

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035040.D
 Acq On : 15 May 2020 10:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 23:38:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1105463	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2613638	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2718490	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2119148	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1352797	8.622	ppbv 99
3) Chlorodifluoromethane	2.94	51	1176392	9.321	ppbv 100
4) Chloromethane	3.10	50	673230	9.308	ppbv 95
5) Vinyl Chloride	3.21	62	659268	9.343	ppbv 95
6) Bromomethane	3.43	94	381889	9.064	ppbv 85
7) Chloroethane	3.52	64	240287	9.482	ppbv 99
8) Dichlorotetrafluoroethane	3.14	85	1481642	9.125	ppbv 99
9) Propene	2.96	41	517372	9.447	ppbv 99
10) Heptane	8.13	43	1378650	10.048	ppbv 100
11) Trichlorofluoromethane	3.92	101	1514638	9.363	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1037234	9.004	ppbv 100
13) Ethanol	3.57	45	144458	7.993	ppbv 99
14) Bromoethene	3.70	108	467178	9.814	ppbv 98
15) Acetone	3.82	43	1242250	8.500	ppbv 98
16) 1,3-Butadiene	3.29	39	603825	9.601	ppbv 99
17) tert-Butyl alcohol	4.26	59	1237828	9.519	ppbv 99
18) 1,1-Dichloroethene	4.26	96	496511	9.935	ppbv 97
19) Isopropyl Alcohol	3.93	45	887864	9.110	ppbv 100
20) Methylene Chloride	4.32	84	426611	8.818	ppbv 96
21) Allyl Chloride	4.38	41	827100	10.019	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	477648	9.649	ppbv 97
23) Vinyl Acetate	5.05	43	1871758	10.100	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1318166	9.235	ppbv 99
25) Ethyl Acetate	5.66	43	2384279	9.712	ppbv 100
26) Hexane	5.67	57	1036768	9.742	ppbv 99
27) Carbon Disulfide	4.52	76	1187087	9.463	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1571680	9.696	ppbv 99
29) Chloroform	5.74	83	1590919	9.136	ppbv 97
30) Cyclohexane	7.13	84	858435	10.452	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1062794	10.235	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1514828	9.633	ppbv 100
34) 2-Butanone	5.22	43	1555640	9.577	ppbv 100
35) Carbon Tetrachloride	7.02	117	1536463	9.314	ppbv 98
36) Benzene	6.89	78	2081949	9.662	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1247508	9.385	ppbv 100
38) Trichloroethene	7.84	130	792461	9.493	ppbv 98
39) 1,2-Dichloropropane	7.62	63	832832	9.641	ppbv 98
40) 1,4-Dioxane	7.83	88	317932	9.055	ppbv 93
41) Tetrahydrofuran	6.04	42	868268	10.152	ppbv 99
42) Bromodichloromethane	7.80	83	1659899	9.259	ppbv 99
43) Methyl Methacrylate	8.02	69	945176	10.388	ppbv 100

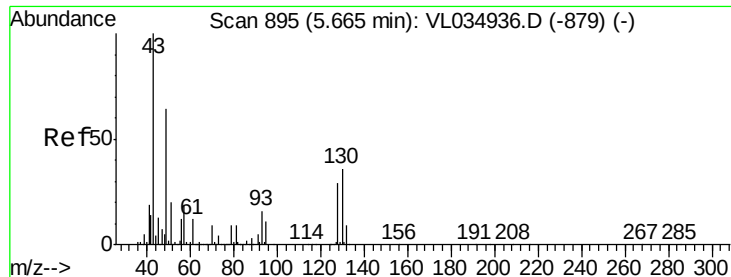
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035040.D
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Quant Time: May 15 23:38:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3569119	9.316	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1030156	11.219	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1231528	10.924	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	838474	9.198	ppbv	95
48) Dibromochloromethane	10.33	129	1337279	9.540	ppbv	100
49) Bromoform	13.08	173	1109983	9.202	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2302374	9.940	ppbv	99
51) 2-Hexanone	10.15	43	1885088	10.405	ppbv #	99
52) Tetrachloroethene	11.25	164	727979	9.501	ppbv	97
53) Toluene	9.82	91	2376137	10.402	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1283817	9.591	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1011676	8.252	ppbv #	57
57) Chlorobenzene	12.18	112	1752569	8.138	ppbv	98
58) Ethyl Benzene	12.74	91	3157774	9.394	ppbv	97
59) m/p-Xylene	13.02	91	2058926	6.961	ppbv #	65
60) o-Xylene	13.73	91	2549778	8.736	ppbv	100
61) Styrene	13.56	104	1825787	9.885	ppbv	99
62) Isopropylbenzene	14.70	105	3756244	8.620	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1750638	7.620	ppbv	100
64) n-propylbenzene	15.60	120	974405	8.718	ppbv	98
65) tert-Butylbenzene	16.78	119	3232273	8.553	ppbv	100
66) Benzyl Chloride	17.03	91	1165007	9.080	ppbv	98
67) sec-Butylbenzene	17.33	105	4678380	8.672	ppbv	99
69) p-Isopropyltoluene	17.69	119	3919279	8.980	ppbv	99
70) n-Butylbenzene	18.59	91	4262663	9.176	ppbv	99
71) 2-Chlorotoluene	15.49	91	2914388	8.860	ppbv	99
72) 4-Ethyltoluene	15.87	105	2974619	9.135	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2791274	8.809	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2915556	8.429	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1703169	8.386	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1701721	8.818	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1673847	8.747	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1549727	9.500	ppbv	98
79) Naphthalene	22.25	128	3419451	12.695	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1075417	16.243	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1799683	11.018	ppbv	100

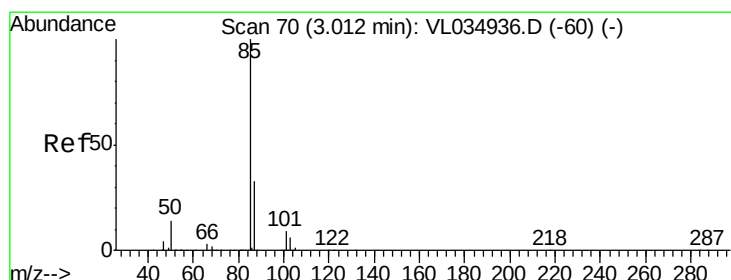
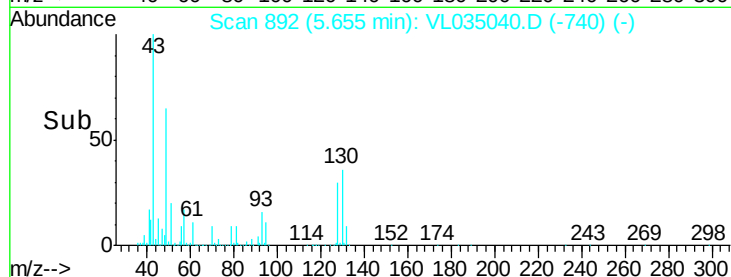
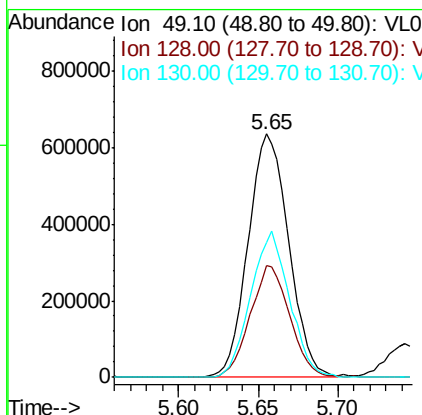
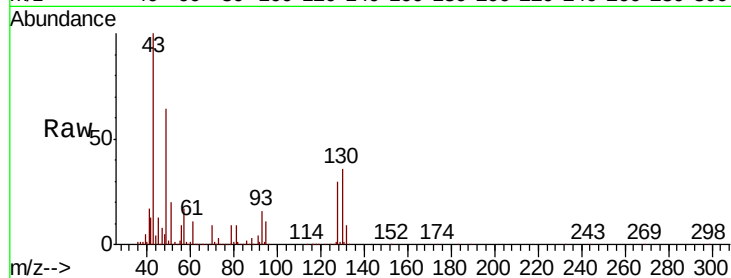
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

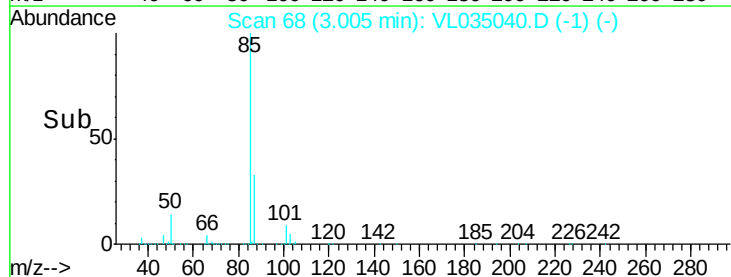
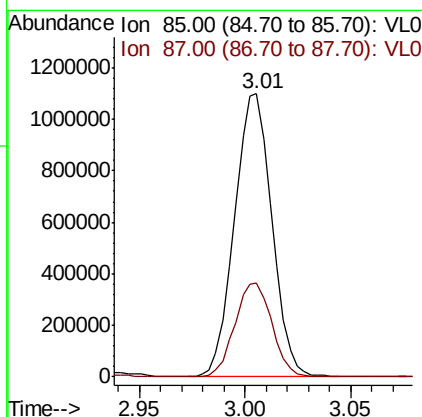
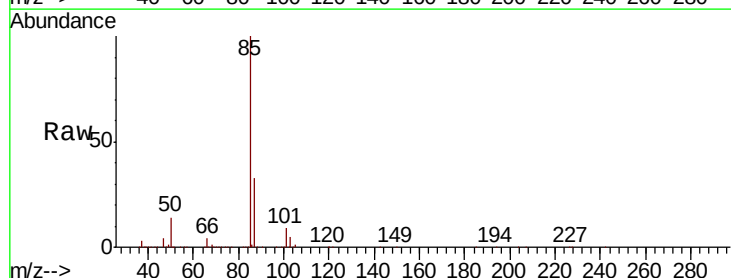
Instrument :
 MSVOA_L
 ClientSampleId :

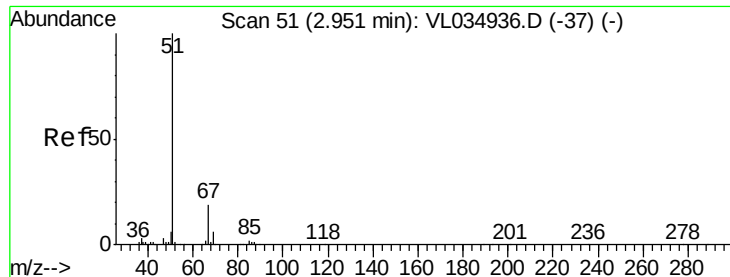
Tot Ion: 49 Resp: 1105463
 Ion Ratio Lower Upper
 49 100
 128 44.9 22.1 66.5
 130 57.8 29.1 87.3



#2
 Dichlorodifluoromethane
 Concen: 8.622 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 85 Resp: 1352797
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.2 39.2





#3

Chlorodifluoromethane

Concen: 9.321 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

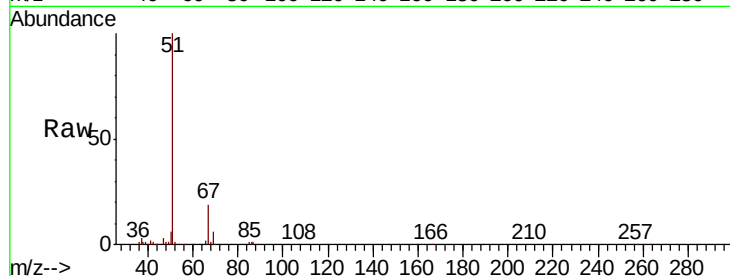
ClientSampleId :

Tot Ion: 51 Resp: 1176392

Ion Ratio Lower Upper

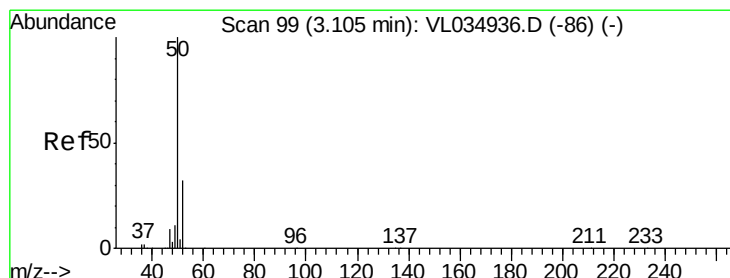
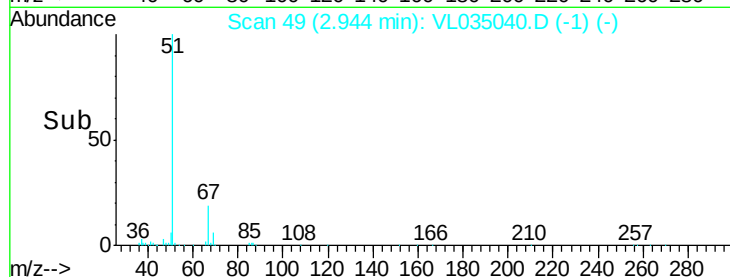
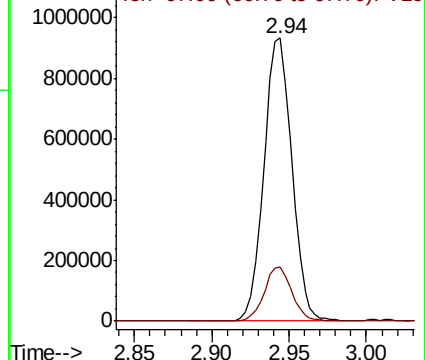
51 100

67 18.7 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.308 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL035040.D

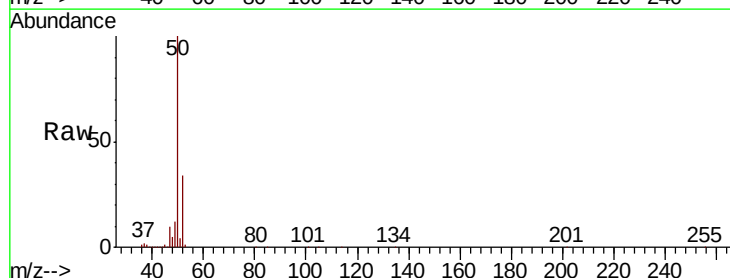
Acq: 15 May 2020 10:44

Tgt Ion: 50 Resp: 673230

Ion Ratio Lower Upper

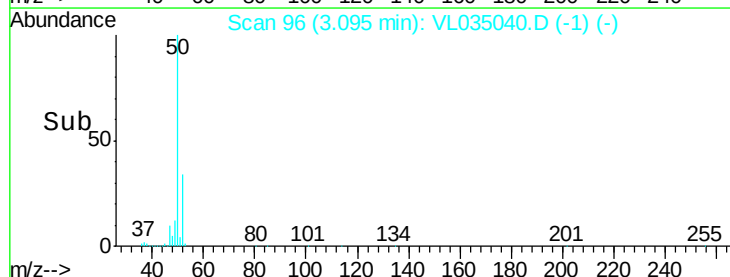
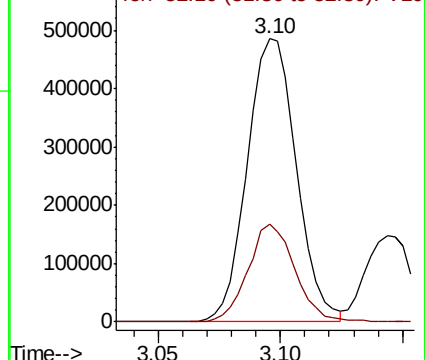
50 100

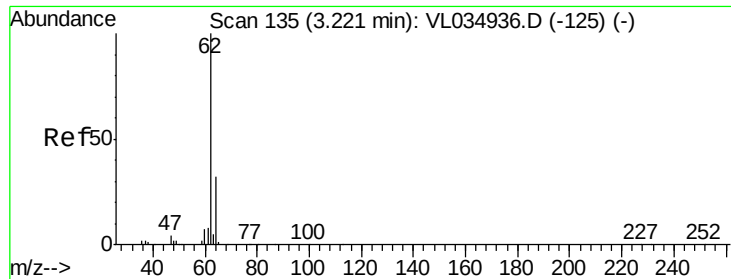
52 34.4 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.343 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

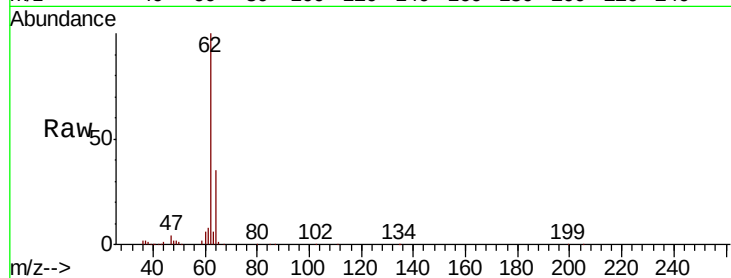
ClientSampled :

Tot Ion: 62 Resp: 659268

Ion Ratio Lower Upper

62 100

64 34.7 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

500000

400000

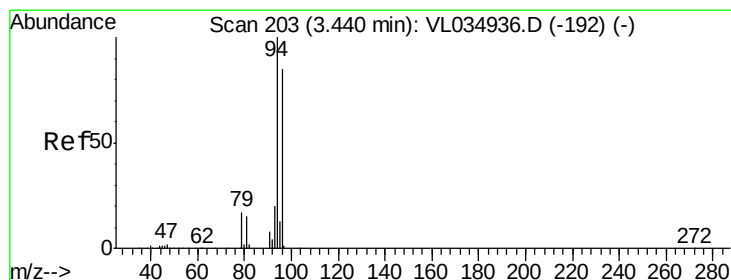
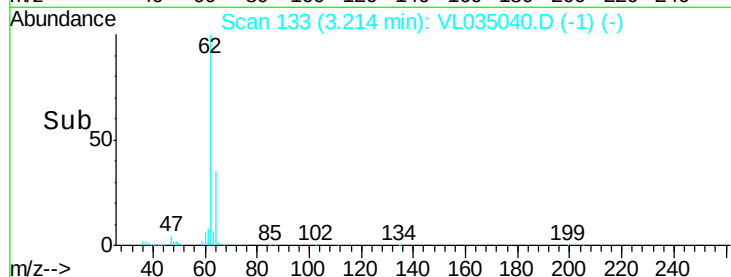
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.064 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.01 min

Lab File: VL035040.D

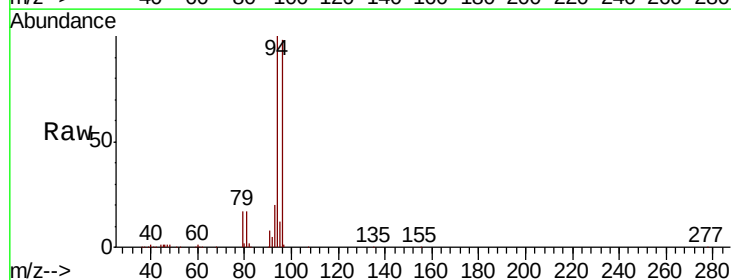
Acq: 15 May 2020 10:44

Tgt Ion: 94 Resp: 381889

Ion Ratio Lower Upper

94 100

96 98.4 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

300000

250000

200000

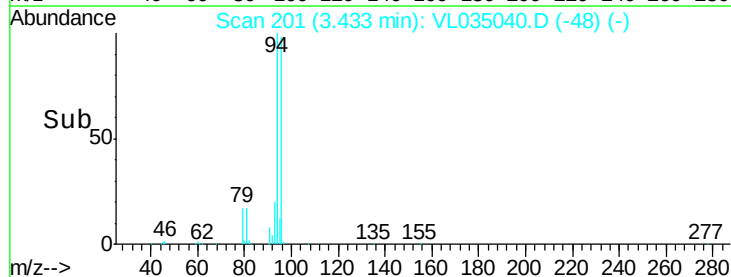
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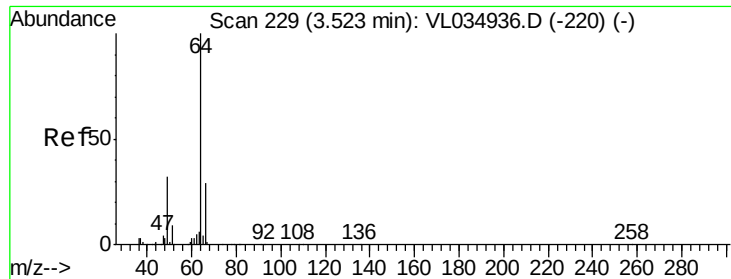
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.482 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

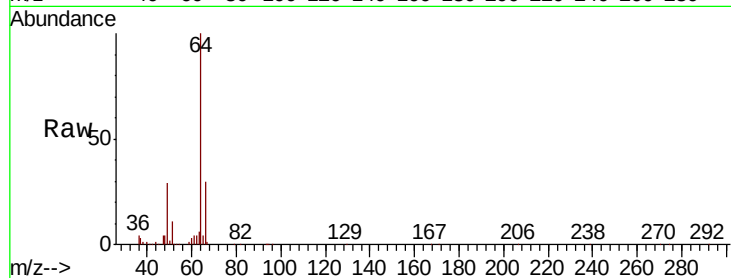
ClientSampleId :

Tot Ion: 64 Resp: 240287

Ion Ratio Lower Upper

64 100

66 29.6 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

200000

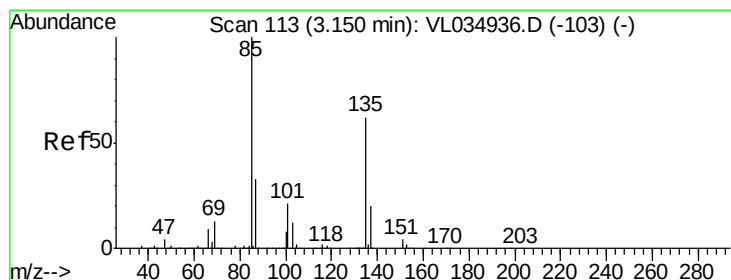
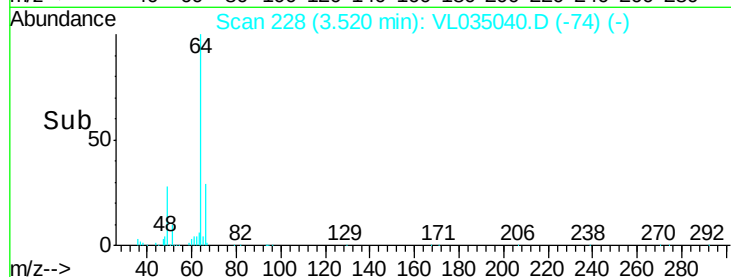
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.125 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL035040.D

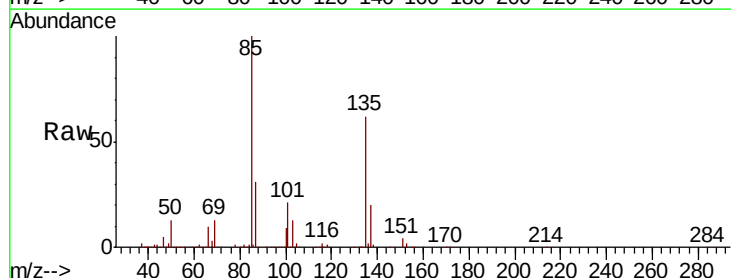
Acq: 15 May 2020 10:44

Tgt Ion: 85 Resp: 1481642

Ion Ratio Lower Upper

85 100

135 63.0 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

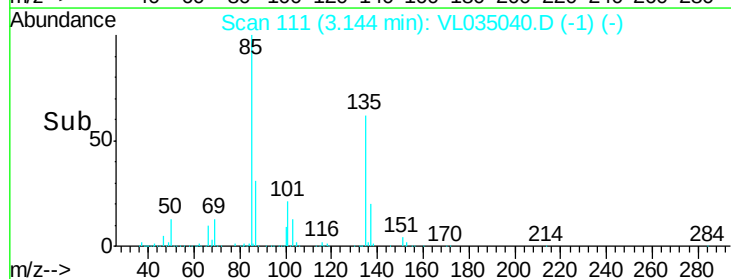
3.14

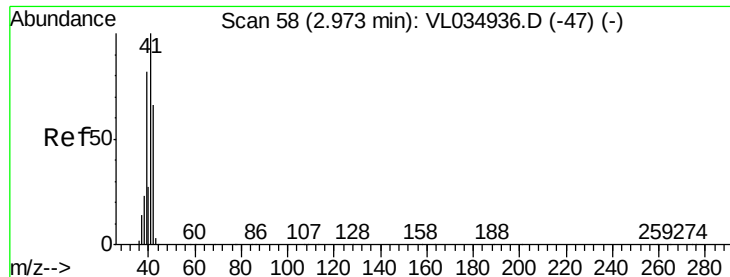
1000000

500000

0

Time-->





#9

Propene

Concen: 9.447 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

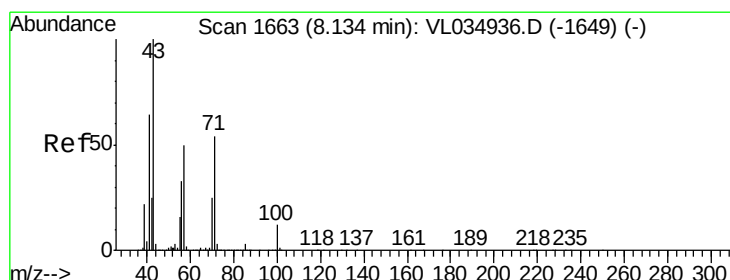
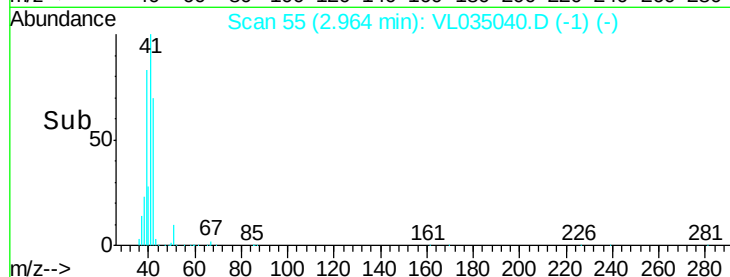
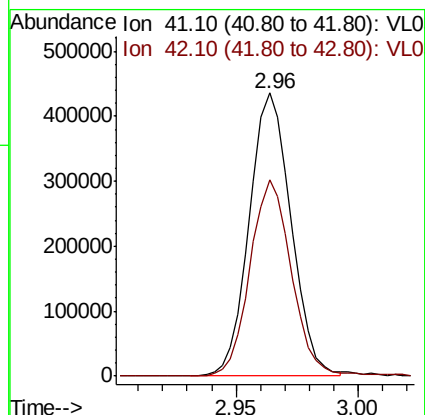
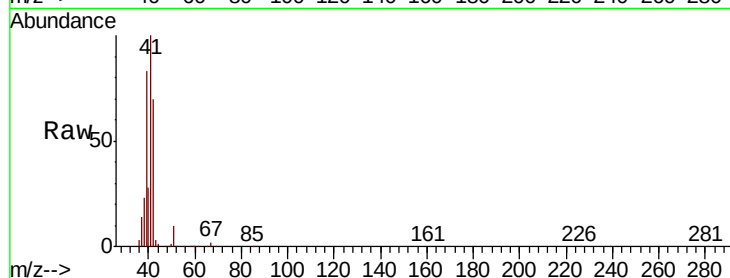
ClientSampleId :

