

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035344.D
 Acq On : 6 Aug 2020 10:09
 Operator : SY/AP
 Sample : VL0805ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:25:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1435385	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3553113	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3548485	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2907340	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1591872	8.338	ppbv 98
3) Chlorodifluoromethane	2.94	51	1442395	8.803	ppbv 99
4) Chloromethane	3.09	50	798612	8.609	ppbv 99
5) Vinyl Chloride	3.21	62	802842	8.414	ppbv 99
6) Bromomethane	3.43	94	530546	9.076	ppbv 99
7) Chloroethane	3.51	64	316370	8.927	ppbv 93
8) Dichlorotetrafluoroethane	3.14	85	1966558	8.714	ppbv 100
9) Propene	2.96	41	546477	9.360	ppbv 99
10) Heptane	8.12	43	1625212	10.897	ppbv 99
11) Trichlorofluoromethane	3.91	101	2120467	8.572	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1494746	8.454	ppbv 99
13) Ethanol	3.56	45	178579	8.868	ppbv 95
14) Bromoethene	3.70	108	644608	9.093	ppbv 98
15) Acetone	3.81	43	1577889	7.741	ppbv 99
16) 1,3-Butadiene	3.28	39	749267	9.550	ppbv 98
17) tert-Butyl alcohol	4.25	59	1808027	9.664	ppbv 100
18) 1,1-Dichloroethene	4.25	96	677724	8.927	ppbv 97
19) Isopropyl Alcohol	3.92	45	1213305	9.390	ppbv 100
20) Methylene Chloride	4.31	84	605578	7.285	ppbv 97
21) Allyl Chloride	4.38	41	1073460	9.191	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	668971	9.087	ppbv 96
23) Vinyl Acetate	5.05	43	1977853	10.119	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1687047	9.185	ppbv 100
25) Ethyl Acetate	5.65	43	2923924	9.441	ppbv 99
26) Hexane	5.66	57	1273309	9.478	ppbv 98
27) Carbon Disulfide	4.51	76	1775361	9.451	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1973622	10.104	ppbv 99
29) Chloroform	5.73	83	2091302	9.030	ppbv 97
30) Cyclohexane	7.12	84	1093194	10.731	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1263809	10.582	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	2062229	8.472	ppbv 100
34) 2-Butanone	5.22	43	1774156	10.141	ppbv 98
35) Carbon Tetrachloride	7.01	117	2212083	9.047	ppbv 99
36) Benzene	6.88	78	2555131	10.650	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1613934	9.629	ppbv 100
38) Trichloroethene	7.83	130	1097540	9.917	ppbv 92
39) 1,2-Dichloropropane	7.61	63	979392	10.083	ppbv 96
40) 1,4-Dioxane	7.82	88	426891	10.263	ppbv 97
41) Tetrahydrofuran	6.03	42	962638	11.212	ppbv 100
42) Bromodichloromethane	7.79	83	2249996	9.996	ppbv 96
43) Methyl Methacrylate	8.01	69	1147632	11.370	ppbv 100

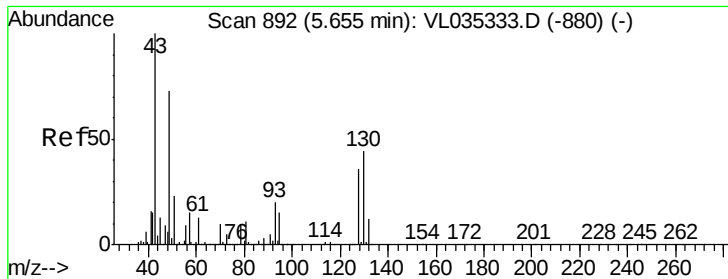
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035344.D
 Acq On : 6 Aug 2020 10:09
 Operator : SY/AP
 Sample : VL0805ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:25:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4366636	10.244	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1308186	12.494	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1532757	12.121	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1127075	9.651	ppbv	96
48) Dibromochloromethane	10.32	129	1967886	10.287	ppbv	99
49) Bromoform	13.06	173	1800404	10.328	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2766997	10.359	ppbv	99
51) 2-Hexanone	10.14	43	2261946	10.802	ppbv #	99
52) Tetrachloroethene	11.23	164	985185	10.357	ppbv	96
53) Toluene	9.81	91	3015246	11.553	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1736816	10.366	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.14	131	1549169	9.249	ppbv	97
57) Chlorobenzene	12.16	112	2501980	9.364	ppbv	98
58) Ethyl Benzene	12.73	91	4155241	11.254	ppbv	97
59) m/p-Xylene	13.01	91	4256186	12.379	ppbv #	55
60) o-Xylene	13.71	91	3552246	10.411	ppbv	100
61) Styrene	13.55	104	2548138	12.229	ppbv	99
62) Isopropylbenzene	14.69	105	5241906	10.204	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2607254	8.957	ppbv	99
64) n-propylbenzene	15.58	120	1446280	10.476	ppbv	99
65) tert-Butylbenzene	16.77	119	4836171	10.280	ppbv	99
66) Benzyl Chloride	17.01	91	2125490	11.416	ppbv	100
67) sec-Butylbenzene	17.32	105	6709331	10.083	ppbv	99
69) p-Isopropyltoluene	17.68	119	5678482	10.468	ppbv	100
70) n-Butylbenzene	18.58	91	5901073	10.170	ppbv	100
71) 2-Chlorotoluene	15.48	91	4052527	10.769	ppbv	100
72) 4-Ethyltoluene	15.86	105	4269513	10.976	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4010629	10.745	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	4252108	9.967	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	2551978	9.144	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2554367	9.883	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	2470582	9.592	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	2050408	9.357	ppbv	99
79) Naphthalene	22.24	128	4327448	13.188	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	1827055	24.477	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	2385130	11.534	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampled :

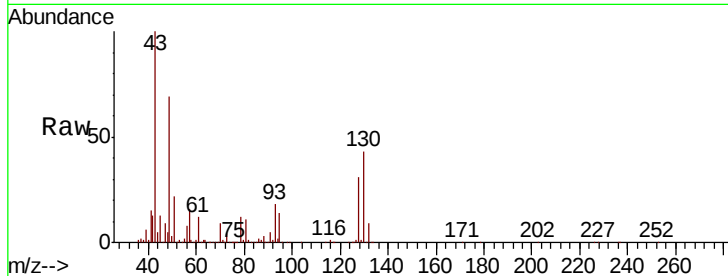
Tot Ion: 49 Resp: 1435385

Ion Ratio Lower Upper

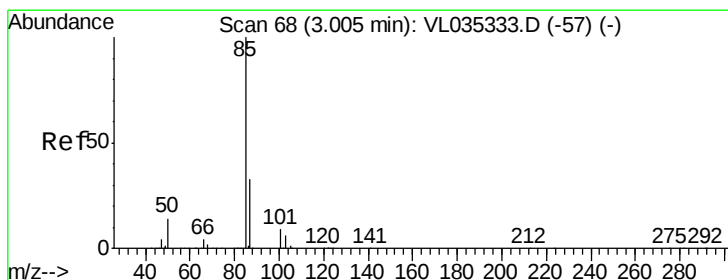
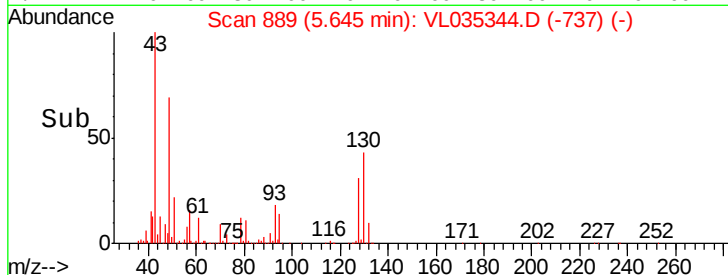
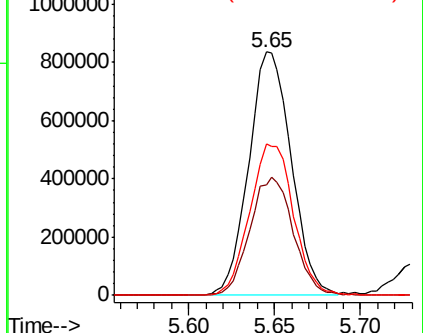
49 100

128 49.6 25.4 76.0

130 64.1 32.1 96.3



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.338 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035344.D

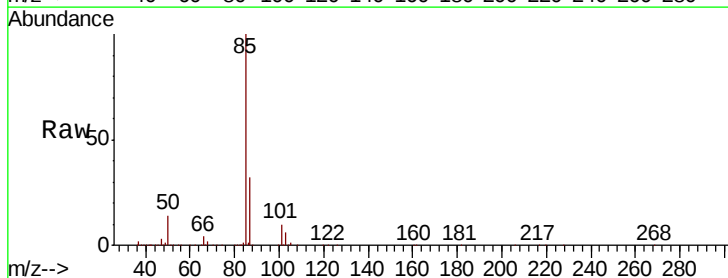
Acq: 6 Aug 2020 10:09

Tgt Ion: 85 Resp: 1591872

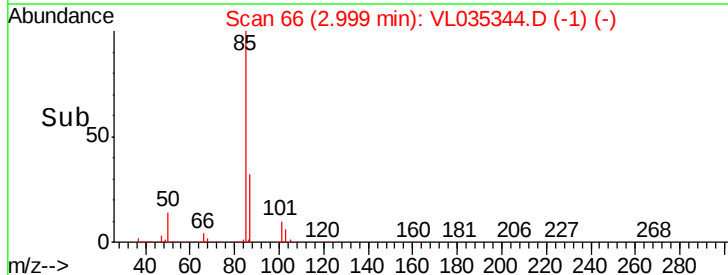
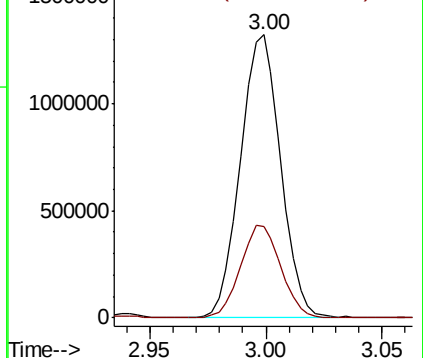
Ion Ratio Lower Upper

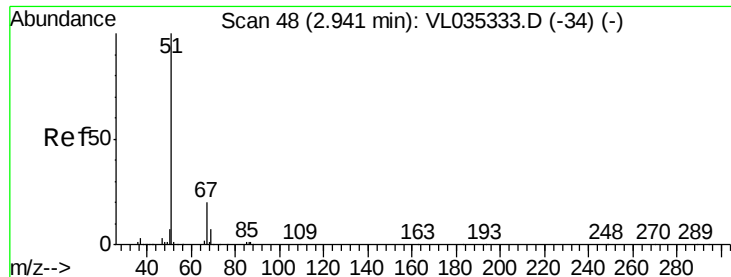
85 100

87 32.2 26.7 40.1



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





#3

Chlorodifluoromethane

Concen: 8.803 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

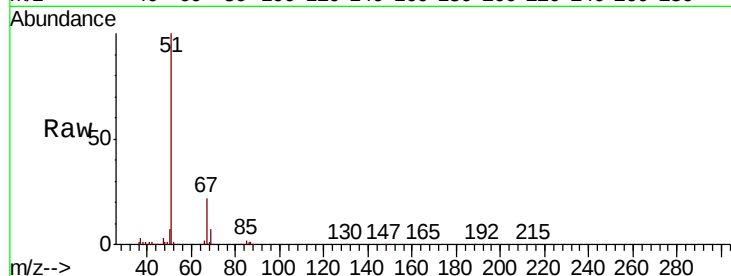
ClientSampleId :

Tot Ion: 51 Resp: 1442395

Ion Ratio Lower Upper

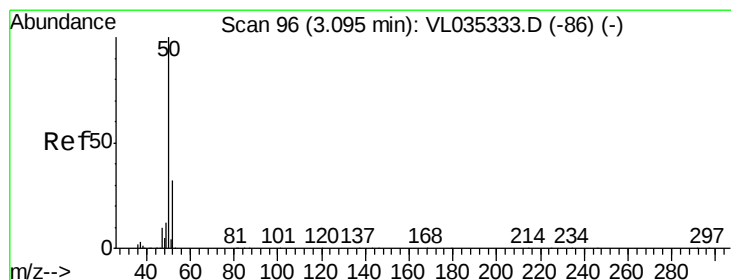
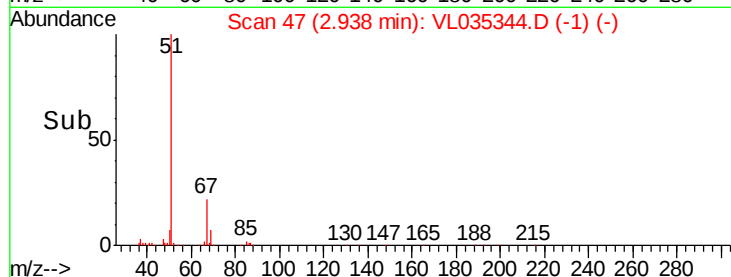
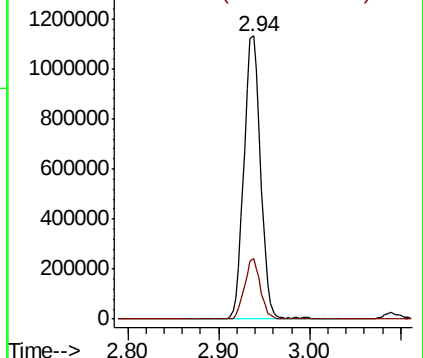
51 100

67 20.4 16.6 25.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.609 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL035344.D

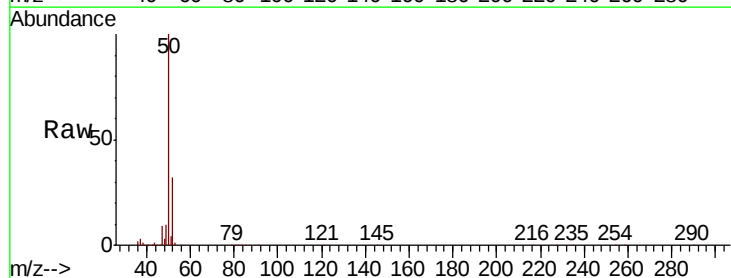
Acq: 6 Aug 2020 10:09

Tgt Ion: 50 Resp: 798612

Ion Ratio Lower Upper

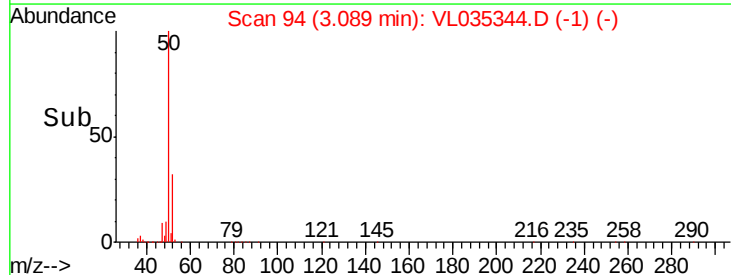
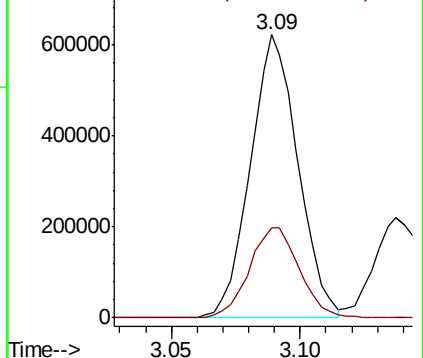
50 100

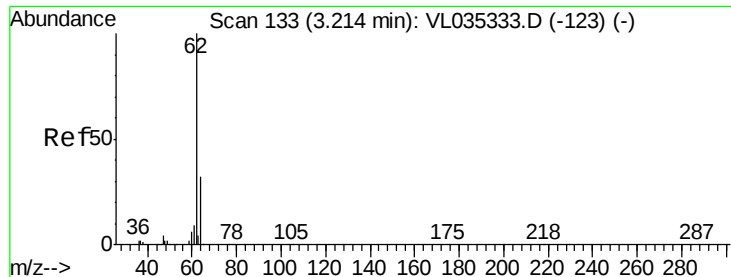
52 31.8 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.414 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

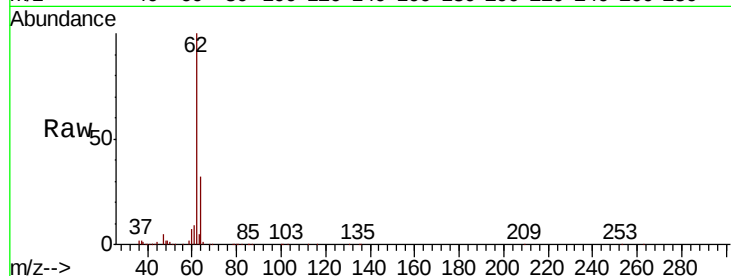
ClientSampleId :

Tot Ion: 62 Resp: 802842

Ion Ratio Lower Upper

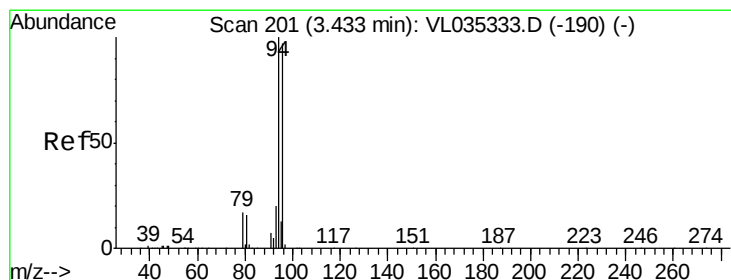
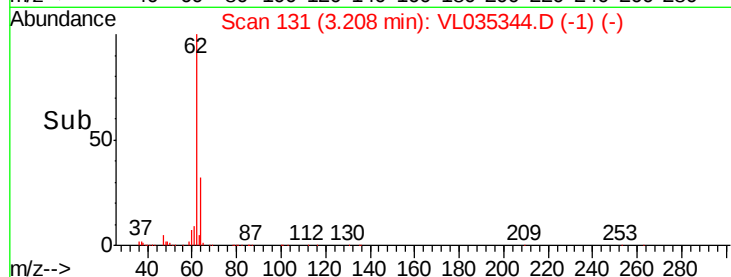
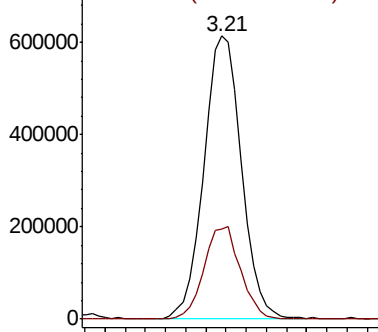
62 100

64 31.8 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.076 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035344.D

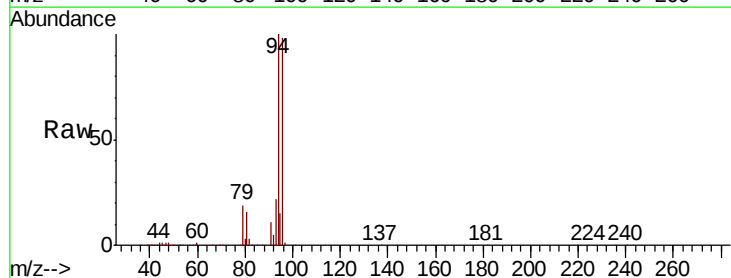
Acq: 6 Aug 2020 10:09

Tgt Ion: 94 Resp: 530546

Ion Ratio Lower Upper

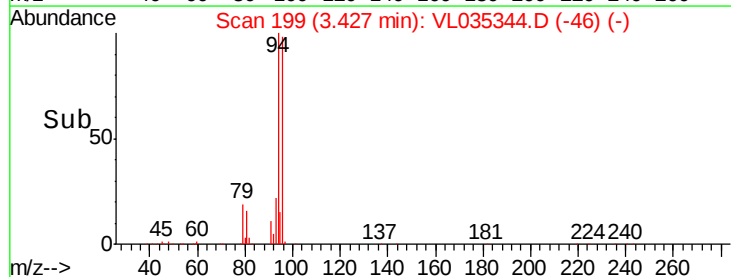
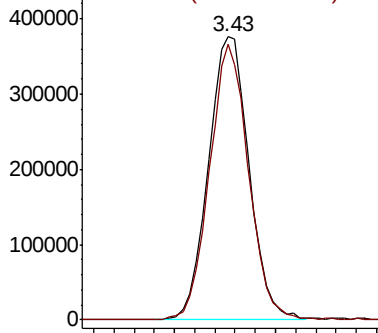
94 100

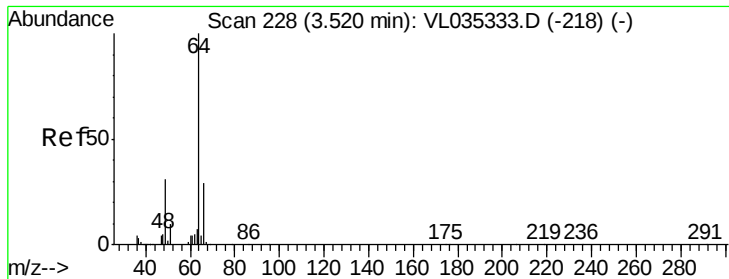
96 97.5 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.927 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

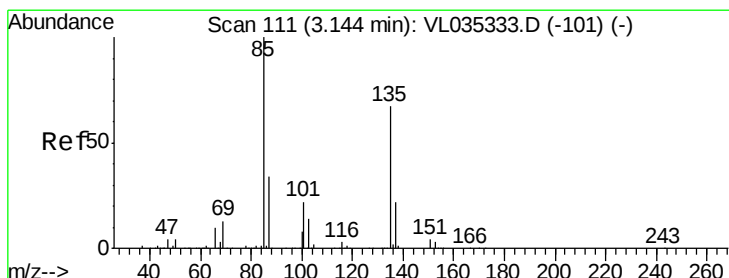
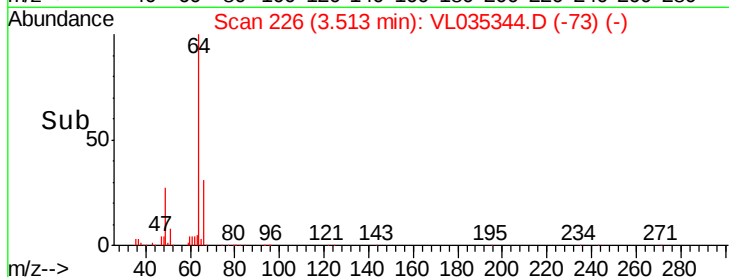
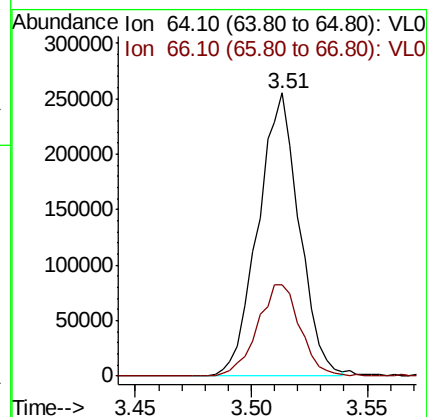
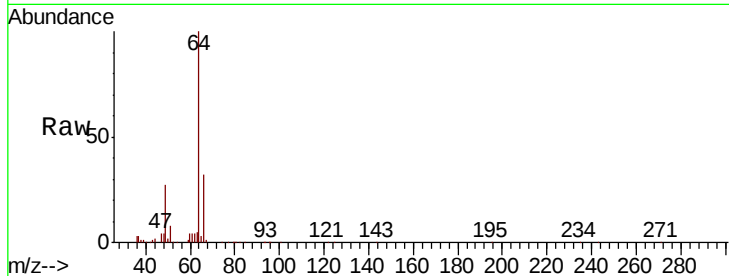
ClientSampleId :

Tot Ion: 64 Resp: 316370

Ion Ratio Lower Upper

64 100

66 32.4 23.0 34.6



#8

Dichlorotetrafluoroethane

Concen: 8.714 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035344.D

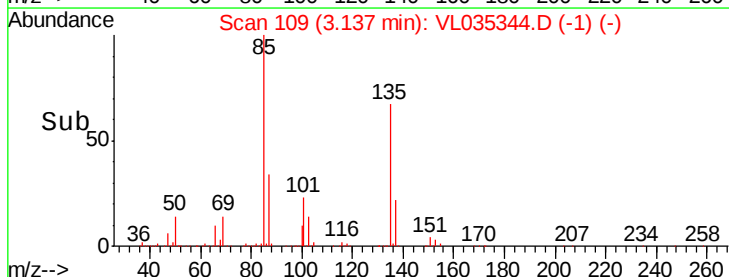
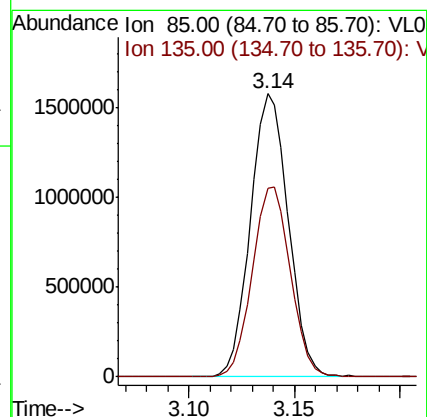
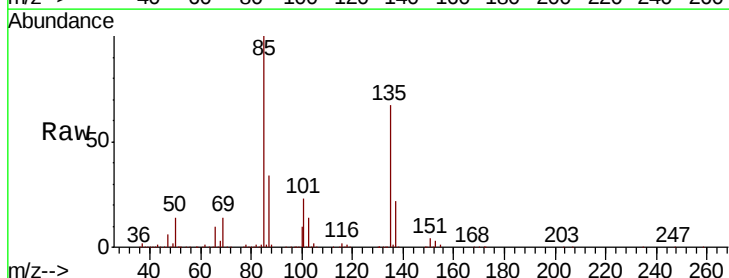
Acq: 6 Aug 2020 10:09

