

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034760.D
 Acq On : 3 Mar 2020 11:52
 Operator : SY/AP
 Sample : VL0303ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 05:45:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1180893	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2430689	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.13	117	3050156	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	2110292	8.44	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1424375	7.646	ppbv 94
3) Chlorodifluoromethane	2.96	51	1136159	8.915	ppbv 98
4) Chloromethane	3.11	50	620439	8.697	ppbv 99
5) Vinyl Chloride	3.23	62	620054	8.860	ppbv 97
6) Bromomethane	3.45	94	376676	9.187	ppbv 92
7) Chloroethane	3.54	64	237027	9.123	ppbv 95
8) Dichlorotetrafluoroethane	3.16	85	1424006	8.642	ppbv 99
9) Propene	2.98	41	445182	8.357	ppbv 97
10) Heptane	8.15	43	1266590	9.237	ppbv 98
11) Trichlorofluoromethane	3.93	101	1500946	9.199	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1018213	8.853	ppbv 99
13) Ethanol	3.58	45	134610	7.999	ppbv 98
14) Bromoethene	3.72	108	444797	9.269	ppbv 100
15) Acetone	3.83	43	1176422	8.742	ppbv 99
16) 1,3-Butadiene	3.30	39	586090	9.409	ppbv 98
17) tert-Butyl alcohol	4.28	59	1049044	10.173	ppbv 100
18) 1,1-Dichloroethene	4.28	96	466018	9.025	ppbv 97
19) Isopropyl Alcohol	3.95	45	822389	10.260	ppbv 99
20) Methylene Chloride	4.33	84	412176	8.236	ppbv 95
21) Allyl Chloride	4.40	41	826502	9.283	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	461370	9.164	ppbv 97
23) Vinyl Acetate	5.07	43	1795757	9.816	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1302789	8.917	ppbv 99
25) Ethyl Acetate	5.68	43	2186905	9.181	ppbv 100
26) Hexane	5.69	57	977908	8.907	ppbv 98
27) Carbon Disulfide	4.54	76	1230779	9.876	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1455975	9.283	ppbv 99
29) Chloroform	5.76	83	1578972	9.027	ppbv 99
30) Cyclohexane	7.15	84	793231	9.323	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1020306	9.444	ppbv 94
32) 1,1,1-Trichloroethane	6.53	97	1546742	9.469	ppbv 99
34) 2-Butanone	5.24	43	1428781	9.339	ppbv 99
35) Carbon Tetrachloride	7.04	117	1602382	9.843	ppbv 98
36) Benzene	6.91	78	1904840	9.073	ppbv 94
37) 1,2-Dichloroethane	6.32	62	1301231	9.833	ppbv 98
38) Trichloroethene	7.86	130	742269	9.173	ppbv 96
39) 1,2-Dichloropropane	7.64	63	770353	9.223	ppbv 98
40) 1,4-Dioxane	7.86	88	282569	9.948	ppbv 95
41) Tetrahydrofuran	6.06	42	781133	9.673	ppbv 99
42) Bromodichloromethane	7.82	83	1715079	9.899	ppbv 97
43) Methyl Methacrylate	8.04	69	866913	9.818	ppbv 98

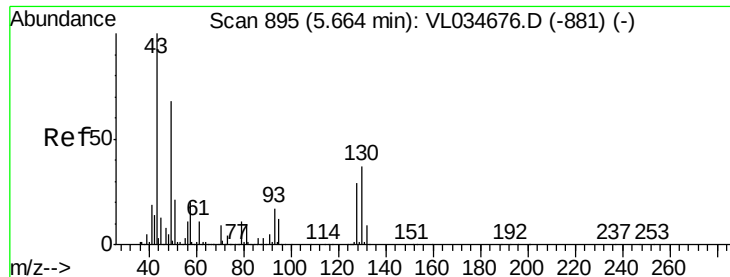
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034760.D
 Acq On : 3 Mar 2020 11:52
 Operator : SY/AP
 Sample : VL0303ABS01
 Misc : 400ml/MSVOA L
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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 05:45:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3361725	9.162	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	1074768	11.154	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	1244598	10.770	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	814697	9.508	ppbv	98
48) Dibromochloromethane	10.35	129	1393144	10.456	ppbv	100
49) Bromoform	13.09	173	1233253	10.675	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2193206	10.121	ppbv	99
51) 2-Hexanone	10.17	43	1852207	10.861	ppbv #	99
52) Tetrachloroethene	11.27	164	682504	8.869	ppbv	94
53) Toluene	9.84	91	2217218	9.930	ppbv	98
54) 1,2-Dibromoethane	10.65	107	1264830	9.894	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	975536	7.510	ppbv #	57
57) Chlorobenzene	12.19	112	1697128	7.528	ppbv	97
58) Ethyl Benzene	12.76	91	3001443	8.133	ppbv	97
59) m/p-Xylene	13.04	91	2411623	7.493	ppbv #	24
60) o-Xylene	13.74	91	2495971	7.815	ppbv	99
61) Styrene	13.58	104	1772227	8.638	ppbv	98
62) Isopropylbenzene	14.72	105	3504919	7.523	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1809194	7.268	ppbv	99
64) n-propylbenzene	15.61	120	906808	7.550	ppbv	92
65) tert-Butylbenzene	16.80	119	3071188	7.634	ppbv	98
66) Benzyl Chloride	17.05	91	1522532	10.145	ppbv	98
67) sec-Butylbenzene	17.35	105	4361762	7.534	ppbv	99
69) p-Isopropyltoluene	17.71	119	3637598	7.633	ppbv	98
70) n-Butylbenzene	18.61	91	3906065	7.527	ppbv	100
71) 2-Chlorotoluene	15.51	91	2790797	7.734	ppbv	99
72) 4-Ethyltoluene	15.90	105	2926899	8.233	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2734168	7.995	ppbv	98
74) 1,2,4-Trimethylbenzene	16.82	105	2850351	7.547	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	1627130	7.464	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1640476	7.521	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	1588038	7.534	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1251969	6.822	ppbv	99
79) Naphthalene	22.28	128	2749566	8.272	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	754553	7.360	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	1475865	7.440	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

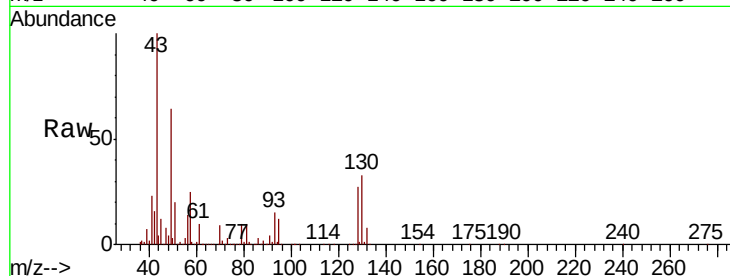
Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1180893

Ion	Ratio	Lower	Upper
49	100		
128	43.1	21.6	65.0
130	55.0	27.7	83.1



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

5.68

800000

600000

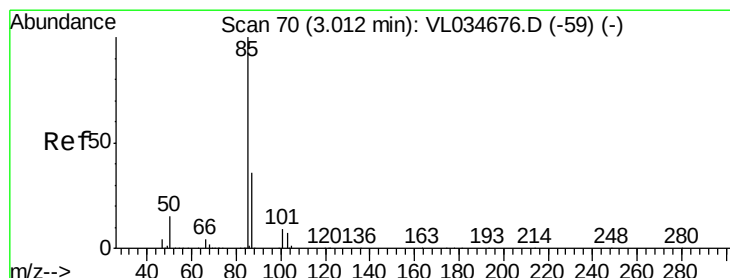
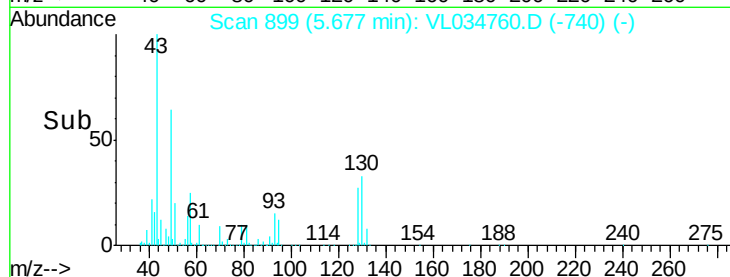
400000

200000

0

Time-->

5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 7.646 ppbv

RT: 3.02 min Scan# 72

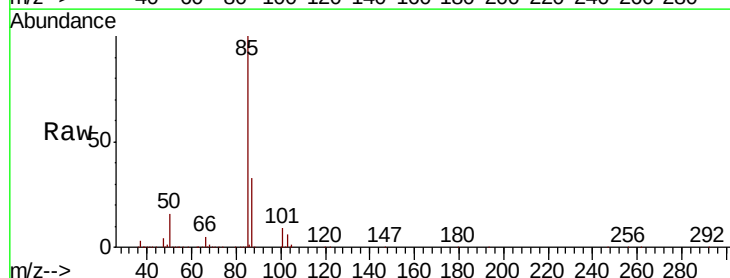
Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Tgt Ion: 85 Resp: 1424375

Ion	Ratio	Lower	Upper
85	100		
87	33.1	29.2	43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.02

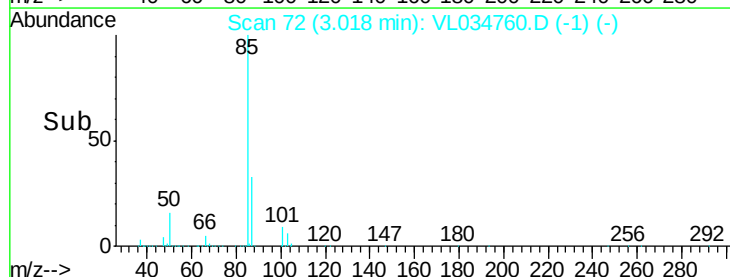
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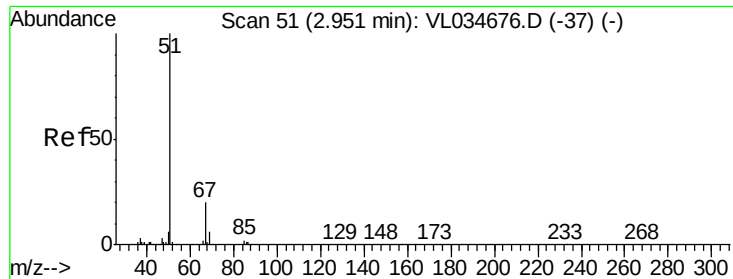
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0

Time-->

2.95 3.00 3.05

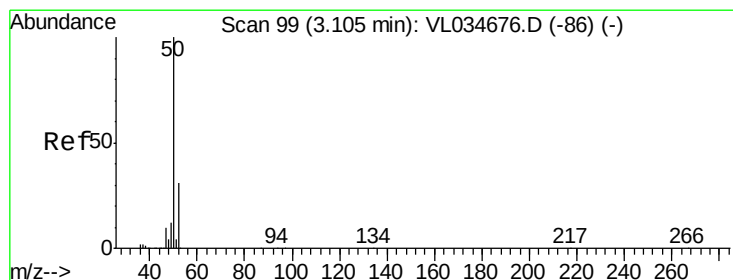
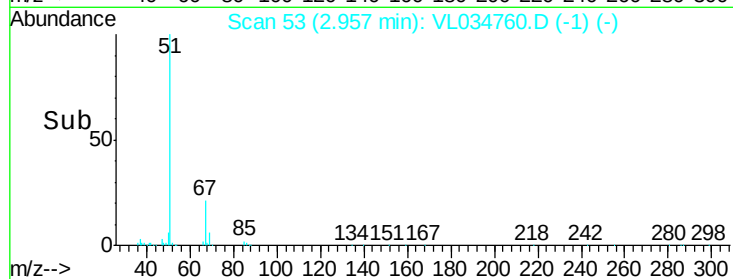
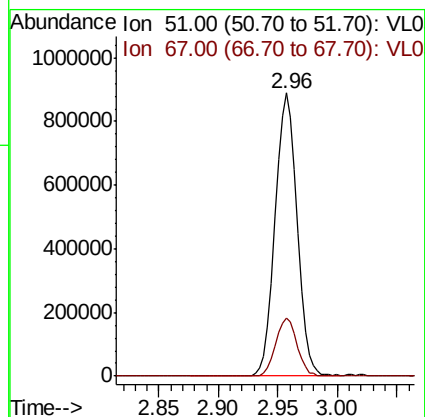
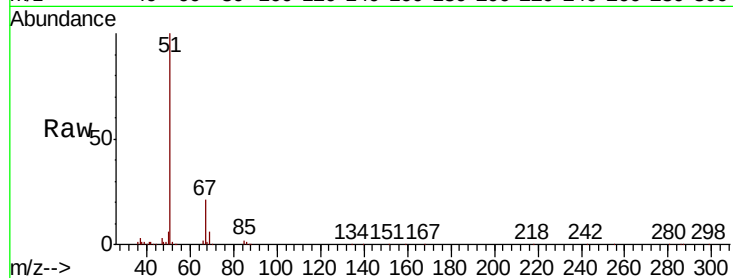




#3
Chlorodifluoromethane
Concen: 8.915 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

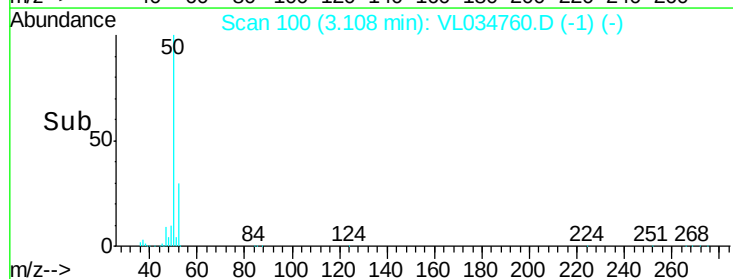
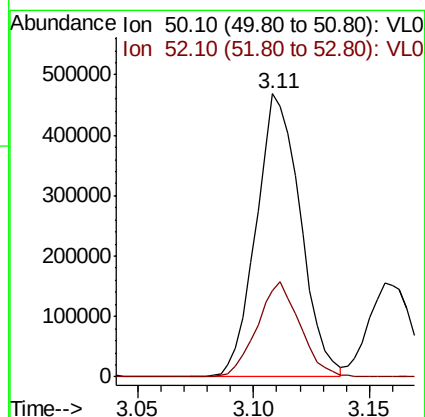
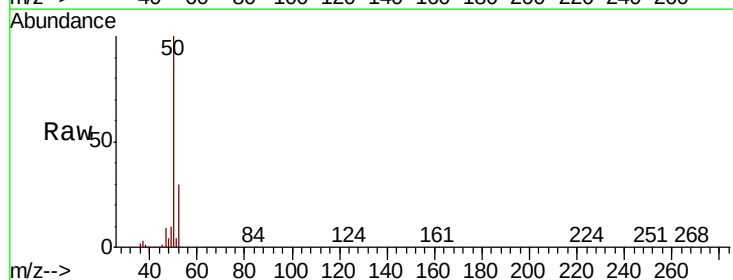
Instrument :
MSVOA_L
ClientSampleId :

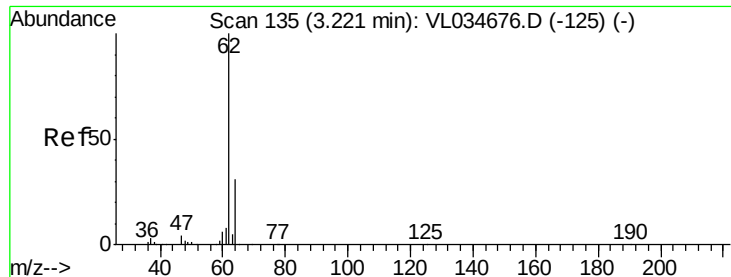
Tot Ion: 51 Resp: 1136159
Ion Ratio Lower Upper
51 100
67 20.1 15.5 23.3



#4
Chloromethane
Concen: 8.697 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion: 50 Resp: 620439
Ion Ratio Lower Upper
50 100
52 30.4 25.0 37.4





#5

Vinyl Chloride

Concen: 8.860 ppbv

RT: 3.23 min Scan# 138

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

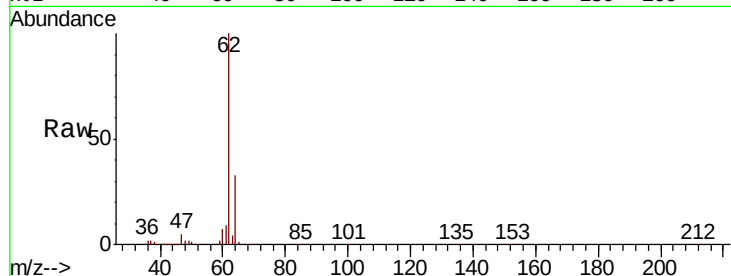
ClientSampled :

Tot Ion: 62 Resp: 620054

Ion Ratio Lower Upper

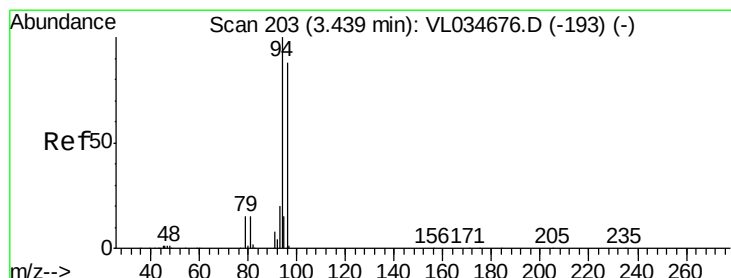
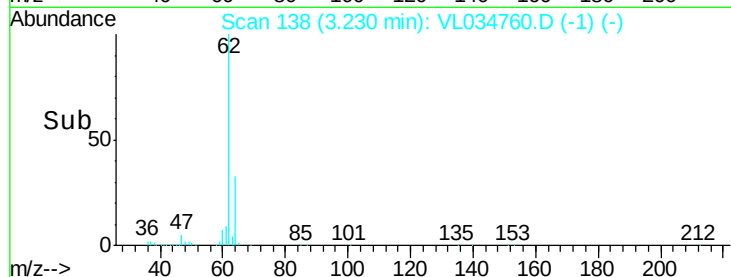
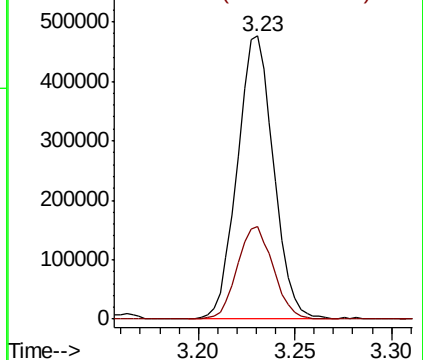
62 100

64 32.7 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.187 ppbv

RT: 3.45 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL034760.D

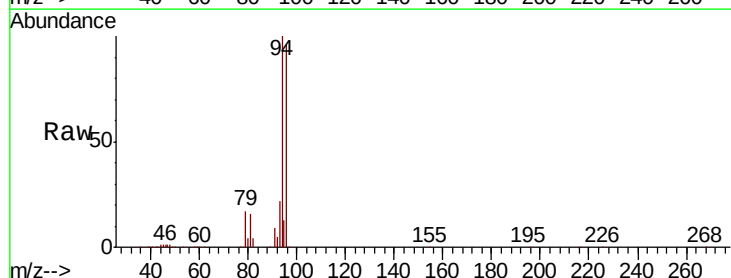
Acq: 3 Mar 2020 11:52

Tgt Ion: 94 Resp: 376676

Ion Ratio Lower Upper

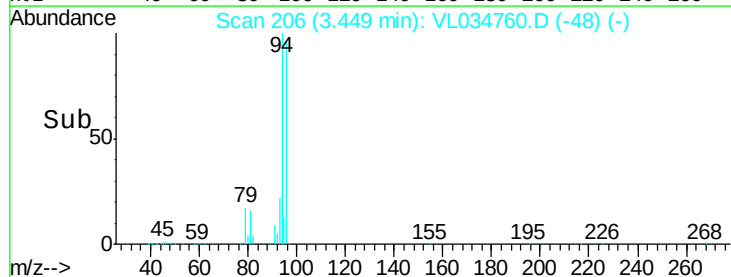
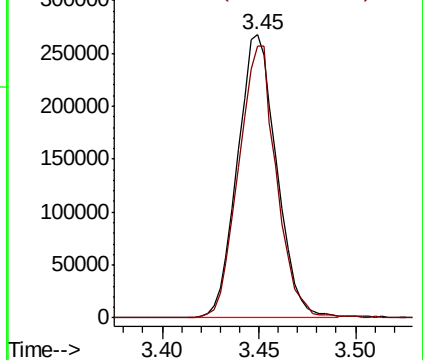
94 100

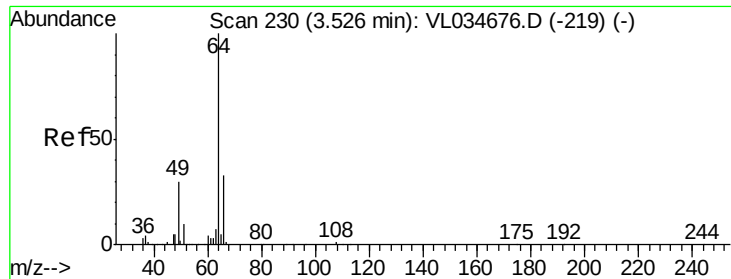
96 95.9 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.123 ppbv

RT: 3.54 min Scan# 233

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

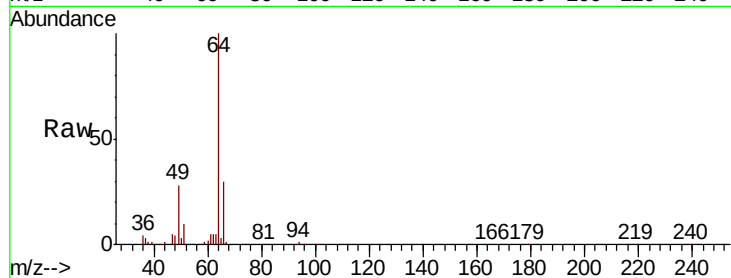
ClientSampleId :

Tot Ion: 64 Resp: 237027

Ion Ratio Lower Upper

64 100

66 30.4 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

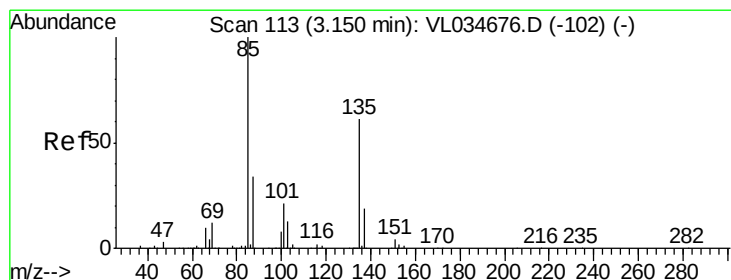
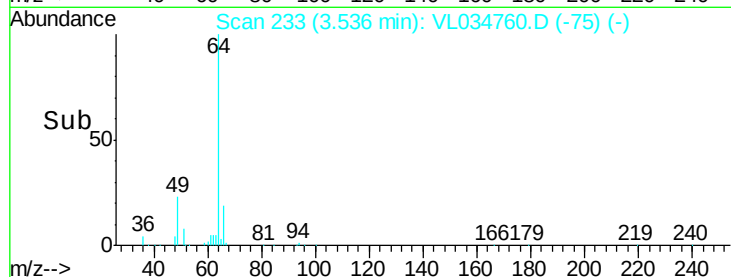
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.642 ppbv

RT: 3.16 min Scan# 116

Delta R.T. 0.01 min

Lab File: VL034760.D

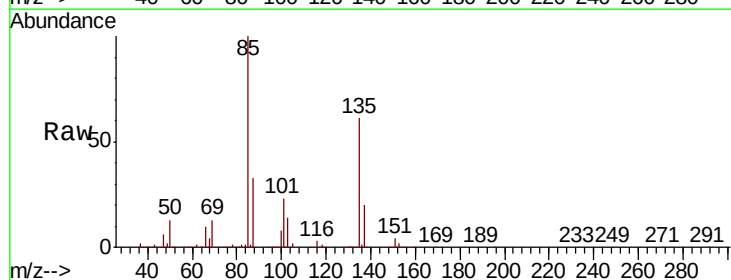
Acq: 3 Mar 2020 11:52

Tgt Ion: 85 Resp: 1424006

Ion Ratio Lower Upper

85 100

135 61.7 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1200000

1000000

800000

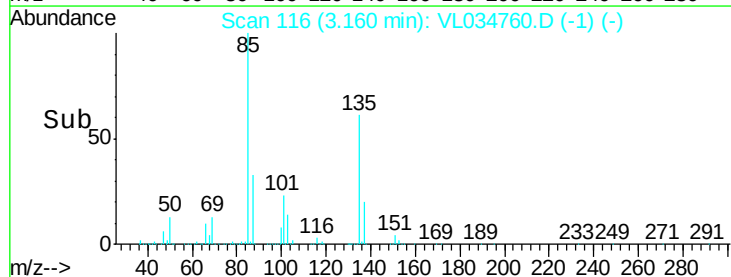
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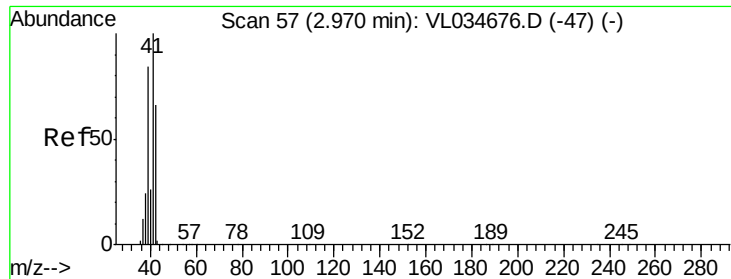
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200000

0

Time-->





#9

Propene

Concen: 8.357 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

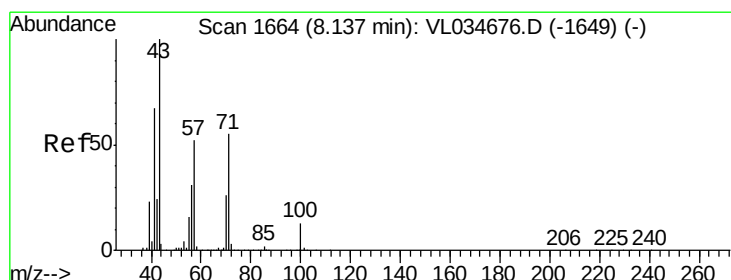
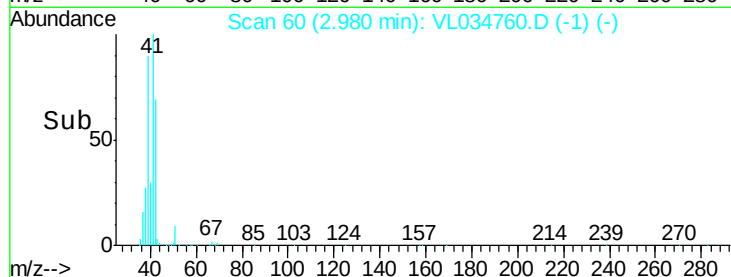
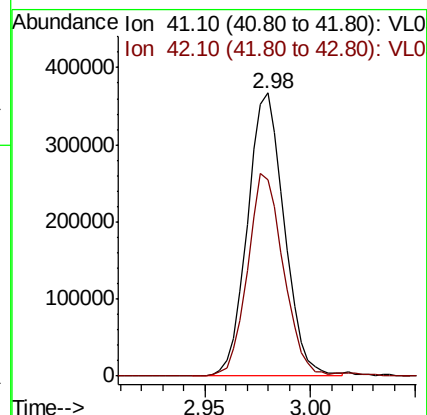
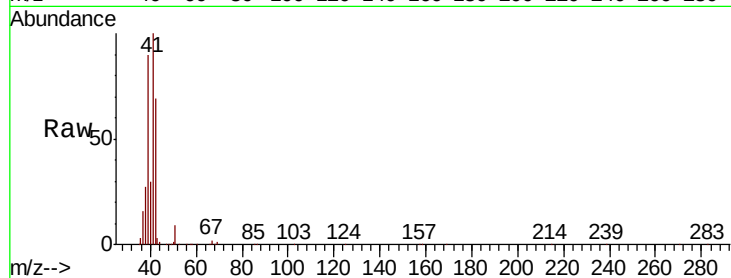
ClientSampleId :

