

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034566.D
 Acq On : 27 Jan 2020 20:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 28 00:22:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 09 03:01:19 2020
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1122844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2261076	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2419371	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1924163	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1411712	7.972	ppbv 98
3) Chlorodifluoromethane	2.95	51	1277245	9.547	ppbv 98
4) Chloromethane	3.11	50	678081	8.533	ppbv 100
5) Vinyl Chloride	3.23	62	676217	8.690	ppbv 97
6) Bromomethane	3.45	94	403177	10.409	ppbv 99
7) Chloroethane	3.53	64	256997	9.477	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	1651520	9.299	ppbv 99
9) Propene	2.98	41	461310	8.944	ppbv 98
10) Heptane	8.14	43	1338068	10.046	ppbv 99
11) Trichlorofluoromethane	3.93	101	1962797	9.579	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1291463	9.909	ppbv 99
13) Ethanol	3.57	45	139395	9.740	ppbv 100
14) Bromoethene	3.72	108	519632	9.857	ppbv 99
15) Acetone	3.83	43	1371521	8.370	ppbv 98
16) 1,3-Butadiene	3.30	39	622838	9.882	ppbv 99
17) tert-Butyl alcohol	4.28	59	1382034	10.533	ppbv 99
18) 1,1-Dichloroethene	4.27	96	581140	10.236	ppbv 91
19) Isopropyl Alcohol	3.95	45	1066093	10.050	ppbv 99
20) Methylene Chloride	4.33	84	495313	7.682	ppbv 97
21) Allyl Chloride	4.40	41	937251	9.951	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	556509	9.637	ppbv 98
23) Vinyl Acetate	5.07	43	1862524	9.845	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1409525	9.274	ppbv 99
25) Ethyl Acetate	5.68	43	2333321	9.118	ppbv 100
26) Hexane	5.69	57	1034708	9.596	ppbv 96
27) Carbon Disulfide	4.54	76	1442551	10.584	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1755972	9.750	ppbv 99
29) Chloroform	5.76	83	1755343	9.408	ppbv 97
30) Cyclohexane	7.15	84	814208	10.159	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1091028	9.929	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1842269	9.512	ppbv 100
34) 2-Butanone	5.24	43	1515991	9.382	ppbv 100
35) Carbon Tetrachloride	7.03	117	1984970	9.680	ppbv 98
36) Benzene	6.91	78	1907527	9.678	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1529296	9.555	ppbv 99
38) Trichloroethene	7.86	130	819883	10.298	ppbv 97
39) 1,2-Dichloropropane	7.63	63	783961	9.673	ppbv 95
40) 1,4-Dioxane	7.85	88	313516	9.558	ppbv # 99
41) Tetrahydrofuran	6.05	42	822683	9.925	ppbv 98
42) Bromodichloromethane	7.82	83	1962992	9.967	ppbv 95
43) Methyl Methacrylate	8.03	69	828453	10.304	ppbv 99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 09 03:01:19 2020
 QLast Update : Thu Jan 09 03:01:19 2020
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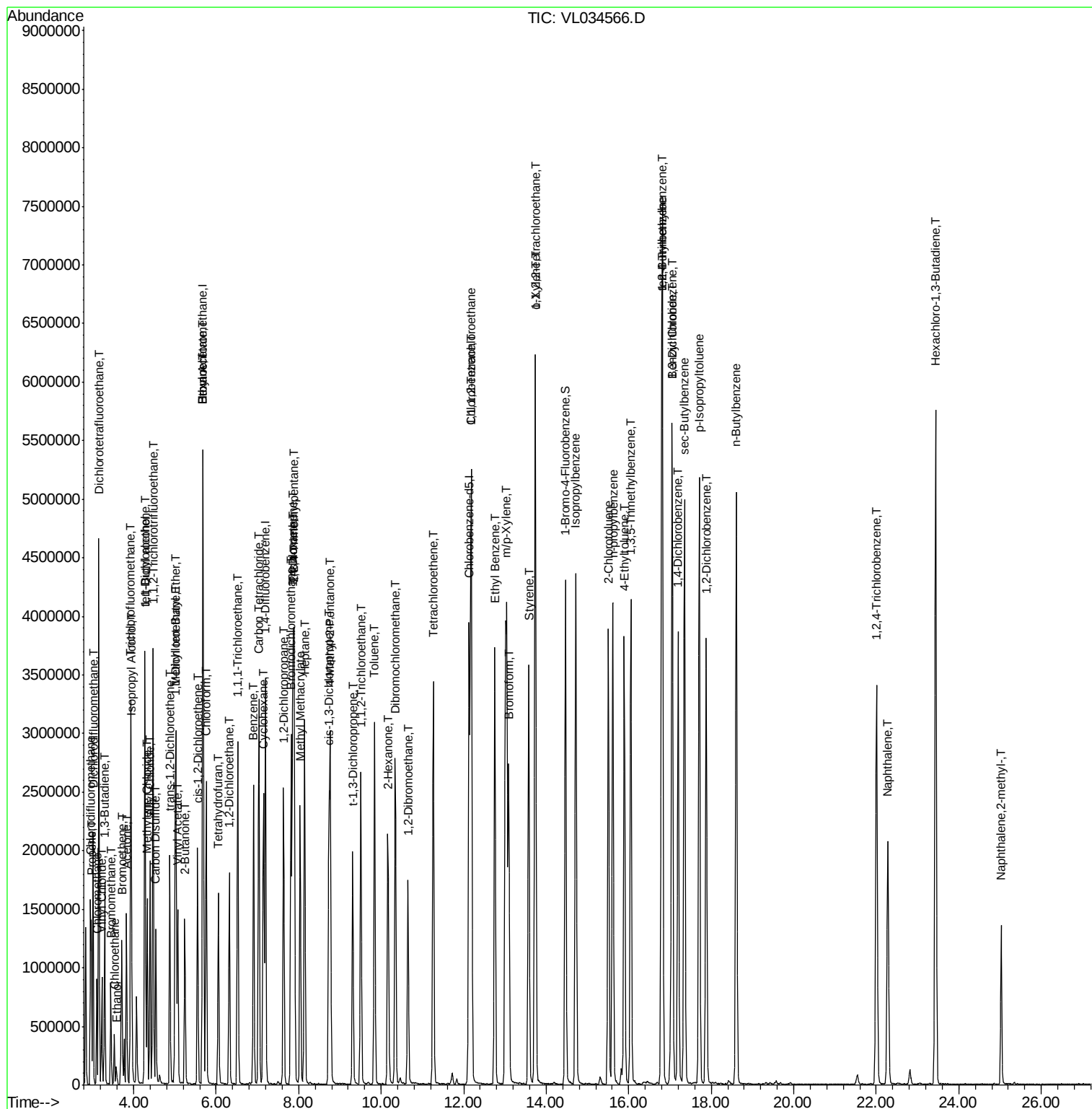
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3484679	9.557	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1117056	10.786	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1237976	10.457	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	861017	9.637	ppbv	94
48) Dibromochloromethane	10.34	129	1656474	10.695	ppbv	99
49) Bromoform	13.09	173	1507896	10.754	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2312254	9.858	ppbv	100
51) 2-Hexanone	10.16	43	1925767	10.171	ppbv #	100
52) Tetrachloroethene	11.26	164	767589	9.979	ppbv	99
53) Toluene	9.83	91	2282113	10.539	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1378074	10.600	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.17	131	1134831	9.717	ppbv	97
57) Chlorobenzene	12.19	112	1831270	9.175	ppbv	99
58) Ethyl Benzene	12.76	91	3218655	9.865	ppbv	99
59) m/p-Xylene	13.04	91	2978586	10.439	ppbv #	44
60) o-Xylene	13.74	91	2791914	9.751	ppbv	100
61) Styrene	13.57	104	1938156	9.901	ppbv	100
62) Isopropylbenzene	14.72	105	3590538	9.587	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	2015518	8.776	ppbv	99
64) n-propylbenzene	15.62	120	958913	10.027	ppbv	99
65) tert-Butylbenzene	16.80	119	3395404	10.035	ppbv	99
66) Benzyl Chloride	17.05	91	1647165	11.108	ppbv	100
67) sec-Butylbenzene	17.35	105	4596633	9.674	ppbv	99
69) p-Isopropyltoluene	17.71	119	3875583	10.057	ppbv	100
70) n-Butylbenzene	18.61	91	4101821	9.864	ppbv	100
71) 2-Chlorotoluene	15.51	91	2851698	9.805	ppbv	99
72) 4-Ethyltoluene	15.90	105	3158561	9.859	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3072264	9.774	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	3242152	9.642	ppbv	97
75) 1,3-Dichlorobenzene	17.06	146	1846784	9.170	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1815202	9.362	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1805240	9.538	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1508793	8.398	ppbv	99
79) Naphthalene	22.28	128	2580504	10.189	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	705468	10.056	ppbv #	95
81) 1,2,4-Trichlorobenzene	22.01	180	1523188	9.237	ppbv	99

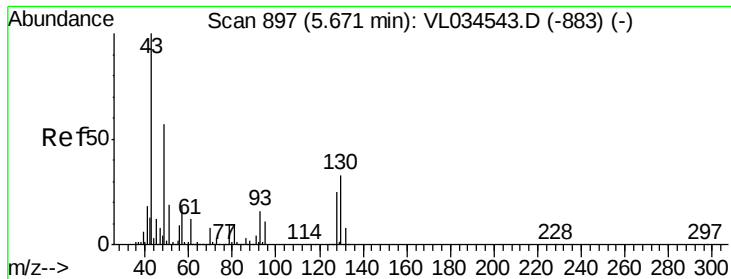
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

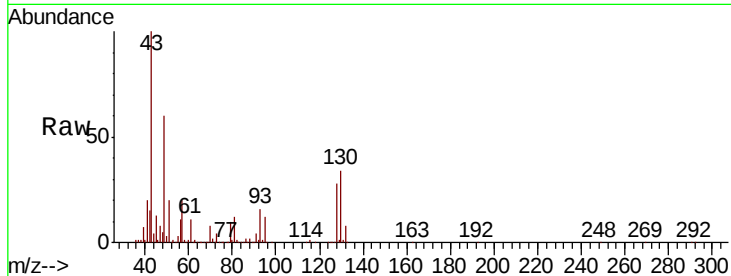
Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1122844

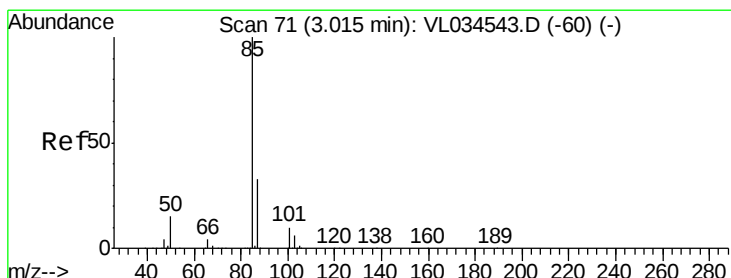
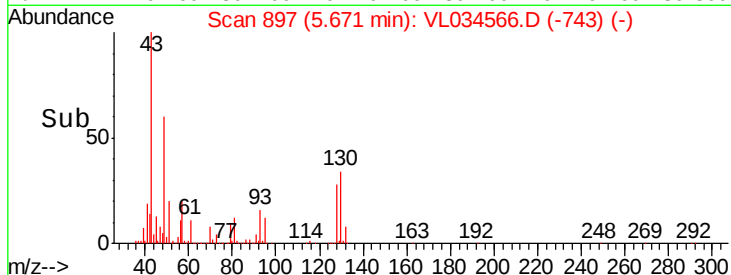
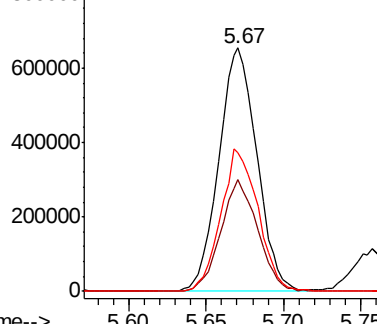
Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.4	67.2
130	57.5	28.3	85.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.972 ppbv

RT: 3.01 min Scan# 71

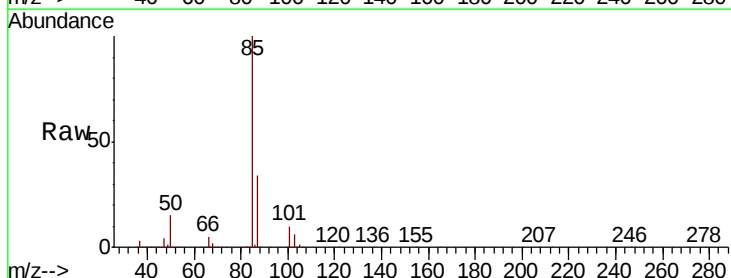
Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

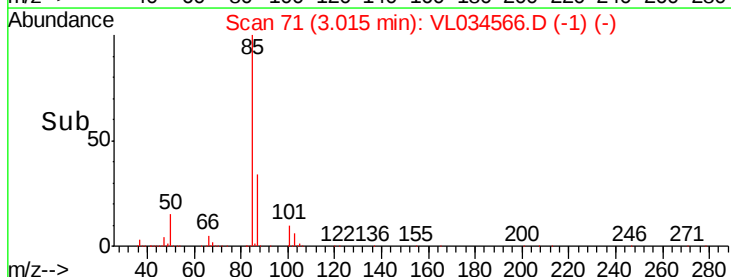
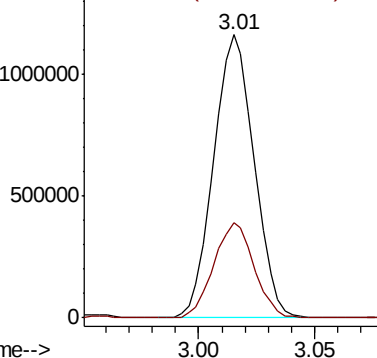
Tgt Ion: 85 Resp: 1411712

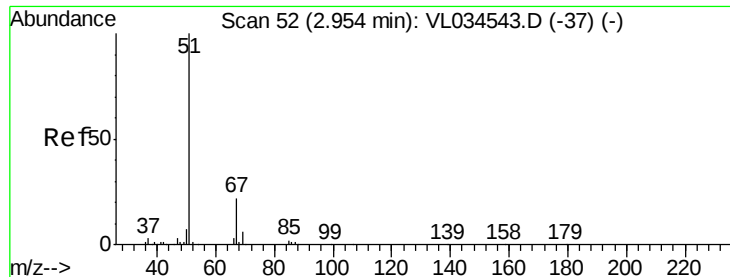
Ion	Ratio	Lower	Upper
85	100		
87	33.8	27.9	41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.547 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

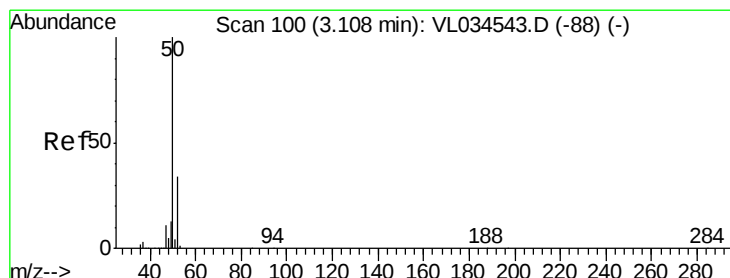
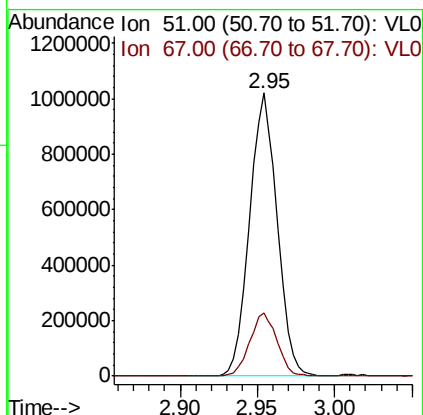
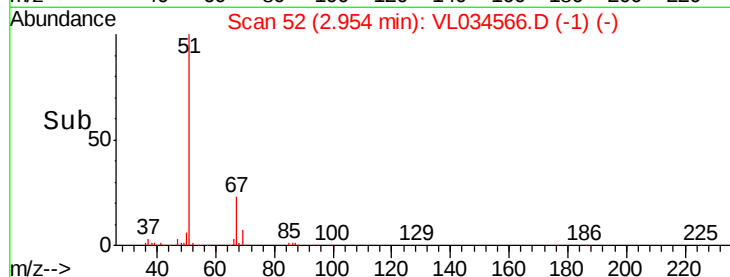
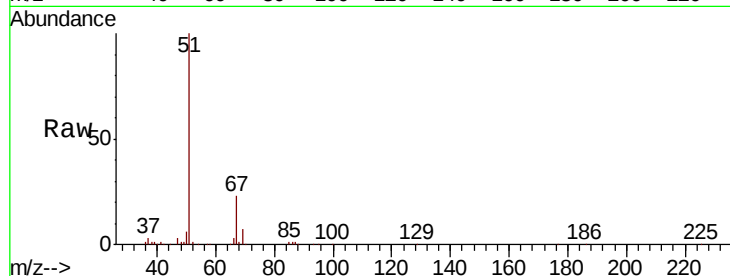
ClientSampleId :

Tot Ion: 51 Resp: 1277245

Ion Ratio Lower Upper

51 100

67 22.0 16.8 25.2



#4

Chloromethane

Concen: 8.533 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.00 min

Lab File: VL034566.D

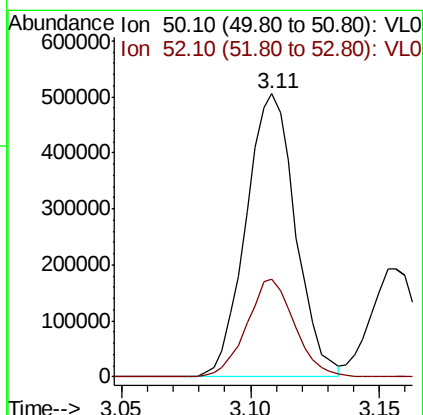
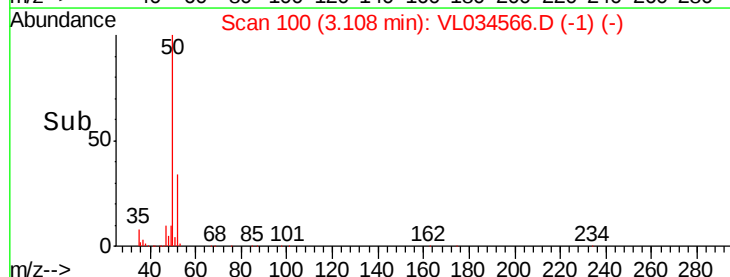
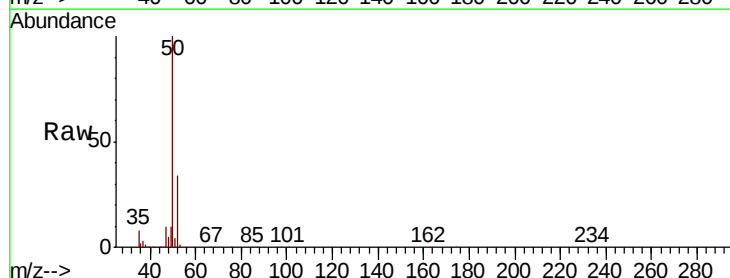
Acq: 27 Jan 2020 20:10

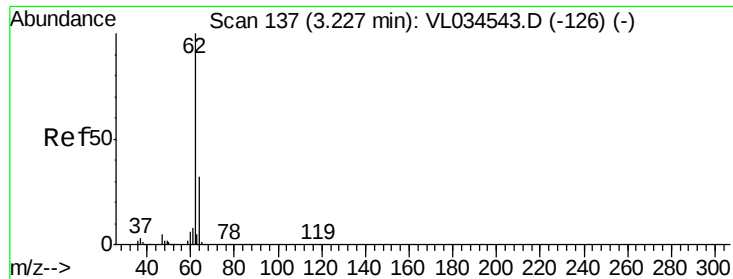
Tgt Ion: 50 Resp: 678081

Ion Ratio Lower Upper

50 100

52 34.3 27.6 41.4





#5

Vinyl Chloride

Concen: 8.690 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

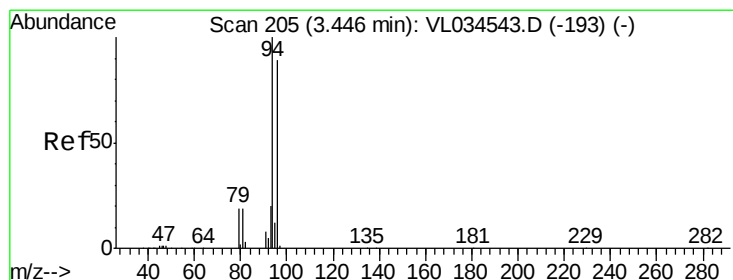
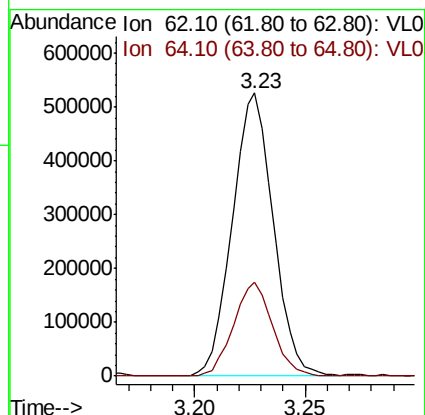
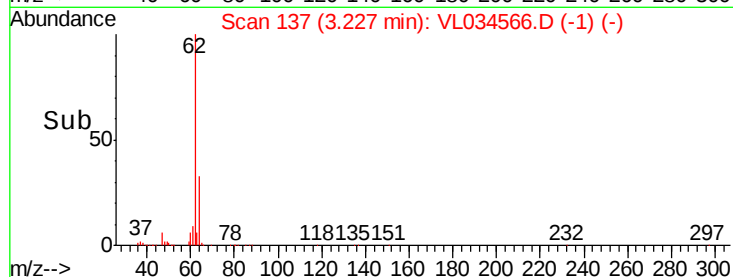
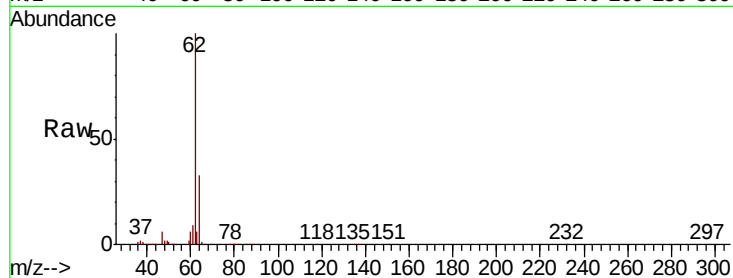
ClientSampled :

Tot Ion: 62 Resp: 676217

Ion Ratio Lower Upper

62 100

64 33.0 24.9 37.3



#6

Bromomethane

Concen: 10.409 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.00 min

Lab File: VL034566.D

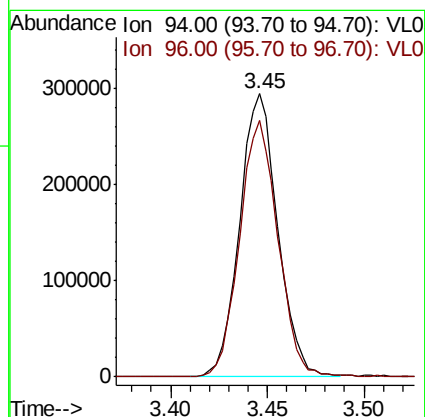
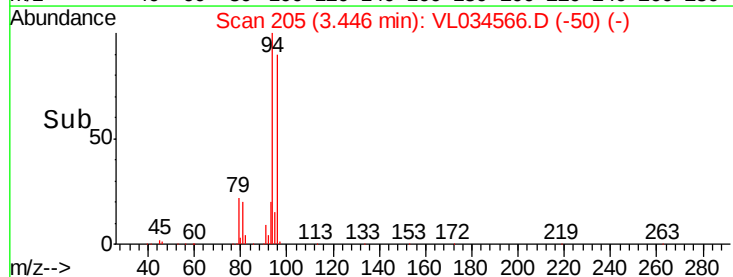
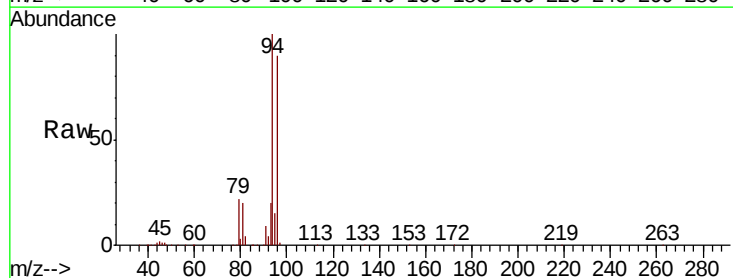
Acq: 27 Jan 2020 20:10

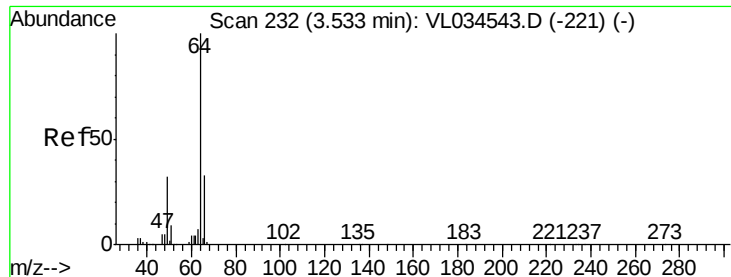
Tgt Ion: 94 Resp: 403177

Ion Ratio Lower Upper

94 100

96 90.4 71.2 106.8





#7

Chloroethane

Concen: 9.477 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

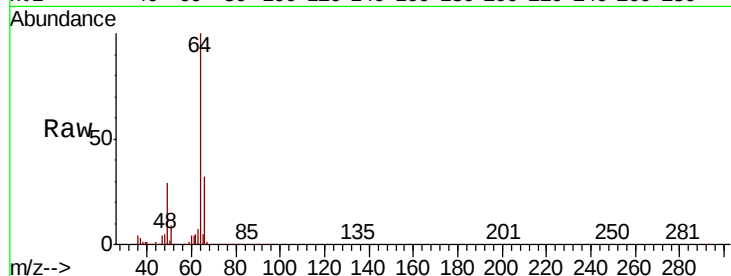
ClientSampleId :

Tot Ion: 64 Resp: 256997

Ion Ratio Lower Upper

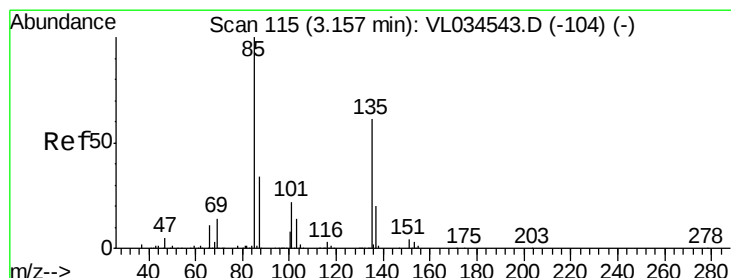
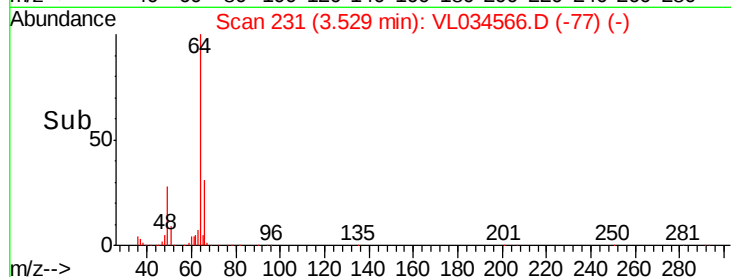
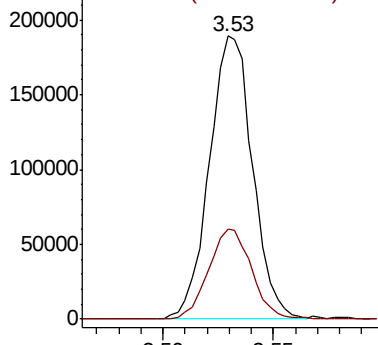
64 100

