

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020321\
 Data File : VL036292.D
 Acq On : 3 Feb 2021 11:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 01:46:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1580746	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.21	114	3546288	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.13	117	4253701	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2947670	8.37	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1699217	8.019	ppbv 99
3) Chlorodifluoromethane	3.01	51	1899432	9.784	ppbv 98
4) Chloromethane	3.16	50	933532	9.729	ppbv 94
5) Vinyl Chloride	3.28	62	928497	10.226	ppbv 99
6) Bromomethane	3.49	94	514216	10.130	ppbv 96
7) Chloroethane	3.58	64	333500	10.666	ppbv 94
8) Dichlorotetrafluoroethane	3.21	85	2137301	10.411	ppbv 97
9) Propene	3.03	41	829927	8.977	ppbv 99
10) Heptane	8.16	43	2152857	9.382	ppbv 96
11) Trichlorofluoromethane	3.98	101	2266180	10.520	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1368754	10.480	ppbv 99
13) Ethanol	3.63	45	120043	8.269	ppbv 85
14) Bromoethene	3.76	108	600465	10.097	ppbv 97
15) Acetone	3.88	43	1769395	9.140	ppbv 100
16) 1,3-Butadiene	3.35	39	889812	9.435	ppbv 96
17) tert-Butyl alcohol	4.32	59	1623671	10.164	ppbv 99
18) 1,1-Dichloroethene	4.32	96	593528	9.802	ppbv 91
19) Isopropyl Alcohol	4.00	45	1119184	9.589	ppbv # 98
20) Methylene Chloride	4.37	84	558463	9.038	ppbv 97
21) Allyl Chloride	4.44	41	1054538	10.007	ppbv 94
22) trans-1,2-Dichloroethene	4.92	96	582663	10.416	ppbv 96
23) Vinyl Acetate	5.11	43	2370454	10.105	ppbv 99
24) 1,1-Dichloroethane	5.04	63	1760375	10.360	ppbv 99
25) Ethyl Acetate	5.71	43	3705336	9.533	ppbv 99
26) Hexane	5.72	57	1514081	9.356	ppbv 97
27) Carbon Disulfide	4.58	76	1527429	11.804	ppbv 99
28) Methyl tert-Butyl Ether	5.07	73	2191340	10.013	ppbv 97
29) Chloroform	5.79	83	2414192	10.420	ppbv 95
30) Cyclohexane	7.17	84	1241728	10.041	ppbv 99
31) cis-1,2-Dichloroethene	5.58	61	1558680	10.078	ppbv 94
32) 1,1,1-Trichloroethane	6.55	97	2363546	10.547	ppbv 100
34) 2-Butanone	5.28	43	2338166	8.953	ppbv 96
35) Carbon Tetrachloride	7.06	117	2383006	10.635	ppbv 98
36) Benzene	6.93	78	3118157	9.596	ppbv 97
37) 1,2-Dichloroethane	6.35	62	1972803	10.089	ppbv 99
38) Trichloroethene	7.88	130	1055790	8.773	ppbv 98
39) 1,2-Dichloropropane	7.65	63	1270115	9.627	ppbv 99
40) 1,4-Dioxane	7.87	88	423364	8.871	ppbv # 96
41) Tetrahydrofuran	6.09	42	1430279	9.477	ppbv 97
42) Bromodichloromethane	7.83	83	2619388	10.658	ppbv 98
43) Methyl Methacrylate	8.06	69	1420345	10.286	ppbv 94

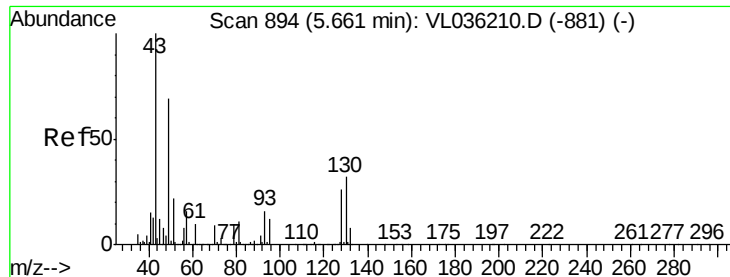
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	5385837	9.024	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1559711	11.892	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1839410	10.913	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	1252579	9.924	ppbv	96
48) Dibromochloromethane	10.35	129	2034560	11.018	ppbv	100
49) Bromoform	13.09	173	1686581	10.942	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	3688729	9.473	ppbv	99
51) 2-Hexanone	10.18	43	3012759	9.807	ppbv #	99
52) Tetrachloroethene	11.27	164	1010012	8.435	ppbv	98
53) Toluene	9.85	91	3483746	9.584	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1857772	9.930	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1514298	7.977	ppbv	94
57) Chlorobenzene	12.19	112	2472300	7.408	ppbv	98
58) Ethyl Benzene	12.76	91	4718819	7.476	ppbv	99
59) m/p-Xylene	13.04	91	3229278	5.954	ppbv #	1
60) o-Xylene	13.74	91	3758158	7.188	ppbv	100
61) Styrene	13.57	104	2645236	8.012	ppbv	100
62) Isopropylbenzene	14.72	105	5591370	7.193	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2702337	6.942	ppbv	100
64) n-propylbenzene	15.61	120	1436426	7.521	ppbv	100
65) tert-Butylbenzene	16.79	119	4765286	7.235	ppbv	99
66) Benzyl Chloride	17.04	91	1827809	10.862	ppbv	99
67) sec-Butylbenzene	17.35	105	6830011	6.985	ppbv	100
69) p-Isopropyltoluene	17.70	119	5601097	7.223	ppbv	100
70) n-Butylbenzene	18.60	91	6025680	7.293	ppbv	99
71) 2-Chlorotoluene	15.50	91	4438961	7.265	ppbv	99
72) 4-Ethyltoluene	15.89	105	4278099	7.251	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	4107335	7.303	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	4178050	7.242	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	2264358	7.318	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	2245369	7.345	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	2260169	7.479	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1579568	6.535	ppbv	98
79) Naphthalene	22.26	128	3064385	9.087	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	832262	11.567	ppbv	95
81) 1,2,4-Trichlorobenzene	21.99	180	1566077	7.955	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.04 min

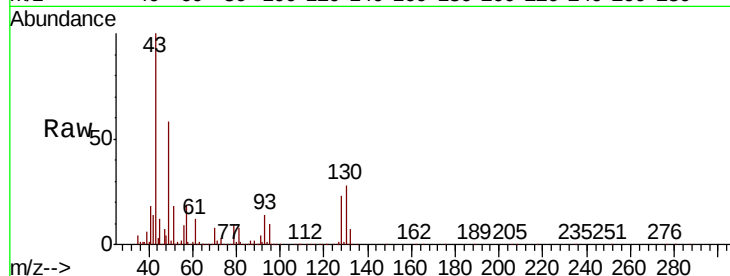
Lab File: VL036292.D

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Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1580746

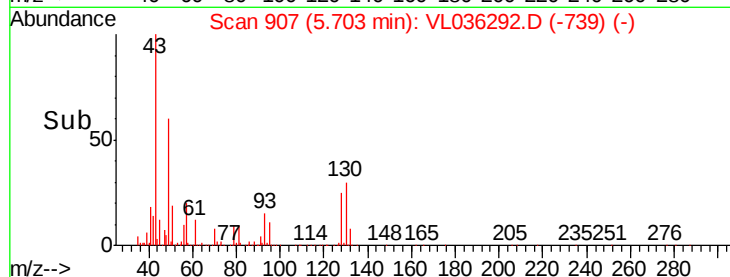
Ion	Ratio	Lower	Upper
49	100		
128	41.8	20.1	60.2
130	52.9	25.3	75.9



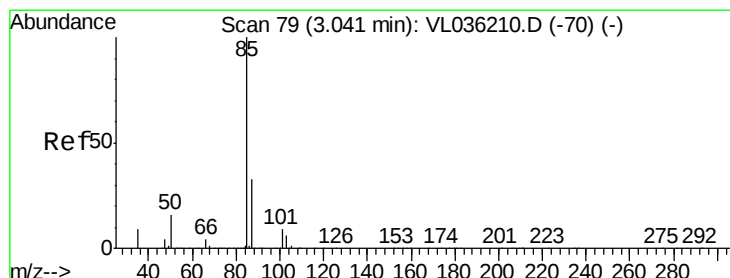
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 8.019 ppbv

RT: 3.07 min Scan# 88

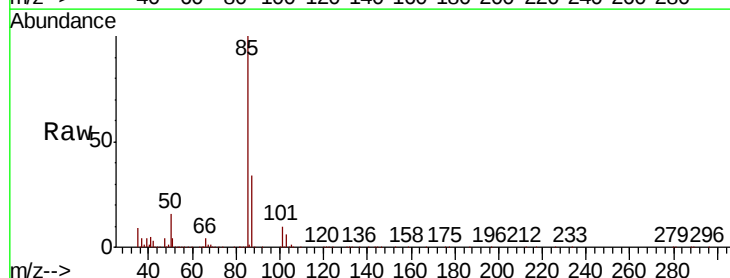
Delta R.T. 0.03 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

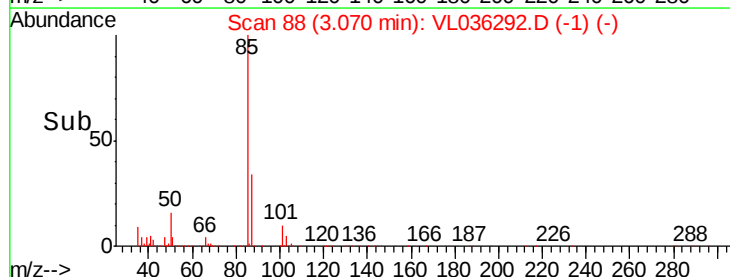
Tgt Ion: 85 Resp: 1699217

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.4	39.6

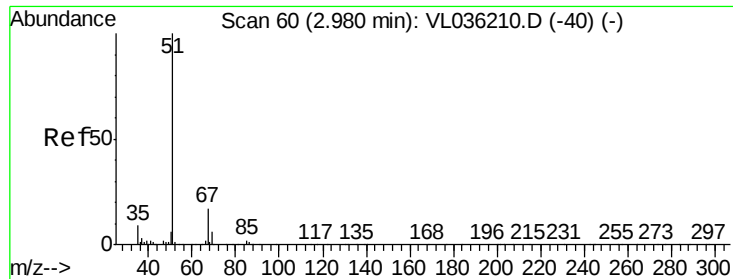


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



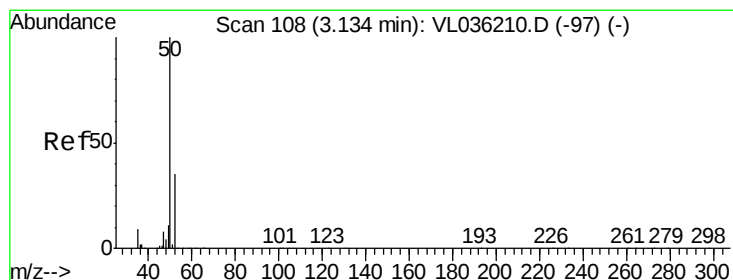
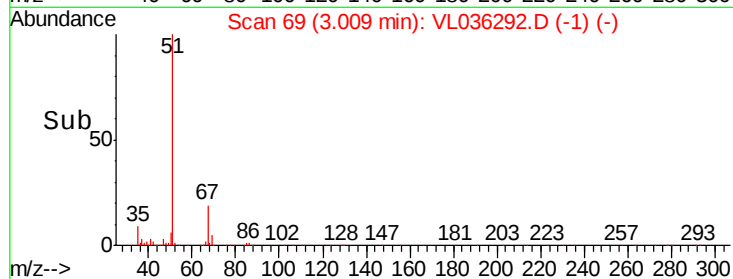
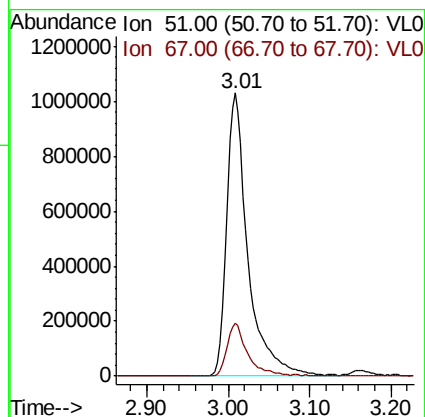
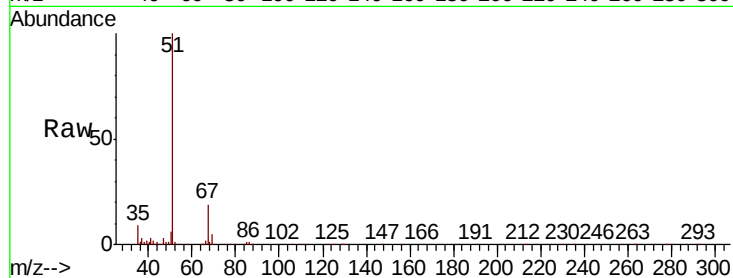
Time-->



#3
Chlorodifluoromethane
Concen: 9.784 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.03 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

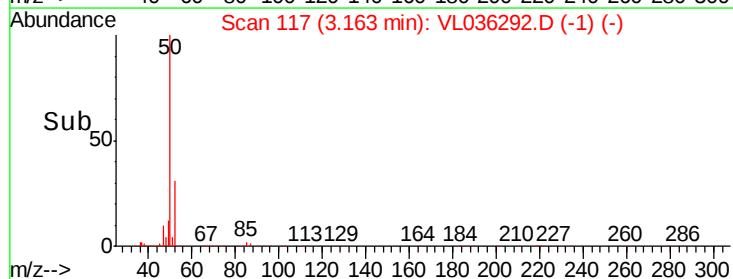
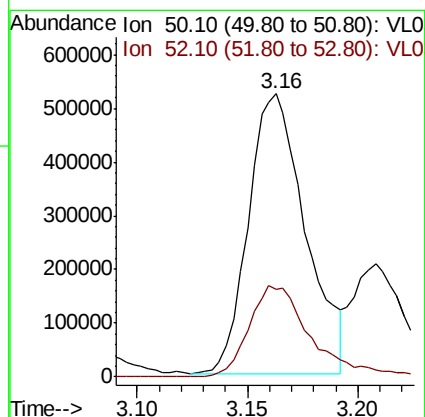
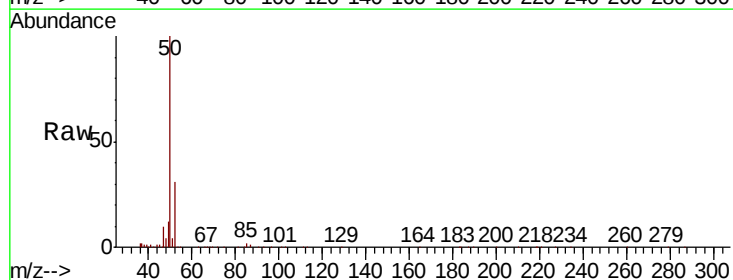
Instrument :
MSVOA_L
ClientSampleId :

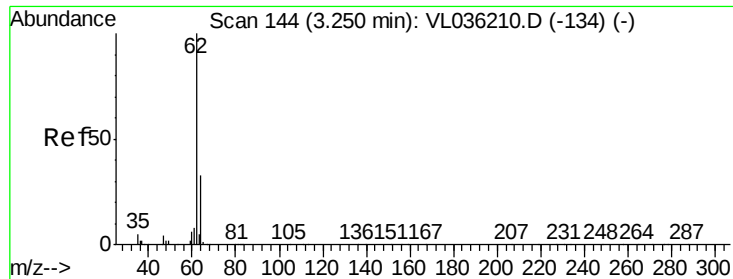
Tot Ion: 51 Resp: 1899432
Ion Ratio Lower Upper
51 100
67 18.5 14.0 21.0



#4
Chloromethane
Concen: 9.729 ppbv
RT: 3.16 min Scan# 117
Delta R.T. 0.03 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 50 Resp: 933532
Ion Ratio Lower Upper
50 100
52 31.2 27.8 41.8





#5

Vinyl Chloride

Concen: 10.226 ppbv

RT: 3.28 min Scan# 153

Delta R.T. 0.03 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

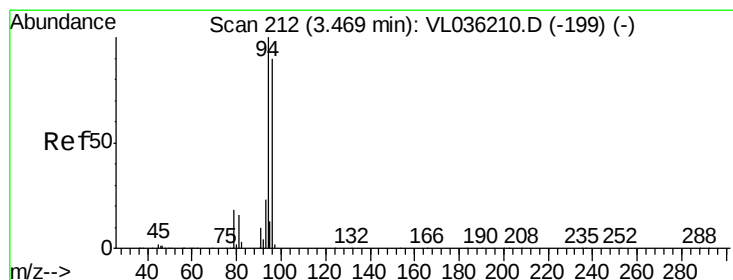
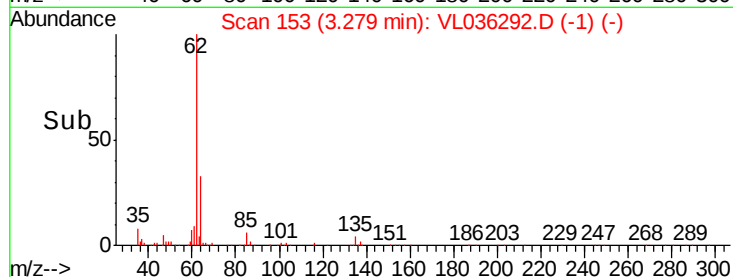
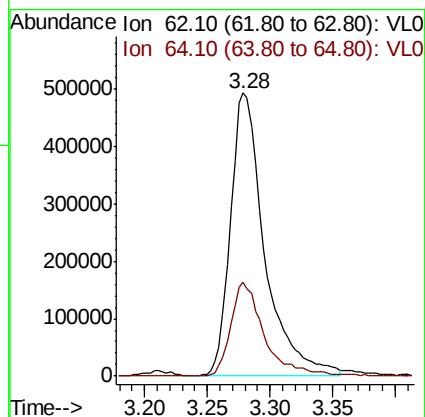
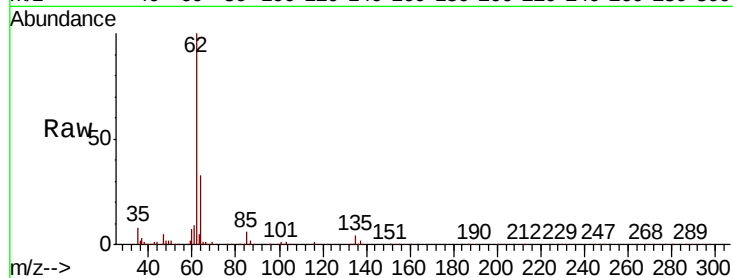
ClientSampled :

Tot Ion: 62 Resp: 928497

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2



#6

Bromomethane

Concen: 10.130 ppbv

RT: 3.49 min Scan# 220

Delta R.T. 0.03 min

Lab File: VL036292.D

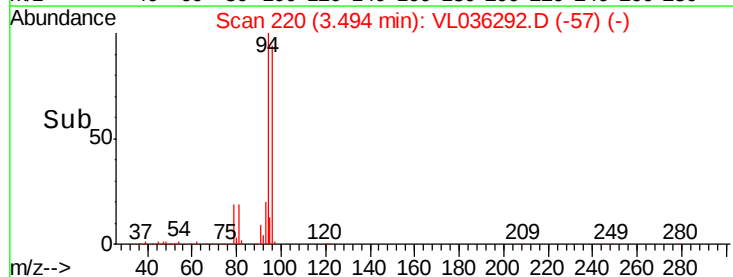
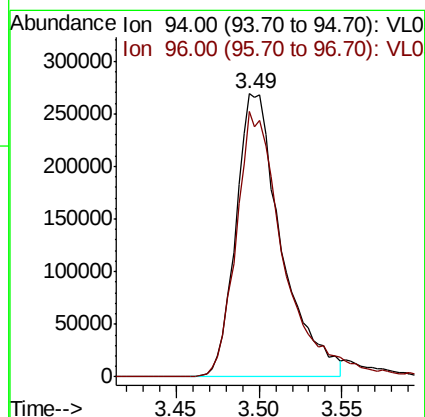
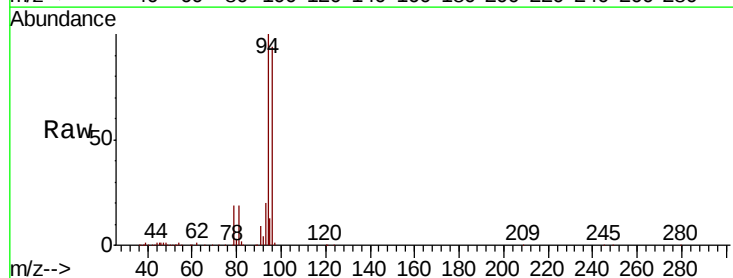
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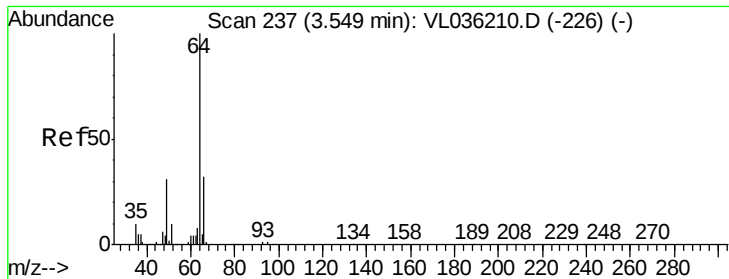
Tgt Ion: 94 Resp: 514216

Ion Ratio Lower Upper

94 100

96 93.9 71.9 107.9





#7

Chloroethane

Concen: 10.666 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

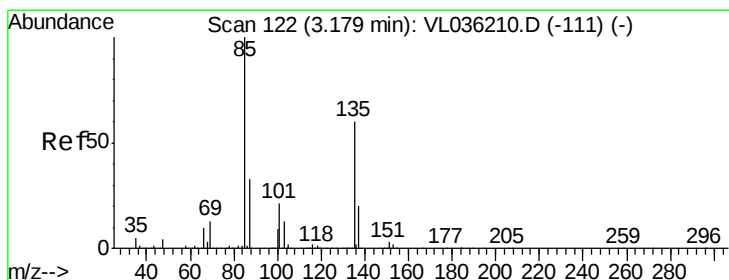
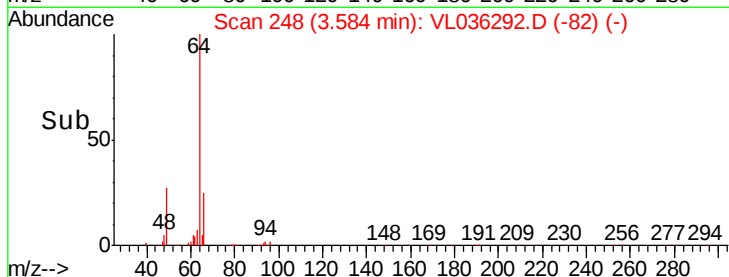
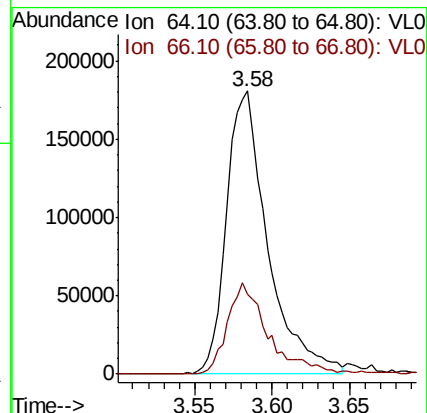
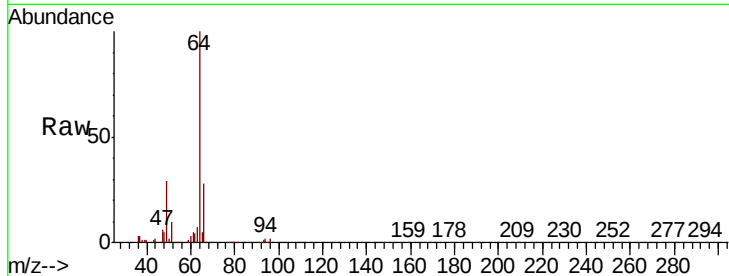
ClientSampleId :

Tot Ion: 64 Resp: 333500

Ion Ratio Lower Upper

64 100

66 28.2 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 10.411 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.03 min

Lab File: VL036292.D

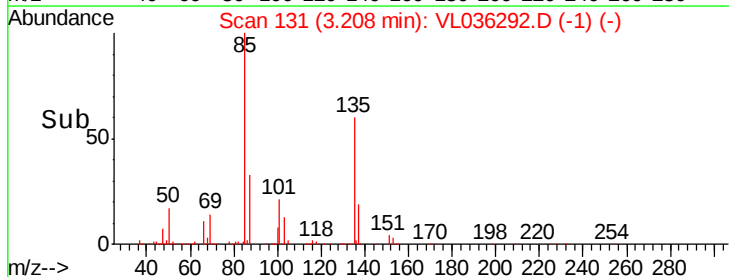
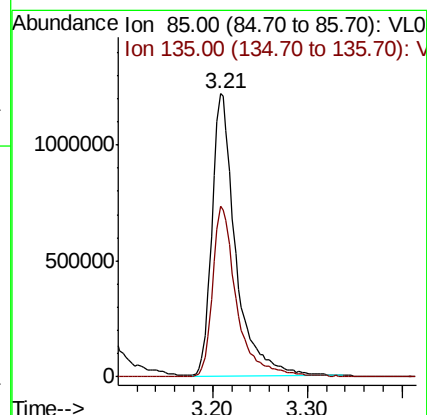
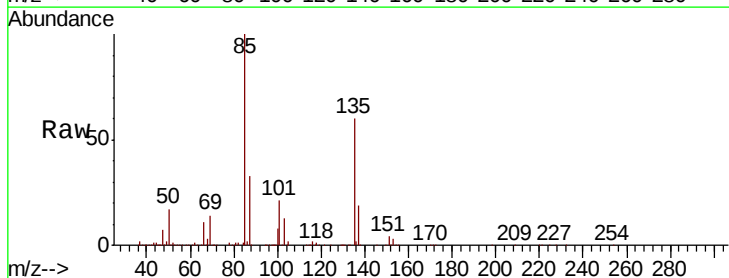
Acq: 3 Feb 2021 11:59

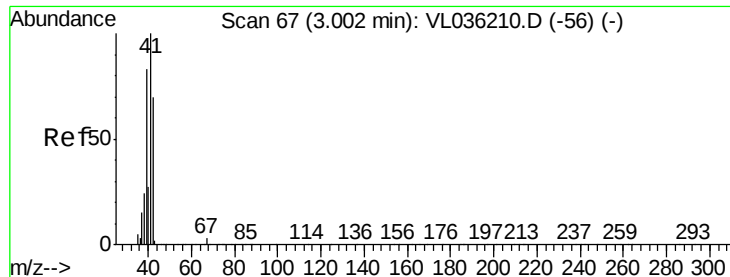
Tgt Ion: 85 Resp: 2137301

Ion Ratio Lower Upper

85 100

135 62.0 51.5 77.3





#9

Propene

Concen: 8.977 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

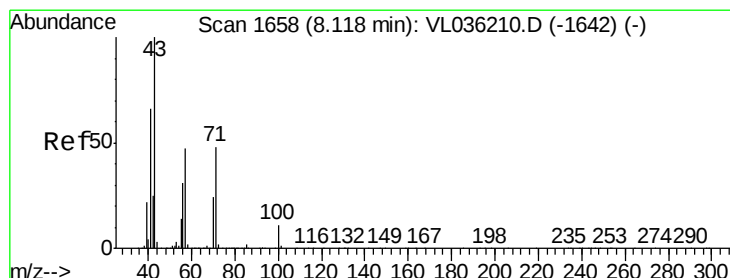
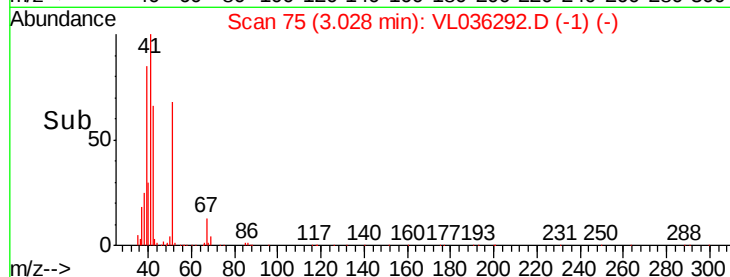
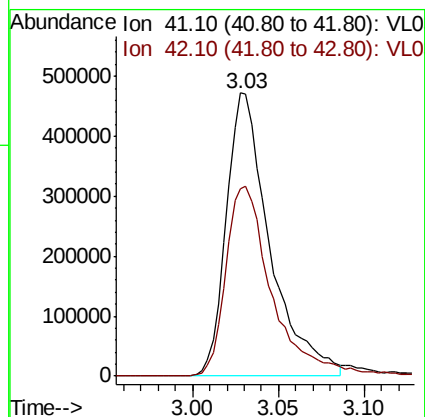
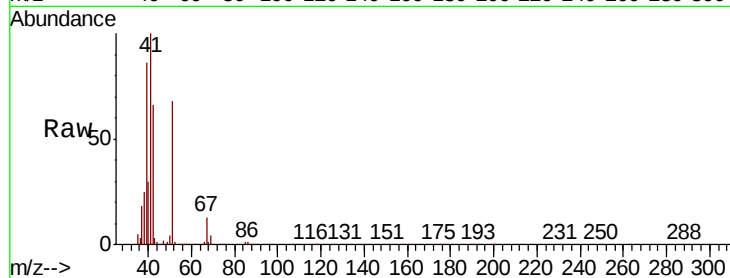
ClientSampleId :

