

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035132.D
 Acq On : 30 Jun 2020 19:36
 Operator : SY/AP
 Sample : L3124-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 03:01:05 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	5.67	49	1241791	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2895660	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.12	117	2720334	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2292397	10.14	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	43248	0.258 ppbv	92
3) Chlorodifluoromethane	2.92	51	136766	0.997 ppbv #	71
4) Chloromethane	3.10	50	37638	0.489 ppbv	100
7) Chloroethane	3.53	64	14408	0.522 ppbv #	86
9) Propene	2.97	41	1053287	19.390 ppbv	96
10) Heptane	8.14	43	16050	0.114 ppbv #	49
11) Trichlorofluoromethane	3.93	101	76936	0.429 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	116200	0.938 ppbv	98
13) Ethanol	3.59	45	1990891	97.019 ppbv	99
15) Acetone	3.82	43	5157454	34.352 ppbv #	67
16) 1,3-Butadiene	3.28	39	1204841	18.298 ppbv #	14
17) tert-Butyl alcohol	4.29	59	433119	3.255 ppbv	98
18) 1,1-Dichloroethene	4.27	96	52663	0.943 ppbv #	88
19) Isopropyl Alcohol	3.95	45	5857120	60.082 ppbv #	97
20) Methylene Chloride	4.33	84	860739	14.165 ppbv	96
21) Allyl Chloride	4.33	41	29162	0.327 ppbv #	20
22) trans-1,2-Dichloroethene	4.87	96	35803	0.685 ppbv #	77
23) Vinyl Acetate	5.16	43	563251	3.091 ppbv #	15
24) 1,1-Dichloroethane	5.00	63	1230851	8.011 ppbv	98
25) Ethyl Acetate	5.68	43	382276	1.411 ppbv #	80
26) Hexane	5.68	57	510833	4.182 ppbv #	40
27) Carbon Disulfide	4.53	76	8769	0.069 ppbv #	57
29) Chloroform	5.76	83	43994	0.230 ppbv	94
30) Cyclohexane	7.15	84	2704	0.031 ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	5910	0.052 ppbv #	72
32) 1,1,1-Trichloroethane	6.52	97	5988576	33.775 ppbv	97
34) 2-Butanone	5.23	43	10948890	65.842 ppbv #	83
35) Carbon Tetrachloride	7.03	117	6096	0.035 ppbv #	76
36) Benzene	6.91	78	32347	0.144 ppbv #	88
37) 1,2-Dichloroethane	6.52	62	463984	3.274 ppbv #	1
38) Trichloroethene	7.87	130	5278	0.061 ppbv	88
39) 1,2-Dichloropropane	7.19	63	760149	8.668 ppbv #	26
40) 1,4-Dioxane	7.85	88	1159	0.034 ppbv #	1
41) Tetrahydrofuran	6.05	42	474688	5.589 ppbv	96
44) 2,2,4-Trimethylpentane	7.88	57	150009	0.383 ppbv #	87
50) 4-Methyl-2-Pentanone	8.76	43	108138	0.458 ppbv	98
51) 2-Hexanone	10.16	43	1727353	9.336 ppbv #	99
53) Toluene	9.83	91	172814	0.723 ppbv	98
58) Ethyl Benzene	12.75	91	17436	0.057 ppbv	92
59) m/p-Xylene	13.03	91	9822	0.036 ppbv #	31
60) o-Xylene	13.73	91	23223	0.086 ppbv	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
Data File : VL035132.D
Acq On : 30 Jun 2020 19:36
Operator : SY/AP
Sample : L3124-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 01 03:01:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

