

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035141.D
 Acq On : 1 Jul 2020 1:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 03:04:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1187686	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2841122	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	3381457	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2308564	8.22	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1797221	11.206	ppbv 98
3) Chlorodifluoromethane	2.95	51	1257435	9.584	ppbv 100
4) Chloromethane	3.11	50	709580	9.648	ppbv 99
5) Vinyl Chloride	3.22	62	711579	10.174	ppbv 99
6) Bromomethane	3.44	94	452016	10.408	ppbv 93
7) Chloroethane	3.53	64	273358	10.365	ppbv 97
8) Dichlorotetrafluoroethane	3.15	85	1681330	9.778	ppbv 100
9) Propene	2.97	41	517005	9.951	ppbv 99
10) Heptane	8.14	43	1406059	10.443	ppbv 99
11) Trichlorofluoromethane	3.92	101	1757595	10.259	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1254411	10.588	ppbv 100
13) Ethanol	3.57	45	136174	6.938	ppbv 96
14) Bromoethene	3.71	108	532756	10.432	ppbv 96
15) Acetone	3.83	43	1336009	9.304	ppbv 99
16) 1,3-Butadiene	3.29	39	649676	10.316	ppbv 100
17) tert-Butyl alcohol	4.27	59	1404414	11.036	ppbv 99
18) 1,1-Dichloroethene	4.27	96	577346	10.805	ppbv 96
19) Isopropyl Alcohol	3.94	45	958232	10.277	ppbv 99
20) Methylene Chloride	4.33	84	515586	8.872	ppbv 92
21) Allyl Chloride	4.39	41	913358	10.703	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	562609	11.254	ppbv 98
23) Vinyl Acetate	5.07	43	1860880	10.676	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1478540	10.062	ppbv 99
25) Ethyl Acetate	5.67	43	2509381	9.683	ppbv 100
26) Hexane	5.68	57	1136095	9.724	ppbv 98
27) Carbon Disulfide	4.53	76	1503927	12.438	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1723994	10.502	ppbv 99
29) Chloroform	5.75	83	1767670	9.668	ppbv 99
30) Cyclohexane	7.14	84	916588	10.931	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1130722	10.498	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1713566	10.105	ppbv 100
34) 2-Butanone	5.24	43	1582484	9.699	ppbv 100
35) Carbon Tetrachloride	7.03	117	1768850	10.381	ppbv 96
36) Benzene	6.90	78	2196353	9.983	ppbv 97
37) 1,2-Dichloroethane	6.31	62	1393728	10.024	ppbv 100
38) Trichloroethene	7.85	130	875187	10.242	ppbv 98
39) 1,2-Dichloropropane	7.63	63	862987	10.029	ppbv 98
40) 1,4-Dioxane	7.84	88	341806	10.071	ppbv # 90
41) Tetrahydrofuran	6.05	42	875520	10.506	ppbv 99
42) Bromodichloromethane	7.81	83	1855219	10.302	ppbv 96
43) Methyl Methacrylate	8.03	69	1010770	10.854	ppbv 99

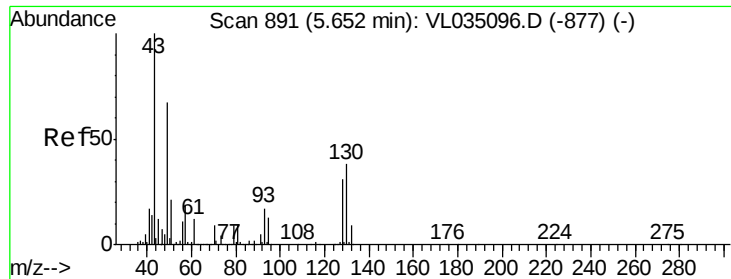
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3790574	9.872	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1112290	12.273	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1302868	11.572	ppbv	95
47) 1,1,2-Trichloroethane	9.50	97	908946	9.679	ppbv	93
48) Dibromochloromethane	10.34	129	1528558	10.918	ppbv	99
49) Bromoform	13.09	173	1274382	10.715	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2365500	10.204	ppbv	100
51) 2-Hexanone	10.16	43	1883716	10.376	ppbv #	99
52) Tetrachloroethene	11.26	164	773558	9.979	ppbv	96
53) Toluene	9.83	91	2537201	10.812	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1360458	9.784	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1151555	8.321	ppbv #	60
57) Chlorobenzene	12.19	112	1916092	7.701	ppbv	99
58) Ethyl Benzene	12.75	91	3379316	8.895	ppbv	98
59) m/p-Xylene	13.04	91	2838095	8.429	ppbv #	31
60) o-Xylene	13.73	91	2766777	8.254	ppbv	98
61) Styrene	13.57	104	1938089	9.188	ppbv	99
62) Isopropylbenzene	14.71	105	4077287	8.151	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	1910814	7.038	ppbv	99
64) n-propylbenzene	15.61	120	1066749	8.357	ppbv	97
65) tert-Butylbenzene	16.80	119	3500684	8.173	ppbv	99
66) Benzyl Chloride	17.04	91	1314276	9.933	ppbv	99
67) sec-Butylbenzene	17.34	105	5013050	8.166	ppbv	100
69) p-Isopropyltoluene	17.70	119	4211306	8.600	ppbv	100
70) n-Butylbenzene	18.60	91	4472623	8.479	ppbv	99
71) 2-Chlorotoluene	15.50	91	3113052	8.233	ppbv	100
72) 4-Ethyltoluene	15.88	105	3196586	8.572	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	2999095	8.508	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	3164483	8.044	ppbv #	89
75) 1,3-Dichlorobenzene	17.05	146	1842175	7.846	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1812104	8.068	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1764979	8.216	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1700865	8.808	ppbv	100
79) Naphthalene	22.27	128	3766794	10.921	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1396006	10.585	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	1974856	9.925	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

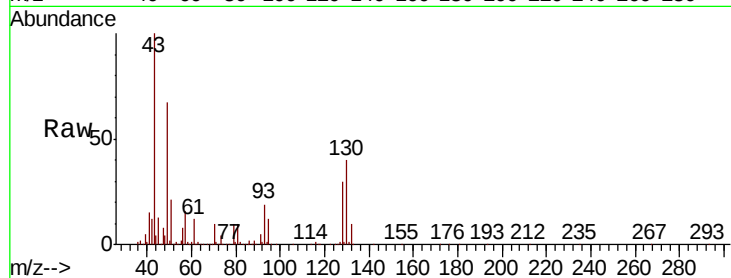
Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1187686

Ion	Ratio	Lower	Upper
49	100		
128	46.1	22.9	68.5
130	59.5	29.0	87.0



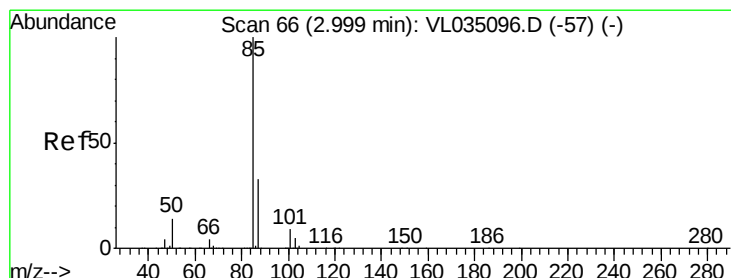
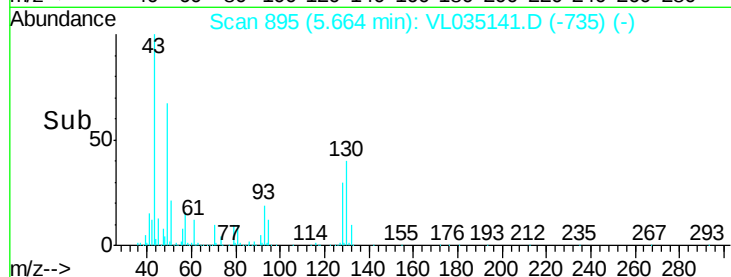
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 11.206 ppbv

RT: 3.01 min Scan# 70

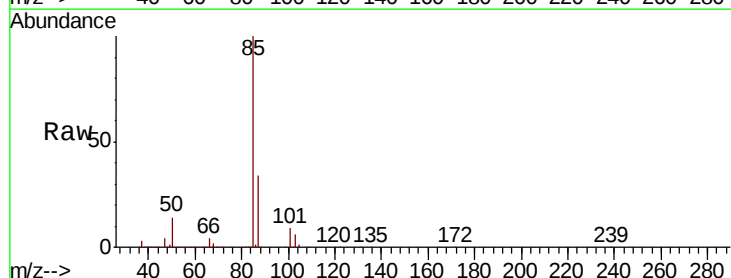
Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Tgt Ion: 85 Resp: 1797221

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.1	39.1

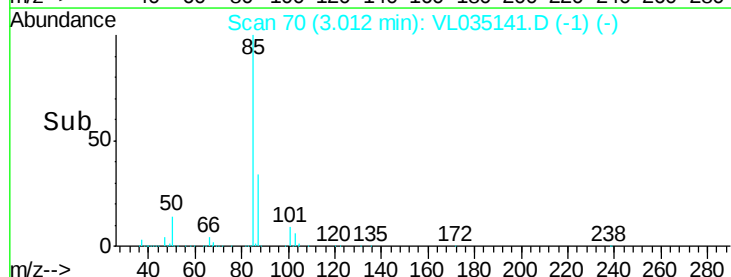


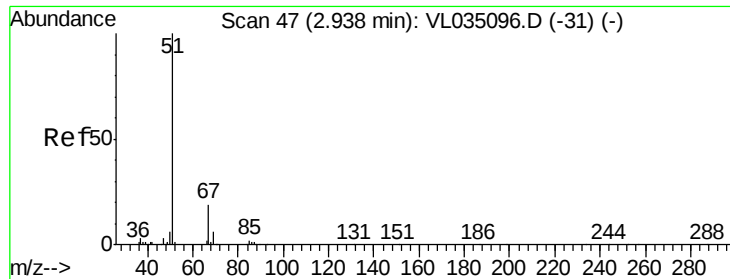
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

Time-->





#3

Chlorodifluoromethane

Concen: 9.584 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

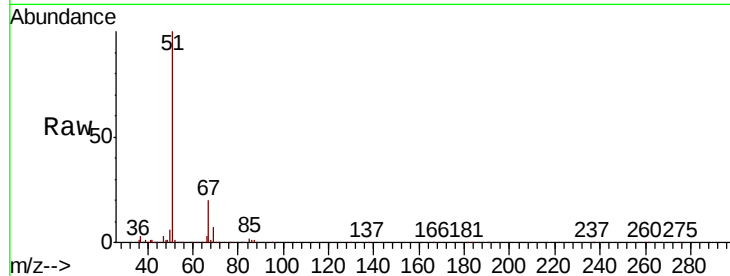
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 51 Resp: 1257435

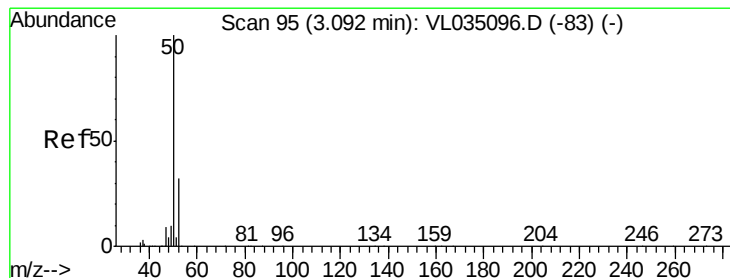
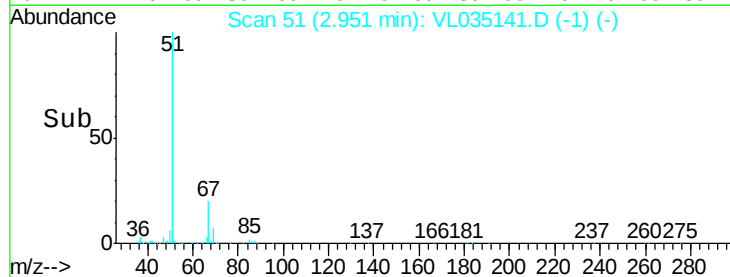
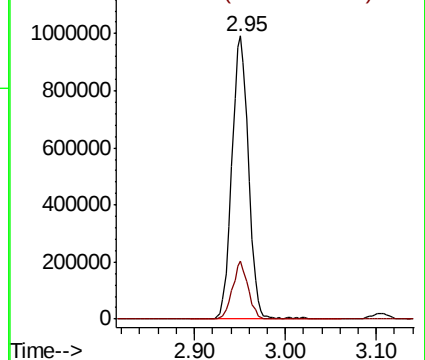
Ion Ratio Lower Upper

51 100

67 19.2 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.648 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL035141.D

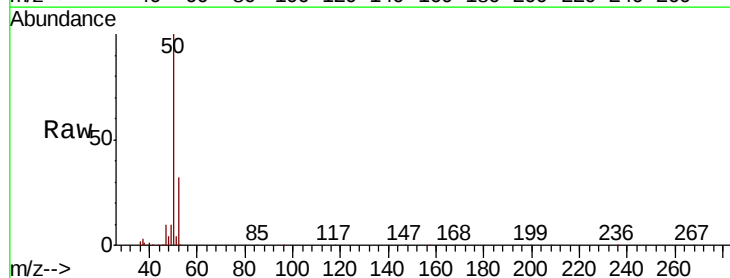
Acq: 1 Jul 2020 1:34

Tgt Ion: 50 Resp: 709580

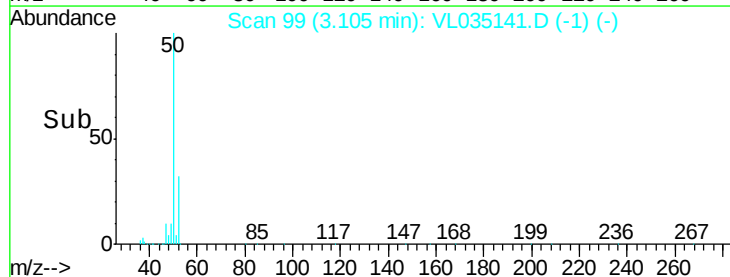
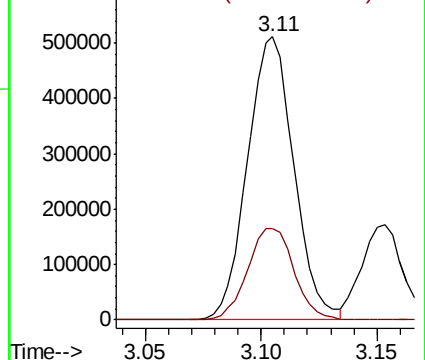
Ion Ratio Lower Upper

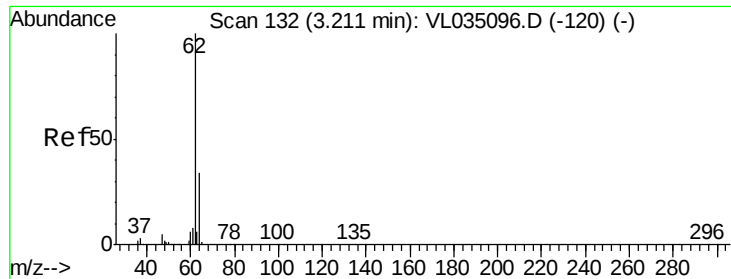
50 100

52 32.3 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.174 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

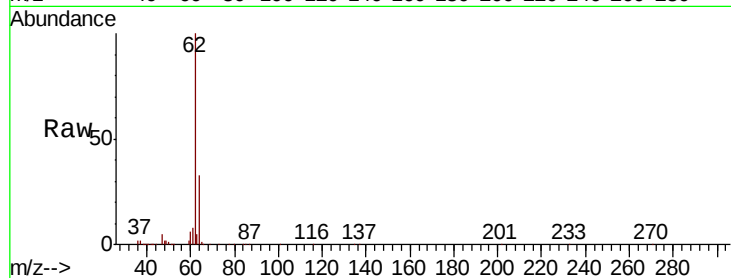
ClientSampled :

Tot Ion: 62 Resp: 711579

Ion Ratio Lower Upper

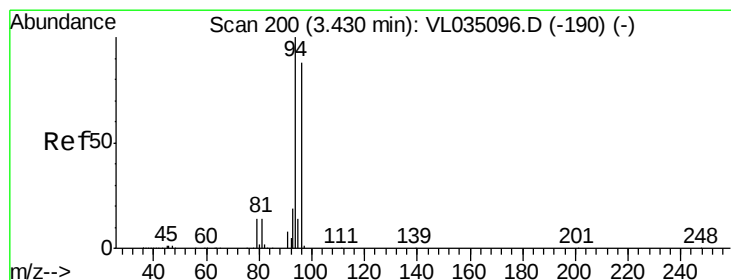
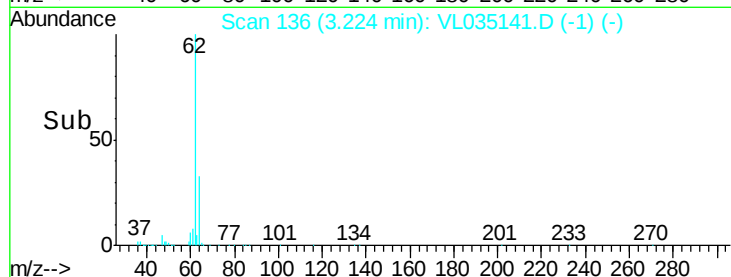
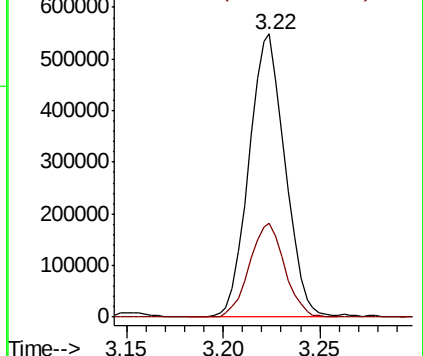
62 100

64 33.3 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.408 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035141.D

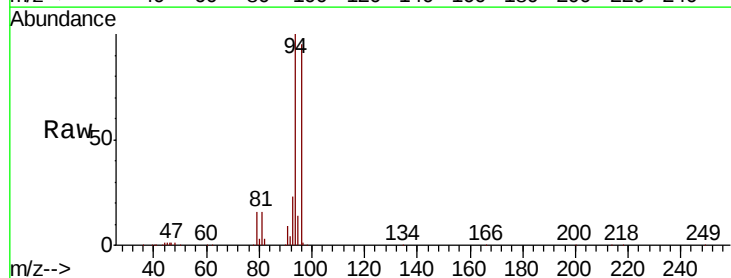
Acq: 1 Jul 2020 1:34

Tgt Ion: 94 Resp: 452016

Ion Ratio Lower Upper

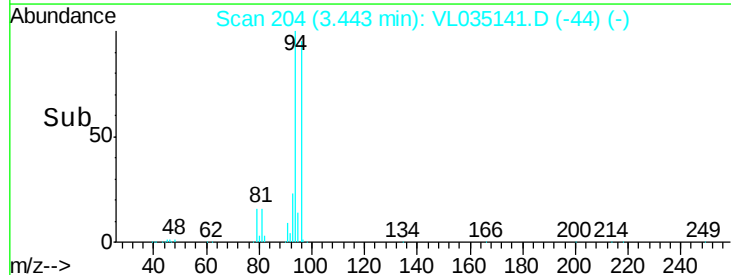
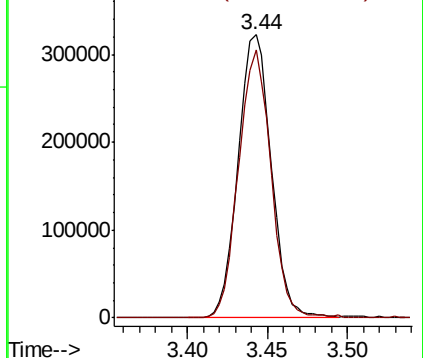
94 100

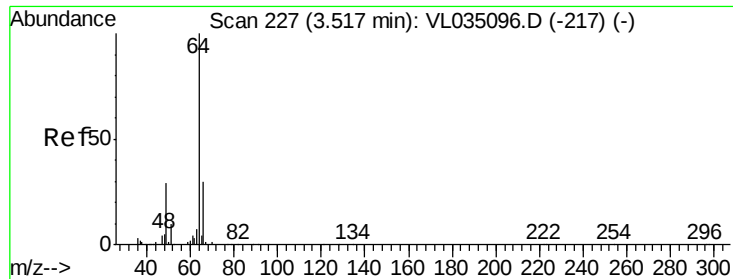
96 94.5 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.365 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

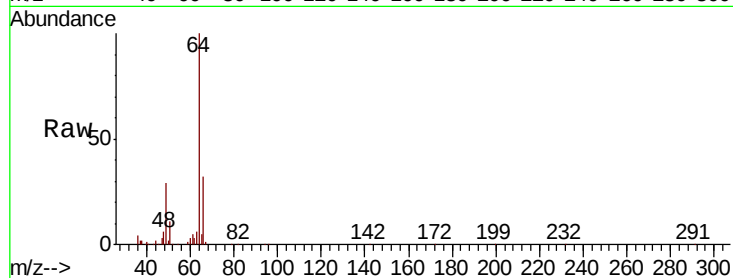
ClientSampleId :

Tot Ion: 64 Resp: 273358

Ion Ratio Lower Upper

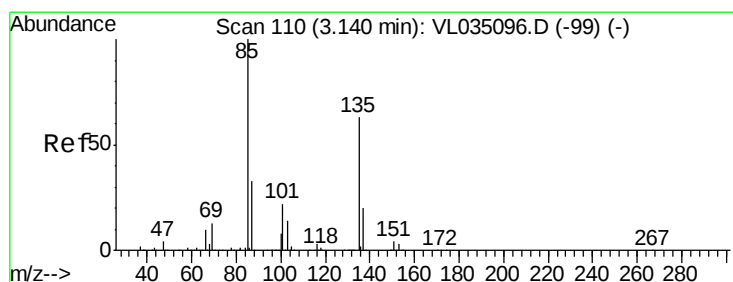
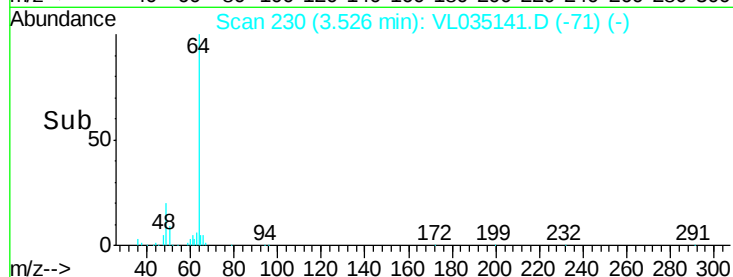
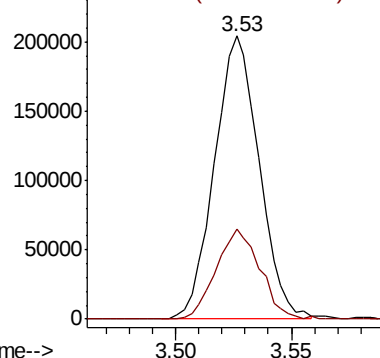
64 100

66 32.0 24.2 36.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.778 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035141.D

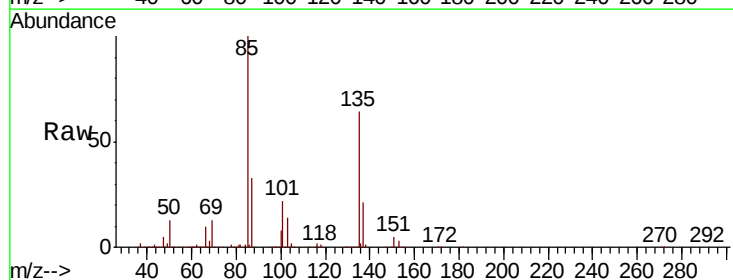
Acq: 1 Jul 2020 1:34

Tgt Ion: 85 Resp: 1681330

Ion Ratio Lower Upper

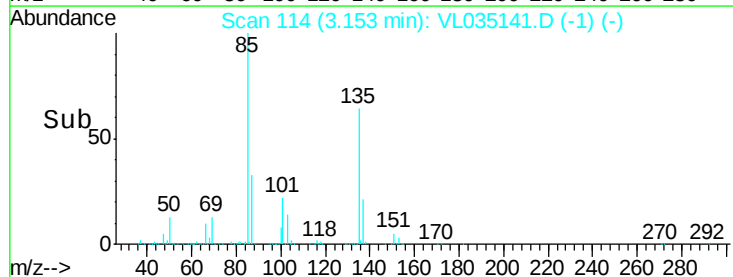
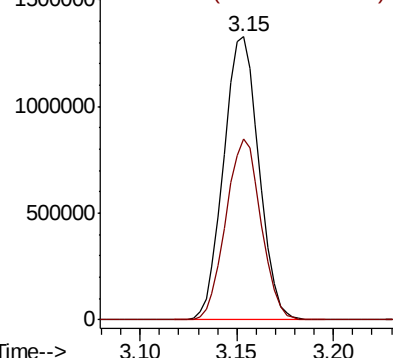
85 100

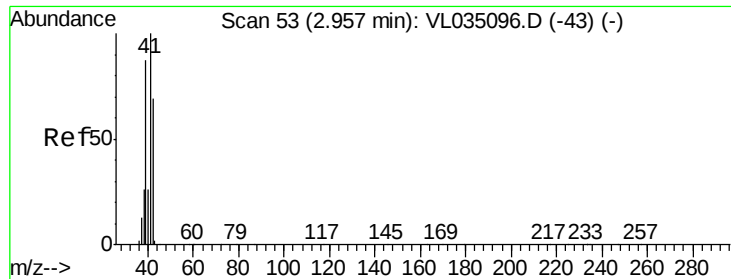
135 63.7 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.951 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

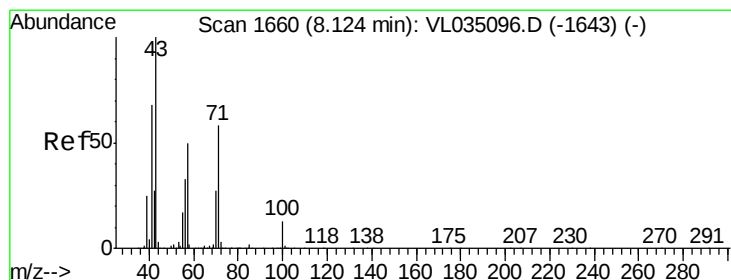
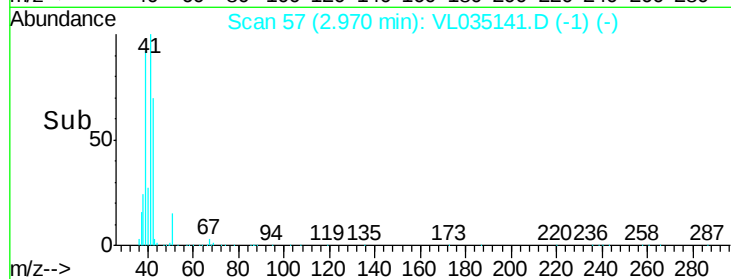
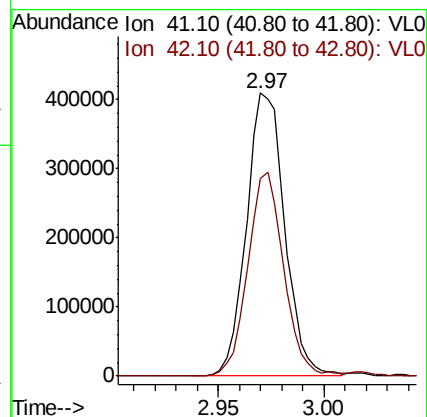
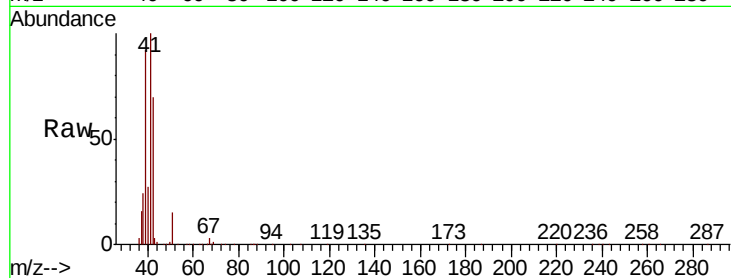
ClientSampleId :