Tot Ion: 41 Resp: 517372

Ion Ratio Lower Upper

41 100

42 69.0 54.5 81.7



#10

Heptane

Concen: 10.048 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL035040.D

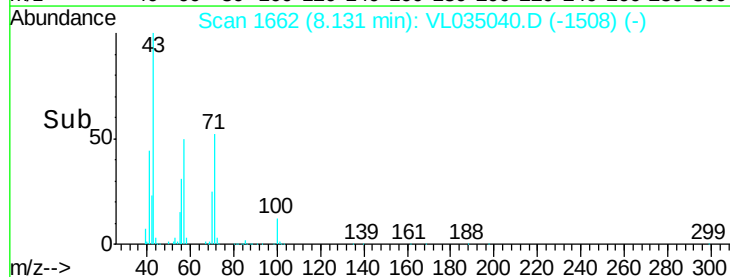
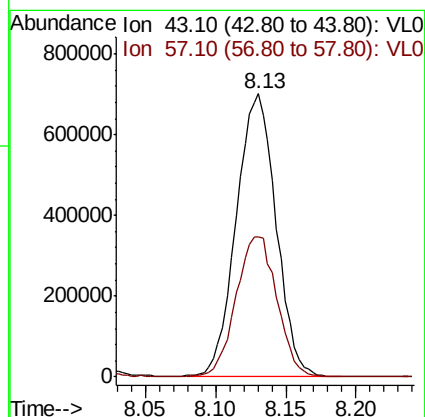
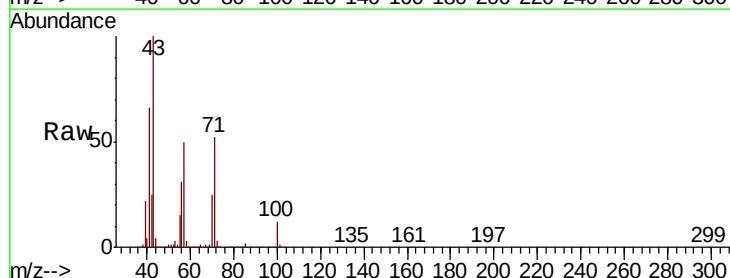
Acq: 15 May 2020 10:44

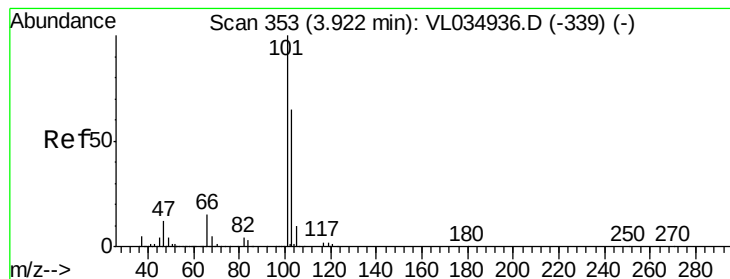
Tgt Ion: 43 Resp: 1378650

Ion Ratio Lower Upper

43 100

57 51.2 41.1 61.7





#11

Trichlorofluoromethane

Concen: 9.363 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

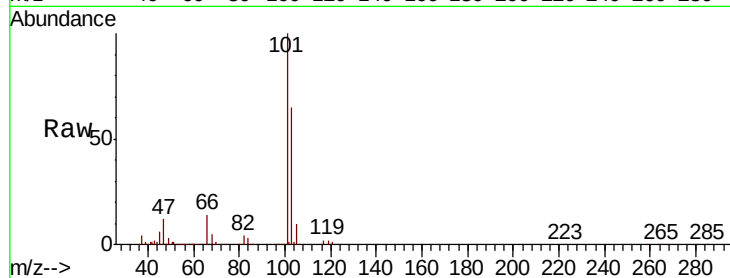
ClientSampled :

Tot Ion:101 Resp: 1514638

Ion Ratio Lower Upper

101 100

103 65.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1200000

1000000

800000

600000

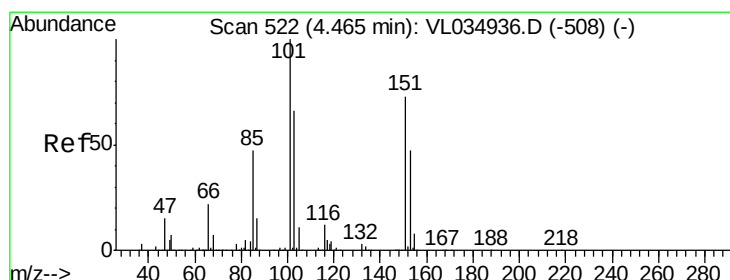
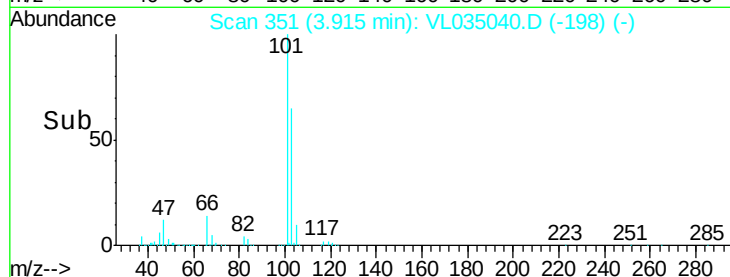
400000

200000

0

3.85 3.90 3.95

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.004 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.01 min

Lab File: VL035040.D

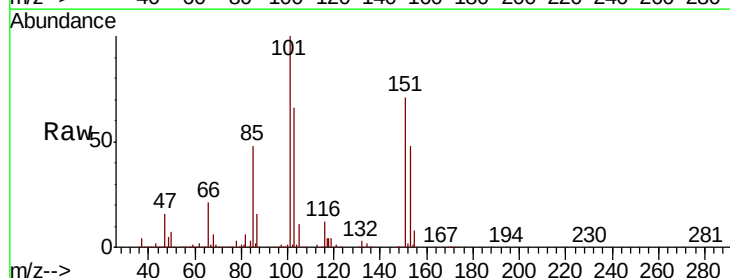
Acq: 15 May 2020 10:44

Tgt Ion:101 Resp: 1037234

Ion Ratio Lower Upper

101 100

151 71.9 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

600000

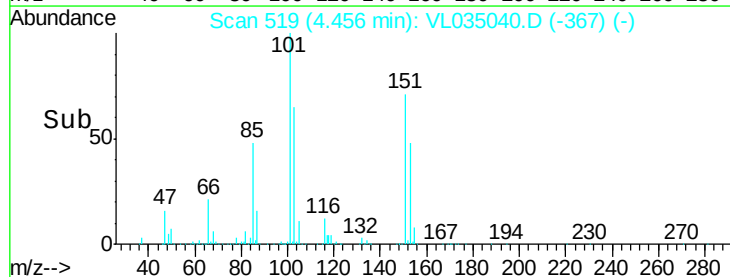
400000

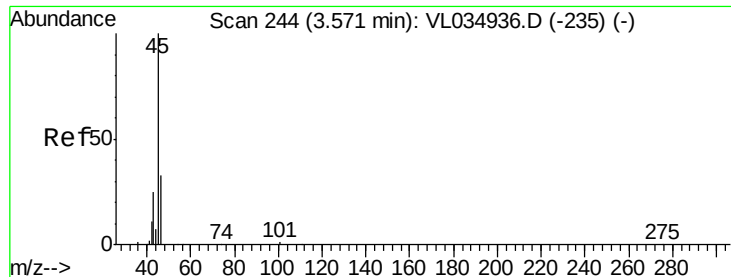
200000

0

4.40 4.45 4.50

Time-->





#13

Ethanol

Concen: 7.993 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

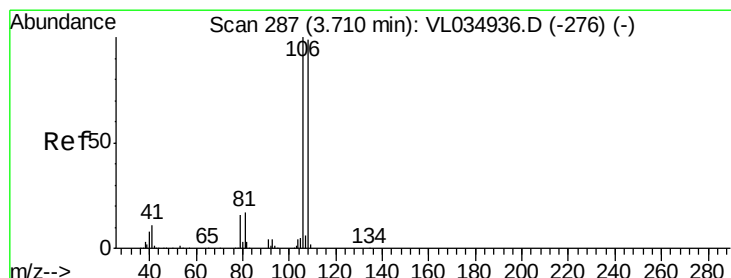
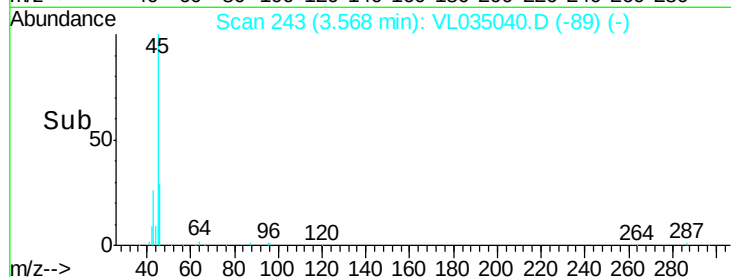
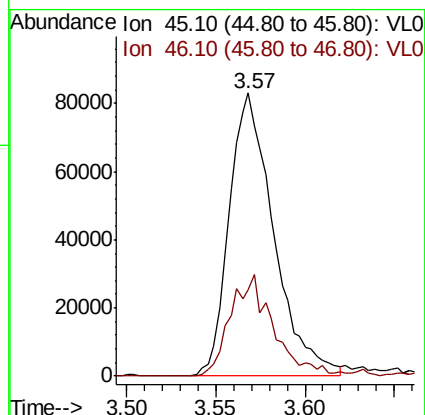
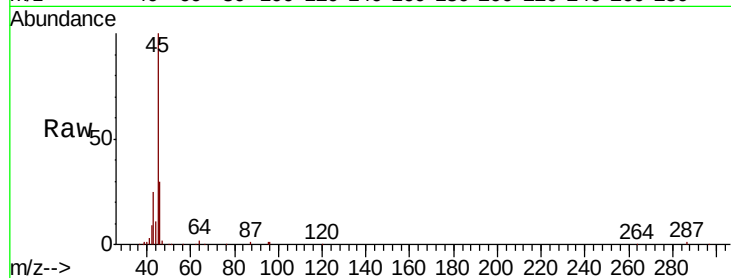
ClientSampleId :

Tot Ion: 45 Resp: 144458

Ion Ratio Lower Upper

45 100

46 36.3 14.3 57.3



#14

Bromoethene

Concen: 9.814 ppbv

RT: 3.70 min Scan# 285

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

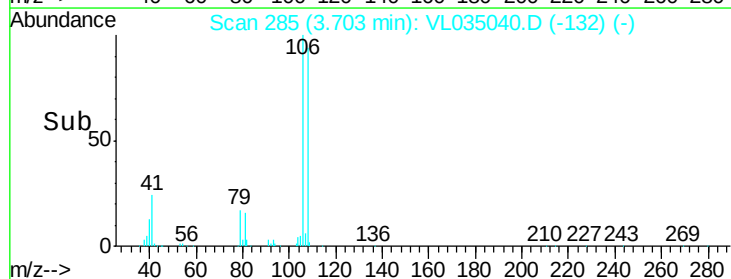
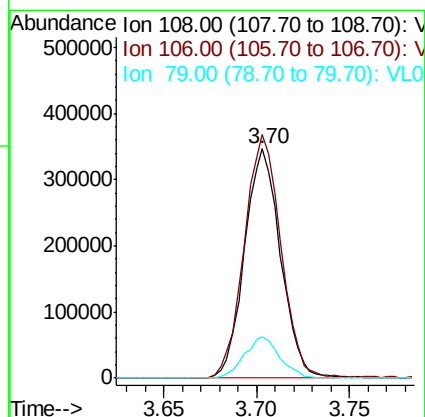
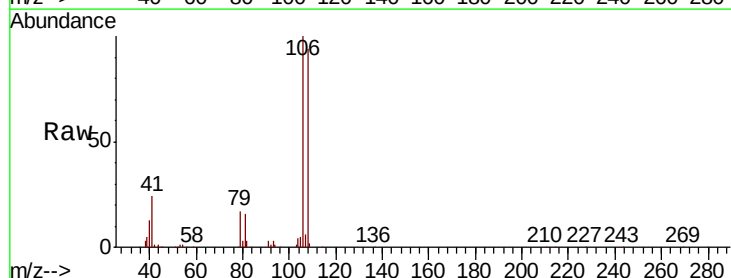
Tgt Ion: 108 Resp: 467178

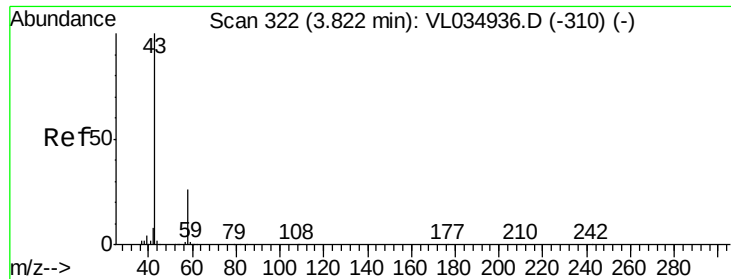
Ion Ratio Lower Upper

108 100

106 108.1 84.9 127.3

79 18.1 14.1 21.1





#15

Acetone

Concen: 8.500 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

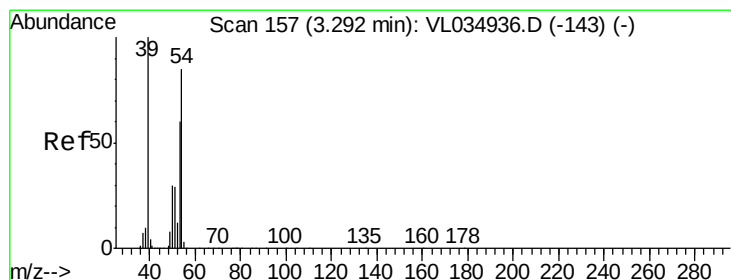
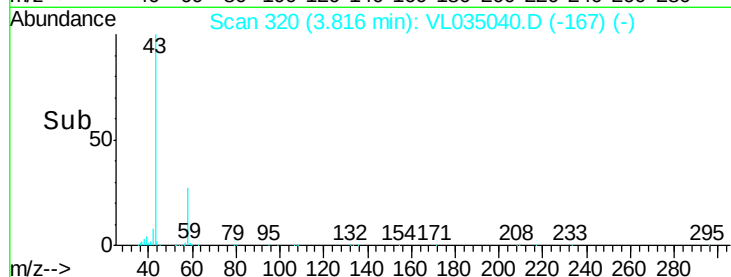
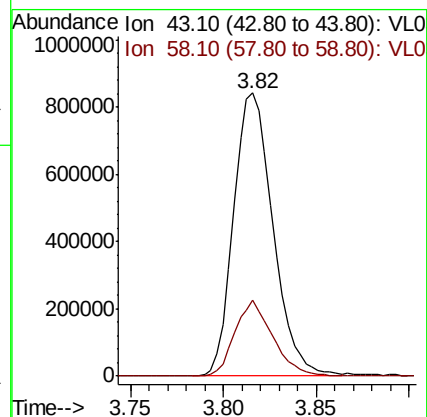
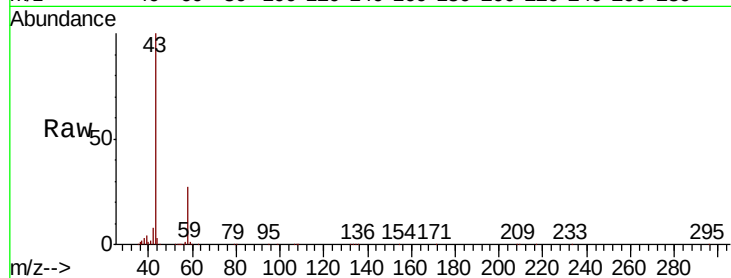
ClientSampleId :

Tot Ion: 43 Resp: 1242250

Ion Ratio Lower Upper

43 100

58 25.9 21.7 32.5



#16

1,3-Butadiene

Concen: 9.601 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.01 min

Lab File: VL035040.D

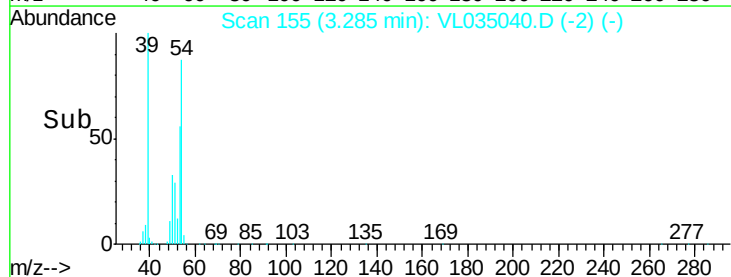
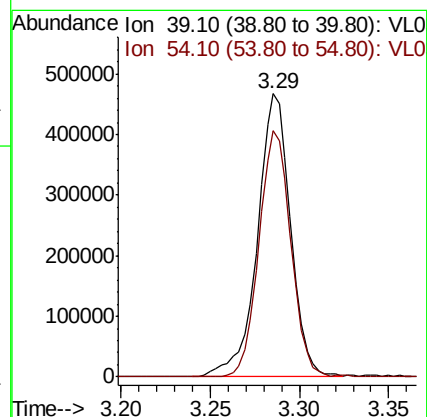
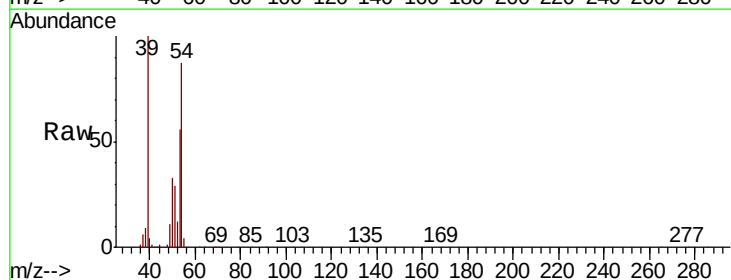
Acq: 15 May 2020 10:44

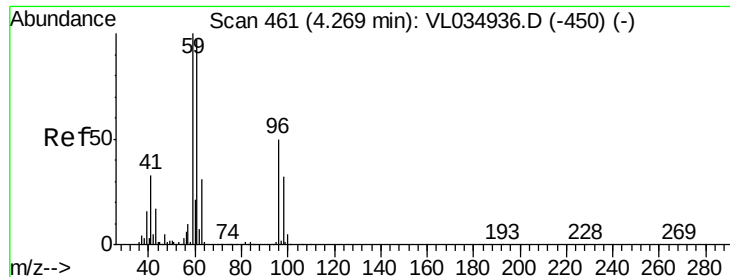
Tgt Ion: 39 Resp: 603825

Ion Ratio Lower Upper

39 100

54 84.5 66.6 100.0



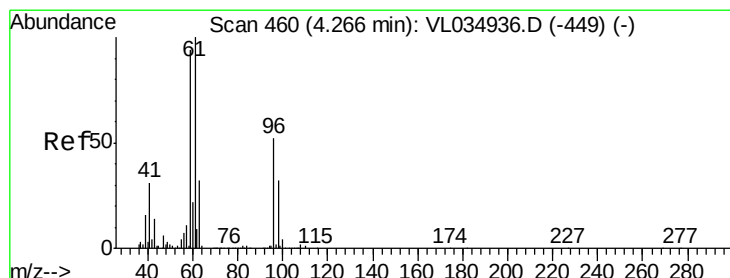
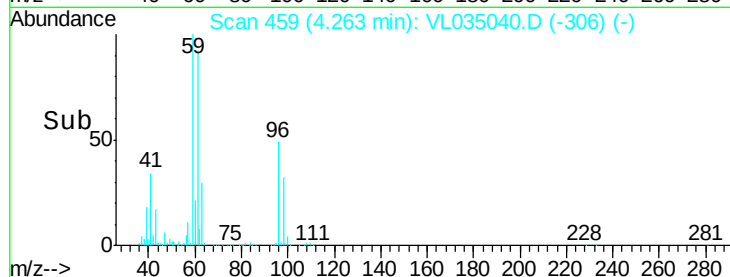
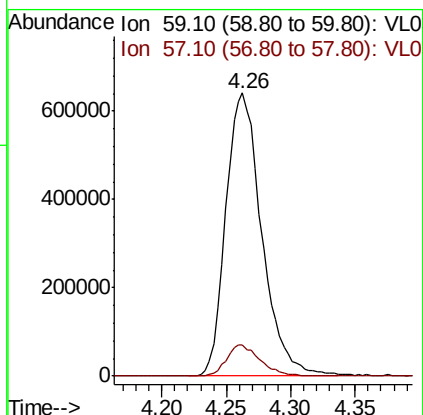
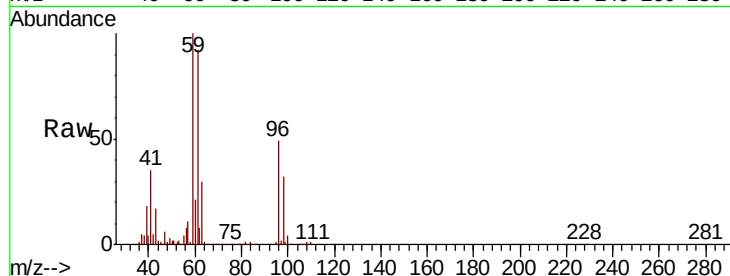


#17

tert-Butyl alcohol
 Concen: 9.519 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :

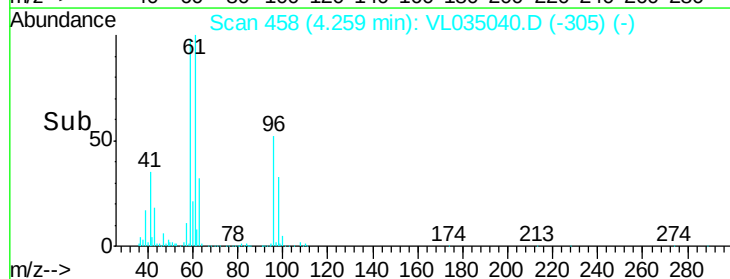
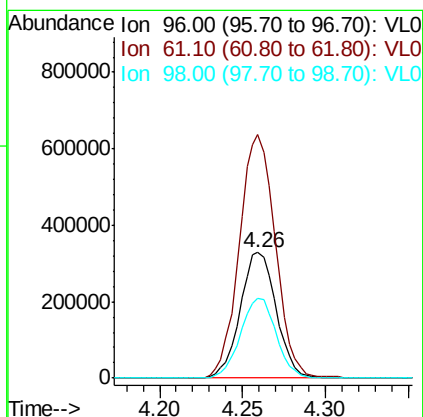
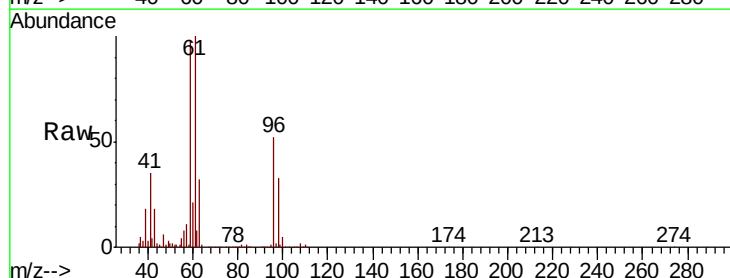
Tot Ion: 59 Resp: 1237828
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.7 13.1

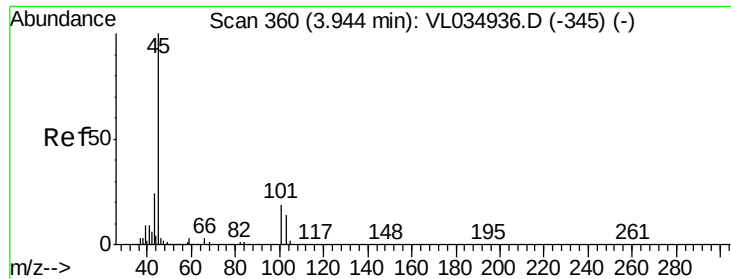


#18

1,1-Dichloroethene
 Concen: 9.935 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 96 Resp: 496511
 Ion Ratio Lower Upper
 96 100
 61 194.1 152.4 228.6
 98 63.3 48.8 73.2



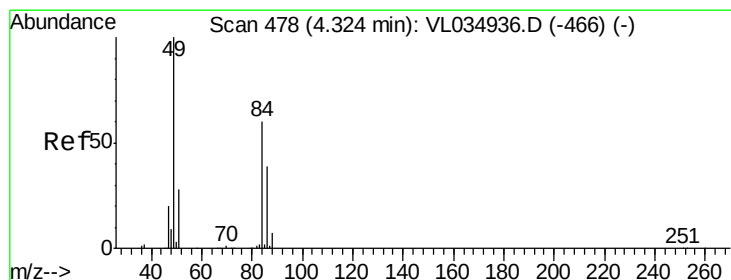
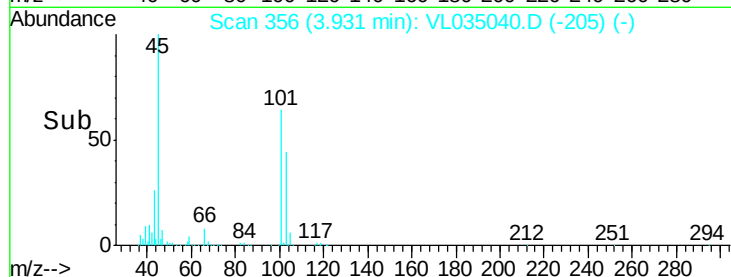
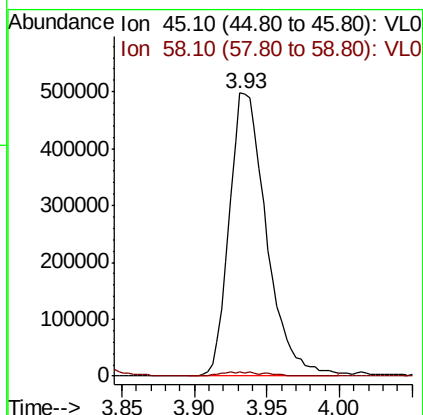
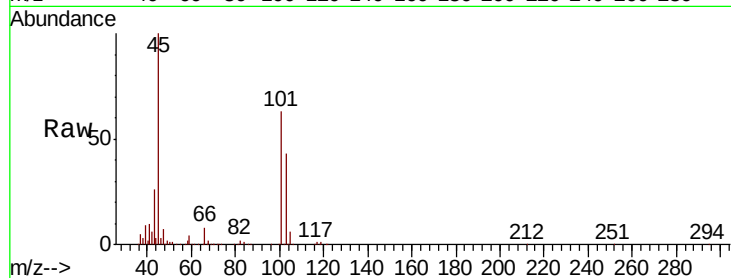


#19

Isopropyl Alcohol
 Concen: 9.110 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :