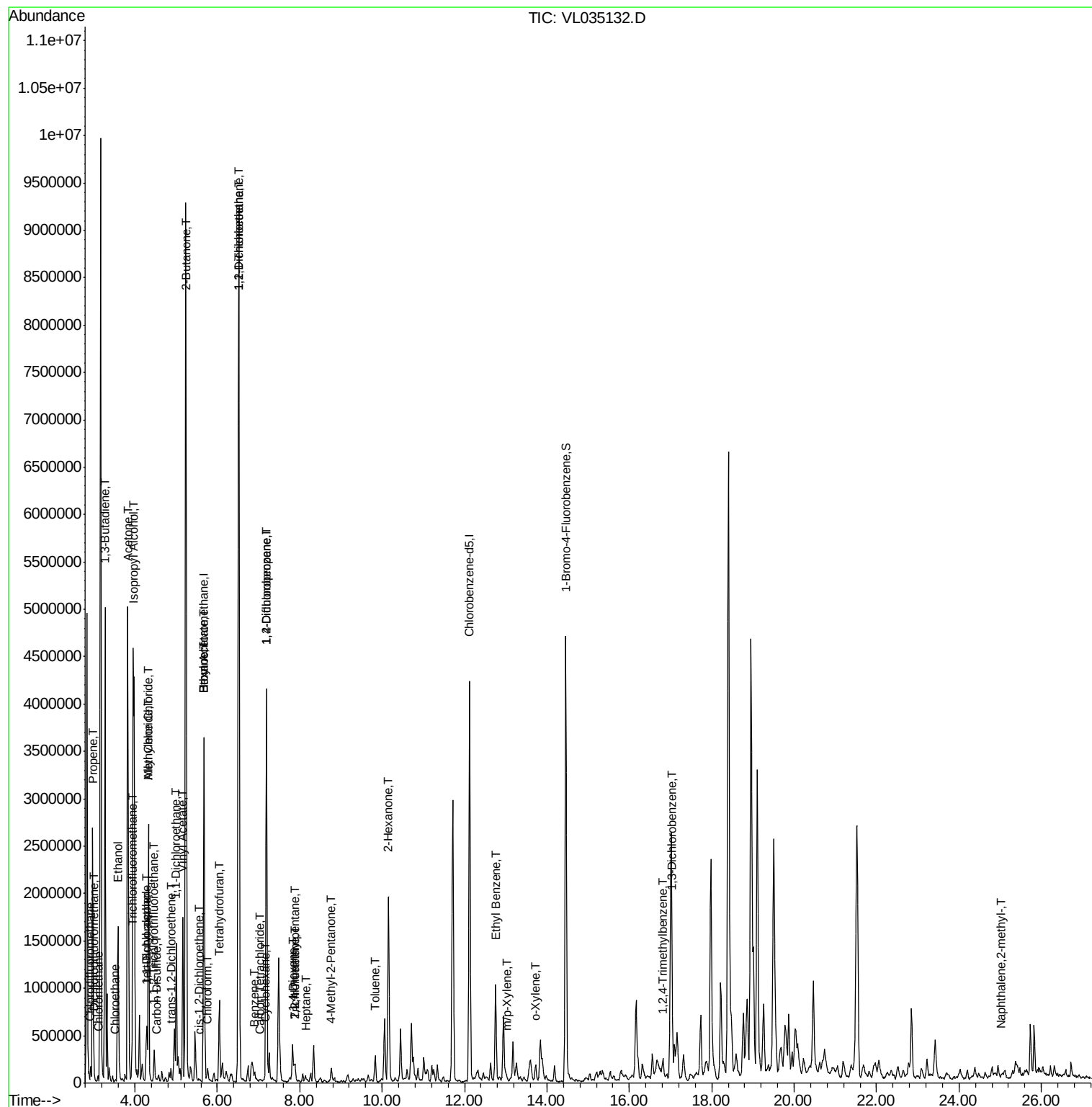
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.82	105	24800	0.078	ppbv #	60
75) 1,3-Dichlorobenzene	17.04	146	71510	0.379	ppbv #	74
80) Naphthalene,2-methyl-	25.02	142	7541	0.071	ppbv #	82

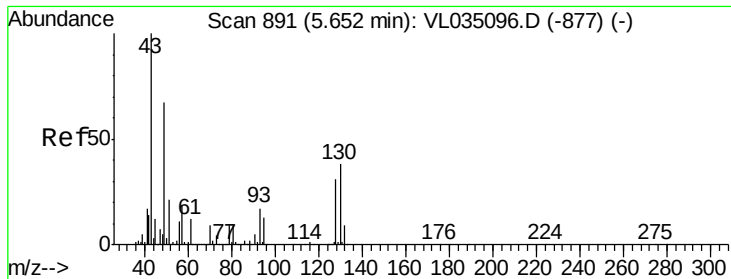
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
Data File : VL035132.D
Acq On : 30 Jun 2020 19:36
Operator : SY/AP
Sample : L3124-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 01 03:01:05 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :

MSVOA_L

ClientSampleId :

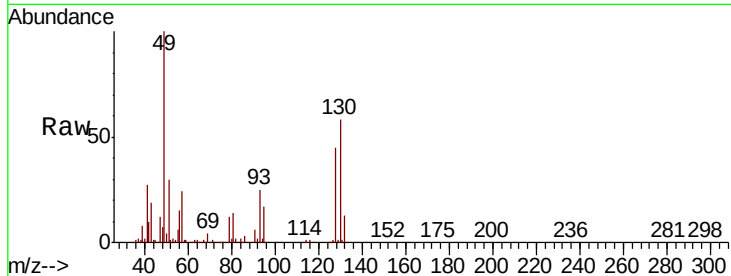
Tot Ion: 49 Resp: 1241791

Ion Ratio Lower Upper

49 100

128 45.7 22.9 68.5

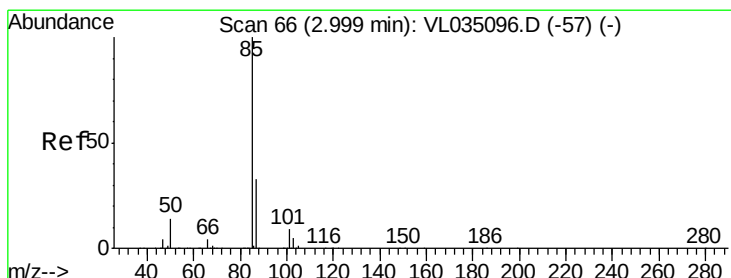
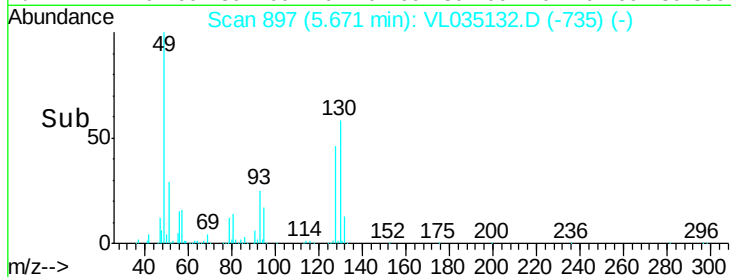
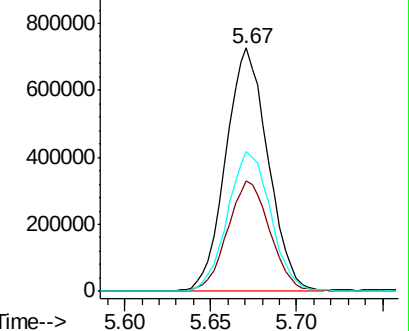
130 58.6 29.0 87.0



