

Data File : VL034863.D
Acq On : 10 Mar 2020 11:30
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 05:49:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	898756	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2036199	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2540119	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1644725	8.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1454876	11.821	ppbv	99
3) Chlorodifluoromethane	2.95	51	941839	9.381	ppbv	100
4) Chloromethane	3.10	50	554091	9.765	ppbv	99
5) Vinyl Chloride	3.22	62	515210	9.444	ppbv	96
6) Bromomethane	3.44	94	309816	9.756	ppbv	97
7) Chloroethane	3.52	64	188149	9.551	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1167682	9.136	ppbv	97
9) Propene	2.97	41	435990	9.096	ppbv	100
10) Heptane	8.13	43	1139334	9.658	ppbv	99
11) Trichlorofluoromethane	3.92	101	1192266	9.106	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	844024	9.210	ppbv	99
13) Ethanol	3.57	45	100521	6.898	ppbv	92
14) Bromoethene	3.71	108	373353	9.434	ppbv	100
15) Acetone	3.82	43	1071939	9.202	ppbv	100
16) 1,3-Butadiene	3.29	39	504864	9.584	ppbv	97
17) tert-Butyl alcohol	4.27	59	809552	7.214	ppbv	99
18) 1,1-Dichloroethene	4.26	96	388943	9.584	ppbv	98
19) Isopropyl Alcohol	3.94	45	545392	7.414	ppbv #	41
20) Methylene Chloride	4.32	84	329638	8.950	ppbv	96
21) Allyl Chloride	4.39	41	702775	9.394	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	387898	9.422	ppbv	97
23) Vinyl Acetate	5.06	43	1666935	9.687	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1087017	9.423	ppbv	99
25) Ethyl Acetate	5.66	43	1914352	9.224	ppbv	100
26) Hexane	5.68	57	828797	9.274	ppbv	98
27) Carbon Disulfide	4.53	76	980622	9.670	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1346695	9.057	ppbv	98
29) Chloroform	5.74	83	1263403	9.266	ppbv	96
30) Cyclohexane	7.13	84	710945	9.535	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	873443	9.557	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1261854	9.498	ppbv	99
34) 2-Butanone	5.23	43	1280379	9.462	ppbv	100
35) Carbon Tetrachloride	7.02	117	1298687	10.255	ppbv	98
36) Benzene	6.89	78	1705423	9.396	ppbv	99
37) 1,2-Dichloroethane	6.31	62	988988	9.664	ppbv	99
38) Trichloroethene	7.84	130	649768	9.426	ppbv	96
39) 1,2-Dichloropropane	7.62	63	675837	9.399	ppbv	95
40) 1,4-Dioxane	7.84	88	228720	8.422	ppbv #	95
41) Tetrahydrofuran	6.04	42	719264	9.823	ppbv	99
42) Bromodichloromethane	7.80	83	1353125	9.701	ppbv	98
43) Methyl Methacrylate	8.02	69	767331	10.035	ppbv	100

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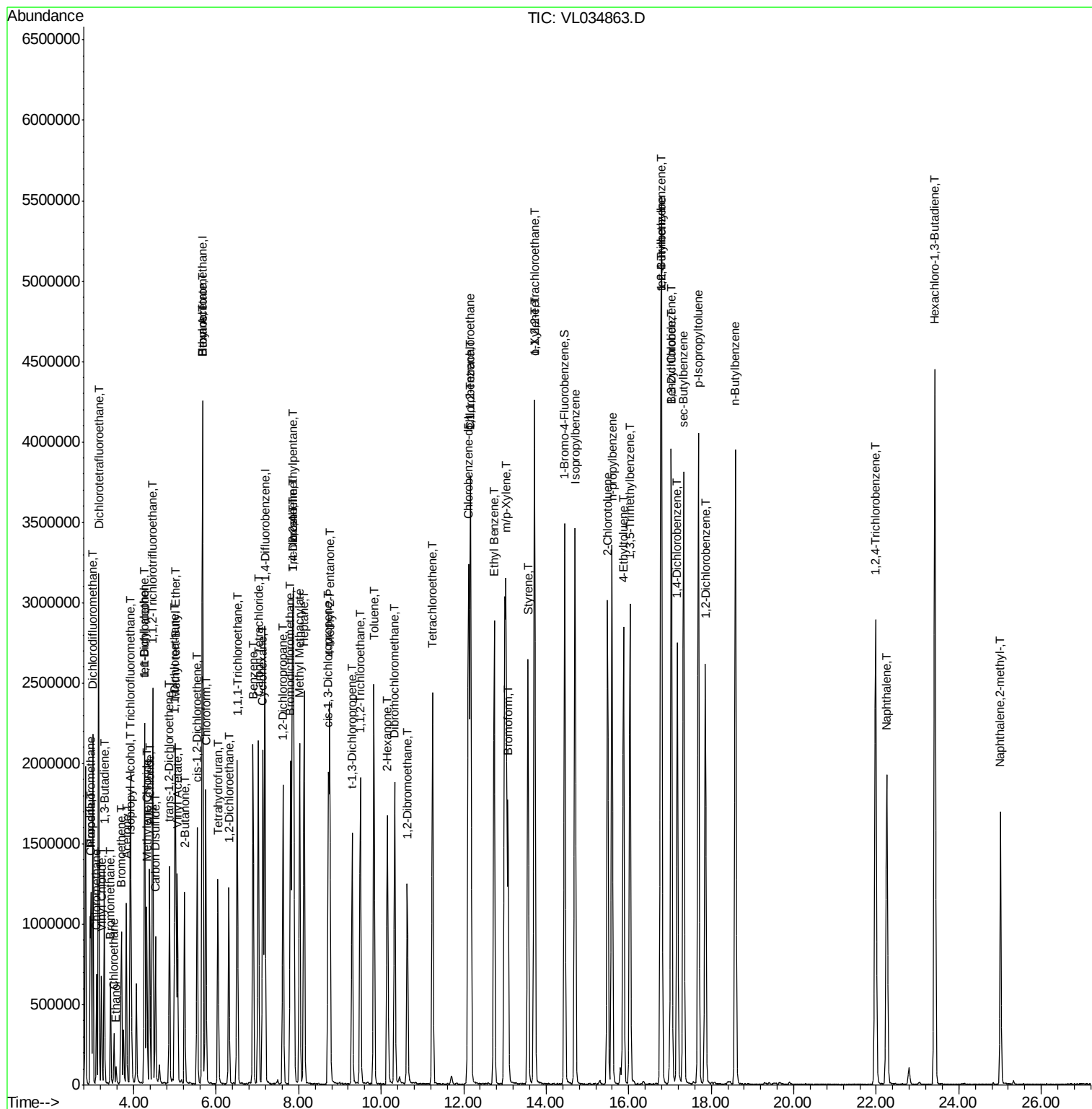
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2938321	9.580	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	917953	10.218	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1062897	9.957	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	687381	9.314	ppbv	97
48) Dibromochloromethane	10.33	129	1132724	9.478	ppbv	98
49) Bromoform	13.07	173	985597	9.249	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1885208	9.678	ppbv	100
51) 2-Hexanone	10.15	43	1549646	9.789	ppbv	99
52) Tetrachloroethene	11.25	164	610347	8.500	ppbv	96
53) Toluene	9.83	91	1996233	9.524	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1051405	9.465	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	856354	7.505	ppbv #	58
57) Chlorobenzene	12.18	112	1462541	7.359	ppbv	98
58) Ethyl Benzene	12.74	91	2632046	7.651	ppbv	98
59) m/p-Xylene	13.02	91	2010906	6.978	ppbv #	23
60) o-Xylene	13.72	91	2088028	7.421	ppbv	100
61) Styrene	13.56	104	1564771	7.924	ppbv	99
62) Isopropylbenzene	14.70	105	3115116	7.322	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1418940	7.428	ppbv	98
64) n-propylbenzene	15.60	120	810459	7.319	ppbv	94
65) tert-Butylbenzene	16.78	119	2696395	7.250	ppbv	98
66) Benzyl Chloride	17.03	91	1323910	8.536	ppbv	99
67) sec-Butylbenzene	17.33	105	3829114	7.425	ppbv	99
69) p-Isopropyltoluene	17.69	119	3245116	7.504	ppbv	99
70) n-Butylbenzene	18.59	91	3366426	7.630	ppbv	99
71) 2-Chlorotoluene	15.49	91	2359543	7.323	ppbv	100
72) 4-Ethyltoluene	15.87	105	2501360	7.527	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2358301	7.581	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2428342	7.577	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1409199	7.292	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1417211	7.349	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1381345	7.374	ppbv	97
78) Hexachloro-1,3-Butadiene	23.42	225	1289345	8.241	ppbv	100
79) Naphthalene	22.26	128	2473436	9.896	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	921168	14.103	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1415242	8.913	ppbv	100

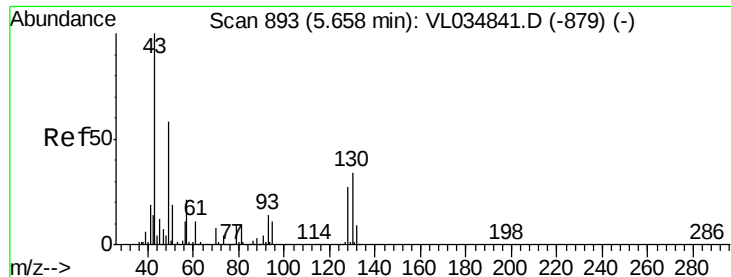
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034863.D

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MSVOA_L
ClientSampleId :

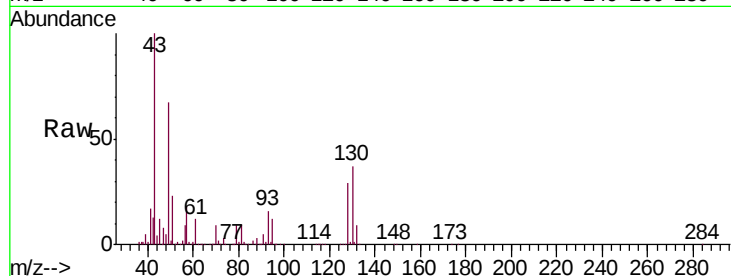
Tgt Ion: 49 Resp: 898756

Ion Ratio Lower Upper

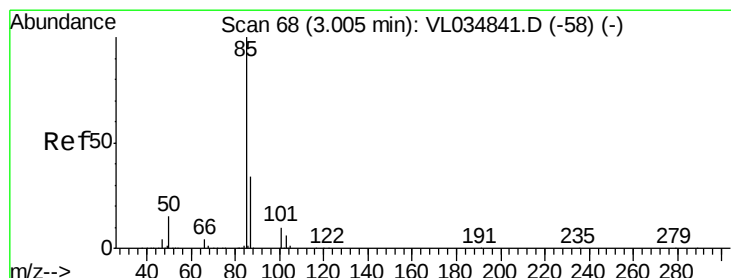
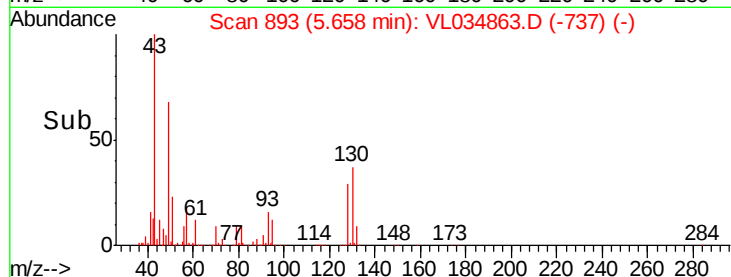
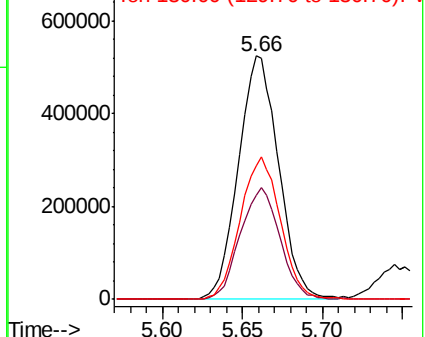
49 100

128 45.8 23.4 70.3

130 58.9 30.0 90.0



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: 11.821 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034863.D

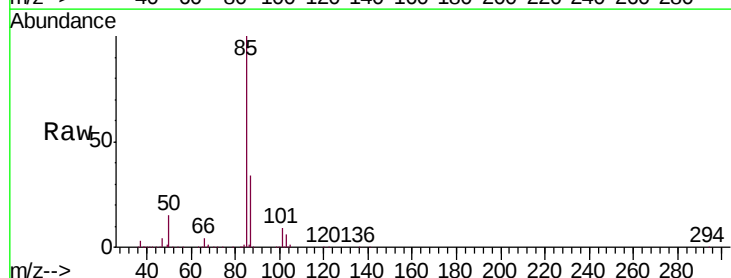
Acq: 10 Mar 2020 11:30

Tgt Ion: 85 Resp: 1454876

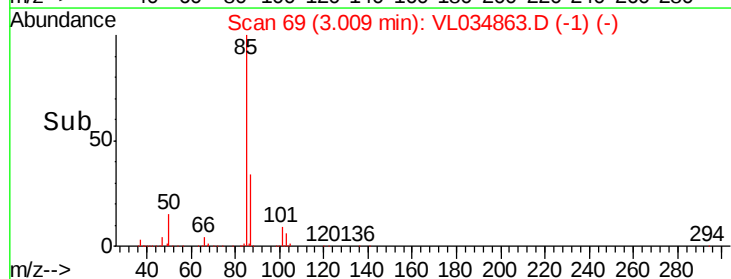
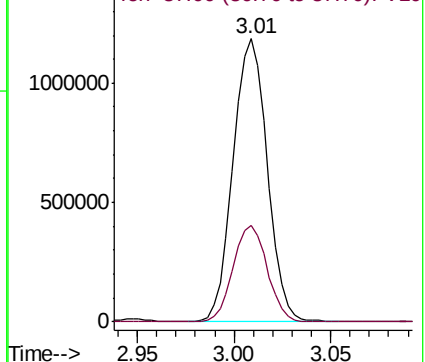
Ion Ratio Lower Upper

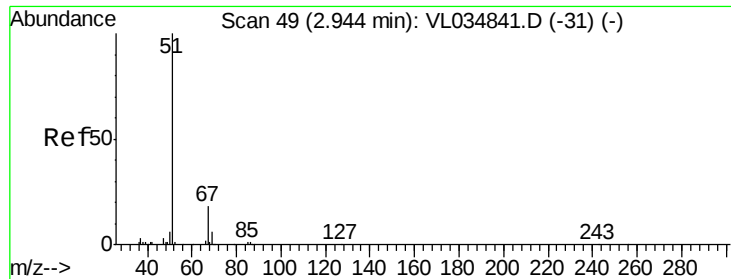
85 100

87 34.1 26.9 40.3



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

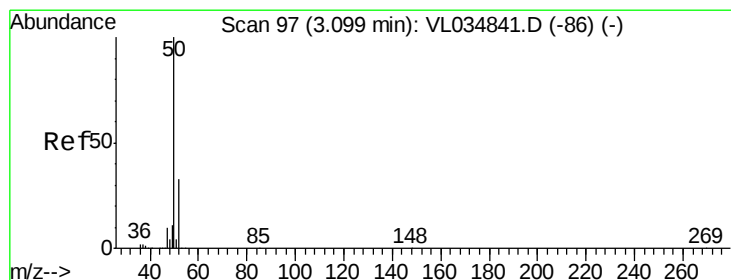
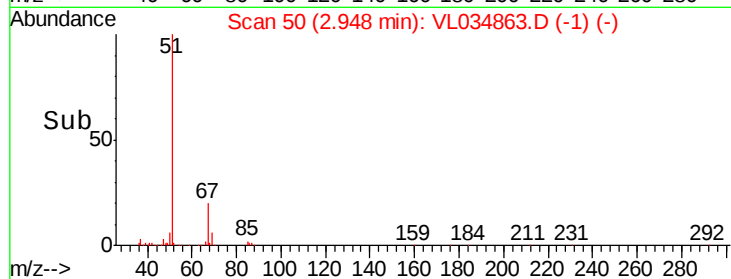
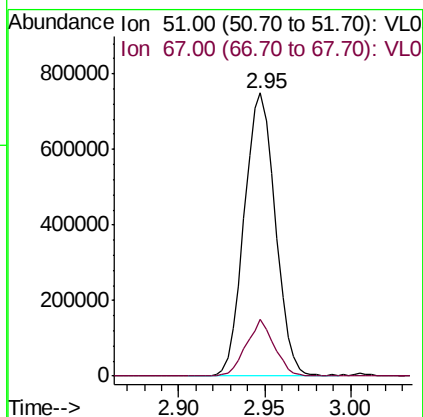
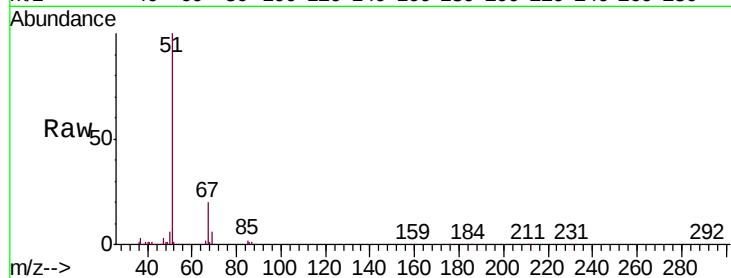




#3
 Chlorodifluoromethane
 Concen: 9.381 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

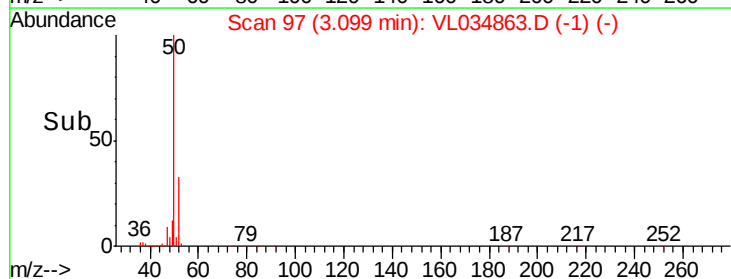
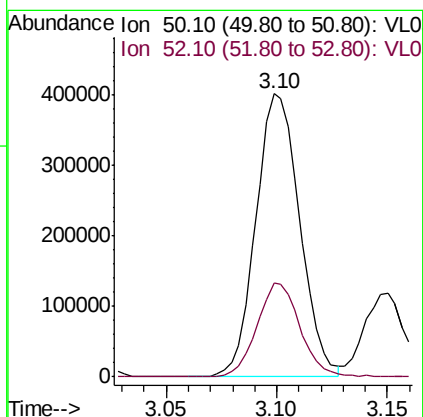
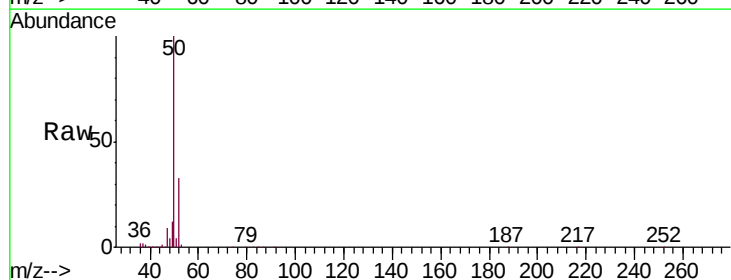
Instrument :
 MSVOA_L
 ClientSampleId :

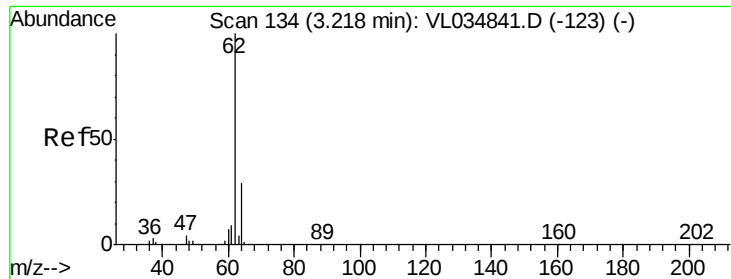
Tgt Ion: 51 Resp: 941839
 Ion Ratio Lower Upper
 51 100
 67 18.0 14.3 21.5



#4
 Chloromethane
 Concen: 9.765 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion: 50 Resp: 554091
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.8 40.2





#5

Vinyl Chloride

Concen: 9.444 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

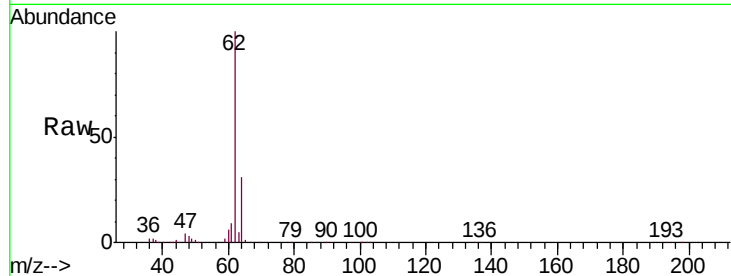
ClientSampleId :

Tgt Ion: 62 Resp: 515210

Ion Ratio Lower Upper

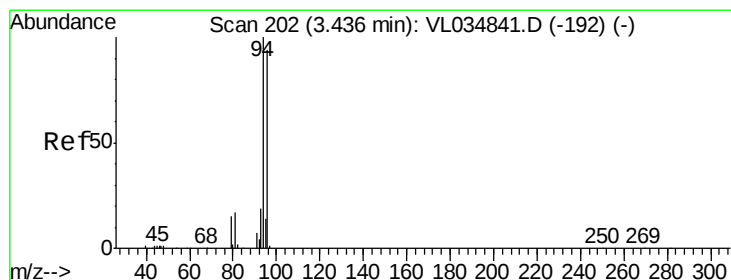
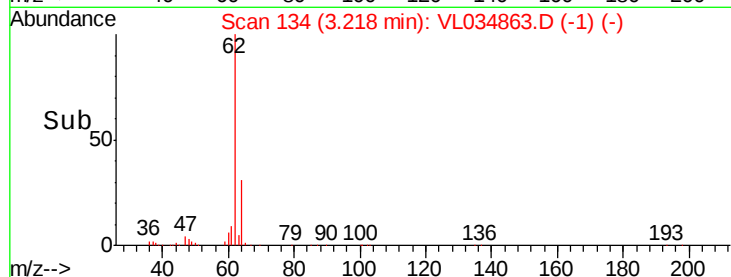
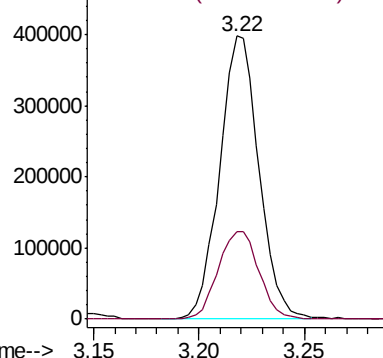
62 100

64 30.9 23.0 34.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.756 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034863.D

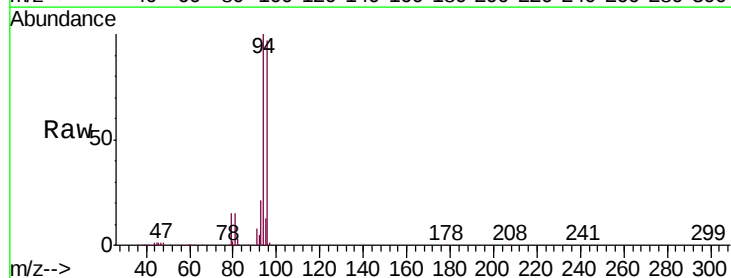
Acq: 10 Mar 2020 11:30

Tgt Ion: 94 Resp: 309816

Ion Ratio Lower Upper

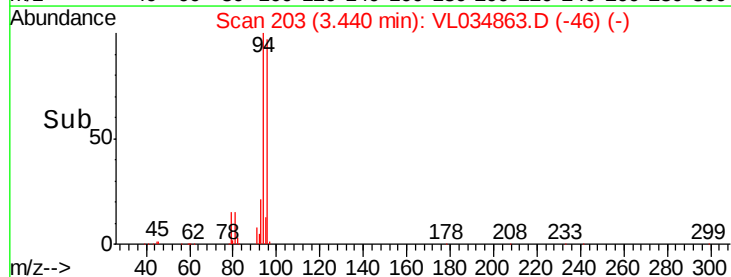
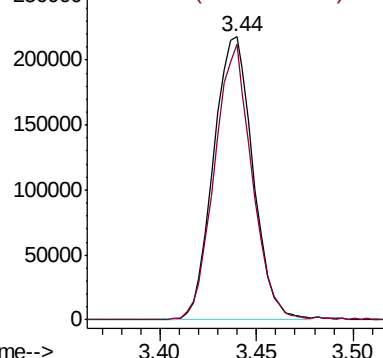
94 100

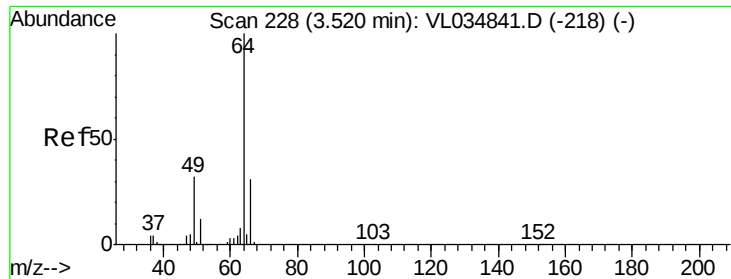
96 97.4 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.551 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

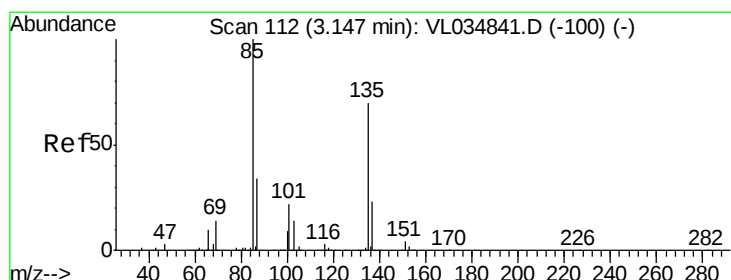
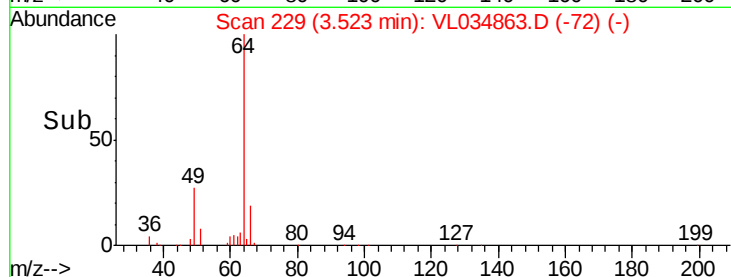
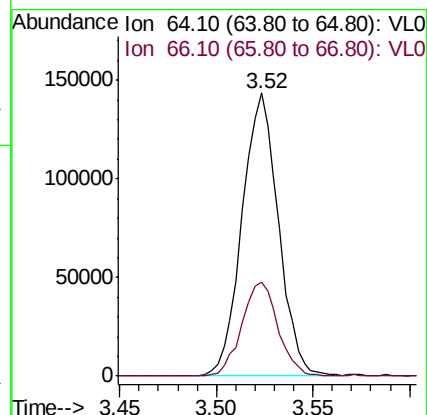
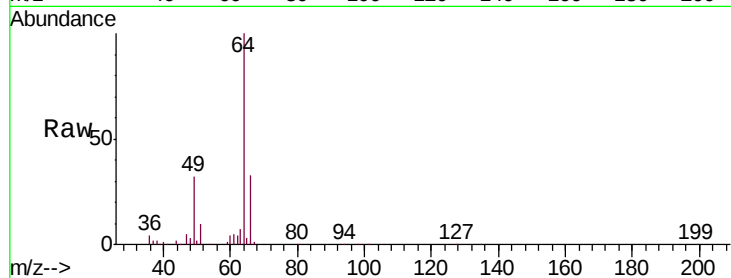
ClientSampleId :