Tot Ion: 41 Resp: 445182

Ion Ratio Lower Upper

41 100

42 70.8 54.9 82.3



#10

Heptane

Concen: 9.237 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VL034760.D

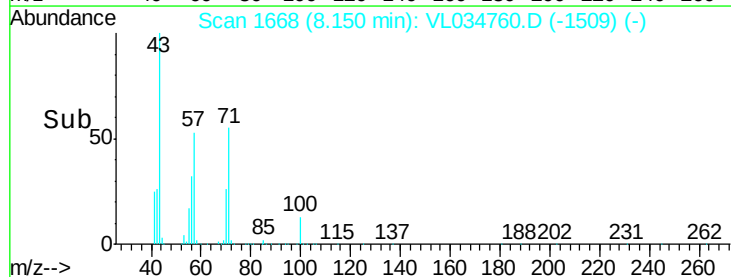
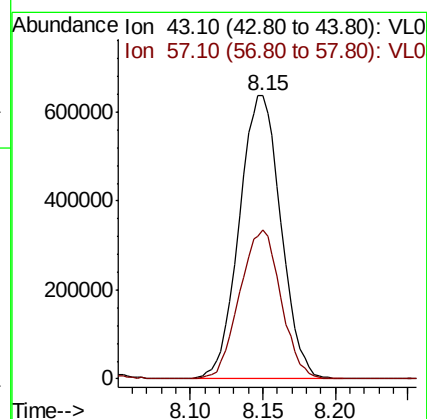
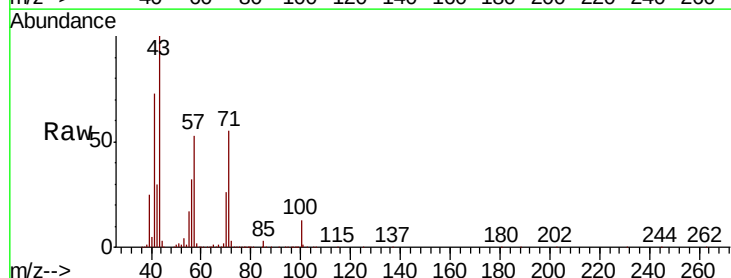
Acq: 3 Mar 2020 11:52

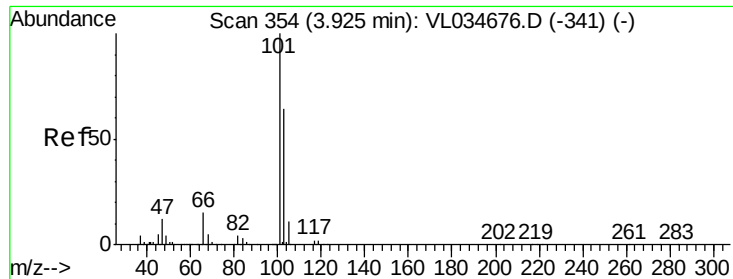
Tgt Ion: 43 Resp: 1266590

Ion Ratio Lower Upper

43 100

57 52.6 41.0 61.6

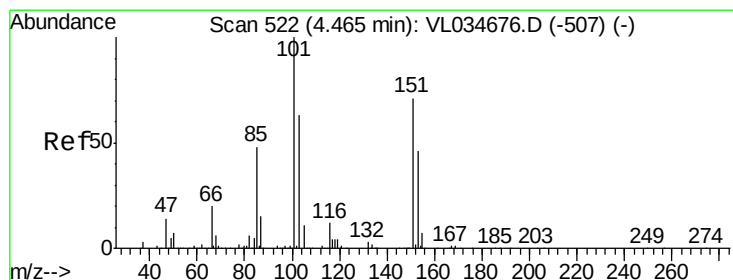
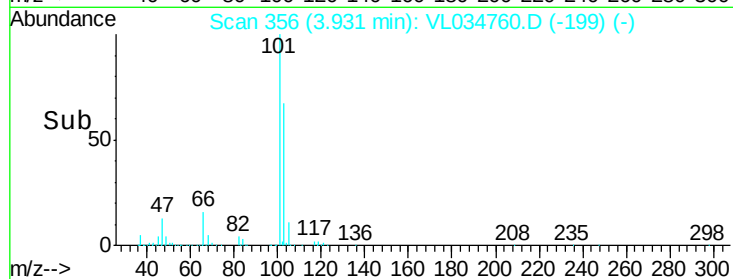
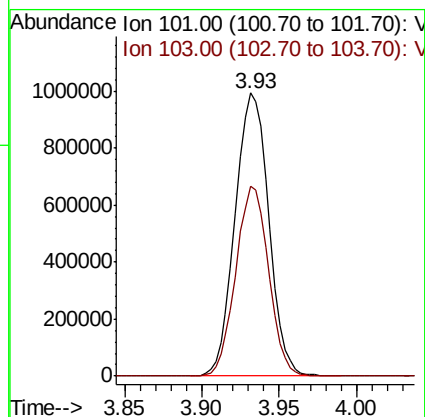
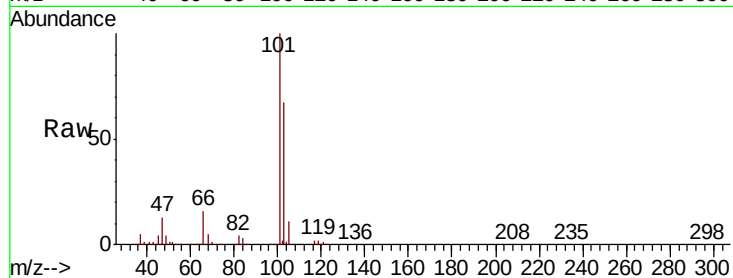




#11
 Trichlorofluoromethane
 Concen: 9.199 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

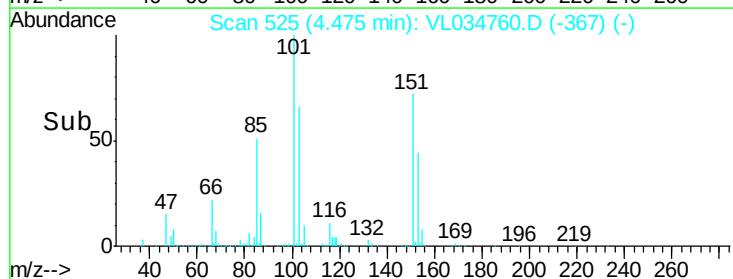
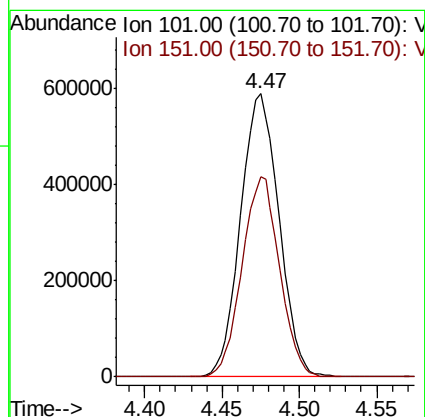
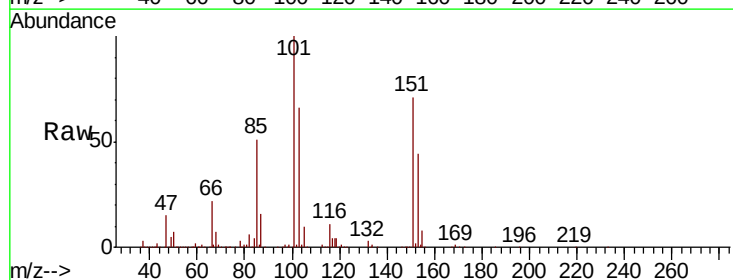
Instrument :
 MSVOA_L
 ClientSampled :

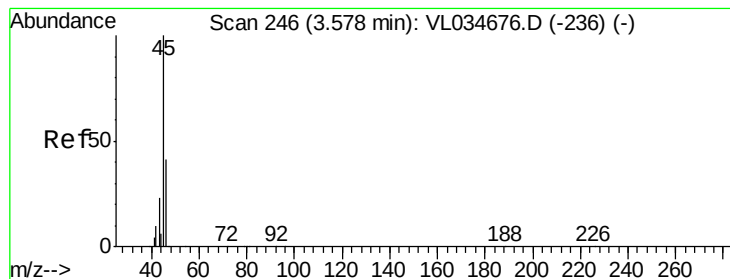
Tot Ion:101 Resp: 1500946
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.853 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion:101 Resp: 1018213
 Ion Ratio Lower Upper
 101 100
 151 69.3 55.8 83.6





#13

Ethanol

Concen: 7.999 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

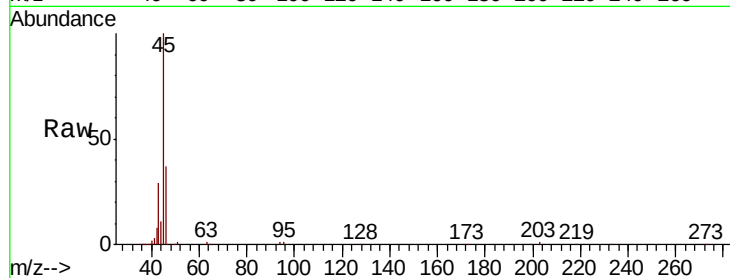
ClientSampleId :

Tot Ion: 45 Resp: 134610

Ion Ratio Lower Upper

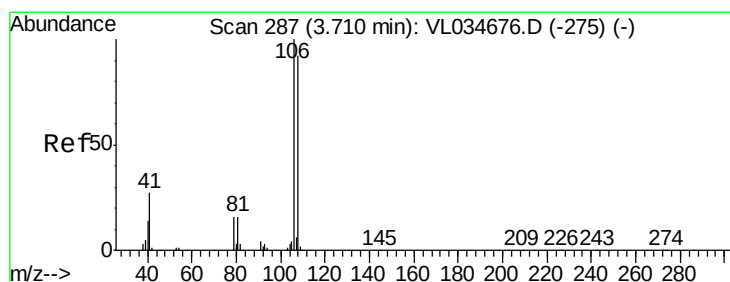
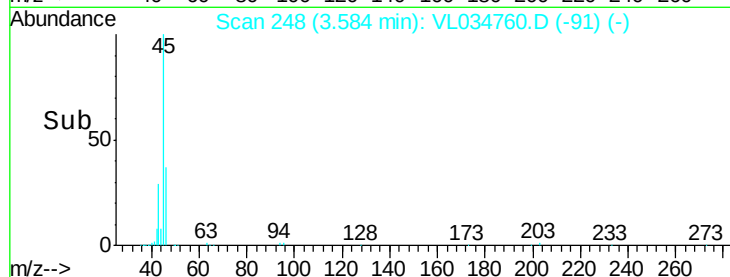
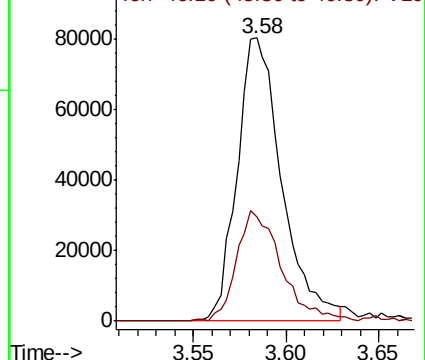
45 100

46 39.8 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.269 ppbv

RT: 3.72 min Scan# 290

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

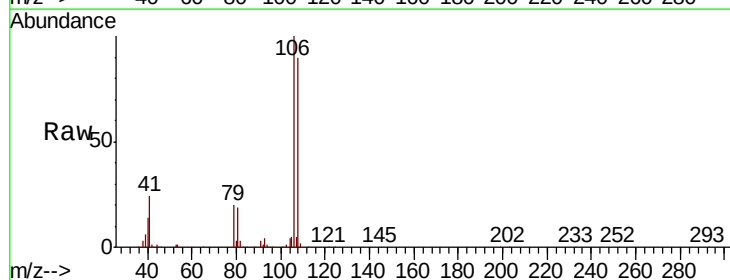
Tgt Ion: 108 Resp: 444797

Ion Ratio Lower Upper

108 100

106 108.4 86.7 130.1

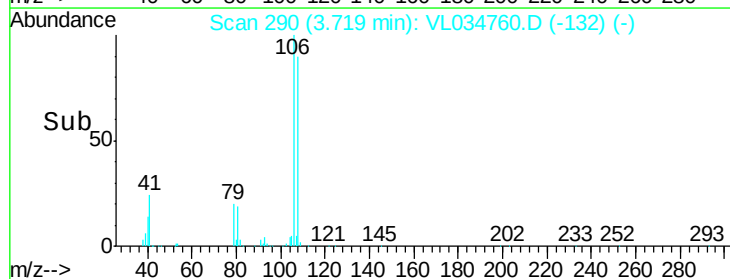
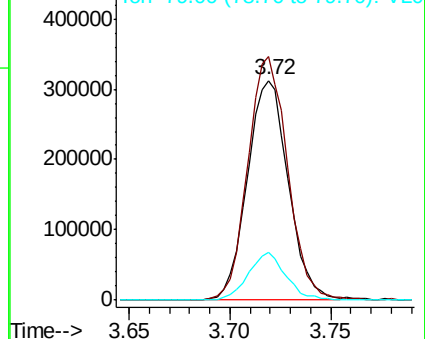
79 20.2 15.0 22.6

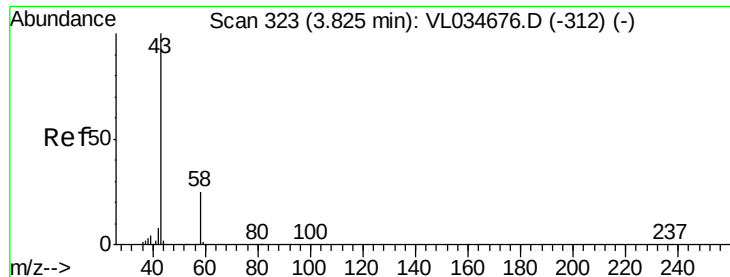


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.742 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

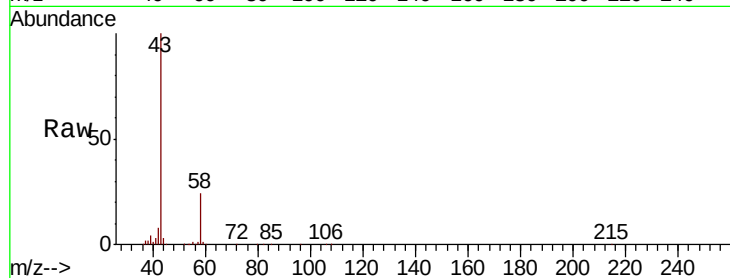
ClientSampleId :

Tot Ion: 43 Resp: 1176422

Ion Ratio Lower Upper

43 100

58 26.3 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

800000

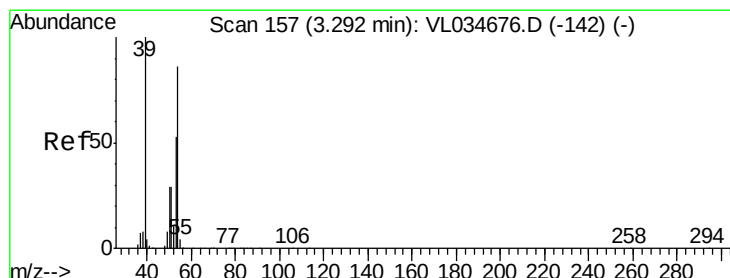
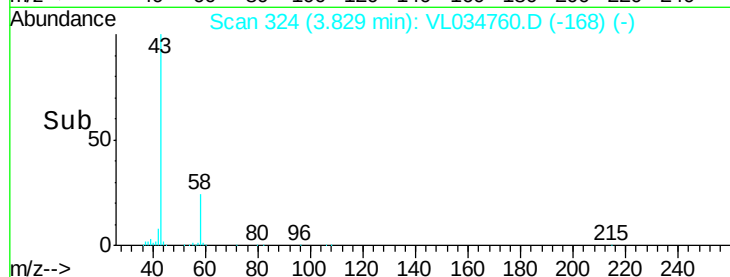
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 9.409 ppbv

RT: 3.30 min Scan# 160

Delta R.T. 0.01 min

Lab File: VL034760.D

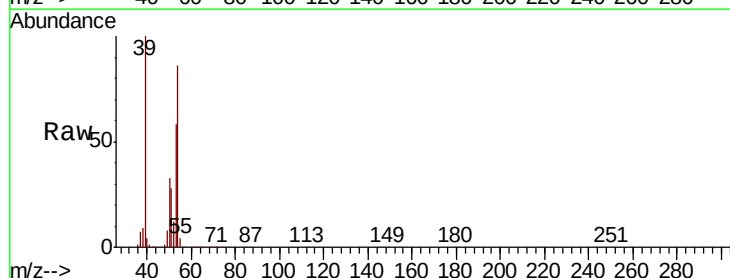
Acq: 3 Mar 2020 11:52

Tgt Ion: 39 Resp: 586090

Ion Ratio Lower Upper

39 100

54 81.7 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.30

500000

400000

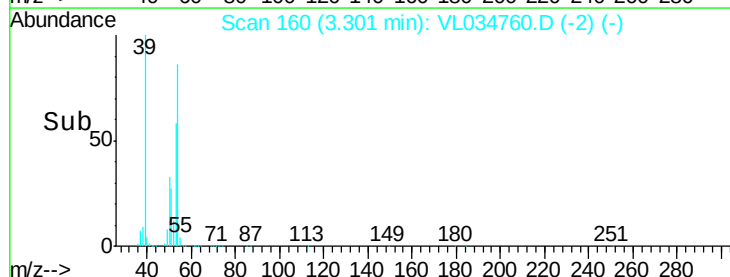
300000

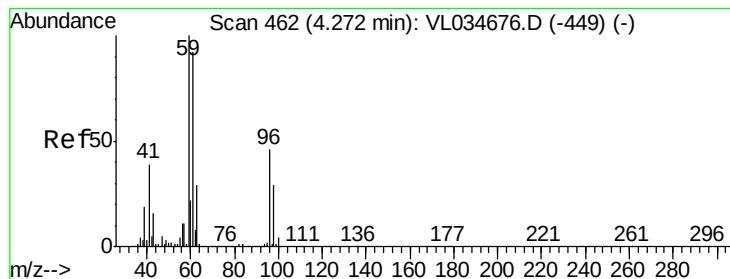
200000

100000

0

Time--> 3.25 3.30 3.35





#17

tert-Butyl alcohol

Concen: 10.173 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

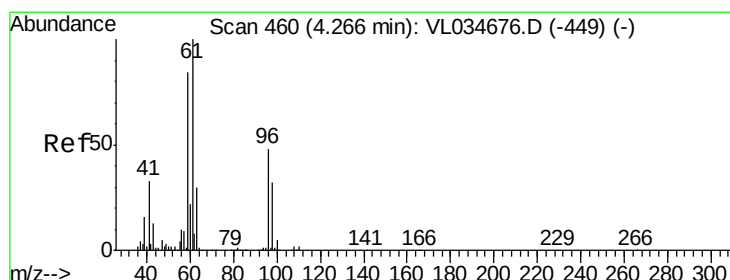
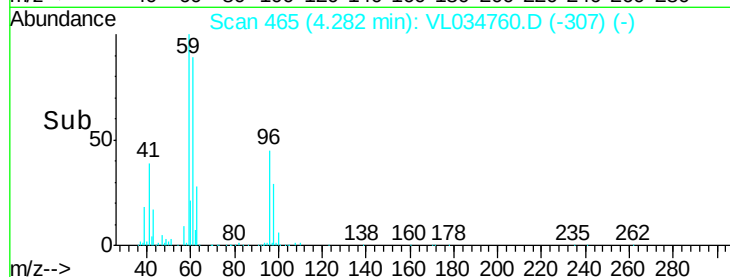
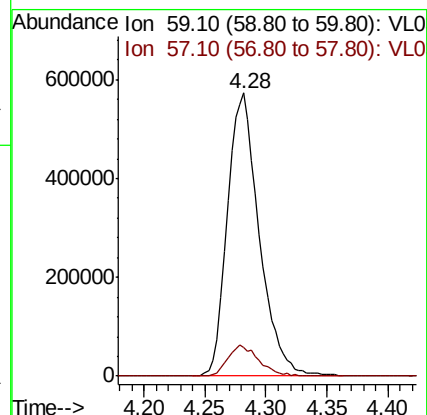
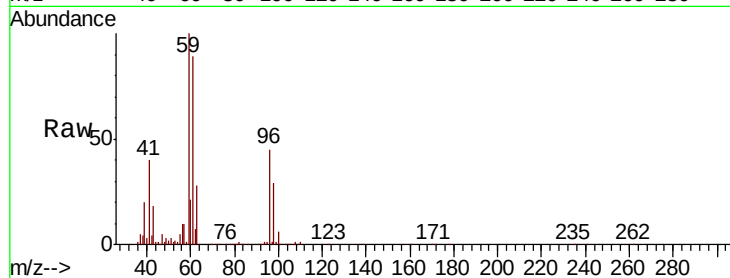
ClientSampleId :

Tot Ion: 59 Resp: 1049044

Ion Ratio Lower Upper

59 100

57 10.8 8.8 13.2



#18

1,1-Dichloroethene

Concen: 9.025 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

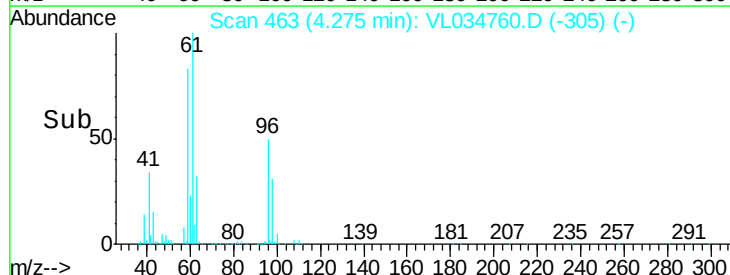
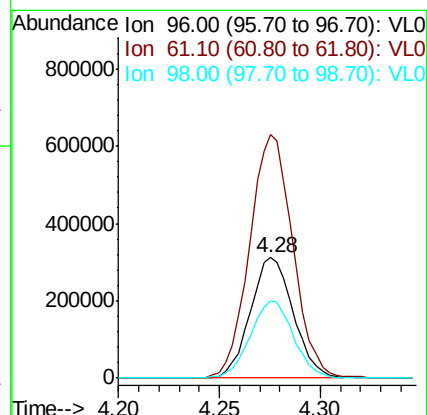
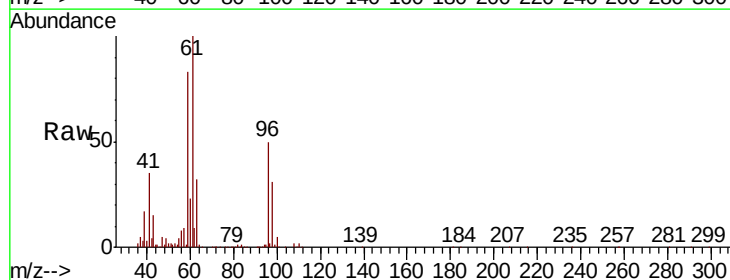
Tgt Ion: 96 Resp: 466018

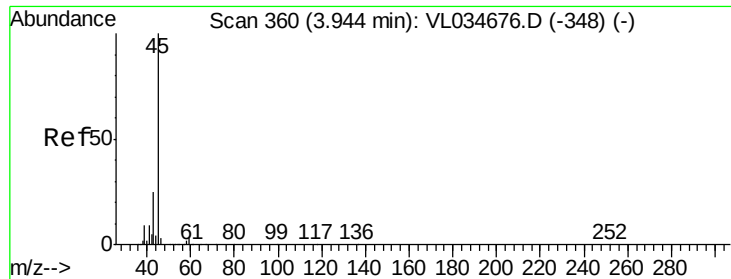
Ion Ratio Lower Upper

96 100

61 201.7 165.1 247.7

98 63.5 52.7 79.1



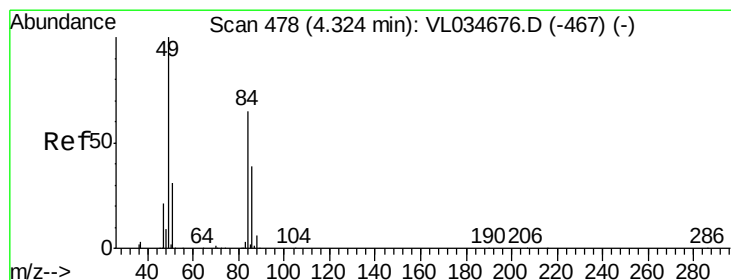
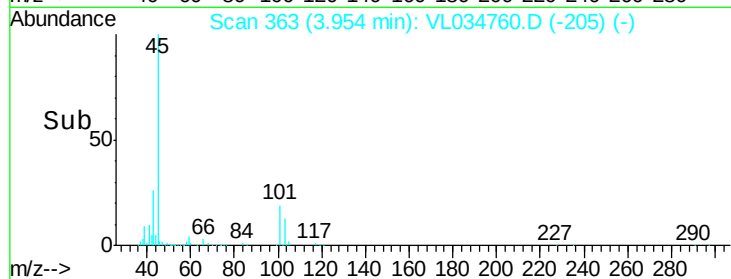
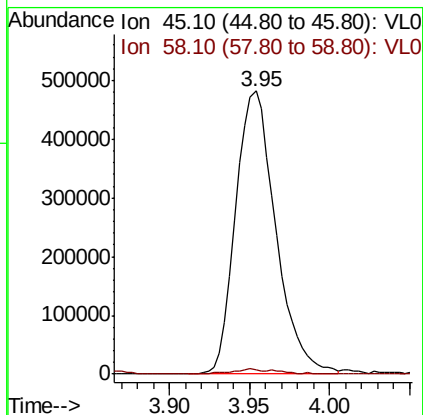
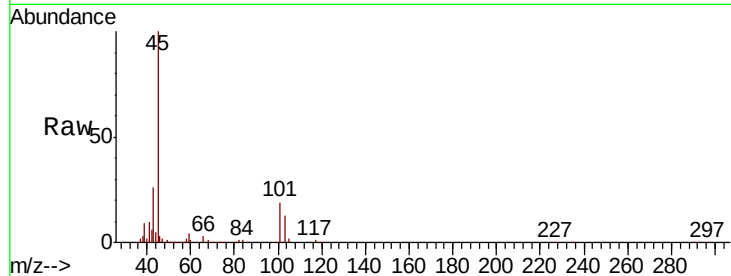


