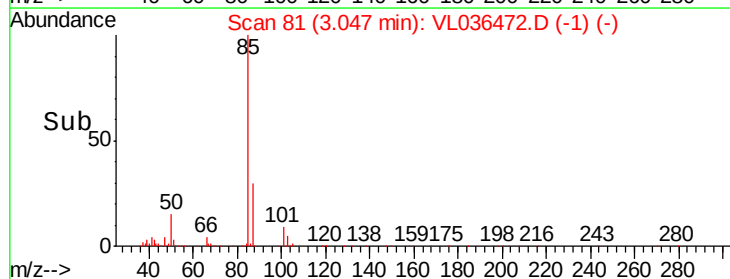
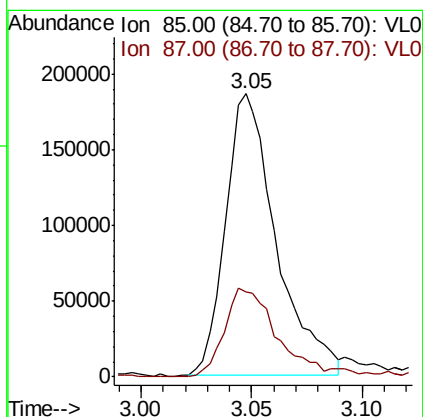
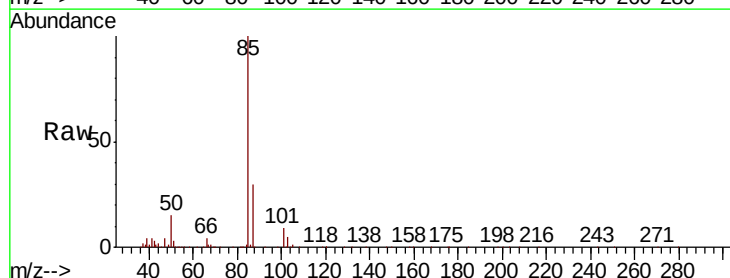
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

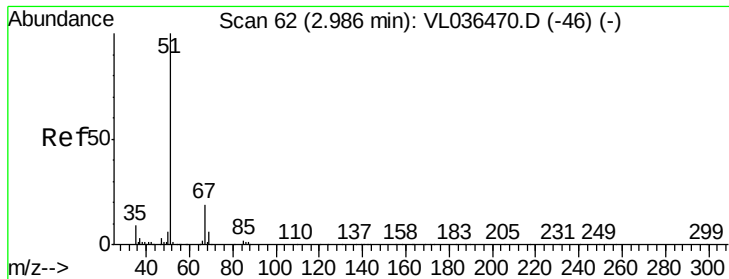
Tot Ion: 49 Resp: 1559404
 Ion Ratio Lower Upper
 49 100
 128 46.0 23.6 70.8
 130 59.1 29.3 87.8



#2
 Dichlorodifluoromethane
 Concen: 1.319 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion: 85 Resp: 297232
 Ion Ratio Lower Upper
 85 100
 87 30.1 27.8 41.8





#3

Chlorodifluoromethane

Concen: 1.622 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

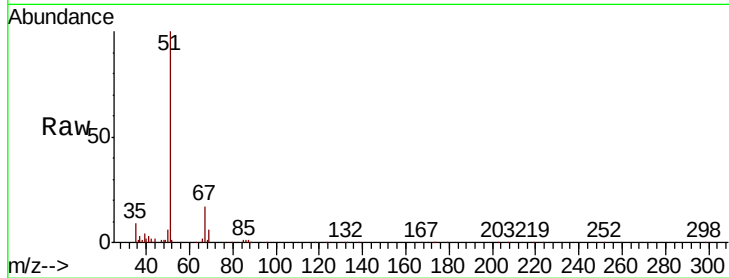
Acq: 25 Mar 2021 3:20

Tot Ion: 51 Resp: 330004

Ion Ratio Lower Upper

51 100

67 17.0 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

200000

150000

100000

50000

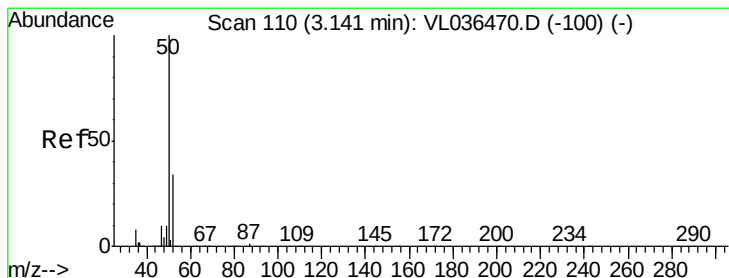
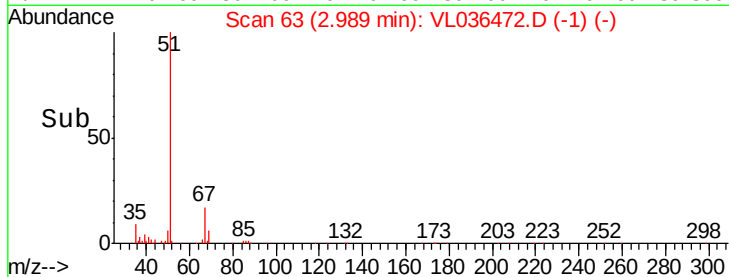
0

2.90

3.00

3.10

Time-->



#4

Chloromethane

Concen: 1.246 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036472.D

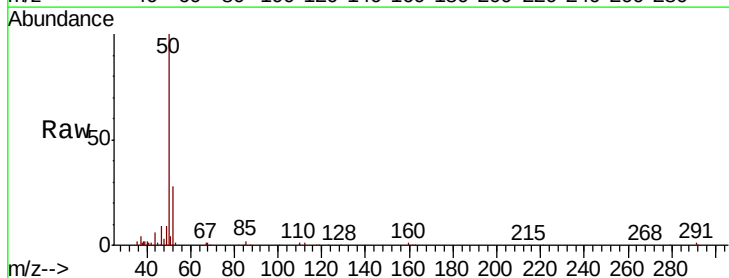
Acq: 25 Mar 2021 3:20

Tgt Ion: 50 Resp: 112162

Ion Ratio Lower Upper

50 100

52 28.1 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

80000

60000

40000

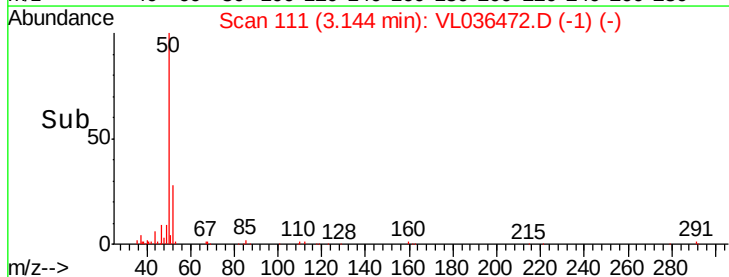
20000

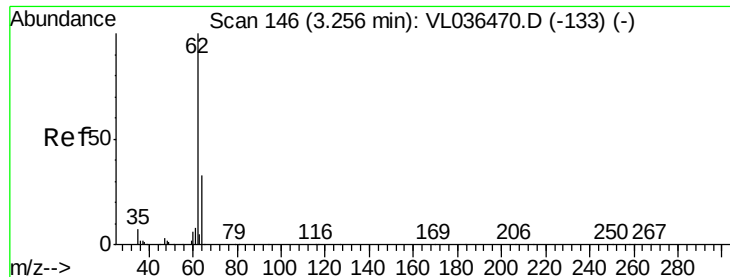
0

3.10

3.15

Time-->





#5

Vinyl Chloride

Concen: 1.236 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

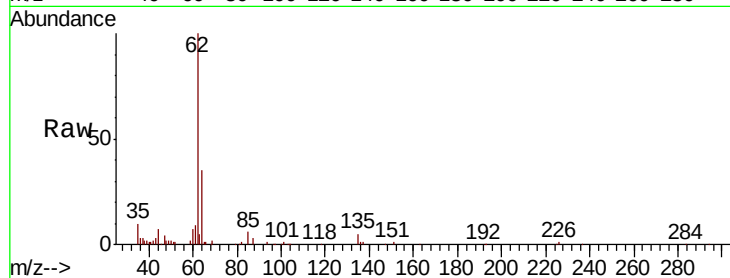
Acq: 25 Mar 2021 3:20

Tot Ion: 62 Resp: 105260

Ion Ratio Lower Upper

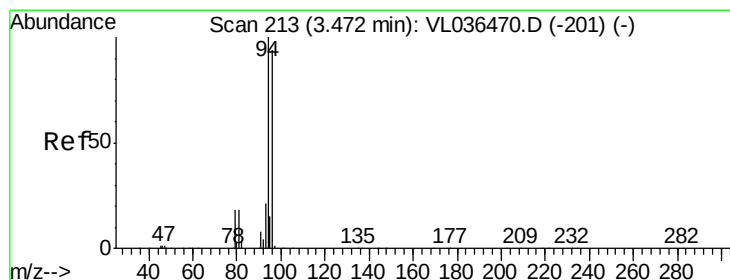
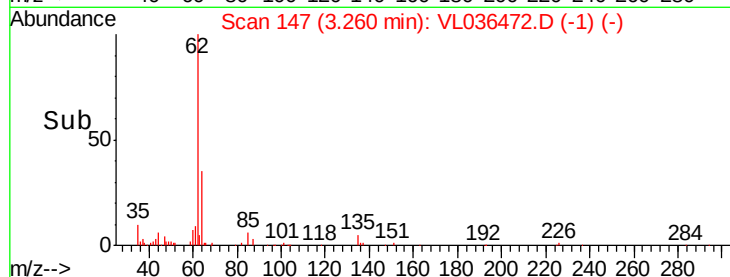
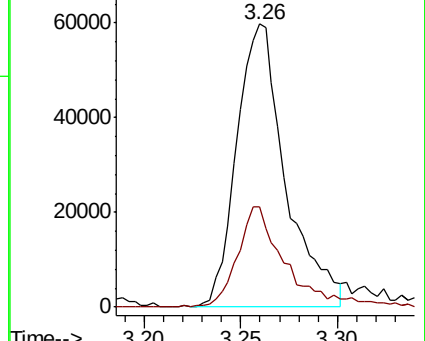
62 100

64 35.3 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.172 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036472.D

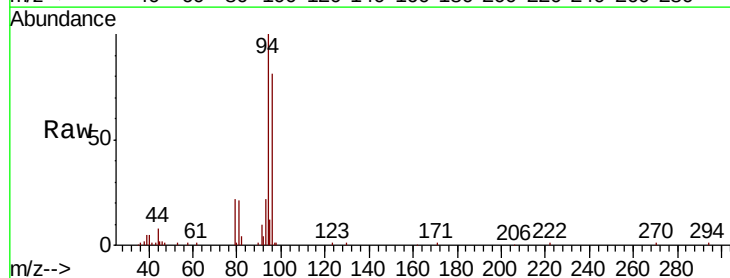
Acq: 25 Mar 2021 3:20

Tgt Ion: 94 Resp: 61895

Ion Ratio Lower Upper

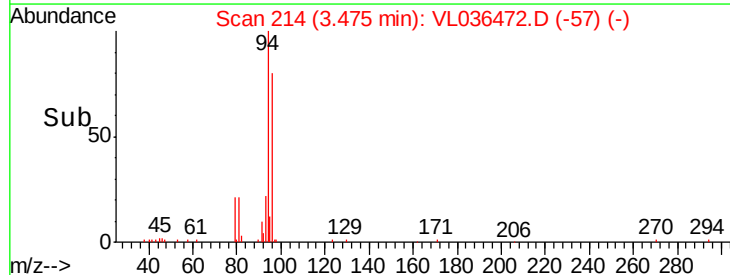
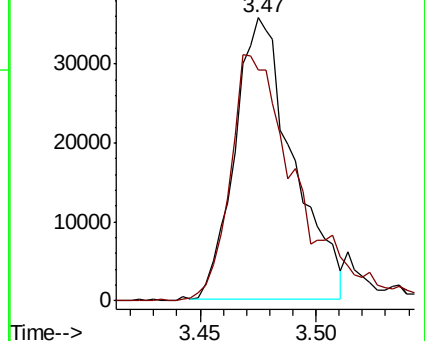
94 100

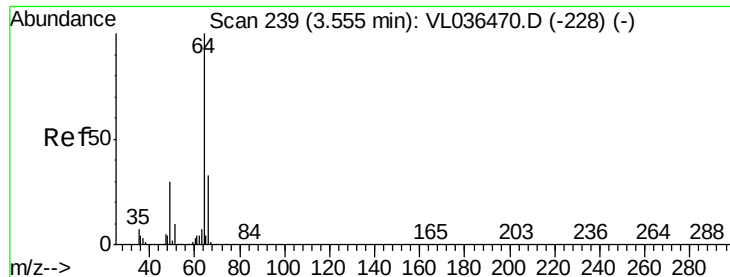
96 81.2 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.584 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

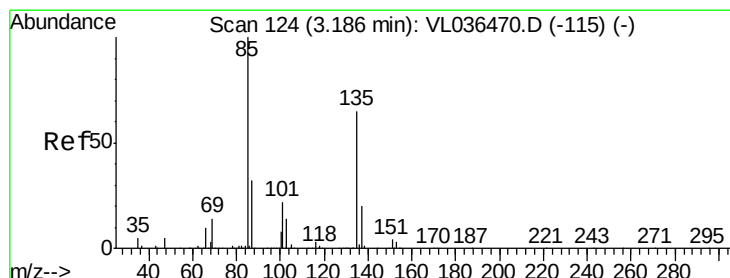
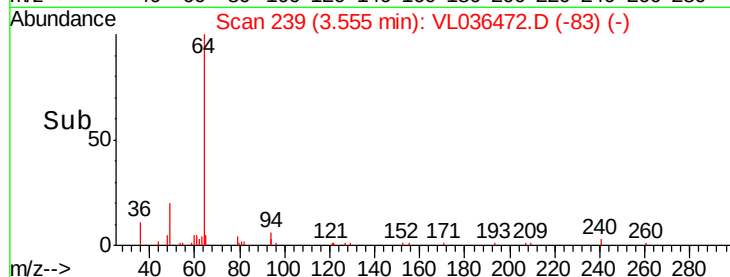
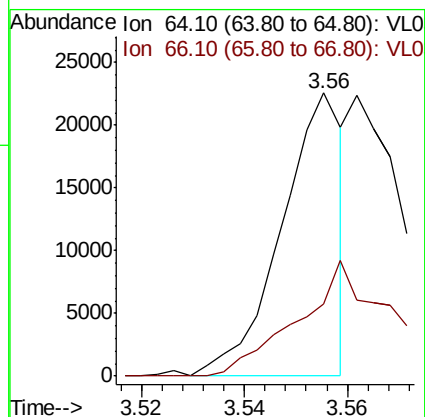
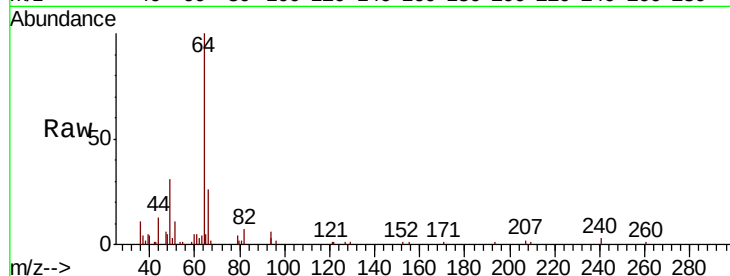
Acq: 25 Mar 2021 3:20

Tot Ion: 64 Resp: 18570

Ion Ratio Lower Upper

64 100

66 25.6 26.2 39.2#



#8

Dichlorotetrafluoroethane

Concen: 1.283 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036472.D

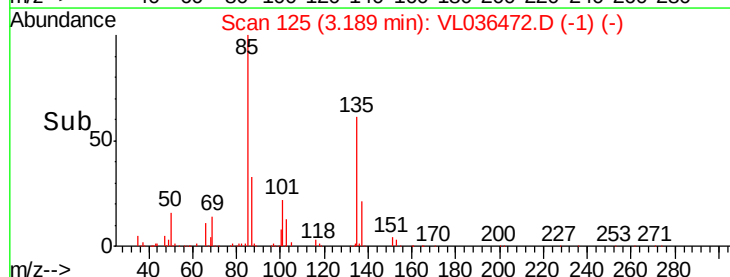
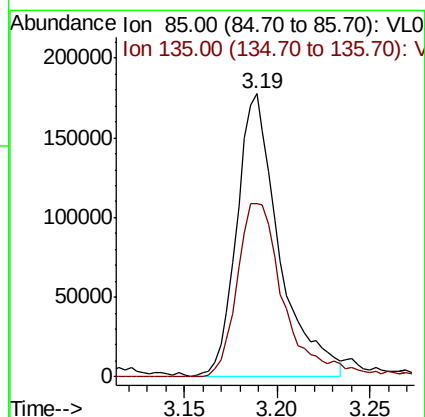
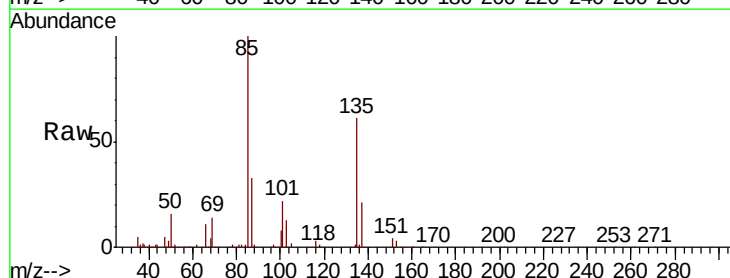
Acq: 25 Mar 2021 3:20

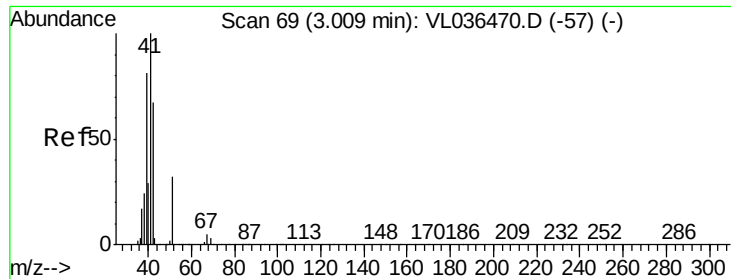
Tgt Ion: 85 Resp: 279640

Ion Ratio Lower Upper

85 100

135 70.3 54.3 81.5





#9

Propene

Concen: 1.179 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

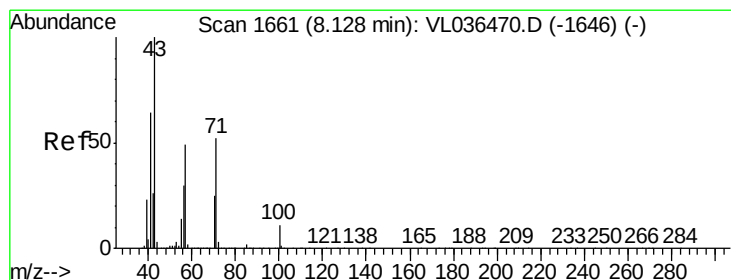
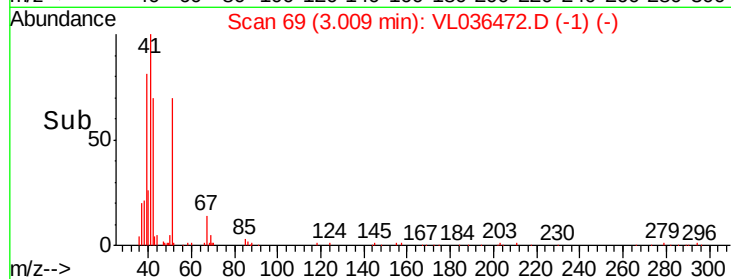
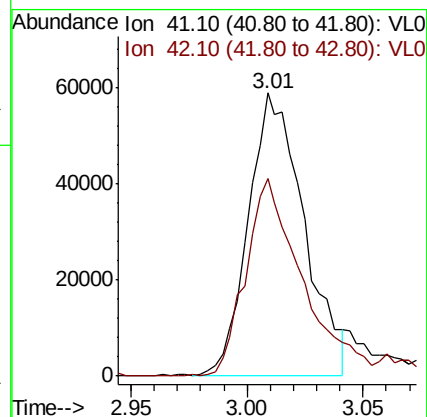
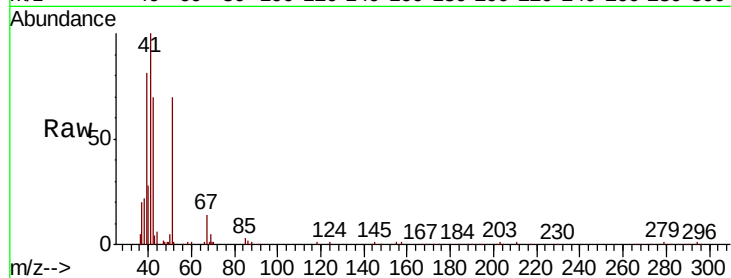
Acq: 25 Mar 2021 3:20

Tot Ion: 41 Resp: 97682

Ion Ratio Lower Upper

41 100

42 78.4 57.0 85.4



#10

Heptane

Concen: 1.254 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036472.D

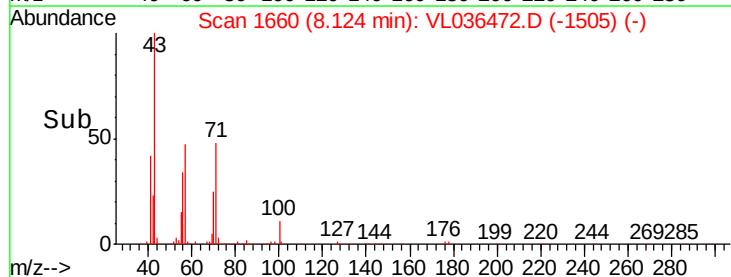
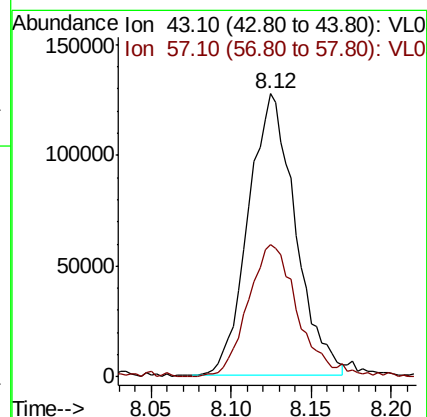
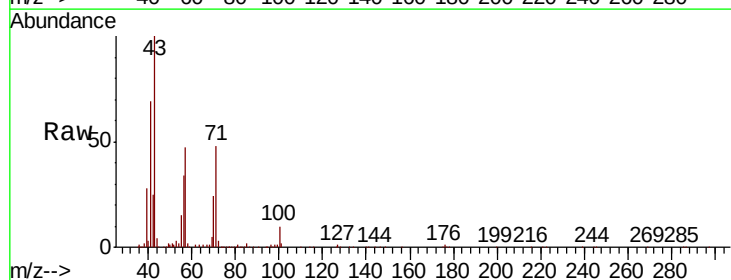
Acq: 25 Mar 2021 3:20

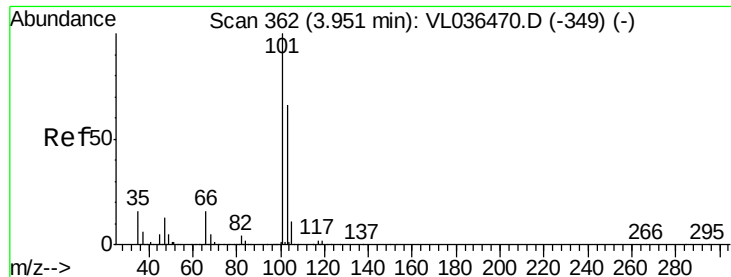
Tgt Ion: 43 Resp: 256733

Ion Ratio Lower Upper

43 100

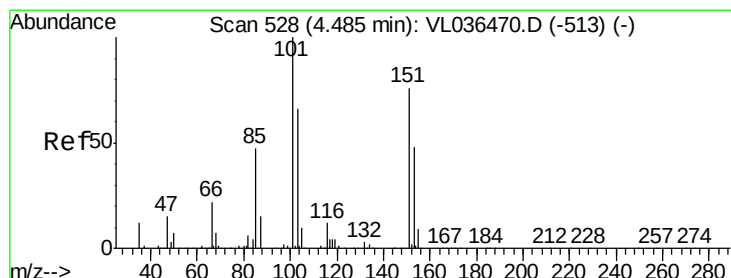
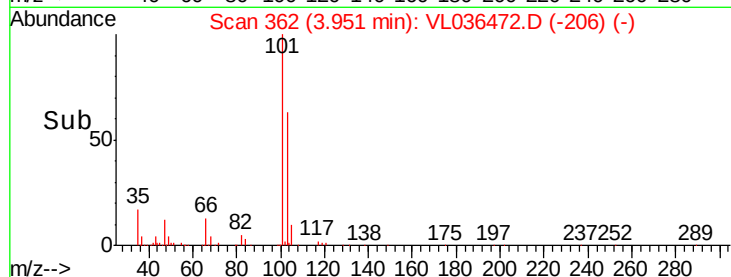
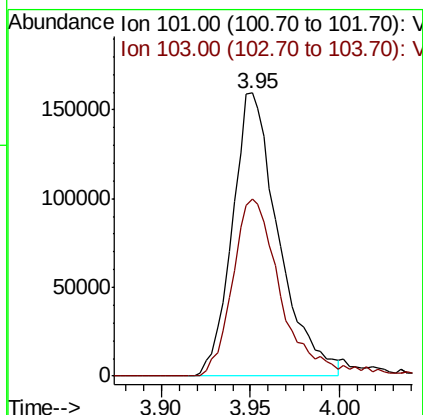
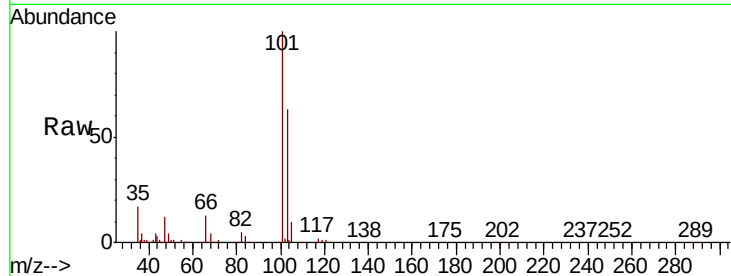
57 50.2 39.4 59.0