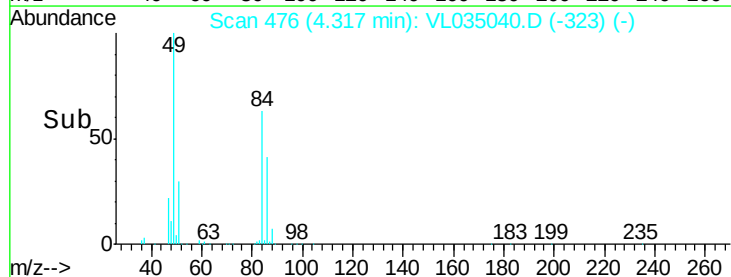
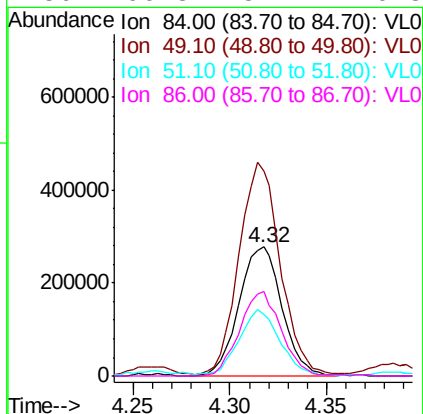
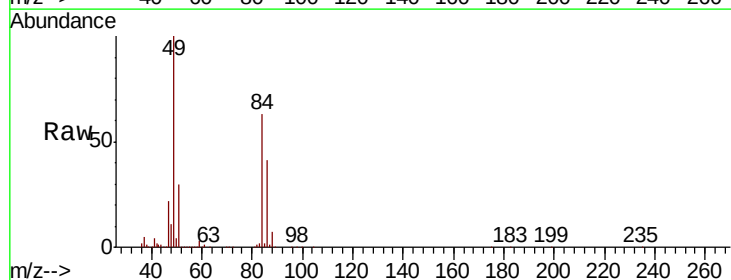
Tot Ion: 45 Resp: 887864
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.7 2.5

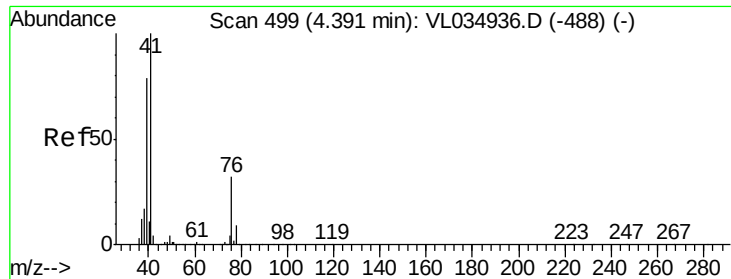


#20

Methylene Chloride
 Concen: 8.818 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 84 Resp: 426611
 Ion Ratio Lower Upper
 84 100
 49 158.2 132.5 198.7
 51 47.6 38.4 57.6
 86 66.3 51.2 76.8

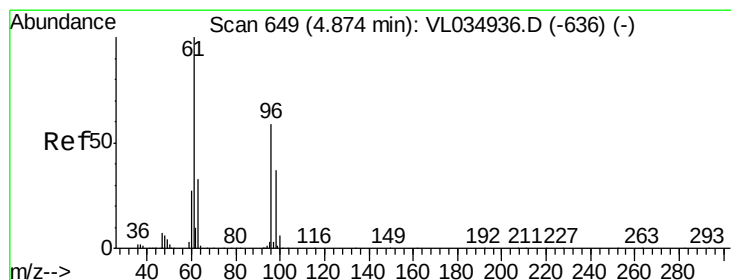
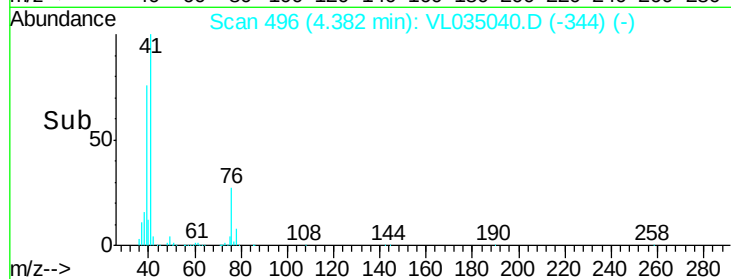
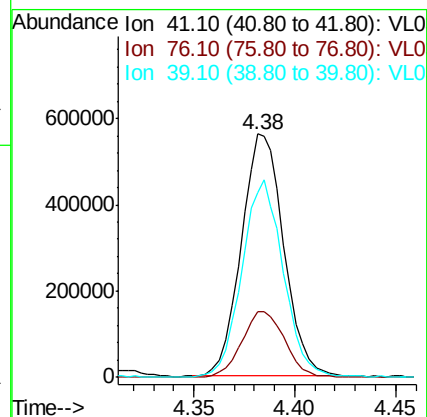
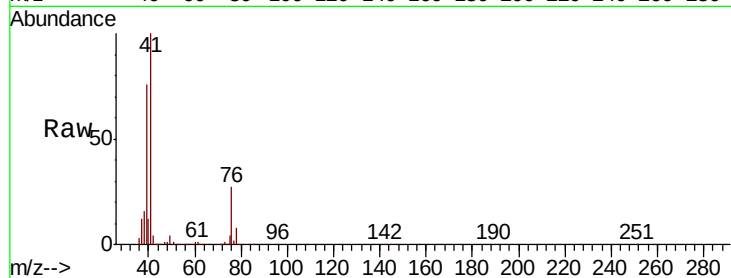




#21
 Allvl Chloride
 Concen: 10.019 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

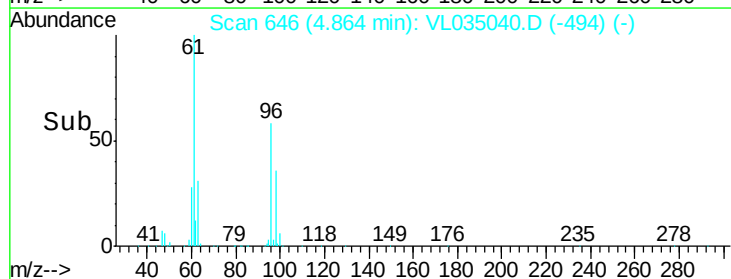
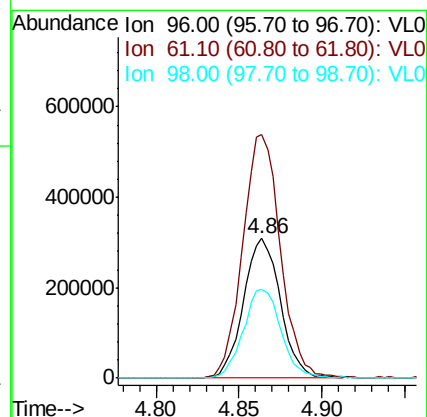
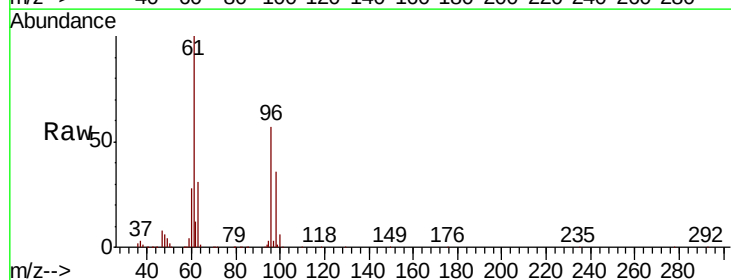
Instrument :
 MSVOA_L
 ClientSampled :

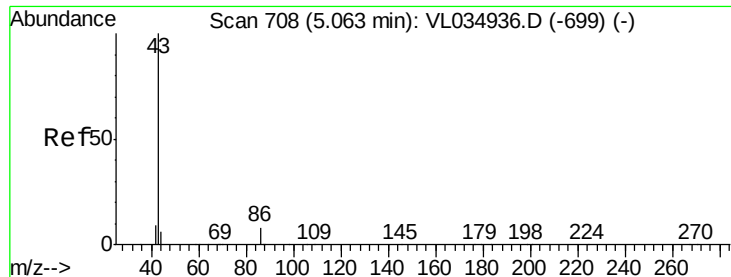
Tot Ion	Ratio	Lower	Upper
41	100		
76	27.5	23.6	35.4
39	79.5	61.9	92.9



#22
 trans-1,2-Dichloroethene
 Concen: 9.649 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.1	135.3	202.9
98	63.1	50.4	75.6





#23

Vinyl Acetate

Concen: 10.100 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

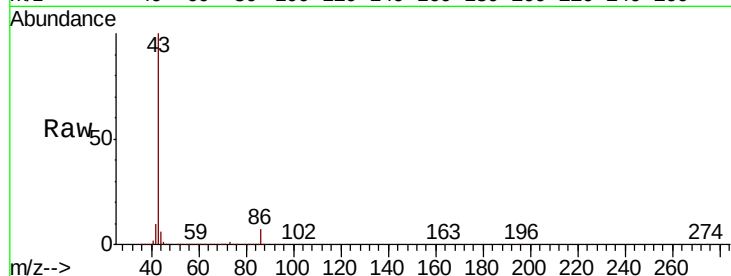
Lab File: VL035040.D

Acq: 15 May 2020 10:44

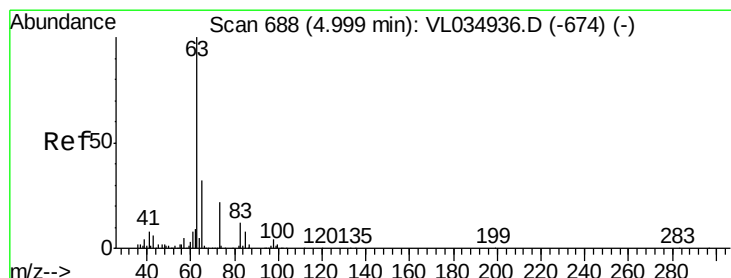
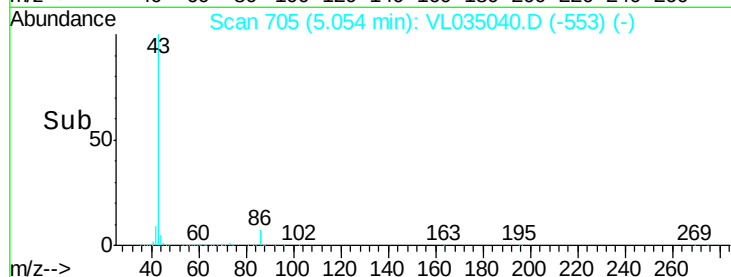
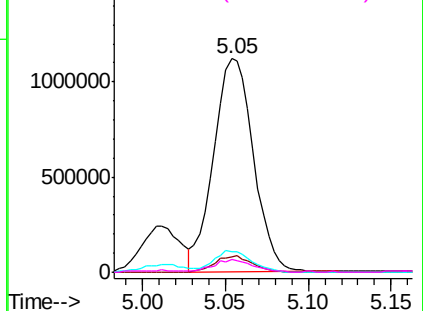
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1871758

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	9.5	8.0	12.0
44	5.6	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: 9.235 ppbv

RT: 4.99 min Scan# 686

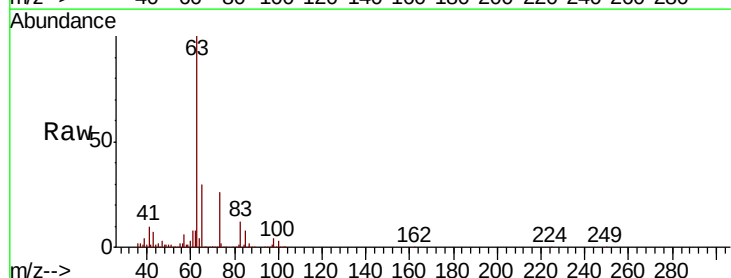
Delta R.T. -0.01 min

Lab File: VL035040.D

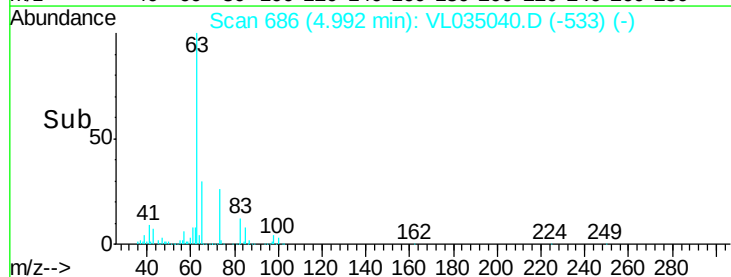
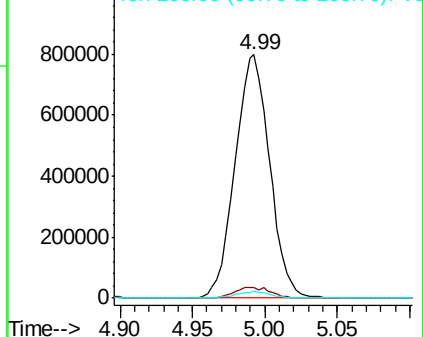
Acq: 15 May 2020 10:44

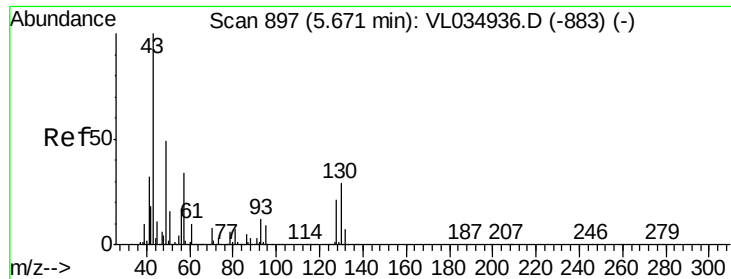
Tgt Ion: 63 Resp: 1318166

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.9	1.1	3.5



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



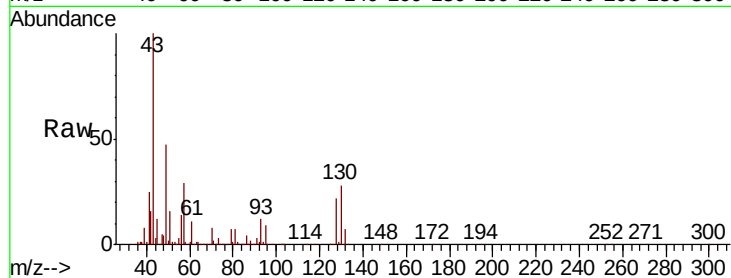


#25
Ethyl Acetate
Concen: 9.712 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2384279

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	9.6	7.8	11.8
70	7.4	6.0	9.0



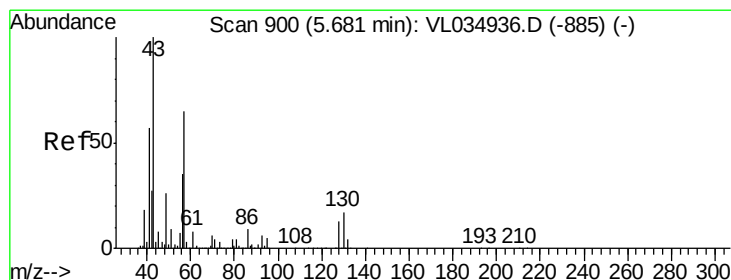
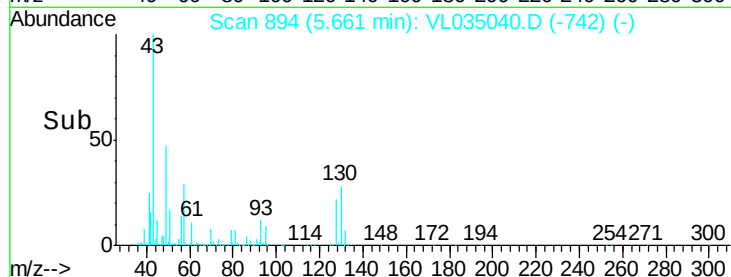
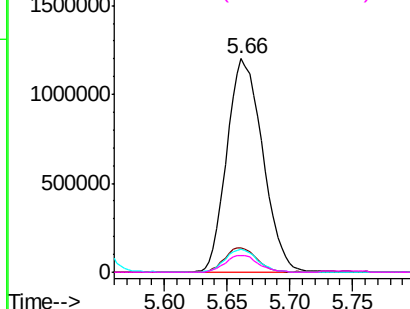
Abundance

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

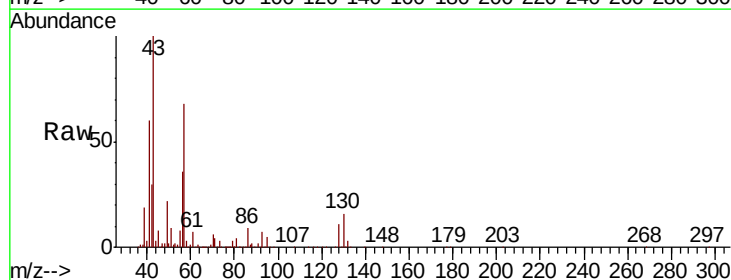
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.742 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 57 Resp: 1036768

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.7	109.1
43	230.9	182.1	273.1
56	52.5	42.2	63.2



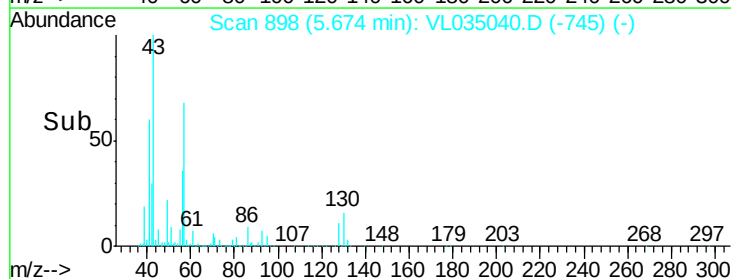
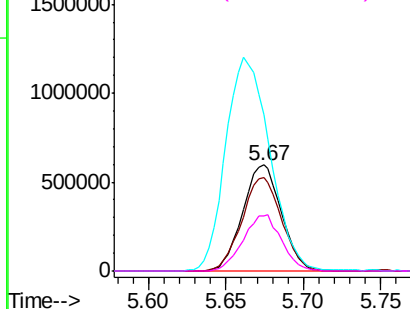
Abundance

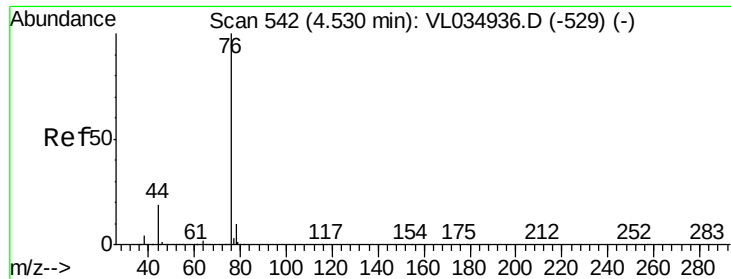
Ion 57.10 (56.80 to 57.80): VL0

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: 9.463 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

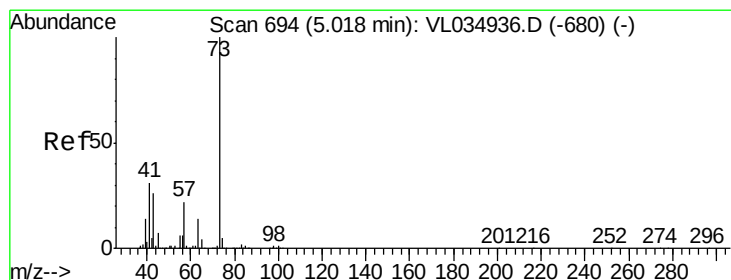
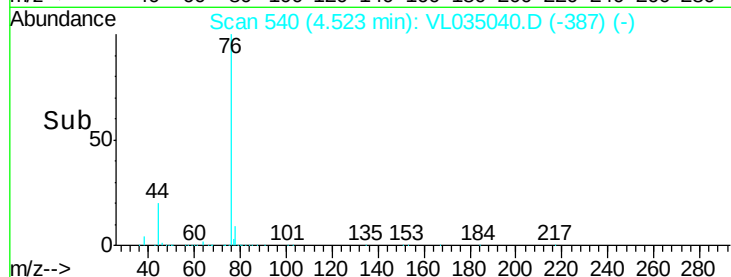
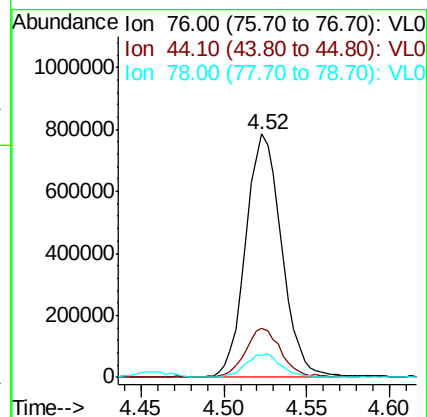
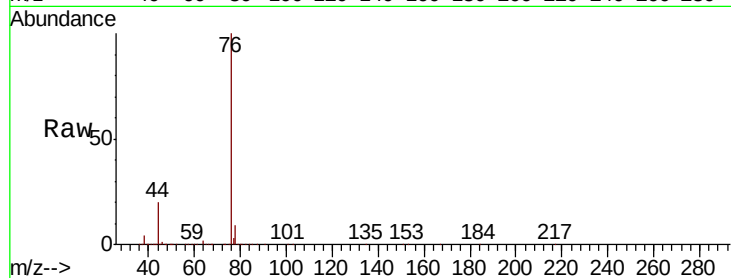
Tot Ion: 76 Resp: 1187087

Ion	Ratio	Lower	Upper
76	100		
44	20.0	15.2	22.8
78	9.4	7.7	11.5

76 100

44 20.0 15.2 22.8

78 9.4 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 9.696 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL035040.D

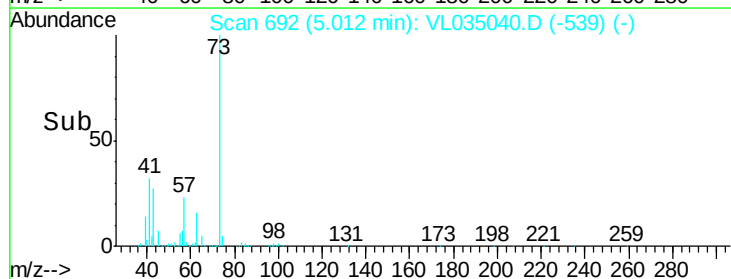
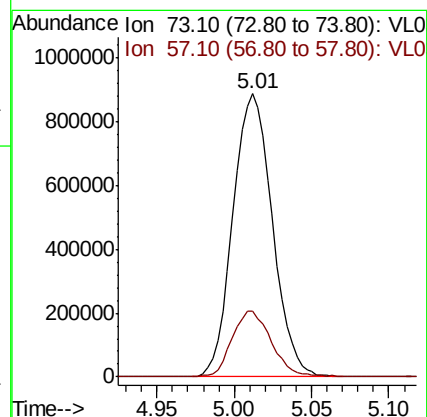
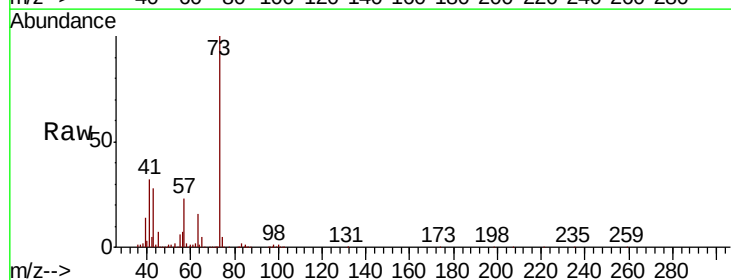
Acq: 15 May 2020 10:44

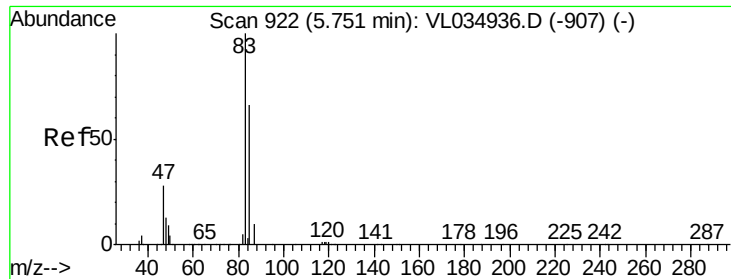
Tgt Ion: 73 Resp: 1571680

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.3	27.5

73 100

57 23.3 18.3 27.5

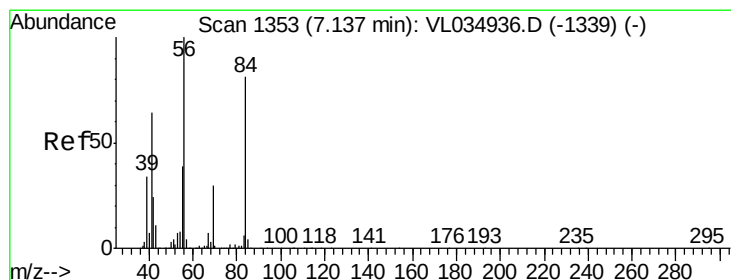
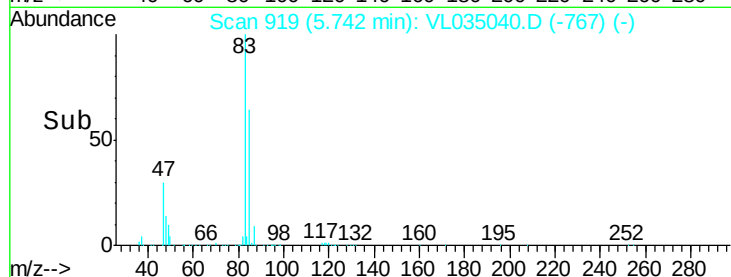
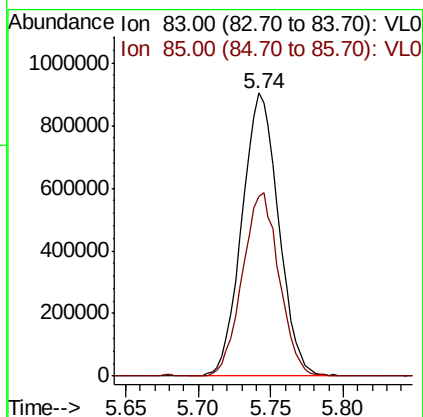
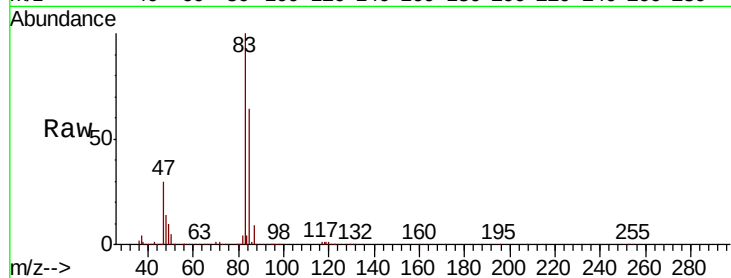




#29
Chloroform
Concen: 9.136 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