Tot Ion: 41 Resp: 517005

Ion Ratio Lower Upper

41 100

42 69.0 55.8 83.6



#10

Heptane

Concen: 10.443 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL035141.D

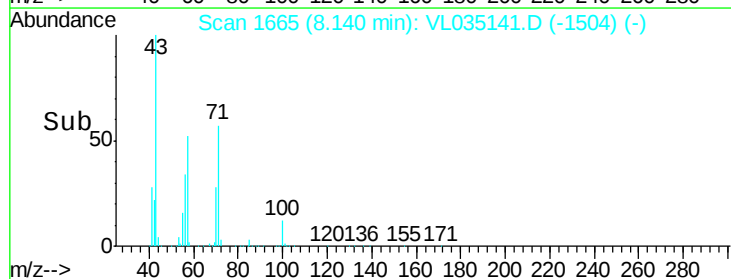
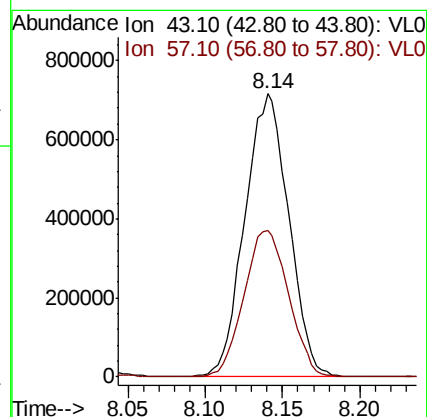
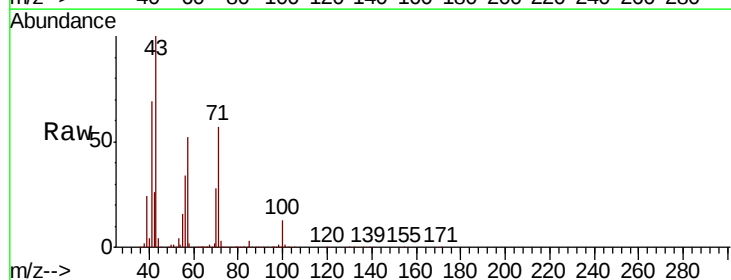
Acq: 1 Jul 2020 1:34

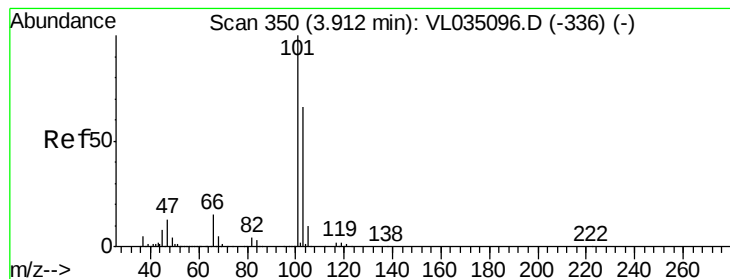
Tgt Ion: 43 Resp: 1406059

Ion Ratio Lower Upper

43 100

57 53.1 41.9 62.9





#11

Trichlorofluoromethane

Concen: 10.259 ppbv

RT: 3.92 min Scan# 354

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

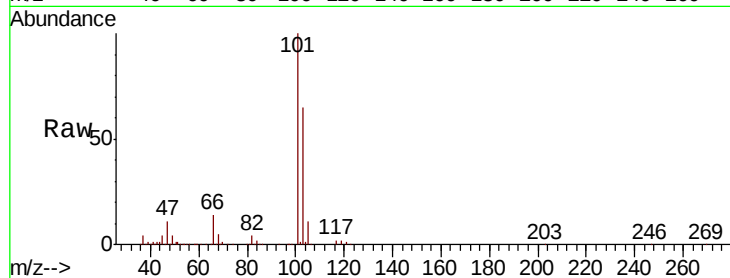
ClientSampled :

Tot Ion:101 Resp: 1757595

Ion Ratio Lower Upper

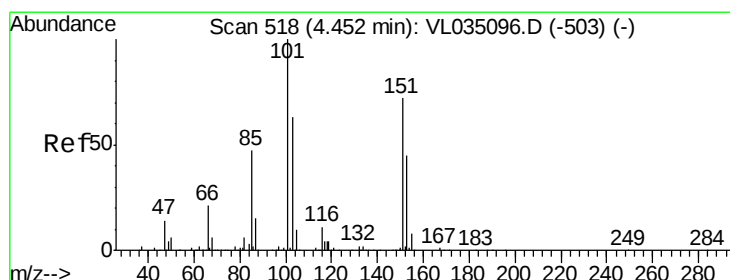
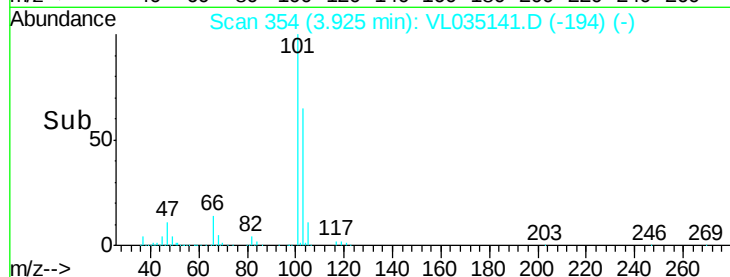
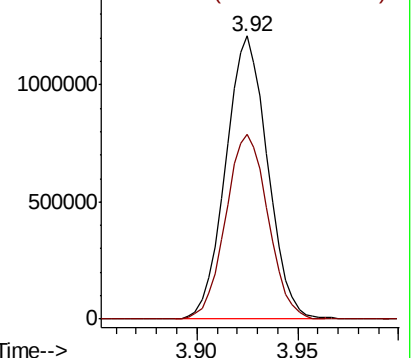
101 100

103 65.2 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.588 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL035141.D

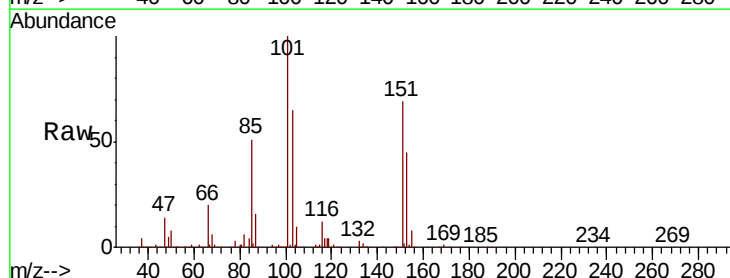
Acq: 1 Jul 2020 1:34

Tgt Ion:101 Resp: 1254411

Ion Ratio Lower Upper

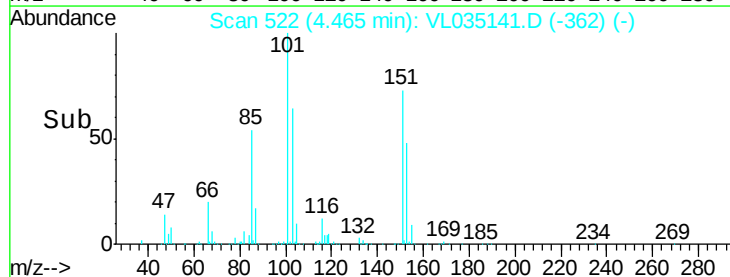
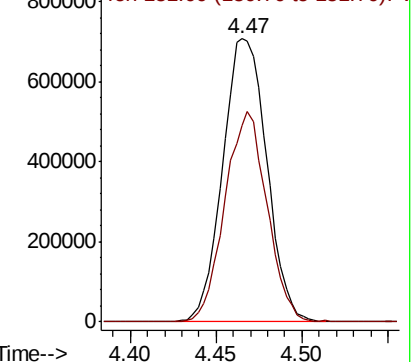
101 100

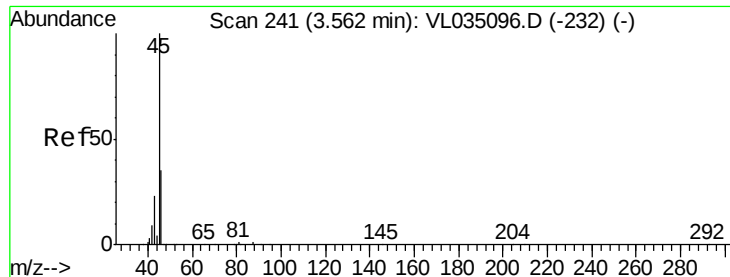
151 71.1 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.938 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

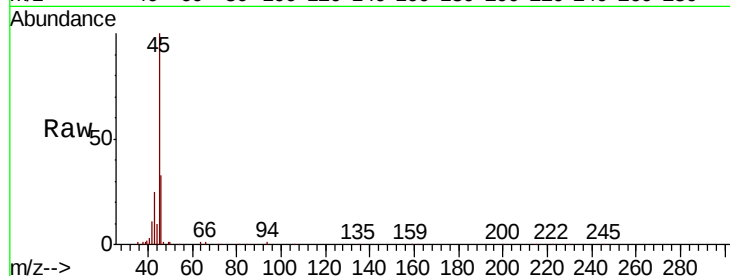
ClientSampleId :

Tot Ion: 45 Resp: 136174

Ion Ratio Lower Upper

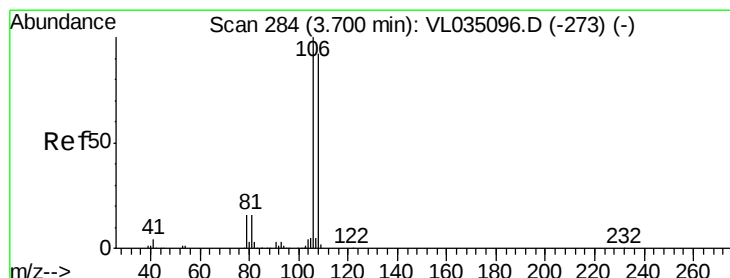
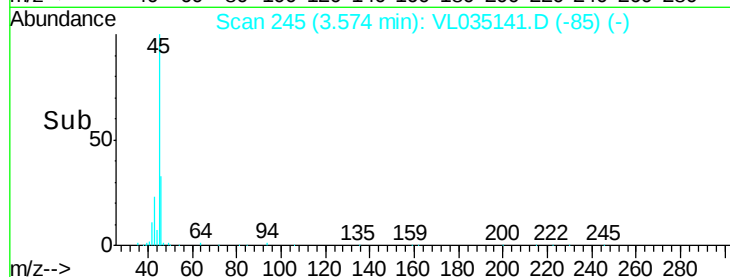
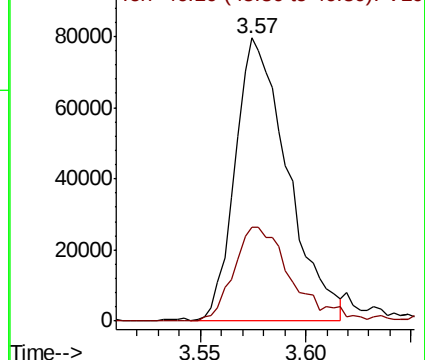
45 100

46 37.9 14.2 57.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.432 ppbv

RT: 3.71 min Scan# 288

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

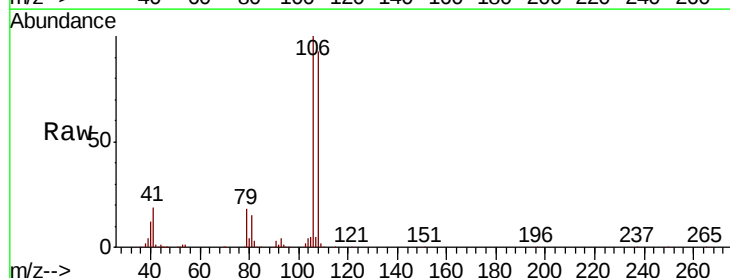
Tgt Ion: 108 Resp: 532756

Ion Ratio Lower Upper

108 100

106 109.7 84.4 126.6

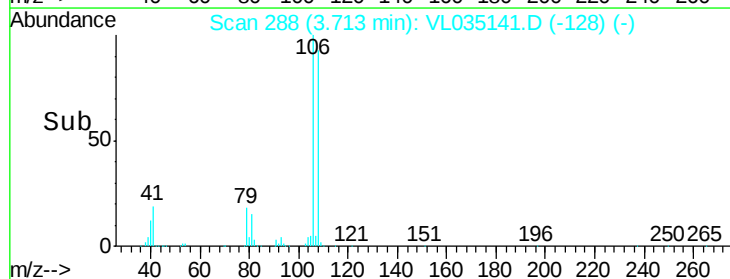
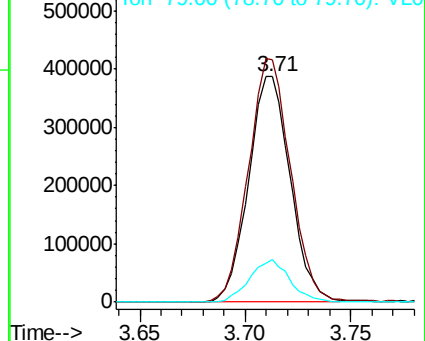
79 18.6 14.2 21.2

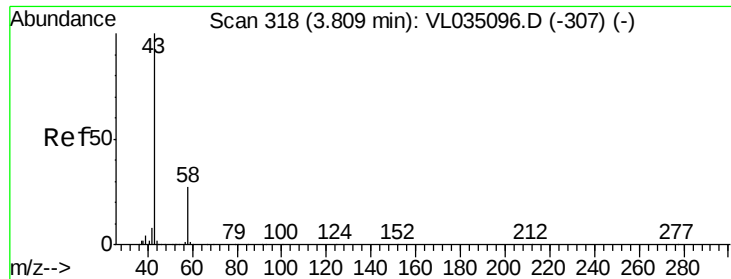


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.304 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

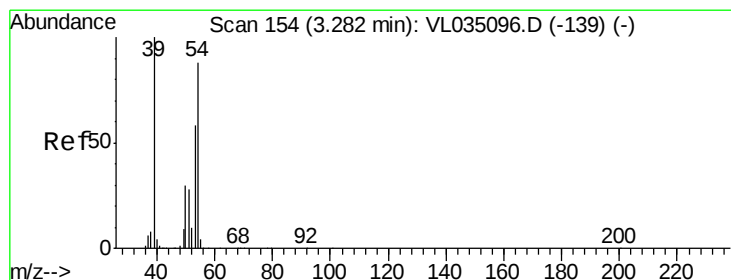
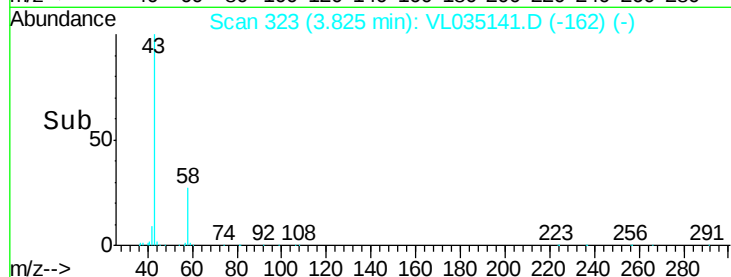
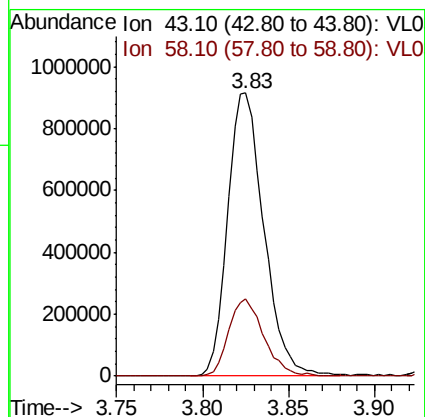
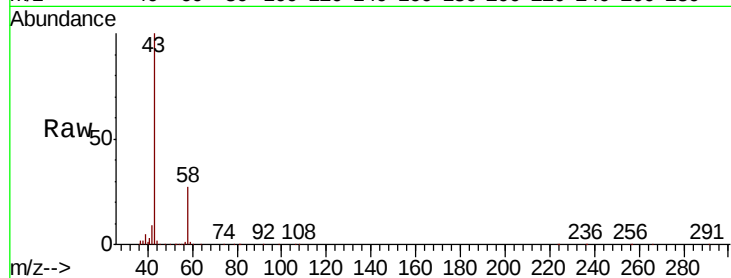
ClientSampleId :

Tot Ion: 43 Resp: 1336009

Ion Ratio Lower Upper

43 100

58 26.9 21.8 32.6



#16

1,3-Butadiene

Concen: 10.316 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.01 min

Lab File: VL035141.D

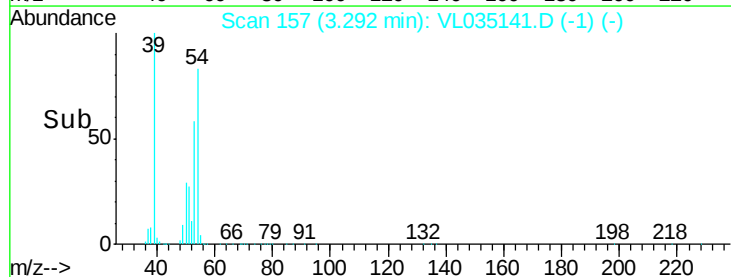
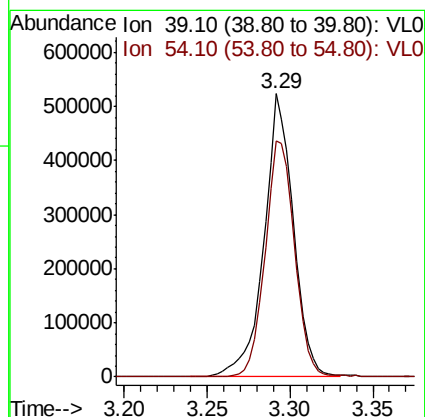
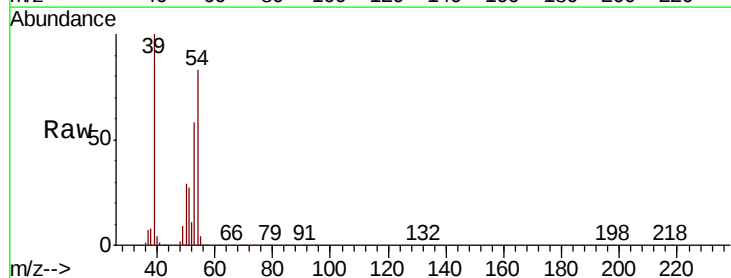
Acq: 1 Jul 2020 1:34

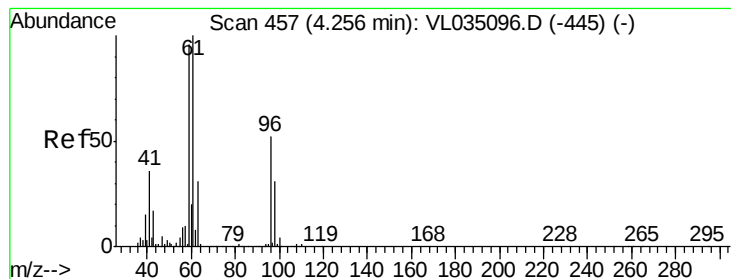
Tgt Ion: 39 Resp: 649676

Ion Ratio Lower Upper

39 100

54 83.9 67.0 100.4



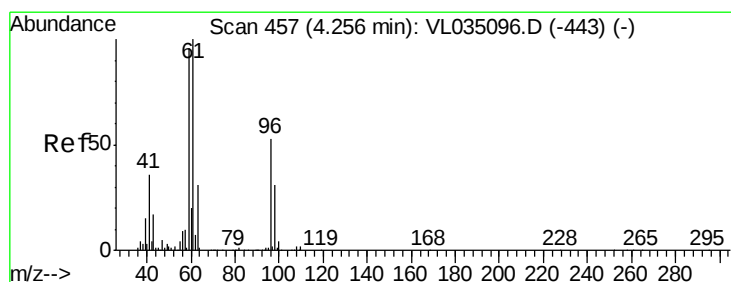
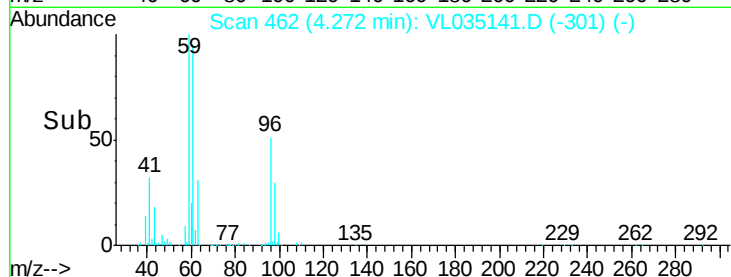
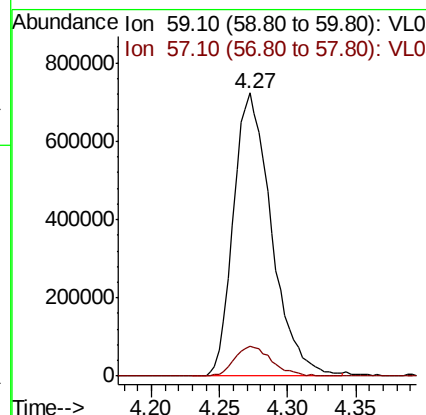
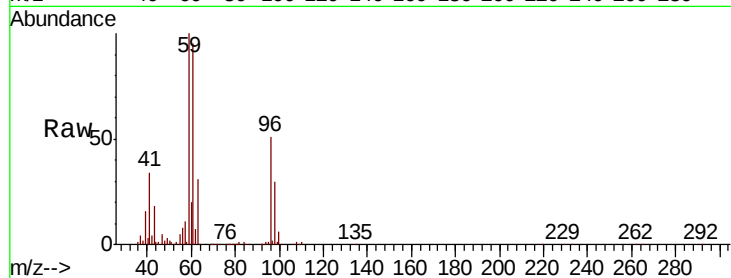


#17

tert-Butyl alcohol
 Concen: 11.036 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :

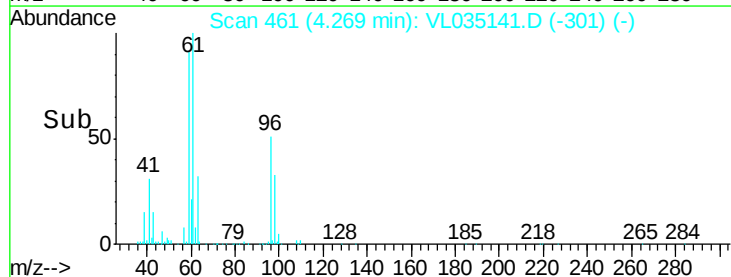
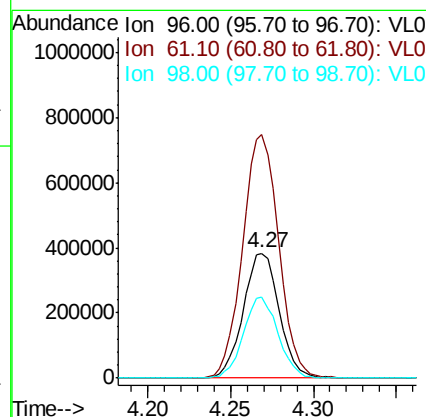
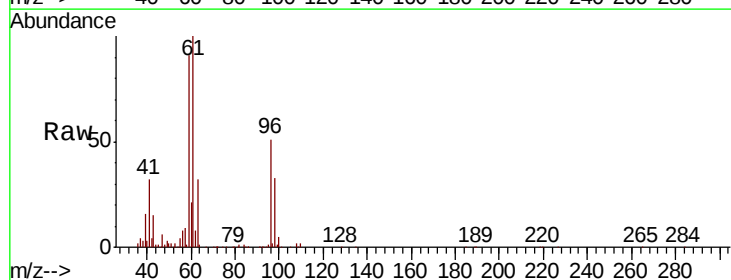
Tot Ion: 59 Resp: 1404414
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 12.8

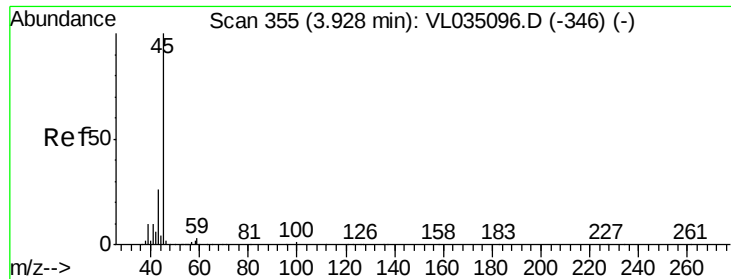


#18

1,1-Dichloroethene
 Concen: 10.805 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 96 Resp: 577346
 Ion Ratio Lower Upper
 96 100
 61 195.0 152.2 228.4
 98 64.9 47.7 71.5



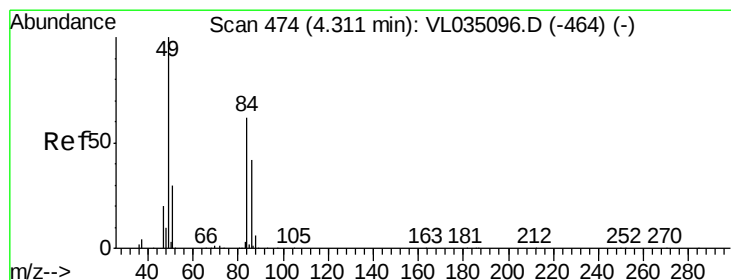
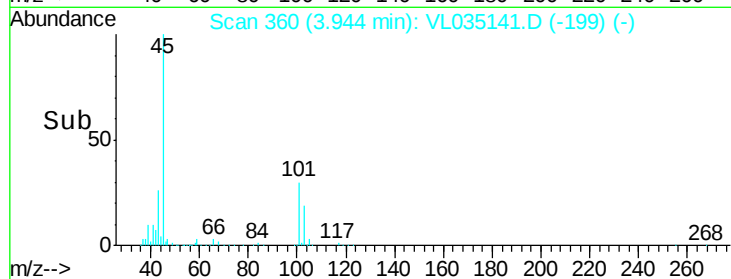
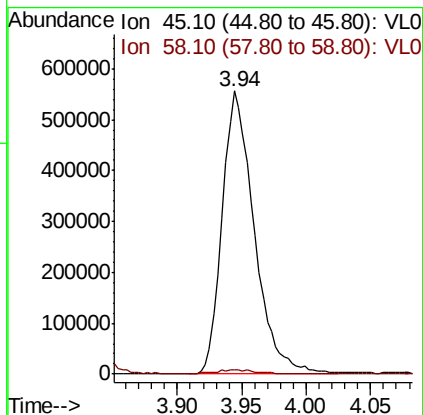
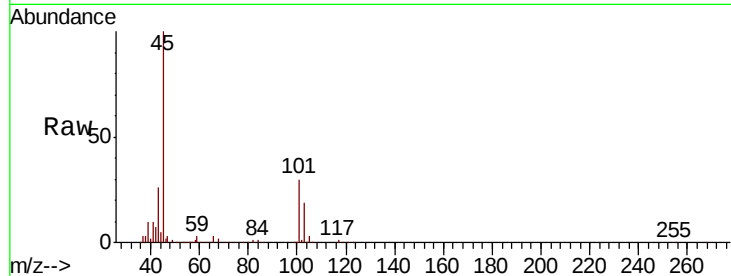