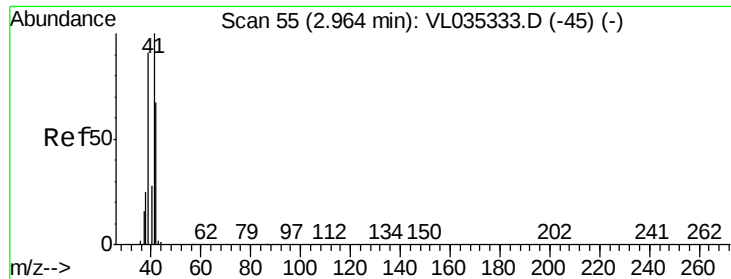
Tgt Ion: 85 Resp: 1966558

Ion Ratio Lower Upper

85 100

135 67.7 54.5 81.7





#9

Propene

Concen: 9.360 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

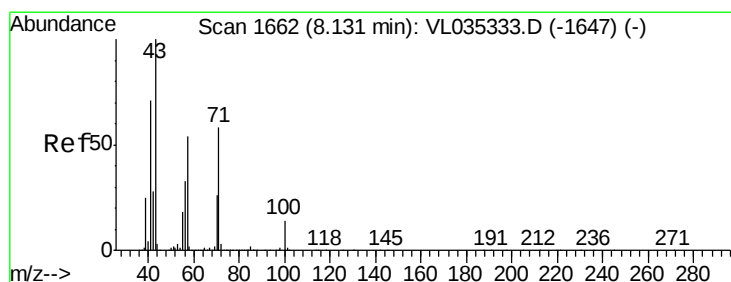
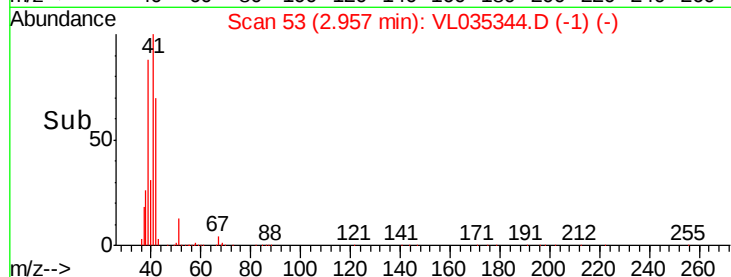
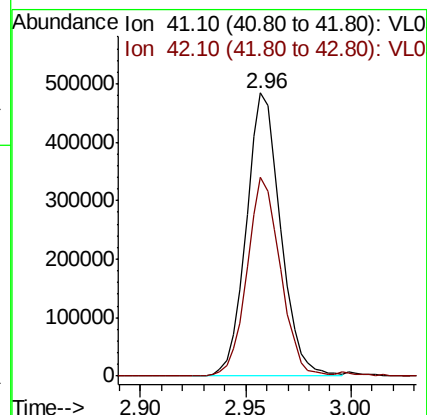
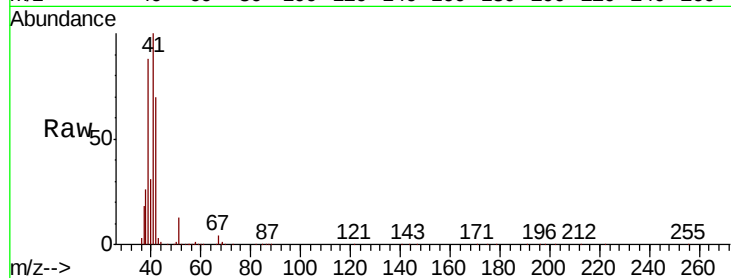
ClientSampleId :

Tot Ion: 41 Resp: 546477

Ion Ratio Lower Upper

41 100

42 69.7 55.3 82.9



#10

Heptane

Concen: 10.897 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035344.D

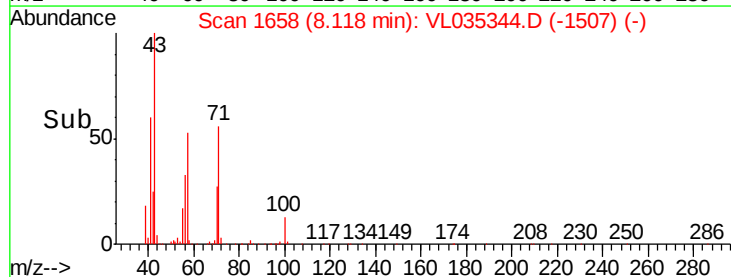
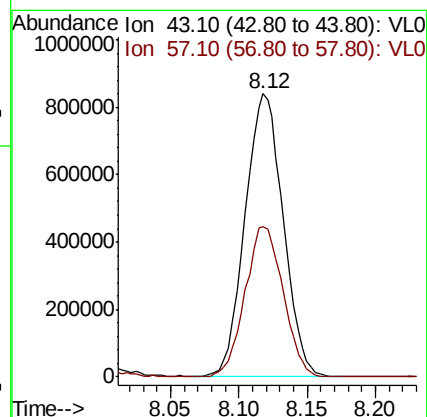
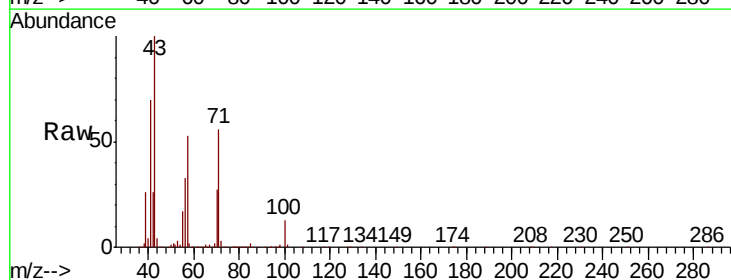
Acq: 6 Aug 2020 10:09

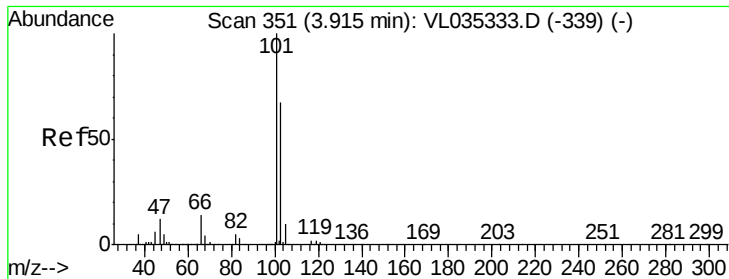
Tgt Ion: 43 Resp: 1625212

Ion Ratio Lower Upper

43 100

57 53.4 43.0 64.6

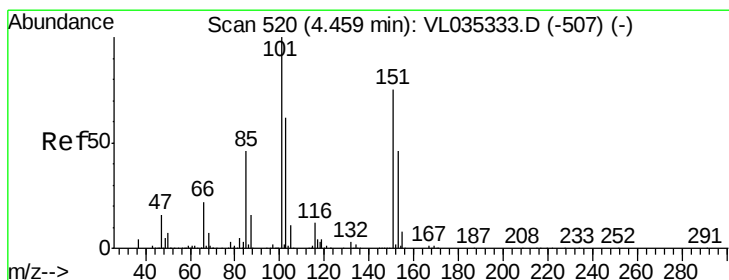
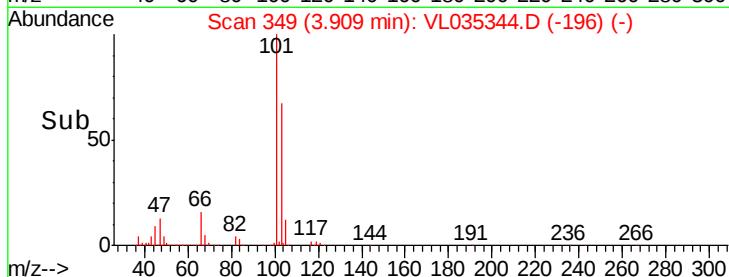
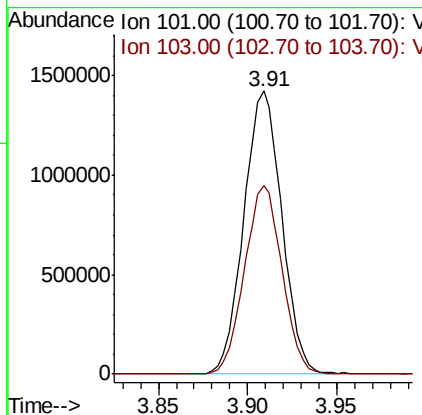
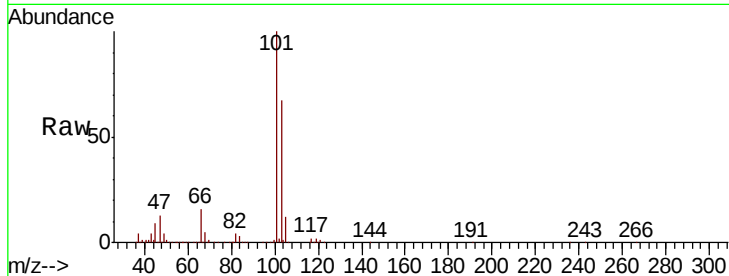




#11
 Trichlorofluoromethane
 Concen: 8.572 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

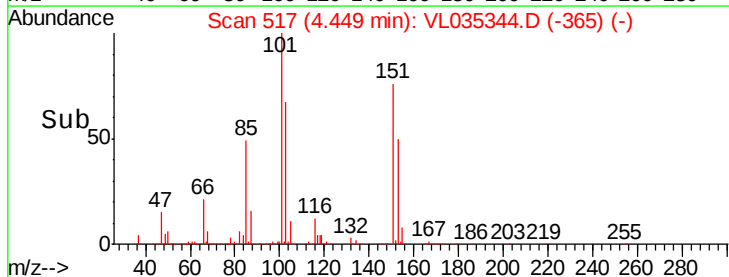
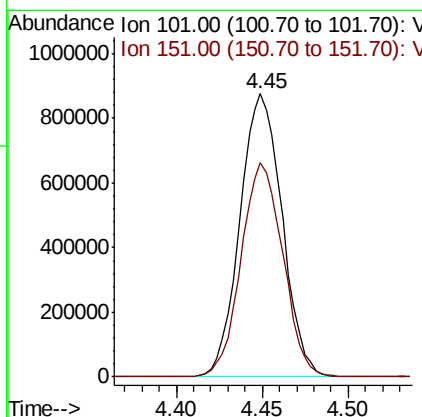
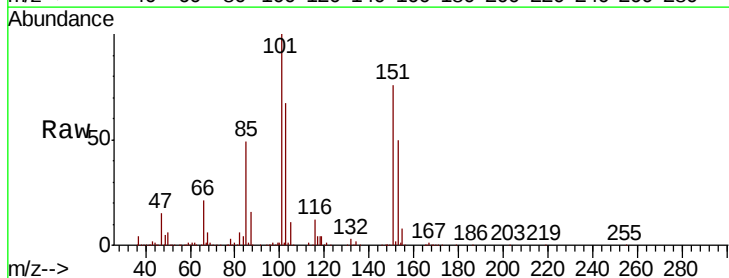
Instrument :
 MSVOA_L
 ClientSampleId :

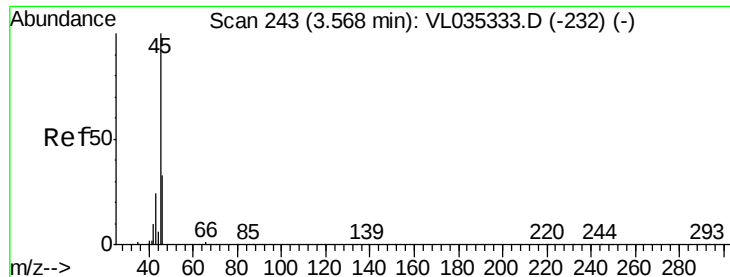
Tot Ion:101 Resp: 2120467
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.8 80.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.454 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion:101 Resp: 1494746
 Ion Ratio Lower Upper
 101 100
 151 75.0 59.5 89.3

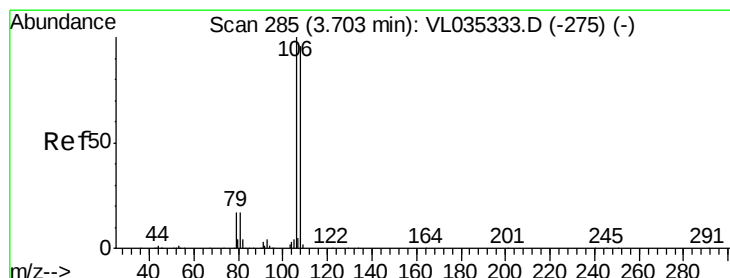
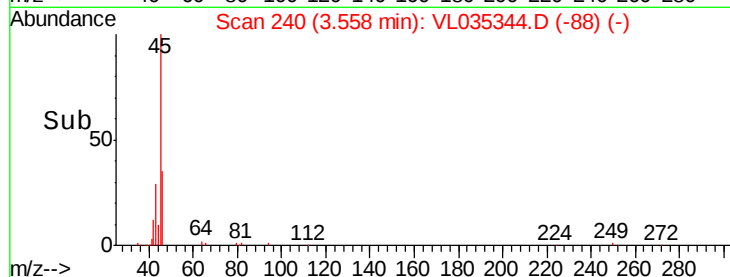
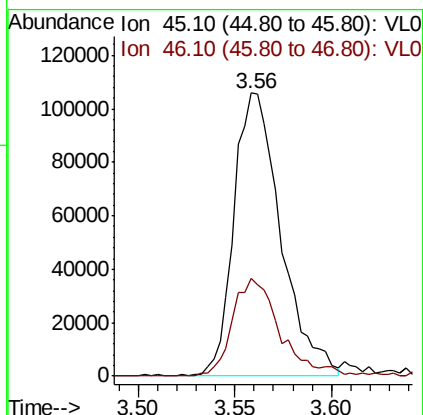
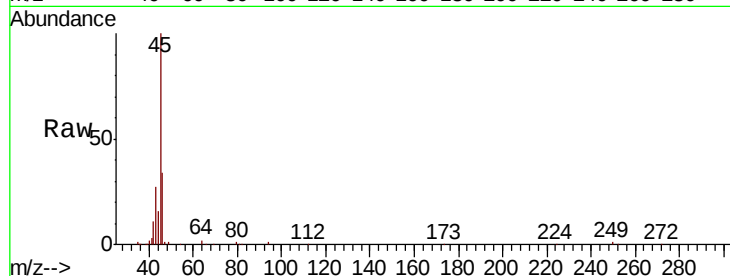




#13
Ethanol
Concen: 8.868 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

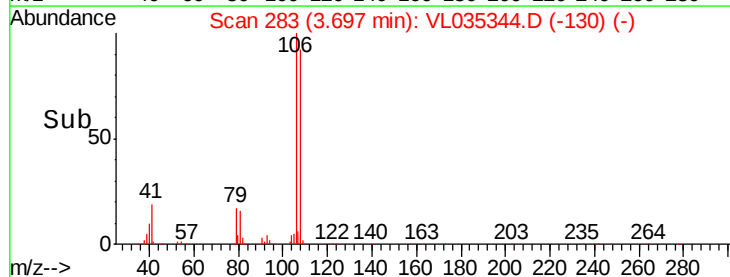
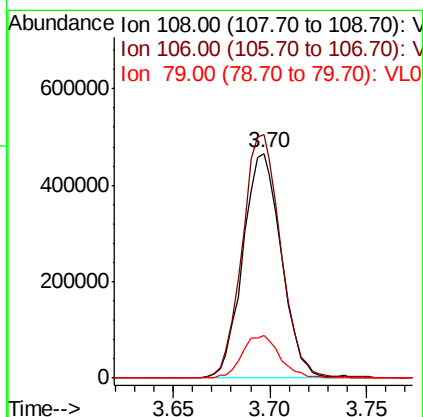
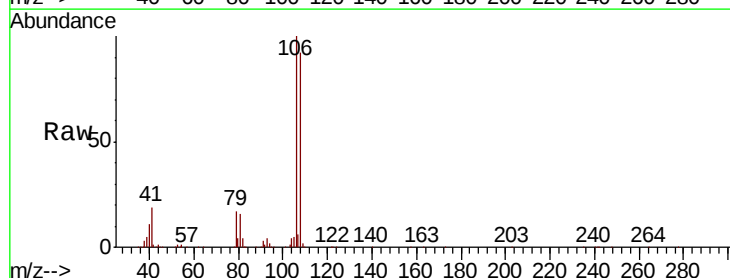
Instrument :
MSVOA_L
ClientSampleId :

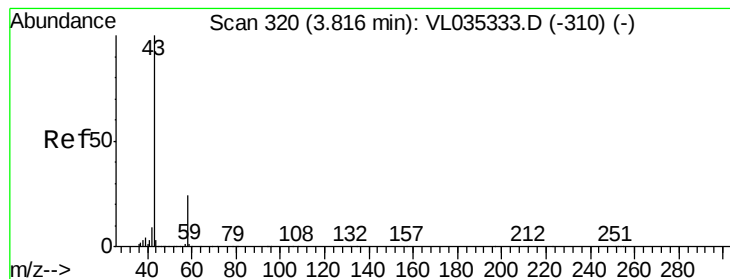
Tot Ion: 45 Resp: 178579
Ion Ratio Lower Upper
45 100
46 35.2 15.2 61.0



#14
Bromoethene
Concen: 9.093 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 108 Resp: 644608
Ion Ratio Lower Upper
108 100
106 109.3 85.0 127.6
79 18.8 15.0 22.6





#15

Acetone

Concen: 7.741 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

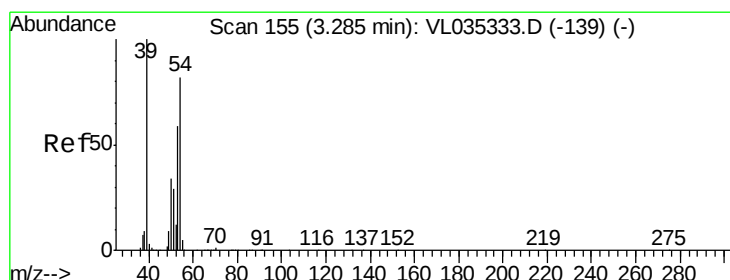
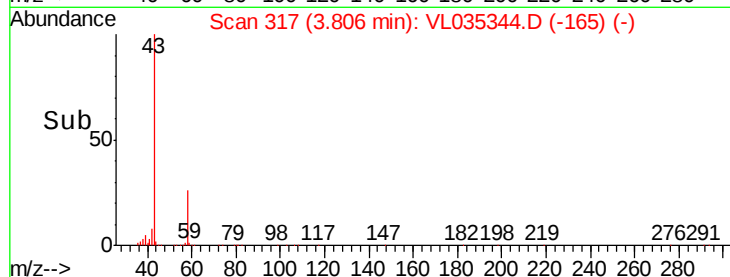
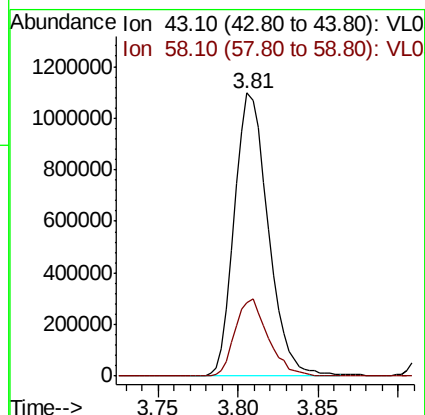
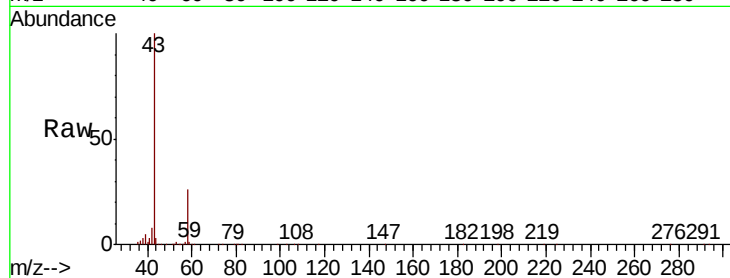
ClientSampleId :

Tot Ion: 43 Resp: 1577889

Ion Ratio Lower Upper

43 100

58 26.8 21.0 31.4



#16

1,3-Butadiene

Concen: 9.550 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035344.D

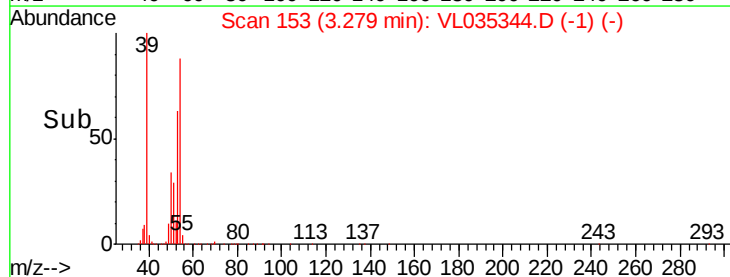
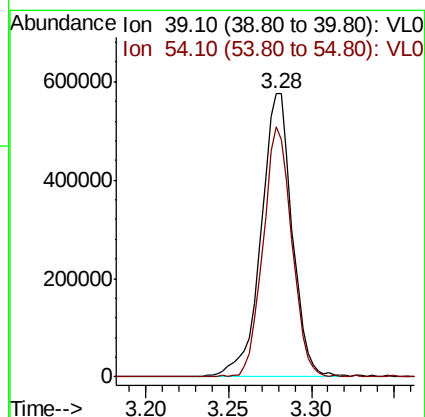
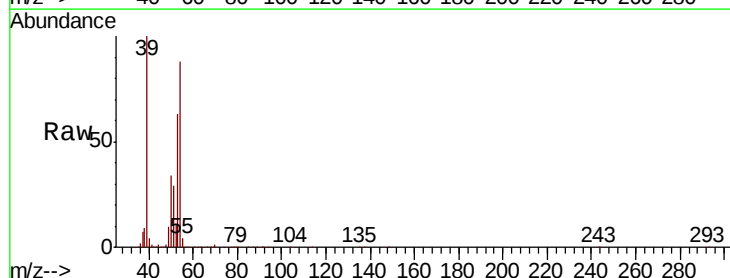
Acq: 6 Aug 2020 10:09

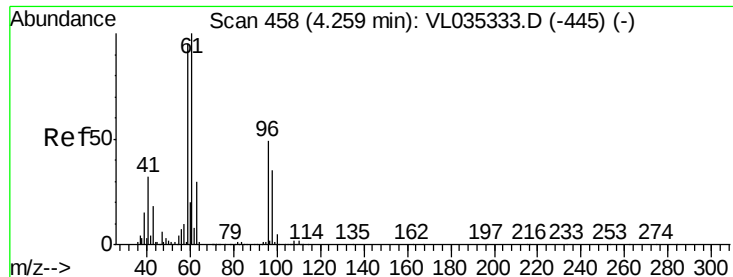
Tgt Ion: 39 Resp: 749267

Ion Ratio Lower Upper

39 100

54 82.4 64.4 96.6



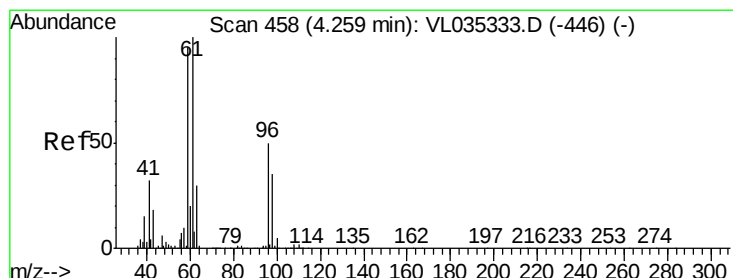
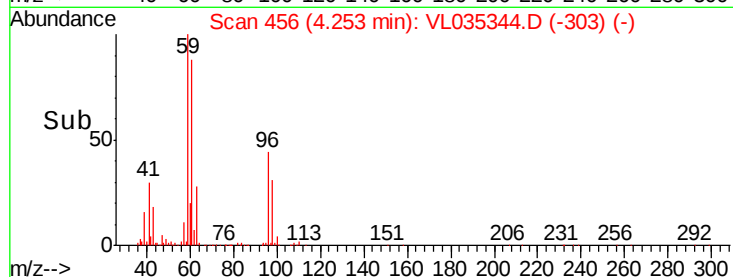
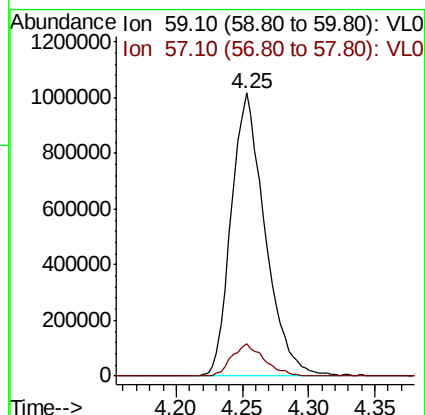
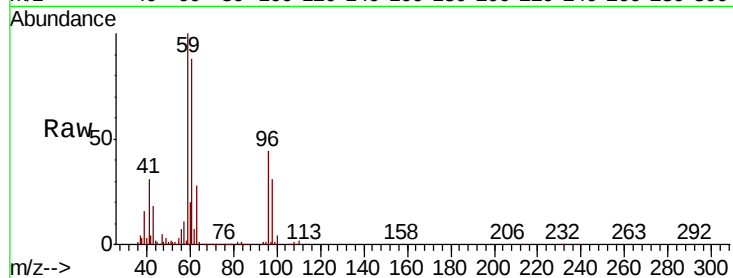


#17

tert-Butyl alcohol
Concen: 9.664 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :

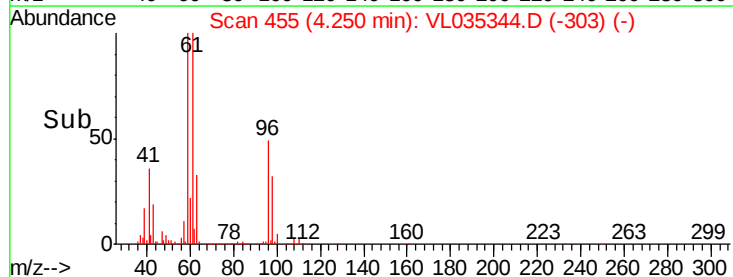
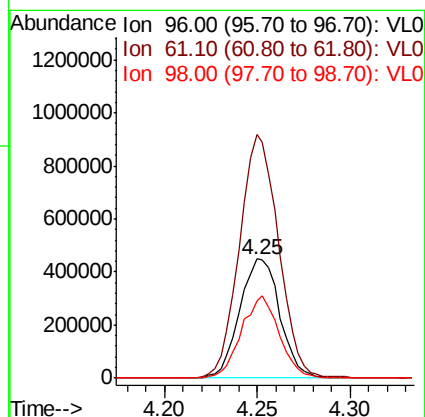
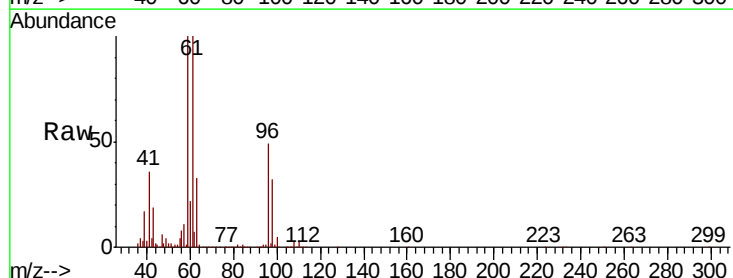
Tot Ion: 59 Resp: 1808027
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

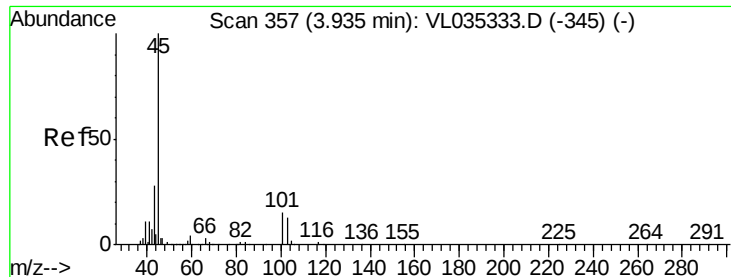


#18

1,1-Dichloroethene
Concen: 8.927 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 96 Resp: 677724
Ion Ratio Lower Upper
96 100
61 203.6 161.4 242.2
98 64.4 56.0 84.0





#19

Isopropyl Alcohol

Concen: 9.390 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

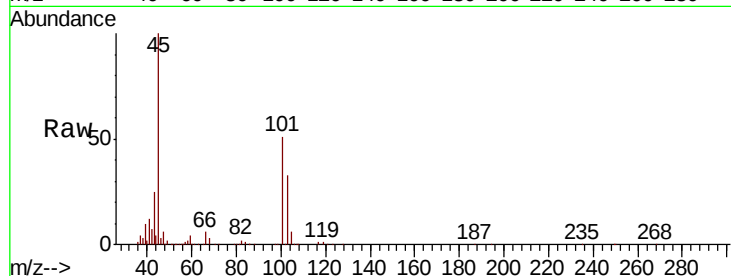
ClientSampleId :