#19

Isopropyl Alcohol
 Concen: 10.260 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

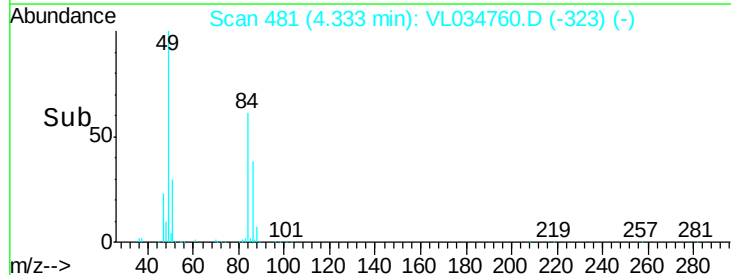
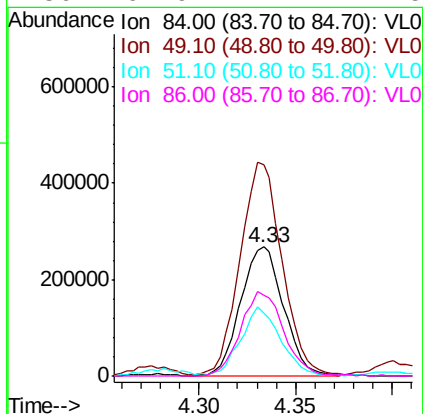
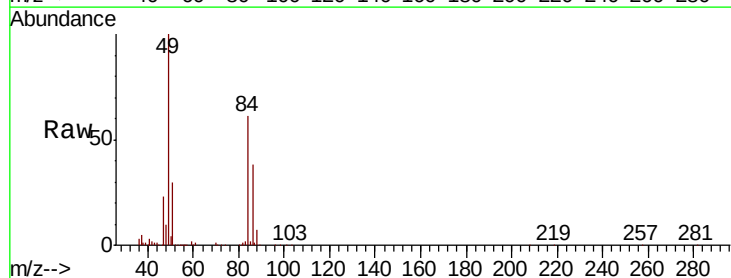
Tot Ion: 45 Resp: 822389
 Ion Ratio Lower Upper
 45 100
 58 2.4 1.8 2.6

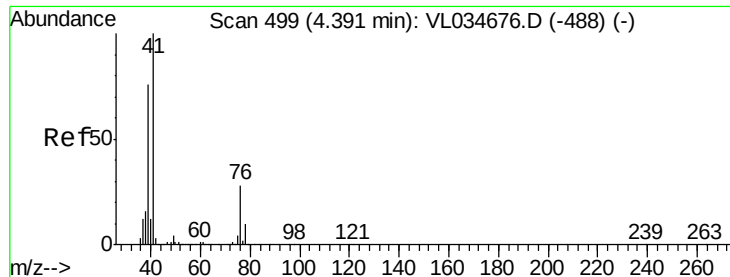


#20

Methylene Chloride
 Concen: 8.236 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion: 84 Resp: 412176
 Ion Ratio Lower Upper
 84 100
 49 162.8 122.8 184.2
 51 48.2 38.6 58.0
 86 62.9 47.7 71.5

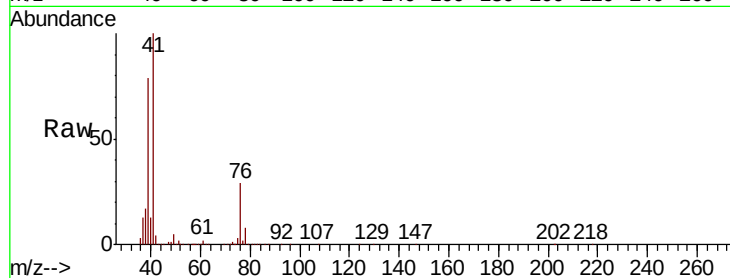




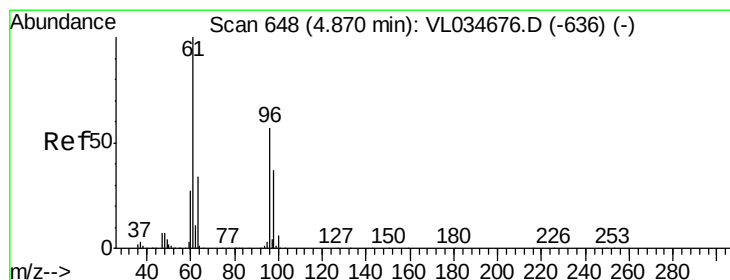
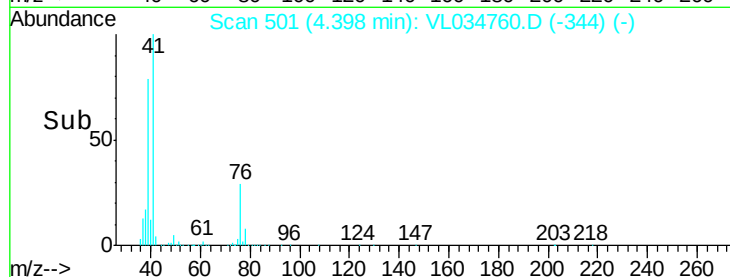
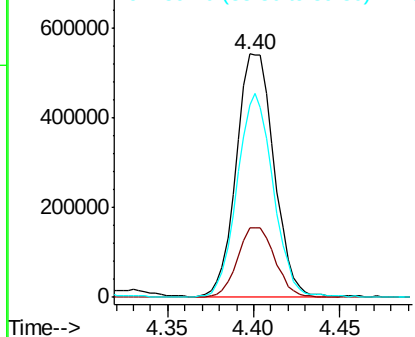
#21
Allvl Chloride
Concen: 9.283 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 826502
Ion Ratio Lower Upper
41 100
76 28.7 22.8 34.2
39 80.3 61.7 92.5

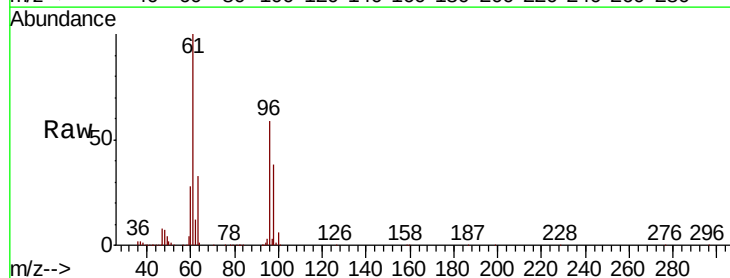


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

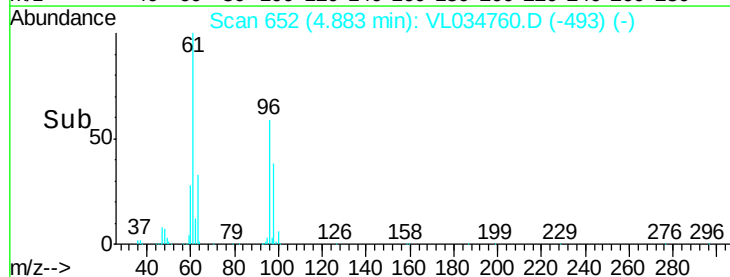
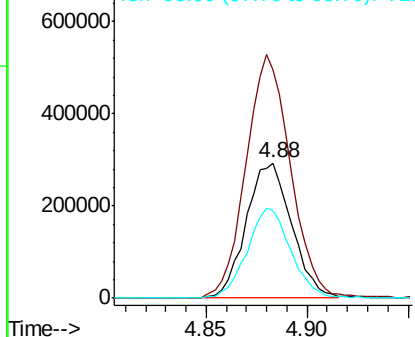


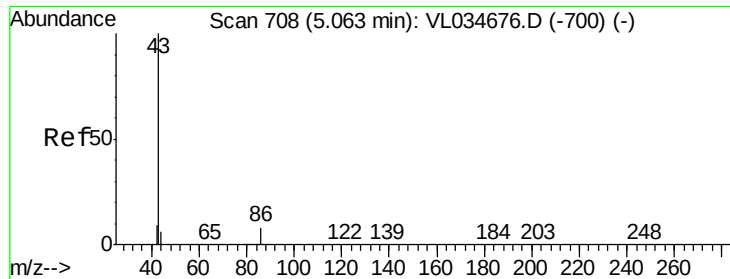
#22
trans-1,2-Dichloroethene
Concen: 9.164 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion: 96 Resp: 461370
Ion Ratio Lower Upper
96 100
61 169.4 139.4 209.0
98 65.1 51.3 76.9



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: 9.816 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

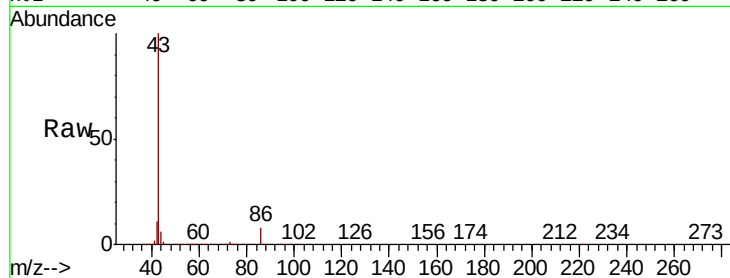
Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

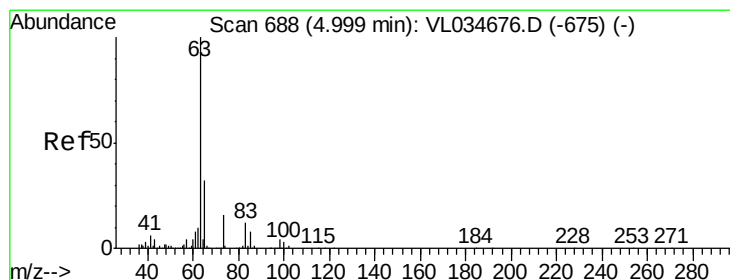
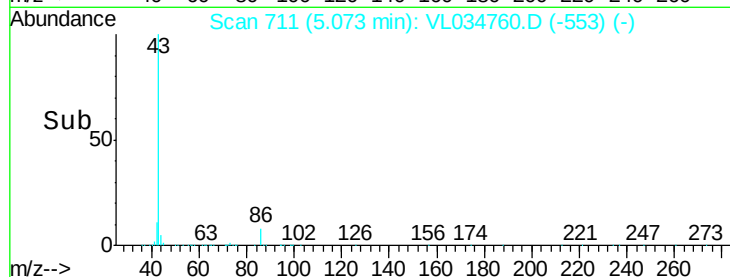
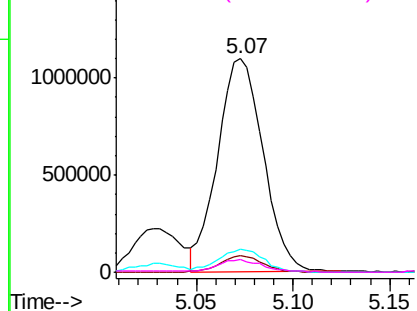
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1795757

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.0	9.0
42	10.9	8.0	12.0
44	6.1	4.5	6.7



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: 8.917 ppbv

RT: 5.01 min Scan# 691

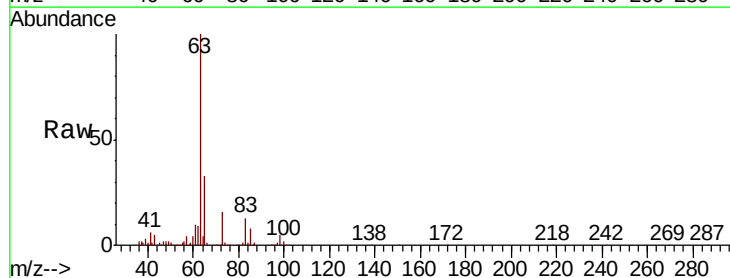
Delta R.T. 0.01 min

Lab File: VL034760.D

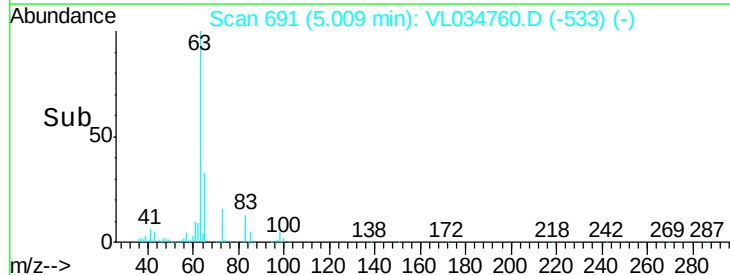
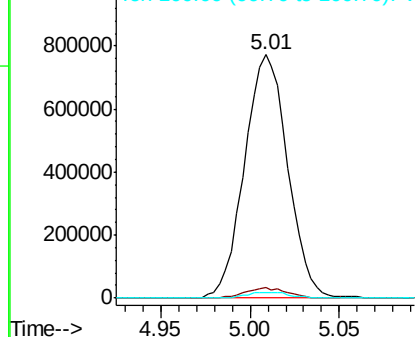
Acq: 3 Mar 2020 11:52

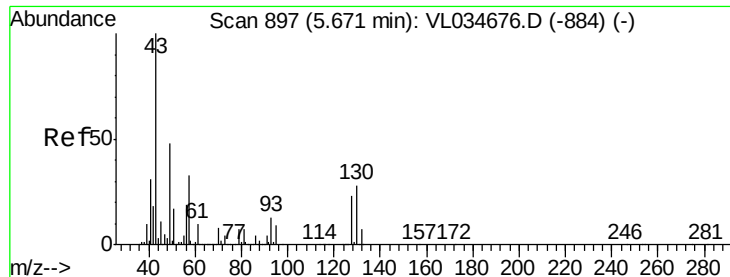
Tgt Ion: 63 Resp: 1302789

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.5	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: 9.181 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

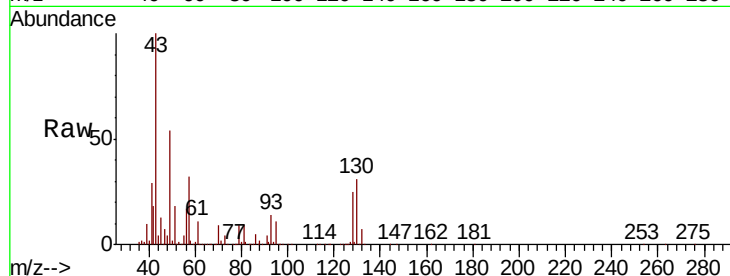
Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 2186905

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.7	7.8	11.6
70	7.4	6.1	9.1



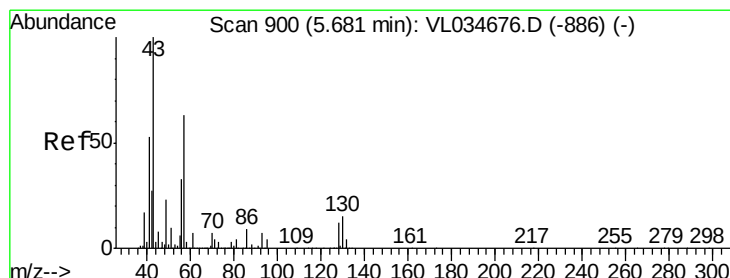
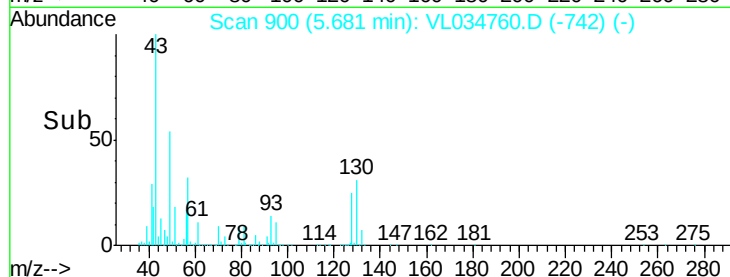
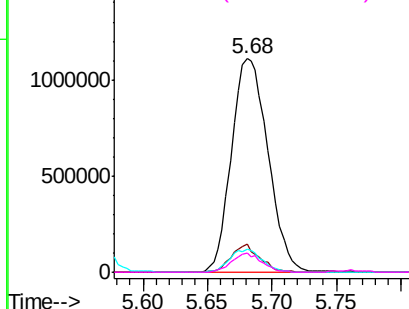
Abundance

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: 8.907 ppbv

RT: 5.69 min Scan# 903

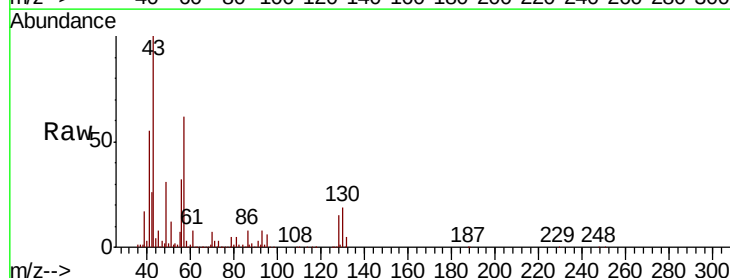
Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Tgt Ion: 57 Resp: 977908

Ion	Ratio	Lower	Upper
57	100		
41	90.1	70.3	105.5
43	224.1	177.0	265.4
56	53.3	42.6	64.0



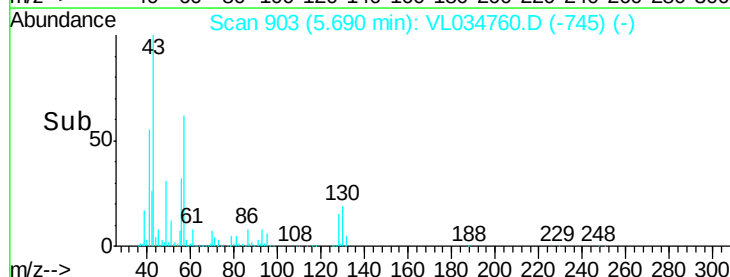
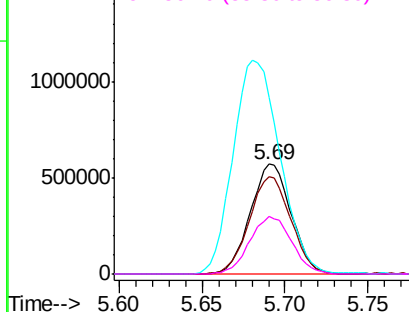
Abundance

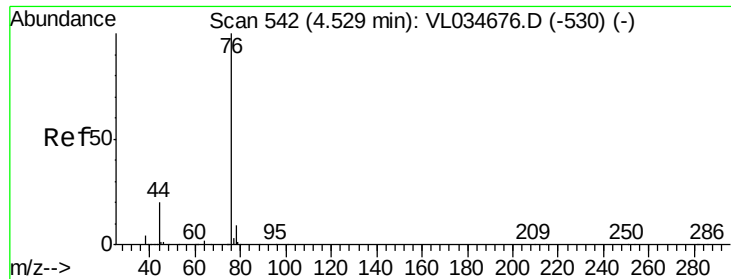
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.876 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampled :

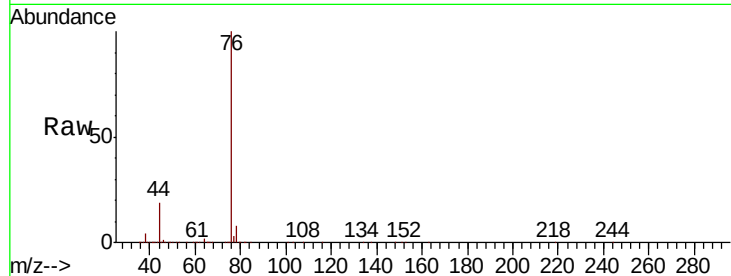
Tot Ion: 76 Resp: 1230779

Ion Ratio Lower Upper

76 100

44 20.1 15.3 22.9

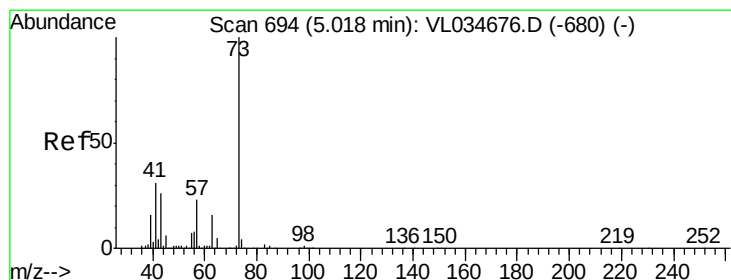
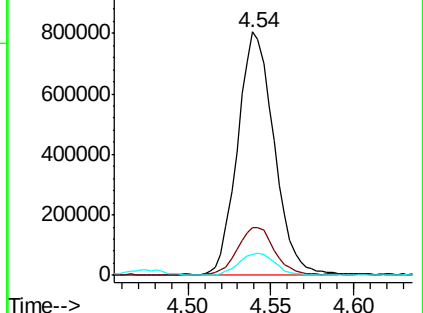
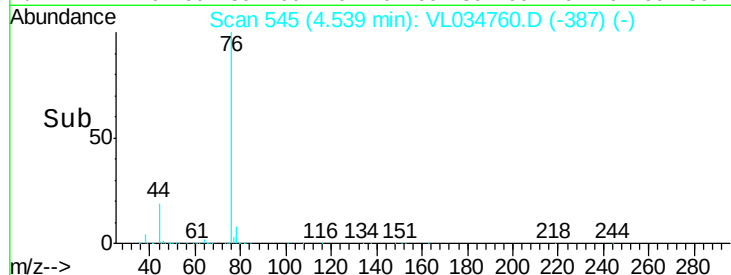
78 9.2 7.6 11.4



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: 9.283 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL034760.D

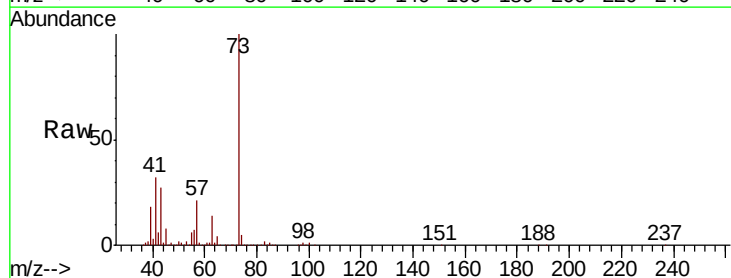
Acq: 3 Mar 2020 11:52

Tgt Ion: 73 Resp: 1455975

Ion Ratio Lower Upper

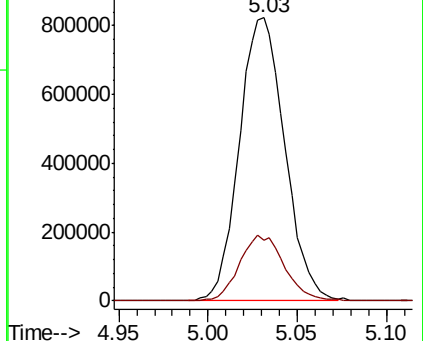
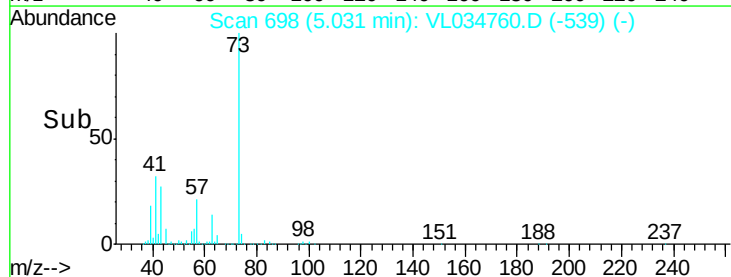
73 100

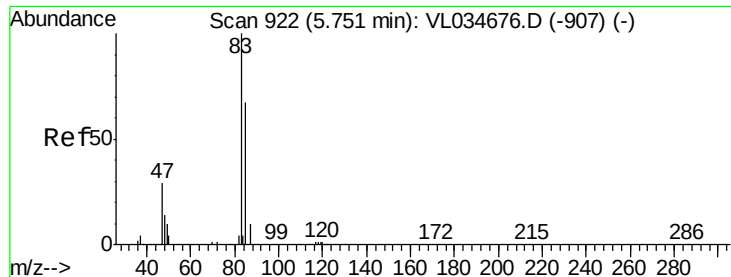
57 23.0 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

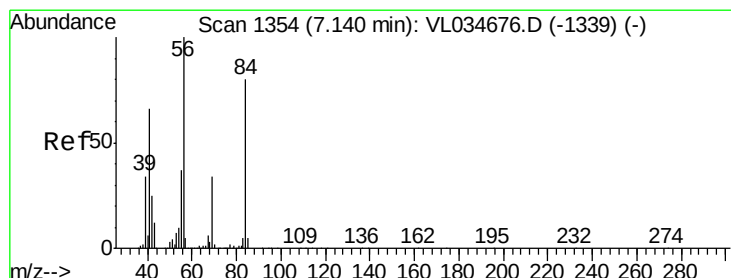
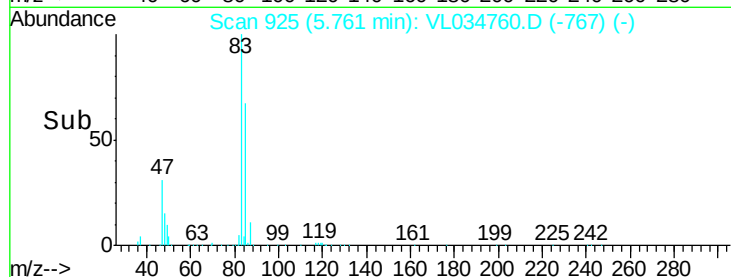
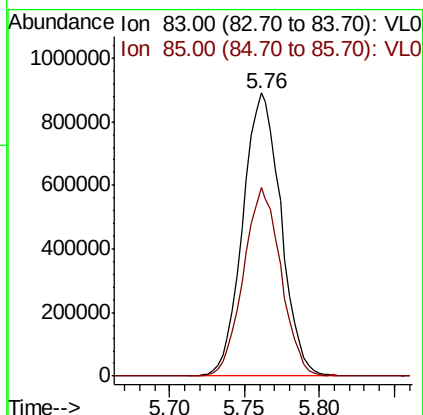
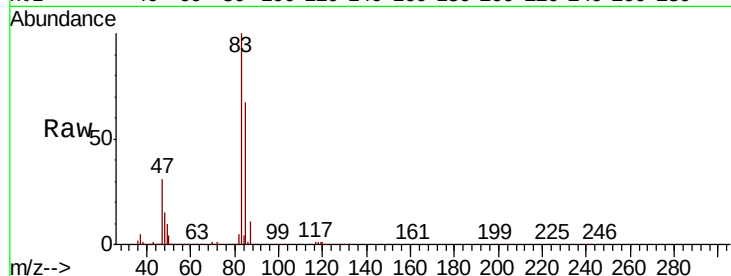




#29
Chloroform
Concen: 9.027 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