#19

Isopropyl Alcohol
 Concen: 10.277 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :

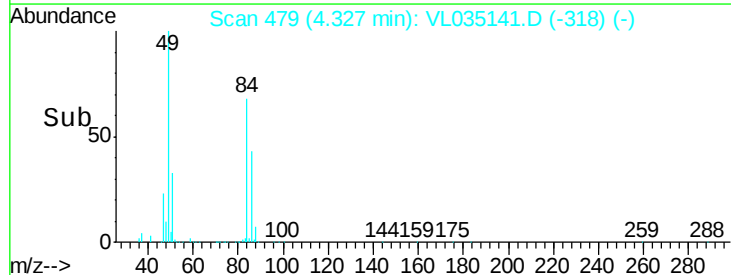
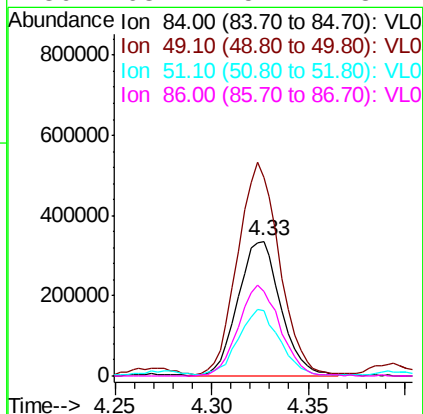
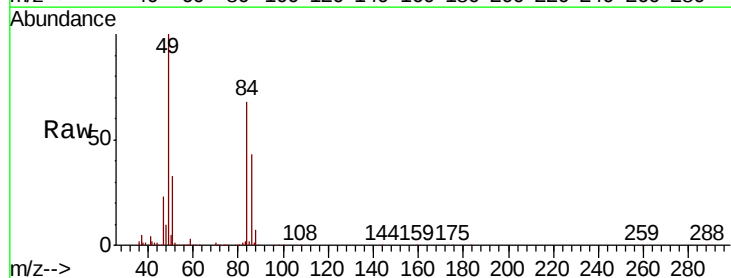
Tot Ion: 45 Resp: 958232
 Ion Ratio Lower Upper
 45 100
 58 2.1 1.8 2.8

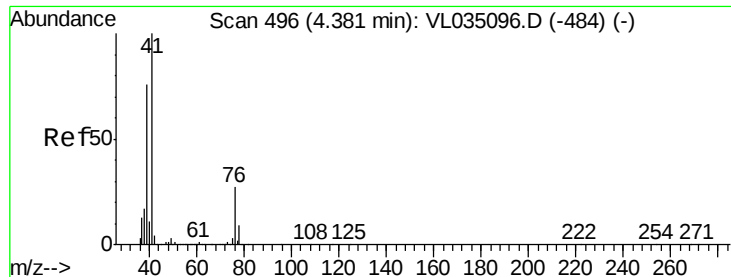


#20

Methylene Chloride
 Concen: 8.872 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 84 Resp: 515586
 Ion Ratio Lower Upper
 84 100
 49 146.2 128.8 193.2
 51 47.9 38.7 58.1
 86 63.2 54.1 81.1





#21

Allvl Chloride

Concen: 10.703 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

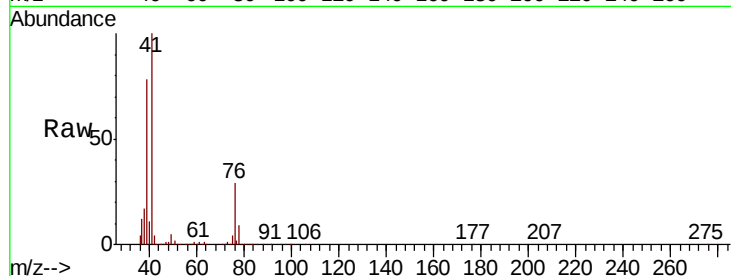
Tot Ion: 41 Resp: 913358

Ion Ratio Lower Upper

41 100

76 30.1 22.6 34.0

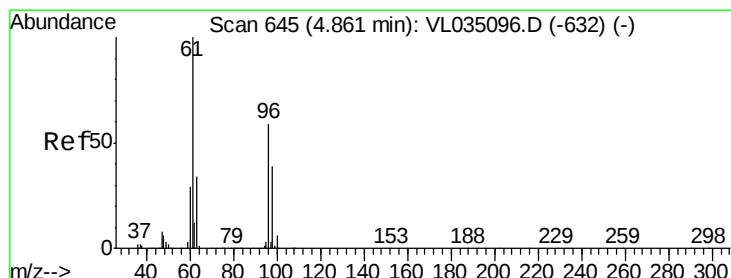
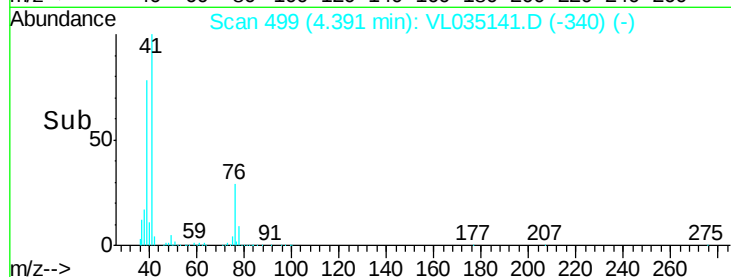
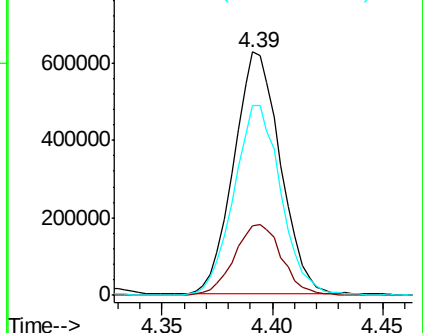
39 79.9 61.6 92.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.254 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

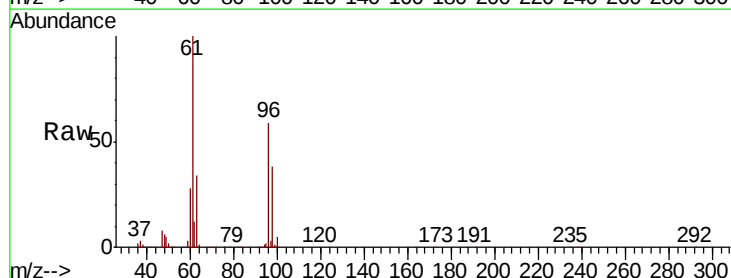
Tgt Ion: 96 Resp: 562609

Ion Ratio Lower Upper

96 100

61 170.8 134.5 201.7

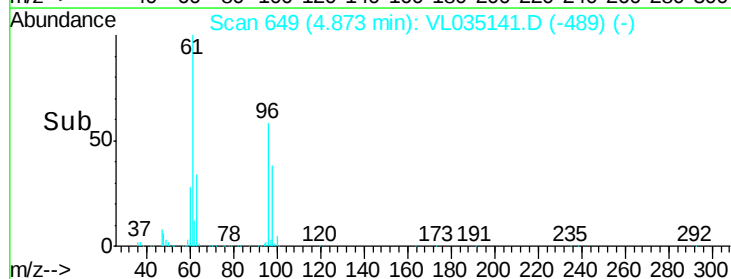
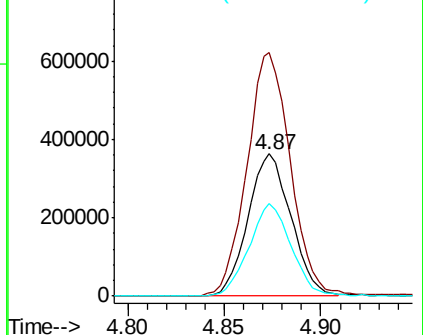
98 64.6 52.6 79.0

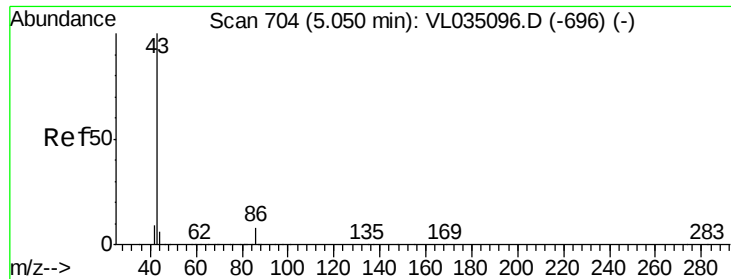


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.676 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.02 min

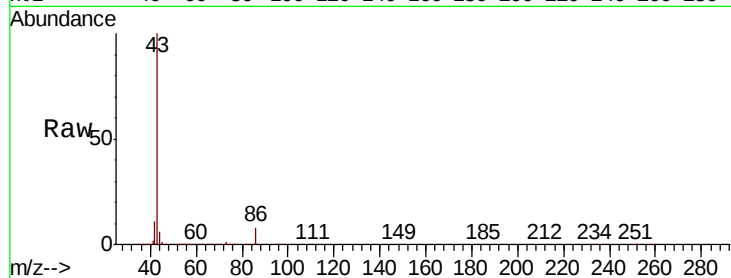
Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

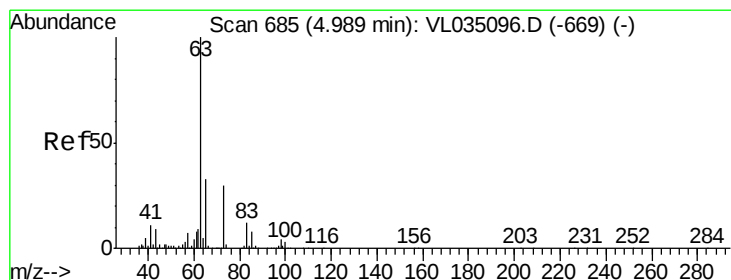
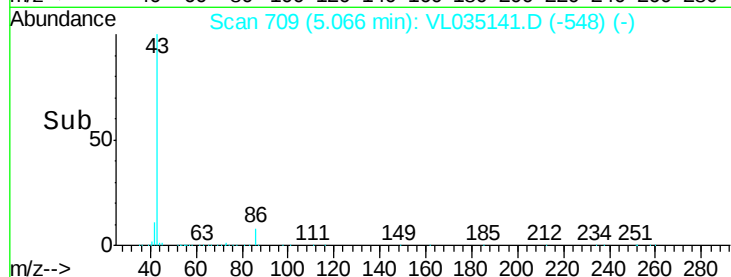
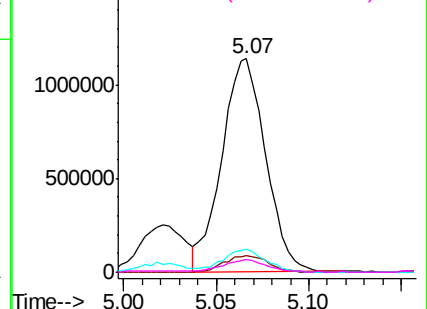
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1860880

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.6	8.1	12.1
44	5.5	4.6	7.0



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



#24

1,1-Dichloroethane

Concen: 10.062 ppbv

RT: 5.00 min Scan# 689

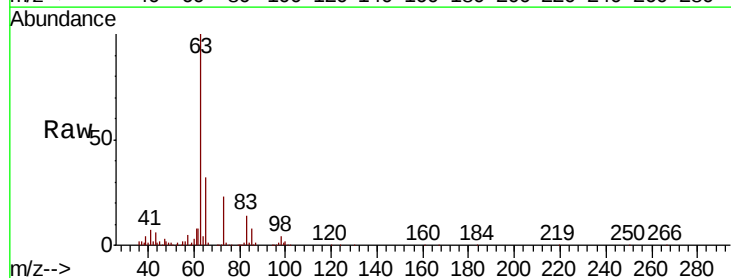
Delta R.T. 0.01 min

Lab File: VL035141.D

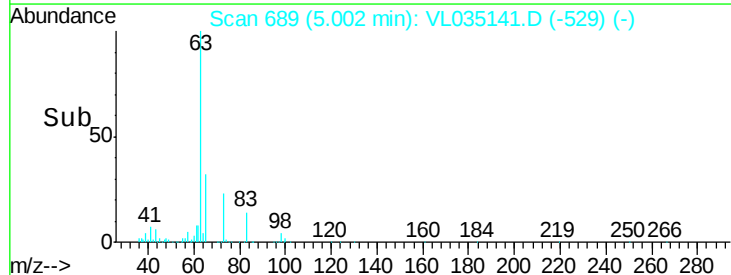
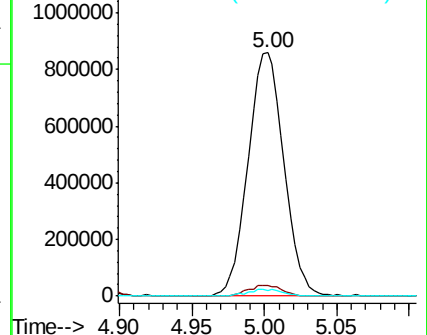
Acq: 1 Jul 2020 1:34

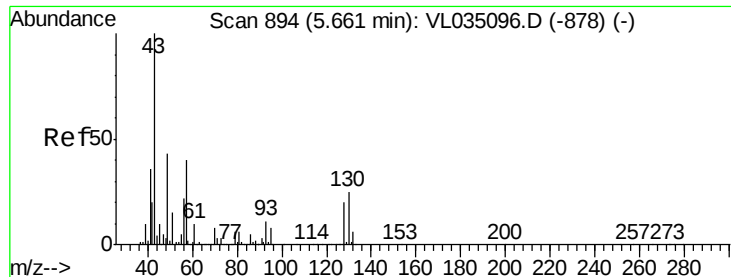
Tgt Ion: 63 Resp: 1478540

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.4	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



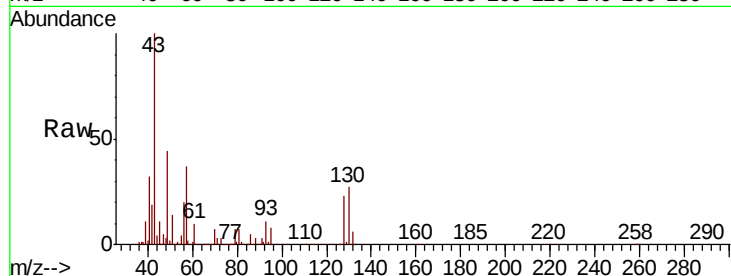


#25
Ethyl Acetate
Concen: 9.683 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2509381

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	9.8	8.0	12.0
70	7.7	6.3	9.5



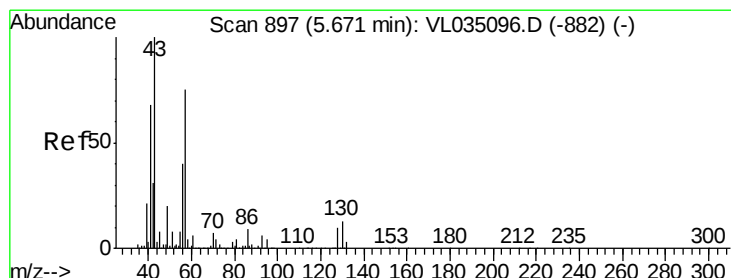
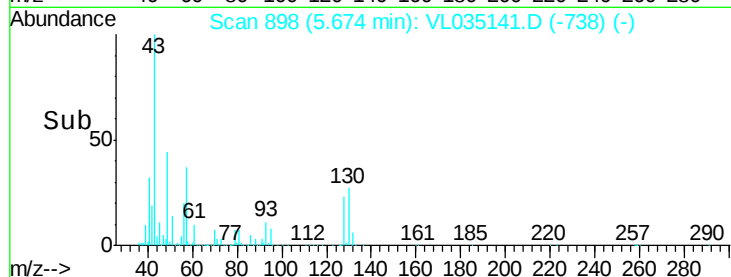
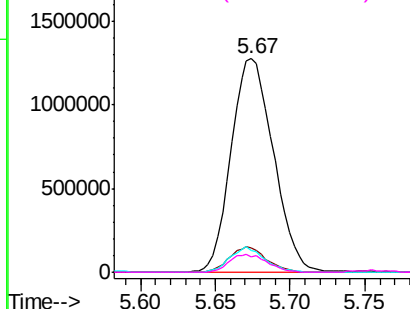
Abundance

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

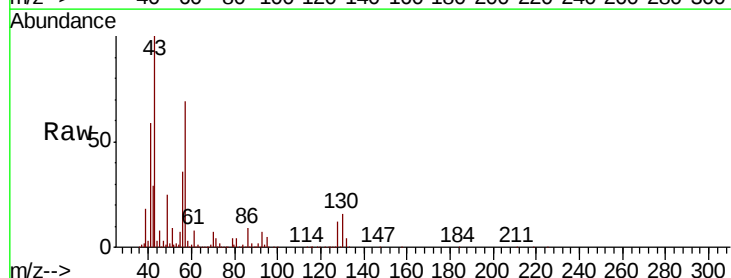
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.724 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 57 Resp: 1136095

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.9	109.3
43	222.4	181.3	271.9
56	52.9	43.1	64.7



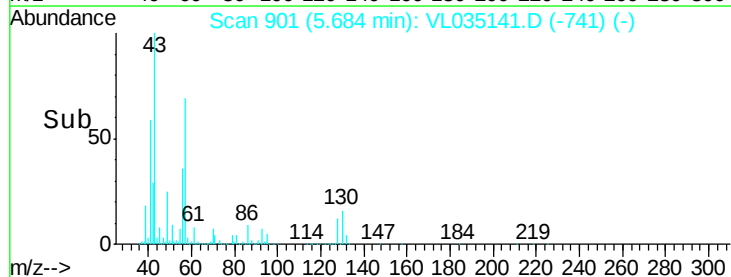
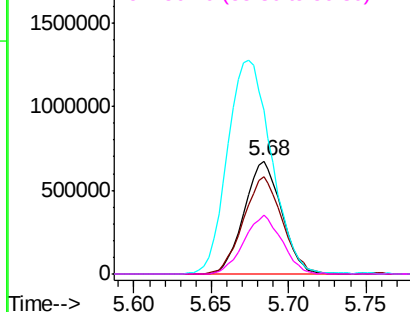
Abundance

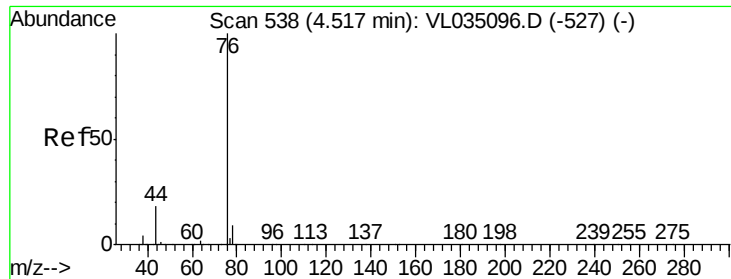
Ion 57.10 (56.80 to 57.80): VL0

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: 12.438 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

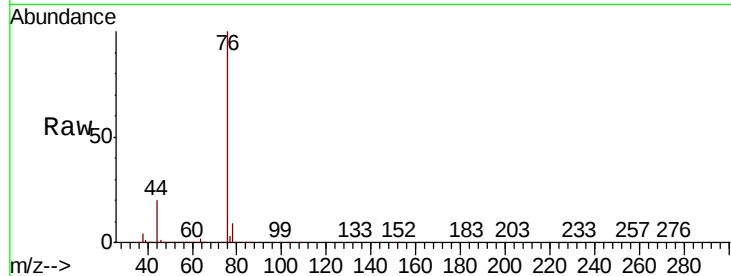
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1503927

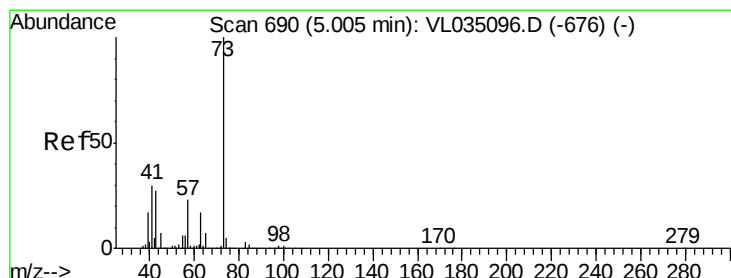
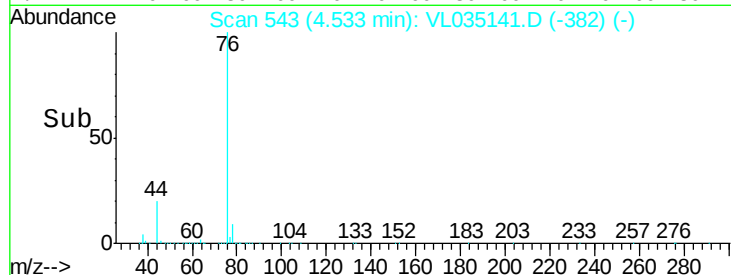
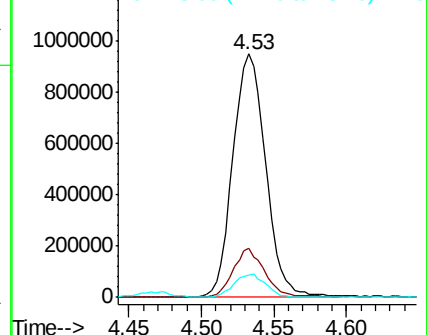
Ion	Ratio	Lower	Upper
76	100		
44	18.3	15.8	23.8
78	9.5	7.6	11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.502 ppbv

RT: 5.02 min Scan# 695

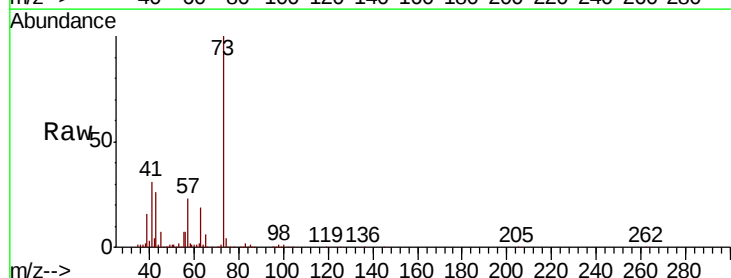
Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

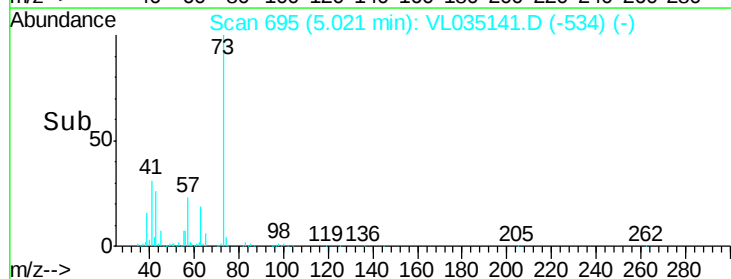
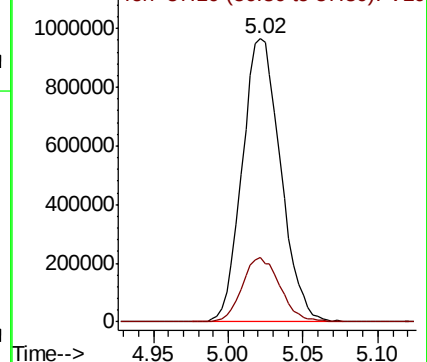
Tgt Ion: 73 Resp: 1723994

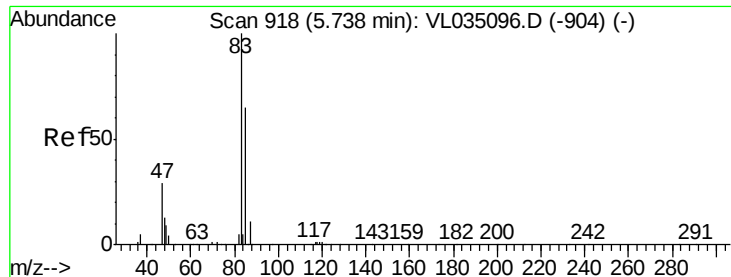
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.668 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

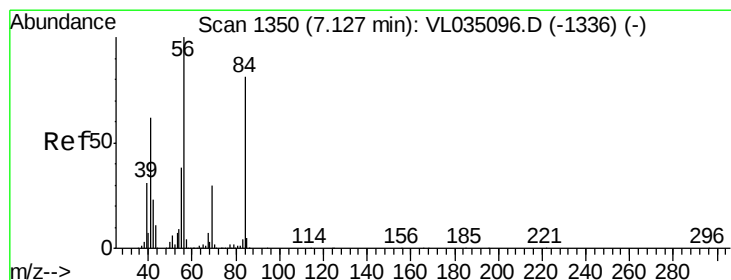
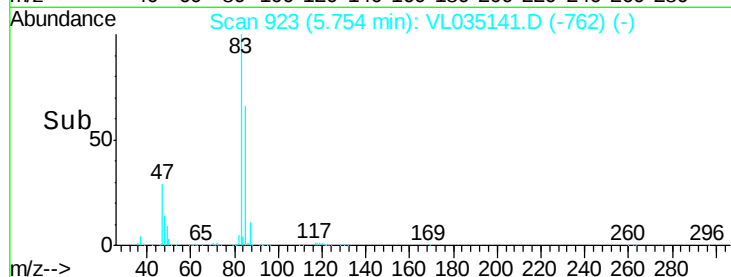
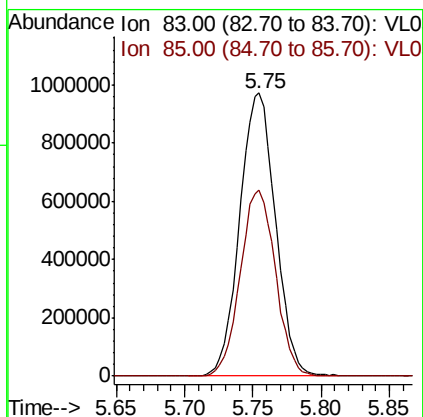
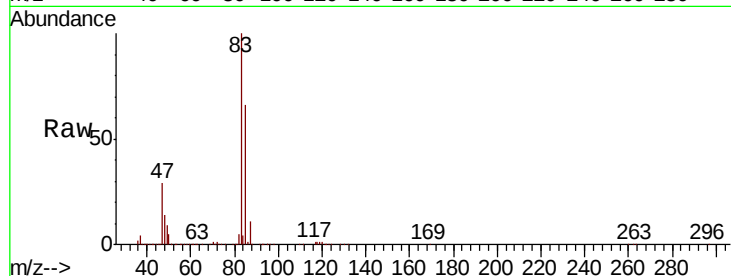
ClientSampleId :