Tot Ion: 45 Resp: 1213305

Ion Ratio Lower Upper

45 100

58 2.4 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

800000

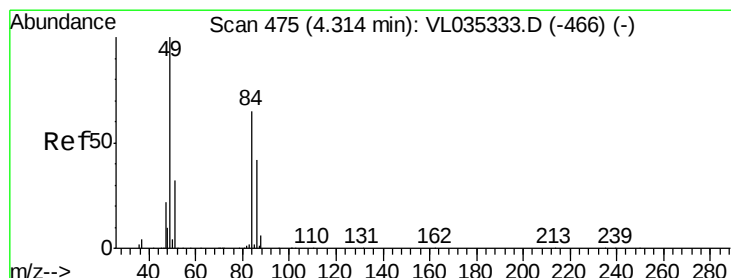
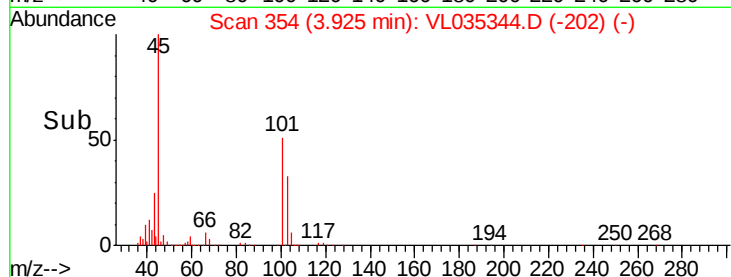
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.285 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tgt Ion: 84 Resp: 605578

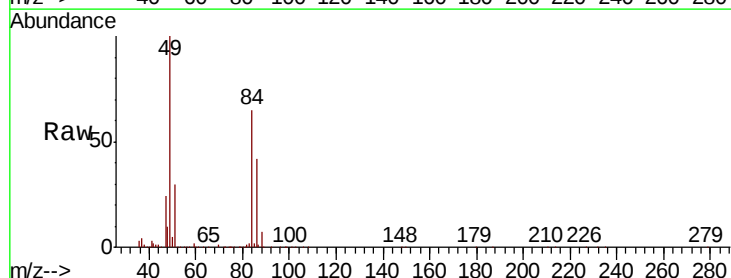
Ion Ratio Lower Upper

84 100

49 150.4 122.8 184.2

51 44.5 40.1 60.1

86 63.8 51.7 77.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

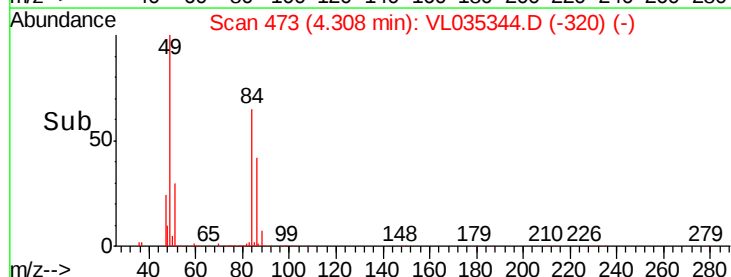
600000

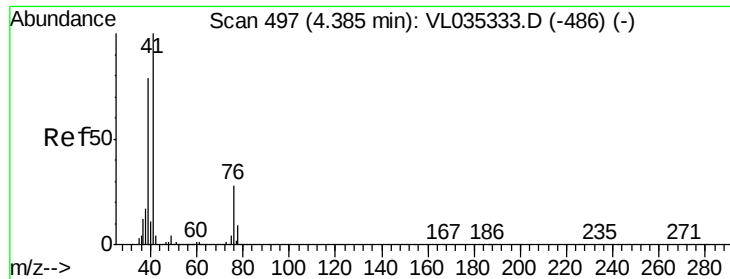
400000

200000

0

Time-->

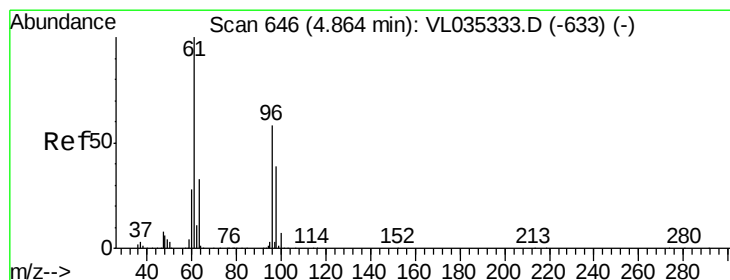
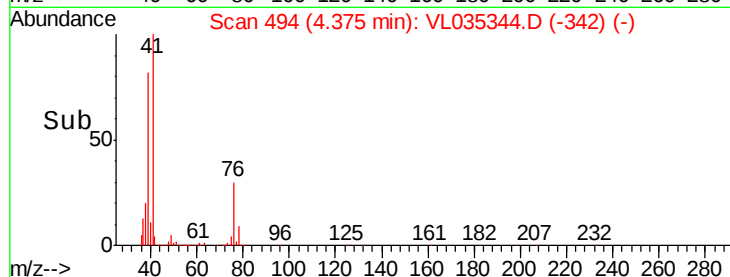
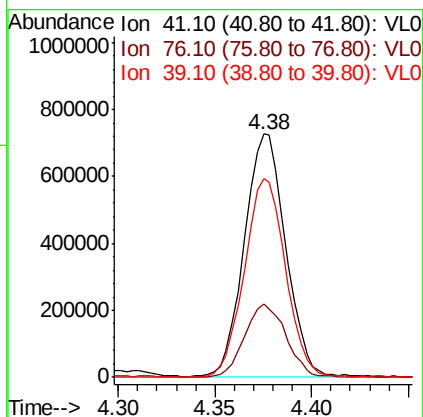
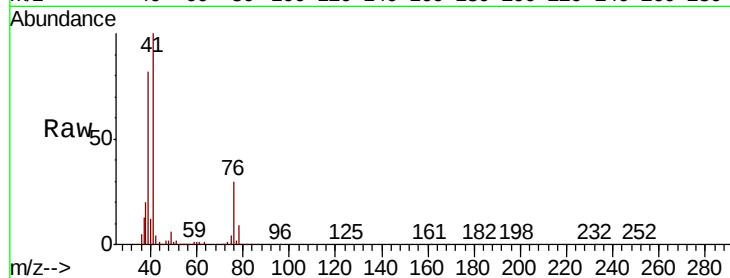




#21
Allvl Chloride
Concen: 9.191 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

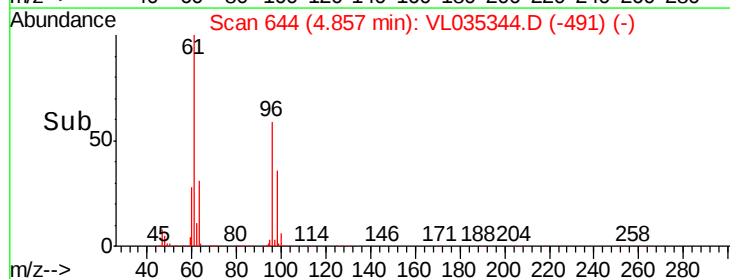
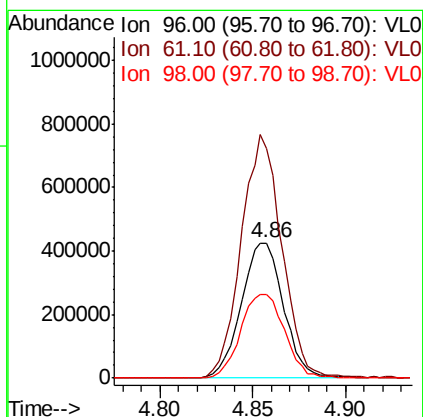
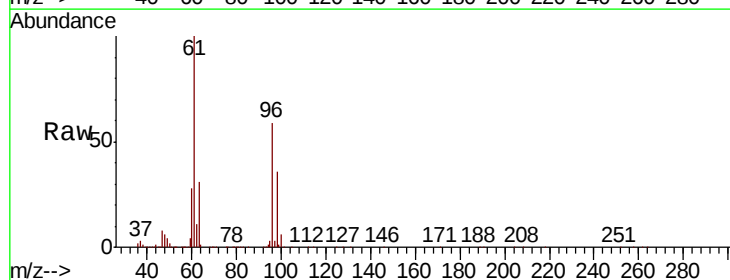
Instrument :
MSVOA_L
ClientSampleId :

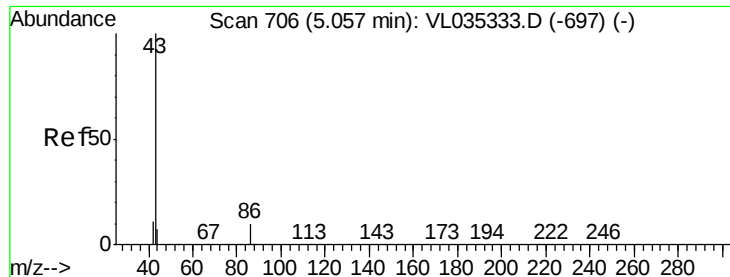
Tot Ion: 41 Resp: 1073460
Ion Ratio Lower Upper
41 100
76 30.3 23.8 35.6
39 82.1 65.0 97.6



#22
trans-1,2-Dichloroethene
Concen: 9.087 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 96 Resp: 668971
Ion Ratio Lower Upper
96 100
61 169.6 138.5 207.7
98 61.3 54.3 81.5



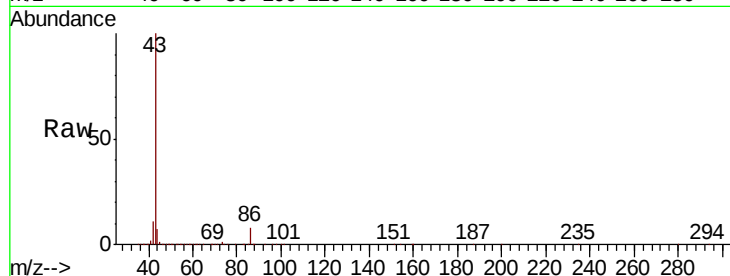


#23
 Vinyl Acetate
 Concen: 10.119 ppbv
 RT: 5.05 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

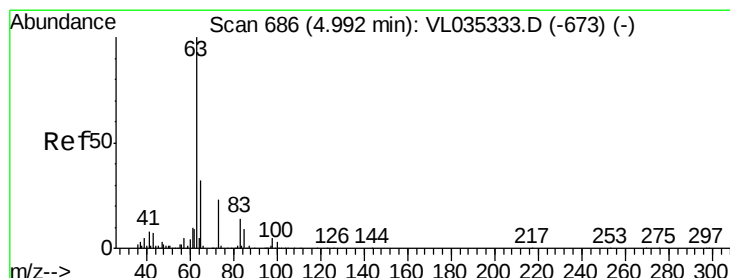
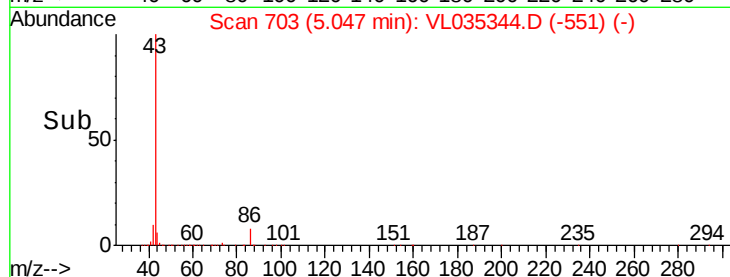
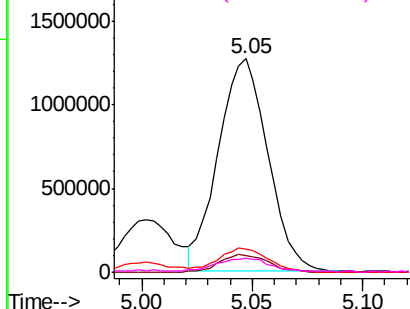
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 1977853

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.9	10.3
42	10.5	8.8	13.2
44	6.5	5.0	7.6



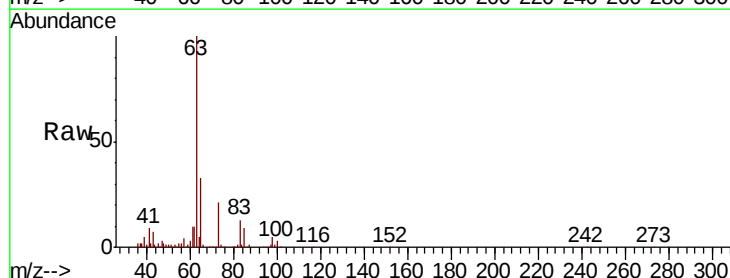
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



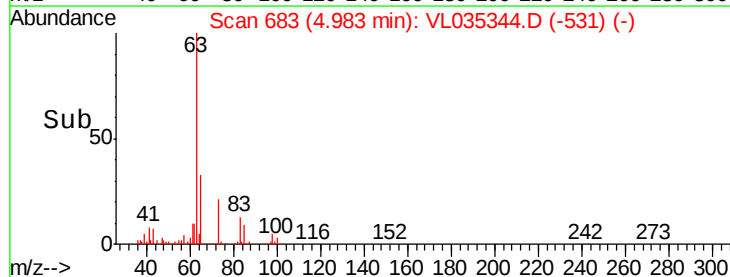
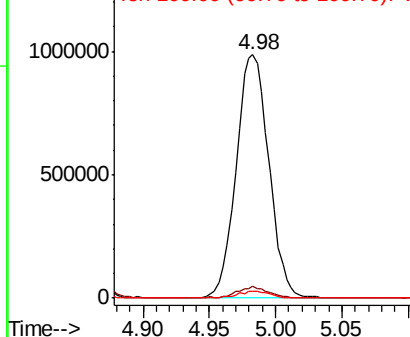
#24
 1,1-Dichloroethane
 Concen: 9.185 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

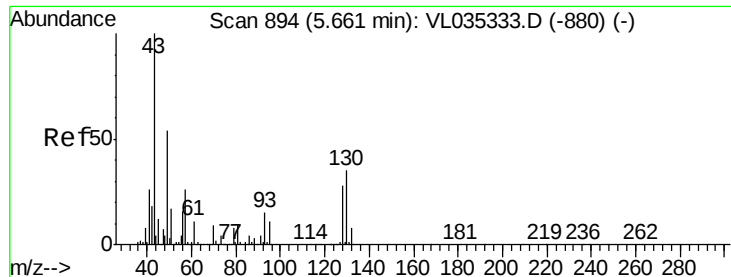
Tgt Ion: 63 Resp: 1687047

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.5
100	2.6	1.4	4.2



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



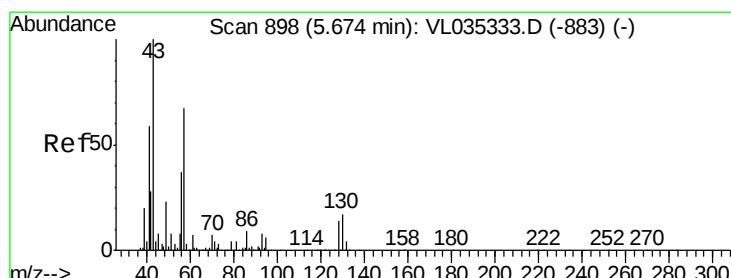
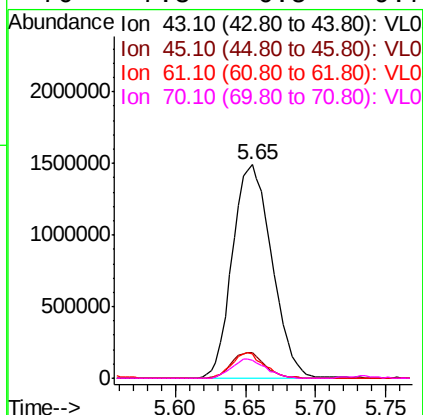
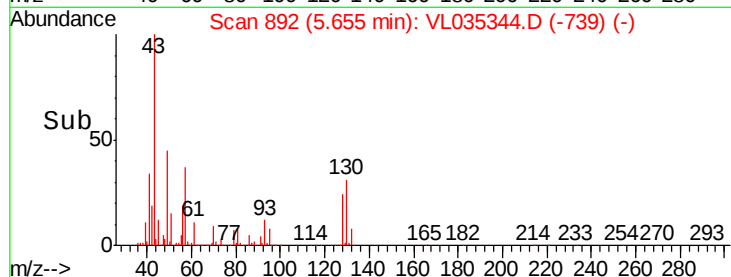
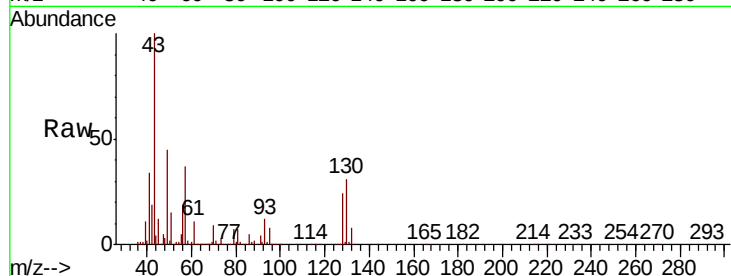


#25
Ethyl Acetate
Concen: 9.441 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2923924

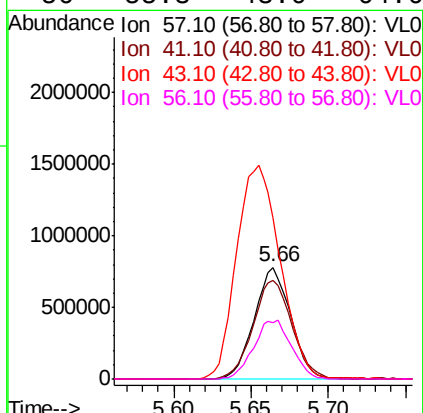
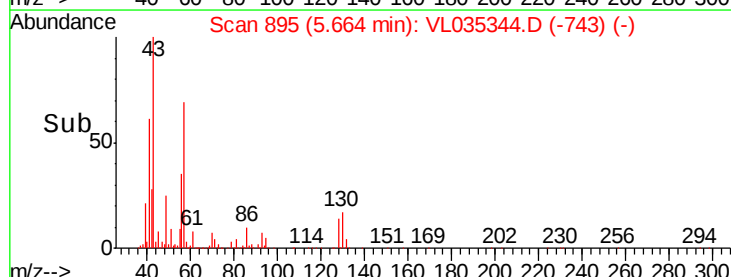
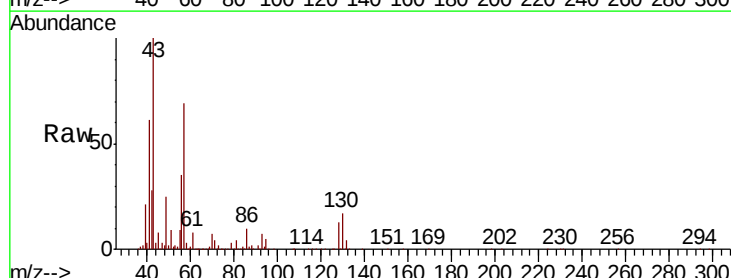
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	10.1	8.1	12.1
70	7.8	6.5	9.7

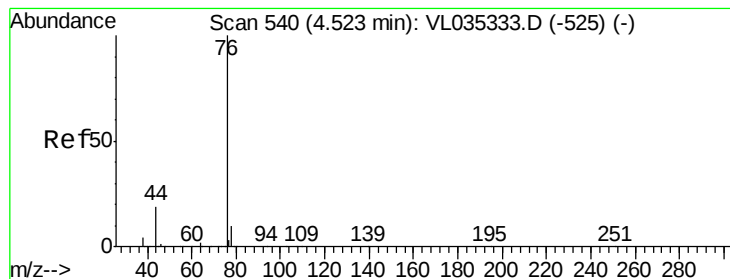


#26
Hexane
Concen: 9.478 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 57 Resp: 1273309

Ion	Ratio	Lower	Upper
57	100		
41	94.9	75.2	112.8
43	230.5	180.6	270.8
56	55.3	43.0	64.6





#27

Carbon Disulfide

Concen: 9.451 ppbv

RT: 4.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

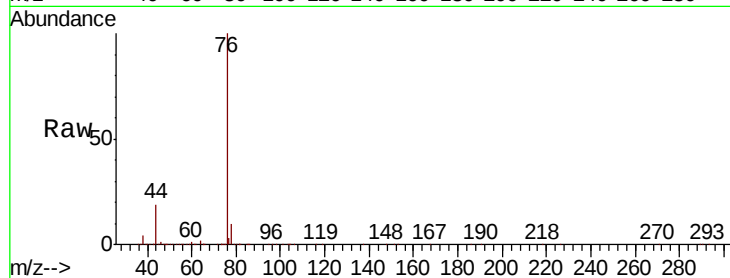
Tot Ion: 76 Resp: 1775361

Ion Ratio Lower Upper

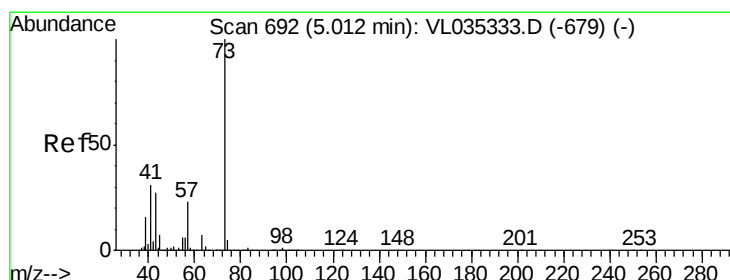
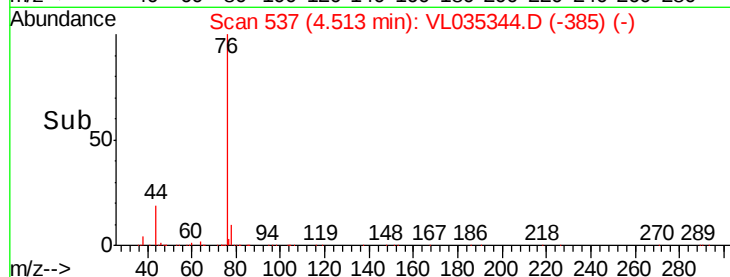
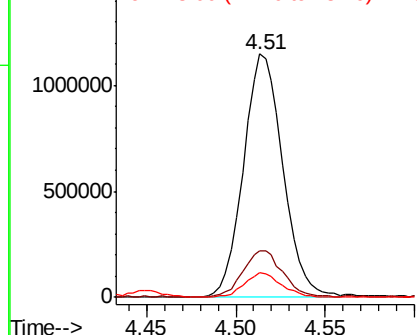
76 100

44 19.7 15.4 23.2

78 9.9 7.7 11.5



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



#28

Methyl tert-Butyl Ether

Concen: 10.104 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL035344.D

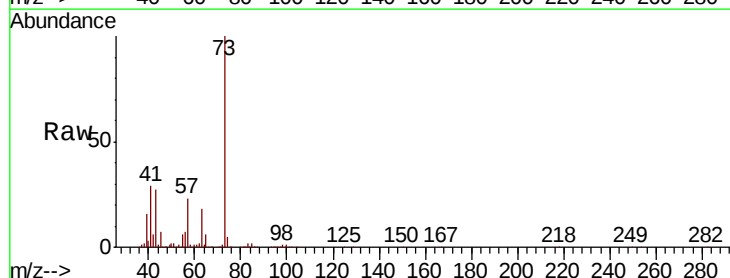
Acq: 6 Aug 2020 10:09

Tgt Ion: 73 Resp: 1973622

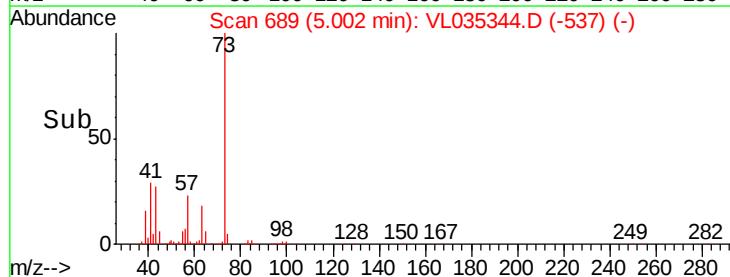
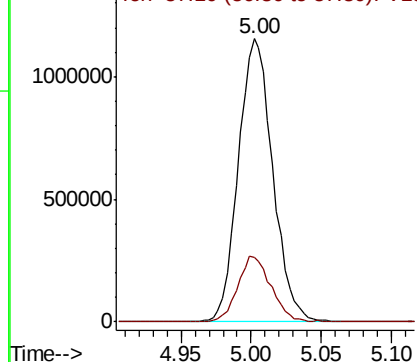
Ion Ratio Lower Upper

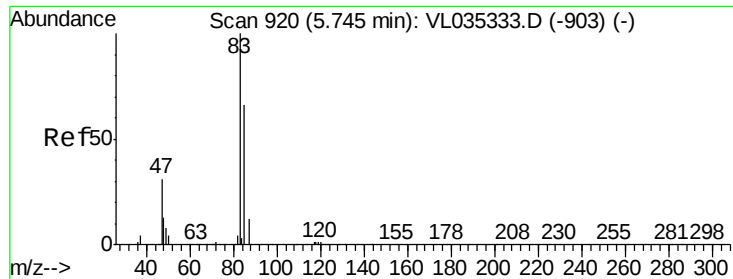
73 100

57 22.6 17.9 26.9



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

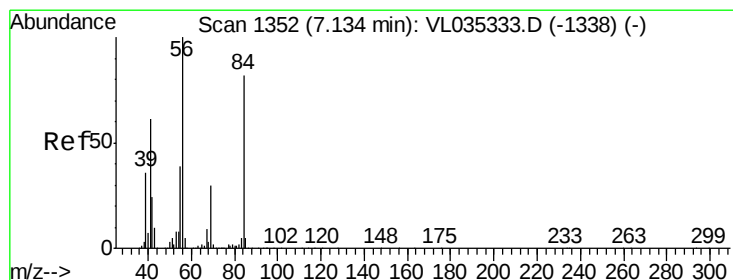
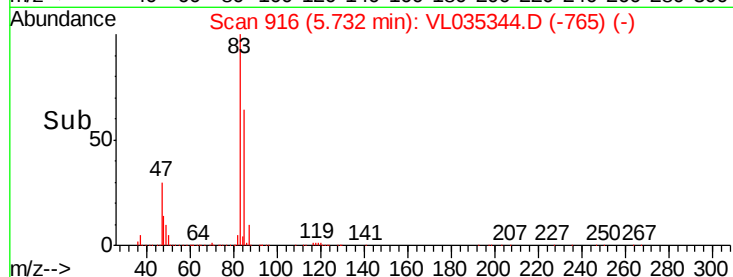
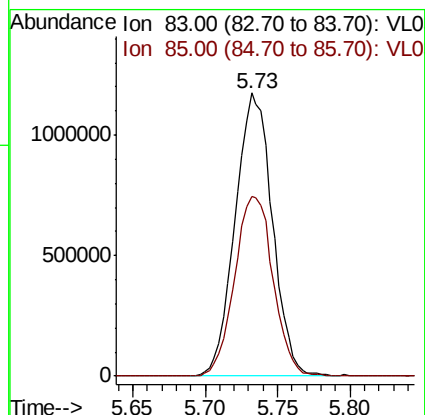
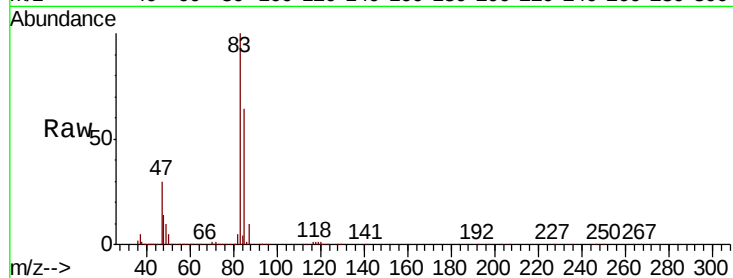