66 31.8 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.299 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL034566.D

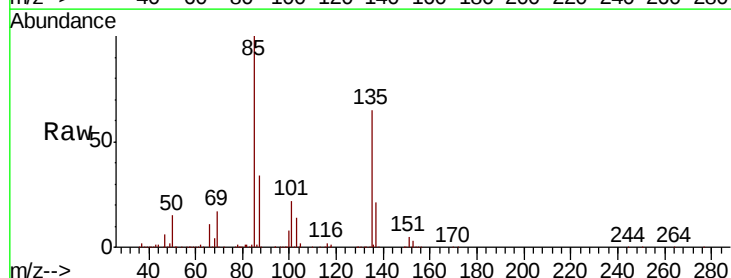
Acq: 27 Jan 2020 20:10

Tgt Ion: 85 Resp: 1651520

Ion Ratio Lower Upper

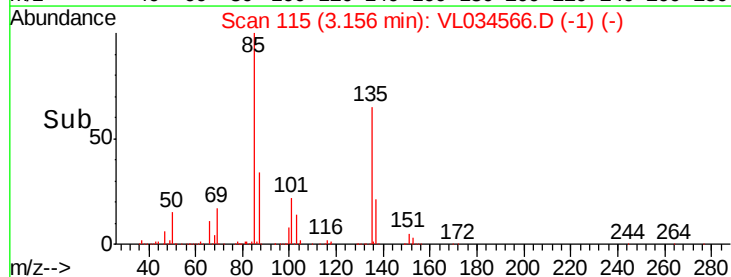
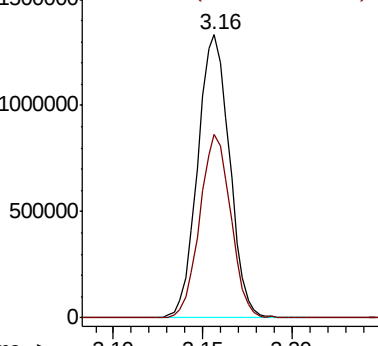
85 100

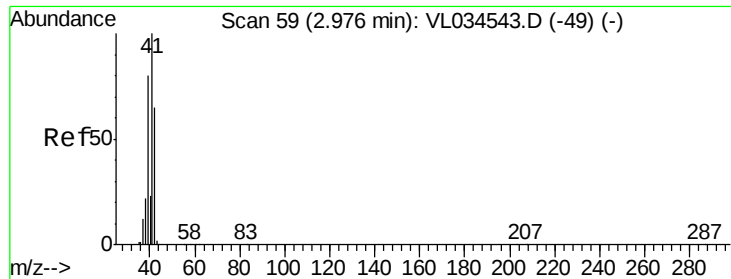
135 63.6 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.944 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

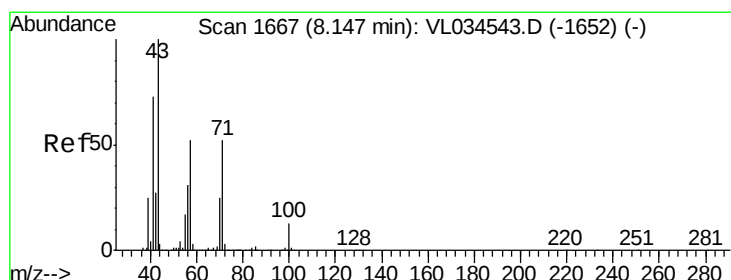
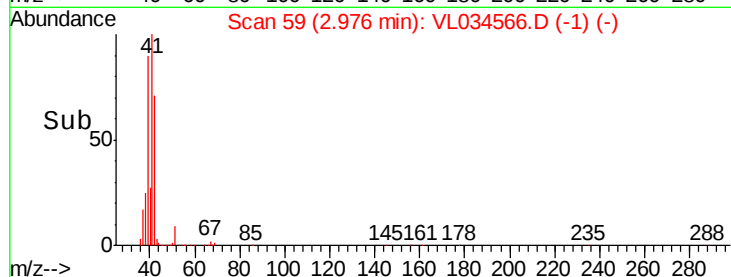
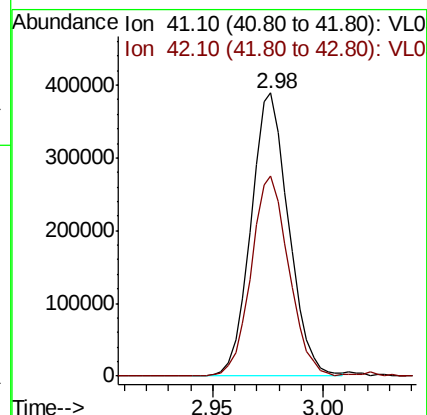
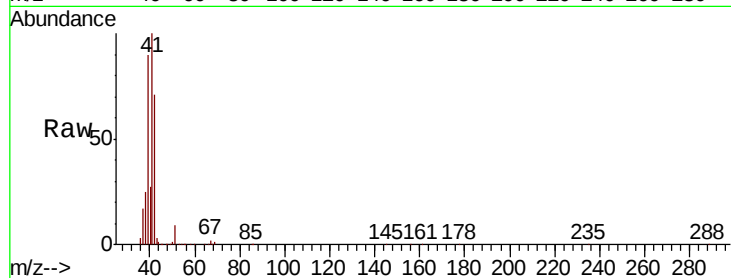
ClientSampled :

Tot Ion: 41 Resp: 461310

Ion Ratio Lower Upper

41 100

42 71.7 55.8 83.6



#10

Heptane

Concen: 10.046 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VL034566.D

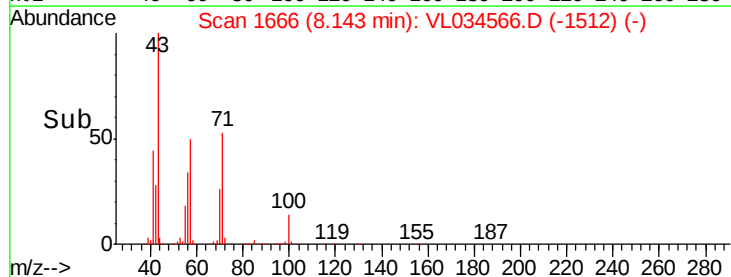
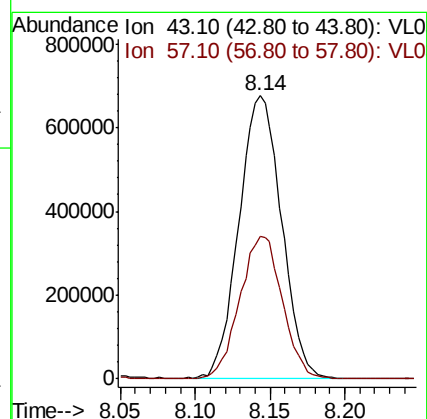
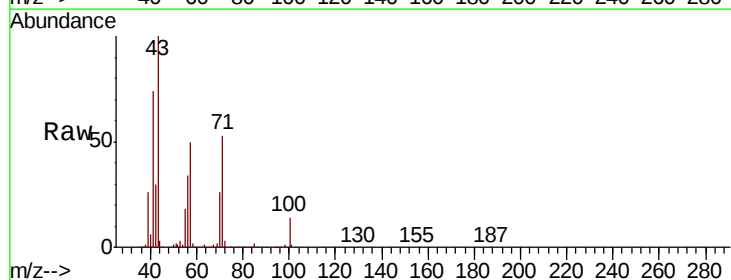
Acq: 27 Jan 2020 20:10

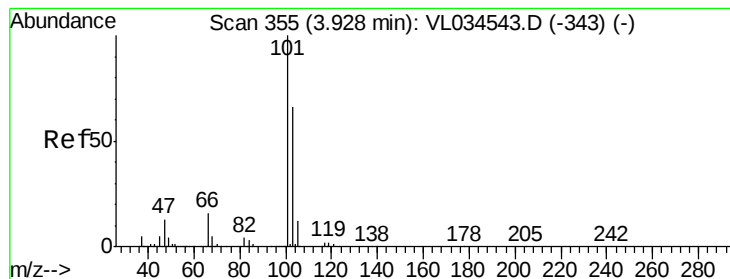
Tgt Ion: 43 Resp: 1338068

Ion Ratio Lower Upper

43 100

57 50.4 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.579 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

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MSVOA_L

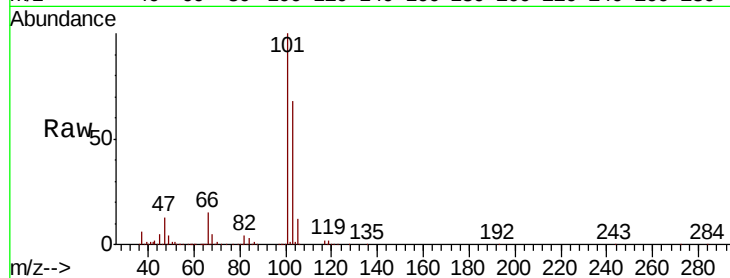
ClientSampled :

Tot Ion:101 Resp: 1962797

Ion Ratio Lower Upper

101 100

103 68.3 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.93

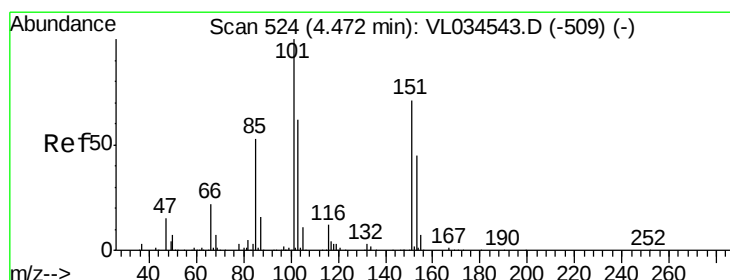
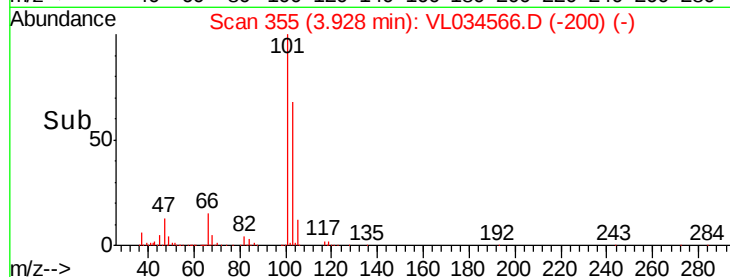
1500000

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.909 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL034566.D

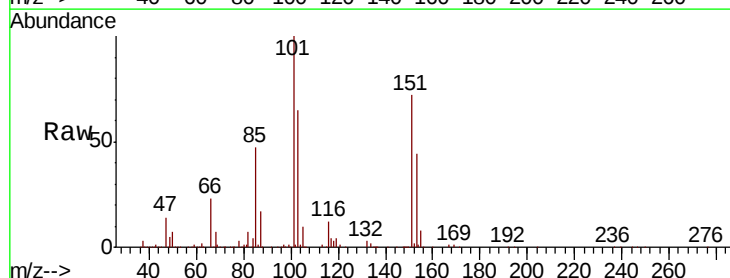
Acq: 27 Jan 2020 20:10

Tgt Ion:101 Resp: 1291463

Ion Ratio Lower Upper

101 100

151 71.2 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.47

800000

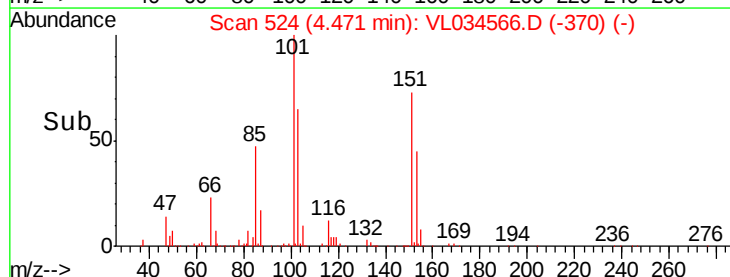
600000

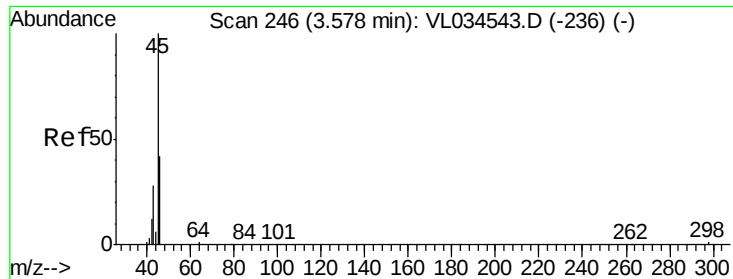
400000

200000

0

Time-->

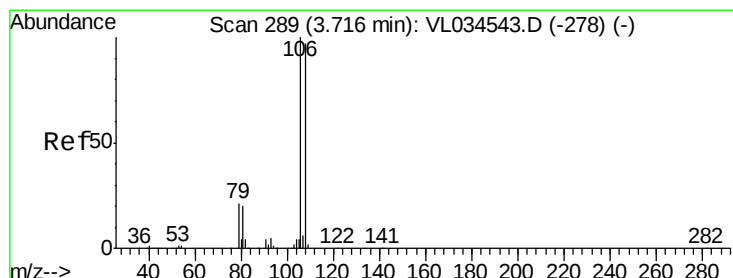
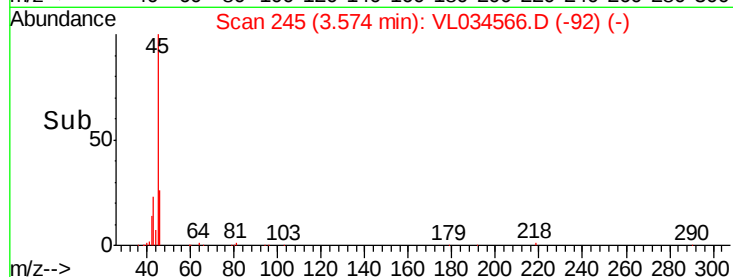
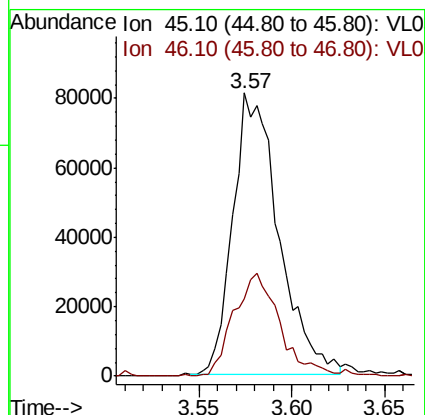
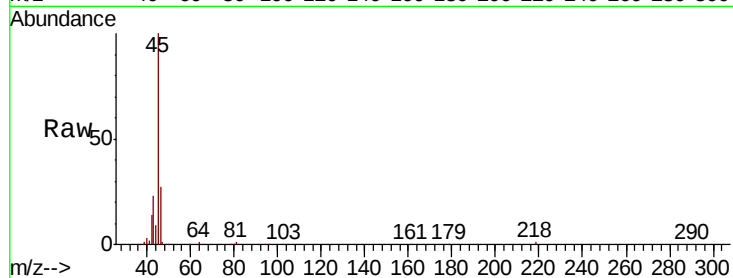




#13
Ethanol
Concen: 9.740 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.01 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

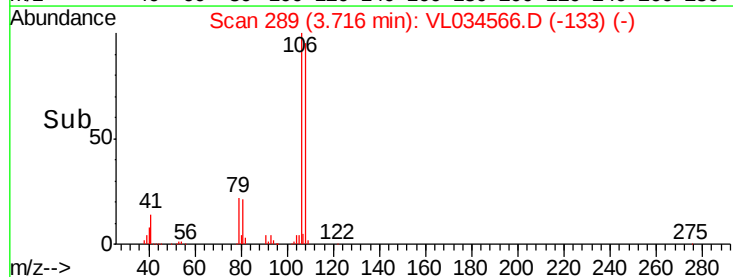
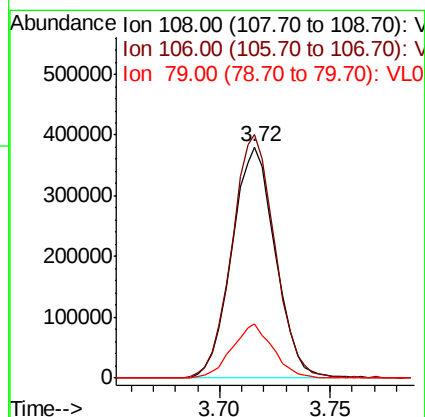
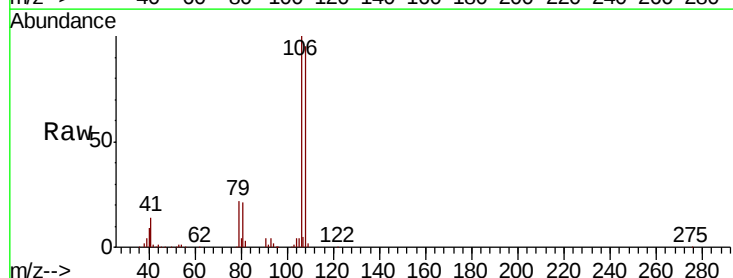
Instrument :
MSVOA_L
ClientSampleId :

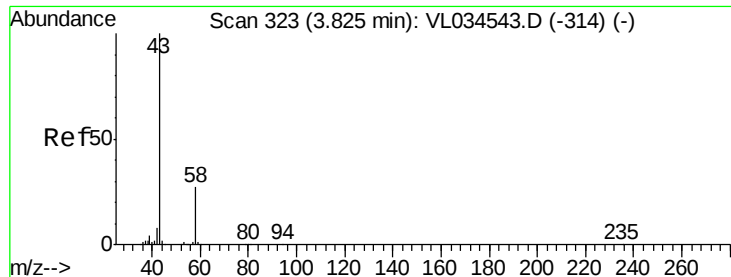
Tot Ion: 45 Resp: 139395
Ion Ratio Lower Upper
45 100
46 37.3 14.9 59.7



#14
Bromoethene
Concen: 9.857 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 108 Resp: 519632
Ion Ratio Lower Upper
108 100
106 105.1 85.2 127.8
79 22.6 17.4 26.2





#15

Acetone

Concen: 8.370 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

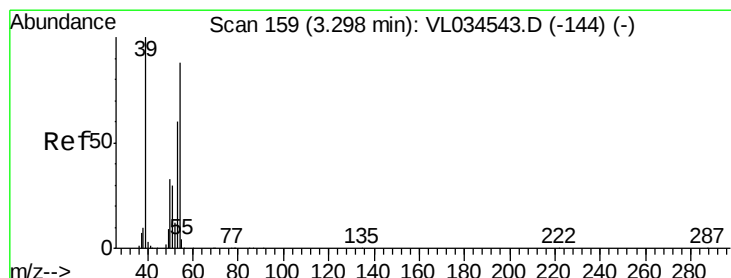
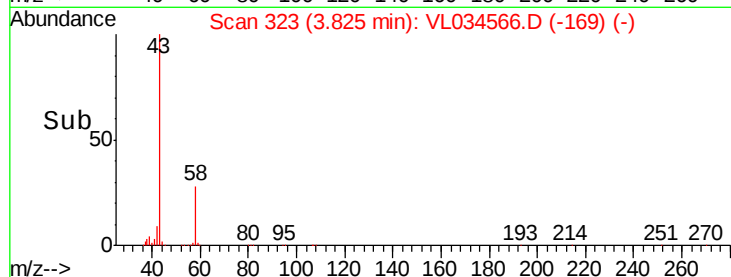
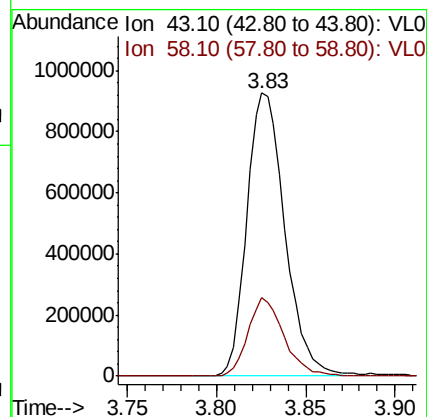
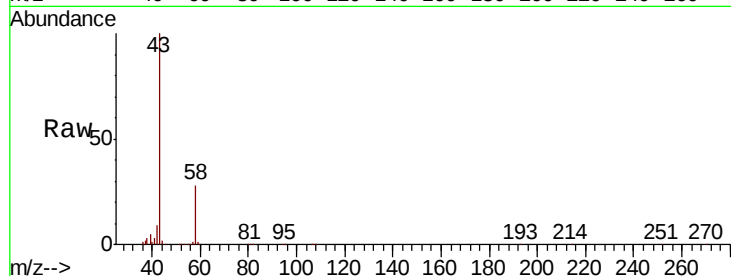
ClientSampleId :

Tot Ion: 43 Resp: 1371521

Ion Ratio Lower Upper

43 100

58 26.5 20.4 30.6



#16

1,3-Butadiene

Concen: 9.882 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.00 min

Lab File: VL034566.D

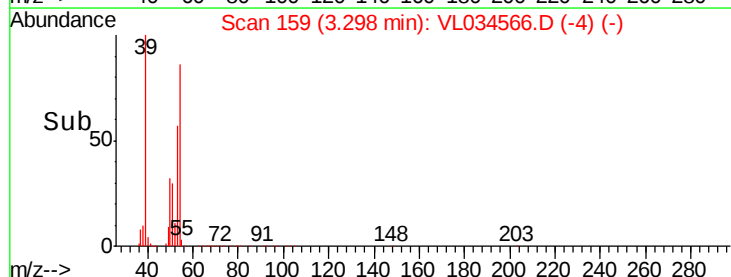
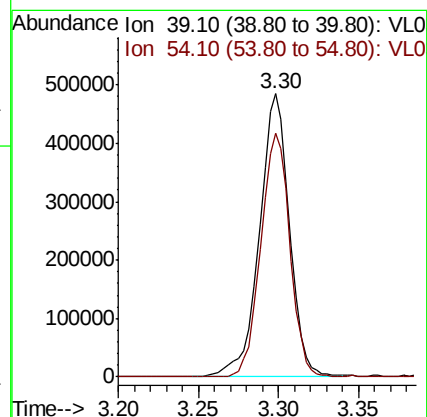
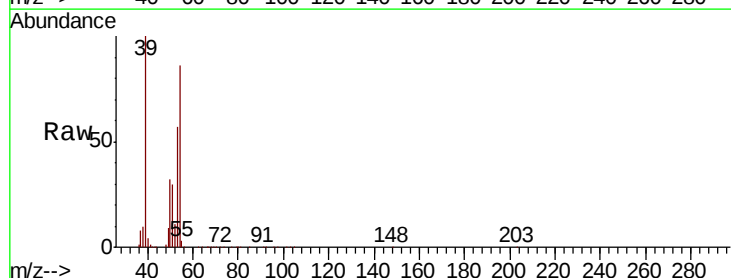
Acq: 27 Jan 2020 20:10

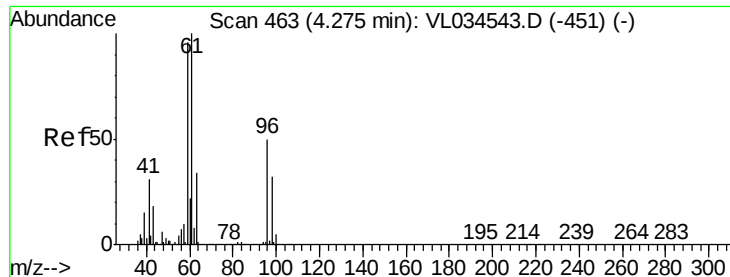
Tgt Ion: 39 Resp: 622838

Ion Ratio Lower Upper

39 100

54 83.8 66.2 99.2

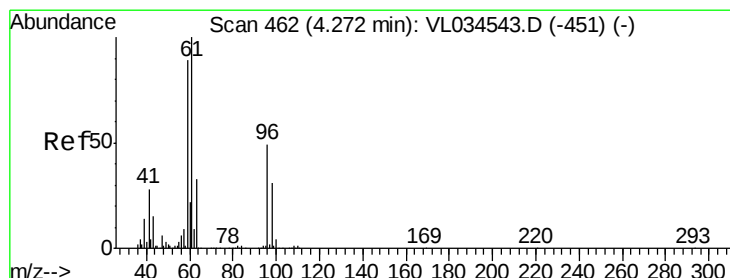
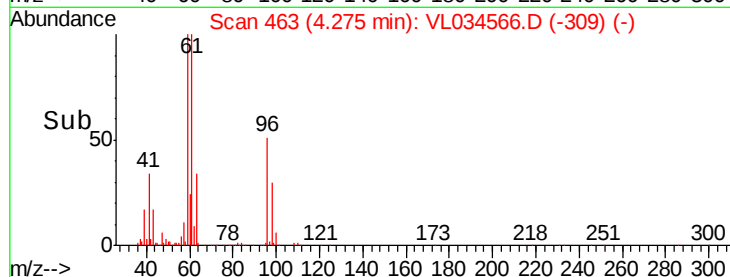
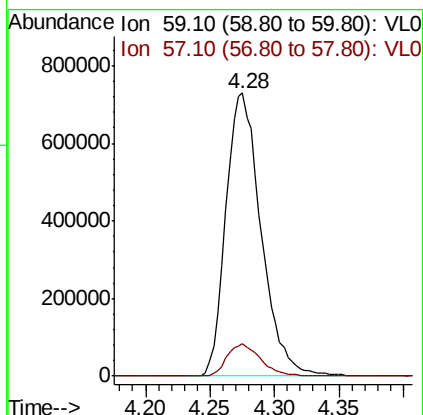
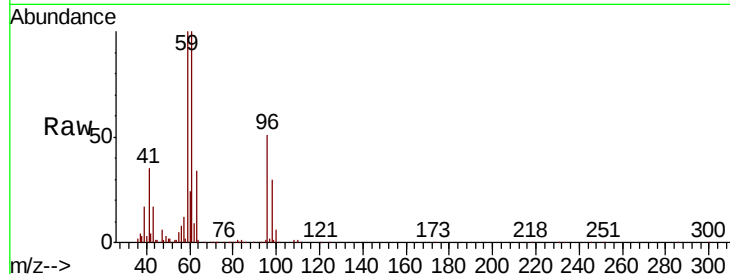




#17
tert-Butyl alcohol
Concen: 10.533 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

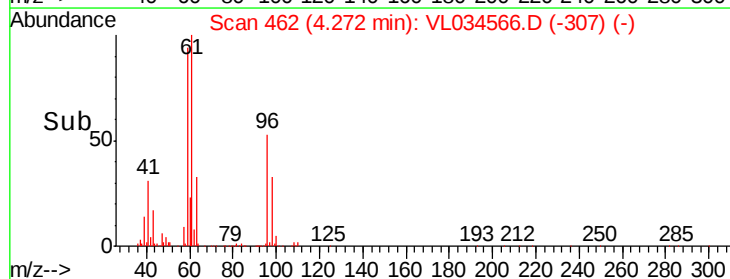
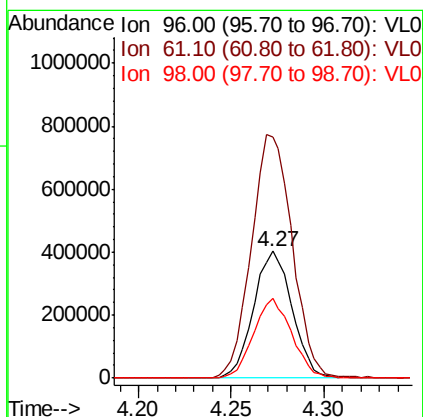
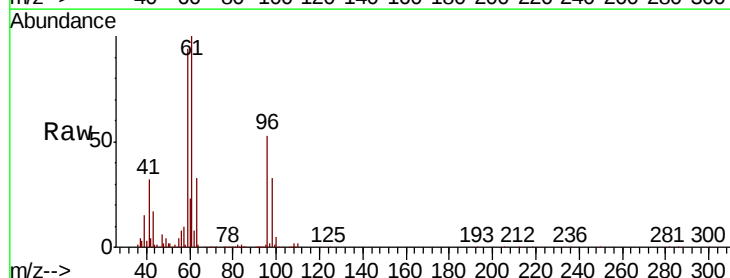
Instrument :
MSVOA_L
ClientSampleId :