Tot Ion: 83 Resp: 1767670

Ion Ratio Lower Upper

83 100

85 65.8 52.1 78.1



#30

Cyclohexane

Concen: 10.931 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

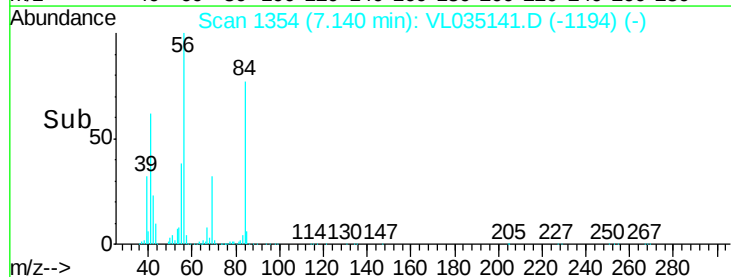
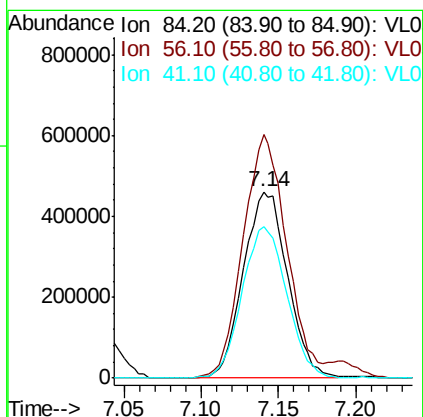
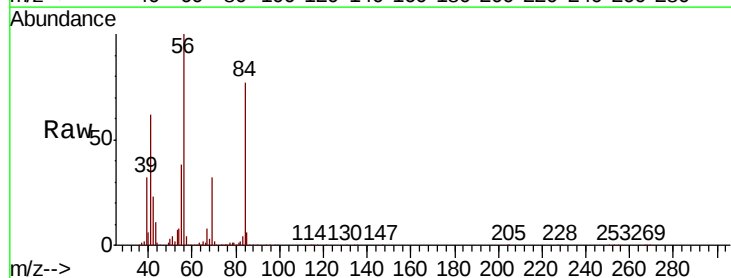
Tgt Ion: 84 Resp: 916588

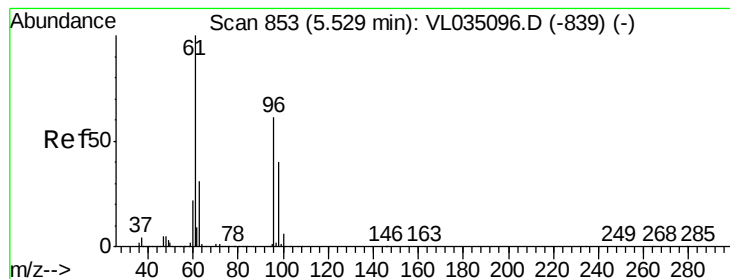
Ion Ratio Lower Upper

84 100

56 135.6 108.0 162.0

41 82.4 65.6 98.4





#31

cis-1,2-Dichloroethene

Concen: 10.498 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

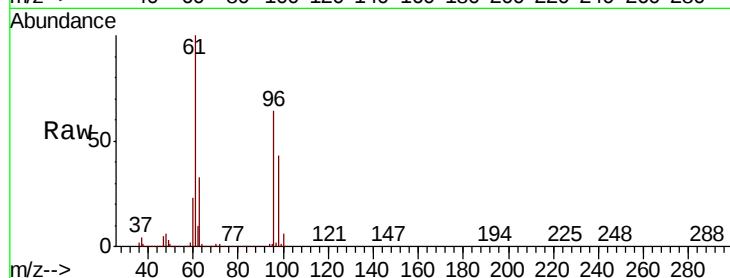
Tot Ion: 61 Resp: 1130722

Ion Ratio Lower Upper

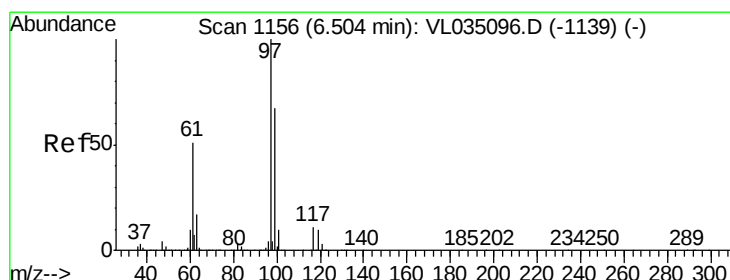
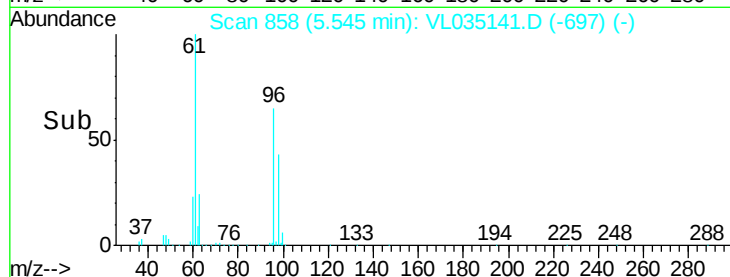
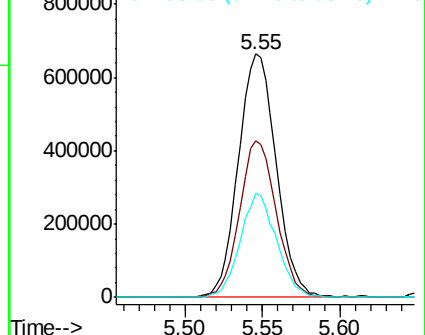
61 100

96 64.3 48.8 73.2

98 42.9 31.9 47.9



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



#32

1,1,1-Trichloroethane

Concen: 10.105 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

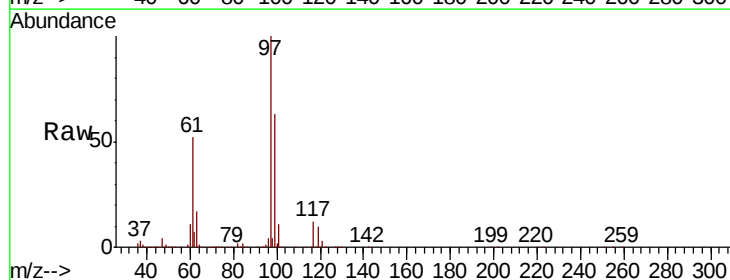
Tgt Ion: 97 Resp: 1713566

Ion Ratio Lower Upper

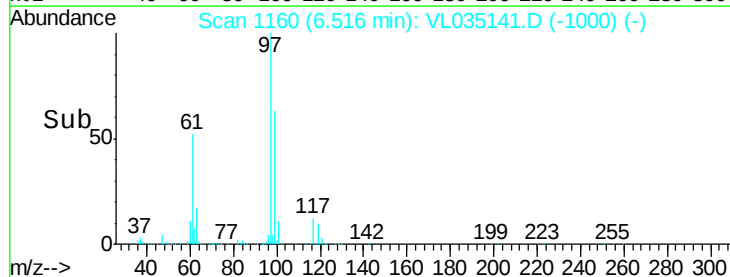
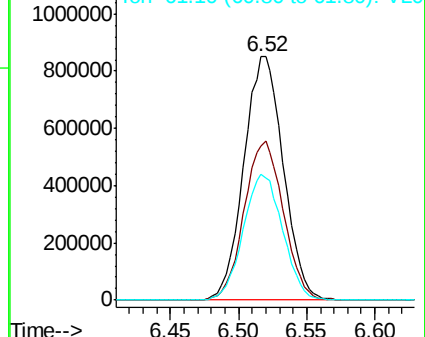
97 100

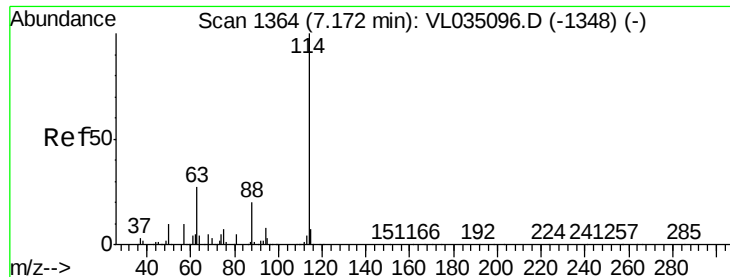
99 64.7 52.0 78.0

61 51.5 41.0 61.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

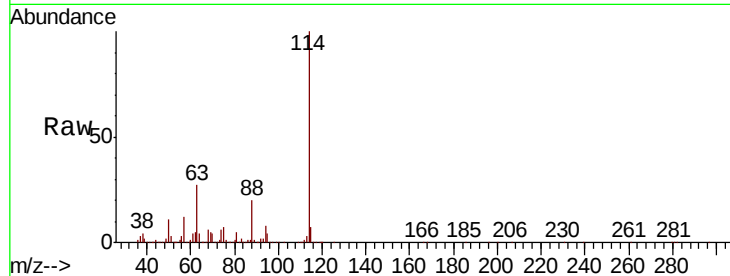




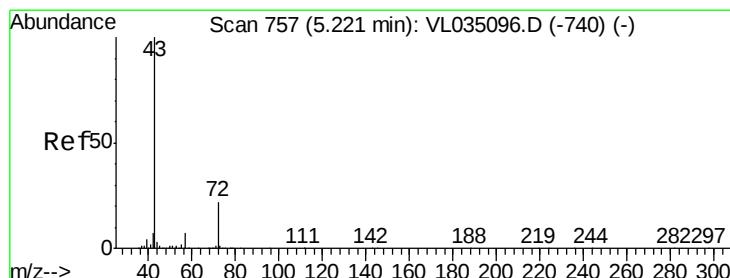
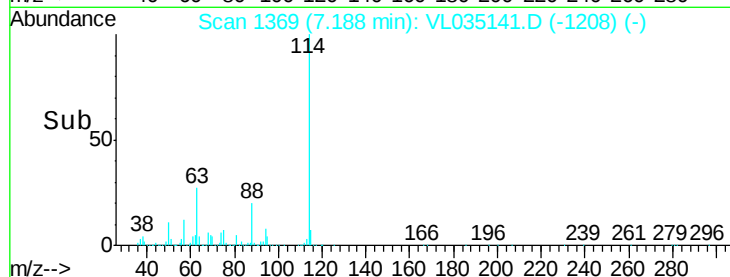
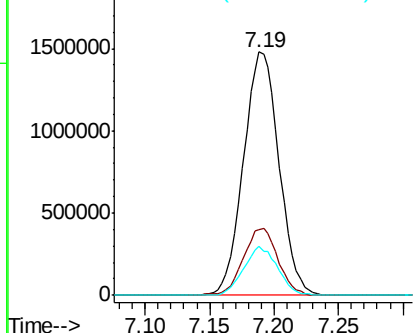
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2841122
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.9 32.9
 88 19.2 15.6 23.4

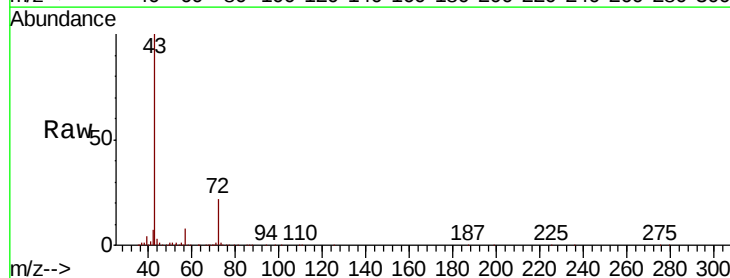


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

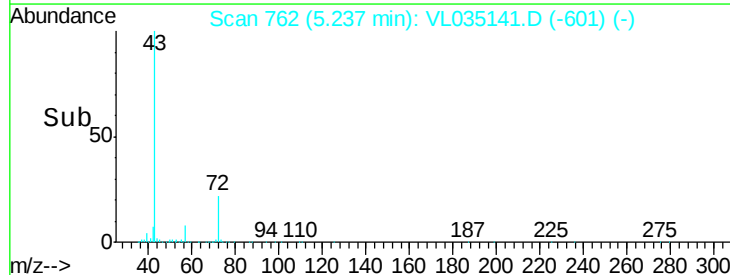
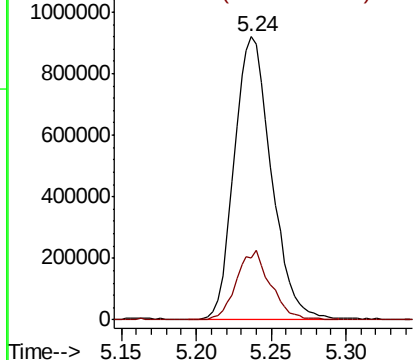


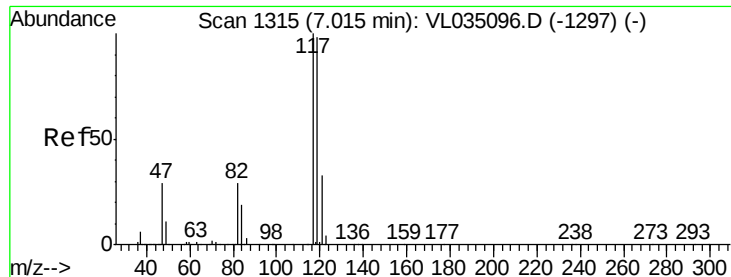
#34
 2-Butanone
 Concen: 9.699 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 43 Resp: 1582484
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.3 27.5



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

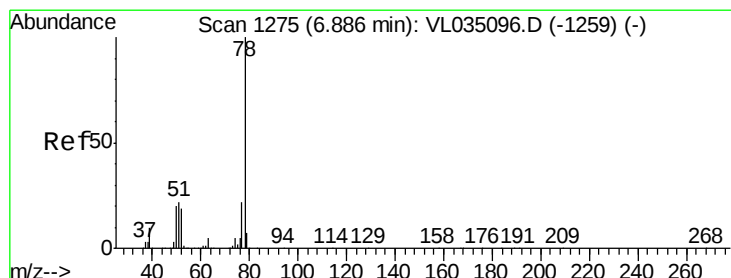
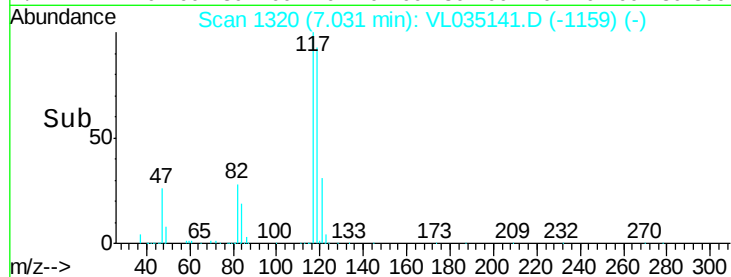
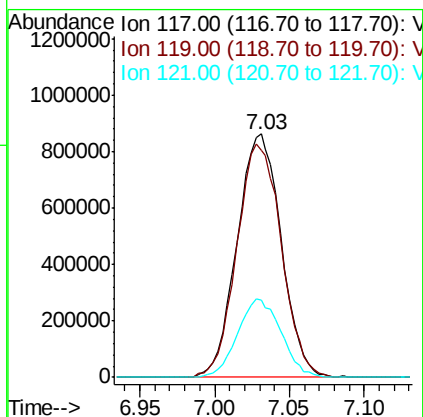
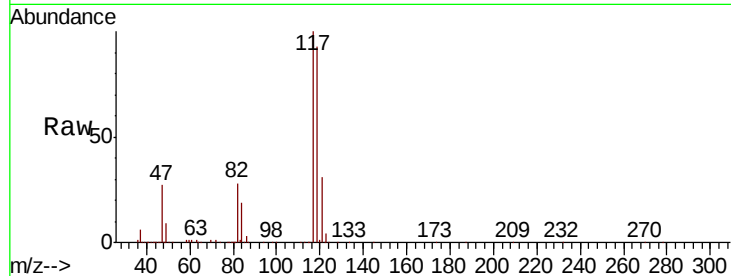




#35
Carbon Tetrachloride
Concen: 10.381 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

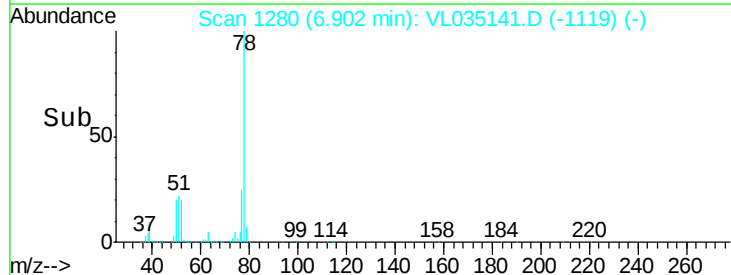
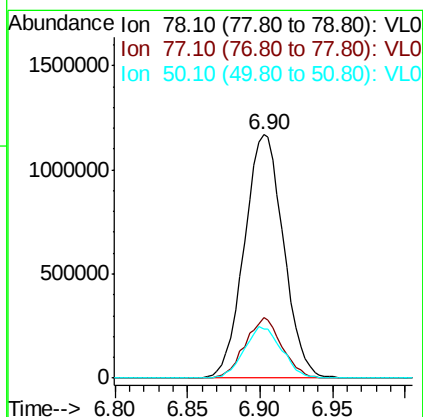
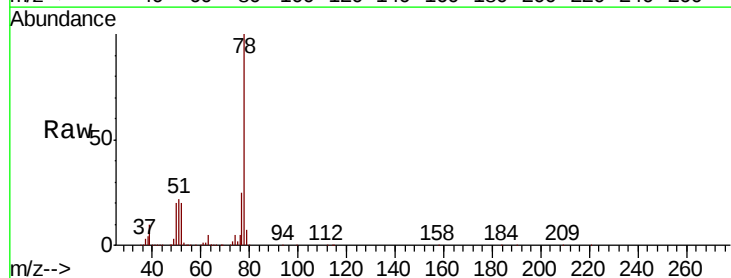
Instrument :
MSVOA_L
ClientSampled :

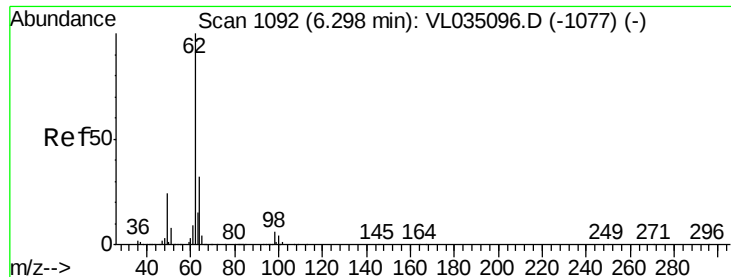
Tot Ion:117 Resp: 1768850
Ion Ratio Lower Upper
117 100
119 93.1 78.3 117.5
121 31.4 26.0 39.0



#36
Benzene
Concen: 9.983 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 78 Resp: 2196353
Ion Ratio Lower Upper
78 100
77 25.1 17.8 26.6
50 20.0 16.2 24.2

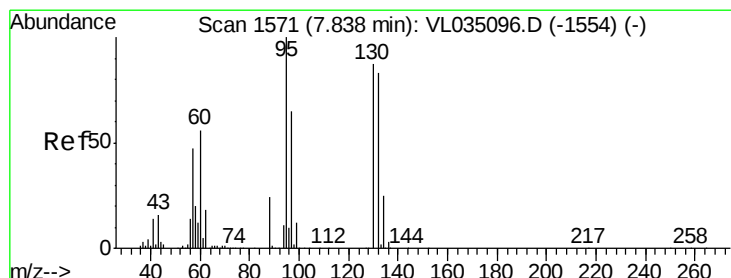
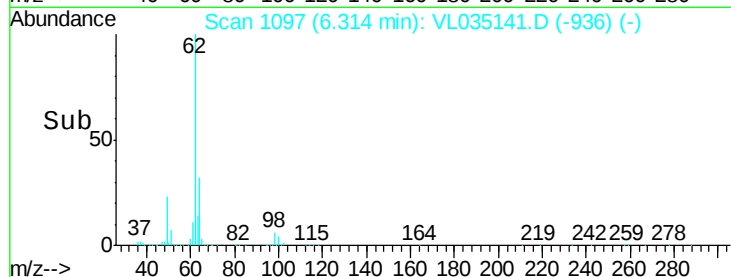
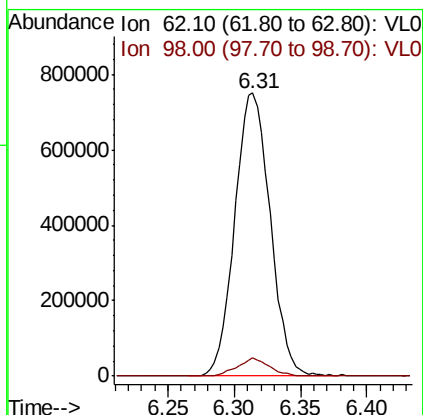
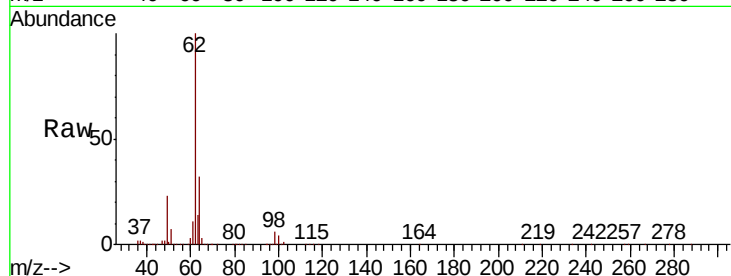




#37
 1,2-Dichloroethane
 Concen: 10.024 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

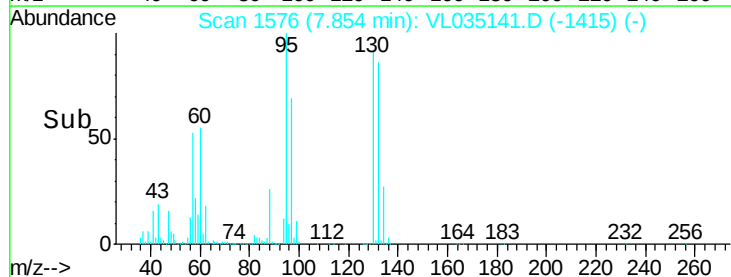
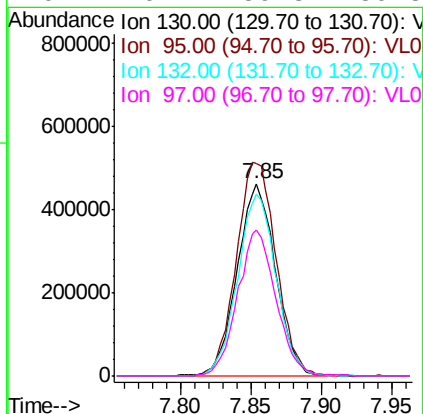
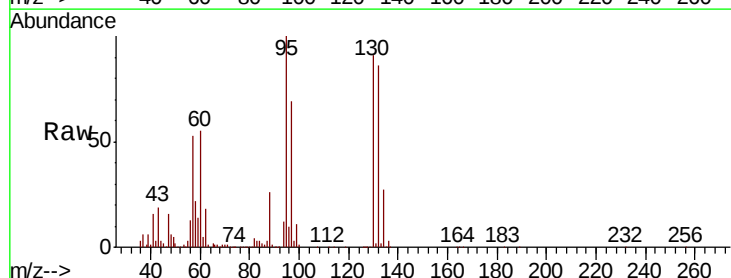
Instrument :
 MSVOA_L
 ClientSampleId :

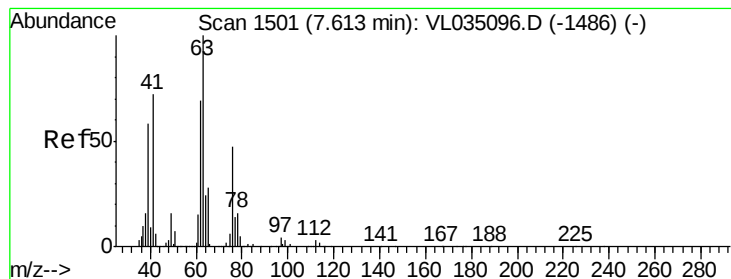
Tot Ion: 62 Resp: 1393728
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2



#38
 Trichloroethene
 Concen: 10.242 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 130 Resp: 875187
 Ion Ratio Lower Upper
 130 100
 95 110.5 91.4 137.2
 132 94.5 75.8 113.6
 97 76.2 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.029 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

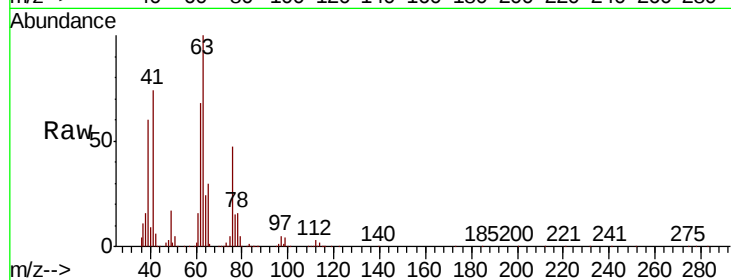
Tot Ion: 63 Resp: 862987

Ion Ratio Lower Upper

63 100

41 73.9 58.0 87.0

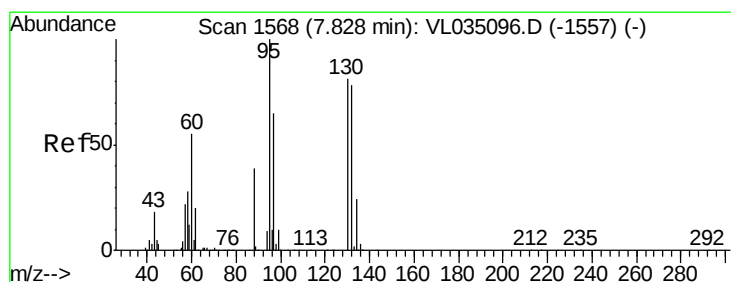
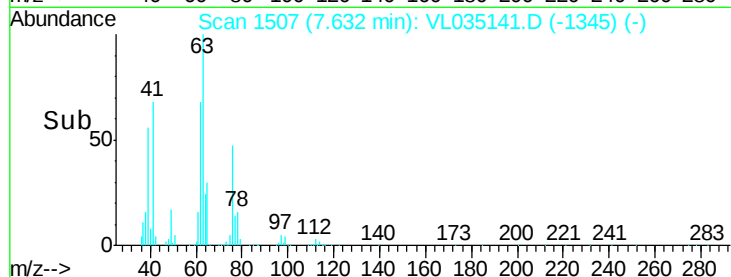
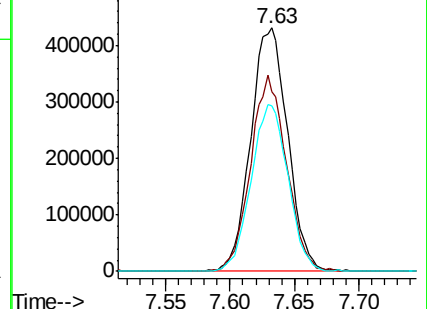
62 68.0 55.4 83.0



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: 10.071 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Tgt Ion: 88 Resp: 341806