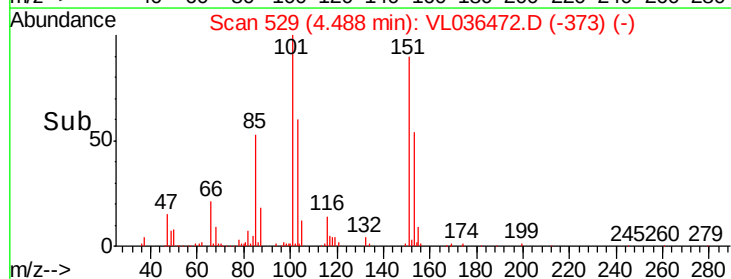
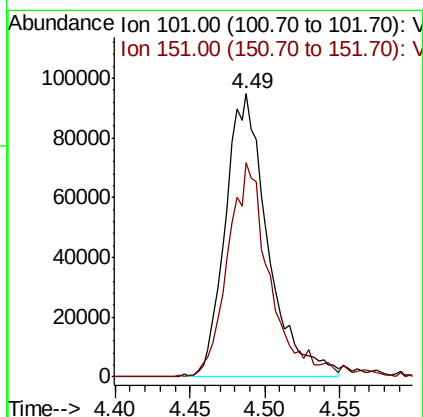
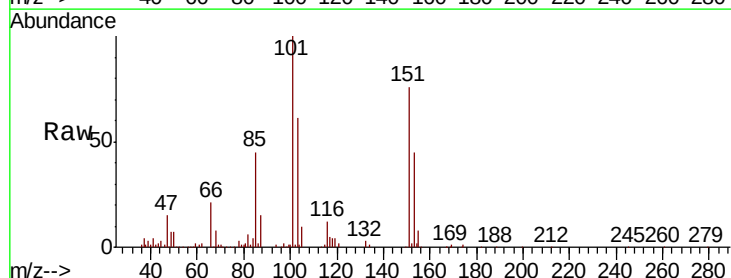
#11
 Trichlorofluoromethane
 Concen: 1.260 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

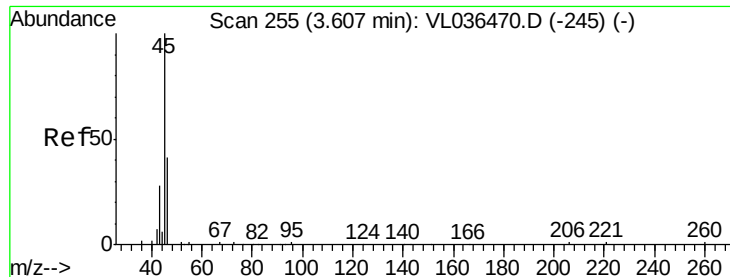
Tot Ion:101 Resp: 288415
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.259 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

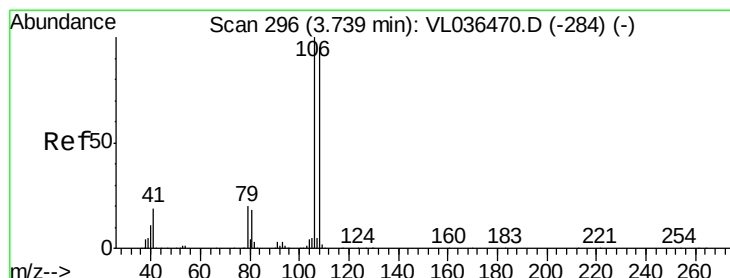
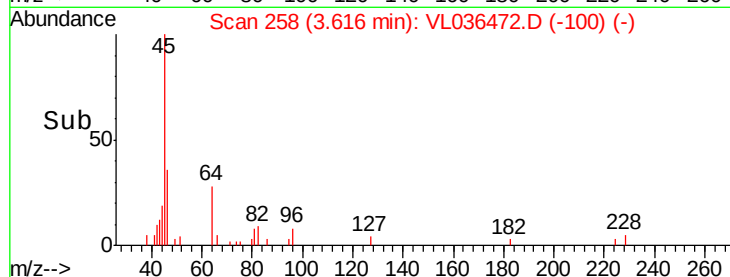
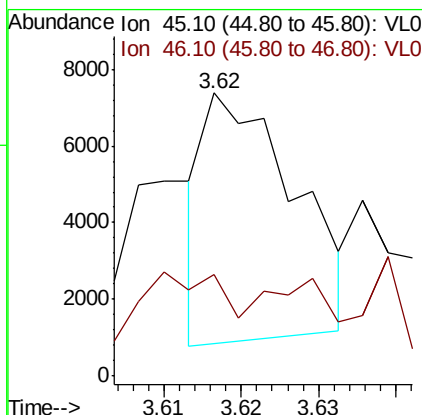
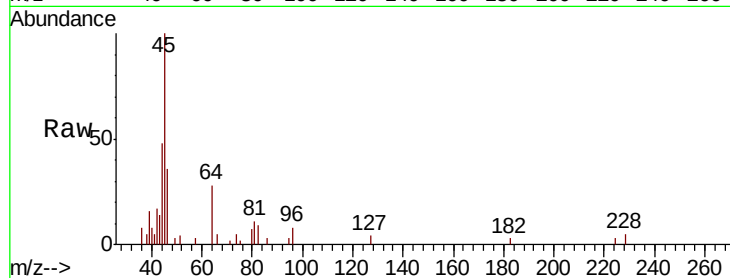
Tgt Ion:101 Resp: 184933
 Ion Ratio Lower Upper
 101 100
 151 77.7 60.9 91.3





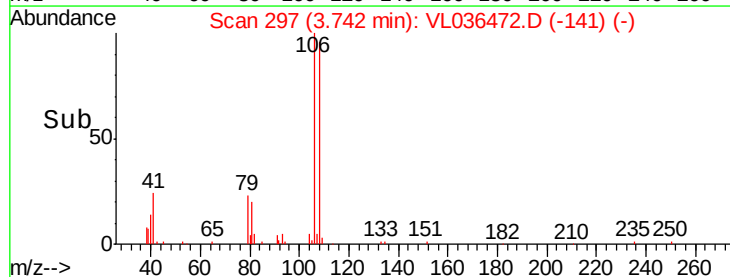
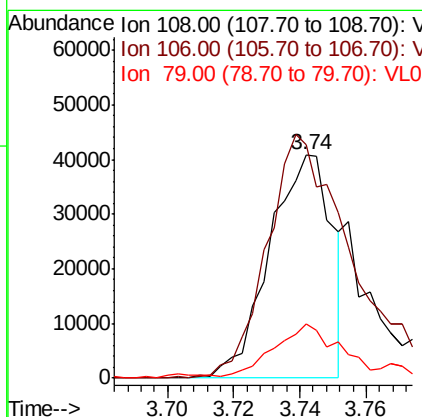
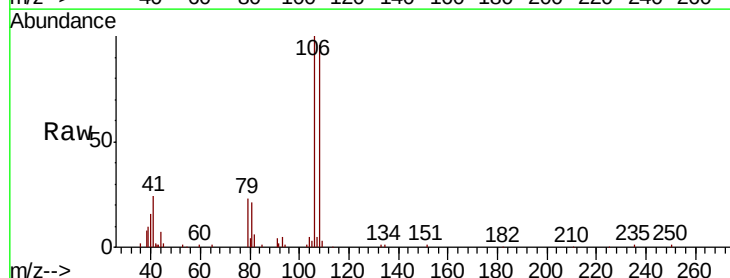
#13
 Ethanol
 Concen: 0.444 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 3:20

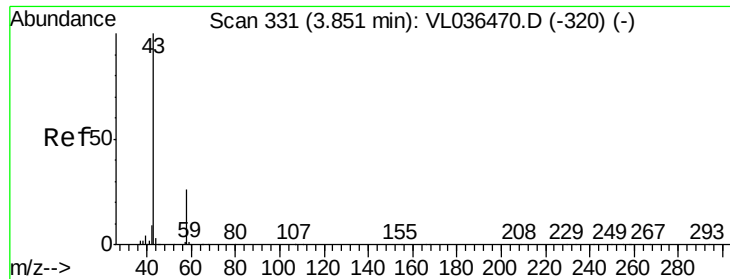
Tot Ion: 45 Resp: 5276
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.6 66.4#



#14
 Bromoethene
 Concen: 0.881 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion: 108 Resp: 53620
 Ion Ratio Lower Upper
 108 100
 106 162.3 89.0 133.4#
 79 30.8 16.8 25.2#





#15

Acetone

Concen: 0.931 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

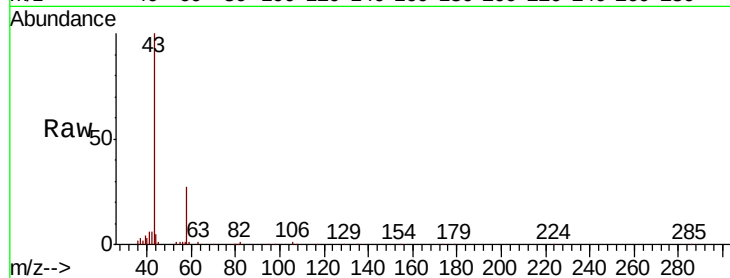
Acq: 25 Mar 2021 3:20

Tot Ion: 43 Resp: 161992

Ion Ratio Lower Upper

43 100

58 39.9 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

100000

80000

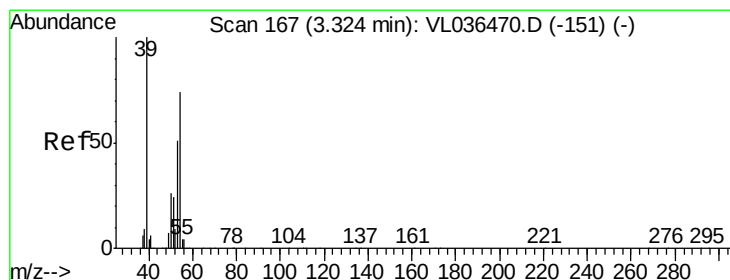
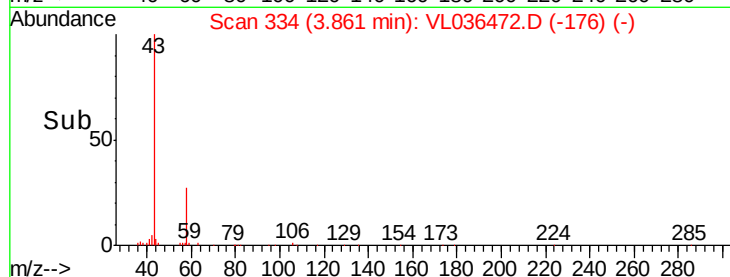
60000

40000

20000

0

Time--> 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 1.080 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036472.D

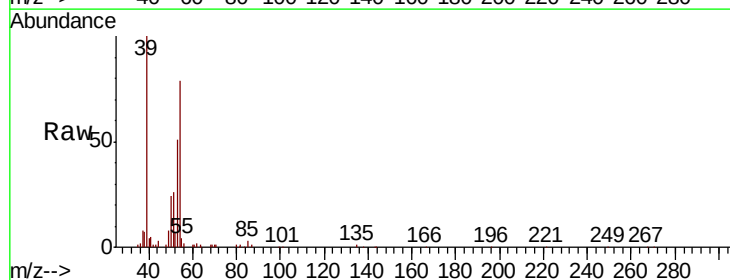
Acq: 25 Mar 2021 3:20

Tgt Ion: 39 Resp: 97400

Ion Ratio Lower Upper

39 100

54 87.7 59.0 88.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

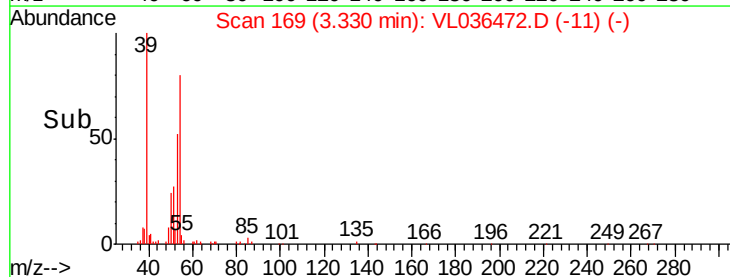
60000

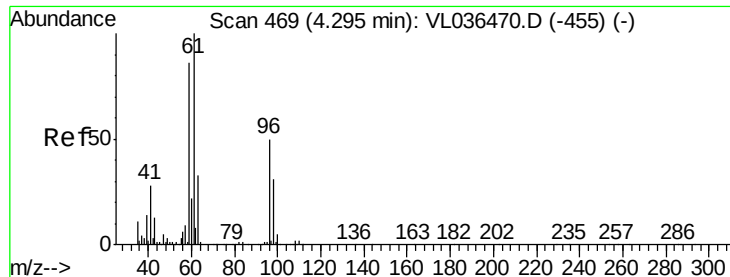
40000

20000

0

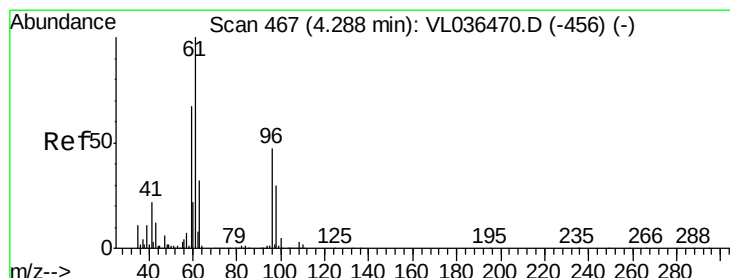
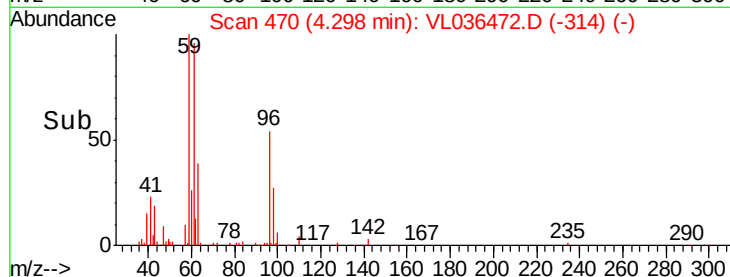
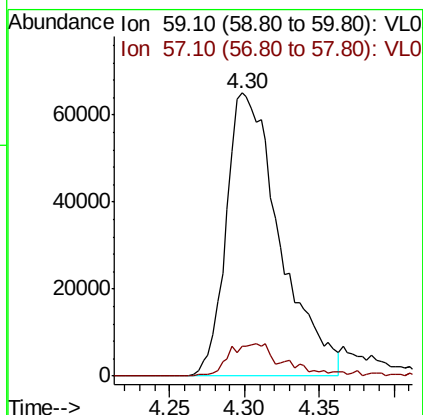
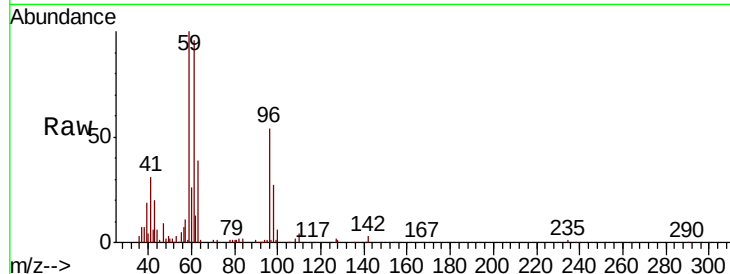
Time--> 3.30 3.35





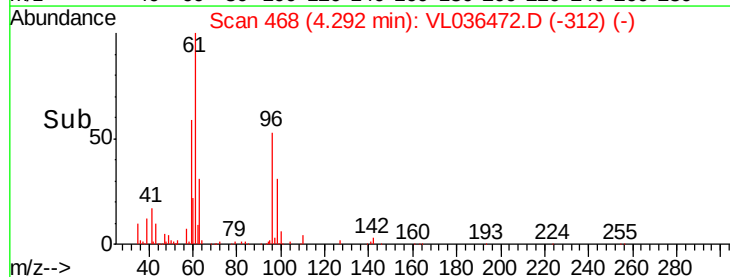
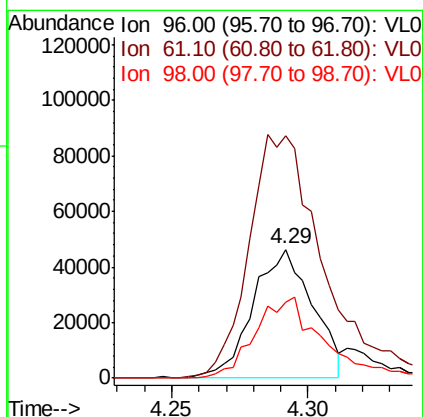
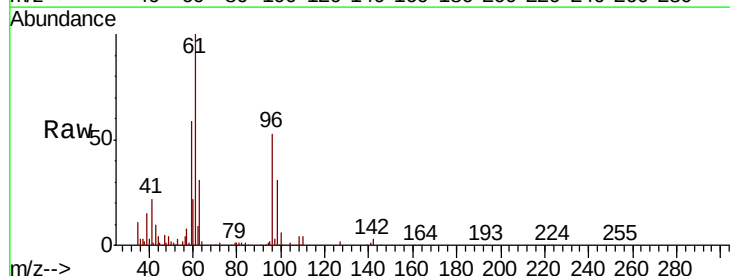
#17
 tert-Butyl alcohol
 Concen: 1.154 ppbv
 RT: 4.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 3:20

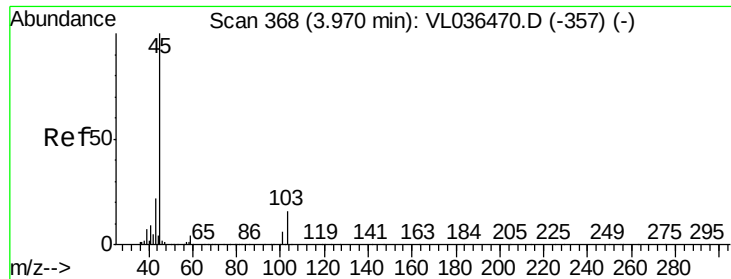
Tot Ion: 59 Resp: 160760
 Ion Ratio Lower Upper
 59 100
 57 13.1 8.8 13.2



#18
 1,1-Dichloroethene
 Concen: 1.073 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion: 96 Resp: 70470
 Ion Ratio Lower Upper
 96 100
 61 186.8 168.6 253.0
 98 58.1 50.8 76.2





#19

Isopropyl Alcohol

Concen: 0.580 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

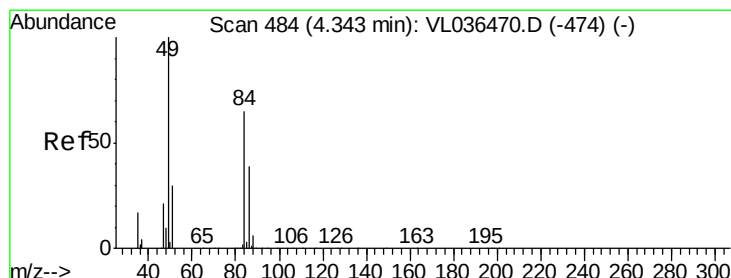
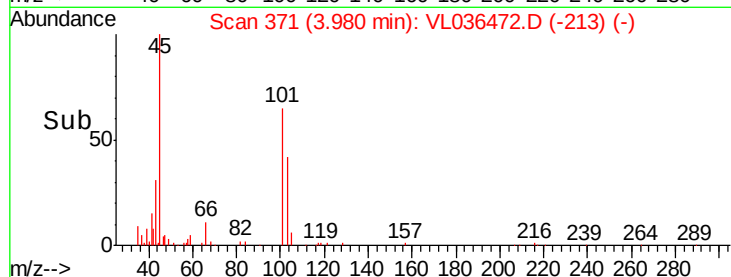
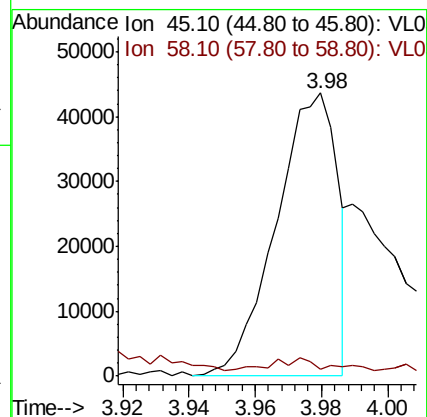
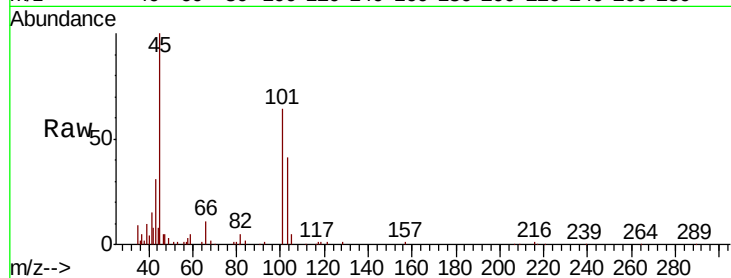
Acq: 25 Mar 2021 3:20

Tot Ion: 45 Resp: 56336

Ion Ratio Lower Upper

45 100

58 11.5 2.3 3.5#



#20

Methylene Chloride

Concen: 1.297 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

Tgt Ion: 84 Resp: 81154

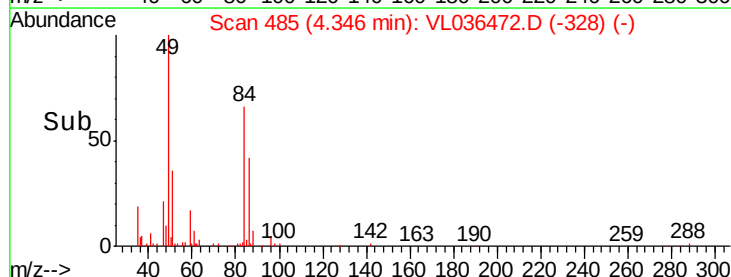
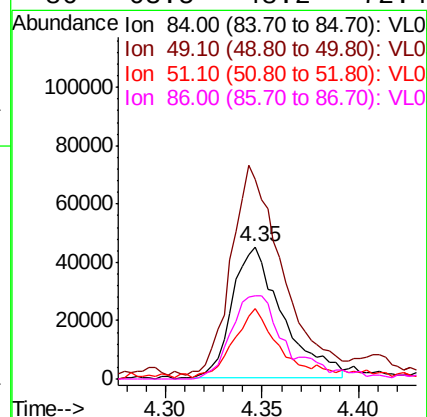
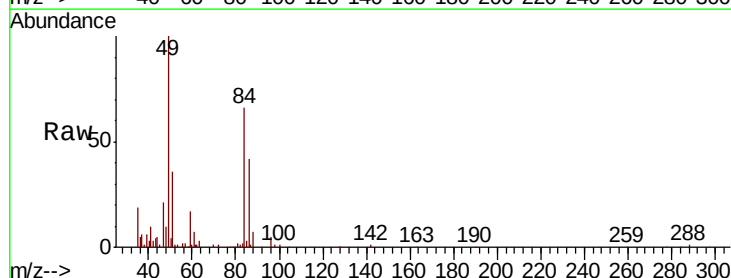
Ion Ratio Lower Upper

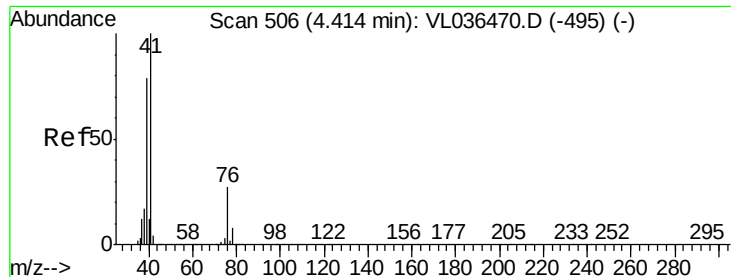
84 100

49 146.2 122.9 184.3

51 53.2 36.9 55.3

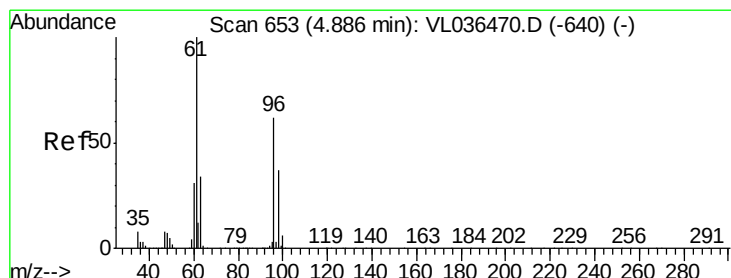
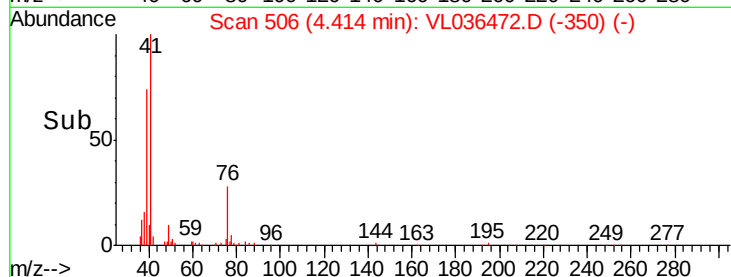
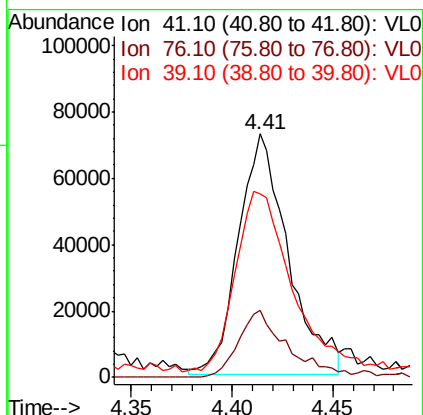
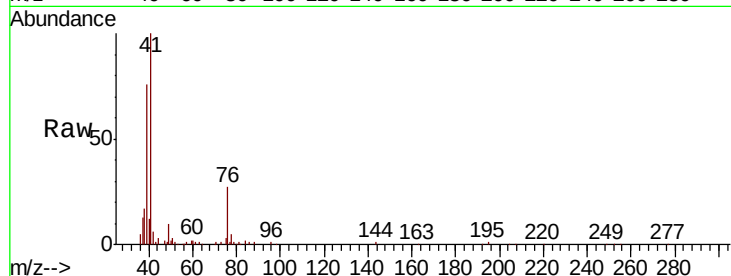
86 63.5 48.2 72.4