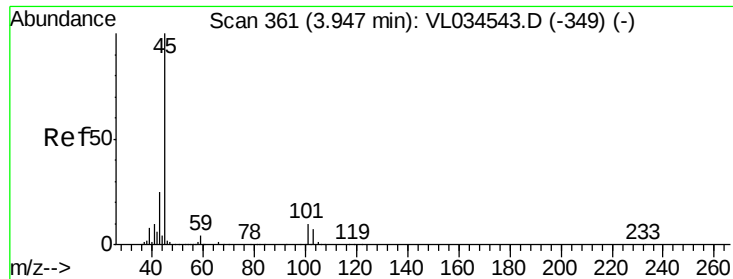
Tot Ion: 59 Resp: 1382034
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8



#18
1,1-Dichloroethene
Concen: 10.236 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 96 Resp: 581140
Ion Ratio Lower Upper
96 100
61 190.1 165.9 248.9
98 63.4 51.9 77.9

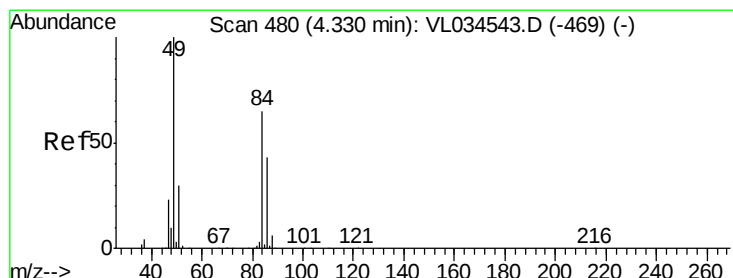
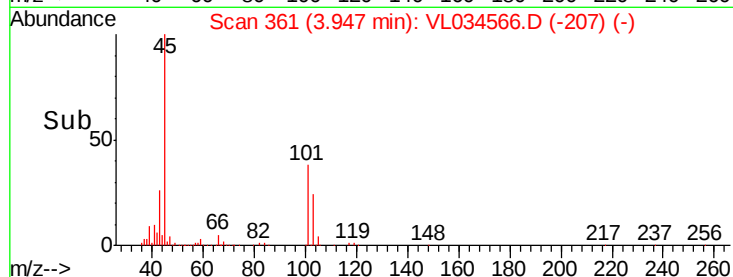
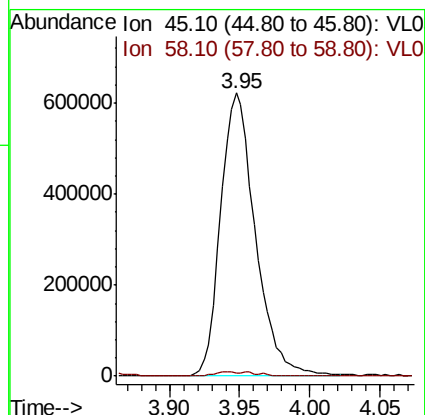
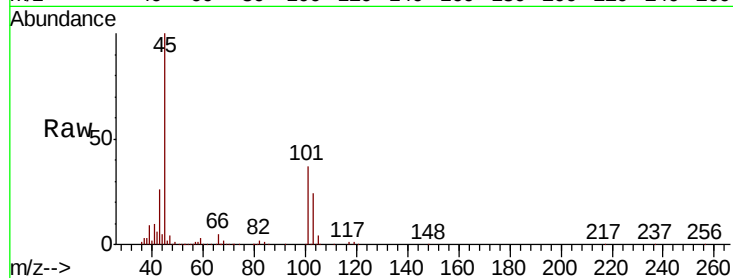




#19
Isopropyl Alcohol
Concen: 10.050 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

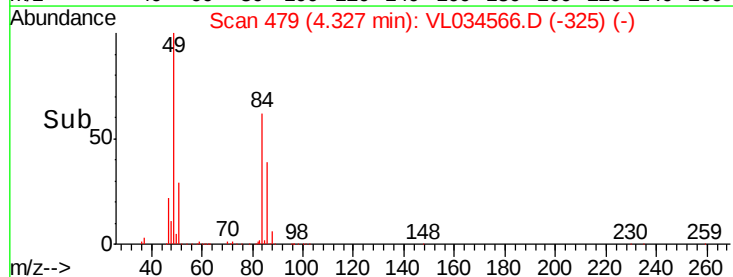
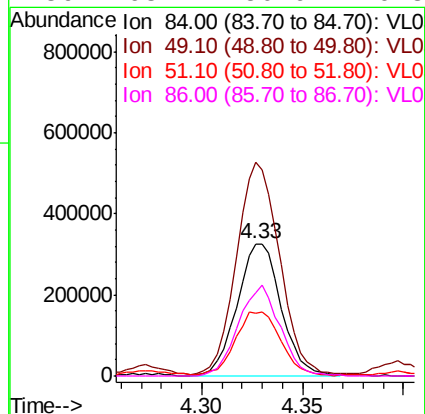
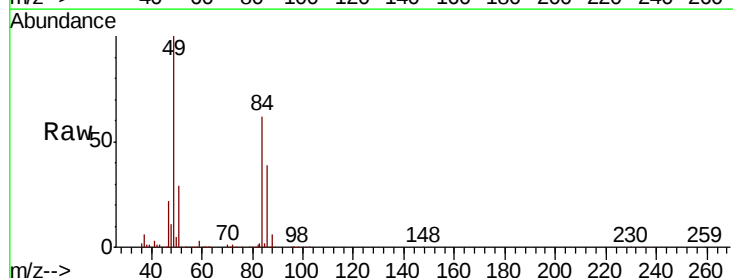
Instrument :
MSVOA_L
ClientSampleId :

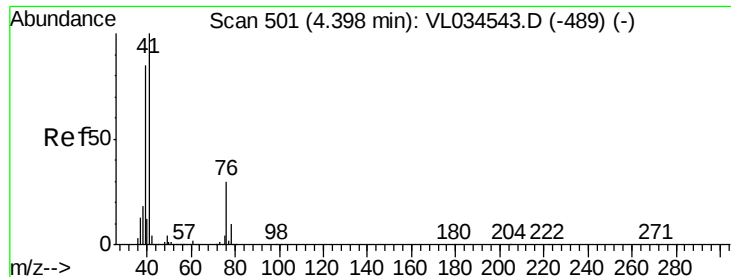
Tot Ion: 45 Resp: 1066093
Ion Ratio Lower Upper
45 100
58 1.9 1.4 2.0



#20
Methylene Chloride
Concen: 7.682 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 84 Resp: 495313
Ion Ratio Lower Upper
84 100
49 161.1 124.4 186.6
51 47.0 37.0 55.6
86 63.1 50.9 76.3

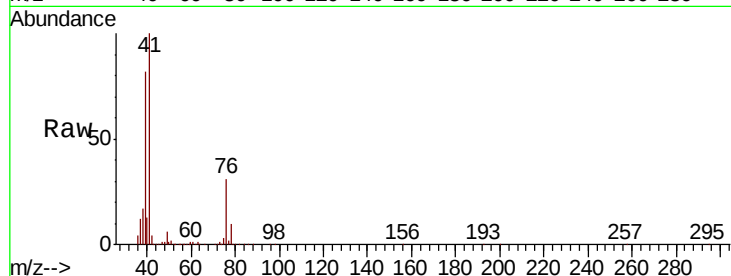




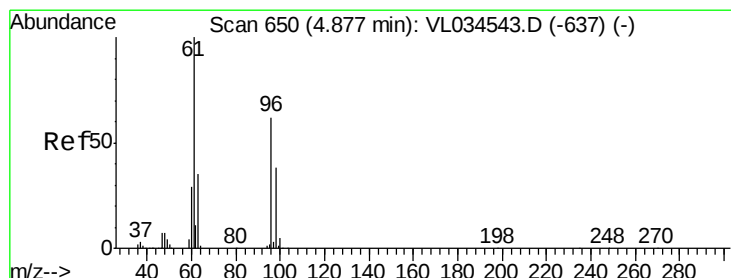
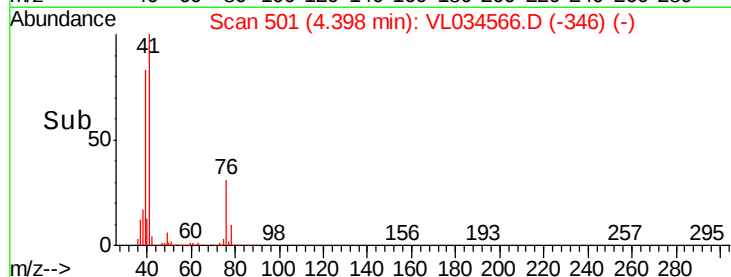
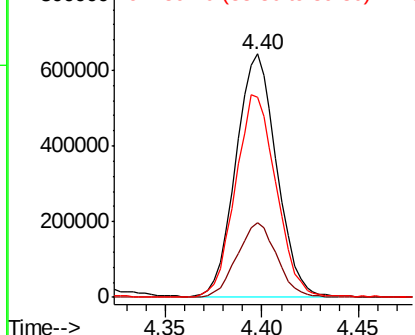
#21
Allvl Chloride
Concen: 9.951 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 937251
Ion Ratio Lower Upper
41 100
76 30.2 24.2 36.4
39 83.5 65.8 98.6

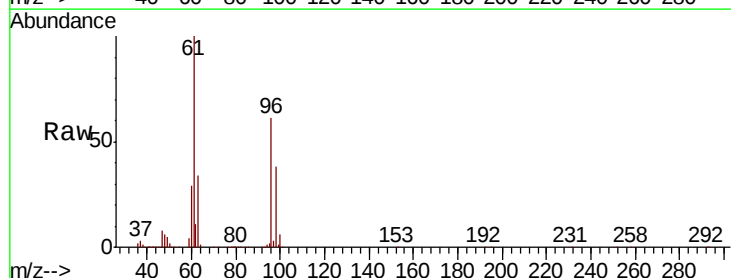


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

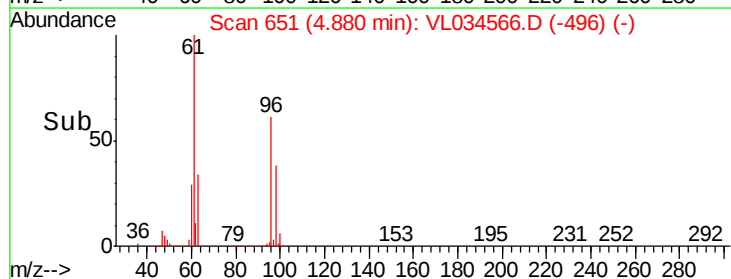
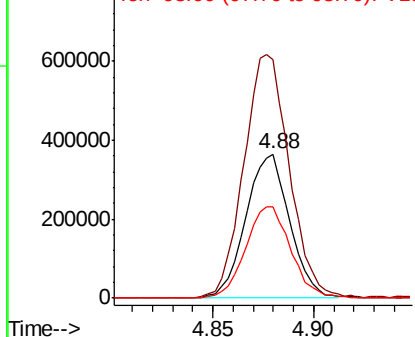


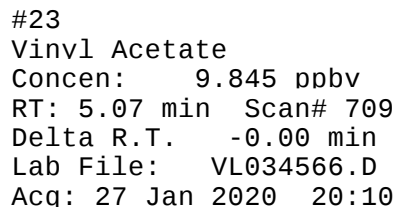
#22
trans-1,2-Dichloroethene
Concen: 9.637 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 96 Resp: 556509
Ion Ratio Lower Upper
96 100
61 164.8 128.4 192.6
98 62.9 50.6 75.8

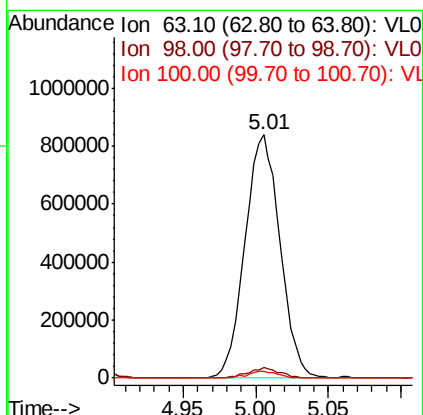
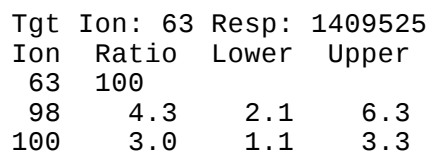
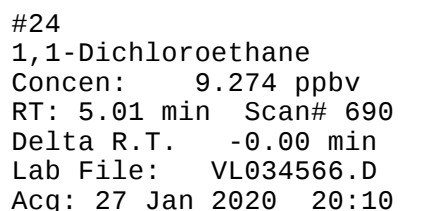
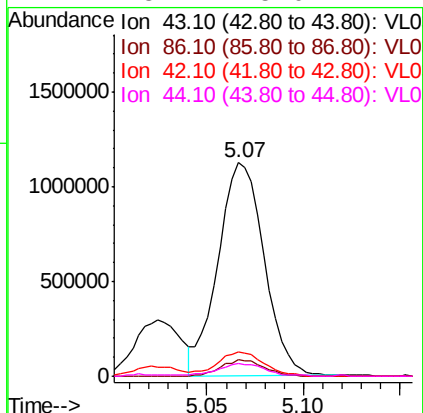
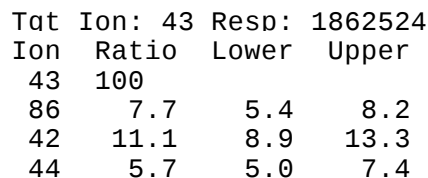


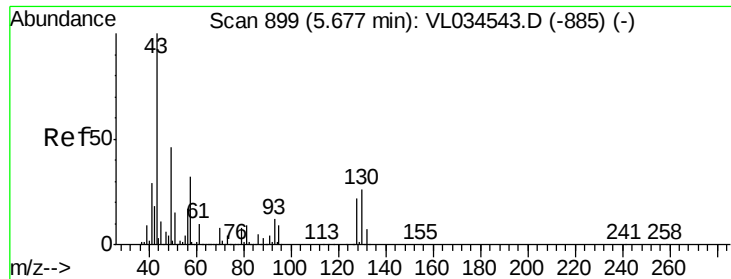
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





Instrument :
MSVOA_L
ClientSampleId :



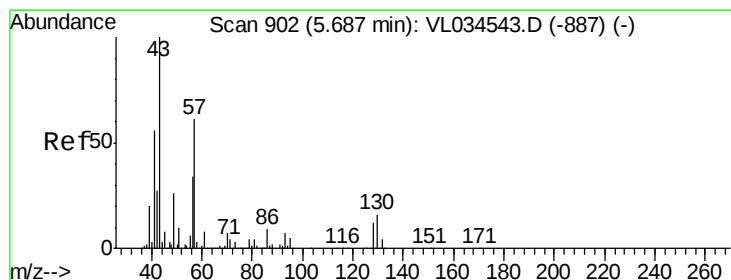
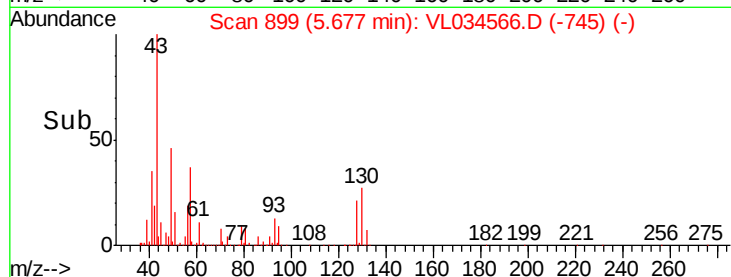
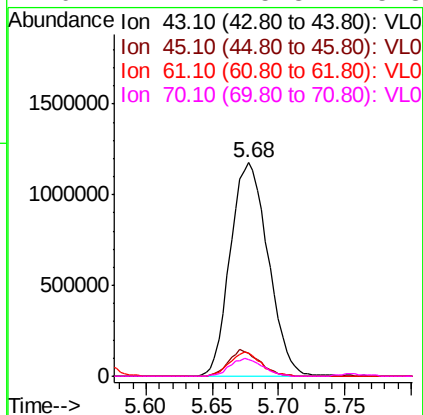
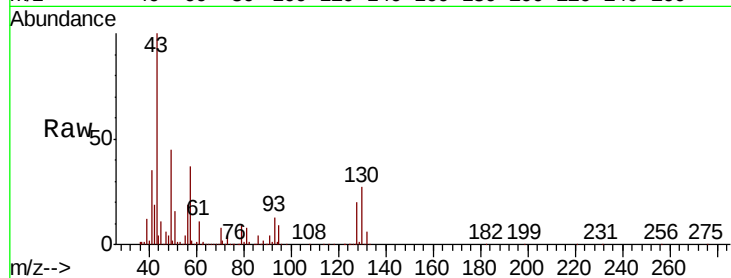


#25
Ethyl Acetate
Concen: 9.118 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2333321

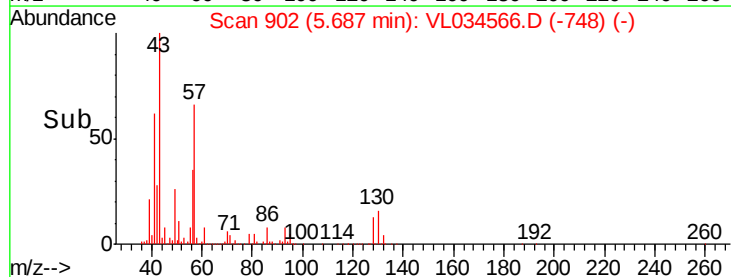
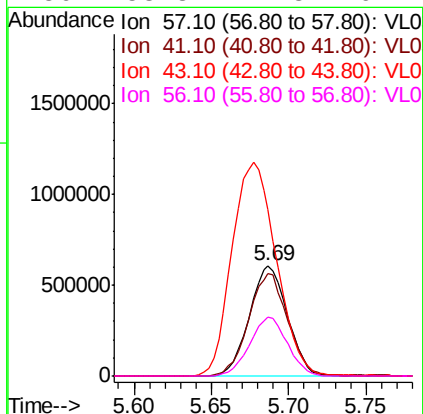
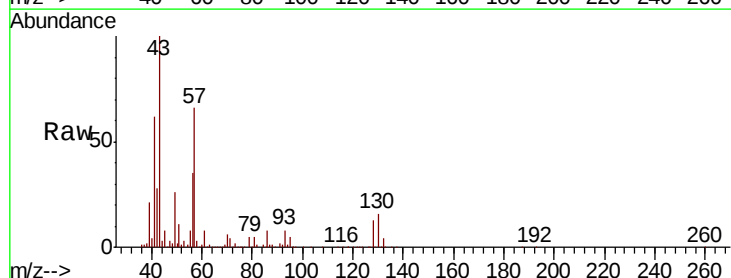
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.7	7.8	11.6
70	7.2	5.8	8.8

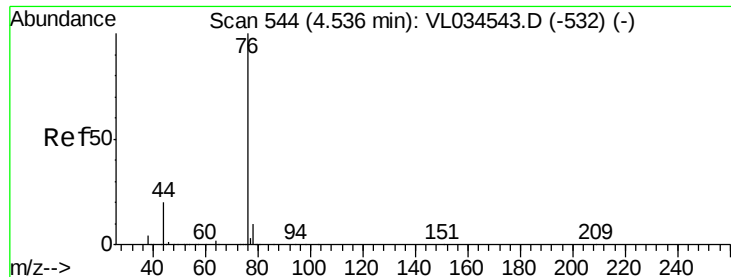


#26
Hexane
Concen: 9.596 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 57 Resp: 1034708

Ion	Ratio	Lower	Upper
57	100		
41	96.0	75.3	112.9
43	226.2	189.4	284.2
56	53.3	42.8	64.2





#27

Carbon Disulfide

Concen: 10.584 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampleId :

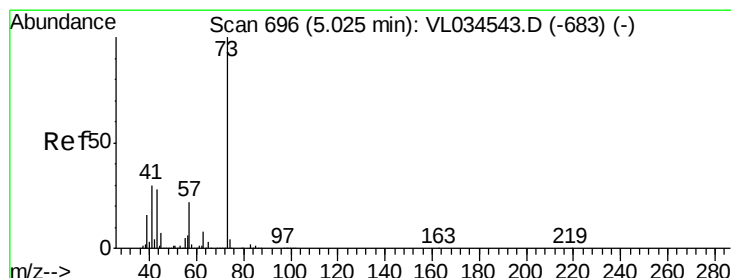
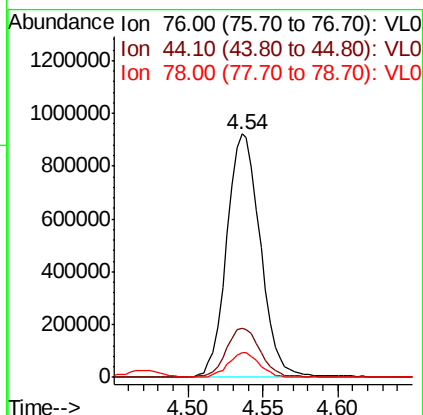
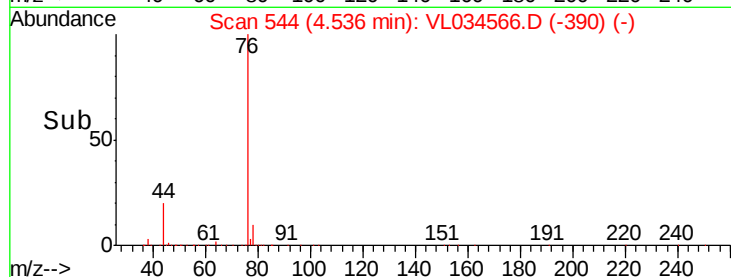
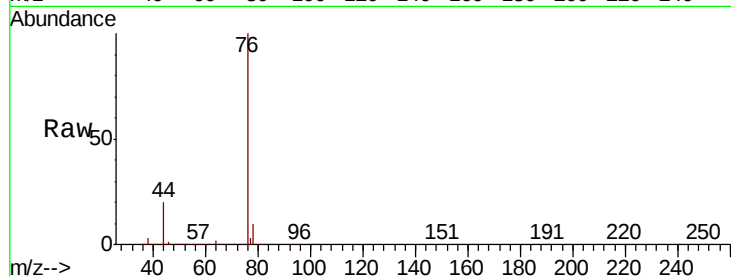
Tot Ion: 76 Resp: 1442551

Ion Ratio Lower Upper

76 100

44 20.2 16.6 25.0

78 9.8 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.750 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL034566.D

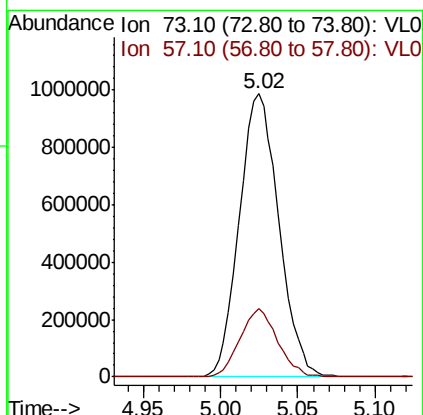
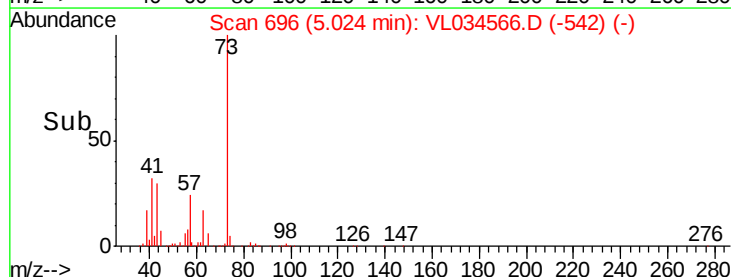
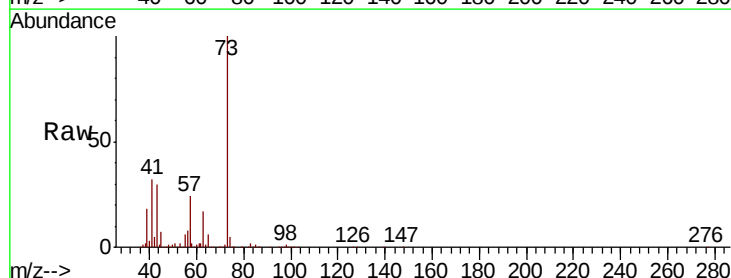
Acq: 27 Jan 2020 20:10

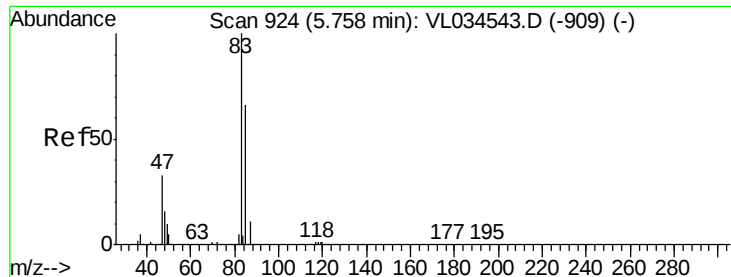
Tgt Ion: 73 Resp: 1755972

Ion Ratio Lower Upper

73 100

57 23.0 18.2 27.2

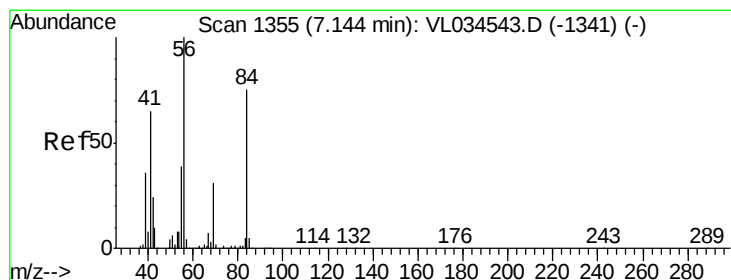
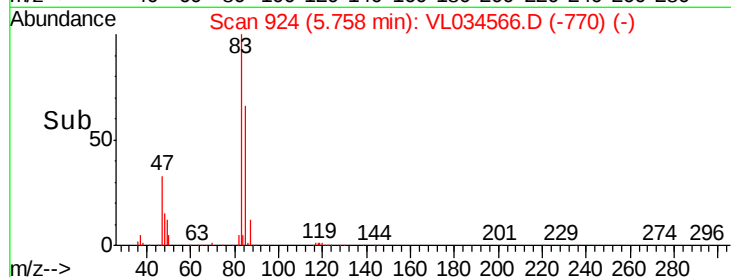
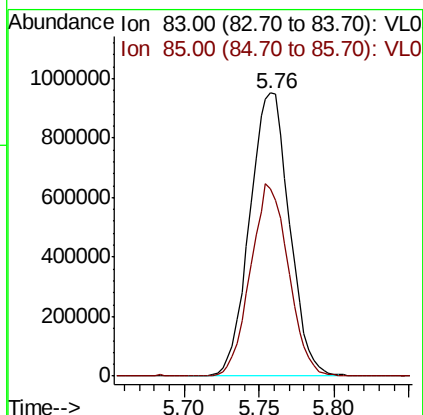
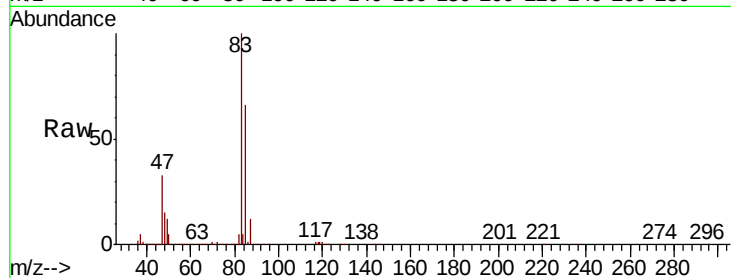