Tgt Ion: 64 Resp: 188149

Ion Ratio Lower Upper

64 100

66 33.2 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.136 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034863.D

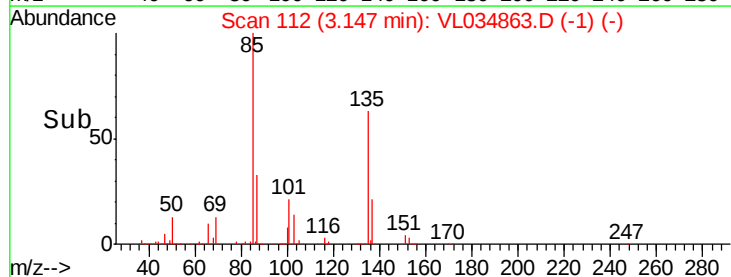
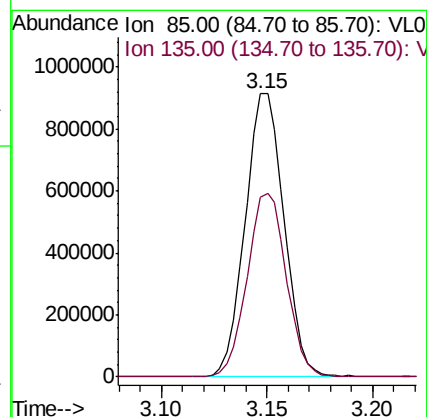
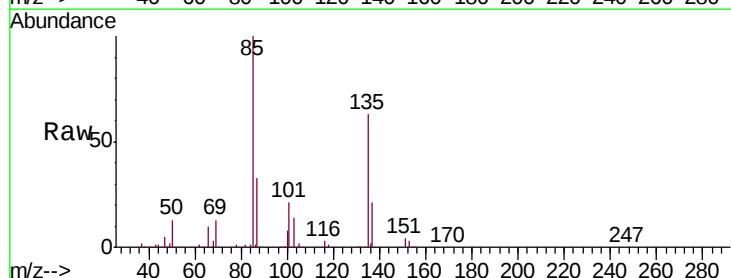
Acq: 10 Mar 2020 11:30

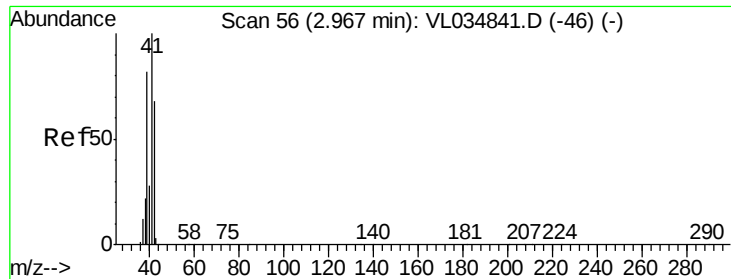
Tgt Ion: 85 Resp: 1167682

Ion Ratio Lower Upper

85 100

135 65.6 54.3 81.5





#9

Propene

Concen: 9.096 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

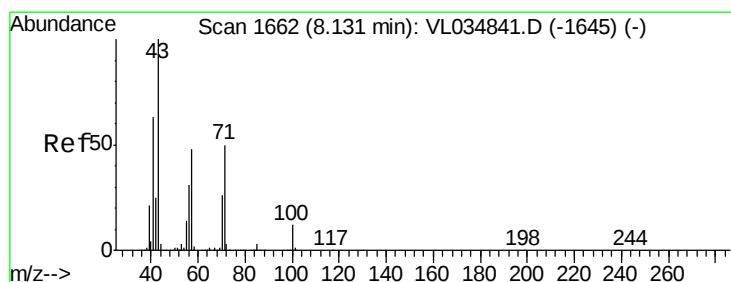
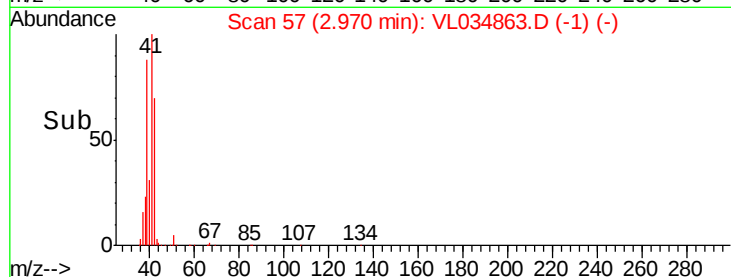
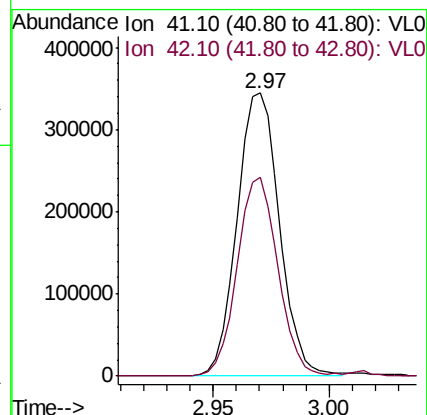
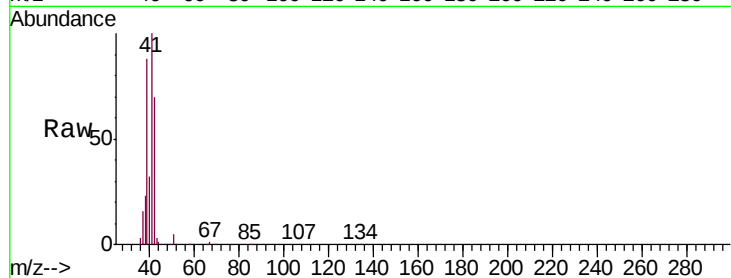
ClientSampleId :

Tgt Ion: 41 Resp: 435990

Ion Ratio Lower Upper

41 100

42 68.8 55.2 82.8



#10

Heptane

Concen: 9.658 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL034863.D

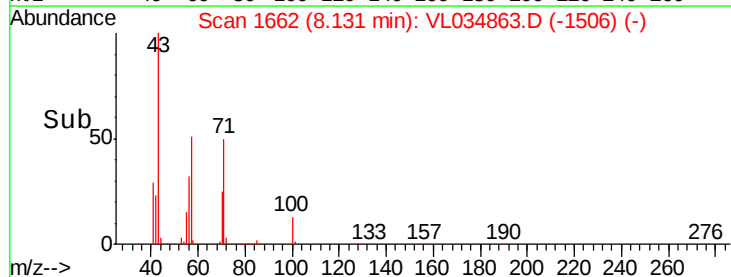
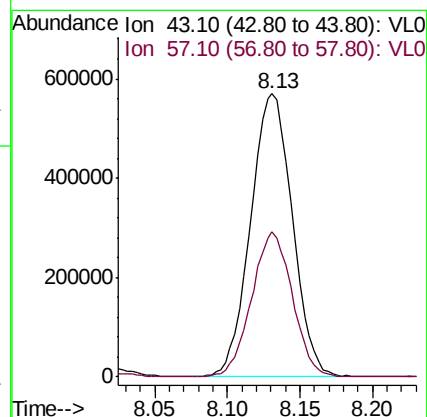
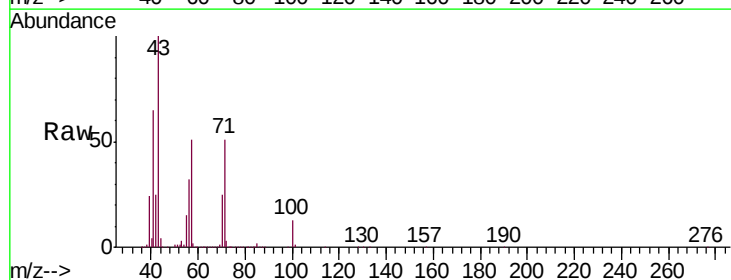
Acq: 10 Mar 2020 11:30

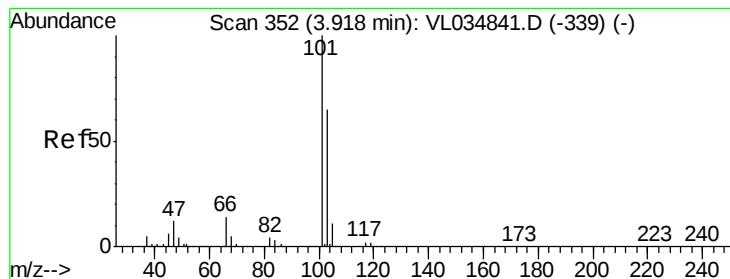
Tgt Ion: 43 Resp: 1139334

Ion Ratio Lower Upper

43 100

57 50.1 39.7 59.5





#11

Trichlorofluoromethane

Concen: 9.106 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

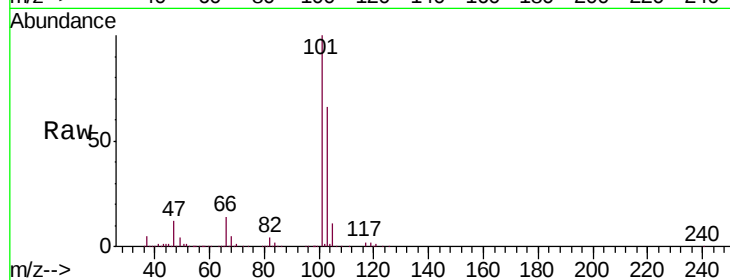
ClientSampleId :

Tgt Ion:101 Resp: 1192266

Ion Ratio Lower Upper

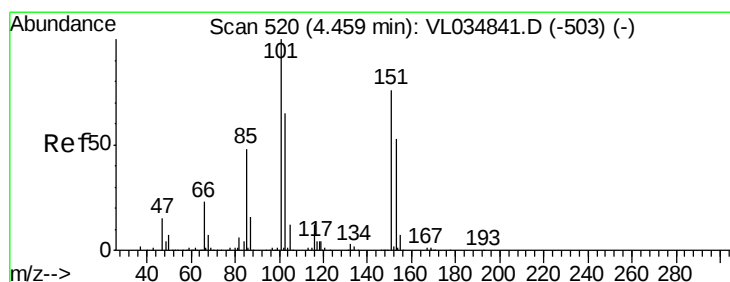
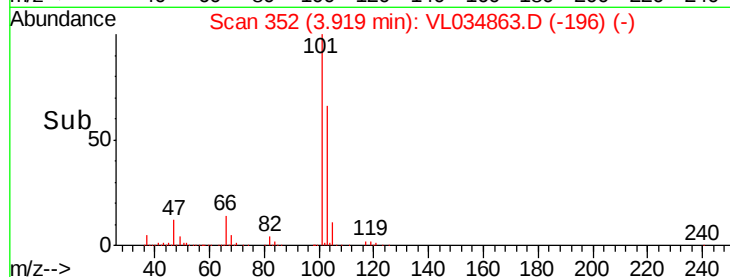
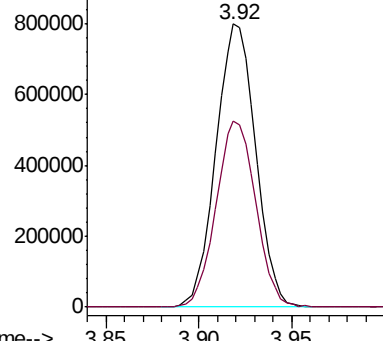
101 100

103 65.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.210 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL034863.D

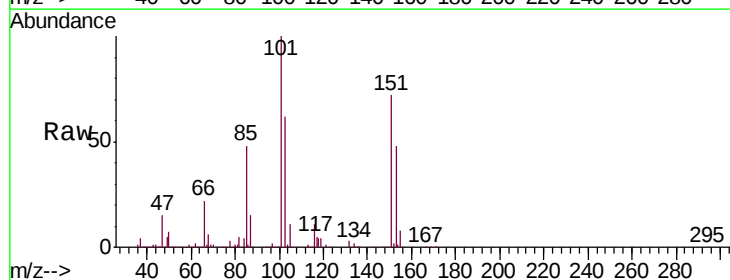
Acq: 10 Mar 2020 11:30

Tgt Ion:101 Resp: 844024

Ion Ratio Lower Upper

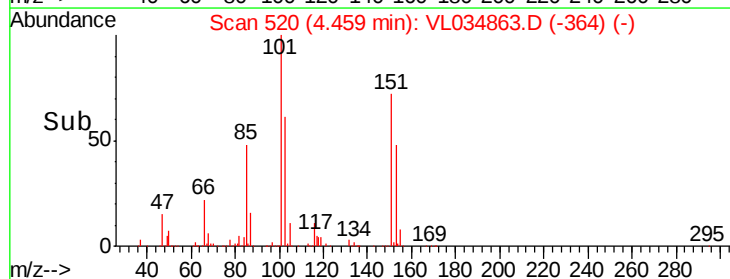
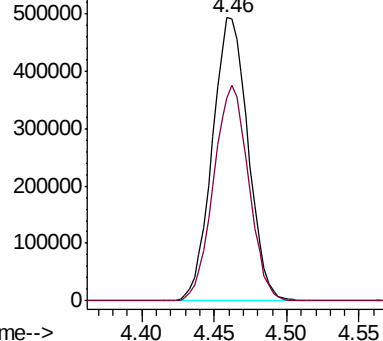
101 100

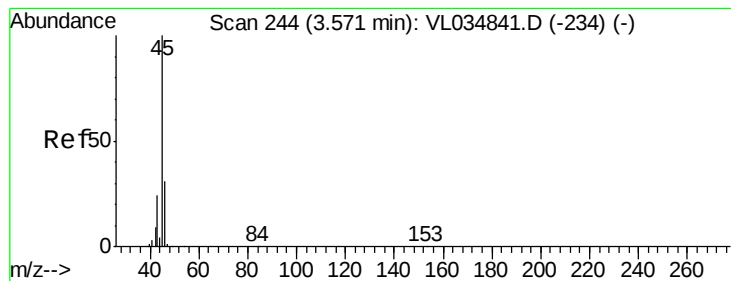
151 75.0 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.898 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

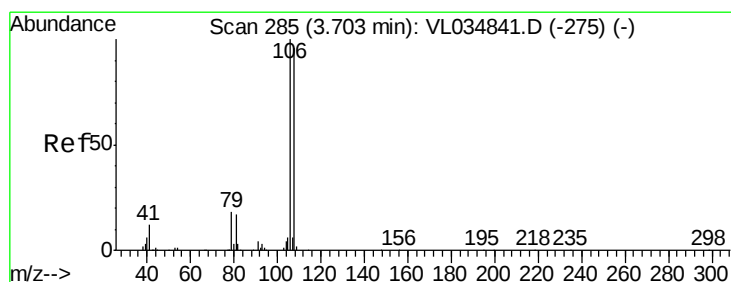
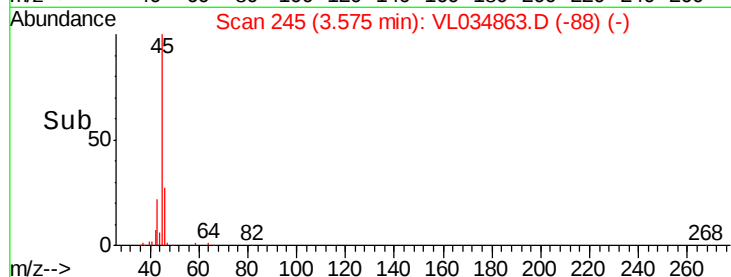
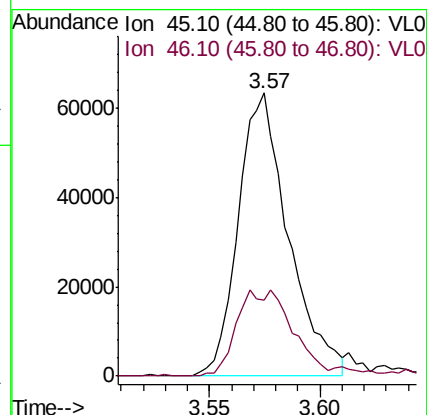
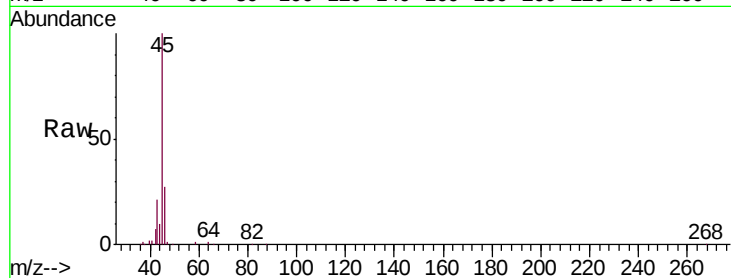
ClientSampleId :

Tgt Ion: 45 Resp: 100521

Ion Ratio Lower Upper

45 100

46 35.3 16.0 64.0



#14

Bromoethene

Concen: 9.434 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

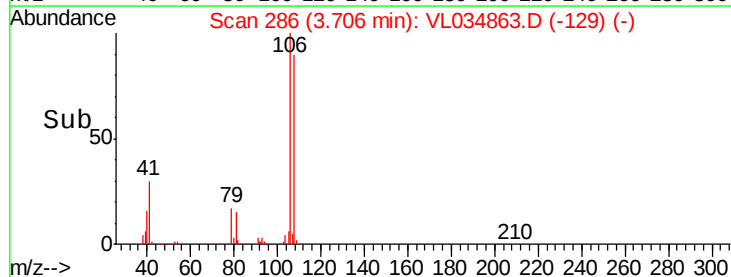
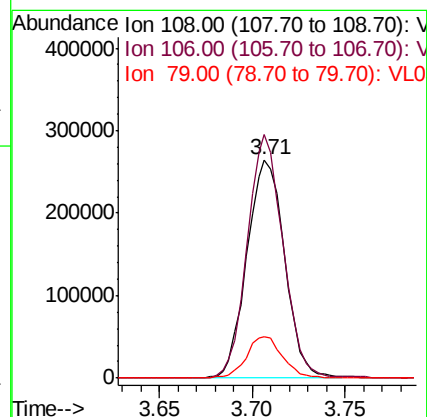
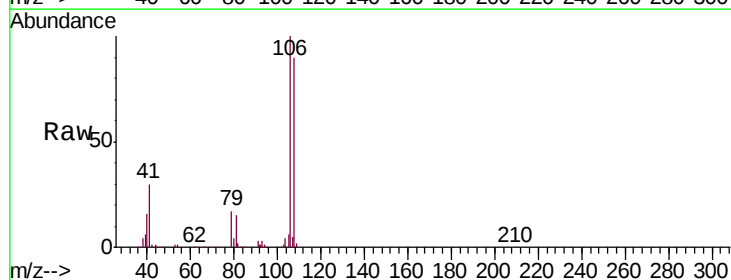
Tgt Ion: 108 Resp: 373353

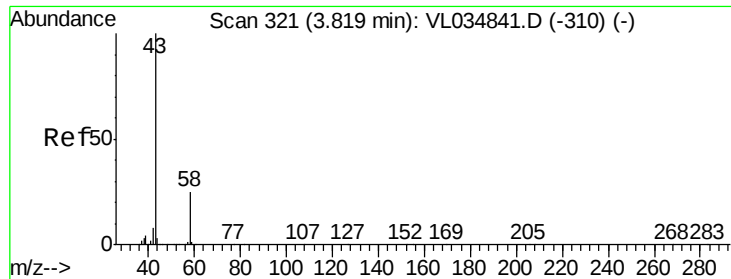
Ion Ratio Lower Upper

108 100

106 106.0 85.1 127.7

79 18.6 14.7 22.1

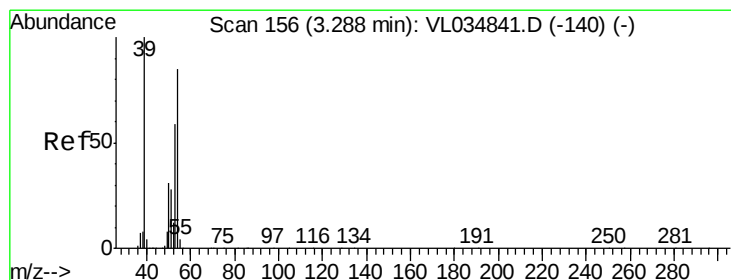
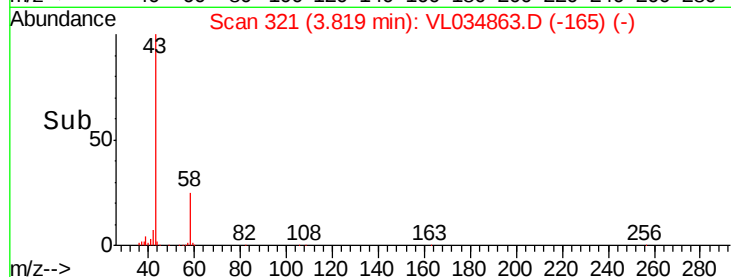
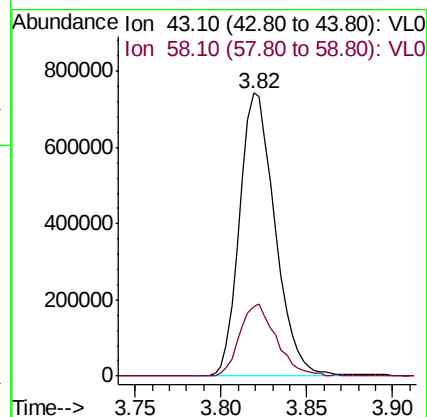
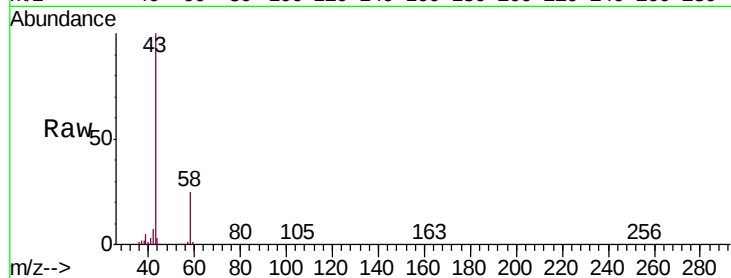




#15
Acetone
Concen: 9.202 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

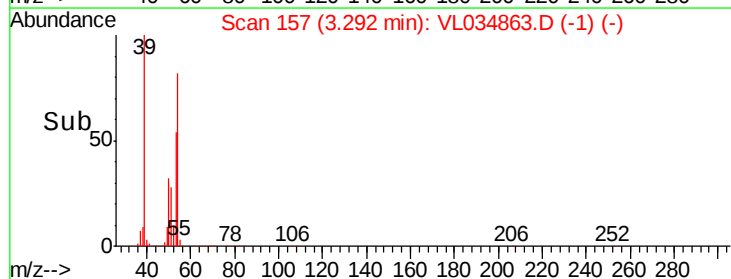
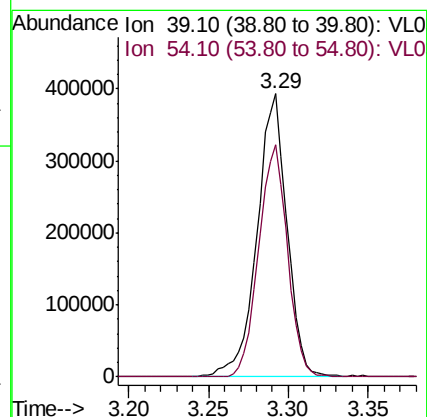
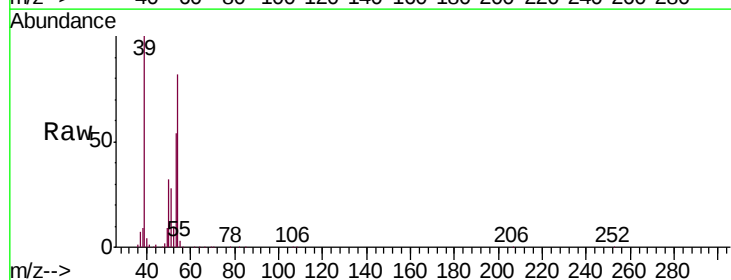
Instrument :
MSVOA_L
ClientSampleId :

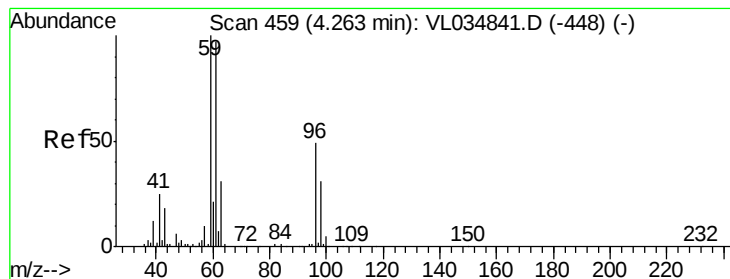
Tgt Ion: 43 Resp: 1071939
Ion Ratio Lower Upper
43 100
58 26.5 21.0 31.6



#16
1,3-Butadiene
Concen: 9.584 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 39 Resp: 504864
Ion Ratio Lower Upper
39 100
54 78.8 65.0 97.6



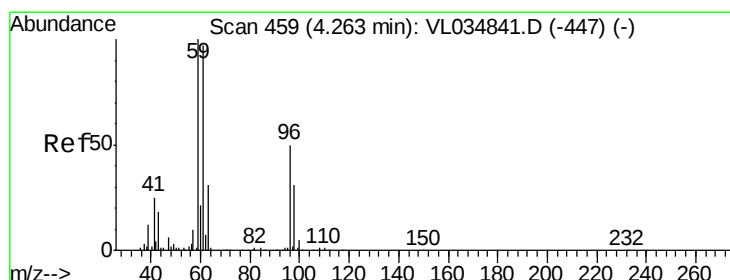
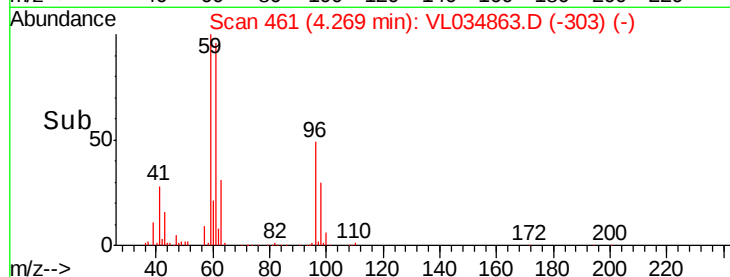
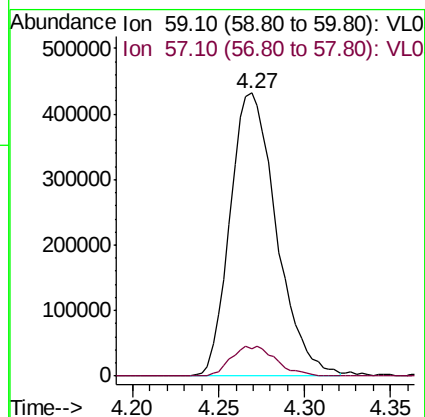
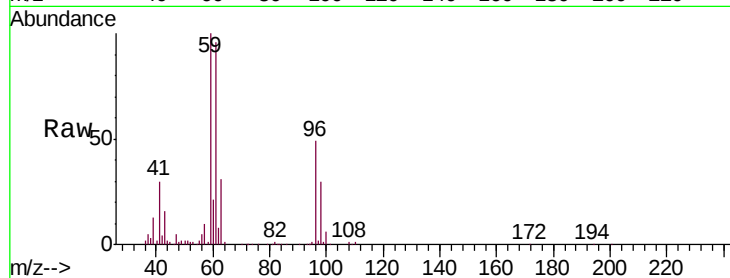


#17

tert-Butyl alcohol
Concen: 7.214 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Instrument :
MSVOA_L
ClientSampled :