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



#2

Dichlorodifluoromethane

Concen: 0.258 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035132.D

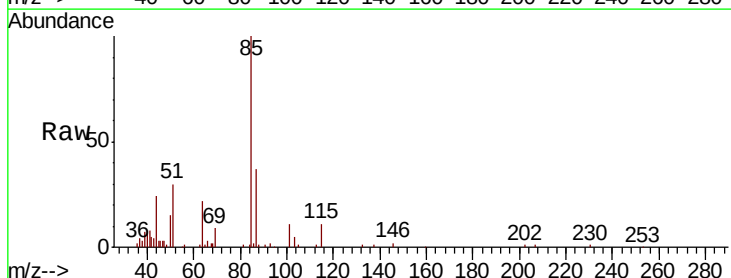
Acq: 30 Jun 2020 19:36

Tgt Ion: 85 Resp: 43248

Ion Ratio Lower Upper

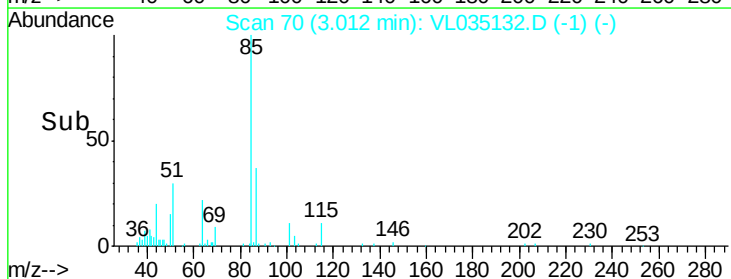
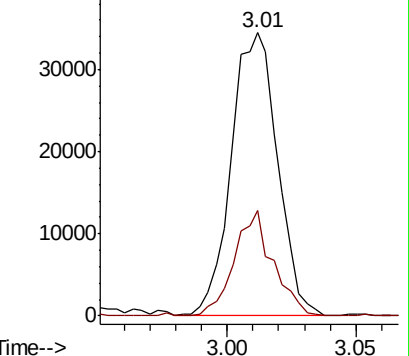
85 100

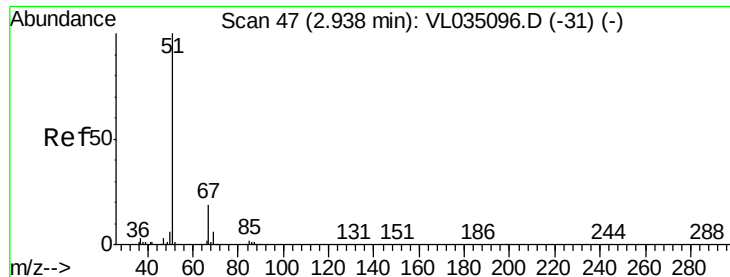
87 37.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.997 ppbv

RT: 2.92 min Scan# 42

Delta R.T. -0.02 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :

MSVOA_L

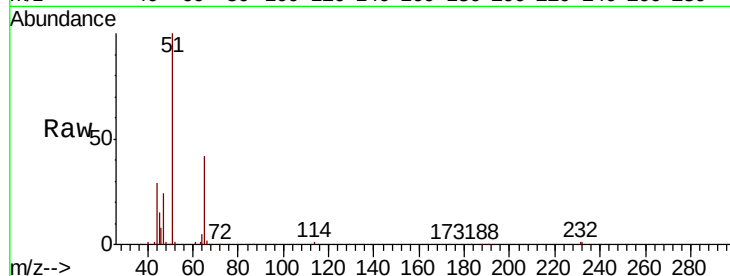
ClientSampleId :

Tot Ion: 51 Resp: 136766

Ion Ratio Lower Upper

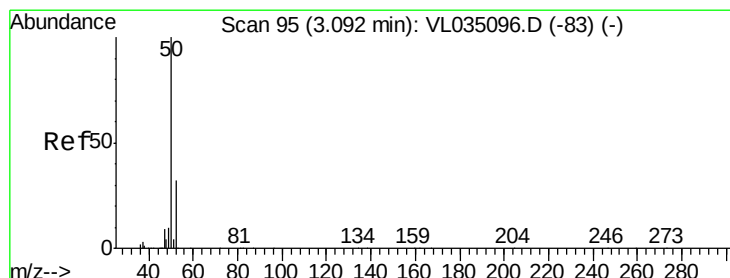
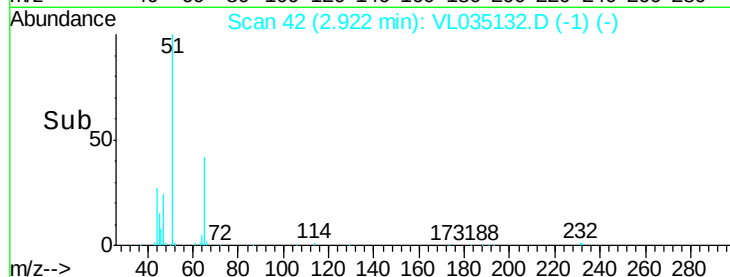
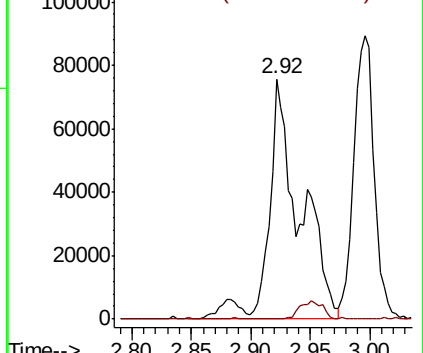
51 100