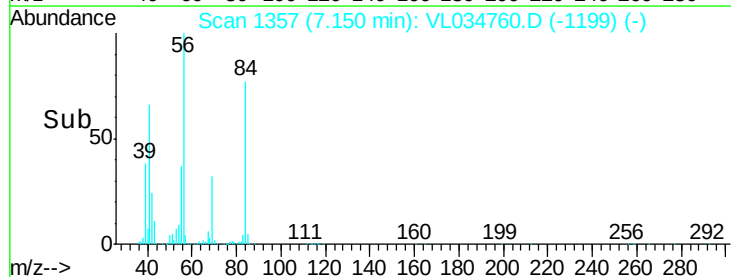
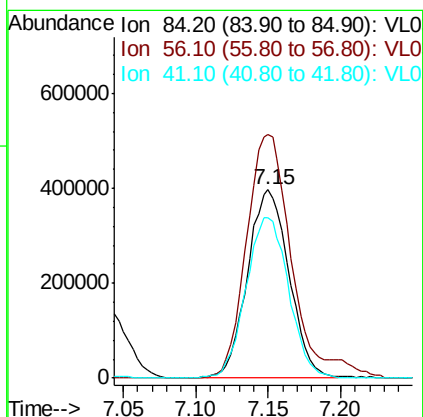
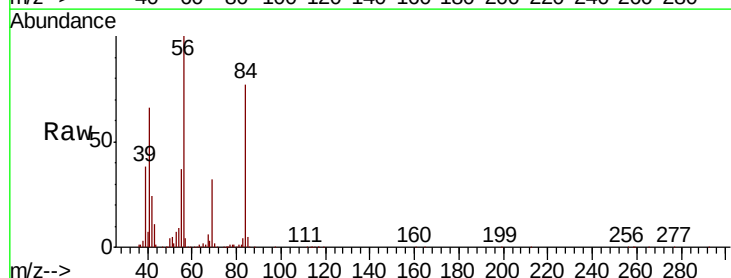
Instrument :
MSVOA_L
ClientSampleId :

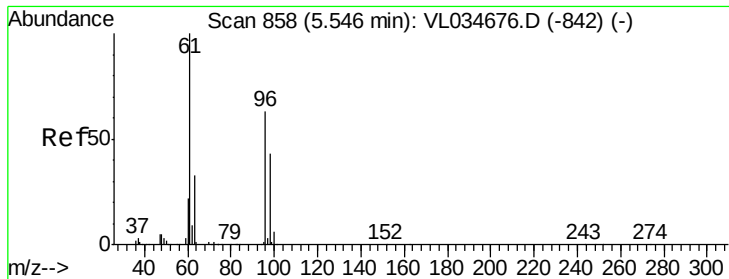
Tot Ion: 83 Resp: 1578972
Ion Ratio Lower Upper
83 100
85 66.6 53.9 80.9



#30
Cyclohexane
Concen: 9.323 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion: 84 Resp: 793231
Ion Ratio Lower Upper
84 100
56 141.6 113.4 170.2
41 87.4 68.2 102.4



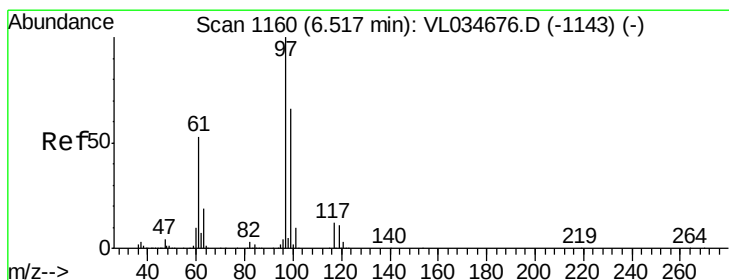
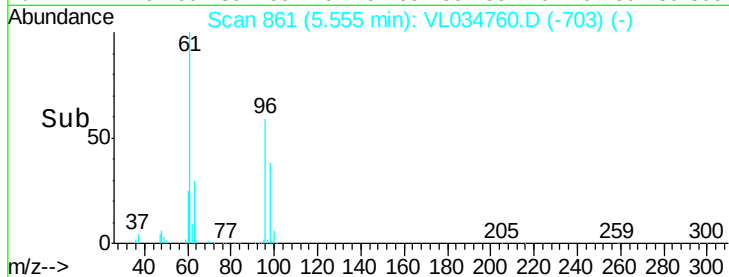
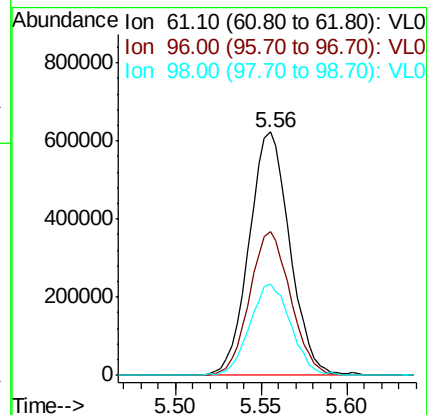
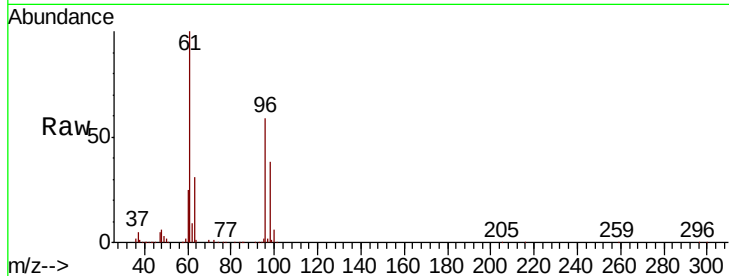


#31

cis-1,2-Dichloroethene
 Concen: 9.444 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

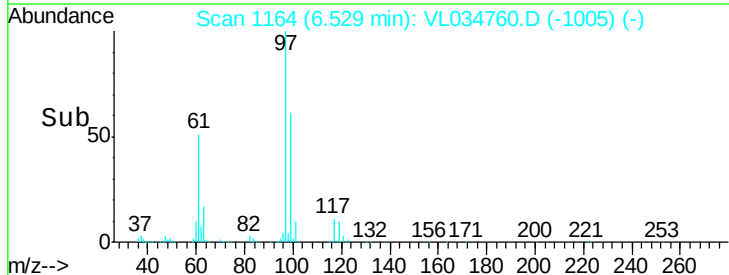
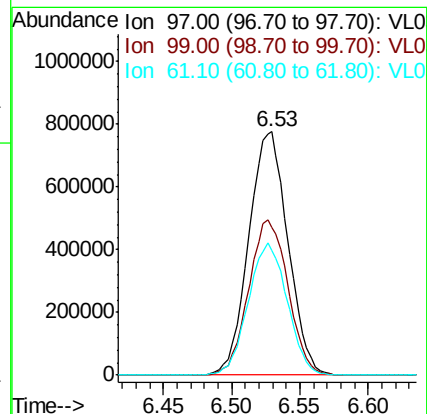
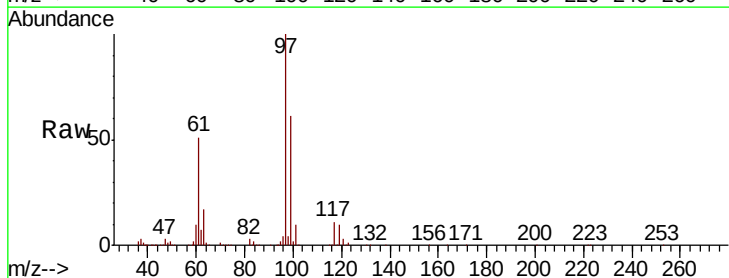
Tot Ion: 61 Resp: 1020306
 Ion Ratio Lower Upper
 61 100
 96 59.0 50.2 75.2
 98 37.5 34.3 51.5

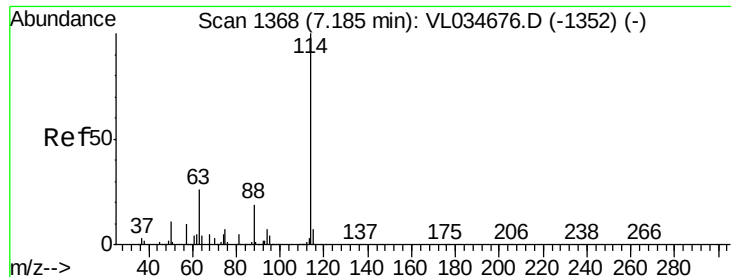


#32

1,1,1-Trichloroethane
 Concen: 9.469 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion: 97 Resp: 1546742
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.3 78.5
 61 54.0 42.8 64.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampleId :

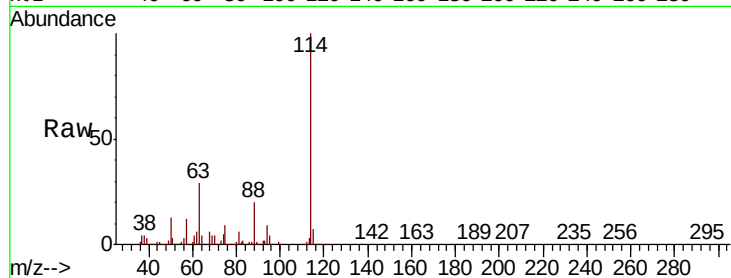
Tot Ion:114 Resp: 2430689

Ion Ratio Lower Upper

114 100

63 29.3 22.9 34.3

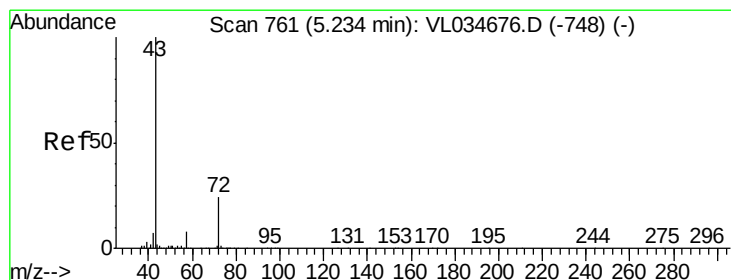
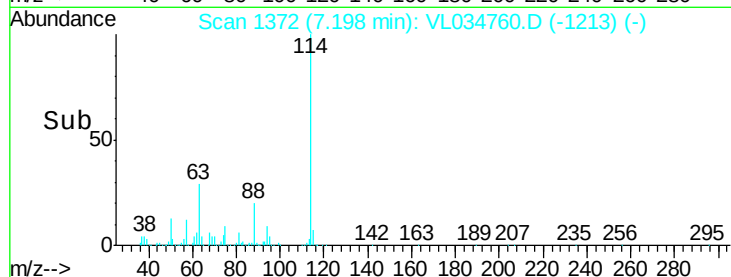
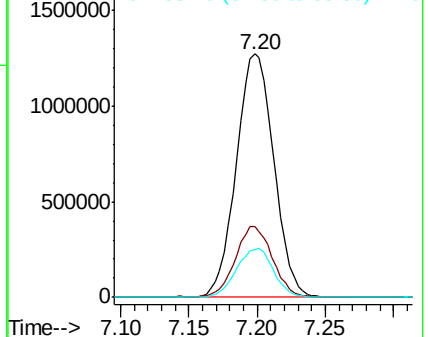
88 19.9 15.8 23.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.339 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL034760.D

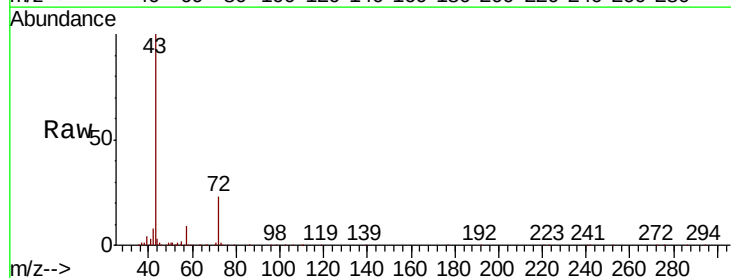
Acq: 3 Mar 2020 11:52

Tgt Ion: 43 Resp: 1428781

Ion Ratio Lower Upper

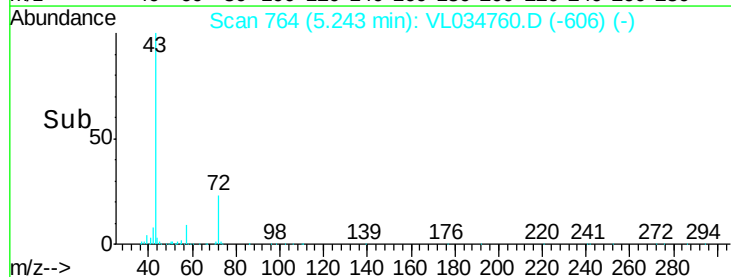
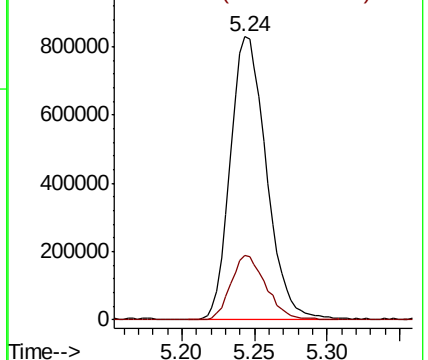
43 100

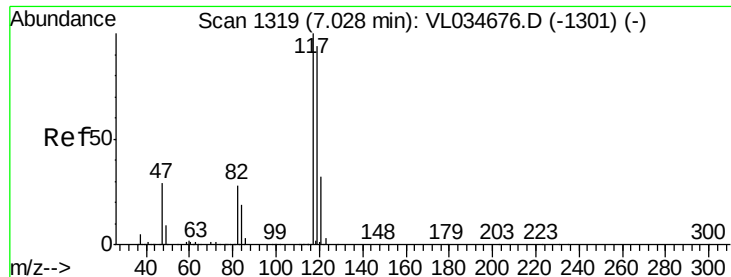
72 22.4 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.843 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampled :

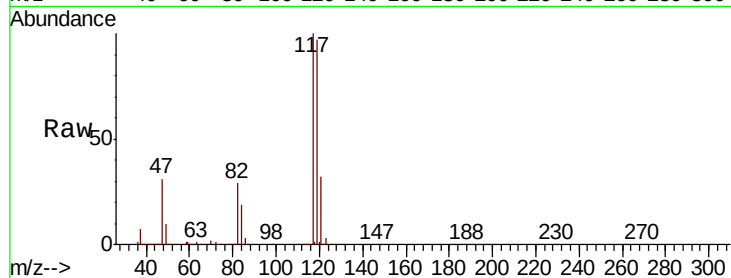
Tot Ion:117 Resp: 1602382

Ion Ratio Lower Upper

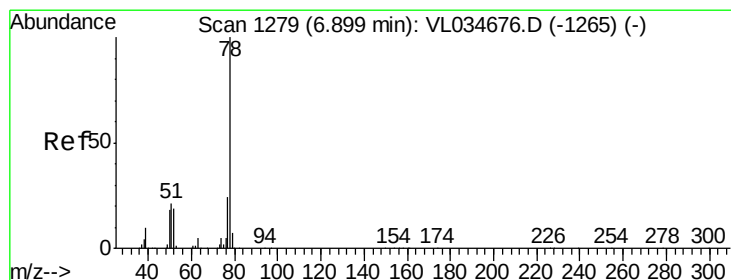
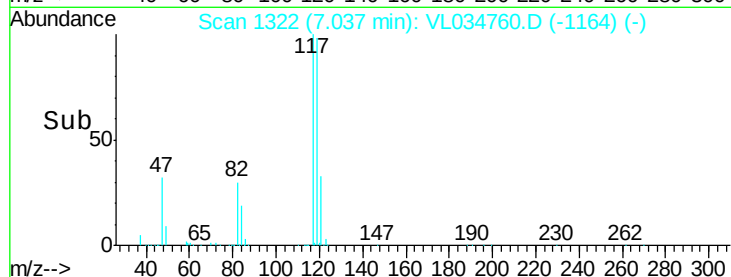
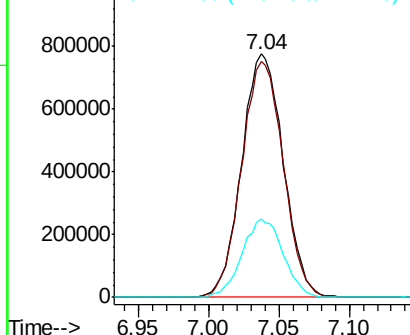
117 100

119 96.9 75.5 113.3

121 32.1 25.4 38.0



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: 9.073 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

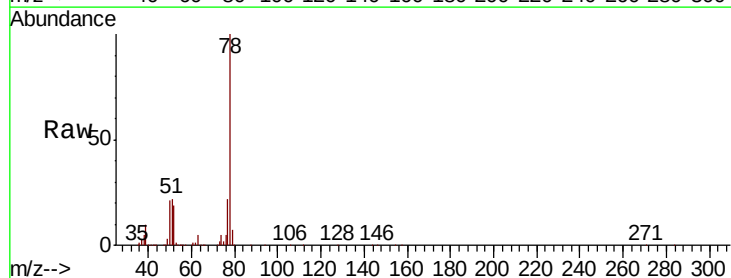
Tgt Ion: 78 Resp: 1904840

Ion Ratio Lower Upper

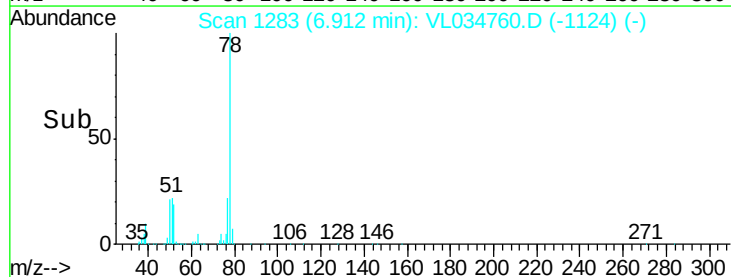
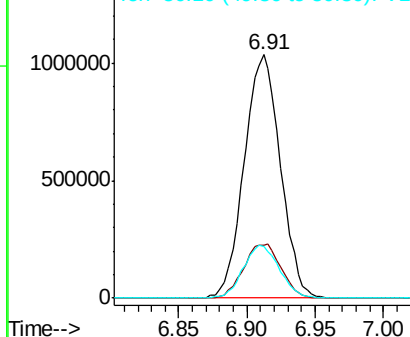
78 100

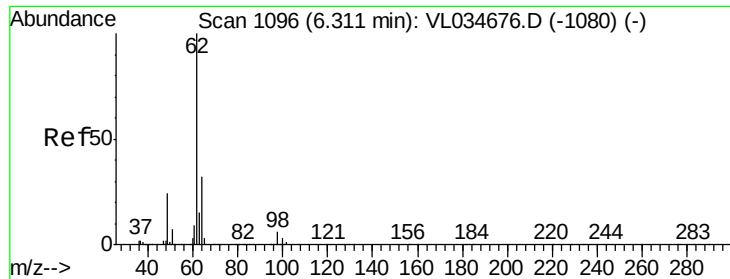
77 21.8 19.5 29.3

50 21.2 14.6 21.8



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

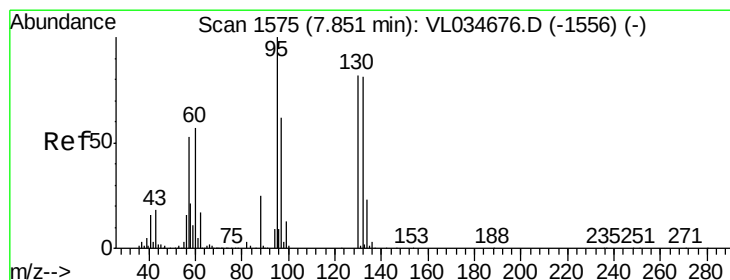
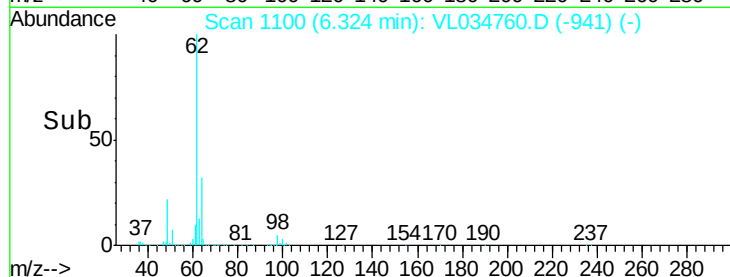
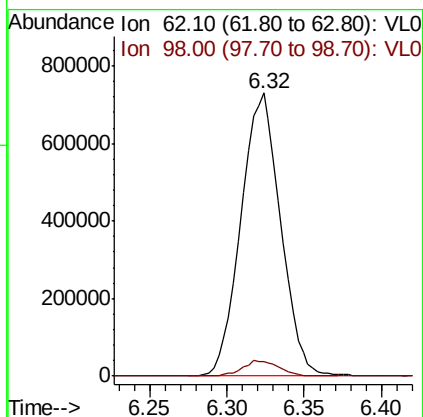
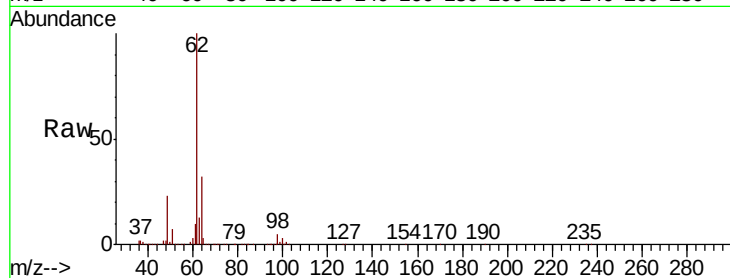




#37
 1,2-Dichloroethane
 Concen: 9.833 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

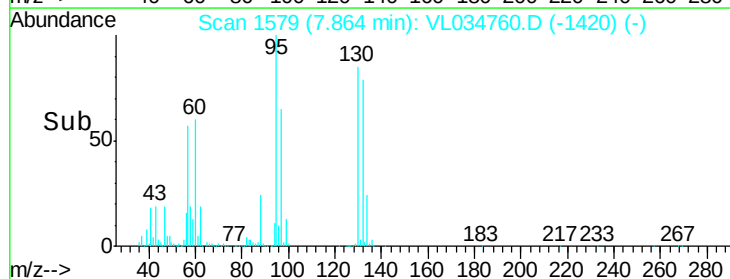
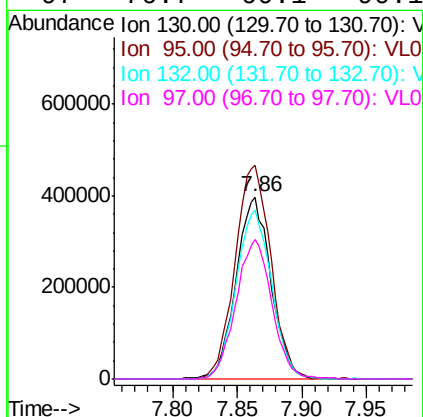
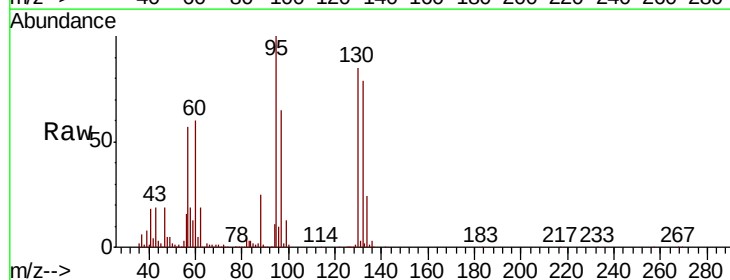
Instrument :
 MSVOA_L
 ClientSampleId :

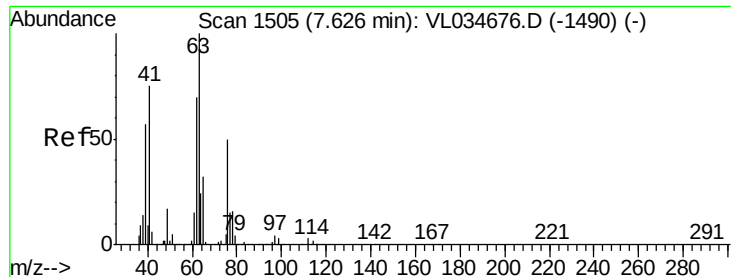
Tot Ion: 62 Resp: 1301231
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.7 7.1



#38
 Trichloroethene
 Concen: 9.173 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion: 130 Resp: 742269
 Ion Ratio Lower Upper
 130 100
 95 117.6 97.1 145.7
 132 92.7 78.3 117.5
 97 76.7 60.1 90.1





#39

1,2-Dichloropropane

Concen: 9.223 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampled :

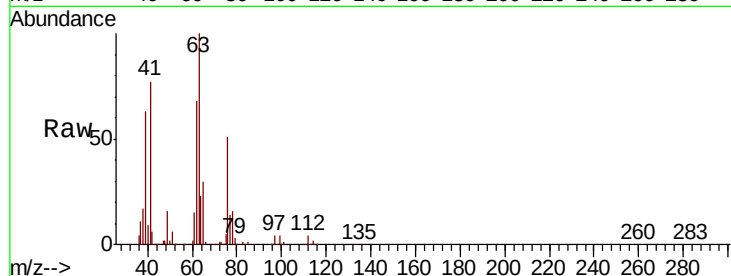
Tot Ion: 63 Resp: 770353

Ion Ratio Lower Upper

63 100

41 77.2 60.2 90.4

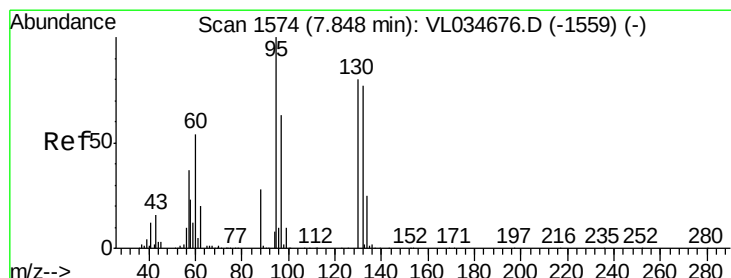
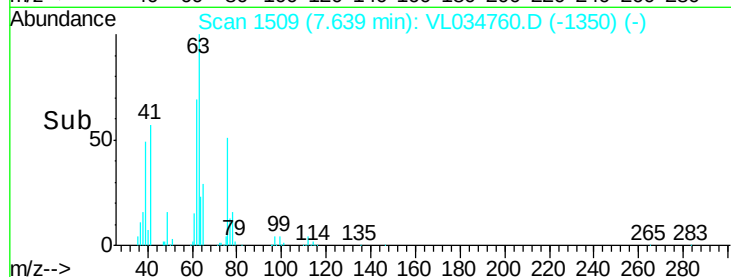
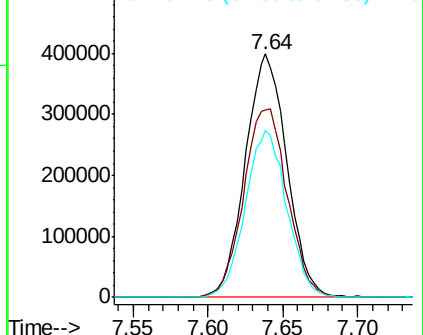
62 68.3 56.3 84.5



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: 9.948 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Tgt Ion: 88 Resp: 282569