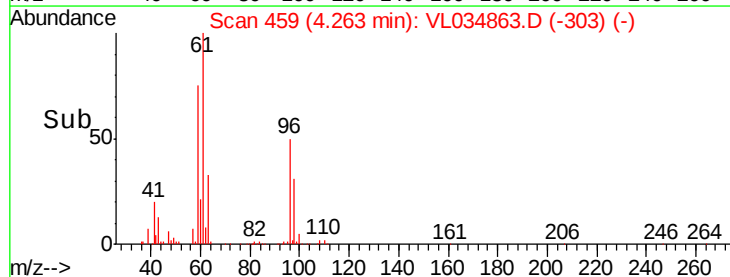
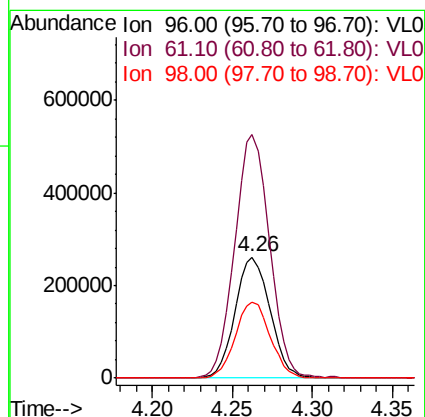
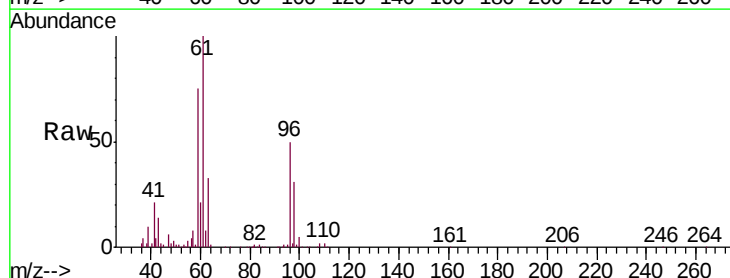
Tgt Ion: 59 Resp: 809552
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

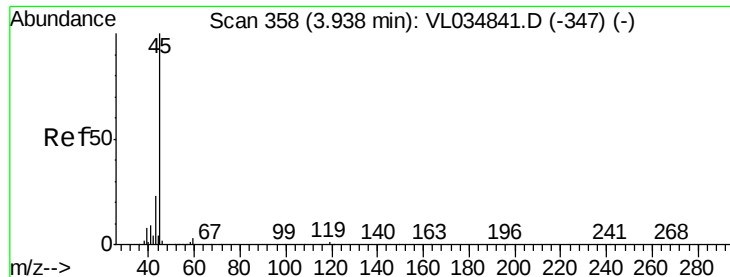


#18

1,1-Dichloroethene
Concen: 9.584 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 96 Resp: 388943
Ion Ratio Lower Upper
96 100
61 200.6 157.3 235.9
98 62.7 50.2 75.4

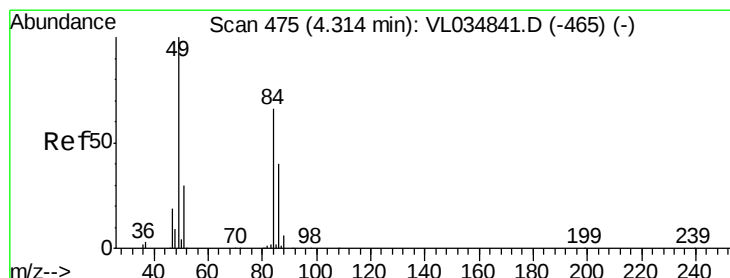
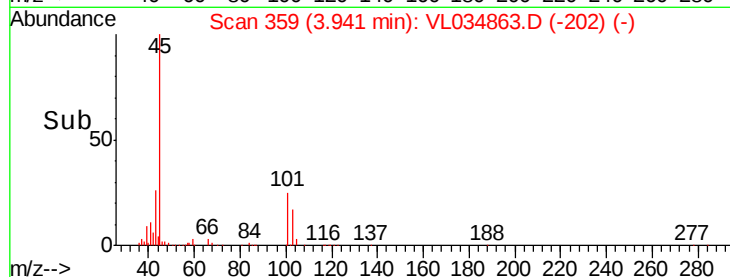
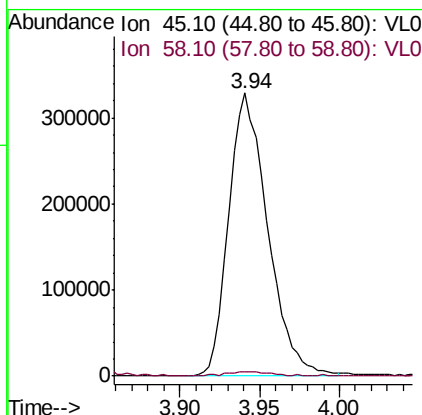
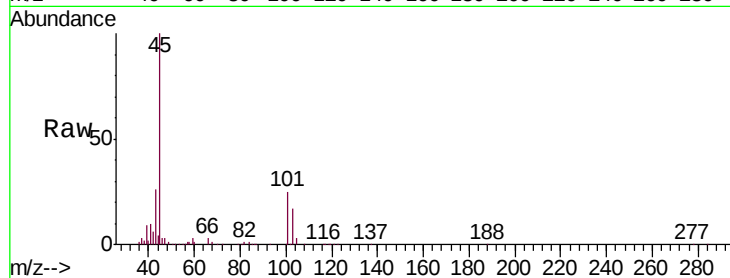




#19
Isopropyl Alcohol
Concen: 7.414 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

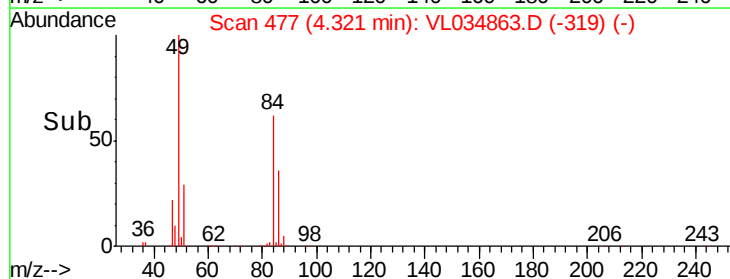
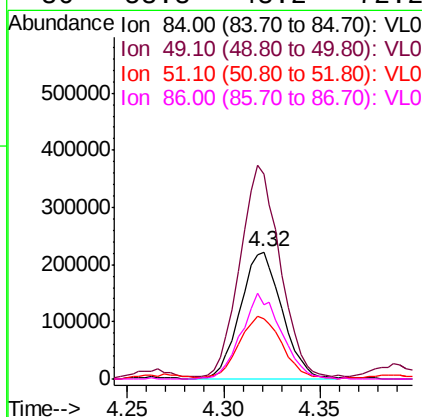
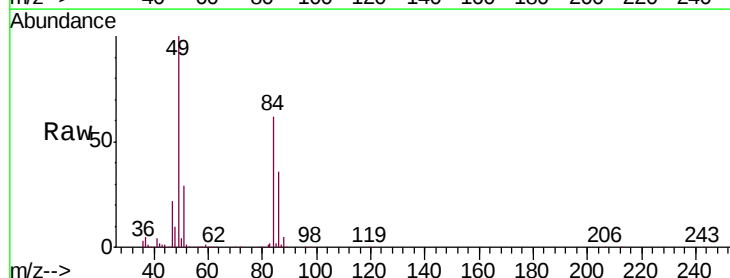
Instrument :
MSVOA_L
ClientSampleId :

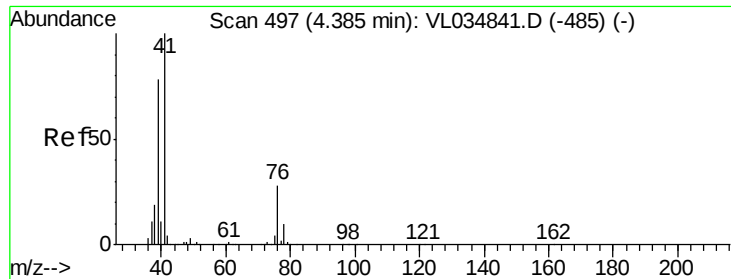
Tgt Ion: 45 Resp: 545392
Ion Ratio Lower Upper
45 100
58 2.2 30.5 45.7#



#20
Methylene Chloride
Concen: 8.950 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 84 Resp: 329638
Ion Ratio Lower Upper
84 100
49 159.0 121.5 182.3
51 47.5 36.6 55.0
86 58.8 48.2 72.2





#21

Allyl Chloride

Concen: 9.394 ppbv

RT: 4.39 min Scan# 498

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

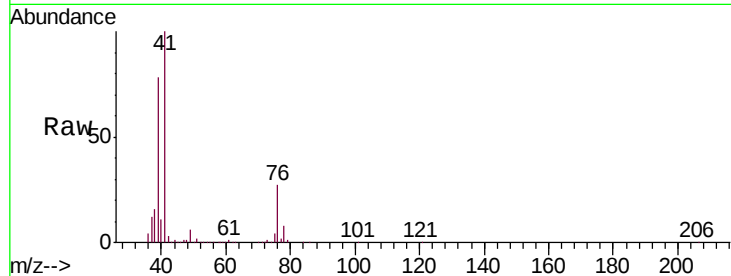
Tgt Ion: 41 Resp: 702775

Ion Ratio Lower Upper

41 100

76 28.0 22.2 33.2

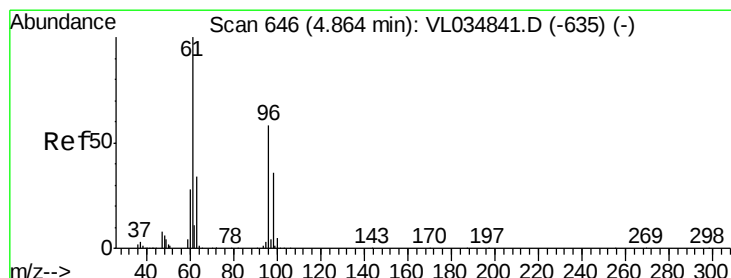
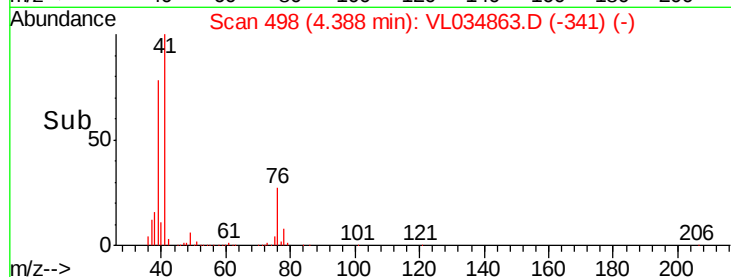
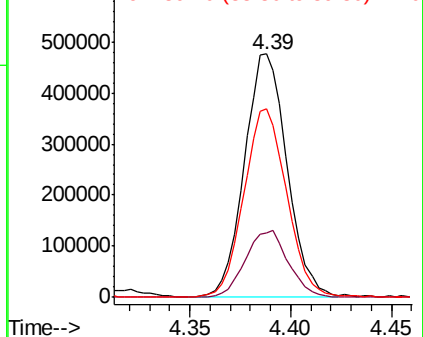
39 78.1 62.6 93.8



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: 9.422 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

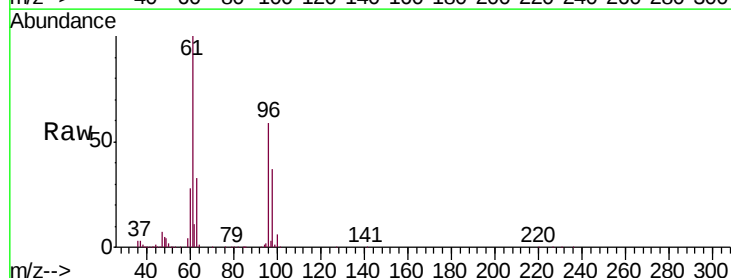
Tgt Ion: 96 Resp: 387898

Ion Ratio Lower Upper

96 100

61 169.0 139.0 208.6

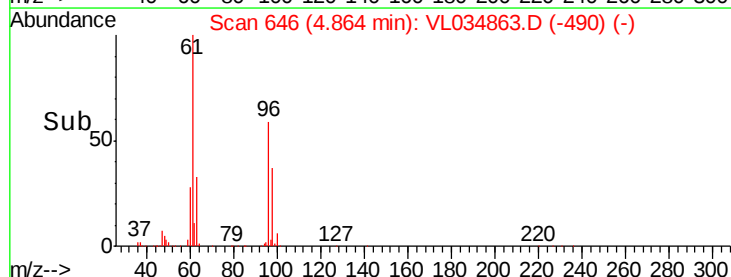
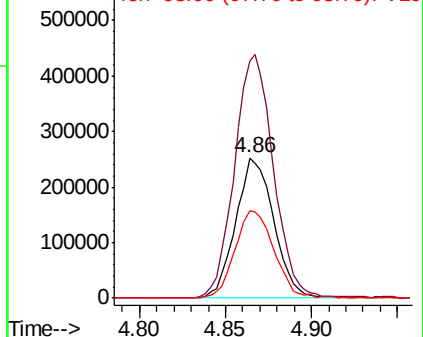
98 62.1 50.3 75.5

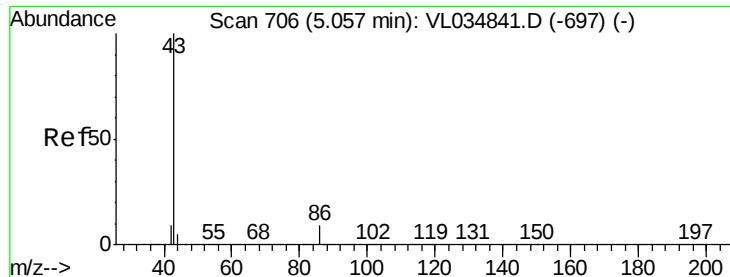


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.687 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 1666935

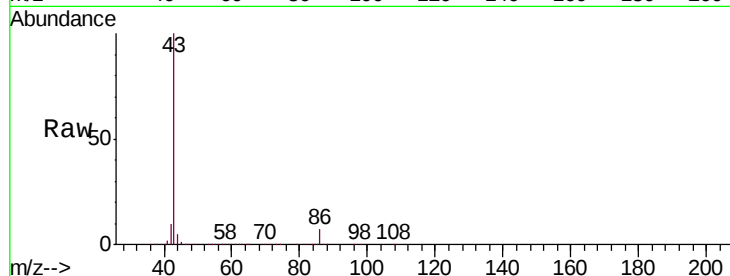
Ion Ratio Lower Upper

43 100

86 7.5 6.3 9.5

42 10.4 7.8 11.8

44 5.2 4.0 6.0

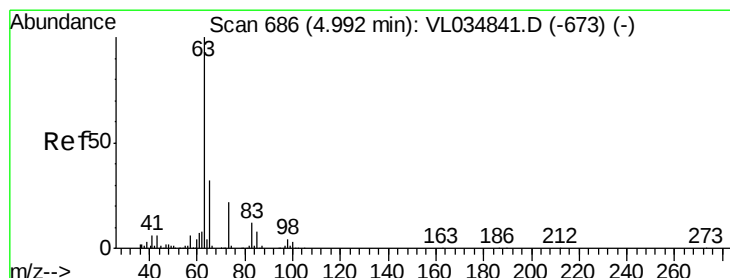
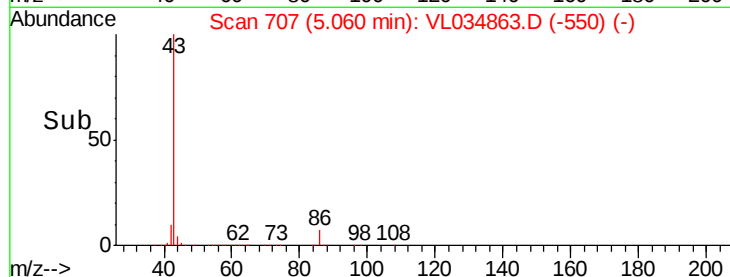
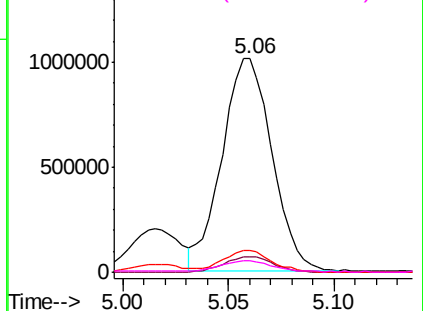


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.423 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

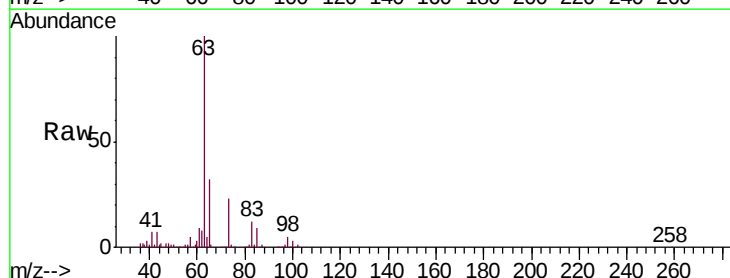
Tgt Ion: 63 Resp: 1087017

Ion Ratio Lower Upper

63 100

98 4.6 2.0 5.8

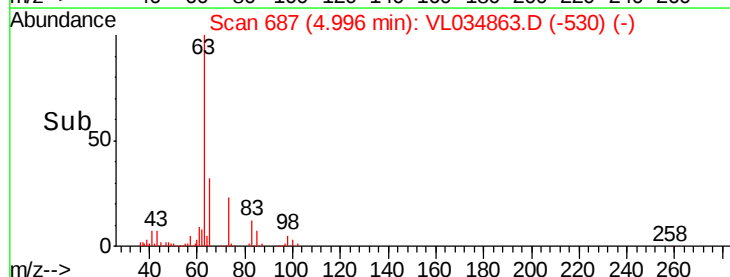
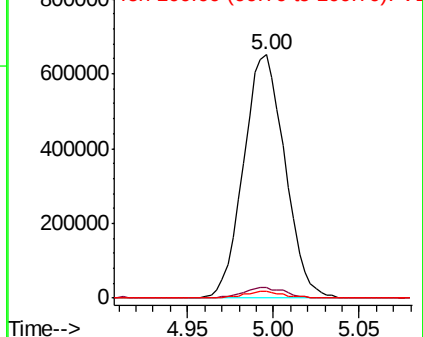
100 2.9 1.4 4.0

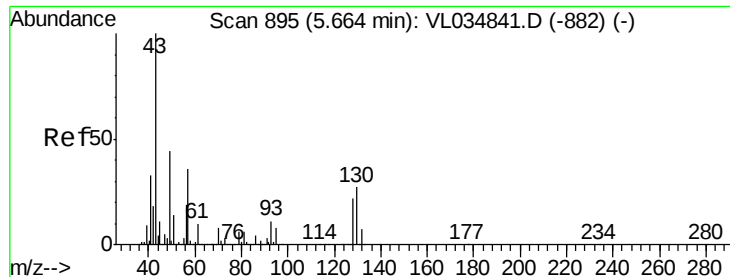


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



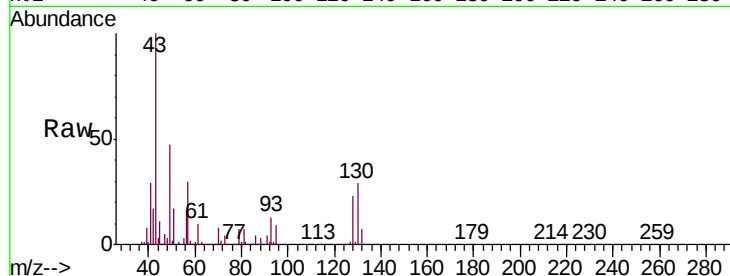


#25
Ethyl Acetate
Concen: 9.224 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Instrument :
MSVOA_L
ClientSampled :

Tgt Ion: 43 Resp: 1914352

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.6	7.8	11.6
70	7.3	5.8	8.8



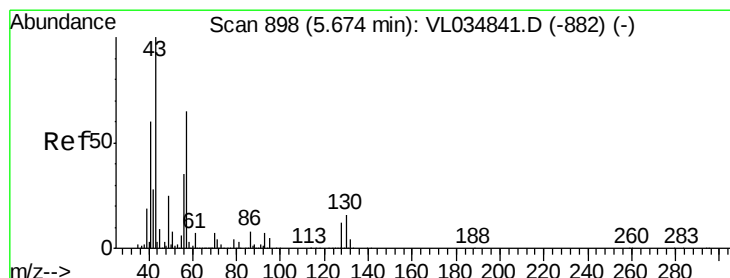
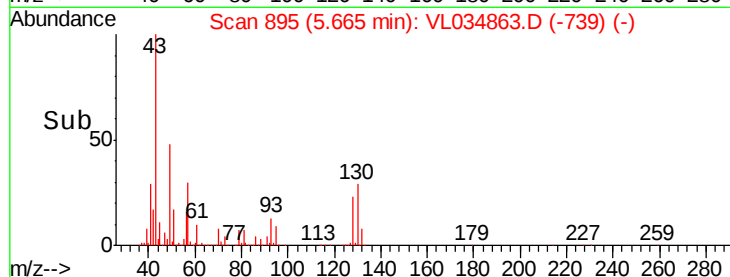
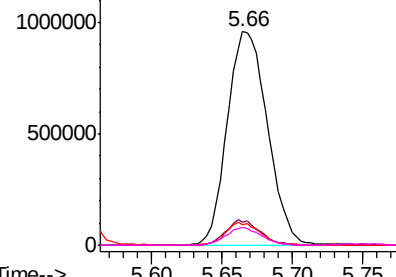
Abundance

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

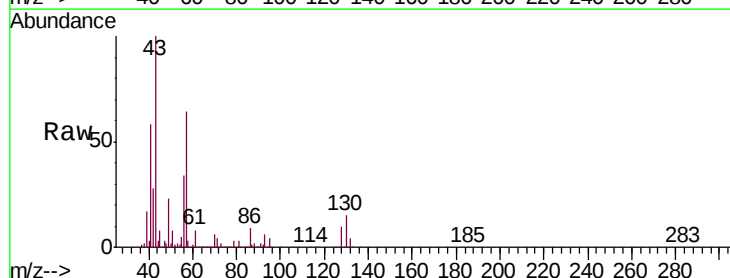
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.274 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 57 Resp: 828797

Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.6	109.0
43	233.0	183.8	275.6
56	53.8	41.9	62.9



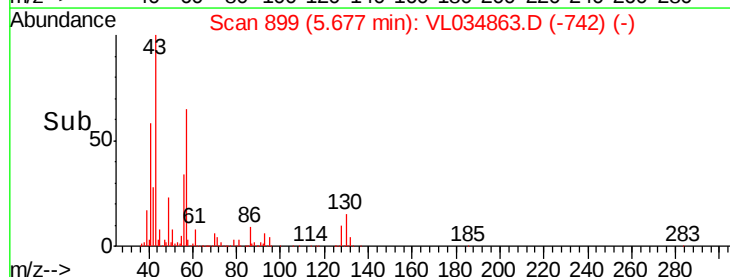
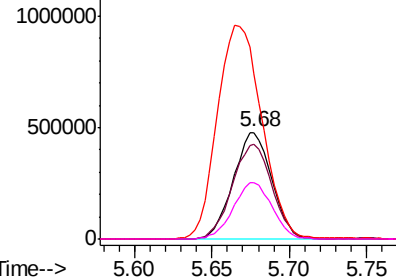
Abundance

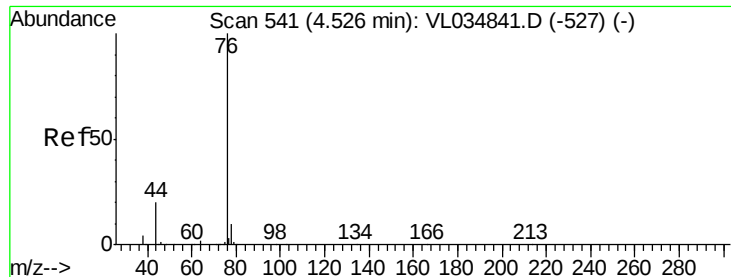
Ion 57.10 (56.80 to 57.80): VL0

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: 9.670 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

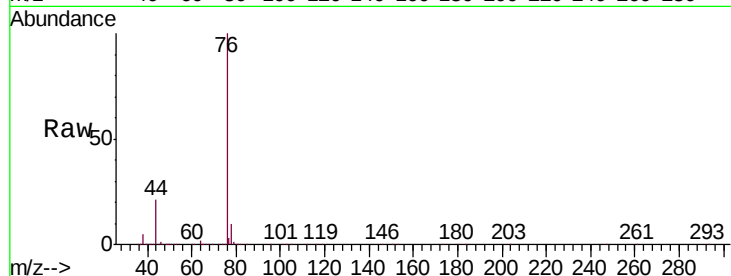
Tgt Ion: 76 Resp: 980622

Ion Ratio Lower Upper

76 100

44 20.6 16.2 24.2

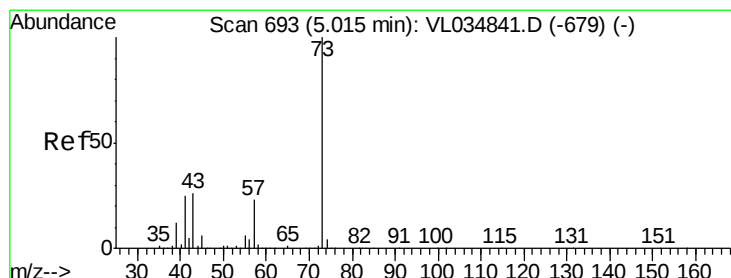
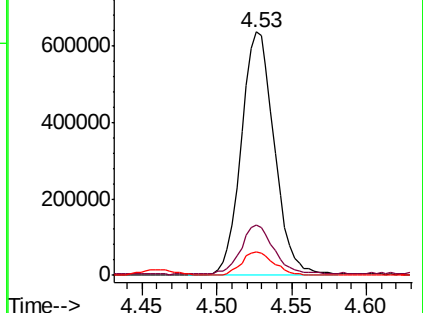
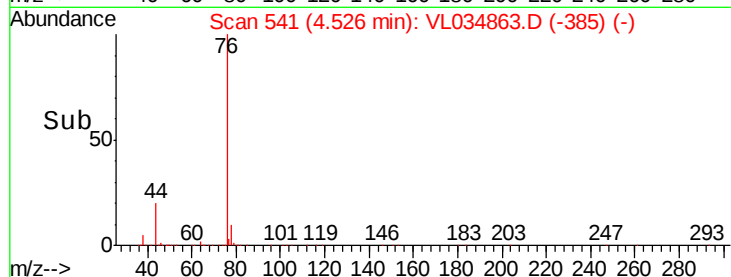
78 9.7 7.8 11.6



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: 9.057 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034863.D

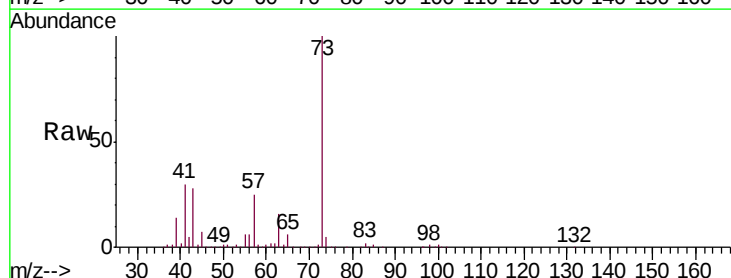
Acq: 10 Mar 2020 11:30

Tgt Ion: 73 Resp: 1346695

Ion Ratio Lower Upper

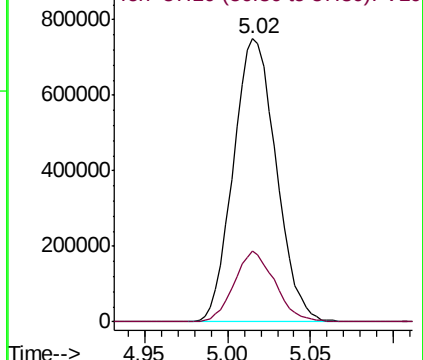
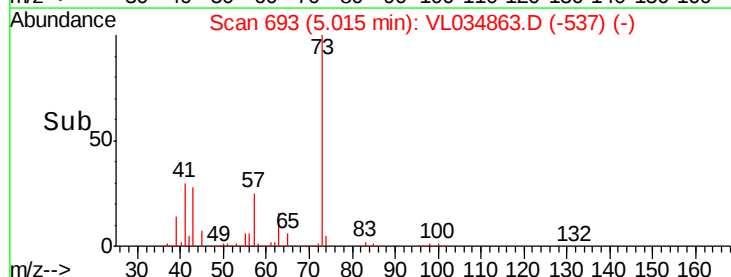
73 100