#29
Chloroform
Concen: 9.408 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

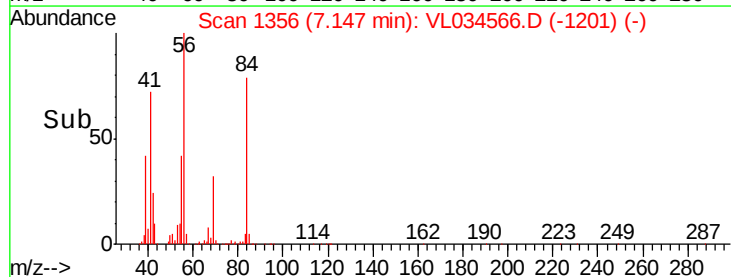
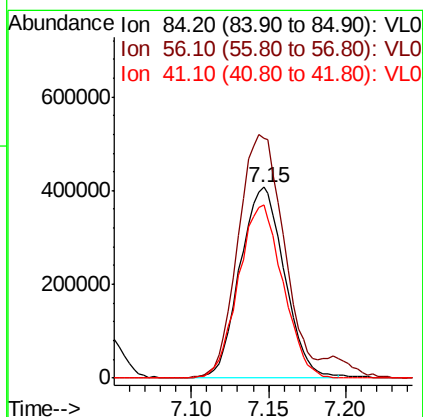
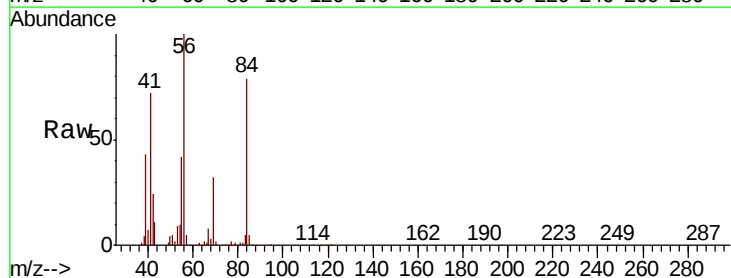
Instrument :
MSVOA_L
ClientSampled :

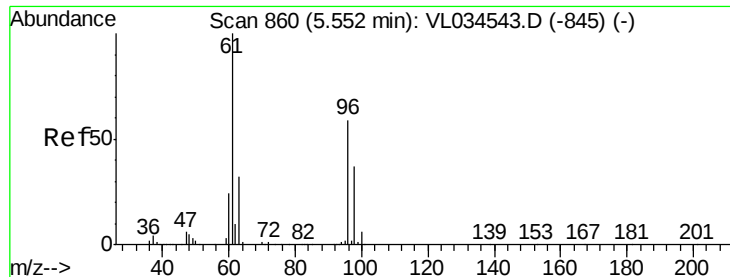
Tot Ion: 83 Resp: 1755343
Ion Ratio Lower Upper
83 100
85 66.2 51.0 76.6



#30
Cyclohexane
Concen: 10.159 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 84 Resp: 814208
Ion Ratio Lower Upper
84 100
56 139.6 112.7 169.1
41 90.9 73.0 109.4



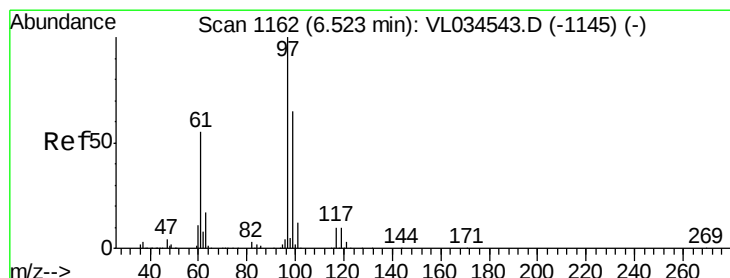
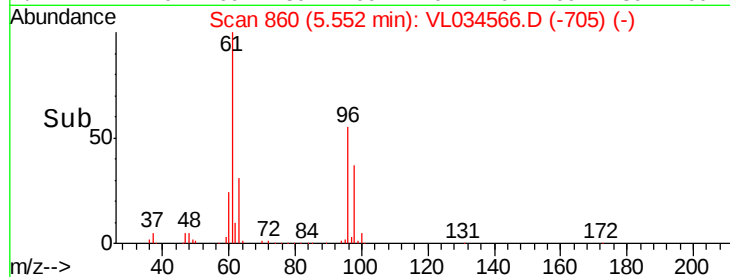
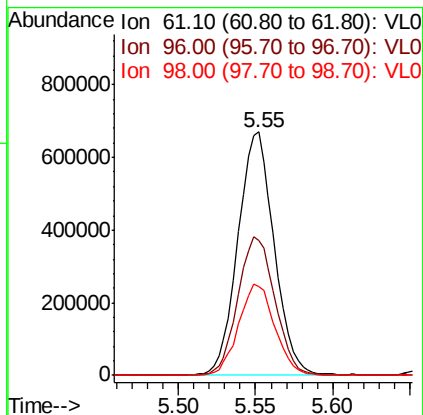
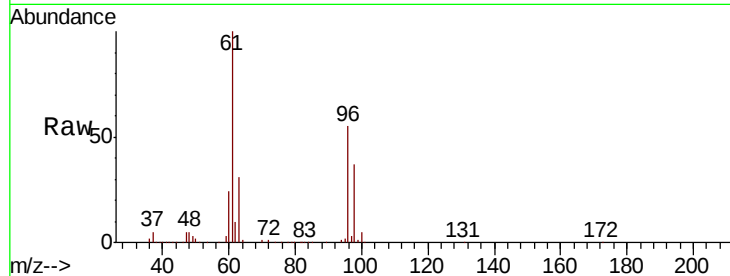


#31

cis-1,2-Dichloroethene
 Concen: 9.929 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Instrument :
 MSVOA_L
 ClientSampled :

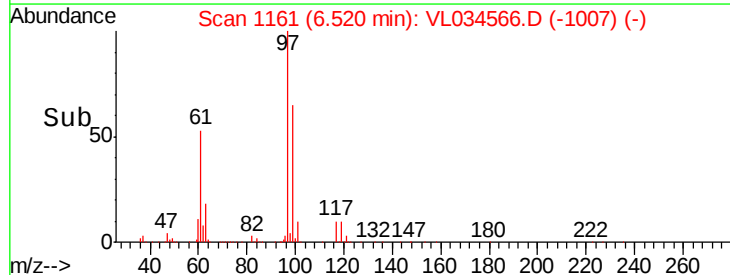
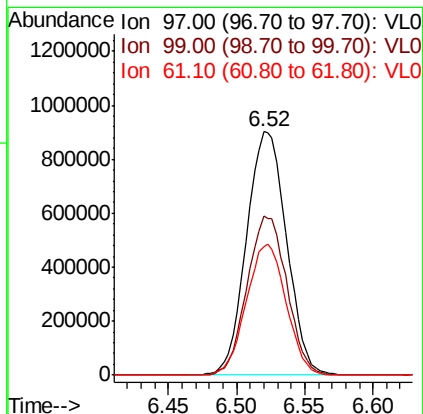
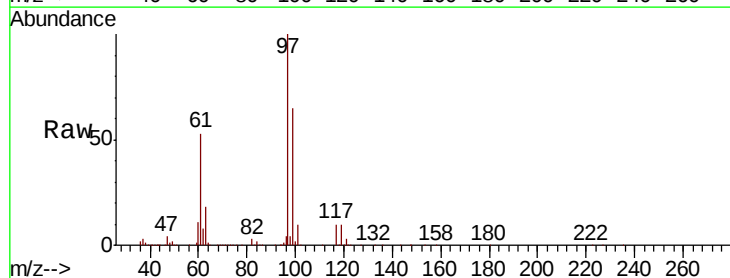
Tot Ion: 61 Resp: 1091028
 Ion Ratio Lower Upper
 61 100
 96 55.4 47.1 70.7
 98 36.5 31.0 46.6

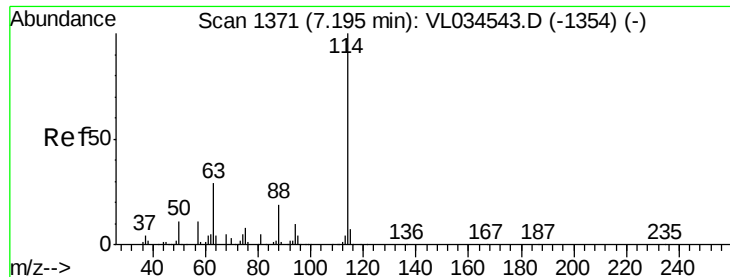


#32

1,1,1-Trichloroethane
 Concen: 9.512 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Tgt Ion: 97 Resp: 1842269
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.7 77.5
 61 53.3 42.9 64.3

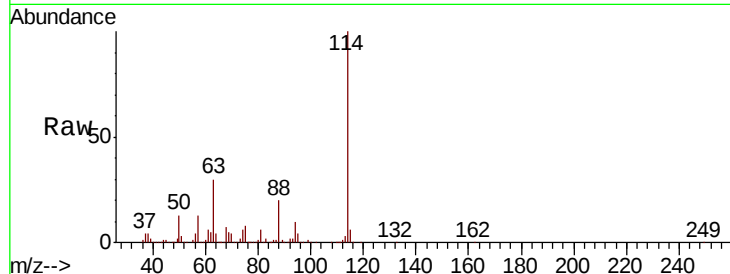




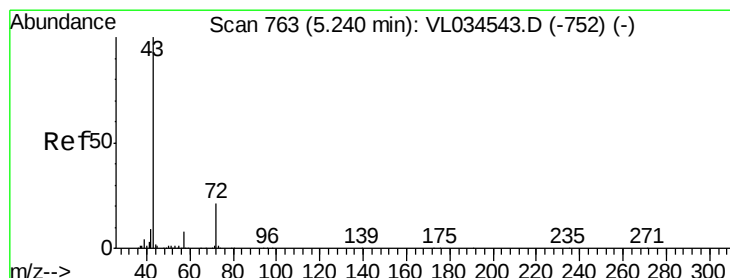
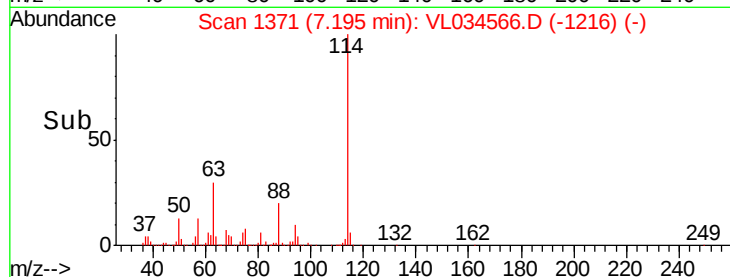
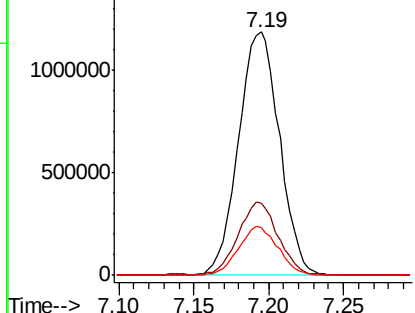
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2261076
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.1 36.1
 88 19.4 15.7 23.5

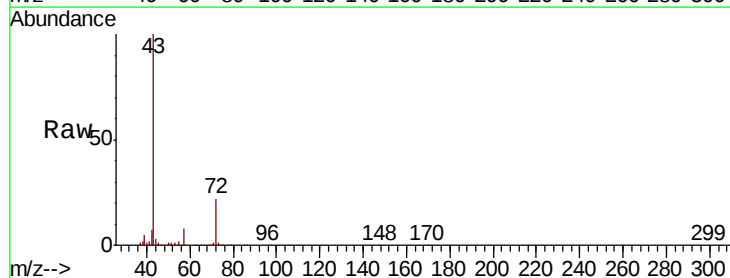


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

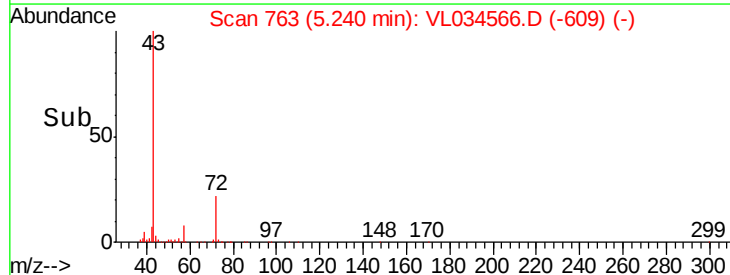
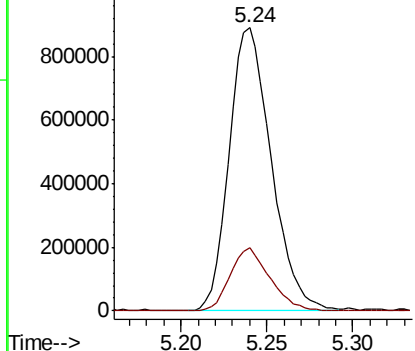


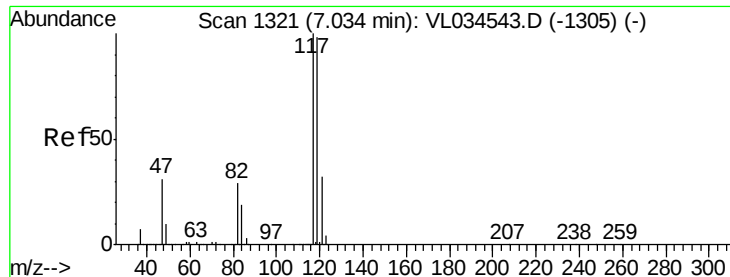
#34
 2-Butanone
 Concen: 9.382 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Tgt Ion: 43 Resp: 1515991
 Ion Ratio Lower Upper
 43 100
 72 21.3 17.0 25.4



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





#35

Carbon Tetrachloride

Concen: 9.680 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampleId :

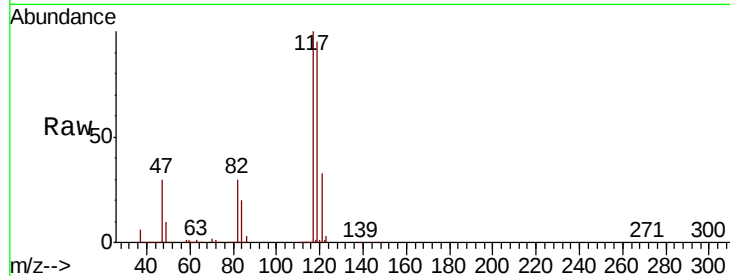
Tot Ion:117 Resp: 1984970

Ion Ratio Lower Upper

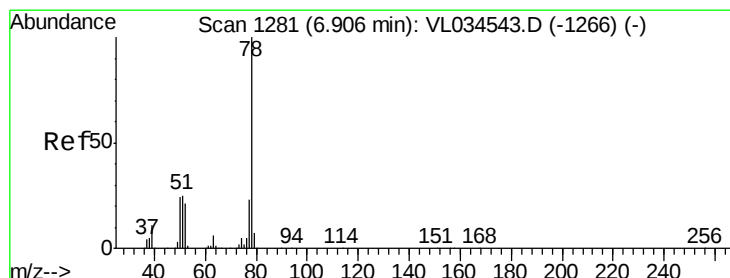
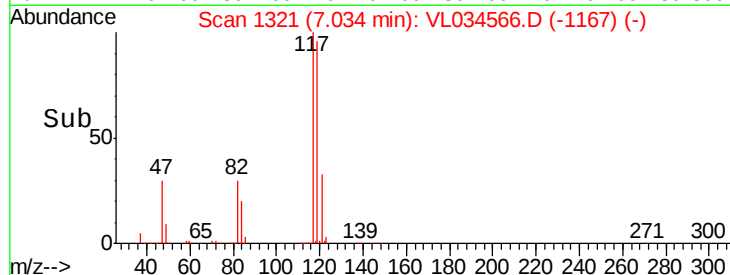
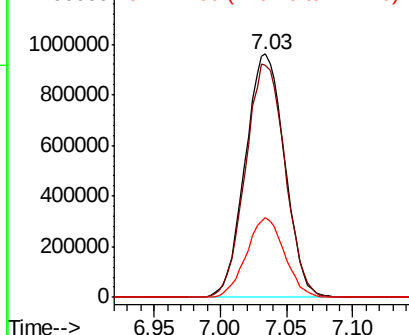
117 100

119 95.4 78.7 118.1

121 32.8 25.9 38.9



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: 9.678 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

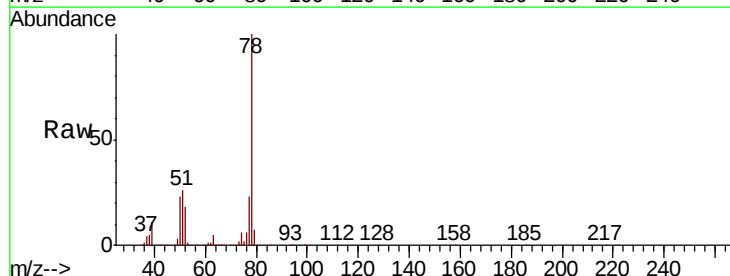
Tgt Ion: 78 Resp: 1907527

Ion Ratio Lower Upper

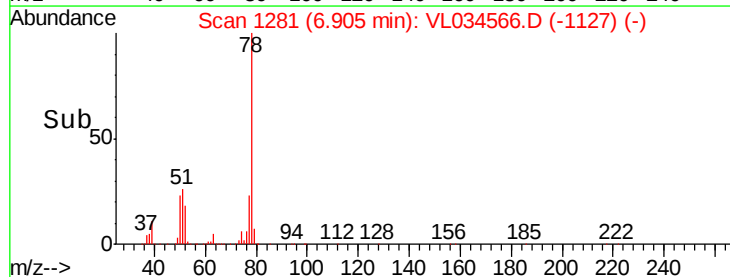
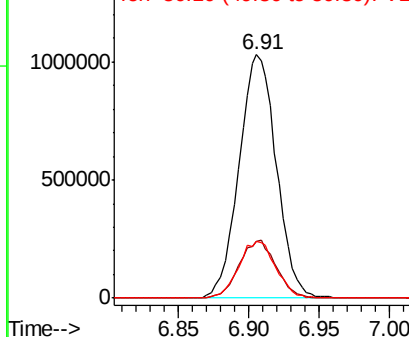
78 100

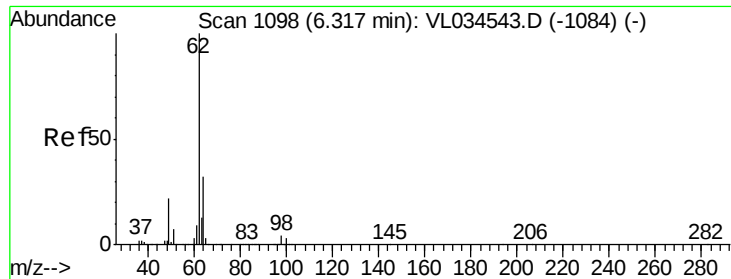
77 23.5 18.6 28.0

50 23.5 18.8 28.2



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

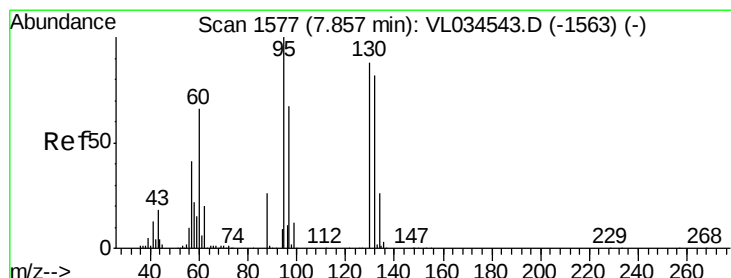
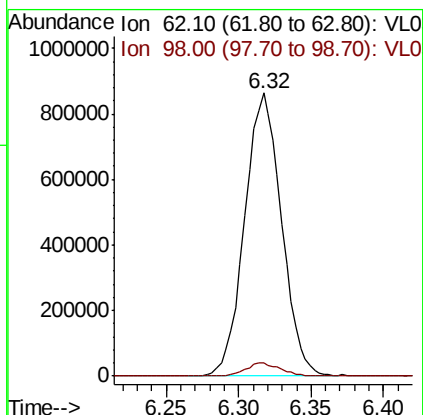
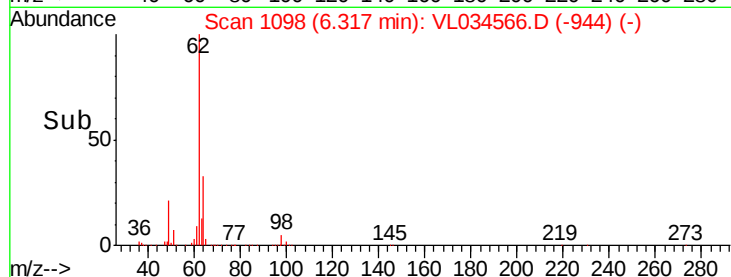
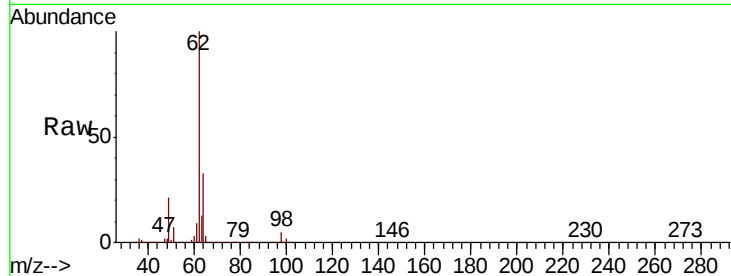




#37
 1,2-Dichloroethane
 Concen: 9.555 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

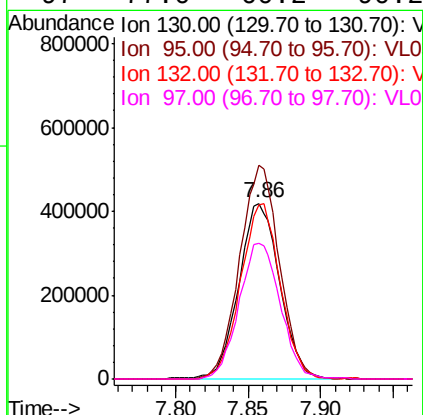
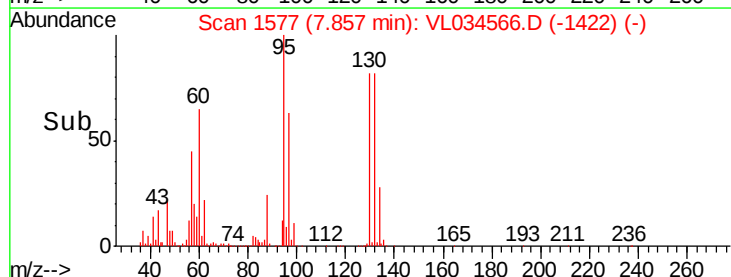
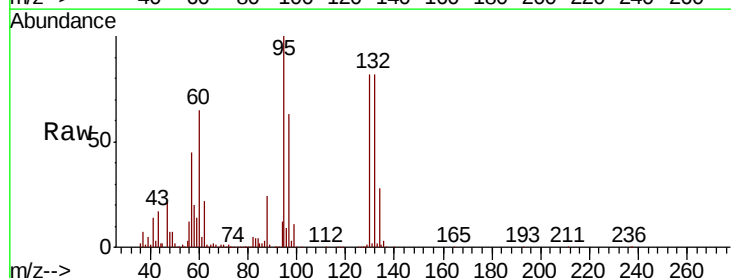
Instrument :
 MSVOA_L
 ClientSampleID :

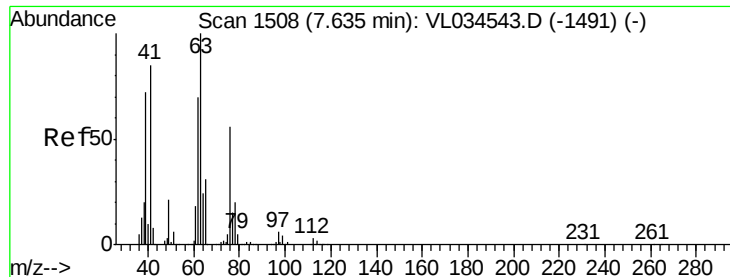
Tot Ion: 62 Resp: 1529296
 Ion Ratio Lower Upper
 62 100
 98 4.4 3.8 5.6



#38
 Trichloroethene
 Concen: 10.298 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Tgt Ion:130 Resp: 819883
 Ion Ratio Lower Upper
 130 100
 95 121.5 94.2 141.2
 132 99.1 76.1 114.1
 97 77.0 60.2 90.2





#39

1,2-Dichloropropane

Concen: 9.673 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampled :

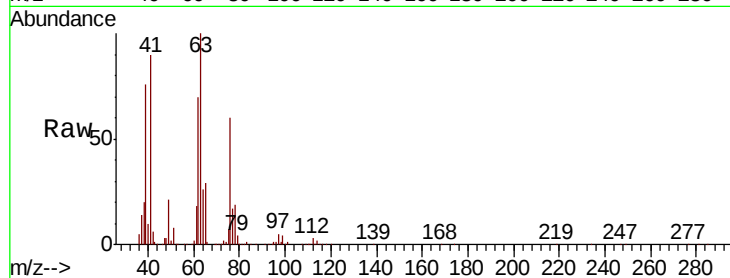
Tot Ion: 63 Resp: 783961

Ion Ratio Lower Upper

63 100

41 89.9 66.1 99.1

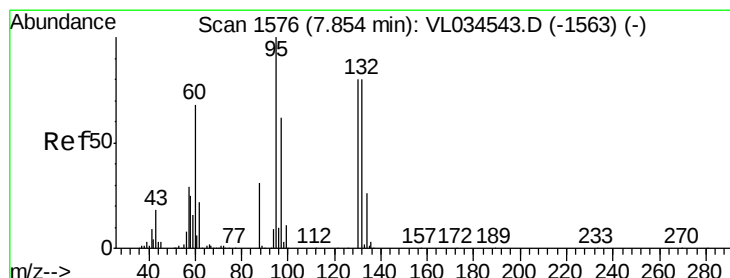
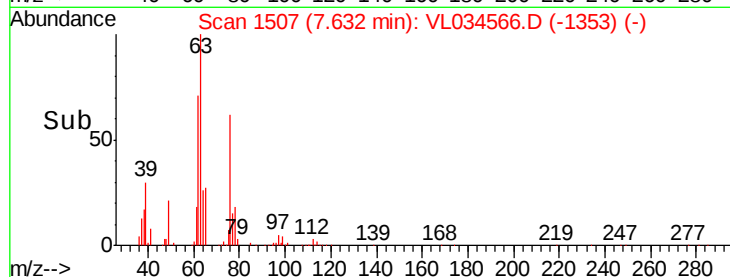
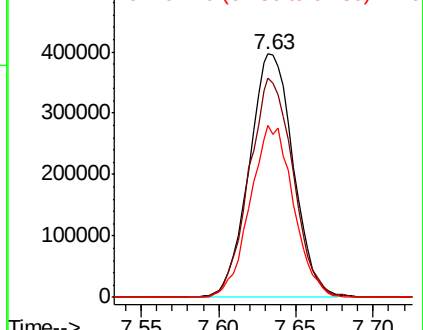
62 70.4 54.9 82.3