67 5.7 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: 0.489 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.01 min

Lab File: VL035132.D

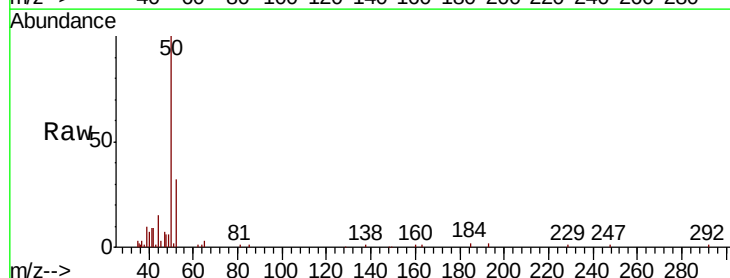
Acq: 30 Jun 2020 19:36

Tgt Ion: 50 Resp: 37638

Ion Ratio Lower Upper

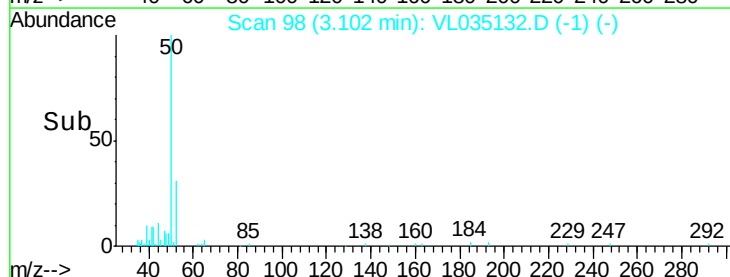
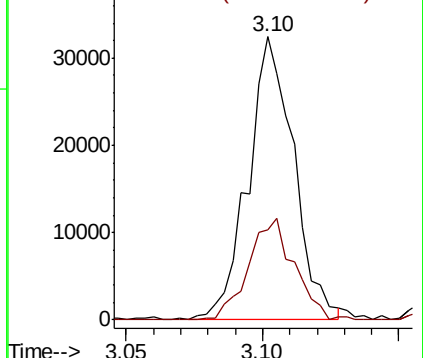
50 100

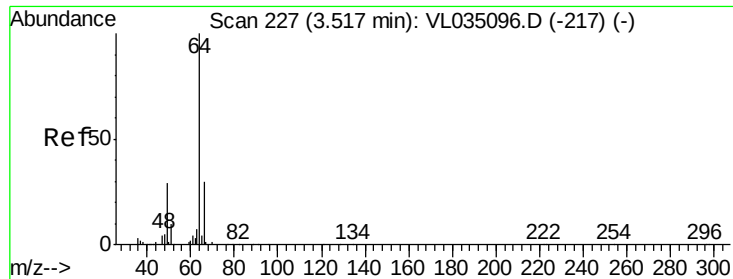
52 32.0 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.522 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :

MSVOA_L

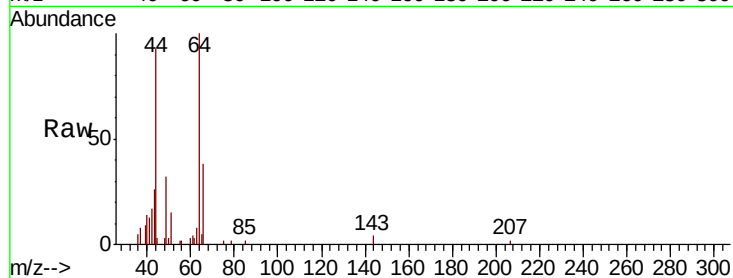
ClientSampled :

Tot Ion: 64 Resp: 14408

Ion Ratio Lower Upper

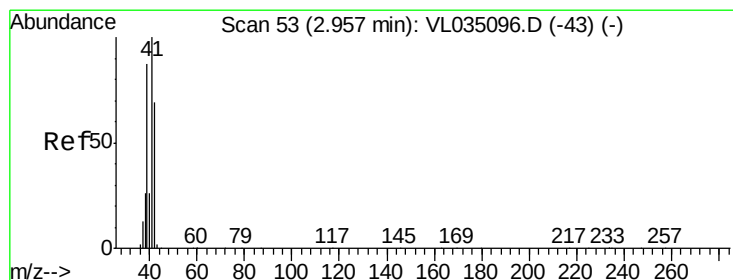
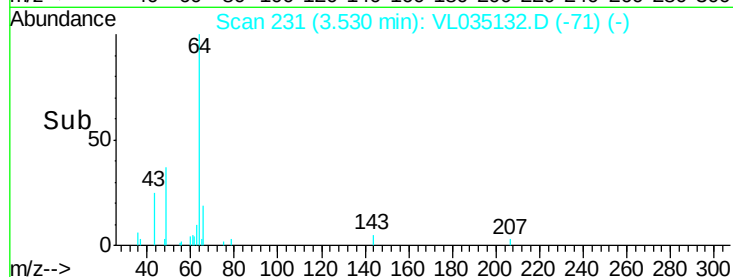
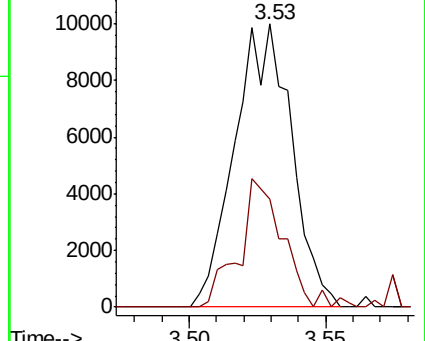
64 100