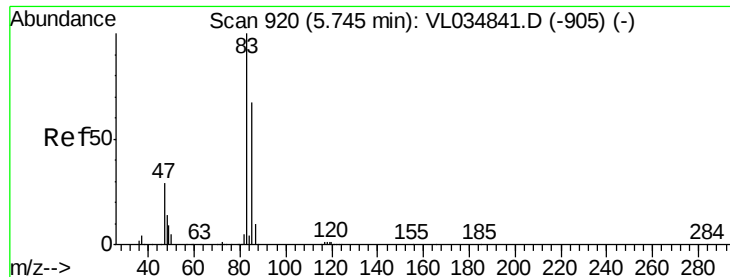
57 23.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.266 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

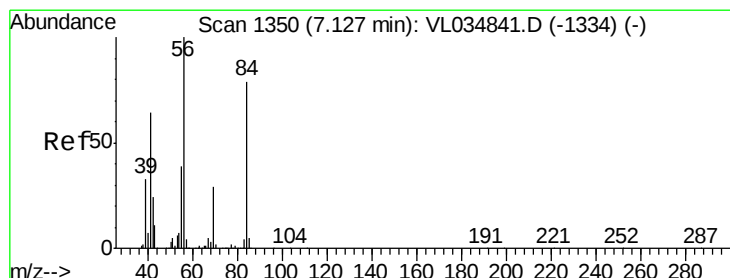
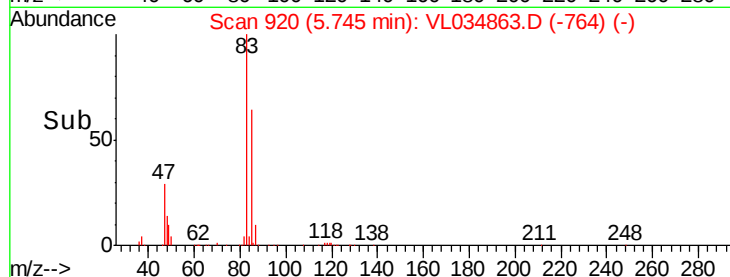
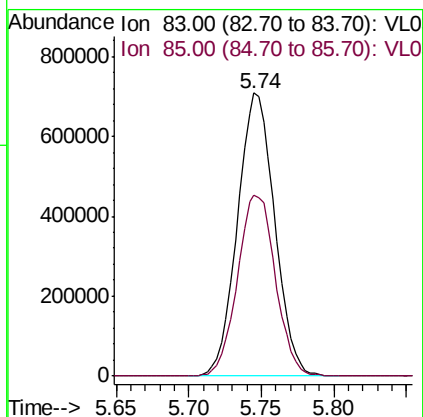
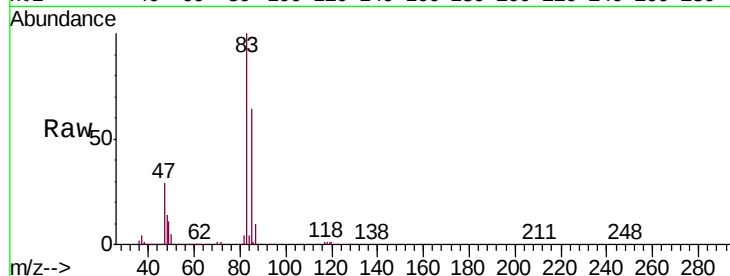
ClientSampleId :

Tgt Ion: 83 Resp: 1263403

Ion Ratio Lower Upper

83 100

85 64.1 53.8 80.6



#30

Cyclohexane

Concen: 9.535 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

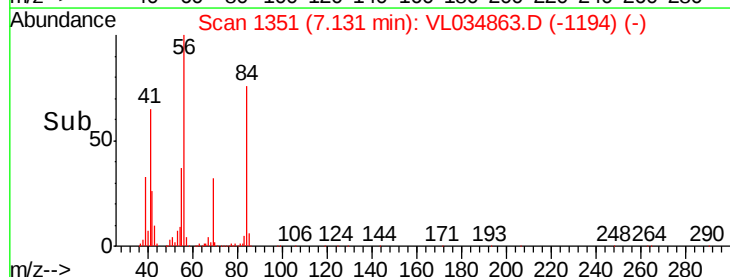
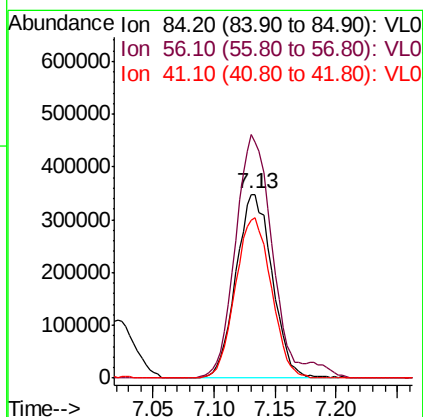
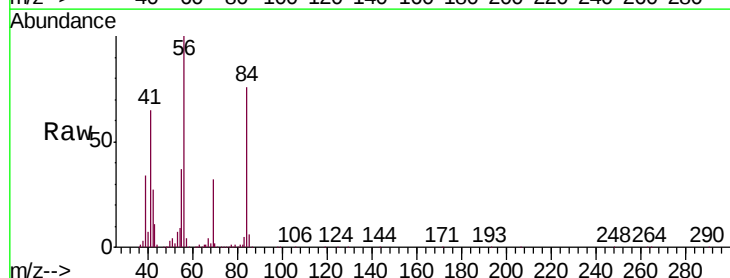
Tgt Ion: 84 Resp: 710945

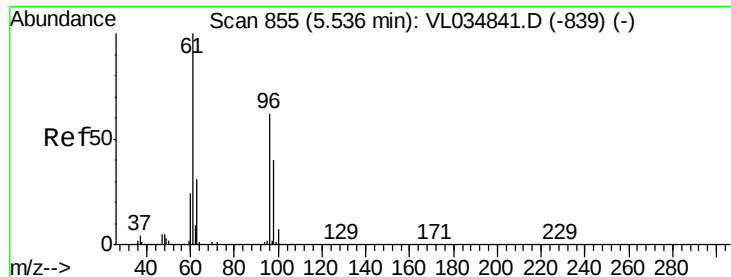
Ion Ratio Lower Upper

84 100

56 138.6 110.5 165.7

41 87.3 68.2 102.4



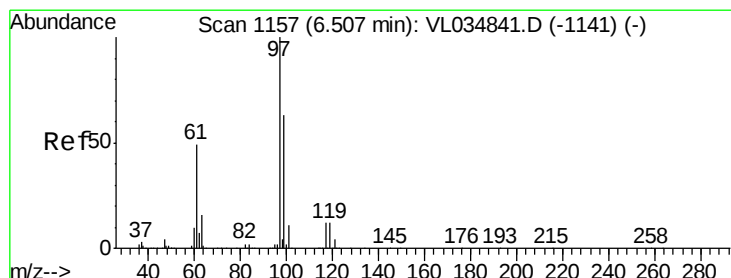
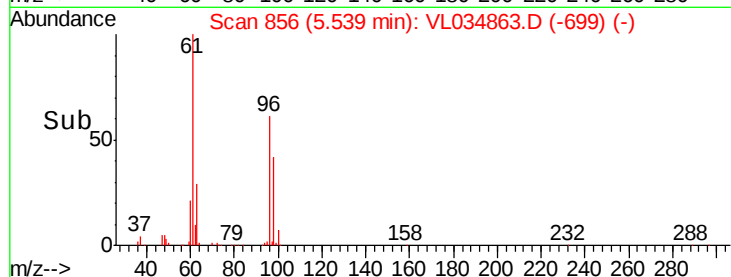
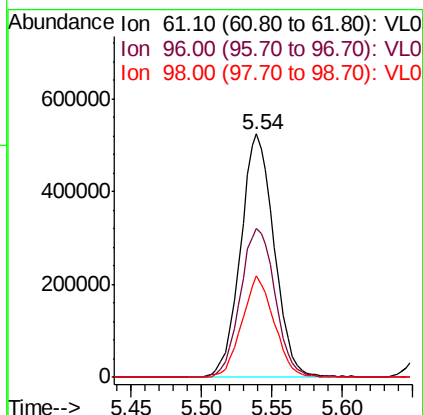
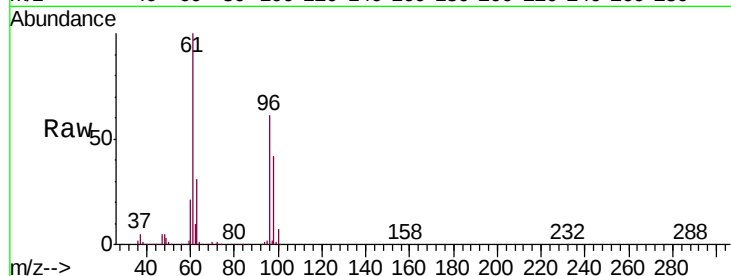


#31

cis-1,2-Dichloroethene
 Concen: 9.557 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :

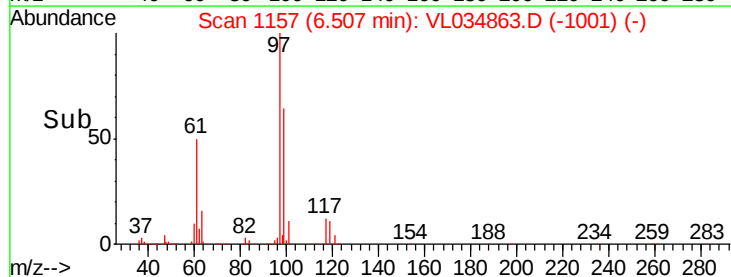
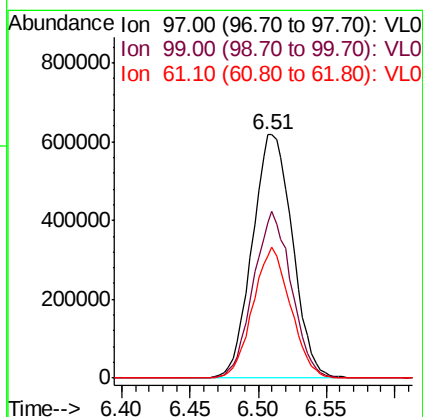
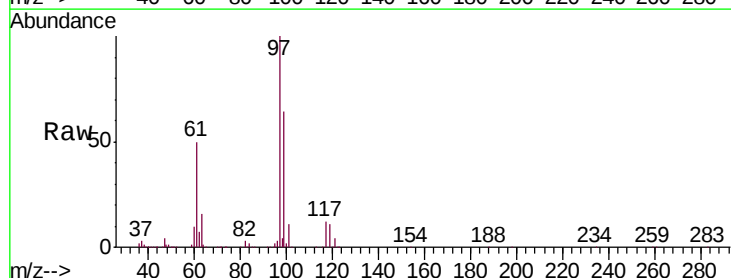
Tgt Ion: 61 Resp: 873443
 Ion Ratio Lower Upper
 61 100
 96 61.3 49.8 74.8
 98 41.7 32.2 48.4

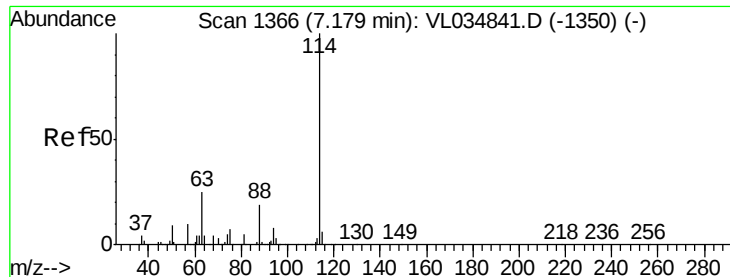


#32

1,1,1-Trichloroethane
 Concen: 9.498 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion: 97 Resp: 1261854
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.1 76.7
 61 50.5 39.7 59.5

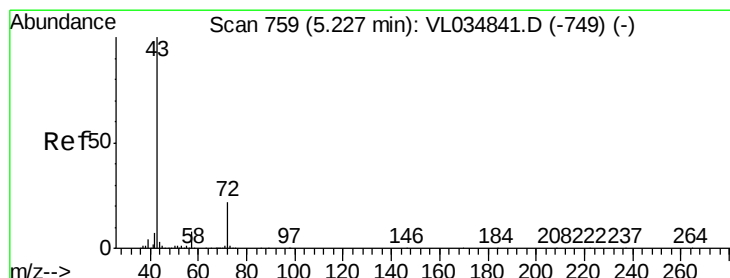
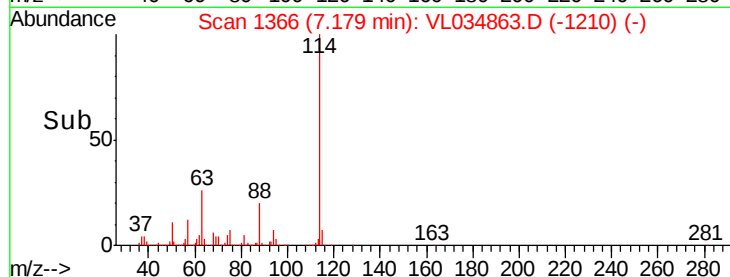
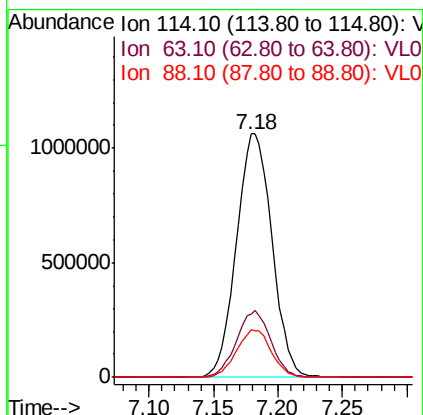
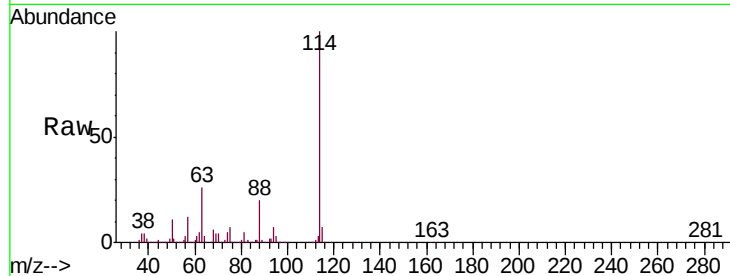




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

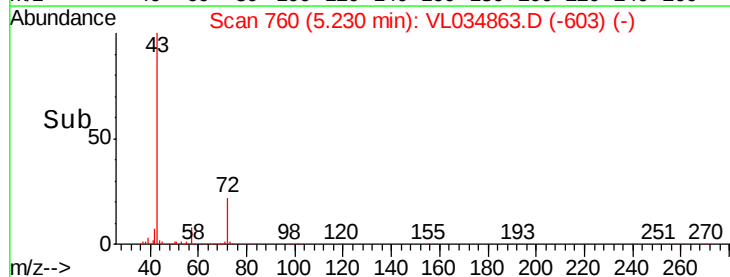
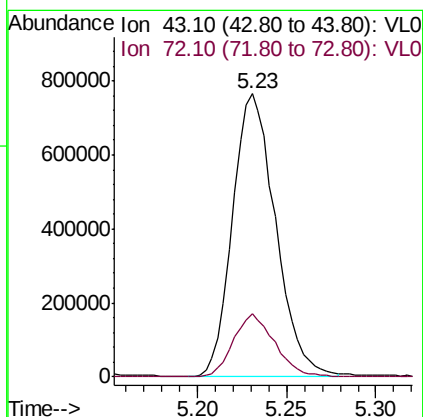
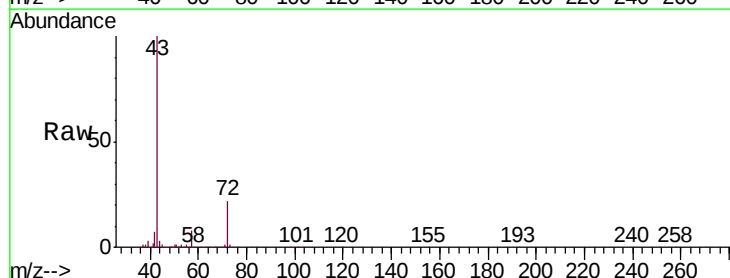
Instrument :
 MSVOA_L
 ClientSampled :

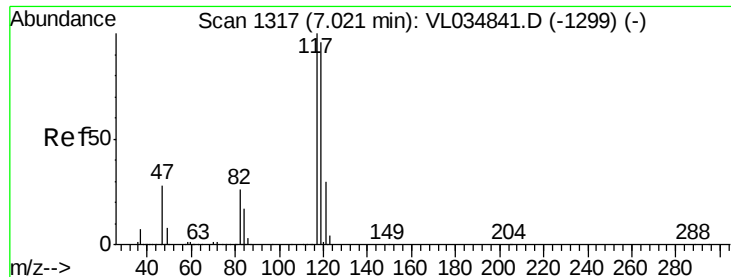
Tgt Ion: 114 Resp: 2036199
 Ion Ratio Lower Upper
 114 100
 63 26.9 20.6 31.0
 88 19.1 15.0 22.6



#34
 2-Butanone
 Concen: 9.462 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion: 43 Resp: 1280379
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.6 26.4





#35

Carbon Tetrachloride

Concen: 10.255 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

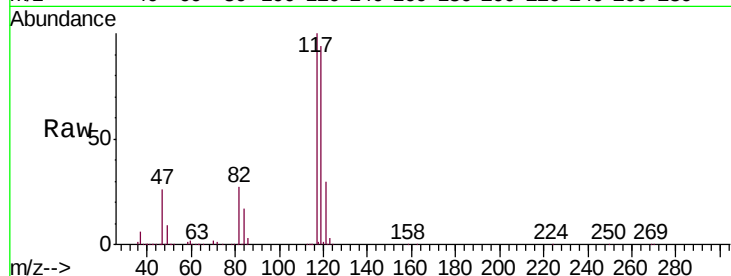
Tgt Ion:117 Resp: 1298687

Ion Ratio Lower Upper

117 100

119 93.5 77.0 115.4

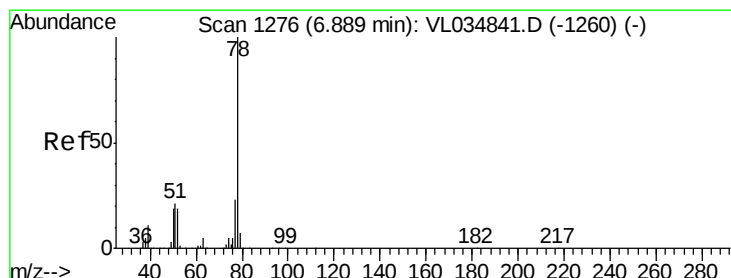
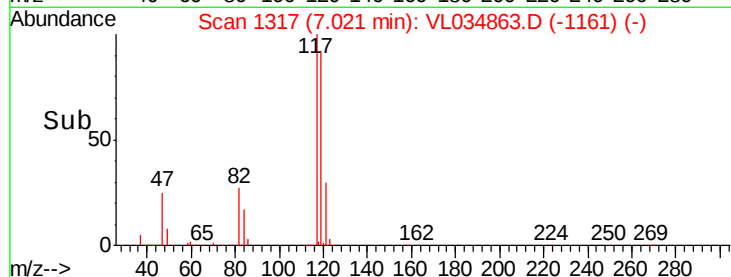
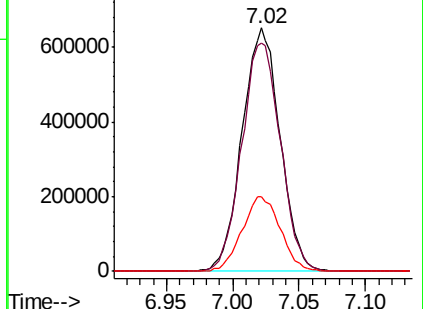
121 30.5 24.0 36.0



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: 9.396 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

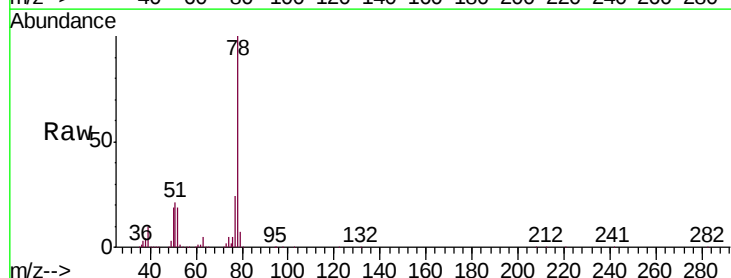
Tgt Ion: 78 Resp: 1705423

Ion Ratio Lower Upper

78 100

77 23.9 18.2 27.2

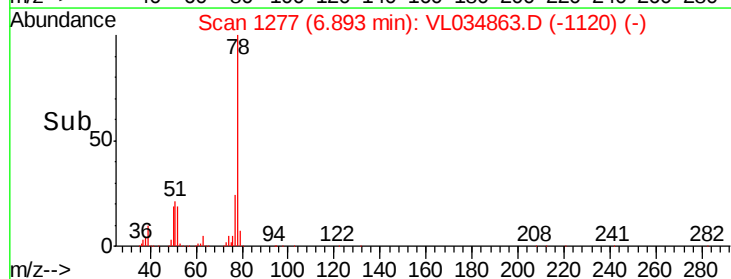
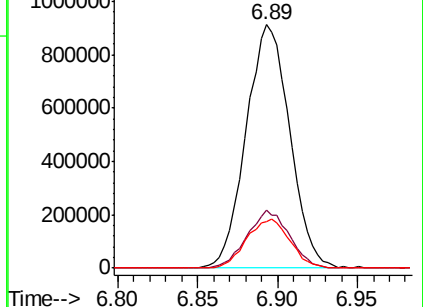
50 18.9 15.2 22.8

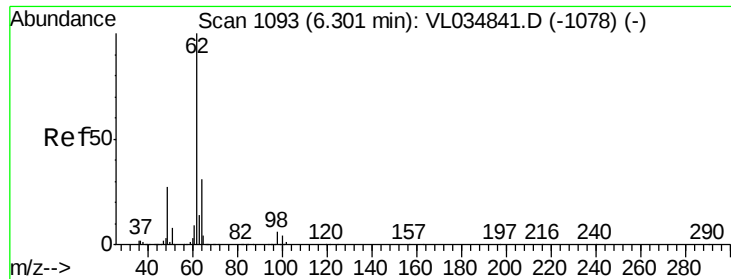


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

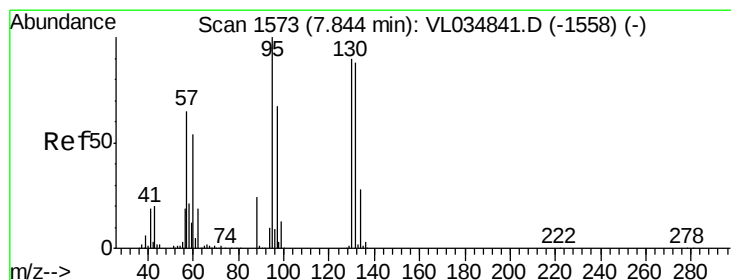
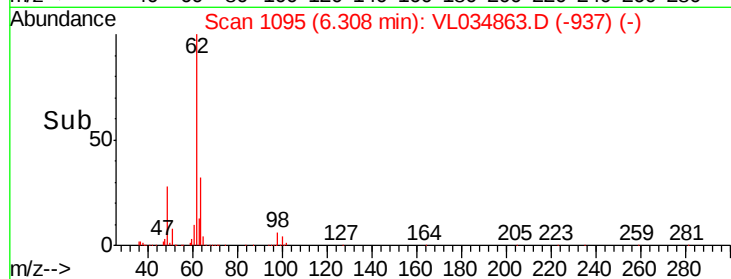
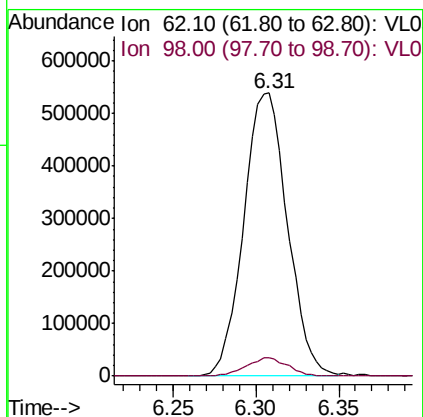
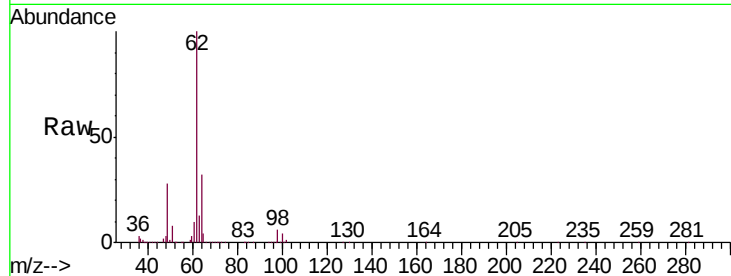




#37
 1,2-Dichloroethane
 Concen: 9.664 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

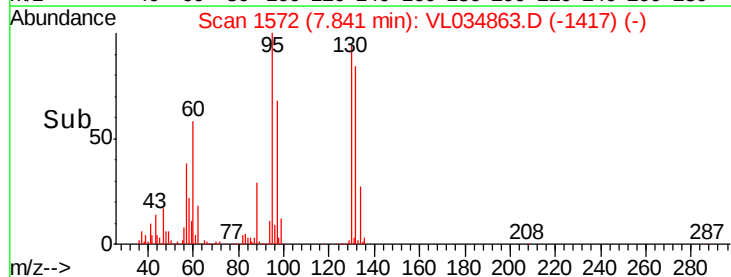
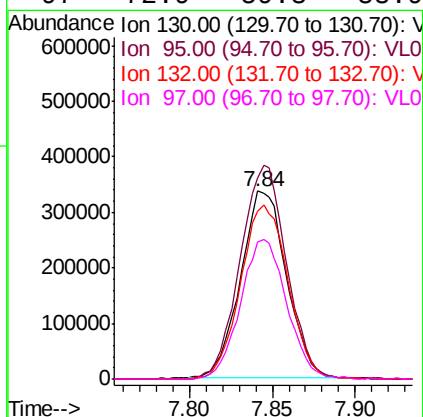
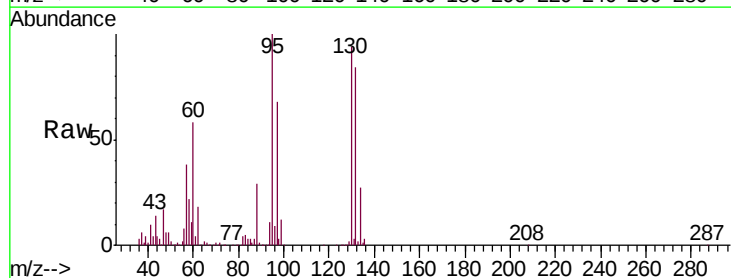
Instrument :
 MSVOA_L
 ClientSampleId :

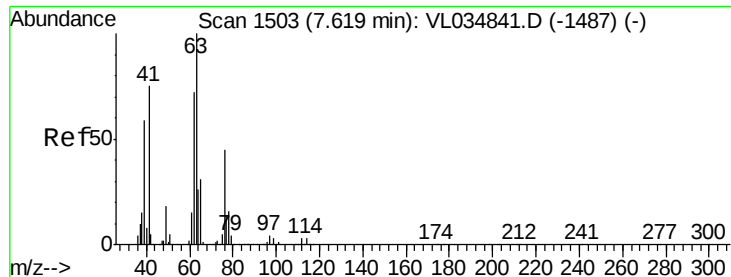
Tgt Ion: 62 Resp: 988988
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.2 7.8