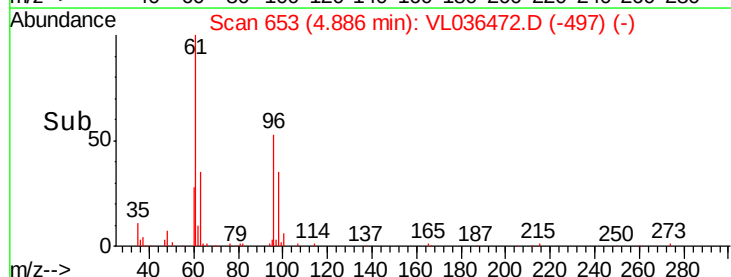
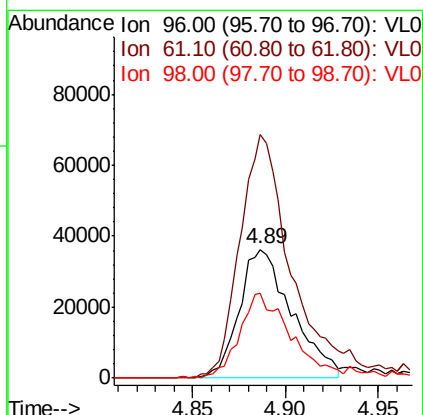
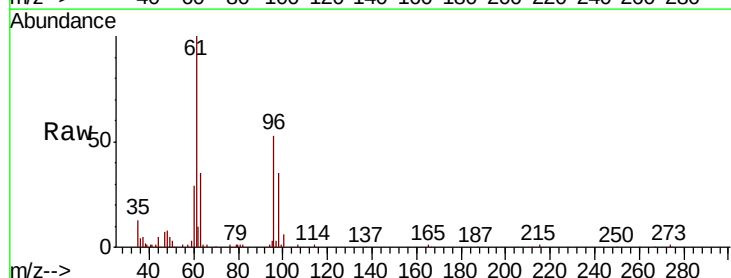
#21
 Allvl Chloride
 Concen: 1.198 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

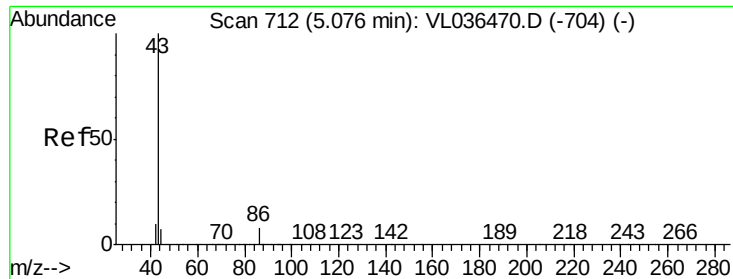
Tot Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.9	34.3
39	91.5	69.4	104.0



#22
 trans-1,2-Dichloroethene
 Concen: 1.179 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.1	129.4	194.0
98	65.9	48.2	72.4





#23

Vinyl Acetate

Concen: 1.102 ppbv

RT: 5.08 Instrument:

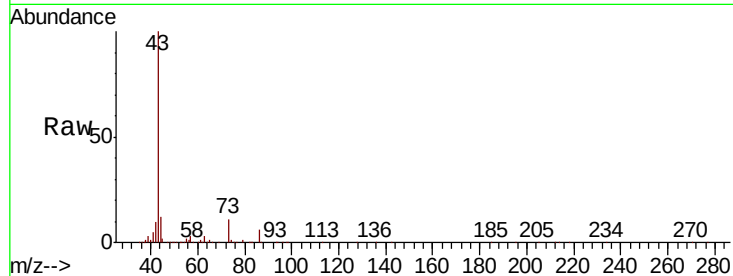
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

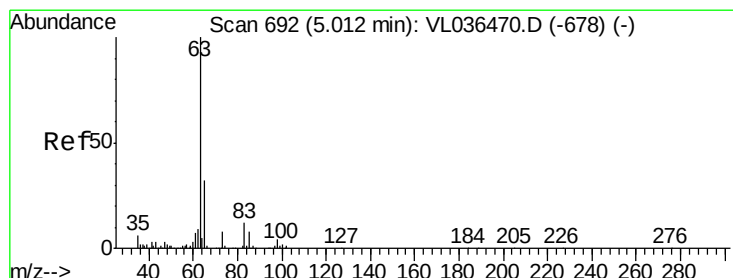
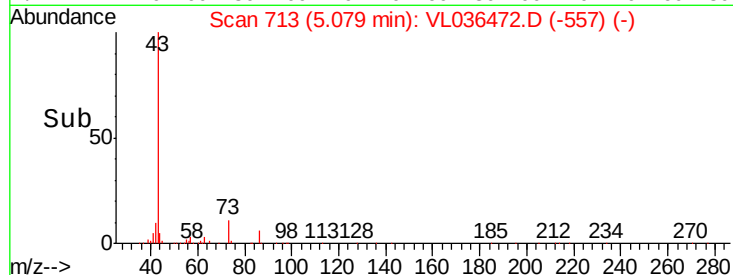
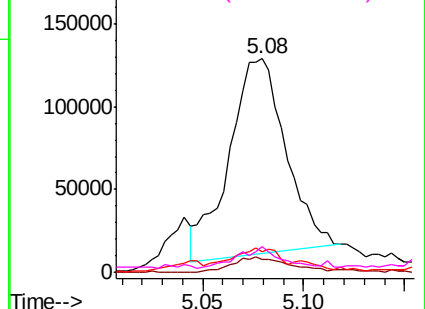
Acq: 25 Mar 2021 3:20

Tot Ion: 43 Resp: 233253

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.0
42	8.5	8.5	12.7
44	10.6	4.6	7.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 200000 Ion 86.10 (85.80 to 86.80): VL0
 150000 Ion 42.10 (41.80 to 42.80): VL0
 100000 Ion 44.10 (43.80 to 44.80): VL0
 50000
 0



#24

1,1-Dichloroethane

Concen: 1.268 ppbv

RT: 5.01 min Scan# 692

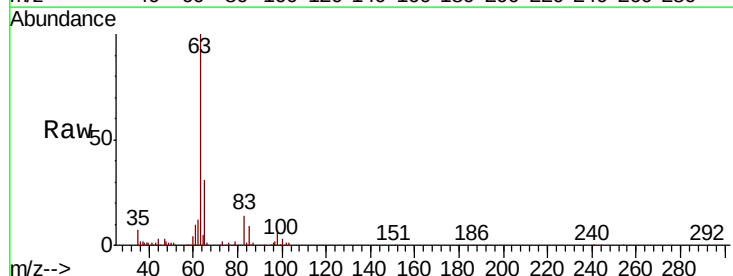
Delta R.T. -0.00 min

Lab File: VL036472.D

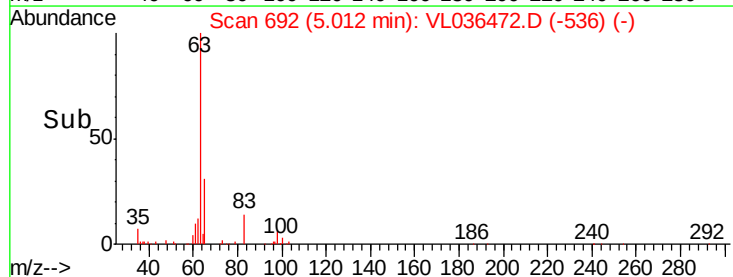
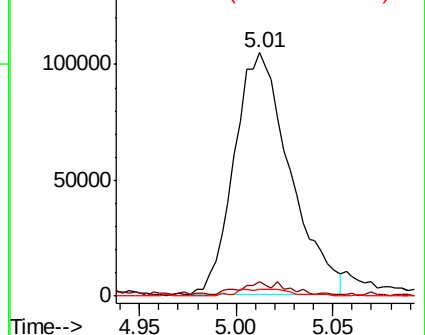
Acq: 25 Mar 2021 3:20

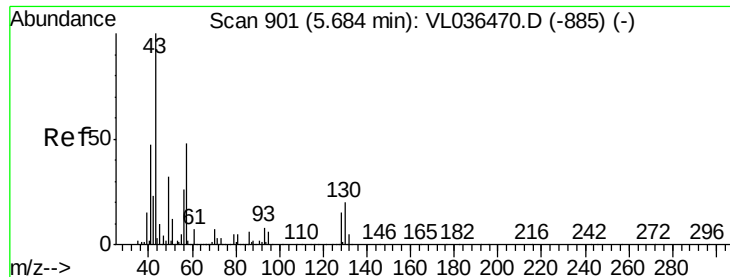
Tgt Ion: 63 Resp: 209250

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.1	6.2
100	2.7	0.9	2.8



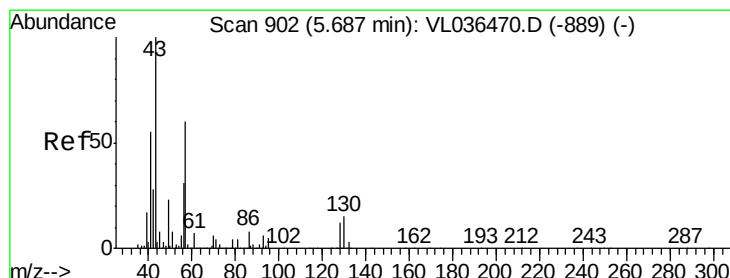
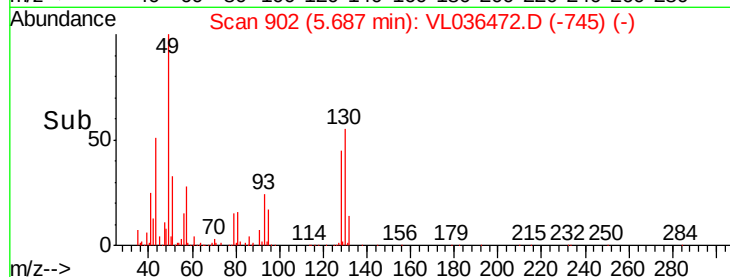
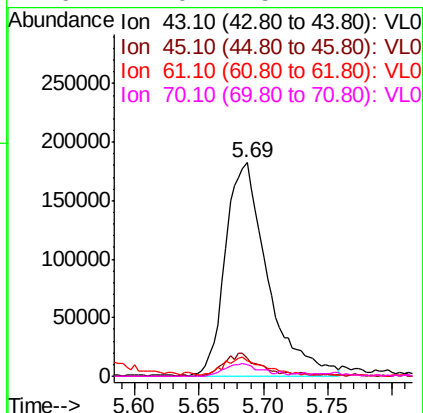
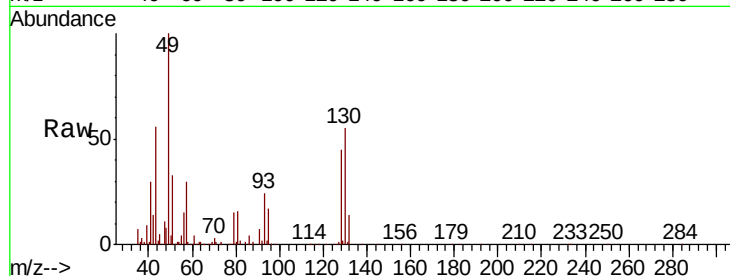
Abundance Ion 63.10 (62.80 to 63.80): VL0
 100000 Ion 98.00 (97.70 to 98.70): VL0
 50000 Ion 100.00 (99.70 to 100.70): VL0
 0





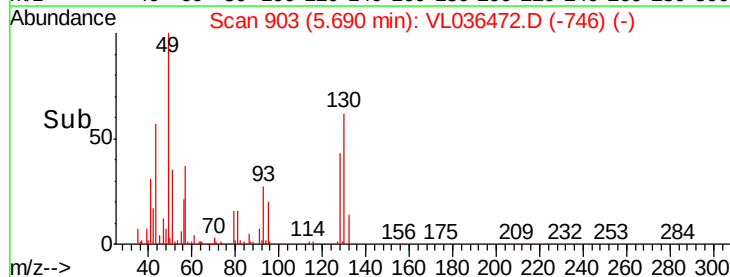
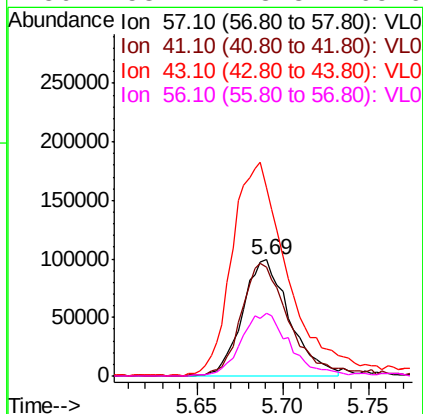
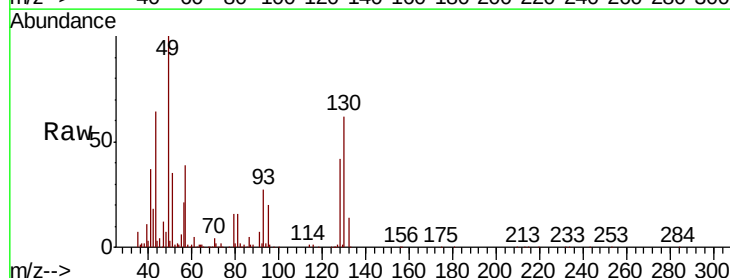
#25
Ethyl Acetate
Concen: 1.187 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

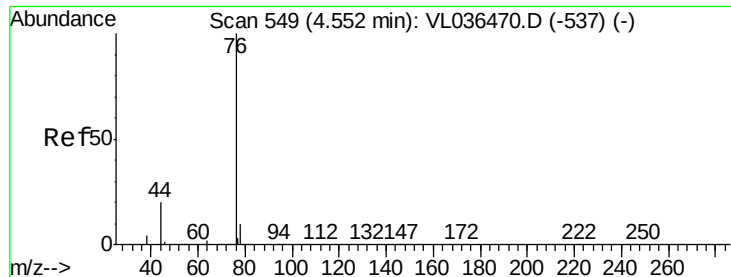
Tot Ion:	43	Resp:	413909
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	7.3	7.4	11.2#
70	7.0	5.1	7.7



#26
Hexane
Concen: 1.279 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion:	57	Resp:	188251
Ion	Ratio	Lower	Upper
57	100		
41	103.8	77.3	115.9
43	228.8	174.8	262.2
56	58.2	43.8	65.6





#27

Carbon Disulfide

Concen: 1.068 ppbv

RT: 4.55 Instrument:

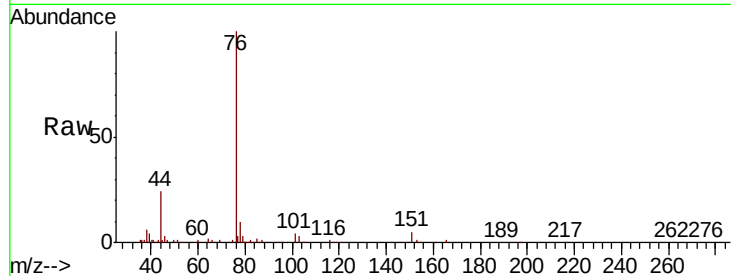
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

Tot Ion: 76 Resp: 154821

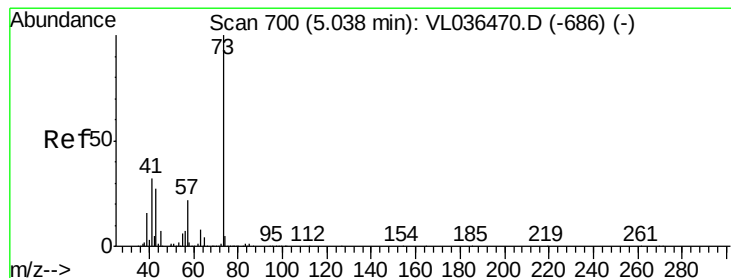
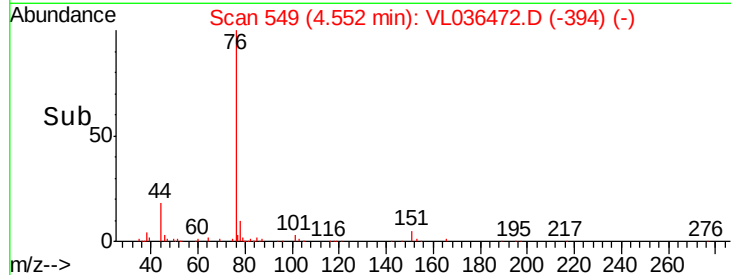
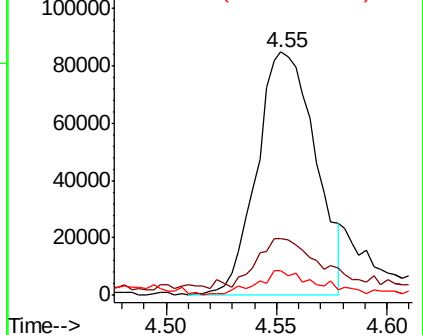
Ion	Ratio	Lower	Upper
76	100		
44	27.9	17.5	26.3#
78	12.1	8.6	13.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.134 ppbv

RT: 5.04 min Scan# 701

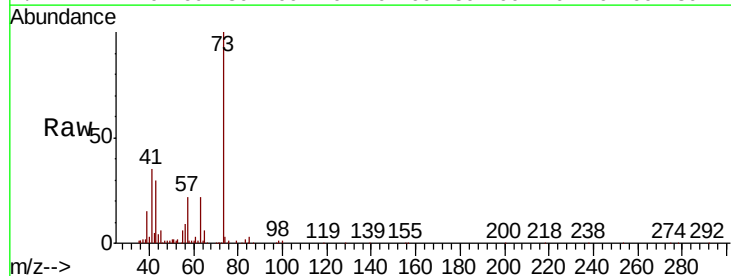
Delta R.T. 0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

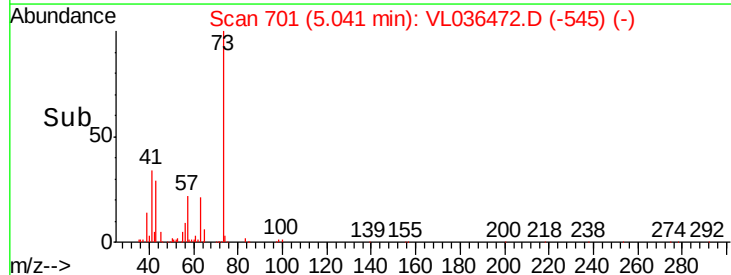
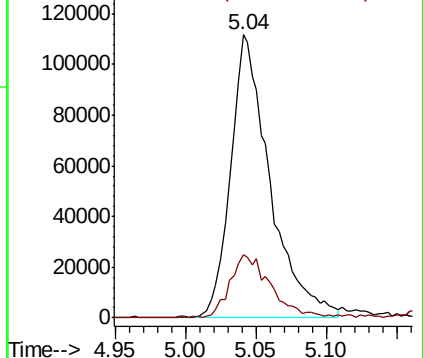
Tgt Ion: 73 Resp: 218202

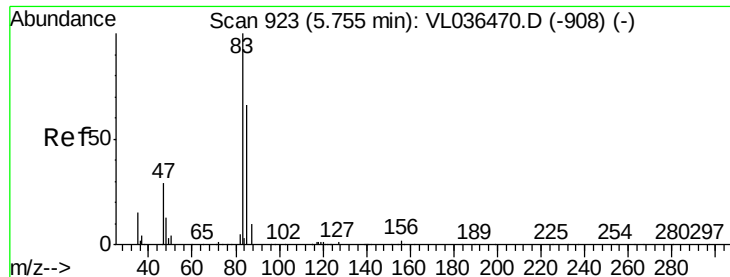
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.6	27.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

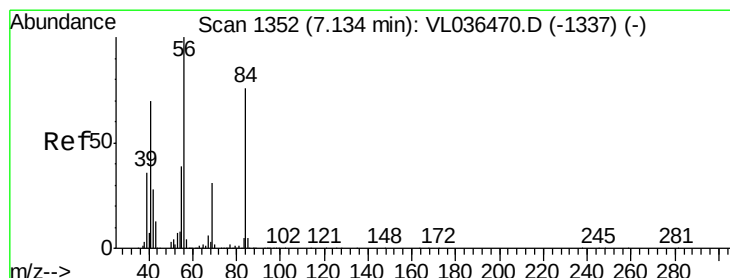
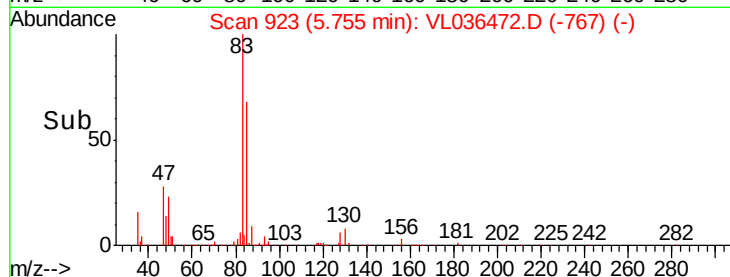
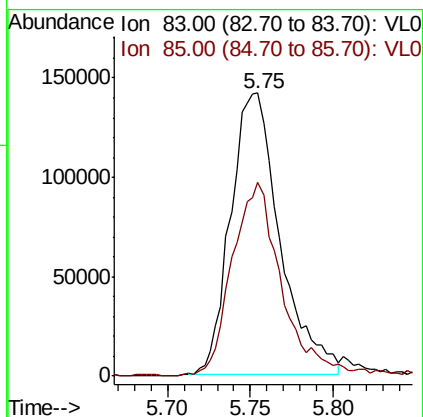
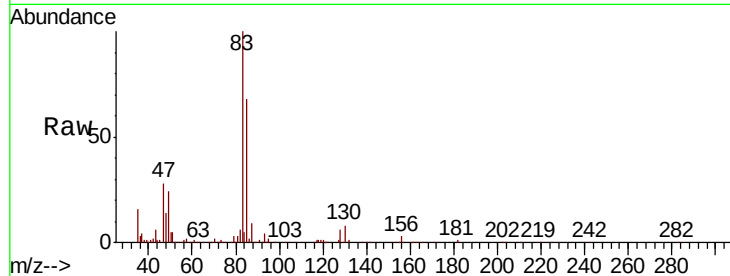
Ion 57.10 (56.80 to 57.80): VL0





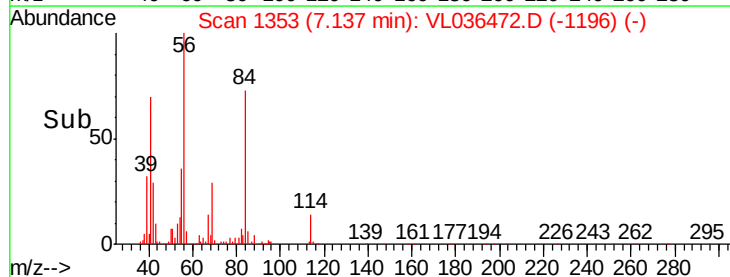
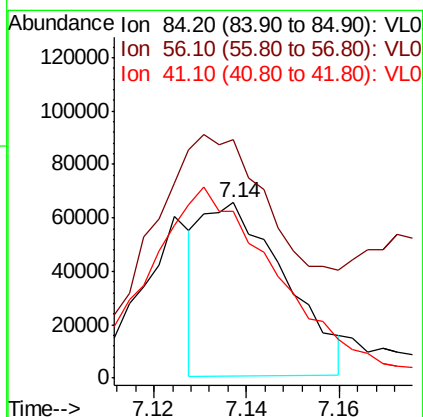
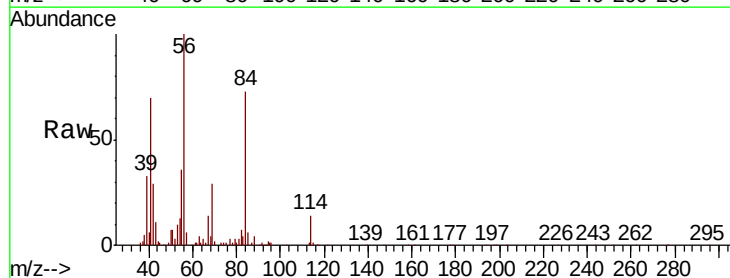
#29
Chloroform
Concen: 1.231 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

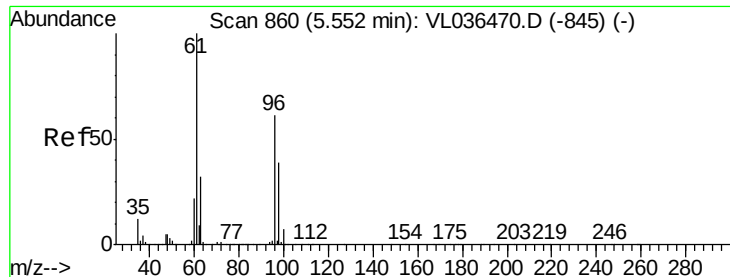
Tot Ion: 83 Resp: 293749
Ion Ratio Lower Upper
83 100
85 67.8 52.6 78.8



#30
Cyclohexane
Concen: 0.667 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 84 Resp: 81150
Ion Ratio Lower Upper
84 100
56 241.6 114.6 171.8#
41 184.2 75.3 112.9#





#31

cis-1,2-Dichloroethene

Concen: 0.667 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

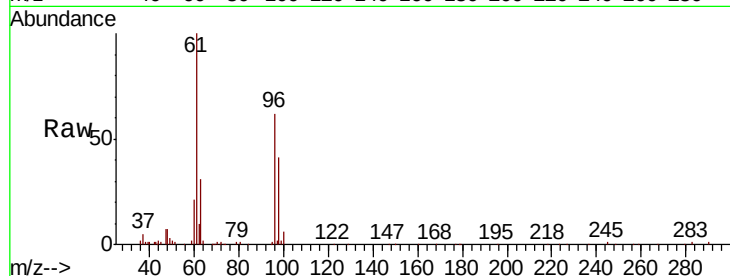
Tot Ion: 61 Resp: 95044

Ion Ratio Lower Upper

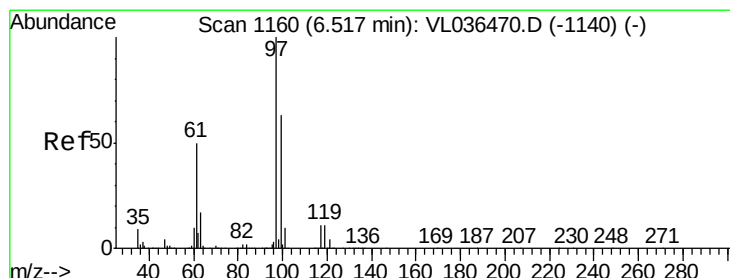
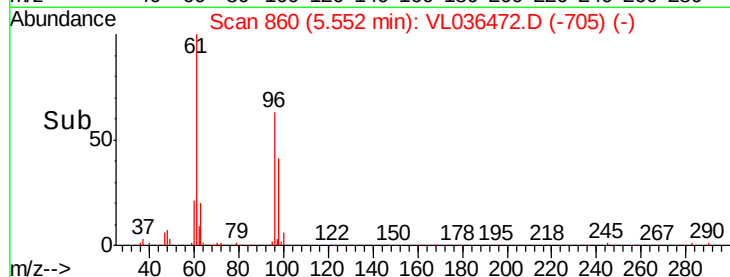
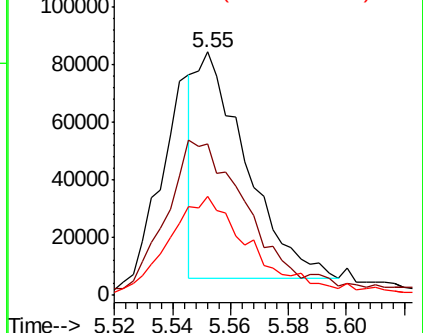
61 100