#29
Chloroform
Concen: 9.030 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

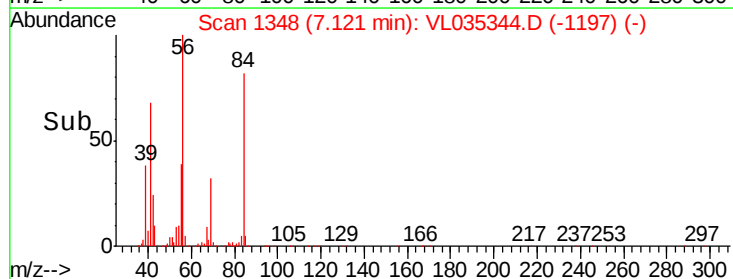
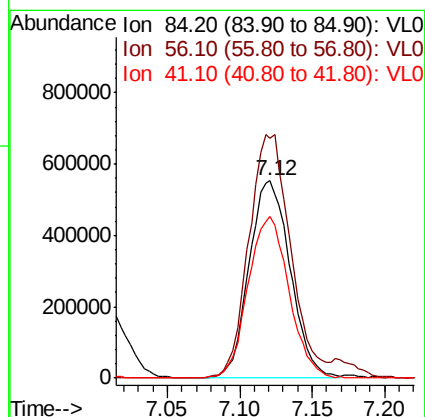
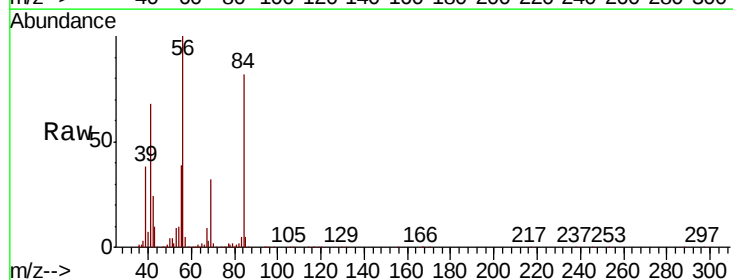
Instrument :
MSVOA_L
ClientSampleId :

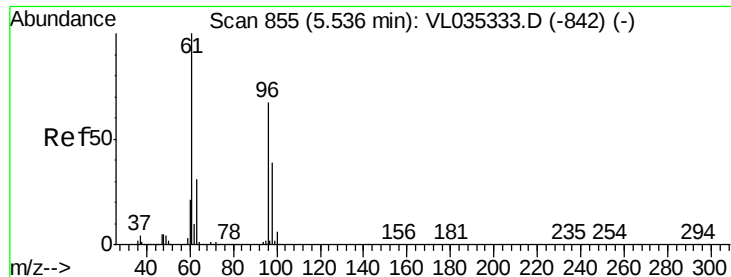
Tot Ion: 83 Resp: 2091302
Ion Ratio Lower Upper
83 100
85 63.5 52.9 79.3



#30
Cyclohexane
Concen: 10.731 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 84 Resp: 1093194
Ion Ratio Lower Upper
84 100
56 131.7 104.7 157.1
41 81.8 64.2 96.2



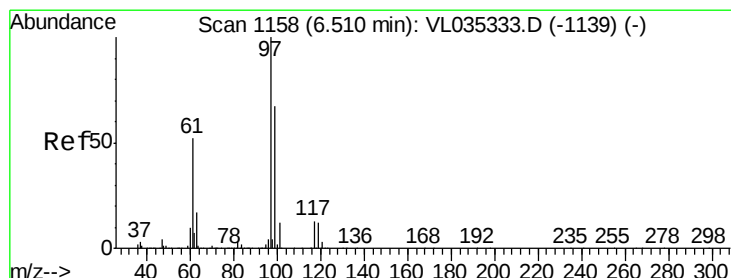
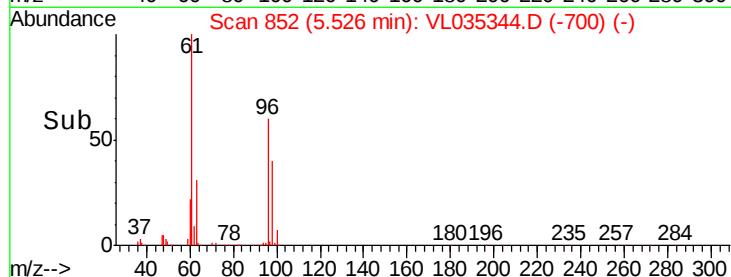
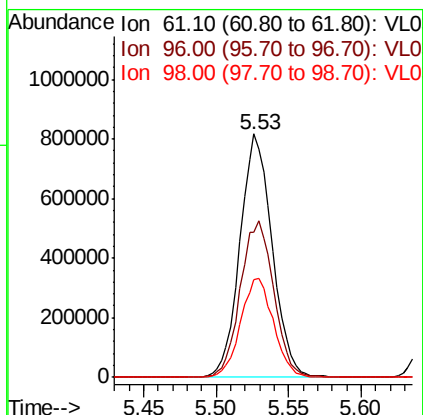
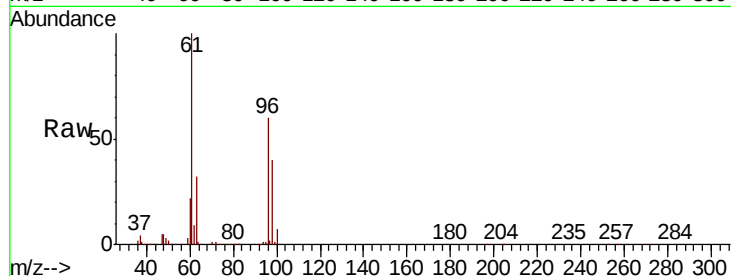


#31

cis-1,2-Dichloroethene
 Concen: 10.582 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :

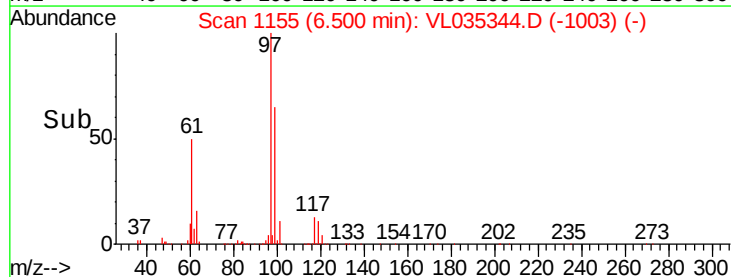
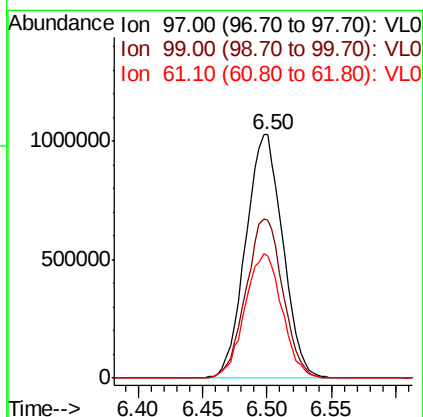
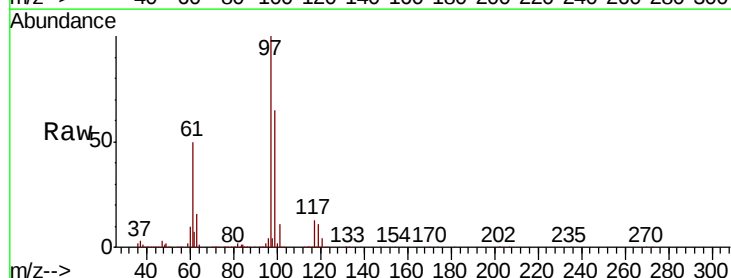
Tot Ion: 61 Resp: 1263809
 Ion Ratio Lower Upper
 61 100
 96 59.6 53.6 80.4
 98 40.1 31.0 46.4

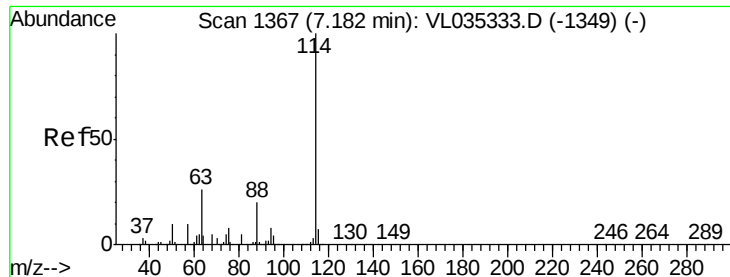


#32

1,1,1-Trichloroethane
 Concen: 8.472 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion: 97 Resp: 2062229
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.2 78.4
 61 51.4 40.9 61.3

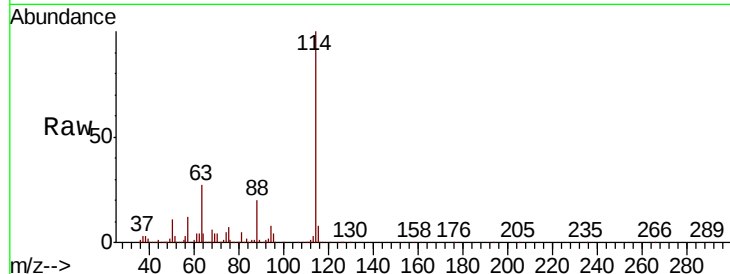




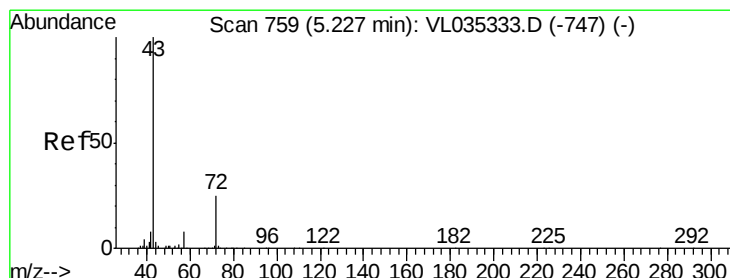
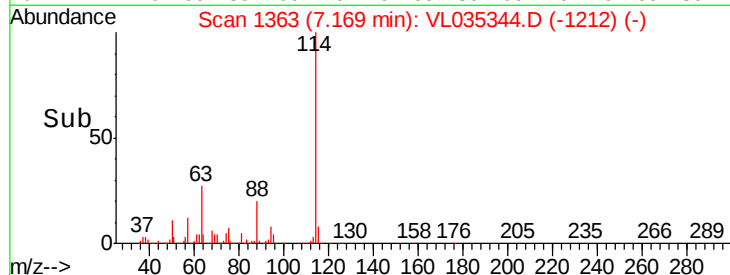
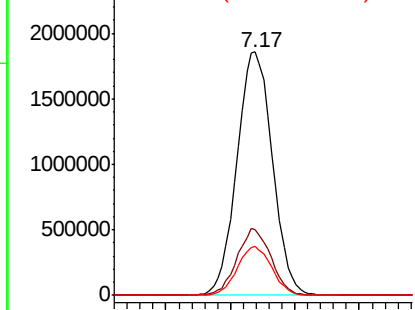
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 3553113
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.3 31.9
 88 19.5 15.3 22.9

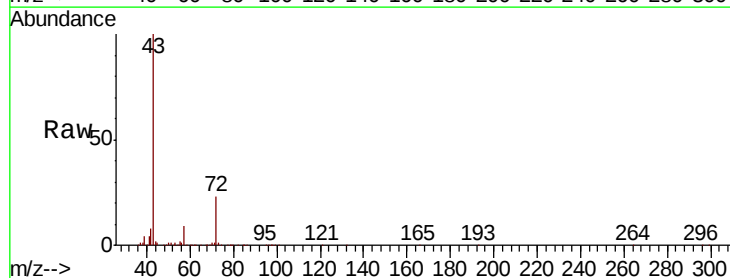


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

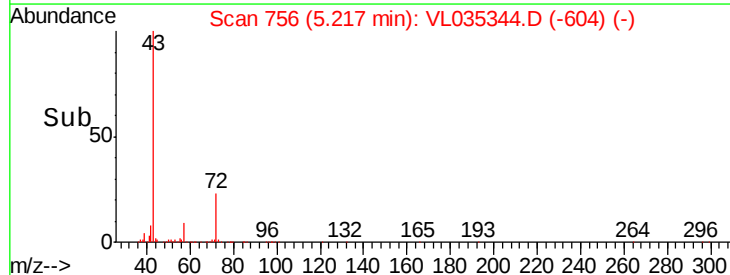
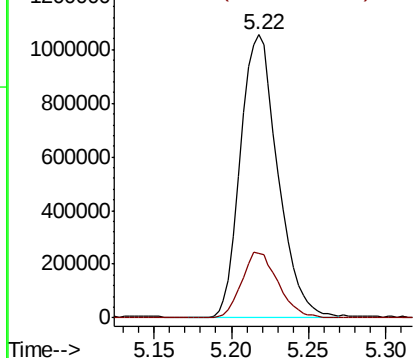


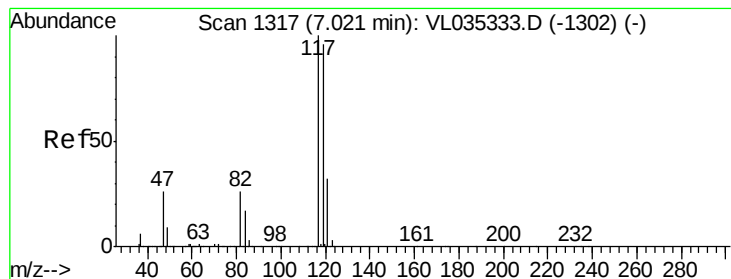
#34
 2-Butanone
 Concen: 10.141 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion: 43 Resp: 1774156
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.9 28.3



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





#35

Carbon Tetrachloride

Concen: 9.047 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampled :

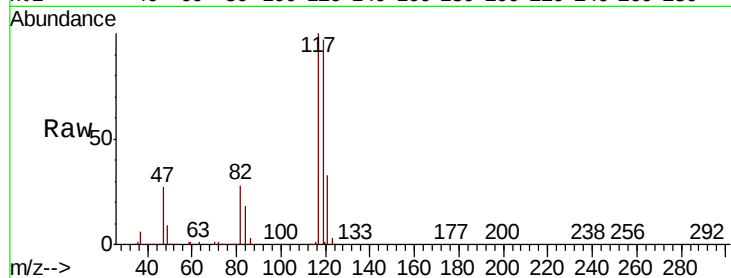
Tot Ion:117 Resp: 2212083

Ion Ratio Lower Upper

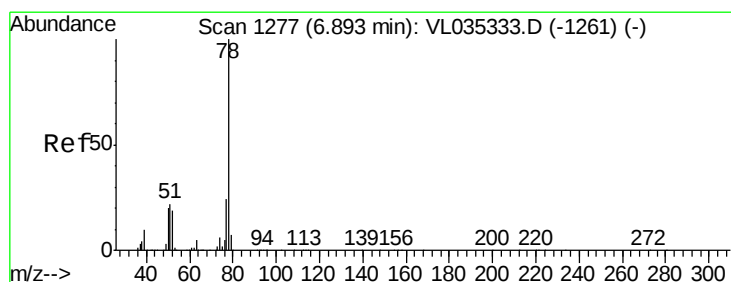
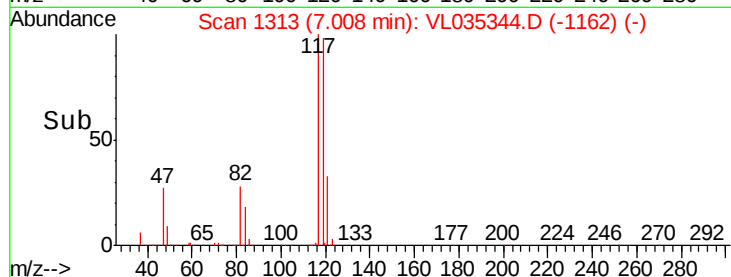
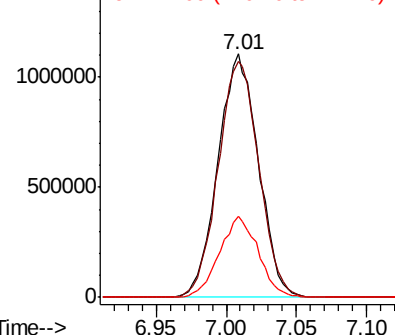
117 100

119 96.9 77.0 115.6

121 33.2 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V
1500000
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.650 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

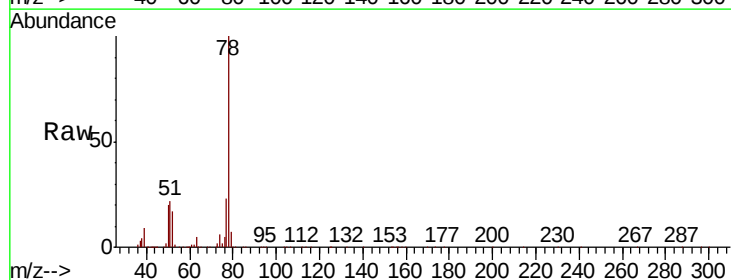
Tgt Ion: 78 Resp: 2555131

Ion Ratio Lower Upper

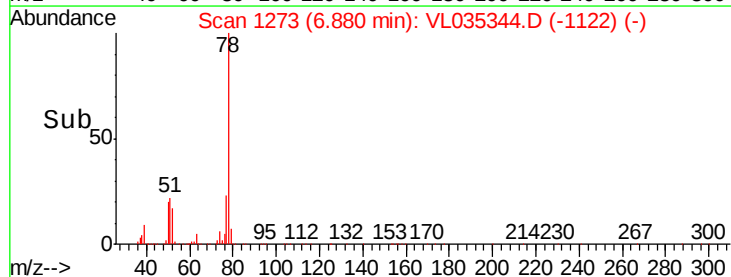
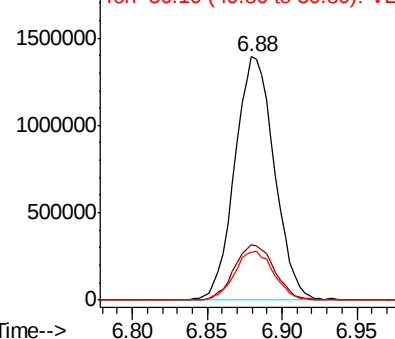
78 100

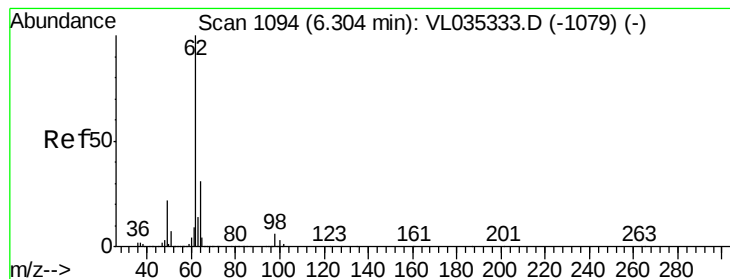
77 22.5 19.3 28.9

50 19.7 16.3 24.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
1500000
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.629 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

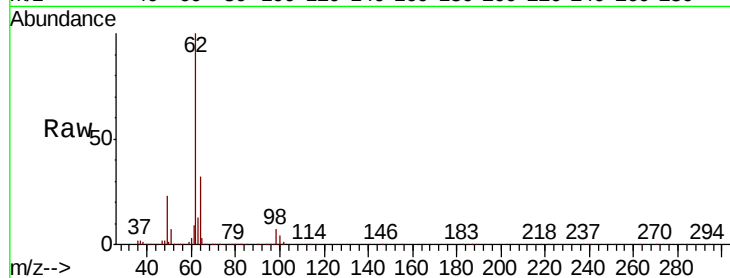
ClientSampleId :

Tot Ion: 62 Resp: 1613934

Ion Ratio Lower Upper

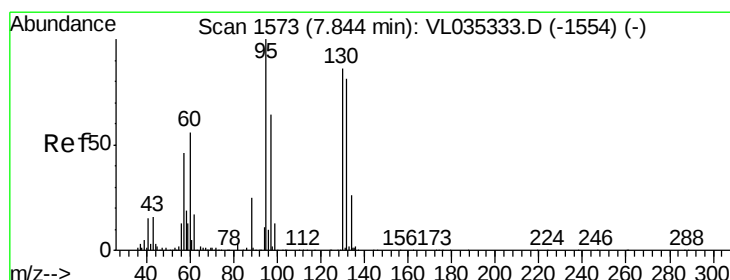
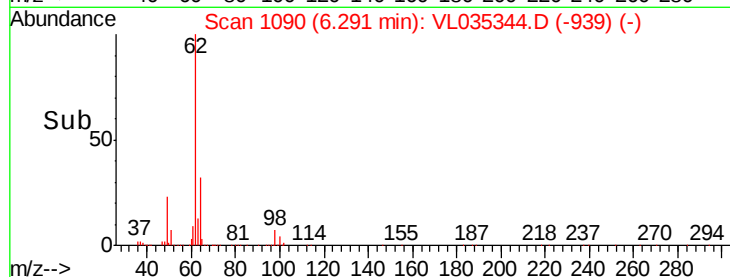
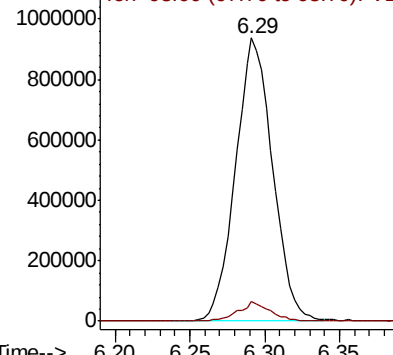
62 100

98 5.9 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.917 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tgt Ion:130 Resp: 1097540

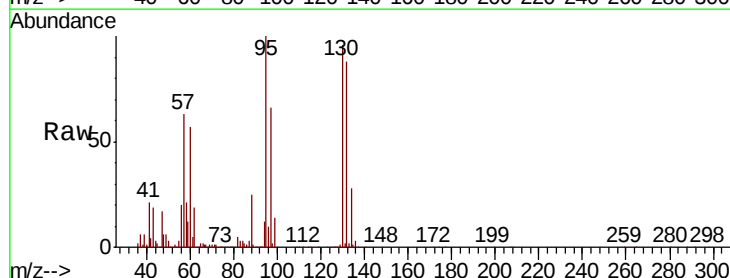
Ion Ratio Lower Upper

130 100

95 104.2 93.4 140.2

132 91.3 76.1 114.1

97 68.8 59.4 89.2

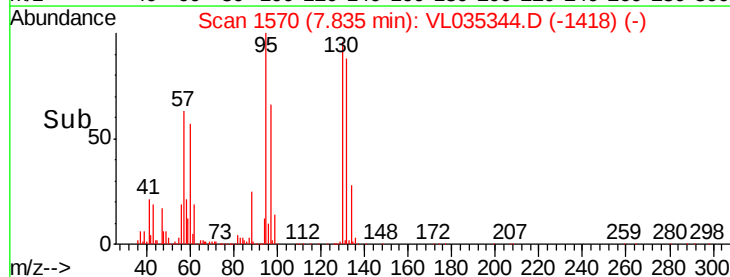
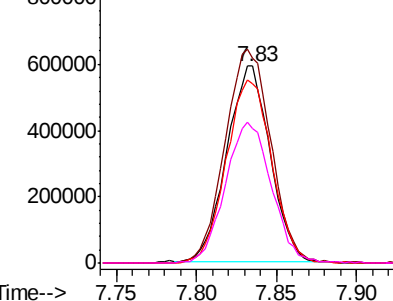


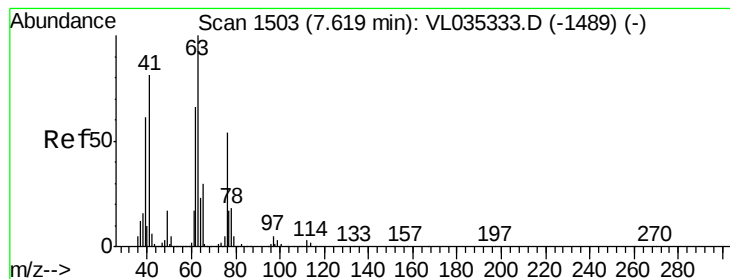
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

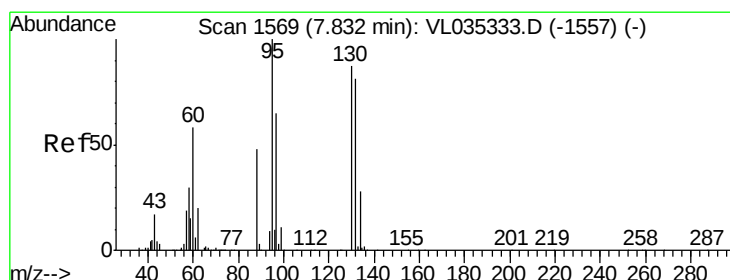
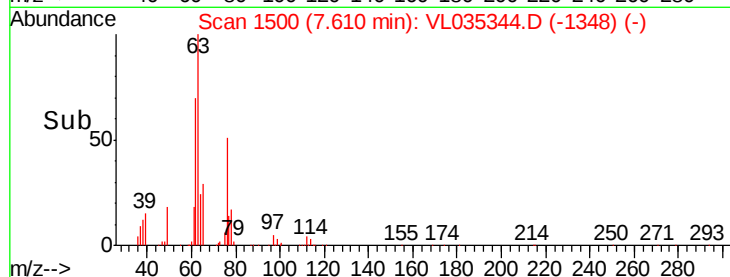
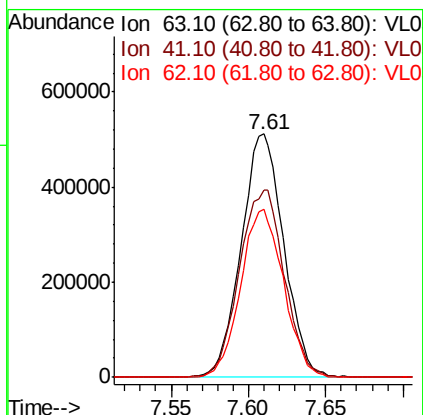
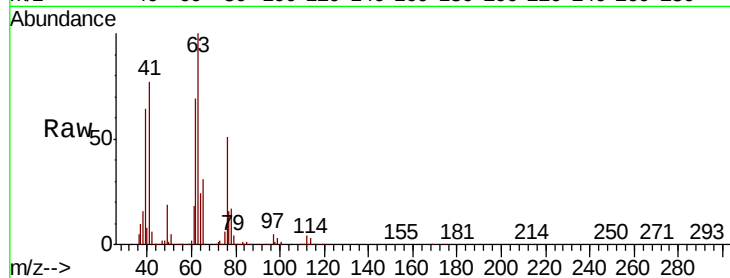




#39
 1,2-Dichloropropane
 Concen: 10.083 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