66 38.1 24.2 36.4#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 19.390 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035132.D

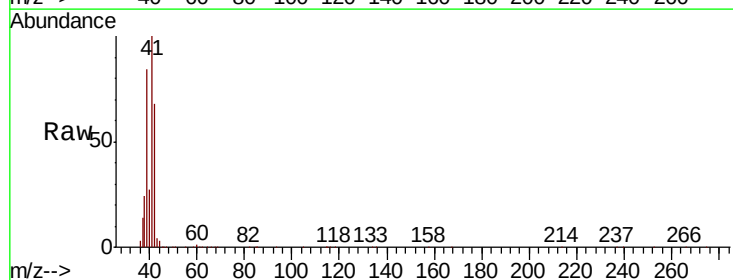
Acq: 30 Jun 2020 19:36

Tgt Ion: 41 Resp: 1053287

Ion Ratio Lower Upper

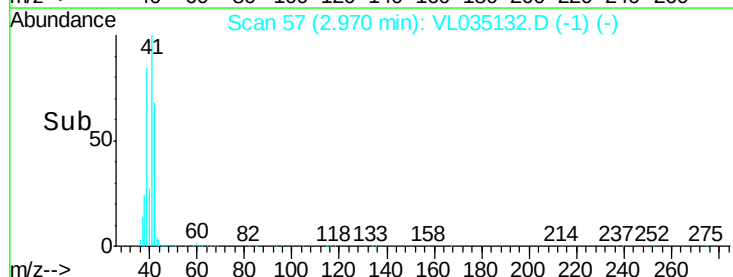
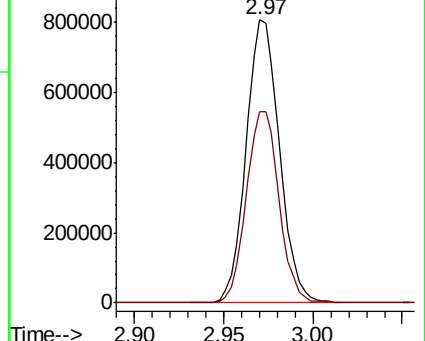
41 100

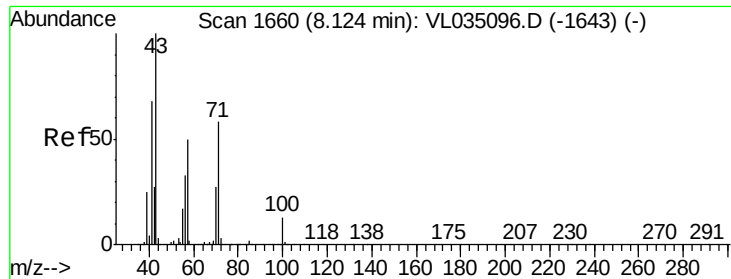
42 66.4 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

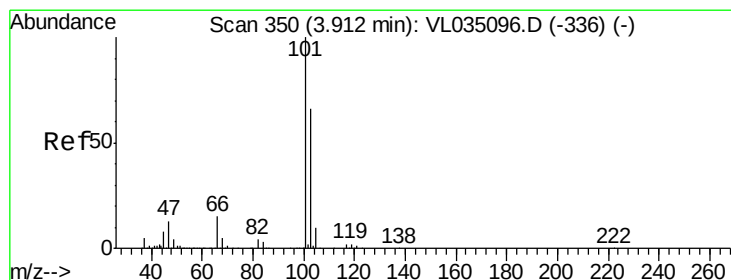
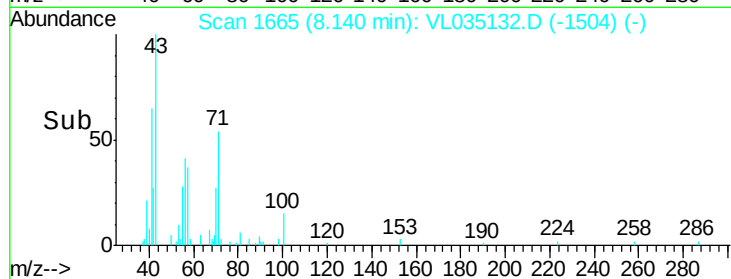
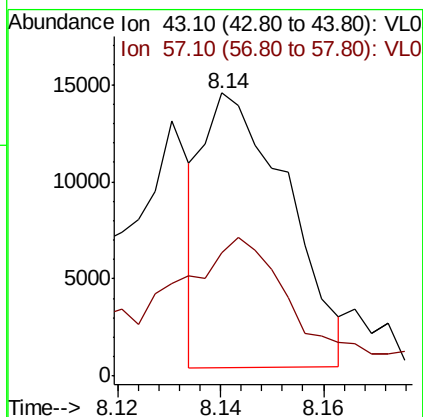
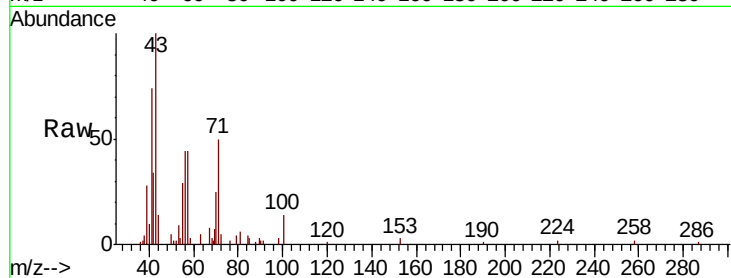