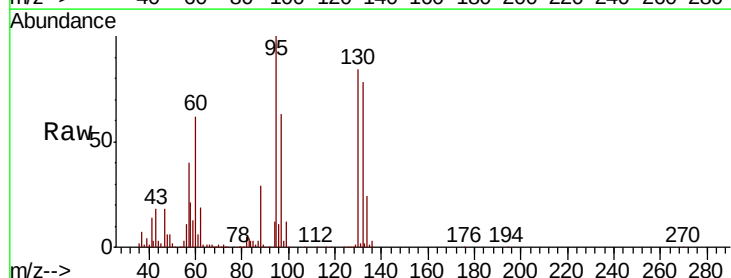
Ion Ratio Lower Upper

88 100

58 139.2 104.6 156.8

43 278.9 212.9 319.3

57 1191.8 935.2 1402.8

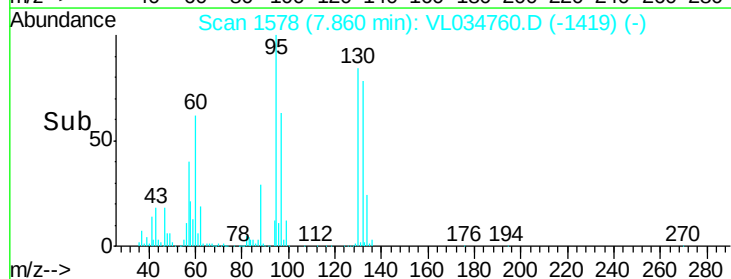
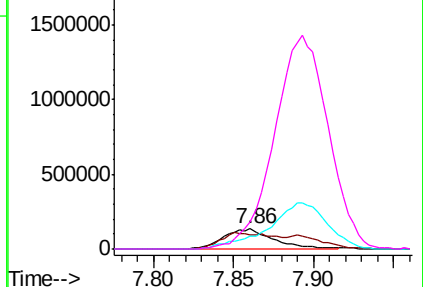


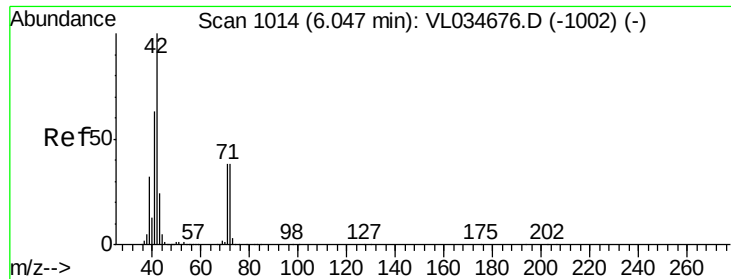
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

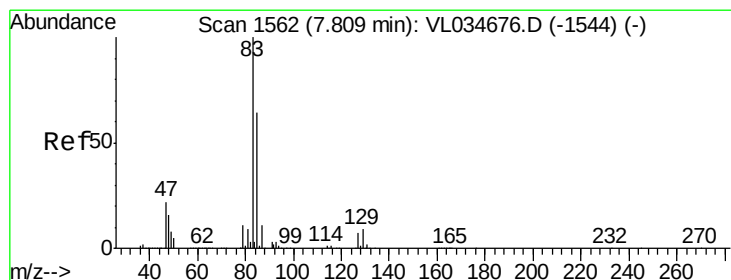
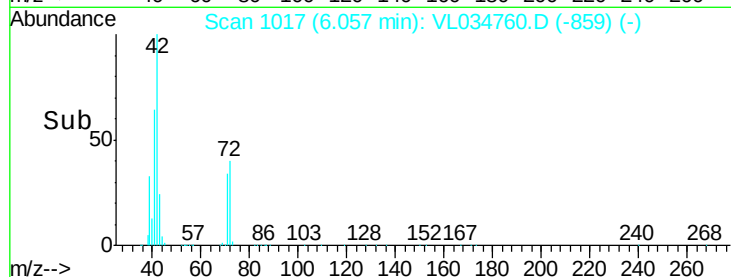
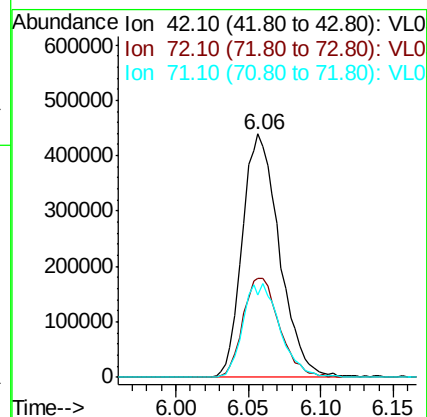
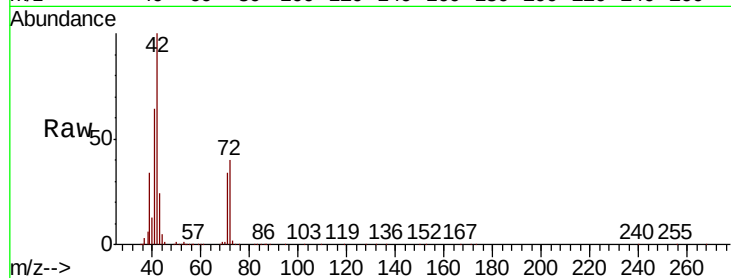




#41
Tetrahydrofuran
Concen: 9.673 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

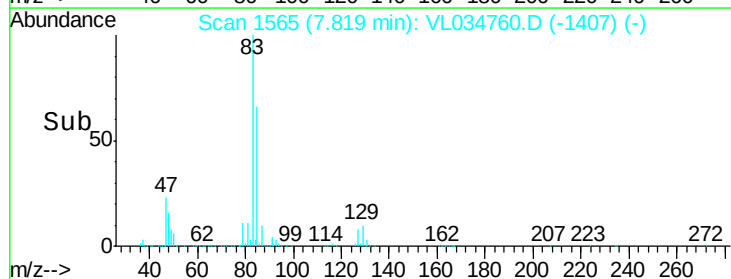
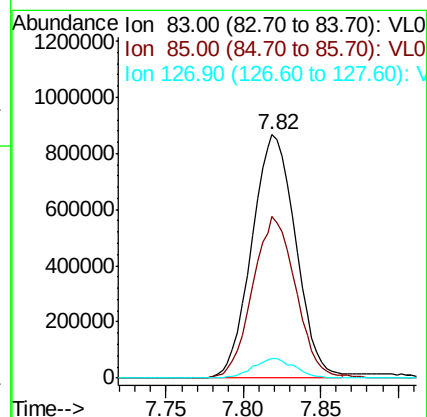
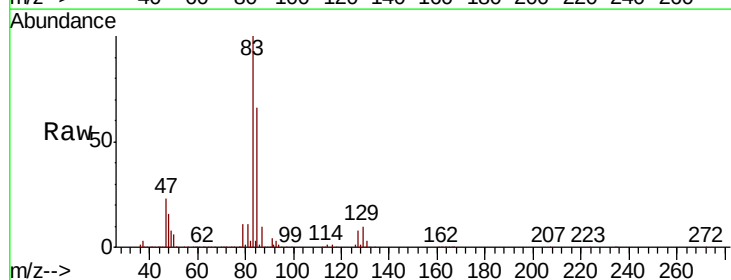
Instrument :
MSVOA_L
ClientSampleId :

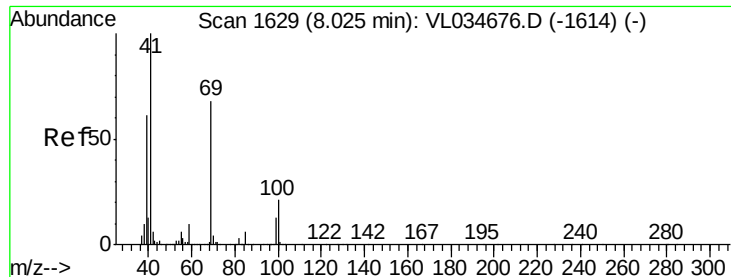
Tot Ion: 42 Resp: 781133
Ion Ratio Lower Upper
42 100
72 40.2 31.7 47.5
71 38.3 30.7 46.1



#42
Bromodichloromethane
Concen: 9.899 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion: 83 Resp: 1715079
Ion Ratio Lower Upper
83 100
85 66.3 51.1 76.7
127 8.2 5.8 8.8

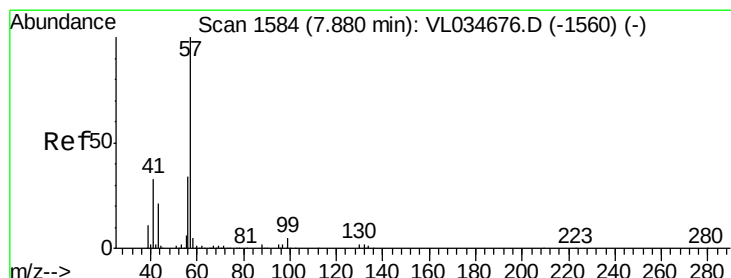
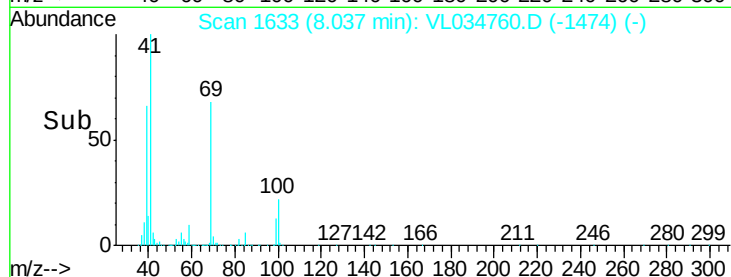
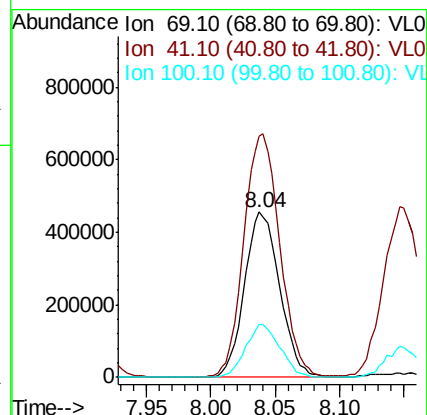
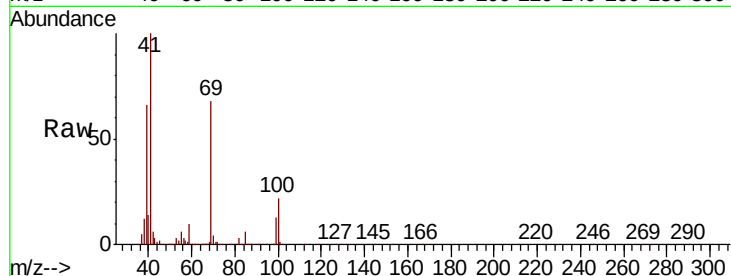




#43
Methyl Methacrylate
Concen: 9.818 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

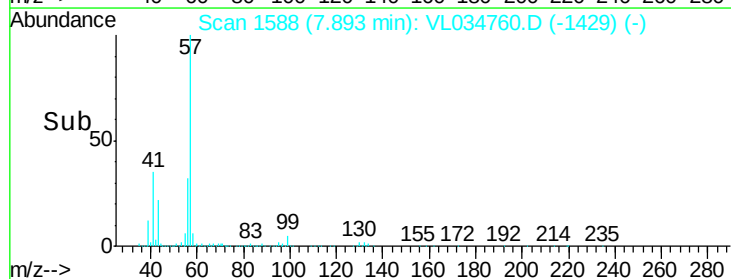
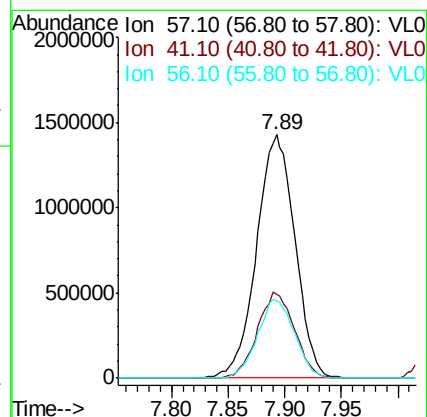
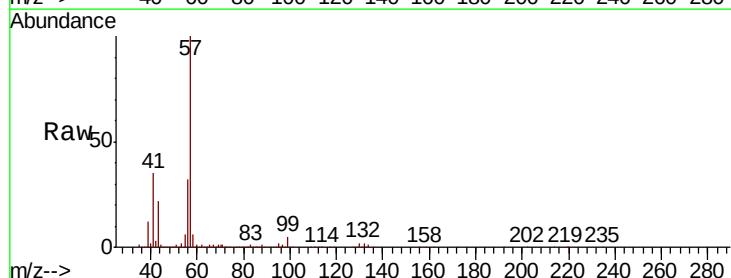
Instrument :
MSVOA_L
ClientSampled :

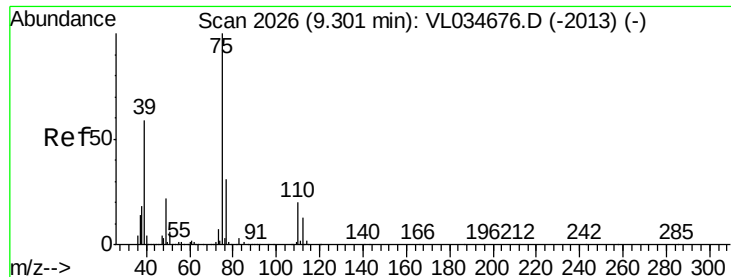
Tot Ion: 69 Resp: 866913
Ion Ratio Lower Upper
69 100
41 151.0 118.2 177.2
100 31.2 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 9.162 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion: 57 Resp: 3361725
Ion Ratio Lower Upper
57 100
41 34.4 26.0 39.0
56 31.4 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 11.154 ppbv

RT: 9.31 min Scan# 2030

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

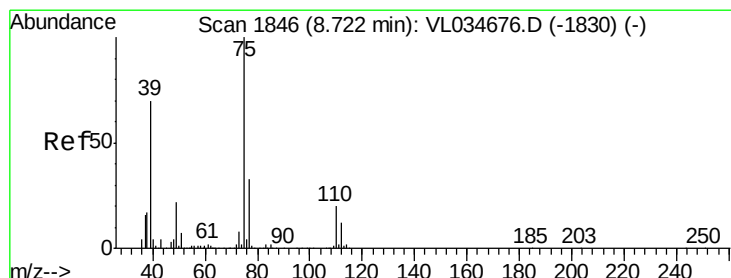
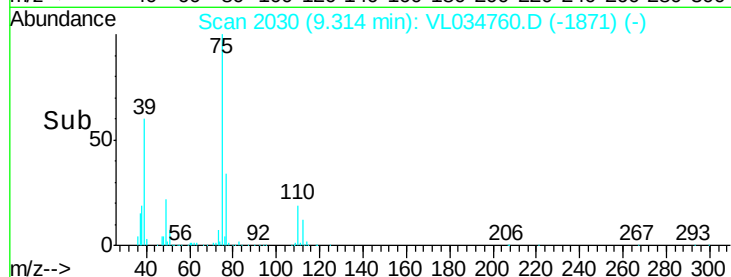
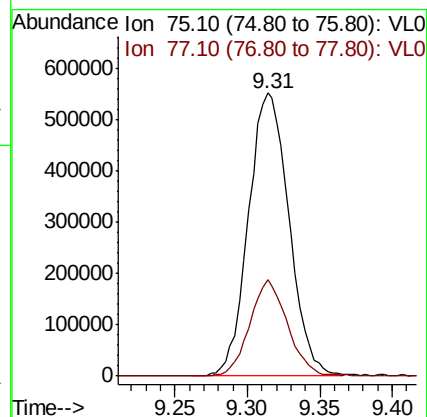
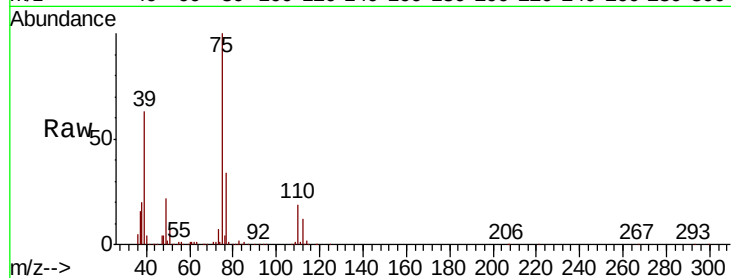
ClientSampleId :

Tot Ion: 75 Resp: 1074768

Ion Ratio Lower Upper

75 100

77 34.0 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 10.770 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

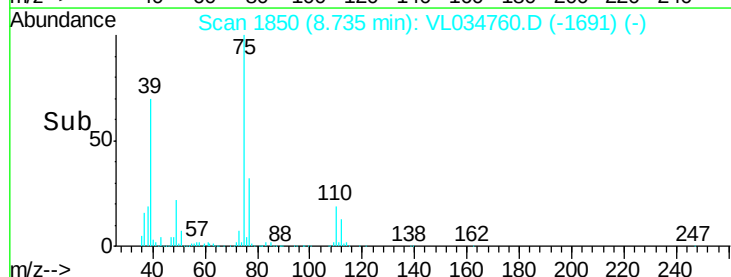
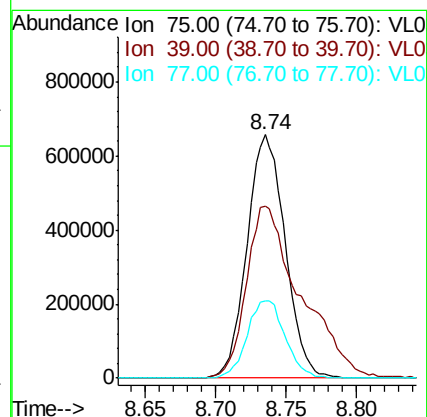
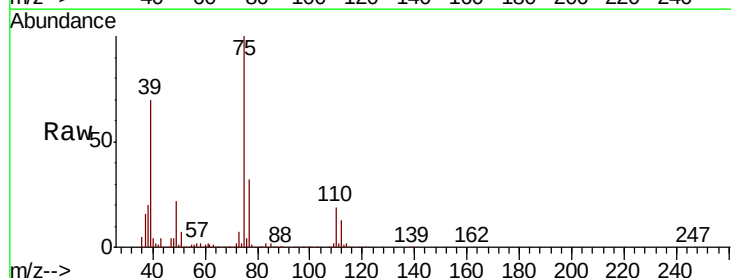
Tgt Ion: 75 Resp: 1244598

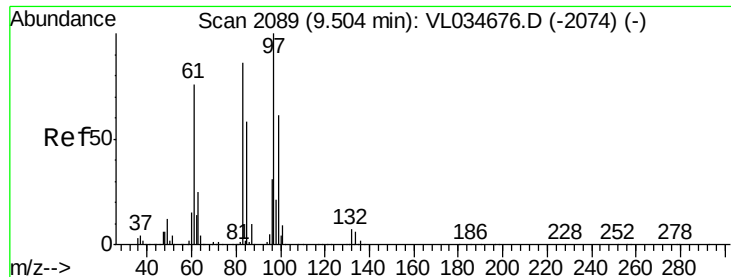
Ion Ratio Lower Upper

75 100

39 70.4 55.7 83.5

77 31.9 26.3 39.5

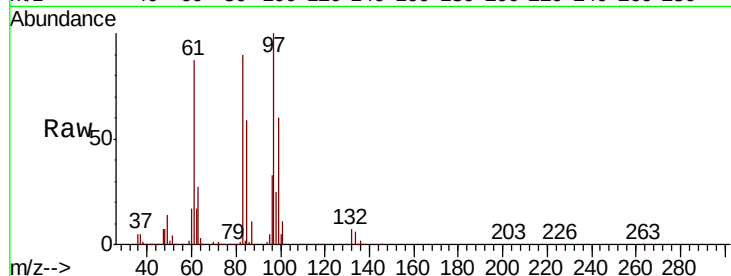




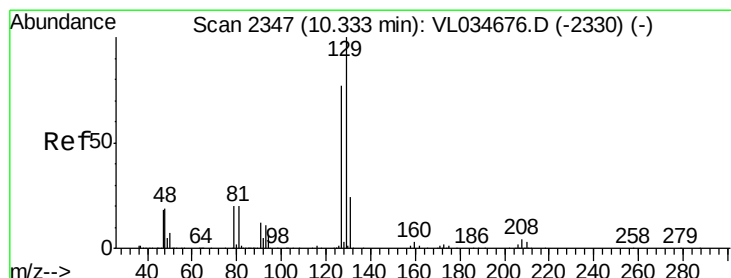
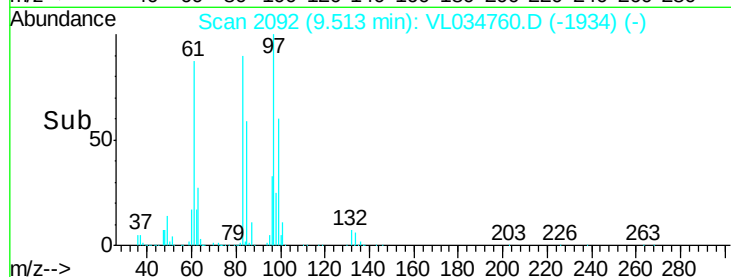
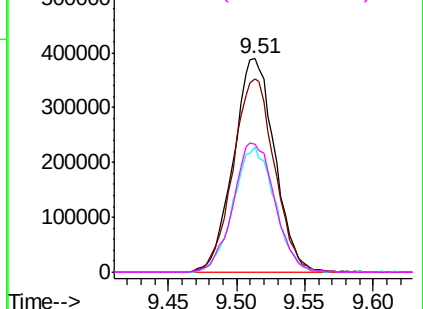
#47
 1,1,2-Trichloroethane
 Concen: 9.508 ppbv
 RT: 9.51 min Scan# 2092
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 814697
 Ion Ratio Lower Upper
 97 100
 83 90.3 69.4 104.0
 85 58.5 46.4 69.6
 99 59.9 48.4 72.6

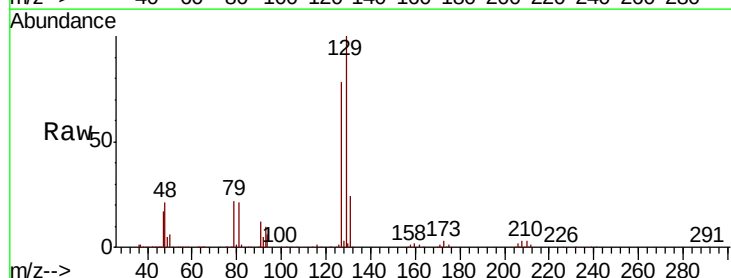


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

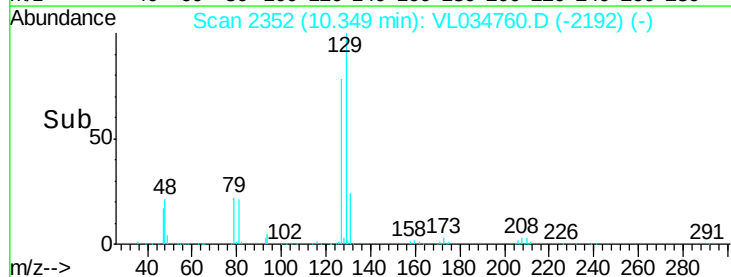
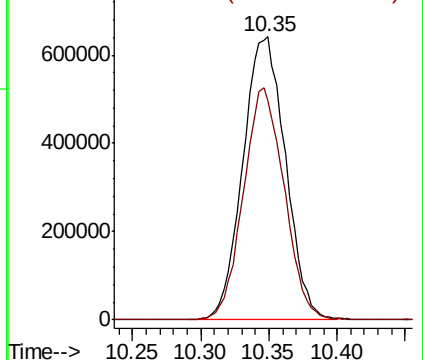


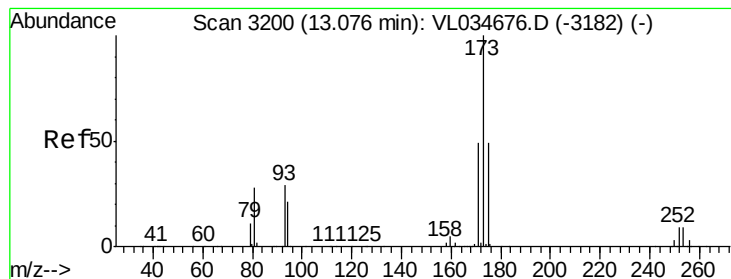
#48
 Dibromochloromethane
 Concen: 10.456 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. 0.02 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion: 129 Resp: 1393144
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.3 117.8



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





#49

Bromoform

Concen: 10.675 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.02 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampleId :

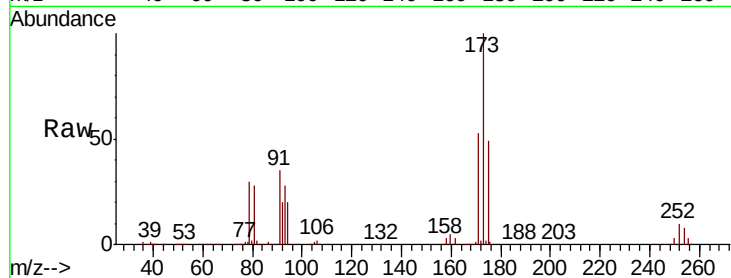
Tot Ion:173 Resp: 1233253

Ion Ratio Lower Upper

173 100

175 48.9 38.6 58.0

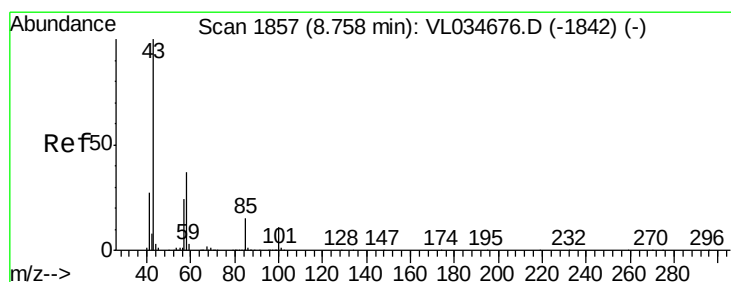
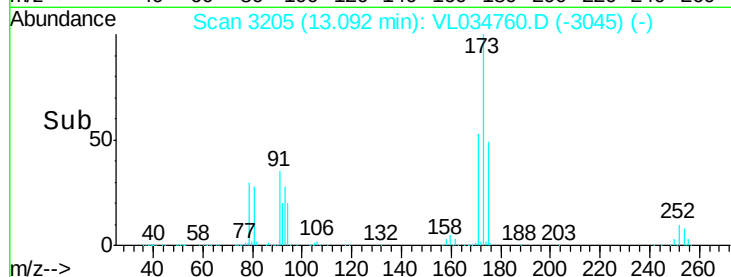
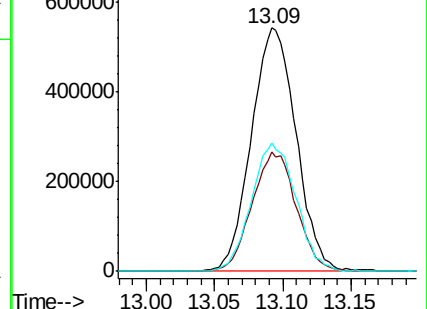
171 52.8 41.5 62.3



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: 10.121 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VL034760.D