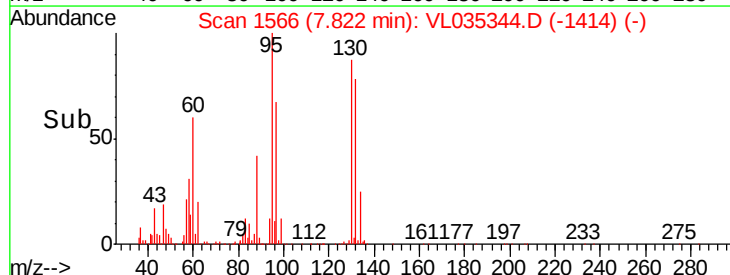
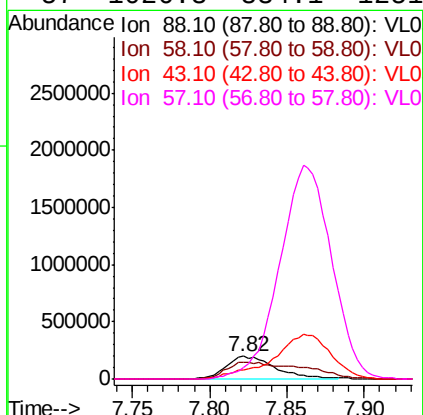
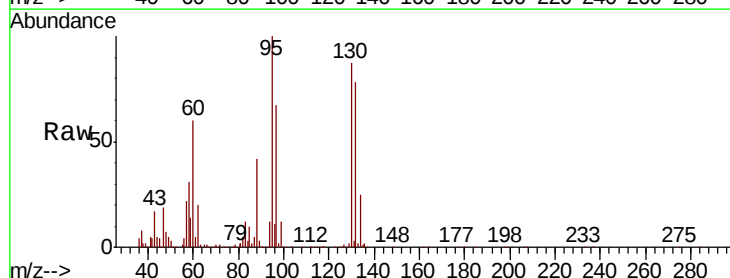
Instrument :
 MSVOA_L
 ClientSampleId :

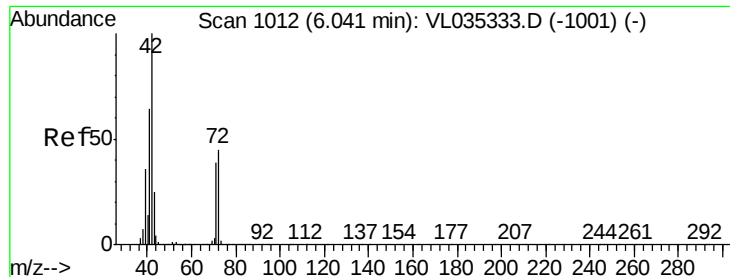
Tot Ion: 63 Resp: 979392
 Ion Ratio Lower Upper
 63 100
 41 76.9 64.4 96.6
 62 69.1 52.6 78.8



#40
 1,4-Dioxane
 Concen: 10.263 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion: 88 Resp: 426891
 Ion Ratio Lower Upper
 88 100
 58 122.7 96.7 145.1
 43 238.4 190.7 286.1
 57 1026.3 834.1 1251.1

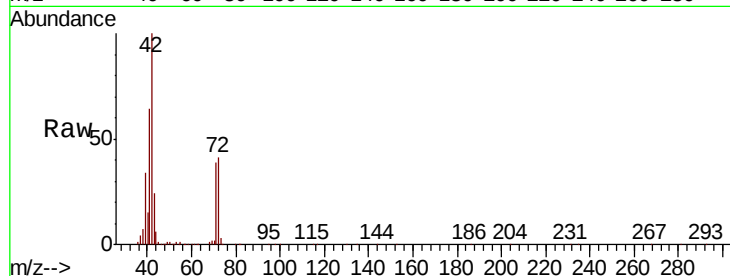




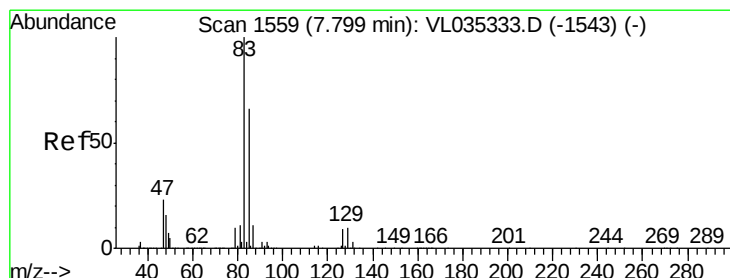
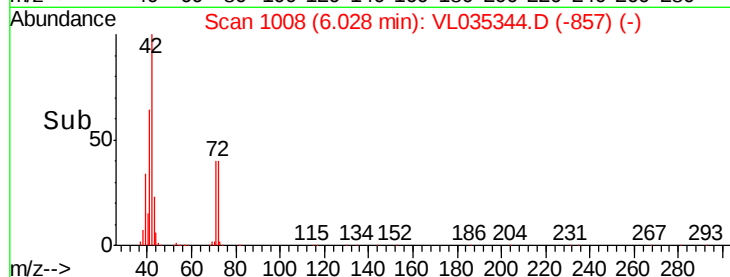
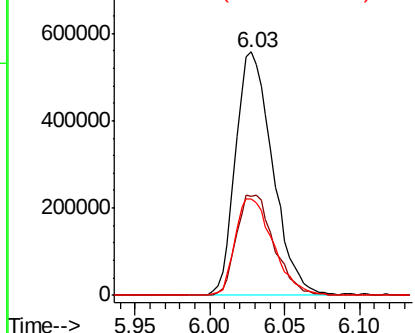
#41
Tetrahydrofuran
Concen: 11.212 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 962638
Ion Ratio Lower Upper
42 100
72 42.0 33.6 50.4
71 40.8 33.1 49.7

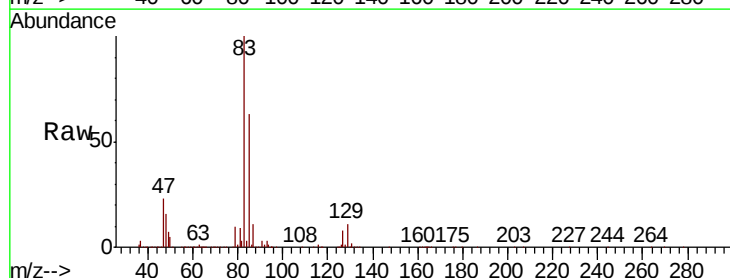


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

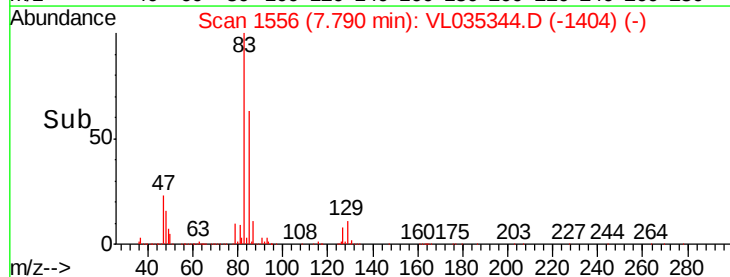
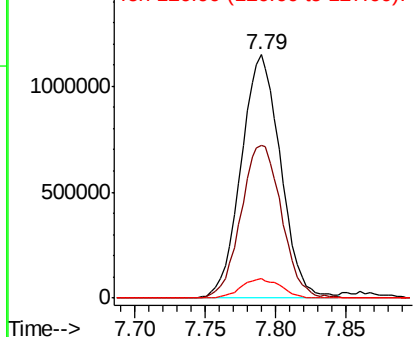


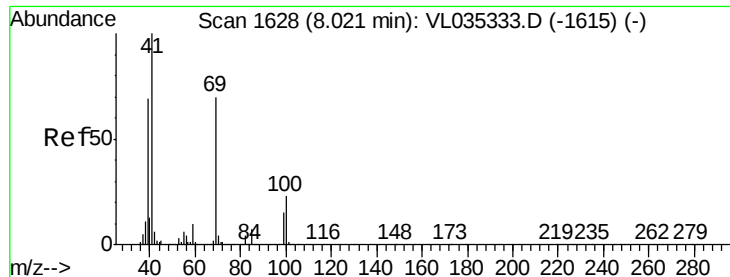
#42
Bromodichloromethane
Concen: 9.996 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion: 83 Resp: 2249996
Ion Ratio Lower Upper
83 100
85 62.8 53.1 79.7
127 8.2 6.8 10.2



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





#43

Methyl Methacrylate

Concen: 11.370 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

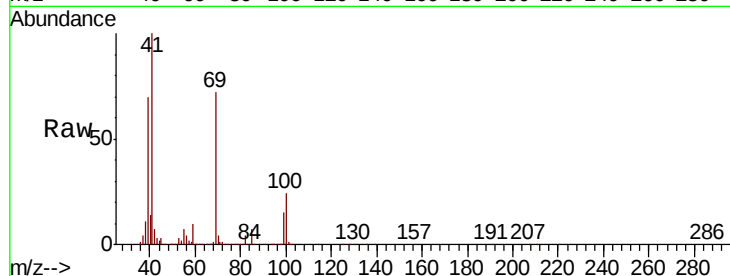
Tot Ion: 69 Resp: 1147632

Ion Ratio Lower Upper

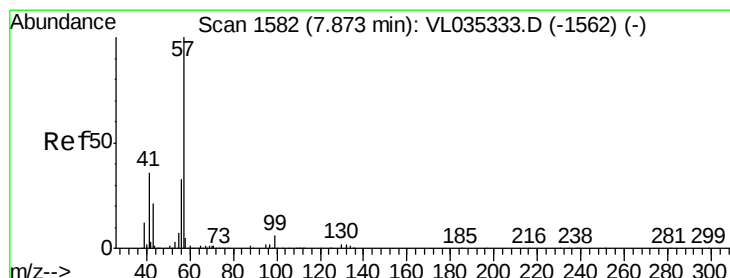
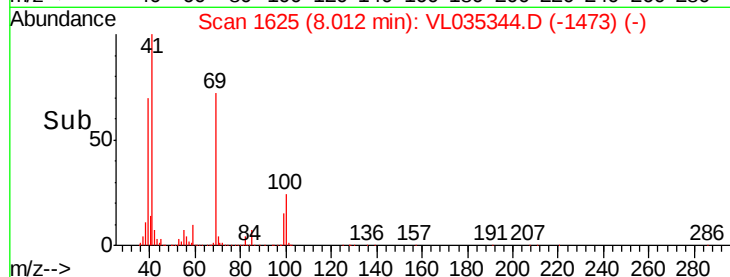
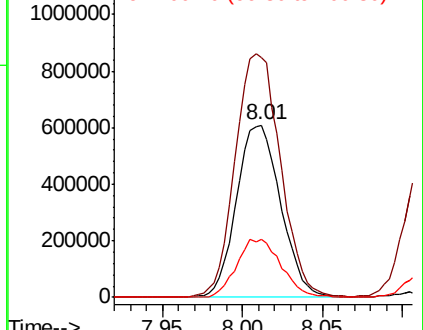
69 100

41 144.7 115.8 173.6

100 34.1 26.7 40.1



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: 10.244 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

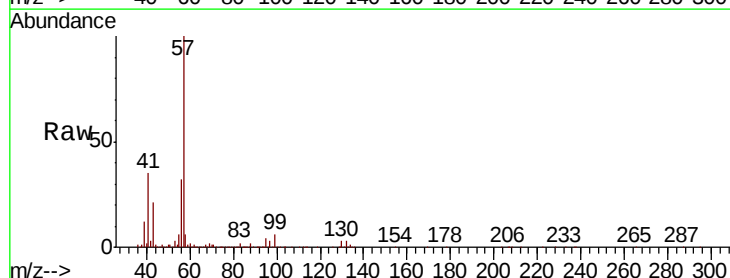
Tgt Ion: 57 Resp: 4366636

Ion Ratio Lower Upper

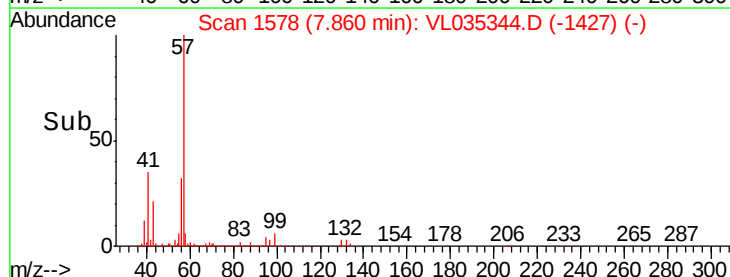
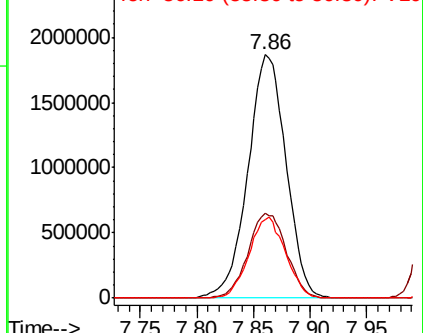
57 100

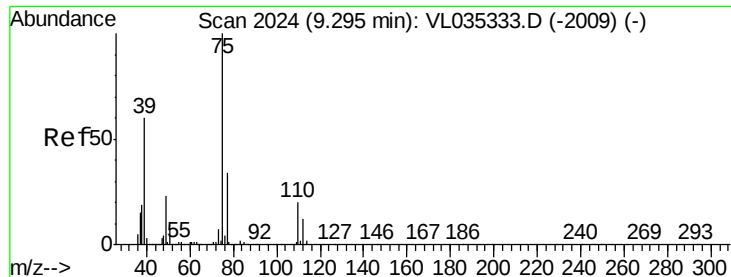
41 35.2 27.9 41.9

56 31.9 25.4 38.0



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

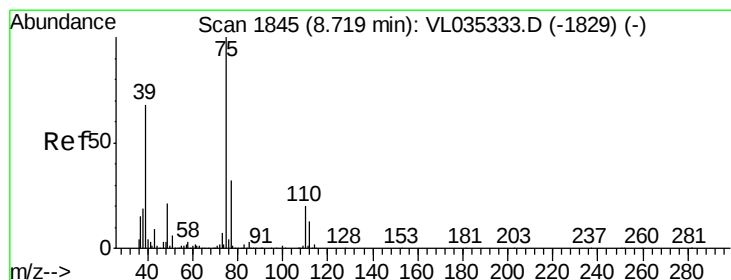
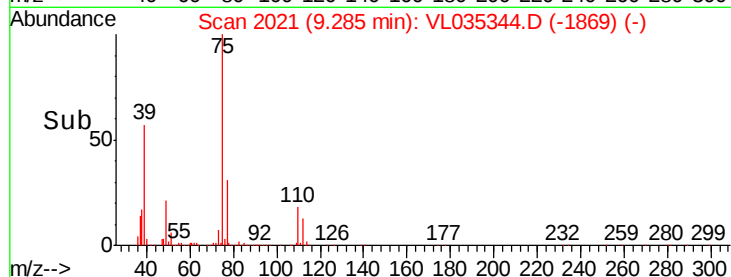
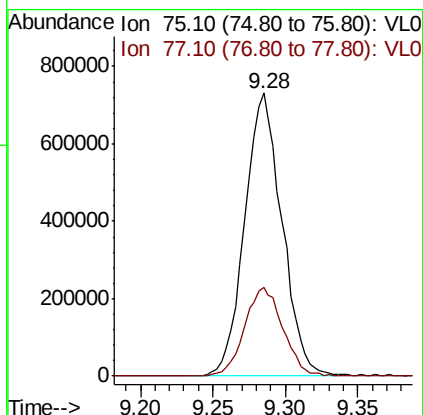
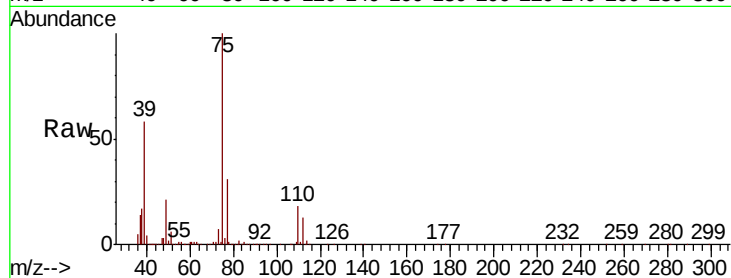




#45
 t-1,3-Dichloropropene
 Concen: 12.494 ppbv
 RT: 9.28 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

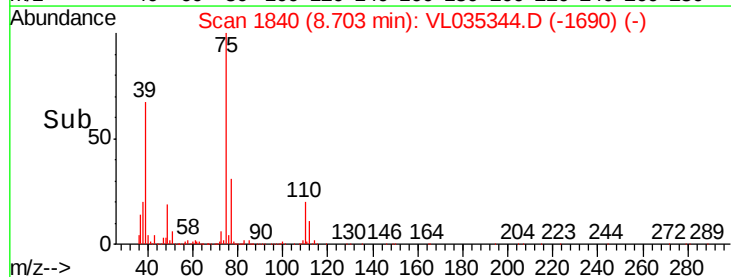
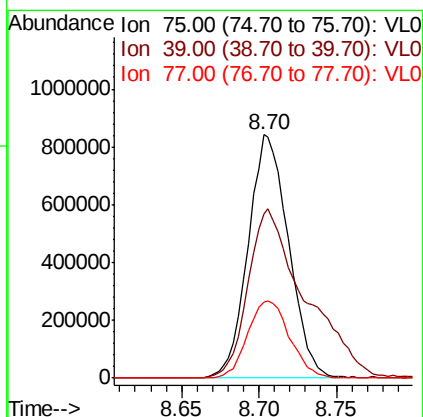
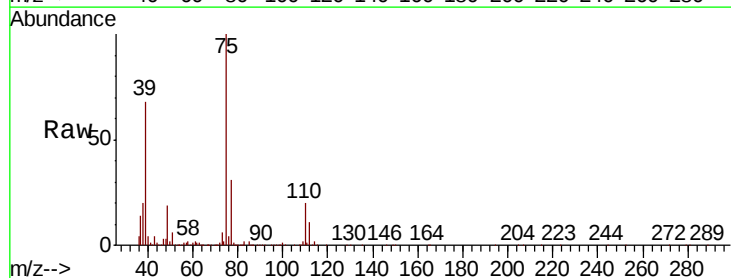
Instrument :
 MSVOA_L
 ClientSampleId :

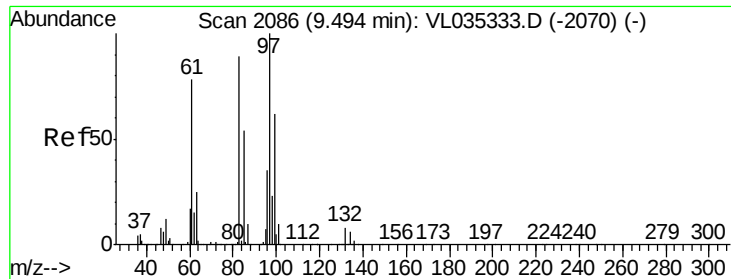
Tot Ion: 75 Resp: 1308186
 Ion Ratio Lower Upper
 75 100
 77 31.3 27.0 40.6



#46
 cis-1,3-Dichloropropene
 Concen: 12.121 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. -0.02 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion: 75 Resp: 1532757
 Ion Ratio Lower Upper
 75 100
 39 67.5 54.2 81.2
 77 31.2 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 9.651 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1127075

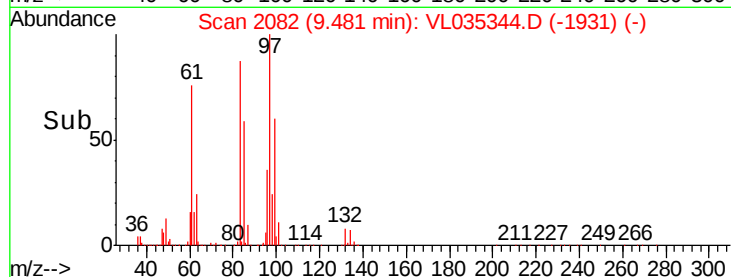
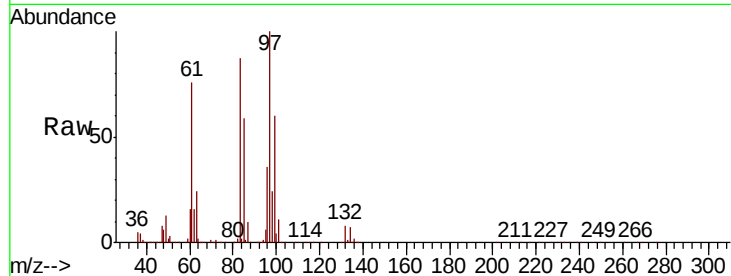
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.3	106.9
85	59.5	43.3	64.9
99	60.1	49.8	74.8

97 100

83 87.3 71.3 106.9

85 59.5 43.3 64.9

99 60.1 49.8 74.8



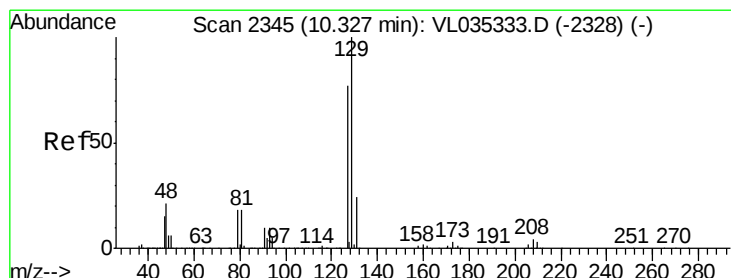
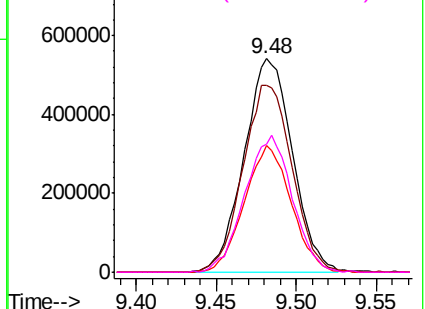
Abundance

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: 10.287 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035344.D

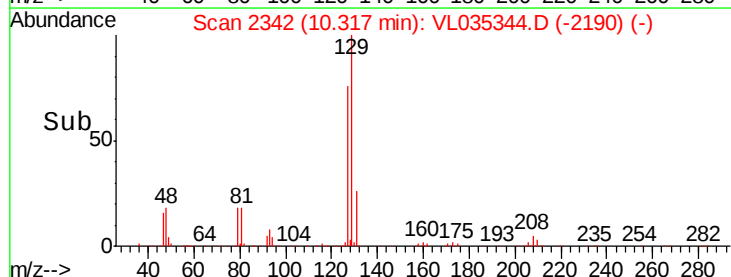
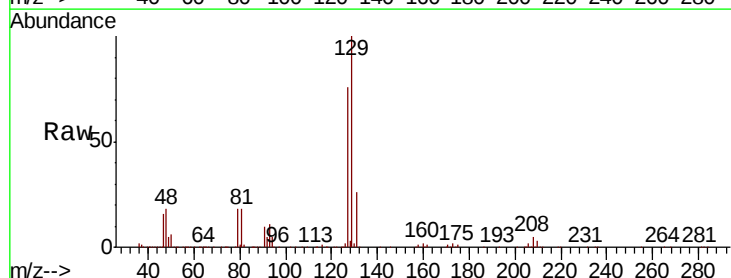
Acq: 6 Aug 2020 10:09

Tgt Ion: 129 Resp: 1967886

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.2

129 100

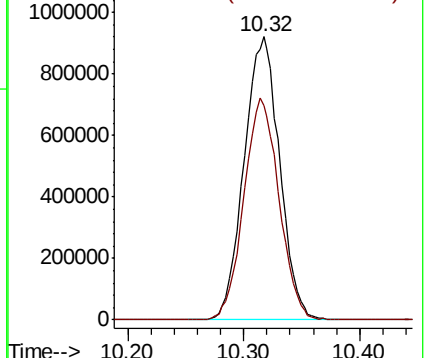
127 77.5 39.1 117.2

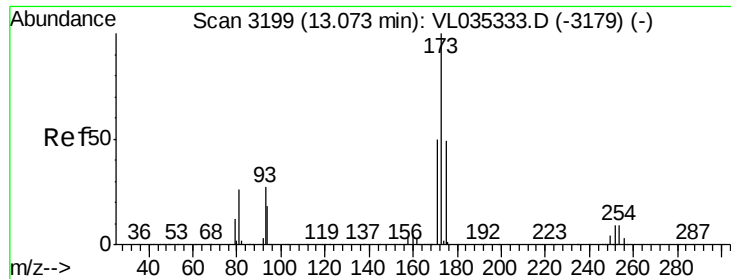


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.328 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampled :

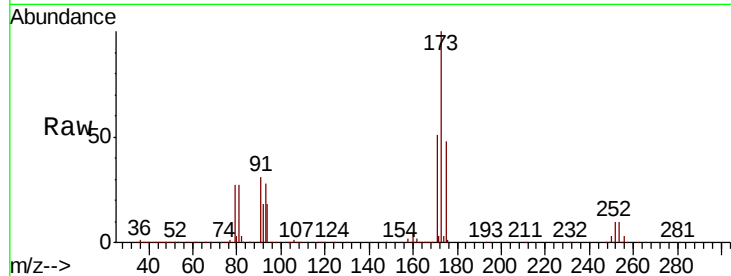
Tot Ion:173 Resp: 1800404

Ion Ratio Lower Upper

173 100

175 50.4 39.3 58.9

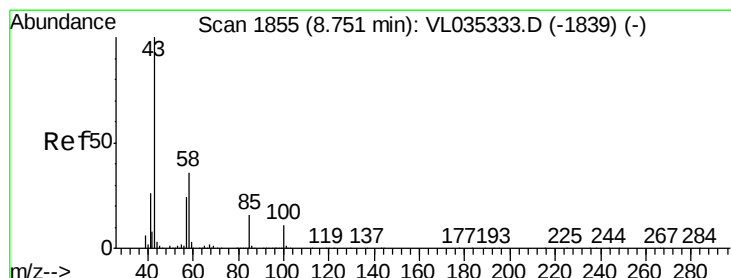
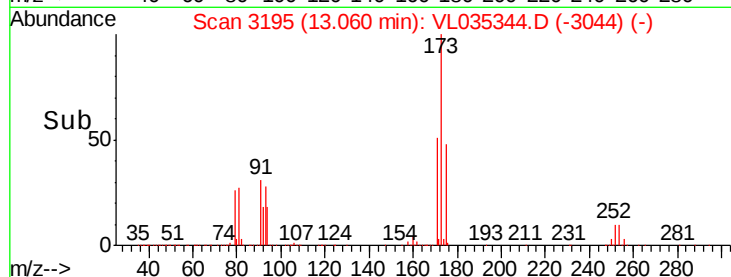
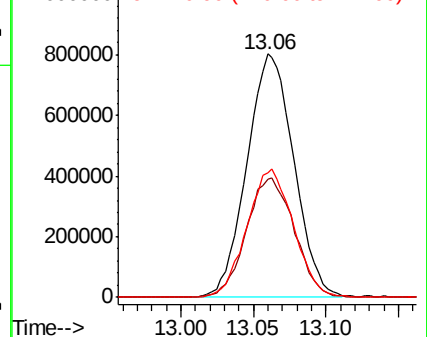
171 52.5 41.2 61.8



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: 10.359 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL035344.D