#10
 Heptane
 Concen: 0.114 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.02 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

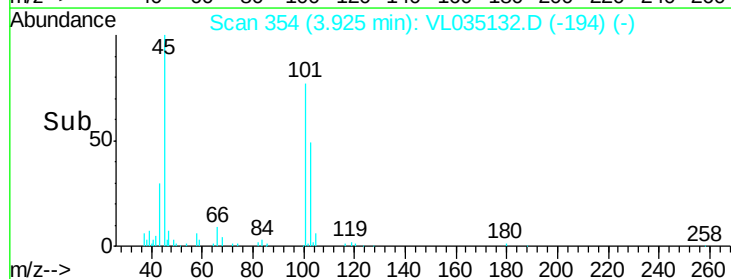
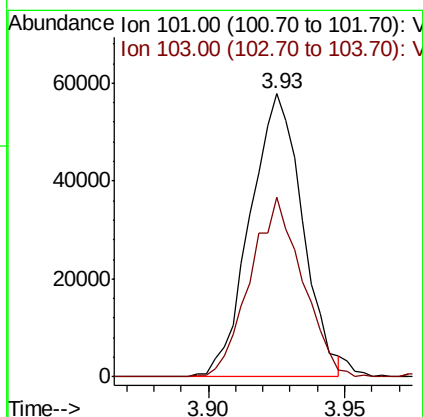
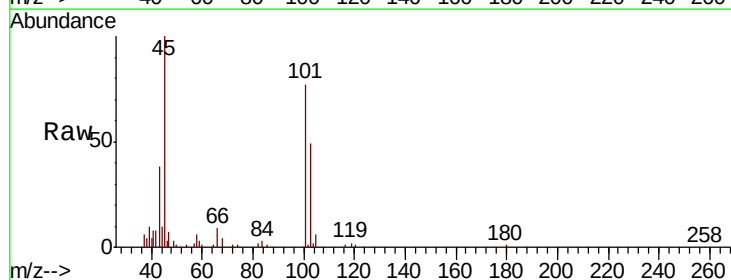
Instrument :
 MSVOA_L
 ClientSampled :

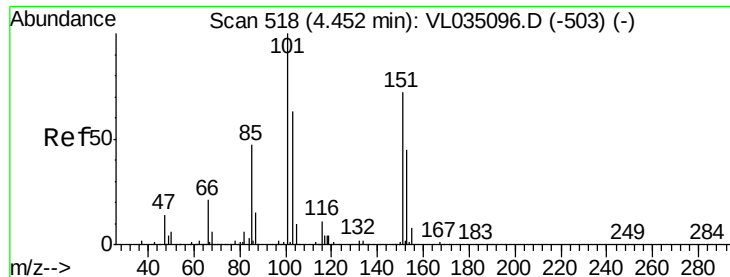
Tot Ion: 43 Resp: 16050
 Ion Ratio Lower Upper
 43 100
 57 88.6 41.9 62.9#



#11
 Trichlorofluoromethane
 Concen: 0.429 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Tgt Ion: 101 Resp: 76936
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.938 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.02 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :

MSVOA_L

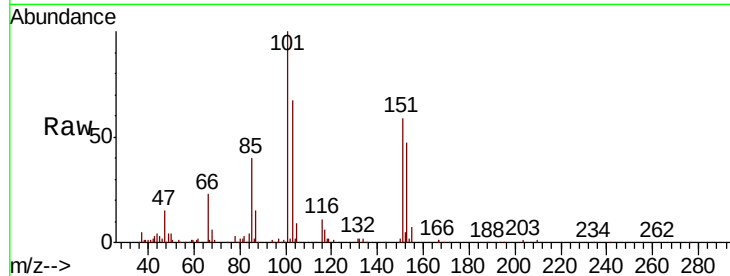
ClientSampleId :

Tot Ion:101 Resp: 116200

Ion Ratio Lower Upper

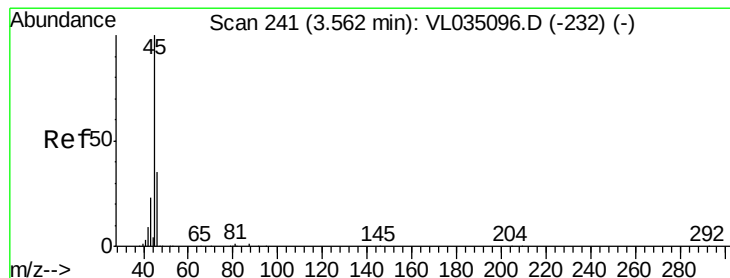
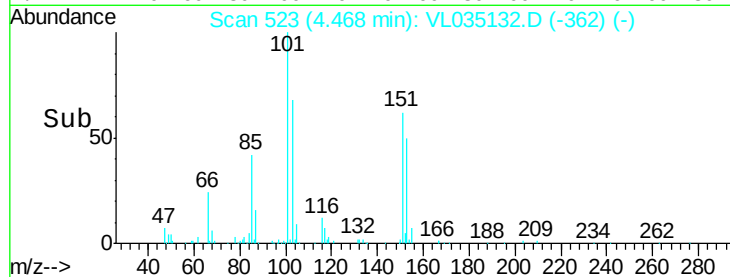
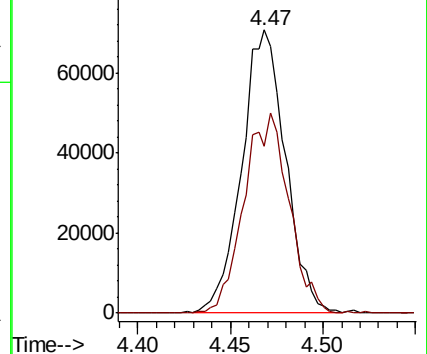
101 100