96 62.7 48.7 73.1

98 40.7 31.4 47.0



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



#32

1,1,1-Trichloroethane

Concen: 1.197 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

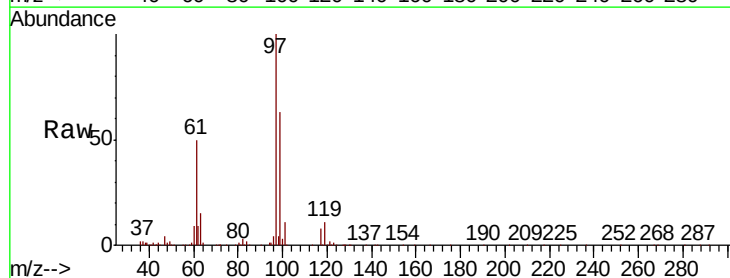
Tgt Ion: 97 Resp: 286250

Ion Ratio Lower Upper

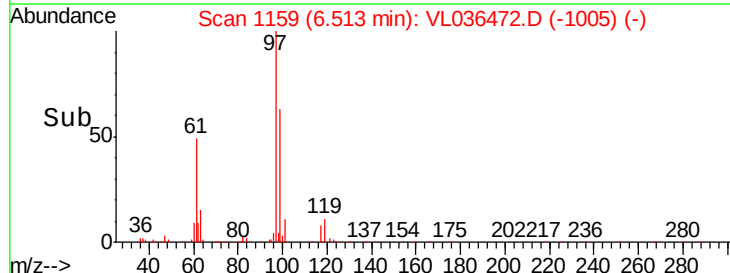
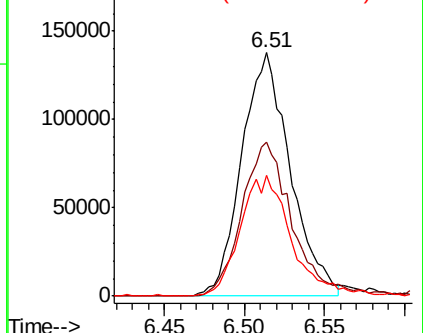
97 100

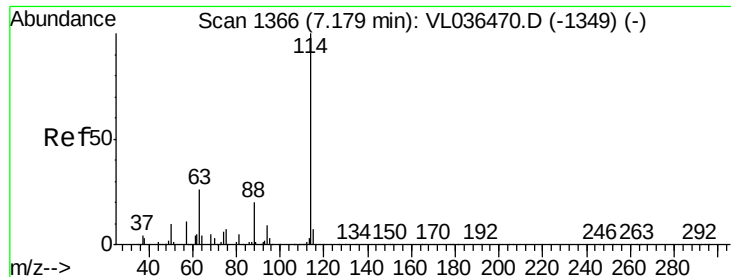
99 66.8 51.4 77.0

61 53.1 40.6 60.8



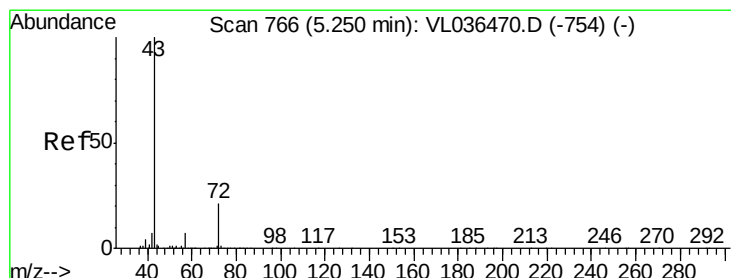
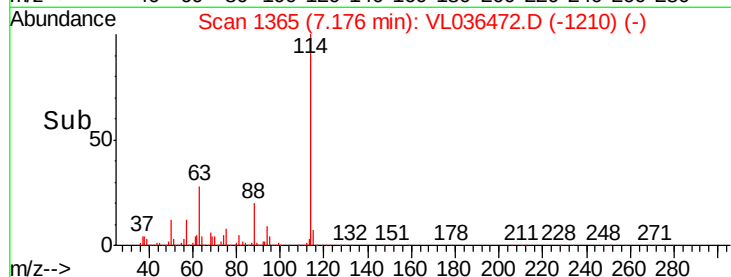
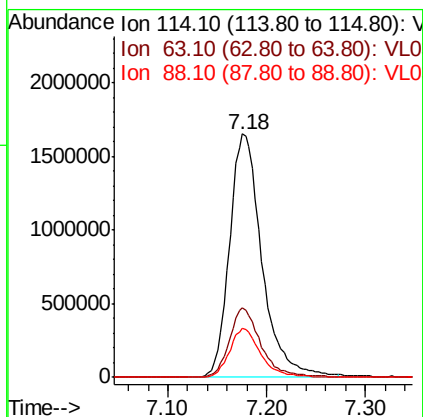
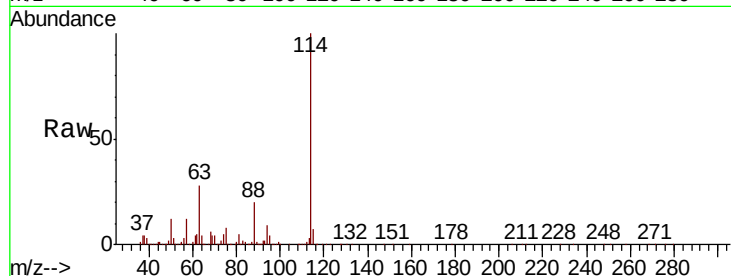
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





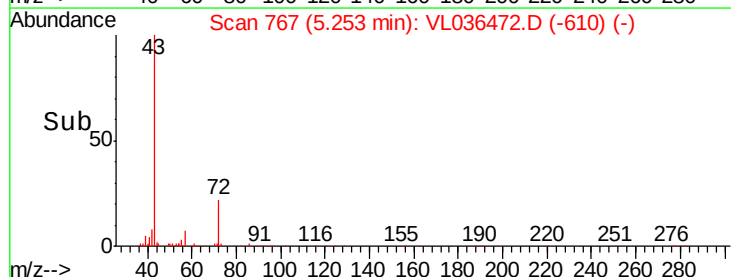
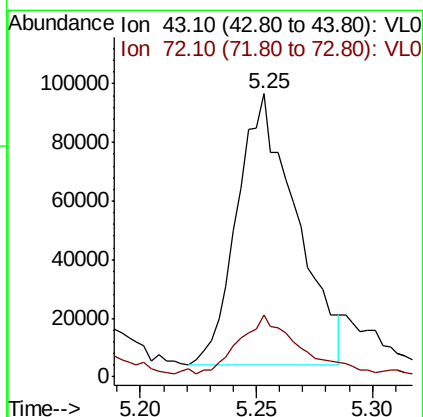
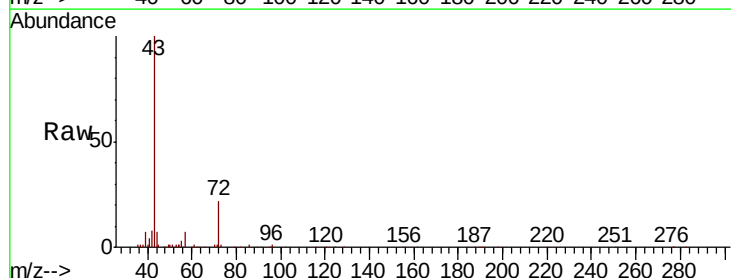
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 3:20

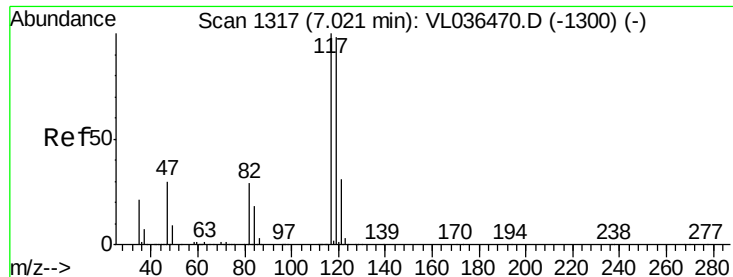
Tot Ion: 114 Resp: 3789327
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.4 33.6
 88 19.7 15.4 23.0



#34
 2-Butanone
 Concen: 0.740 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

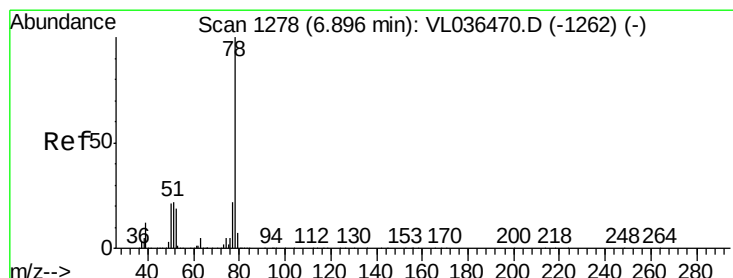
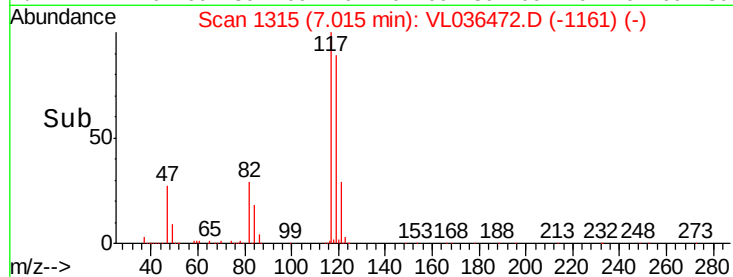
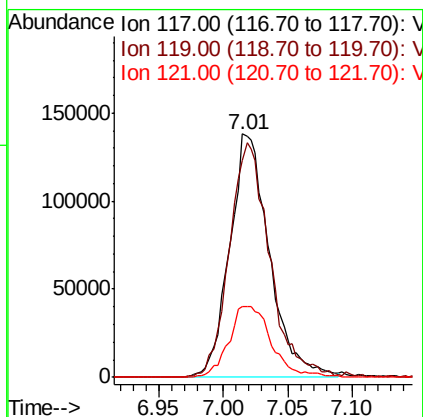
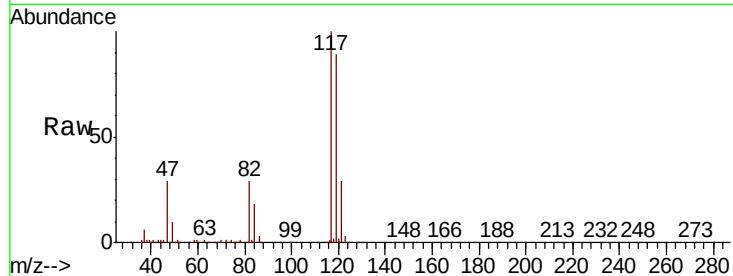
Tgt Ion: 43 Resp: 163792
 Ion Ratio Lower Upper
 43 100
 72 29.0 17.0 25.6#





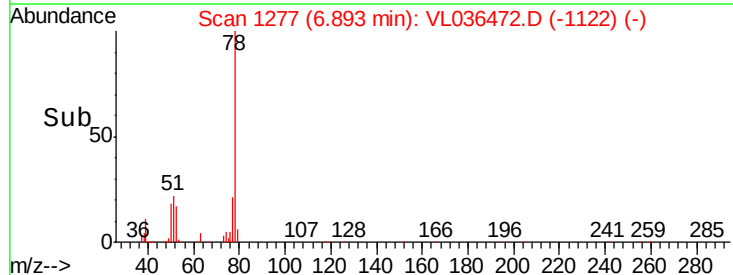
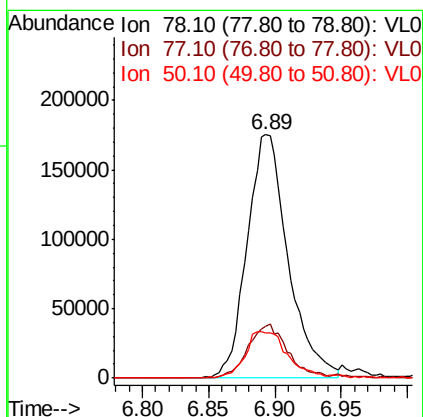
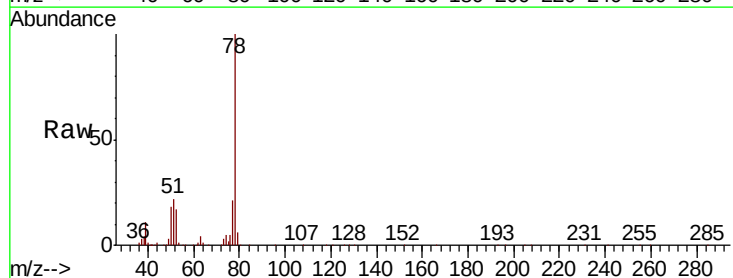
#35
 Carbon Tetrachloride
 Concen: 1.185 ppbv
 RT: 7.01 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 3:20

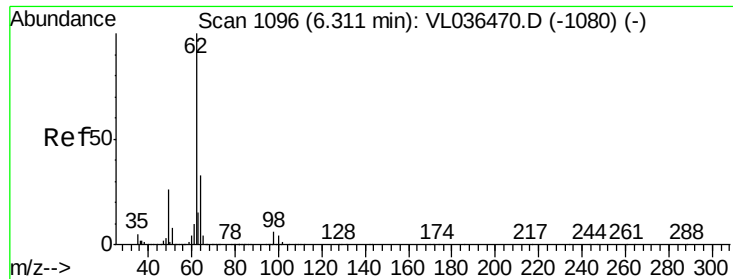
Tot Ion	Ratio	Lower	Upper
117	100		
119	88.3	78.2	117.2
121	29.0	24.5	36.7



#36
 Benzene
 Concen: 1.254 ppbv
 RT: 6.89 min Scan# 1277
 Delta R.T.: -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

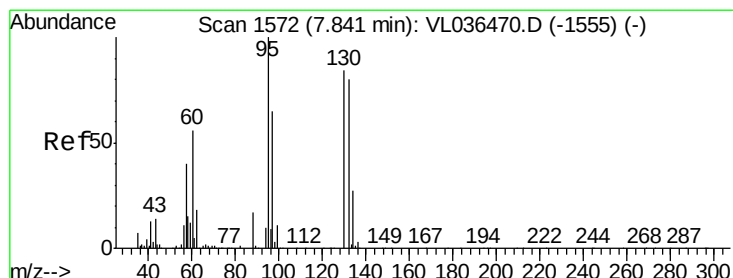
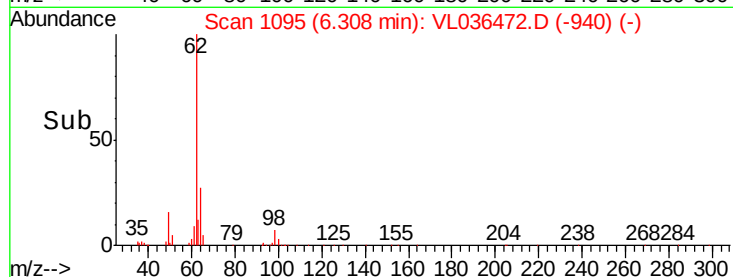
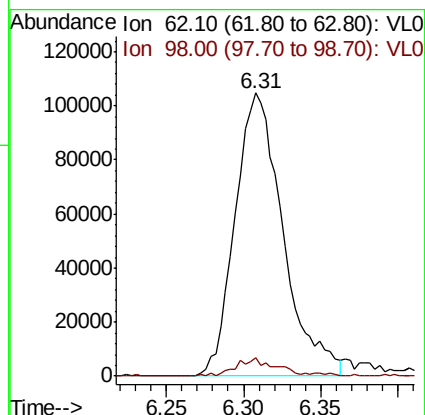
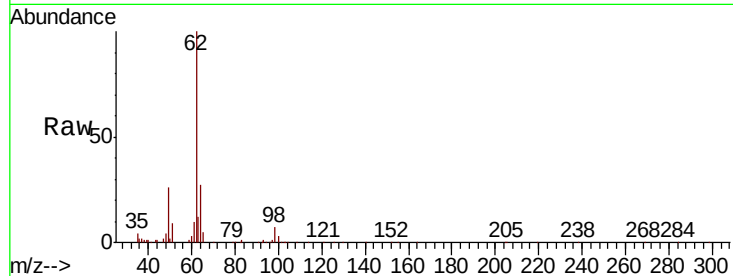
Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.0	27.0
50	18.0	16.5	24.7





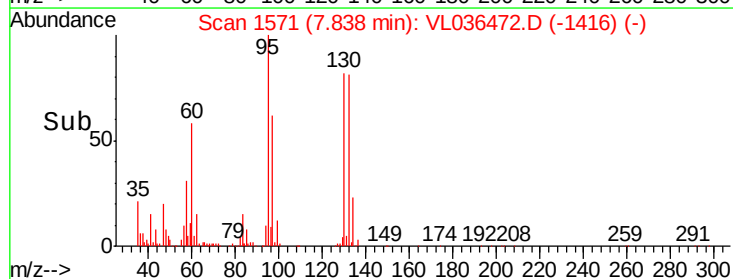
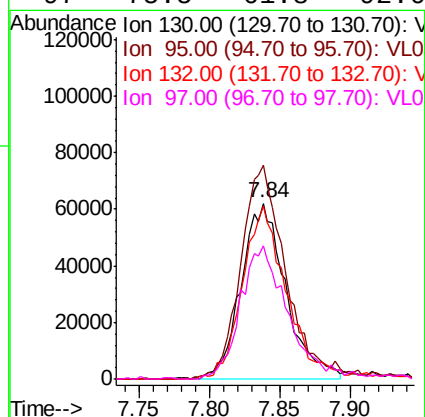
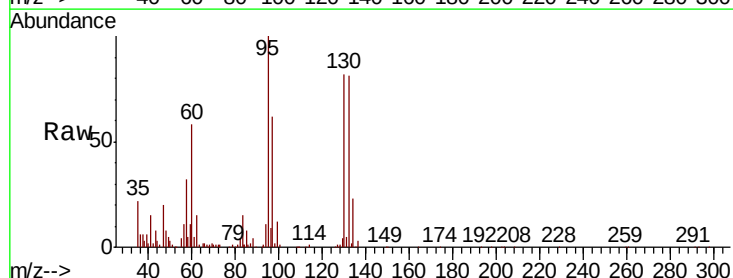
#37
 1,2-Dichloroethane
 Concen: 1.196 ppbv
 RT: 6.31
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 3:20

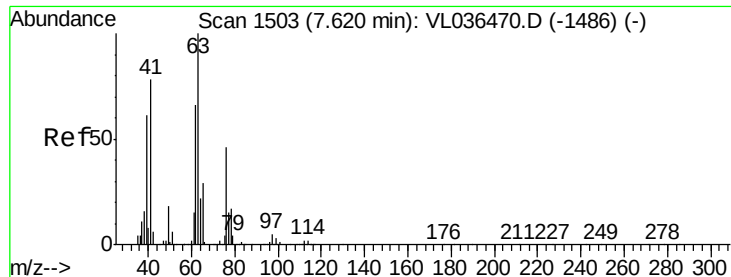
Tot Ion: 62 Resp: 225480
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.7 7.1



#38
 Trichloroethene
 Concen: 1.214 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

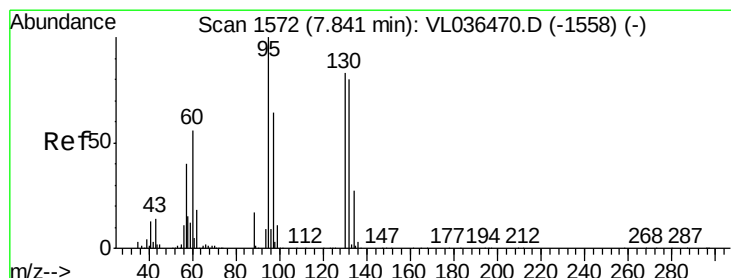
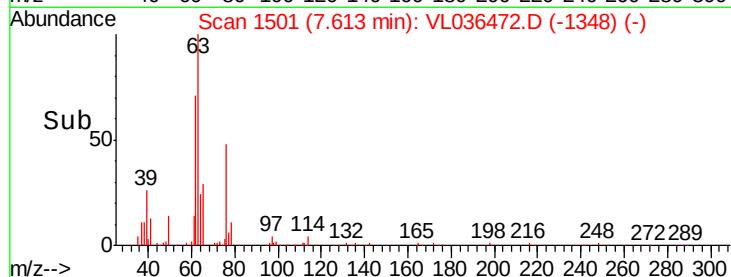
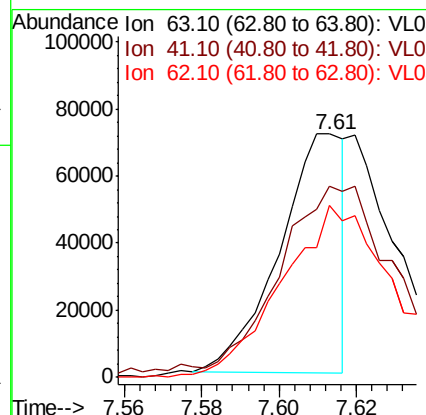
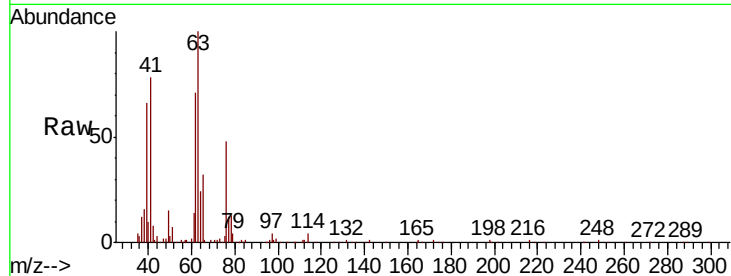
Tgt Ion: 130 Resp: 137520
 Ion Ratio Lower Upper
 130 100
 95 121.3 95.7 143.5
 132 98.8 76.2 114.4
 97 75.5 61.8 92.6





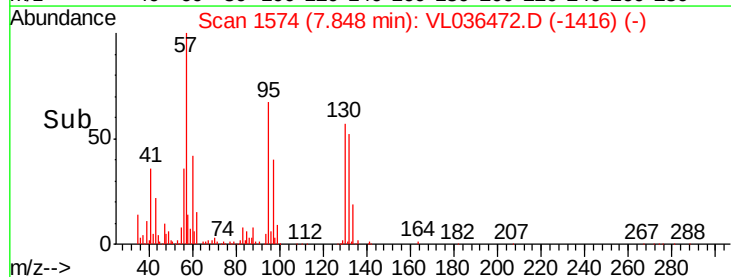
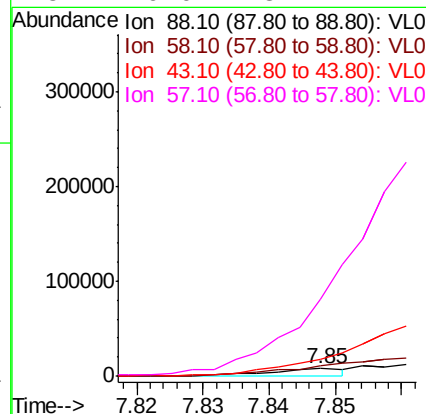
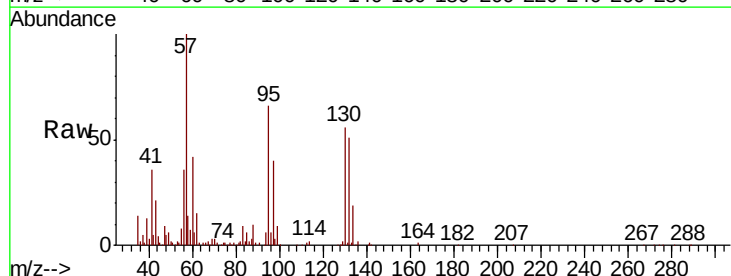
#39
 1,2-Dichloropropane
 Concen: 0.645 ppbv
 RT: 7.61 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 3:20

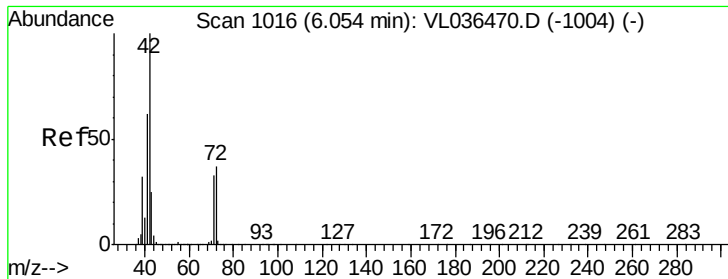
Tot Ion	63	Resp	83107
Ion Ratio	Lower	Upper	
63	100		
41	75.9	62.4	93.6
62	71.3	52.8	79.2



#40
 1,4-Dioxane
 Concen: 0.157 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T.: 0.01 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

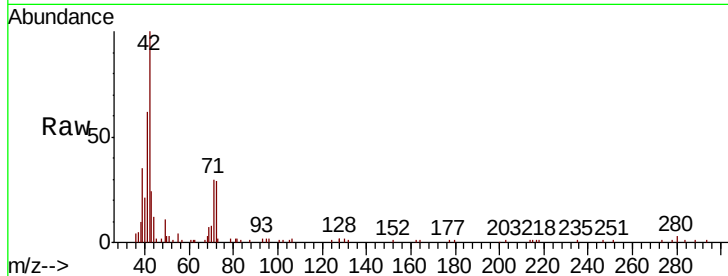
Tgt Ion	88	Resp	6186
Ion Ratio	Lower	Upper	
88	100		
58	0.0	135.3	202.9#
43	0.0	347.4	521.0#
57	0.0	1481.4	2222.0#





#41
Tetrahydrofuran
Concen: 0.589 ppbv
RT: 6.07
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 3:20

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	30.3	45.5
71	34.1	29.4	44.0