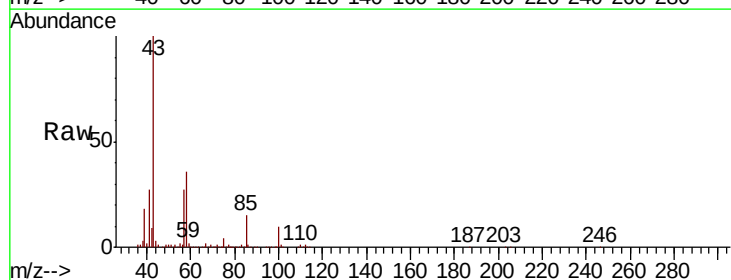
Acq: 3 Mar 2020 11:52

Tgt Ion: 43 Resp: 2193206

Ion Ratio Lower Upper

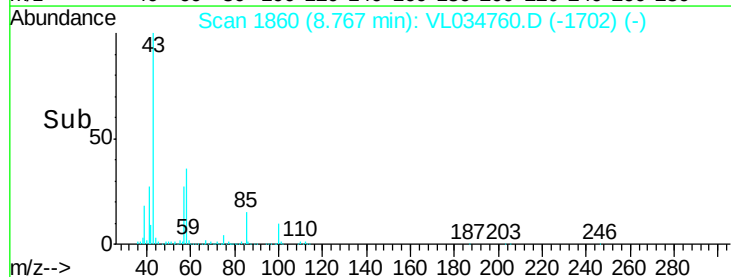
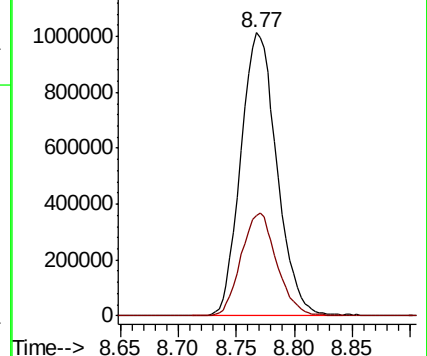
43 100

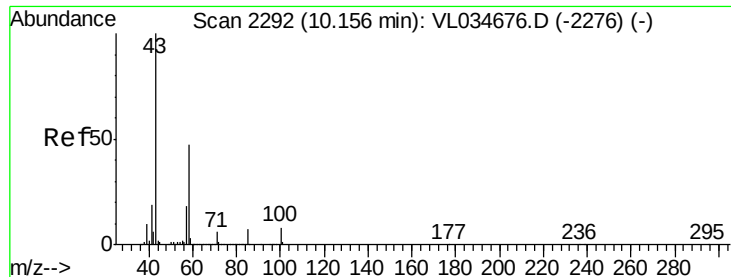
58 35.9 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

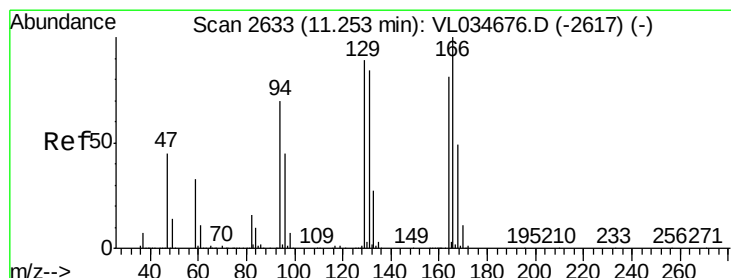
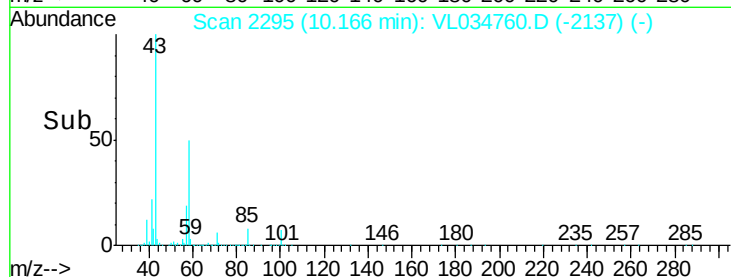
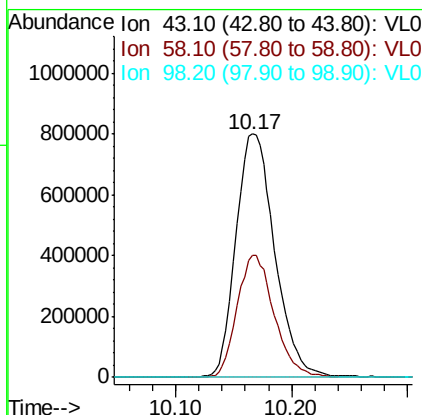
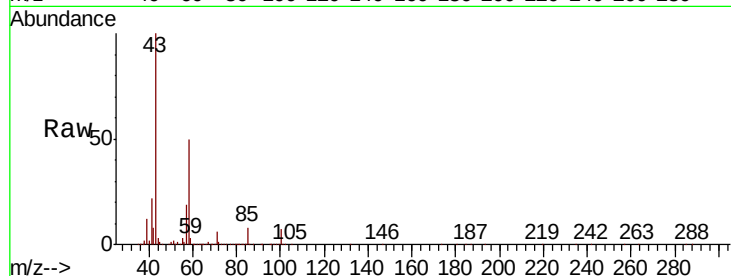




#51
2-Hexanone
Concen: 10.861 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

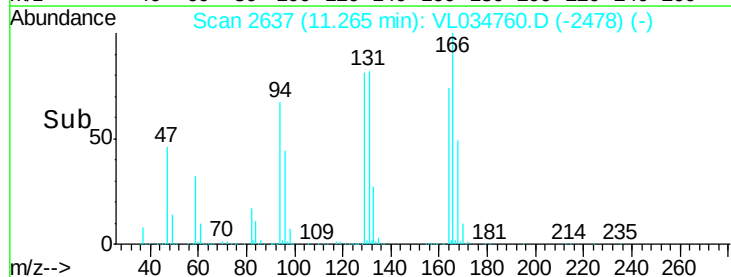
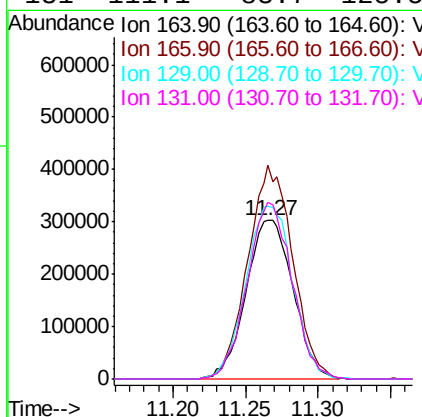
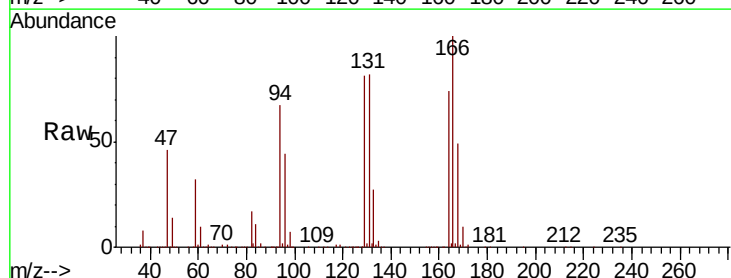
Instrument :
MSVOA_L
ClientSampleId :

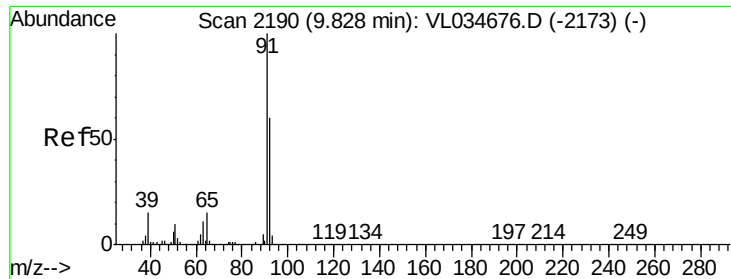
Tot Ion: 43 Resp: 1852207
Ion Ratio Lower Upper
43 100
58 48.2 39.4 59.0
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.869 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion: 164 Resp: 682504
Ion Ratio Lower Upper
164 100
166 135.0 99.2 148.8
129 109.6 88.0 132.0
131 111.1 83.7 125.5





#53

Toluene

Concen: 9.930 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

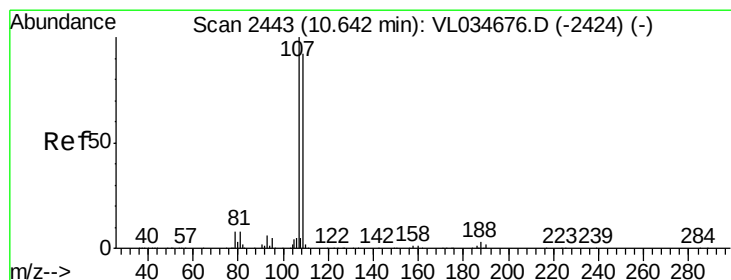
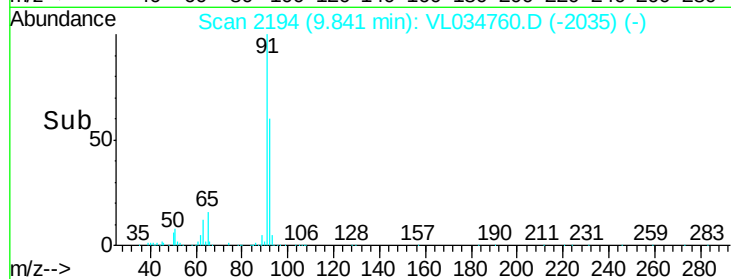
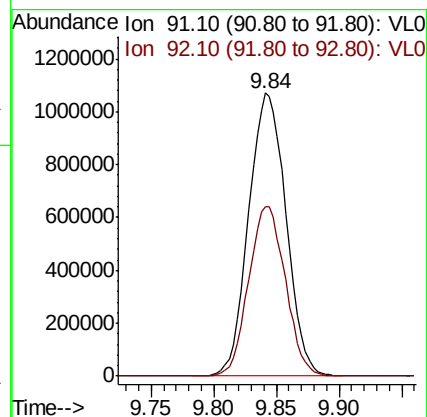
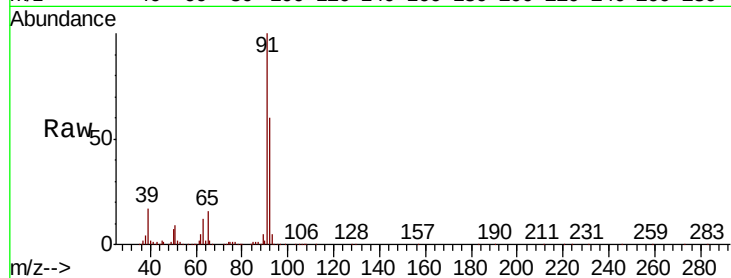
ClientSampleId :

Tot Ion: 91 Resp: 2217218

Ion Ratio Lower Upper

91 100

92 59.1 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.894 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. 0.01 min

Lab File: VL034760.D

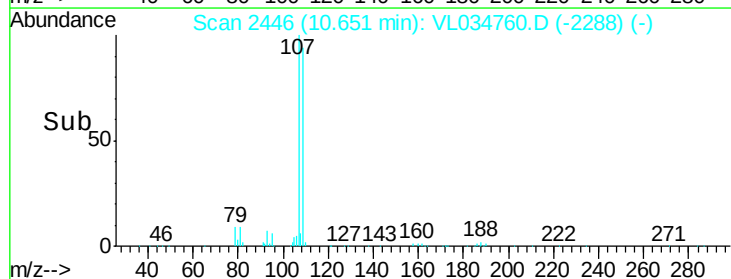
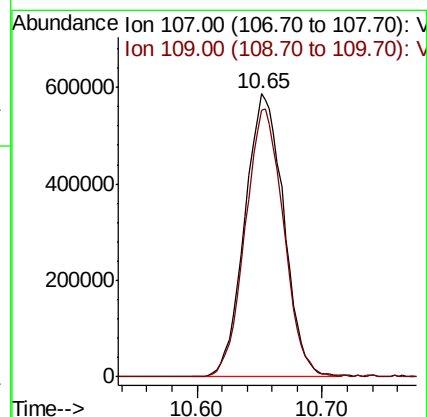
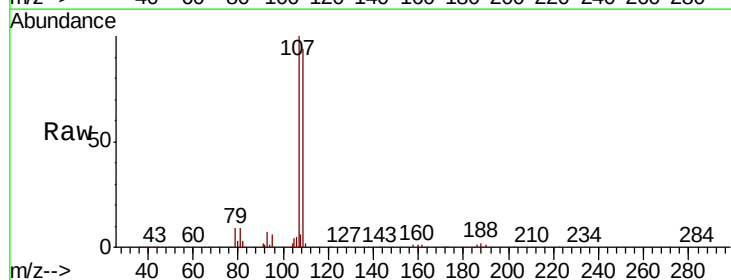
Acq: 3 Mar 2020 11:52

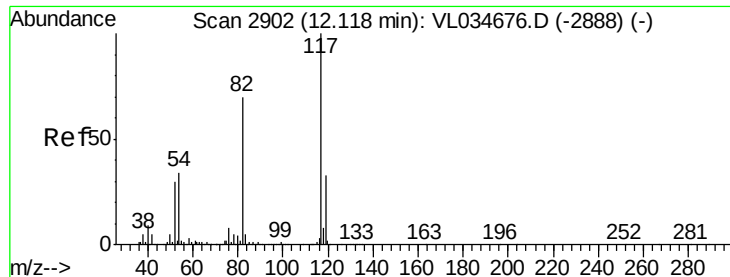
Tgt Ion: 107 Resp: 1264830

Ion Ratio Lower Upper

107 100

109 94.2 73.9 110.9

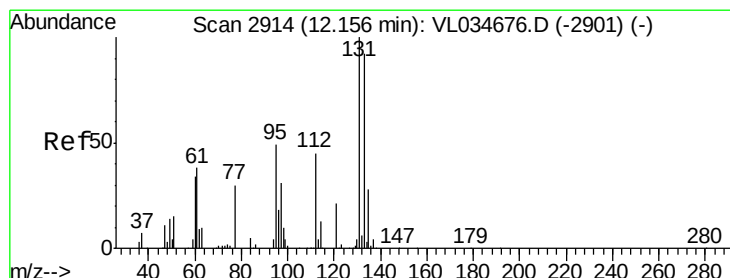
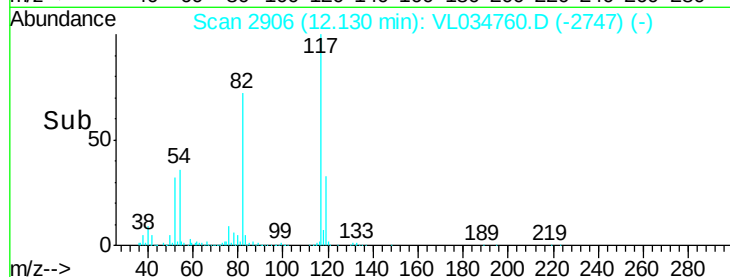
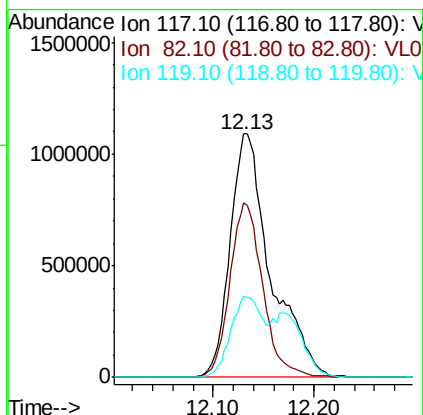
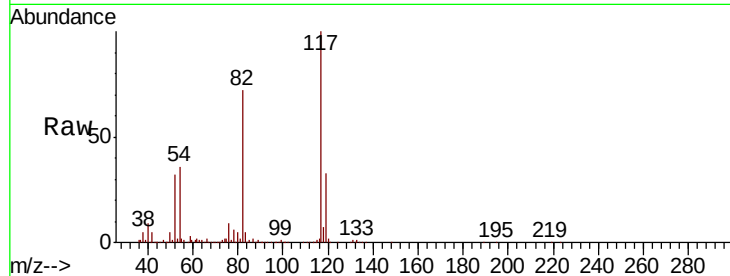




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

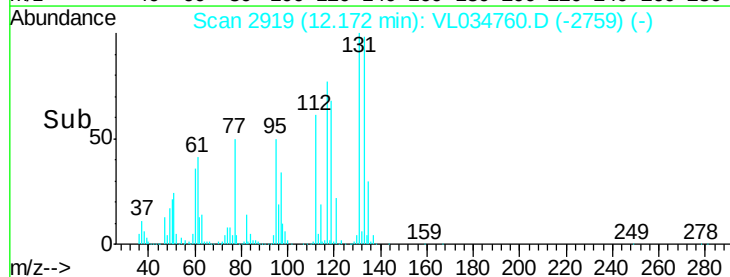
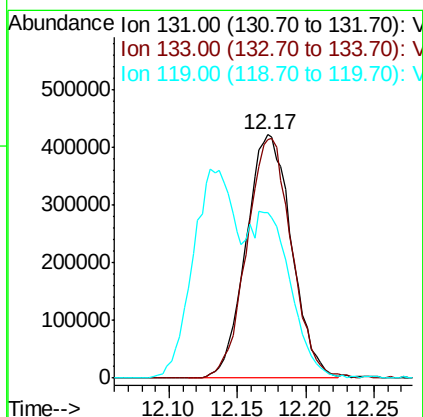
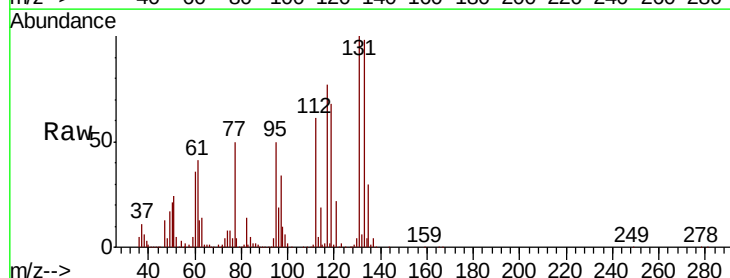
Instrument :
MSVOA_L
ClientSampled :

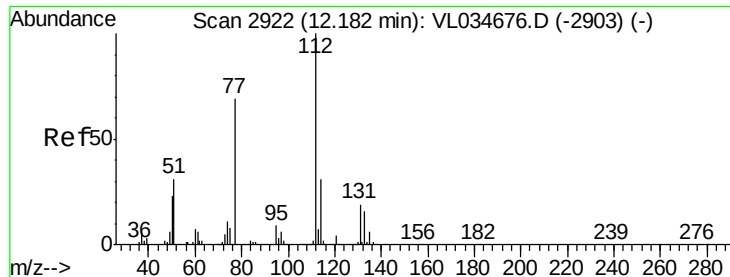
Tot Ion:117 Resp: 3050156
Ion Ratio Lower Upper
117 100
82 58.5 54.1 81.1
119 46.5 27.6 41.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.510 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.02 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion:131 Resp: 975536
Ion Ratio Lower Upper
131 100
133 97.3 76.6 114.8
119 145.5 51.3 76.9#





#57

Chlorobenzene

Concen: 7.528 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampleId :

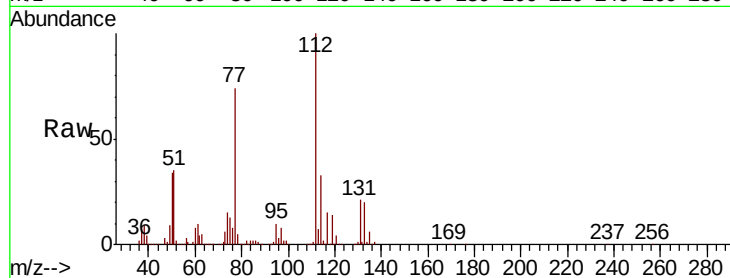
Tot Ion:112 Resp: 1697128

Ion Ratio Lower Upper

112 100

77 73.3 56.5 84.7

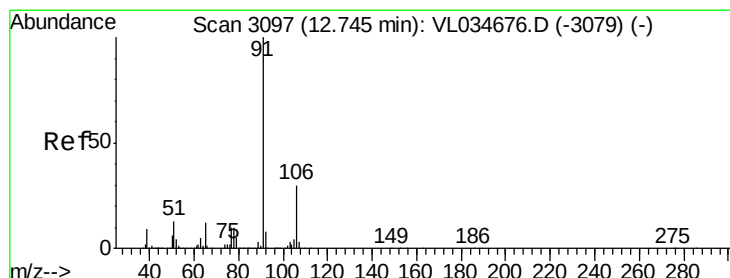
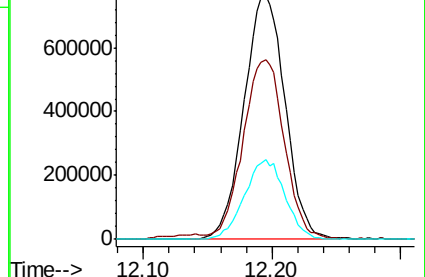
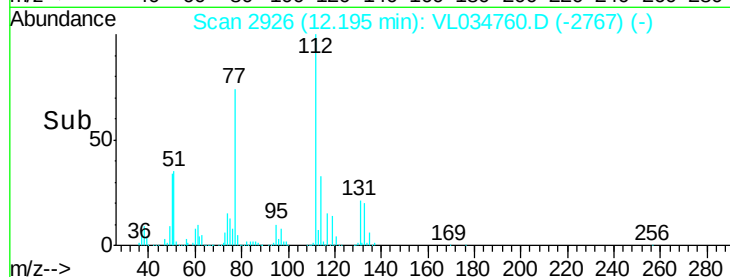
114 32.4 28.1 34.3



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: 8.133 ppbv

RT: 12.76 min Scan# 3101

Delta R.T. 0.01 min

Lab File: VL034760.D

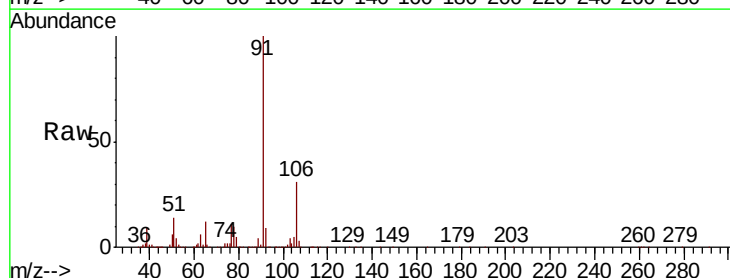
Acq: 3 Mar 2020 11:52

Tgt Ion: 91 Resp: 3001443

Ion Ratio Lower Upper

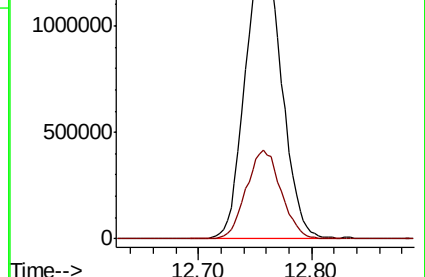
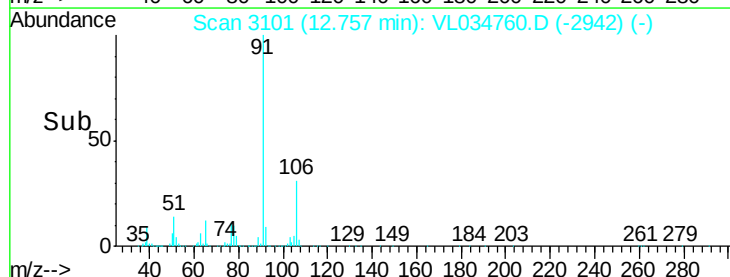
91 100

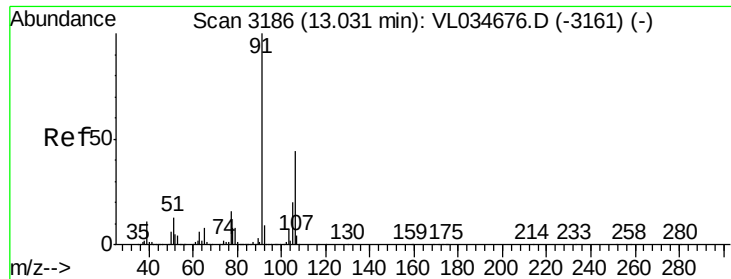
106 31.5 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.493 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

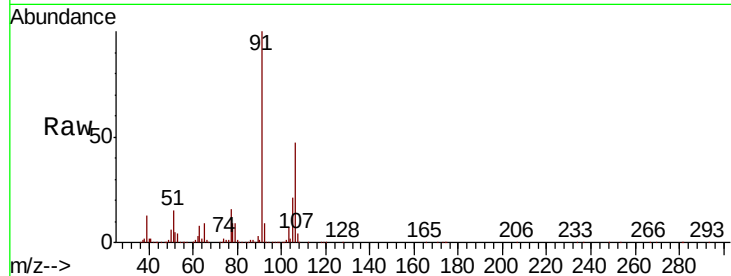
ClientSampleId :

Tot Ion: 91 Resp: 2411623

Ion Ratio Lower Upper

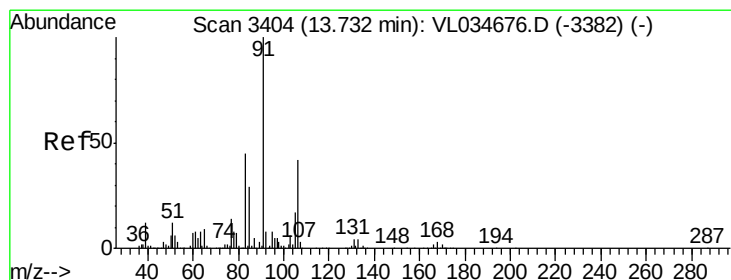
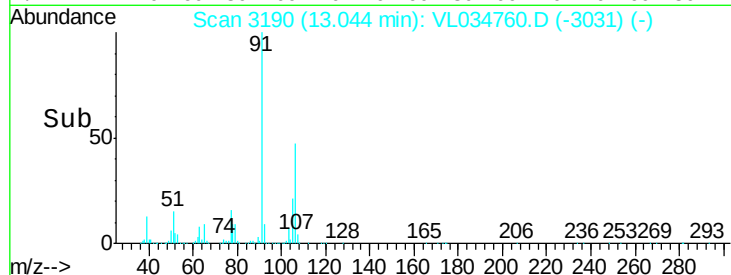
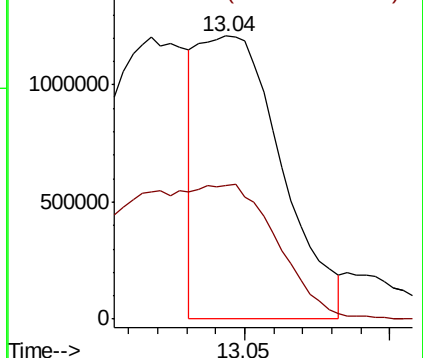
91 100

106 93.7 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: 7.815 ppbv

RT: 13.74 min Scan# 3407

Delta R.T. 0.01 min

Lab File: VL034760.D

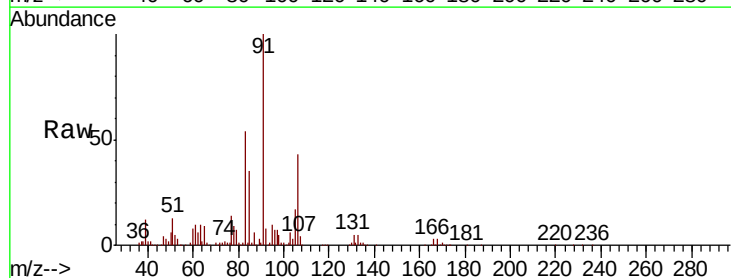
Acq: 3 Mar 2020 11:52

Tgt Ion: 91 Resp: 2495971

Ion Ratio Lower Upper

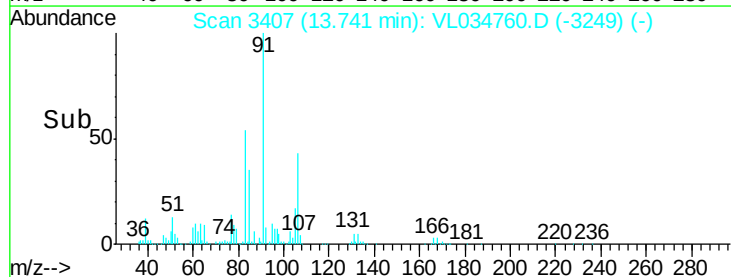
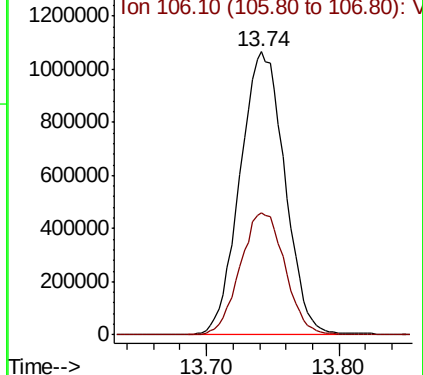
91 100