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: 9.558 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Tgt Ion: 88 Resp: 313516

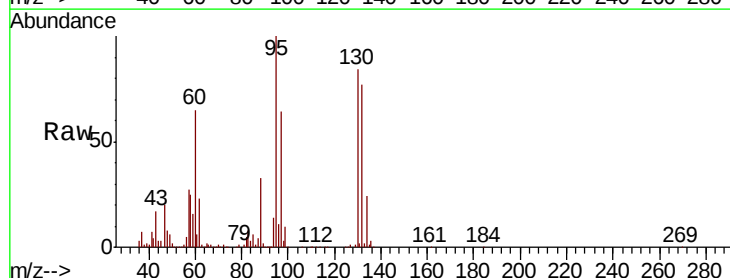
Ion Ratio Lower Upper

88 100

58 133.2 107.9 161.9

43 0.0 0.0 0.0

57 0.0 0.0 0.0

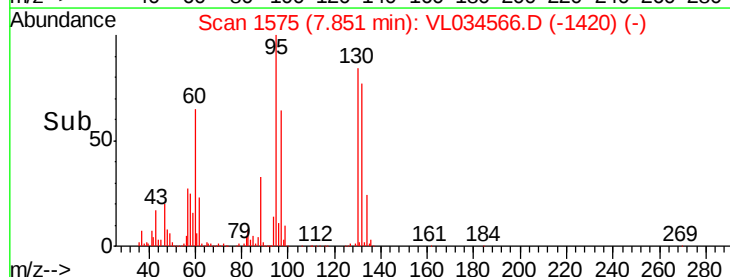
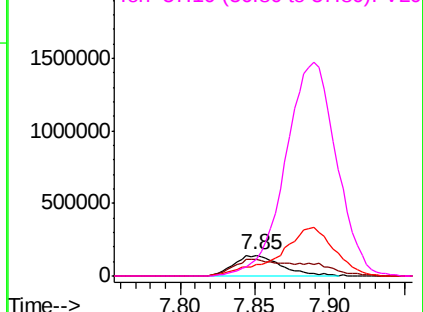


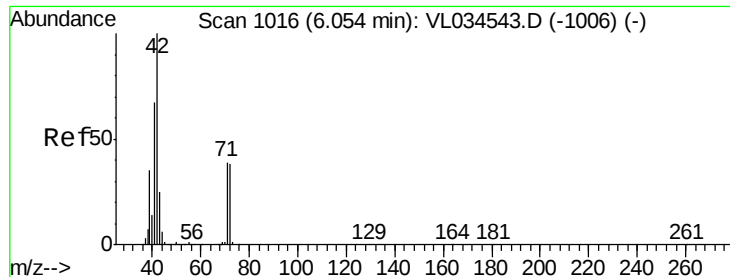
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.925 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampleId :

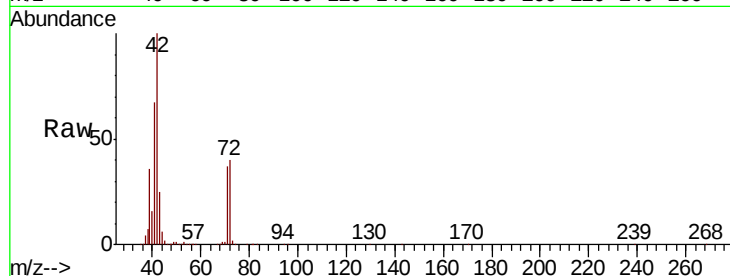
Tot Ion: 42 Resp: 822683

Ion Ratio Lower Upper

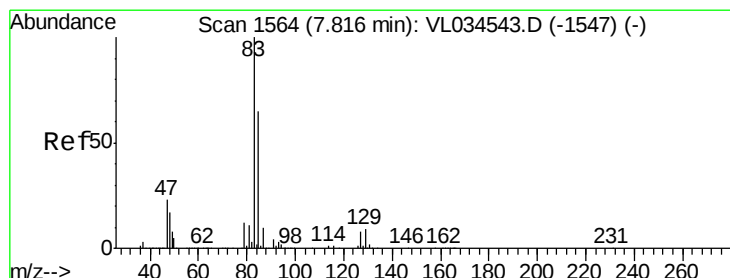
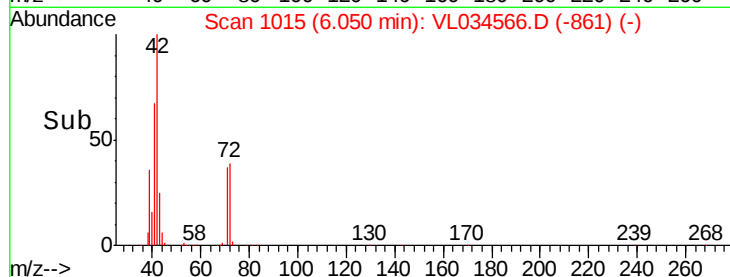
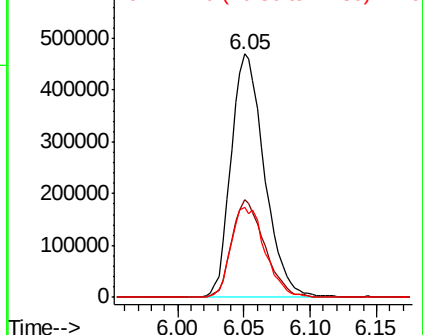
42 100

72 39.6 30.9 46.3

71 37.7 28.9 43.3



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: 9.967 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

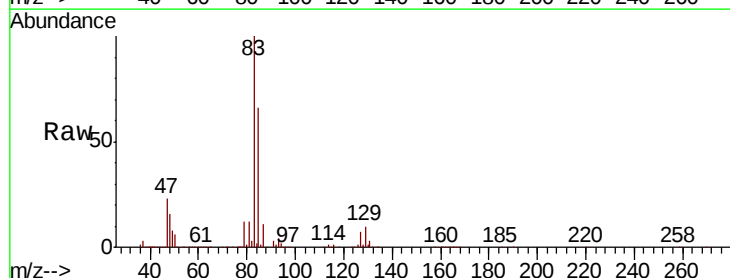
Tgt Ion: 83 Resp: 1962992

Ion Ratio Lower Upper

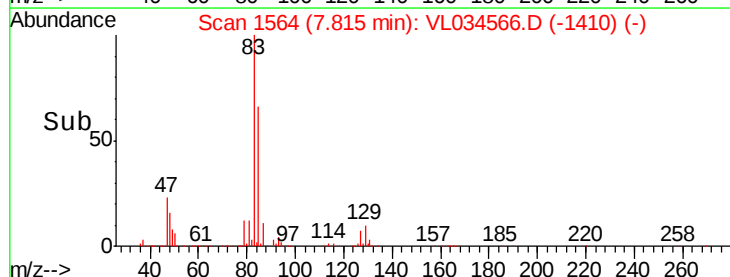
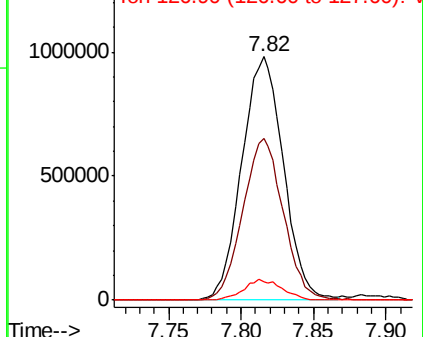
83 100

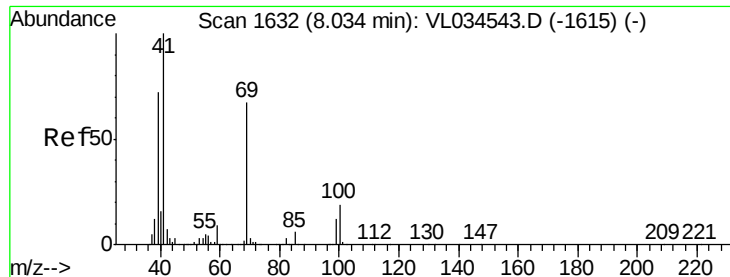
85 66.4 49.4 74.2

127 7.4 6.2 9.4



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

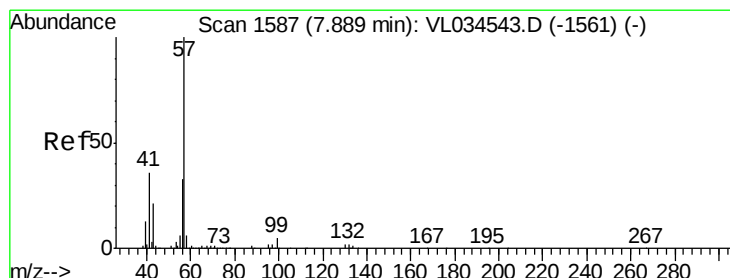
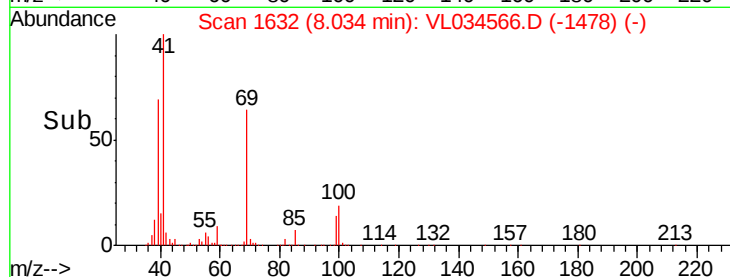
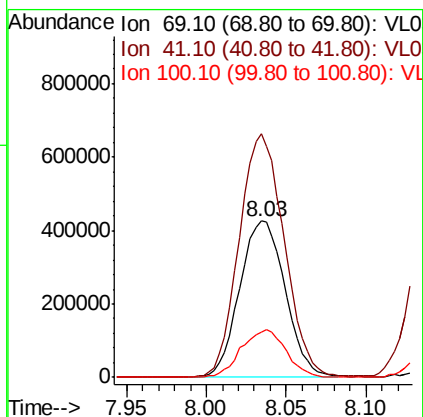
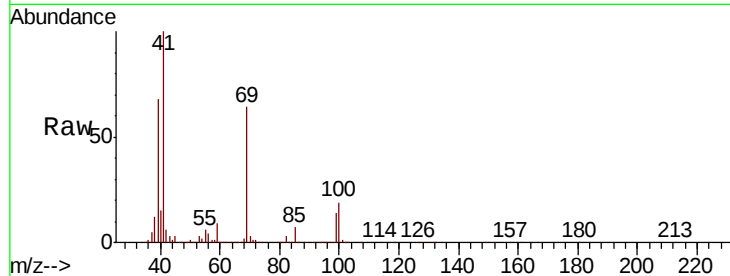




#43
Methvl Methacrvlate
Concen: 10.304 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

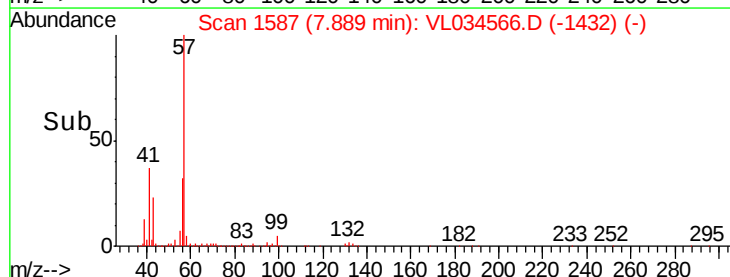
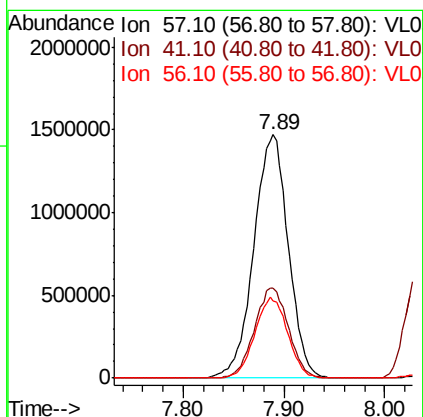
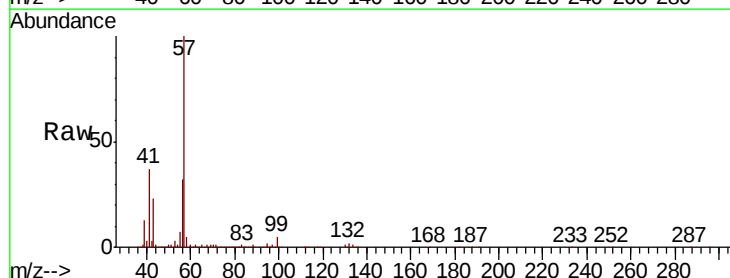
Instrument :
MSVOA_L
ClientSampleId :

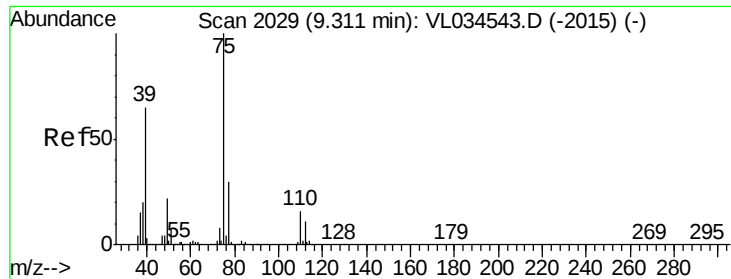
Tot Ion: 69 Resp: 828453
Ion Ratio Lower Upper
69 100
41 153.8 124.0 186.0
100 30.0 23.1 34.7



#44
2,2,4-Trimethylpentane
Concen: 9.557 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 57 Resp: 3484679
Ion Ratio Lower Upper
57 100
41 36.5 29.0 43.4
56 31.6 24.9 37.3

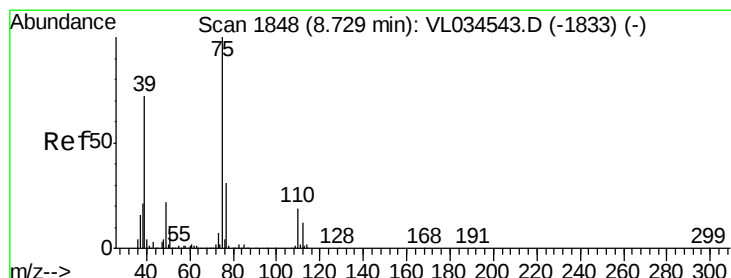
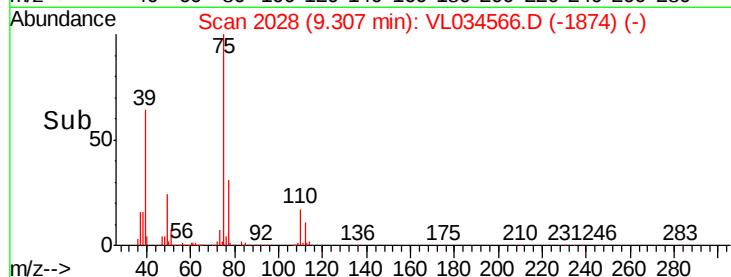
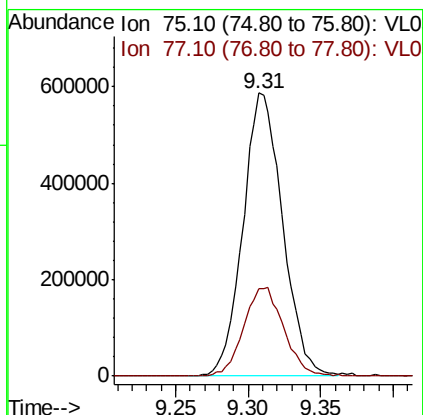
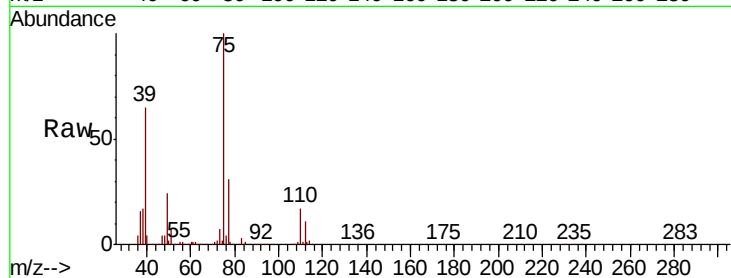




#45
 t-1,3-Dichloropropene
 Concen: 10.786 ppbv
 RT: 9.31 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

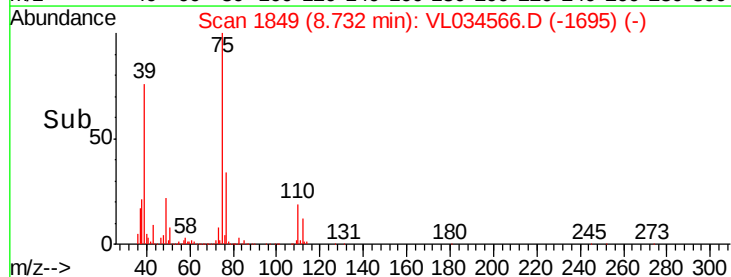
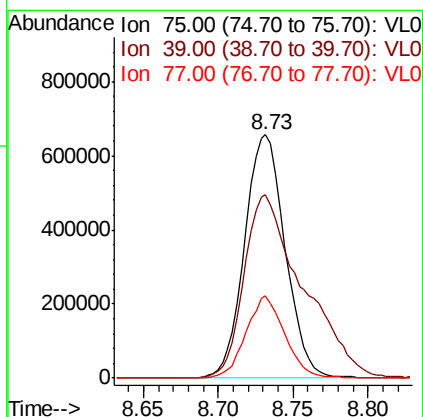
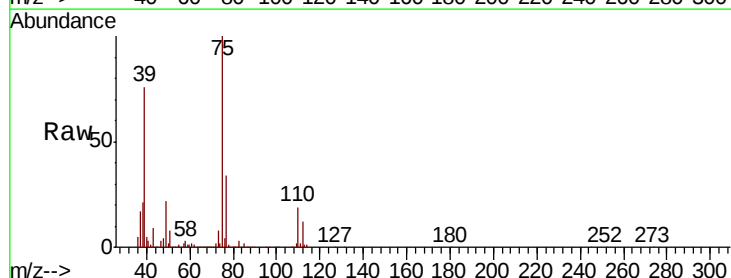
Instrument :
 MSVOA_L
 ClientSampleId :

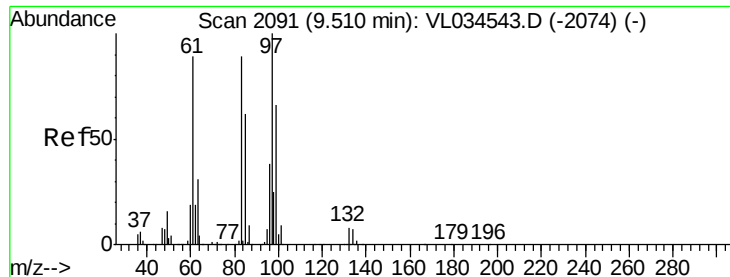
Tot Ion: 75 Resp: 1117056
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.2 36.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.457 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Tgt Ion: 75 Resp: 1237976
 Ion Ratio Lower Upper
 75 100
 39 75.6 60.5 90.7
 77 33.9 24.8 37.2

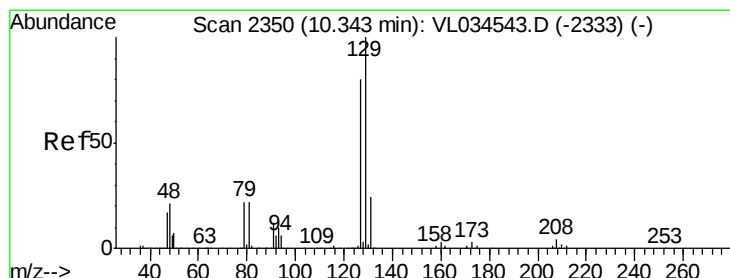
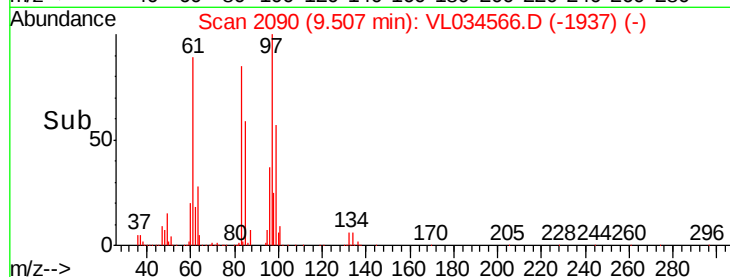
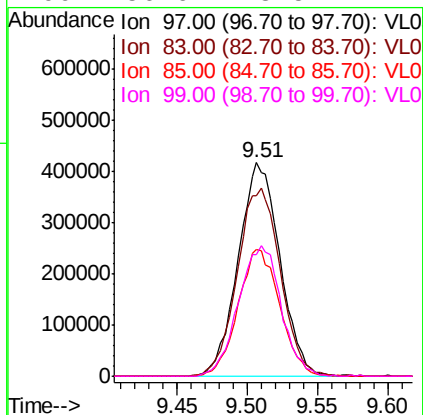
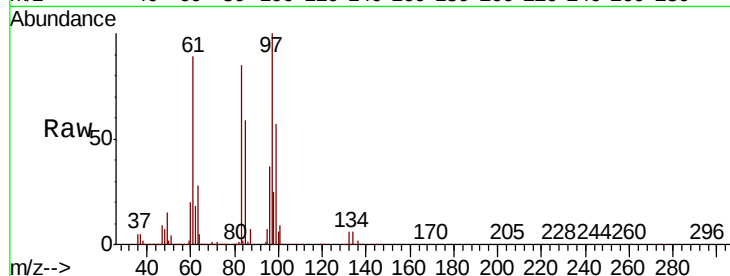




#47
 1,1,2-Trichloroethane
 Concen: 9.637 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

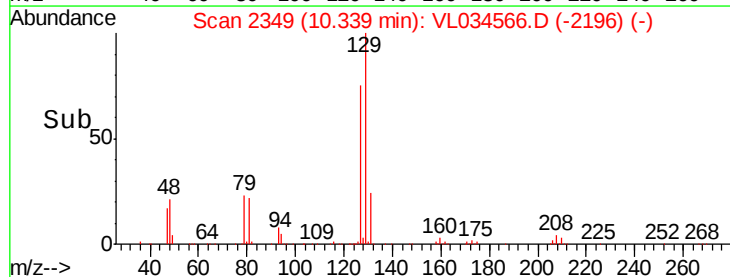
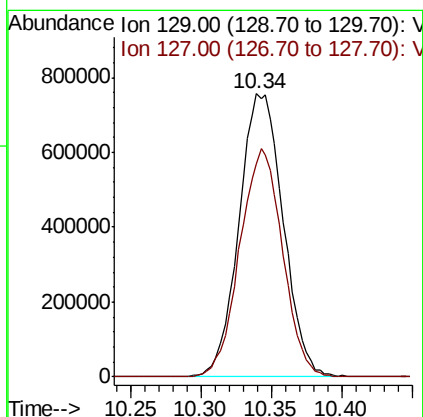
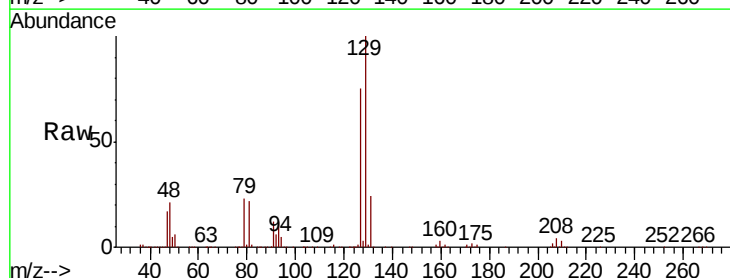
Instrument :
 MSVOA_L
 ClientSampleId :

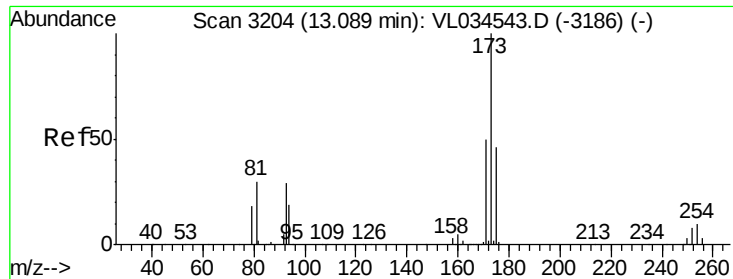
Tot Ion:	97	Resp:	861017
Ion	Ratio	Lower	Upper
97	100		
83	84.6	75.0	112.4
85	59.3	48.2	72.4
99	56.6	48.5	72.7



#48
 Dibromochloromethane
 Concen: 10.695 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. -0.01 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Tgt Ion:	129	Resp:	1656474
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2





#49

Bromoform

Concen: 10.754 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. -0.01 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampled :

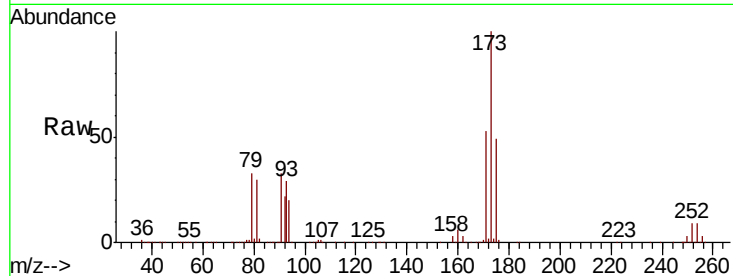
Tot Ion:173 Resp: 1507896

Ion Ratio Lower Upper

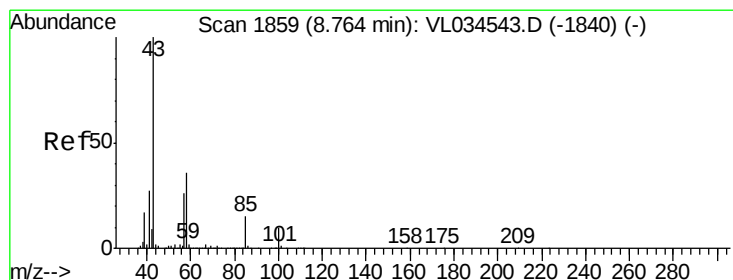
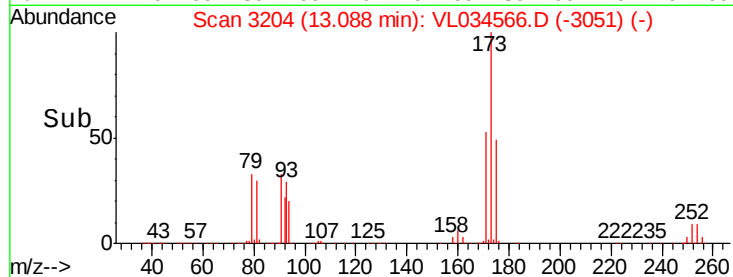
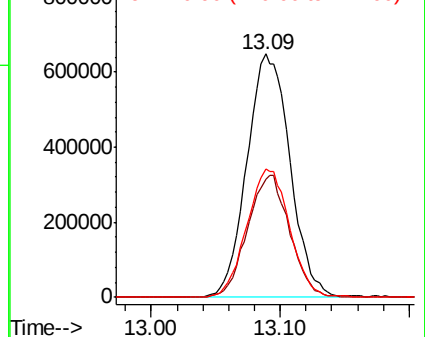
173 100

175 49.2 39.8 59.8

171 52.6 42.1 63.1



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: 9.858 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL034566.D