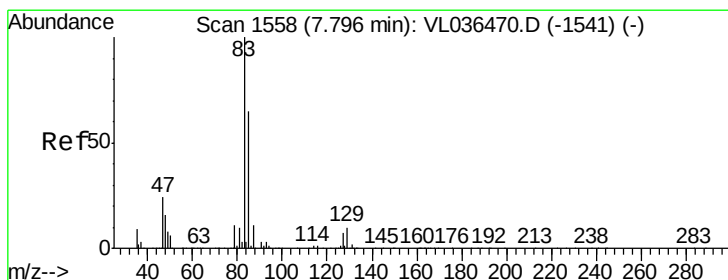
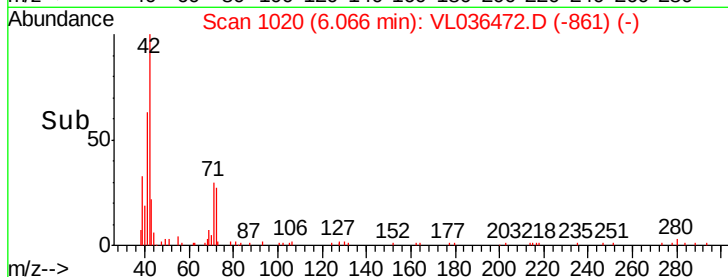
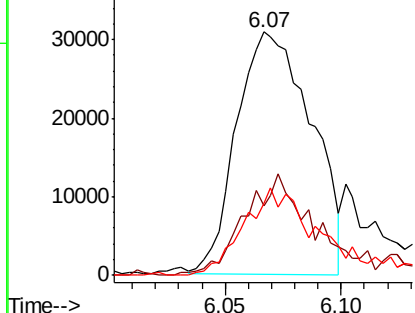


Abundance

Ion 42.10 (41.80 to 42.80): VL0

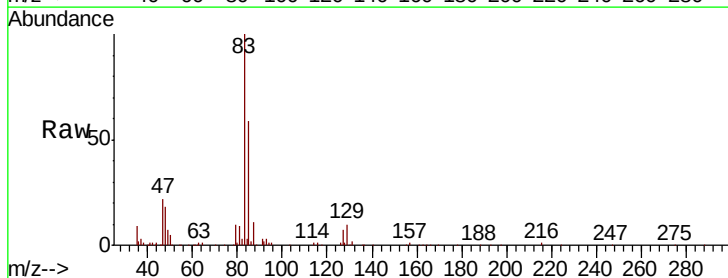
Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42
Bromodichloromethane
Concen: 1.174 ppbv
RT: 7.79 min Scan# 1556
Delta R.T.: -0.01 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.4	51.8	77.6
127	6.8	5.8	8.8

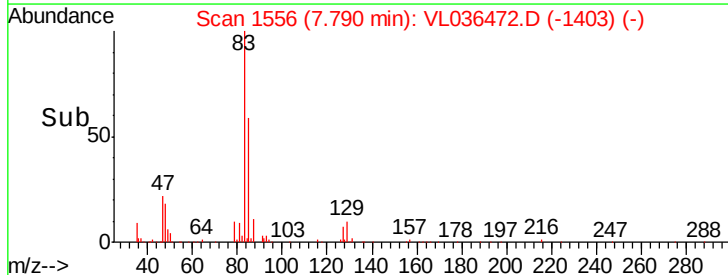
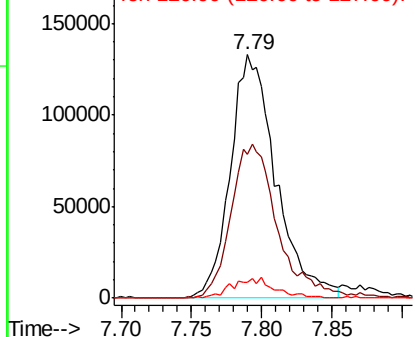


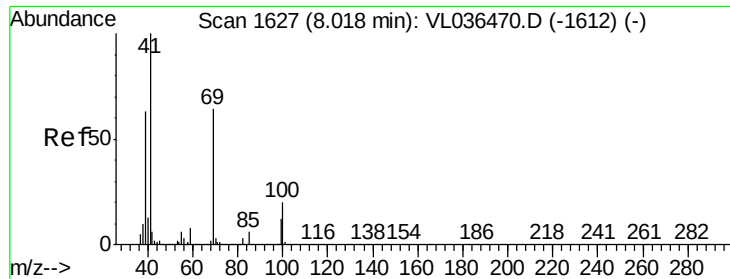
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0





#43

Methyl Methacrylate

Concen: 1.014 ppbv

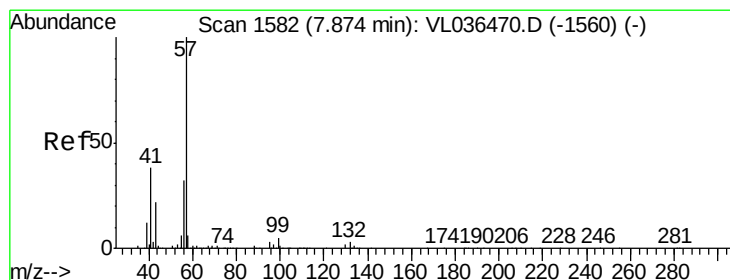
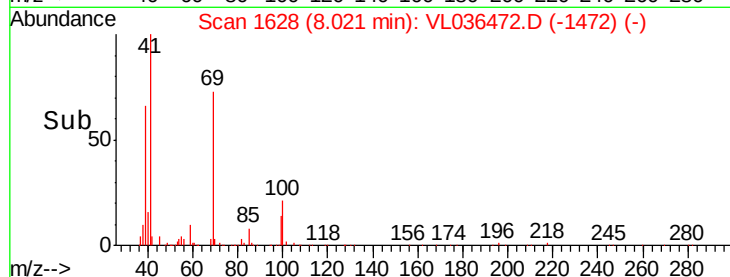
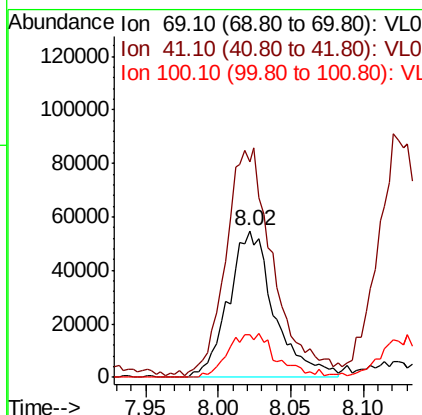
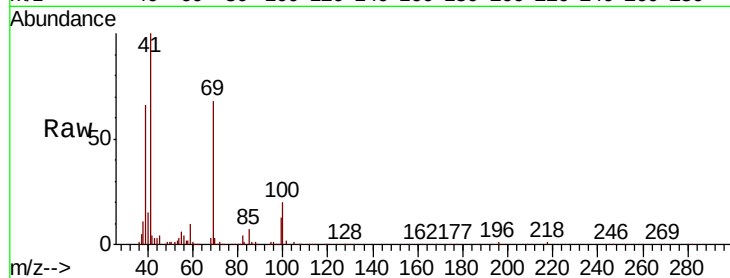
RT: 8.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File:

Acq: 25 Mar 2021 3:20

Tot Ion	Ratio	Lower	Upper
69	100		
41	159.6	126.8	190.2
100	31.6	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 1.265 ppbv

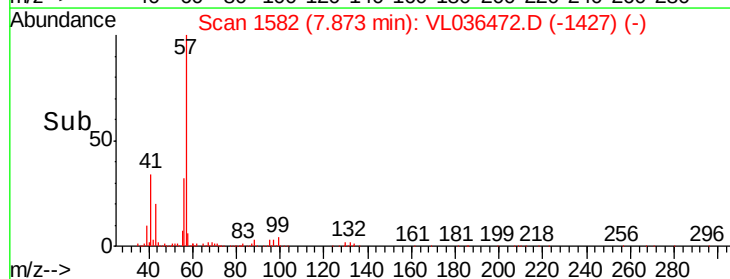
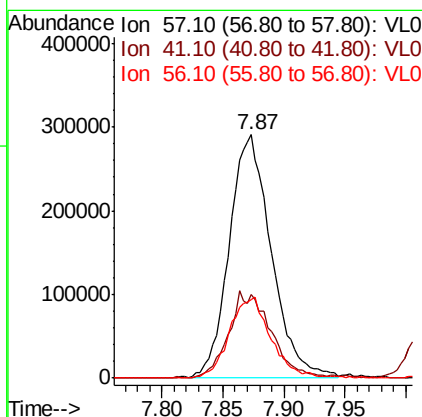
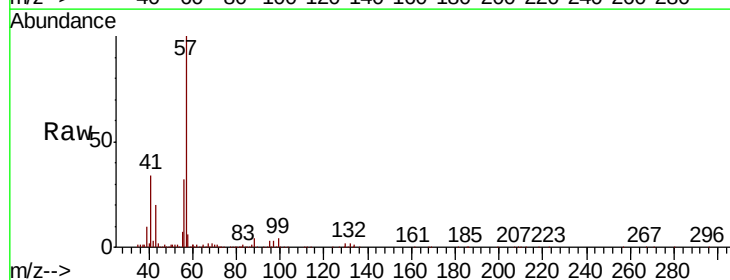
RT: 7.87 min Scan# 1582

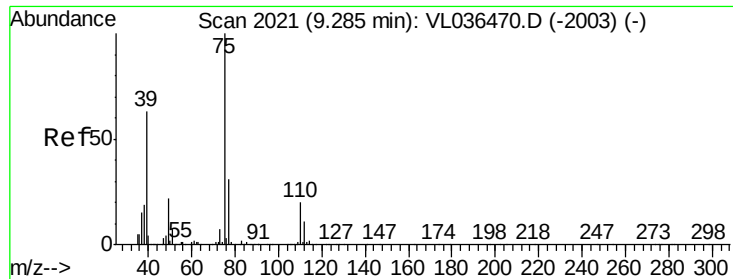
Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

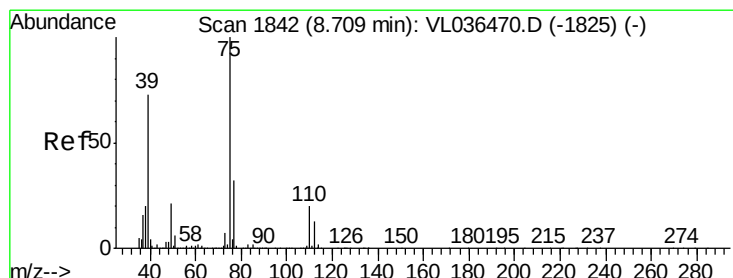
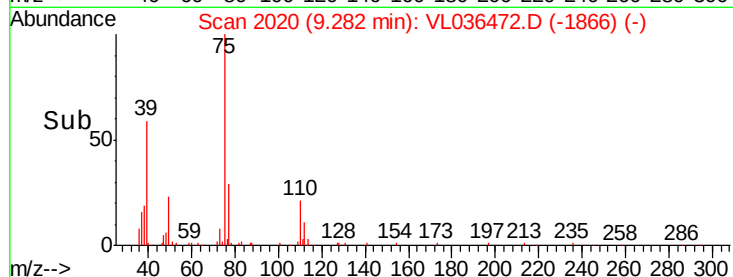
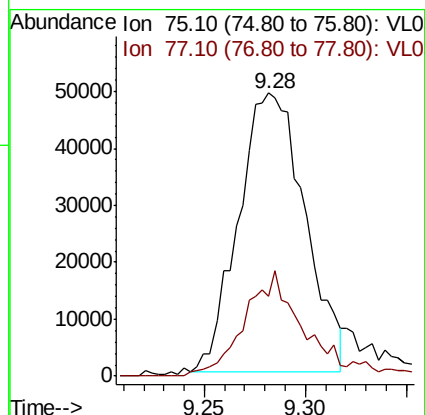
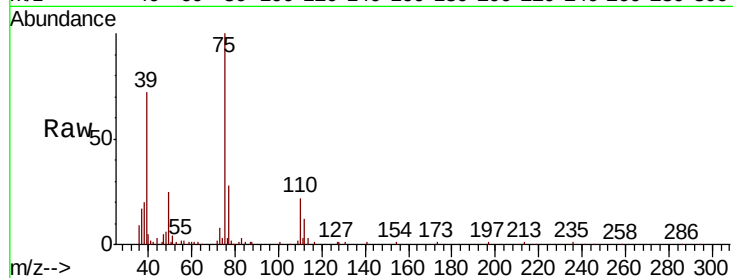
Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.8	43.2
56	33.4	26.1	39.1





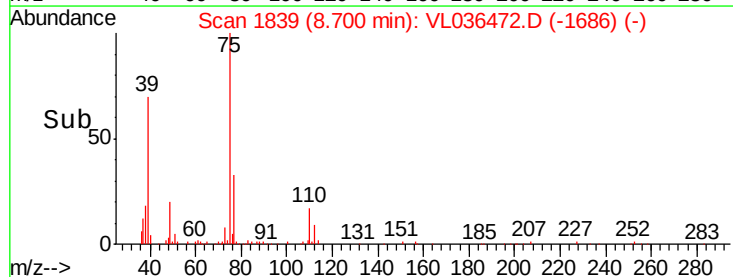
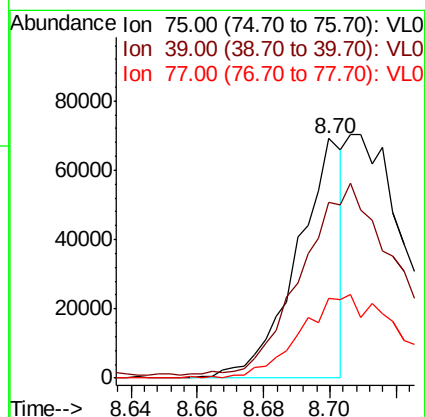
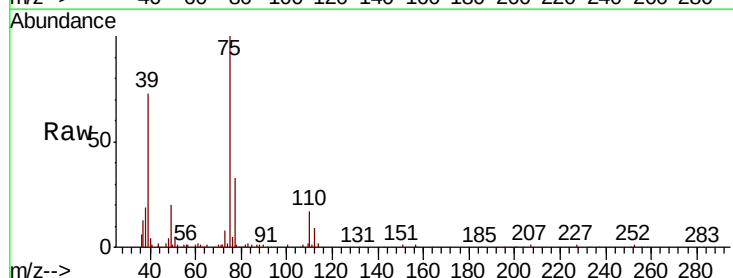
#45
t-1,3-Dichloropropene
Concen: 0.954 ppbv
RT: 9.28 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

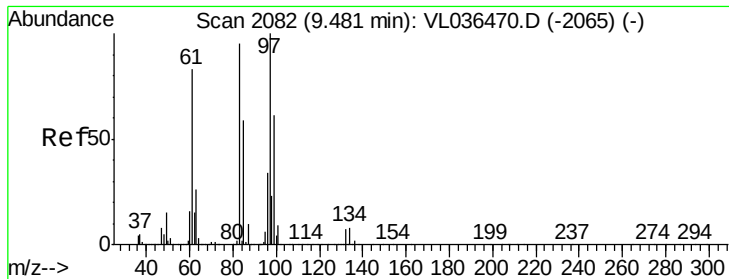
Tot Ion: 75 Resp: 112595
Ion Ratio Lower Upper
75 100
77 28.1 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 0.428 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

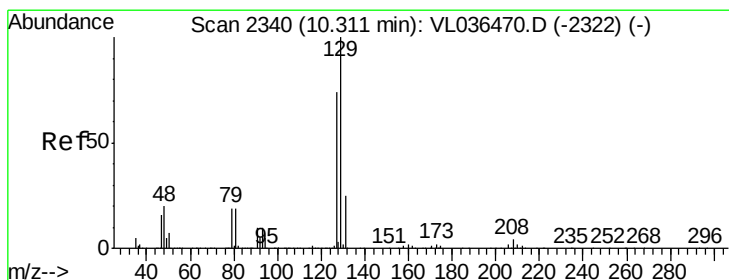
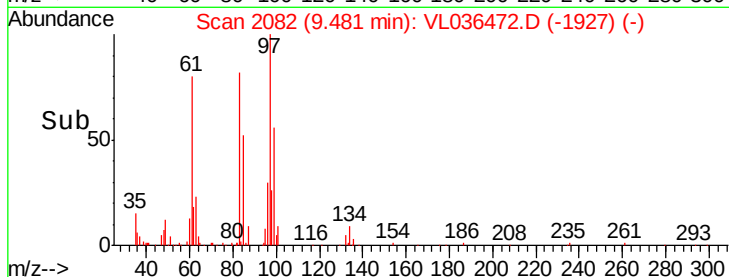
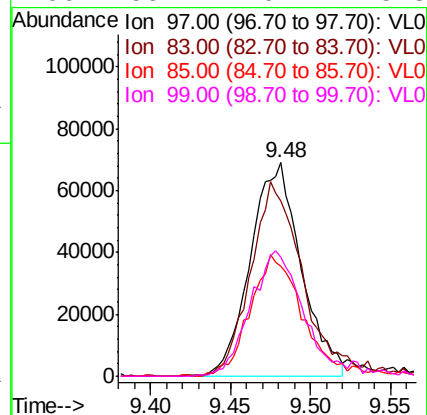
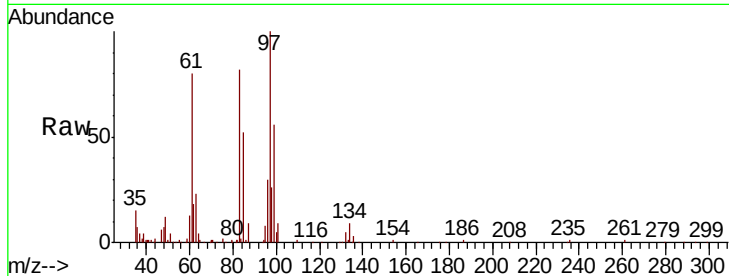
Tgt Ion: 75 Resp: 65880
Ion Ratio Lower Upper
75 100
39 71.2 58.2 87.2
77 32.6 25.2 37.8





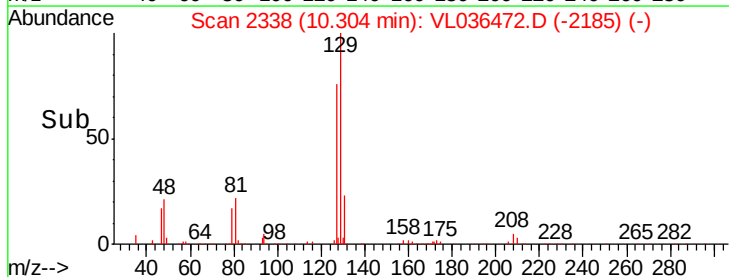
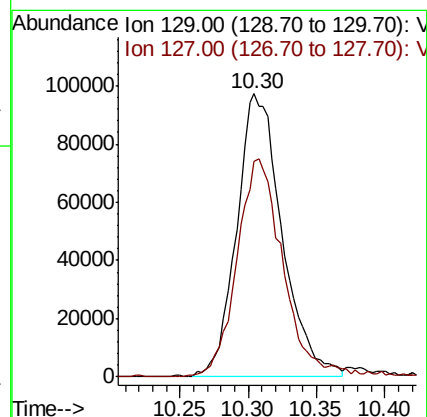
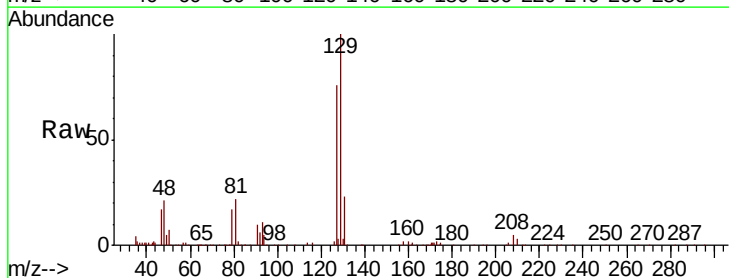
#47
 1,1,2-Trichloroethane
 Concen: 1.179 ppbv
 RT: 9.48 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

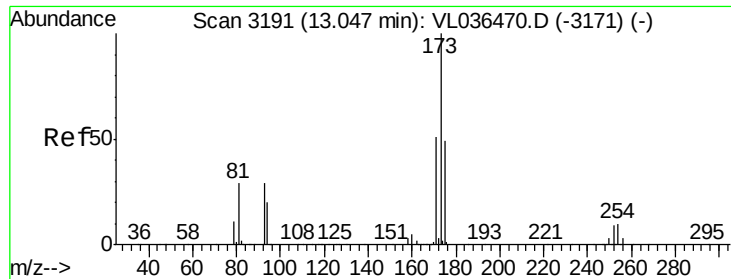
Tot Ion:	97	Resp:	150283
Ion	Ratio	Lower	Upper
97	100		
83	81.4	75.8	113.8
85	51.8	47.1	70.7
99	55.7	49.2	73.8



#48
 Dibromochloromethane
 Concen: 1.161 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T.: -0.01 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:	129	Resp:	224702
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.6	118.8





#49

Bromoform

Concen: 1.099 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Mar 2021 3:20

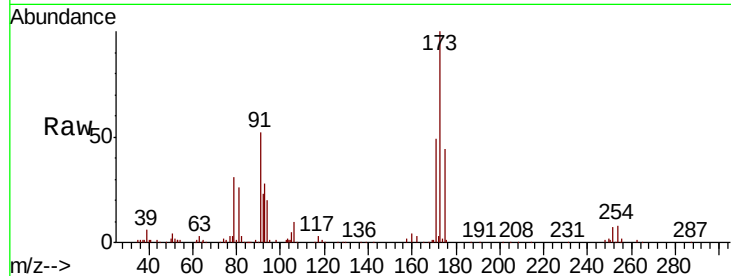
Tot Ion: 173 Resp: 173482

Ion Ratio Lower Upper

173 100

175 50.6 39.6 59.4

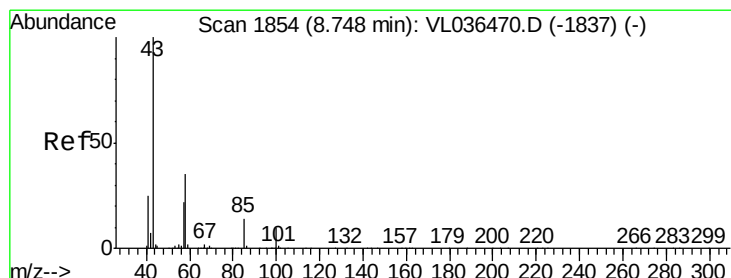
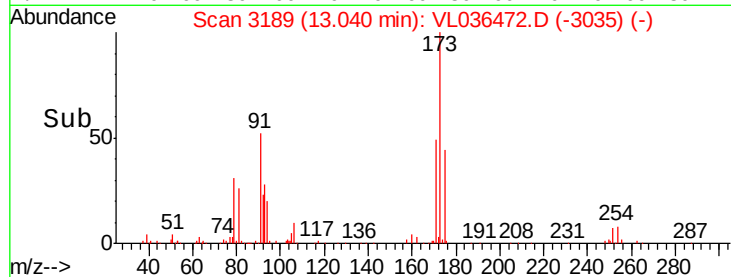
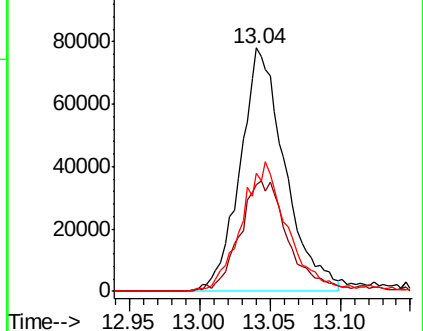
171 54.5 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.828 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL036472.D

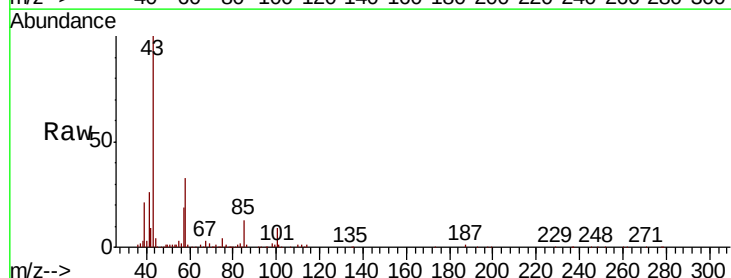
Acq: 25 Mar 2021 3:20

Tgt Ion: 43 Resp: 263886

Ion Ratio Lower Upper

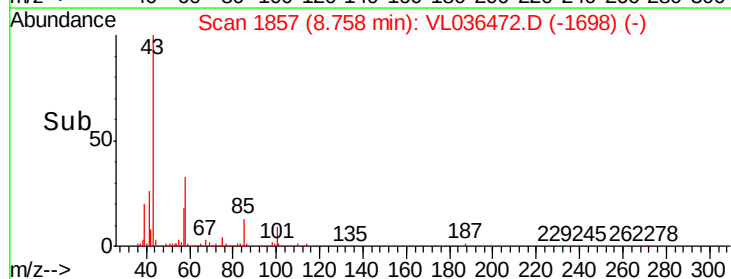
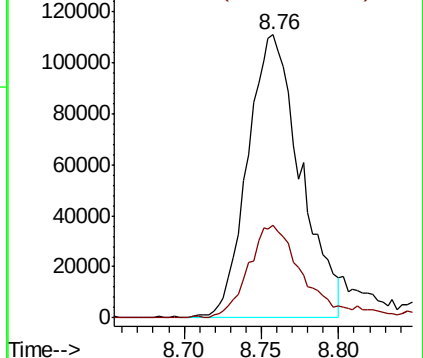
43 100

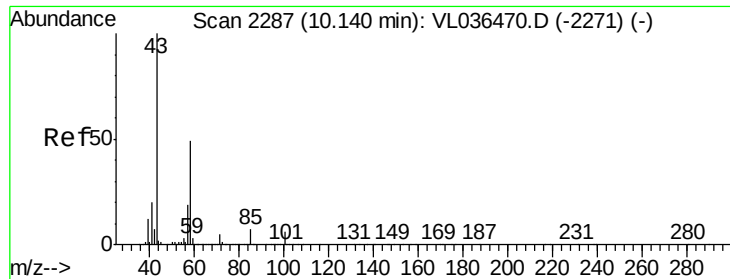
58 35.3 28.1 42.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