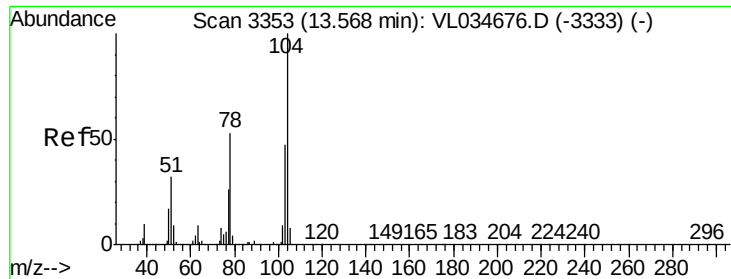
106 43.3 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

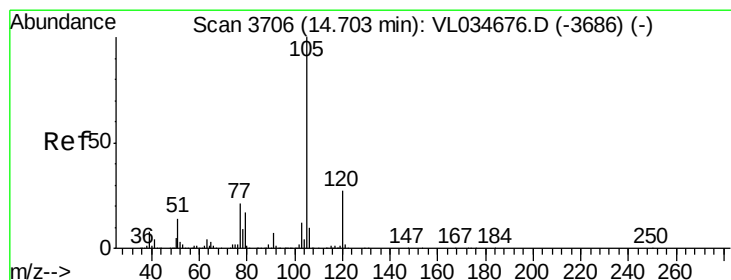
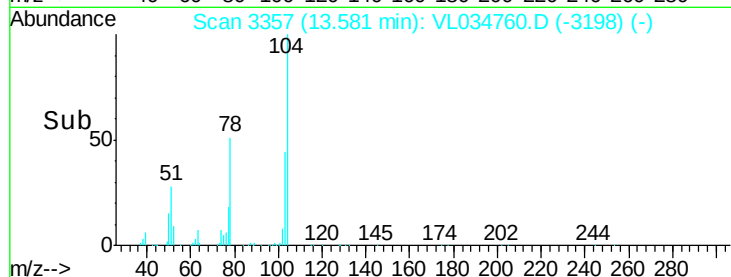
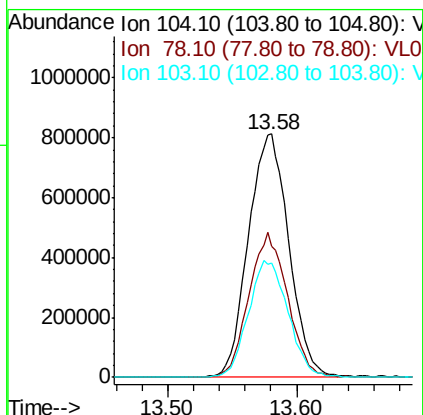
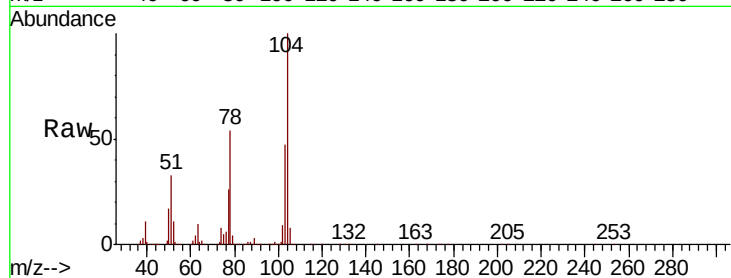




#61
Stvrene
Concen: 8.638 ppbv
RT: 13.58 min Scan# 3357
Delta R.T. 0.01 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

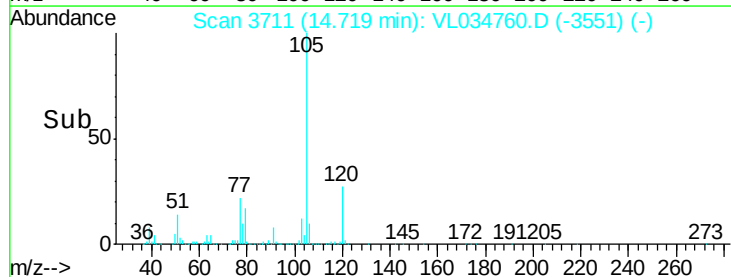
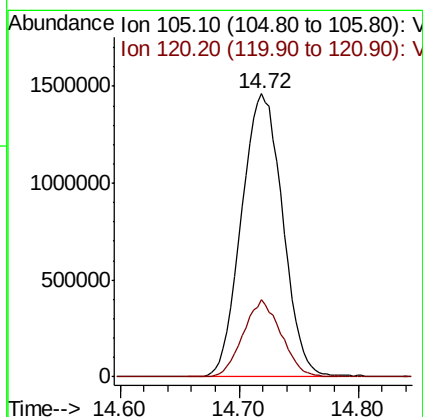
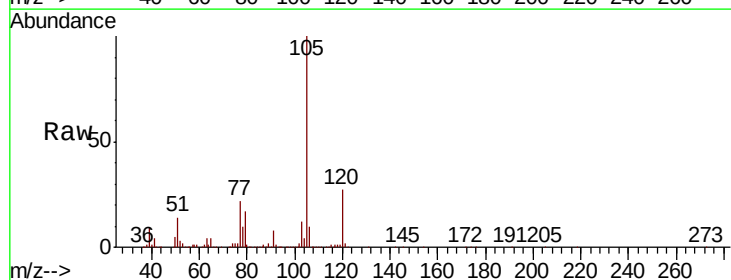
Instrument :
MSVOA_L
ClientSampleId :

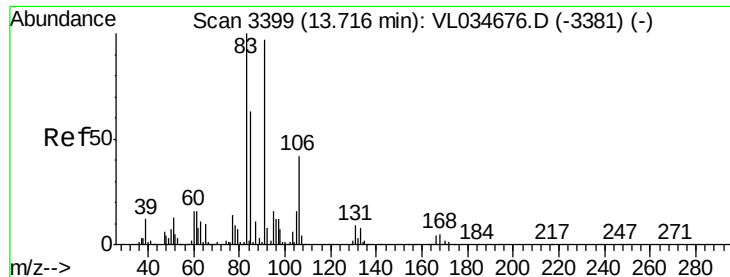
Tot Ion:104 Resp: 1772227
Ion Ratio Lower Upper
104 100
78 57.1 44.2 66.4
103 47.6 37.4 56.0



#62
Isopropylbenzene
Concen: 7.523 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. 0.02 min
Lab File: VL034760.D
Acq: 3 Mar 2020 11:52

Tgt Ion:105 Resp: 3504919
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 7.268 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. 0.02 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampleId :

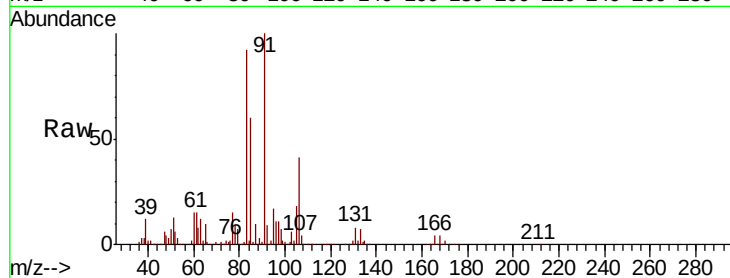
Tot Ion: 83 Resp: 1809194

Ion Ratio Lower Upper

83 100

131 9.1 4.4 13.2

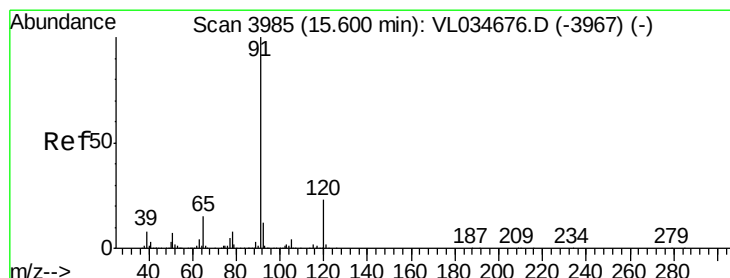
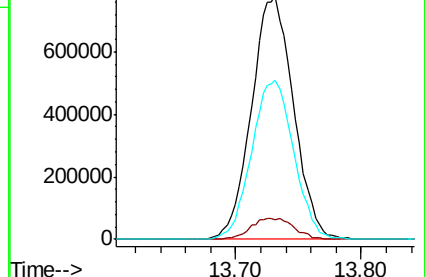
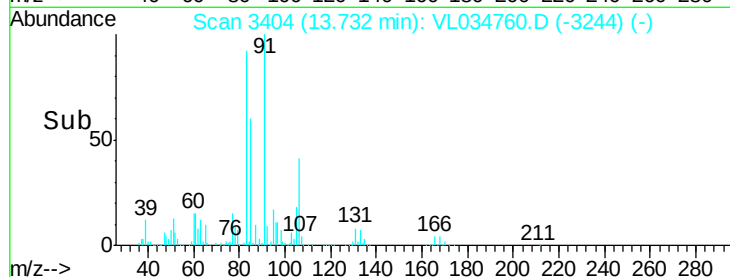
85 65.8 32.5 97.5



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: 7.550 ppbv

RT: 15.61 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VL034760.D

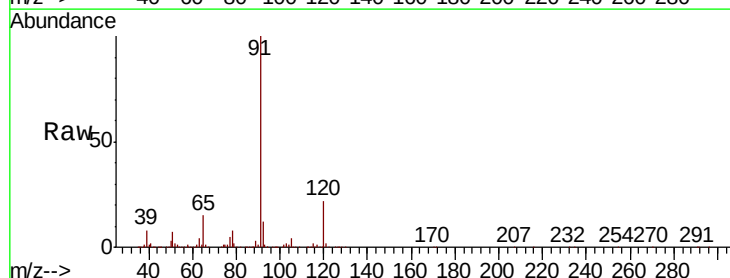
Acq: 3 Mar 2020 11:52

Tgt Ion:120 Resp: 906808

Ion Ratio Lower Upper

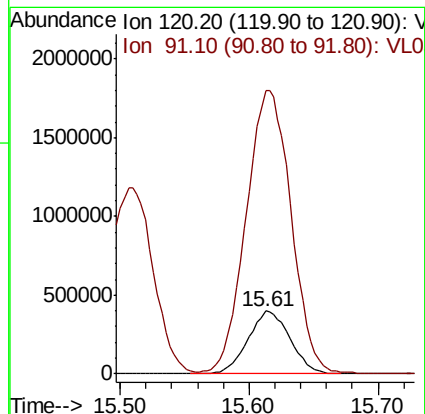
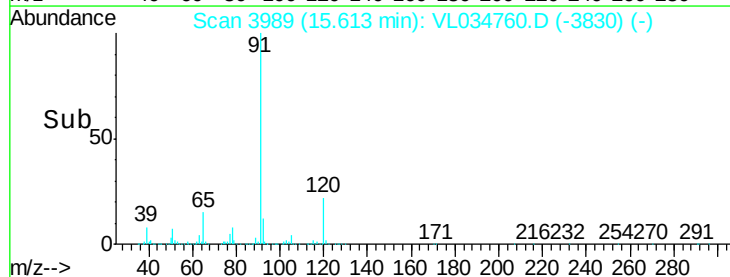
120 100

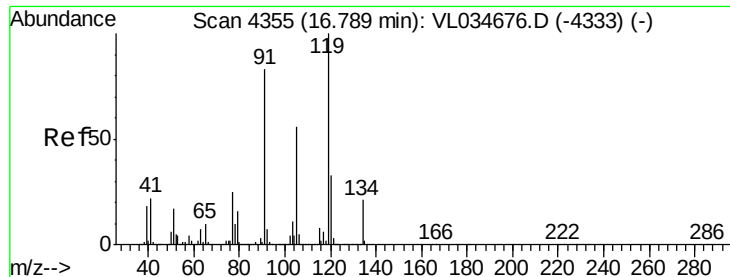
91 483.7 369.8 554.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.634 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

ClientSampleId :

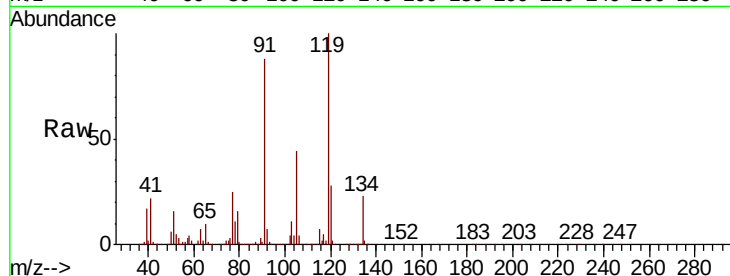
Tot Ion:119 Resp: 3071188

Ion Ratio Lower Upper

119 100

91 88.5 69.1 103.7

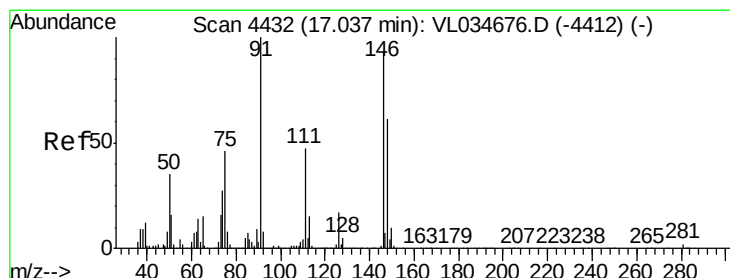
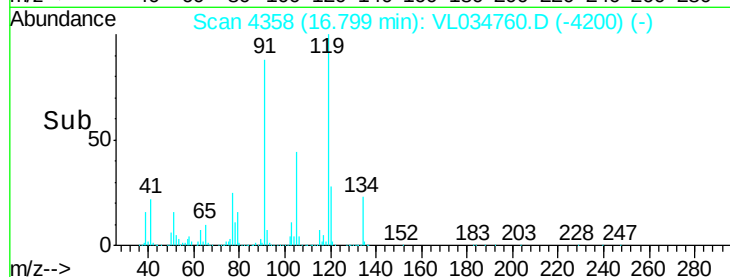
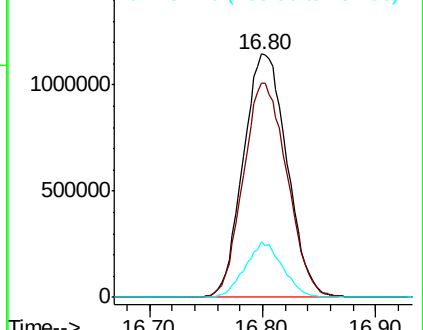
134 19.5 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.145 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

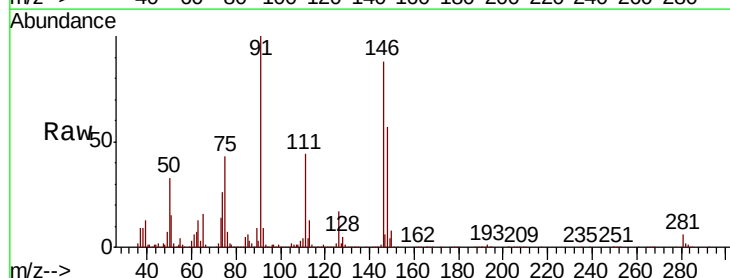
Tgt Ion: 91 Resp: 1522532

Ion Ratio Lower Upper

91 100

126 15.9 13.5 20.3

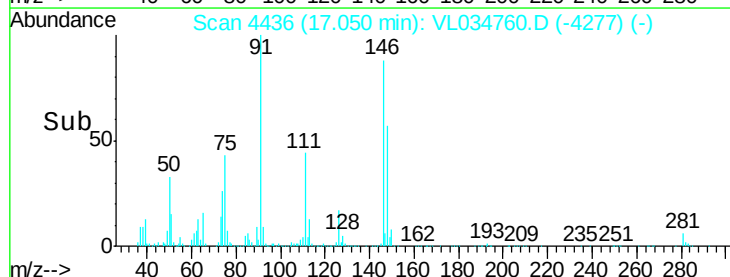
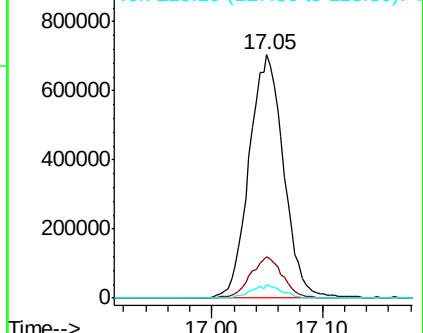
128 5.0 4.2 6.4

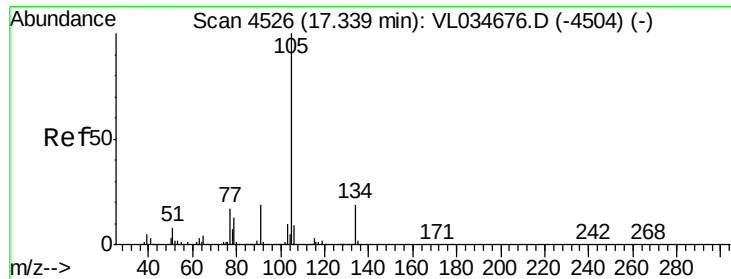


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.534 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

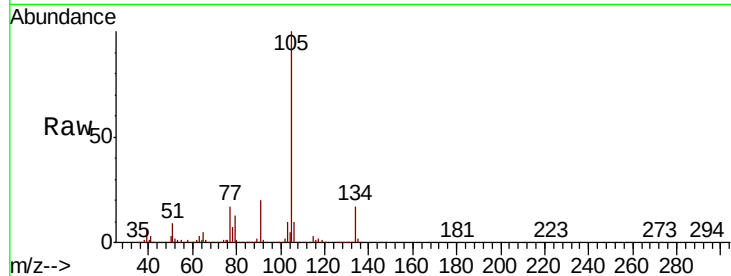
ClientSampleId :

Tot Ion: 105 Resp: 4361762

Ion Ratio Lower Upper

105 100

134 18.1 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

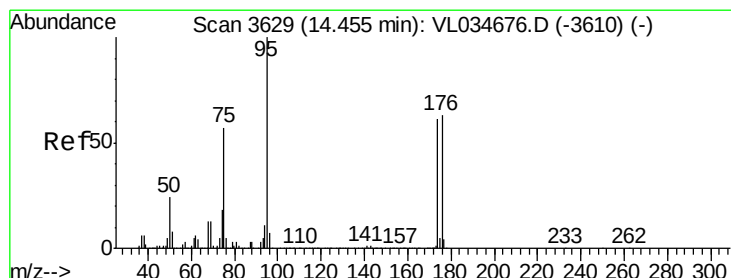
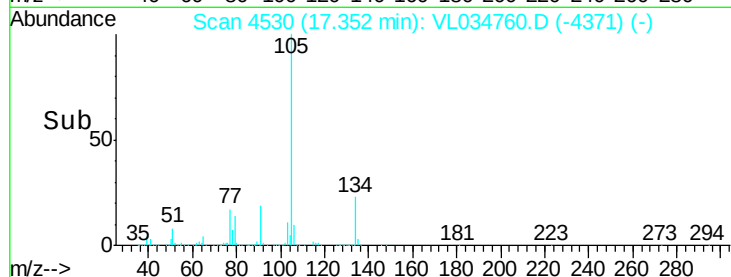
1000000

500000

0

17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.438 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. 0.02 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

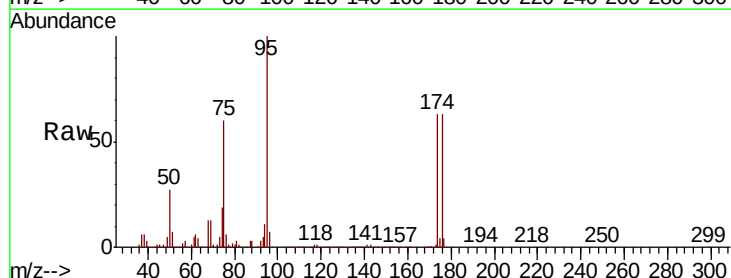
Tgt Ion: 95 Resp: 2110292

Ion Ratio Lower Upper

95 100

174 63.0 50.7 76.1

175 4.5 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

1200000

1000000

800000

600000

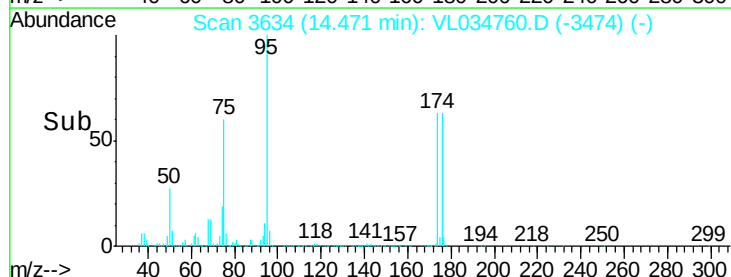
400000

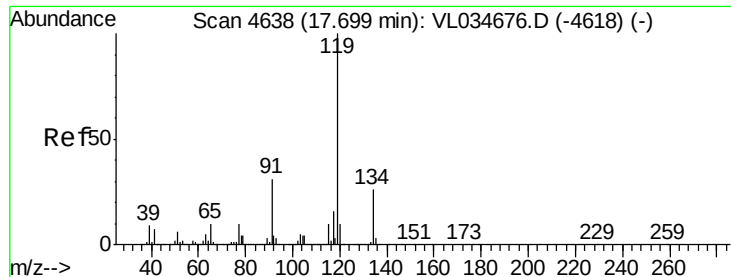
200000

0

14.40 14.50

Time-->

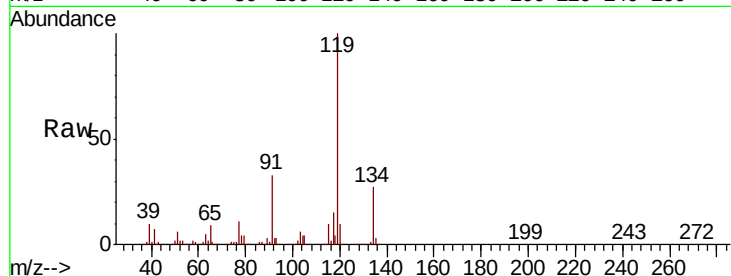




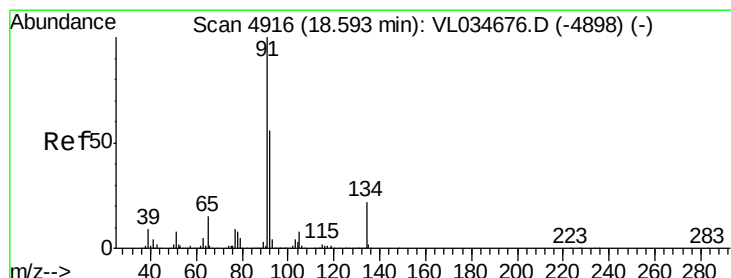
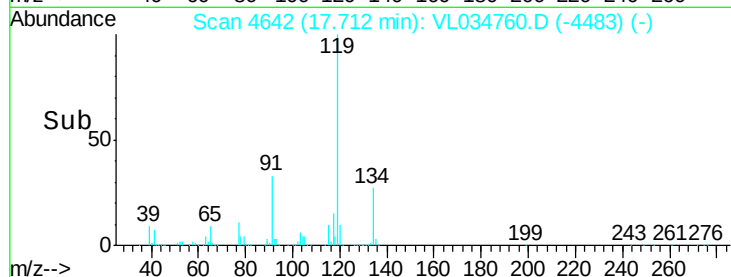
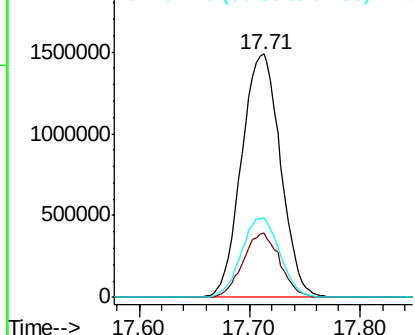
#69
 p-Isopropyltoluene
 Concen: 7.633 ppbv
 RT: 17.71 min Scan# 4642
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3637598
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.6 31.0
 91 32.5 25.3 37.9

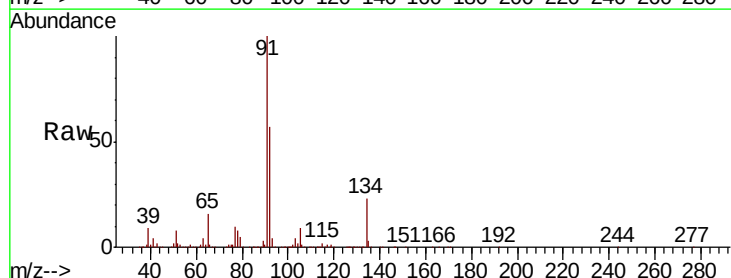


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

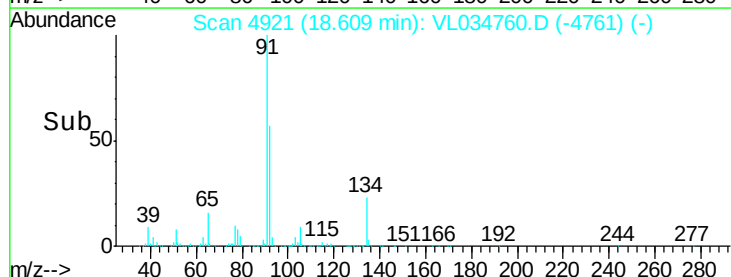
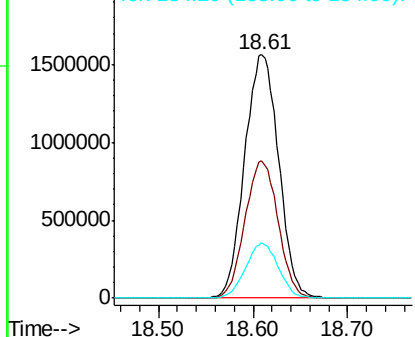


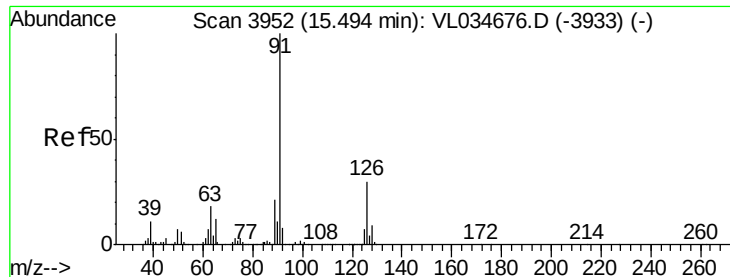
#70
 n-Butylbenzene
 Concen: 7.527 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. 0.02 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion: 91 Resp: 3906065
 Ion Ratio Lower Upper
 91 100
 92 54.9 43.8 65.6
 134 21.7 17.6 26.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.734 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