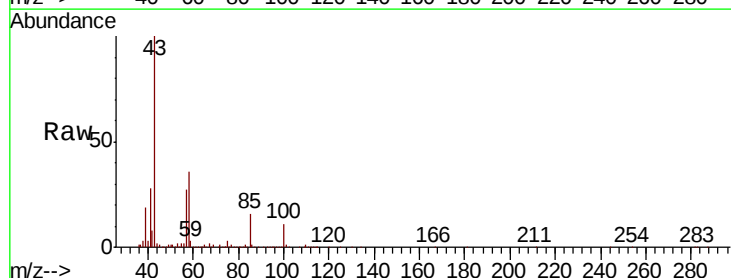
Acq: 6 Aug 2020 10:09

Tgt Ion: 43 Resp: 2766997

Ion Ratio Lower Upper

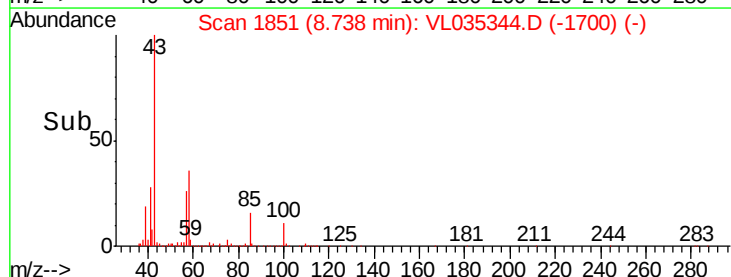
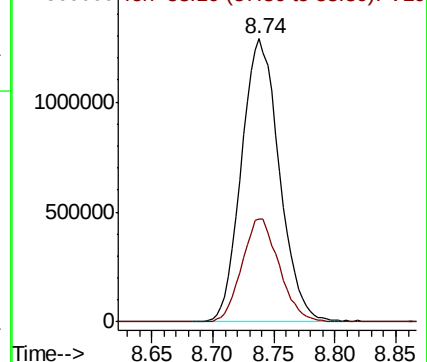
43 100

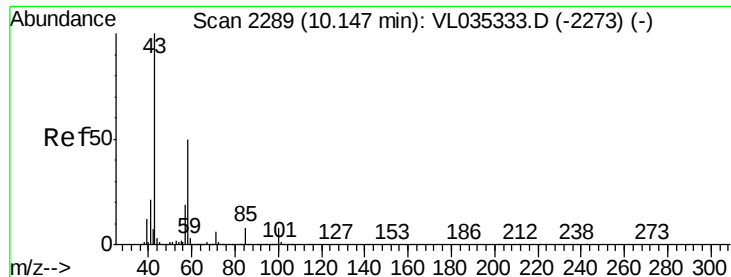
58 35.9 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.802 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

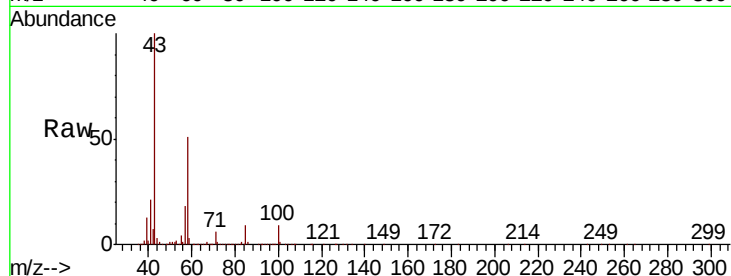
Instrument :

MSVOA_L

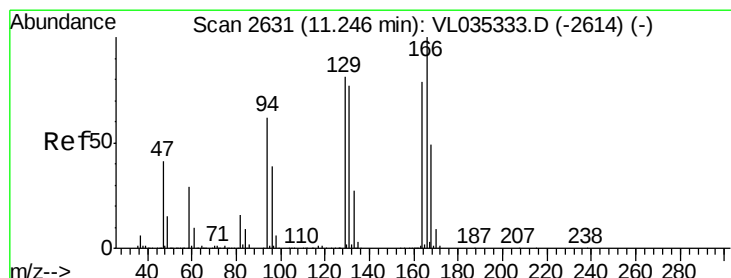
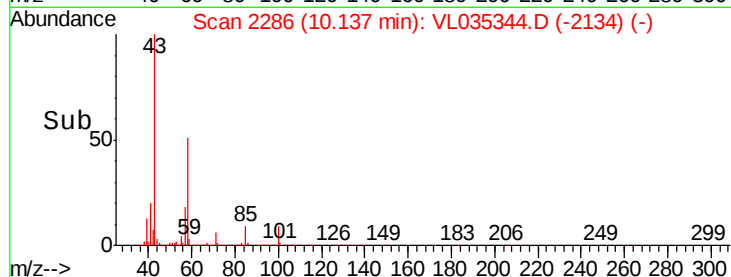
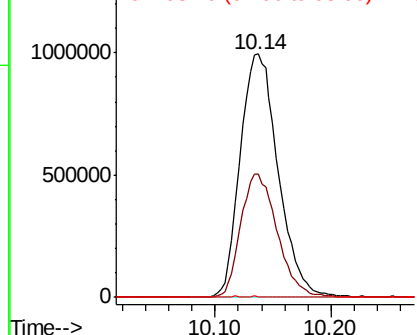
ClientSampleId :

Tot Ion: 43 Resp: 2261946

Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.4	59.2
98	0.6	0.2	0.4#



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: 10.357 ppbv

RT: 11.23 min Scan# 2627

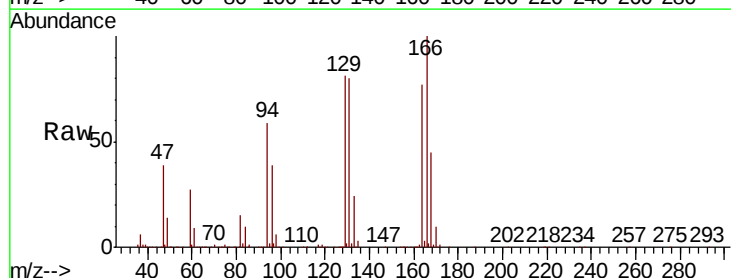
Delta R.T. -0.01 min

Lab File: VL035344.D

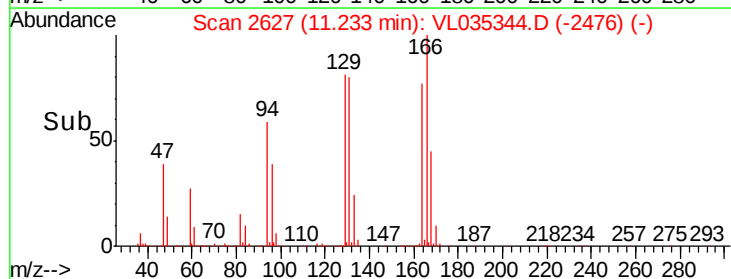
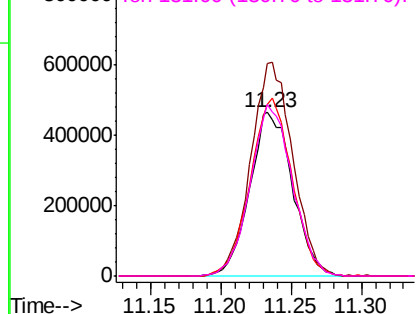
Acq: 6 Aug 2020 10:09

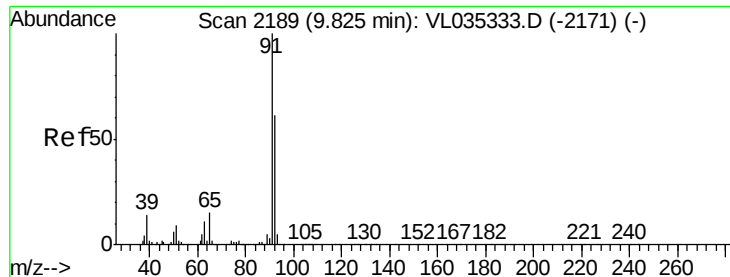
Tgt Ion:164 Resp: 985185

Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.4	152.0
129	105.0	82.1	123.1
131	104.5	78.4	117.6



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: 11.553 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

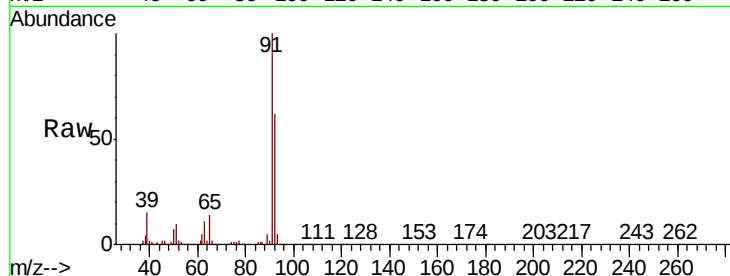
ClientSampleId :

Tot Ion: 91 Resp: 3015246

Ion Ratio Lower Upper

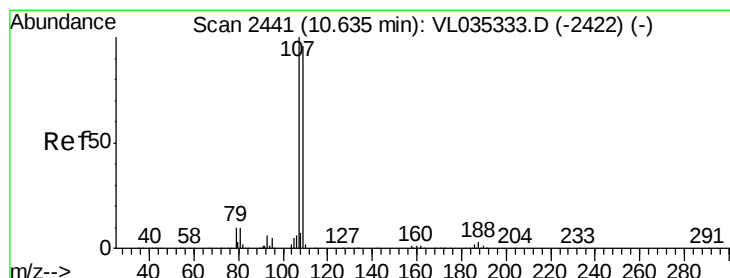
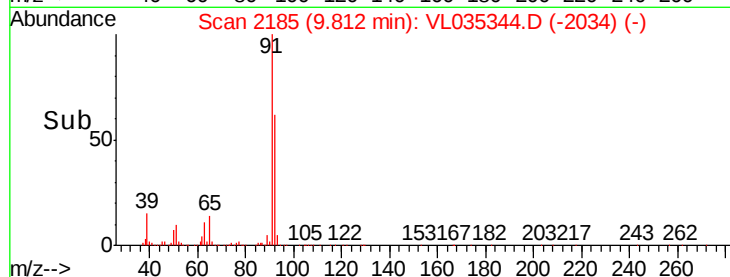
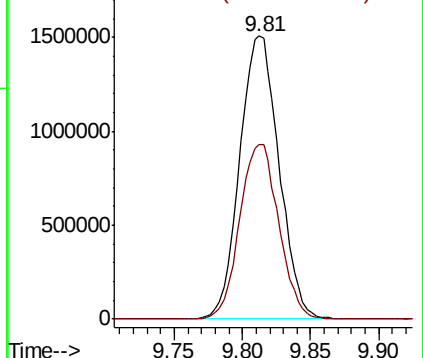
91 100

92 61.4 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.366 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035344.D

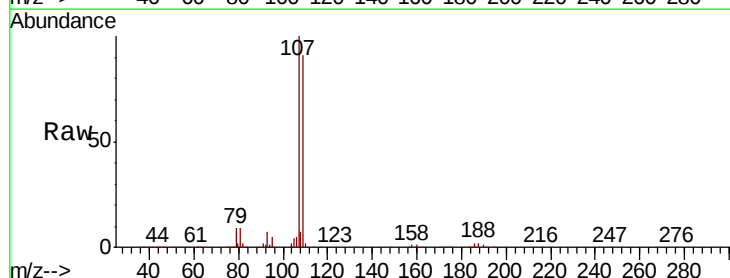
Acq: 6 Aug 2020 10:09

Tgt Ion: 107 Resp: 1736816

Ion Ratio Lower Upper

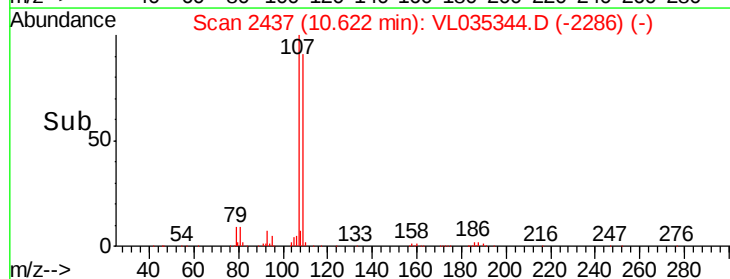
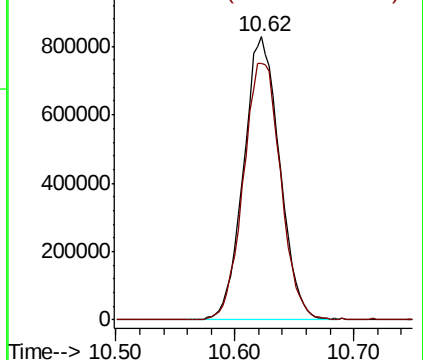
107 100

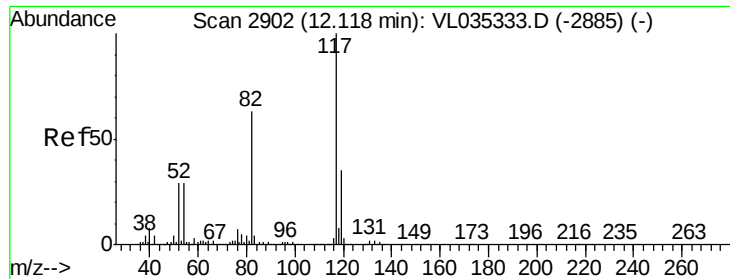
109 90.5 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

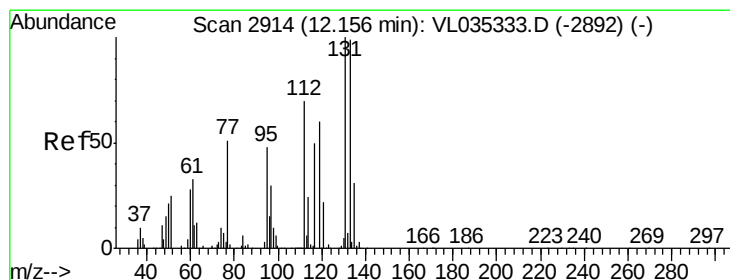
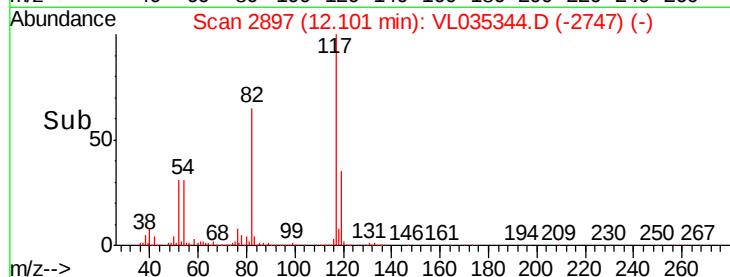
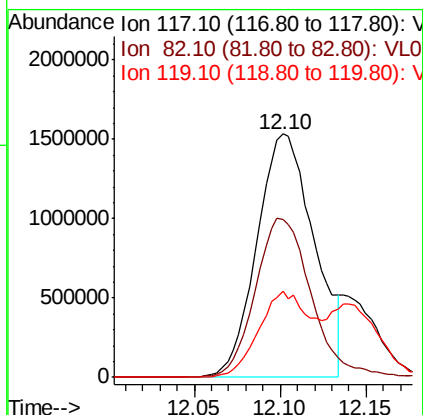
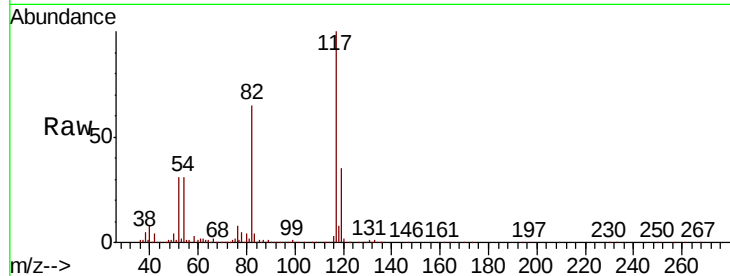




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

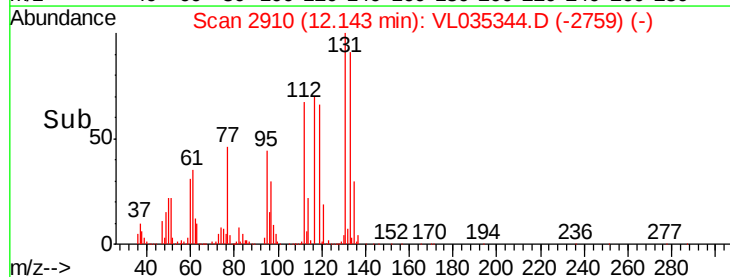
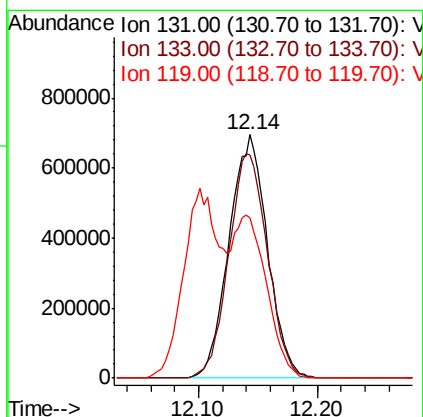
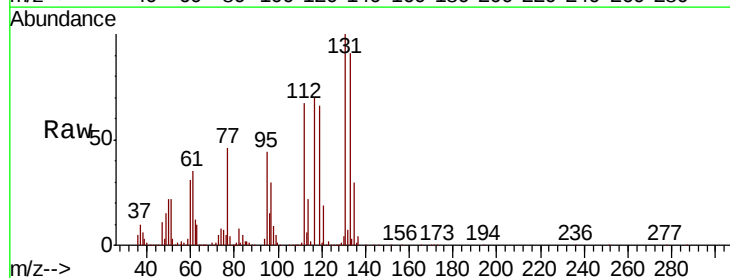
Instrument :
MSVOA_L
ClientSampleId :

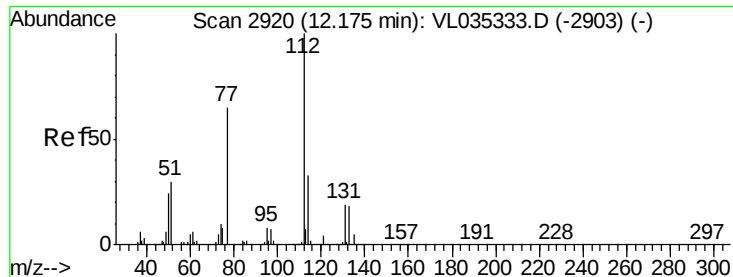
Tot Ion:117 Resp: 3548485
Ion Ratio Lower Upper
117 100
82 64.0 51.0 76.4
119 34.3 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.249 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion:131 Resp: 1549169
Ion Ratio Lower Upper
131 100
133 93.4 75.4 113.2
119 59.9 43.7 65.5





#57

Chlorobenzene

Concen: 9.364 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

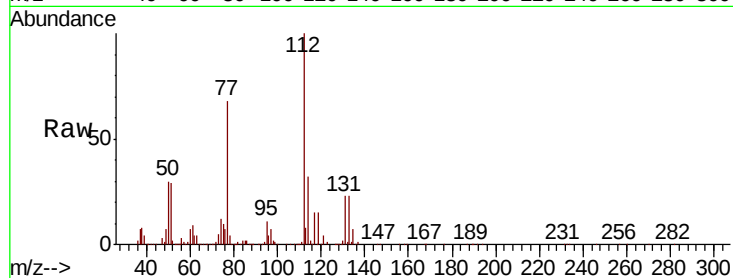
Tot Ion:112 Resp: 2501980

Ion Ratio Lower Upper

112 100

77 67.6 53.3 79.9

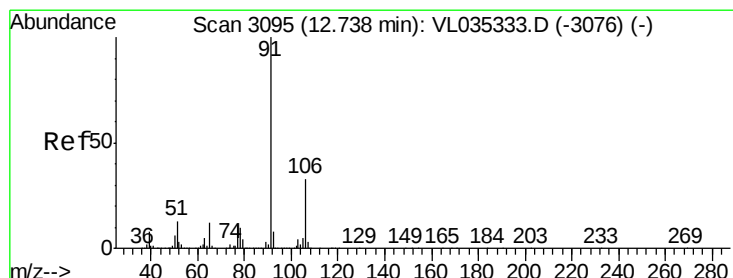
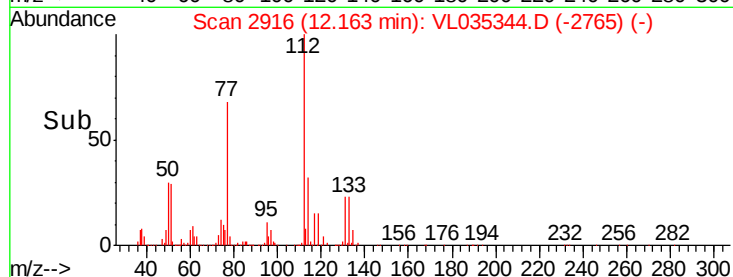
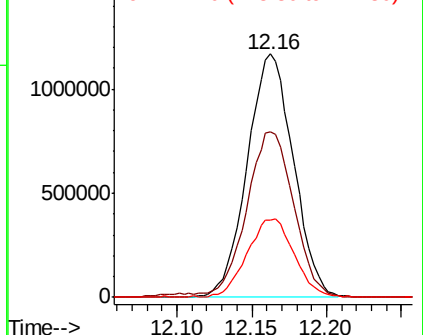
114 31.5 29.8 36.4



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: 11.254 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL035344.D

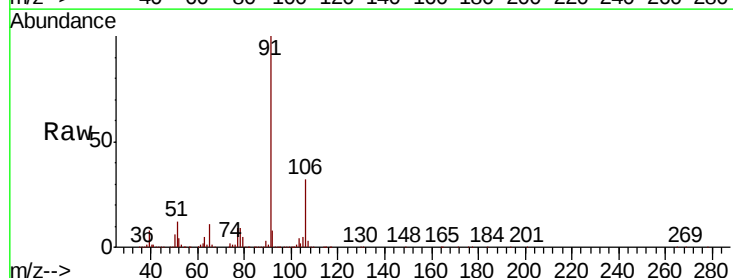
Acq: 6 Aug 2020 10:09

Tgt Ion: 91 Resp: 4155241

Ion Ratio Lower Upper

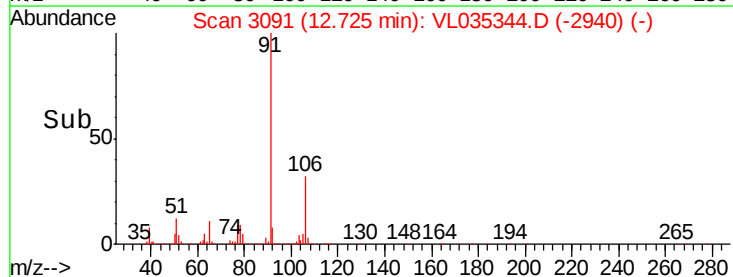
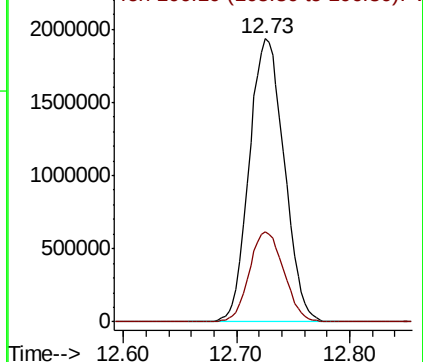
91 100

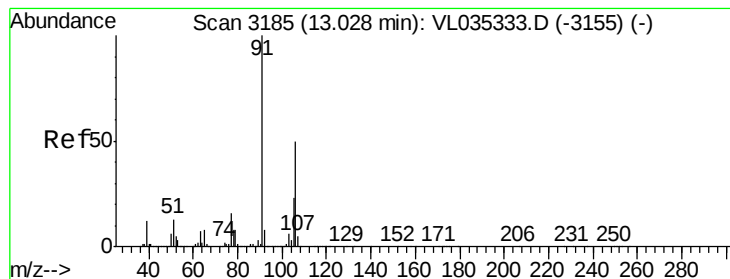
106 31.8 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 12.379 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

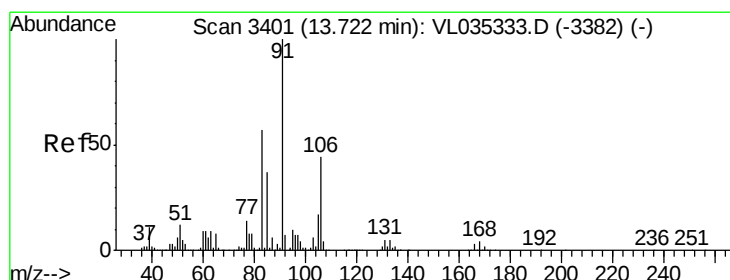
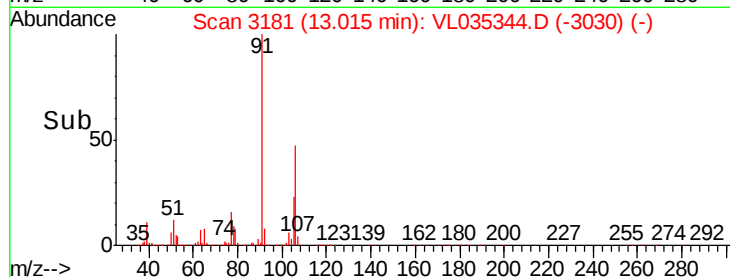
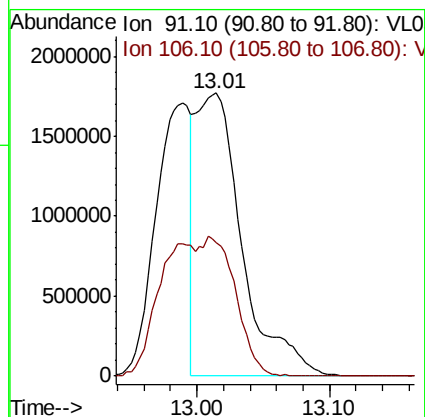
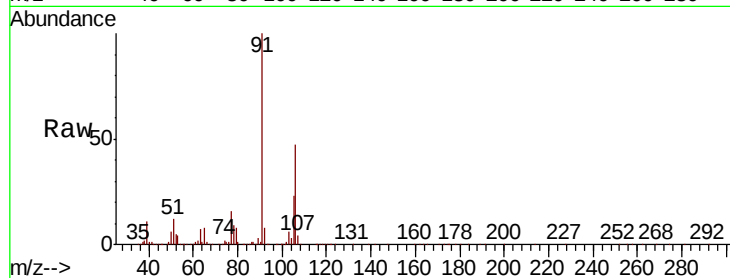
ClientSampled :

Tot Ion: 91 Resp: 4256186

Ion Ratio Lower Upper

91 100

106 77.8 37.8 56.8#



#60

o-Xylene

Concen: 10.411 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.01 min

Lab File: VL035344.D

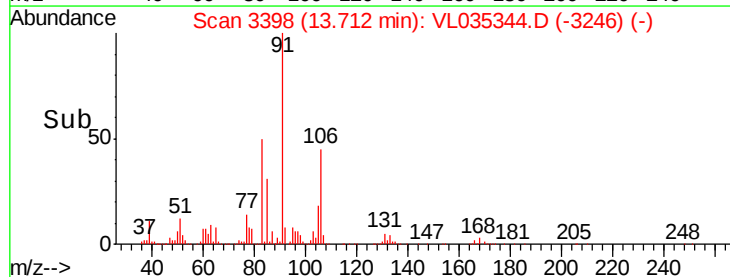
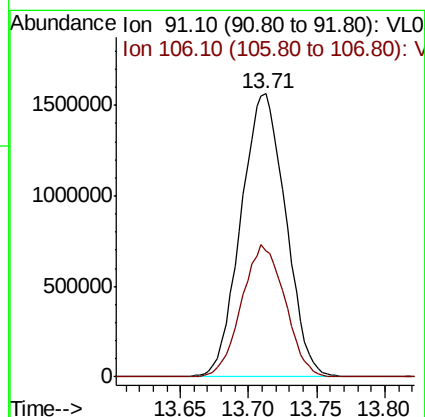
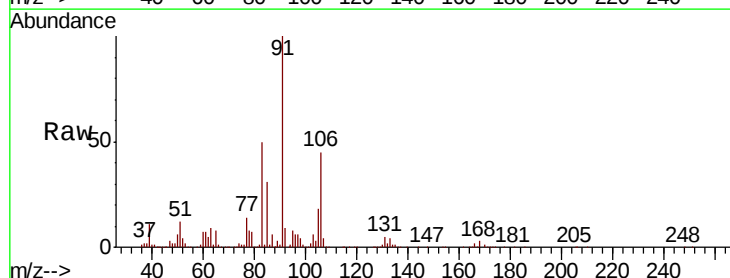
Acq: 6 Aug 2020 10:09