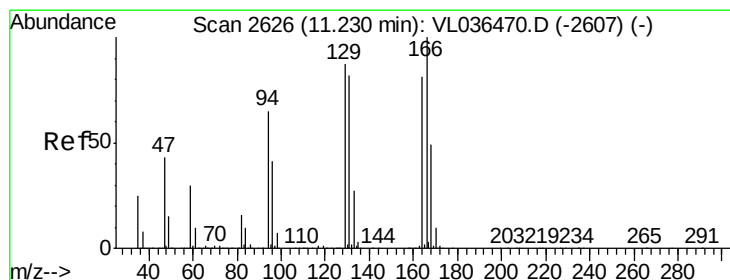
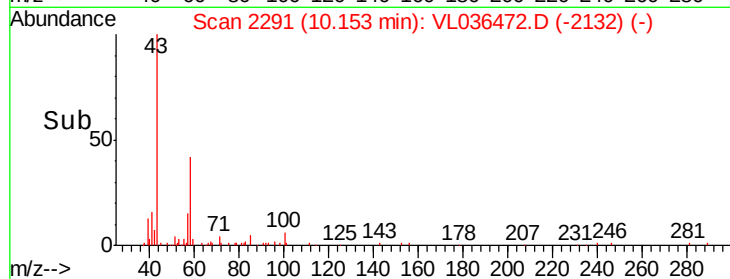
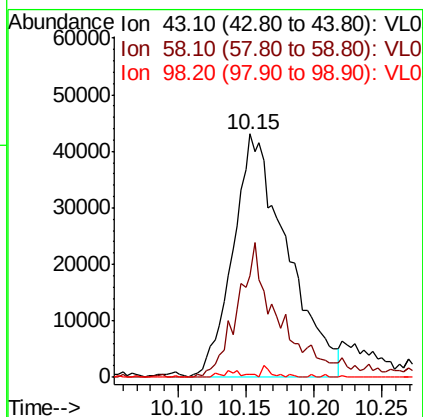
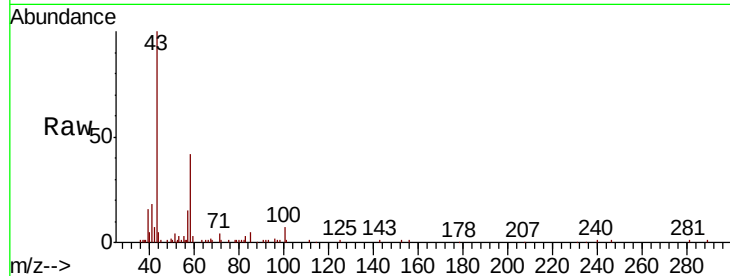
Ion 58.10 (57.80 to 58.80): VL0





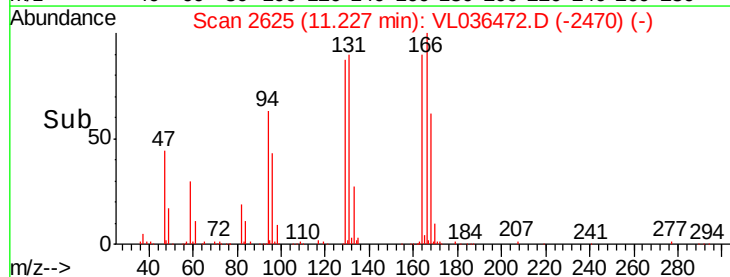
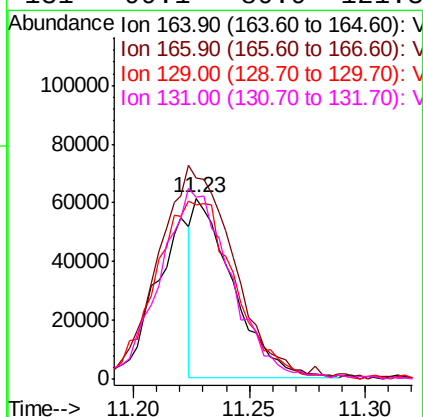
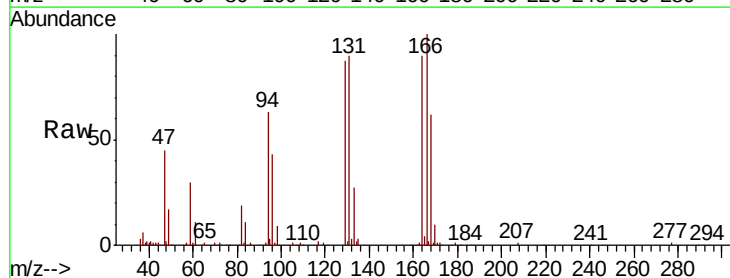
#51
 2-Hexanone
 Concen: 0.522 ppbv
 RT: 10.15 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

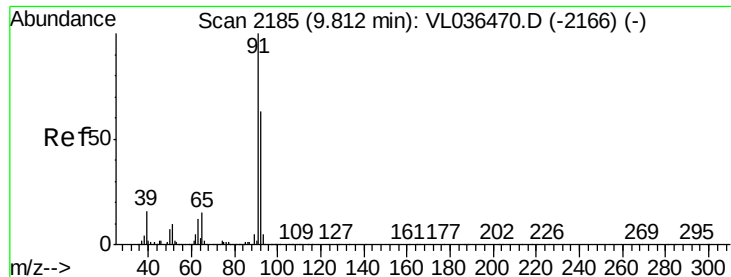
Tot Ion:	43	Resp:	118252
Ion Ratio	Lower	Upper	
43	100		
58	46.7	37.7	56.5
98	1.4	0.2	0.2#



#52
 Tetrachloroethene
 Concen: 0.647 ppbv
 RT: 11.23 min Scan# 2625
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:	164	Resp:	72745
Ion Ratio	Lower	Upper	
164	100		
166	110.0	98.3	147.5
129	95.1	85.8	128.8
131	99.1	80.9	121.3





#53

Toluene

Concen: 1.213 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

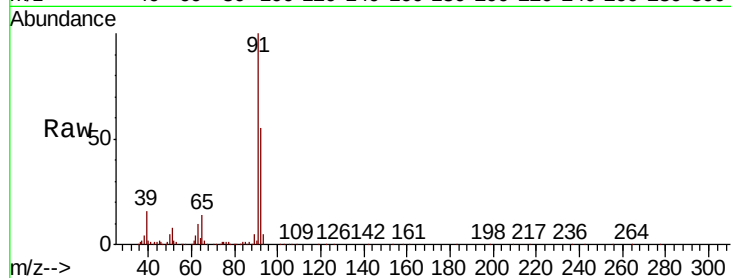
Acq: 25 Mar 2021 3:20

Tot Ion: 91 Resp: 394707

Ion Ratio Lower Upper

91 100

92 61.1 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

200000

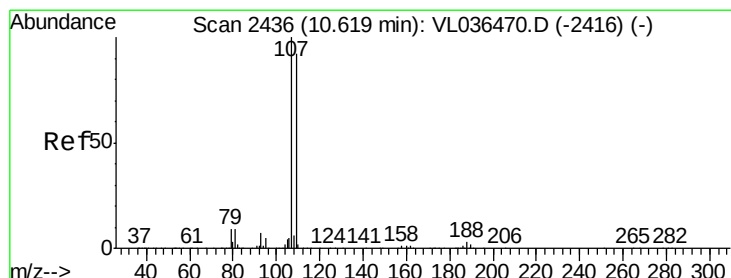
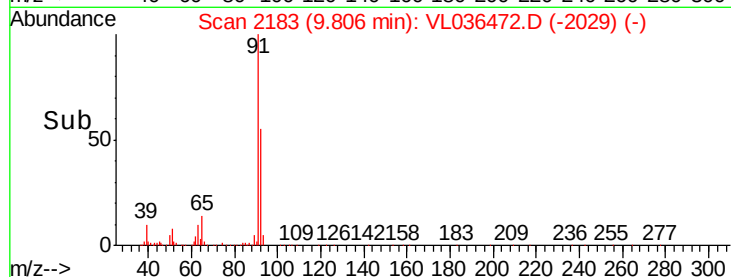
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 0.648 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL036472.D

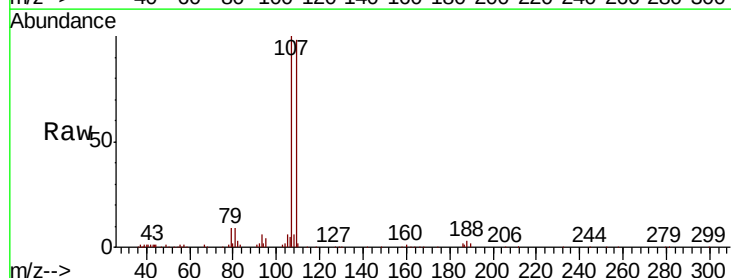
Acq: 25 Mar 2021 3:20

Tgt Ion: 107 Resp: 118834

Ion Ratio Lower Upper

107 100

109 97.5 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.61

100000

80000

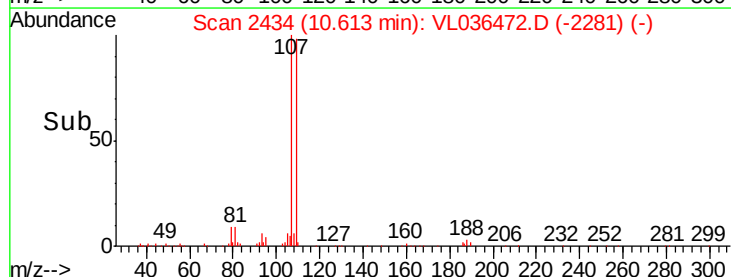
60000

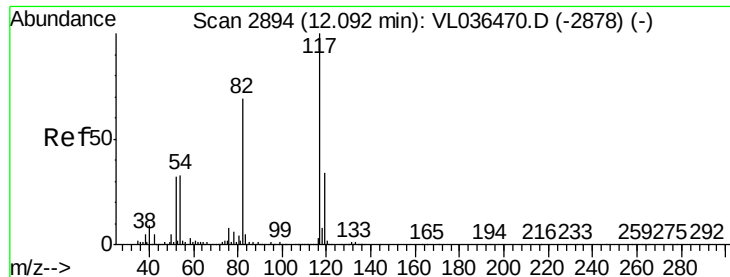
40000

20000

0

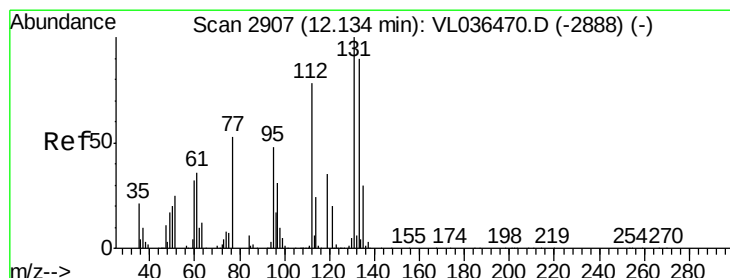
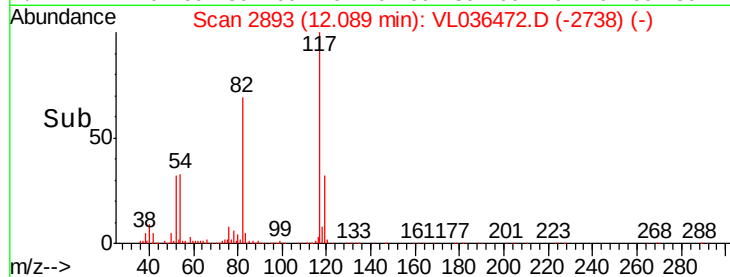
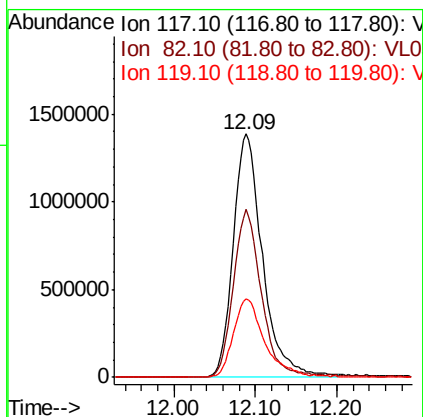
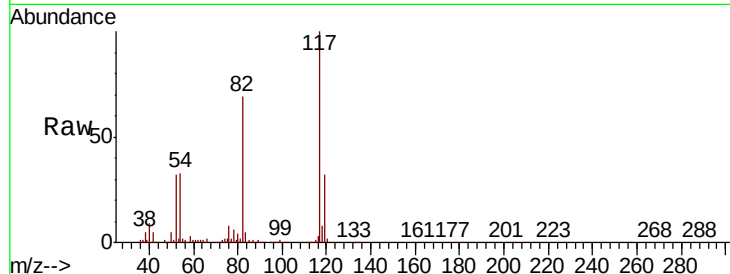
Time-->





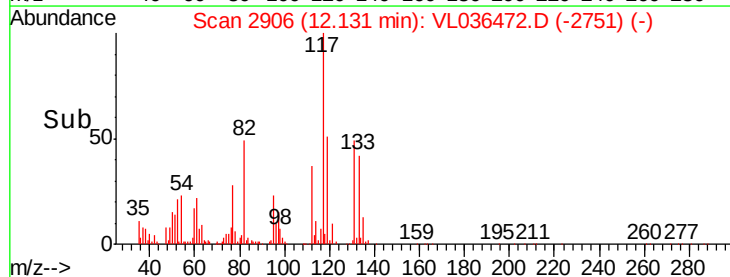
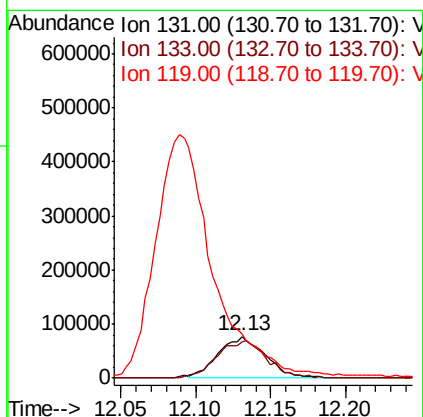
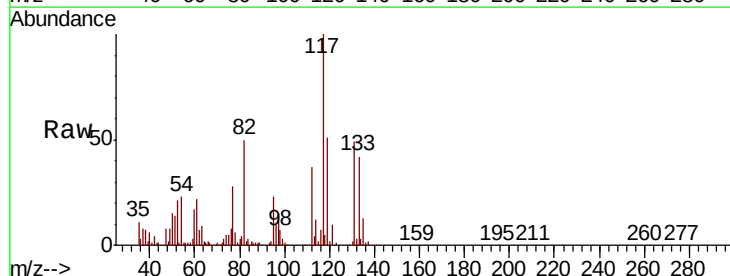
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 3:20

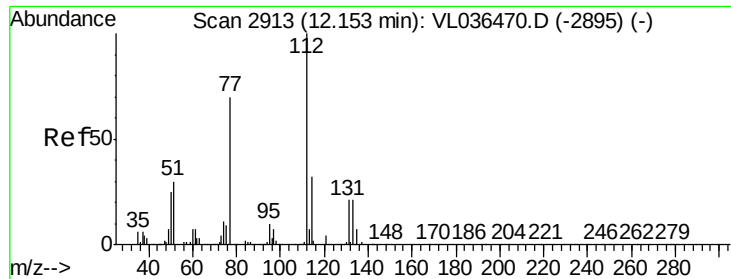
Tot Ion:117 Resp: 3477525
Ion Ratio Lower Upper
117 100
82 67.6 57.4 86.0
119 35.0 47.4 71.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 1.070 ppbv
RT: 12.13 min Scan# 2906
Delta R.T.: -0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion:131 Resp: 166299
Ion Ratio Lower Upper
131 100
133 97.2 76.0 114.0
119 0.0 44.9 67.3#





#57

Chlorobenzene

Concen: 1.265 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20

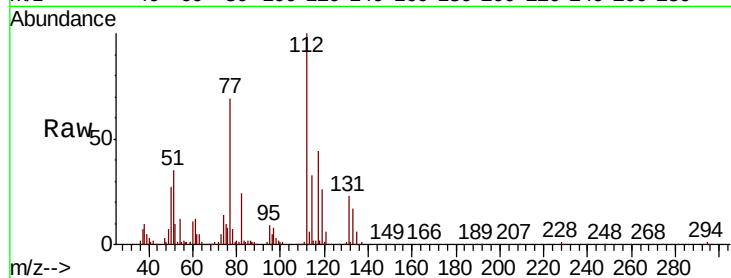
Tot Ion: 112 Resp: 327284

Ion Ratio Lower Upper

112 100

77 67.5 56.0 84.0

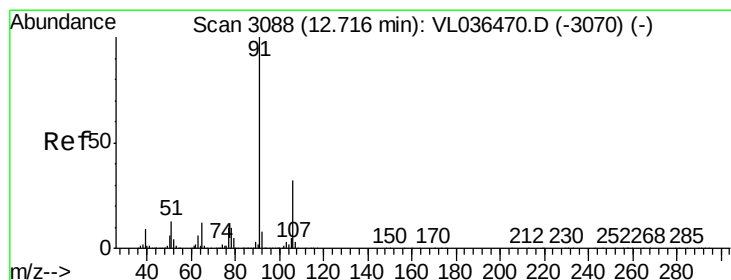
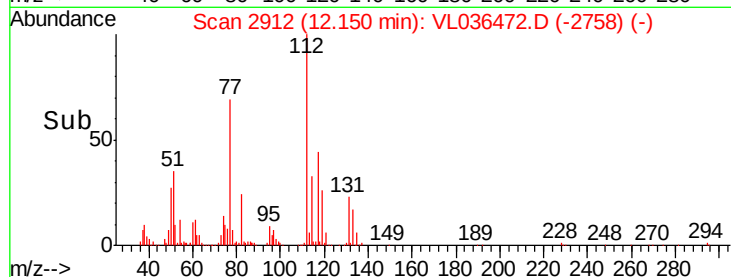
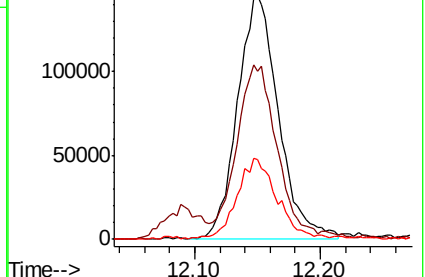
114 32.9 29.0 35.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 1.219 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL036472.D

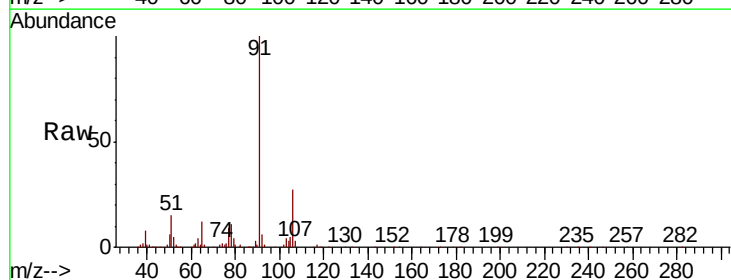
Acq: 25 Mar 2021 3:20

Tgt Ion: 91 Resp: 543929

Ion Ratio Lower Upper

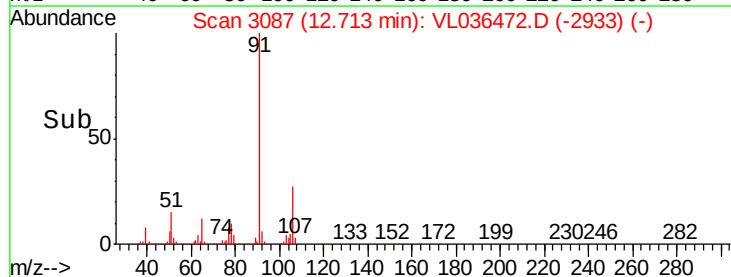
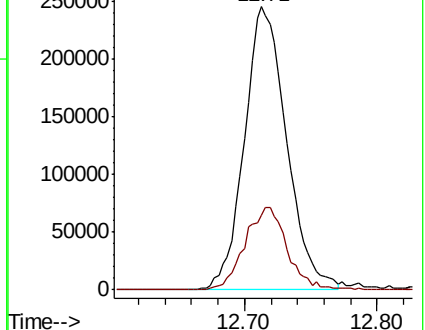
91 100

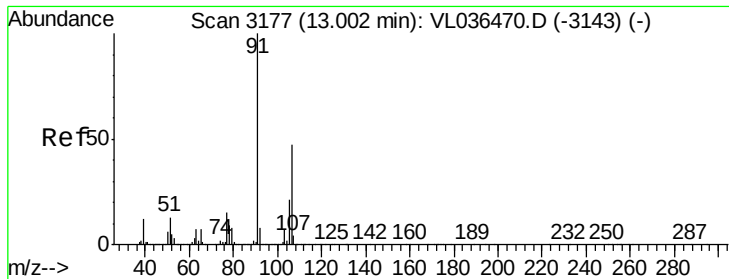
106 26.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

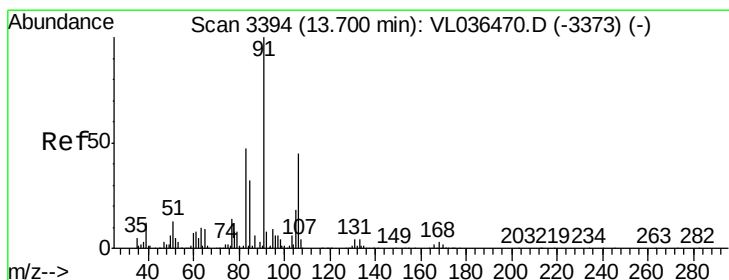
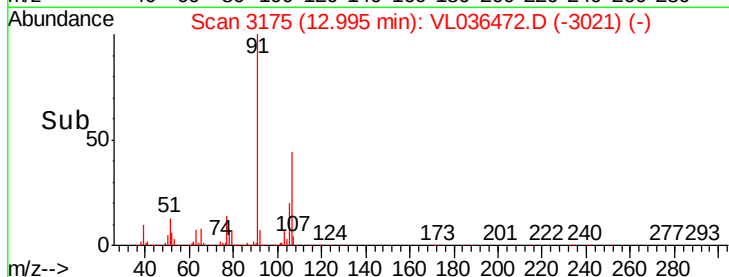
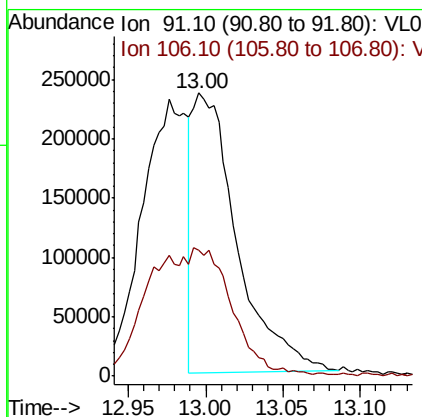
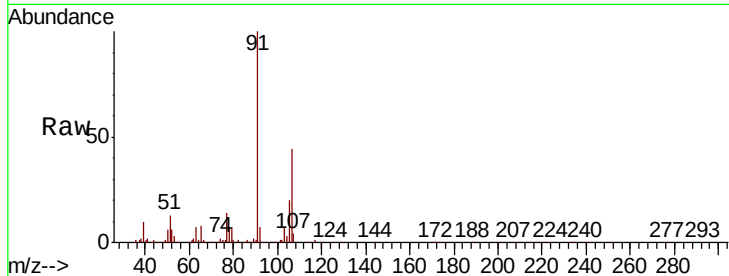
Ion 106.10 (105.80 to 106.80): V





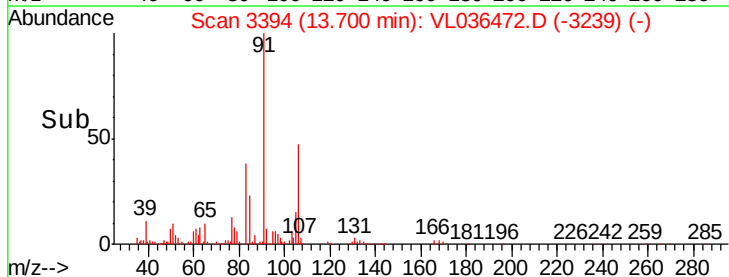
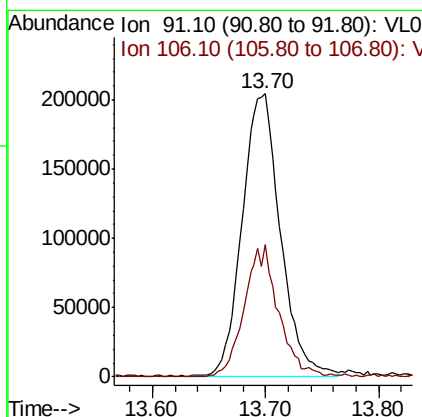
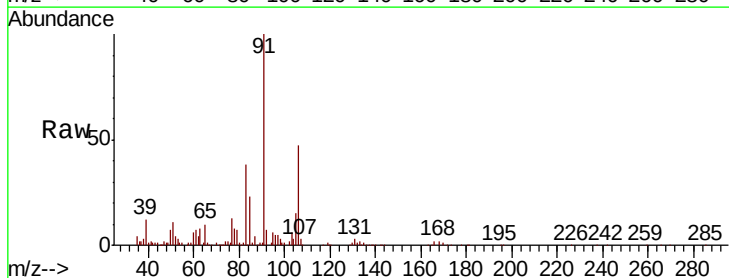
#59
m/p-Xylene
Concen: 1.189 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

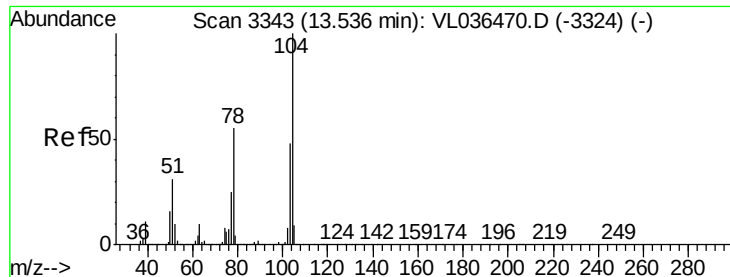
Tot Ion: 91 Resp: 466138
Ion Ratio Lower Upper
91 100
106 87.4 35.2 52.8#



#60
o-Xylene
Concen: 1.271 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 91 Resp: 478538
Ion Ratio Lower Upper
91 100
106 41.9 22.3 66.9