Tot Ion: 41 Resp: 829927

Ion Ratio Lower Upper

41 100

42 71.9 57.1 85.7



#10

Heptane

Concen: 9.382 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.04 min

Lab File: VL036292.D

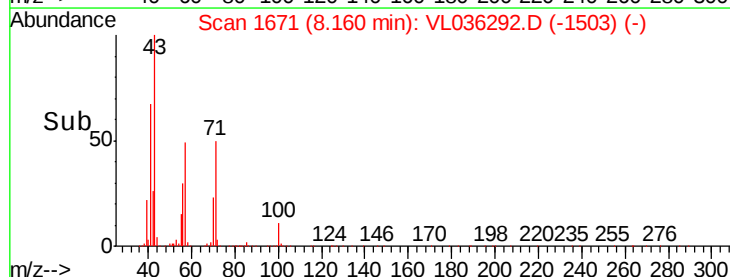
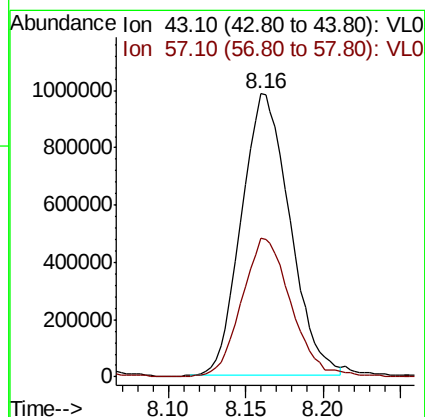
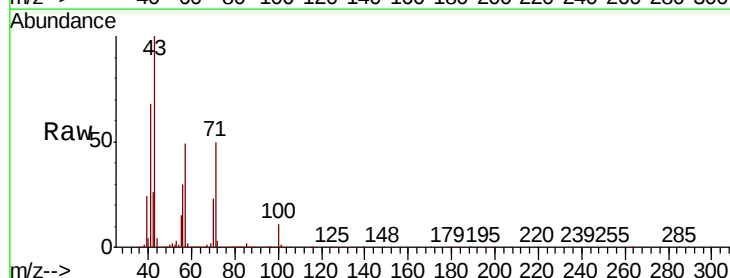
Acq: 3 Feb 2021 11:59

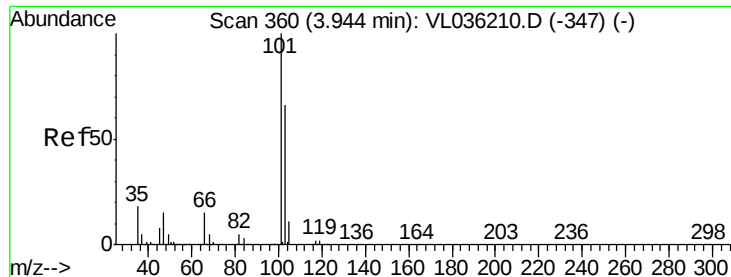
Tgt Ion: 43 Resp: 2152857

Ion Ratio Lower Upper

43 100

57 50.1 38.1 57.1

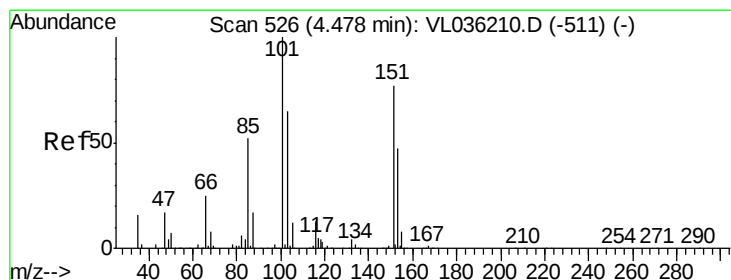
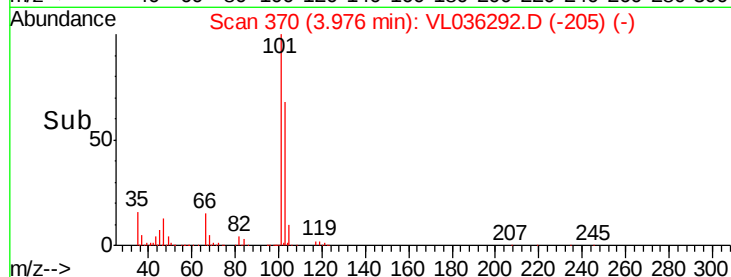
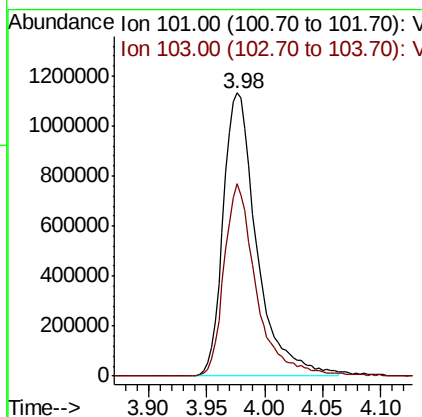
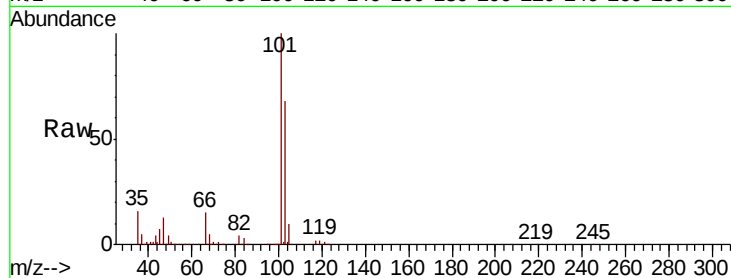




#11
 Trichlorofluoromethane
 Concen: 10.520 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.03 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

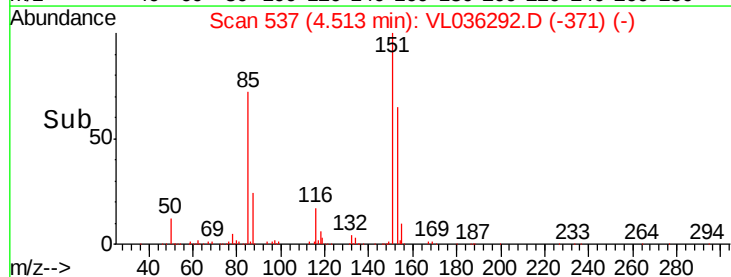
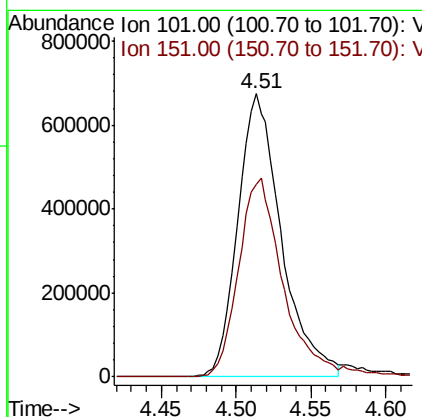
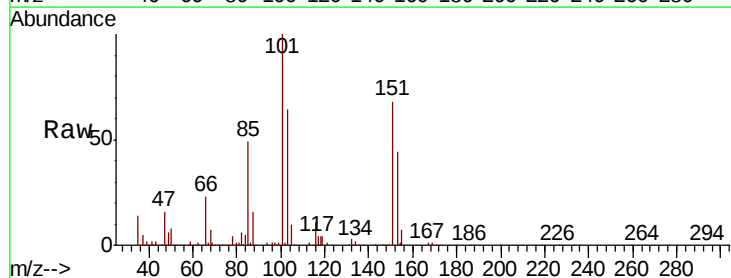
Instrument :
 MSVOA_L
 ClientSampleId :

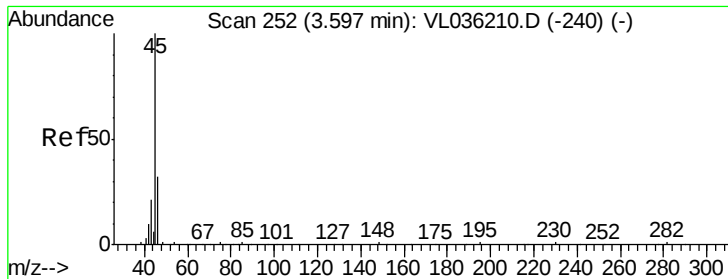
Tot Ion:101 Resp: 2266180
 Ion Ratio Lower Upper
 101 100
 103 67.9 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.480 ppbv
 RT: 4.51 min Scan# 537
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion:101 Resp: 1368754
 Ion Ratio Lower Upper
 101 100
 151 73.5 59.8 89.6

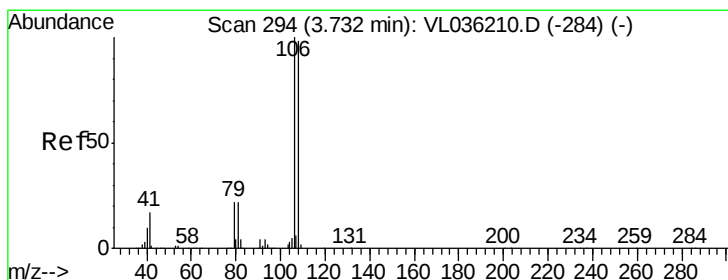
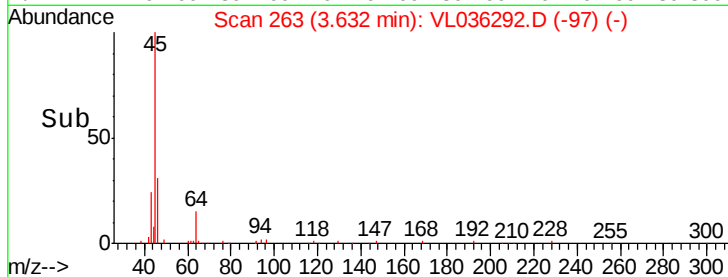
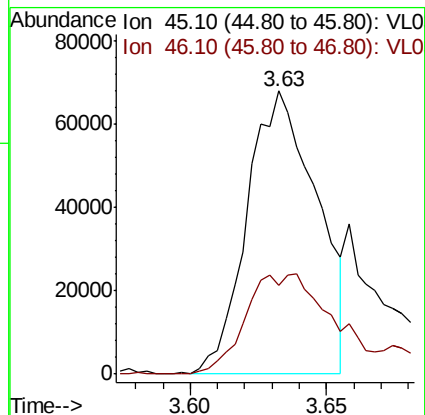
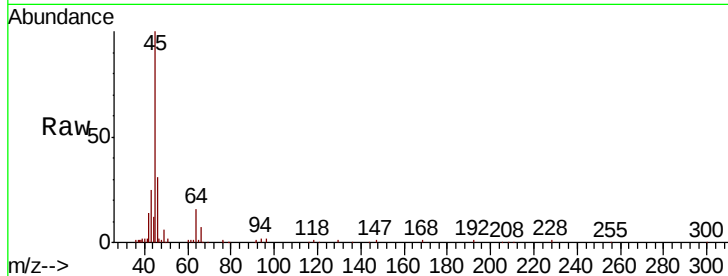




#13
Ethanol
Concen: 8.269 ppbv
RT: 3.63 min Scan# 263
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

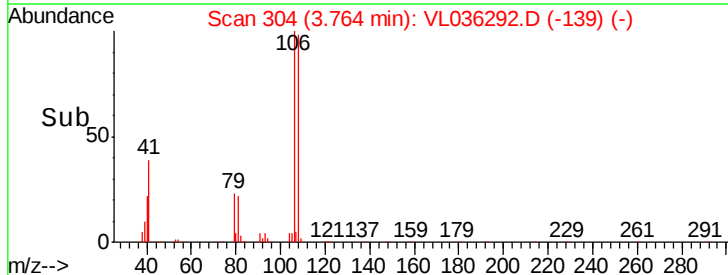
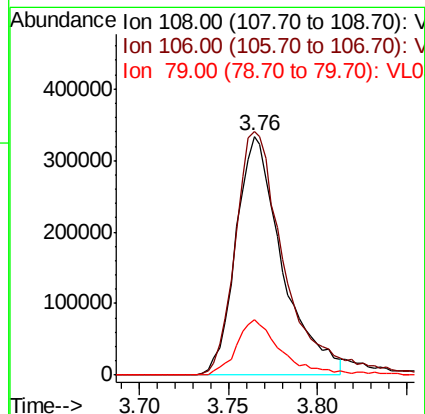
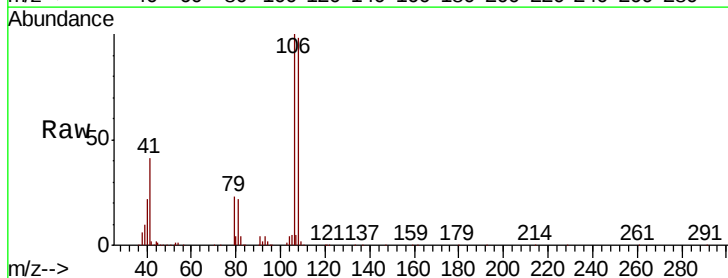
Instrument :
MSVOA_L
ClientSampleId :

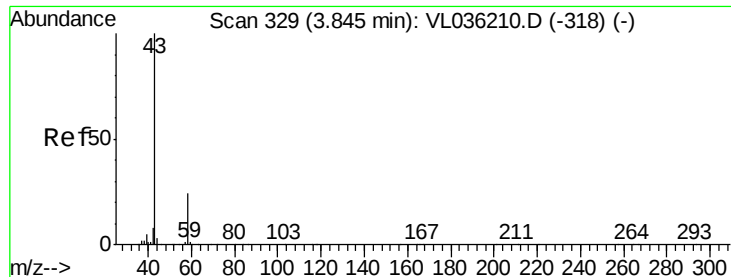
Tot Ion: 45 Resp: 120043
Ion Ratio Lower Upper
45 100
46 58.1 19.2 77.0



#14
Bromoethene
Concen: 10.097 ppbv
RT: 3.76 min Scan# 304
Delta R.T. 0.03 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 108 Resp: 600465
Ion Ratio Lower Upper
108 100
106 111.0 91.4 137.2
79 23.8 18.3 27.5

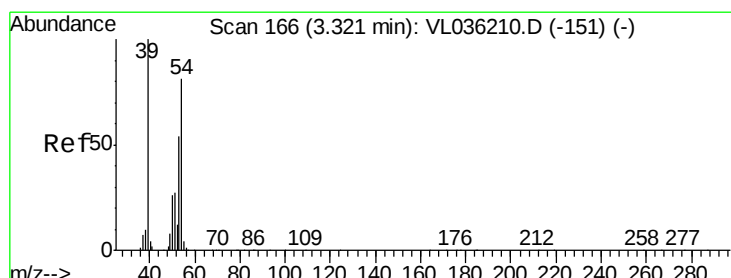
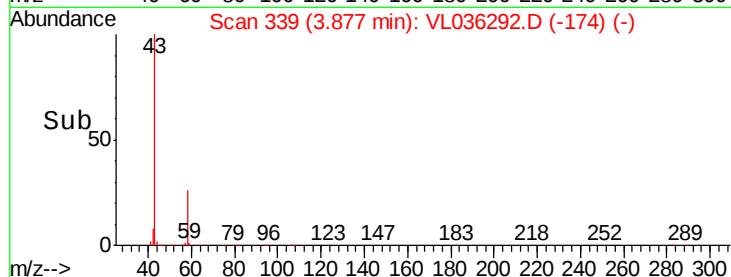
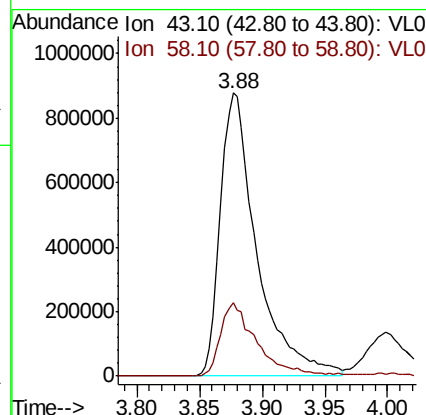
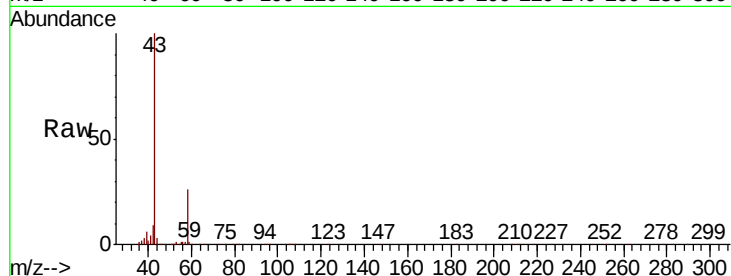




#15
Acetone
Concen: 9.140 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.03 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

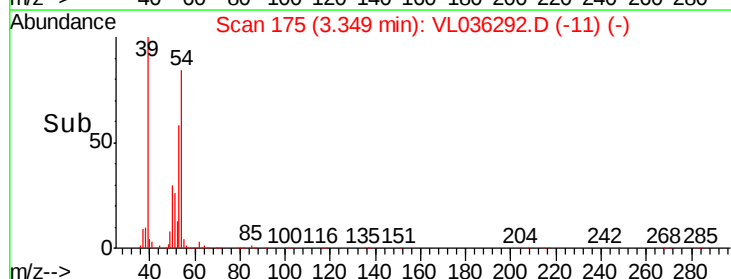
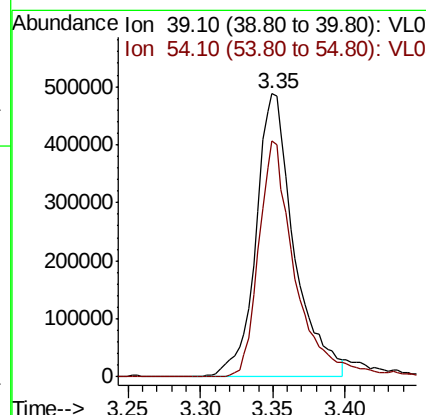
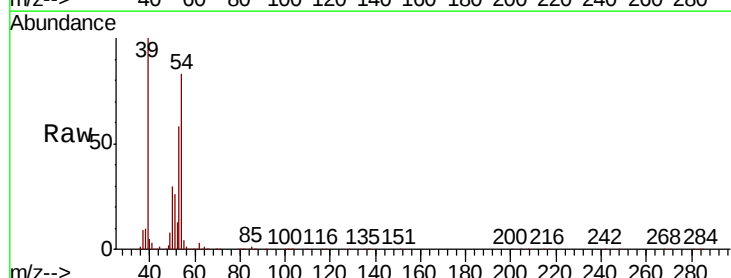
Instrument :
MSVOA_L
ClientSampleId :

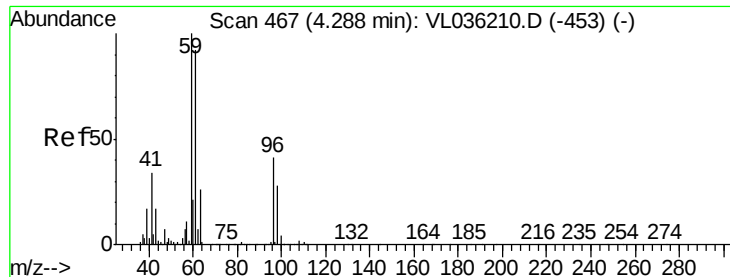
Tot Ion: 43 Resp: 1769395
Ion Ratio Lower Upper
43 100
58 26.0 20.9 31.3



#16
1,3-Butadiene
Concen: 9.435 ppbv
RT: 3.35 min Scan# 175
Delta R.T. 0.03 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 39 Resp: 889812
Ion Ratio Lower Upper
39 100
54 81.4 62.5 93.7





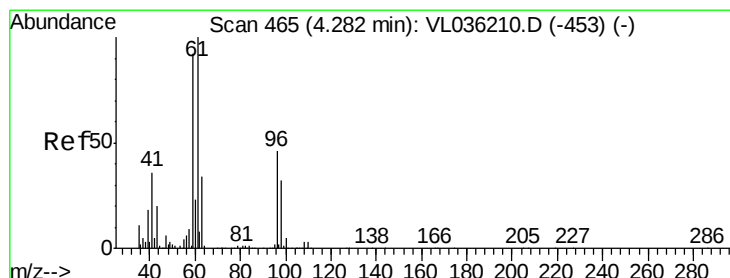
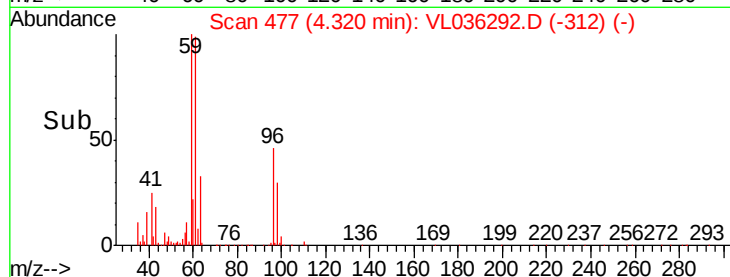
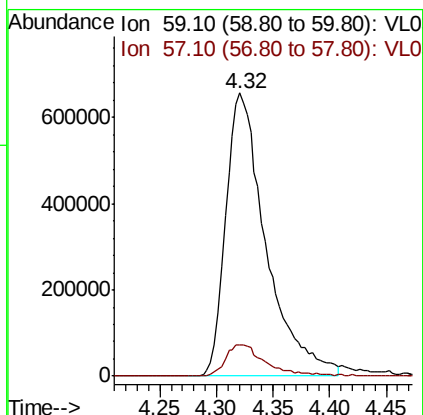
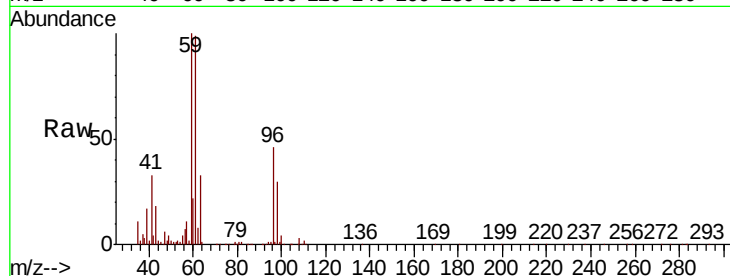
#17

tert-Butyl alcohol
Concen: 10.164 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 59 Resp: 1623671

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.2	13.8

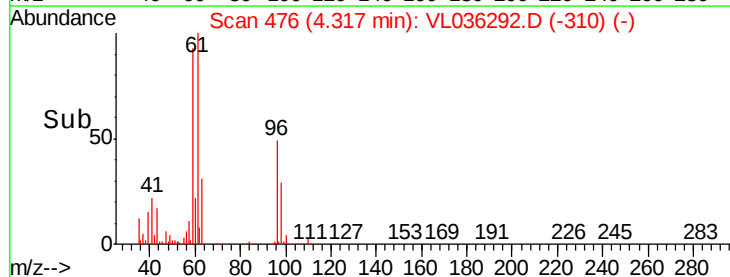
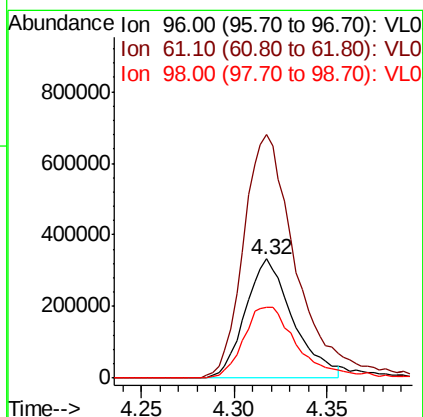
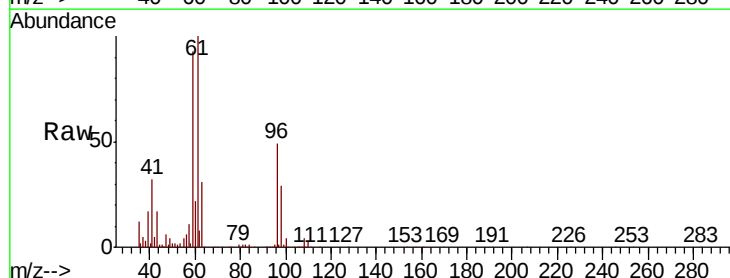


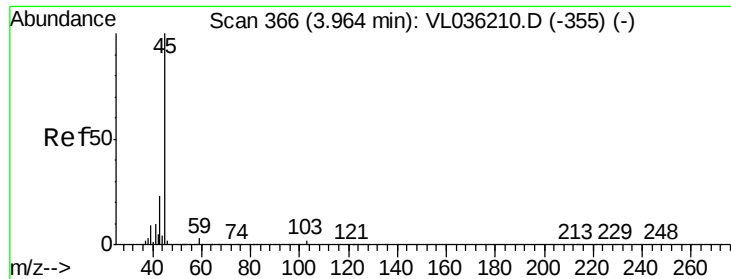
#18

1,1-Dichloroethene
Concen: 9.802 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 96 Resp: 593528

Ion	Ratio	Lower	Upper
96	100		
61	204.2	173.4	260.0
98	59.5	54.9	82.3





#19

Isopropyl Alcohol

Concen: 9.589 ppbv

RT: 4.00 min Scan# 376

Delta R.T. 0.03 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

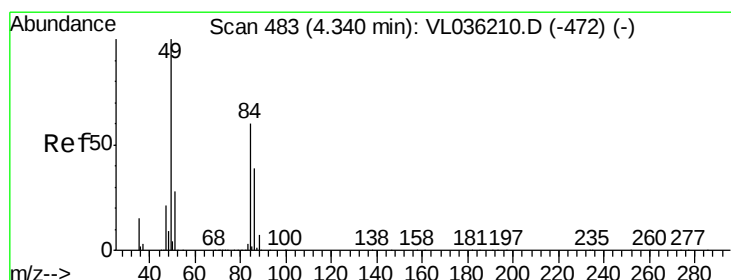
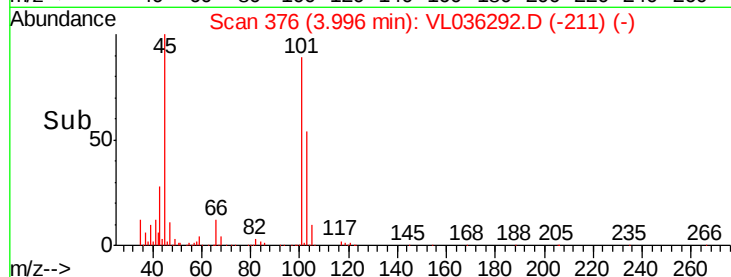
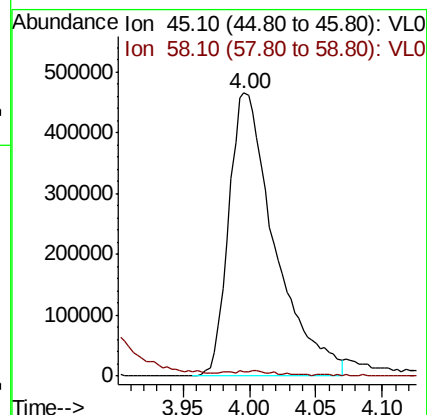
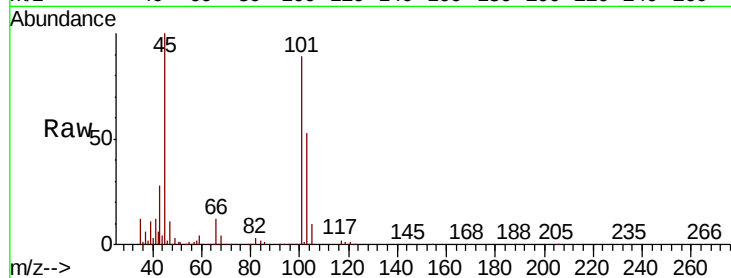
ClientSampleId :