151 72.5 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: 97.019 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.03 min

Lab File: VL035132.D

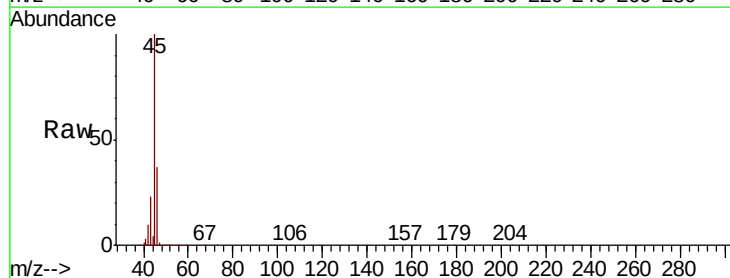
Acq: 30 Jun 2020 19:36

Tgt Ion: 45 Resp: 1990891

Ion Ratio Lower Upper

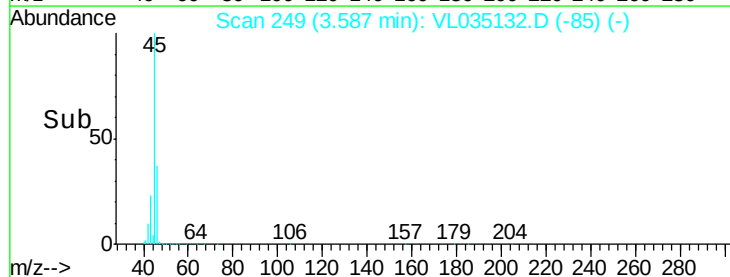
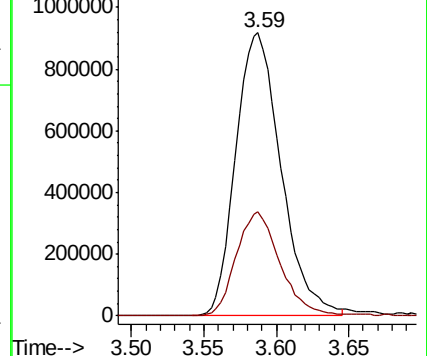
45 100

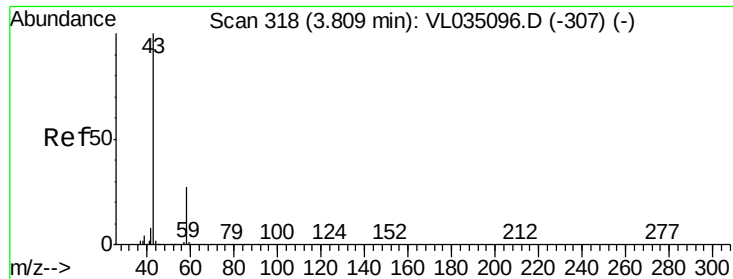
46 36.2 14.2 57.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

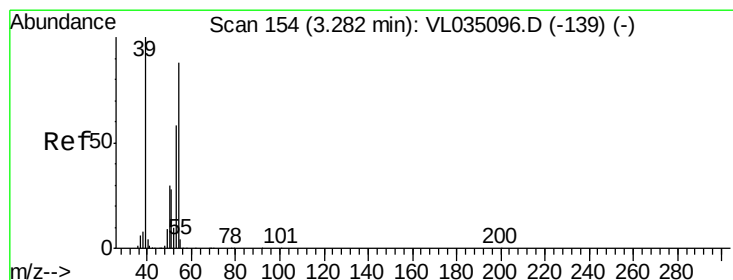
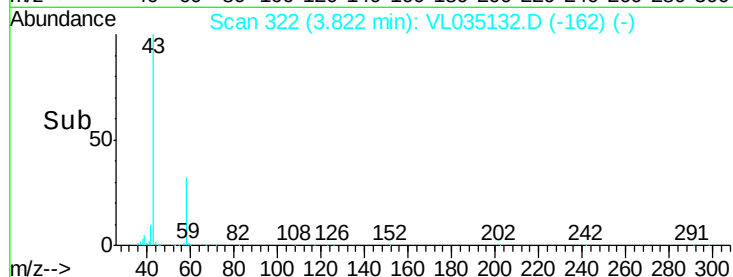
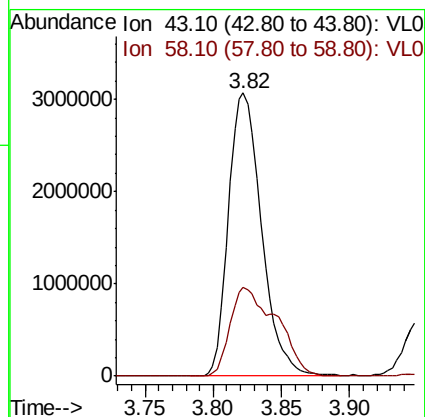
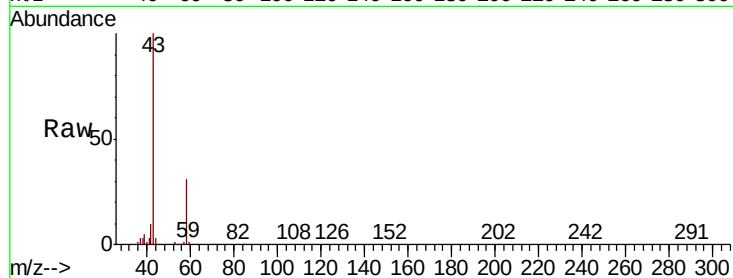