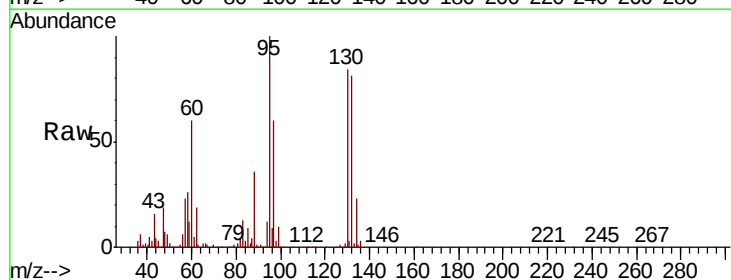
Ion Ratio Lower Upper

88 100

58 126.2 110.2 165.4

43 248.0 0.0 0.0#

57 1110.3 0.0 0.0#

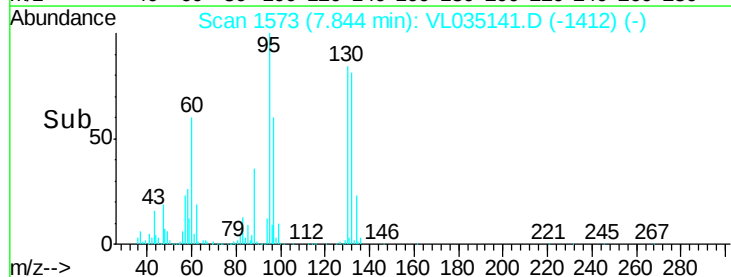
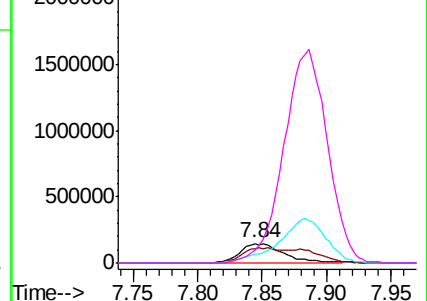


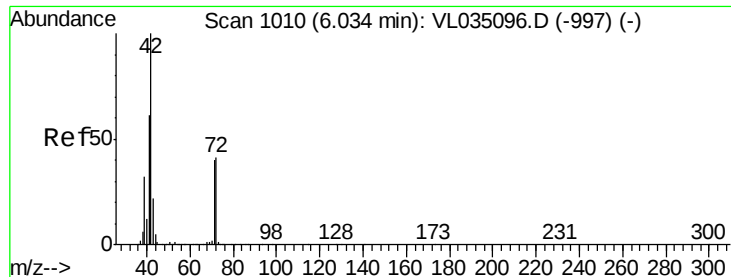
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.506 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

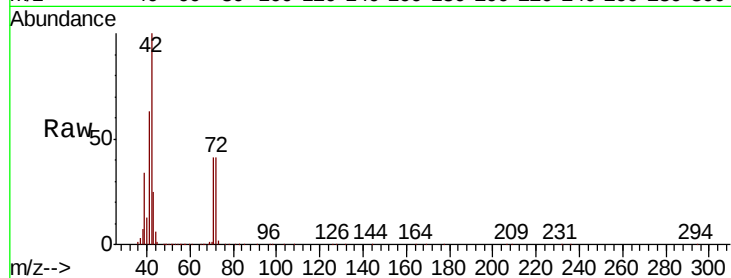
Tot Ion: 42 Resp: 875520

Ion Ratio Lower Upper

42 100

72 41.2 33.4 50.2

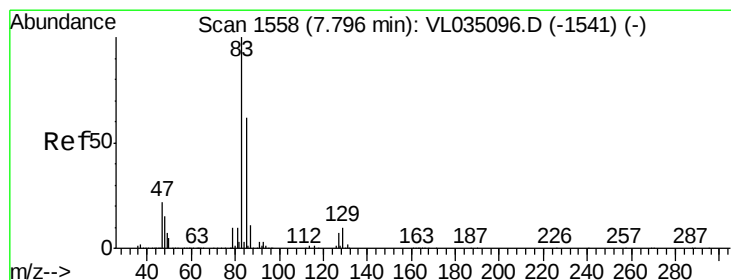
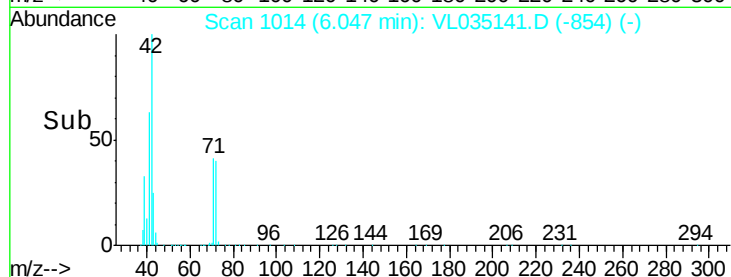
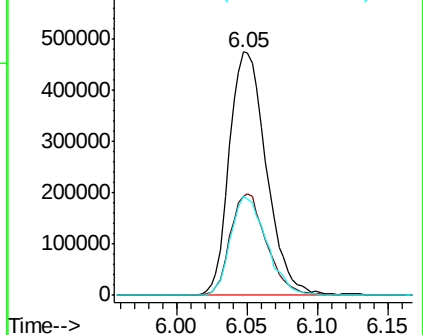
71 39.7 31.8 47.6



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: 10.302 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

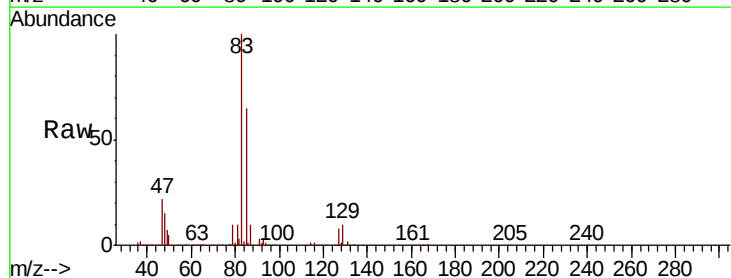
Tgt Ion: 83 Resp: 1855219

Ion Ratio Lower Upper

83 100

85 64.6 49.4 74.0

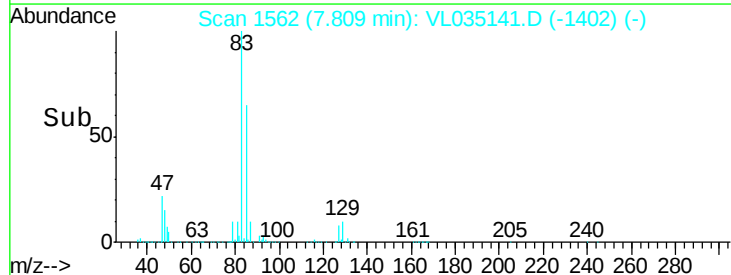
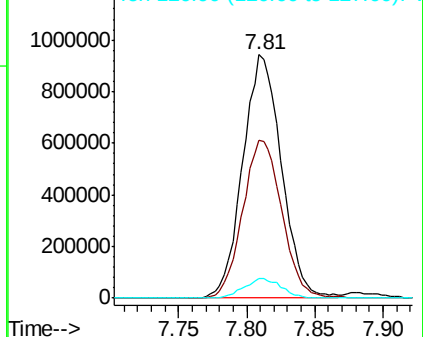
127 7.9 5.9 8.9

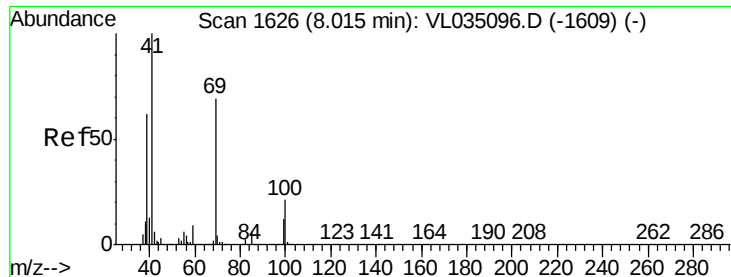


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

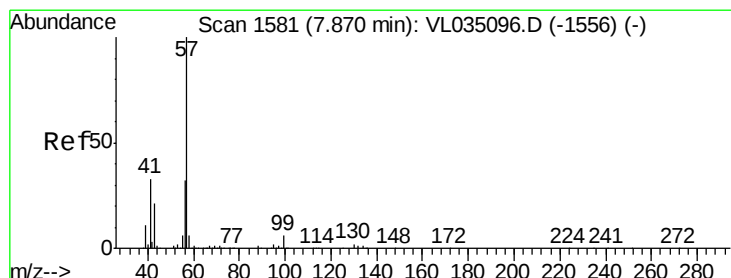
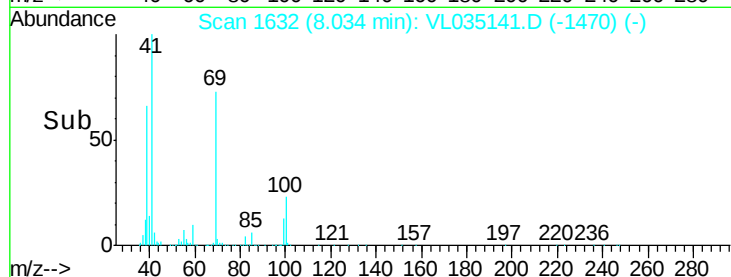
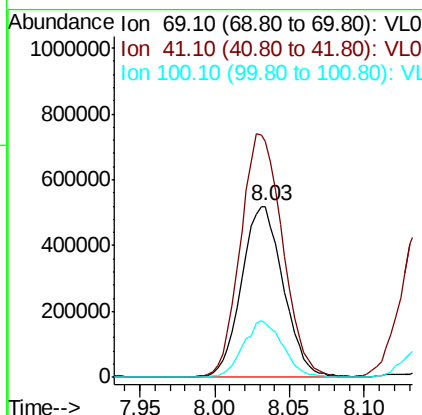
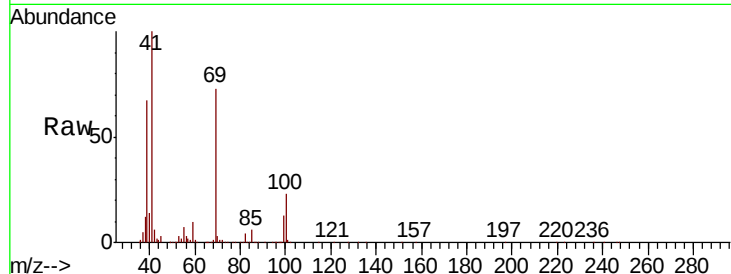




#43
Methyl Methacrylate
Concen: 10.854 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

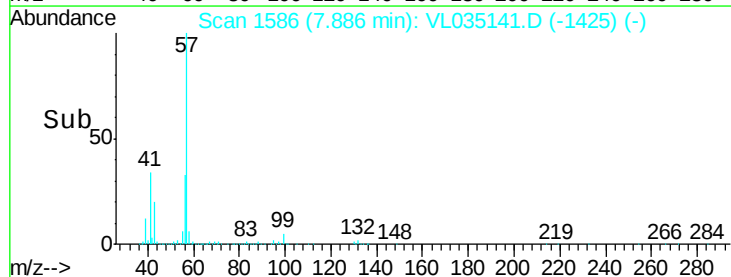
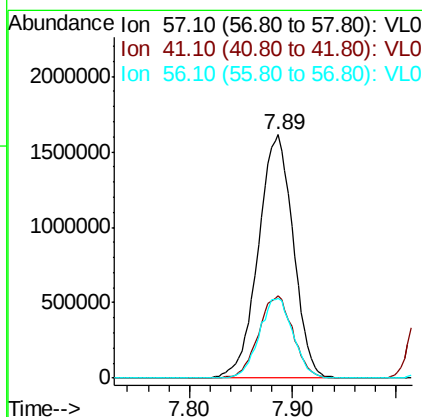
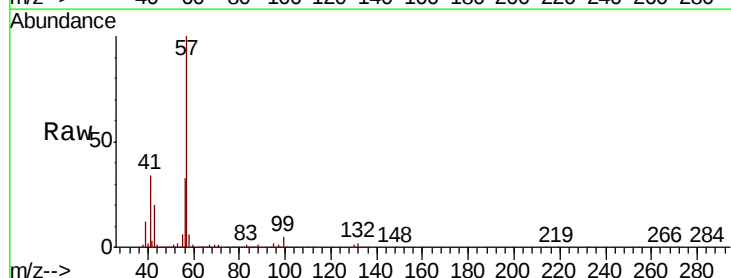
Instrument :
MSVOA_L
ClientSampleId :

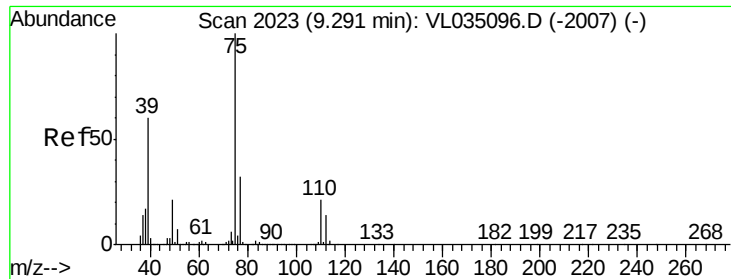
Tot Ion: 69 Resp: 1010770
Ion Ratio Lower Upper
69 100
41 143.4 116.4 174.6
100 31.5 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.872 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 57 Resp: 3790574
Ion Ratio Lower Upper
57 100
41 33.4 26.2 39.2
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.273 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

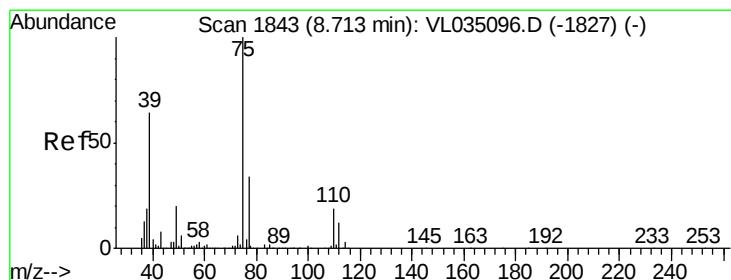
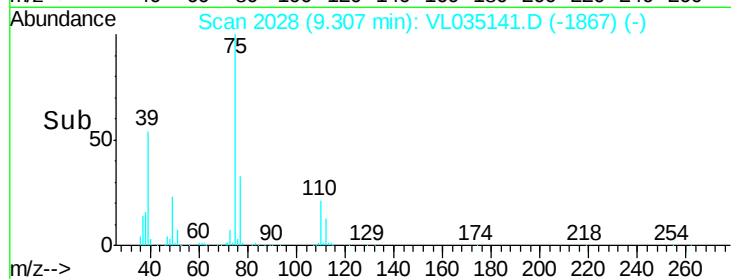
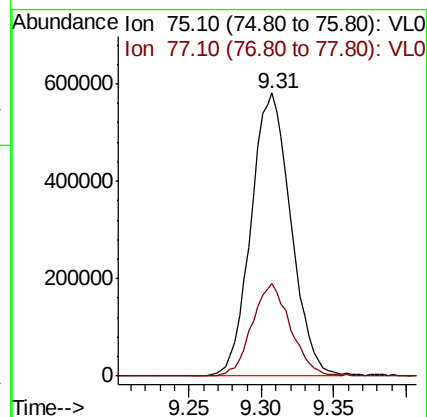
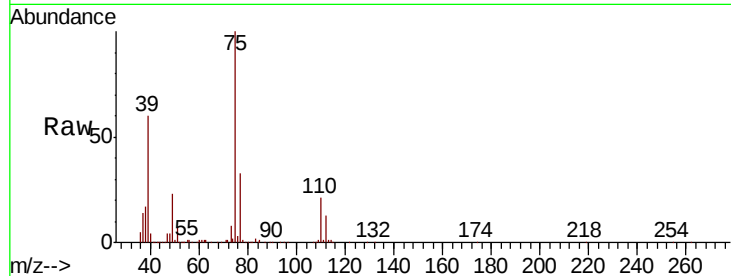
ClientSampleId :

Tot Ion: 75 Resp: 1112290

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3



#46

cis-1,3-Dichloropropene

Concen: 11.572 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

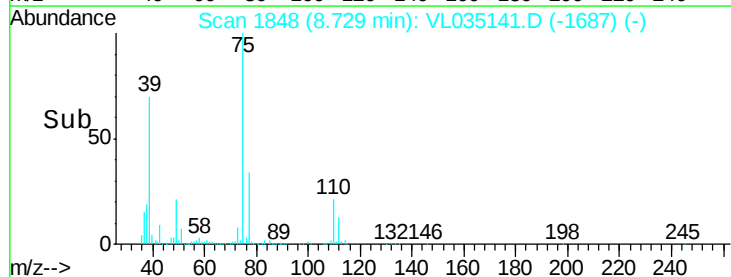
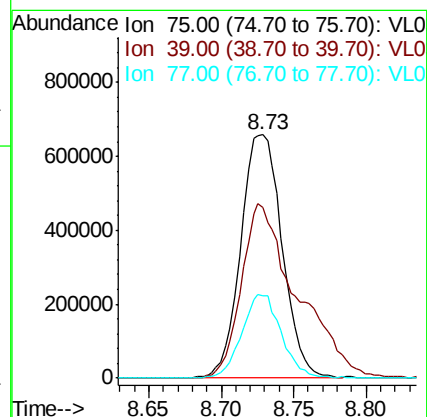
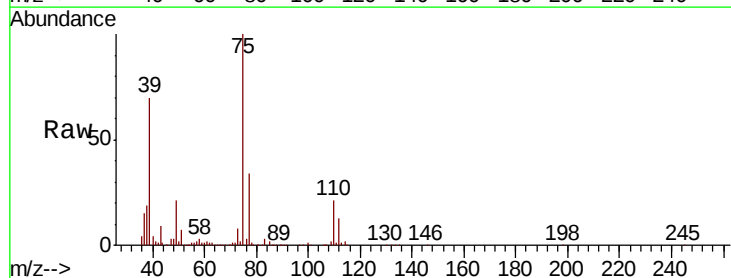
Tgt Ion: 75 Resp: 1302868

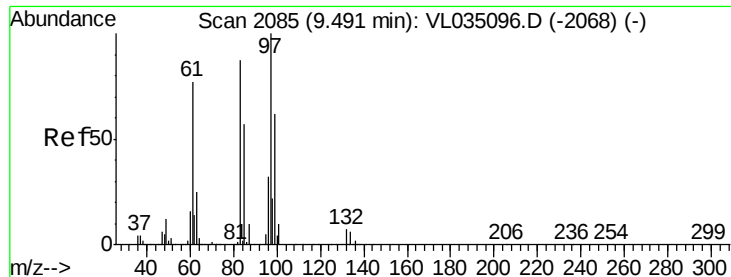
Ion Ratio Lower Upper

75 100

39 69.9 51.1 76.7

77 33.7 26.9 40.3

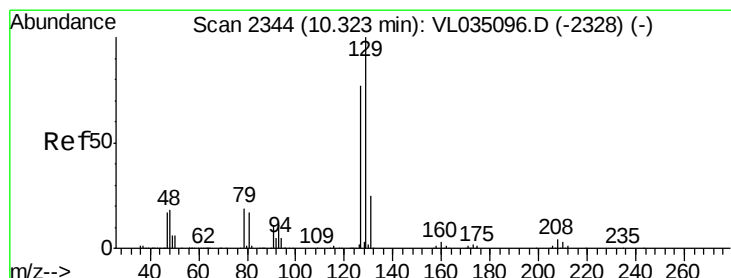
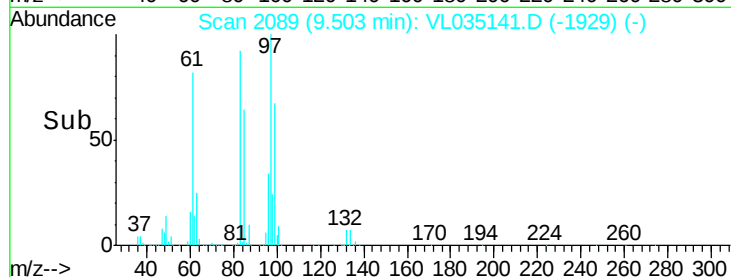
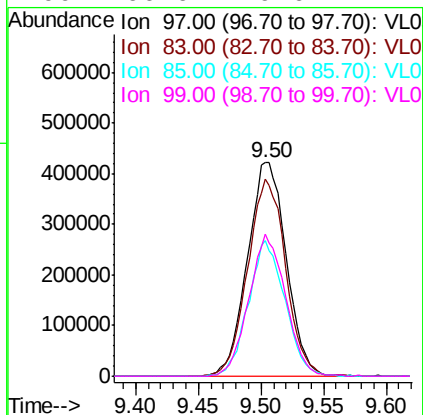
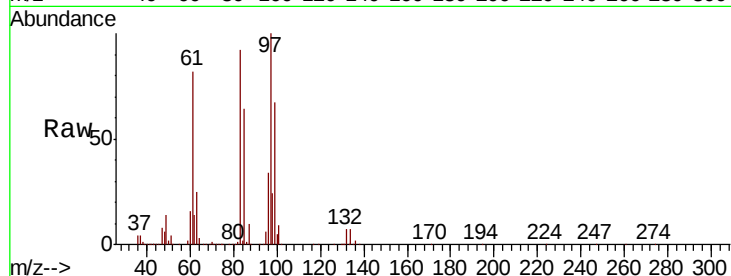




#47
 1,1,2-Trichloroethane
 Concen: 9.679 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

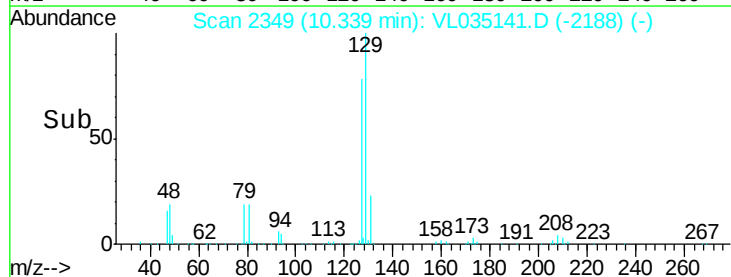
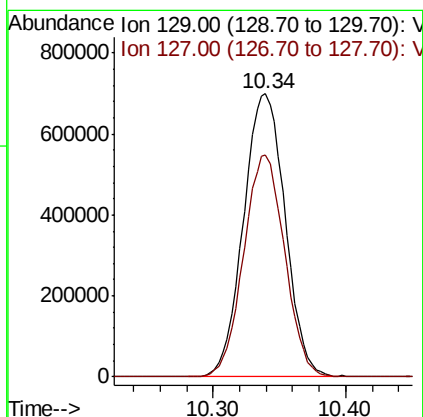
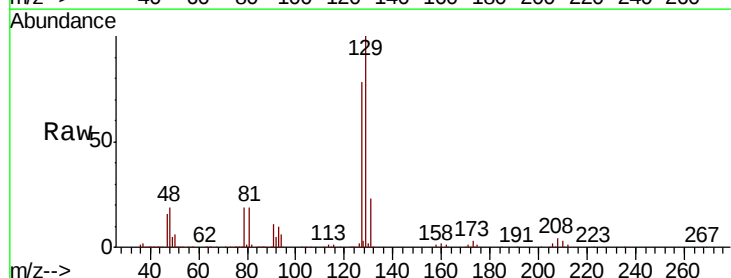
Instrument :
 MSVOA_L
 ClientSampleId :

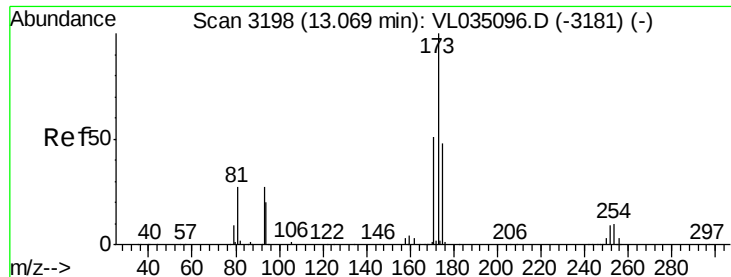
Tot Ion: 97 Resp: 908946
 Ion Ratio Lower Upper
 97 100
 83 92.2 69.5 104.3
 85 63.7 46.0 69.0
 99 66.6 49.6 74.4



#48
 Dibromochloromethane
 Concen: 10.918 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 129 Resp: 1528558
 Ion Ratio Lower Upper
 129 100
 127 77.4 39.3 117.8





#49

Bromoform

Concen: 10.715 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

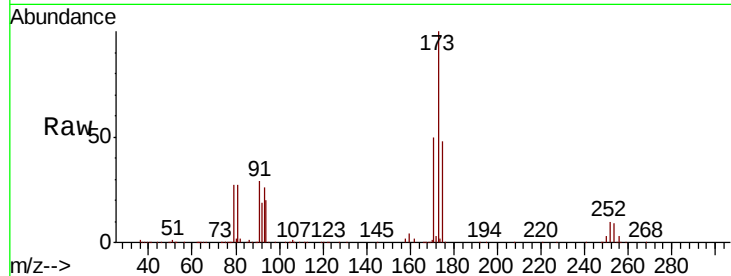
Tot Ion:173 Resp: 1274382

Ion Ratio Lower Upper

173 100

175 49.1 39.1 58.7

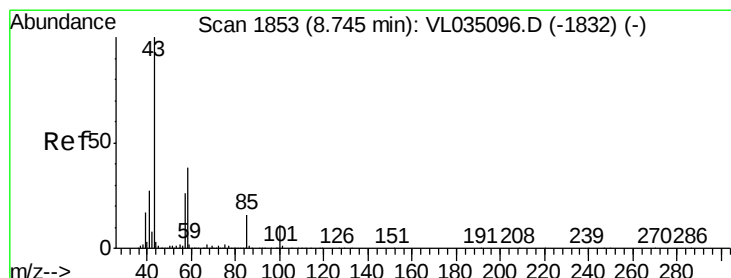
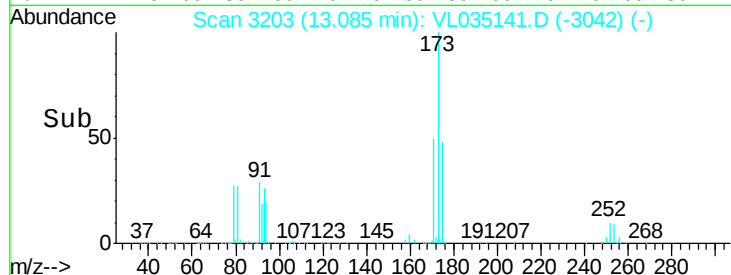
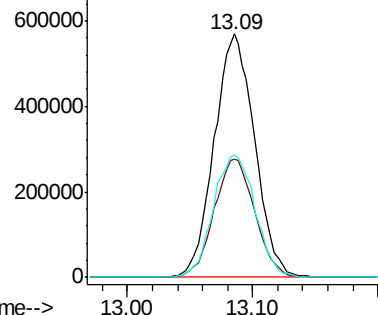
171 52.0 41.7 62.5



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: 10.204 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.02 min

Lab File: VL035141.D

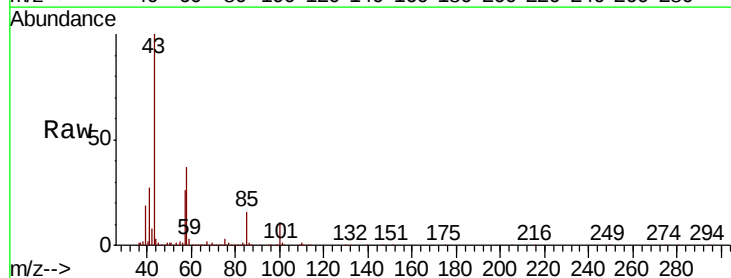
Acq: 1 Jul 2020 1:34

Tgt Ion: 43 Resp: 2365500

Ion Ratio Lower Upper

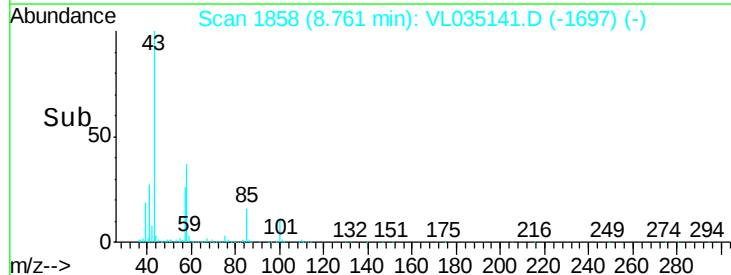
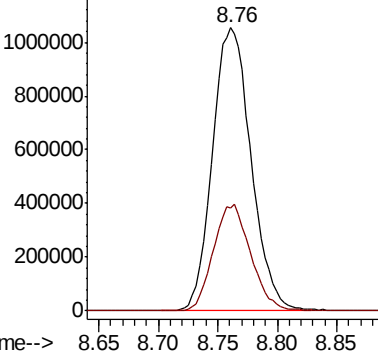
43 100