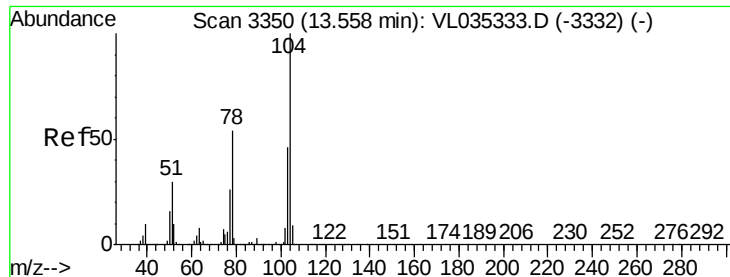
Tgt Ion: 91 Resp: 3552246

Ion Ratio Lower Upper

91 100

106 45.5 22.7 68.0

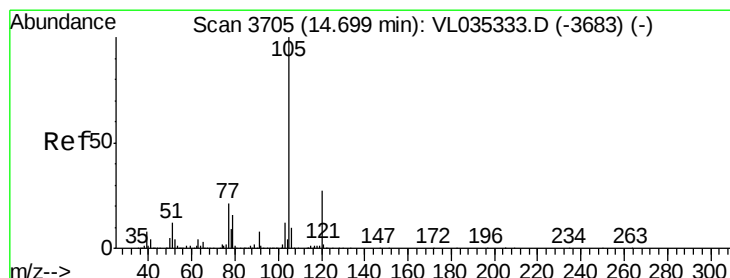
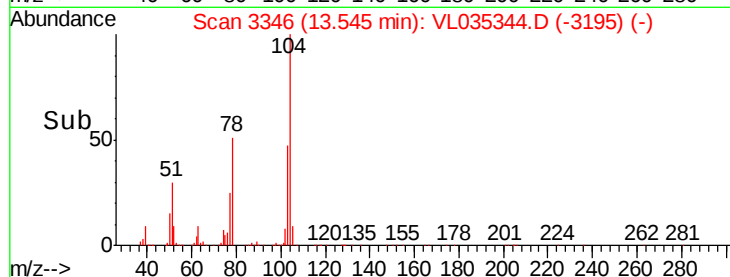
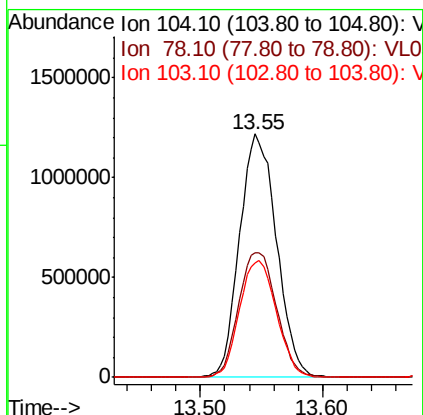
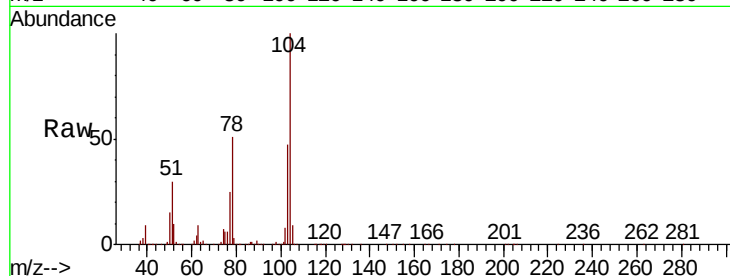




#61
Stvrene
Concen: 12.229 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

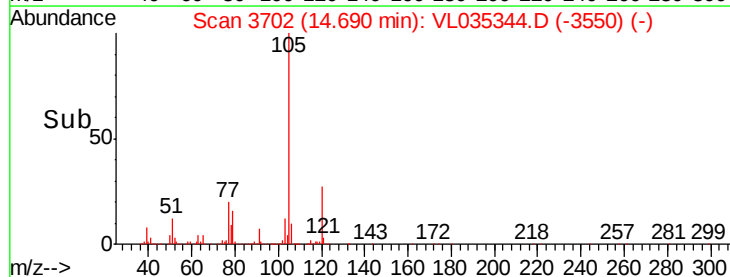
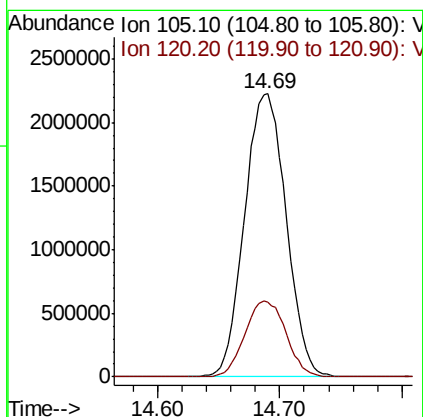
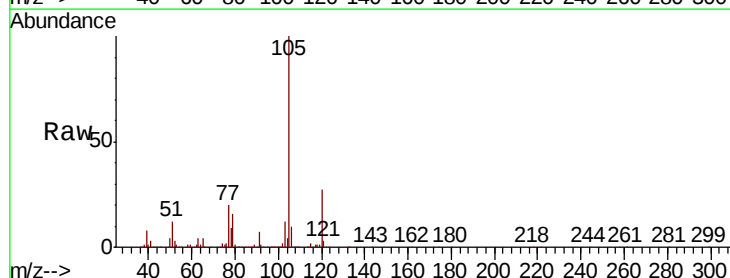
Instrument :
MSVOA_L
ClientSampleId :

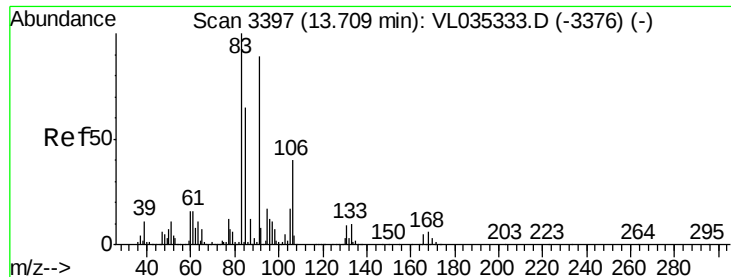
Tot Ion:104 Resp: 2548138
Ion Ratio Lower Upper
104 100
78 52.8 42.6 63.8
103 48.0 38.1 57.1



#62
Isopropylbenzene
Concen: 10.204 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion:105 Resp: 5241906
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 8.957 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

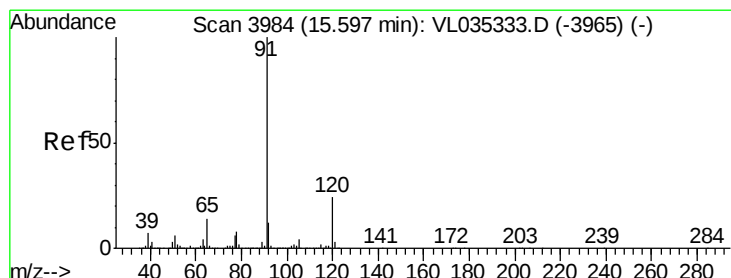
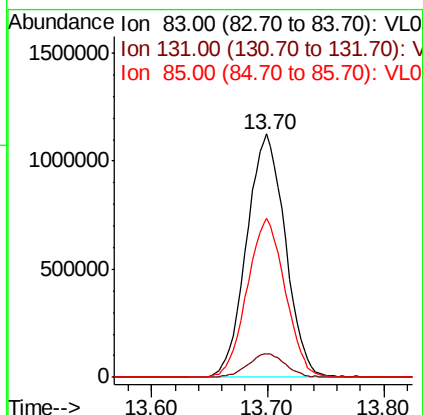
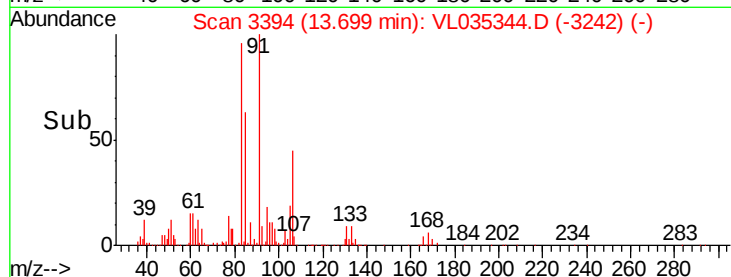
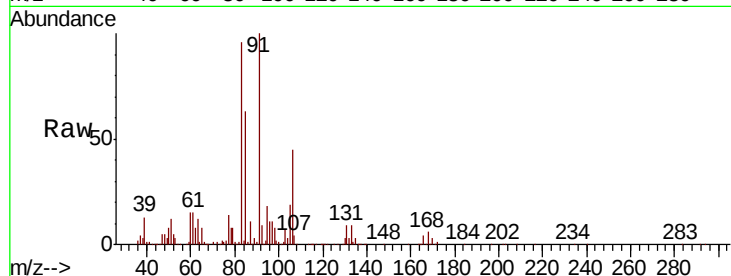
Tot Ion: 83 Resp: 2607254

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

85 64.6 32.6 98.0



#64

n-propylbenzene

Concen: 10.476 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.01 min

Lab File: VL035344.D

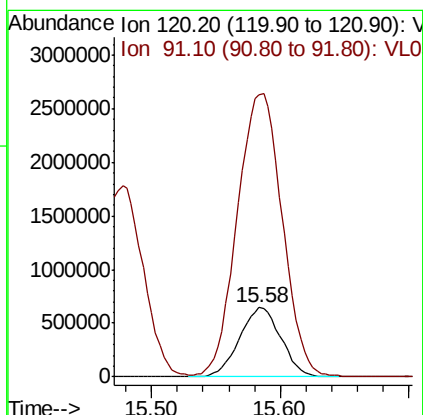
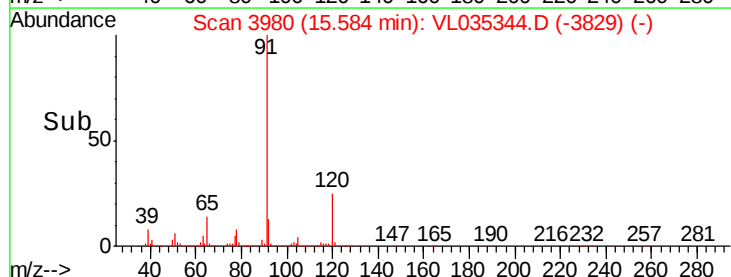
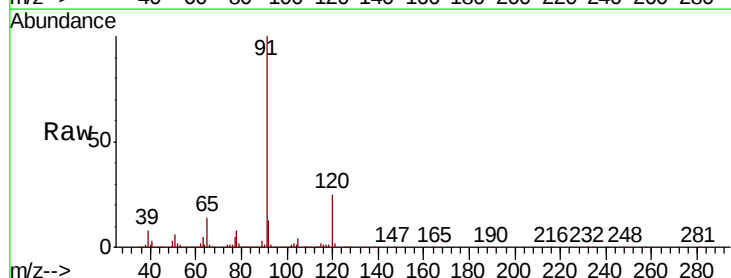
Acq: 6 Aug 2020 10:09

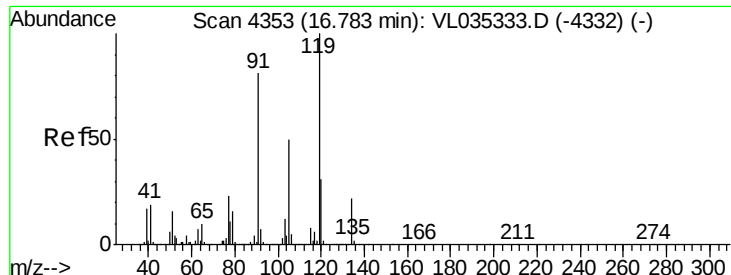
Tgt Ion: 120 Resp: 1446280

Ion Ratio Lower Upper

120 100

91 444.0 357.2 535.8





#65

tert-Butylbenzene

Concen: 10.280 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

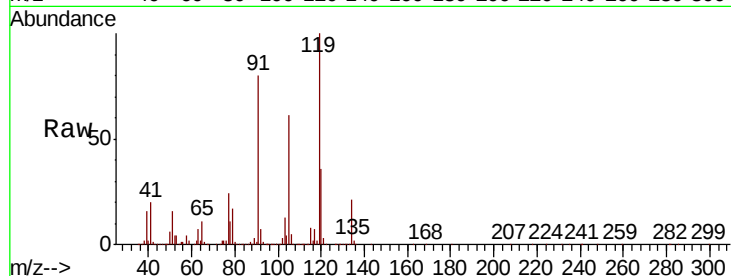
Tot Ion:119 Resp: 4836171

Ion Ratio Lower Upper

119 100

91 82.3 66.3 99.5

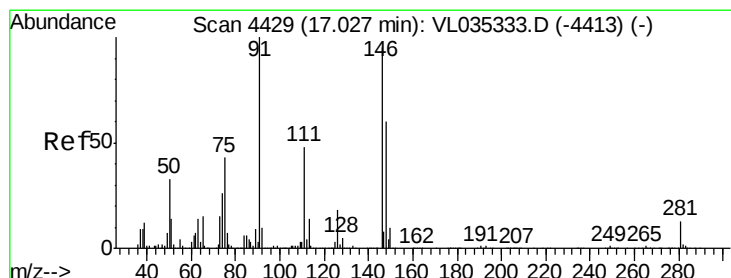
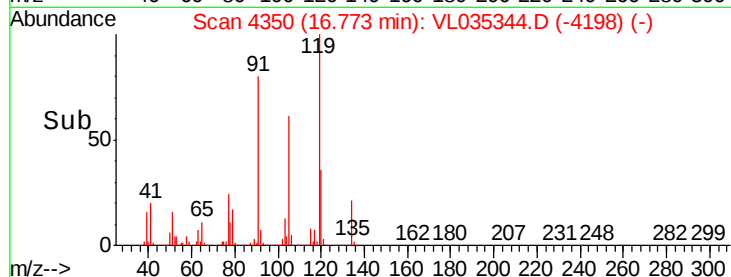
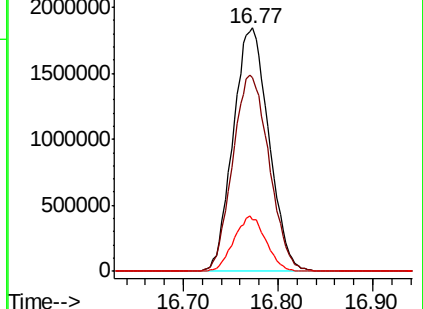
134 20.4 16.2 24.2



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: 11.416 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

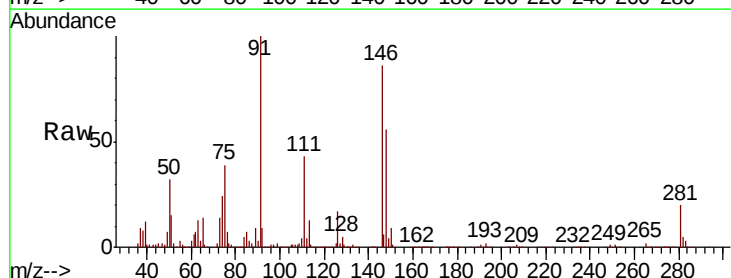
Tgt Ion: 91 Resp: 2125490

Ion Ratio Lower Upper

91 100

126 17.6 14.1 21.1

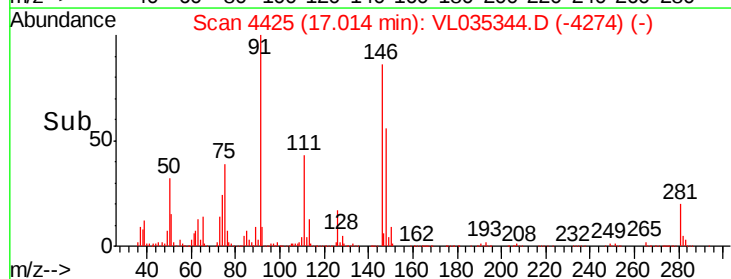
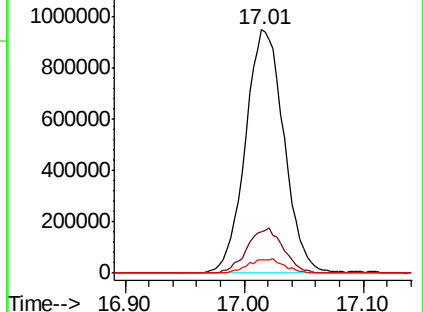
128 5.6 4.5 6.7

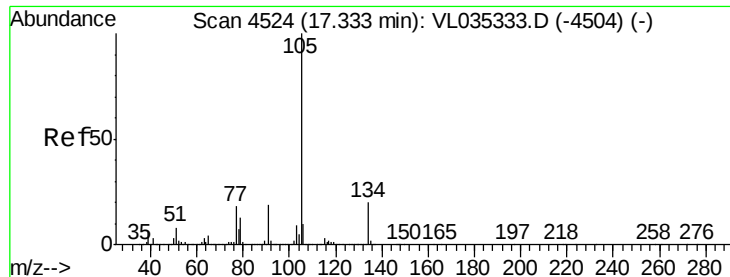


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.083 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

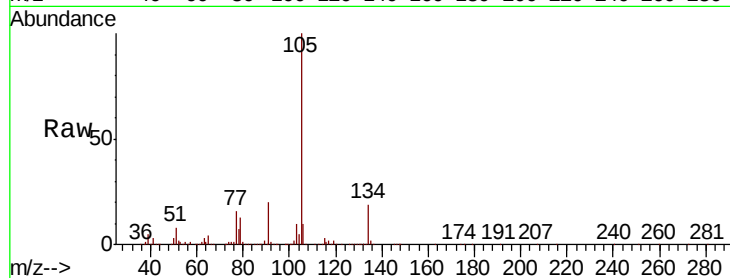
ClientSampleId :

Tot Ion:105 Resp: 6709331

Ion Ratio Lower Upper

105 100

134 18.8 15.4 23.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.32

2500000

2000000

1500000

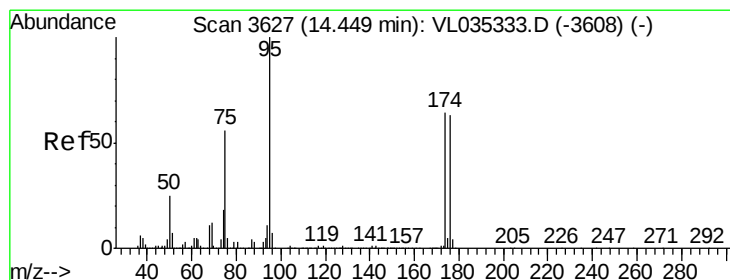
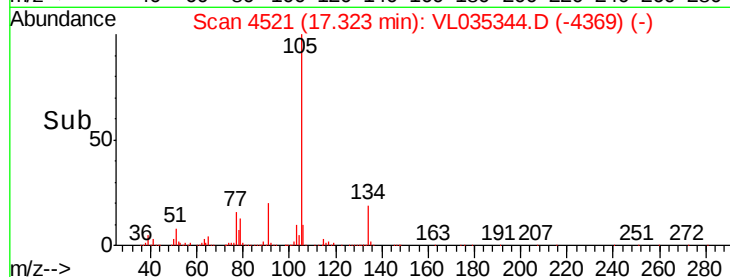
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.825 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

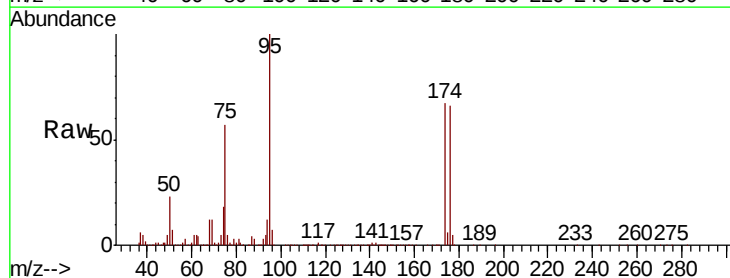
Tgt Ion: 95 Resp: 2907340

Ion Ratio Lower Upper

95 100

174 66.9 53.5 80.3

175 5.1 4.2 6.2



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

14.44

1500000

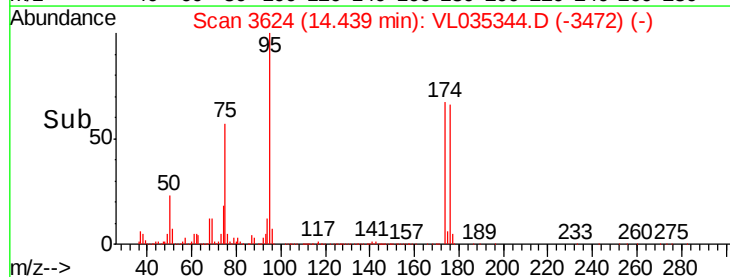
1000000

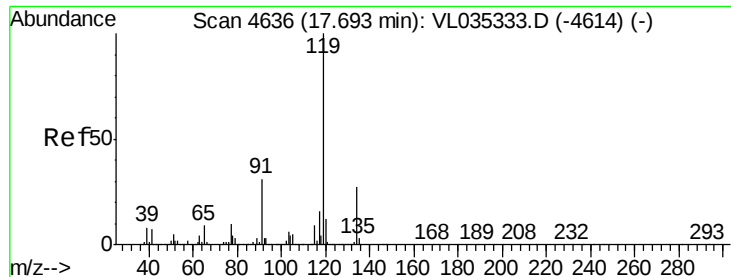
500000

0

Time-->

14.35 14.40 14.45 14.50





#69

p-Isopropyltoluene

Concen: 10.468 ppbv

RT: 17.68 min Scan# 4632

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampleId :

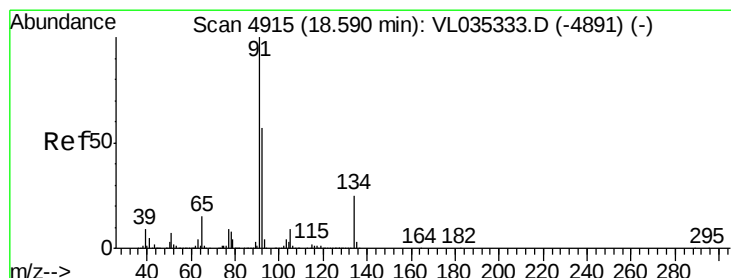
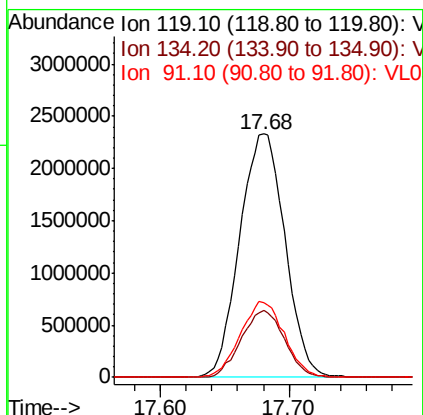
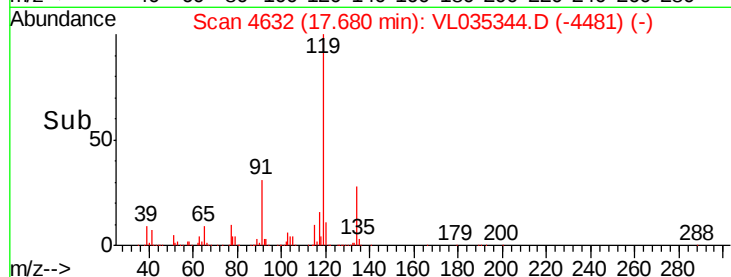
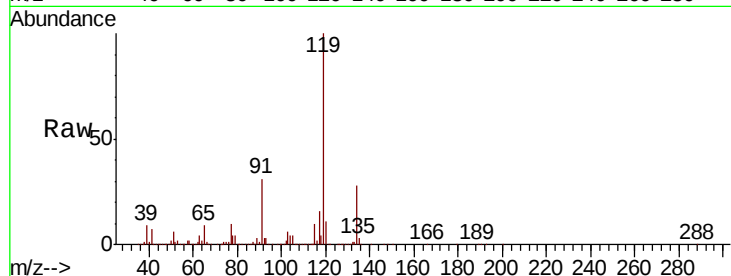
Tot Ion:119 Resp: 5678482

Ion Ratio Lower Upper

119 100

134 26.4 21.1 31.7

91 30.6 24.5 36.7



#70

n-Butylbenzene

Concen: 10.170 ppbv

RT: 18.58 min Scan# 4911

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

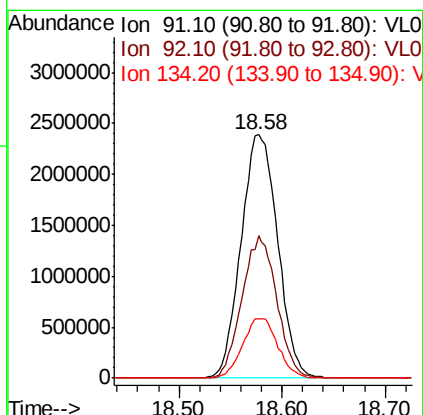
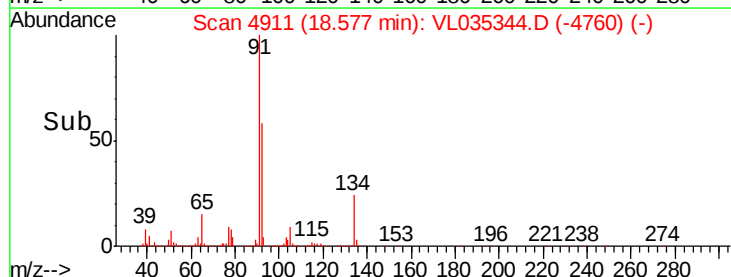
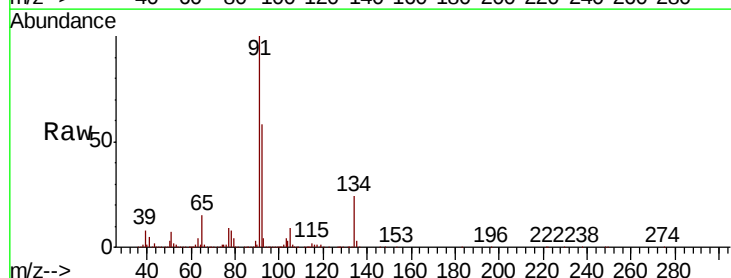
Tgt Ion: 91 Resp: 5901073