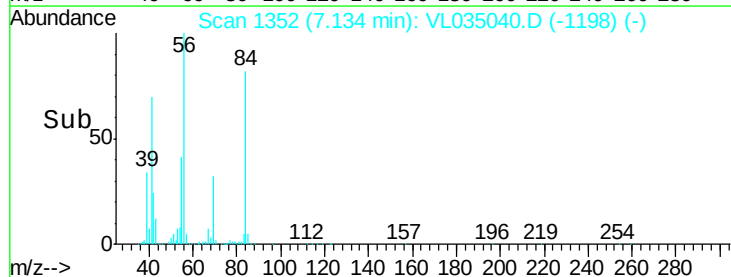
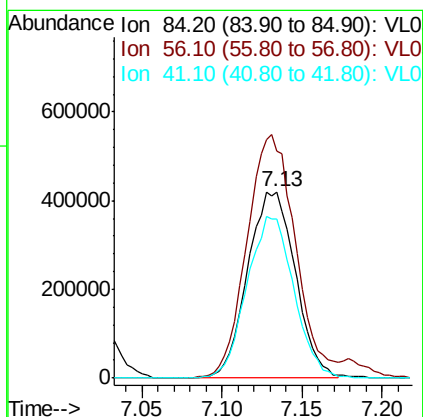
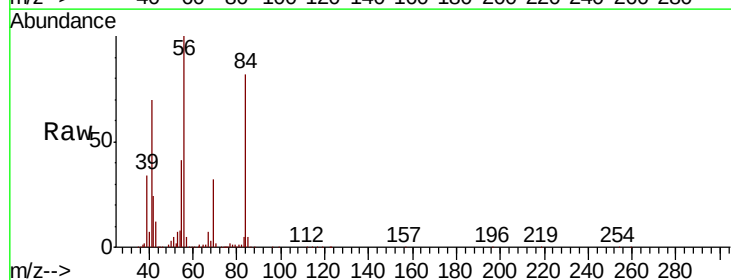
Instrument :
MSVOA_L
ClientSampleId :

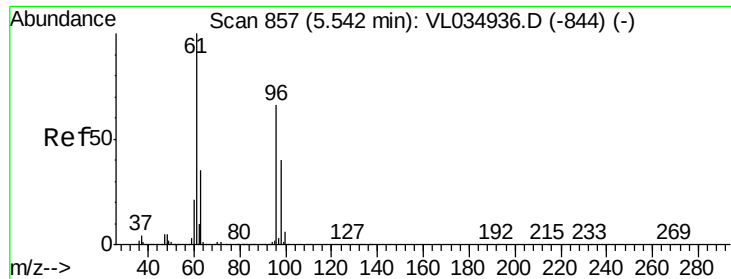
Tot Ion: 83 Resp: 1590919
Ion Ratio Lower Upper
83 100
85 63.7 53.0 79.6



#30
Cyclohexane
Concen: 10.452 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 84 Resp: 858435
Ion Ratio Lower Upper
84 100
56 139.2 111.4 167.2
41 85.6 66.7 100.1



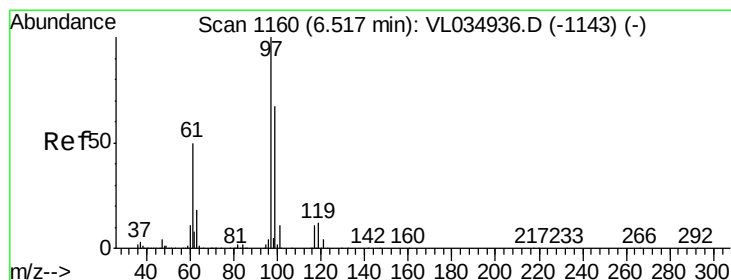
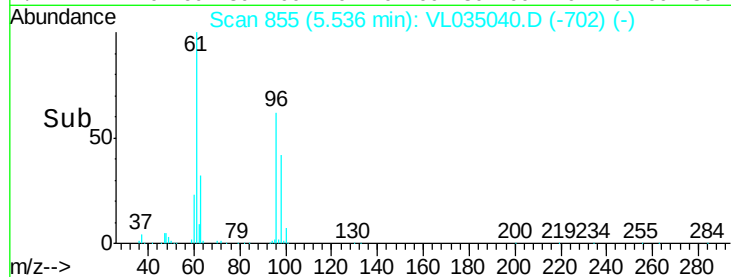
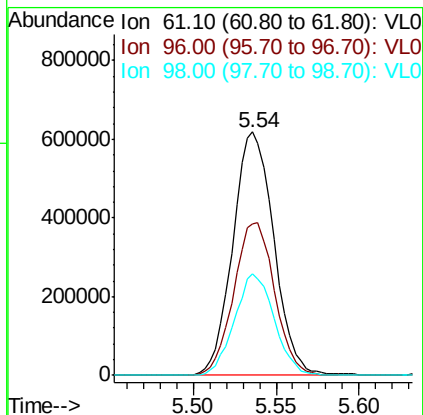
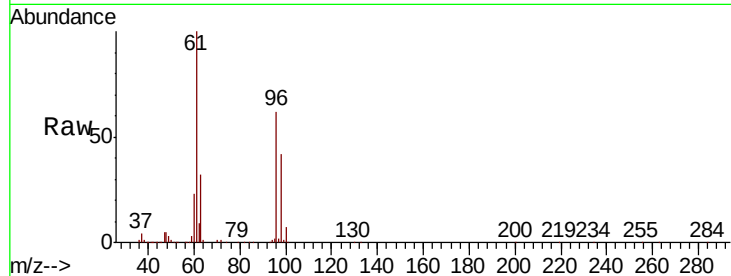


#31

cis-1,2-Dichloroethene
 Concen: 10.235 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampled :

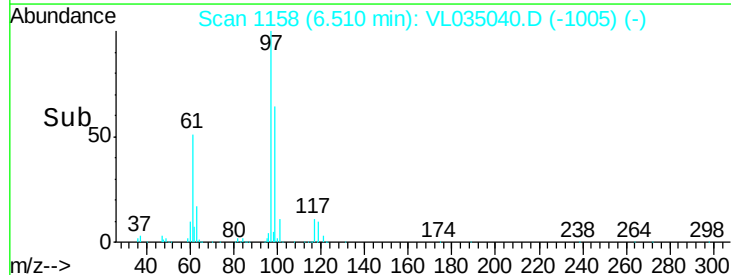
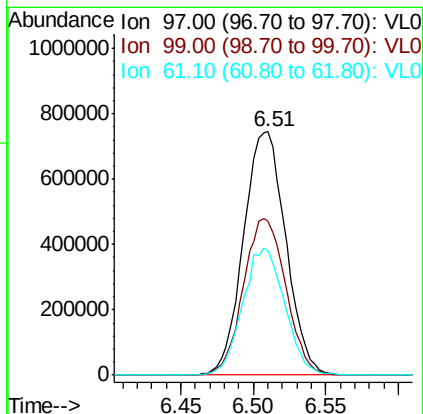
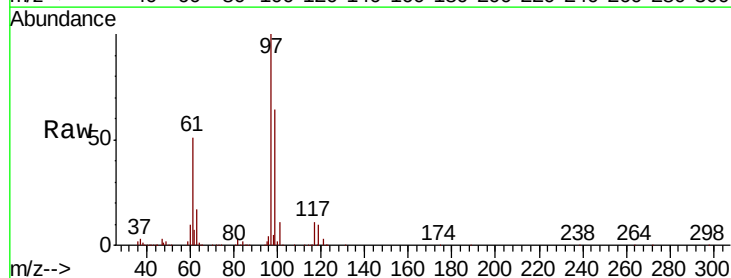
Tot Ion: 61 Resp: 1062794
 Ion Ratio Lower Upper
 61 100
 96 62.3 53.0 79.6
 98 41.9 32.2 48.2

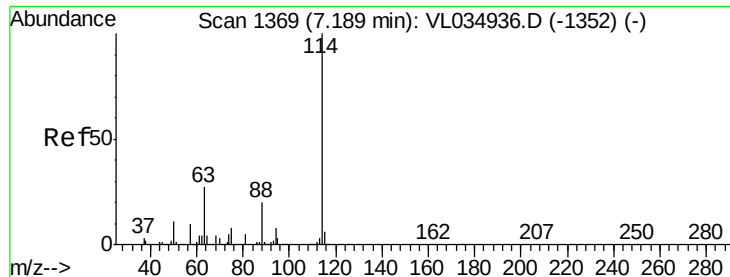


#32

1,1,1-Trichloroethane
 Concen: 9.633 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 97 Resp: 1514828
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.1 78.1
 61 52.0 41.8 62.8

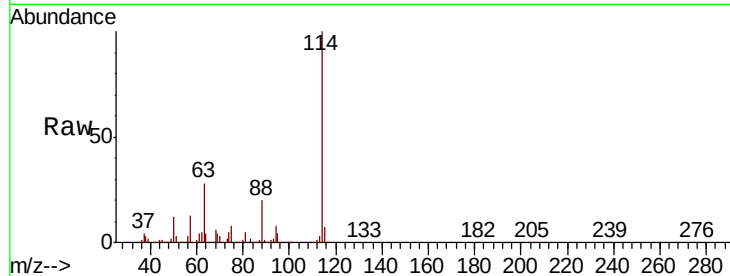




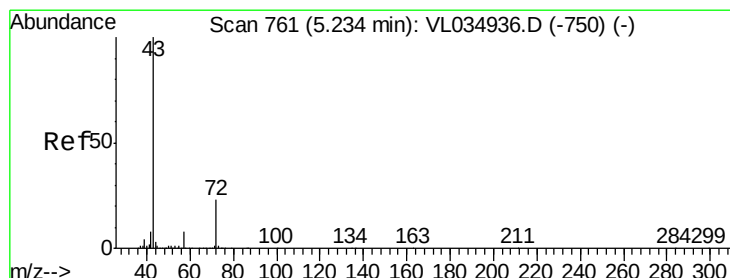
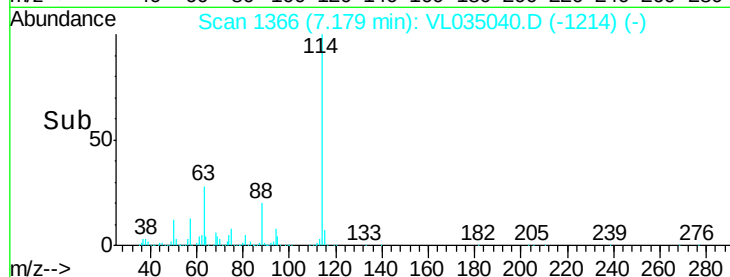
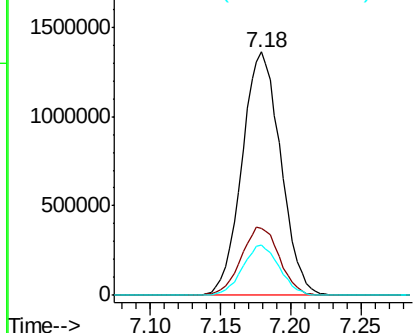
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2613638
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.2 33.4
 88 19.8 15.5 23.3

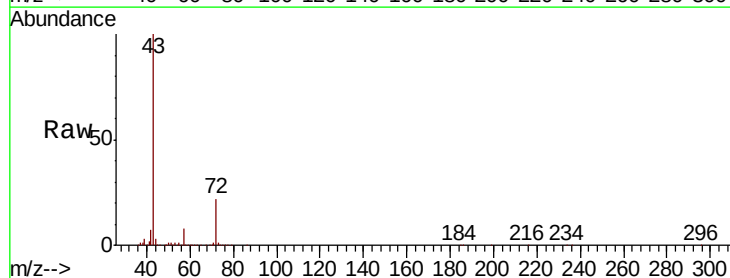


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

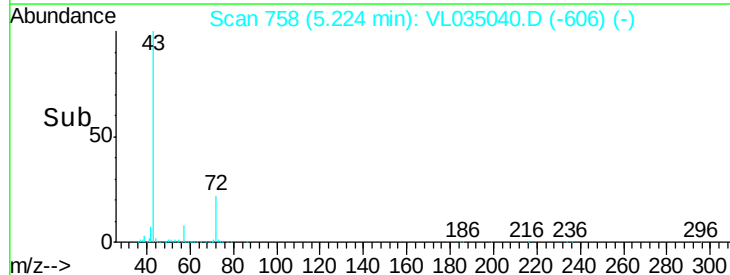
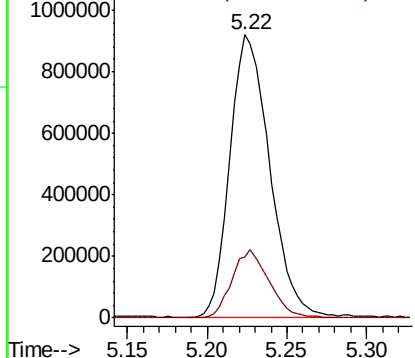


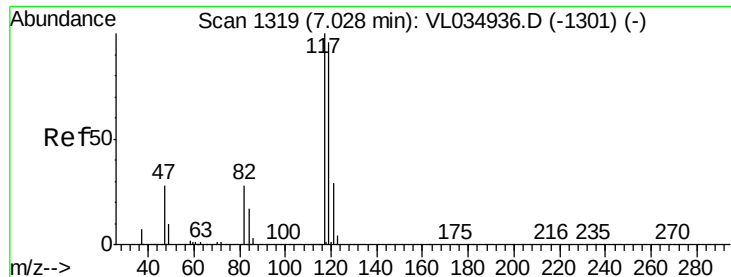
#34
 2-Butanone
 Concen: 9.577 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 43 Resp: 1555640
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.0 27.0



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





#35

Carbon Tetrachloride

Concen: 9.314 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

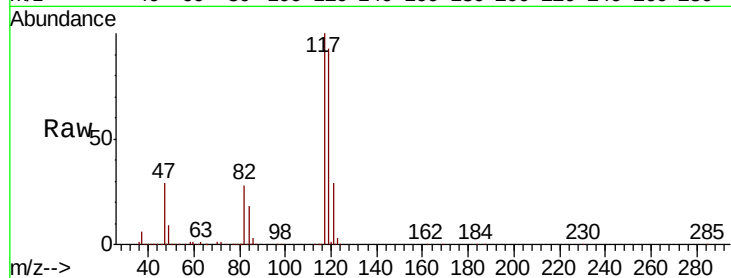
Tot Ion:117 Resp: 1536463

Ion Ratio Lower Upper

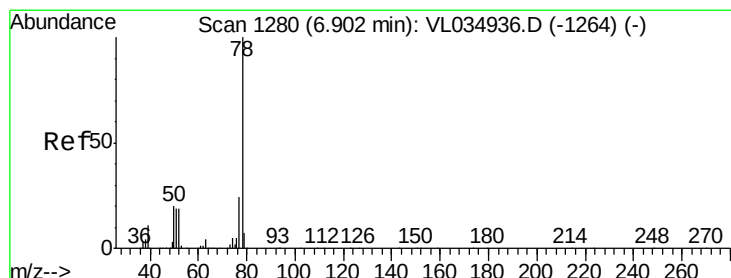
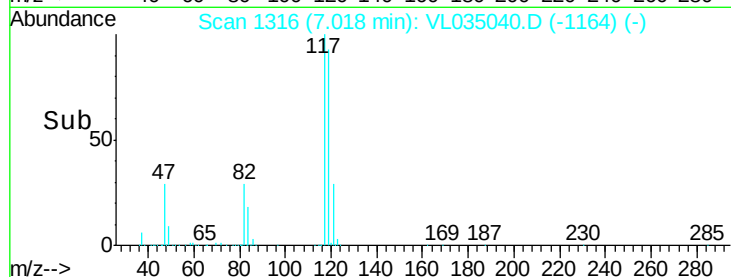
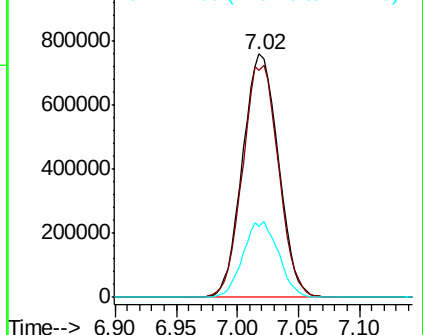
117 100

119 93.4 77.0 115.6

121 29.2 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.662 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

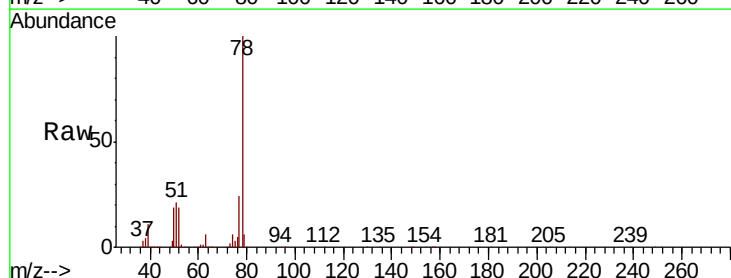
Tgt Ion: 78 Resp: 2081949

Ion Ratio Lower Upper

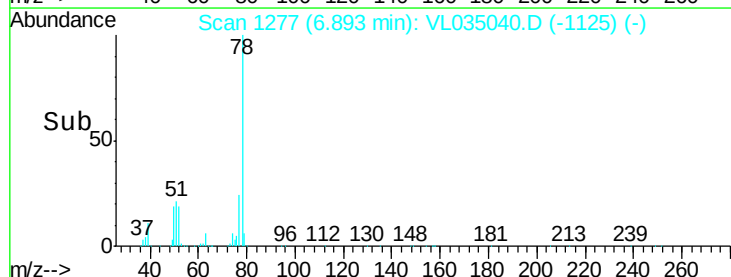
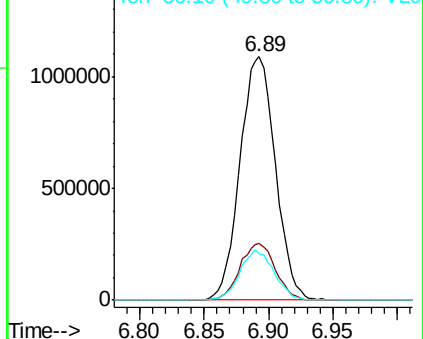
78 100

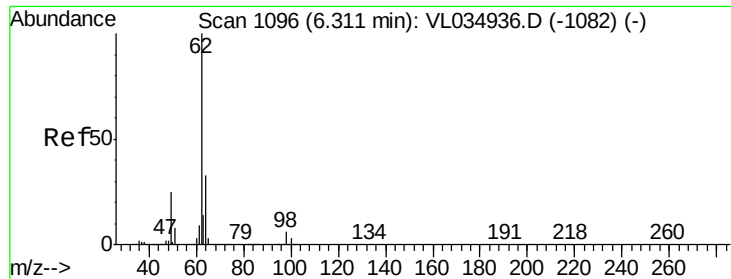
77 23.5 19.0 28.6

50 19.2 15.8 23.8



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

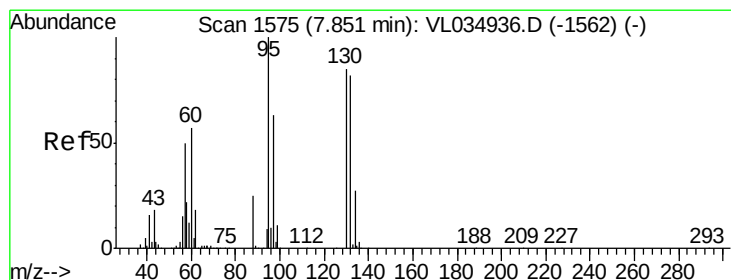
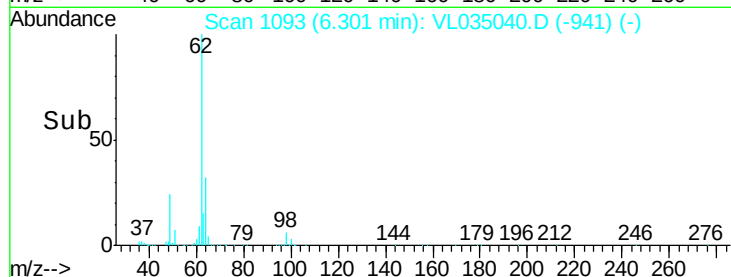
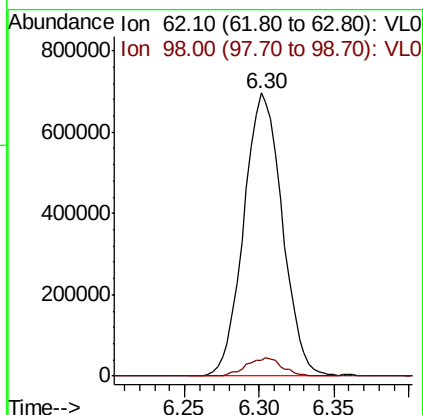
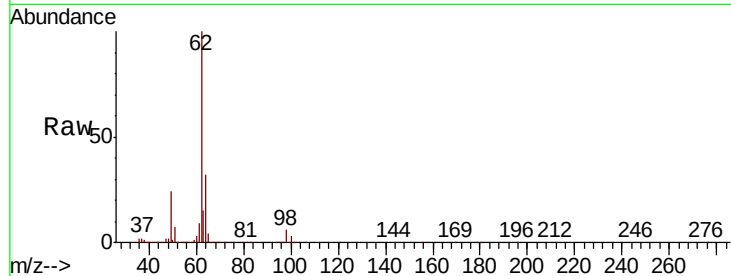




#37
 1,2-Dichloroethane
 Concen: 9.385 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

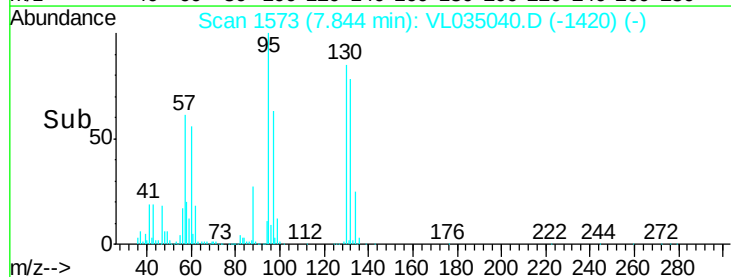
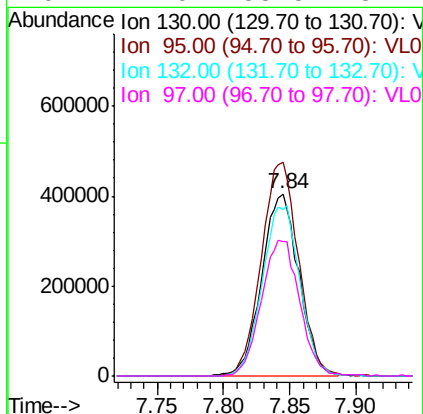
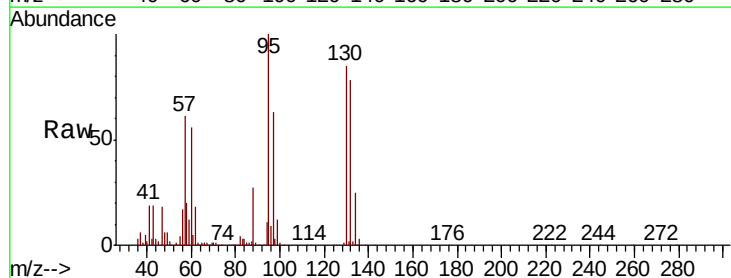
Instrument :
 MSVOA_L
 ClientSampleId :

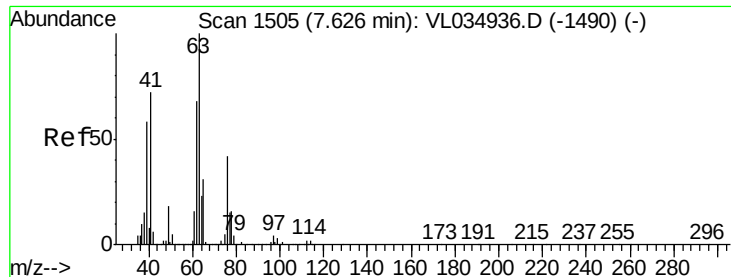
Tot Ion: 62 Resp: 1247508
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.8 7.2



#38
 Trichloroethene
 Concen: 9.493 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 130 Resp: 792461
 Ion Ratio Lower Upper
 130 100
 95 117.4 93.4 140.0
 132 91.8 76.4 114.6
 97 74.0 58.5 87.7





#39

1,2-Dichloropropane

Concen: 9.641 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

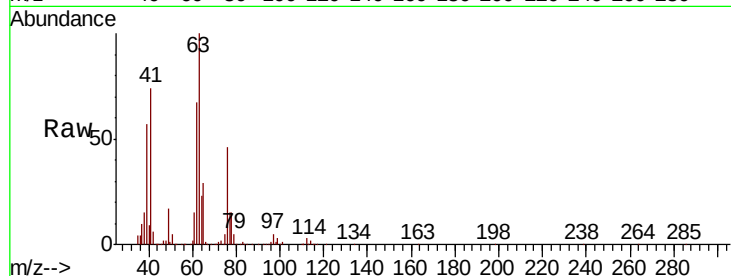
Tot Ion: 63 Resp: 832832

Ion Ratio Lower Upper

63 100

41 74.0 57.8 86.8

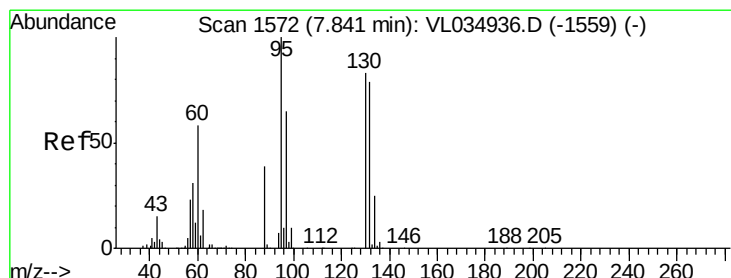
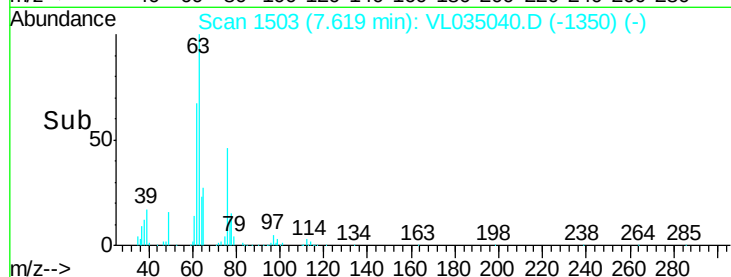
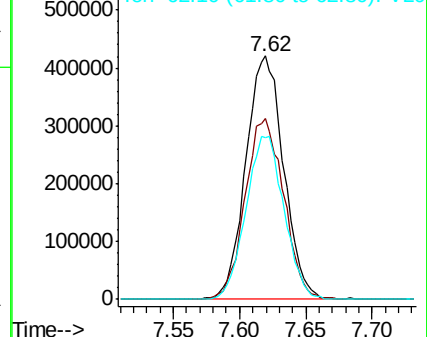
62 66.4 54.2 81.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.055 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion: 88 Resp: 317932

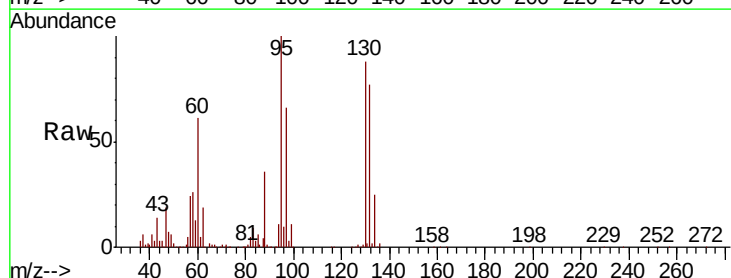
Ion Ratio Lower Upper

88 100

58 129.4 105.1 157.7

43 256.4 202.6 303.8

57 1125.9 869.4 1304.0

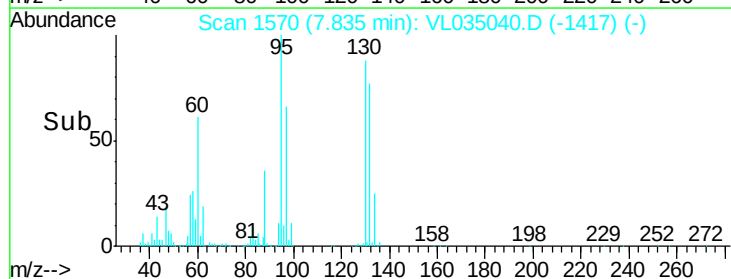
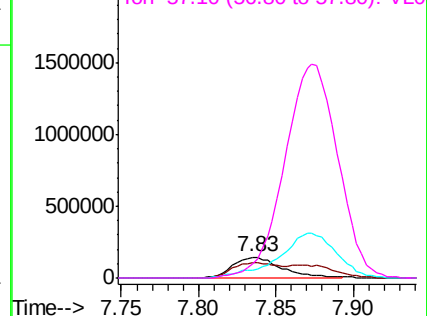