#38
 Trichloroethene
 Concen: 9.426 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion: 130 Resp: 649768
 Ion Ratio Lower Upper
 130 100
 95 107.0 88.5 132.7
 132 89.6 78.0 117.0
 97 72.9 59.3 88.9

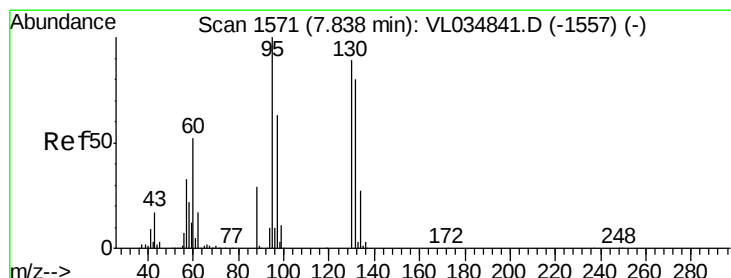
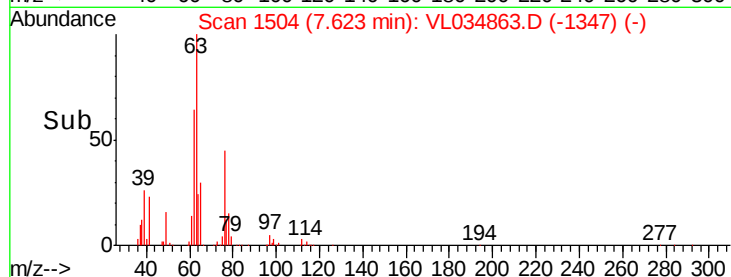
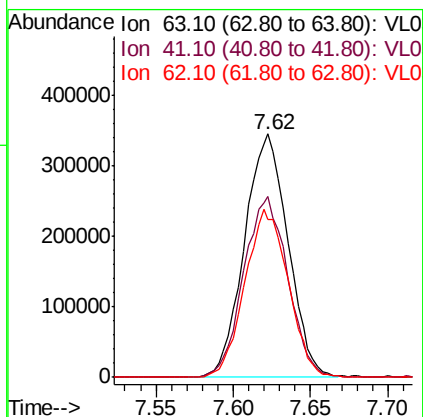
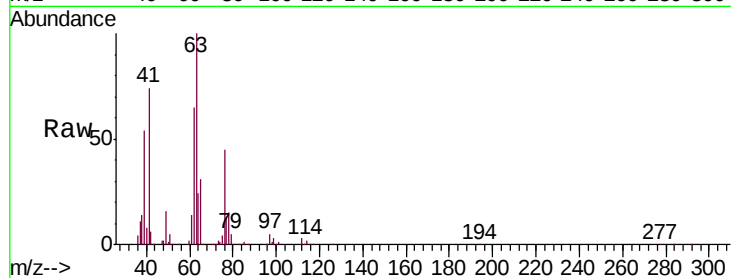




#39
 1,2-Dichloropropane
 Concen: 9.399 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

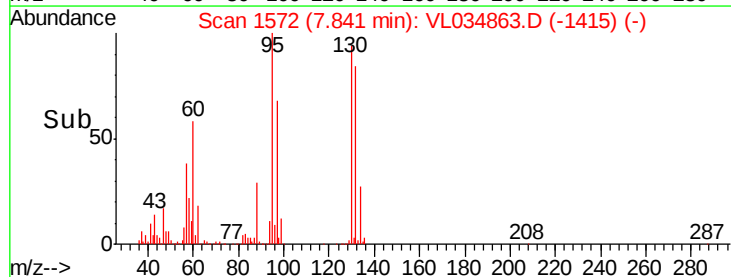
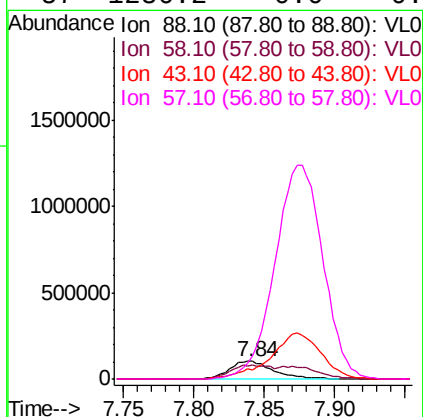
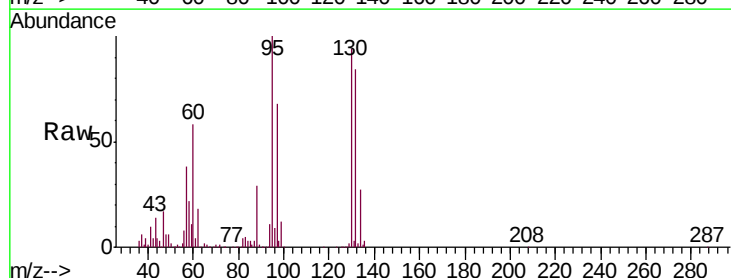
Instrument :
 MSVOA_L
 ClientSampleId :

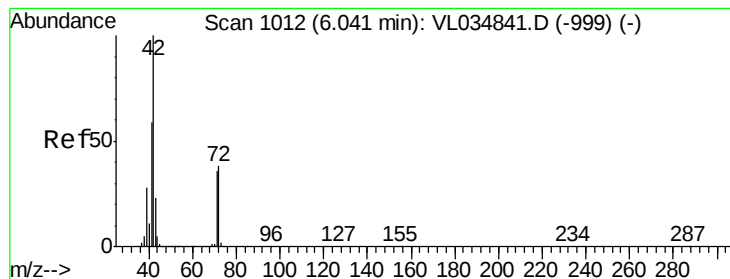
Tgt Ion: 63 Resp: 675837
 Ion Ratio Lower Upper
 63 100
 41 74.1 59.8 89.8
 62 64.6 57.6 86.4



#40
 1,4-Dioxane
 Concen: 8.422 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion: 88 Resp: 228720
 Ion Ratio Lower Upper
 88 100
 58 135.2 103.9 155.9
 43 292.8 0.0 0.0#
 57 1286.2 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.823 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampled :

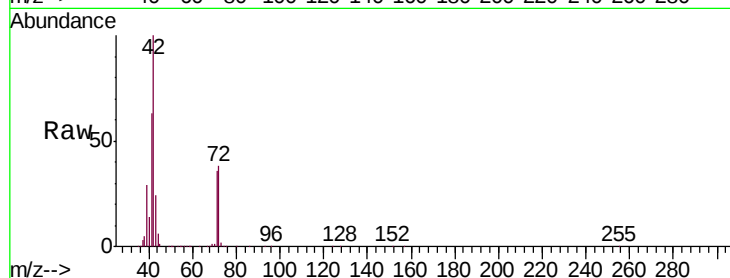
Tgt Ion: 42 Resp: 719264

Ion Ratio Lower Upper

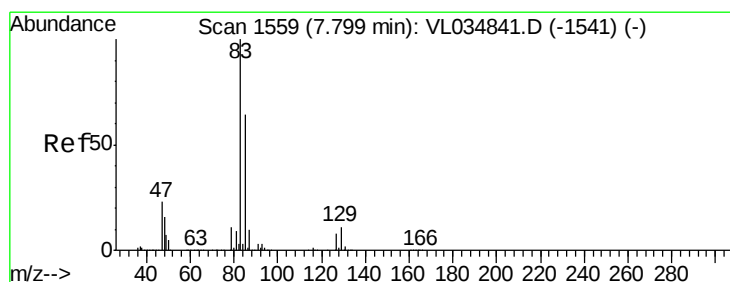
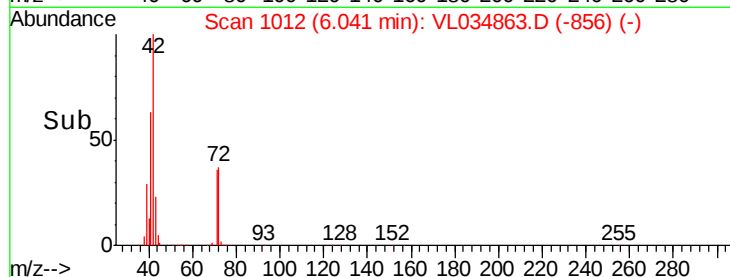
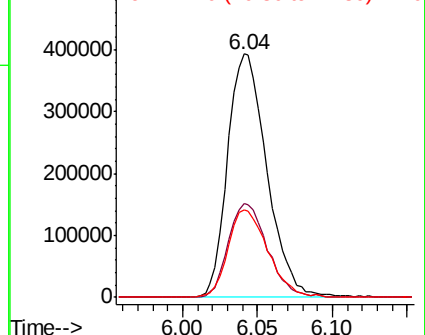
42 100

72 38.7 30.8 46.2

71 36.6 30.1 45.1



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: 9.701 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

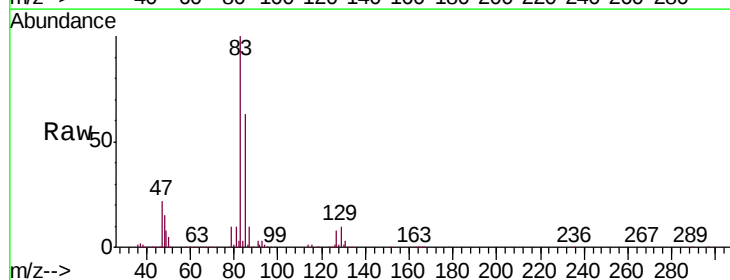
Tgt Ion: 83 Resp: 1353125

Ion Ratio Lower Upper

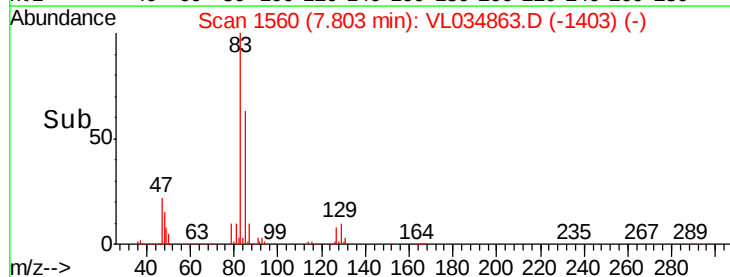
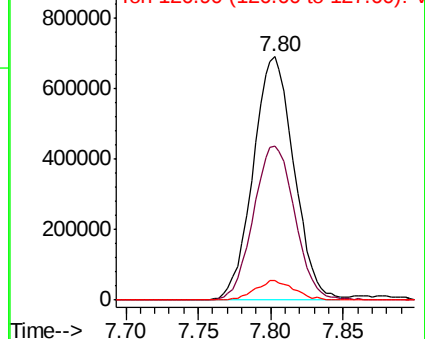
83 100

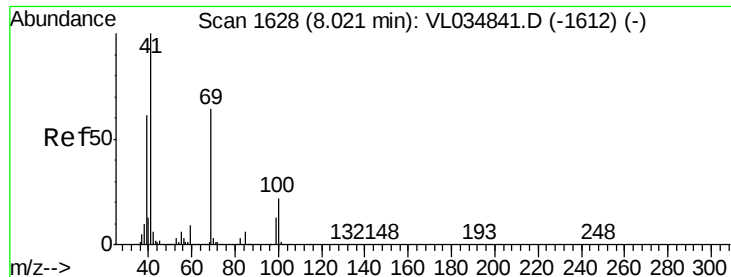
85 63.0 51.4 77.2

127 8.2 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

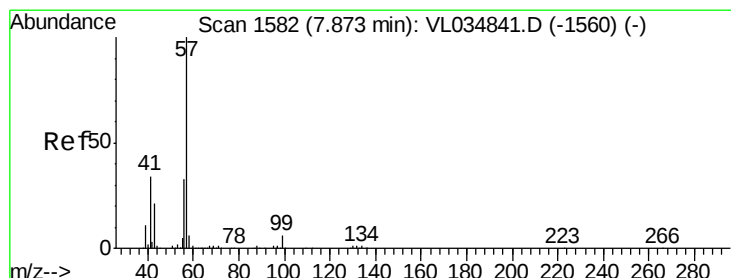
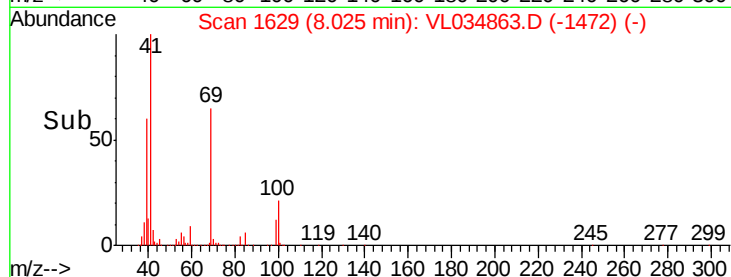
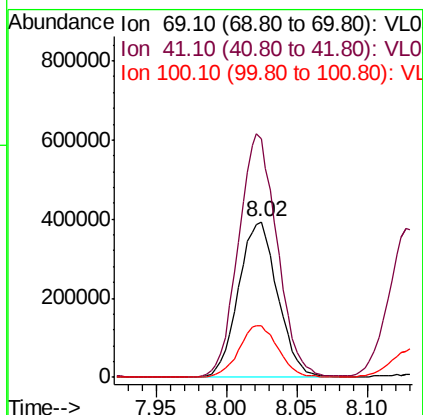
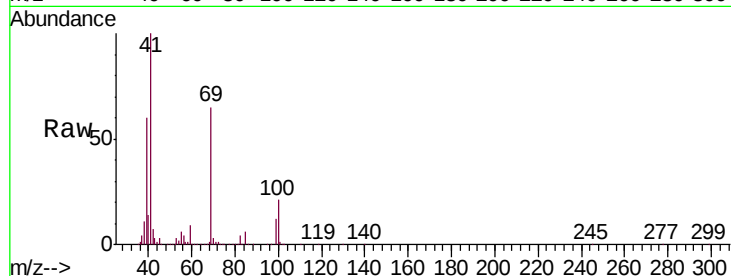




#43
Methyl Methacrylate
Concen: 10.035 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

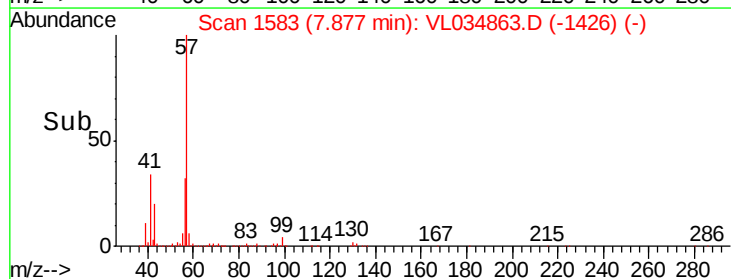
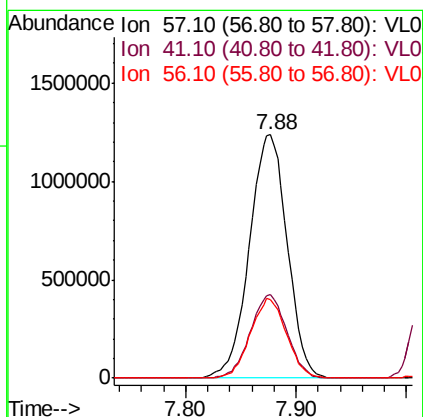
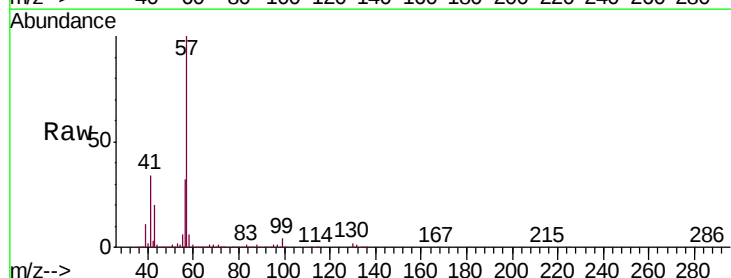
Instrument :
MSVOA_L
ClientSampleId :

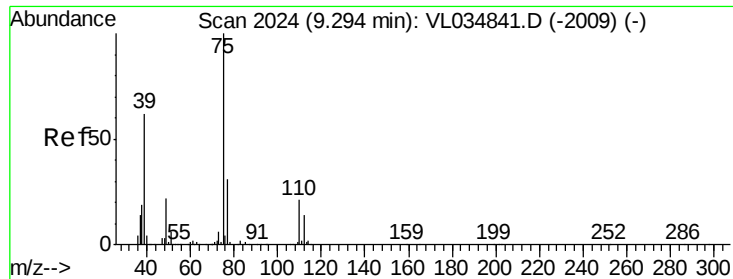
Tgt Ion: 69 Resp: 767331
Ion Ratio Lower Upper
69 100
41 153.8 123.2 184.8
100 33.2 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.580 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 57 Resp: 2938321
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.2 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 10.218 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

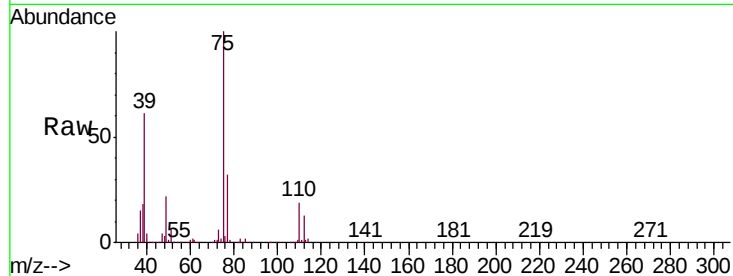
ClientSampleId :

Tgt Ion: 75 Resp: 917953

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

500000

400000

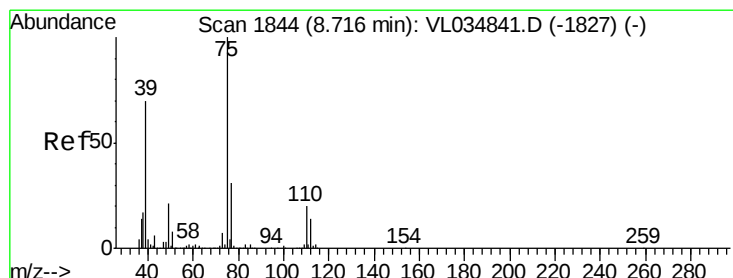
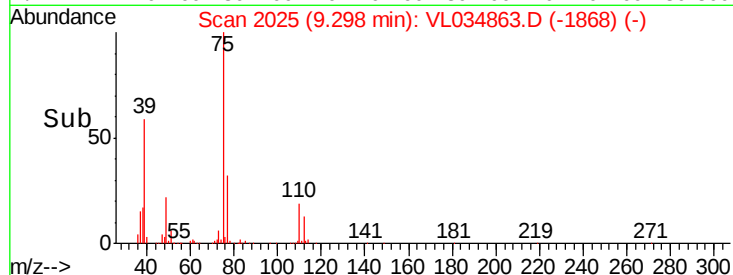
300000

200000

100000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 9.957 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

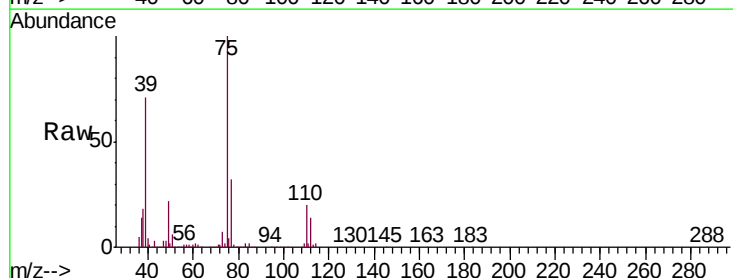
Tgt Ion: 75 Resp: 1062897

Ion Ratio Lower Upper

75 100

39 71.4 55.7 83.5

77 32.4 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

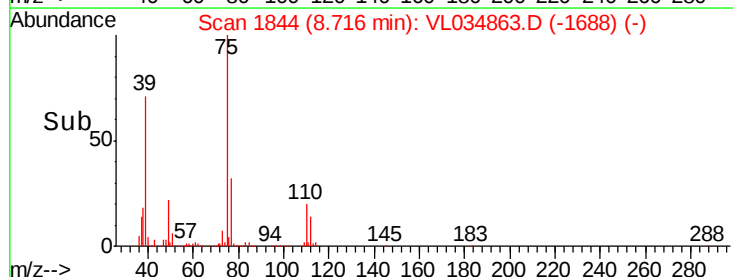
600000

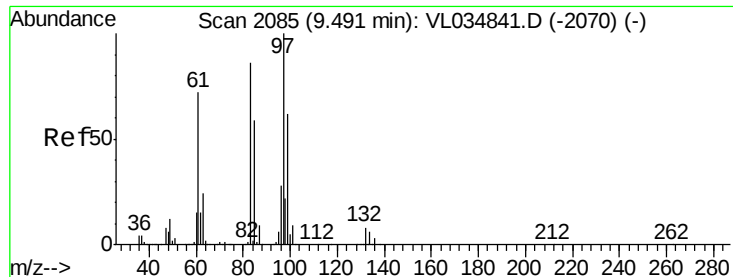
400000

200000

0

Time--> 8.65 8.70 8.75 8.80





#47

1,1,2-Trichloroethane

Concen: 9.314 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 687381

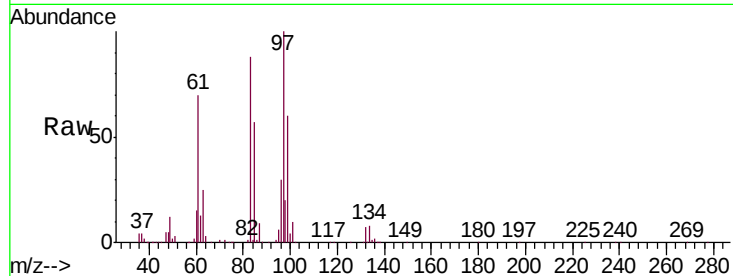
Ion Ratio Lower Upper

97 100

83 87.8 68.6 102.8

85 57.1 46.9 70.3

99 59.8 49.9 74.9

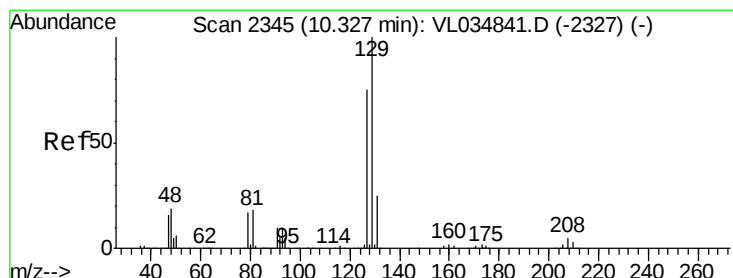
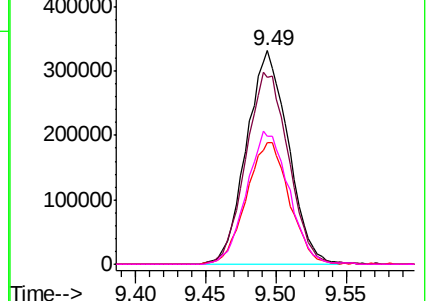
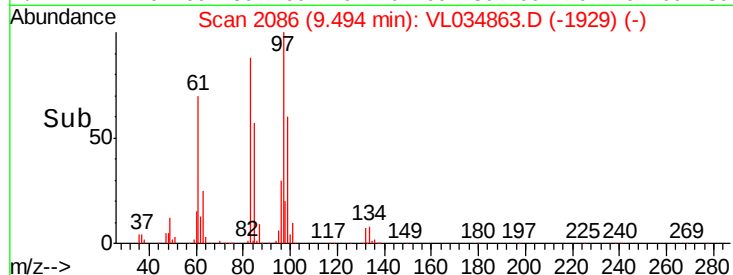


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.478 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.00 min

Lab File: VL034863.D

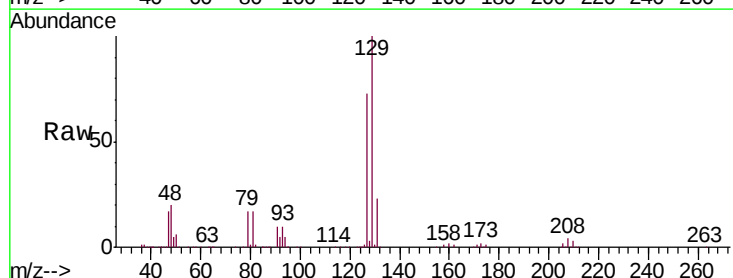
Acq: 10 Mar 2020 11:30

Tgt Ion: 129 Resp: 1132724

Ion Ratio Lower Upper

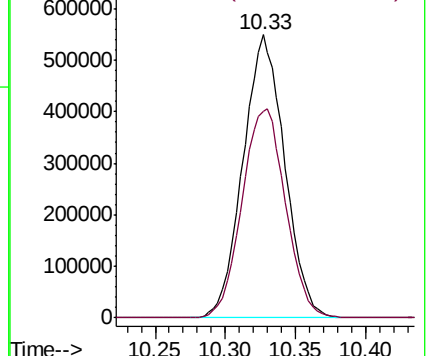
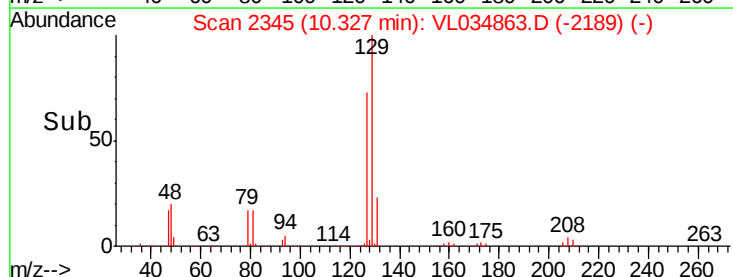
129 100

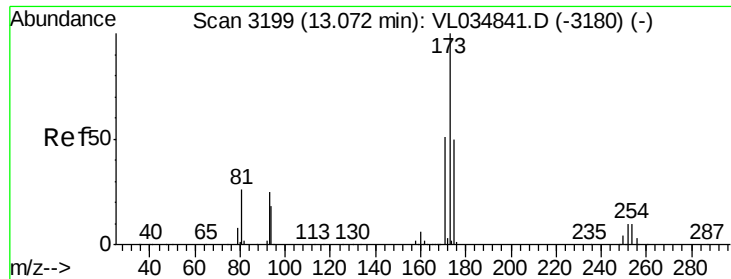
127 77.4 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.249 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampled :

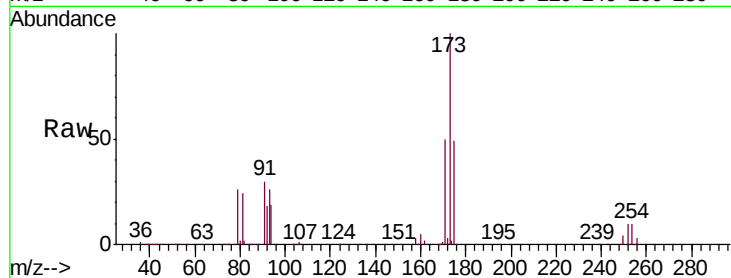
Tgt Ion: 173 Resp: 985597

Ion Ratio Lower Upper

173 100

175 48.6 39.6 59.4

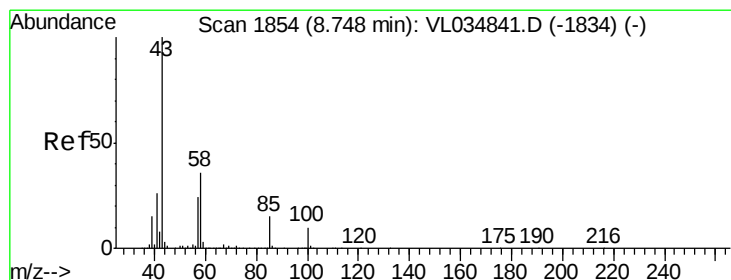
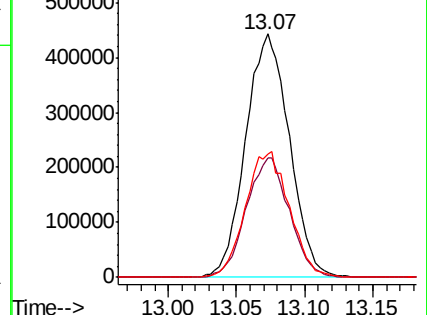
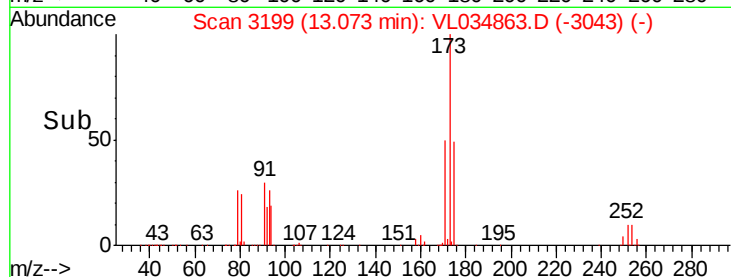
171 51.7 41.0 61.6