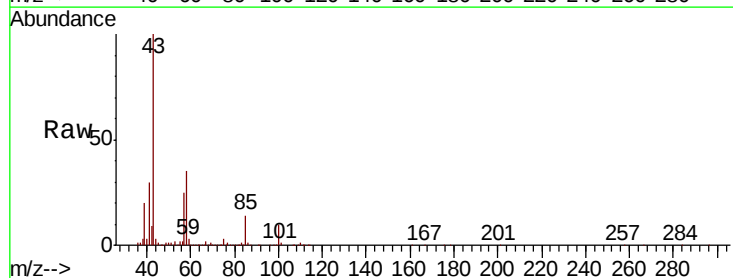
Acq: 27 Jan 2020 20:10

Tgt Ion: 43 Resp: 2312254

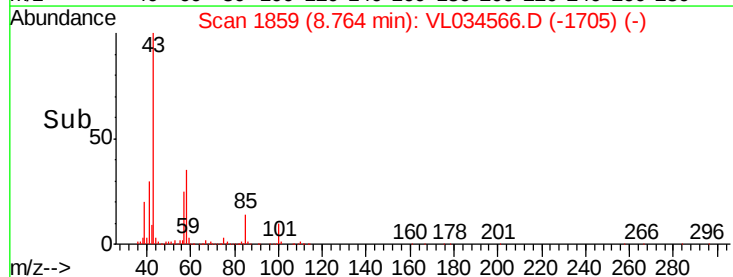
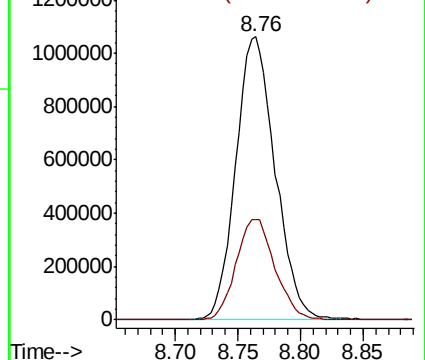
Ion Ratio Lower Upper

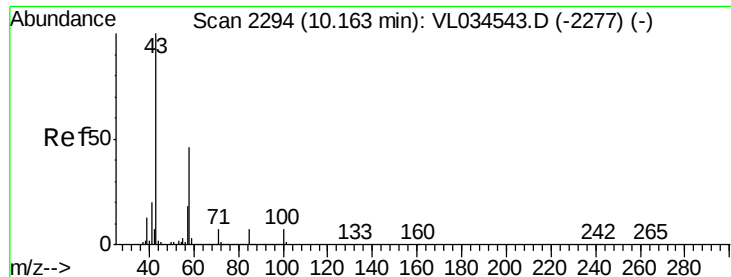
43 100

58 35.3 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

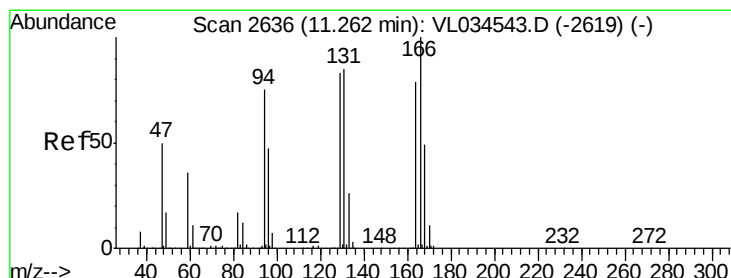
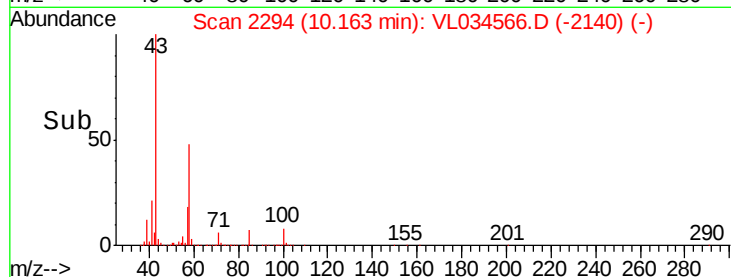
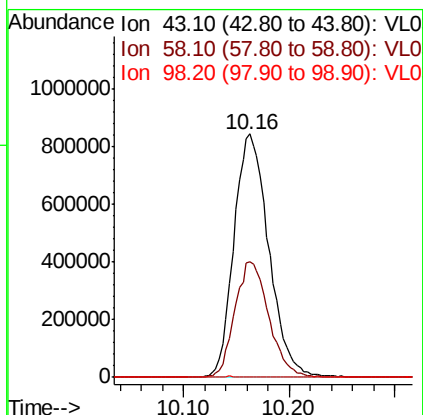
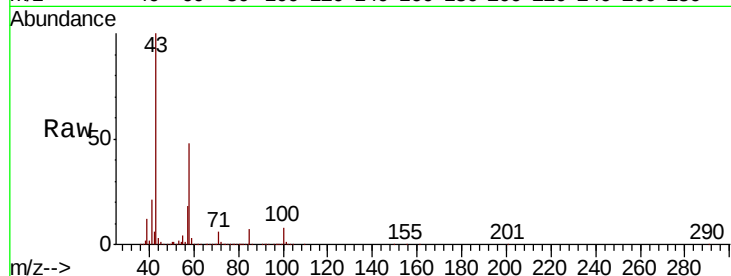




#51
2-Hexanone
Concen: 10.171 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

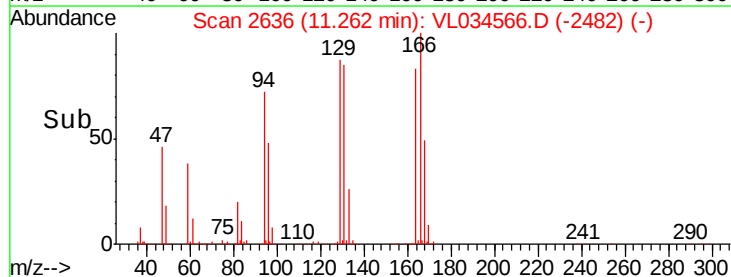
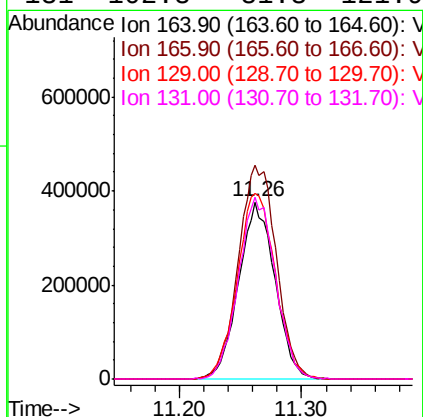
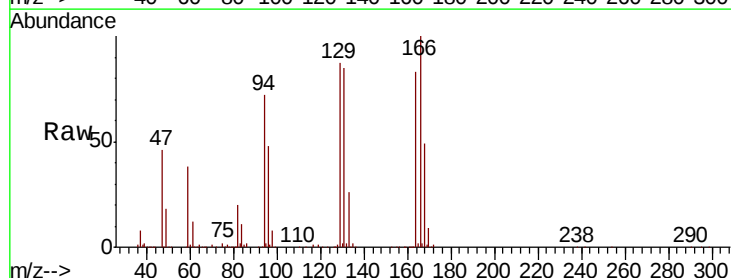
Instrument :
MSVOA_L
ClientSampled :

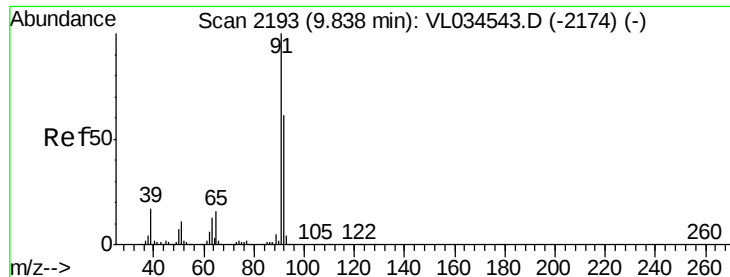
Tot Ion: 43 Resp: 1925767
Ion Ratio Lower Upper
43 100
58 46.9 37.4 56.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.979 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion:164 Resp: 767589
Ion Ratio Lower Upper
164 100
166 120.8 95.7 143.5
129 104.7 82.2 123.2
131 102.8 81.3 121.9





#53

Toluene

Concen: 10.539 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. -0.01 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

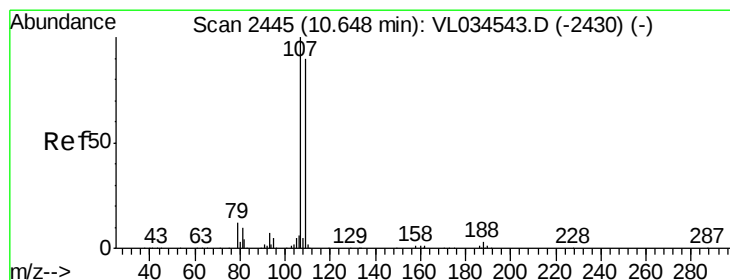
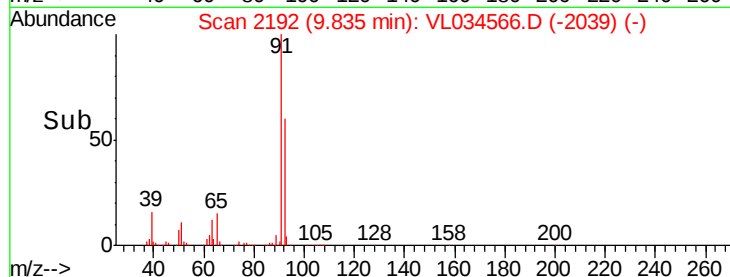
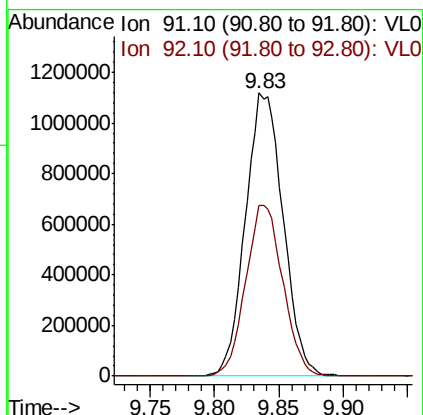
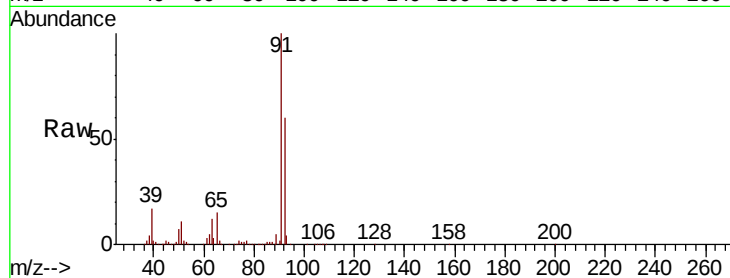
ClientSampleId :

Tot Ion: 91 Resp: 2282113

Ion Ratio Lower Upper

91 100

92 59.6 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.600 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. -0.01 min

Lab File: VL034566.D

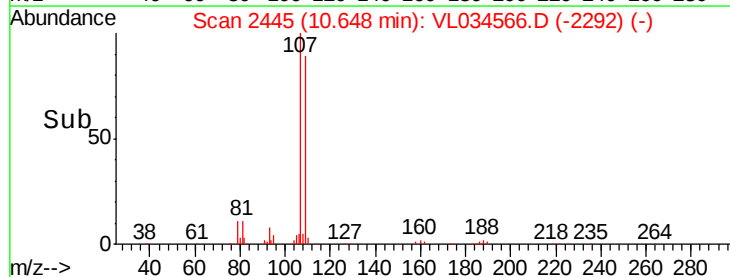
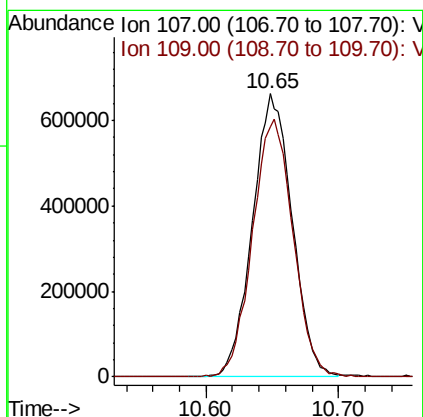
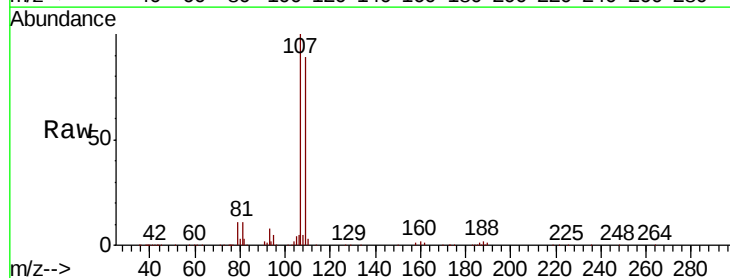
Acq: 27 Jan 2020 20:10

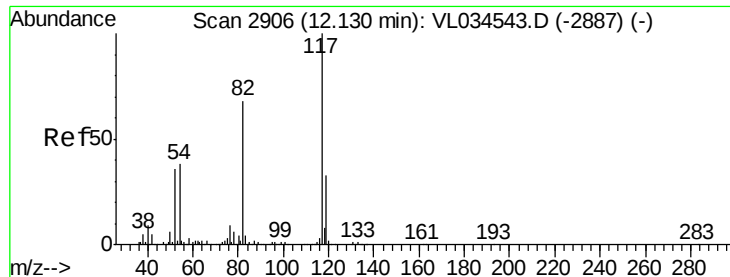
Tgt Ion: 107 Resp: 1378074

Ion Ratio Lower Upper

107 100

109 88.5 75.5 113.3

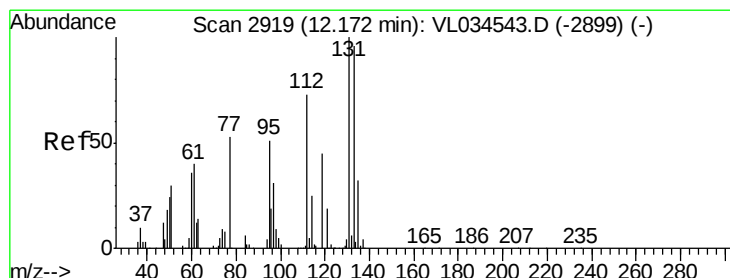
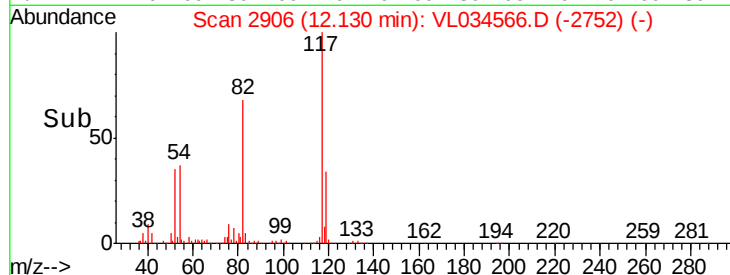
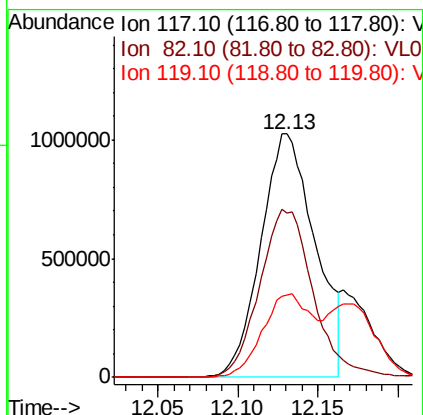
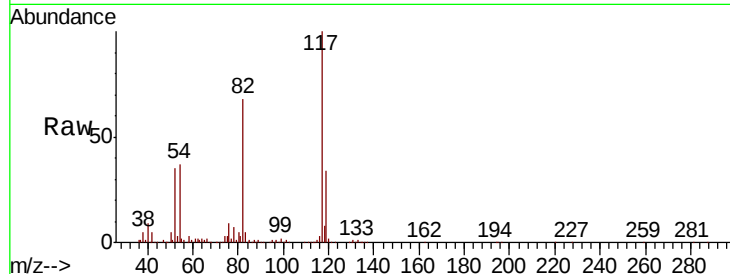




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

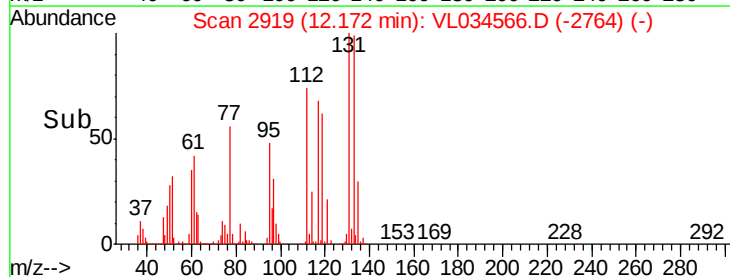
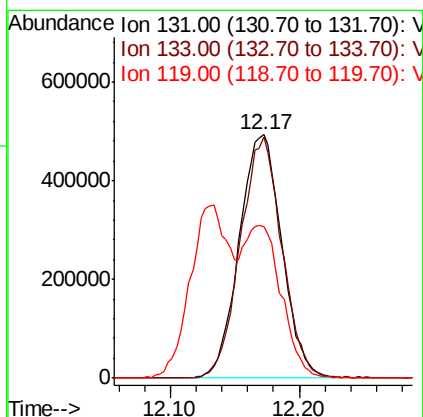
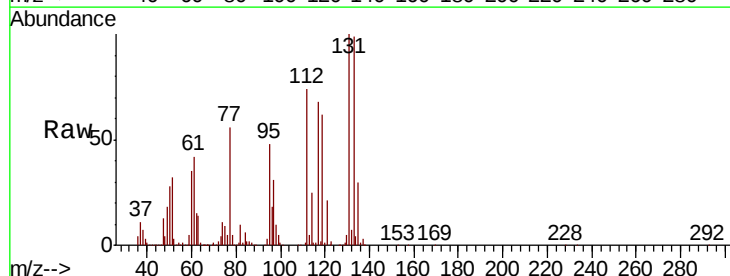
Instrument :
MSVOA_L
ClientSampleId :

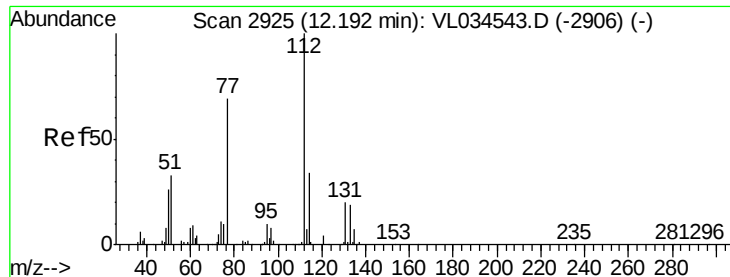
Tot Ion:117 Resp: 2419371
Ion Ratio Lower Upper
117 100
82 68.2 56.2 84.4
119 32.5 27.1 40.7



#56
1,1,1,2-Tetrachloroethane
Concen: 9.717 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion:131 Resp: 1134831
Ion Ratio Lower Upper
131 100
133 96.7 76.2 114.2
119 55.2 47.1 70.7

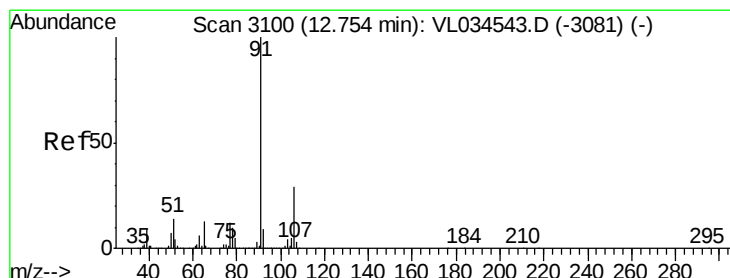
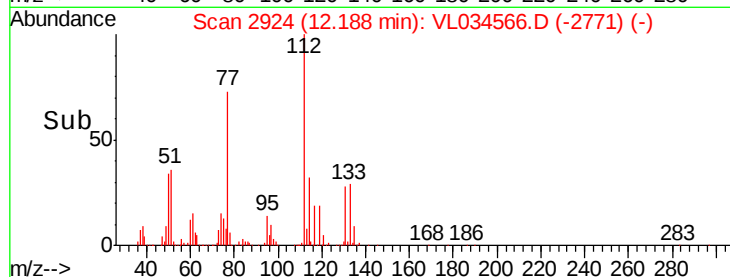
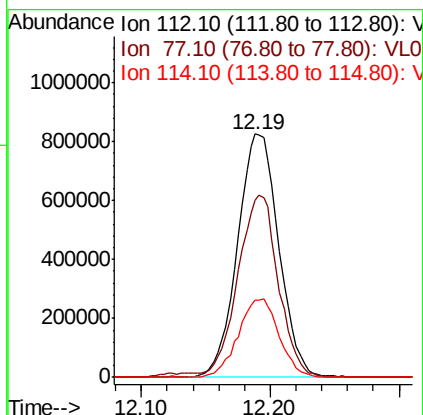
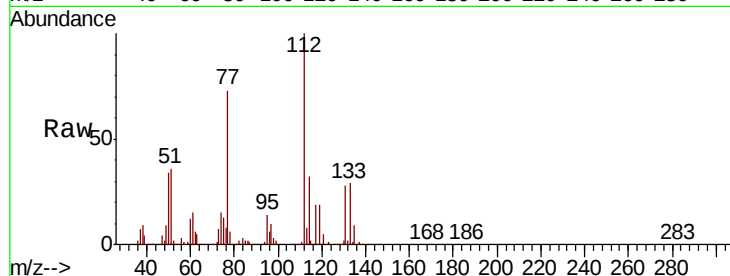




#57
Chlorobenzene
Concen: 9.175 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.01 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

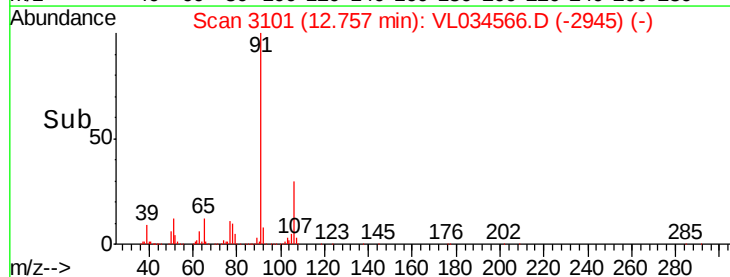
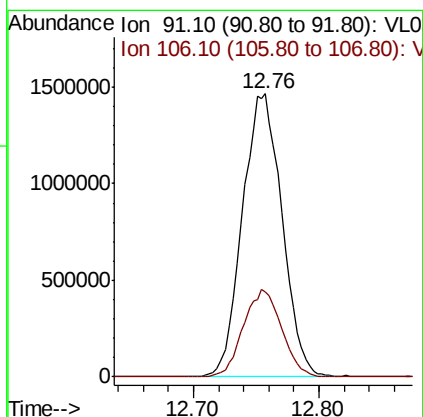
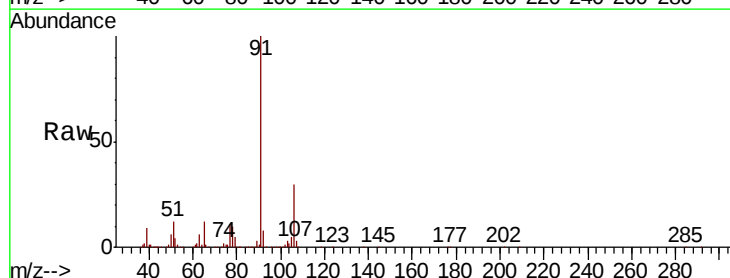
Instrument :
MSVOA_L
ClientSampled :

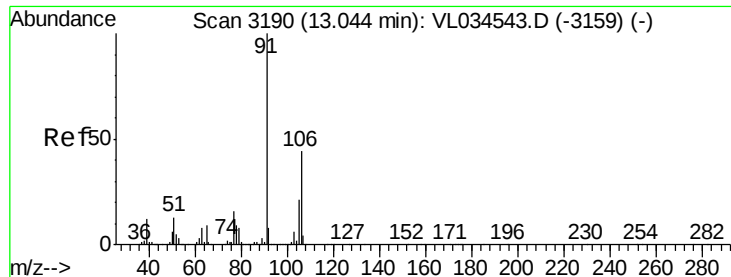
Tot Ion:112 Resp: 1831270
Ion Ratio Lower Upper
112 100
77 72.7 57.4 86.0
114 31.7 28.4 34.8



#58
Ethyl Benzene
Concen: 9.865 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. 0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 91 Resp: 3218655
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8





#59

m/p-Xylene

Concen: 10.439 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

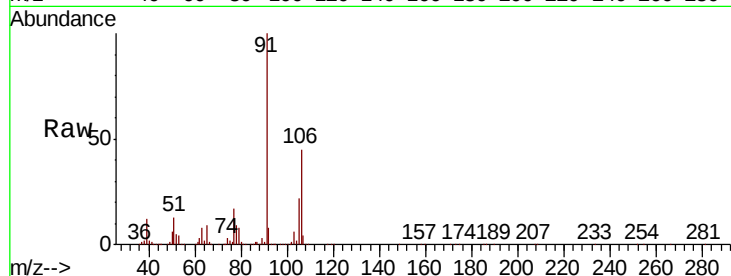
ClientSampleId :

Tot Ion: 91 Resp: 2978586

Ion Ratio Lower Upper

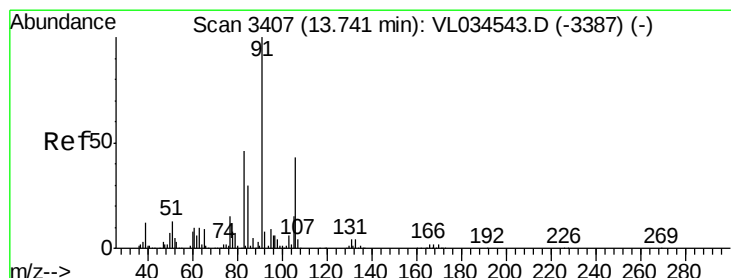
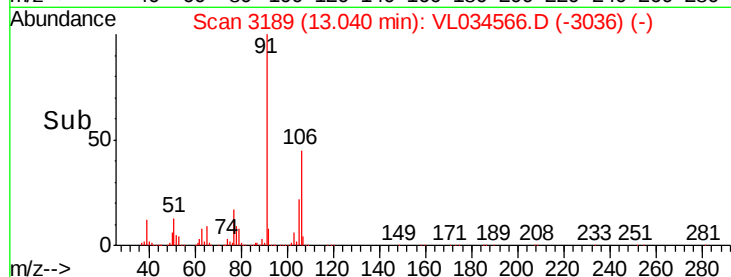
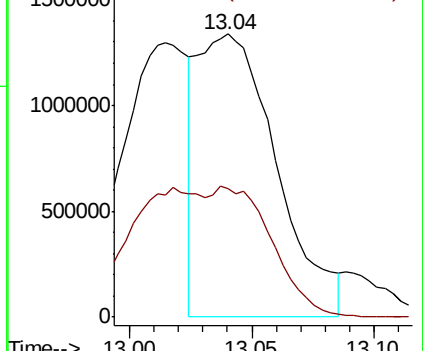
91 100