Tot Ion: 45 Resp: 1119184

Ion Ratio Lower Upper

45 100

58 2.9 1.9 2.9#



#20

Methylene Chloride

Concen: 9.038 ppbv

RT: 4.37 min Scan# 493

Delta R.T. 0.03 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Tgt Ion: 84 Resp: 558463

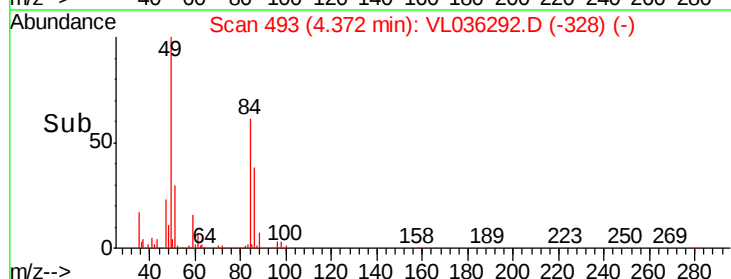
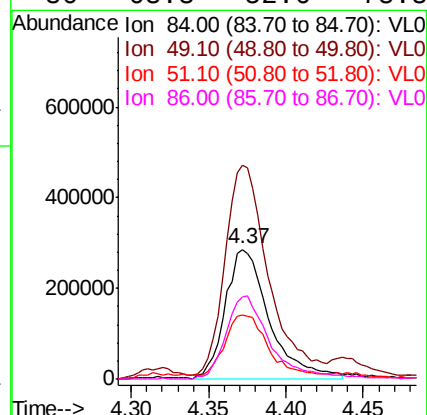
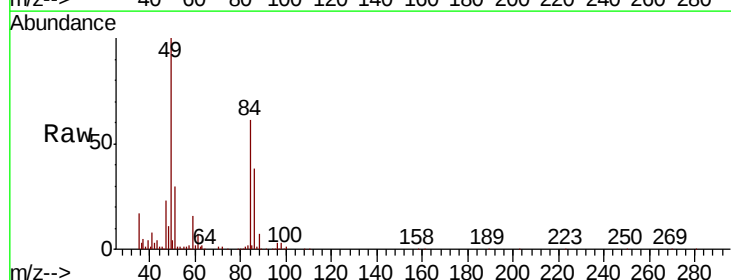
Ion Ratio Lower Upper

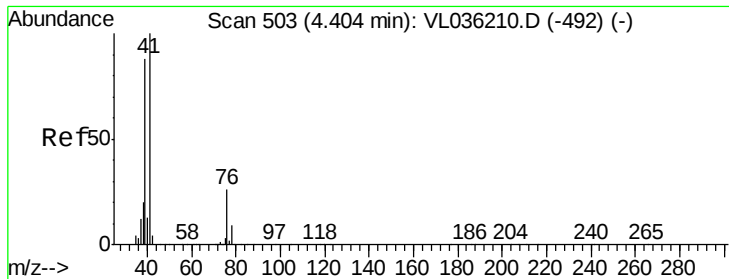
84 100

49 163.0 134.1 201.1

51 46.1 37.4 56.0

86 63.3 52.6 78.8

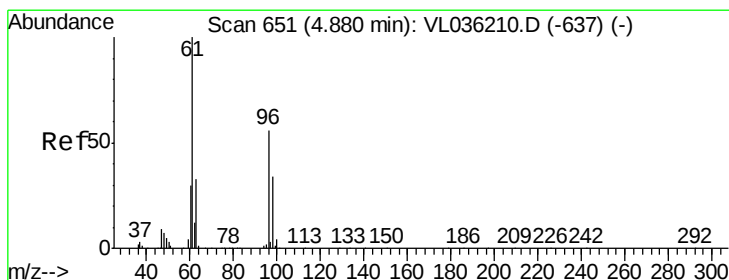
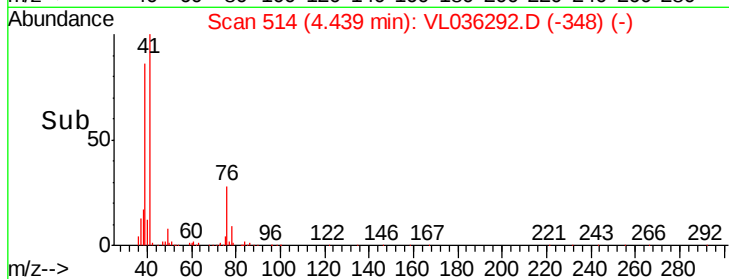
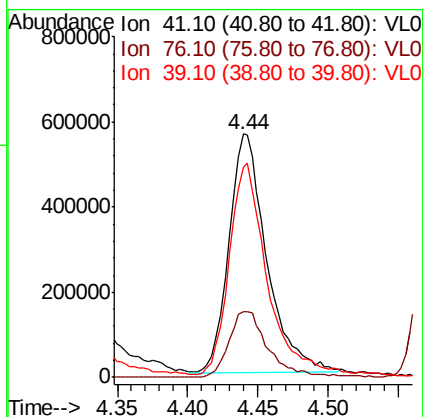
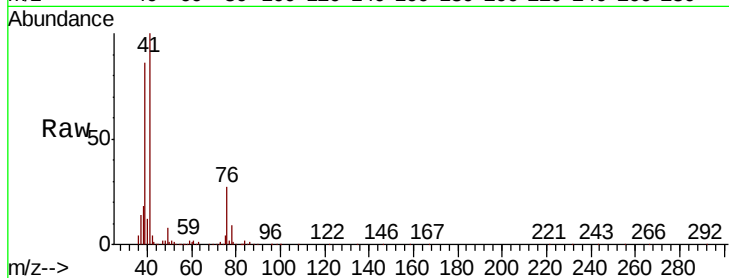




#21
Allvl Chloride
Concen: 10.007 ppbv
RT: 4.44 min Scan# 514
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

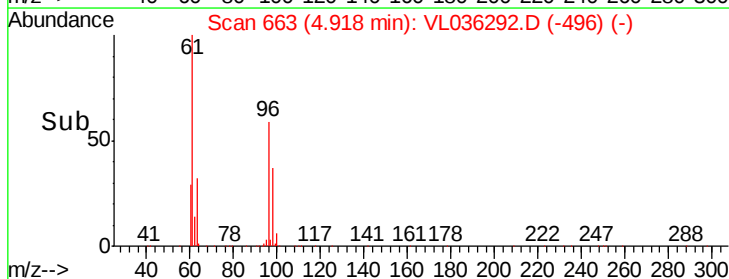
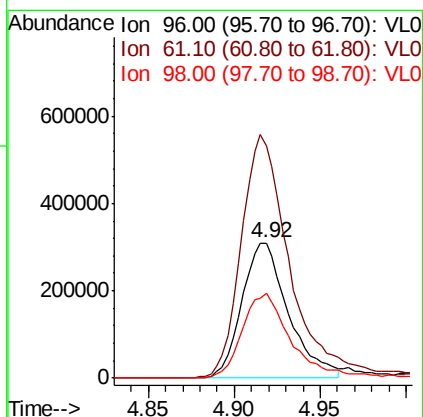
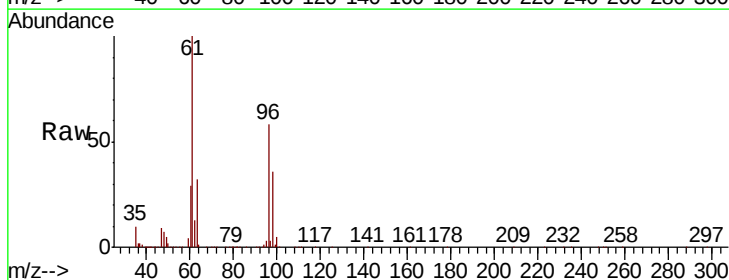
Instrument :
MSVOA_L
ClientSampleId :

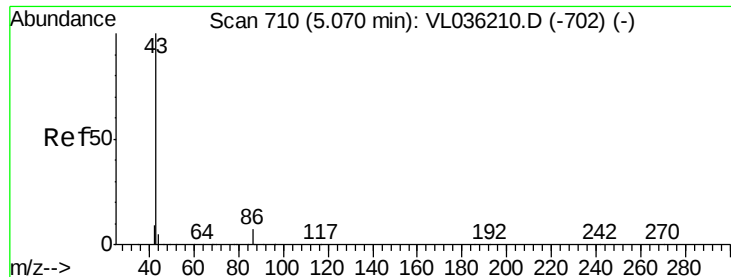
Tot Ion: 41 Resp: 1054538
Ion Ratio Lower Upper
41 100
76 28.9 20.5 30.7
39 90.3 67.8 101.8



#22
trans-1,2-Dichloroethene
Concen: 10.416 ppbv
RT: 4.92 min Scan# 663
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 96 Resp: 582663
Ion Ratio Lower Upper
96 100
61 171.8 142.7 214.1
98 62.6 48.7 73.1



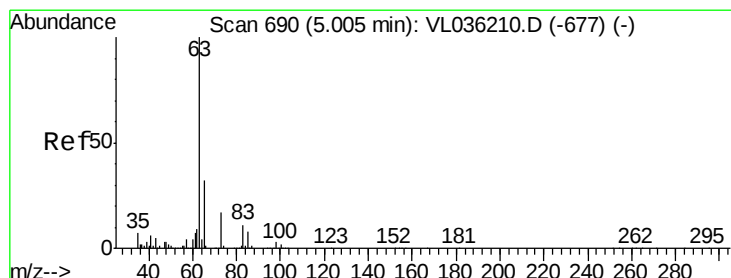
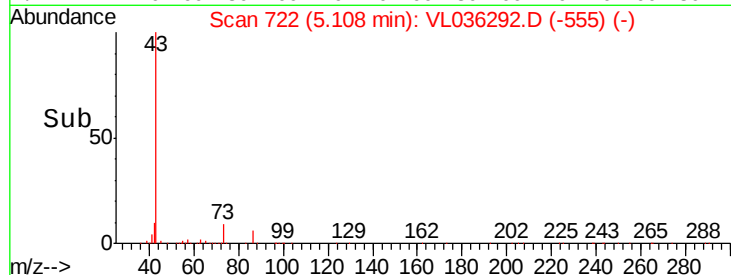
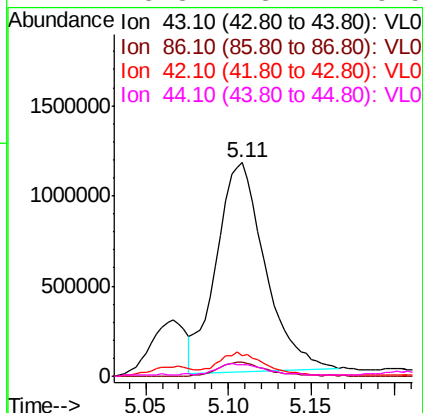
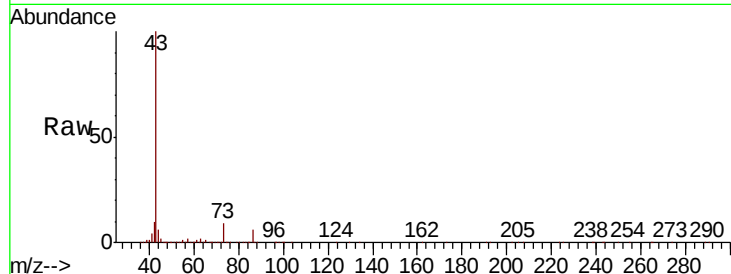


#23
 Vinyl Acetate
 Concen: 10.105 ppbv
 RT: 5.11 min Scan# 722
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2370454

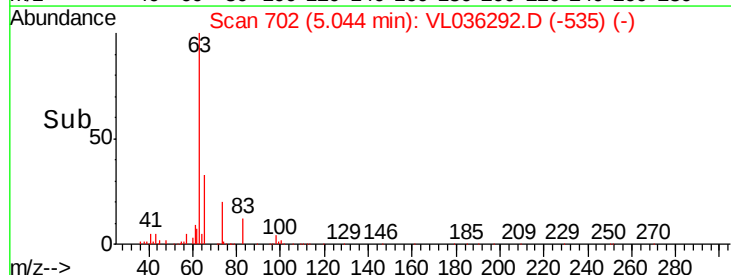
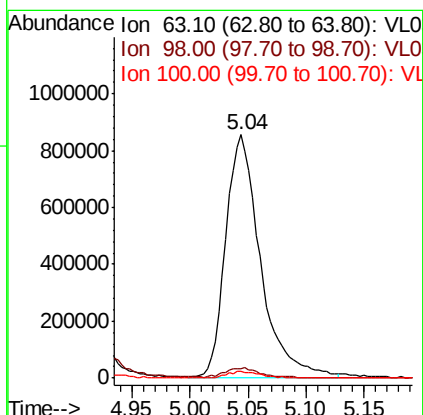
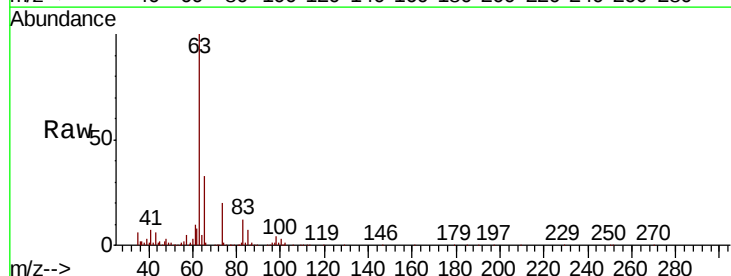
Ion	Ratio	Lower	Upper
43	100		
86	6.3	4.9	7.3
42	9.6	7.8	11.6
44	5.3	3.7	5.5

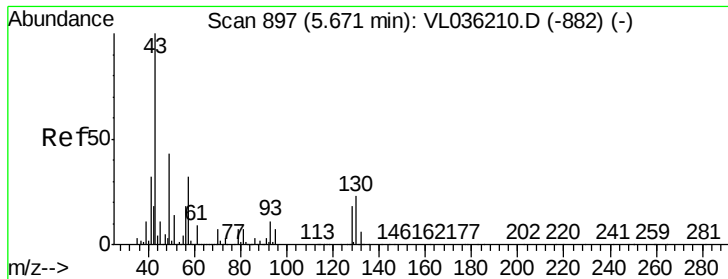


#24
 1,1-Dichloroethane
 Concen: 10.360 ppbv
 RT: 5.04 min Scan# 702
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion: 63 Resp: 1760375

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.7	5.1
100	2.6	1.1	3.1



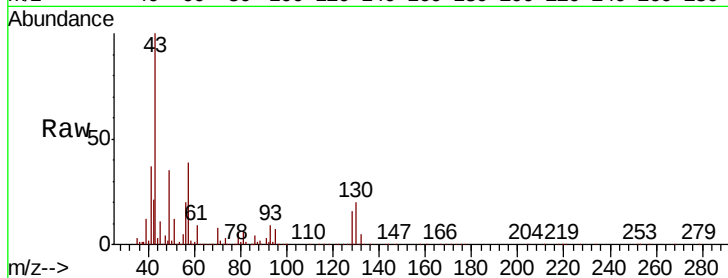


#25
Ethyl Acetate
Concen: 9.533 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

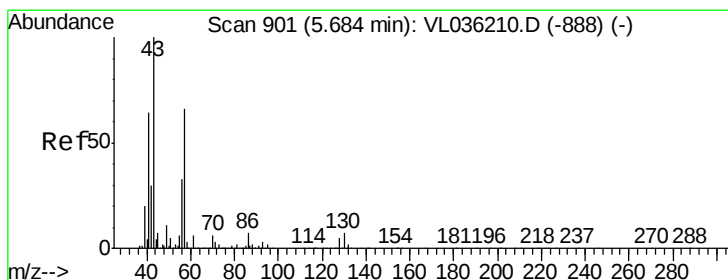
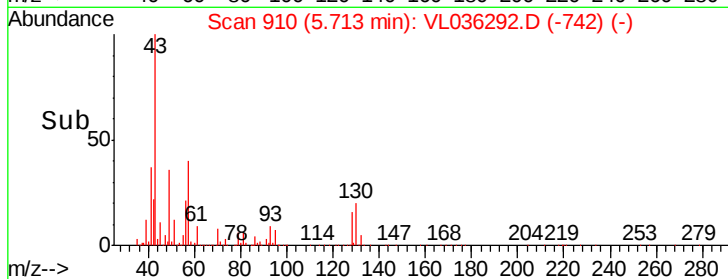
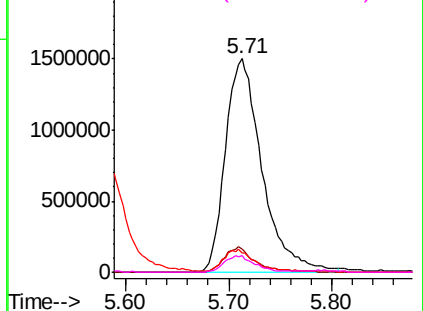
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3705336

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.6	7.4	11.2
70	6.7	5.5	8.3



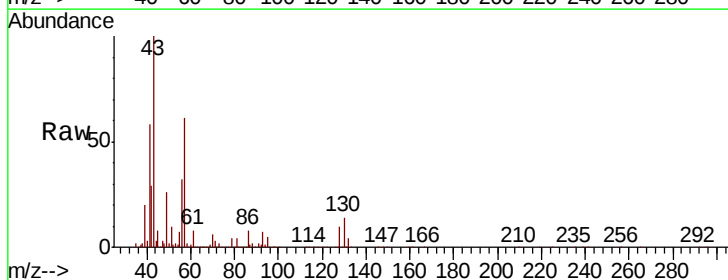
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



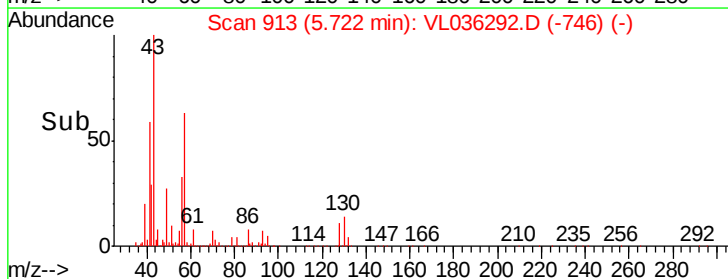
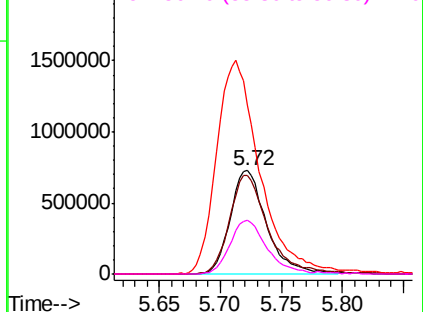
#26
Hexane
Concen: 9.356 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

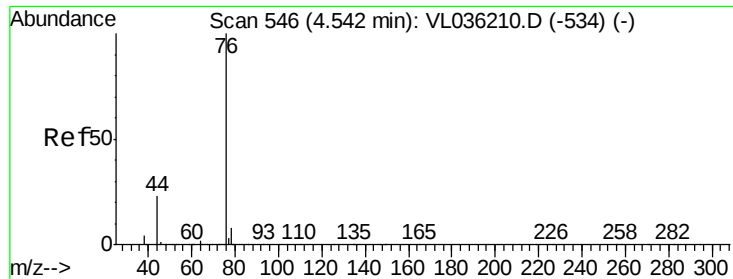
Tgt Ion: 57 Resp: 1514081

Ion	Ratio	Lower	Upper
57	100		
41	101.5	83.0	124.6
43	247.6	202.4	303.6
56	53.9	43.4	65.0



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





#27

Carbon Disulfide

Concen: 11.804 ppbv

RT: 4.58 min Scan# 557

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampleId :

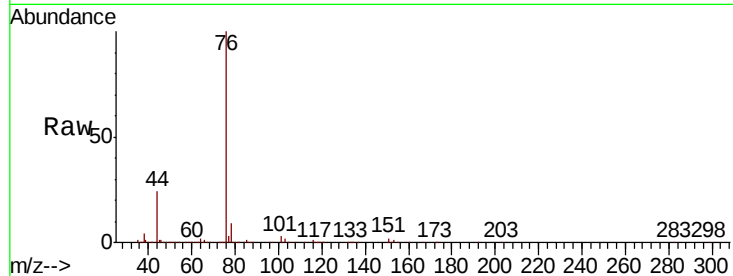
Tot Ion: 76 Resp: 1527429

Ion Ratio Lower Upper

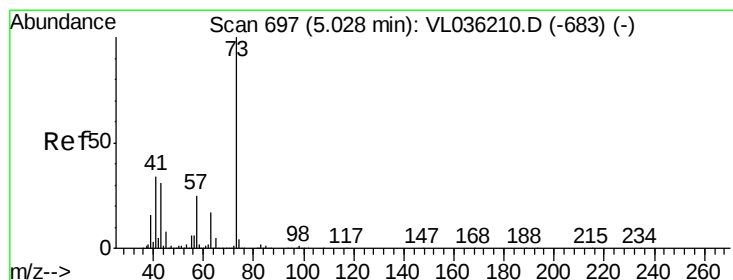
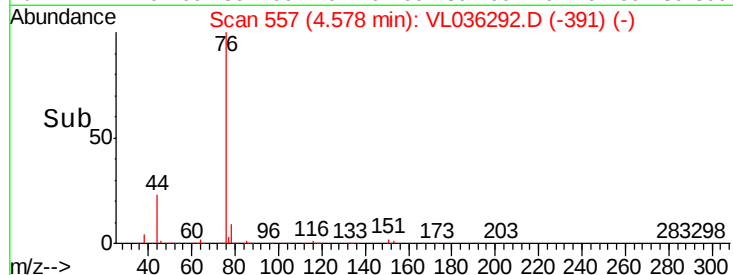
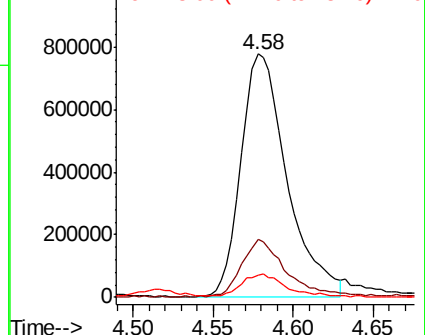
76 100

44 23.2 19.0 28.6

78 10.0 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.013 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.04 min

Lab File: VL036292.D

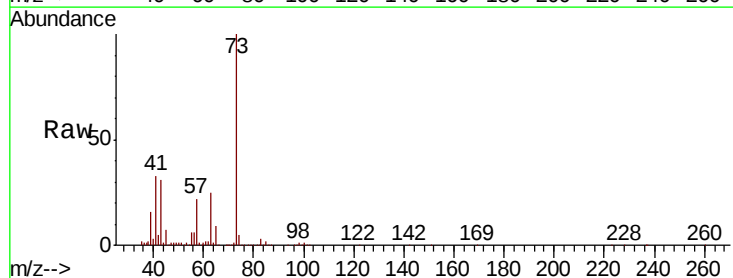
Acq: 3 Feb 2021 11:59

Tgt Ion: 73 Resp: 2191340

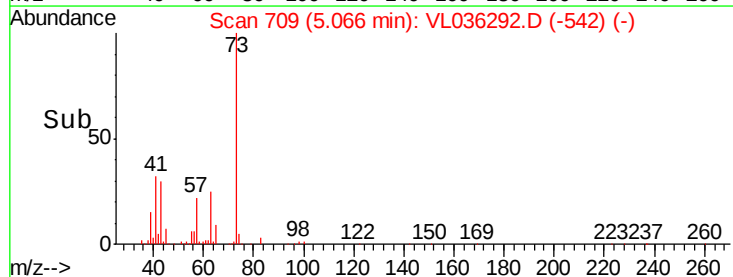
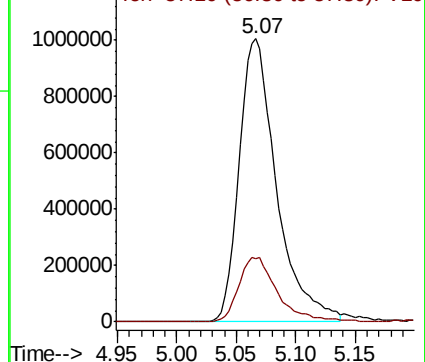
Ion Ratio Lower Upper

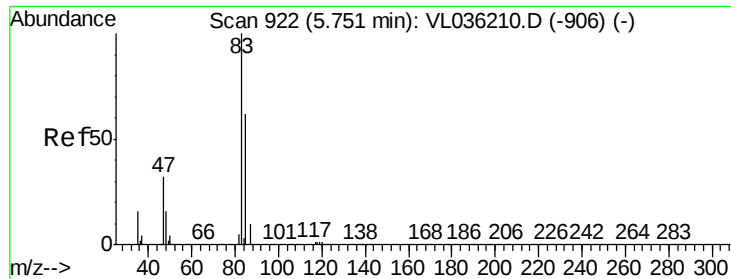
73 100

57 23.8 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

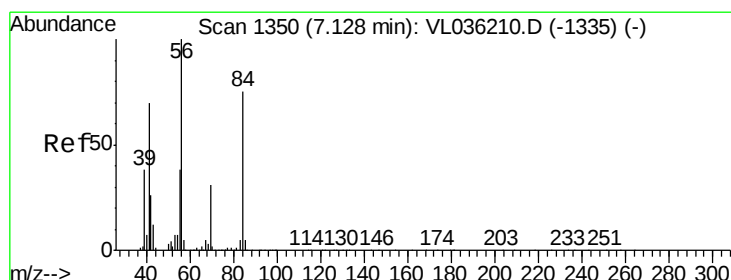
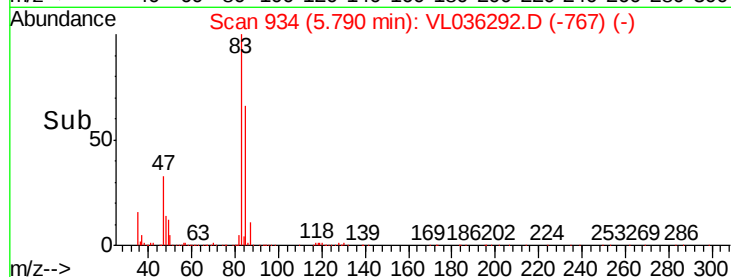
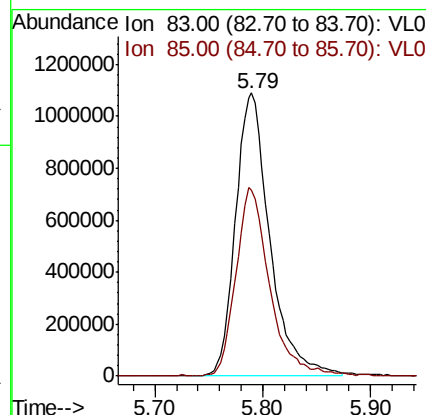
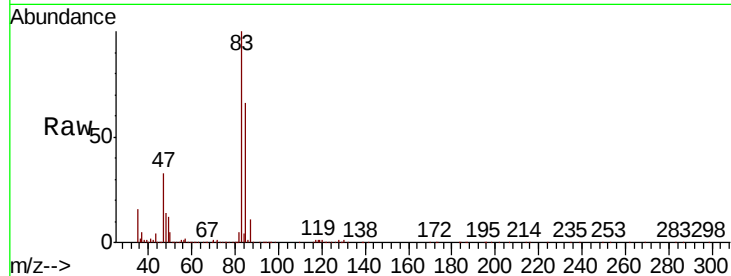