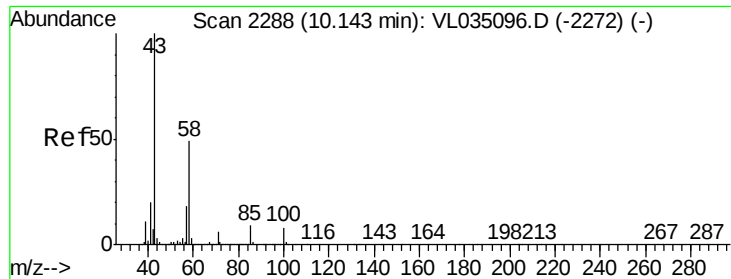
58 36.4 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

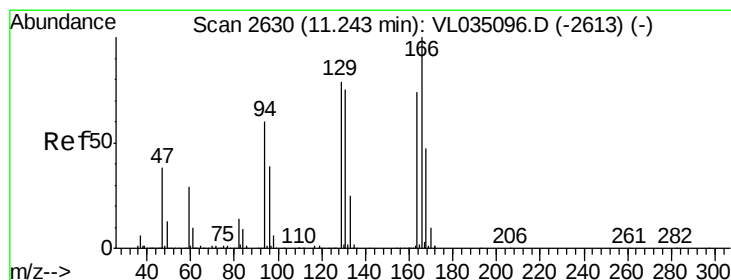
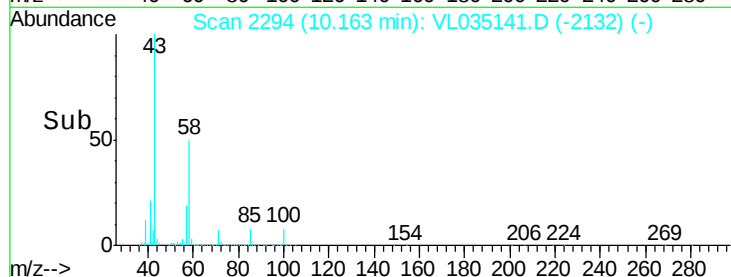
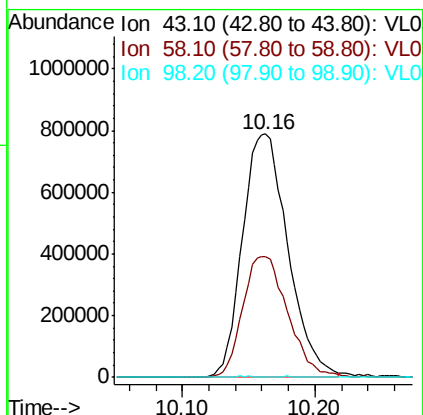
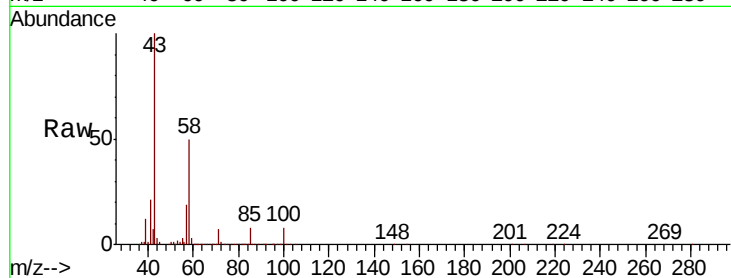




#51
2-Hexanone
Concen: 10.376 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

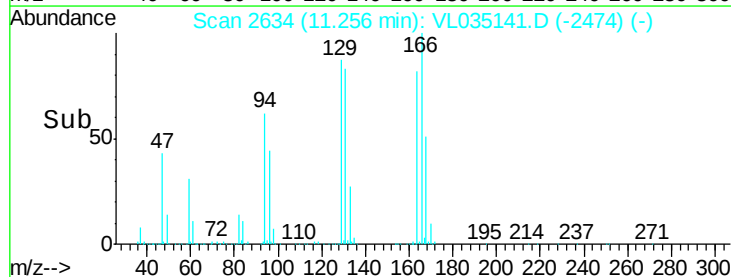
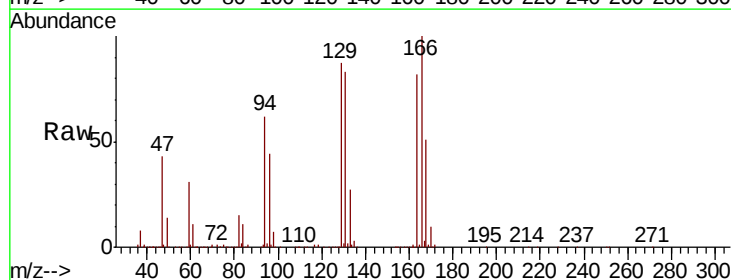
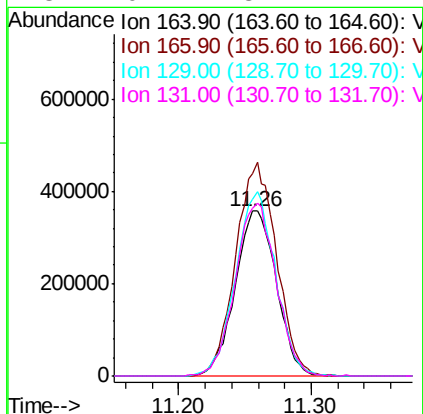
Instrument :
MSVOA_L
ClientSampled :

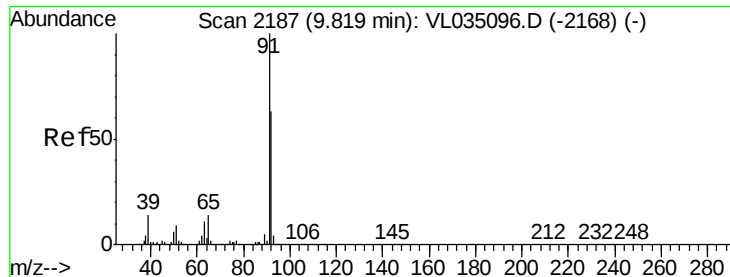
Tot Ion: 43 Resp: 1883716
Ion Ratio Lower Upper
43 100
58 49.4 39.2 58.8
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.979 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 164 Resp: 773558
Ion Ratio Lower Upper
164 100
166 122.4 107.5 161.3
129 106.6 84.9 127.3
131 101.1 81.1 121.7





#53

Toluene

Concen: 10.812 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

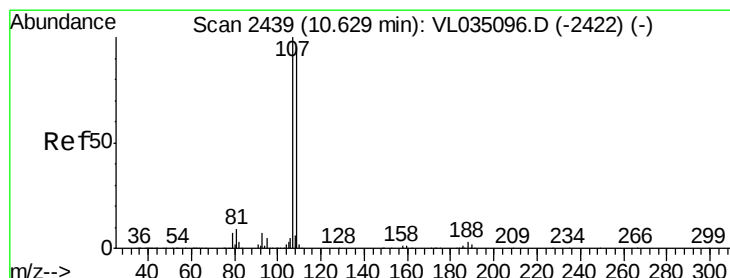
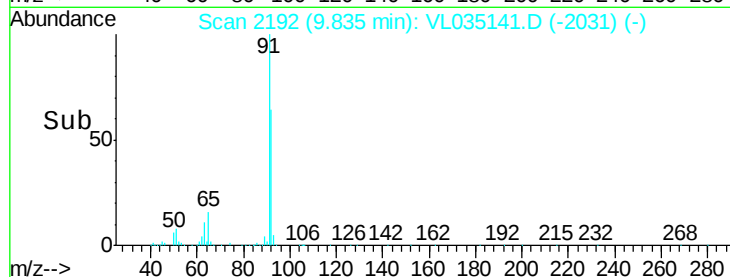
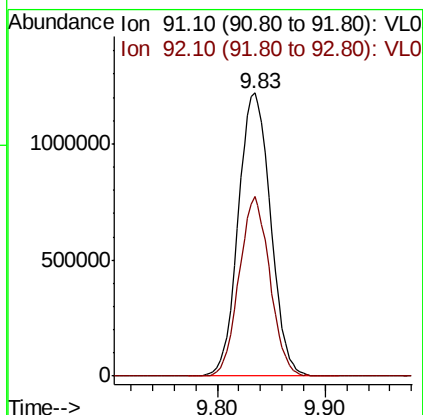
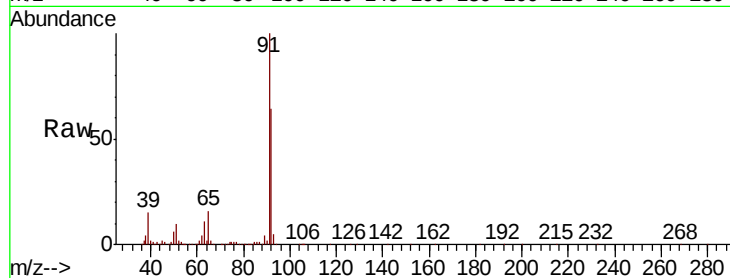
ClientSampleId :

Tot Ion: 91 Resp: 2537201

Ion Ratio Lower Upper

91 100

92 60.3 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.784 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.02 min

Lab File: VL035141.D

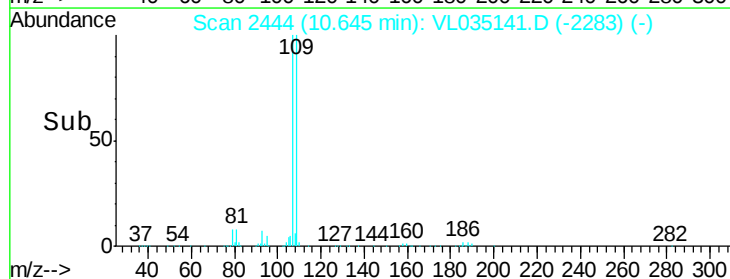
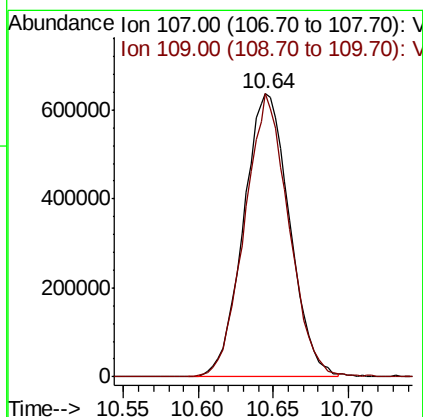
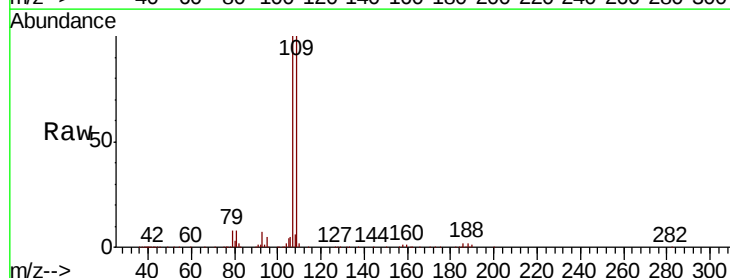
Acq: 1 Jul 2020 1:34

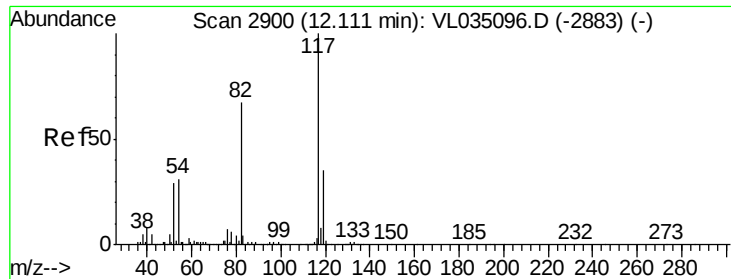
Tgt Ion: 107 Resp: 1360458

Ion Ratio Lower Upper

107 100

109 100.0 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

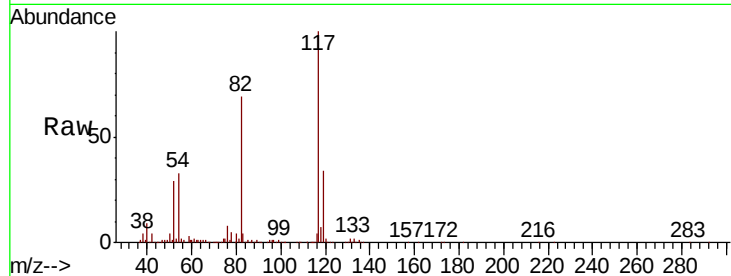
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 3381457

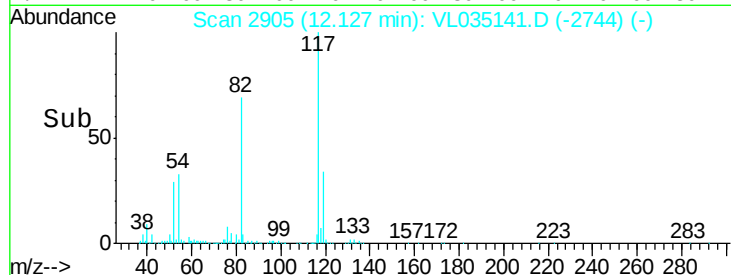
Ion	Ratio	Lower	Upper
117	100		
82	55.7	50.4	75.6
119	28.4	25.4	38.0



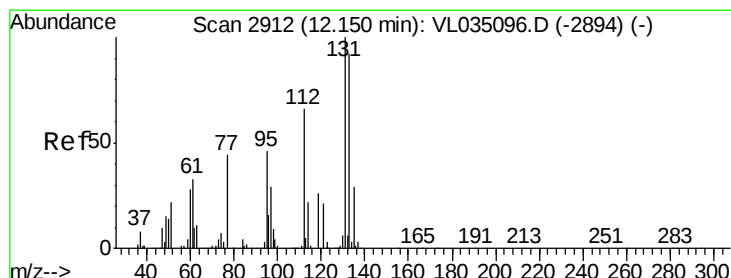
Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time--> 12.00 12.10 12.20



#56

1,1,1,2-Tetrachloroethane

Concen: 8.321 ppbv

RT: 12.16 min Scan# 2916

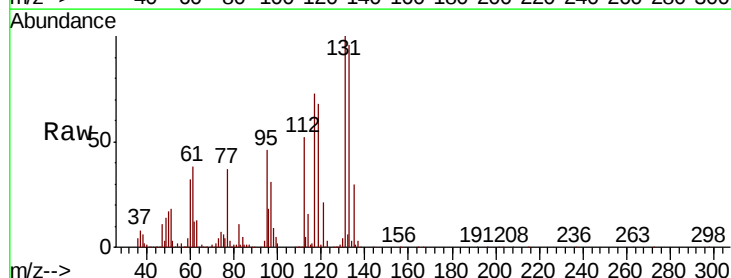
Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Tgt Ion:131 Resp: 1151555

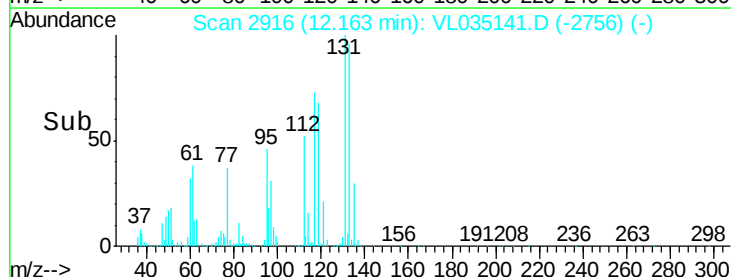
Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.2	114.4
119	60.5	114.6	172.0



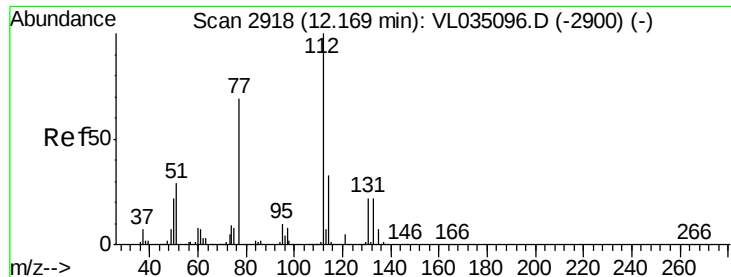
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



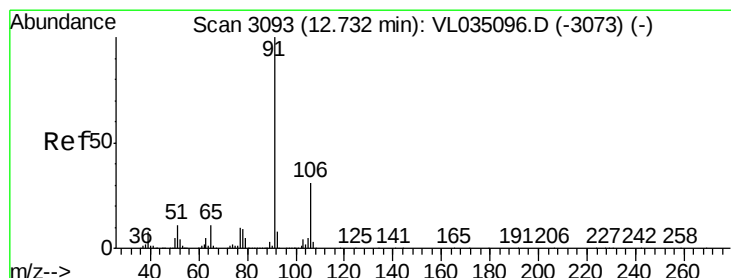
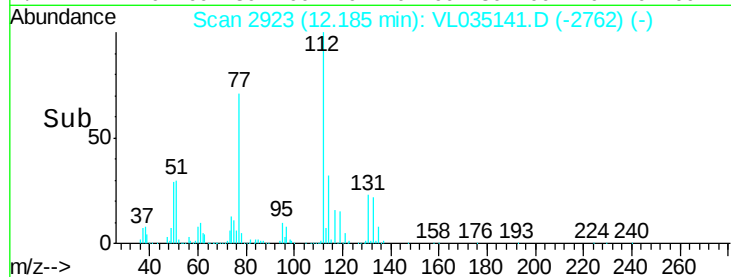
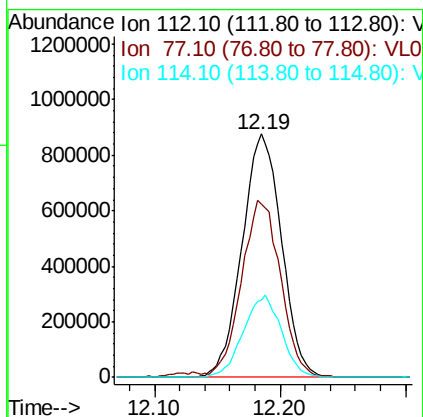
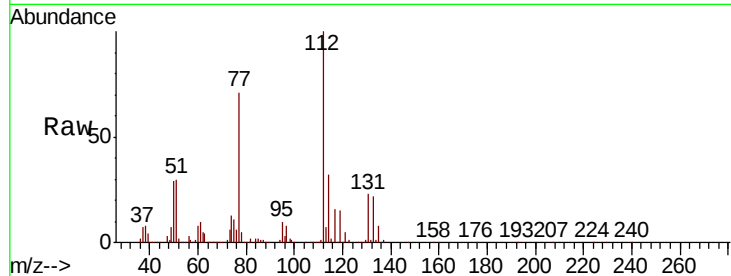
Time--> 12.10 12.20



#57
Chlorobenzene
Concen: 7.701 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

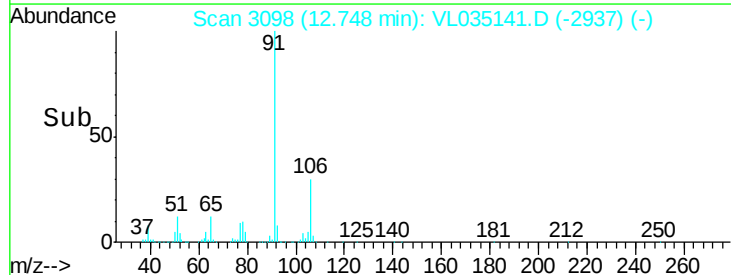
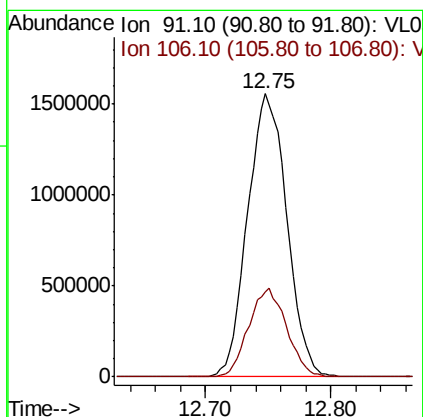
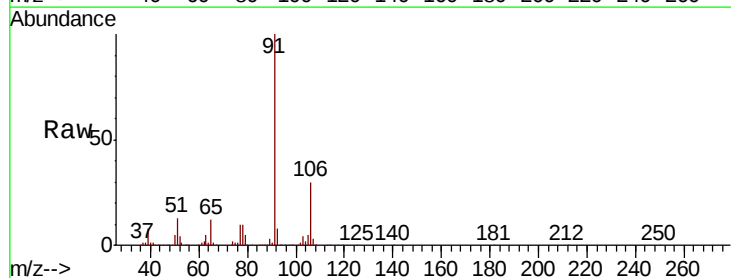
Instrument :
MSVOA_L
ClientSampled :

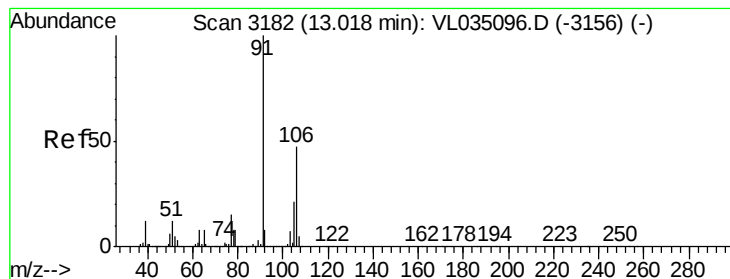
Tot Ion:112 Resp: 1916092
Ion Ratio Lower Upper
112 100
77 71.0 56.7 85.1
114 31.5 29.3 35.9



#58
Ethyl Benzene
Concen: 8.895 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 91 Resp: 3379316
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6





#59

m/p-Xylene

Concen: 8.429 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

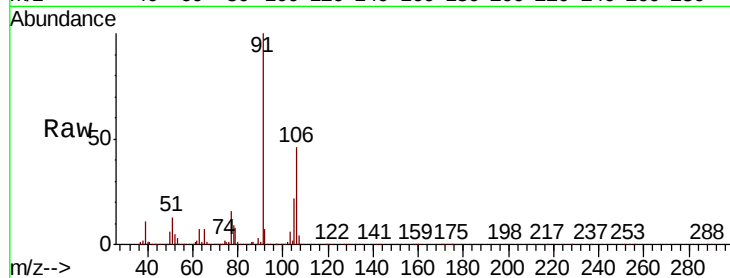
ClientSampleId :

Tot Ion: 91 Resp: 2838095

Ion Ratio Lower Upper

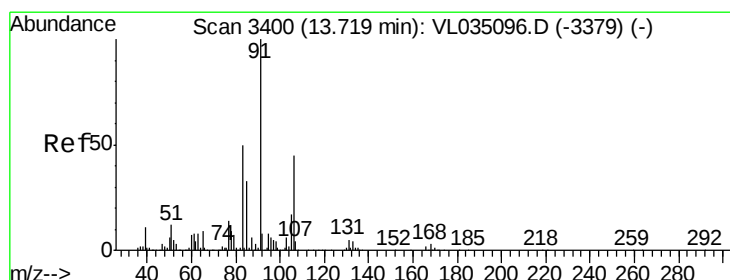
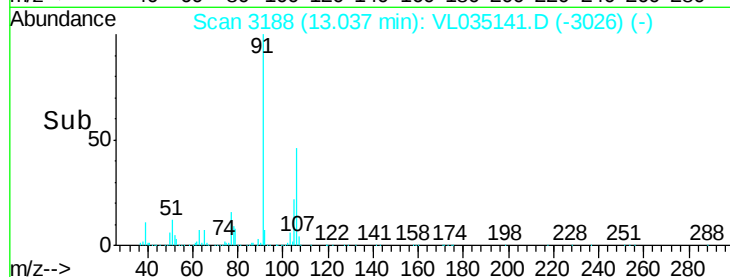
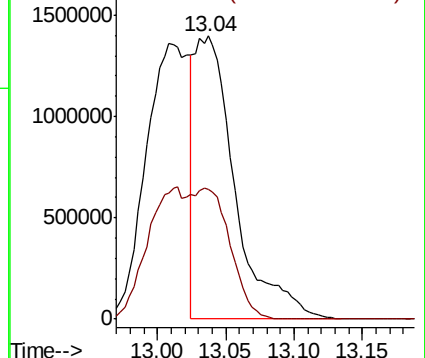
91 100

106 0.0 36.5 54.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.254 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.02 min

Lab File: VL035141.D

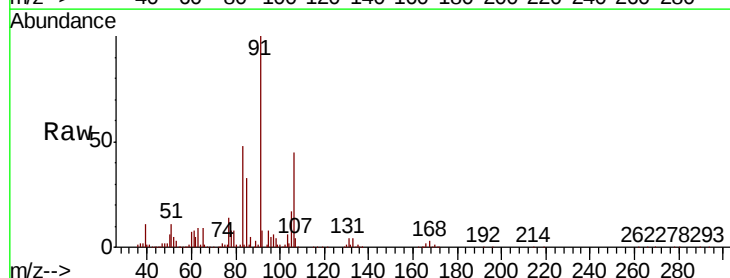
Acq: 1 Jul 2020 1:34

Tgt Ion: 91 Resp: 2766777

Ion Ratio Lower Upper

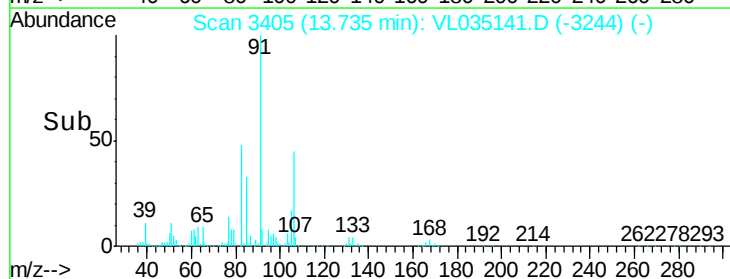
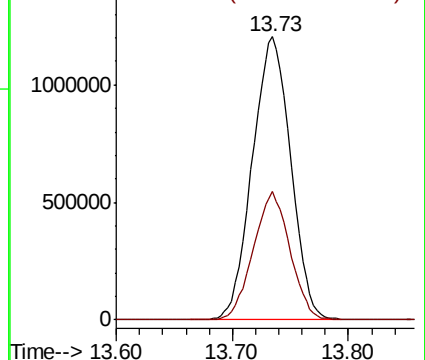
91 100

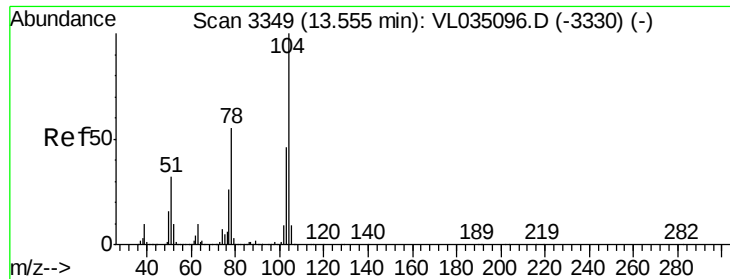
106 43.3 22.1 66.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