106 80.7 35.6 53.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.751 ppbv

RT: 13.74 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VL034566.D

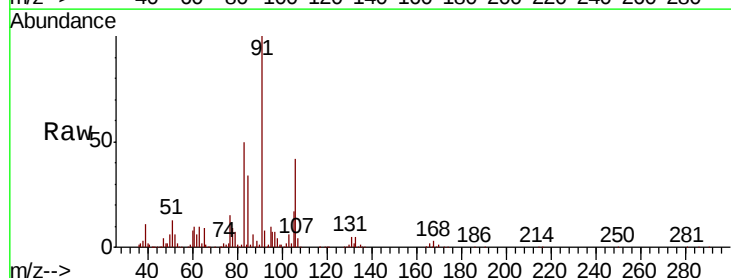
Acq: 27 Jan 2020 20:10

Tgt Ion: 91 Resp: 2791914

Ion Ratio Lower Upper

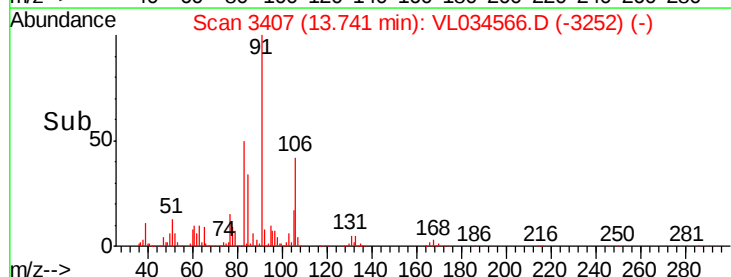
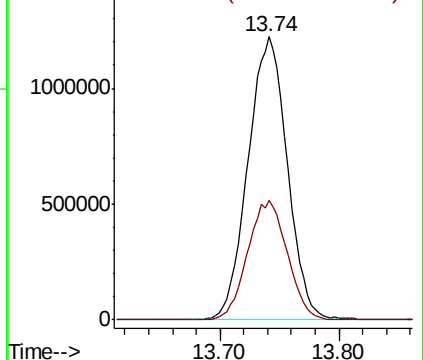
91 100

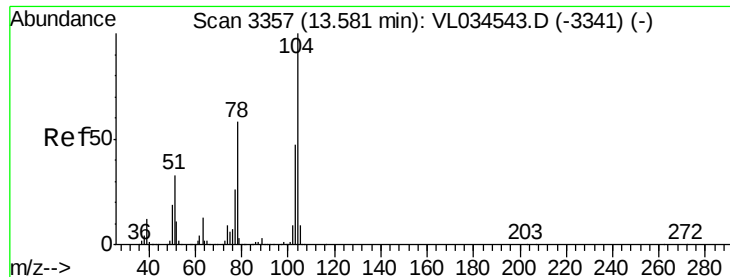
106 42.7 21.4 64.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 9.901 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampled :

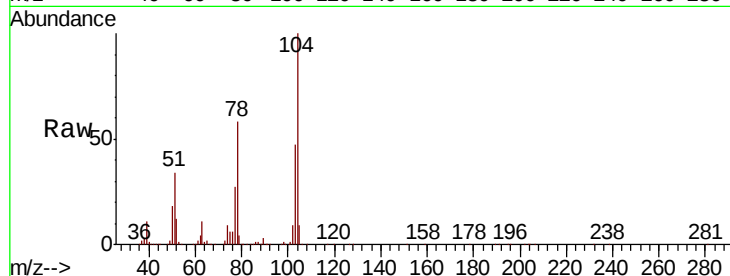
Tot Ion:104 Resp: 1938156

Ion Ratio Lower Upper

104 100

78 60.0 47.7 71.5

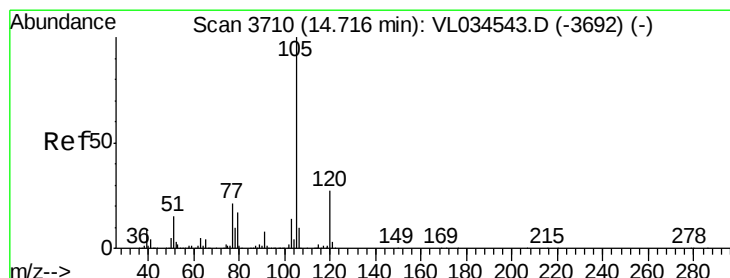
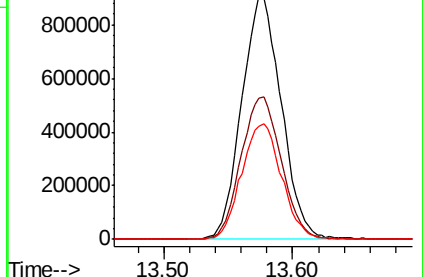
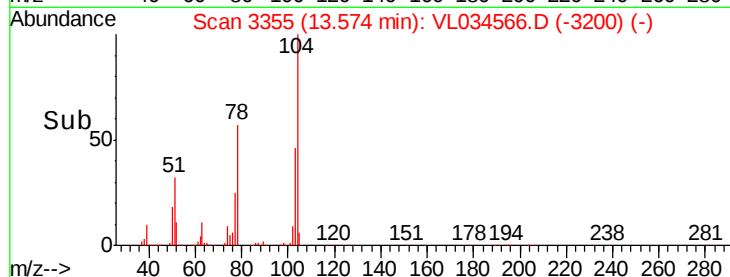
103 48.2 38.6 58.0



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: 9.587 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. -0.00 min

Lab File: VL034566.D

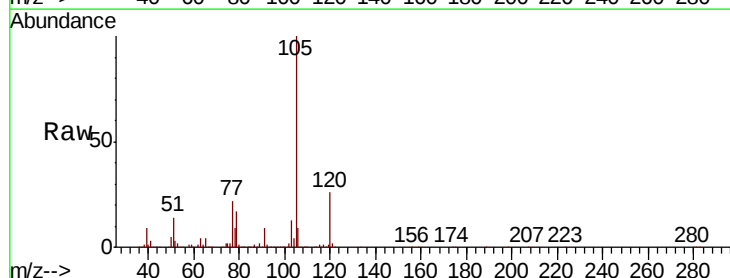
Acq: 27 Jan 2020 20:10

Tgt Ion:105 Resp: 3590538

Ion Ratio Lower Upper

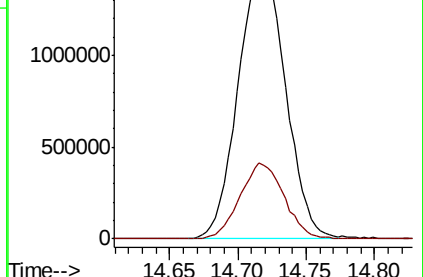
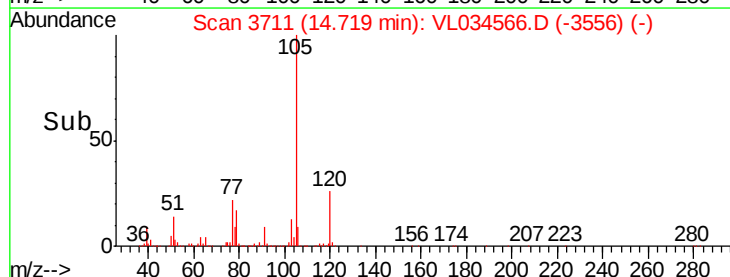
105 100

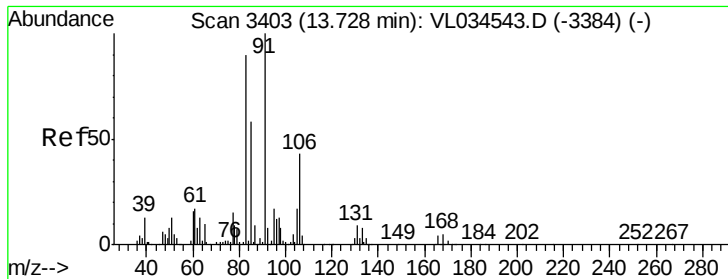
120 26.0 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

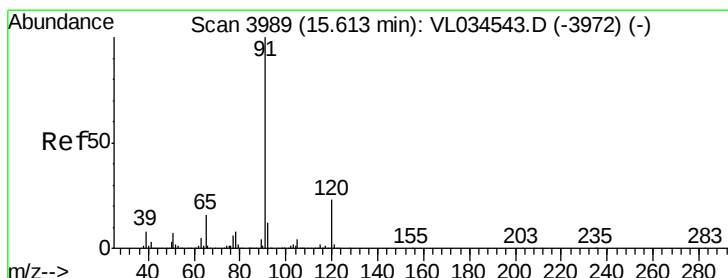
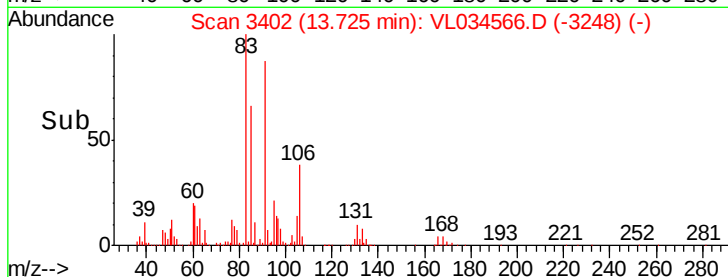
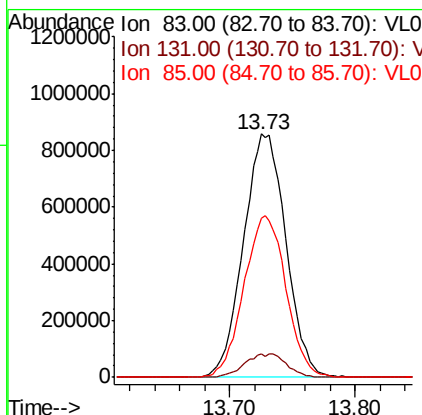
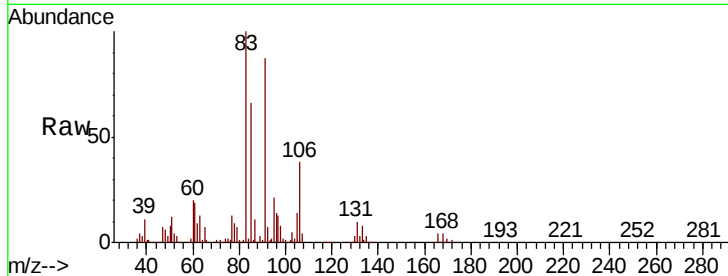




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.776 ppbv
 RT: 13.73 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

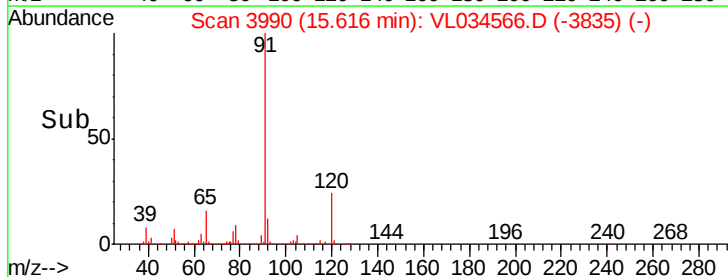
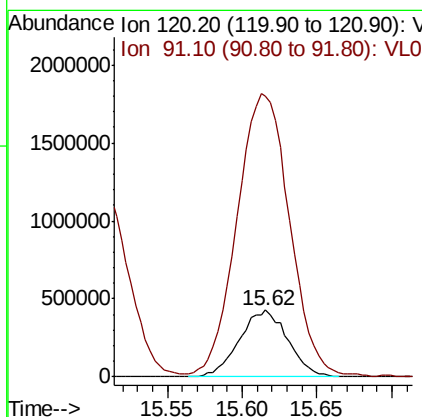
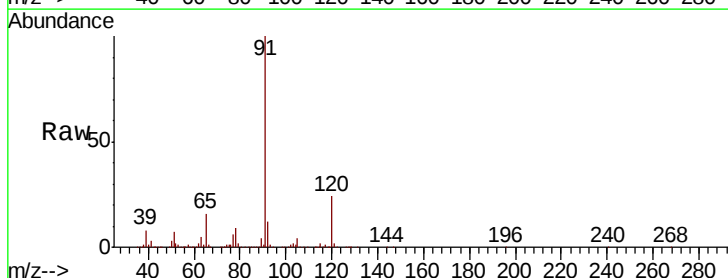
Instrument :
 MSVOA_L
 ClientSampleId :

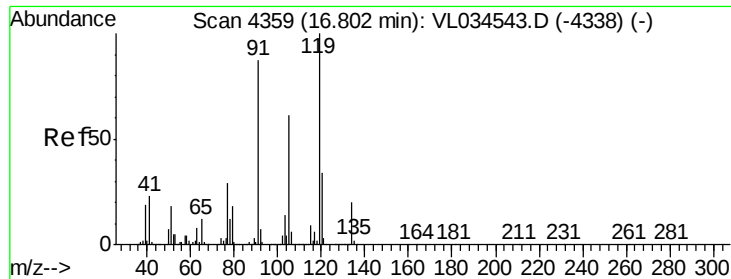
Tot Ion: 83 Resp: 201518
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.8 14.4
 85 65.9 32.5 97.4



#64
 n-propylbenzene
 Concen: 10.027 ppbv
 RT: 15.62 min Scan# 3990
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Tgt Ion:120 Resp: 958913
 Ion Ratio Lower Upper
 120 100
 91 466.5 375.6 563.4

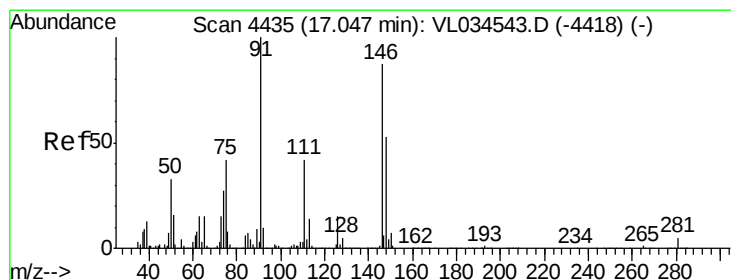
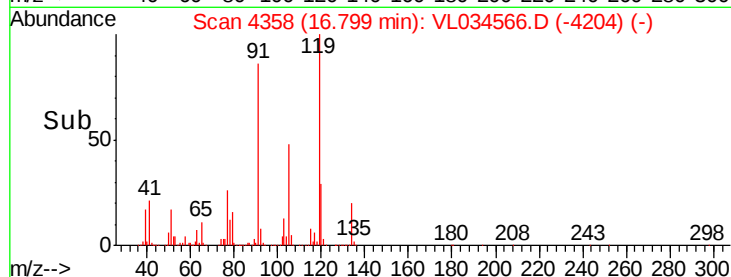
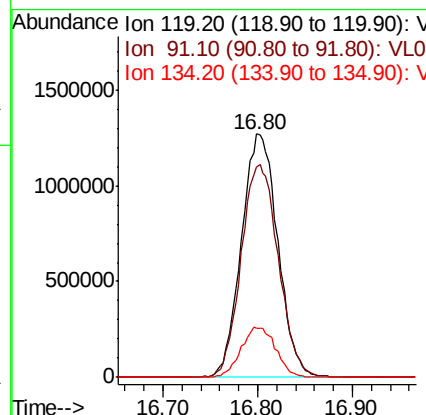
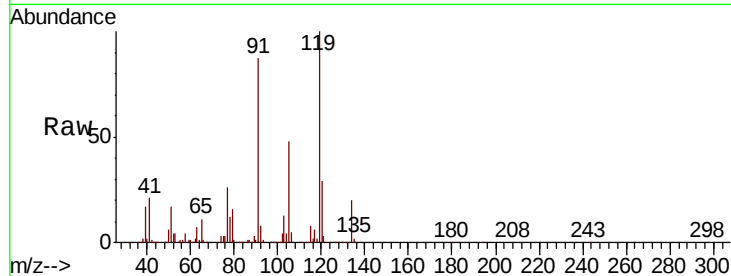




#65
tert-Butylbenzene
Concen: 10.035 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

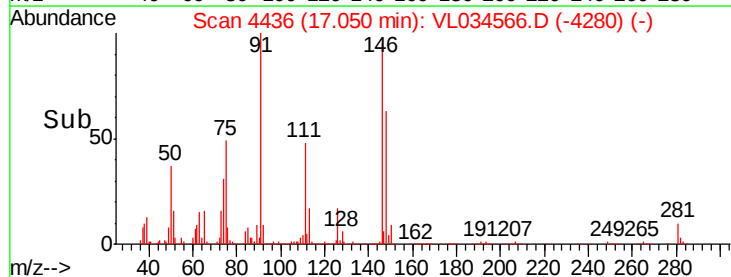
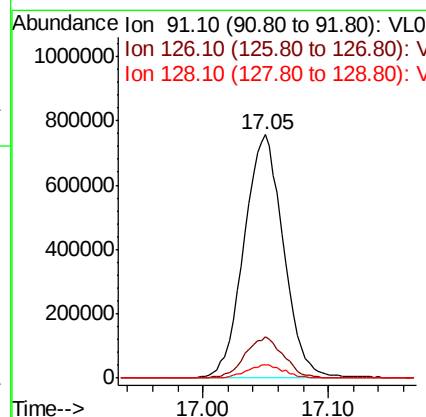
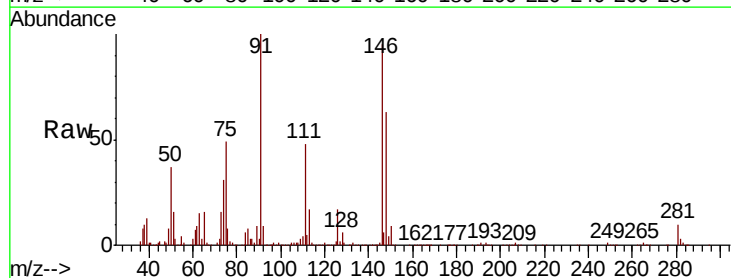
Instrument :
MSVOA_L
ClientSampleId :

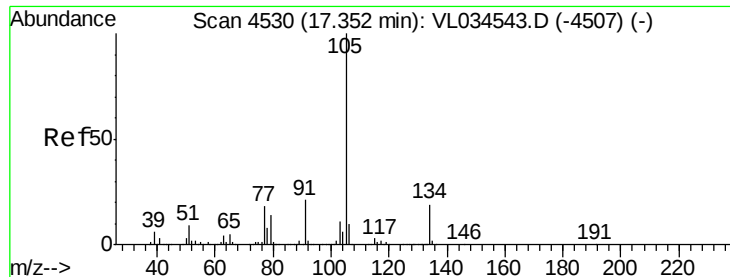
Tot Ion: 119 Resp: 3395404
Ion Ratio Lower Upper
119 100
91 89.2 72.0 108.0
134 19.7 16.1 24.1



#66
Benzyl Chloride
Concen: 11.108 ppbv
RT: 17.05 min Scan# 4436
Delta R.T. 0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion: 91 Resp: 1647165
Ion Ratio Lower Upper
91 100
126 16.7 13.1 19.7
128 5.4 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.674 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

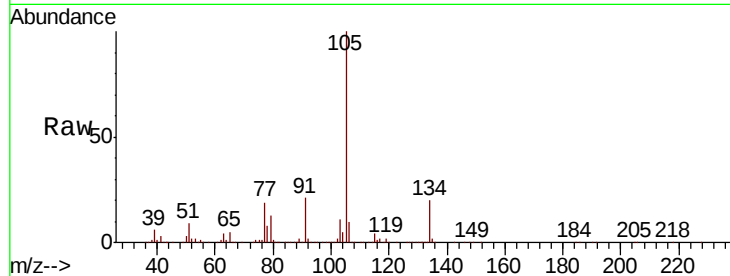
ClientSampleId :

Tot Ion:105 Resp: 4596633

Ion Ratio Lower Upper

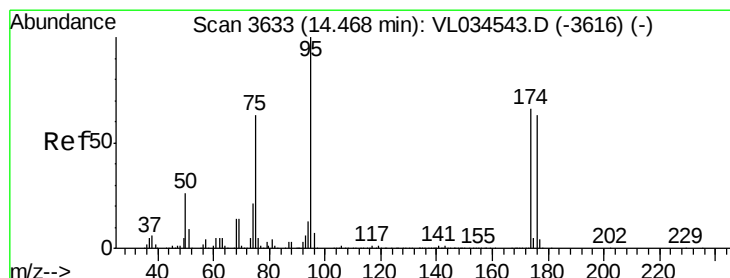
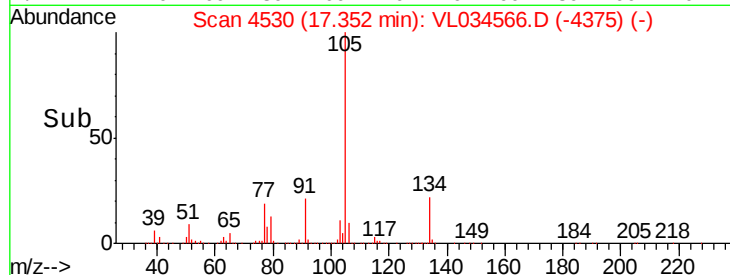
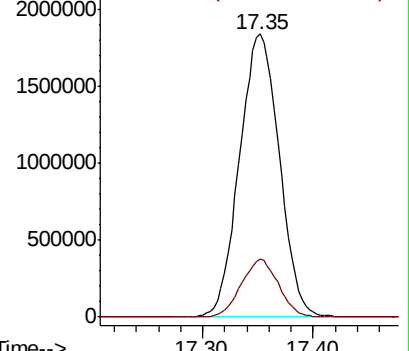
105 100

134 19.4 15.1 22.7



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: 9.531 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

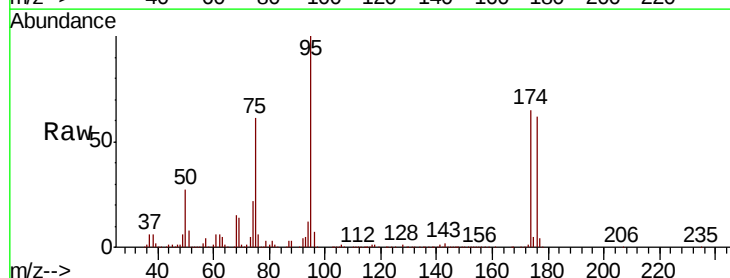
Tgt Ion: 95 Resp: 1924163

Ion Ratio Lower Upper

95 100

174 65.5 52.4 78.6

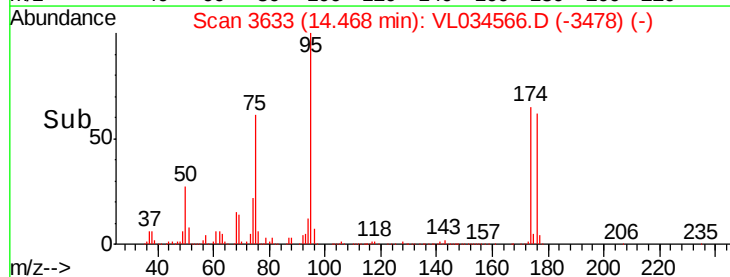
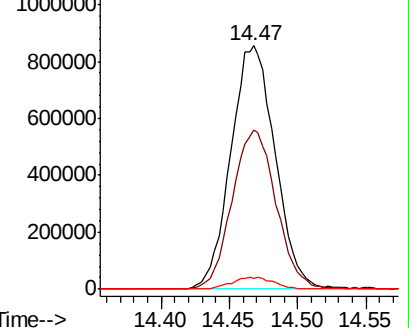
175 4.7 3.9 5.9

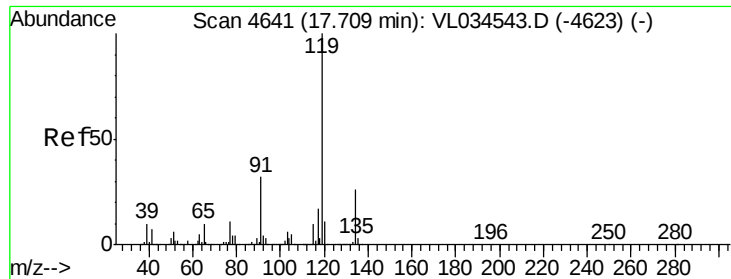


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

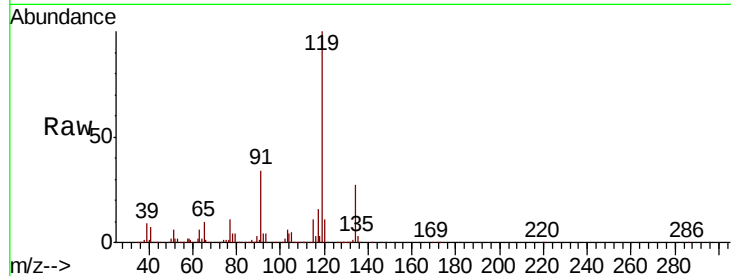




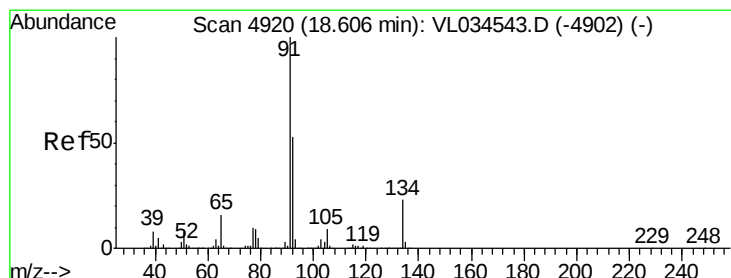
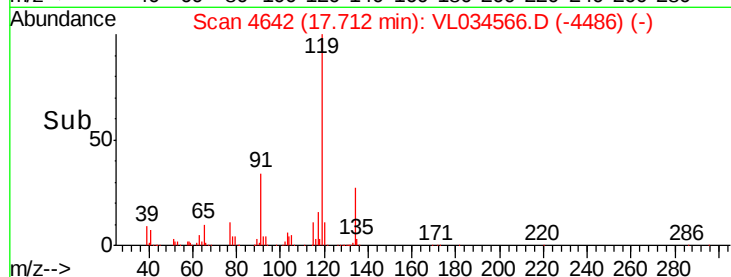
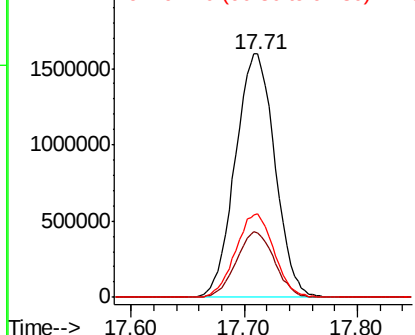
#69
 p-Isopropyltoluene
 Concen: 10.057 ppbv
 RT: 17.71 min Scan# 4642
 Delta R.T. 0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3875583
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.7 31.1
 91 33.6 26.6 39.8

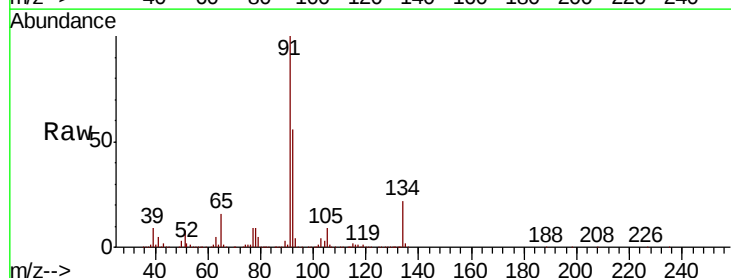


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

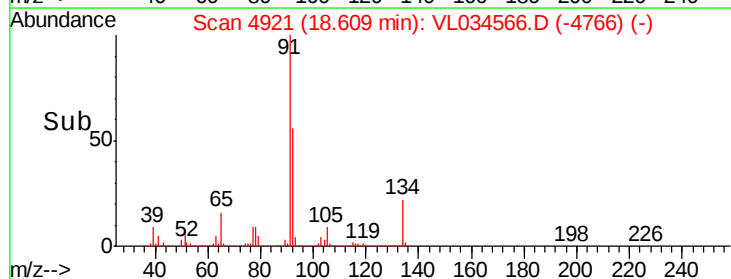
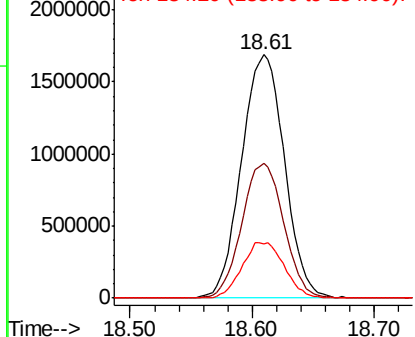