#29
Chloroform
Concen: 10.420 ppbv
RT: 5.79 min Scan# 934
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

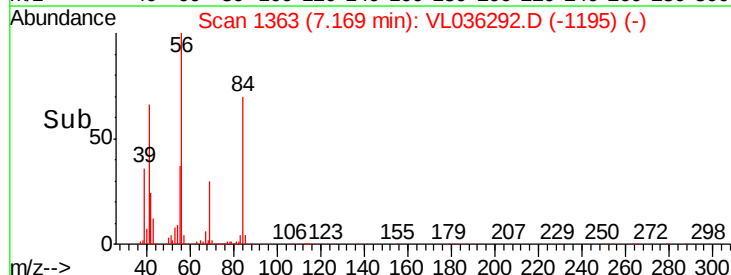
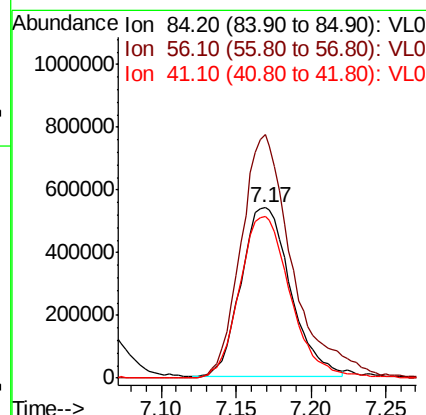
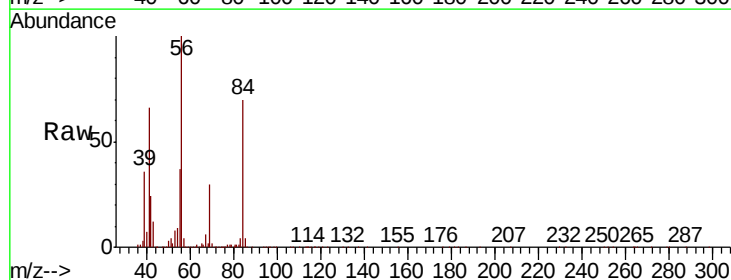
Instrument :
MSVOA_L
ClientSampleId :

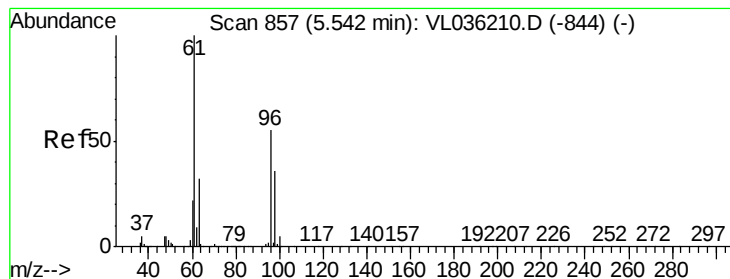
Tot Ion: 83 Resp: 2414192
Ion Ratio Lower Upper
83 100
85 65.4 49.3 73.9



#30
Cyclohexane
Concen: 10.041 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 84 Resp: 1241728
Ion Ratio Lower Upper
84 100
56 151.2 119.4 179.0
41 98.1 79.4 119.0



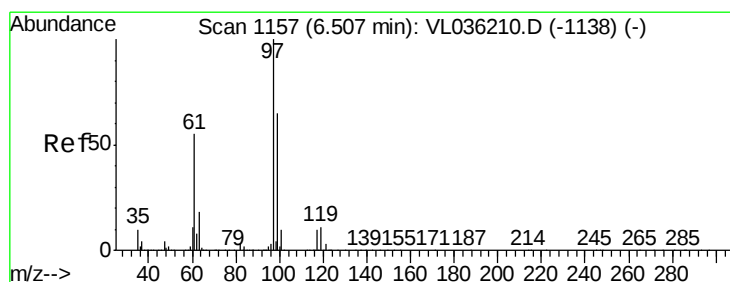
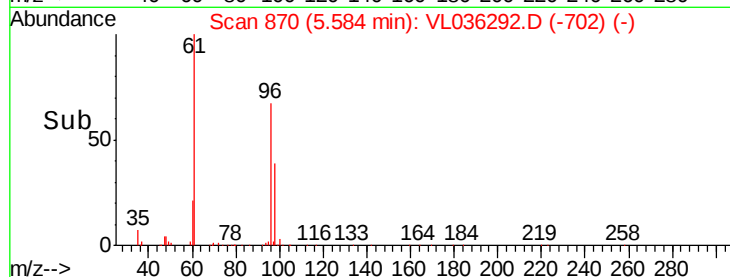
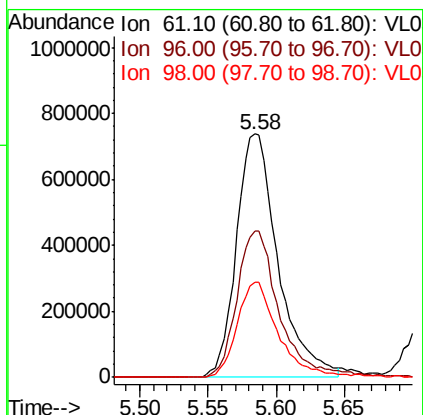
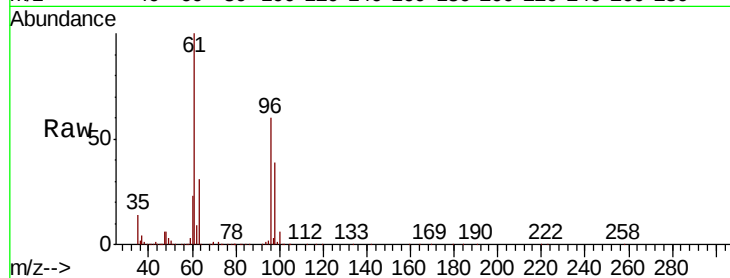


#31

cis-1,2-Dichloroethene
 Concen: 10.078 ppbv
 RT: 5.58 min Scan# 870
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Instrument :
 MSVOA_L
 ClientSampleId :

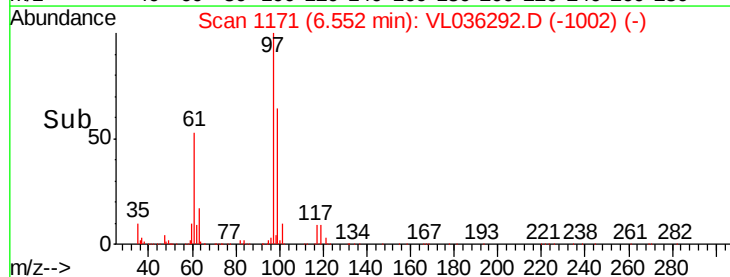
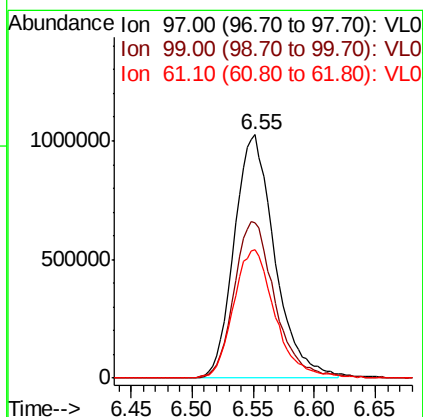
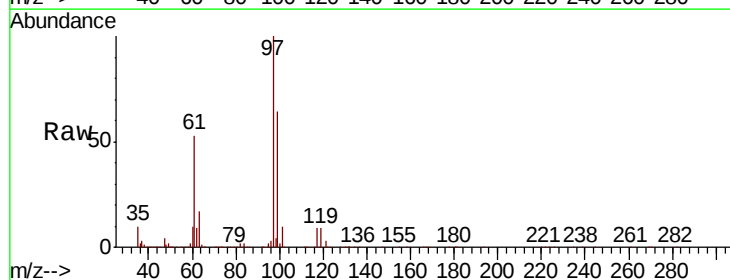
Tot Ion: 61 Resp: 1558680
 Ion Ratio Lower Upper
 61 100
 96 60.0 44.1 66.1
 98 38.9 28.6 42.8

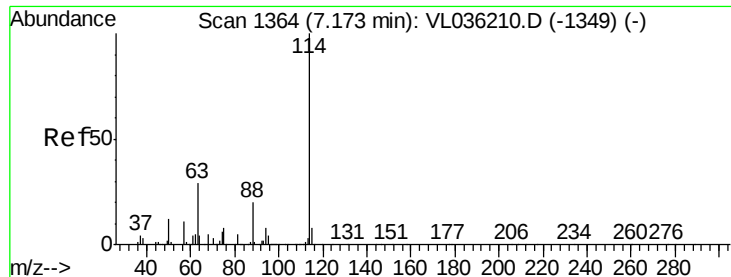


#32

1,1,1-Trichloroethane
 Concen: 10.547 ppbv
 RT: 6.55 min Scan# 1171
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion: 97 Resp: 2363546
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.0 78.0
 61 54.3 43.6 65.4

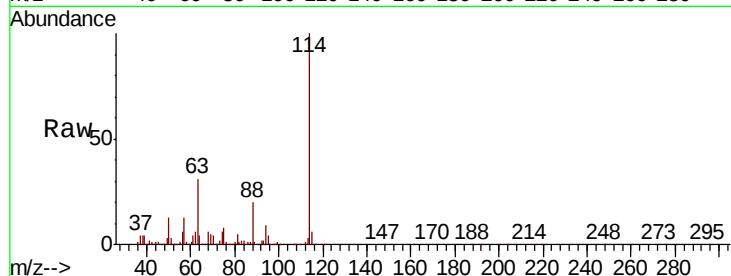




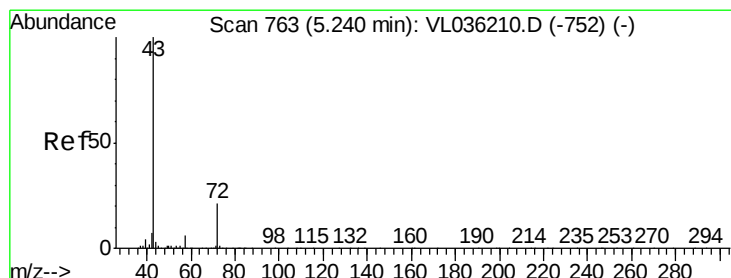
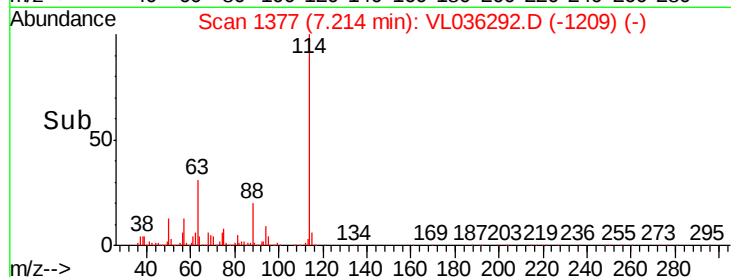
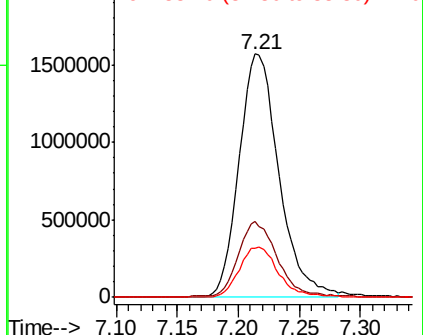
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3546288
 Ion Ratio Lower Upper
 114 100
 63 31.1 24.7 37.1
 88 20.4 16.6 24.8

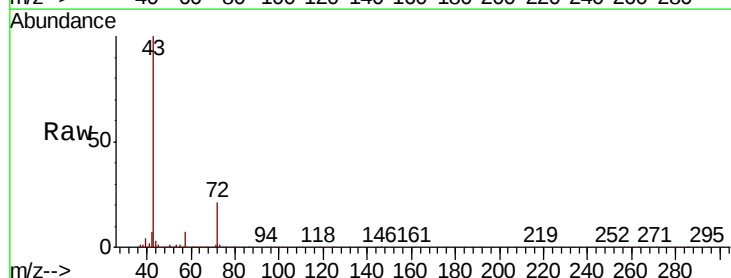


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

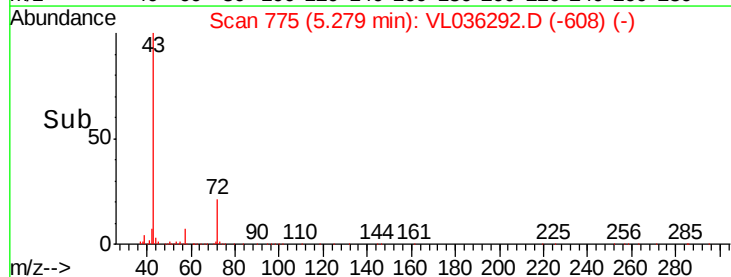
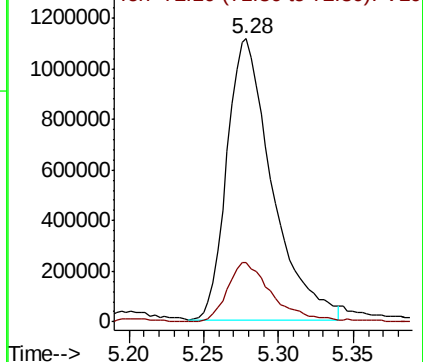


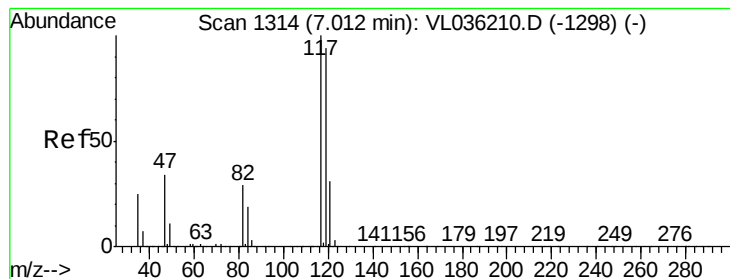
#34
 2-Butanone
 Concen: 8.953 ppbv
 RT: 5.28 min Scan# 775
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion: 43 Resp: 2338166
 Ion Ratio Lower Upper
 43 100
 72 21.7 16.1 24.1



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





#35

Carbon Tetrachloride

Concen: 10.635 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampleId :

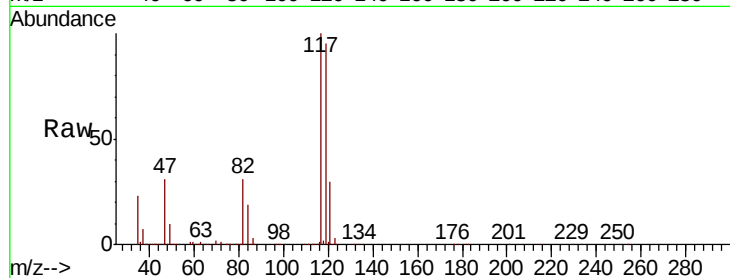
Tot Ion:117 Resp: 2383006

Ion Ratio Lower Upper

117 100

119 95.2 74.9 112.3

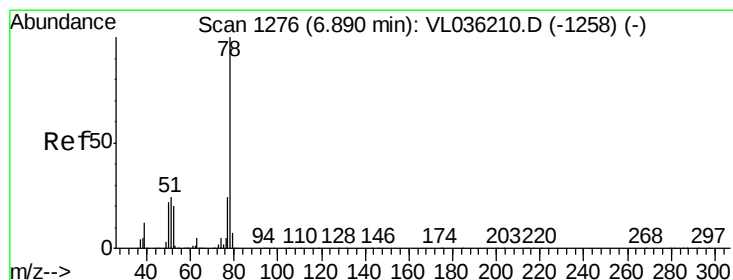
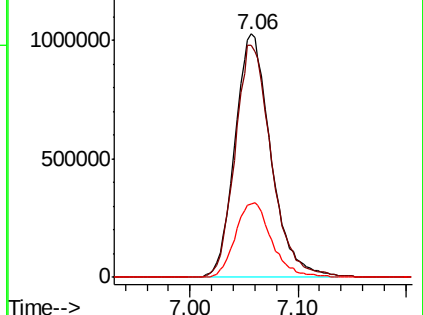
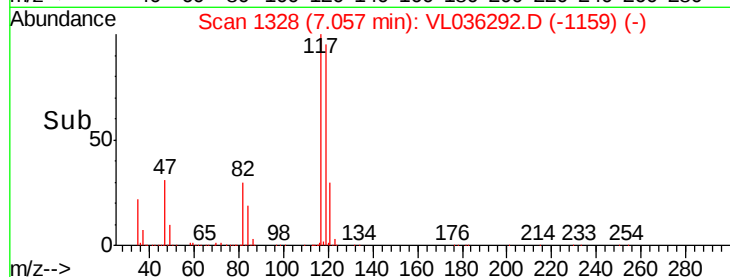
121 30.3 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.596 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

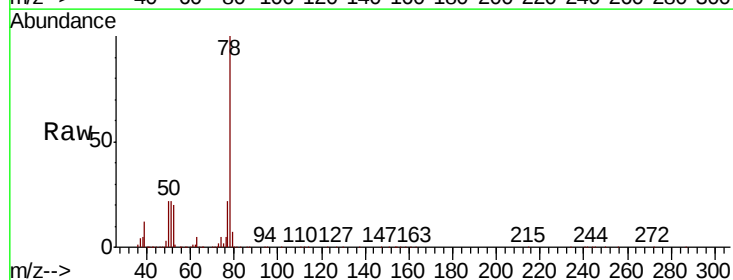
Tgt Ion: 78 Resp: 3118157

Ion Ratio Lower Upper

78 100

77 22.1 19.4 29.0

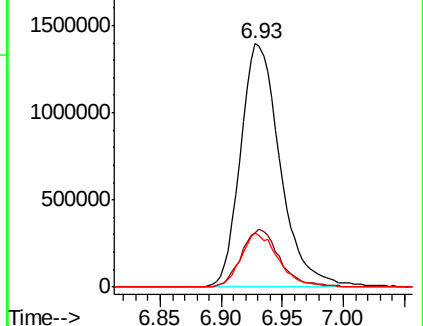
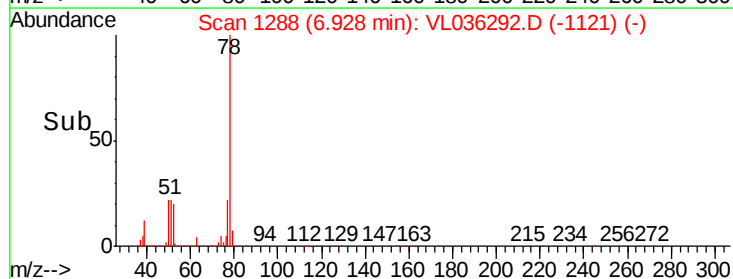
50 22.2 17.4 26.2

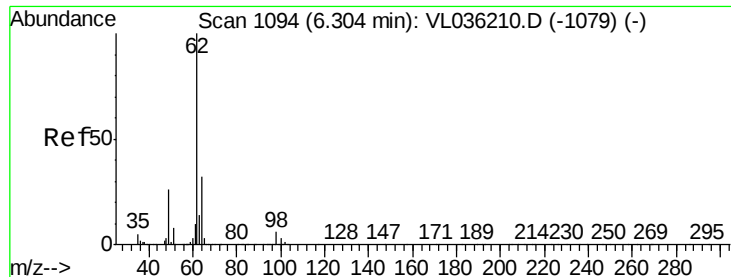


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

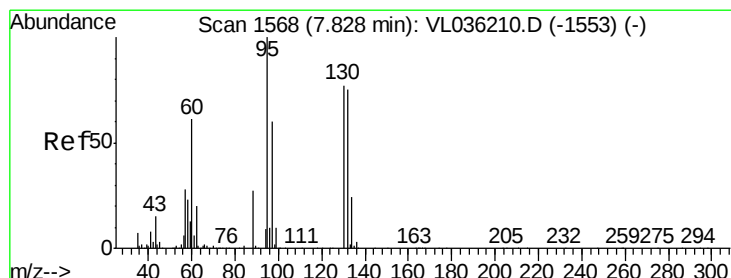
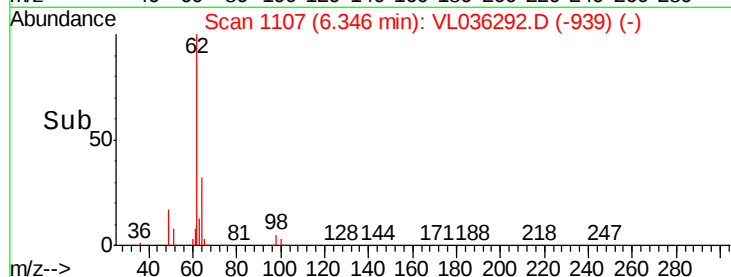
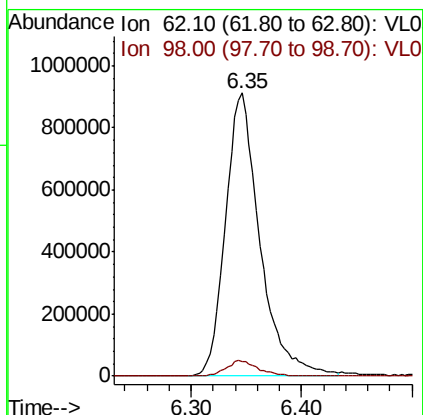
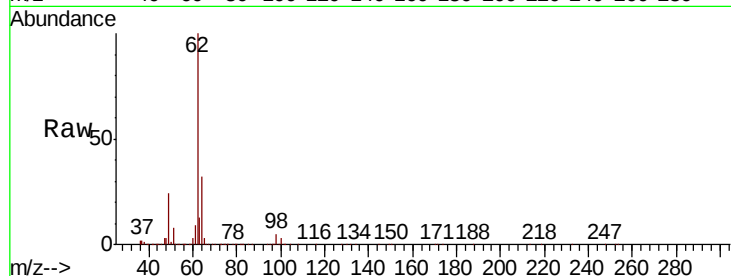




#37
1,2-Dichloroethane
Concen: 10.089 ppbv
RT: 6.35 min Scan# 1107
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

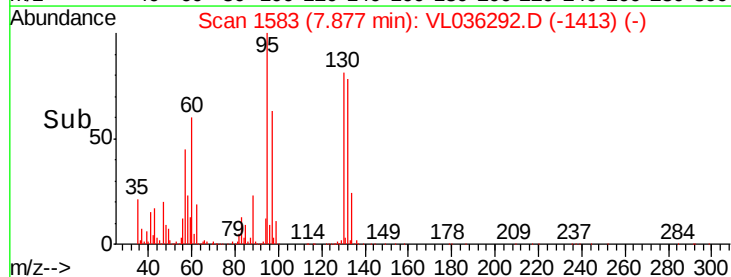
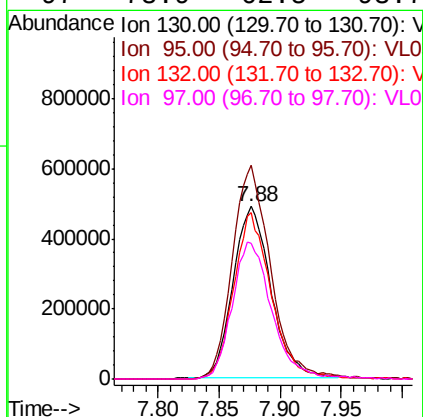
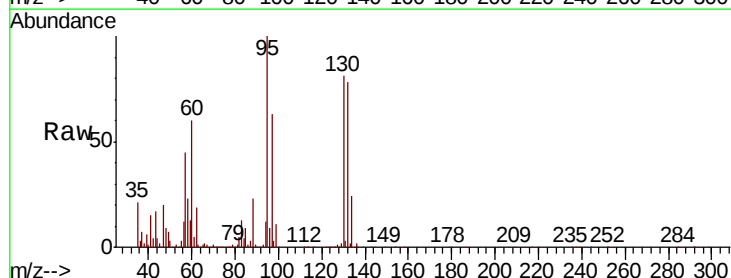
Instrument :
MSVOA_L
ClientSampled :

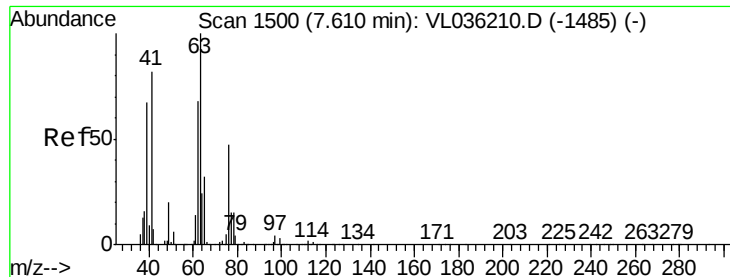
Tot Ion: 62 Resp: 1972803
Ion Ratio Lower Upper
62 100
98 5.3 4.4 6.6



#38
Trichloroethene
Concen: 8.773 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.05 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion:130 Resp: 1055790
Ion Ratio Lower Upper
130 100
95 124.2 103.9 155.9
132 96.5 77.4 116.2
97 78.9 62.5 93.7





#39

1,2-Dichloropropane

Concen: 9.627 ppbv

RT: 7.65 min Scan# 1513

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampleId :

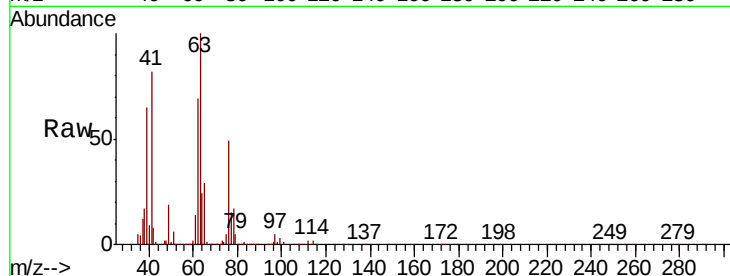
Tot Ion: 63 Resp: 1270115

Ion Ratio Lower Upper

63 100

41 81.4 66.1 99.1

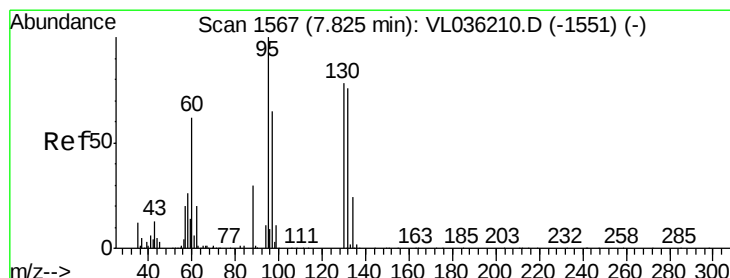
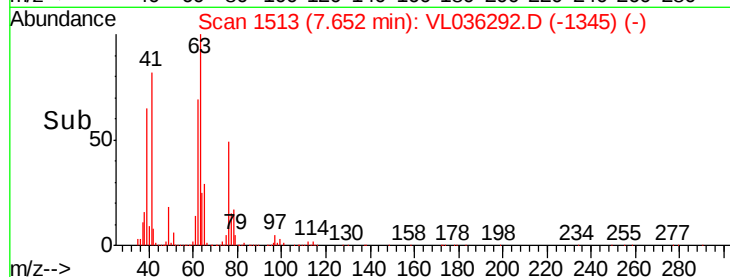
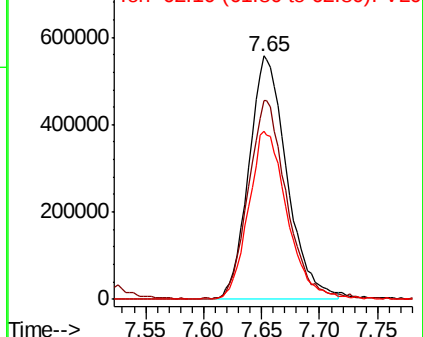
62 68.6 54.8 82.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.871 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Tgt Ion: 88 Resp: 423364