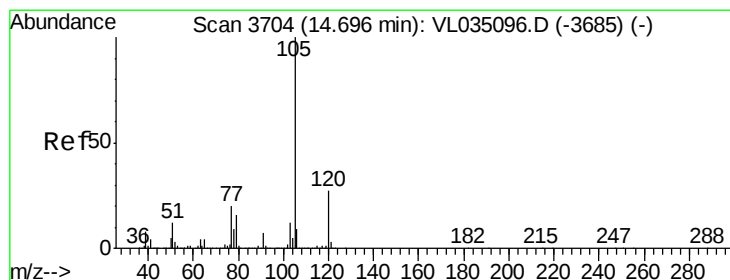
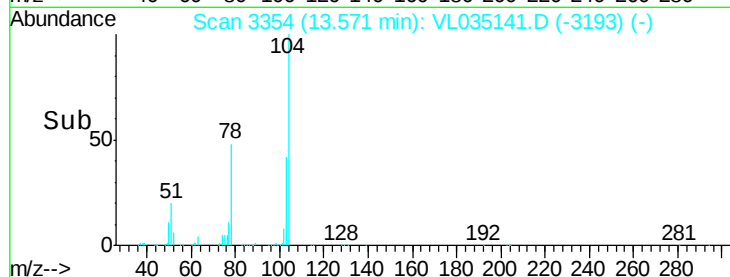
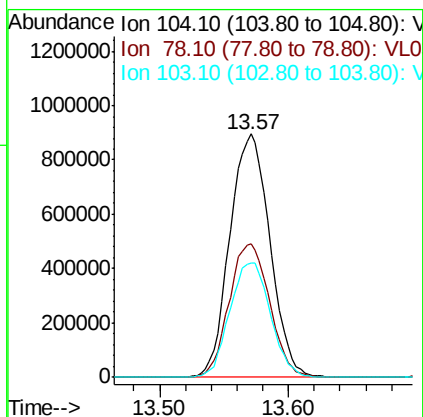
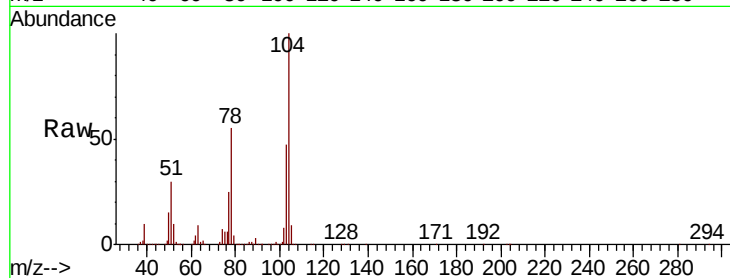




#61
Stvrene
Concen: 9.188 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

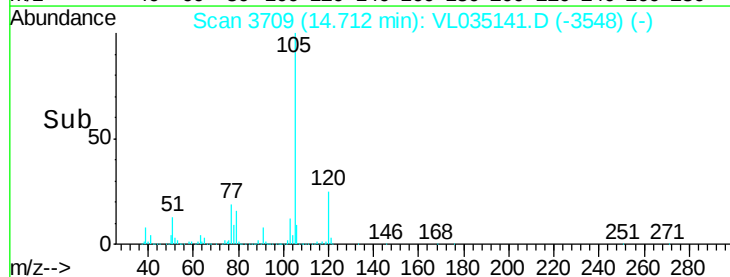
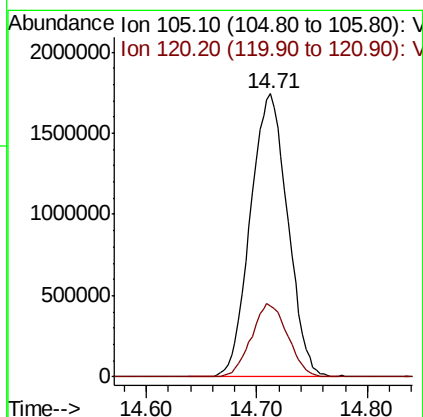
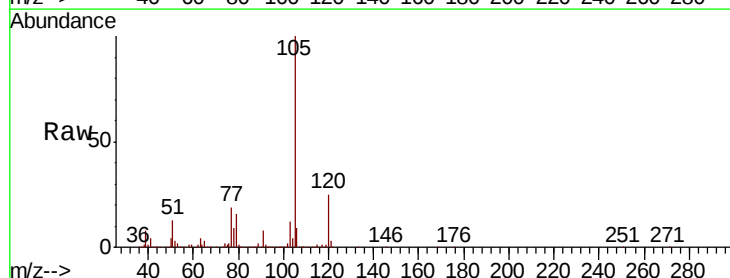
Instrument :
MSVOA_L
ClientSampled :

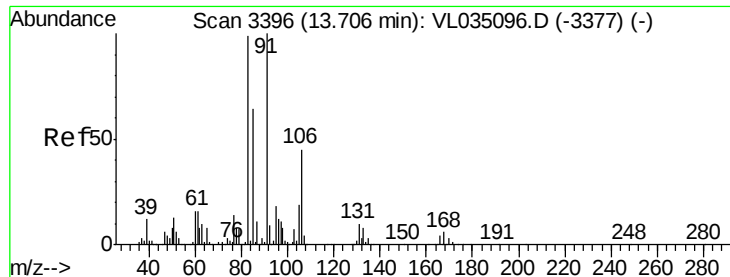
Tot Ion:104 Resp: 1938089
Ion Ratio Lower Upper
104 100
78 55.5 43.4 65.0
103 47.8 38.3 57.5



#62
Isopropylbenzene
Concen: 8.151 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion:105 Resp: 4077287
Ion Ratio Lower Upper
105 100
120 25.1 20.8 31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 7.038 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

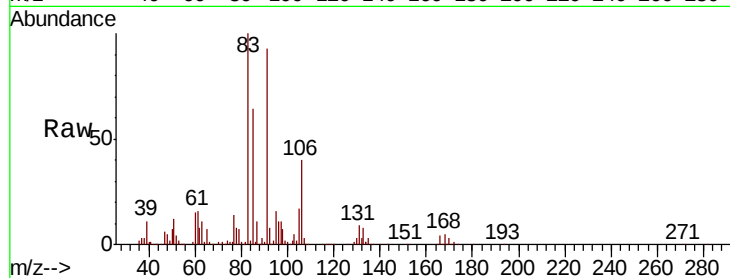
Tot Ion: 83 Resp: 1910814

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	65.3	32.4	97.0

83 100

131 9.4 4.7 14.0

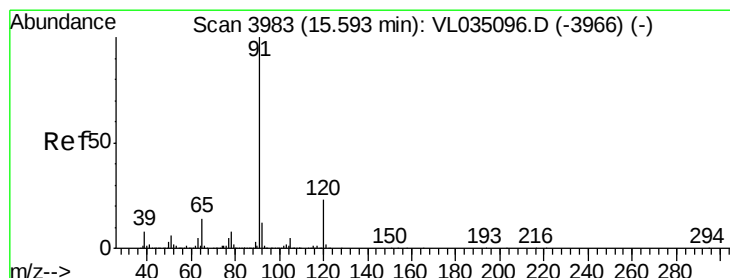
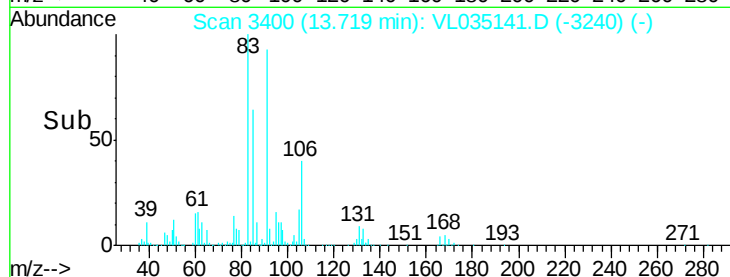
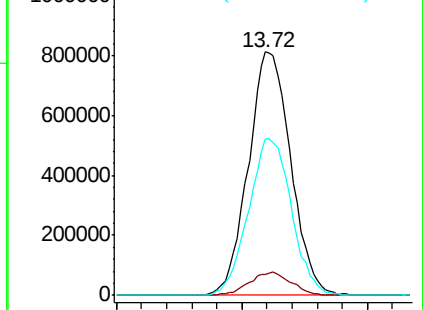
85 65.3 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.357 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VL035141.D

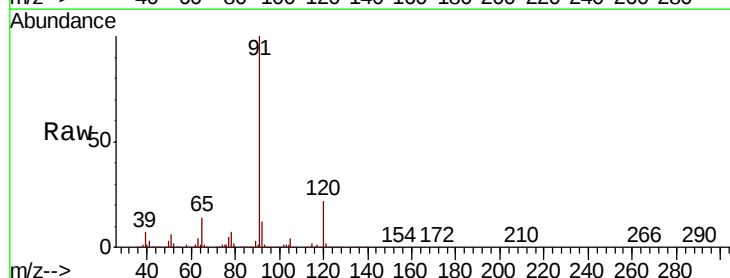
Acq: 1 Jul 2020 1:34

Tgt Ion:120 Resp: 1066749

Ion	Ratio	Lower	Upper
120	100		
91	466.6	367.9	551.9

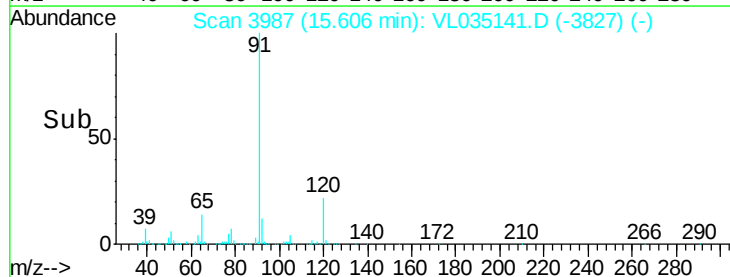
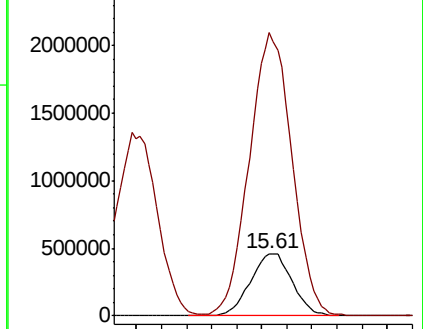
120 100

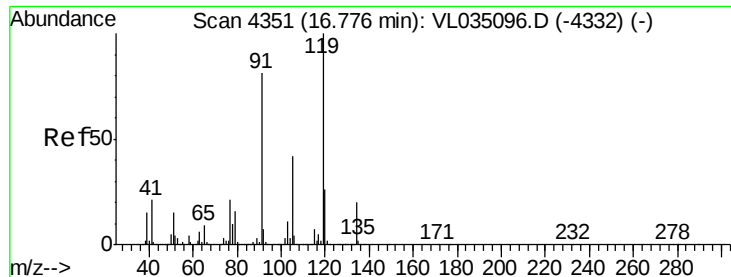
91 466.6 367.9 551.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

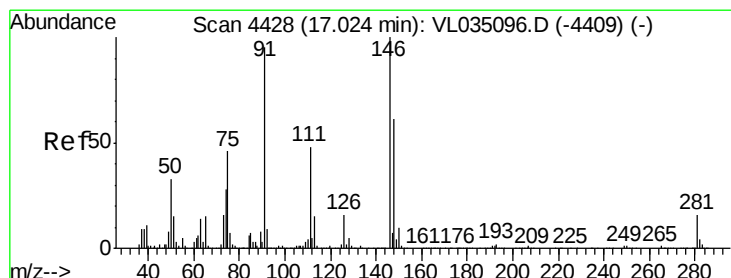
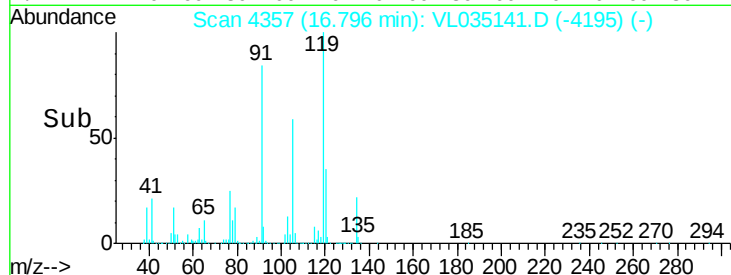
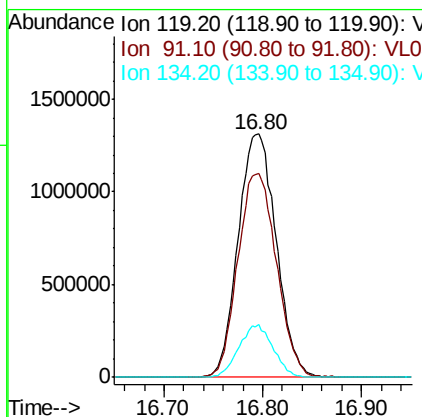
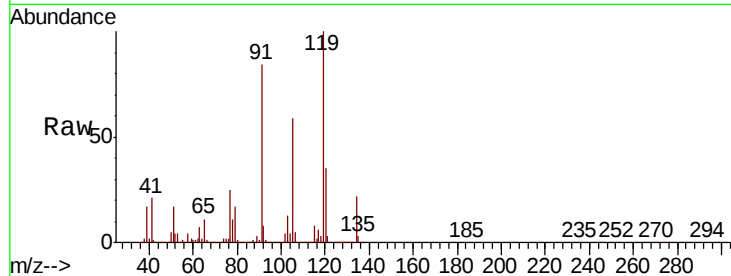




#65
 tert-Butylbenzene
 Concen: 8.173 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

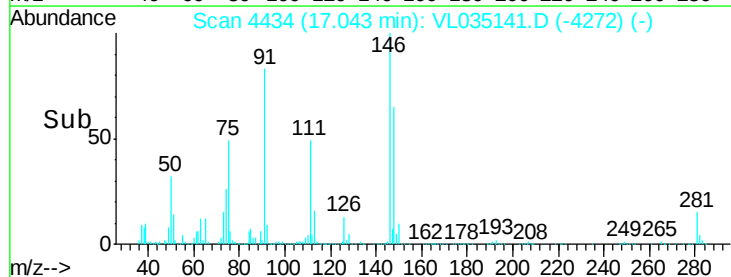
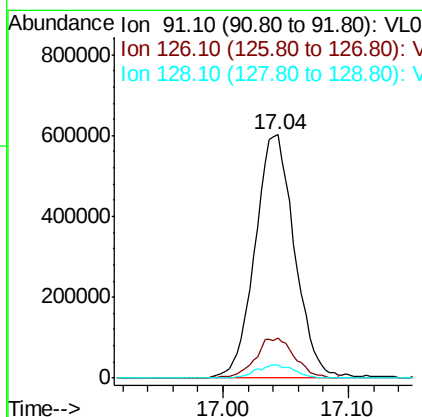
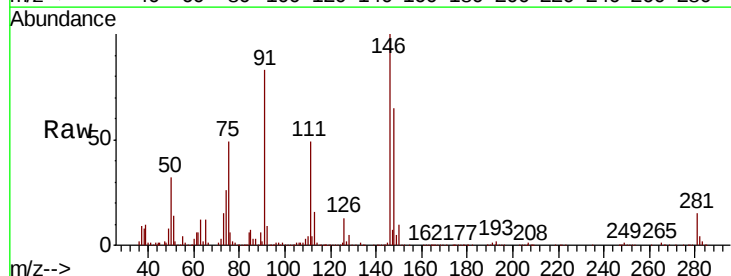
Instrument :
 MSVOA_L
 ClientSampleId :

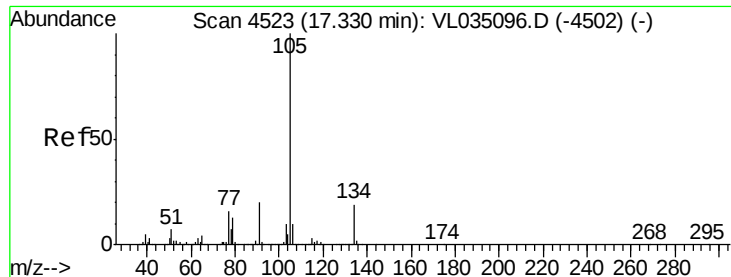
Tot Ion:119 Resp: 3500684
 Ion Ratio Lower Upper
 119 100
 91 85.5 67.6 101.4
 134 19.4 15.7 23.5



#66
 Benzyl Chloride
 Concen: 9.933 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 91 Resp: 1314276
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.5 20.3
 128 5.5 4.3 6.5

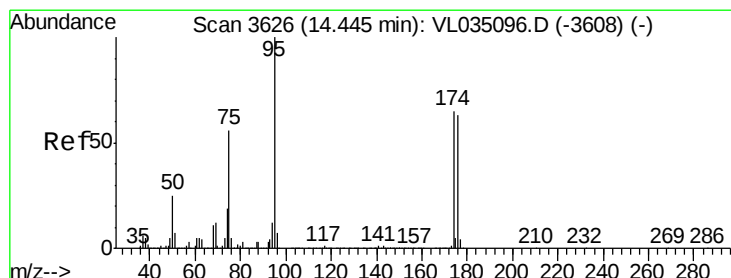
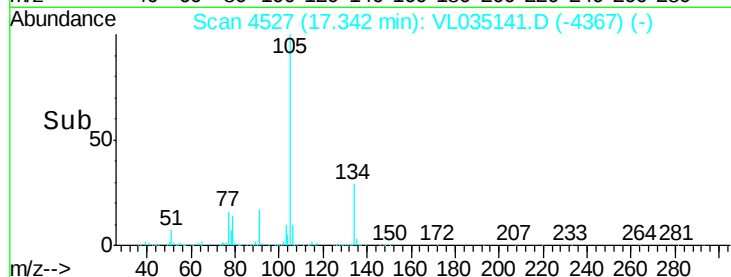
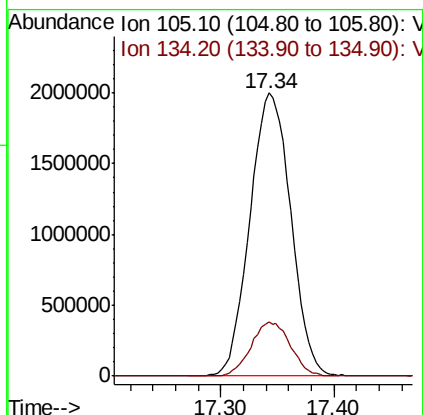
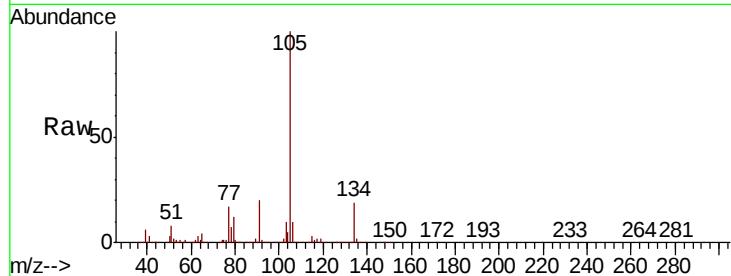




#67
 sec-Butylbenzene
 Concen: 8.166 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

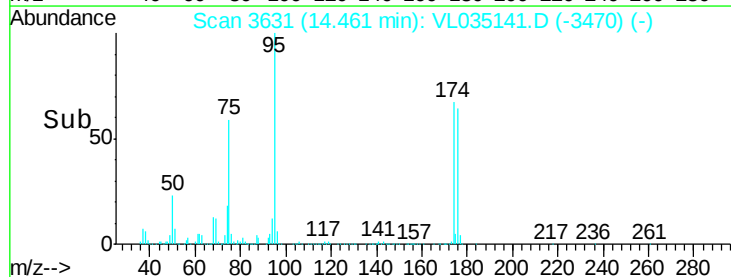
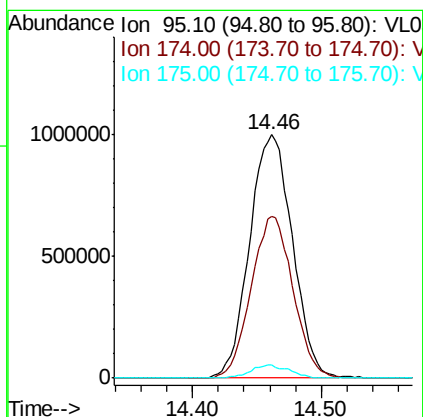
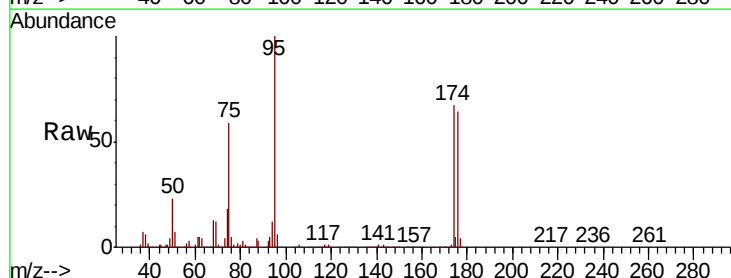
Instrument :
 MSVOA_L
 ClientSampled :

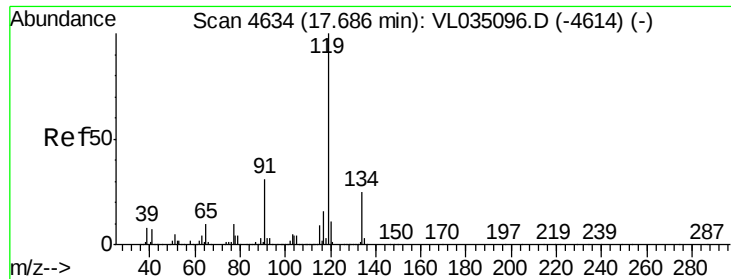
Tot Ion:105 Resp: 5013050
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.219 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 95 Resp: 2308564
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.2 78.2
 175 4.9 4.0 6.0

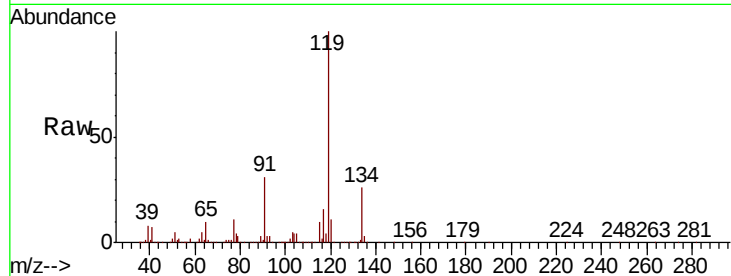




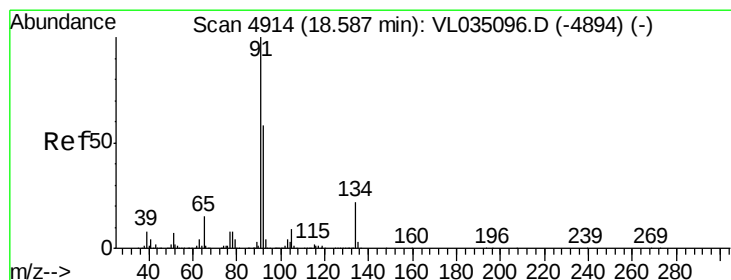
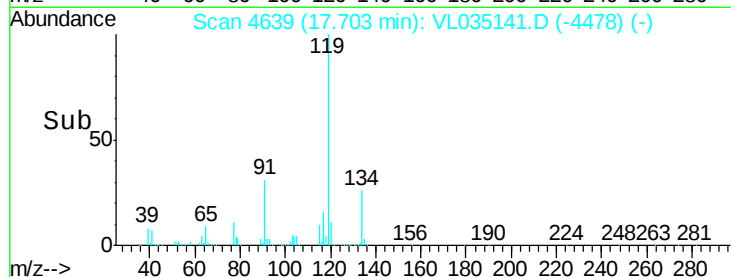
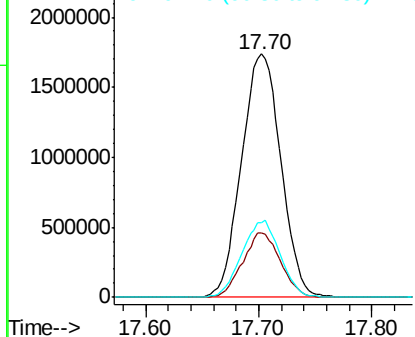
#69
 p-Isopropyltoluene
 Concen: 8.600 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 4211306
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.4 30.6
 91 30.7 24.5 36.7

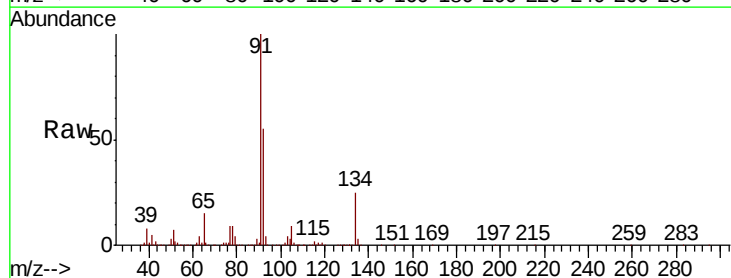


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

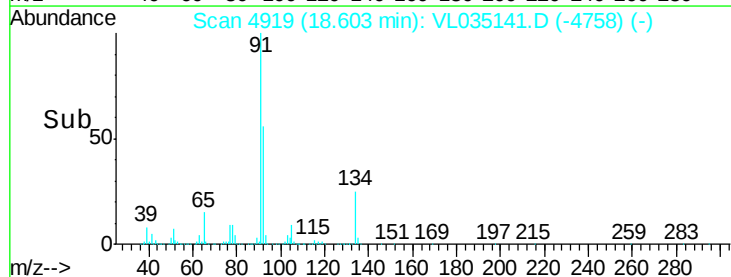
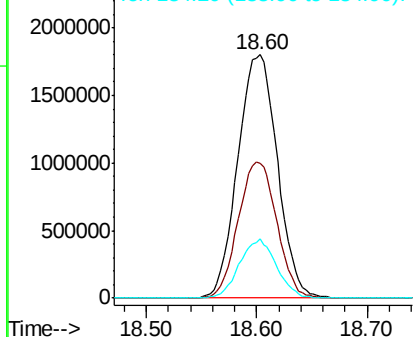


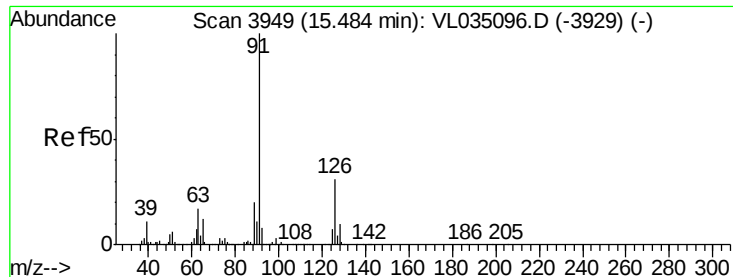
#70
 n-Butylbenzene
 Concen: 8.479 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 91 Resp: 4472623
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.4 66.6
 134 22.7 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: 8.233 ppbv

RT: 15.50 min Scan# 3953

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

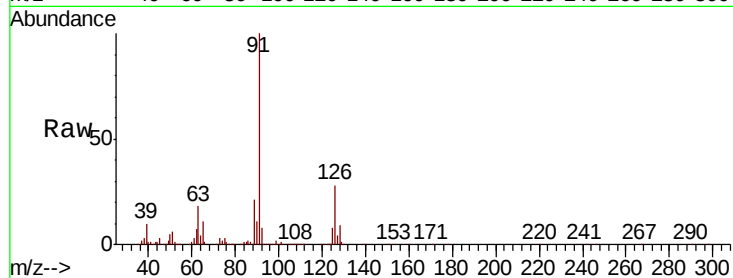
ClientSampleId :