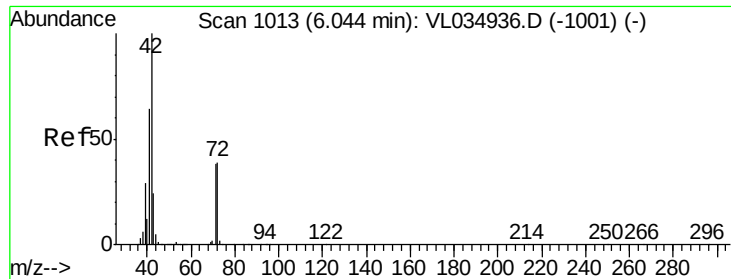
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

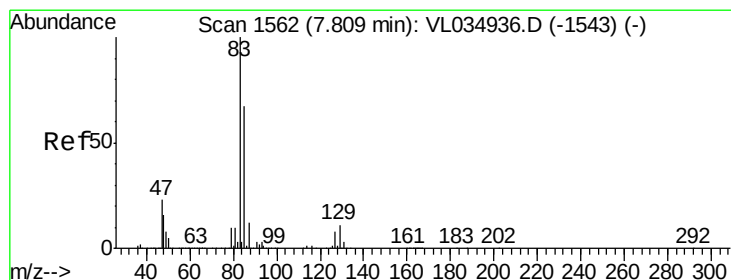
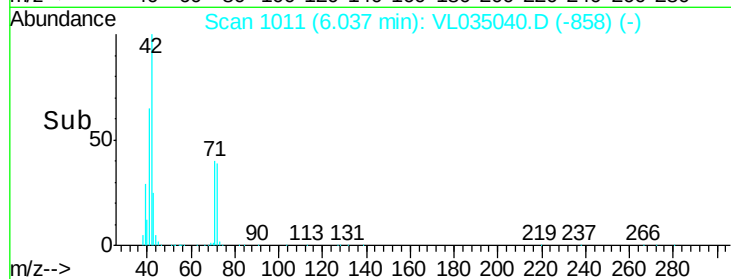
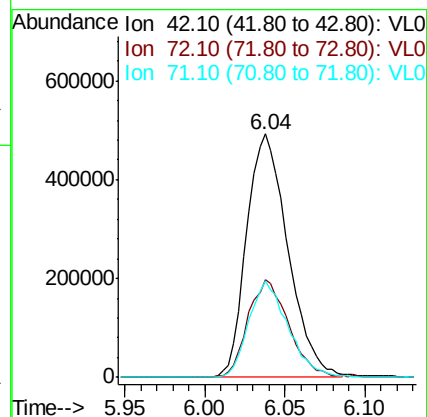
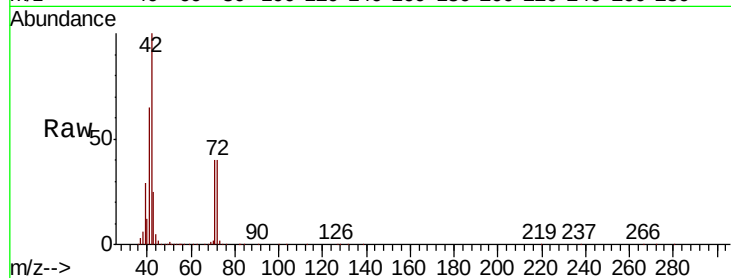




#41
Tetrahydrofuran
Concen: 10.152 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

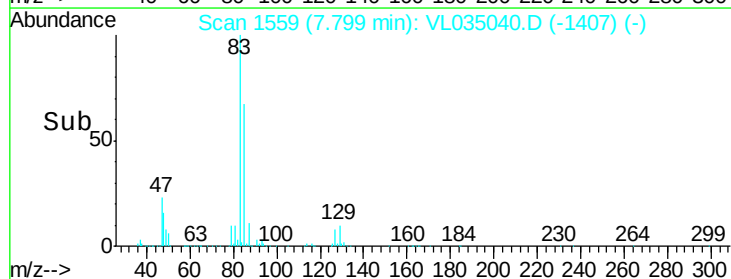
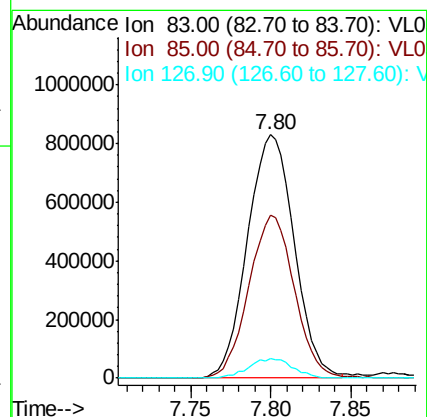
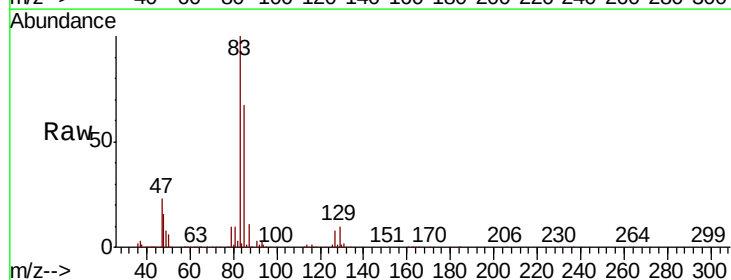
Instrument :
MSVOA_L
ClientSampleId :

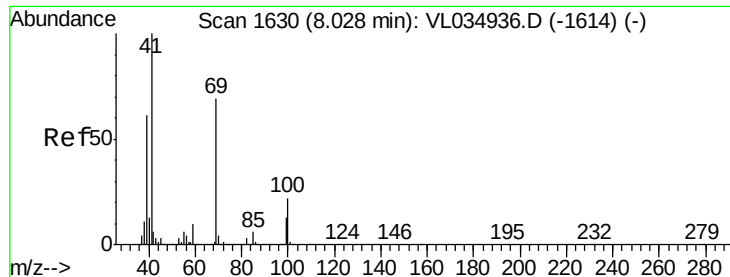
Tot Ion: 42 Resp: 868268
Ion Ratio Lower Upper
42 100
72 39.8 31.4 47.0
71 37.9 29.8 44.8



#42
Bromodichloromethane
Concen: 9.259 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 83 Resp: 1659899
Ion Ratio Lower Upper
83 100
85 67.1 53.4 80.0
127 8.0 6.1 9.1





#43

Methyl Methacrylate

Concen: 10.388 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

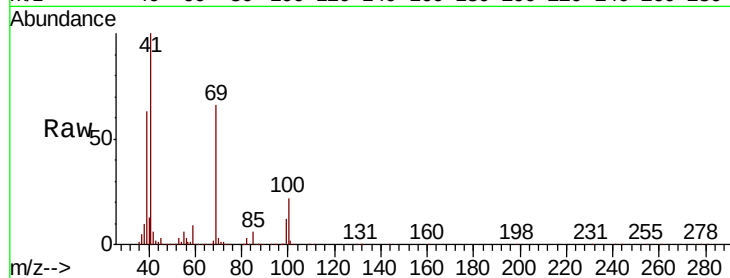
Tot Ion: 69 Resp: 945176

Ion Ratio Lower Upper

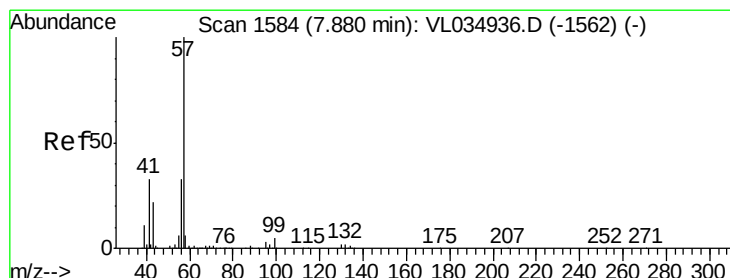
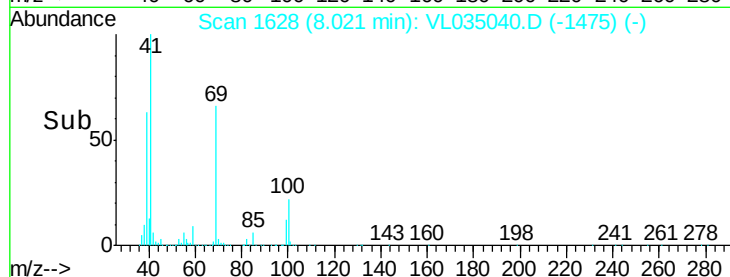
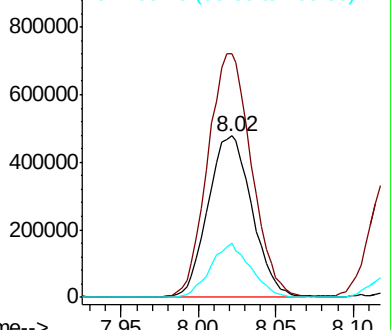
69 100

41 150.2 119.8 179.6

100 31.0 25.0 37.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.316 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

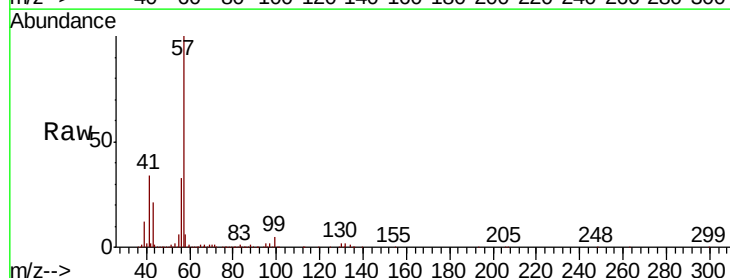
Tgt Ion: 57 Resp: 3569119

Ion Ratio Lower Upper

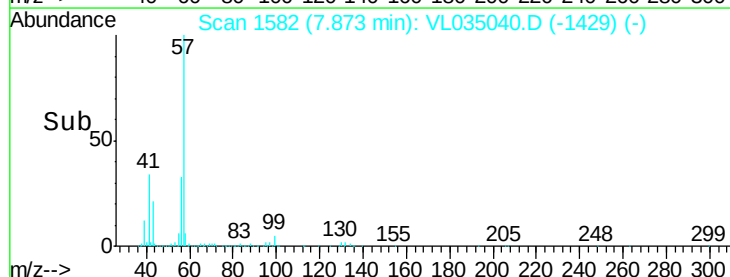
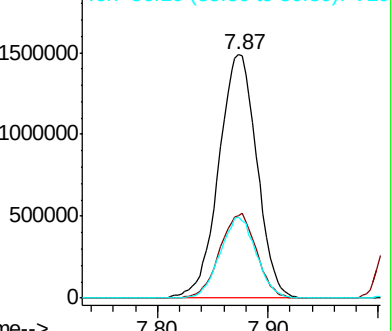
57 100

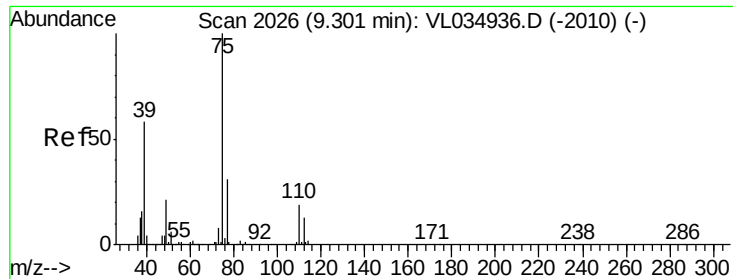
41 33.4 26.4 39.6

56 31.6 25.5 38.3



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

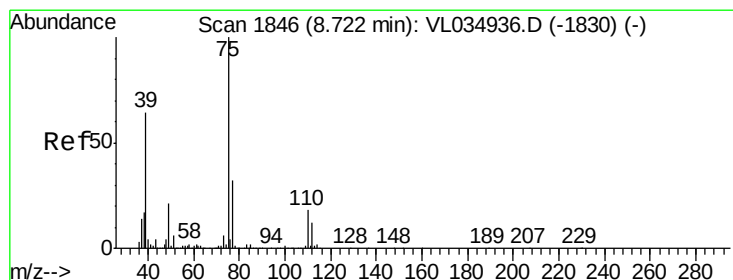
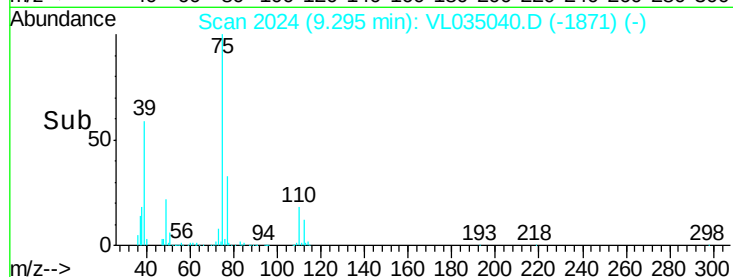
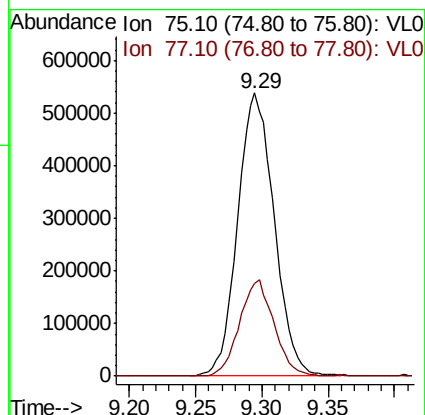
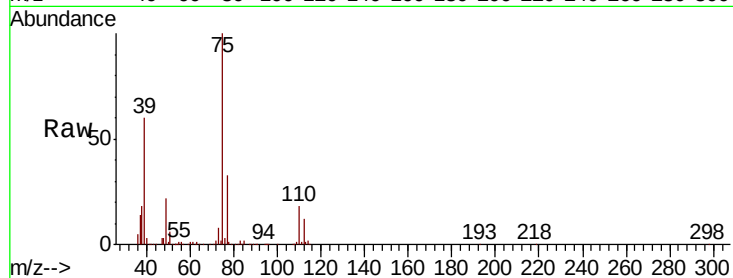




#45
 t-1,3-Dichloropropene
 Concen: 11.219 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

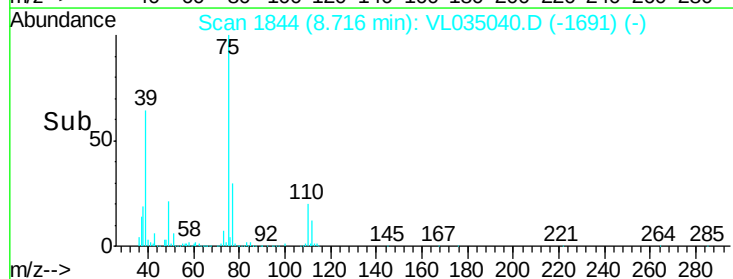
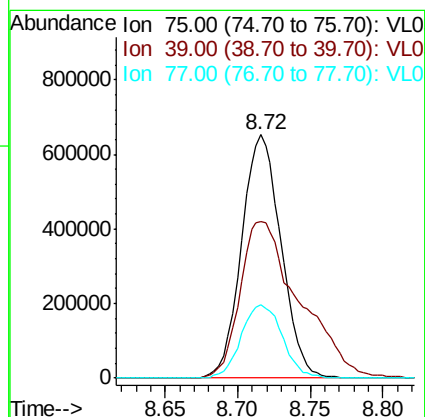
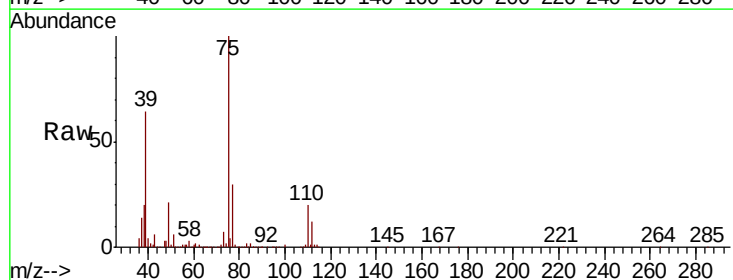
Instrument :
 MSVOA_L
 ClientSampled :

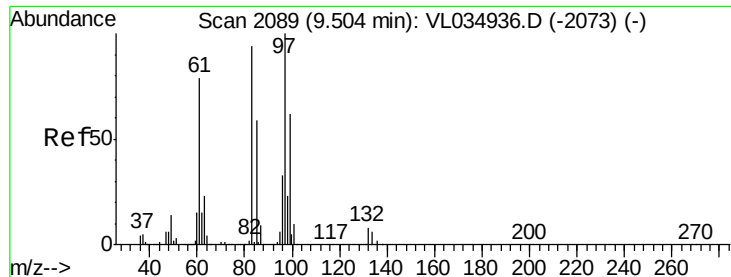
Tot Ion: 75 Resp: 1030156
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.9 37.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.924 ppbv
 RT: 8.72 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 75 Resp: 1231528
 Ion Ratio Lower Upper
 75 100
 39 64.1 51.5 77.3
 77 30.0 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.198 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 838474

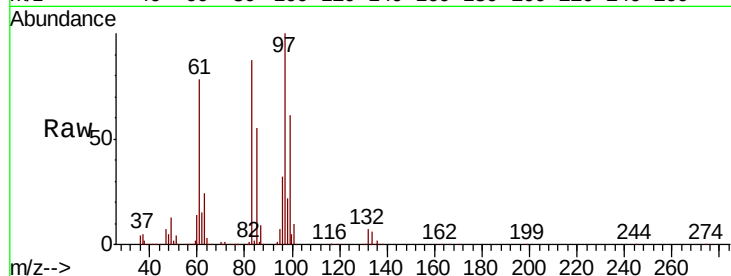
Ion Ratio Lower Upper

97 100

83 87.0 75.6 113.4

85 55.0 47.0 70.6

99 61.2 49.4 74.2

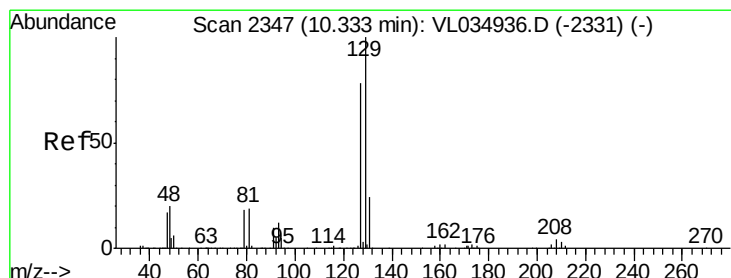
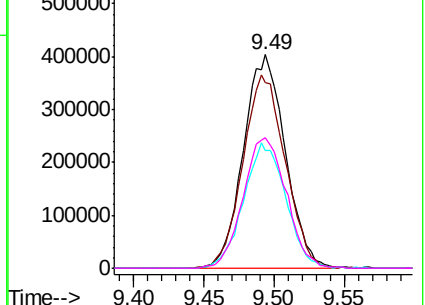
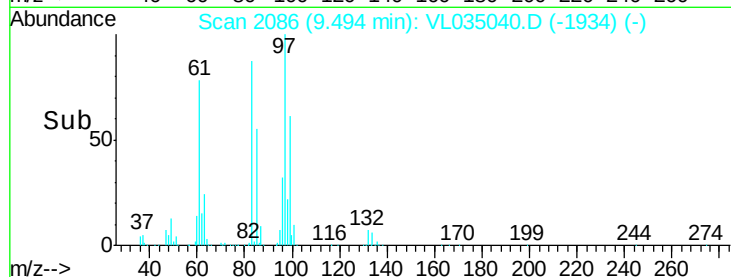


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.540 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. -0.01 min

Lab File: VL035040.D

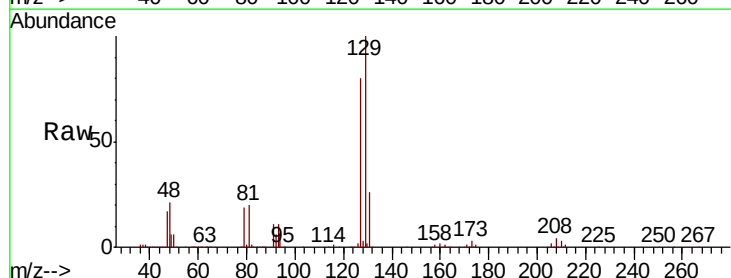
Acq: 15 May 2020 10:44

Tgt Ion: 129 Resp: 1337279

Ion Ratio Lower Upper

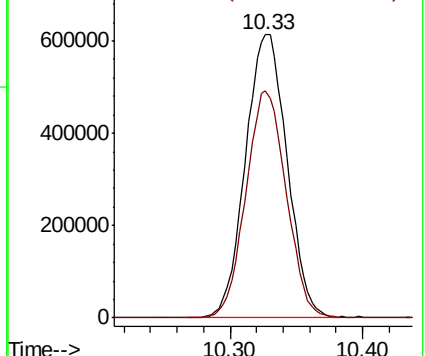
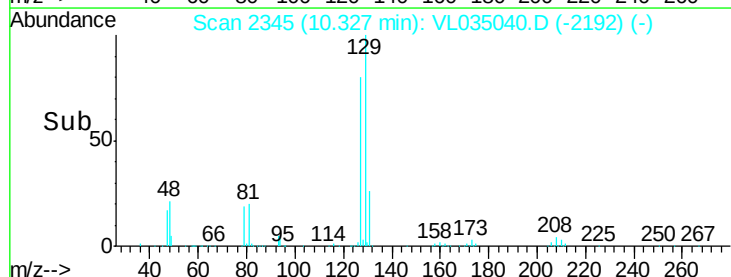
129 100

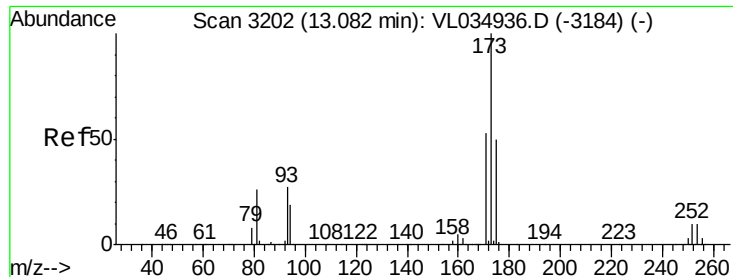
127 77.9 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.202 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

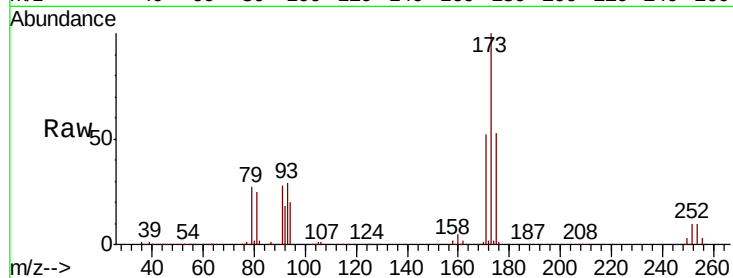
Tot Ion:173 Resp: 1109983

Ion Ratio Lower Upper

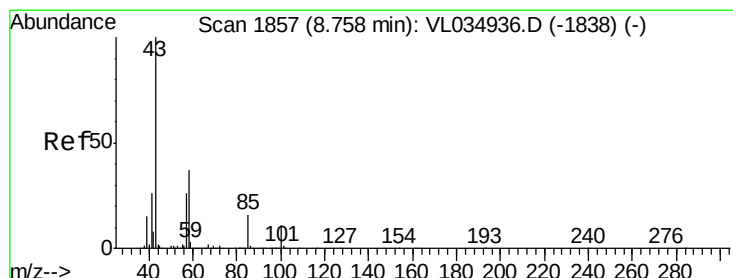
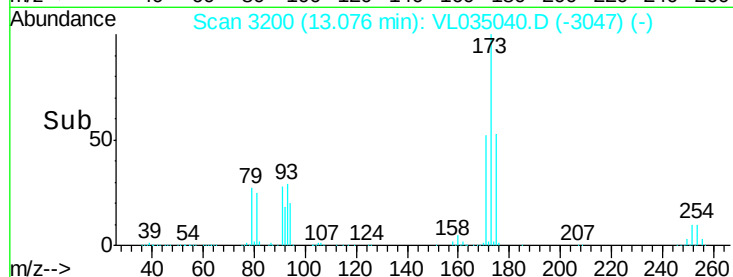
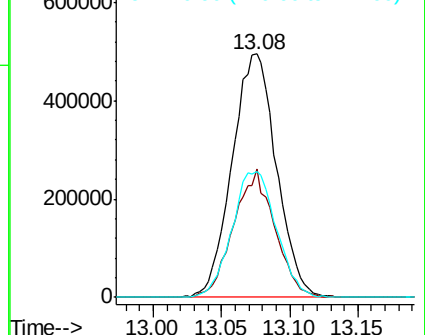
173 100

175 49.2 39.0 58.6

171 52.3 41.4 62.2



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: 9.940 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL035040.D

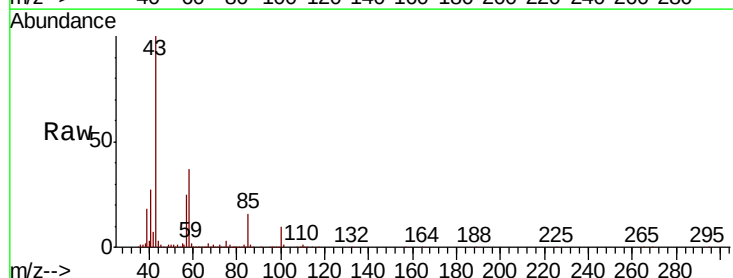
Acq: 15 May 2020 10:44

Tgt Ion: 43 Resp: 2302374

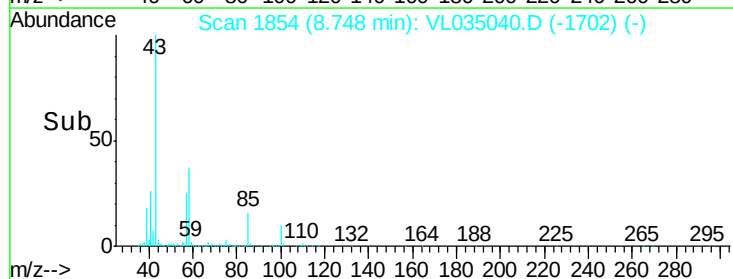
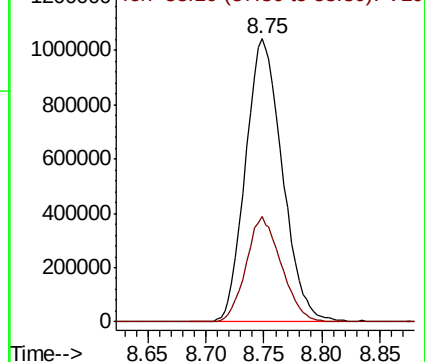
Ion Ratio Lower Upper