#61

Stvrene

Concen: 0.925 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Mar 2021 3:20

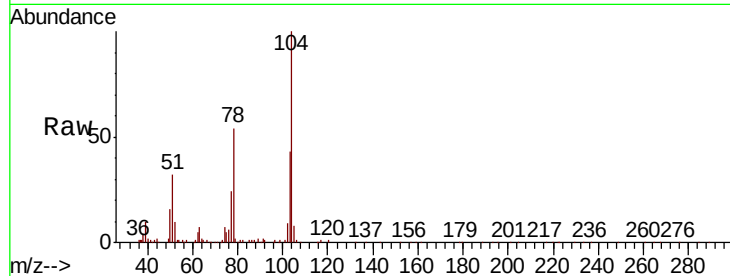
Tot Ion:104 Resp: 204936

Ion Ratio Lower Upper

104 100

78 59.1 43.7 65.5

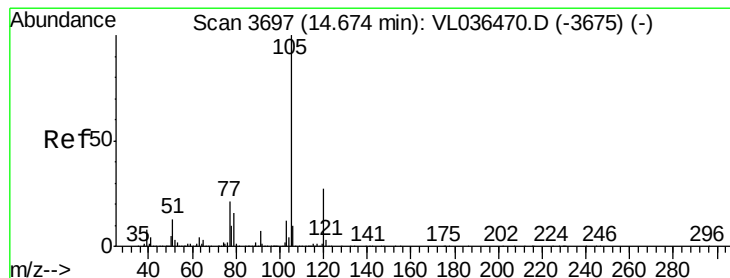
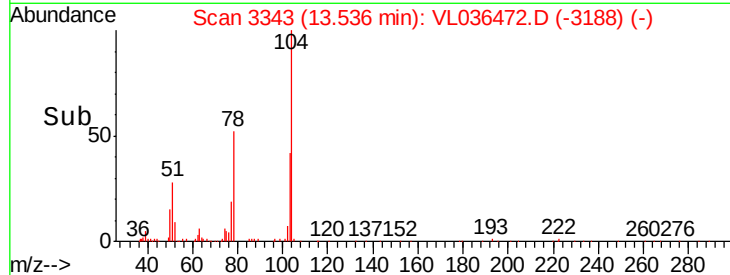
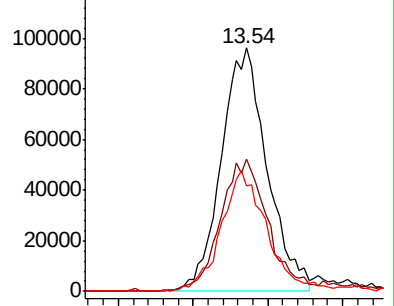
103 50.8 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.138 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL036472.D

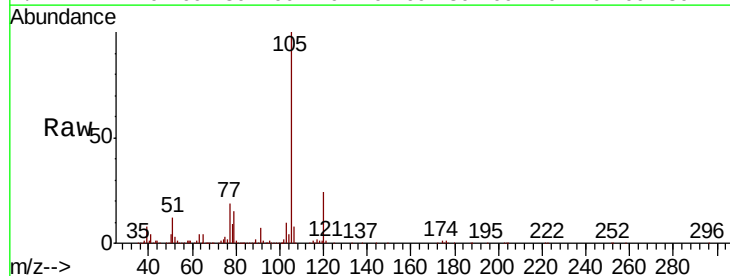
Acq: 25 Mar 2021 3:20

Tgt Ion:105 Resp: 634485

Ion Ratio Lower Upper

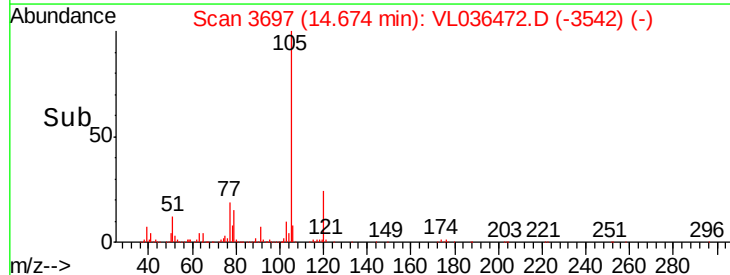
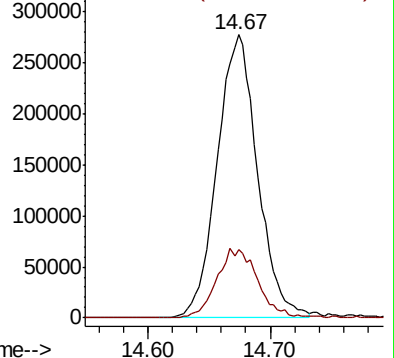
105 100

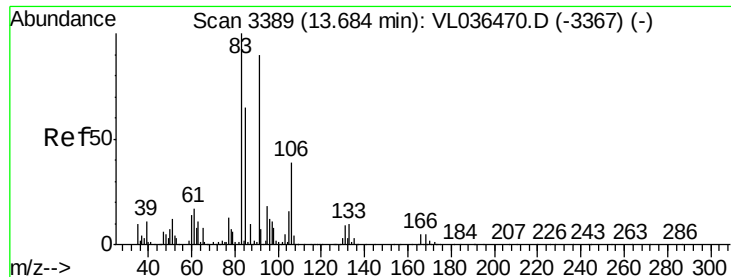
120 25.4 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 1.207 ppbv

RT: 13.68 min

Delta R.T. MSVOA.L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20

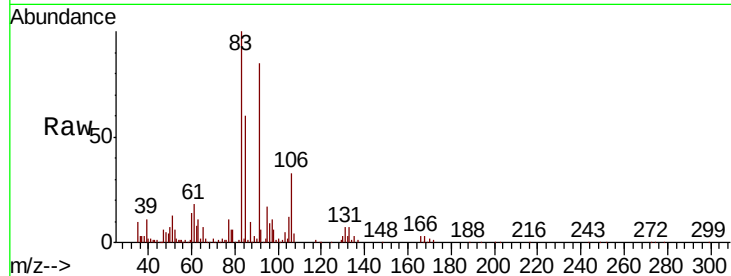
Tot Ion: 83 Resp: 351545

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.0

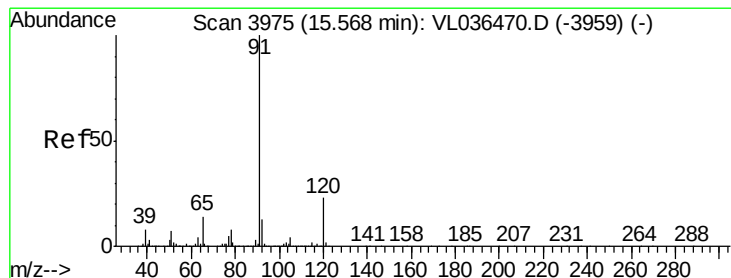
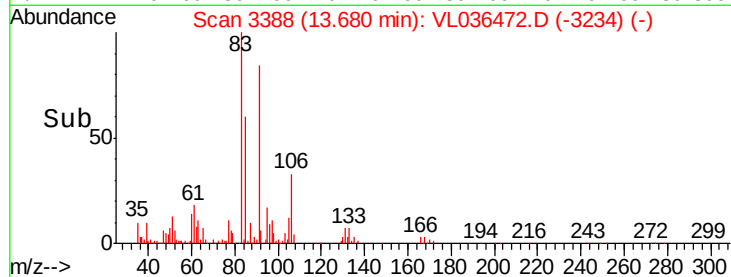
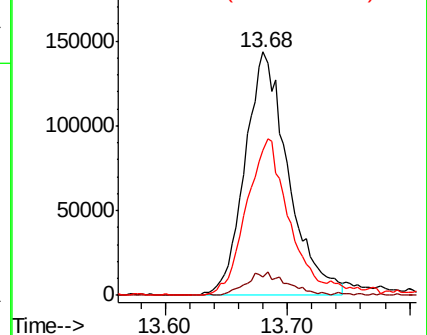
85 66.7 33.2 99.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.509 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL036472.D

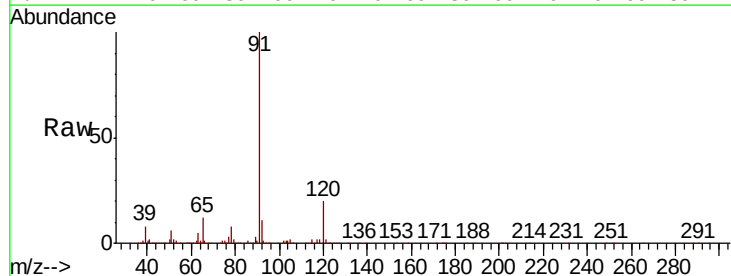
Acq: 25 Mar 2021 3:20

Tgt Ion:120 Resp: 70684

Ion Ratio Lower Upper

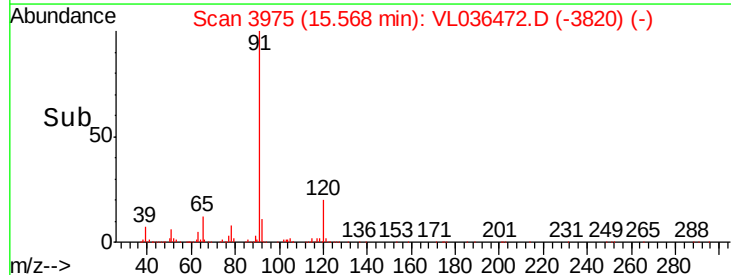
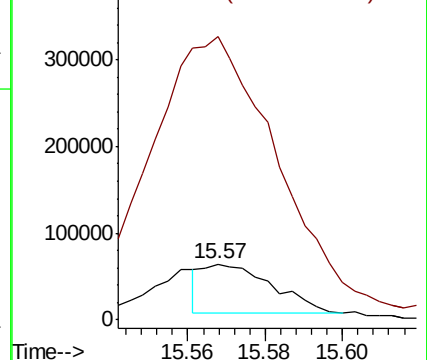
120 100

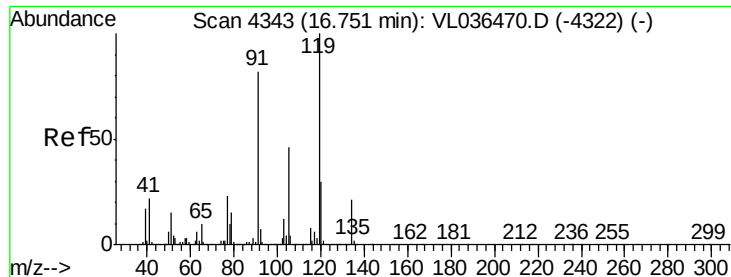
91 1143.0 377.8 566.6#



Abundance Ion 120.20 (119.90 to 120.90): VL0

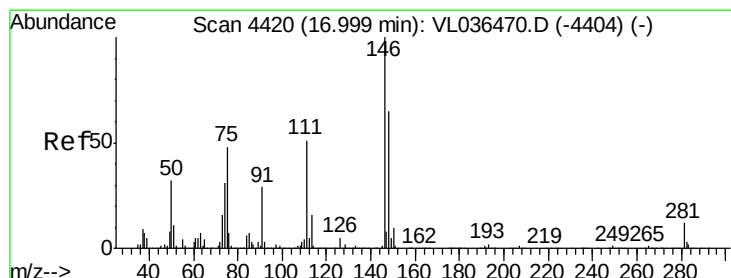
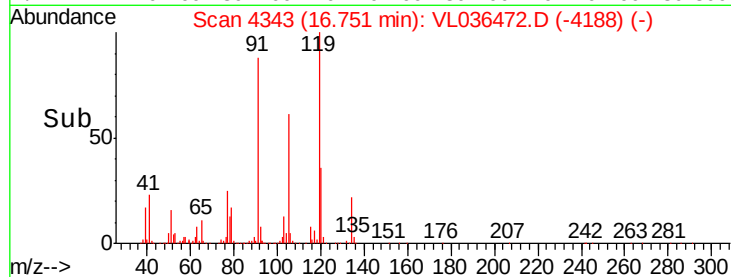
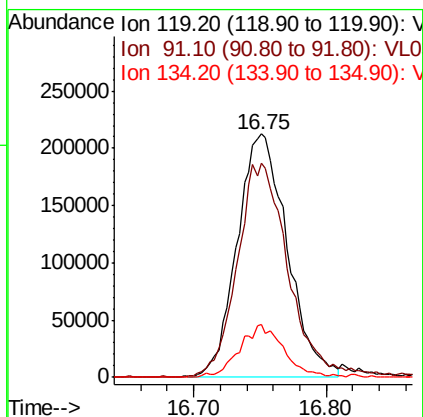
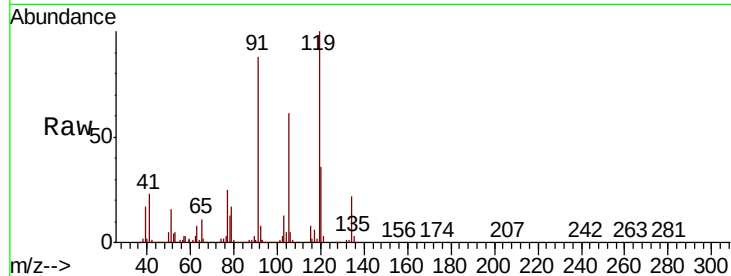
Ion 91.10 (90.80 to 91.80): VL0





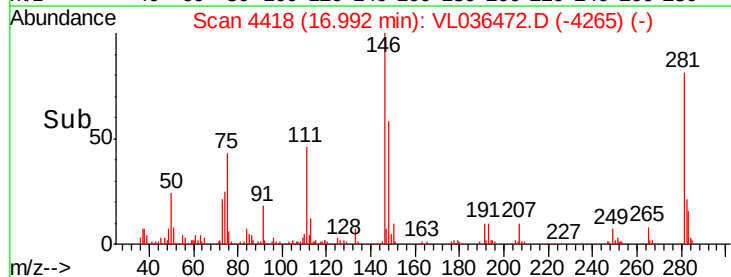
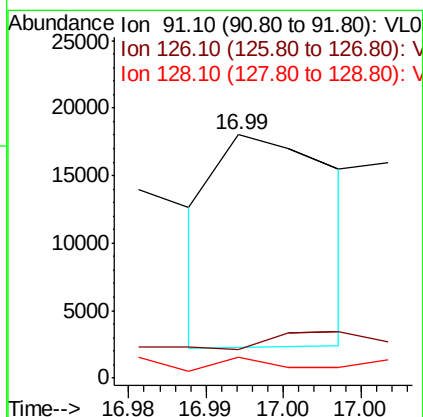
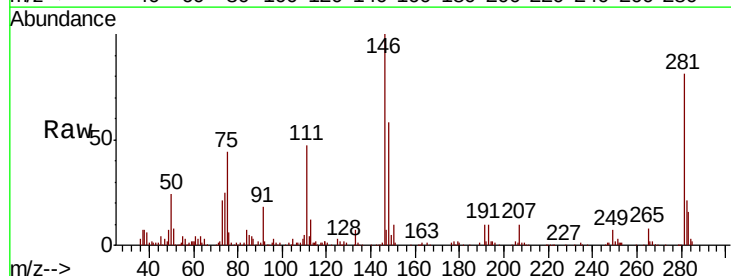
#65
 tert-Butylbenzene
 Concen: 1.138 ppbv
 RT: 16.75 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

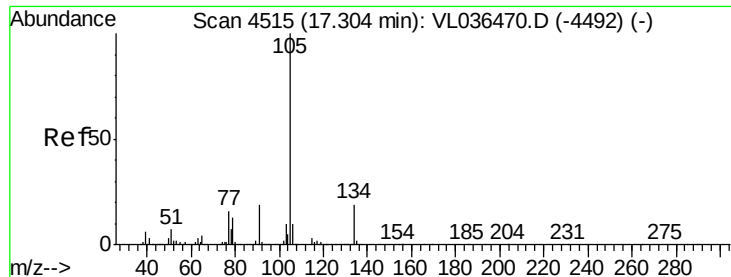
Tot Ion:	119	Resp:	551949
Ion	Ratio	Lower	Upper
119	100		
91	91.8	67.5	101.3
134	19.7	15.8	23.8



#66
 Benzyl Chloride
 Concen: 0.074 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:	91	Resp:	8407
Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.5	20.3#
128	0.0	4.2	6.2#





#67

sec-Butylbenzene

Concen: 1.172 ppbv

RT: 17.30 min

Delta R.T. MSVOA_L

Lab File:

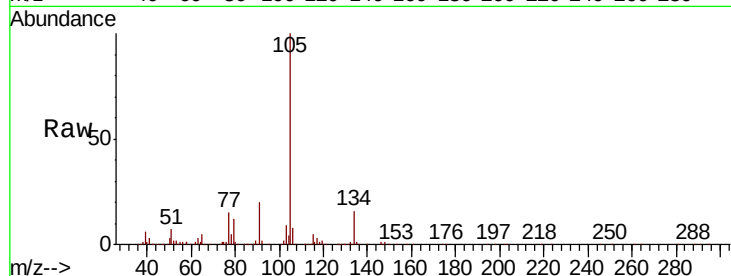
Acq: 25 Mar 2021 3:20

Tot Ion: 105 Resp: 792379

Ion Ratio Lower Upper

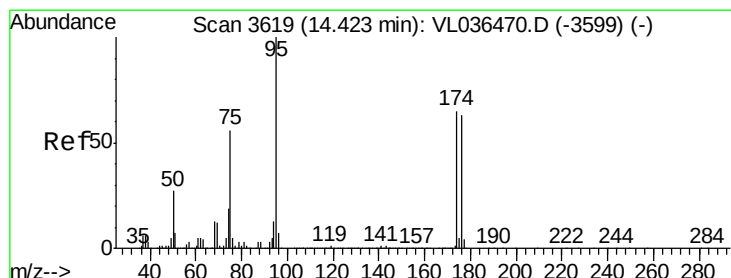
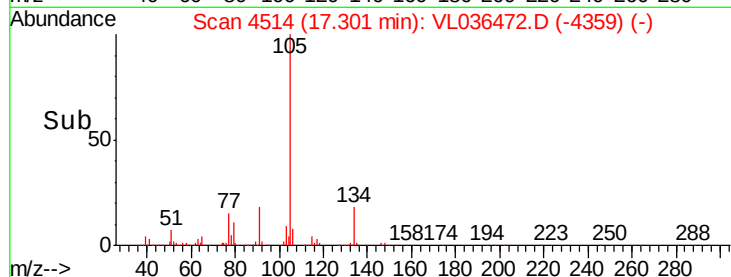
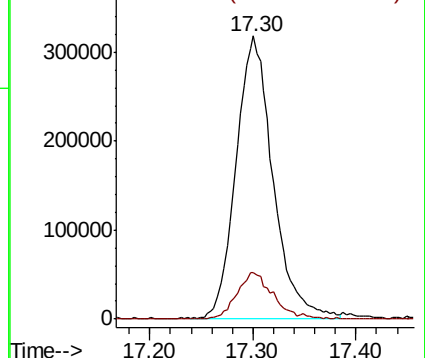
105 100

134 16.6 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.425 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

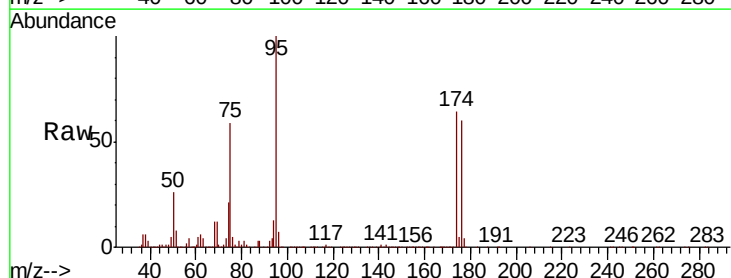
Tgt Ion: 95 Resp: 2693812

Ion Ratio Lower Upper

95 100

174 64.9 51.0 76.6

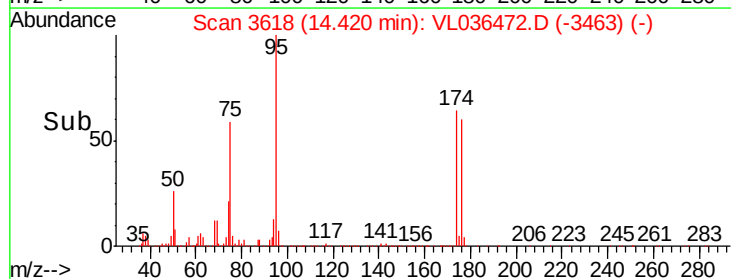
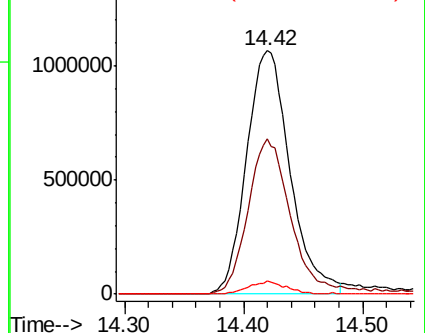
175 4.9 3.9 5.9

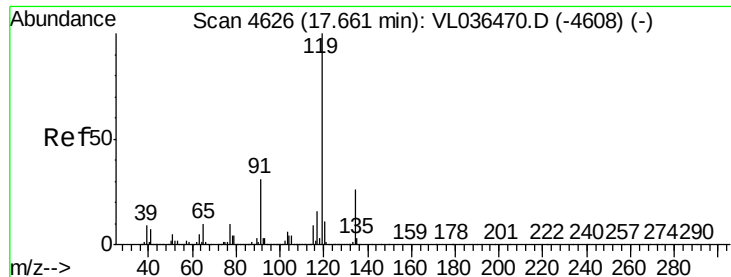


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

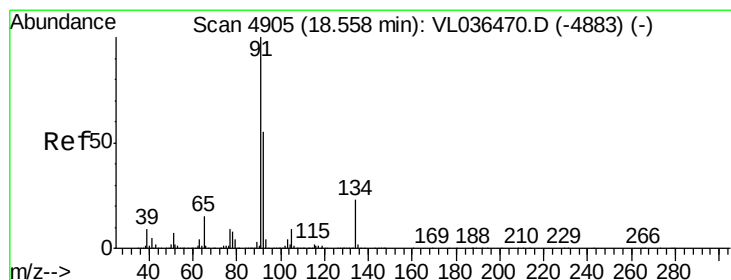
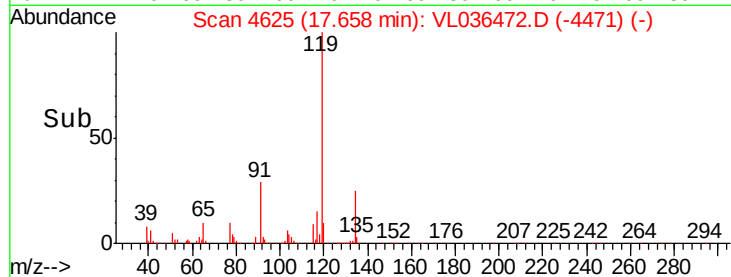
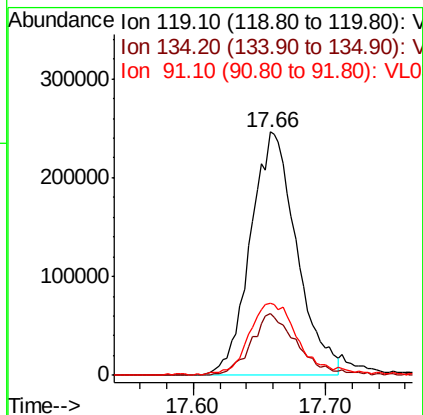
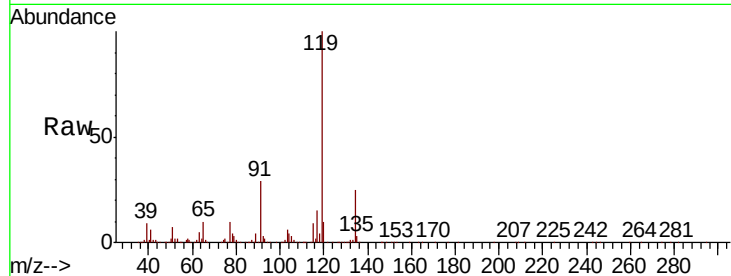
Ion 175.00 (174.70 to 175.70): V





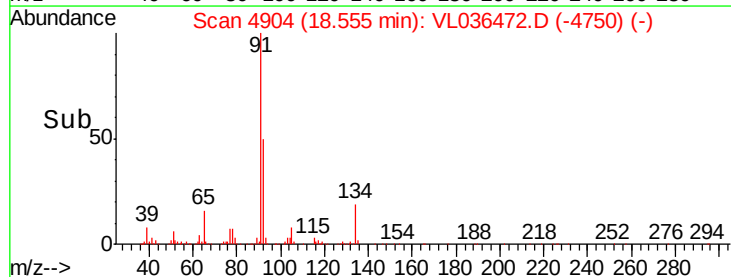
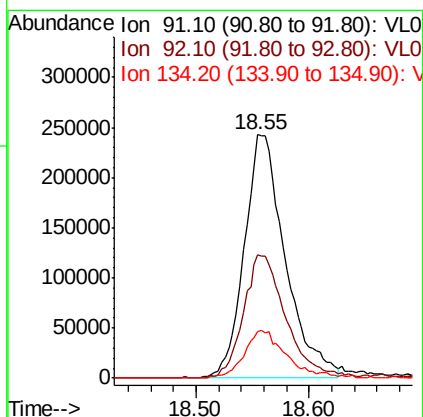
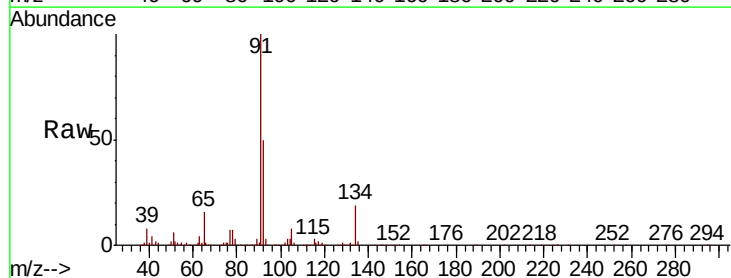
#69
 p-Isopropyltoluene
 Concen: 1.105 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

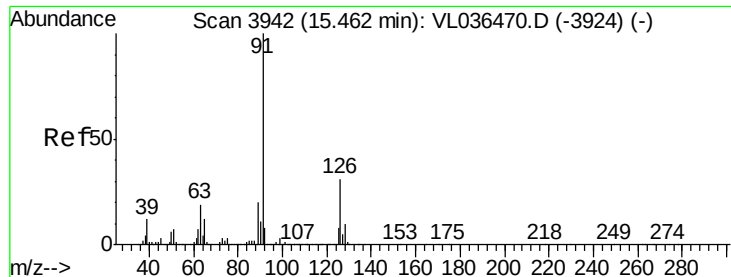
Tot Ion:	119	Resp:	597953
Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	32.3	25.0	37.4



#70
 n-Butylbenzene
 Concen: 1.094 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