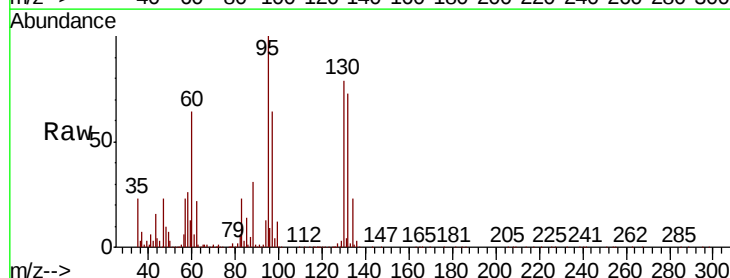
Ion Ratio Lower Upper

88 100

58 148.2 123.0 184.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0

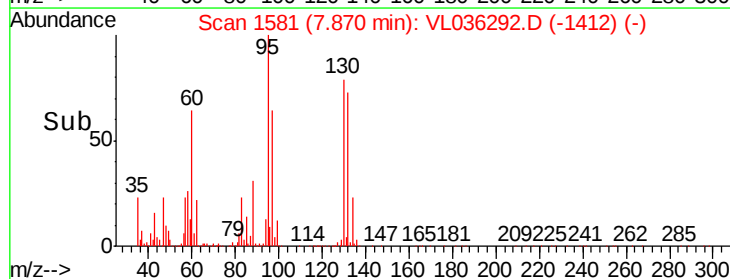
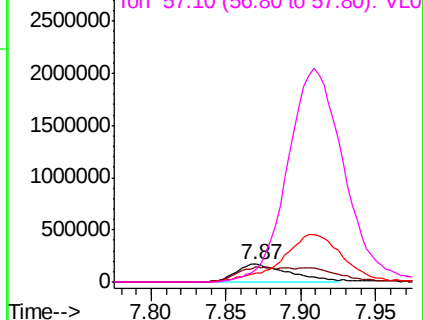


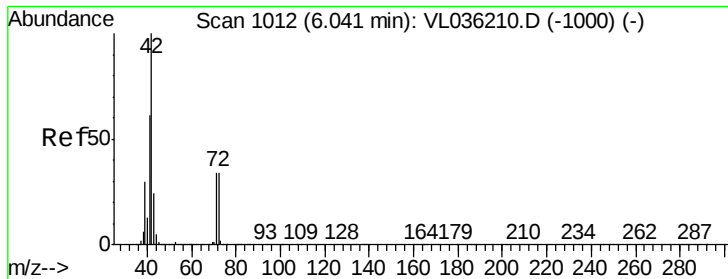
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

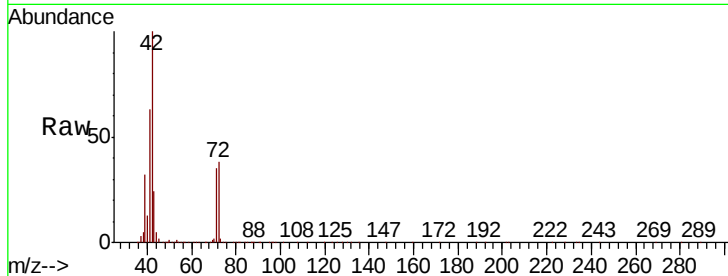




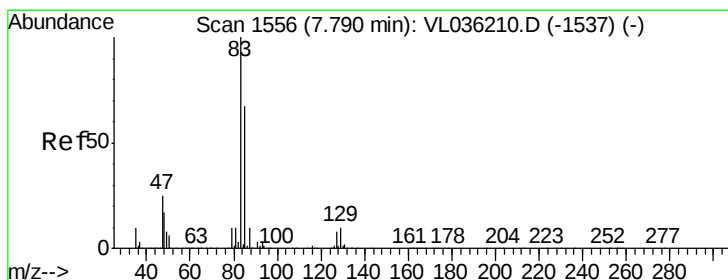
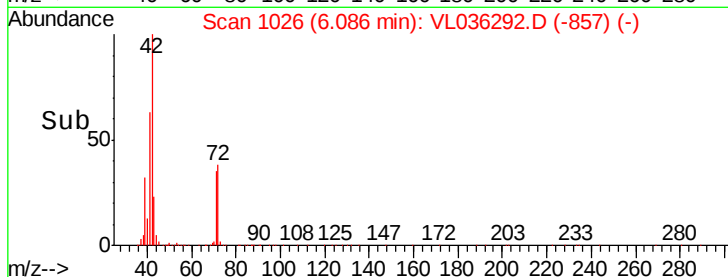
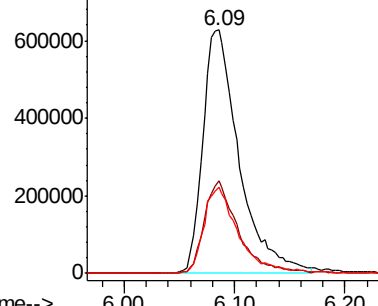
#41
Tetrahydrofuran
Concen: 9.477 ppbv
RT: 6.09 min Scan# 1026
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 1430279
Ion Ratio Lower Upper
42 100
72 36.0 29.5 44.3
71 33.9 29.1 43.7

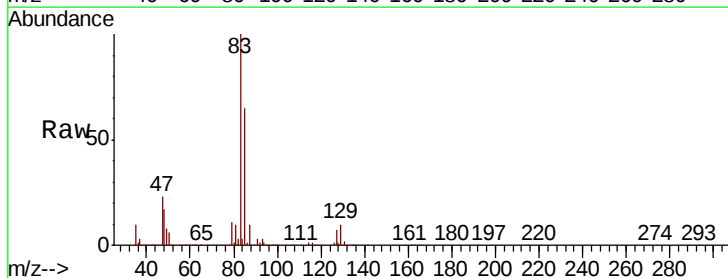


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

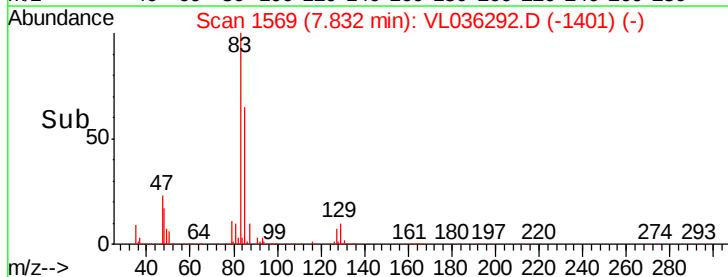
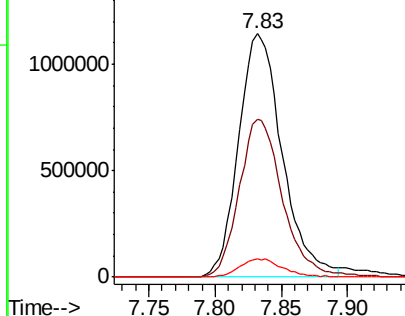


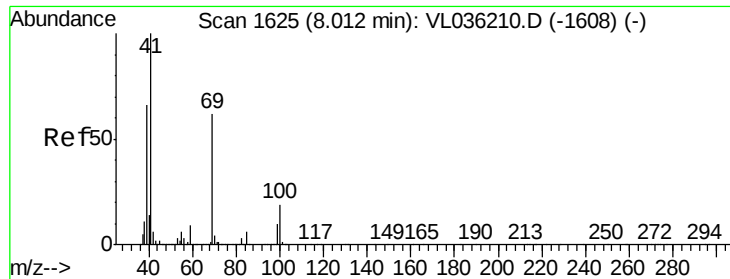
#42
Bromodichloromethane
Concen: 10.658 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 83 Resp: 2619388
Ion Ratio Lower Upper
83 100
85 64.9 53.4 80.2
127 7.4 6.2 9.2



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

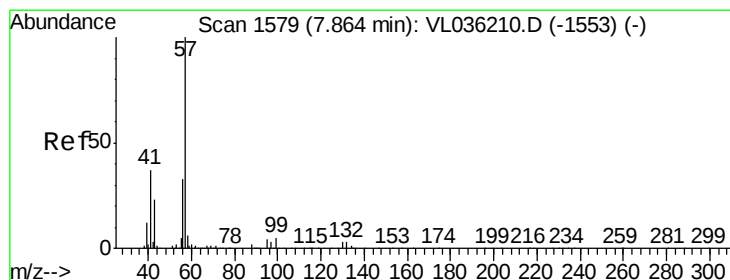
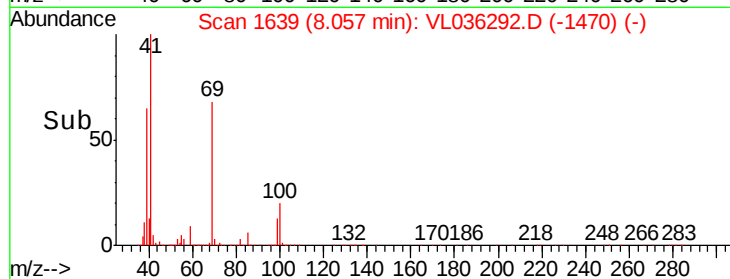
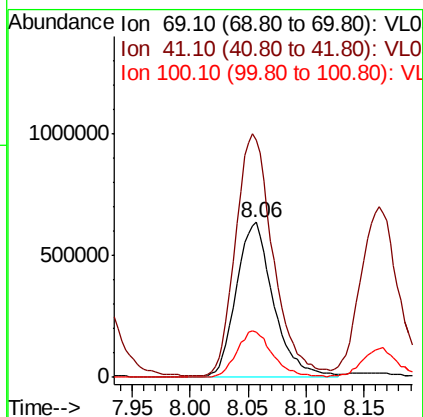
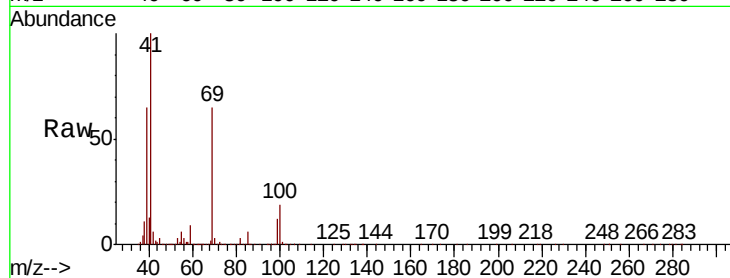




#43
Methvl Methacrilate
Concen: 10.286 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

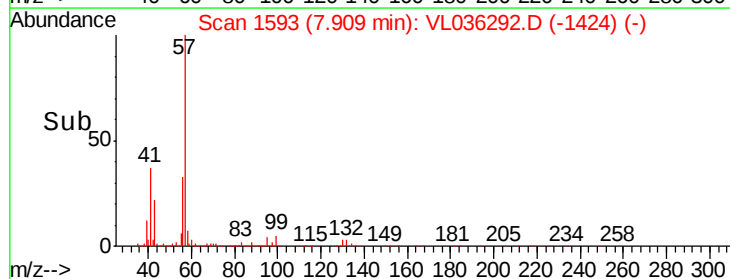
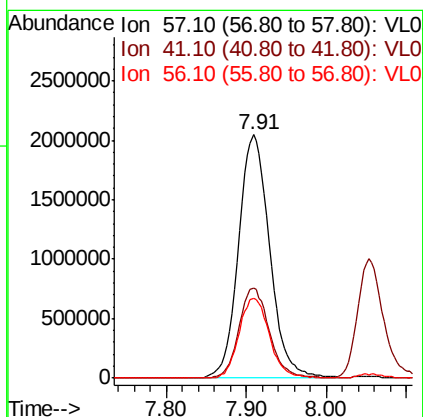
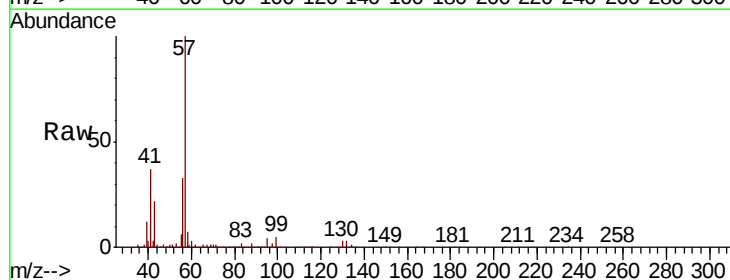
Instrument :
MSVOA_L
ClientSampleId :

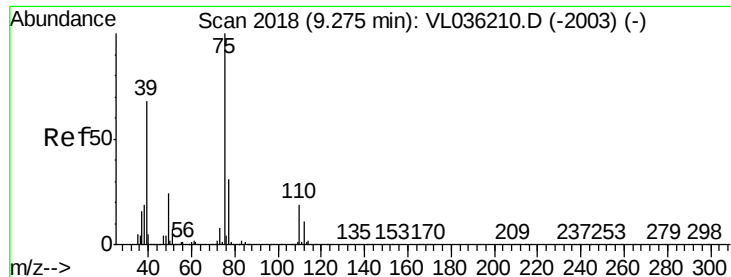
Tot Ion: 69 Resp: 1420345
Ion Ratio Lower Upper
69 100
41 158.6 133.4 200.2
100 28.9 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.024 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 57 Resp: 5385837
Ion Ratio Lower Upper
57 100
41 35.8 28.5 42.7
56 32.1 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.892 ppbv

RT: 9.32 min Scan# 2032

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

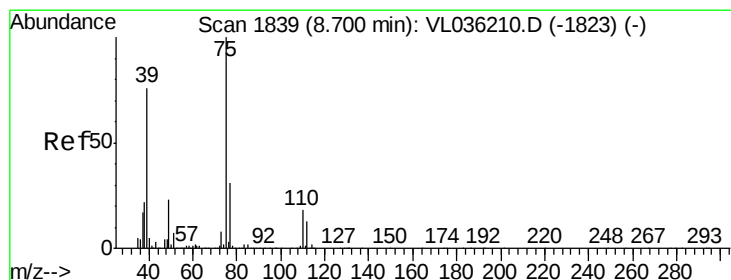
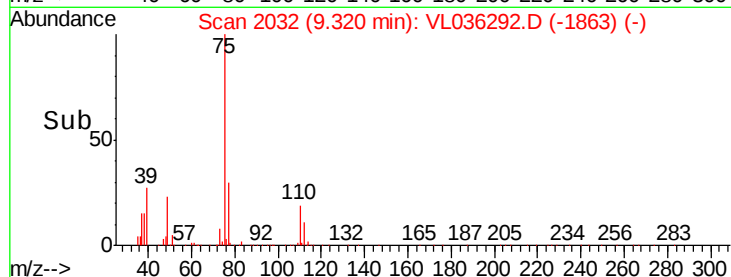
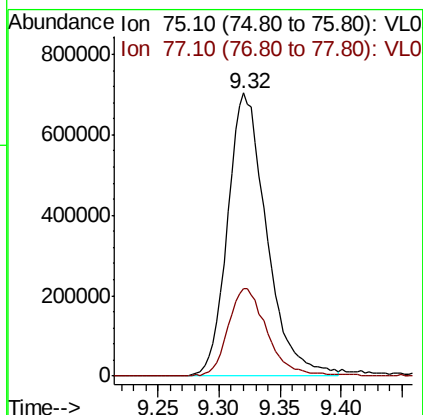
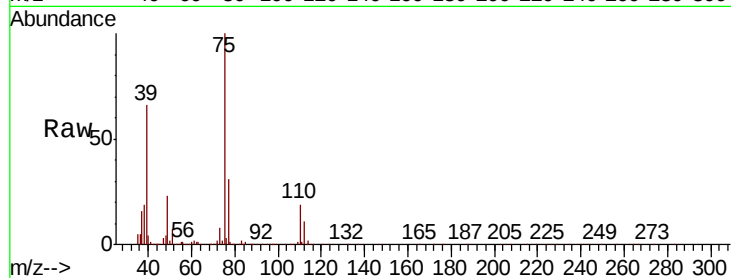
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1559711

Ion Ratio Lower Upper

75 100

77 30.8 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.913 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

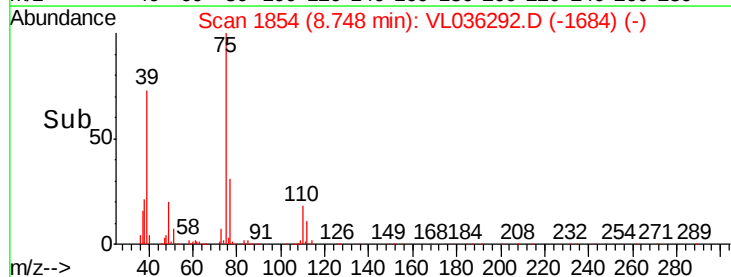
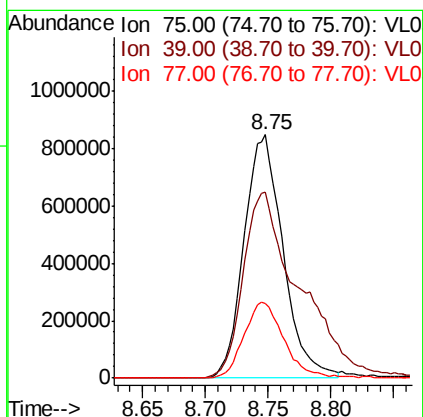
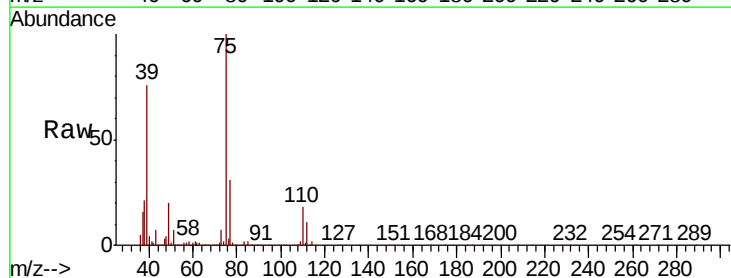
Tgt Ion: 75 Resp: 1839410

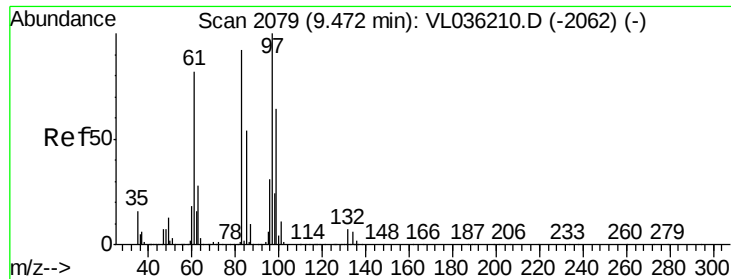
Ion Ratio Lower Upper

75 100

39 75.9 61.2 91.8

77 30.6 24.6 37.0

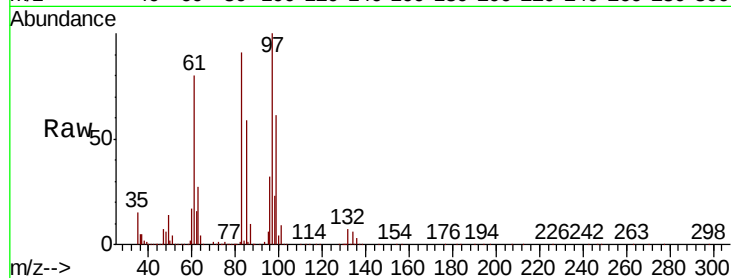




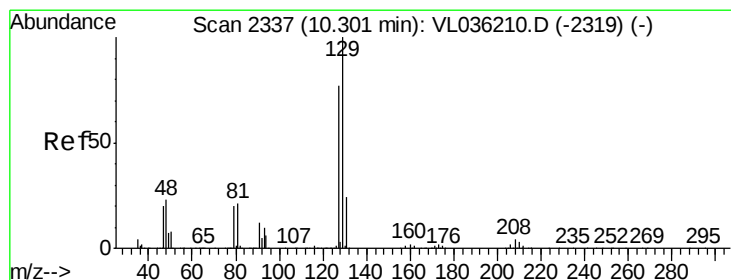
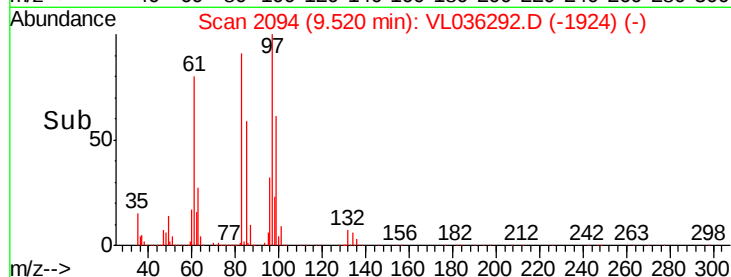
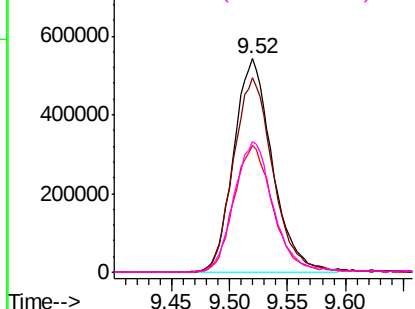
#47
 1,1,2-Trichloroethane
 Concen: 9.924 ppbv
 RT: 9.52 min Scan# 2094
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1252579
 Ion Ratio Lower Upper
 97 100
 83 91.0 73.3 109.9
 85 59.4 43.2 64.8
 99 60.7 51.5 77.3

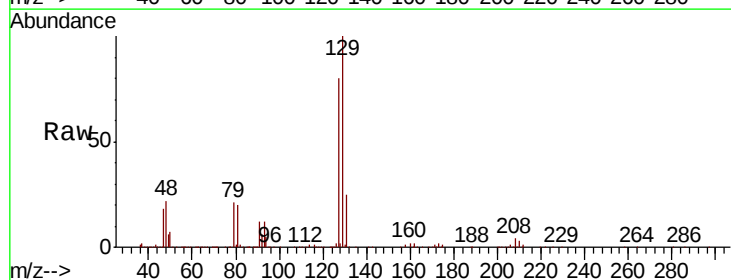


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

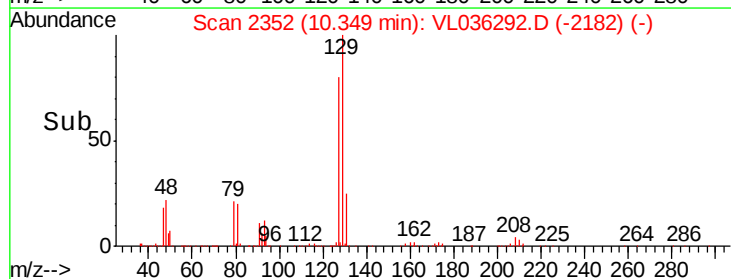
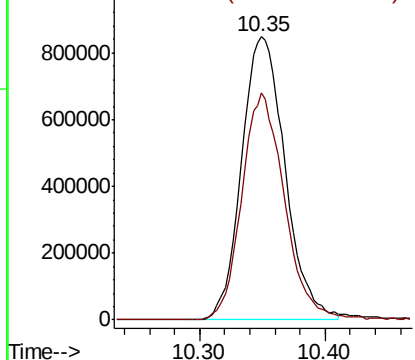


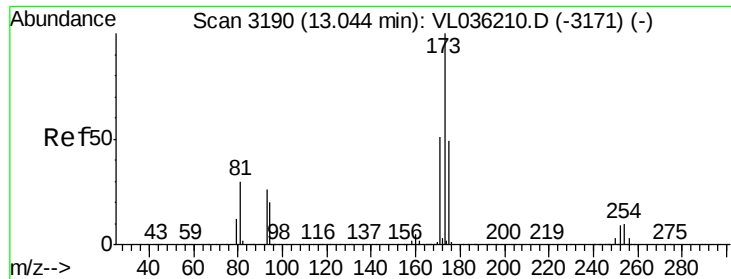
#48
 Dibromochloromethane
 Concen: 11.018 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion: 129 Resp: 2034560
 Ion Ratio Lower Upper
 129 100
 127 79.4 39.6 118.8



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





#49

Bromoform

Concen: 10.942 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampleId :

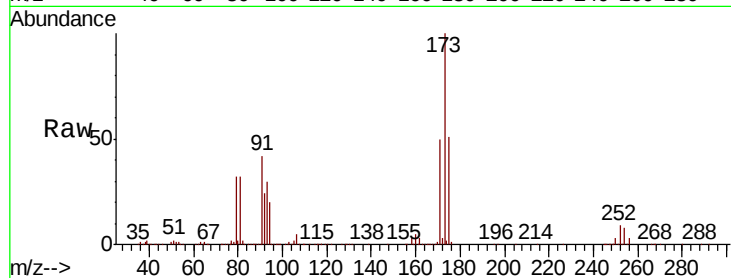
Tot Ion:173 Resp: 1686581

Ion Ratio Lower Upper

173 100

175 51.3 40.7 61.1

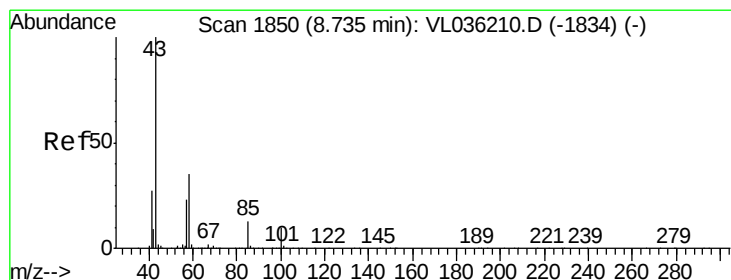
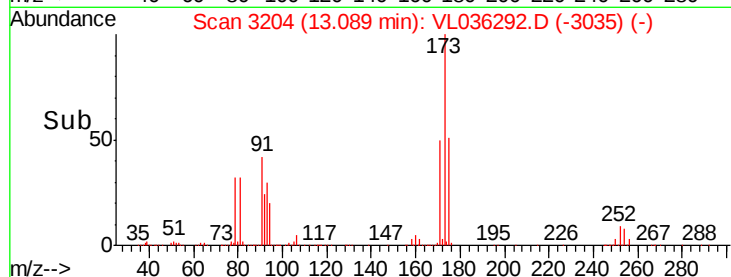
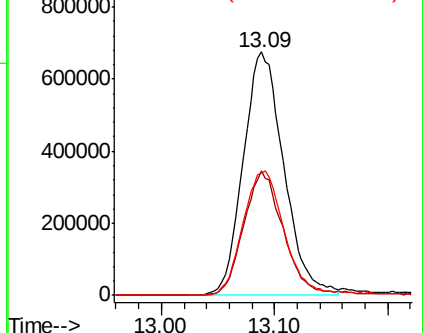
171 53.7 43.0 64.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.473 ppbv