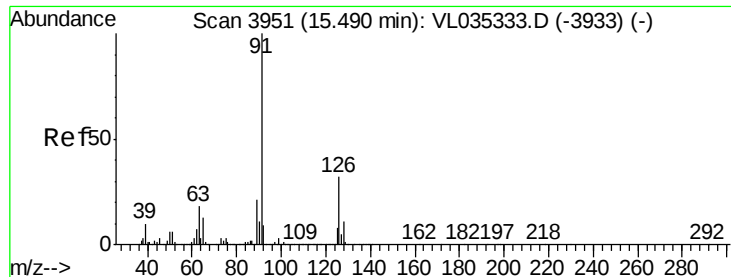
Ion Ratio Lower Upper

91 100

92 55.6 44.2 66.2

134 23.7 19.0 28.6





#71

2-Chlorotoluene

Concen: 10.769 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

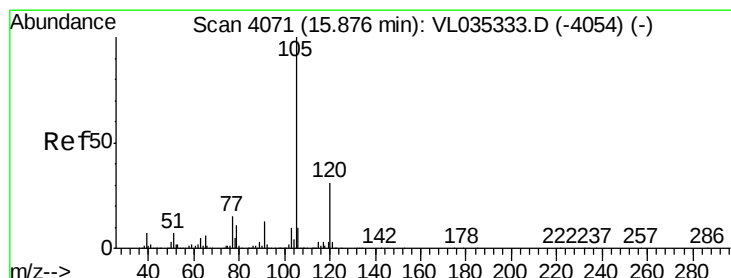
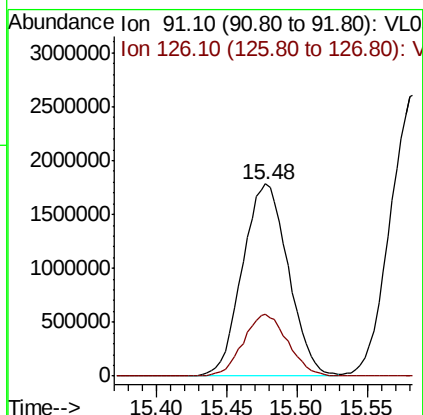
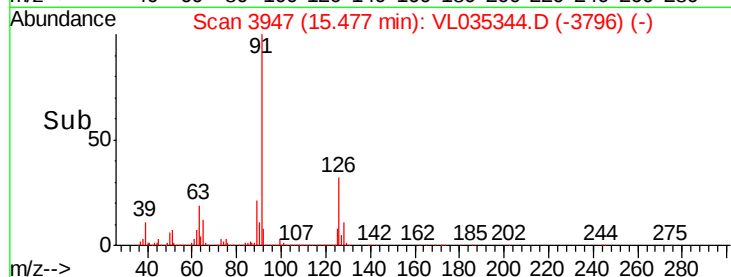
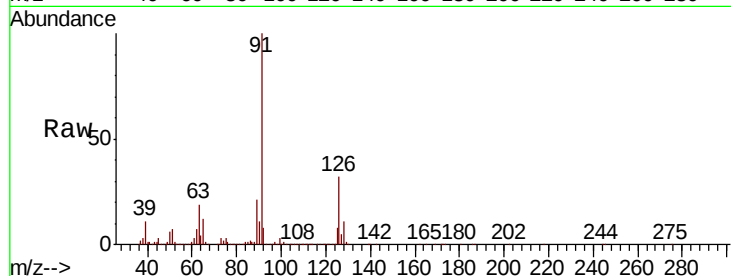
ClientSampleId :

Tot Ion: 91 Resp: 4052527

Ion Ratio Lower Upper

91 100

126 31.5 12.5 50.1



#72

4-Ethyltoluene

Concen: 10.976 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tgt Ion: 105 Resp: 4269513

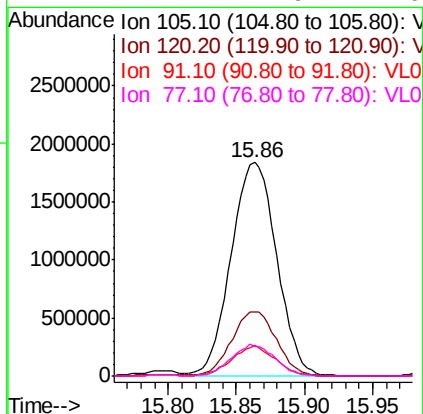
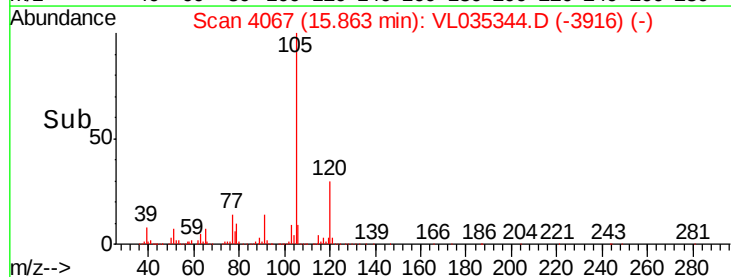
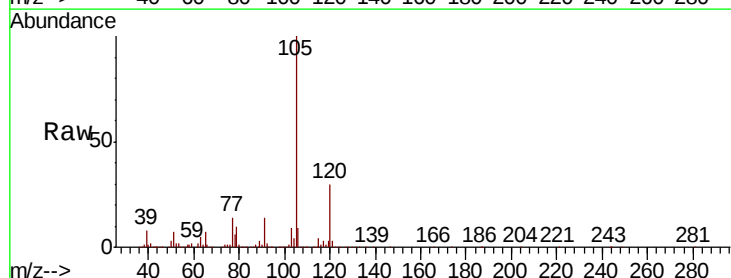
Ion Ratio Lower Upper

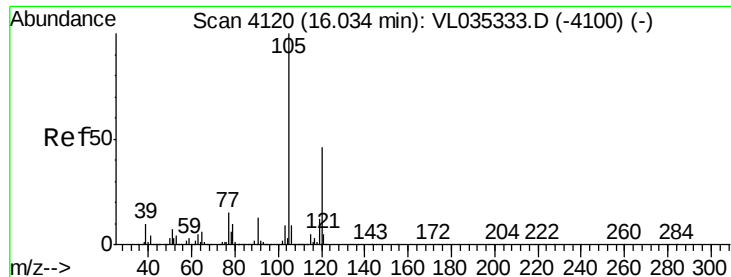
105 100

120 30.4 24.0 36.0

91 13.7 10.8 16.2

77 14.1 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 10.745 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

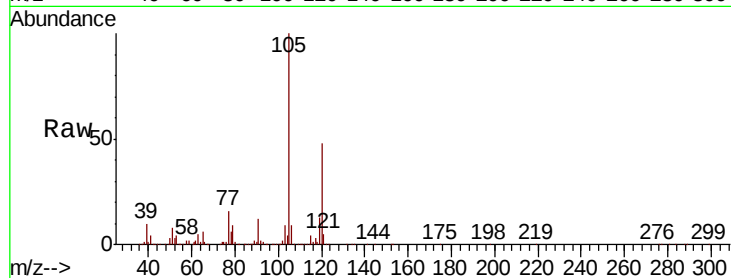
ClientSampleId :

Tot Ion:105 Resp: 4010629

Ion Ratio Lower Upper

105 100

120 47.6 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

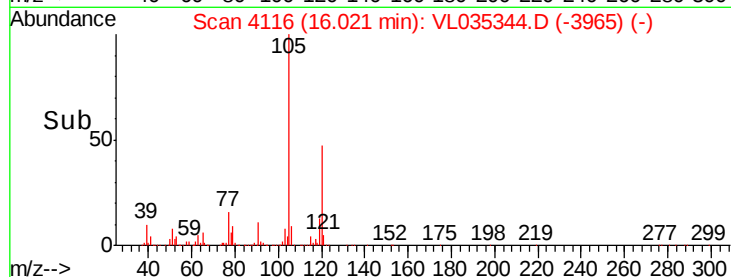
1000000

500000

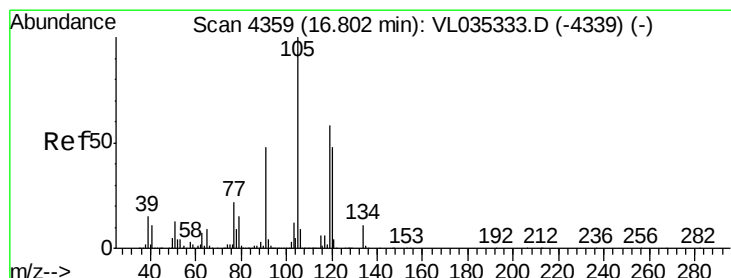
0

16.02

15.90 16.00 16.10



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.967 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Tgt Ion:105 Resp: 4252108

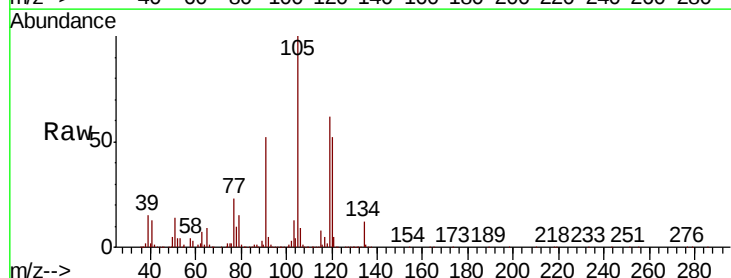
Ion Ratio Lower Upper

105 100

120 52.2 38.5 57.7

91 52.1 39.0 58.6

77 22.5 17.8 26.6



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

2500000

2000000

1500000

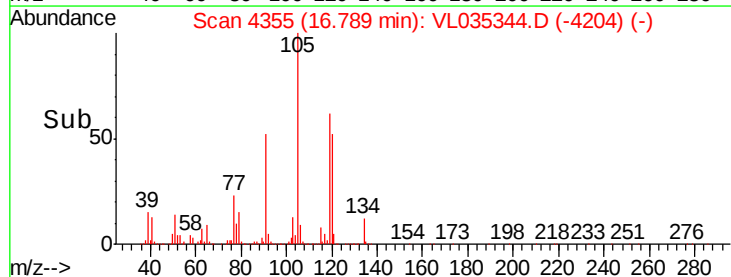
1000000

500000

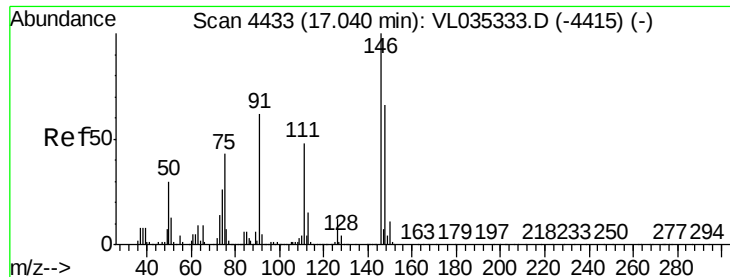
0

16.79

16.70 16.80 16.90



Time-->



#75

1,3-Dichlorobenzene

Concen: 9.144 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

Instrument :

MSVOA_L

ClientSampled :

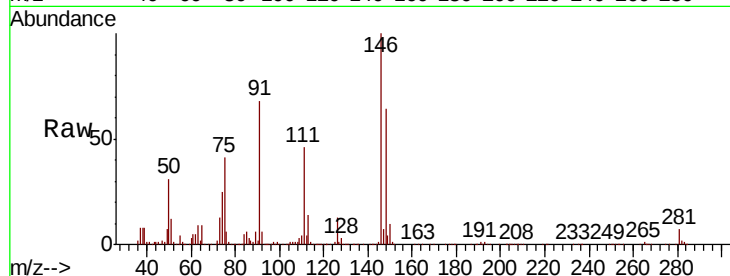
Tot Ion:146 Resp: 2551978

Ion Ratio Lower Upper

146 100

111 48.5 24.2 72.6

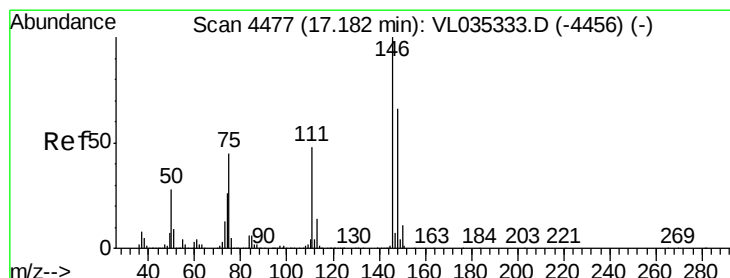
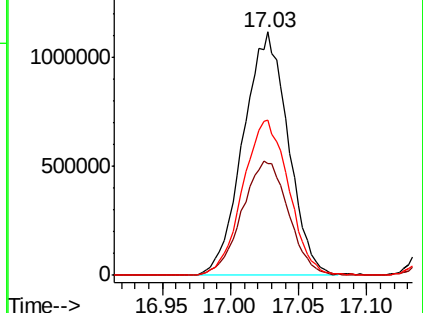
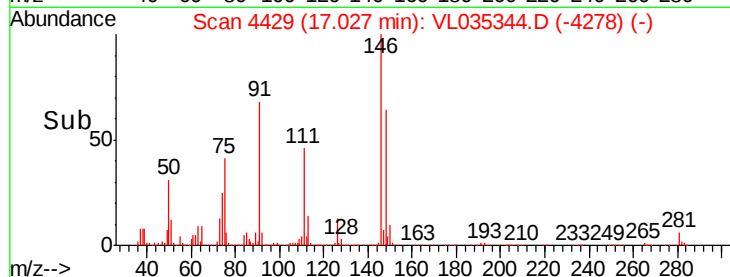
148 65.2 32.6 98.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.883 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL035344.D

Acq: 6 Aug 2020 10:09

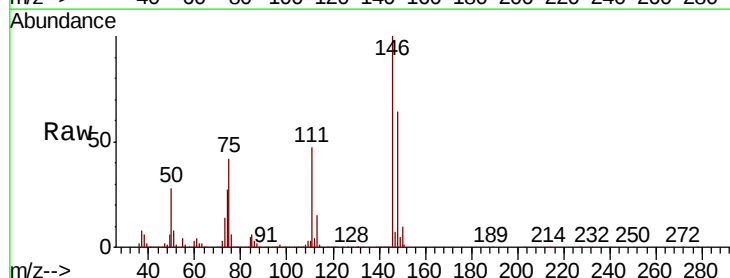
Tgt Ion:146 Resp: 2554367

Ion Ratio Lower Upper

146 100

111 46.5 23.3 69.9

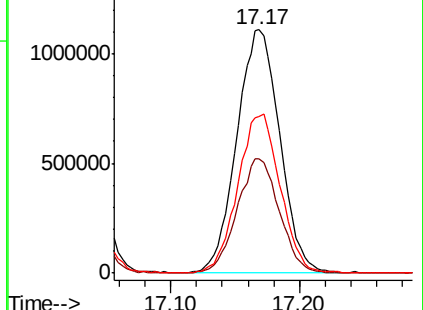
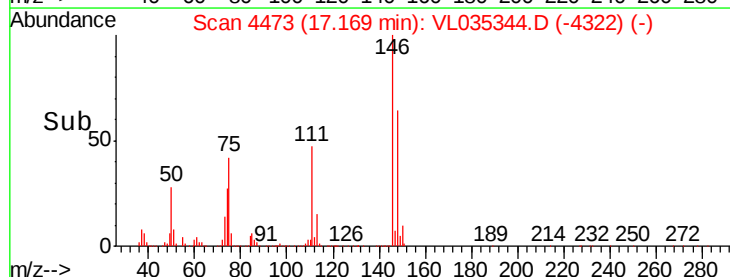
148 64.9 32.1 96.5

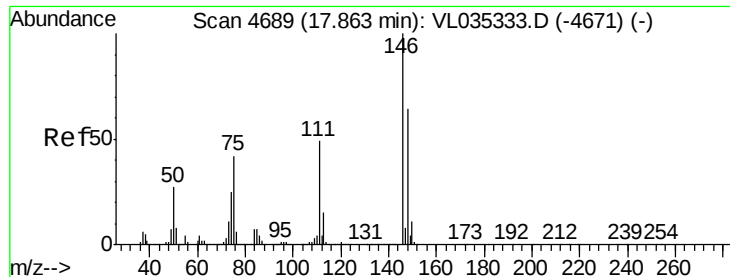


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

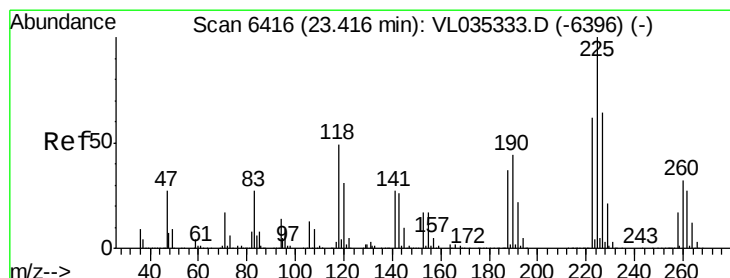
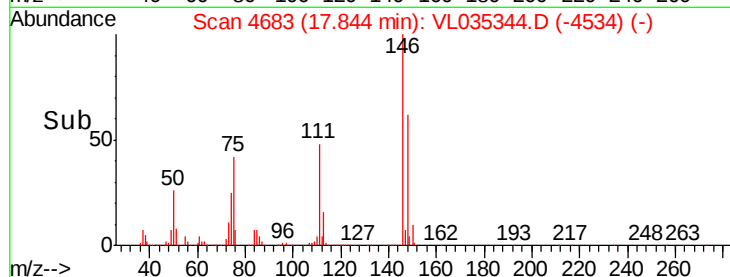
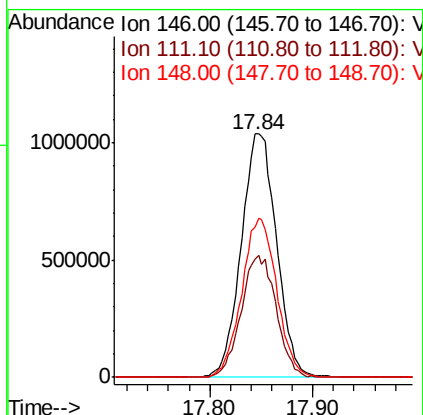
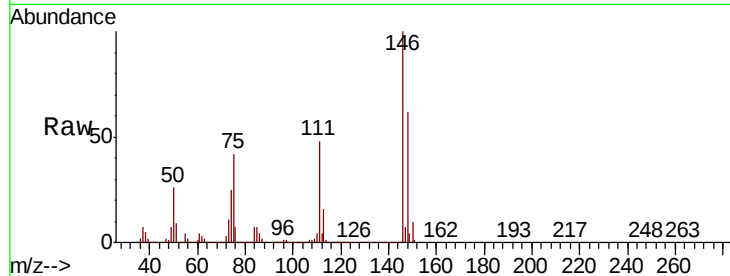




#77
 1,2-Dichlorobenzene
 Concen: 9.592 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. -0.02 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

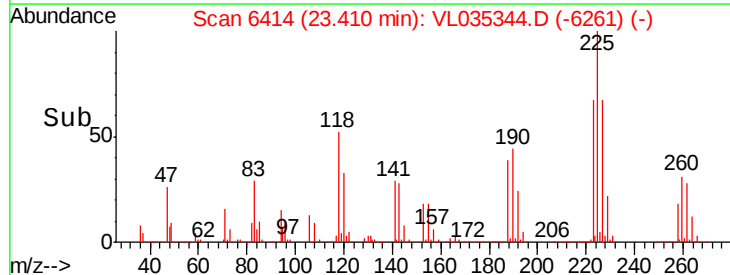
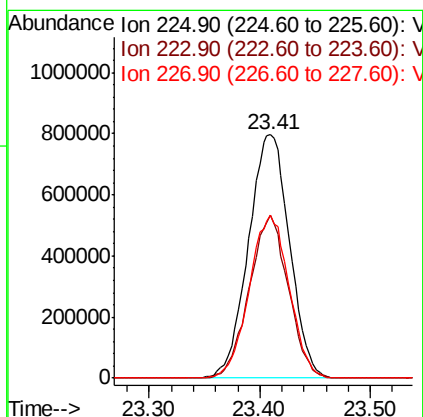
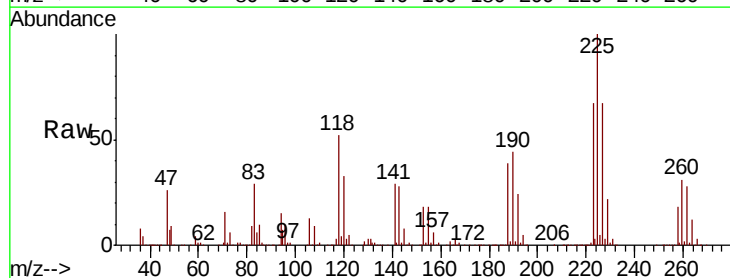
Instrument :
 MSVOA_L
 ClientSampled :

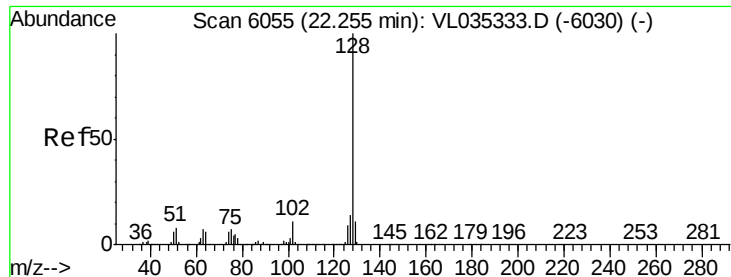
Tot Ion:146 Resp: 2470582
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.9 74.7
 148 64.9 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.357 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Tgt Ion:225 Resp: 2050408
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.3 75.5
 227 65.2 52.7 79.1

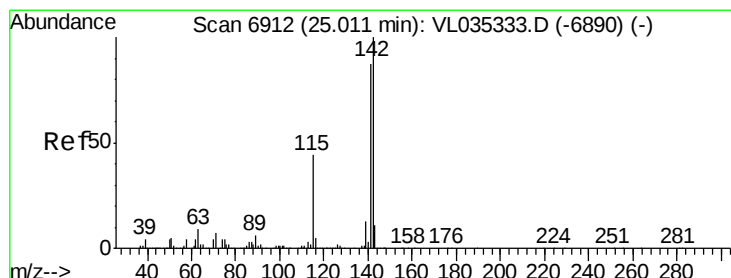
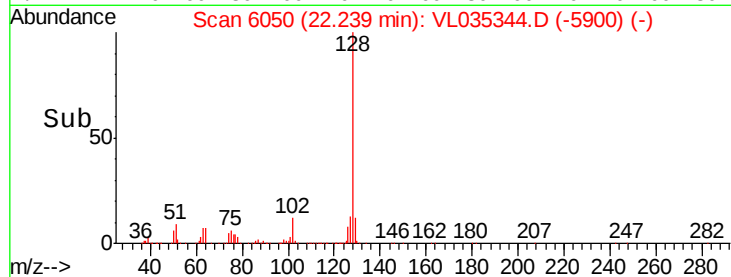
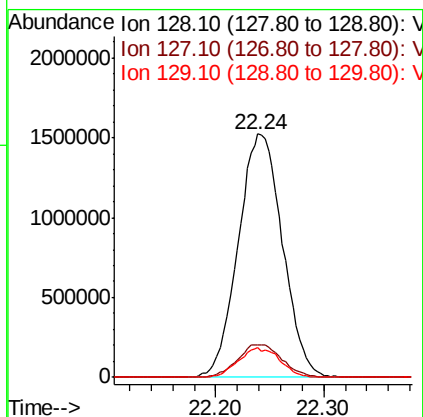
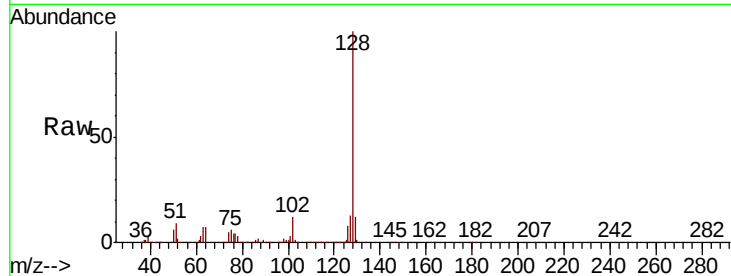




#79
Naphthalene
Concen: 13.188 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. -0.02 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

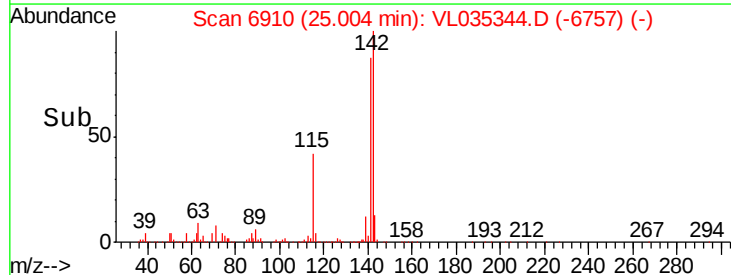
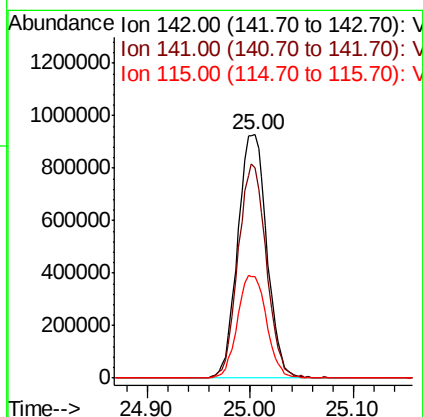
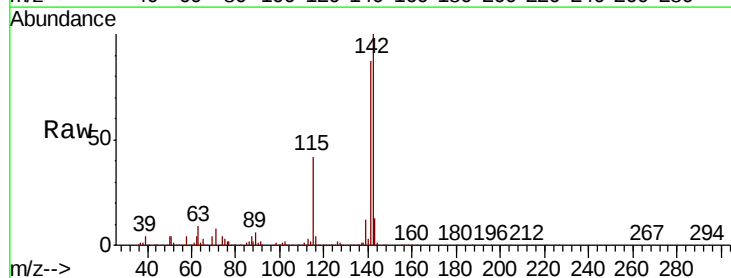
Instrument :
MSVOA_L
ClientSampled :

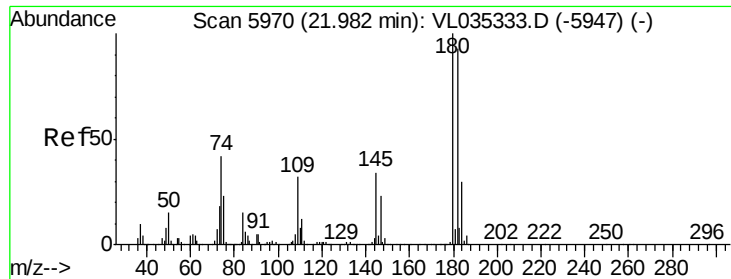
Tot Ion:128 Resp: 4327448
Ion Ratio Lower Upper
128 100
127 13.3 11.1 16.7
129 12.4 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 24.477 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.01 min
Lab File: VL035344.D
Acq: 6 Aug 2020 10:09

Tgt Ion:142 Resp: 1827055
Ion Ratio Lower Upper
142 100
141 85.4 69.0 103.6
115 42.2 35.5 53.3

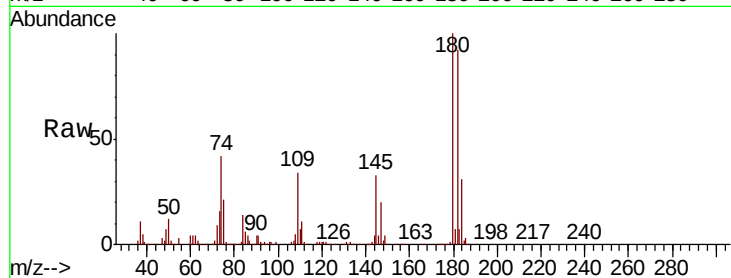




#81
 1,2,4-Trichlorobenzene
 Concen: 11.534 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.01 min
 Lab File: VL035344.D
 Acq: 6 Aug 2020 10:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.2	115.8
184	31.3	25.1	37.7



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