Tot Ion: 91 Resp: 3113052

Ion Ratio Lower Upper

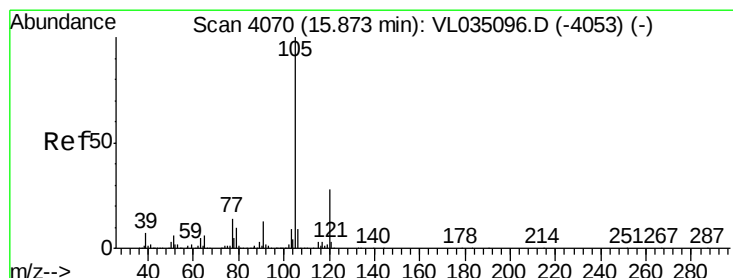
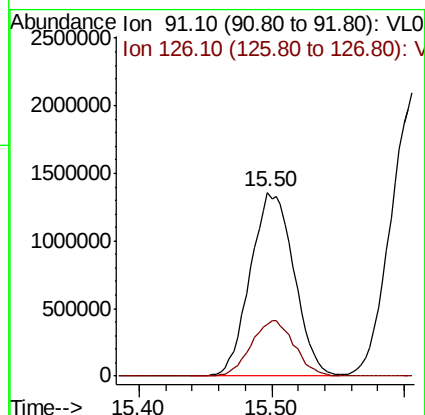
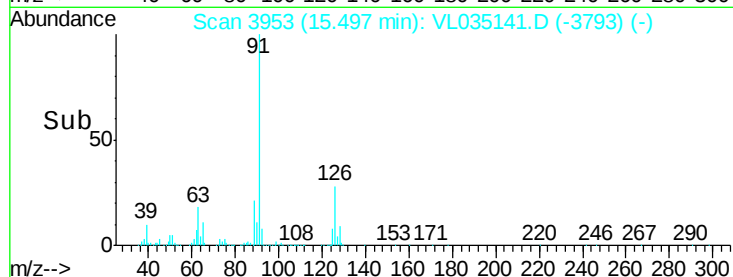
91 100

126 29.8 12.0 48.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.572 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Tgt Ion: 105 Resp: 3196586

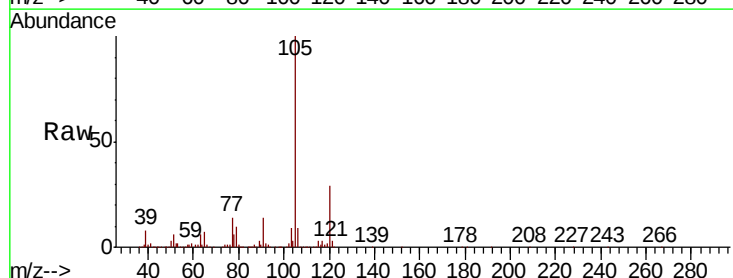
Ion Ratio Lower Upper

105 100

120 29.3 23.4 35.0

91 13.4 10.6 16.0

77 14.6 11.3 16.9

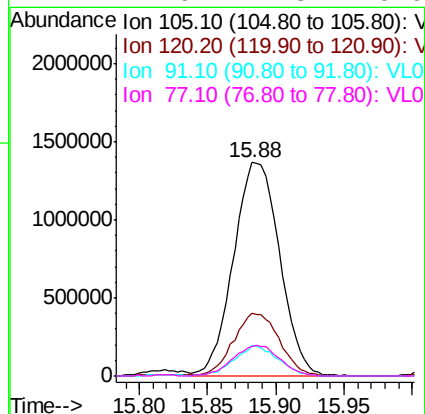
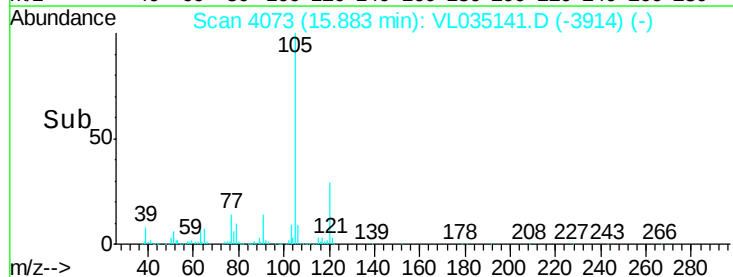


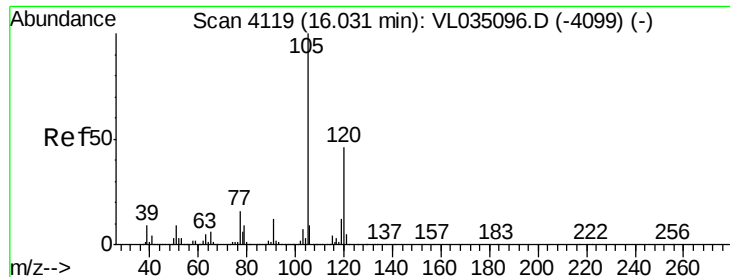
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

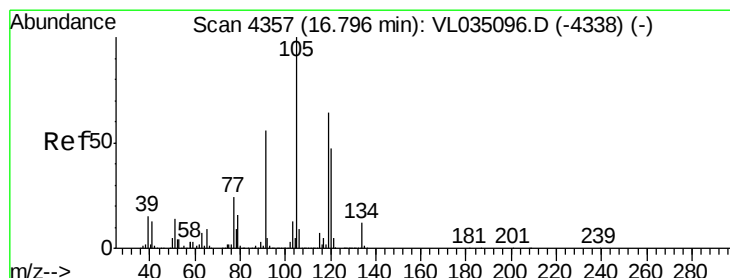
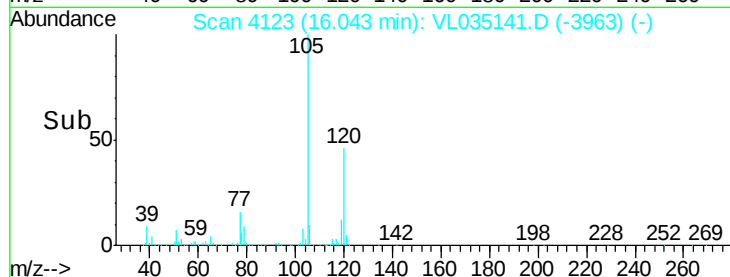
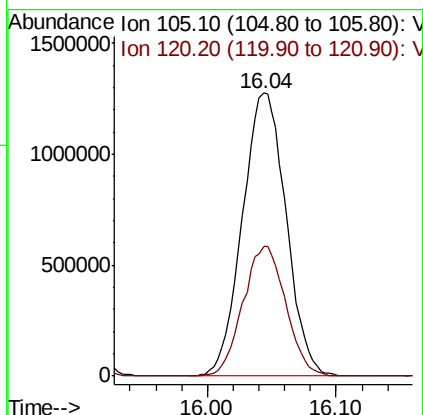
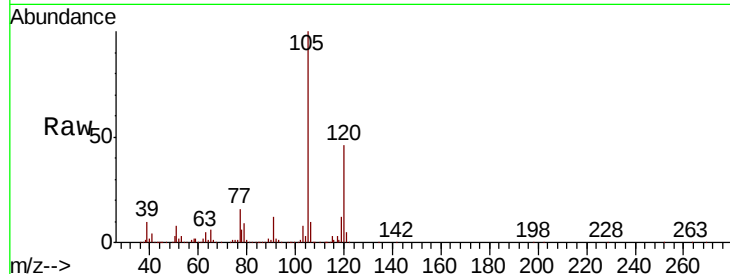




#73
 1,3,5-Trimethylbenzene
 Concen: 8.508 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

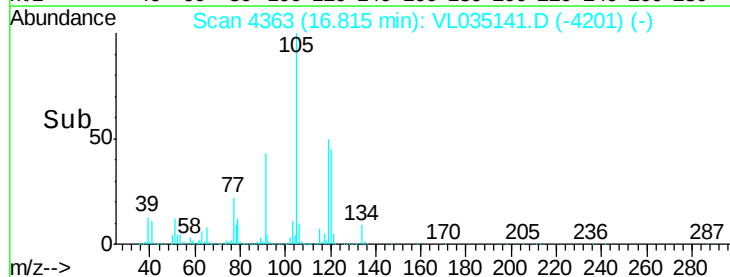
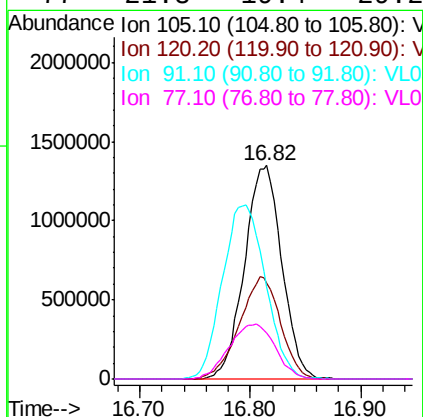
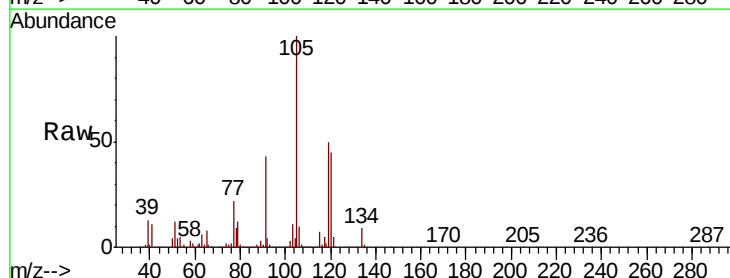
Instrument :
 MSVOA_L
 ClientSampled :

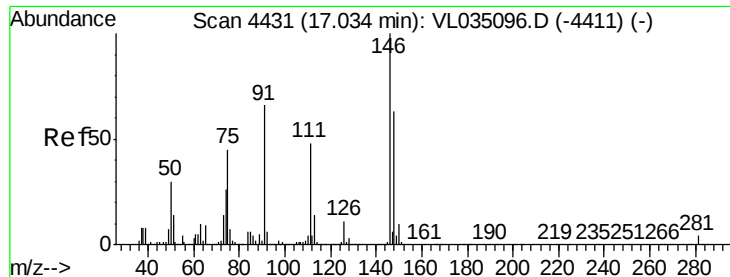
Tot Ion:105 Resp: 2999095
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.0 55.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.044 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion:105 Resp: 3164483
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.9 56.9
 91 42.8 46.0 69.0#
 77 21.8 19.4 29.2

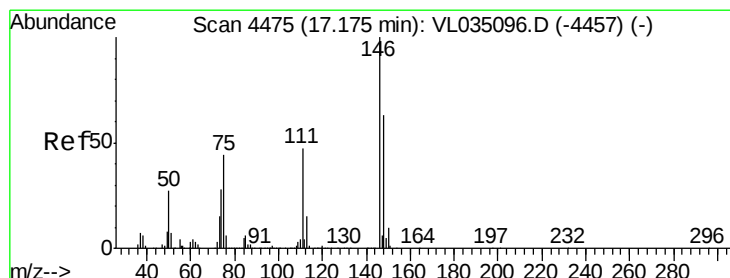
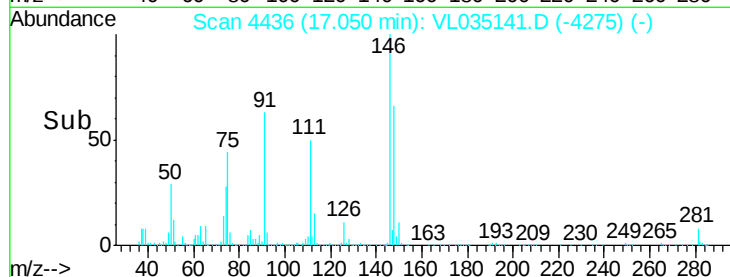
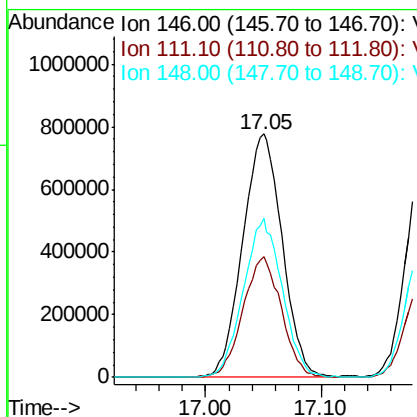
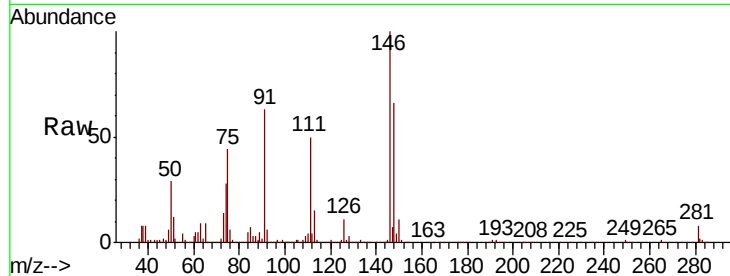




#75
 1,3-Dichlorobenzene
 Concen: 7.846 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

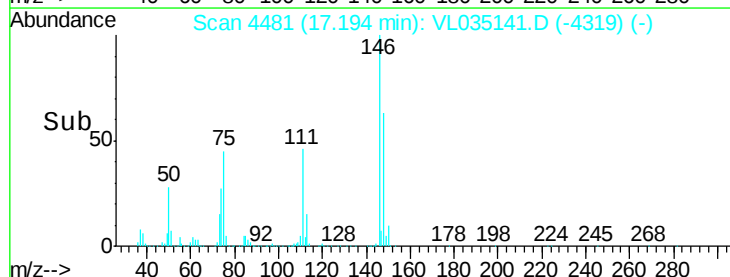
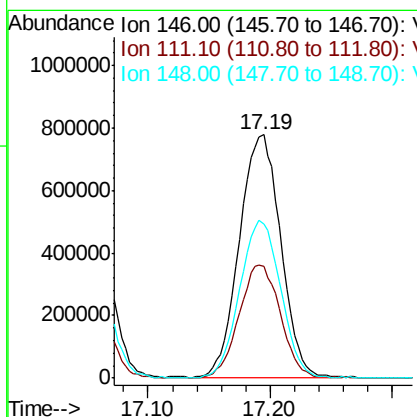
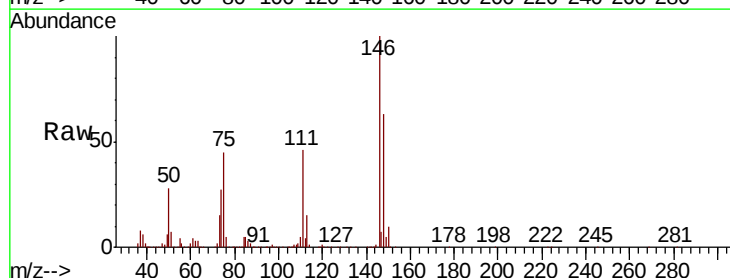
Instrument :
 MSVOA_L
 ClientSampleId :

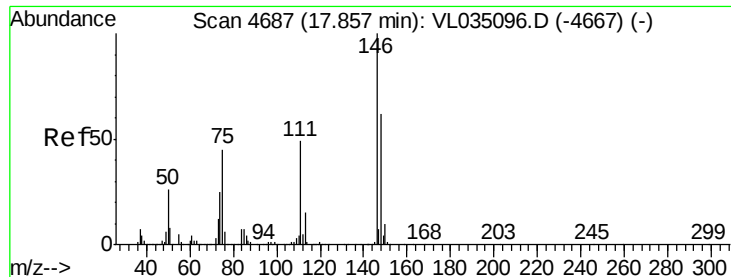
Tot Ion:146 Resp: 1842175
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.1 72.4
 148 64.1 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 8.068 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion:146 Resp: 1812104
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.5 70.5
 148 64.9 32.0 96.2

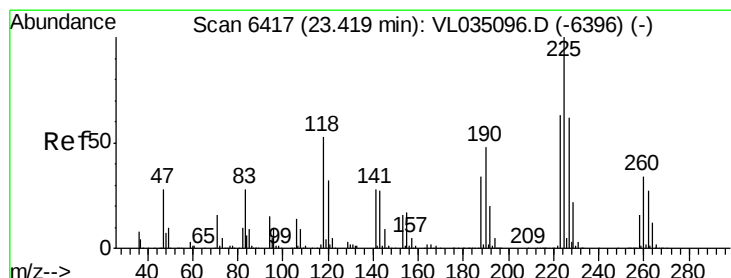
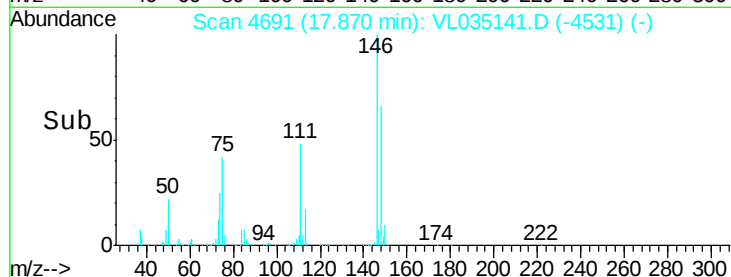
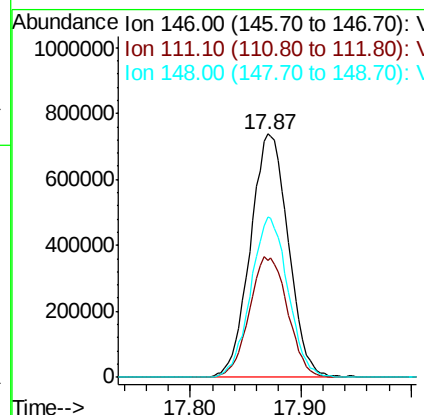
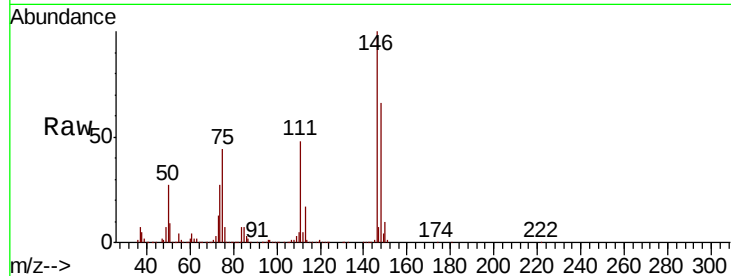




#77
 1,2-Dichlorobenzene
 Concen: 8.216 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

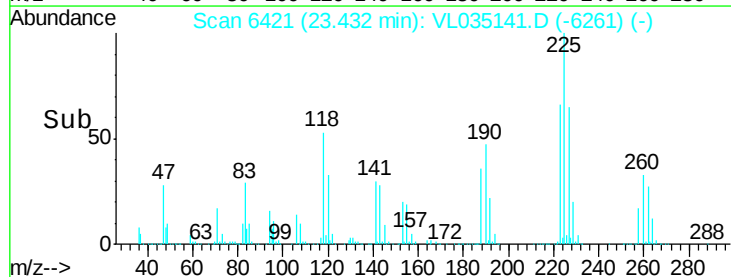
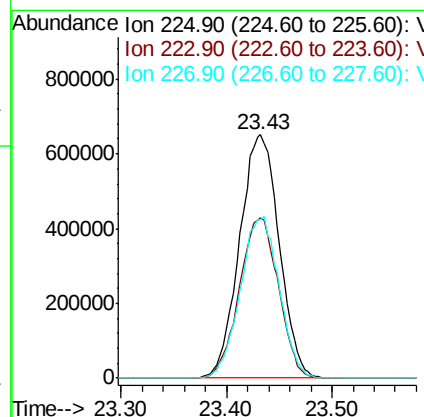
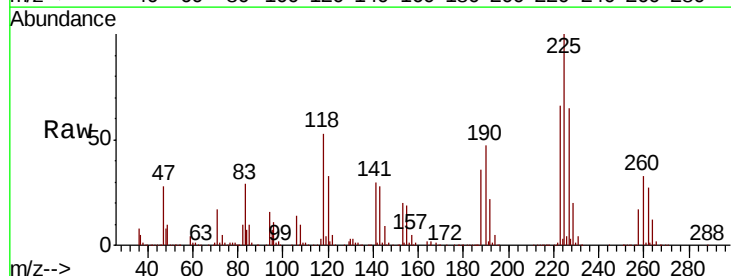
Instrument :
 MSVOA_L
 ClientSampled :

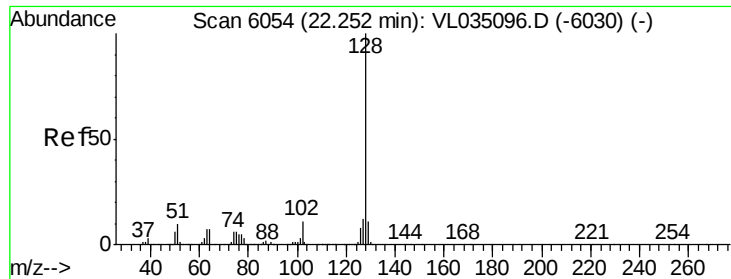
Tot Ion:146 Resp: 1764979
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.0 75.0
 148 64.7 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.808 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion:225 Resp: 1700865
 Ion Ratio Lower Upper
 225 100
 223 64.9 51.4 77.0
 227 64.9 51.8 77.8





#79

Naphthalene

Concen: 10.921 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

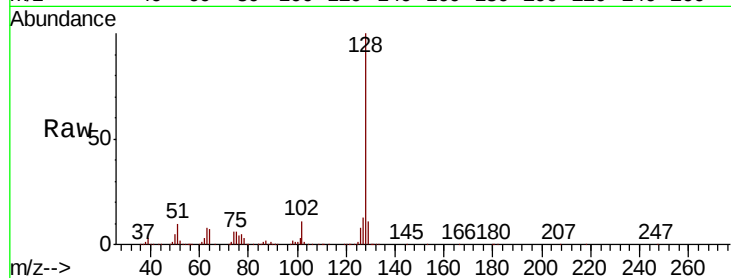
Tot Ion:128 Resp: 3766794

Ion Ratio Lower Upper

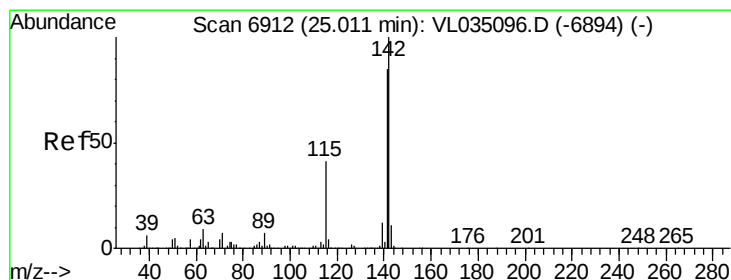
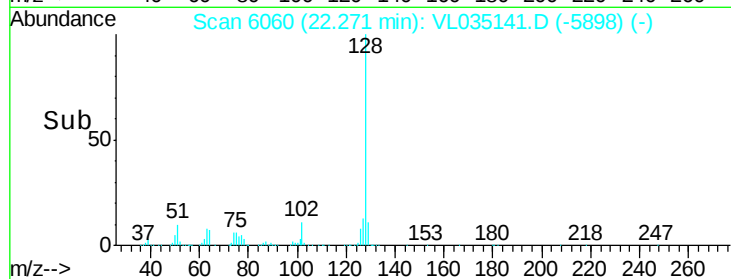
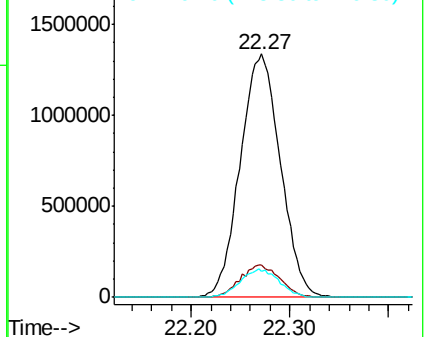
128 100

127 13.2 9.9 14.9

129 10.8 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.585 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

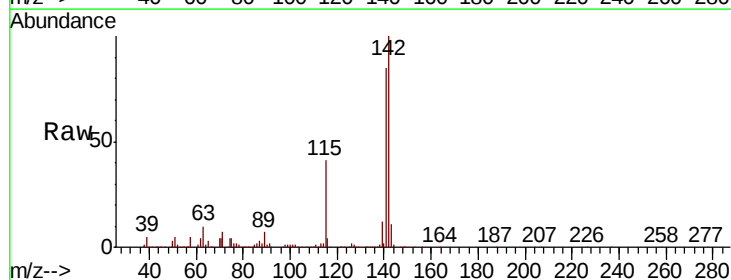
Tgt Ion:142 Resp: 1396006

Ion Ratio Lower Upper

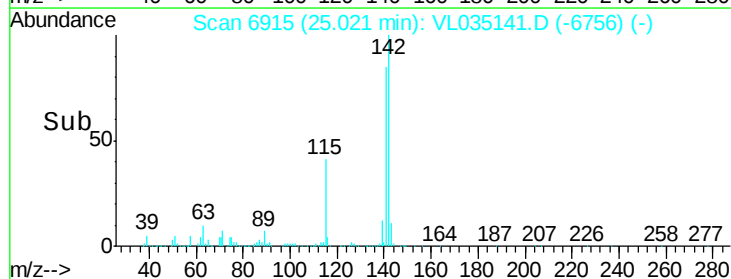
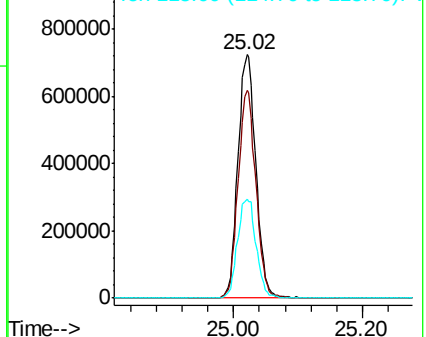
142 100

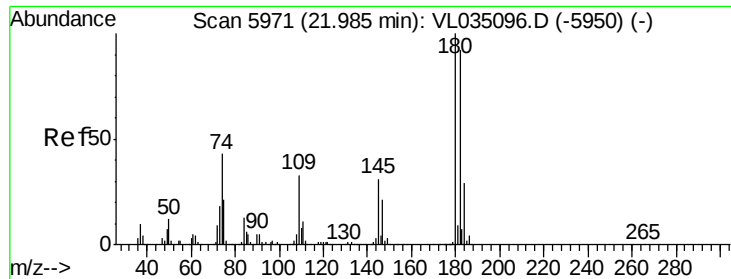
141 84.7 67.5 101.3

115 42.4 33.8 50.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

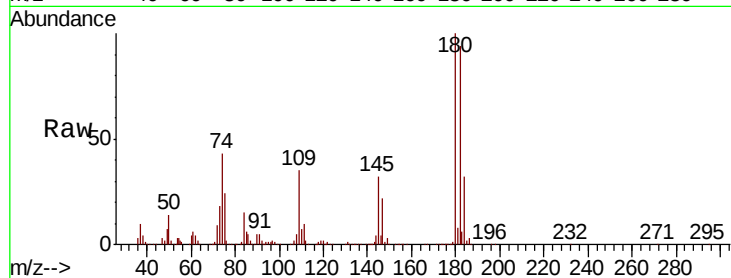




#81
 1,2,4-Trichlorobenzene
 Concen: 9.925 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1974856
 Ion Ratio Lower Upper
 180 100
 182 97.7 77.9 116.9
 184 31.5 24.6 37.0



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