RT: 8.78 min Scan# 1865

Delta R.T. 0.05 min

Lab File: VL036292.D

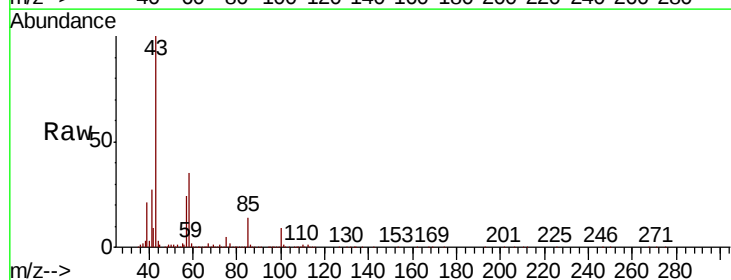
Acq: 3 Feb 2021 11:59

Tgt Ion: 43 Resp: 3688729

Ion Ratio Lower Upper

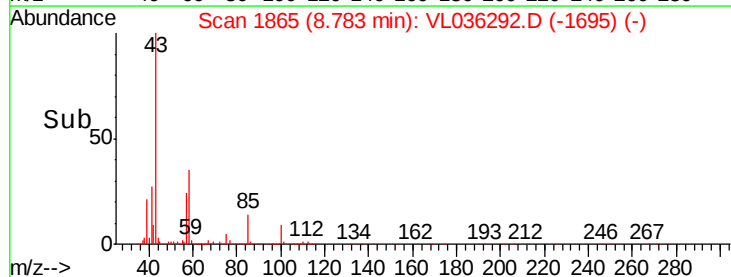
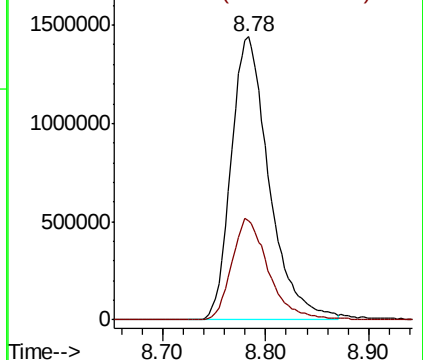
43 100

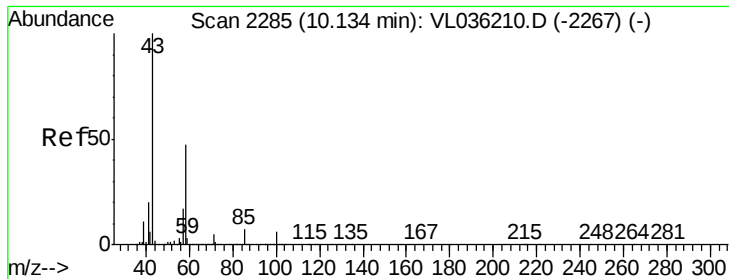
58 35.0 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

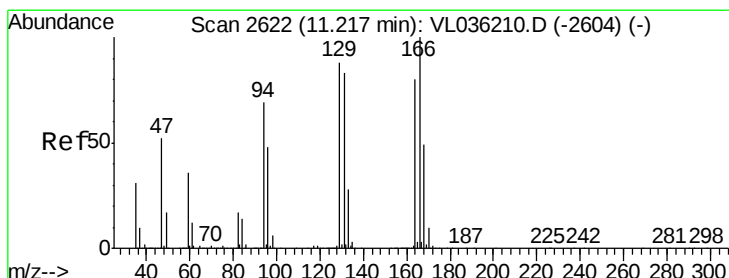
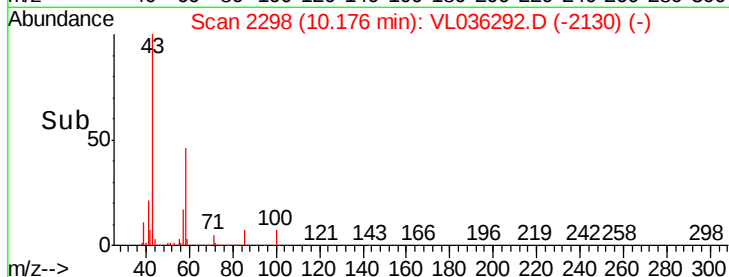
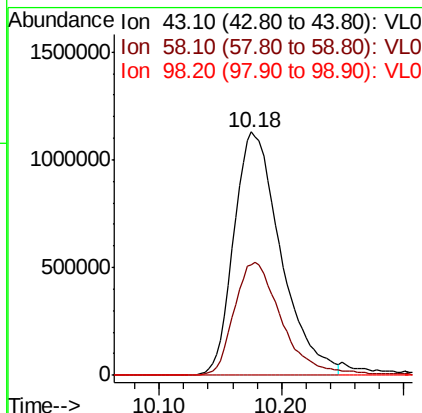
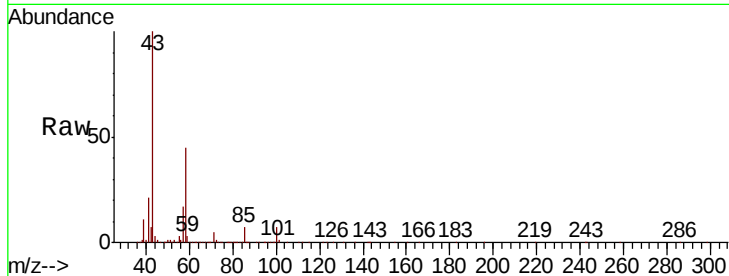




#51
2-Hexanone
Concen: 9.807 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

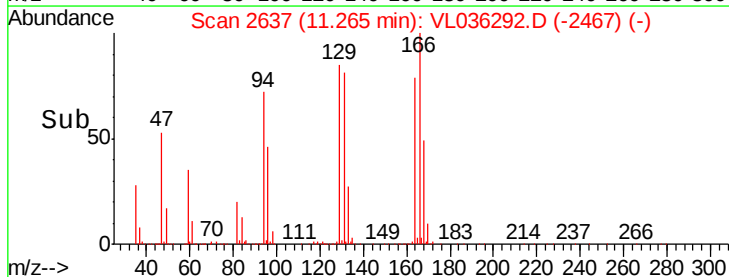
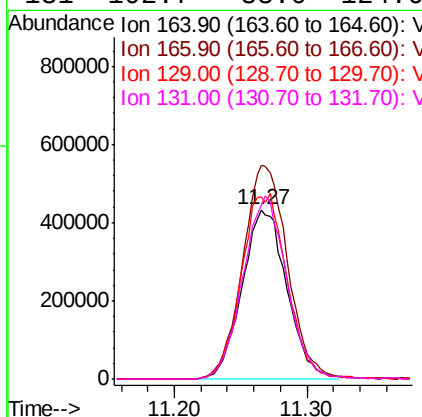
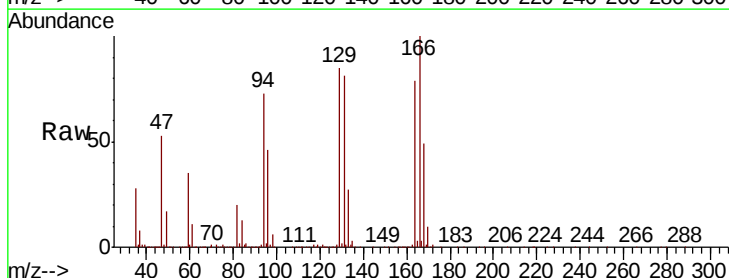
Instrument :
MSVOA_L
ClientSampleId :

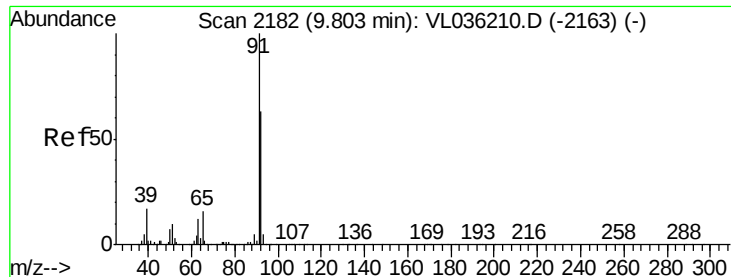
Tot Ion: 43 Resp: 3012759
Ion Ratio Lower Upper
43 100
58 47.4 37.4 56.0
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.435 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.05 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 164 Resp: 1010012
Ion Ratio Lower Upper
164 100
166 126.0 99.9 149.9
129 107.1 88.2 132.4
131 102.7 83.0 124.6





#53

Toluene

Concen: 9.584 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

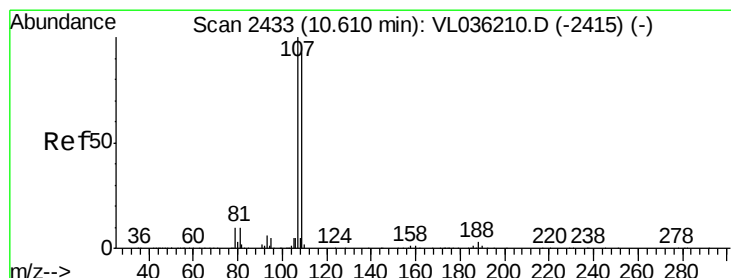
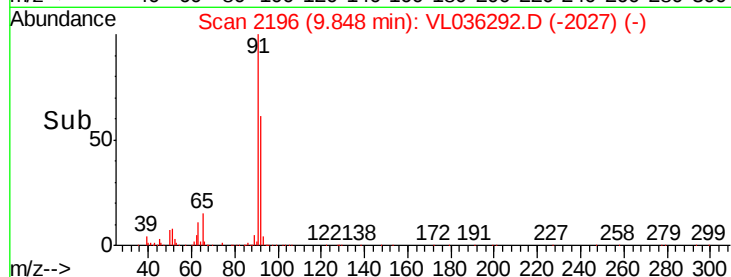
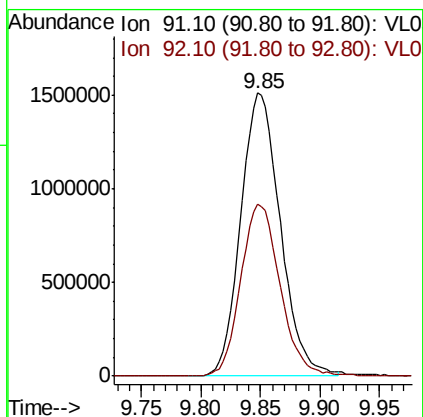
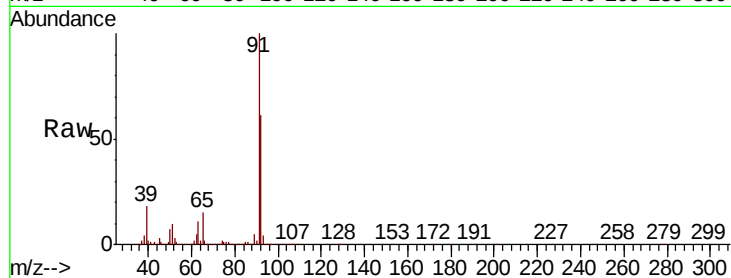
ClientSampleId :

Tot Ion: 91 Resp: 3483746

Ion Ratio Lower Upper

91 100

92 60.7 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.930 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. 0.04 min

Lab File: VL036292.D

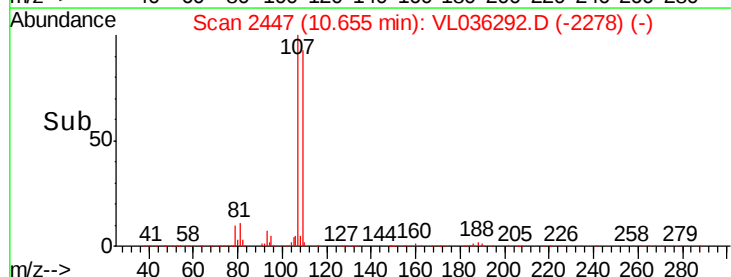
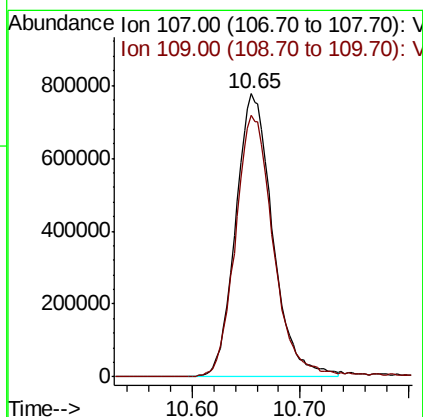
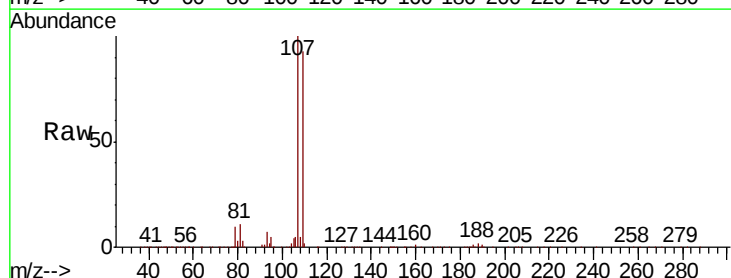
Acq: 3 Feb 2021 11:59

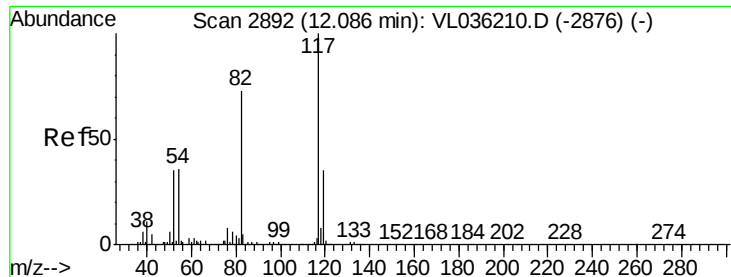
Tgt Ion: 107 Resp: 1857772

Ion Ratio Lower Upper

107 100

109 92.6 74.5 111.7

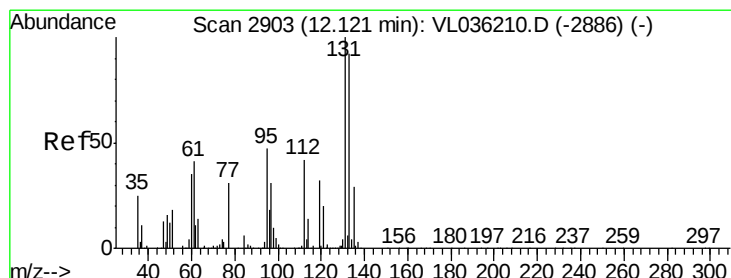
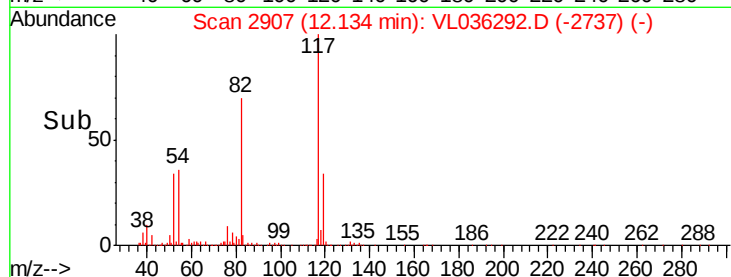
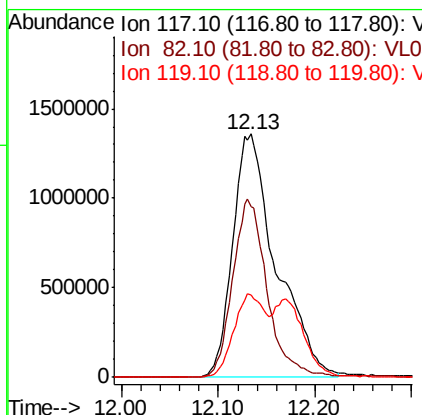
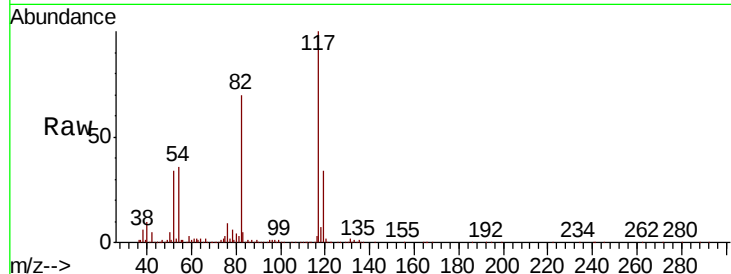




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.05 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

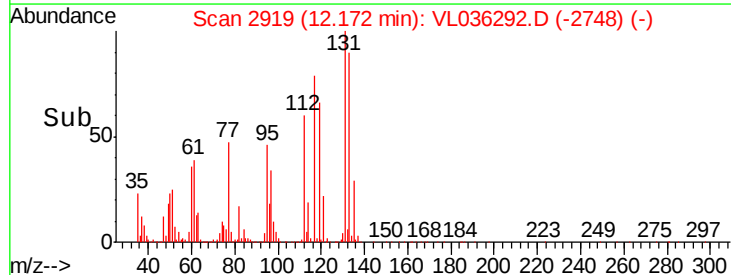
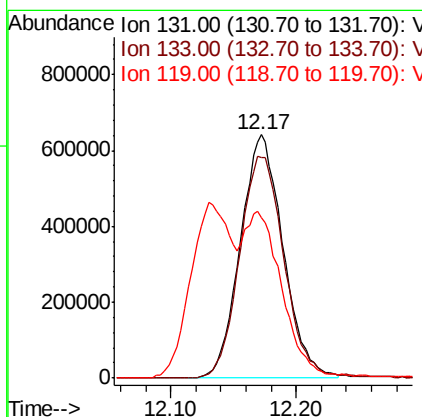
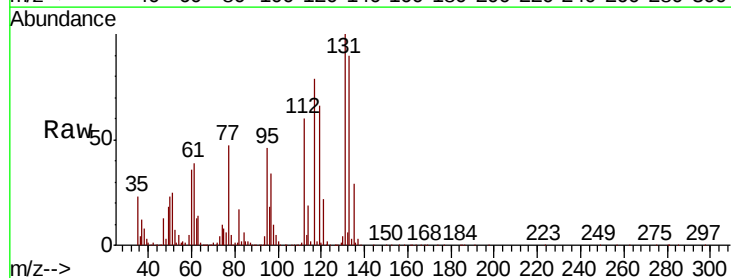
Instrument :
MSVOA_L
ClientSampleId :

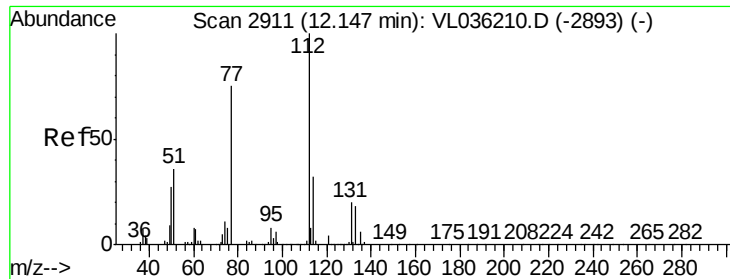
Tot Ion:117 Resp: 4253701
Ion Ratio Lower Upper
117 100
82 58.6 59.7 89.5#
119 24.9 28.6 43.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.977 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.05 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion:131 Resp: 1514298
Ion Ratio Lower Upper
131 100
133 95.6 76.5 114.7
119 67.8 45.4 68.0





#57

Chlorobenzene

Concen: 7.408 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampleId :

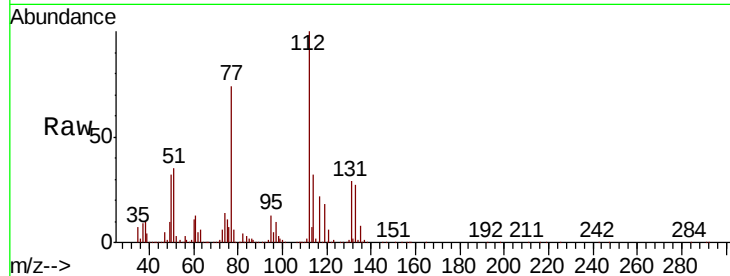
Tot Ion:112 Resp: 2472300

Ion Ratio Lower Upper

112 100

77 72.8 59.6 89.4

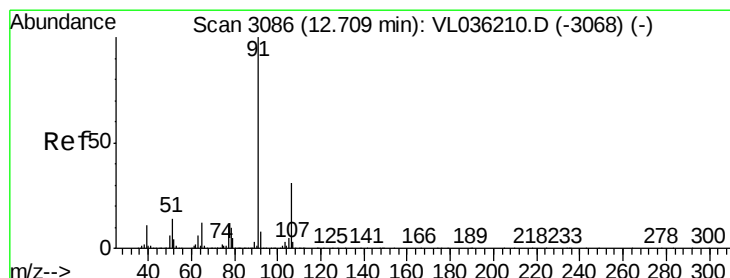
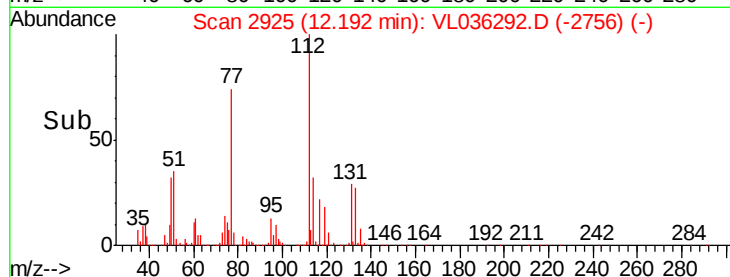
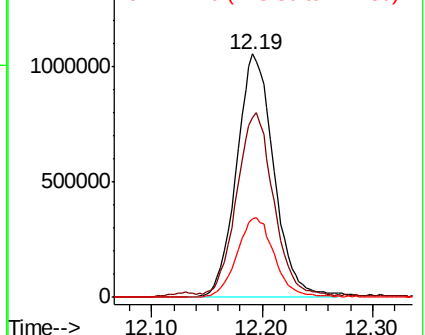
114 32.3 28.7 35.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.476 ppbv

RT: 12.76 min Scan# 3101

Delta R.T. 0.05 min

Lab File: VL036292.D

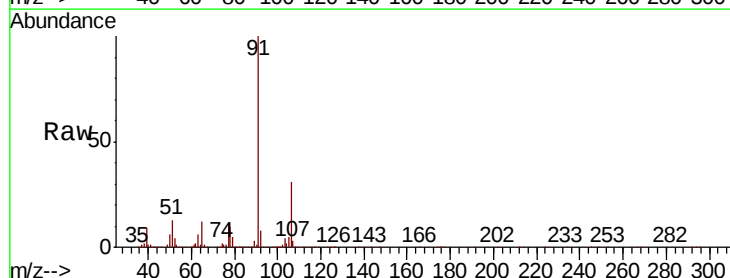
Acq: 3 Feb 2021 11:59

Tgt Ion: 91 Resp: 4718819

Ion Ratio Lower Upper

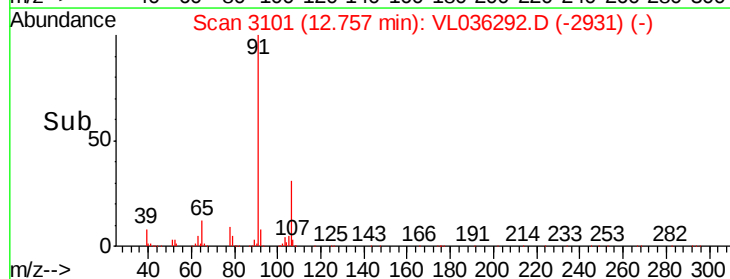
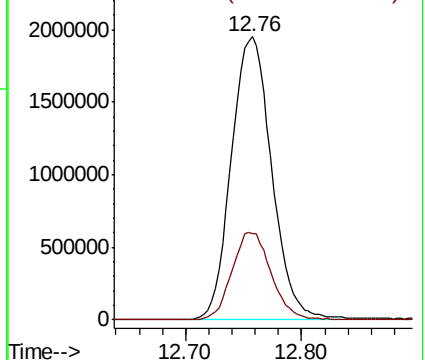
91 100

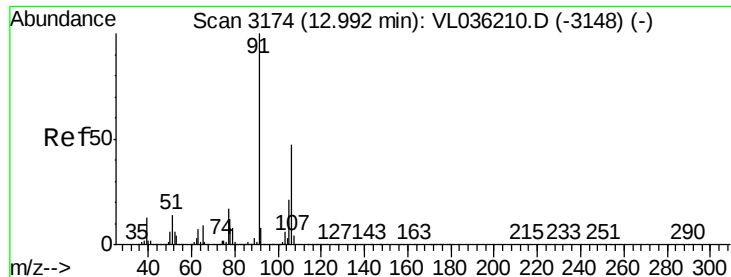
106 30.6 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

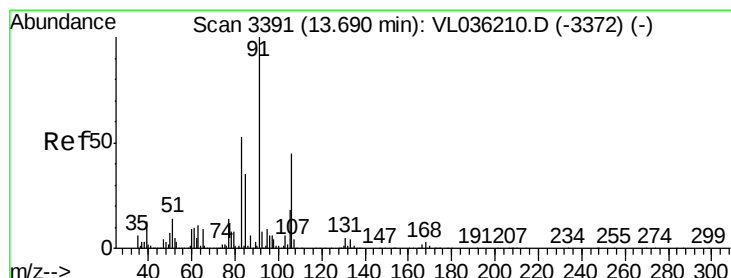
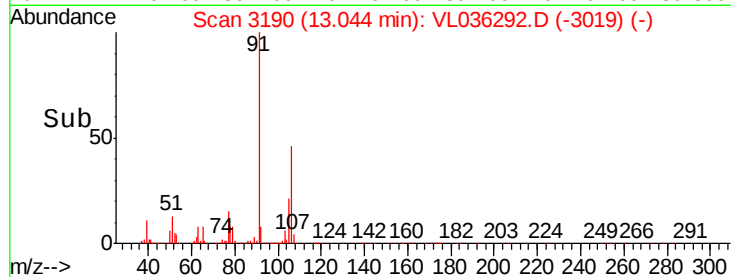
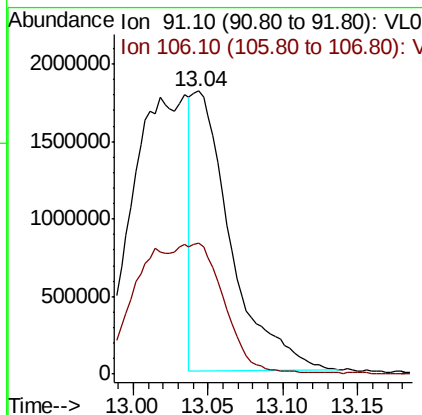
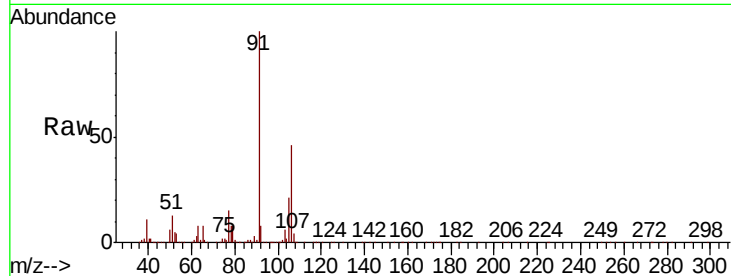




#59
m/p-Xylene
Concen: 5.954 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. 0.05 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

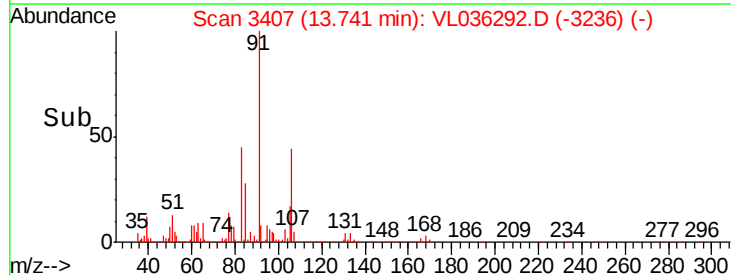
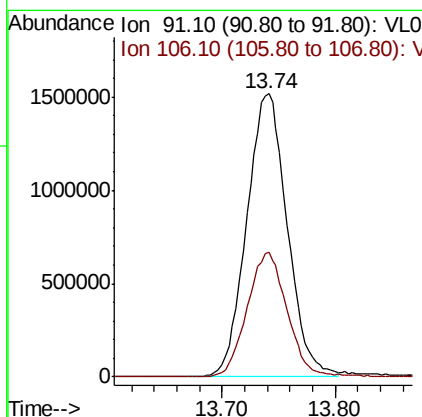
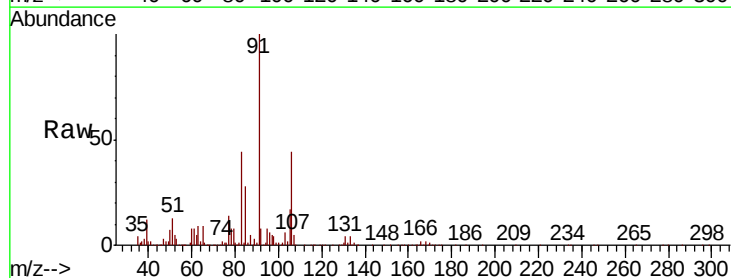
Instrument :
MSVOA_L
ClientSampleId :