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: 9.678 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL034863.D

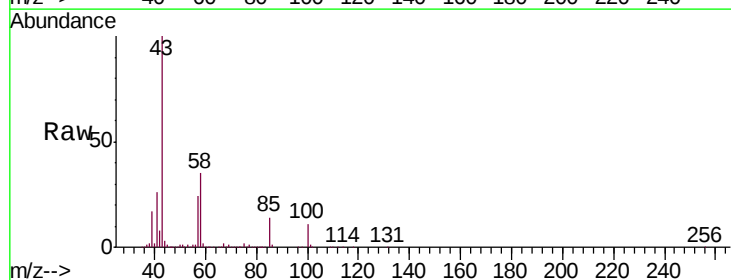
Acq: 10 Mar 2020 11:30

Tgt Ion: 43 Resp: 1885208

Ion Ratio Lower Upper

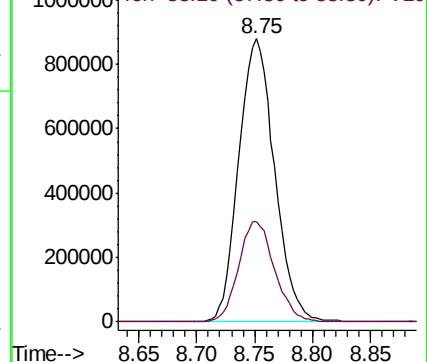
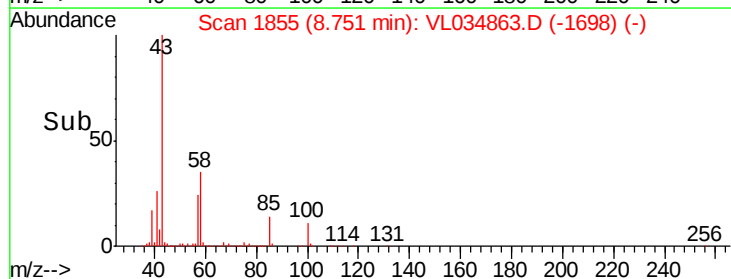
43 100

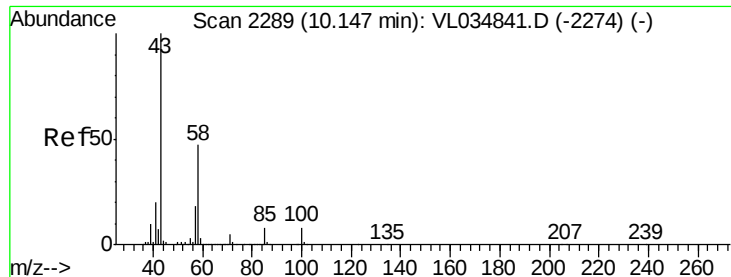
58 35.7 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

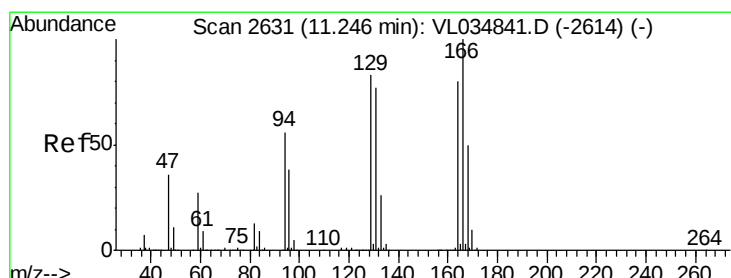
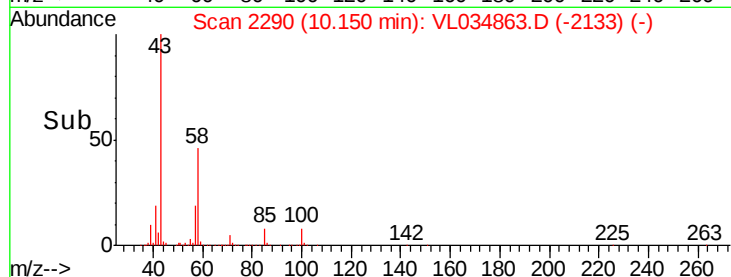
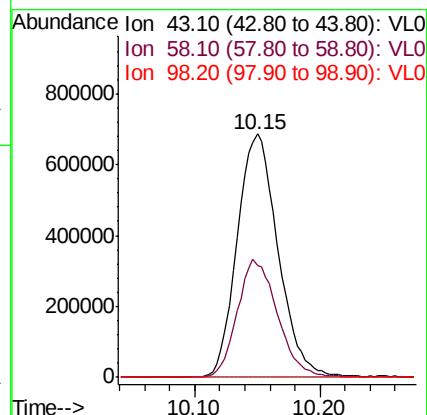
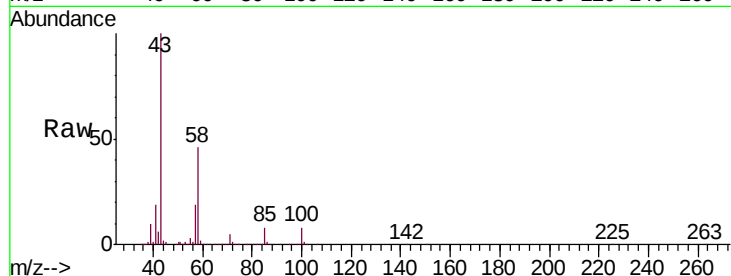




#51
2-Hexanone
Concen: 9.789 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

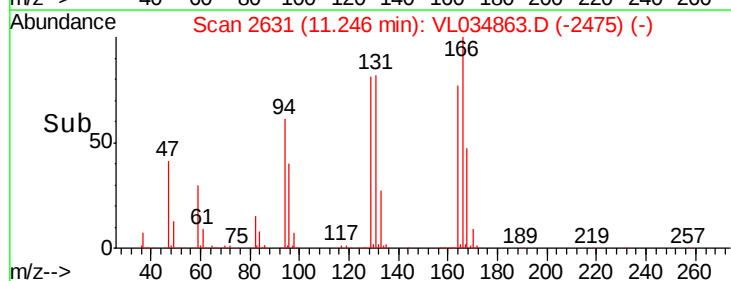
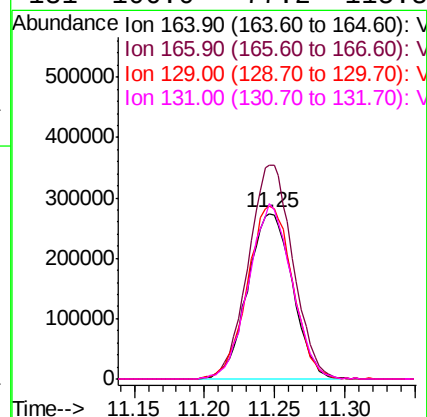
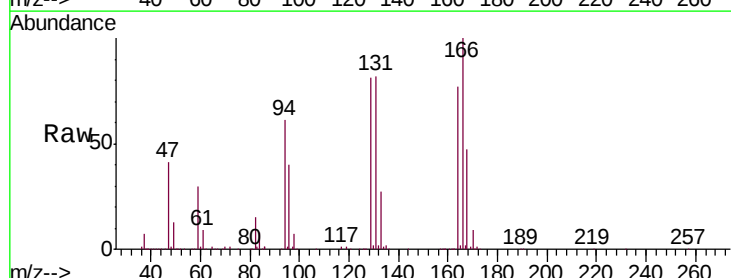
Instrument :
MSVOA_L
ClientSampleId :

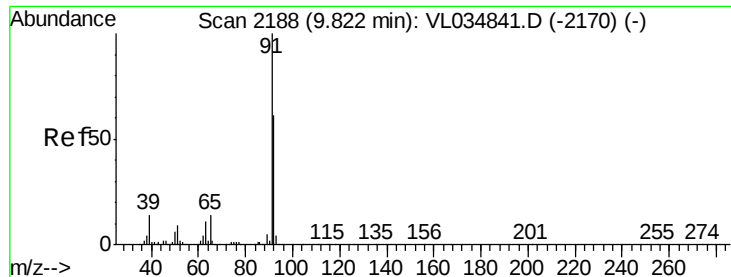
Tgt Ion: 43 Resp: 1549646
Ion Ratio Lower Upper
43 100
58 47.5 38.6 58.0
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.500 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 164 Resp: 610347
Ion Ratio Lower Upper
164 100
166 129.0 100.0 150.0
129 104.6 83.1 124.7
131 106.0 77.2 115.8





#53

Toluene

Concen: 9.524 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

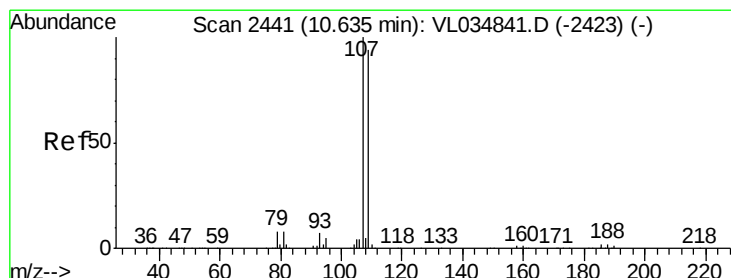
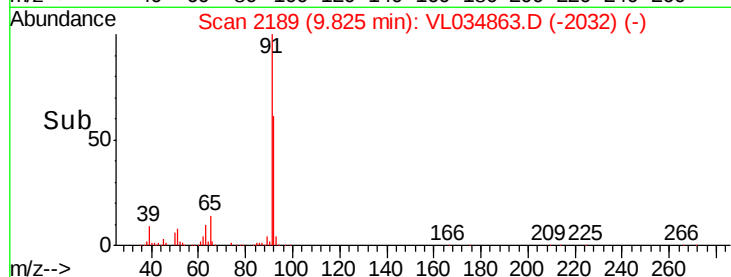
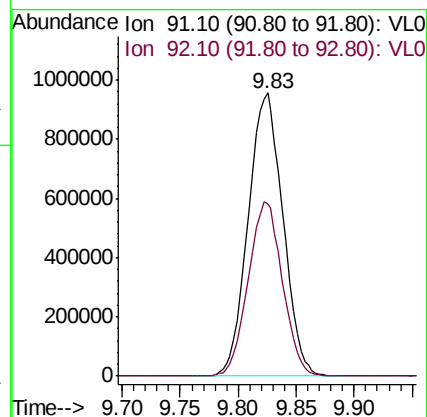
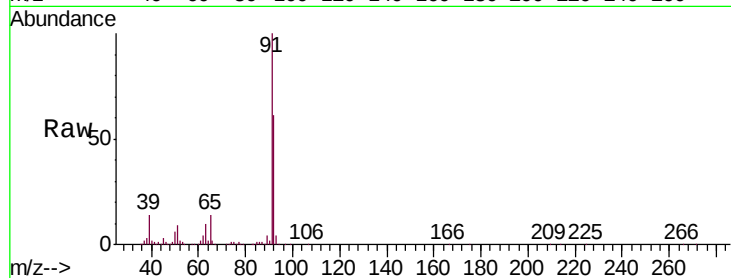
ClientSampleId :

Tgt Ion: 91 Resp: 1996233

Ion Ratio Lower Upper

91 100

92 60.8 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.465 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034863.D

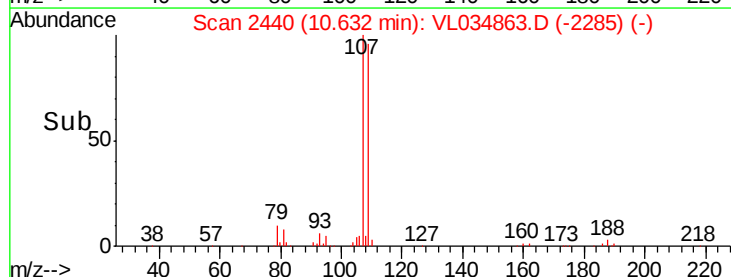
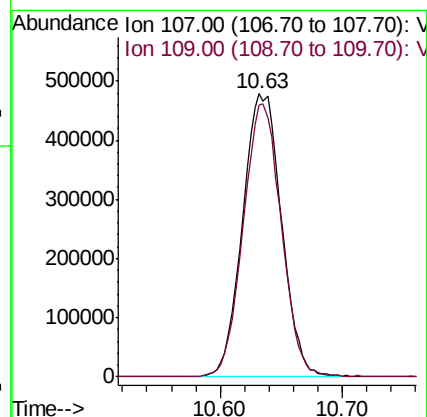
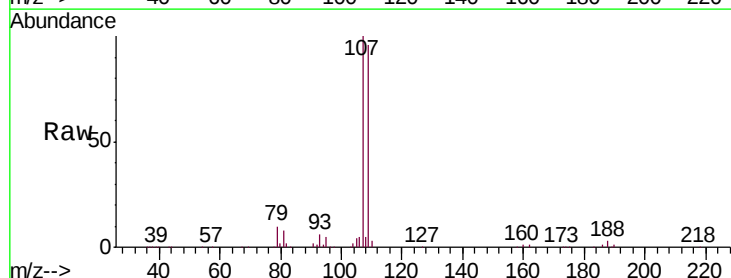
Acq: 10 Mar 2020 11:30

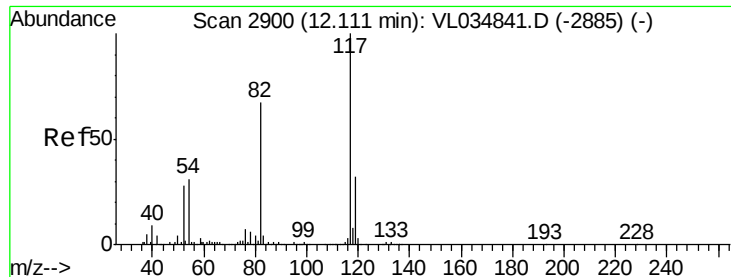
Tgt Ion: 107 Resp: 1051405

Ion Ratio Lower Upper

107 100

109 96.1 74.9 112.3

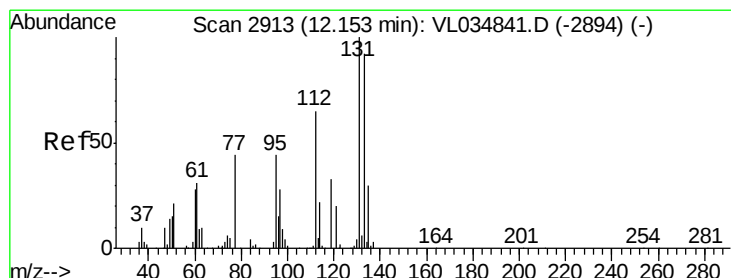
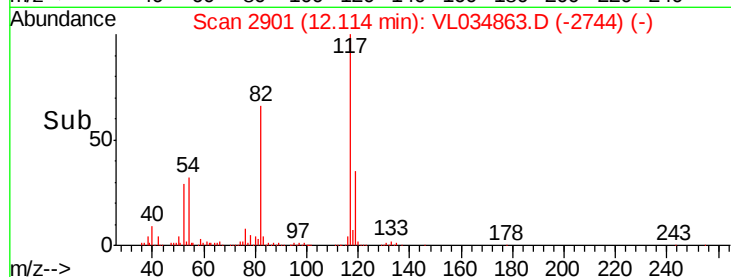
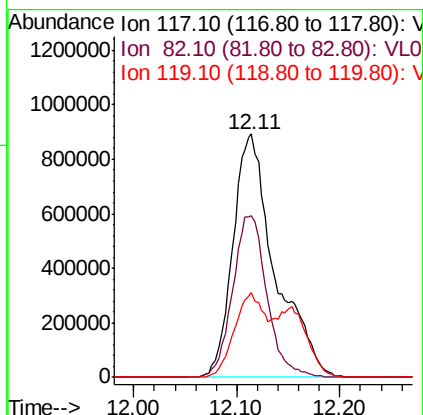
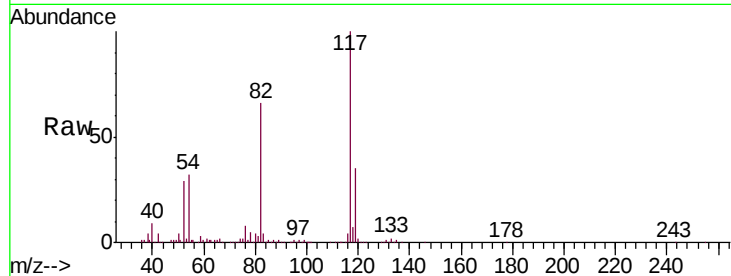




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

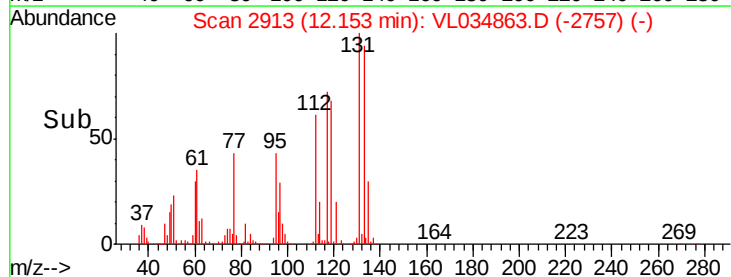
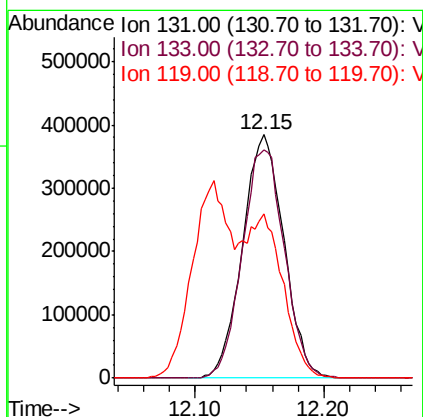
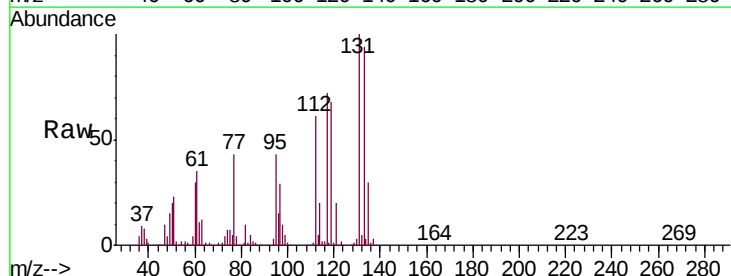
Instrument :
MSVOA_L
ClientSampled :

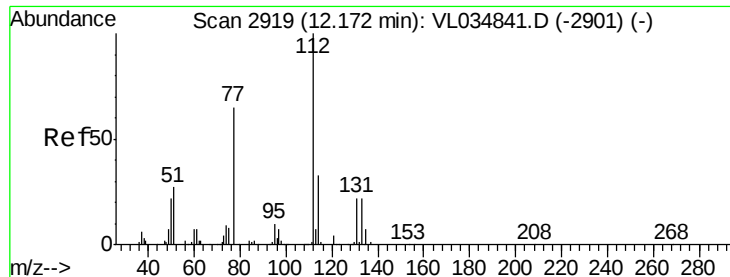
Tgt Ion:117 Resp: 2540119
Ion Ratio Lower Upper
117 100
82 54.4 51.1 76.7
119 26.4 27.3 40.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.505 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion:131 Resp: 856354
Ion Ratio Lower Upper
131 100
133 96.3 76.0 114.0
119 140.2 47.8 71.8#

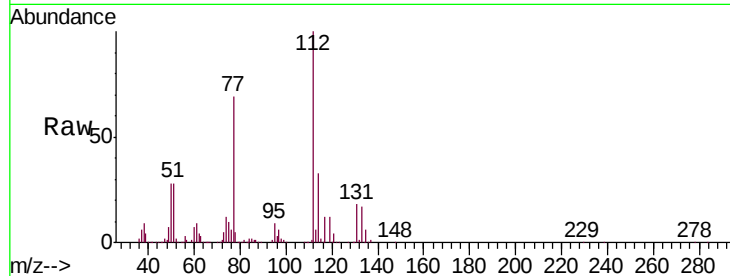




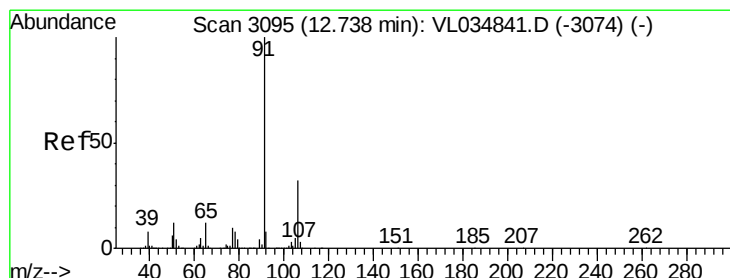
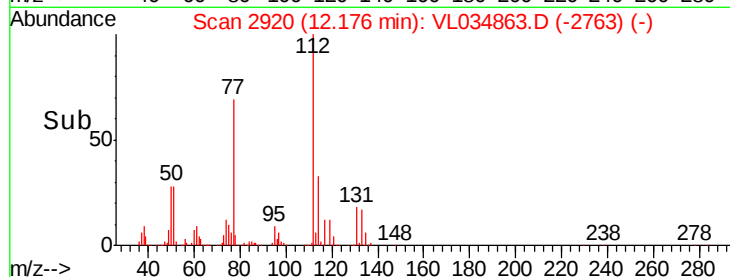
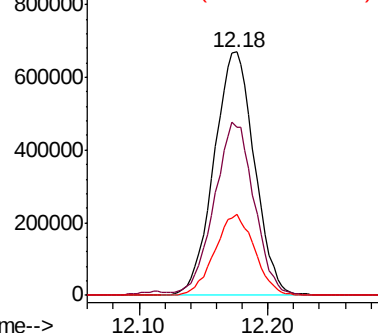
#57
Chlorobenzene
Concen: 7.359 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Instrument :
MSVOA_L
ClientSampled :

Tgt Ion: 112 Resp: 1462541
Ion Ratio Lower Upper
112 100
77 69.1 53.0 79.6
114 33.0 29.5 36.1

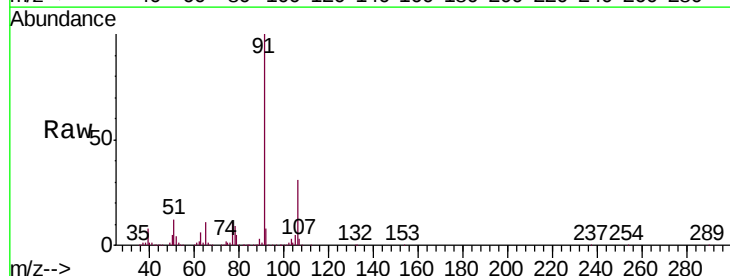


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

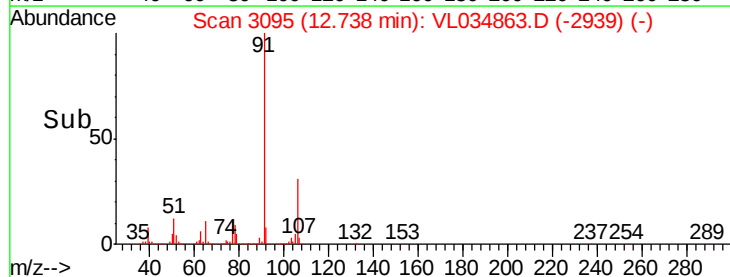
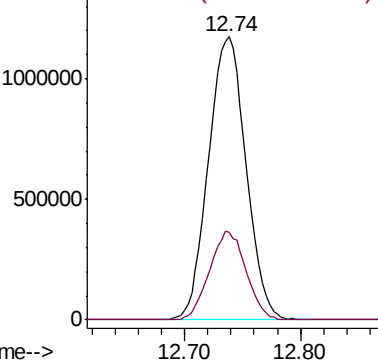


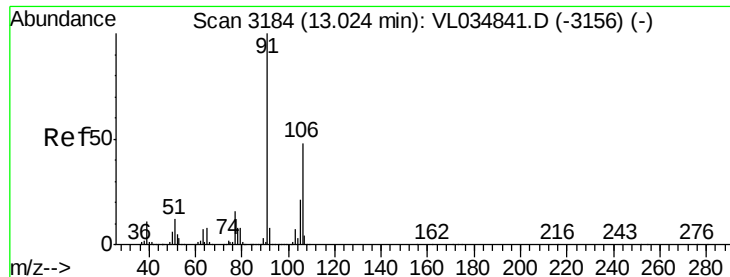
#58
Ethyl Benzene
Concen: 7.651 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 91 Resp: 2632046
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

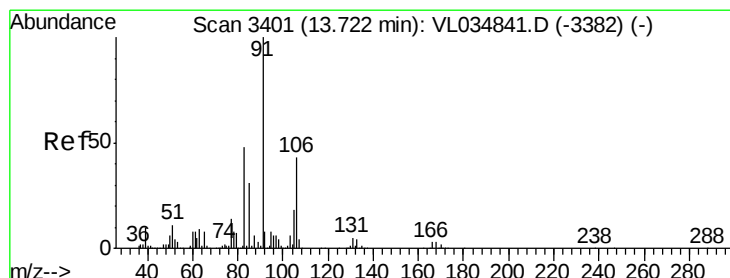
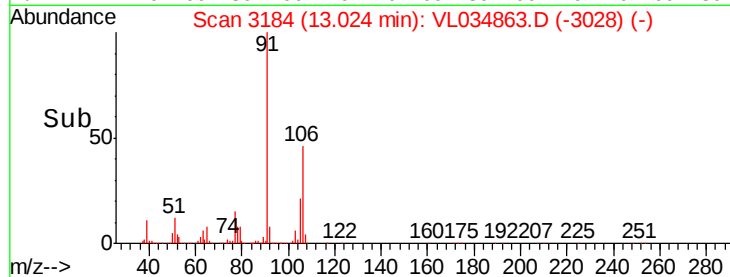
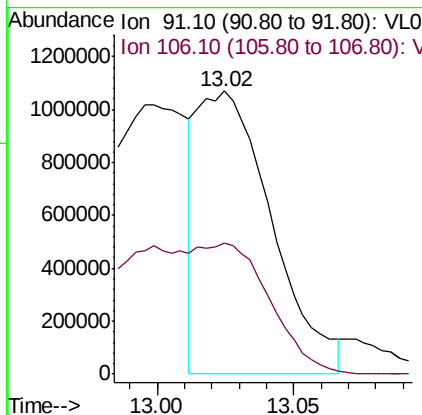
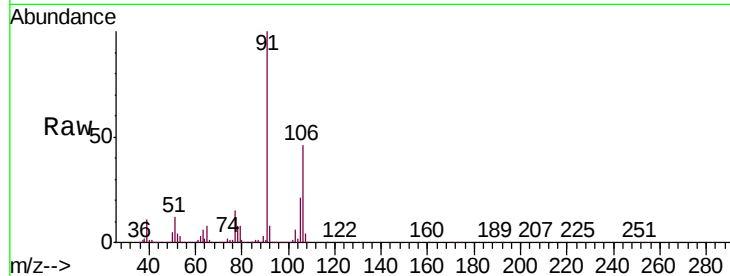