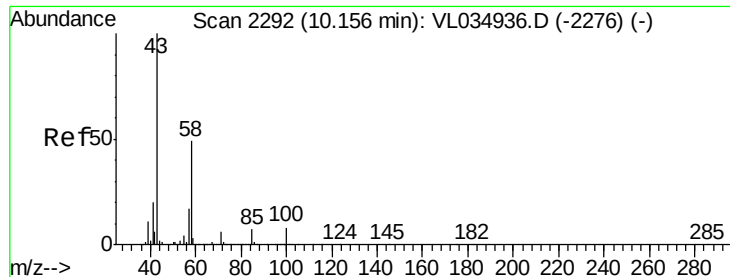
43 100

58 35.9 29.1 43.7



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





#51

2-Hexanone

Concen: 10.405 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampled :

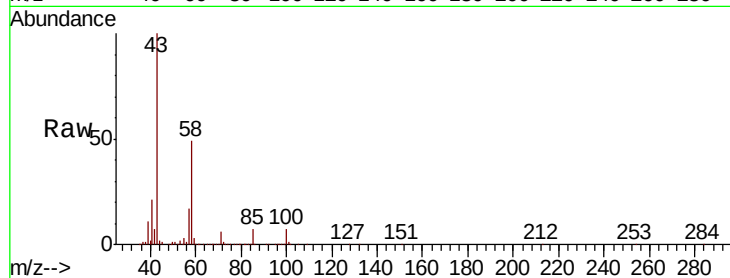
Tot Ion: 43 Resp: 1885088

Ion Ratio Lower Upper

43 100

58 48.3 39.1 58.7

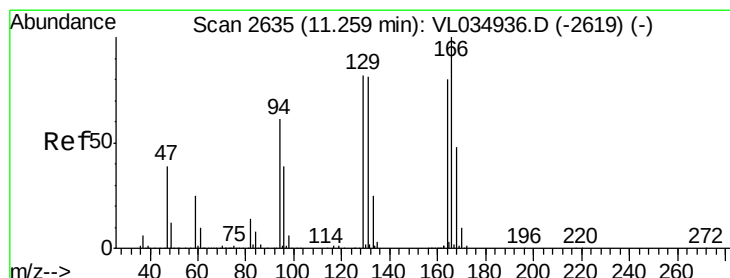
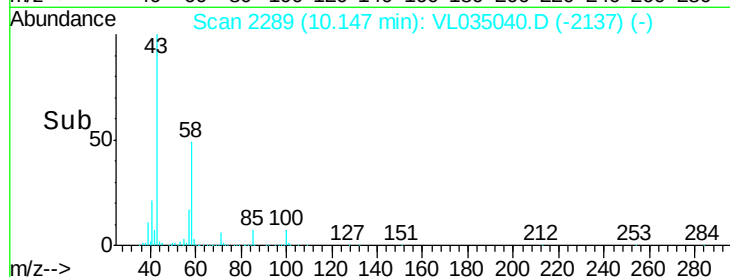
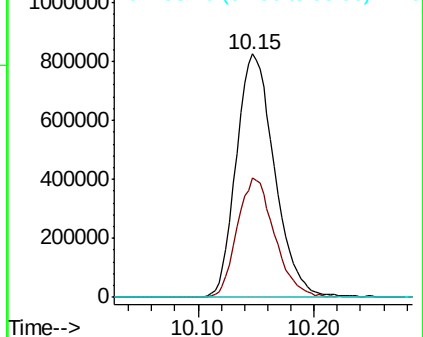
98 0.2 0.3 0.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.501 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion:164 Resp: 727979

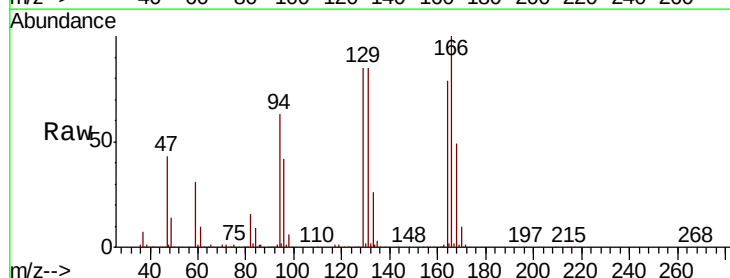
Ion Ratio Lower Upper

164 100

166 126.1 100.7 151.1

129 106.7 83.0 124.4

131 107.6 81.0 121.4

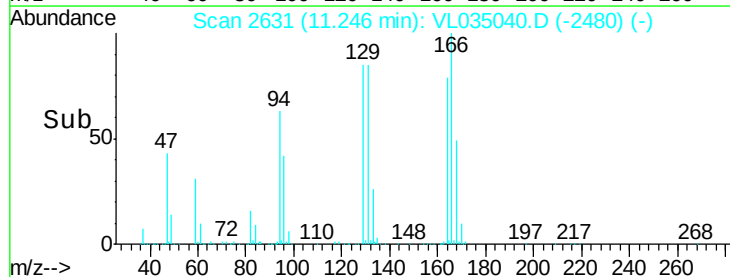
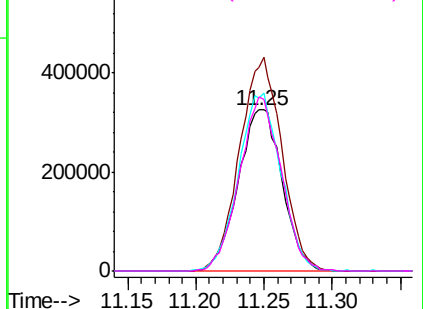


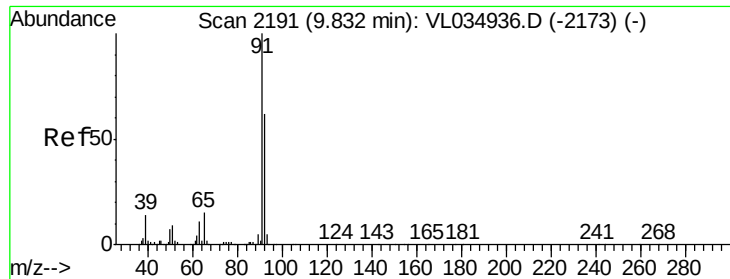
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.402 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

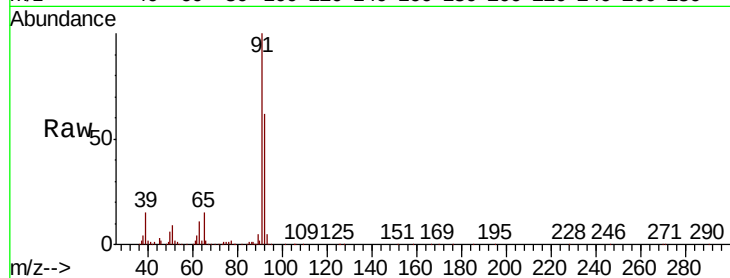
ClientSampleId :

Tot Ion: 91 Resp: 2376137

Ion Ratio Lower Upper

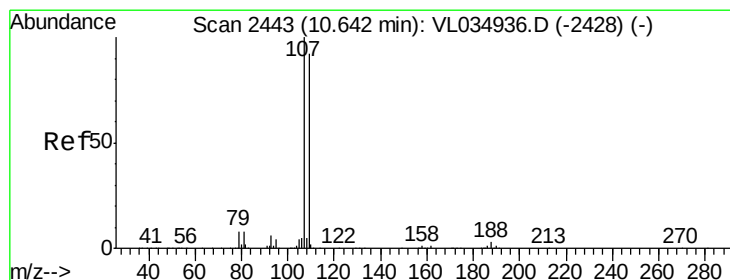
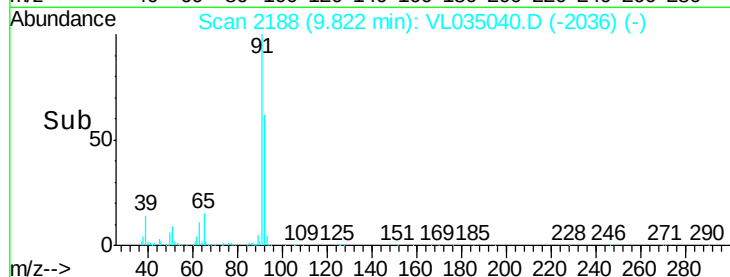
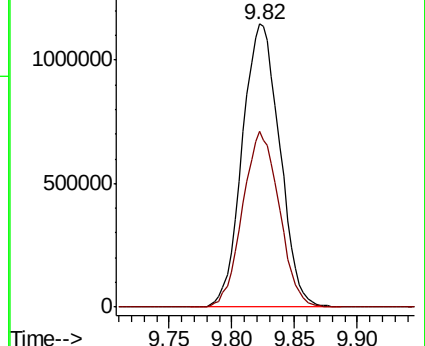
91 100

92 60.8 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.591 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL035040.D

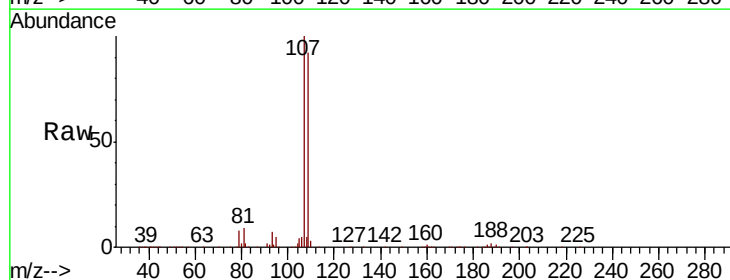
Acq: 15 May 2020 10:44

Tgt Ion: 107 Resp: 1283817

Ion Ratio Lower Upper

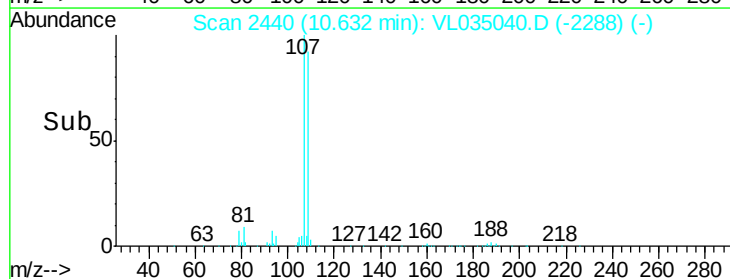
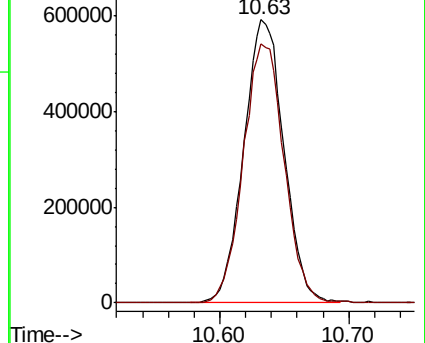
107 100

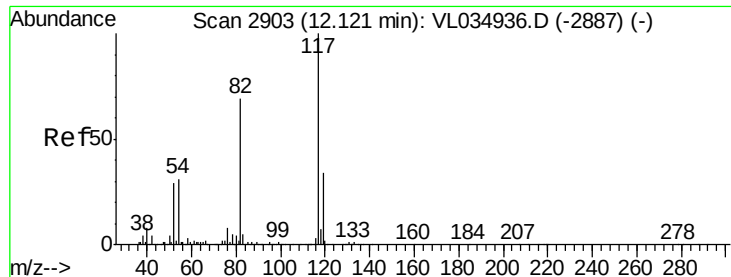
109 91.6 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

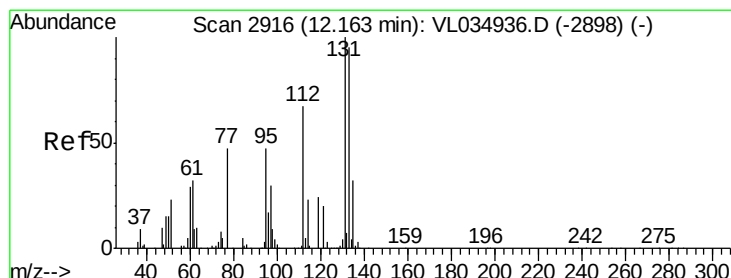
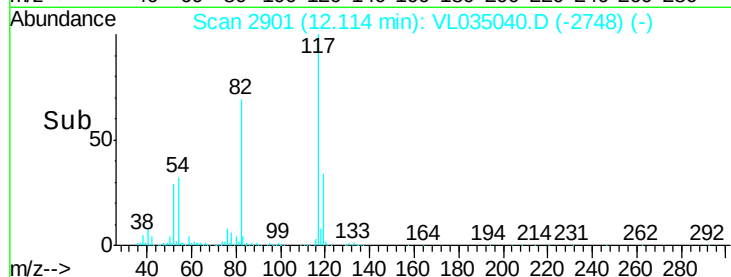
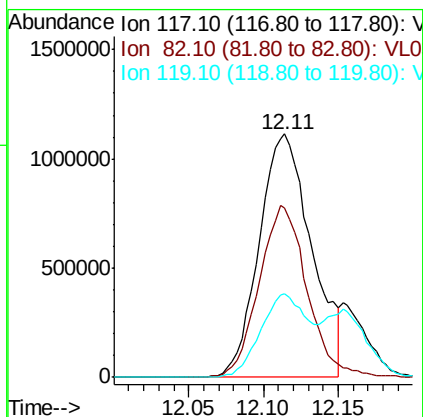
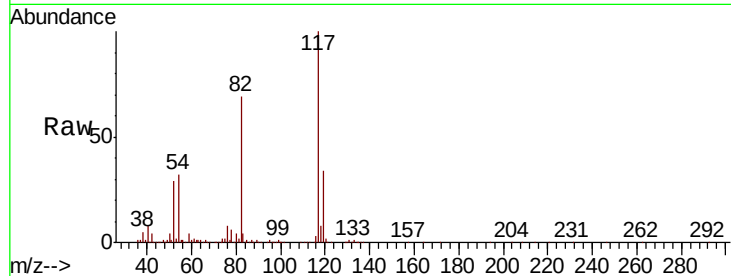




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

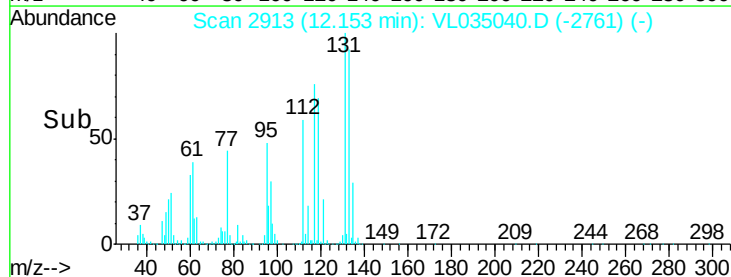
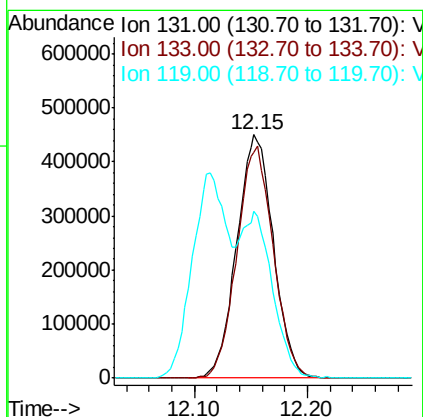
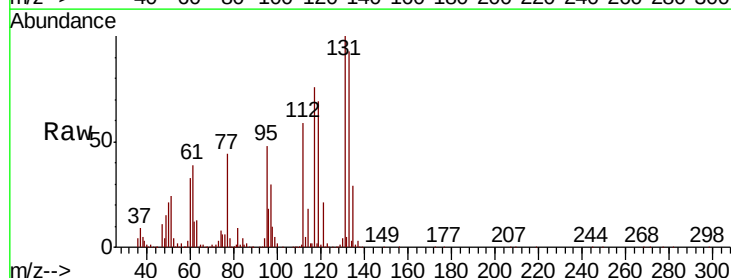
Instrument :
MSVOA_L
ClientSampled :

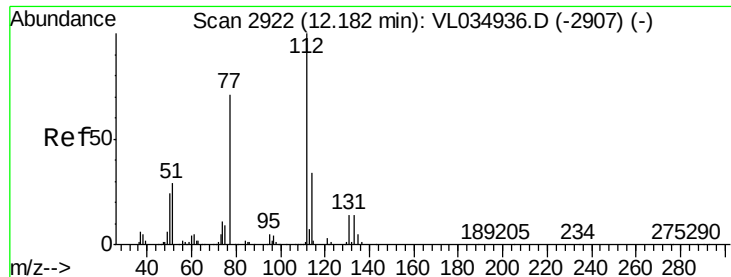
Tot Ion:117 Resp: 2718490
Ion Ratio Lower Upper
117 100
82 64.6 53.1 79.7
119 31.6 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 8.252 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion:131 Resp: 1011676
Ion Ratio Lower Upper
131 100
133 94.8 77.7 116.5
119 143.7 49.8 74.6#

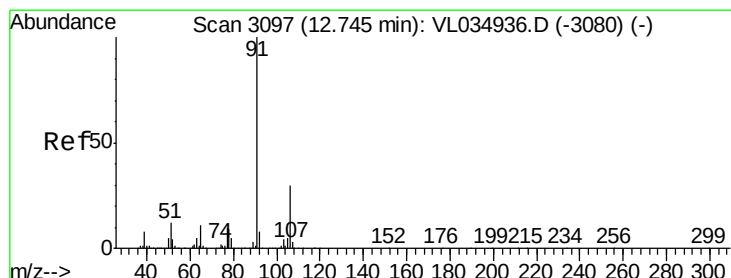
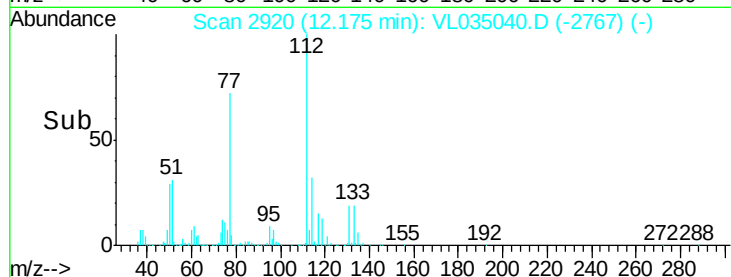
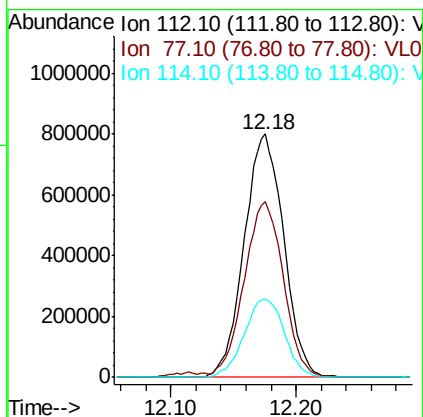
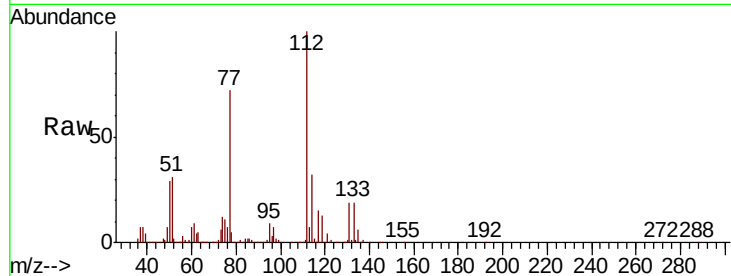




#57
Chlorobenzene
Concen: 8.138 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

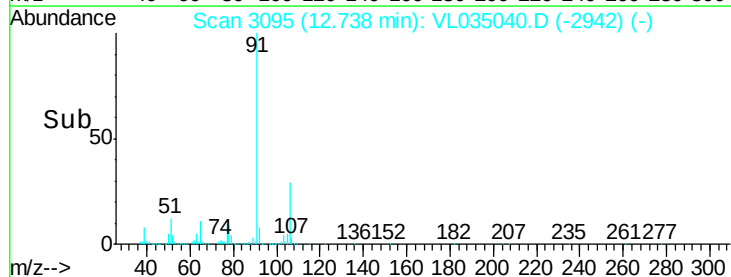
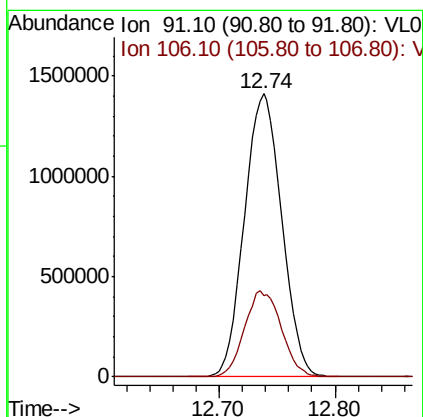
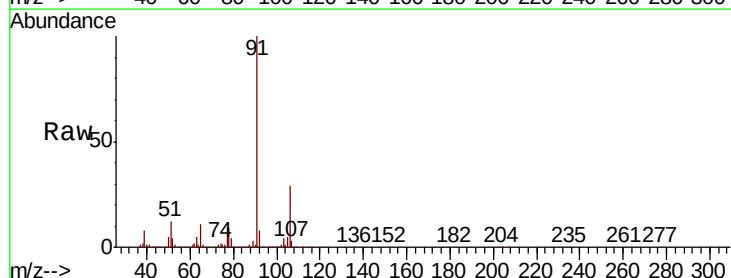
Instrument :
MSVOA_L
ClientSampled :

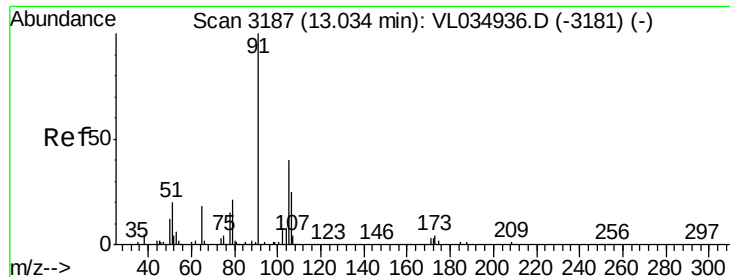
Tot Ion:112 Resp: 1752569
Ion Ratio Lower Upper
112 100
77 72.1 57.0 85.6
114 32.2 30.8 37.6



#58
Ethyl Benzene
Concen: 9.394 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 91 Resp: 3157774
Ion Ratio Lower Upper
91 100
106 28.8 24.2 36.4

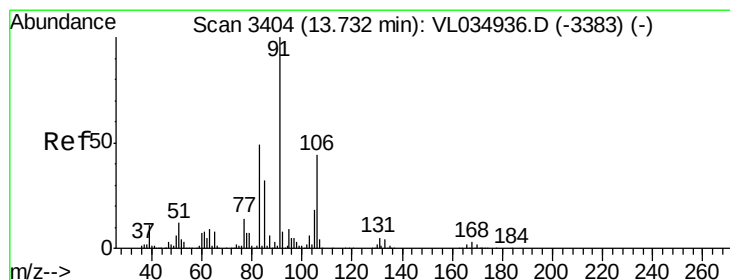
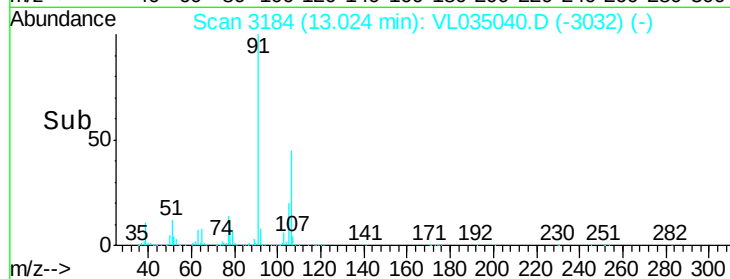
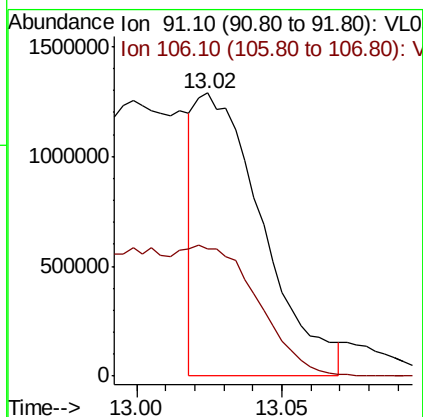
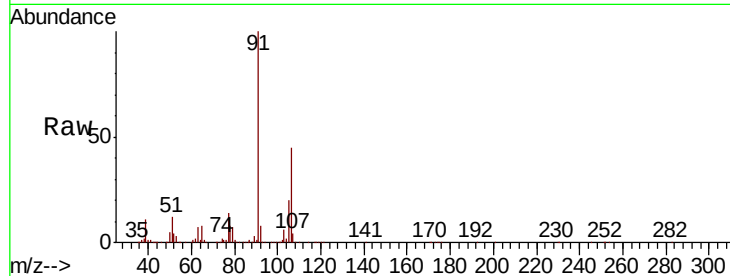




#59
m/p-Xylene
Concen: 6.961 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

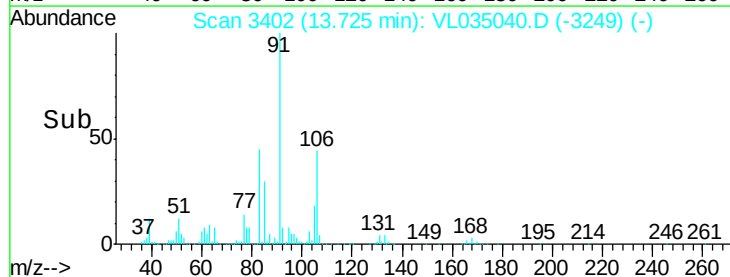
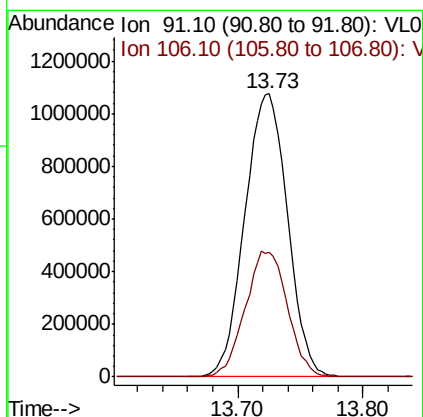
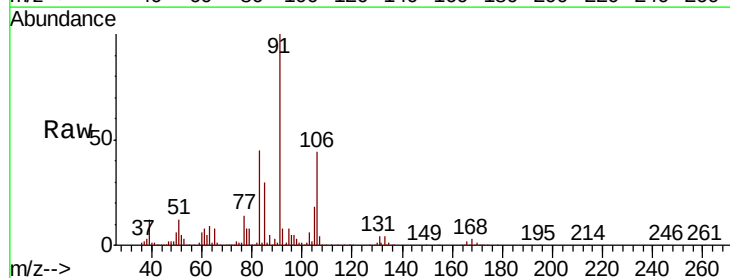
Instrument :
MSVOA_L
ClientSampled :

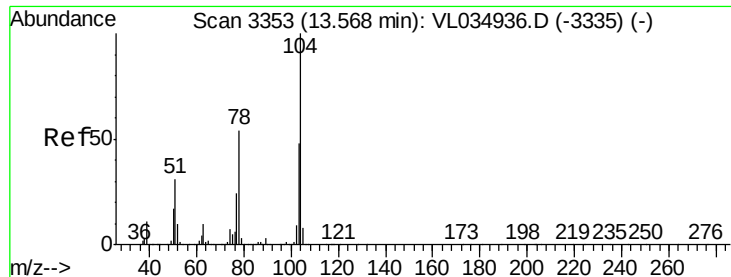
Tot Ion: 91 Resp: 2058926
Ion Ratio Lower Upper
91 100
106 114.1 66.0 99.0#