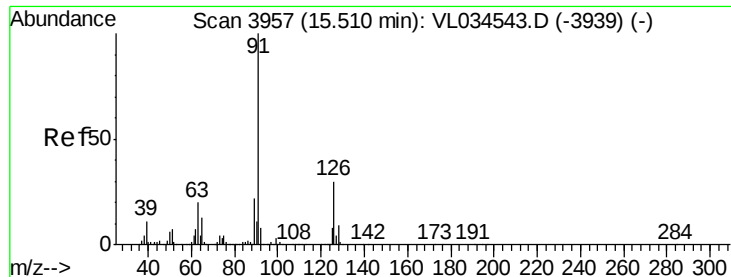
#70
 n-Butylbenzene
 Concen: 9.864 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Tgt Ion: 91 Resp: 4101821
 Ion Ratio Lower Upper
 91 100
 92 54.4 43.8 65.6
 134 22.5 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V

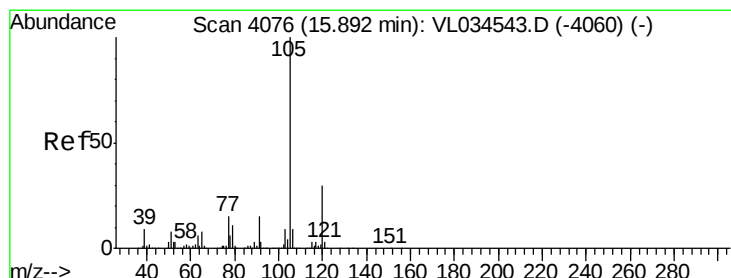
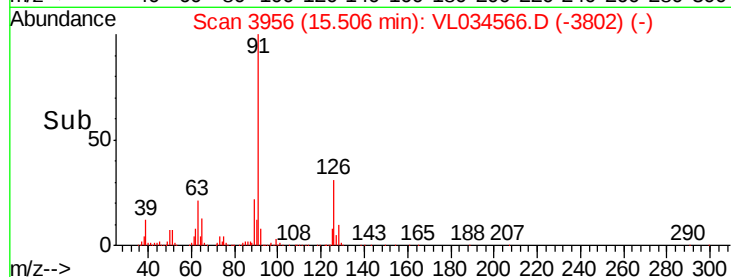
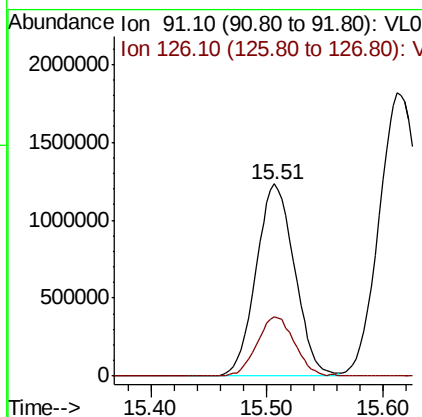
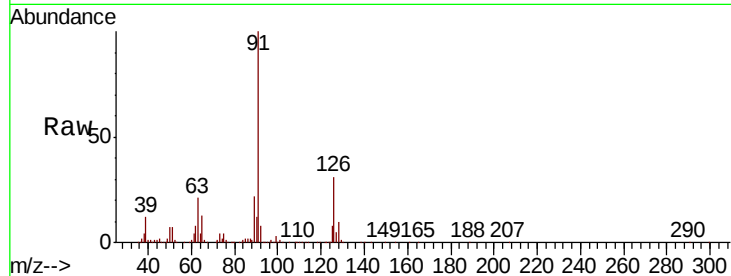




#71
2-Chlorotoluene
Concen: 9.805 ppbv
RT: 15.51 min Scan# 3956
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

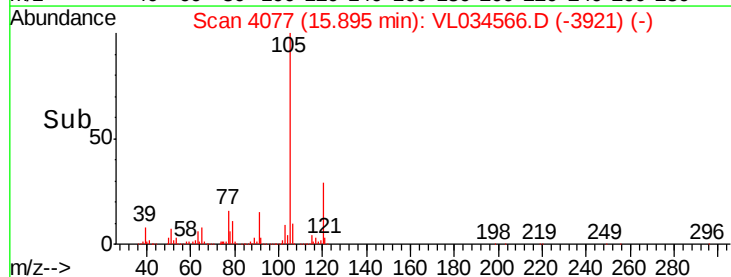
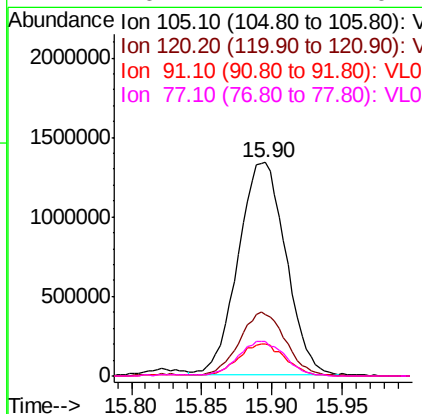
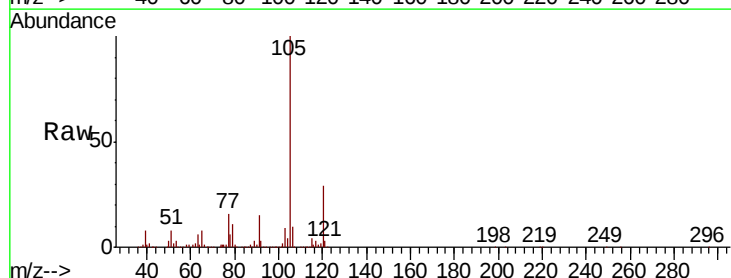
Instrument :
MSVOA_L
ClientSampleId :

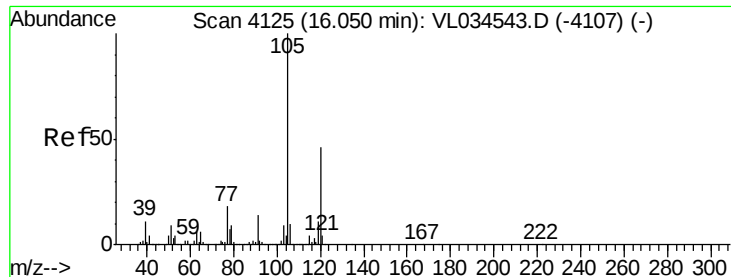
Tot Ion: 91 Resp: 2851698
Ion Ratio Lower Upper
91 100
126 30.3 12.0 47.8



#72
4-Ethyltoluene
Concen: 9.859 ppbv
RT: 15.90 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion:105 Resp: 3158561
Ion Ratio Lower Upper
105 100
120 29.3 23.7 35.5
91 15.0 11.5 17.3
77 16.1 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 9.774 ppbv

RT: 16.05 min Scan# 4126

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

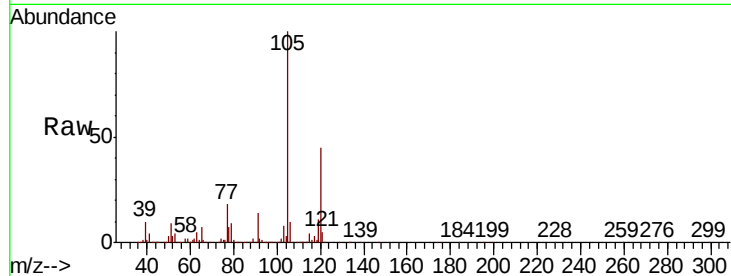
ClientSampled :

Tot Ion:105 Resp: 3072264

Ion Ratio Lower Upper

105 100

120 45.4 34.6 52.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.05

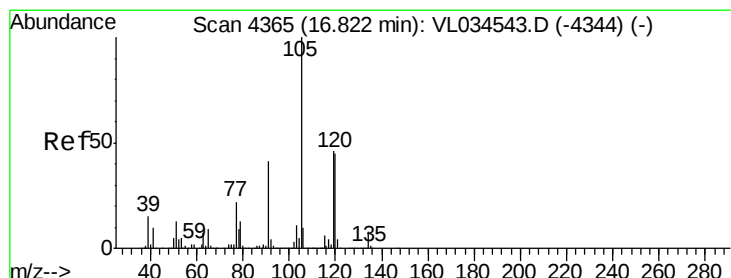
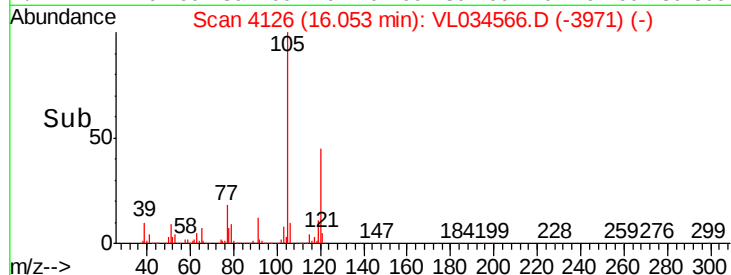
1500000

1000000

500000

0

Time--> 15.95 16.00 16.05 16.10



#74

1,2,4-Trimethylbenzene

Concen: 9.642 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Tgt Ion:105 Resp: 3242152

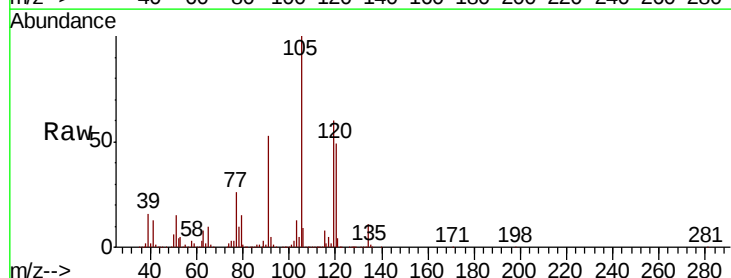
Ion Ratio Lower Upper

105 100

120 48.7 36.7 55.1

91 53.2 44.0 66.0

77 26.0 19.9 29.9



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

2000000

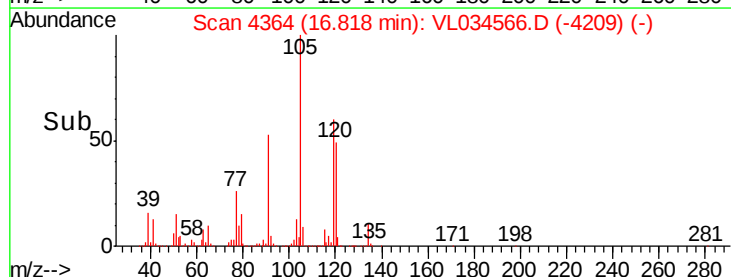
1500000

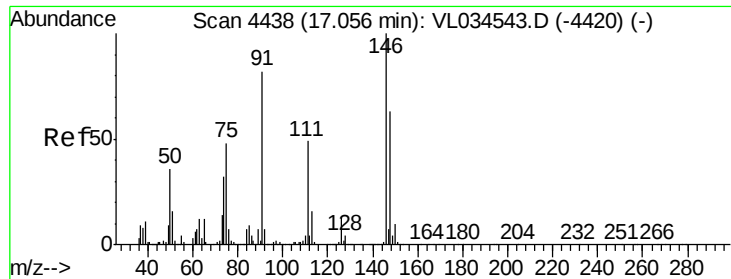
1000000

500000

0

Time--> 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 9.170 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. 0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampleId :

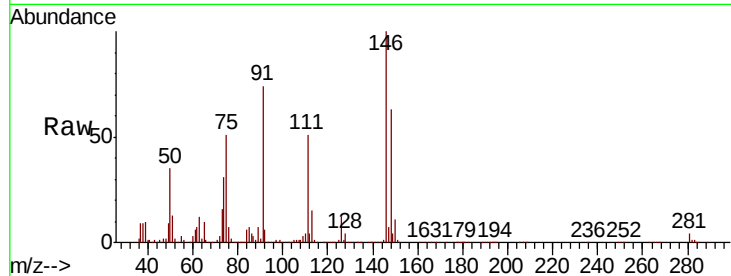
Tot Ion:146 Resp: 1846784

Ion Ratio Lower Upper

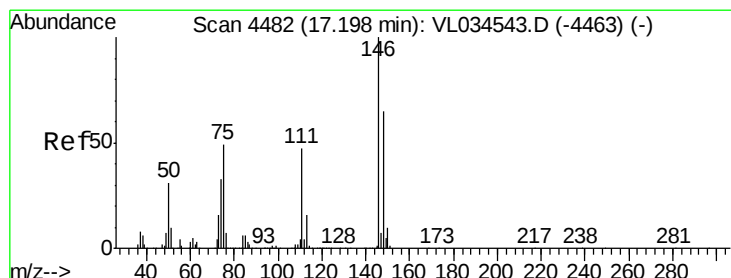
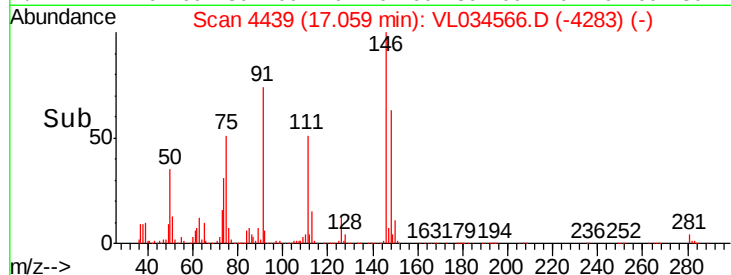
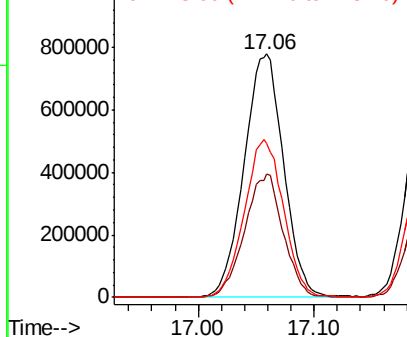
146 100

111 49.5 25.1 75.3

148 64.2 33.0 99.0



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: 9.362 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

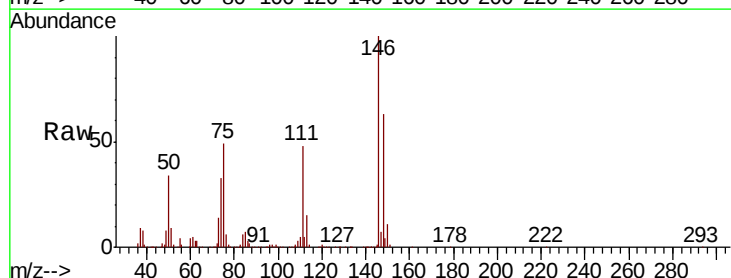
Tgt Ion:146 Resp: 1815202

Ion Ratio Lower Upper

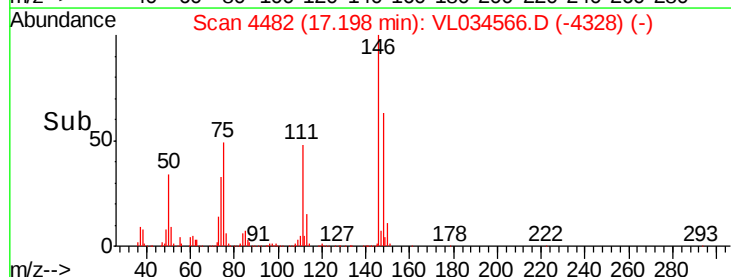
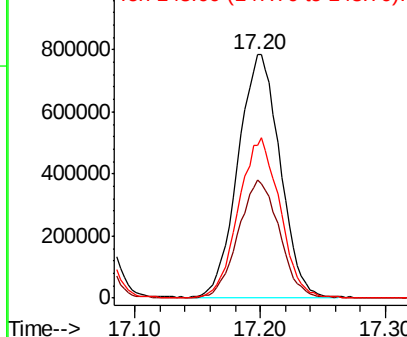
146 100

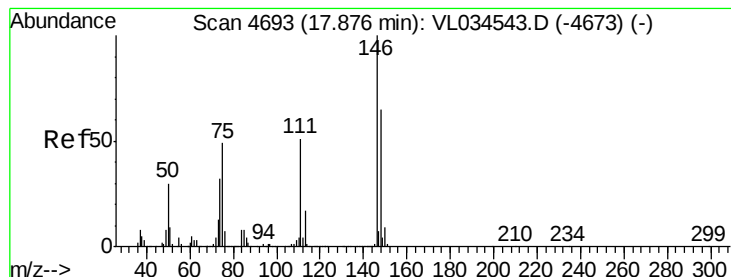
111 47.5 23.5 70.6

148 65.4 32.1 96.3



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: 9.538 ppbv

RT: 17.88 min Scan# 4693

Delta R.T. -0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

Instrument :

MSVOA_L

ClientSampled :

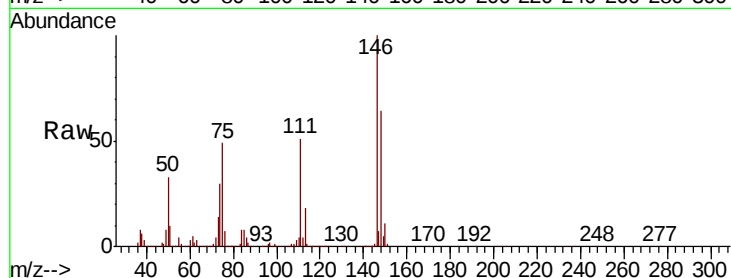
Tot Ion:146 Resp: 1805240

Ion Ratio Lower Upper

146 100

111 50.5 25.3 75.8

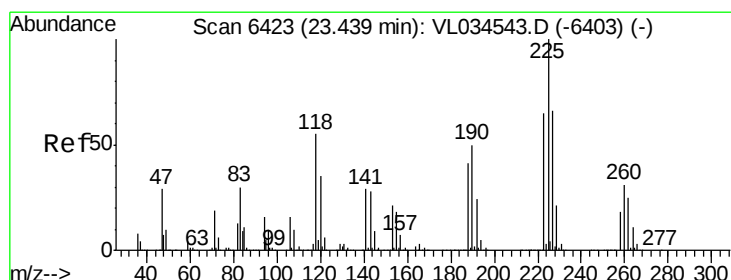
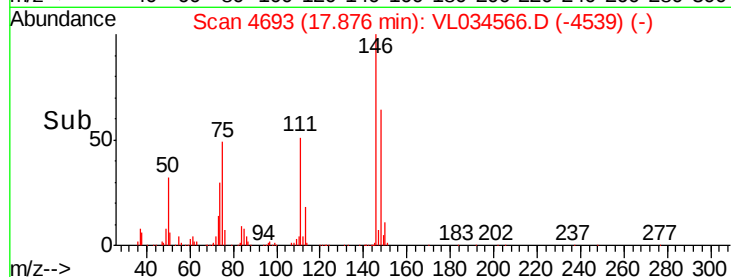
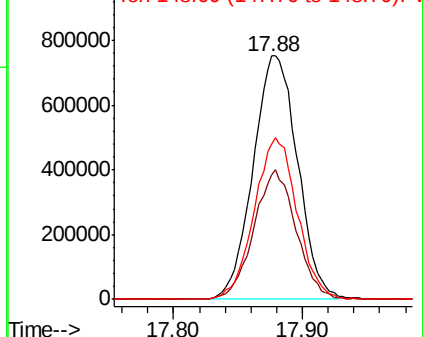
148 64.3 32.1 96.3



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: 8.398 ppbv

RT: 23.44 min Scan# 6424

Delta R.T. 0.00 min

Lab File: VL034566.D

Acq: 27 Jan 2020 20:10

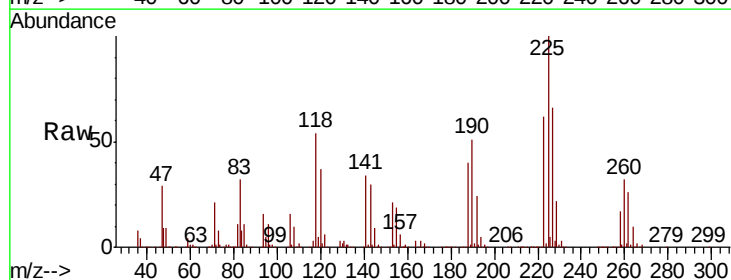
Tgt Ion:225 Resp: 1508793

Ion Ratio Lower Upper

225 100

223 62.6 51.0 76.6

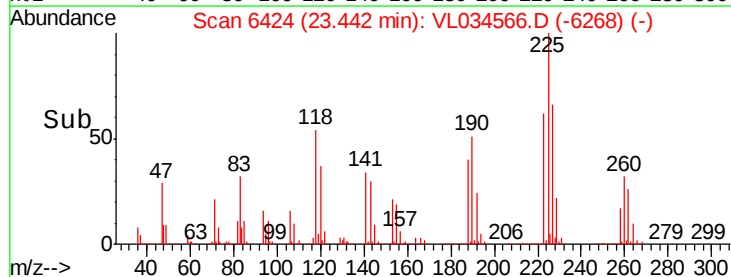
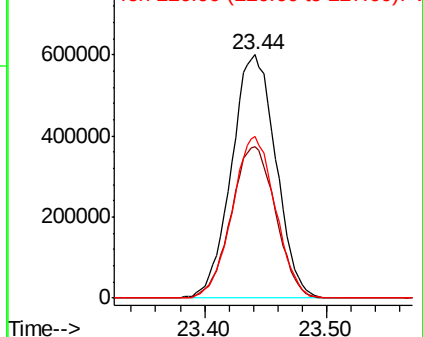
227 64.7 51.8 77.6

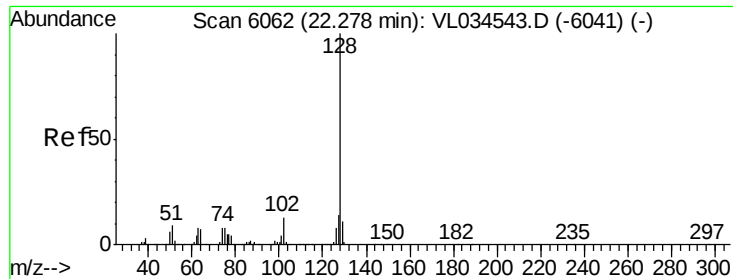


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

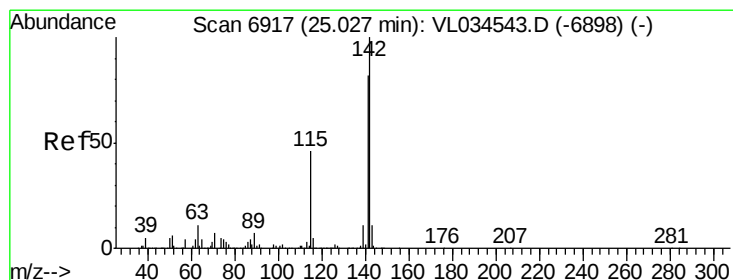
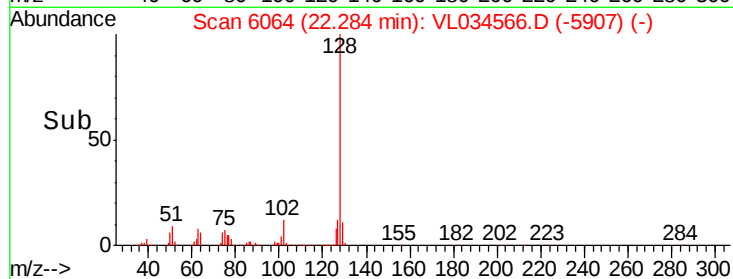
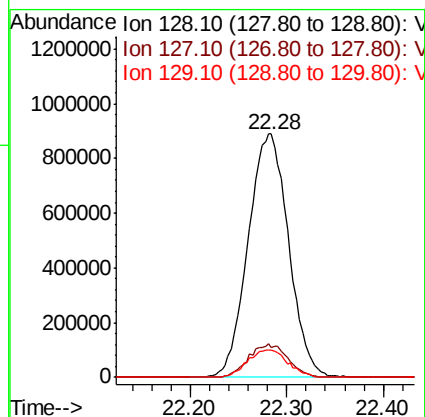
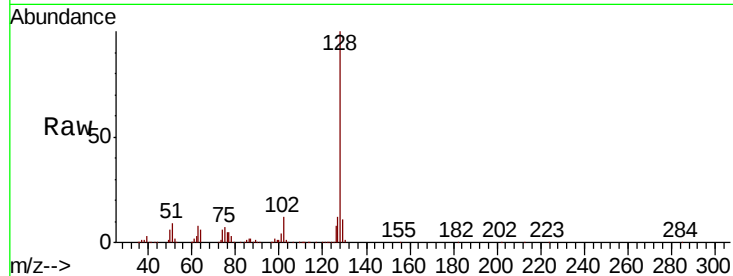




#79
Naphthalene
Concen: 10.189 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

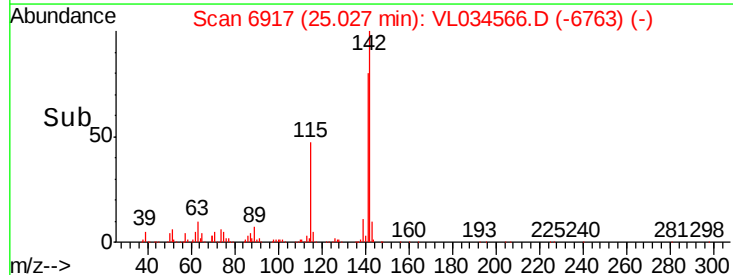
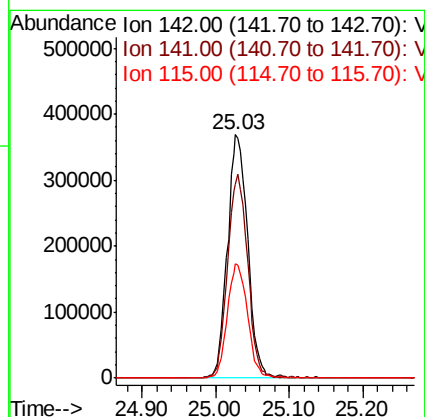
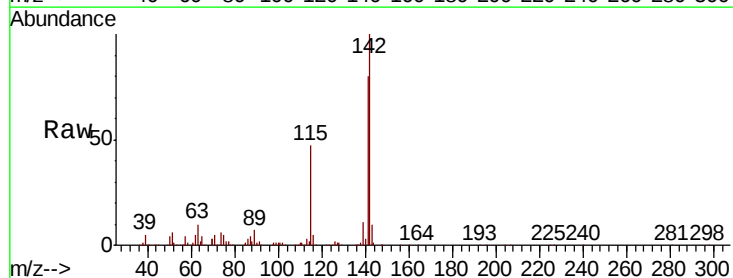
Instrument :
MSVOA_L
ClientSampleId :

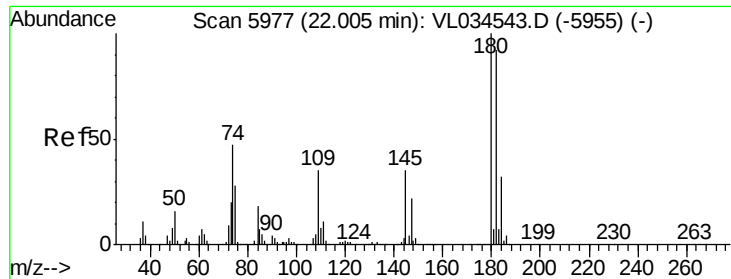
Tot Ion:128 Resp: 2580504
Ion Ratio Lower Upper
128 100
127 12.2 10.6 15.8
129 11.3 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 10.056 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. -0.00 min
Lab File: VL034566.D
Acq: 27 Jan 2020 20:10

Tgt Ion:142 Resp: 705468
Ion Ratio Lower Upper
142 100
141 83.0 65.8 98.8
115 46.8 30.4 45.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 9.237 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. -0.00 min
 Lab File: VL034566.D
 Acq: 27 Jan 2020 20:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1523188
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.8 116.8
 184 31.1 25.2 37.8