#59
m/p-Xylene
Concen: 6.978 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

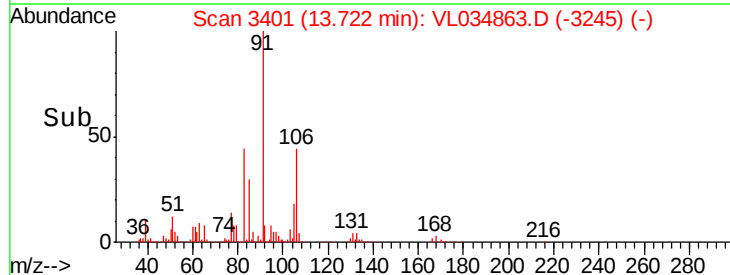
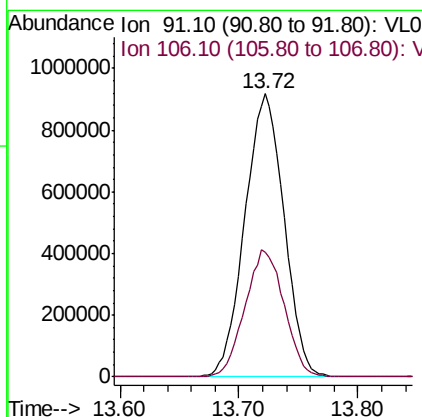
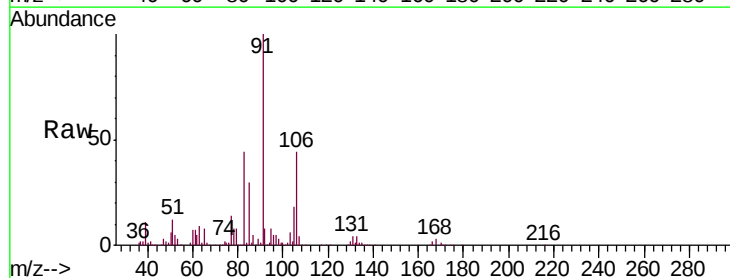
Instrument :
MSVOA_L
ClientSampleId :

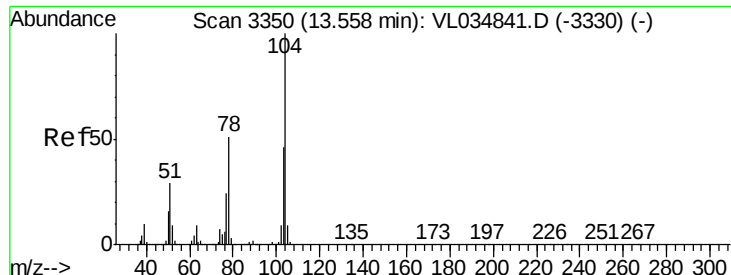
Tgt Ion: 91 Resp: 2010906
Ion Ratio Lower Upper
91 100
106 97.2 37.1 55.7#



#60
o-Xylene
Concen: 7.421 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 91 Resp: 2088028
Ion Ratio Lower Upper
91 100
106 44.7 22.5 67.5

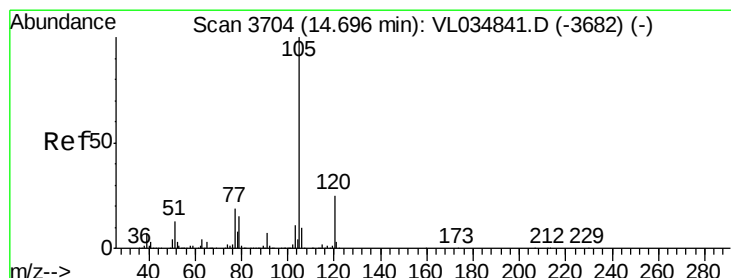
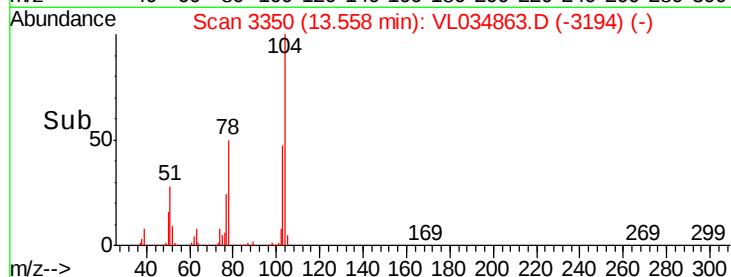
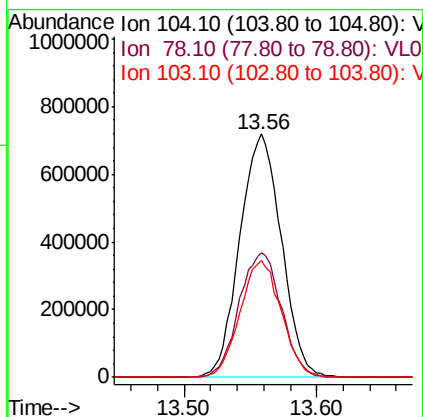
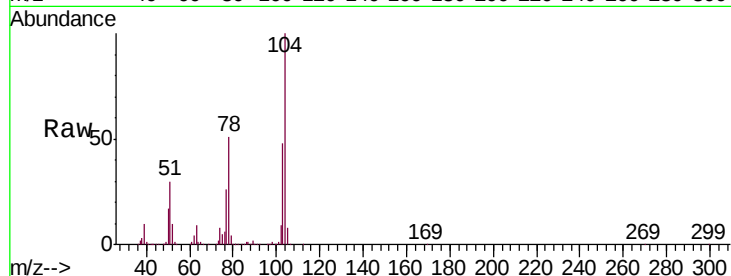




#61
Styrene
Concen: 7.924 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

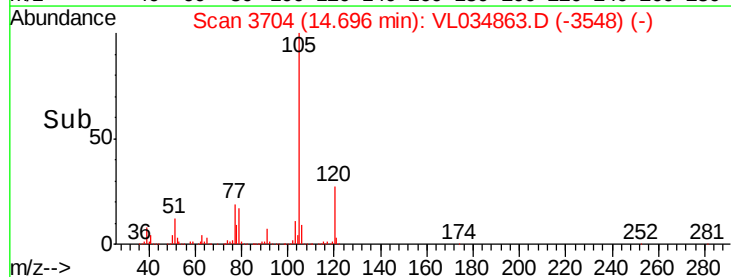
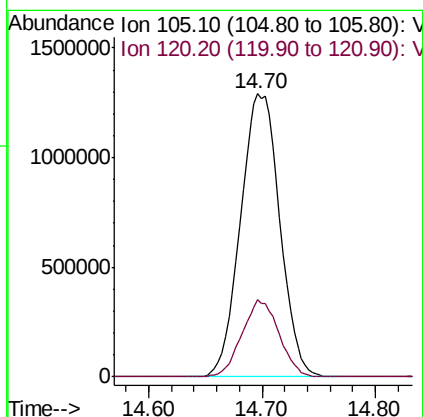
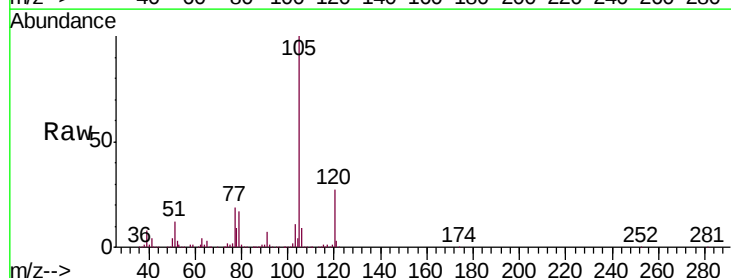
Instrument :
MSVOA_L
ClientSampleId :

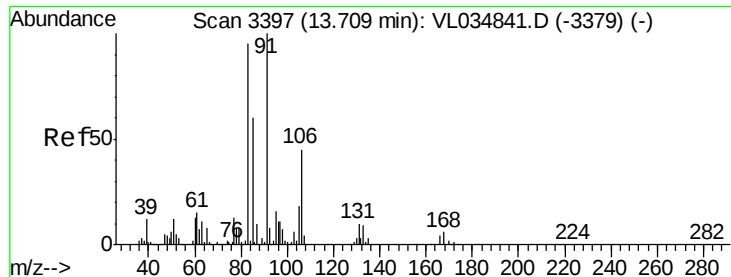
Tgt Ion:104 Resp: 1564771
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.6
103 47.8 37.8 56.6



#62
Isopropylbenzene
Concen: 7.322 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion:105 Resp: 3115116
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 7.428 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

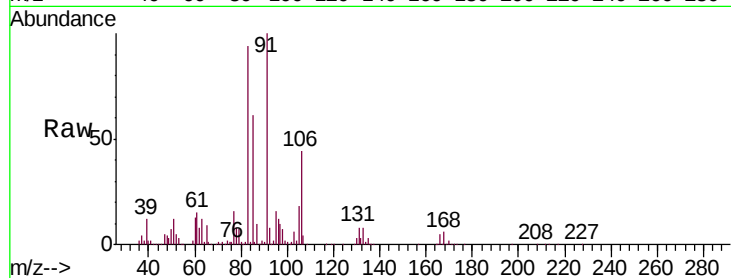
Tgt Ion: 83 Resp: 1418940

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

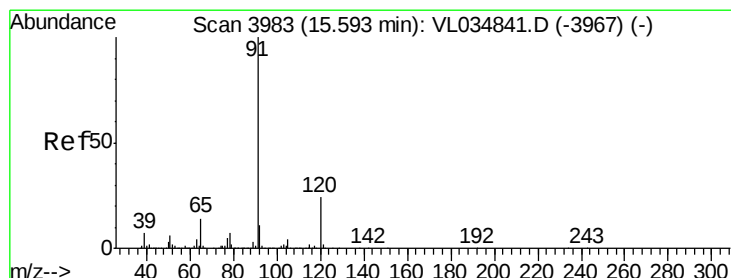
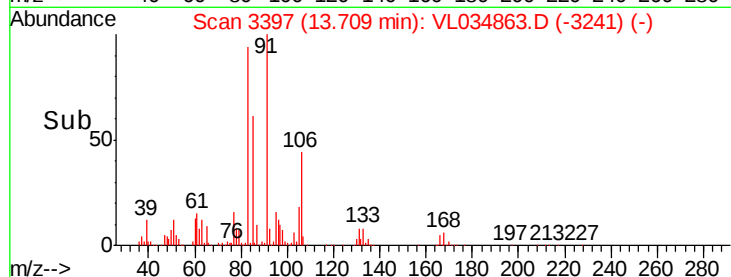
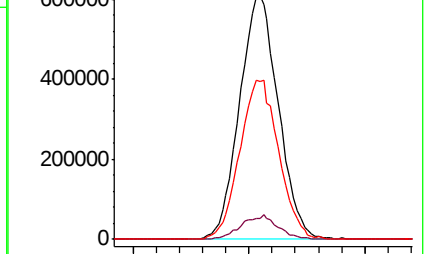
85 66.1 32.4 97.2



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: 7.319 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VL034863.D

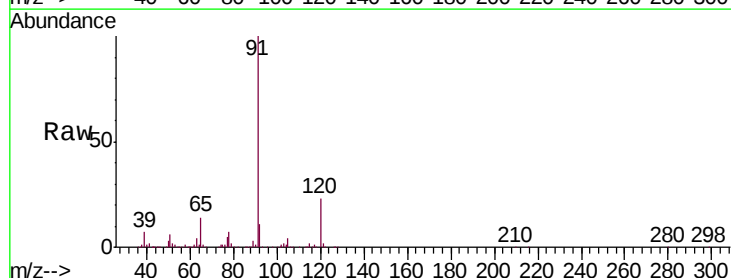
Acq: 10 Mar 2020 11:30

Tgt Ion: 120 Resp: 810459

Ion Ratio Lower Upper

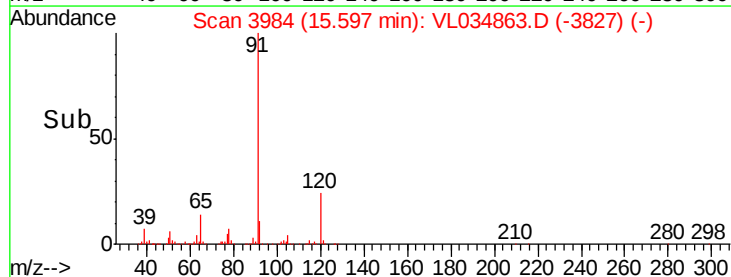
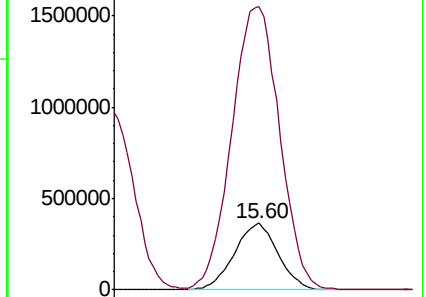
120 100

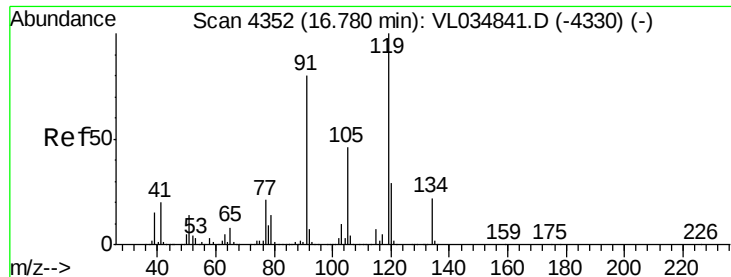
91 465.3 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

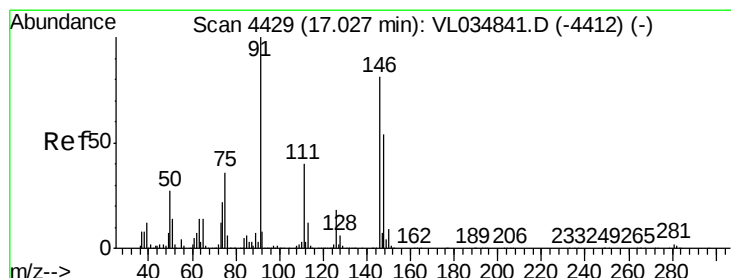
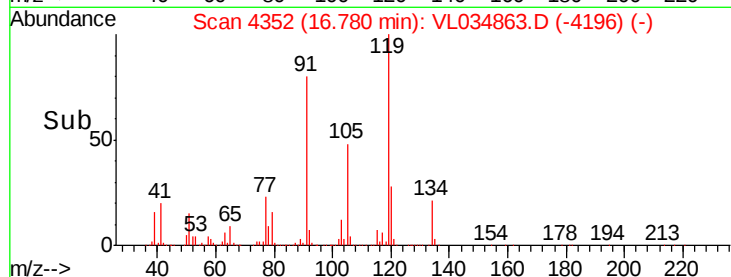
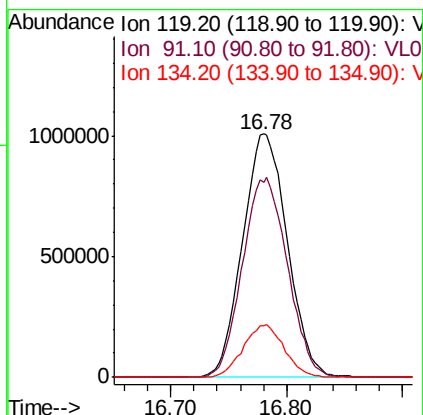
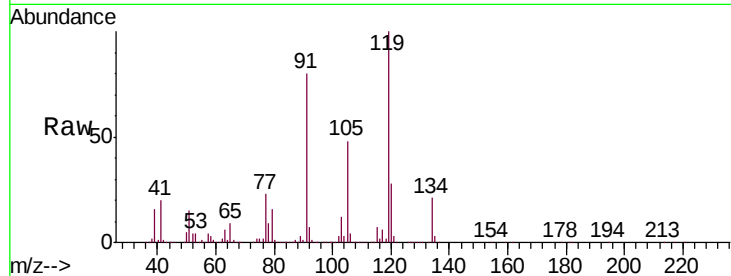




#65
tert-Butylbenzene
Concen: 7.250 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

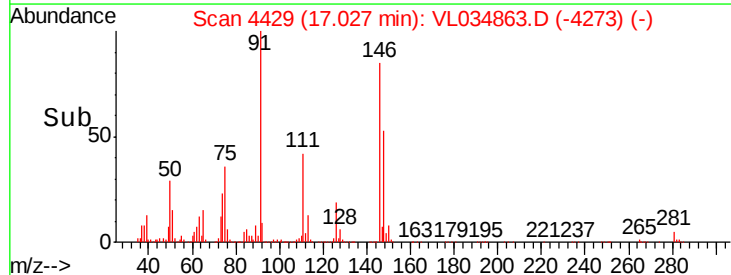
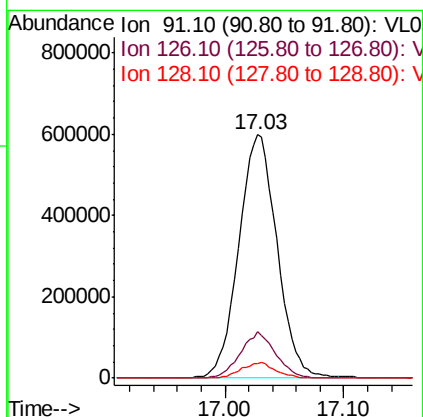
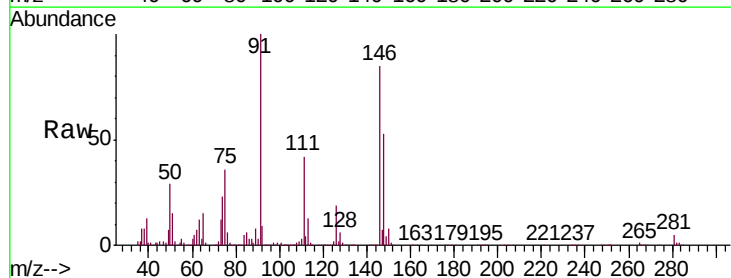
Instrument :
MSVOA_L
ClientSampled :

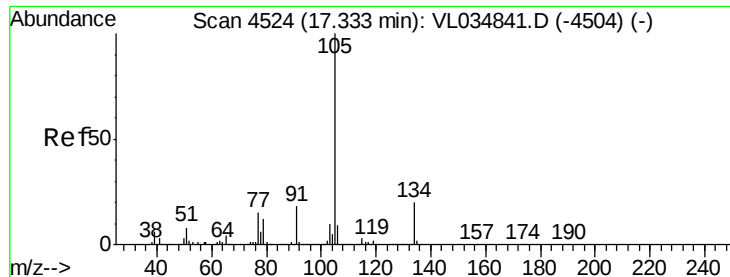
Tgt Ion: 119 Resp: 2696395
Ion Ratio Lower Upper
119 100
91 82.9 64.9 97.3
134 19.9 15.9 23.9



#66
Benzyl Chloride
Concen: 8.536 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL034863.D
Acq: 10 Mar 2020 11:30

Tgt Ion: 91 Resp: 1323910
Ion Ratio Lower Upper
91 100
126 17.6 14.7 22.1
128 5.7 4.7 7.1

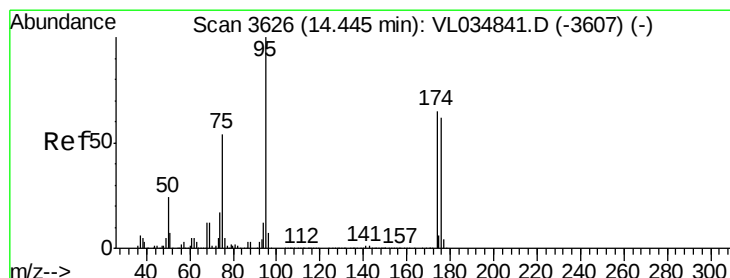
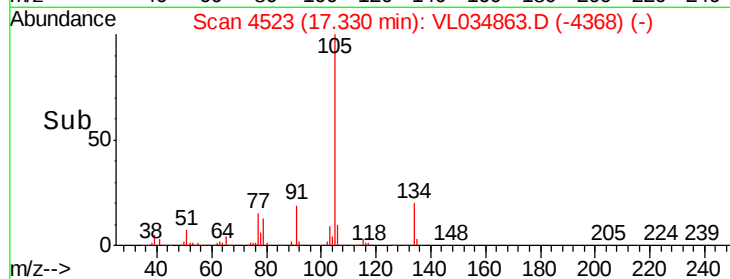
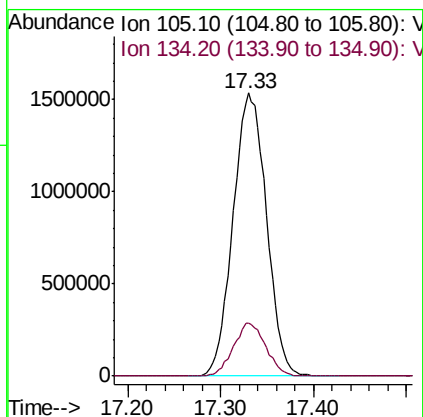
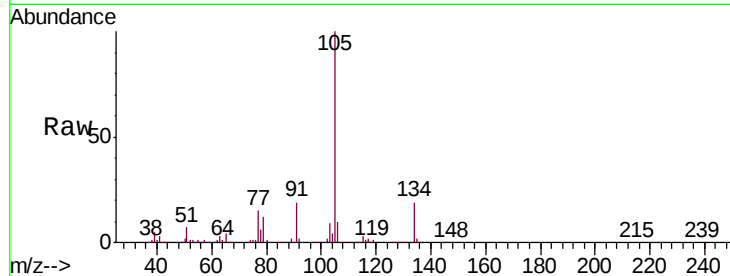




#67
 sec-Butylbenzene
 Concen: 7.425 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

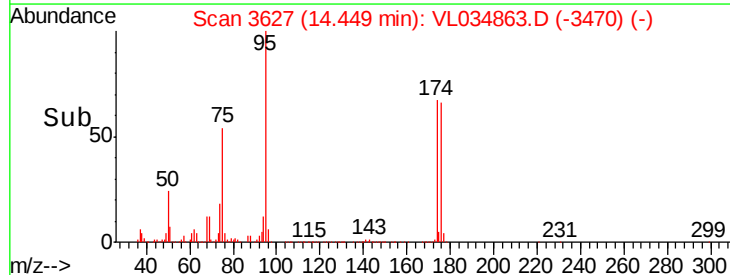
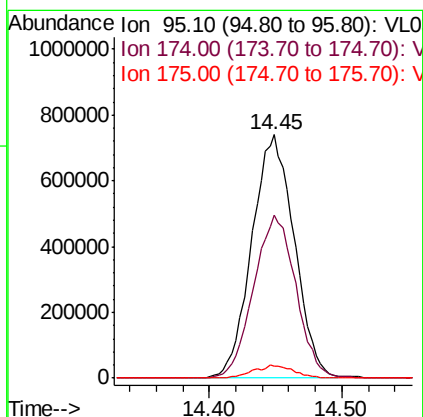
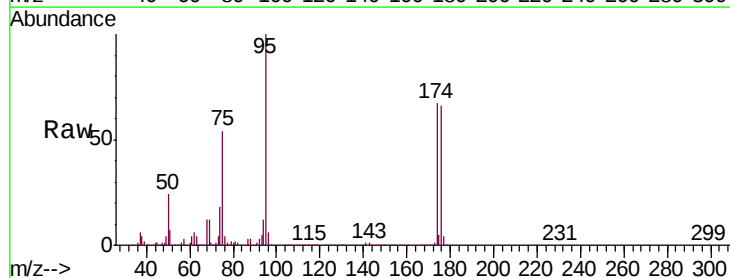
Instrument :
 MSVOA_L
 ClientSampleId :

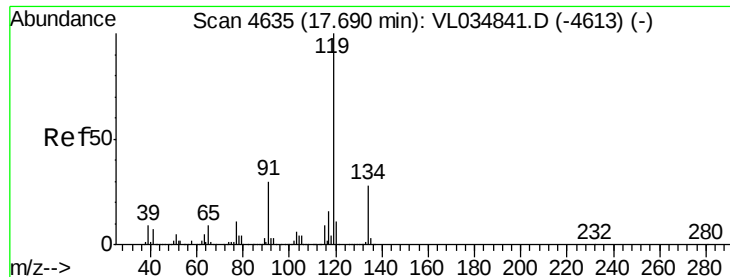
Tgt Ion: 105 Resp: 3829114
 Ion Ratio Lower Upper
 105 100
 134 18.2 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.303 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion: 95 Resp: 1644725
 Ion Ratio Lower Upper
 95 100
 174 66.9 55.2 82.8
 175 5.1 4.3 6.5

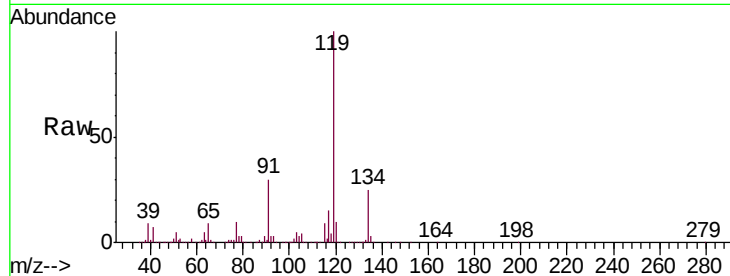




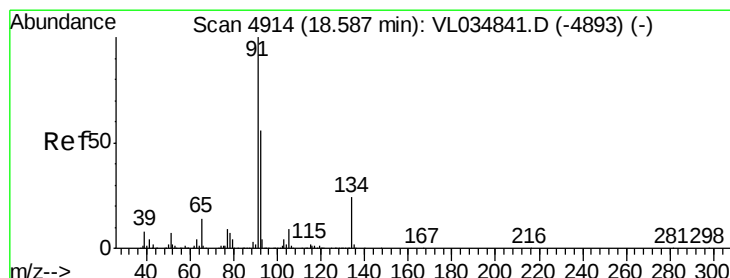
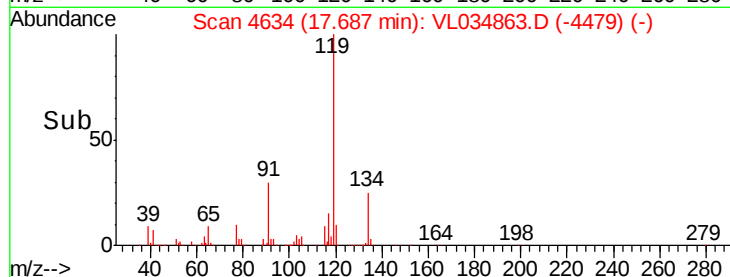
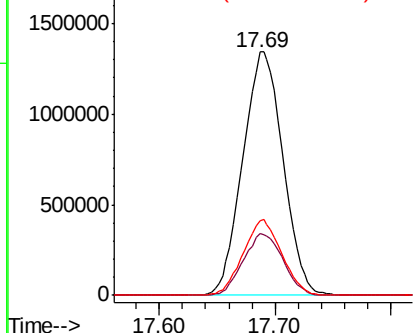
#69
 p-Isopropyltoluene
 Concen: 7.504 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 119 Resp: 3245116
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.6 30.8
 91 29.6 23.4 35.2