#60
o-Xylene
Concen: 8.736 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 91 Resp: 2549778
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.5



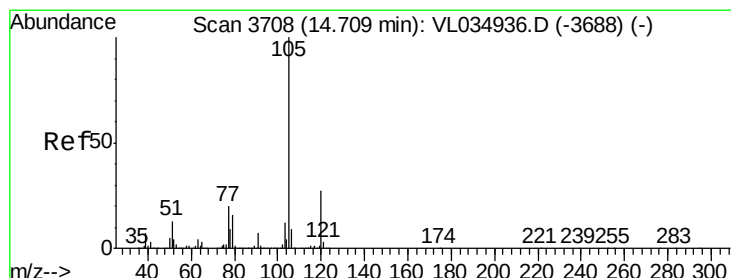
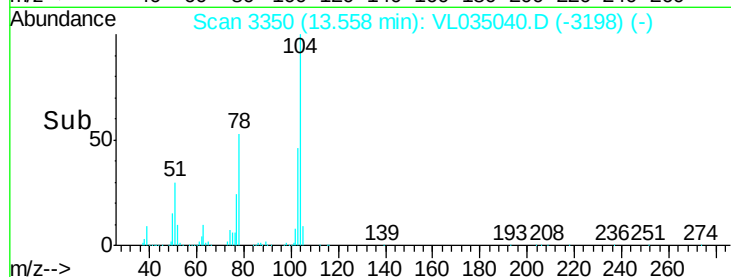
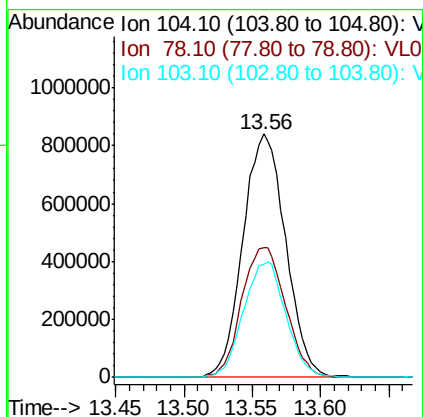
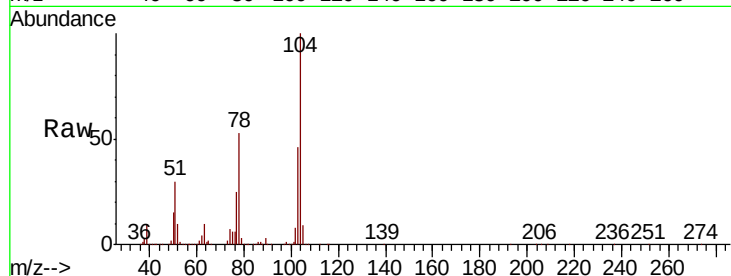


#61
Stvrene
Concen: 9.885 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:104 Resp: 1825787

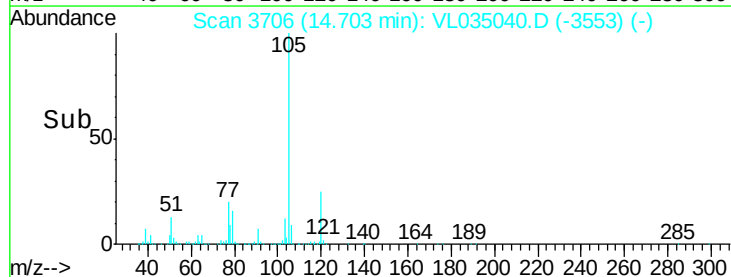
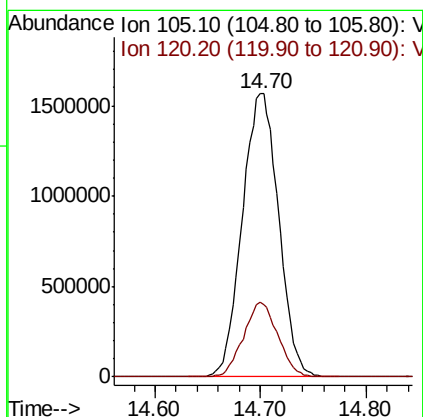
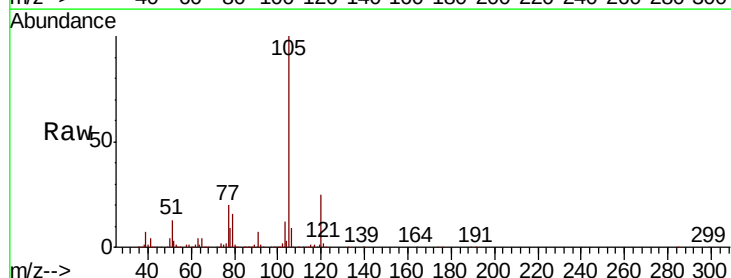
Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.7	65.5
103	47.0	38.8	58.2

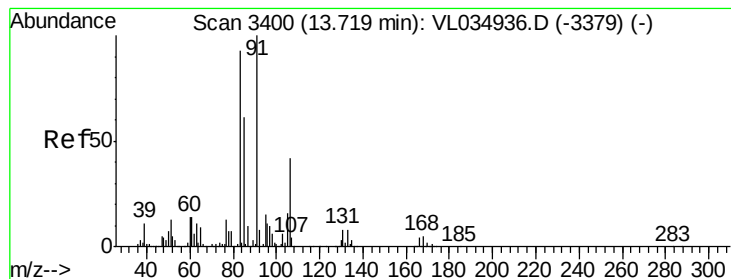


#62
Isopropylbenzene
Concen: 8.620 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion:105 Resp: 3756244

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.620 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

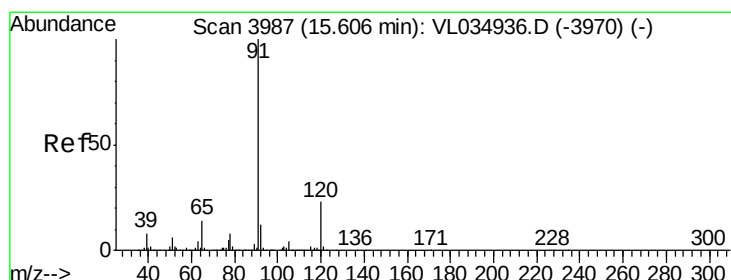
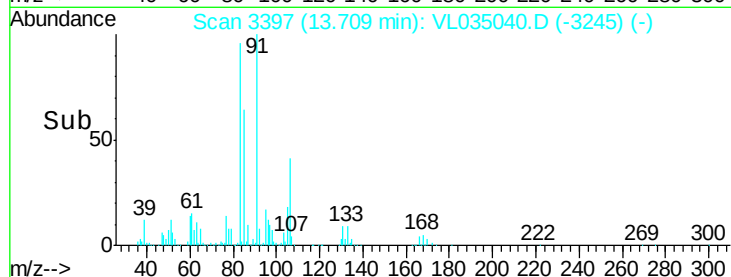
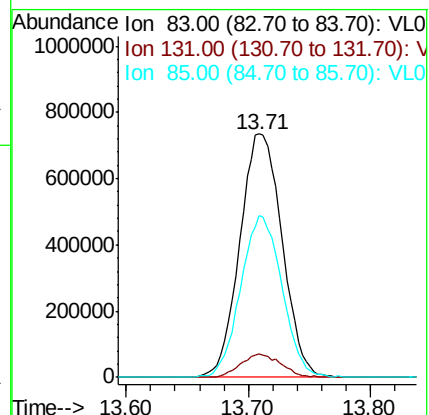
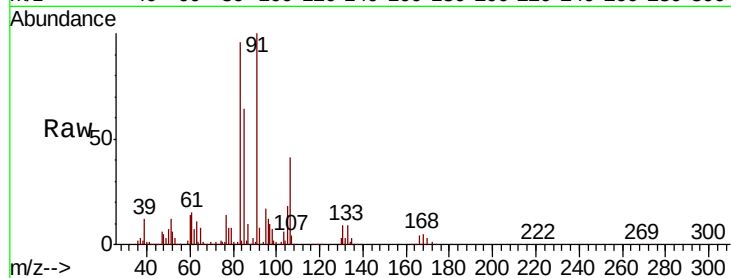
Tot Ion: 83 Resp: 1750638

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.2	32.5	97.4

83 100

131 9.2 4.7 14.0

85 65.2 32.5 97.4



#64

n-propylbenzene

Concen: 8.718 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. -0.01 min

Lab File: VL035040.D

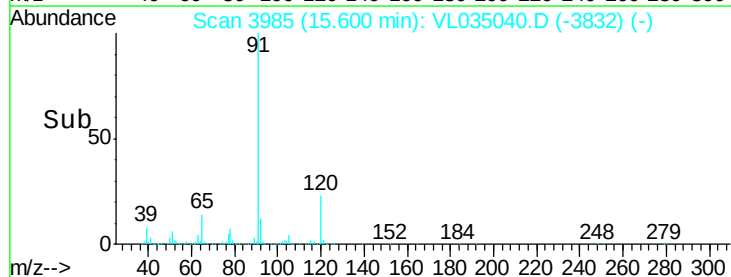
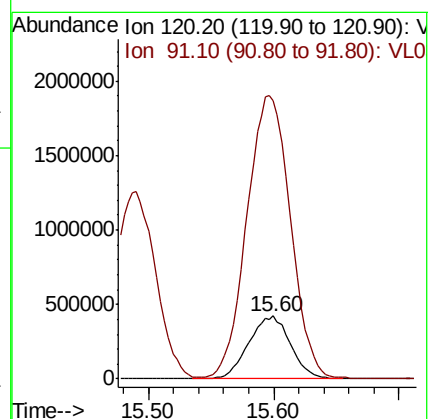
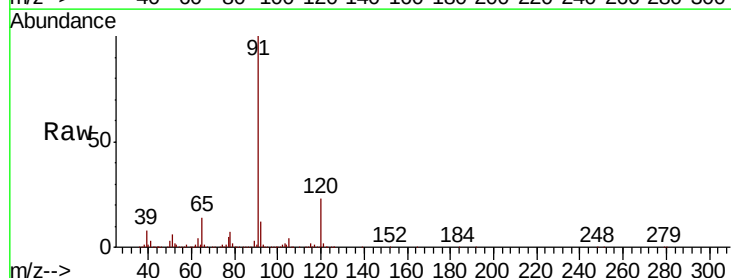
Acq: 15 May 2020 10:44

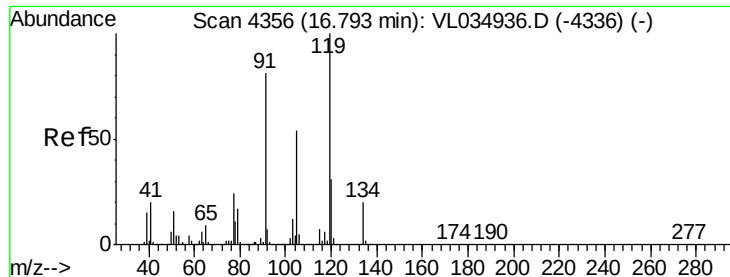
Tgt Ion: 120 Resp: 974405

Ion	Ratio	Lower	Upper
120	100		
91	472.7	373.5	560.3

120 100

91 472.7 373.5 560.3





#65

tert-Butylbenzene

Concen: 8.553 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

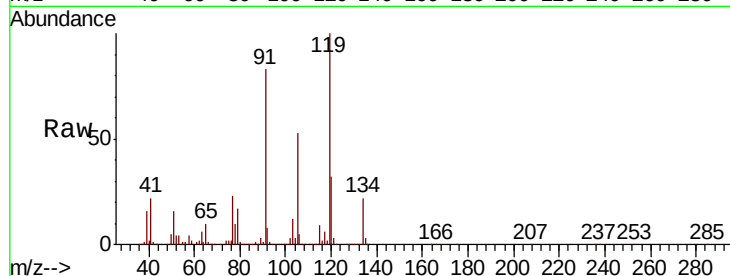
Tot Ion:119 Resp: 3232273

Ion Ratio Lower Upper

119 100

91 84.5 67.5 101.3

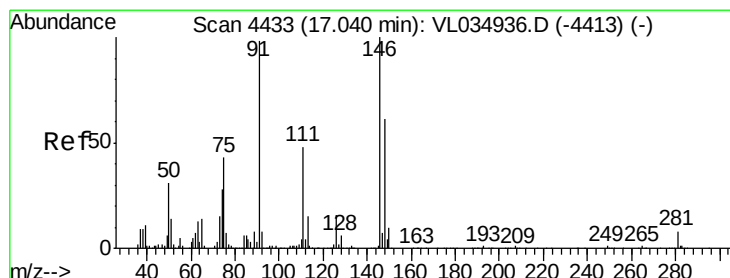
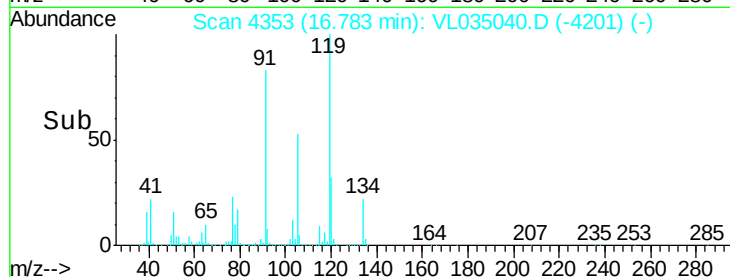
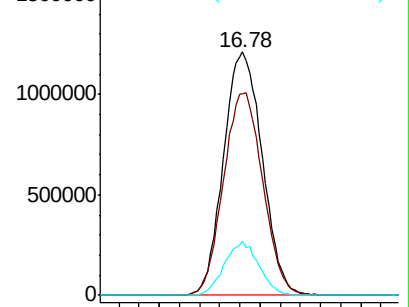
134 19.7 16.1 24.1



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: 9.080 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

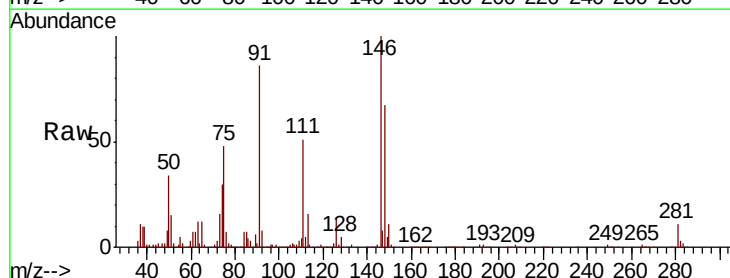
Tgt Ion: 91 Resp: 1165007

Ion Ratio Lower Upper

91 100

126 16.0 13.8 20.6

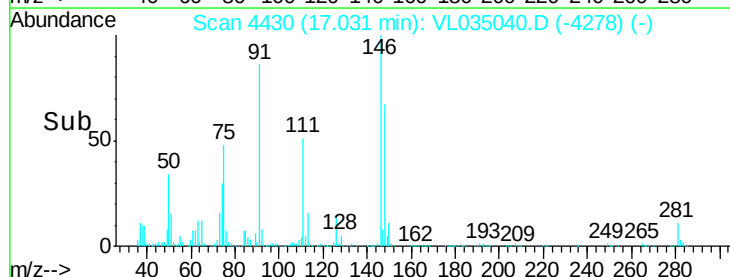
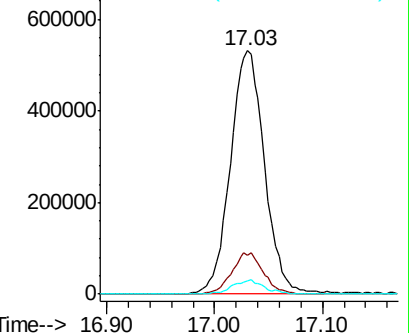
128 5.4 4.3 6.5

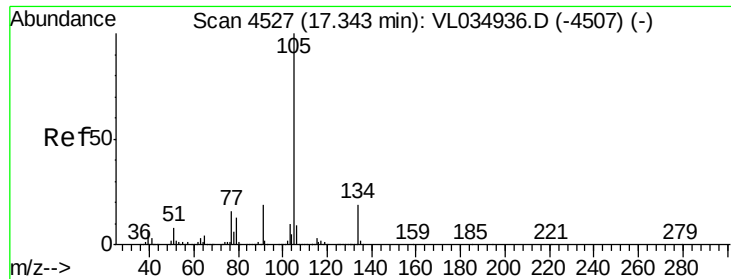


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.672 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

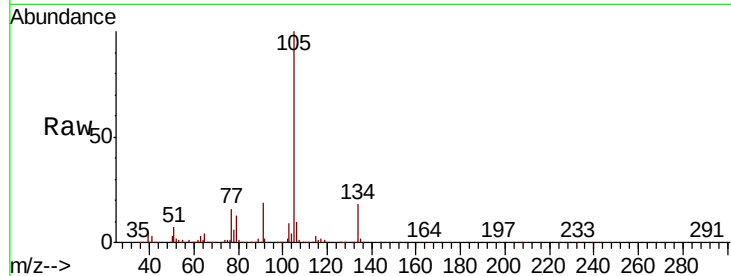
ClientSampleId :

Tot Ion:105 Resp: 4678380

Ion Ratio Lower Upper

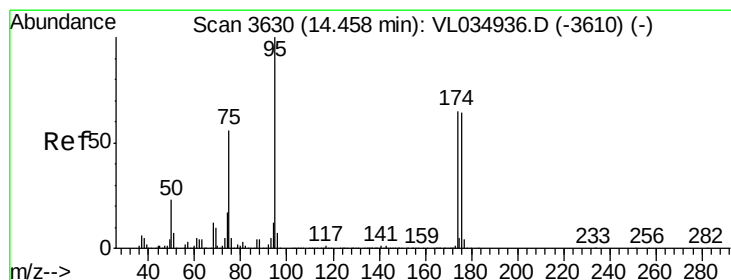
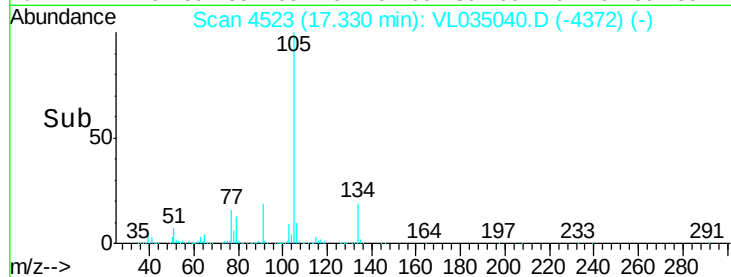
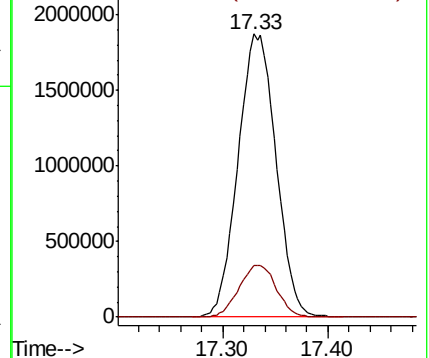
105 100

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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.630 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

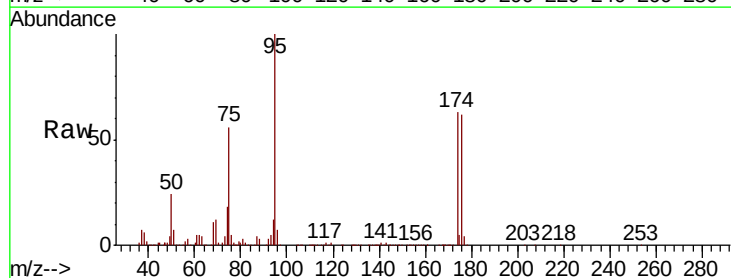
Tgt Ion: 95 Resp: 2119148

Ion Ratio Lower Upper

95 100

174 64.9 51.5 77.3

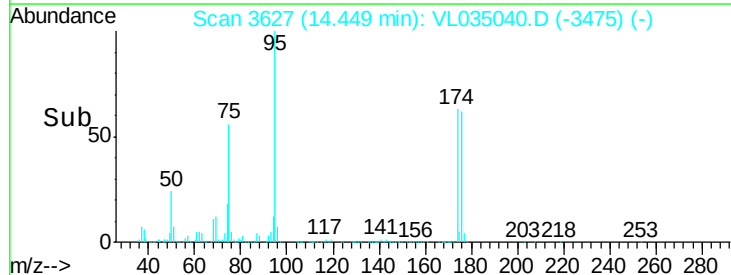
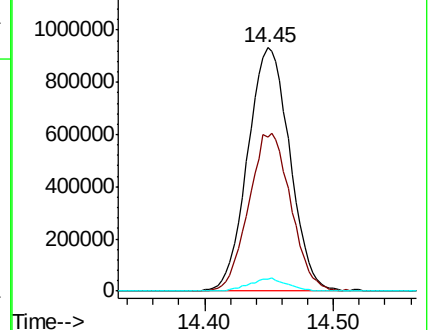
175 4.9 3.8 5.8

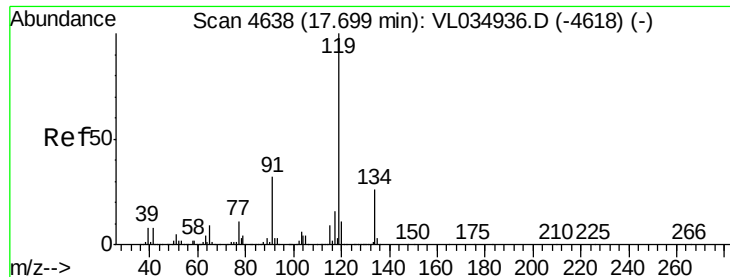


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.980 ppbv

RT: 17.69 min Scan# 4636

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

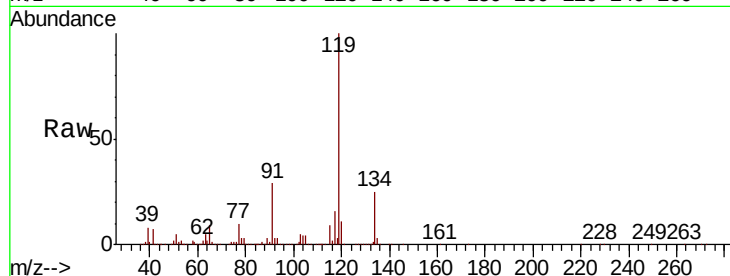
Tot Ion:119 Resp: 3919279

Ion Ratio Lower Upper

119 100

134 25.0 20.3 30.5

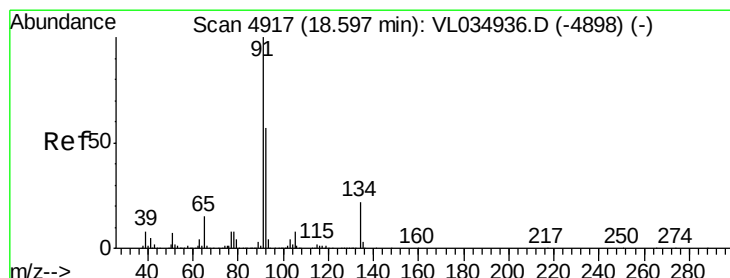
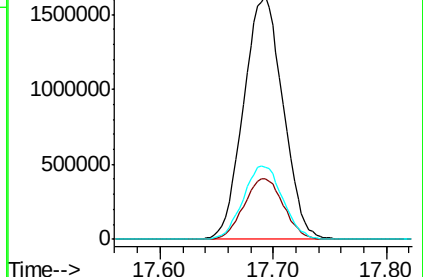
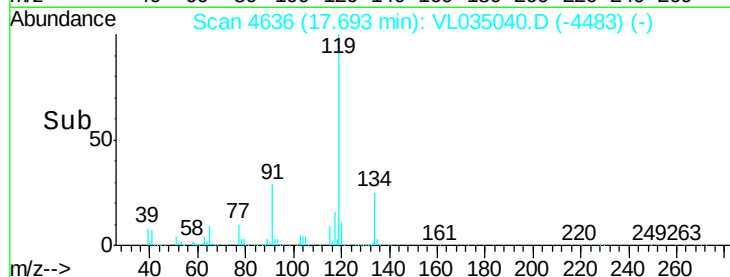
91 30.3 24.6 36.8



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.176 ppbv

RT: 18.59 min Scan# 4915

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

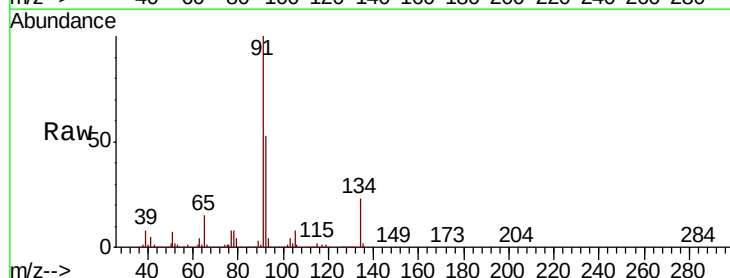
Tgt Ion: 91 Resp: 4262663

Ion Ratio Lower Upper

91 100

92 54.3 44.4 66.6

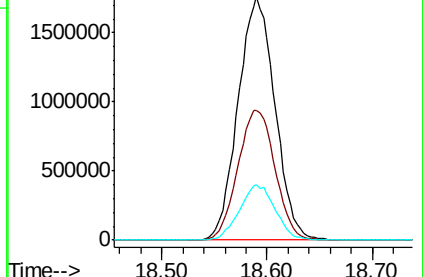
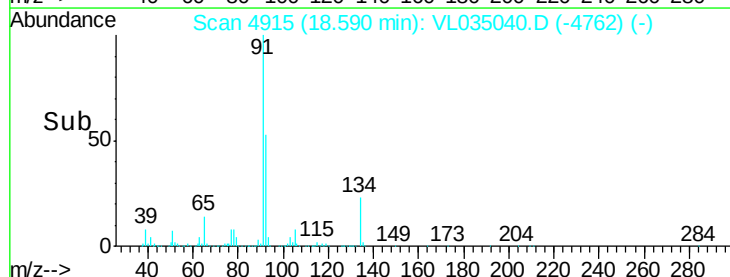
134 22.1 18.0 27.0

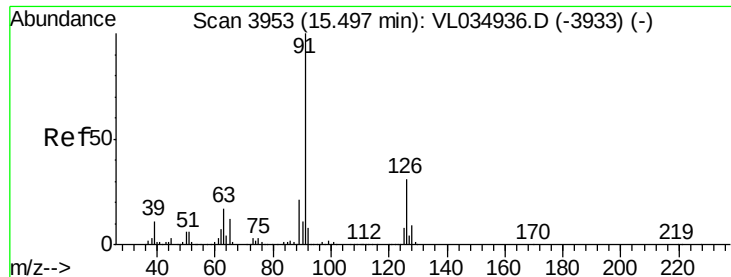


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.860 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

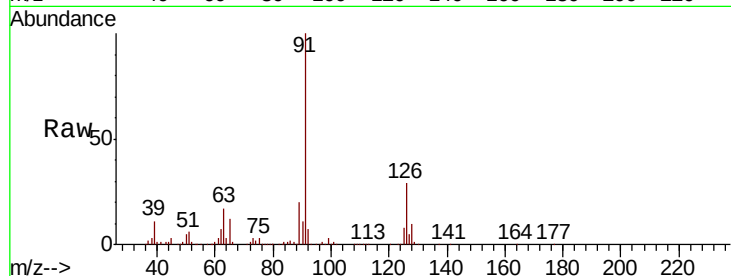
ClientSampleId :