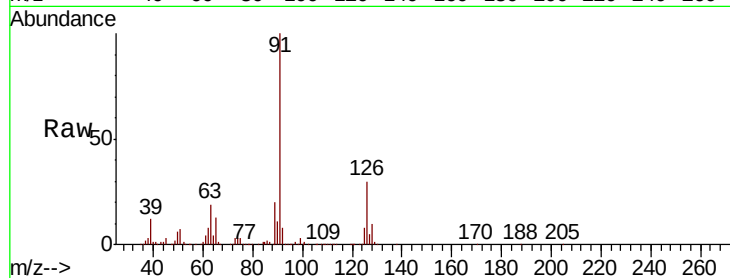
ClientSampleId :

Tot Ion: 91 Resp: 2790797

Ion Ratio Lower Upper

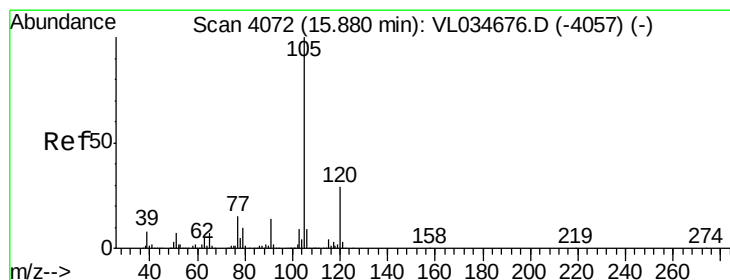
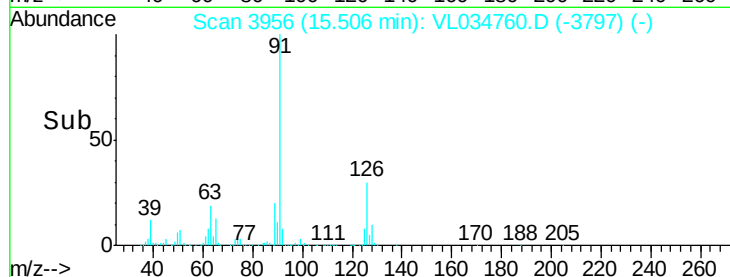
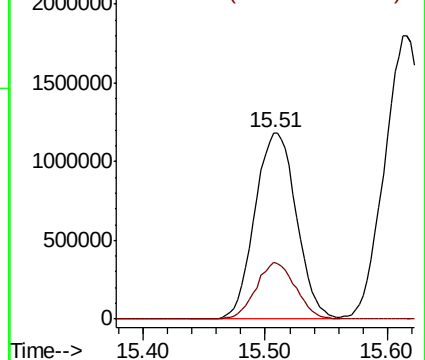
91 100

126 29.0 11.8 47.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.233 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. 0.02 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Tgt Ion:105 Resp: 2926899

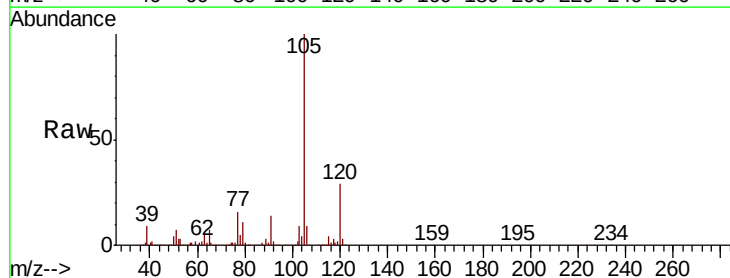
Ion Ratio Lower Upper

105 100

120 28.8 23.7 35.5

91 14.7 10.9 16.3

77 15.2 12.2 18.2

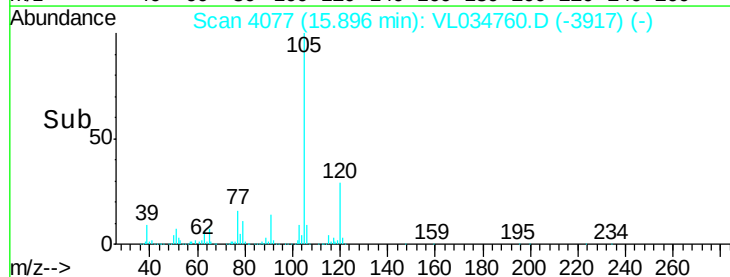
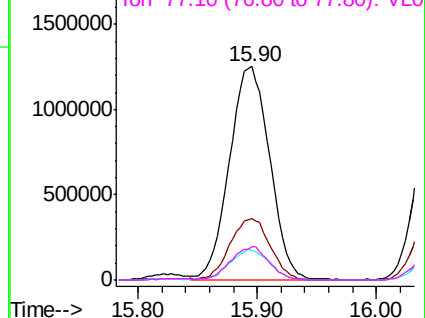


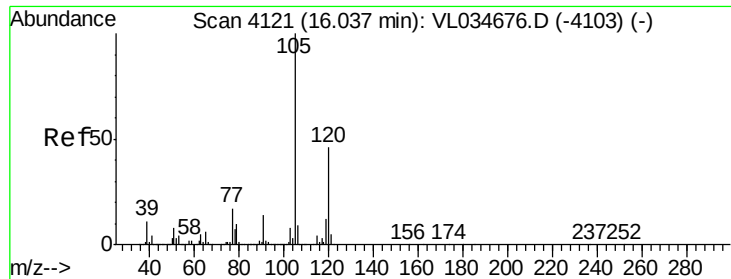
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.995 ppbv

RT: 16.05 min Scan# 4126

Delta R.T. 0.02 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Instrument :

MSVOA_L

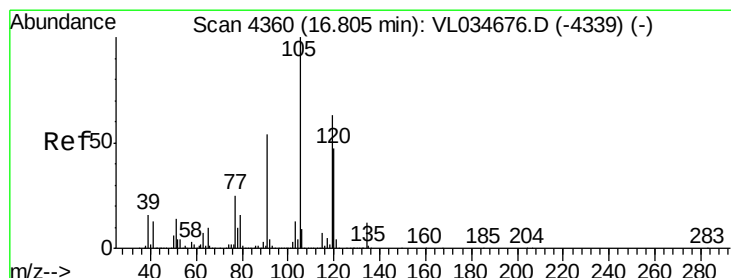
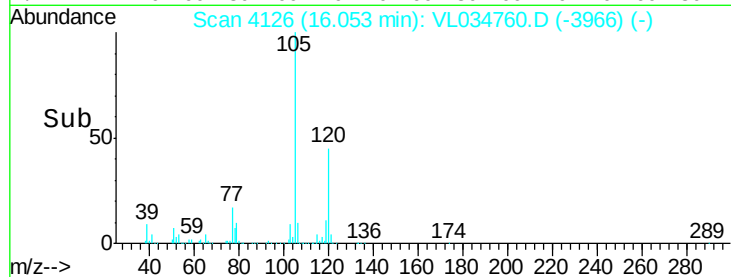
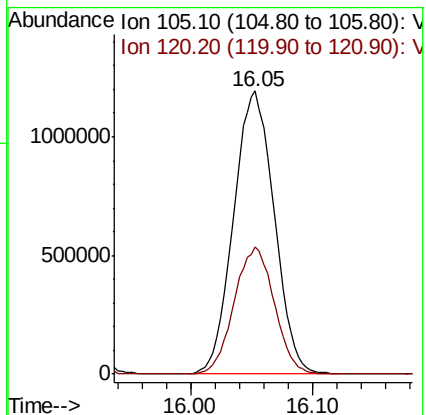
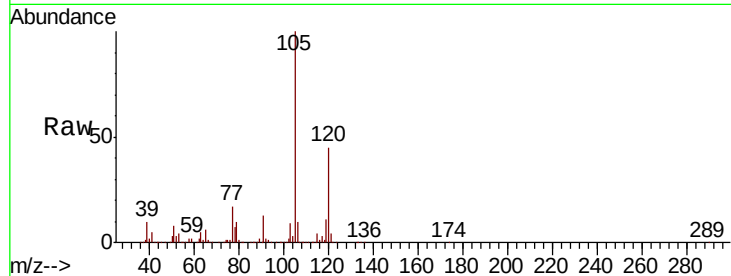
ClientSampleId :

Tot Ion:105 Resp: 2734168

Ion Ratio Lower Upper

105 100

120 45.0 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 7.547 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.02 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Tgt Ion:105 Resp: 2850351

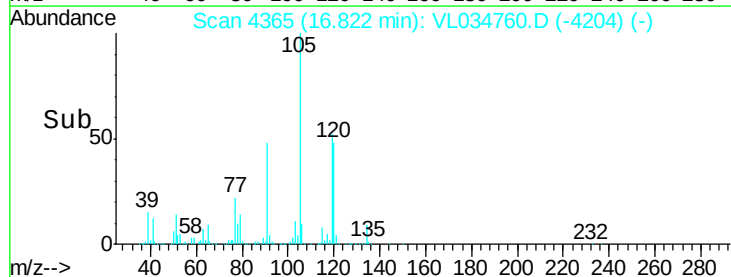
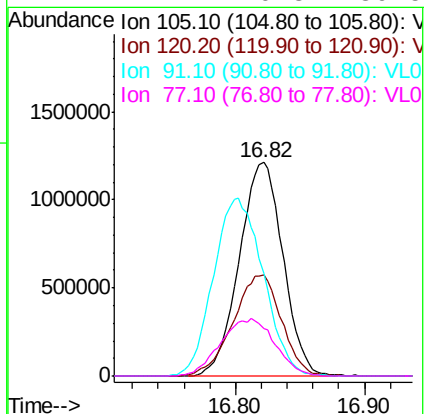
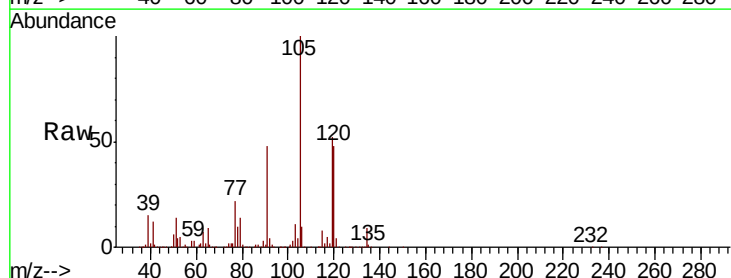
Ion Ratio Lower Upper

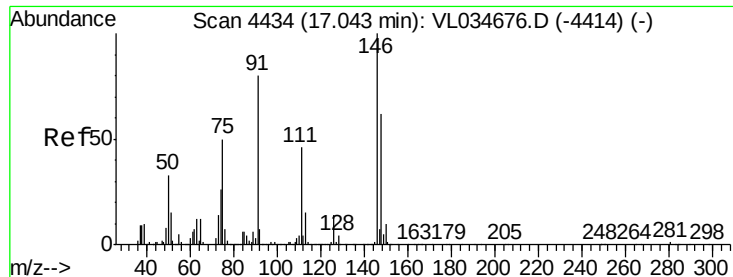
105 100

120 47.3 37.9 56.9

91 47.7 43.9 65.9

77 22.4 20.3 30.5

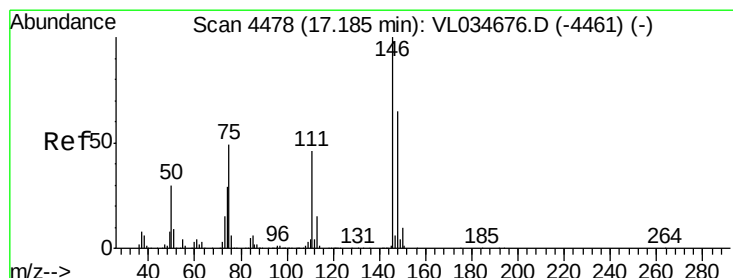
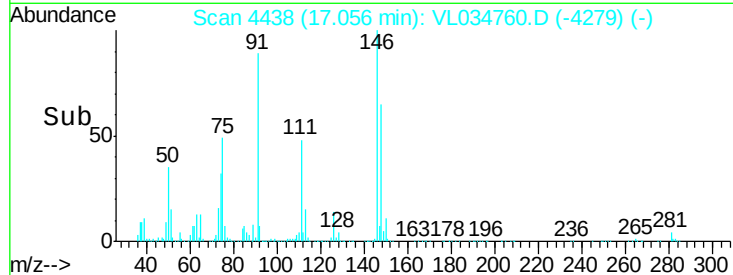
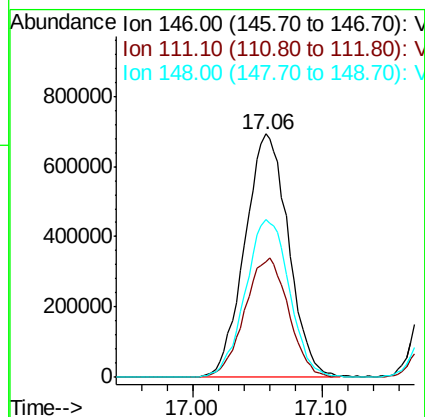
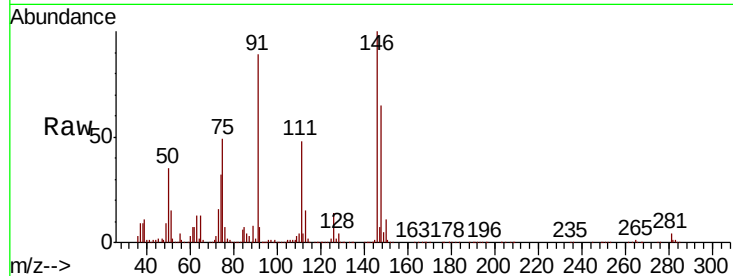




#75
 1,3-Dichlorobenzene
 Concen: 7.464 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

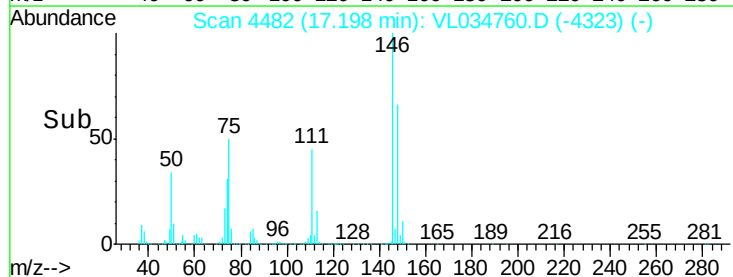
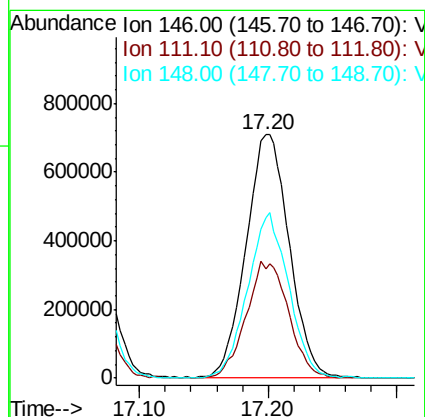
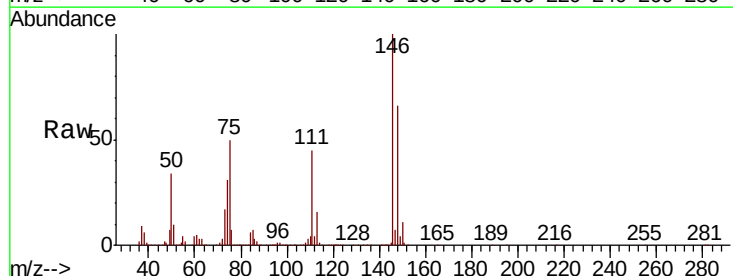
Instrument :
 MSVOA_L
 ClientSampled :

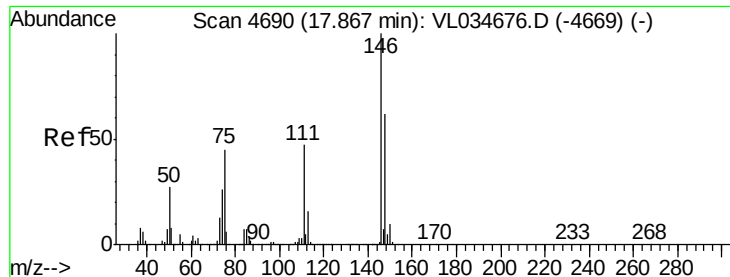
Tot Ion:146 Resp: 1627130
 Ion Ratio Lower Upper
 146 100
 111 49.5 24.4 73.2
 148 65.7 32.5 97.4



#76
 1,4-Dichlorobenzene
 Concen: 7.521 ppbv
 RT: 17.20 min Scan# 4482
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion:146 Resp: 1640476
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.4 70.0
 148 65.6 31.9 95.5

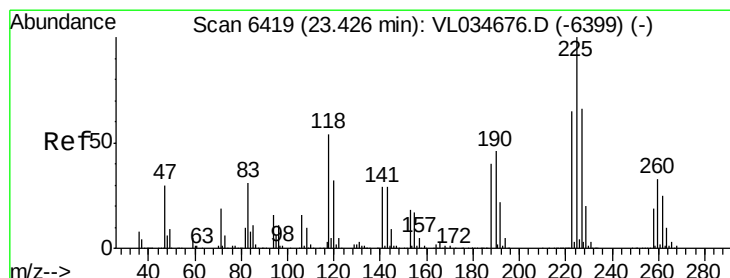
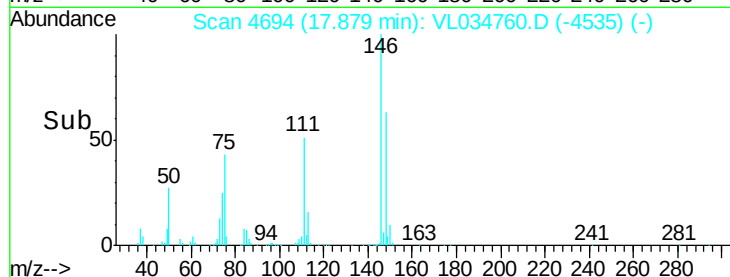
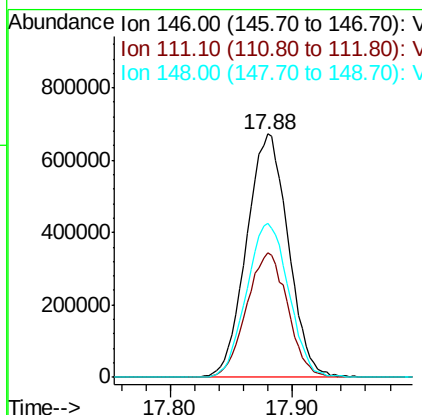
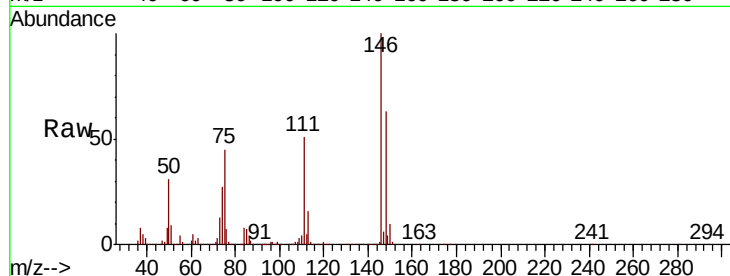




#77
 1,2-Dichlorobenzene
 Concen: 7.534 ppbv
 RT: 17.88 min Scan# 4694
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

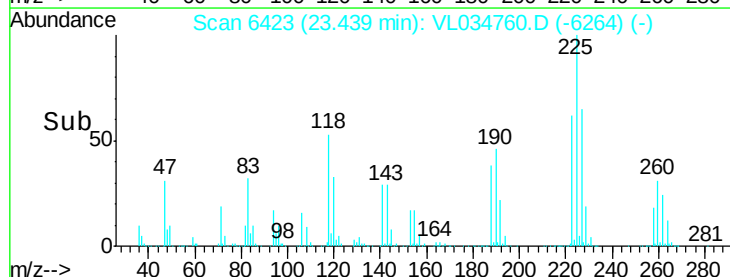
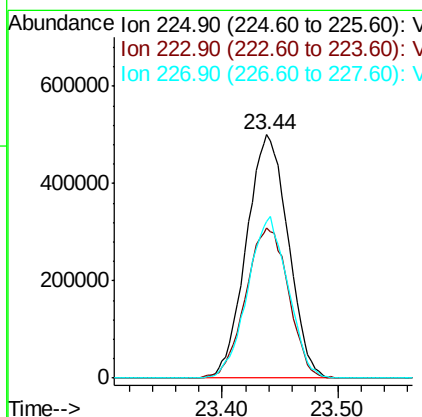
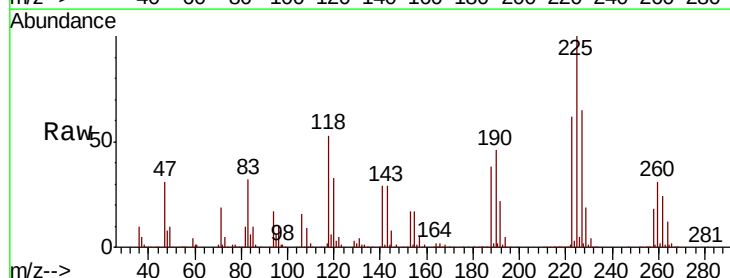
Instrument :
 MSVOA_L
 ClientSampleId :

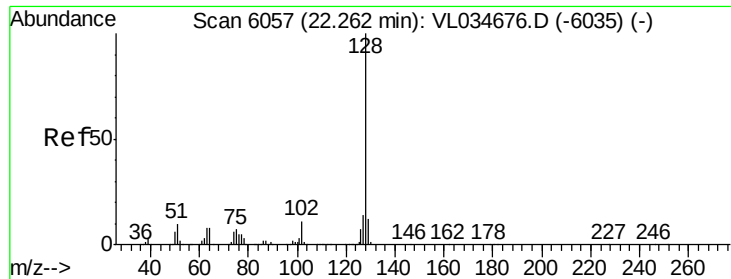
Tot Ion:146 Resp: 1588038
 Ion Ratio Lower Upper
 146 100
 111 50.5 24.9 74.7
 148 64.2 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.822 ppbv
 RT: 23.44 min Scan# 6423
 Delta R.T. 0.01 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Tgt Ion:225 Resp: 1251969
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.3 76.9
 227 64.1 51.3 76.9





#79

Naphthalene

Concen: 8.272 ppbv

RT: 22.28 min Scan# 6063

Delta R.T. 0.02 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

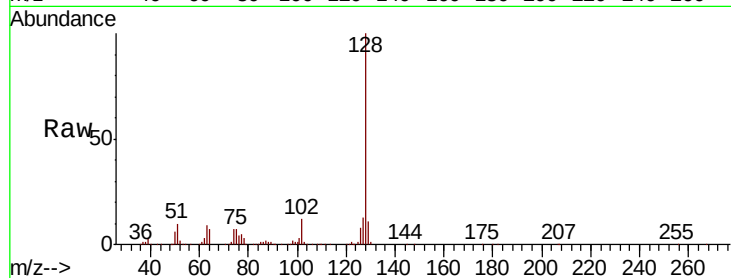
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 2749566

Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.6
129	11.4	9.4	14.2

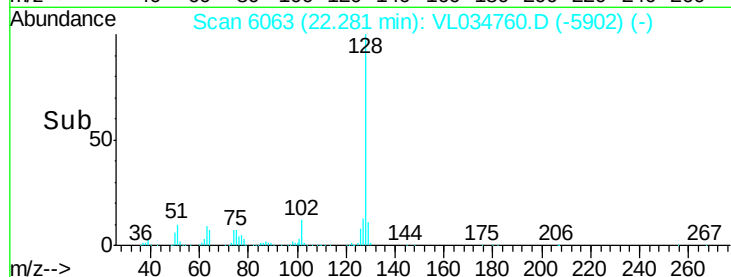


Abundance Ion 128.10 (127.80 to 128.80): V

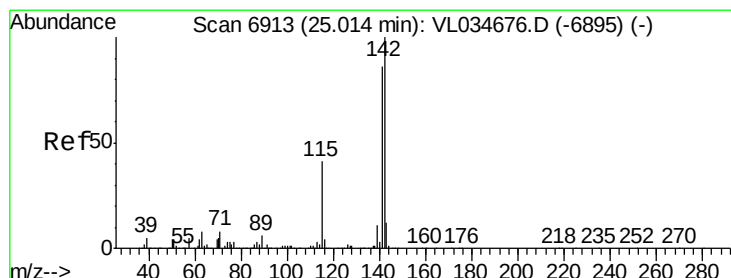
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

22.28



Time-->



#80

Naphthalene, 2-methyl-

Concen: 7.360 ppbv

RT: 25.03 min Scan# 6917

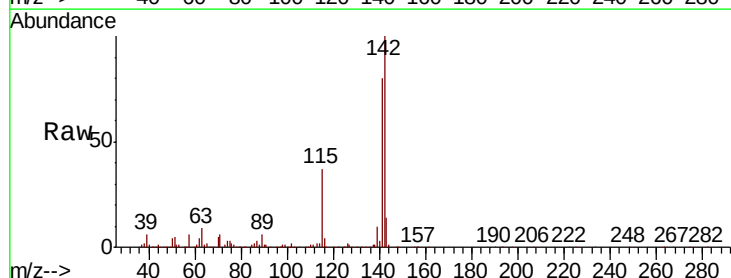
Delta R.T. 0.01 min

Lab File: VL034760.D

Acq: 3 Mar 2020 11:52

Tgt Ion:142 Resp: 754553

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.5	99.7
115	39.1	30.6	46.0

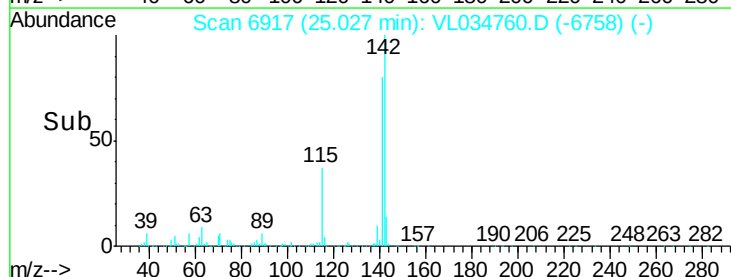


Abundance Ion 142.00 (141.70 to 142.70): V

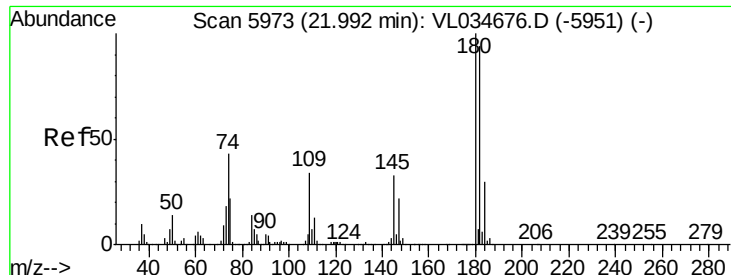
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

25.03



Time-->



#81
 1,2,4-Trichlorobenzene
 Concen: 7.440 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.02 min
 Lab File: VL034760.D
 Acq: 3 Mar 2020 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1475865
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.5 114.7
 184 31.1 25.2 37.8