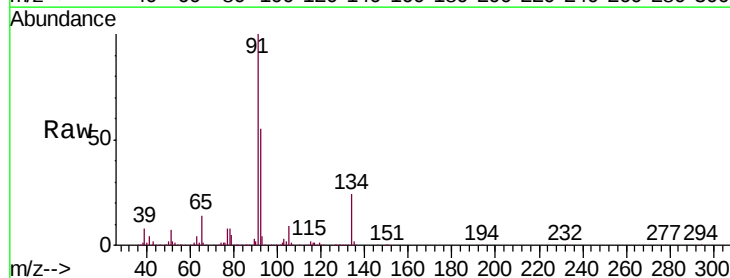


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

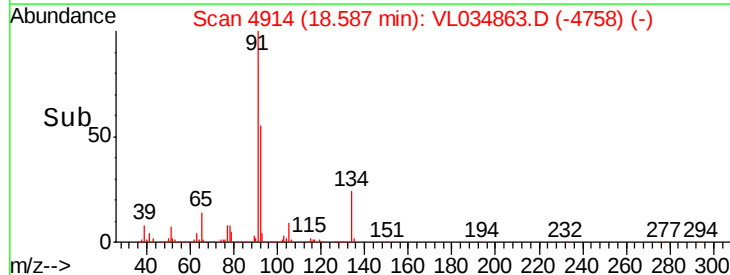
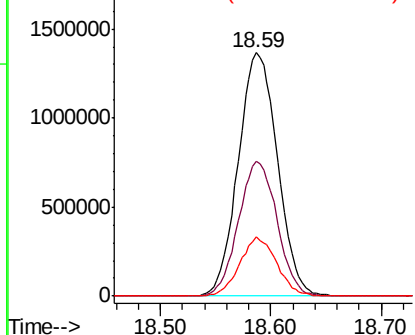


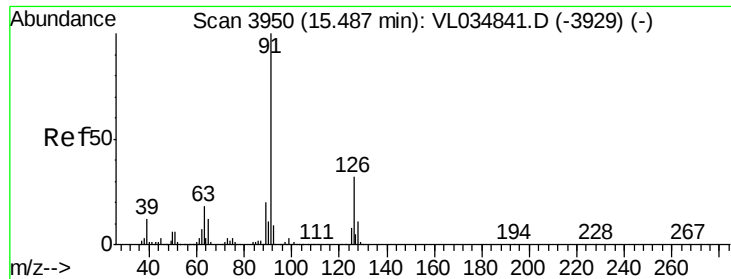
#70
 n-Butylbenzene
 Concen: 7.630 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion: 91 Resp: 3366426
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.8 65.6
 134 22.8 19.0 28.4



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: 7.323 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

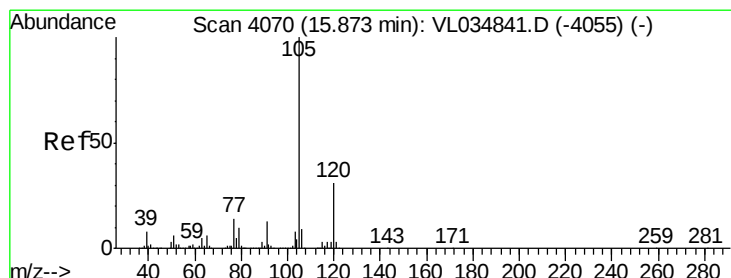
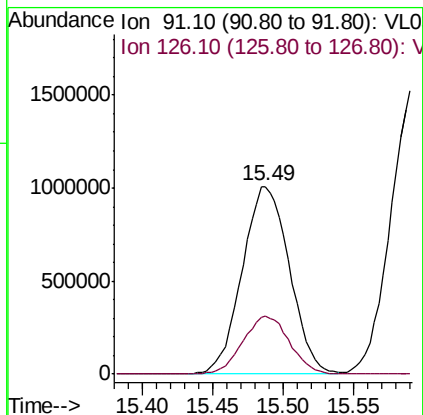
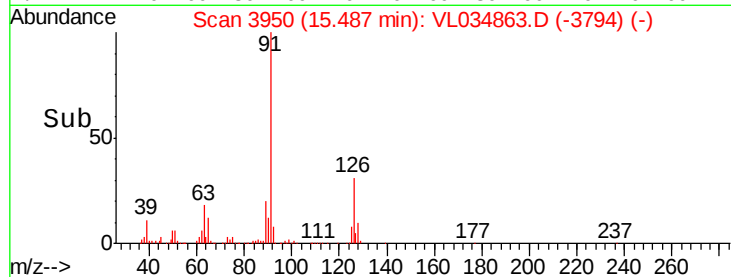
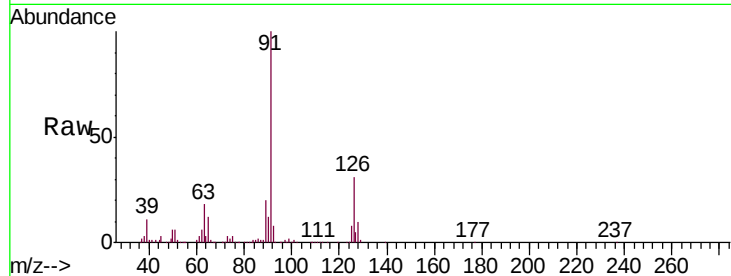
ClientSampleId :

Tgt Ion: 91 Resp: 2359543

Ion Ratio Lower Upper

91 100

126 30.5 12.3 49.1



#72

4-Ethyltoluene

Concen: 7.527 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Tgt Ion: 105 Resp: 2501360

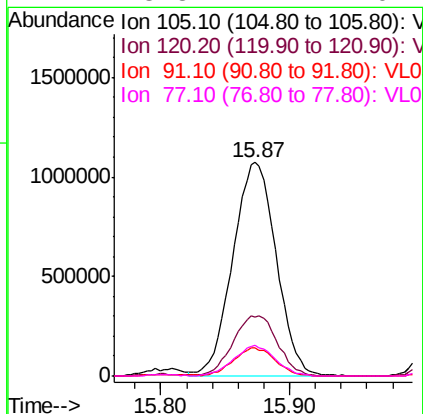
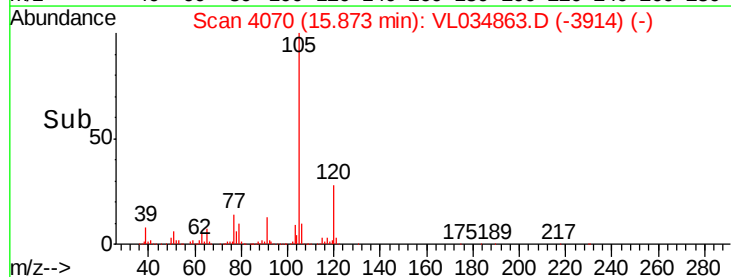
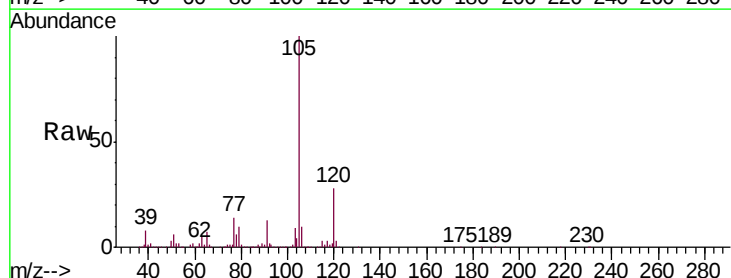
Ion Ratio Lower Upper

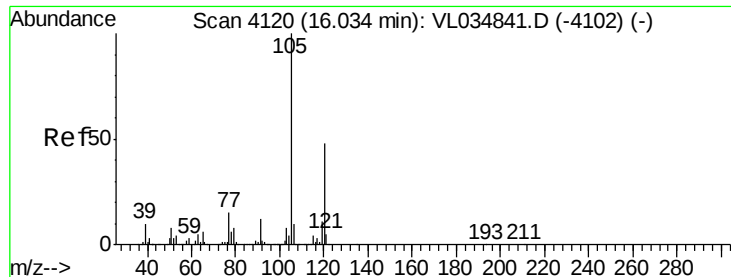
105 100

120 29.1 23.7 35.5

91 12.8 10.5 15.7

77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.581 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

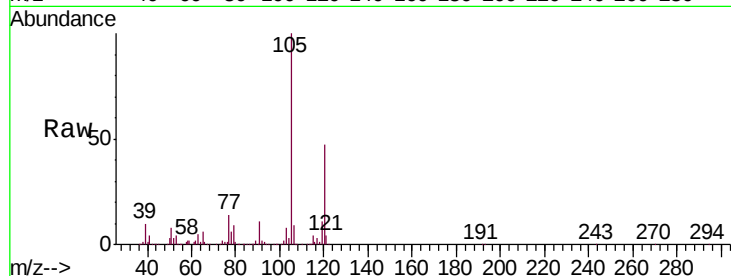
ClientSampleId :

Tgt Ion:105 Resp: 2358301

Ion Ratio Lower Upper

105 100

120 46.6 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

1000000

800000

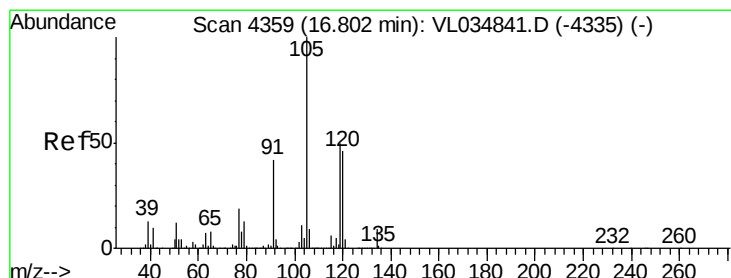
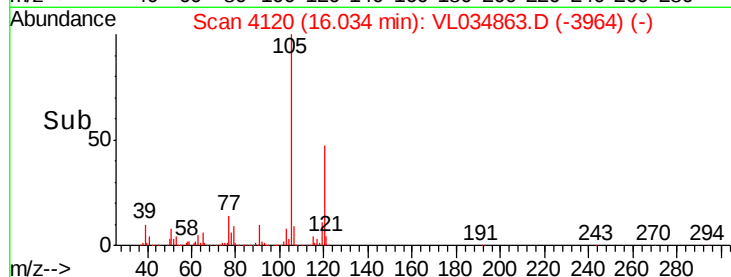
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.577 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Tgt Ion:105 Resp: 2428342

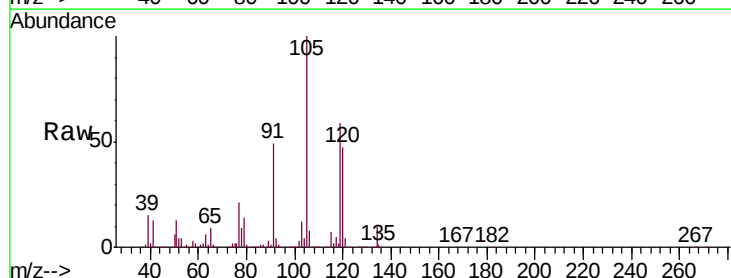
Ion Ratio Lower Upper

105 100

120 47.2 37.0 55.4

91 48.6 33.8 50.6

77 20.8 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

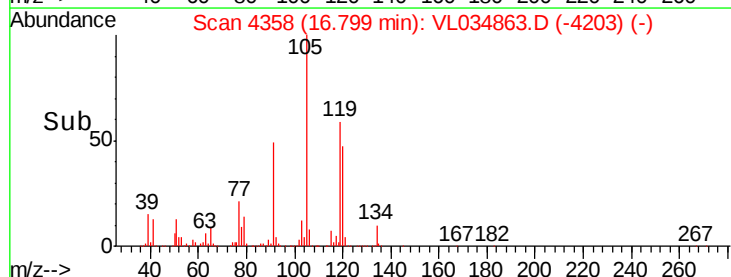
1500000

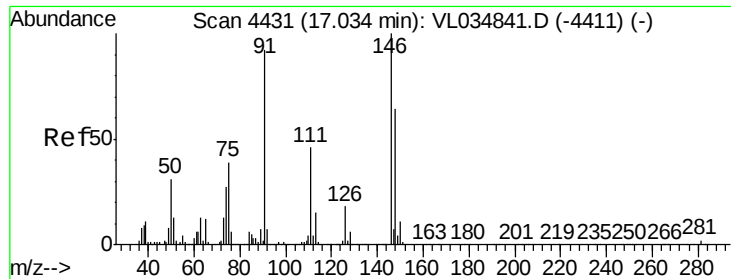
1000000

500000

0

Time-->

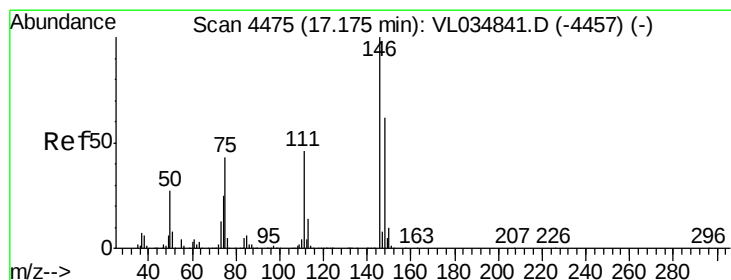
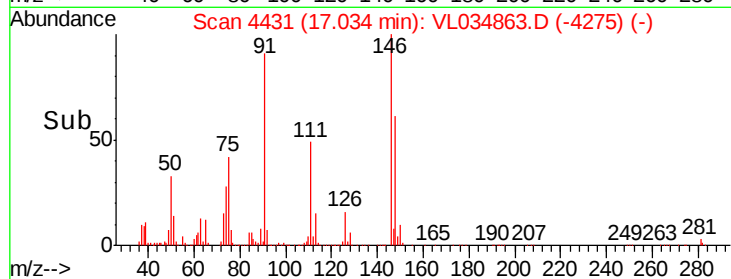
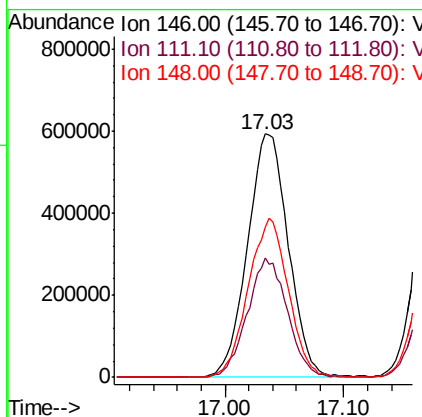
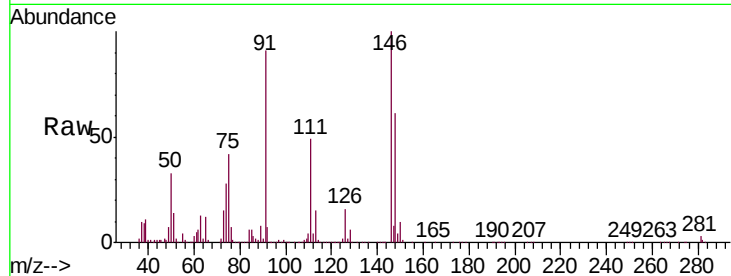




#75
 1,3-Dichlorobenzene
 Concen: 7.292 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

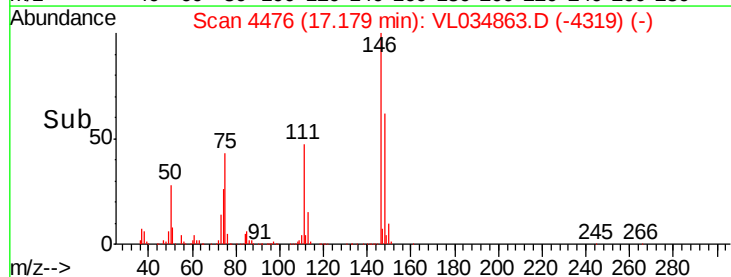
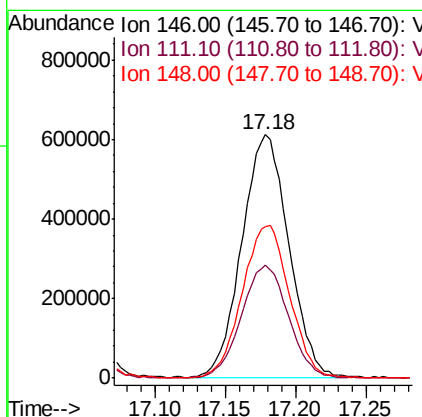
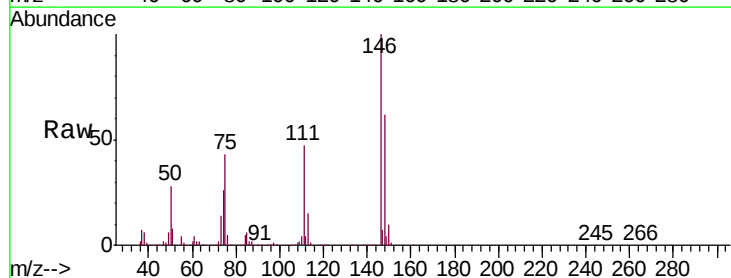
Instrument :
 MSVOA_L
 ClientSampleId :

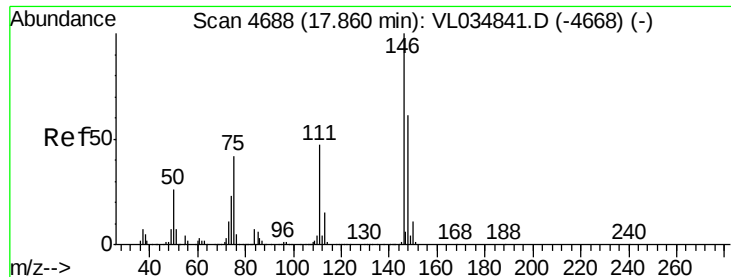
Tgt Ion:146 Resp: 1409199
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.9 71.7
 148 64.0 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.349 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion:146 Resp: 1417211
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.4 70.2
 148 63.7 32.3 96.9

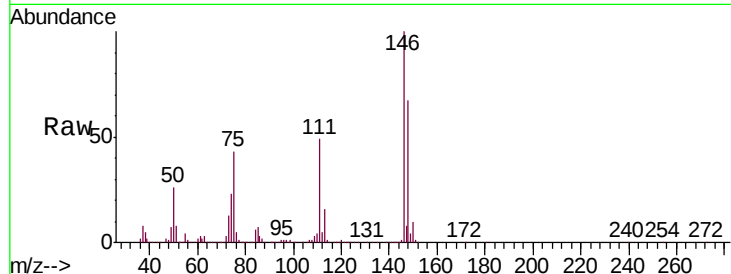




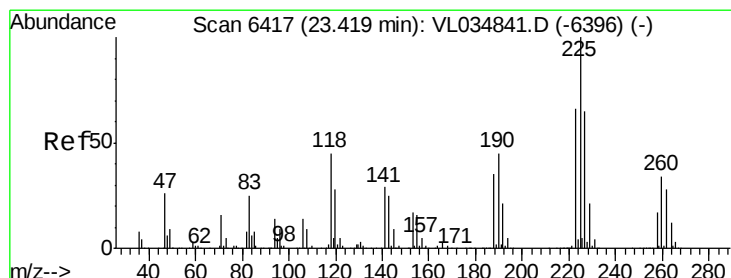
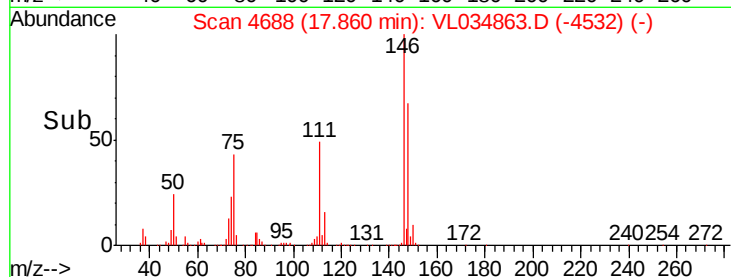
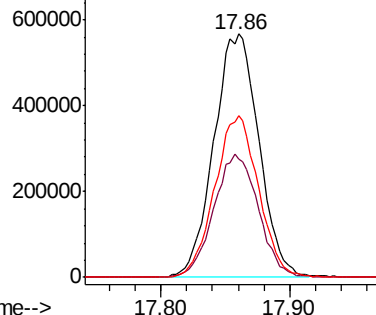
#77
 1,2-Dichlorobenzene
 Concen: 7.374 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:146 Resp: 1381345
 Ion Ratio Lower Upper
 146 100
 111 50.0 23.8 71.4
 148 64.6 31.6 94.8

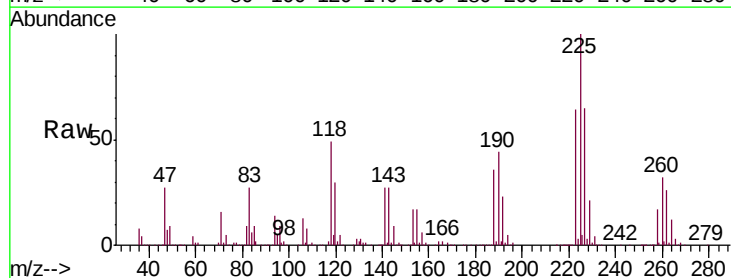


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

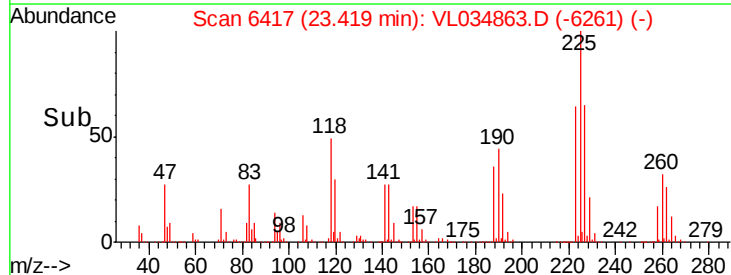
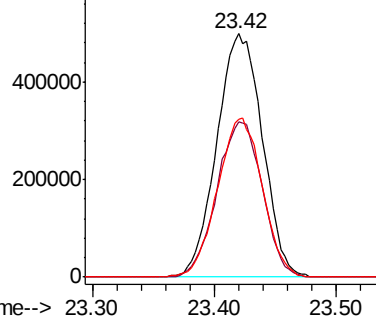


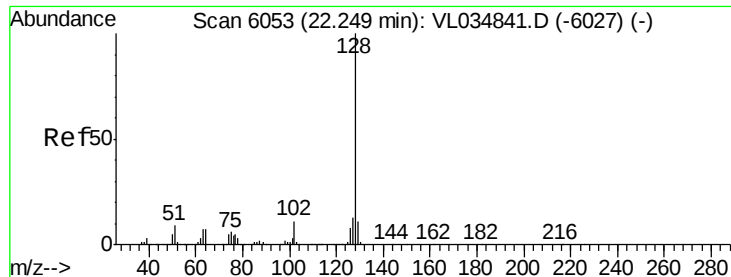
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.241 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Tgt Ion:225 Resp: 1289345
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.1 76.7
 227 64.4 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: 9.896 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

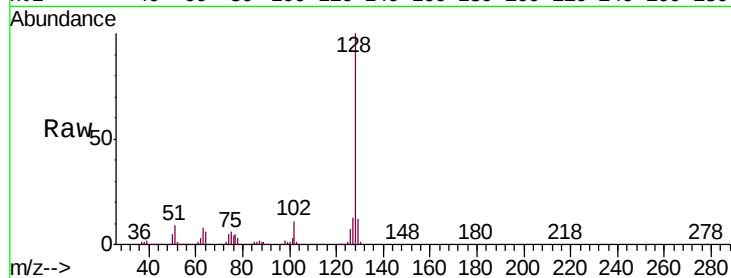
Tgt Ion:128 Resp: 2473436

Ion Ratio Lower Upper

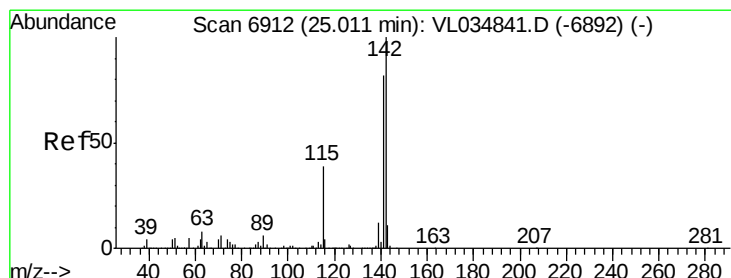
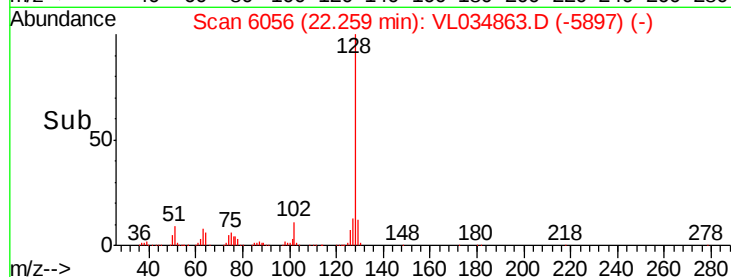
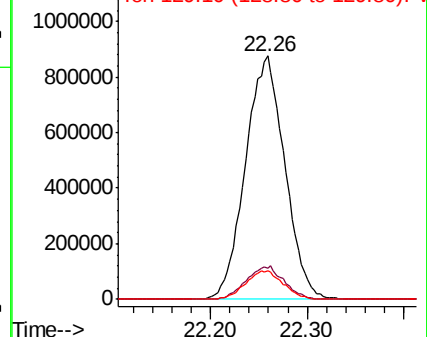
128 100

127 12.5 10.2 15.2

129 11.8 8.6 13.0



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: 14.103 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.00 min

Lab File: VL034863.D

Acq: 10 Mar 2020 11:30

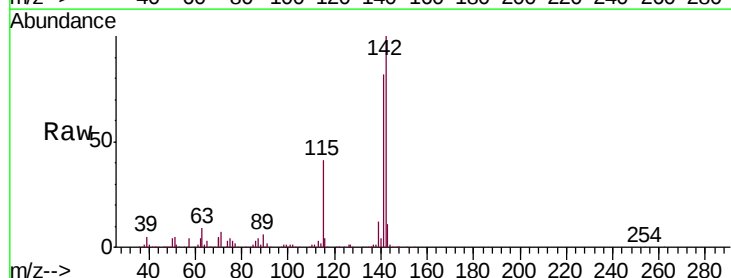
Tgt Ion:142 Resp: 921168

Ion Ratio Lower Upper

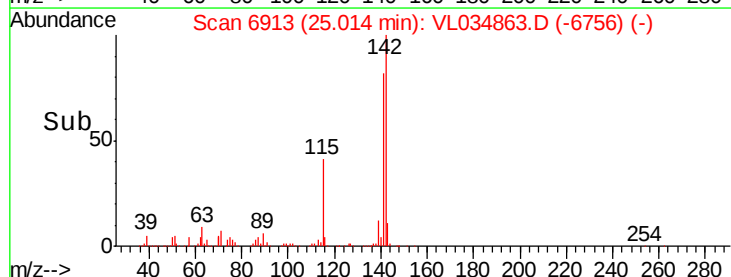
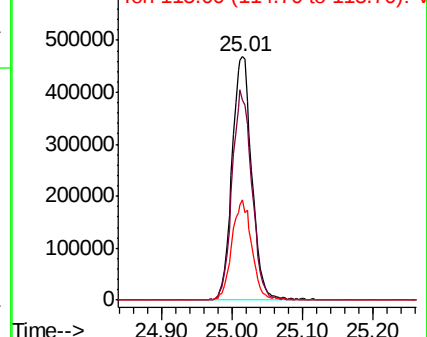
142 100

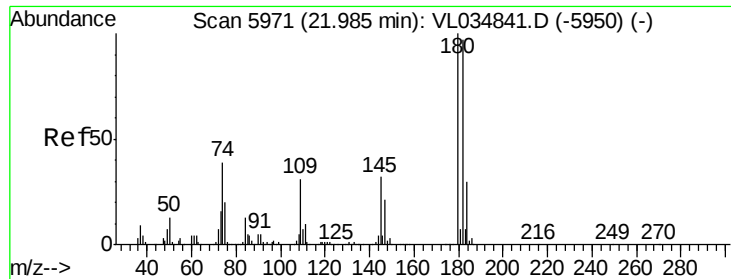
141 86.0 68.9 103.3

115 41.7 33.2 49.8



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: 8.913 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. 0.00 min
 Lab File: VL034863.D
 Acq: 10 Mar 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:180 Resp: 1415242
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.6 115.0
 184 31.5 25.0 37.4