Tot Ion: 91 Resp: 2914388

Ion Ratio Lower Upper

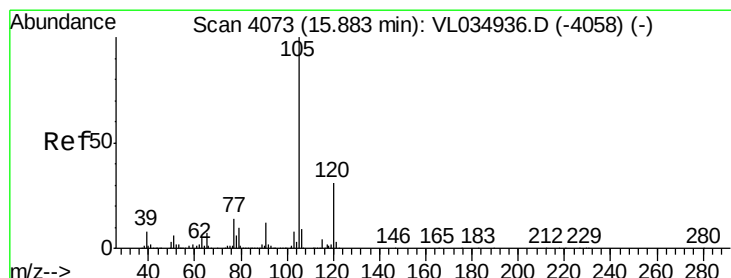
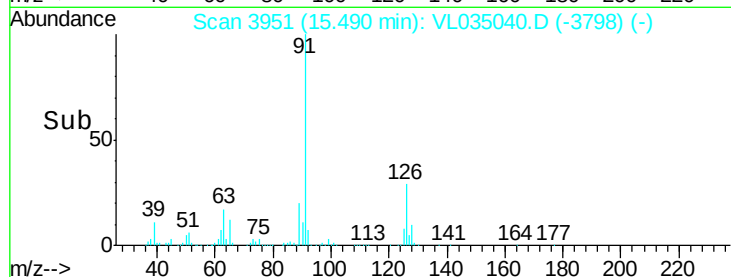
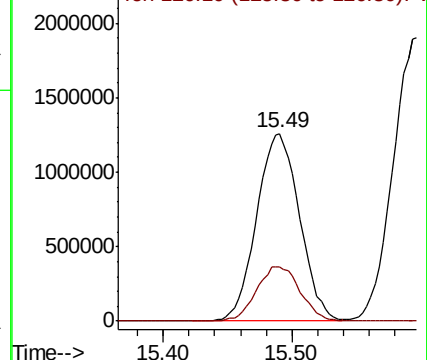
91 100

126 29.6 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.135 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion:105 Resp: 2974619

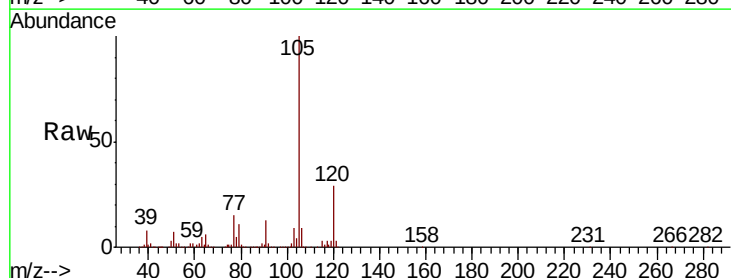
Ion Ratio Lower Upper

105 100

120 29.1 23.8 35.8

91 13.3 10.6 15.8

77 14.4 11.6 17.4

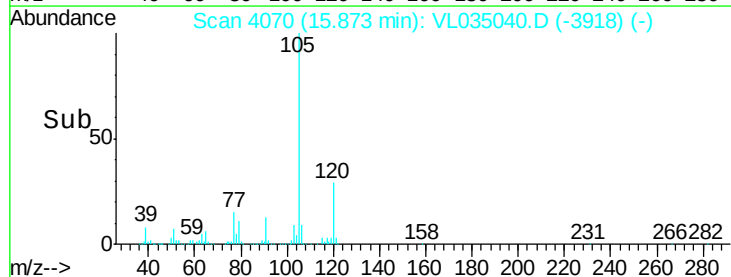
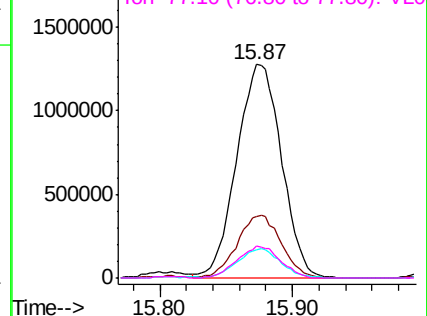


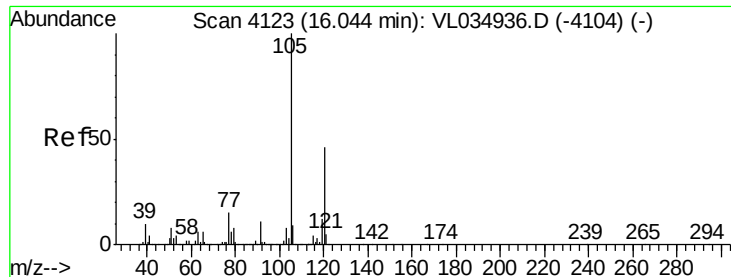
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.809 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

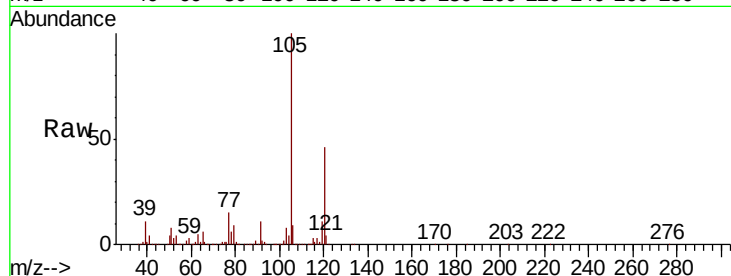
ClientSampleId :

Tot Ion:105 Resp: 2791274

Ion Ratio Lower Upper

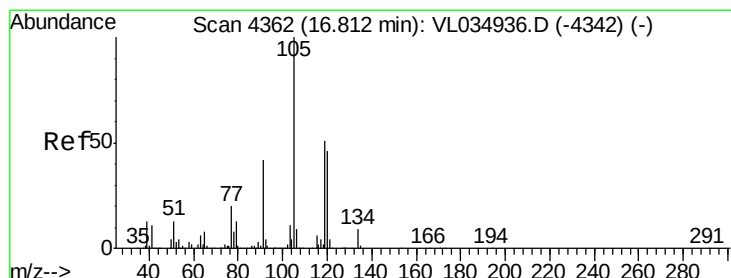
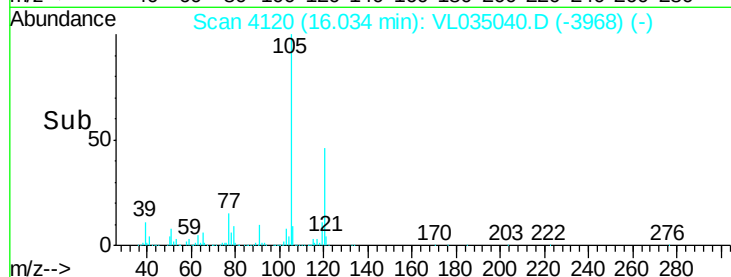
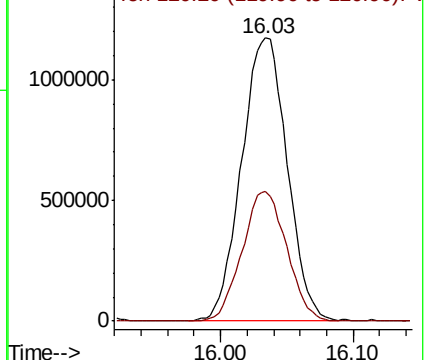
105 100

120 45.6 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.429 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion:105 Resp: 2915556

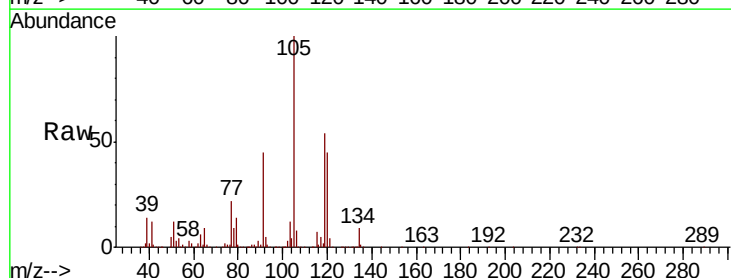
Ion Ratio Lower Upper

105 100

120 44.8 36.8 55.2

91 45.0 35.4 53.0

77 21.6 16.2 24.2

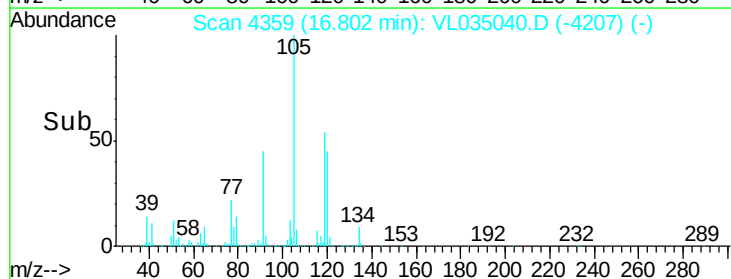
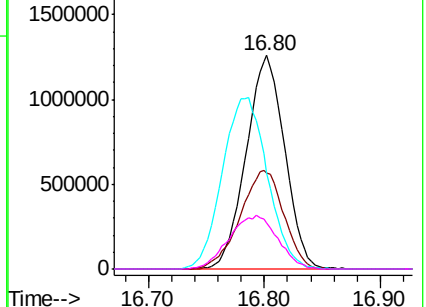


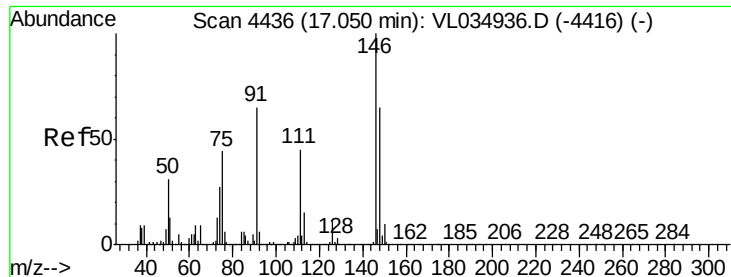
Abundance Ion 105.10 (104.80 to 105.80): V

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

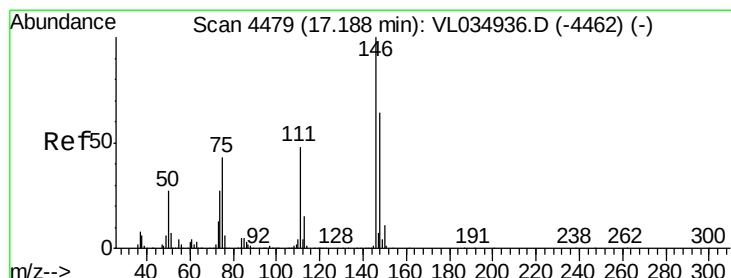
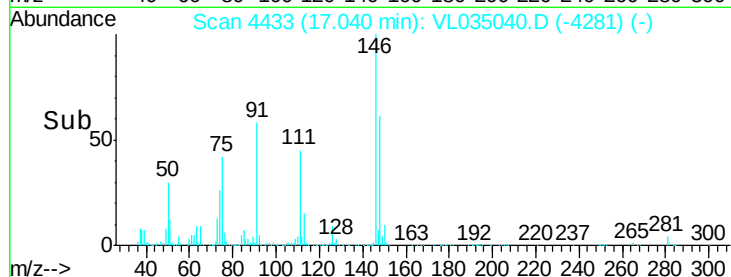
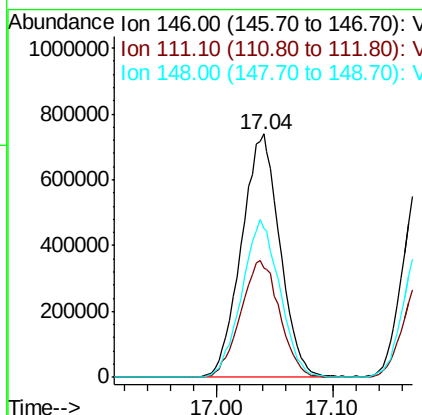
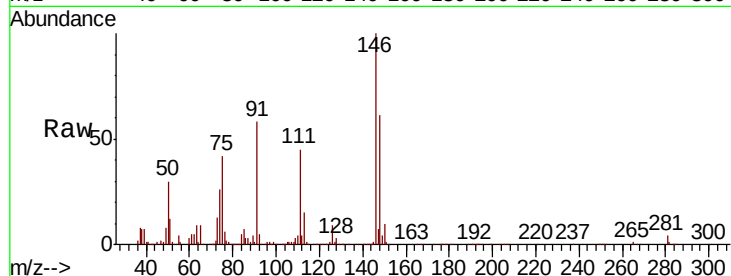




#75
 1,3-Dichlorobenzene
 Concen: 8.386 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

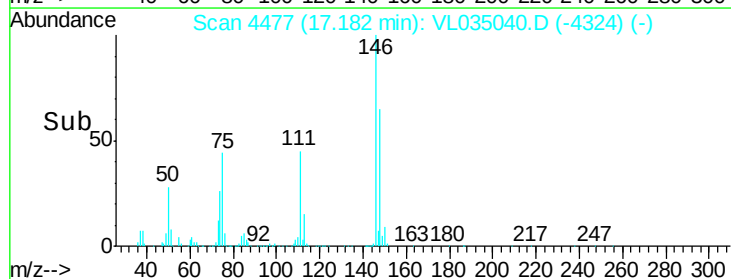
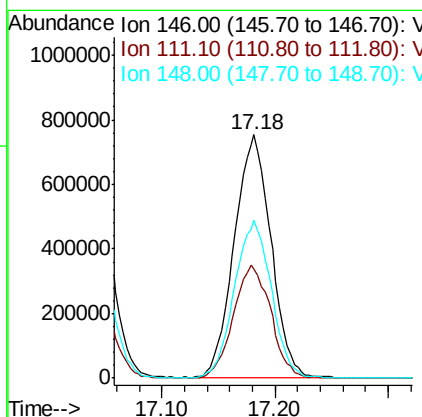
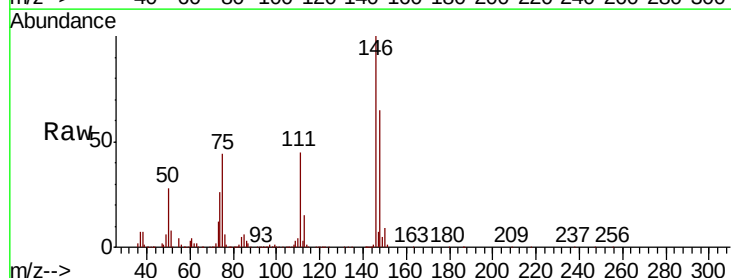
Instrument :
 MSVOA_L
 ClientSampleId :

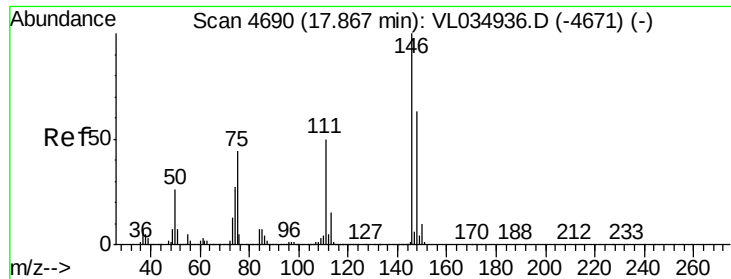
Tot Ion:146 Resp: 1703169
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.0 72.0
 148 64.0 32.6 97.7



#76
 1,4-Dichlorobenzene
 Concen: 8.818 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion:146 Resp: 1701721
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.7 71.1
 148 65.6 32.6 97.8

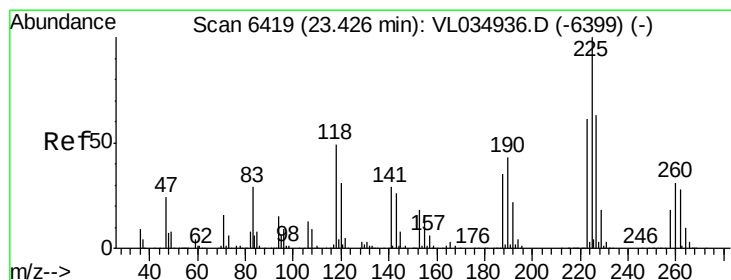
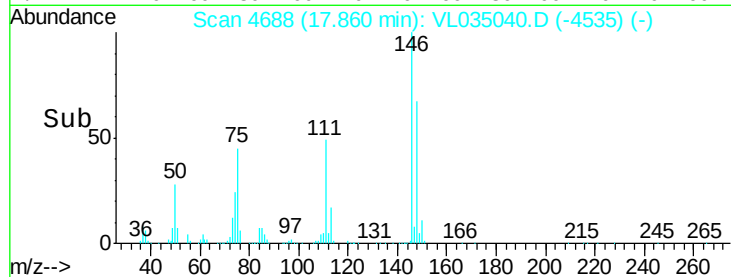
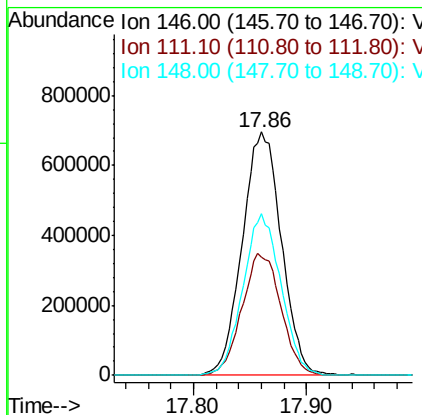
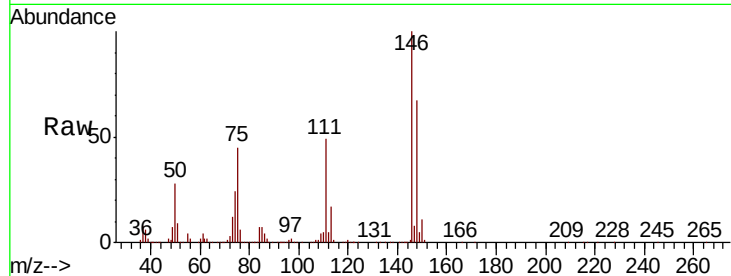




#77
 1,2-Dichlorobenzene
 Concen: 8.747 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

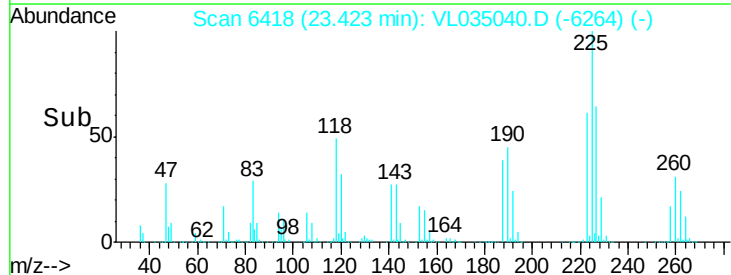
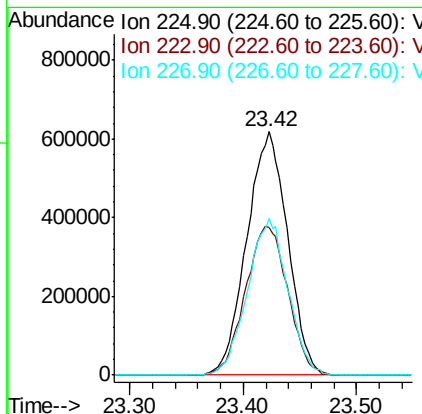
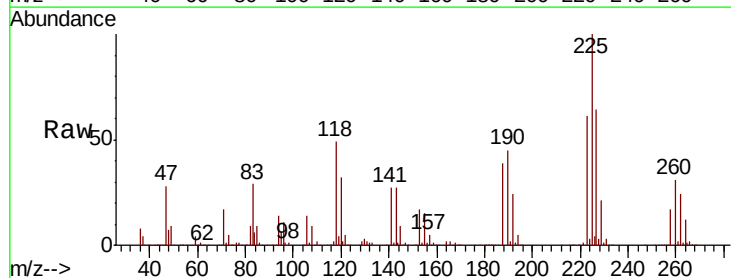
Instrument :
 MSVOA_L
 ClientSampleID :

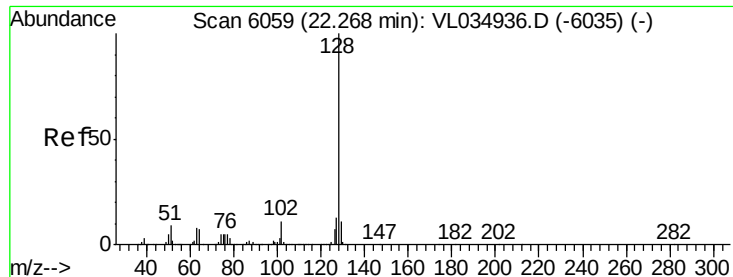
Tot Ion:146 Resp: 1673847
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.5 73.5
 148 64.7 31.7 95.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.500 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion:225 Resp: 1549727
 Ion Ratio Lower Upper
 225 100
 223 63.5 49.8 74.8
 227 63.5 51.8 77.6

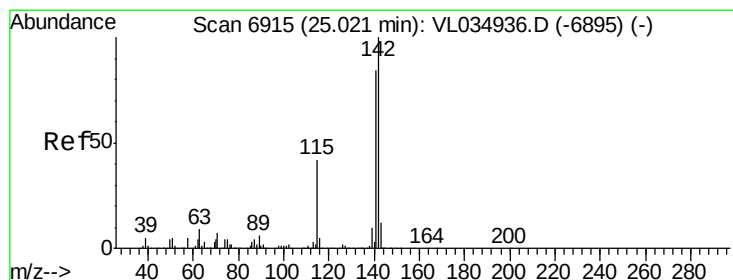
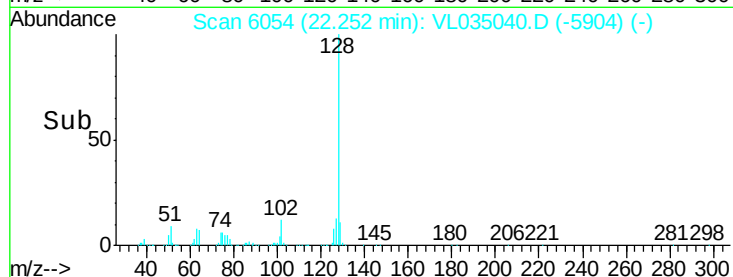
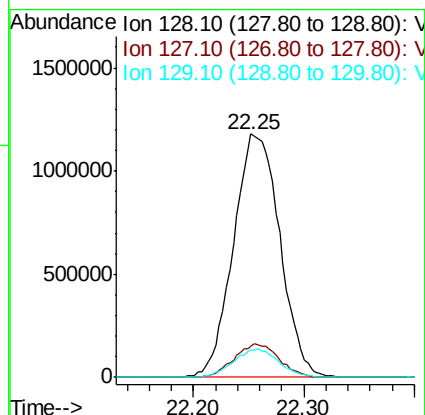
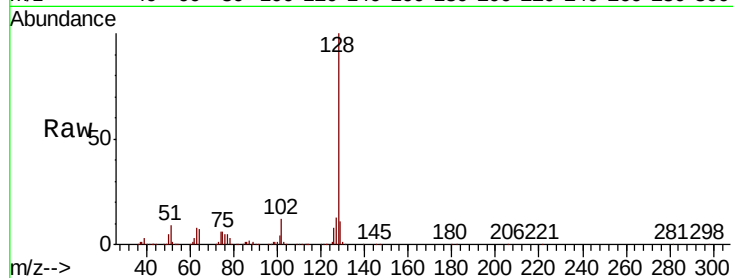




#79
Naphthalene
Concen: 12.695 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. -0.02 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

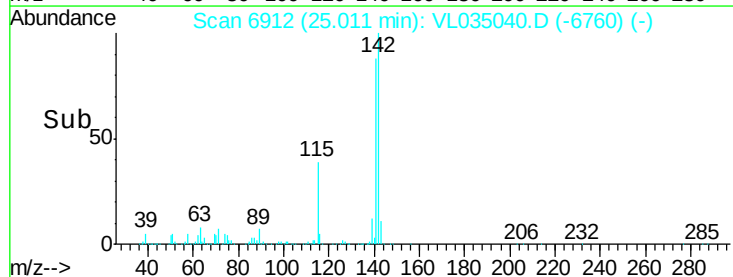
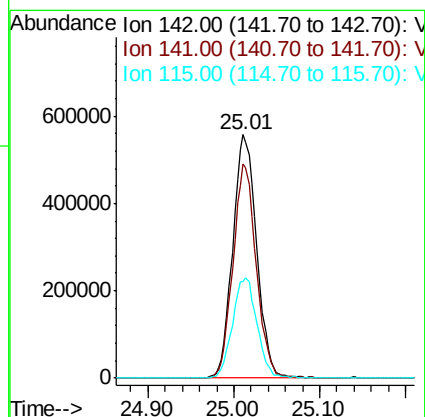
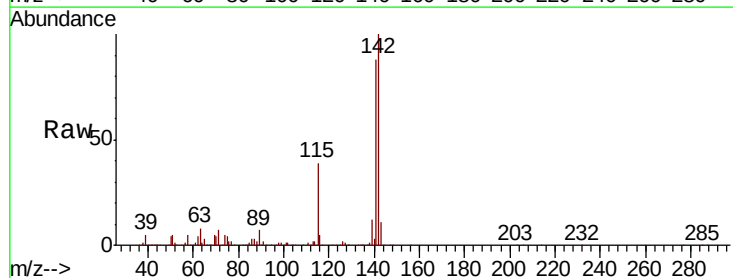
Instrument :
MSVOA_L
ClientSampleId :

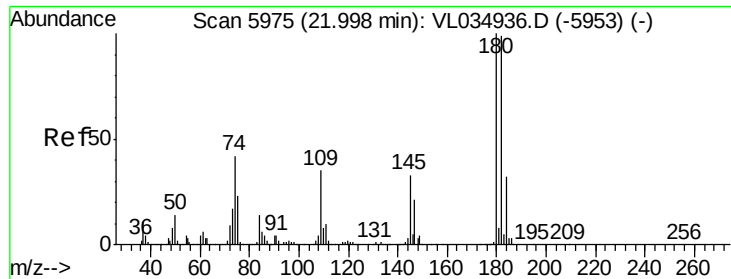
Tot Ion:128 Resp: 3419451
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.1 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 16.243 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion:142 Resp: 1075417
Ion Ratio Lower Upper
142 100
141 85.3 68.6 102.8
115 42.4 33.9 50.9

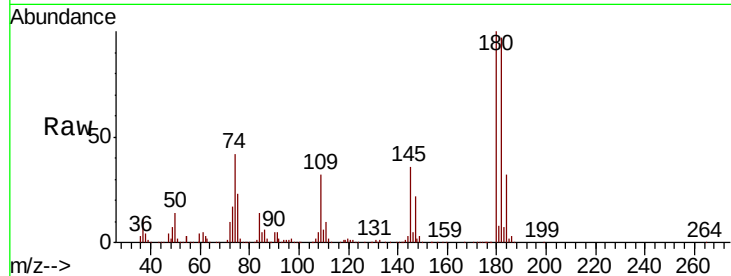




#81
 1,2,4-Trichlorobenzene
 Concen: 11.018 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1799683
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.5 116.3
 184 31.3 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