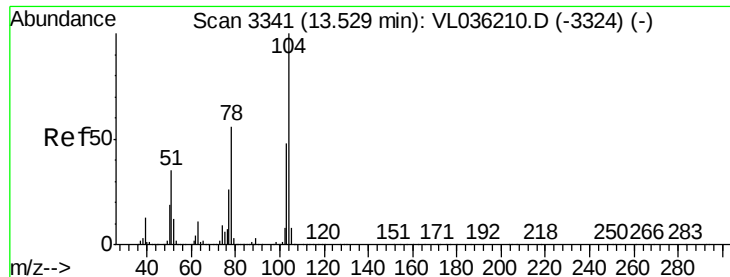
Tot Ion: 91 Resp: 3229278
Ion Ratio Lower Upper
91 100
106 106.6 34.6 51.8#



#60
o-Xylene
Concen: 7.188 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.05 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 91 Resp: 3758158
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.8





#61

Stvrene

Concen: 8.012 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampled :

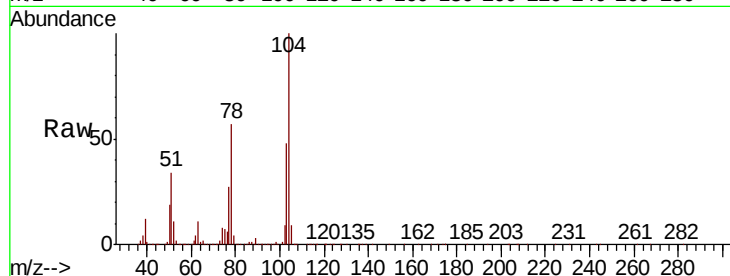
Tot Ion:104 Resp: 2645236

Ion Ratio Lower Upper

104 100

78 58.7 46.8 70.2

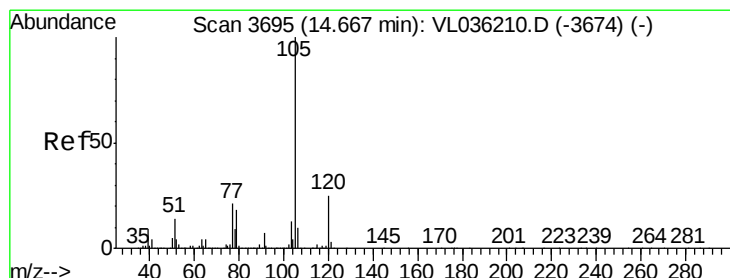
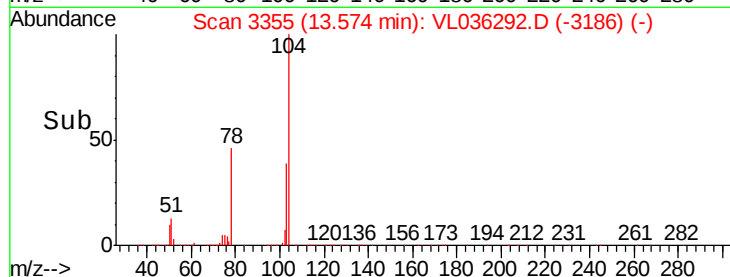
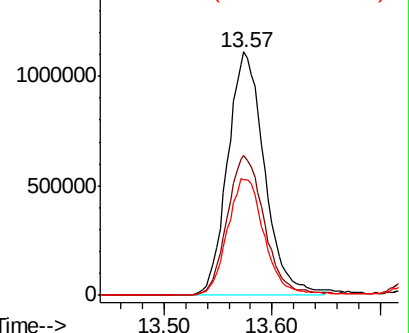
103 48.5 38.4 57.6



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: 7.193 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. 0.05 min

Lab File: VL036292.D

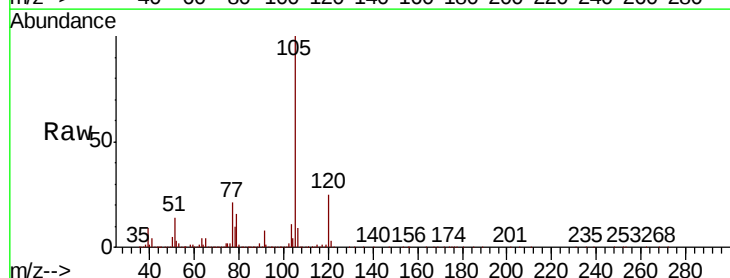
Acq: 3 Feb 2021 11:59

Tgt Ion:105 Resp: 5591370

Ion Ratio Lower Upper

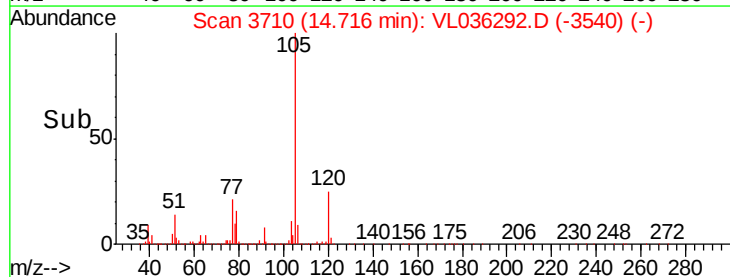
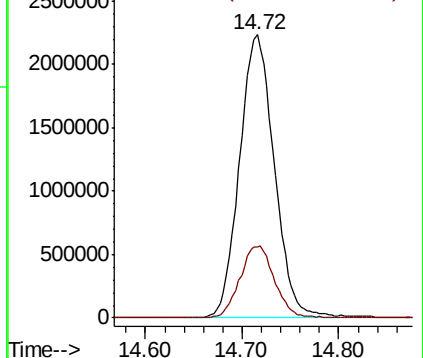
105 100

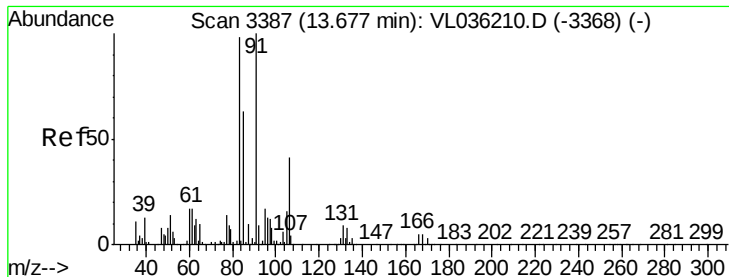
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.942 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampled :

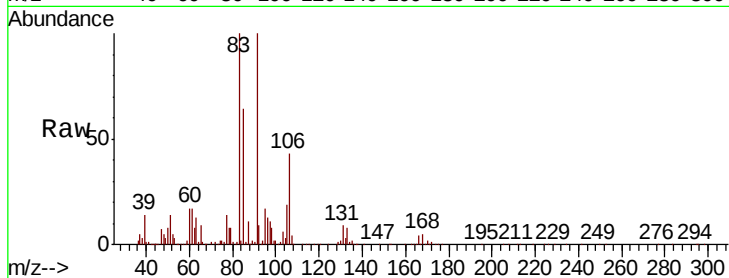
Tot Ion: 83 Resp: 2702337

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.5

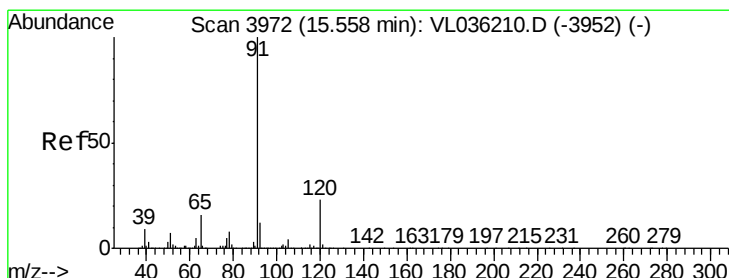
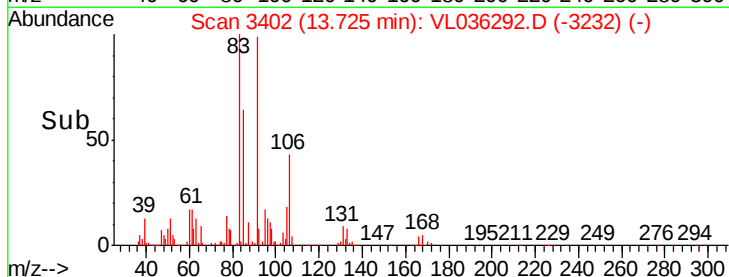
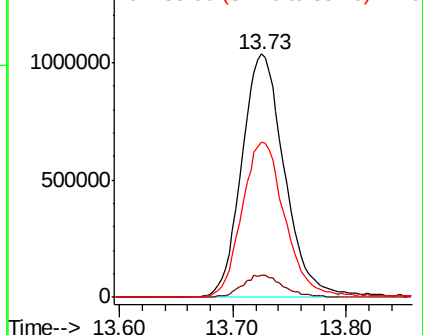
85 66.0 33.1 99.3



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: 7.521 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.05 min

Lab File: VL036292.D

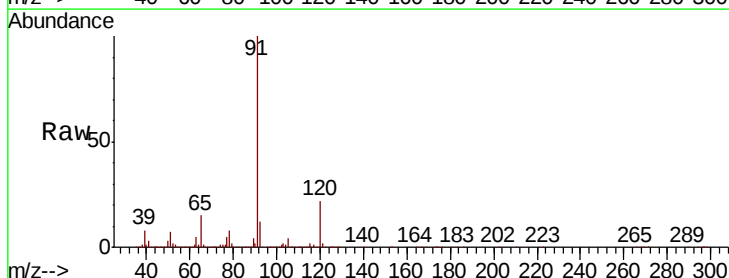
Acq: 3 Feb 2021 11:59

Tgt Ion: 120 Resp: 1436426

Ion Ratio Lower Upper

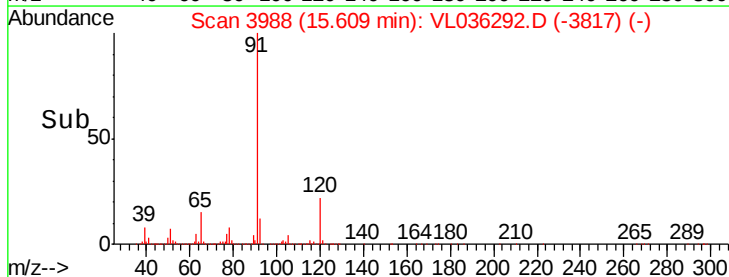
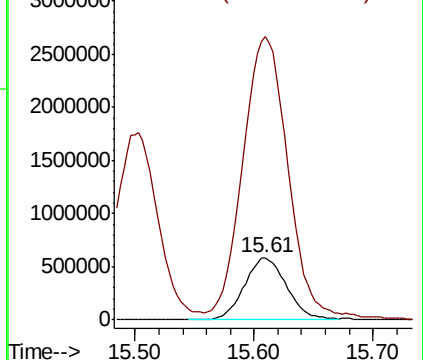
120 100

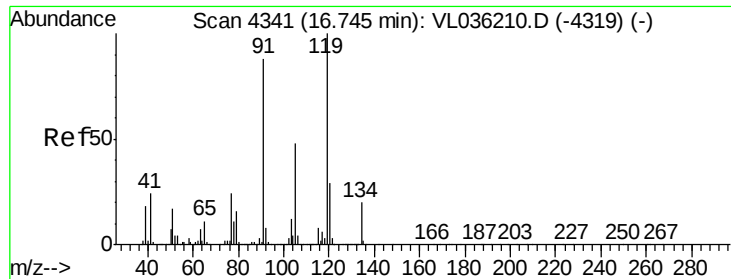
91 489.8 391.8 587.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

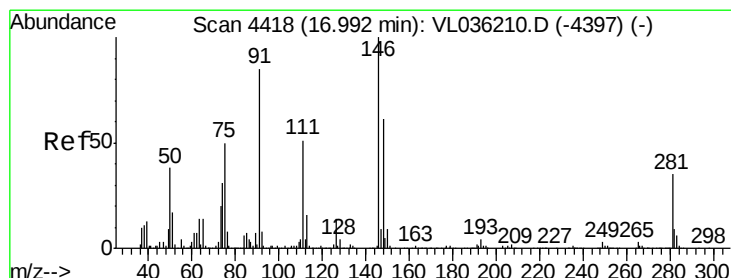
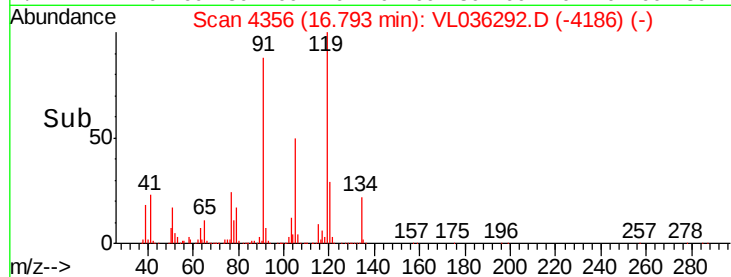
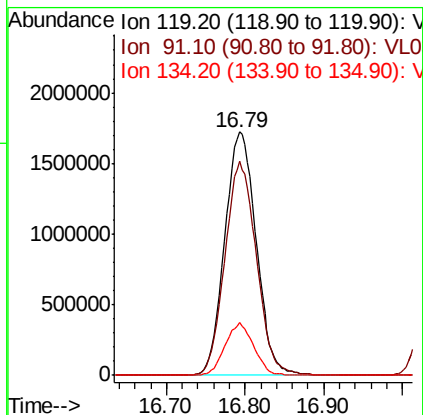
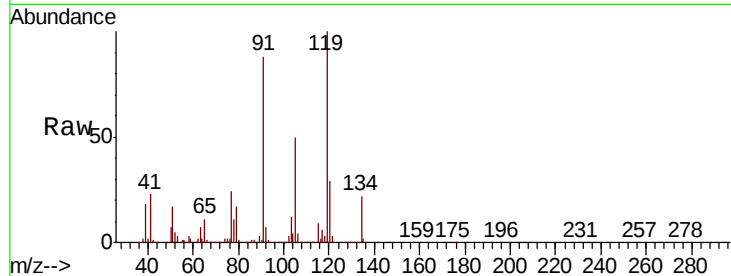




#65
tert-Butylbenzene
Concen: 7.235 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.05 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

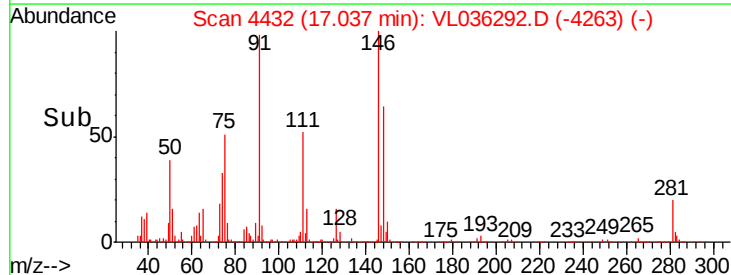
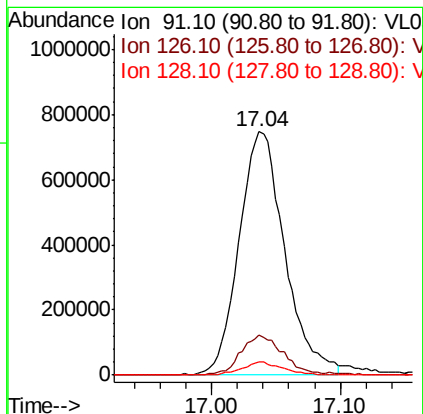
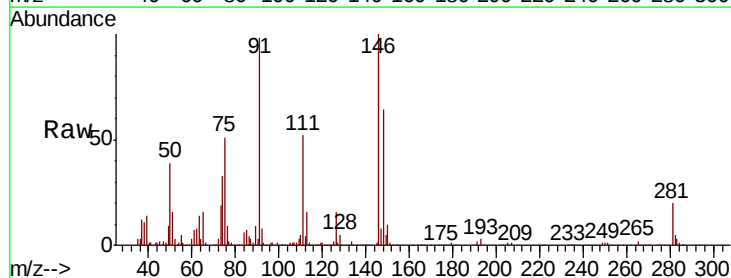
Instrument :
MSVOA_L
ClientSampleId :

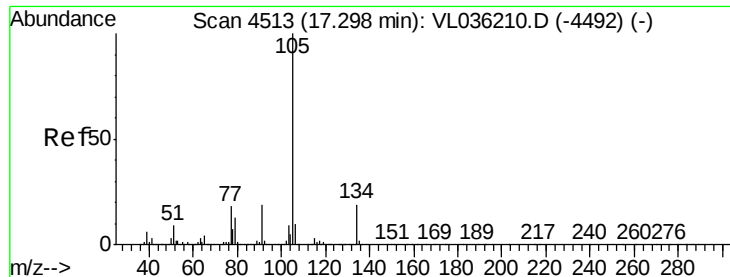
Tot Ion: 119 Resp: 4765286
Ion Ratio Lower Upper
119 100
91 88.1 71.0 106.6
134 19.7 15.8 23.6



#66
Benzyl Chloride
Concen: 10.862 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. 0.04 min
Lab File: VL036292.D
Acq: 3 Feb 2021 11:59

Tgt Ion: 91 Resp: 1827809
Ion Ratio Lower Upper
91 100
126 16.0 12.6 19.0
128 5.2 3.8 5.6

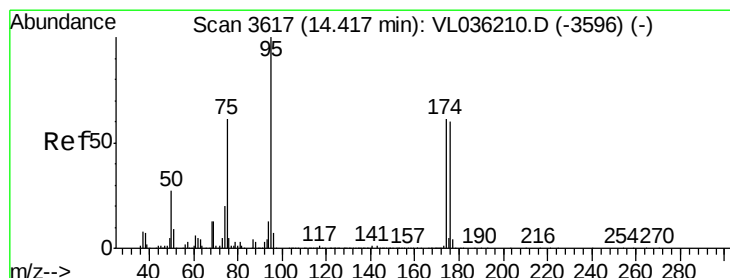
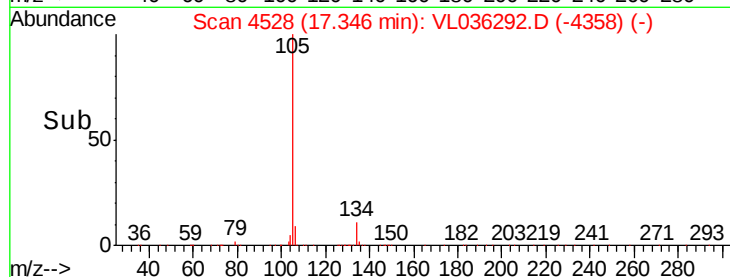
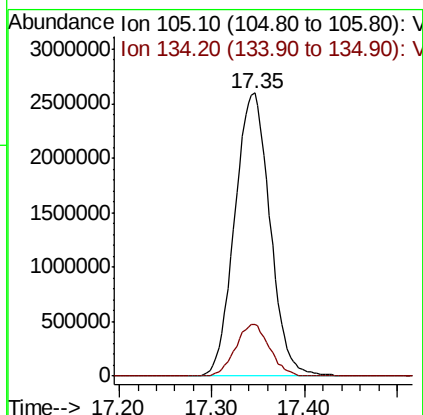
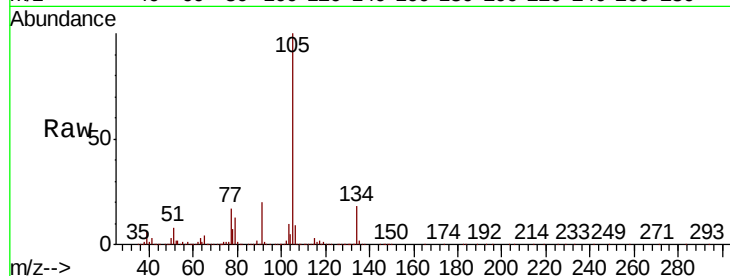




#67
 sec-Butylbenzene
 Concen: 6.985 ppbv
 RT: 17.35 min Scan# 4528
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

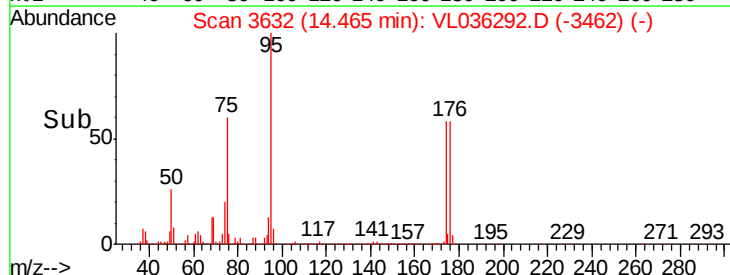
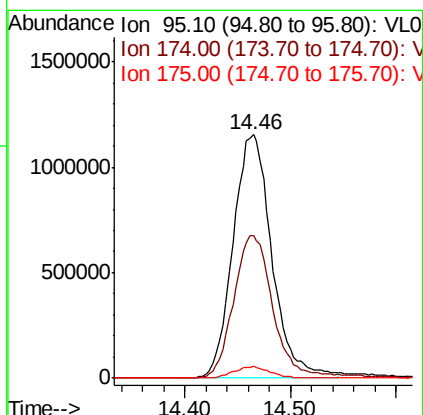
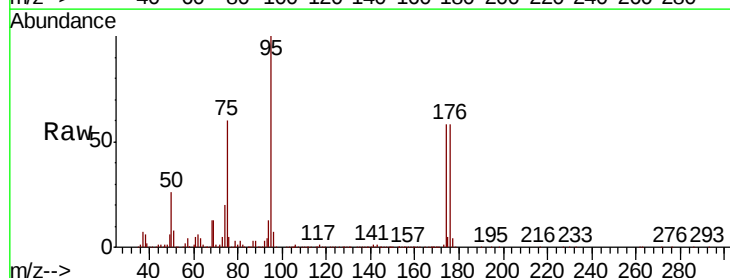
Instrument :
 MSVOA_L
 ClientSampled :

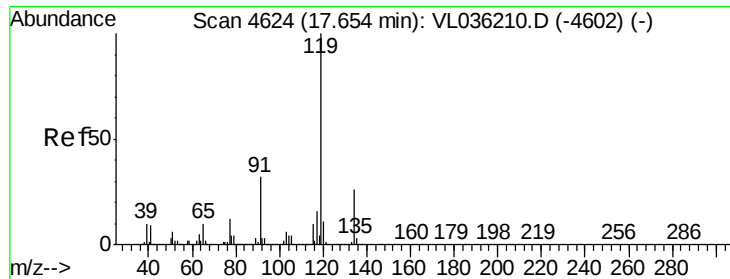
Tot Ion:105 Resp: 6830011
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.372 ppbv
 RT: 14.46 min Scan# 3632
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion: 95 Resp: 2947670
 Ion Ratio Lower Upper
 95 100
 174 60.5 49.4 74.0
 175 4.6 3.8 5.8





#69

p-Isopropyltoluene

Concen: 7.223 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampled :

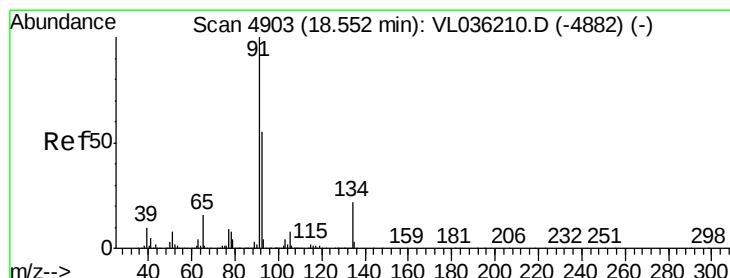
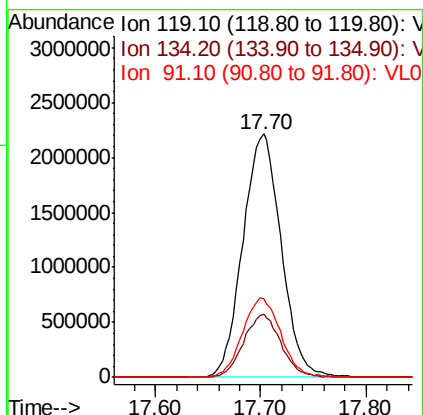
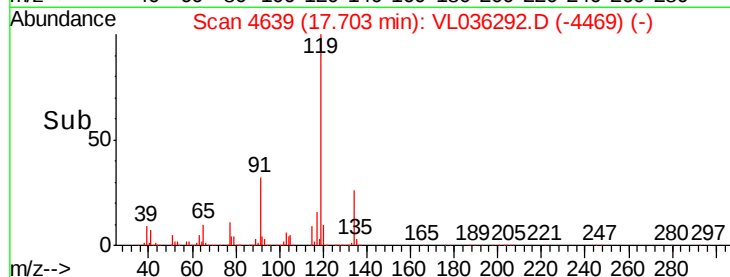
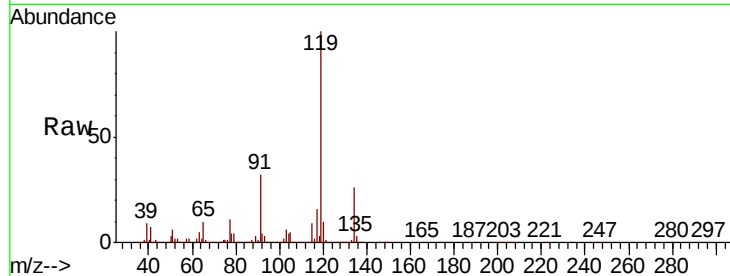
Tot Ion:119 Resp: 5601097

Ion Ratio Lower Upper

119 100

134 25.3 20.2 30.4

91 32.3 26.0 39.0



#70

n-Butylbenzene

Concen: 7.293 ppbv

RT: 18.60 min Scan# 4917

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

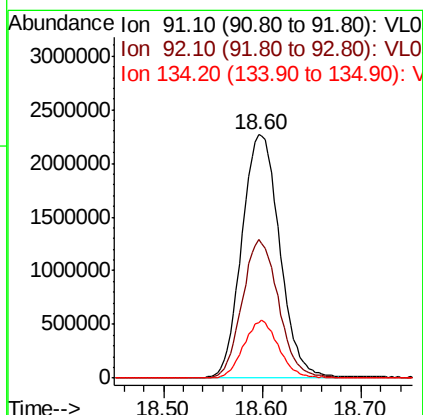
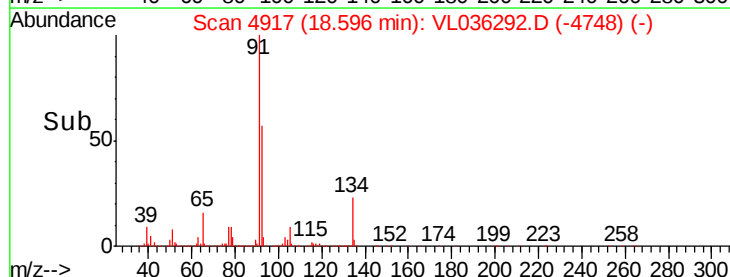
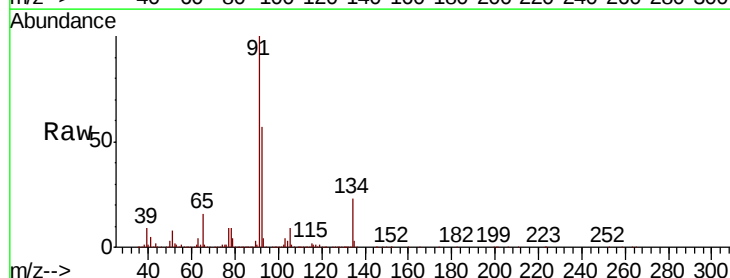
Tgt Ion: 91 Resp: 6025680