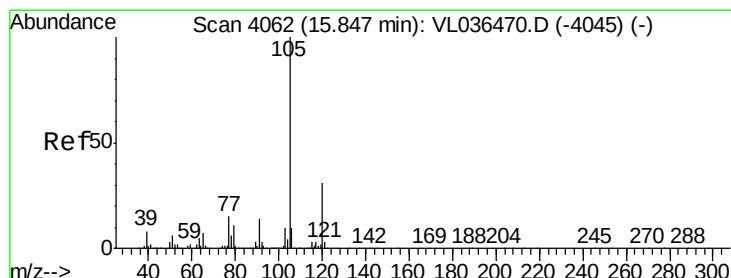
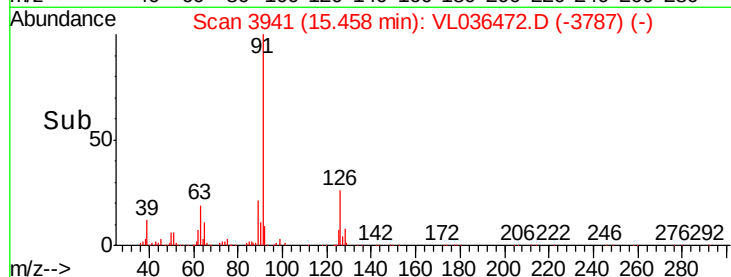
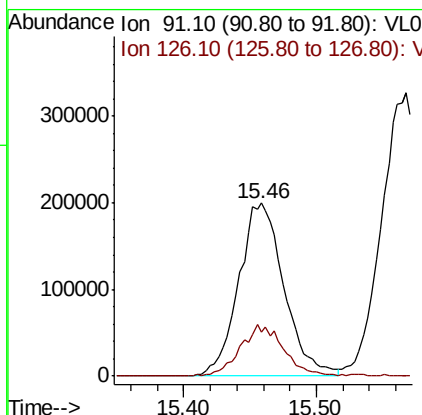
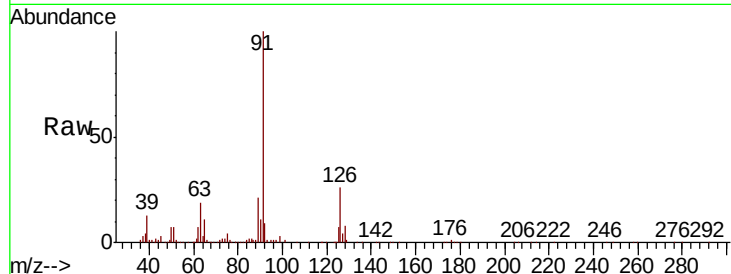
Tgt Ion:	91	Resp:	611295
Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.8	65.8
134	20.6	18.0	27.0





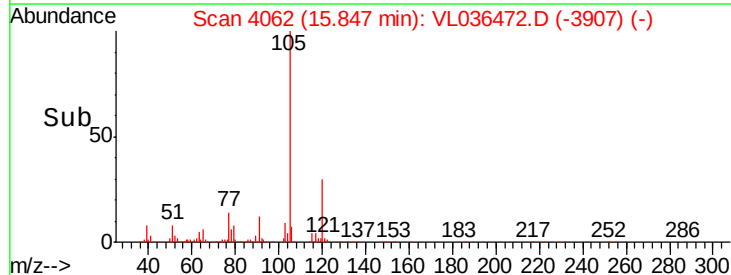
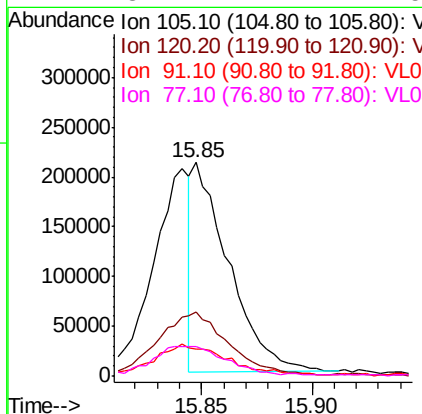
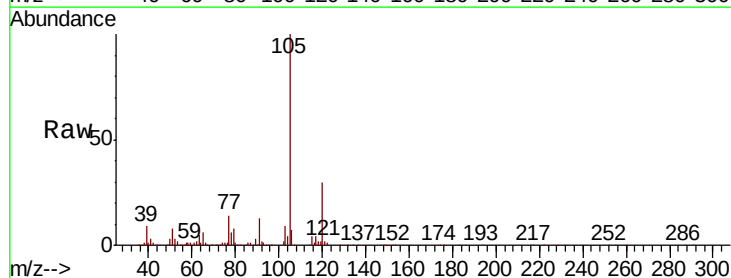
#71
 2-Chlorotoluene
 Concen: 1.120 ppbv
 RT: 15.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 3:20

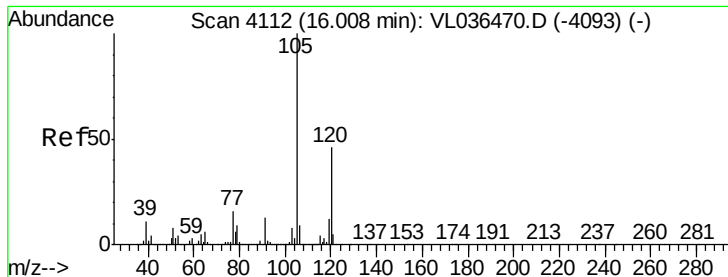
Tot Ion	Ratio	Lower	Upper
91	100		
126	29.1	12.1	48.5



#72
 4-Ethyltoluene
 Concen: 0.577 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	61.1	24.0	36.0#
91	0.0	11.0	16.4#
77	31.1	11.7	17.5#





#73

1,3,5-Trimethylbenzene

Concen: 1.150 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

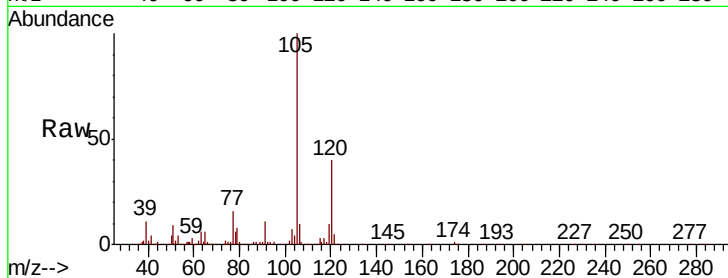
Acq: 25 Mar 2021 3:20

Tot Ion:105 Resp: 454423

Ion Ratio Lower Upper

105 100

120 39.7 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

200000

150000

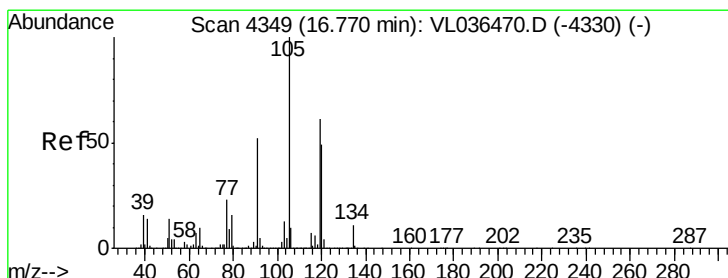
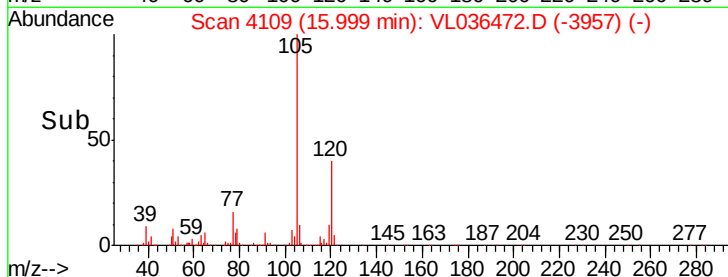
100000

50000

0

15.95 16.00 16.05

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.632 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

Tgt Ion:105 Resp: 264946

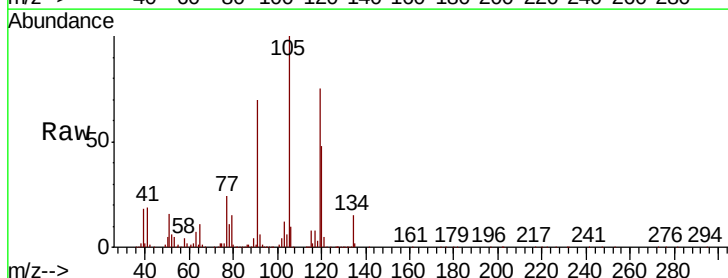
Ion Ratio Lower Upper

105 100

120 46.5 39.2 58.8

91 62.7 42.6 64.0

77 23.0 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

300000

250000

200000

150000

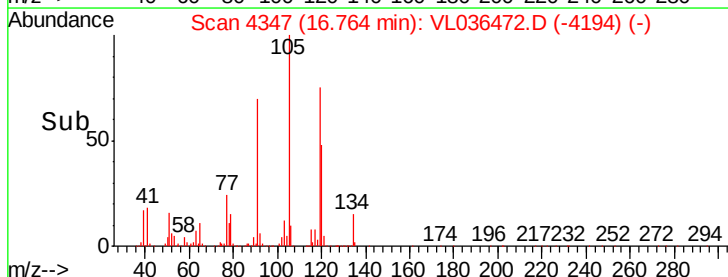
100000

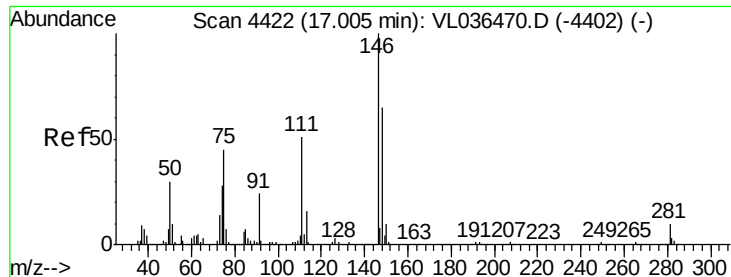
50000

0

16.70 16.75

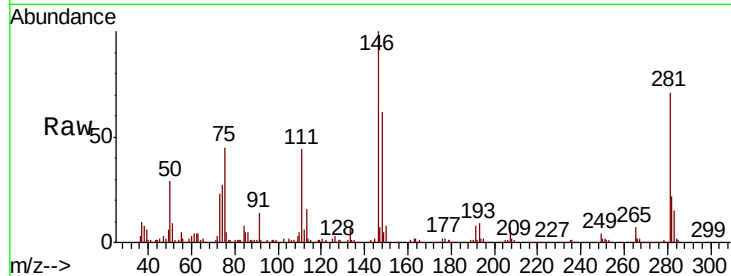
Time-->



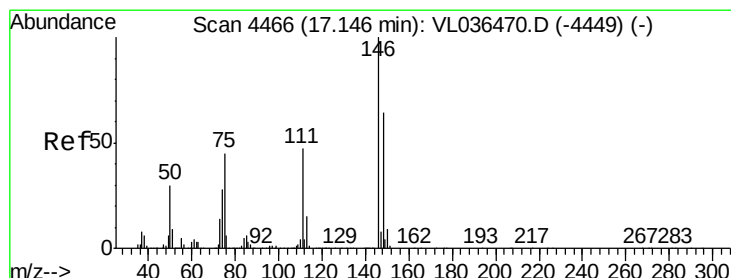
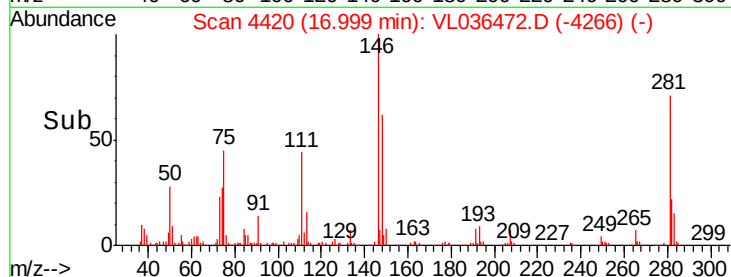
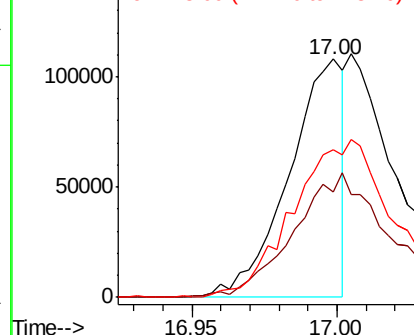


#75
 1,3-Dichlorobenzene
 Concen: 0.601 ppbv
 RT: 17.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	73.8#
148	0.0	32.3	96.8#

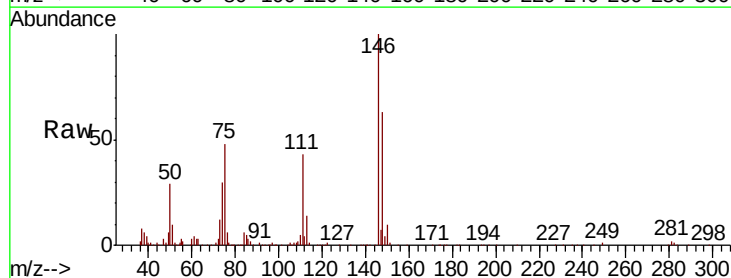


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

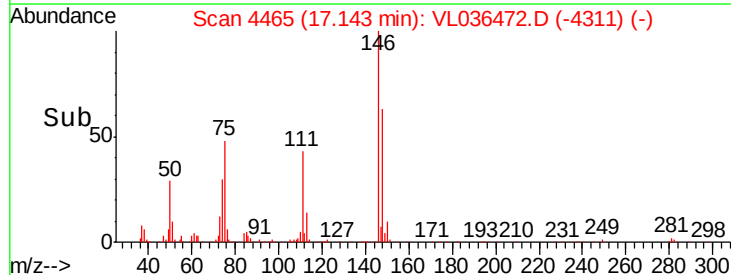
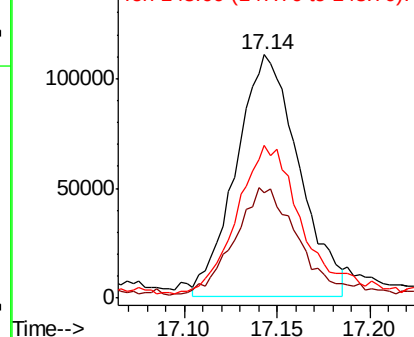


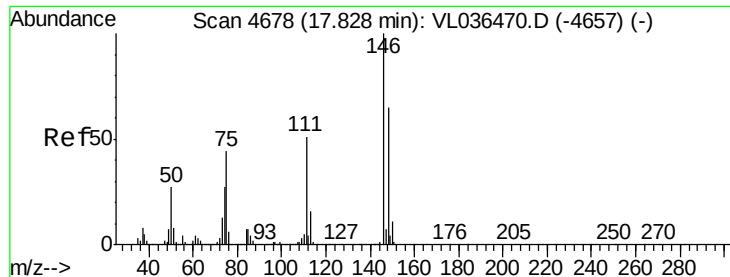
#76
 1,4-Dichlorobenzene
 Concen: 1.110 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.1	24.3	73.0
148	70.9	32.9	98.6



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





#77

1,2-Dichlorobenzene

Concen: 1.115 ppbv

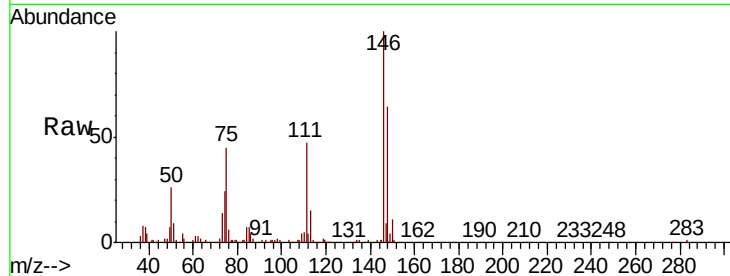
RT: 17.82 min

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Mar 2021 3:20

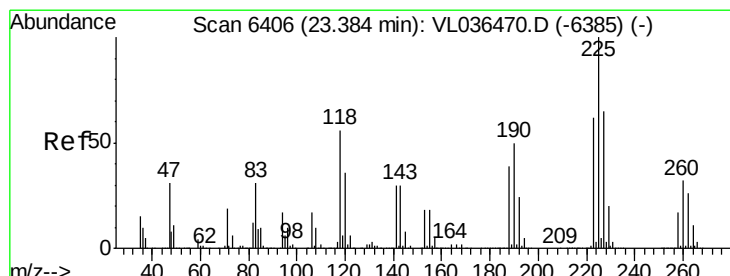
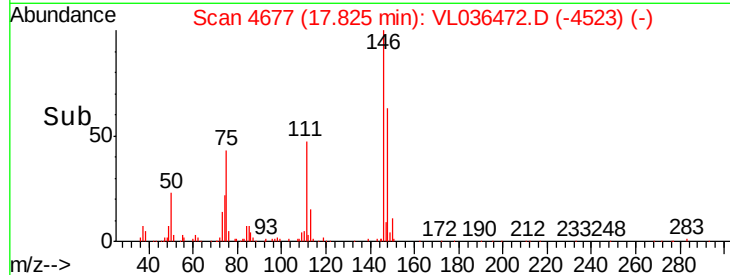
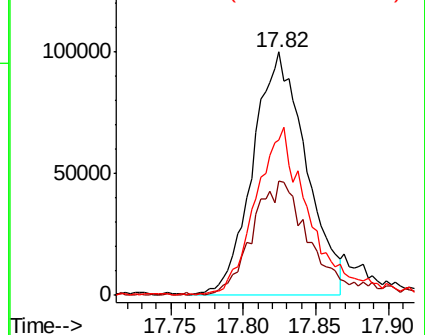
Tot Ion:	146	Resp:	254367
Ion	Ratio	Lower	Upper
146	100		
111	52.4	25.5	76.5
148	71.3	32.9	98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 1.293 ppbv

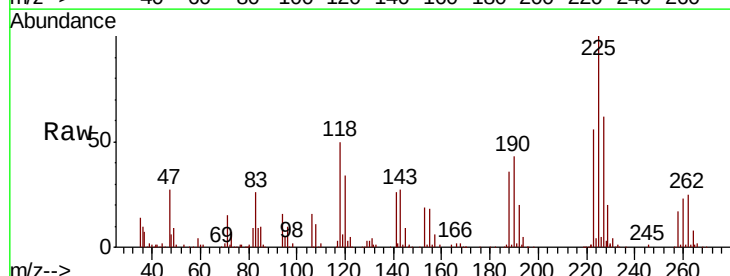
RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

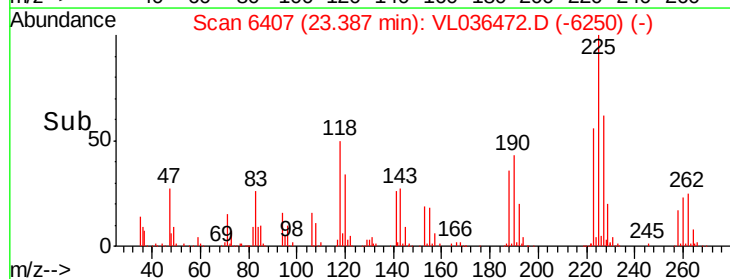
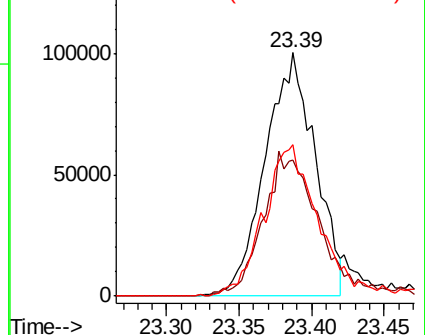
Tgt Ion:	225	Resp:	239510
Ion	Ratio	Lower	Upper
225	100		
223	68.4	50.9	76.3
227	70.2	52.2	78.2

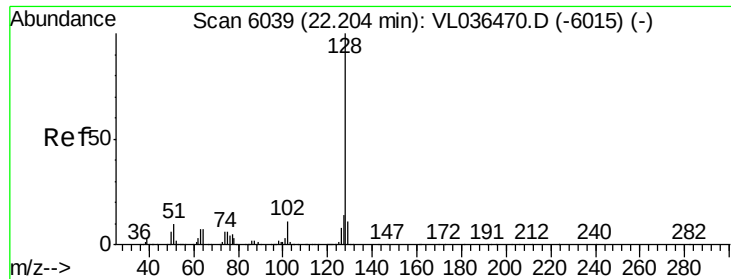


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.391 ppbv

RT: 22.21 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

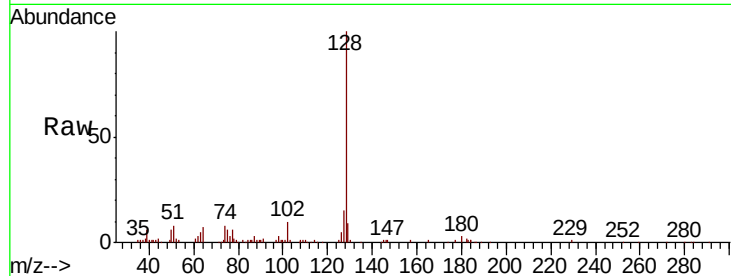
Tot Ion:128 Resp: 97691

Ion Ratio Lower Upper

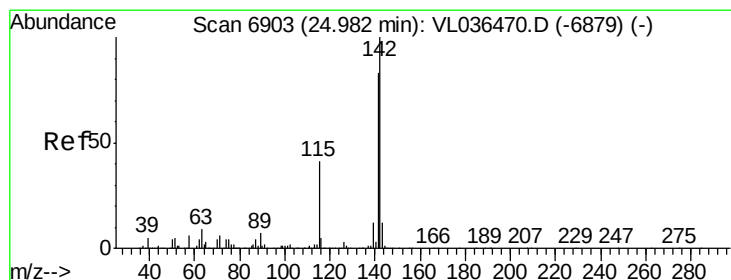
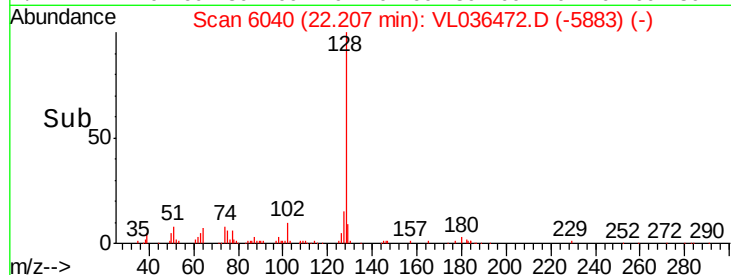
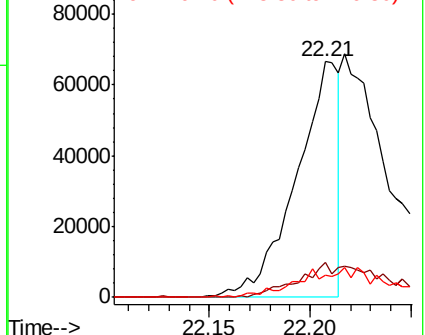
128 100

127 15.1 10.9 16.3

129 9.3 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.343 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. 0.02 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

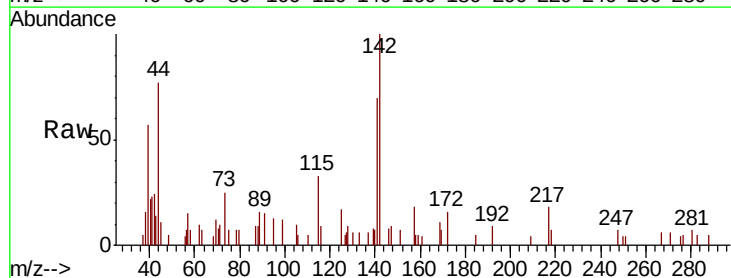
Tgt Ion:142 Resp: 18221

Ion Ratio Lower Upper

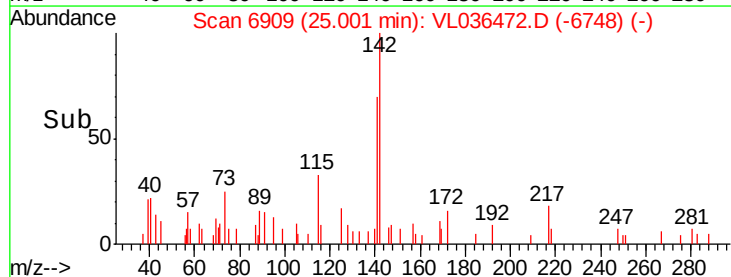
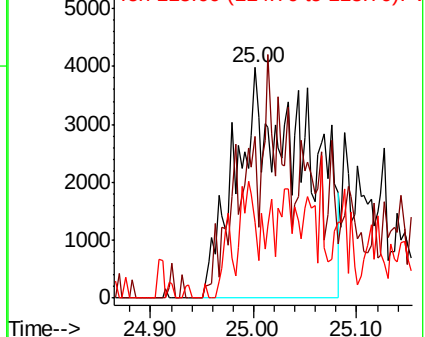
142 100

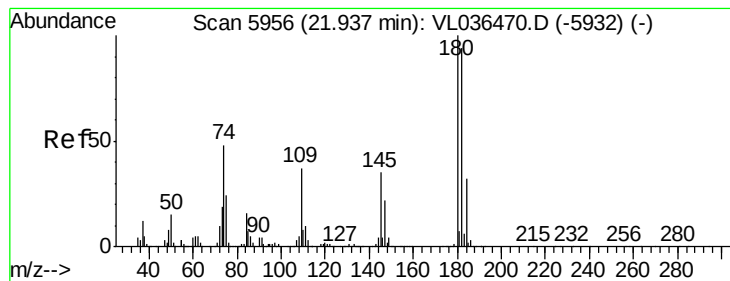
141 82.4 67.7 101.5

115 15.4 33.4 50.2#



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: 0.947 ppbv

RT: 21.94 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20

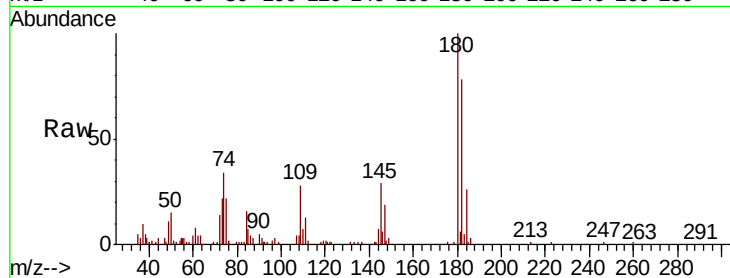
Tot Ion:180 Resp: 138119

Ion Ratio Lower Upper

180 100

182 118.9 83.0 124.4

184 41.9 25.2 37.8#



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