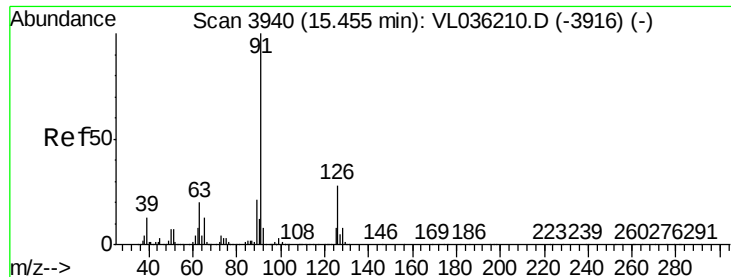
Ion Ratio Lower Upper

91 100

92 54.7 44.0 66.0

134 22.0 17.0 25.4

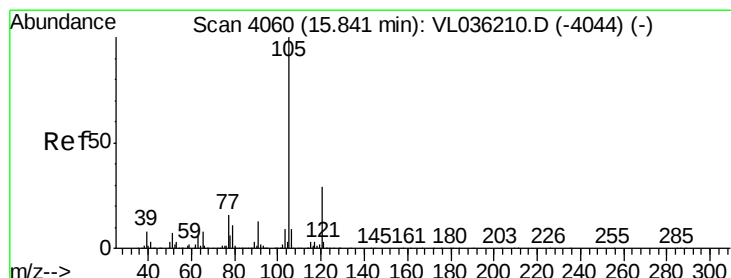
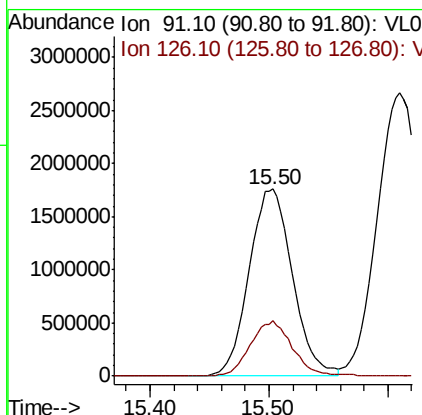
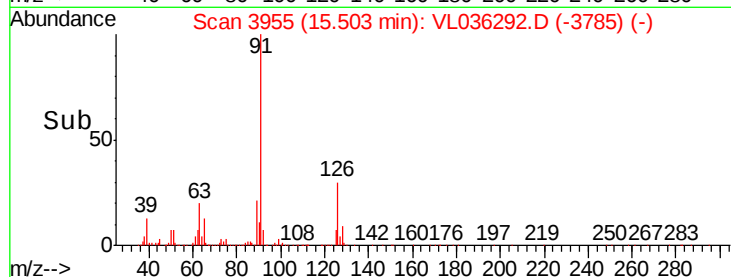
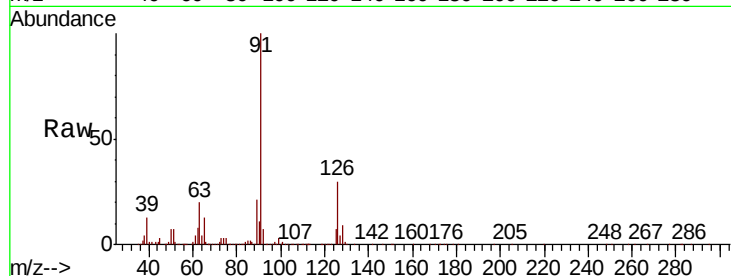




#71
 2-Chlorotoluene
 Concen: 7.265 ppbv
 RT: 15.50 min Scan# 3955
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

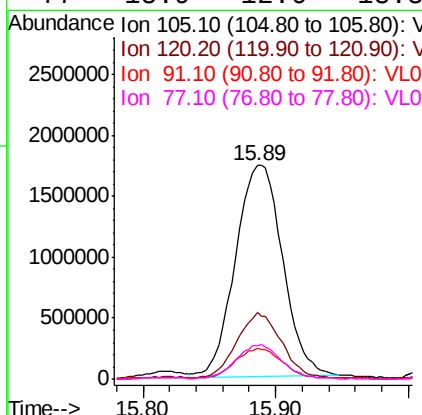
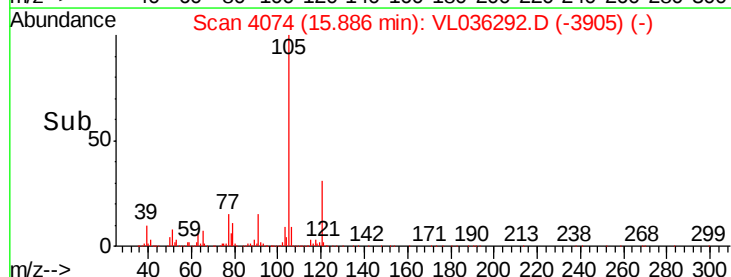
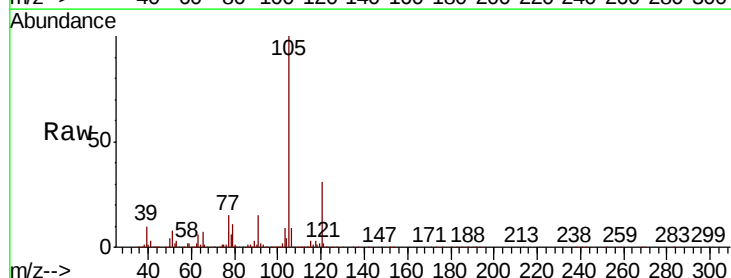
Instrument :
 MSVOA_L
 ClientSampleId :

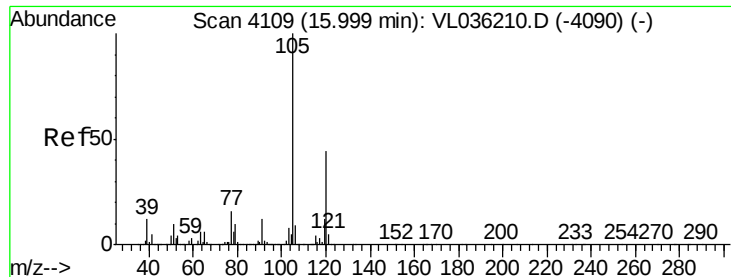
Tot Ion: 91 Resp: 4438961
 Ion Ratio Lower Upper
 91 100
 126 29.1 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 7.251 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.04 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion: 105 Resp: 4278099
 Ion Ratio Lower Upper
 105 100
 120 30.4 23.7 35.5
 91 14.2 11.9 17.9
 77 15.9 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 7.303 ppbv

RT: 16.05 min Scan# 4124

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

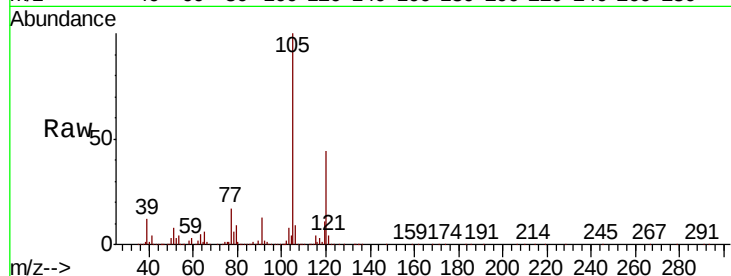
ClientSampleId :

Tot Ion:105 Resp: 4107335

Ion Ratio Lower Upper

105 100

120 44.1 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

1500000

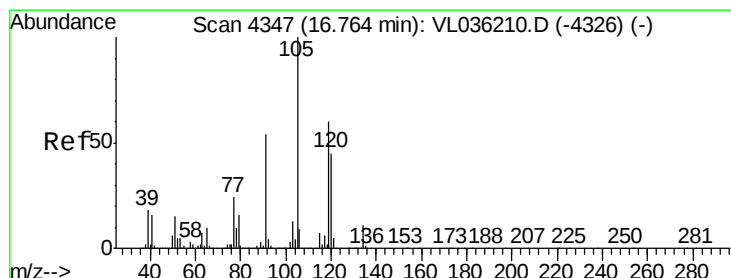
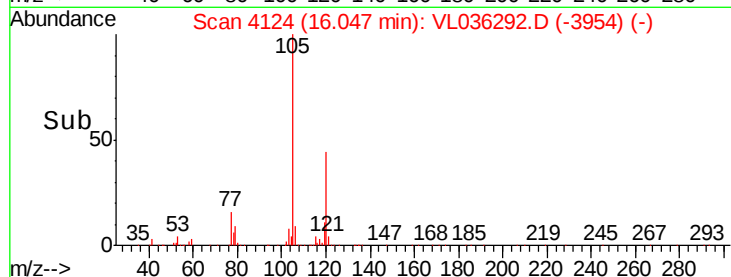
1000000

500000

0

16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.242 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Tgt Ion:105 Resp: 4178050

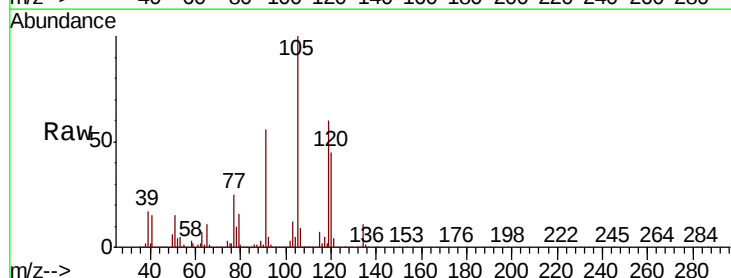
Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.2

91 55.5 43.3 64.9

77 24.9 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

2500000 Ion 120.20 (119.90 to 120.90): V

2000000 Ion 91.10 (90.80 to 91.80): VLO

1500000 Ion 77.10 (76.80 to 77.80): VLO

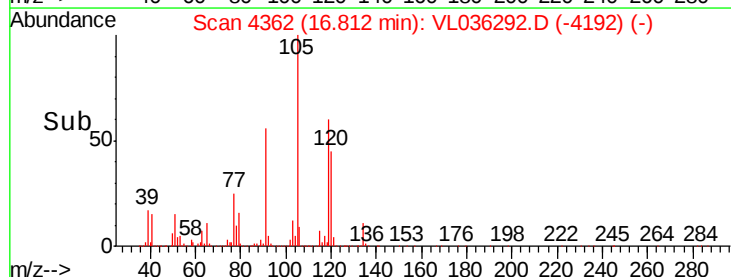
1000000

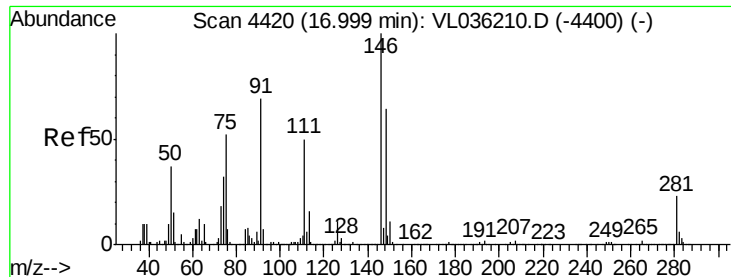
500000

0

16.70 16.80 16.90

Time-->

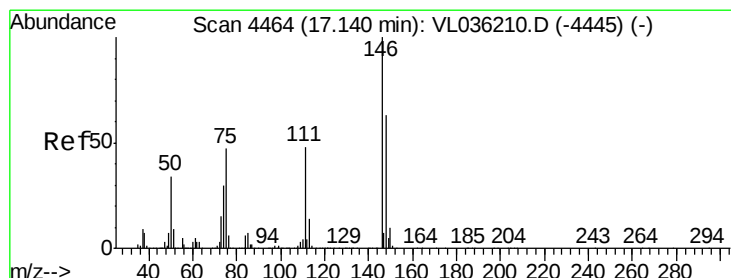
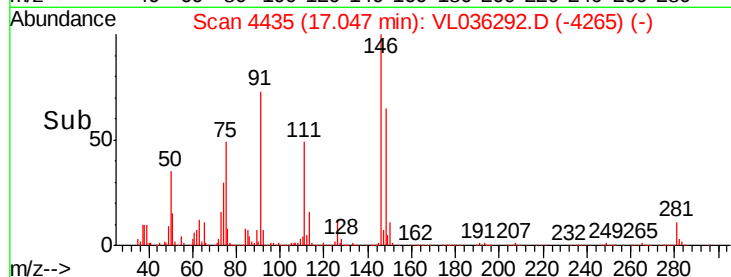
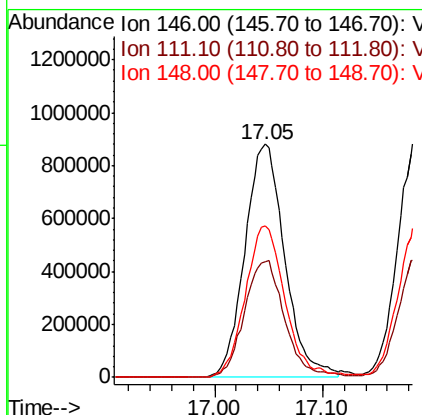
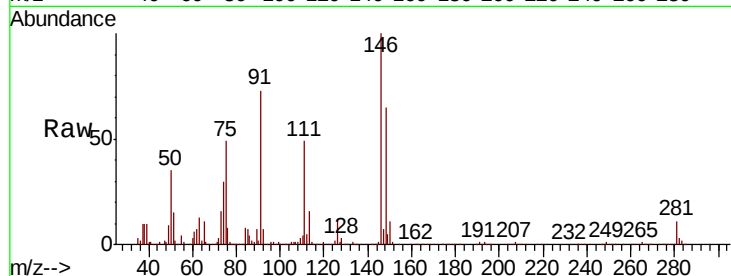




#75
 1,3-Dichlorobenzene
 Concen: 7.318 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

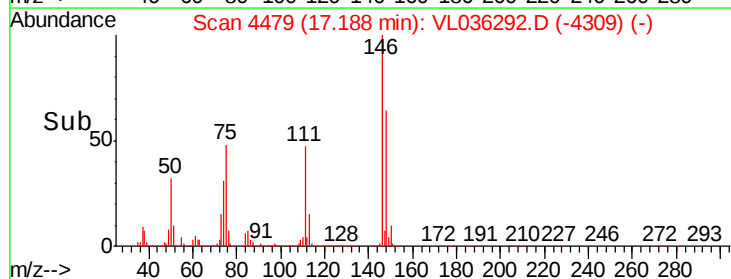
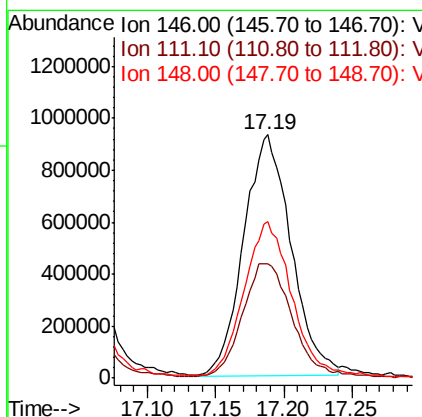
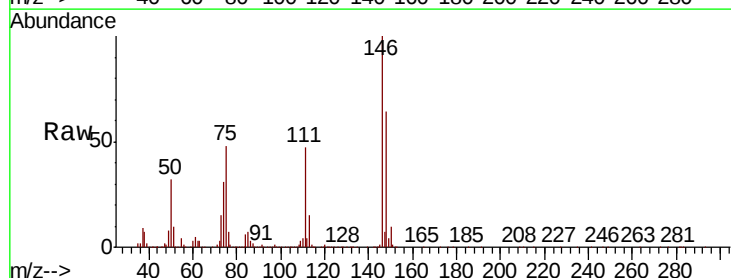
Instrument :
 MSVOA_L
 ClientSampleId :

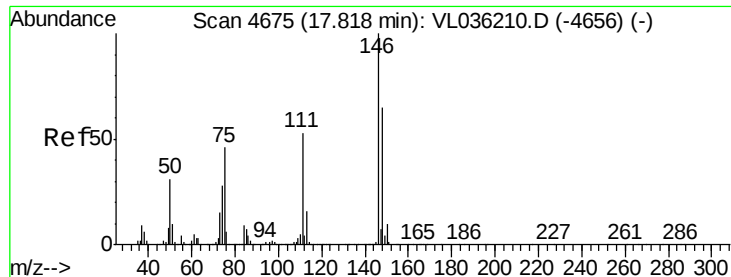
Tot Ion:146 Resp: 2264358
 Ion Ratio Lower Upper
 146 100
 111 50.4 25.5 76.5
 148 65.0 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 7.345 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Tgt Ion:146 Resp: 2245369
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.4 76.0
 148 66.5 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 7.479 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampleId :

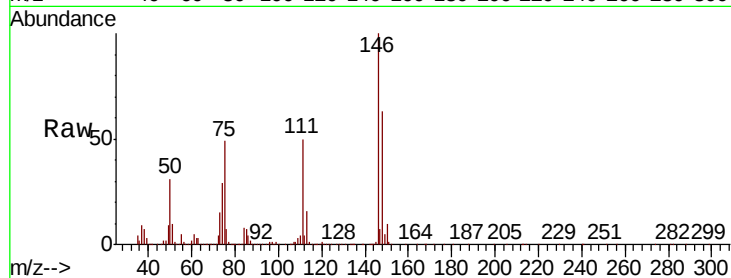
Tot Ion:146 Resp: 2260169

Ion Ratio Lower Upper

146 100

111 51.8 26.5 79.4

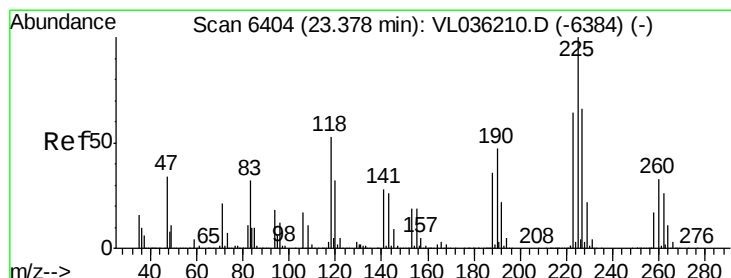
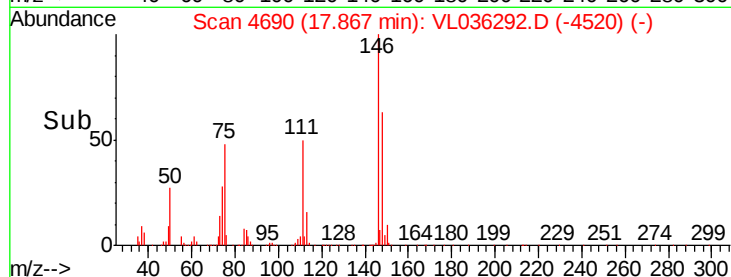
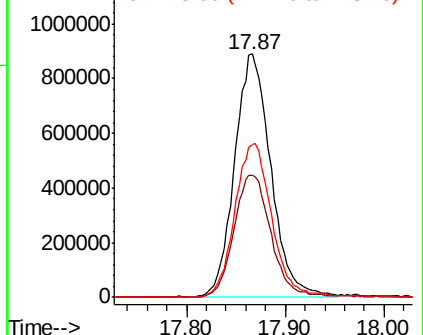
148 64.5 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.535 ppbv

RT: 23.43 min Scan# 6419

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

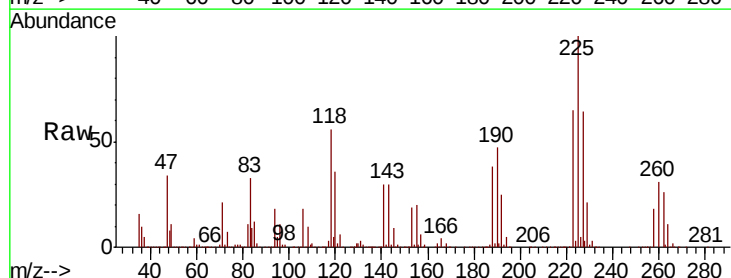
Tgt Ion:225 Resp: 1579568

Ion Ratio Lower Upper

225 100

223 64.9 50.5 75.7

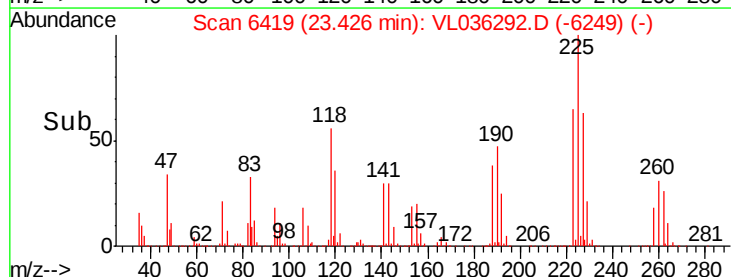
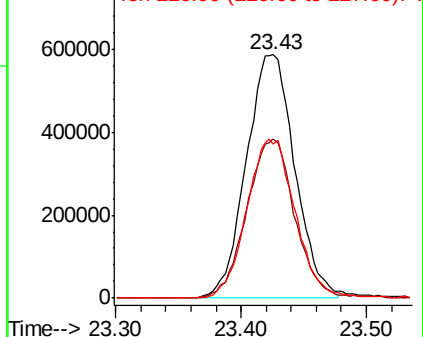
227 65.3 51.7 77.5

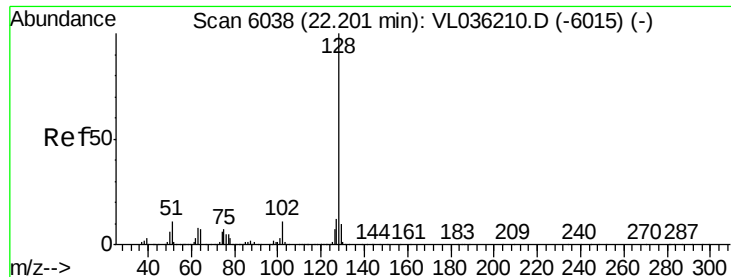


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.087 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. 0.05 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

Instrument :

MSVOA_L

ClientSampleId :

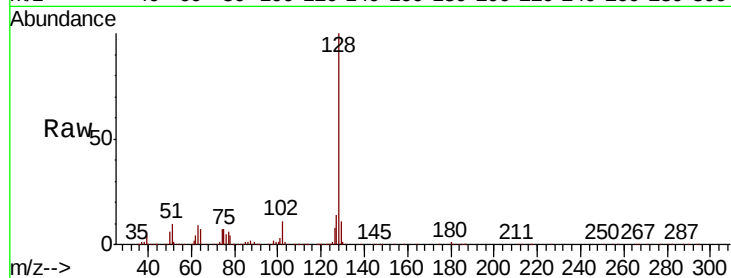
Tot Ion:128 Resp: 3064385

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

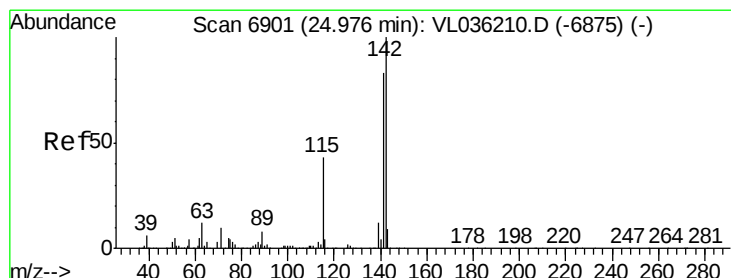
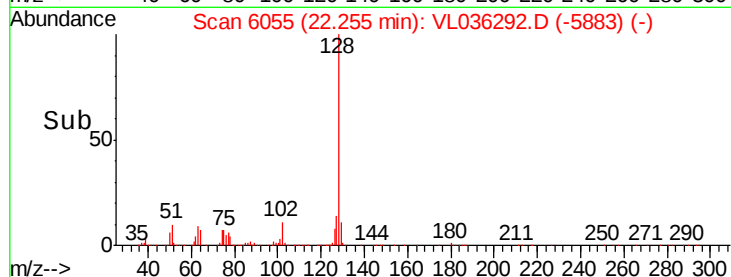
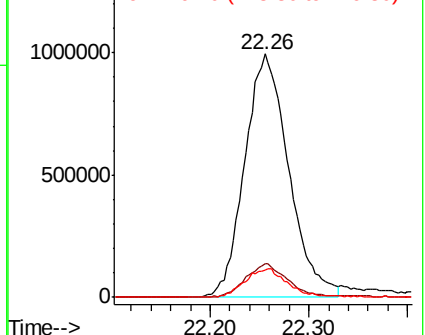
129 11.3 8.4 12.6



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: 11.567 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.04 min

Lab File: VL036292.D

Acq: 3 Feb 2021 11:59

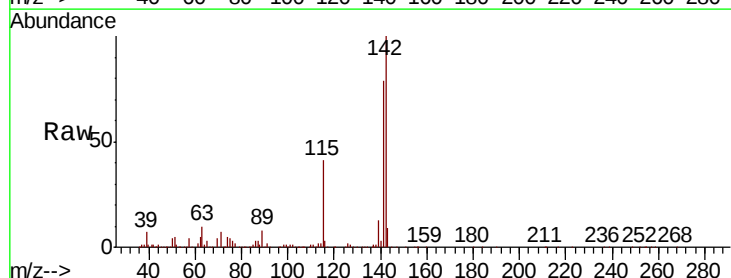
Tgt Ion:142 Resp: 832262

Ion Ratio Lower Upper

142 100

141 79.1 68.6 102.8

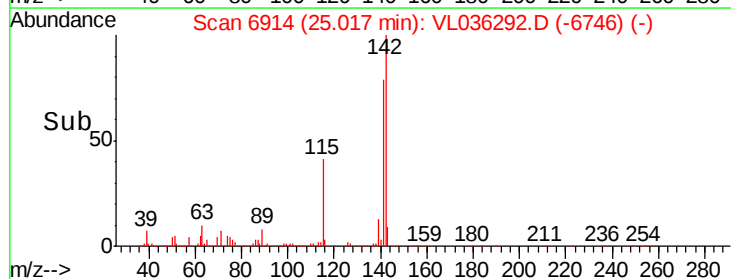
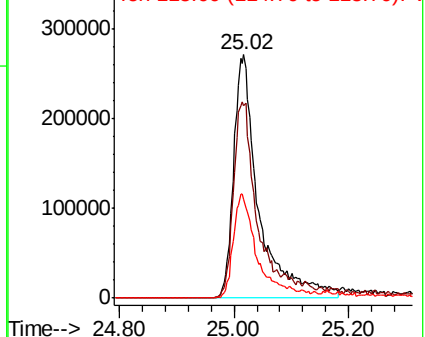
115 41.1 32.9 49.3

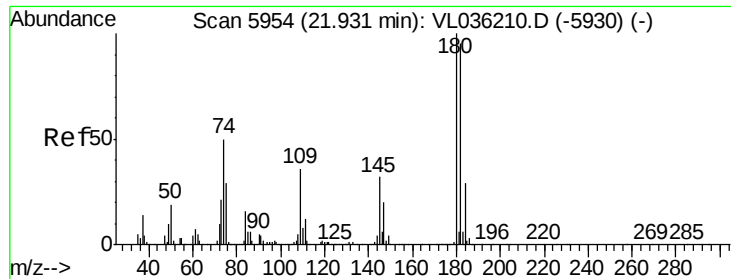


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

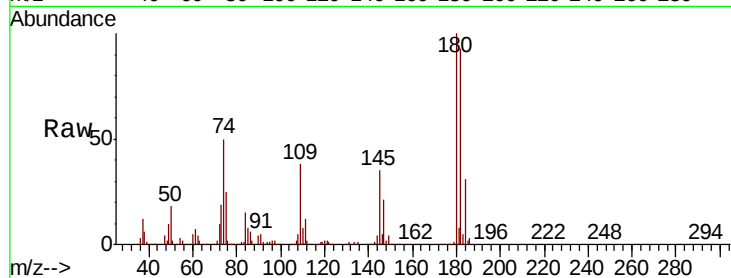




#81
 1,2,4-Trichlorobenzene
 Concen: 7.955 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.05 min
 Lab File: VL036292.D
 Acq: 3 Feb 2021 11:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.1	79.9	119.9
184	32.8	25.6	38.4



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