#15
Acetone
Concen: 34.352 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

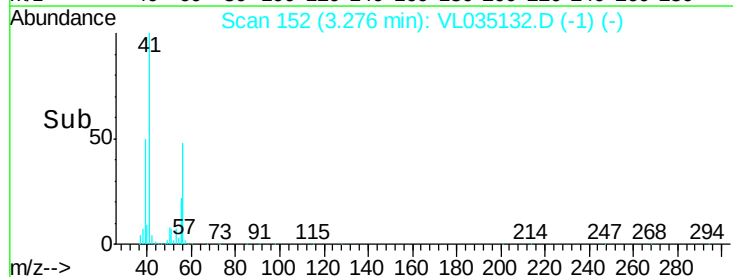
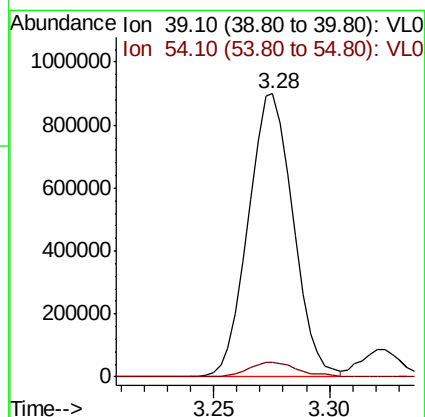
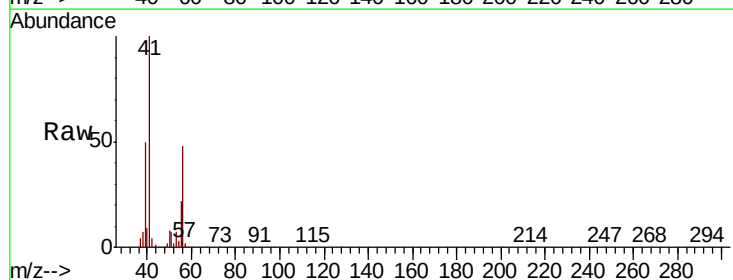
Instrument :
MSVOA_L
ClientSampleId :

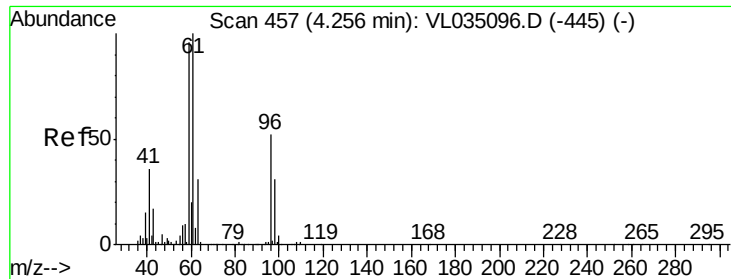
Tot Ion: 43 Resp: 5157454
Ion Ratio Lower Upper
43 100
58 44.3 21.8 32.6#



#16
1,3-Butadiene
Concen: 18.298 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion: 39 Resp: 1204841
Ion Ratio Lower Upper
39 100
54 5.9 67.0 100.4#



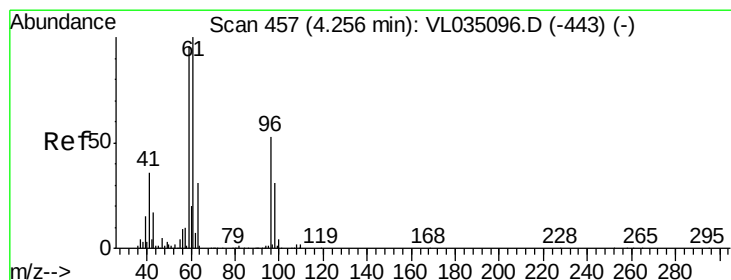
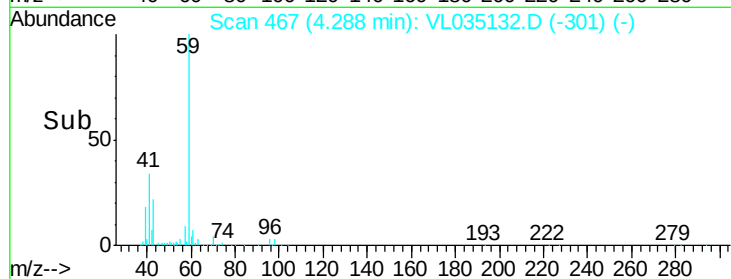
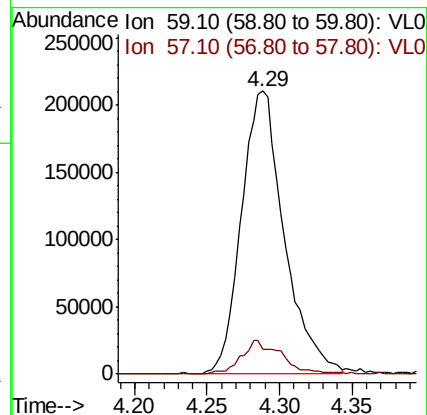
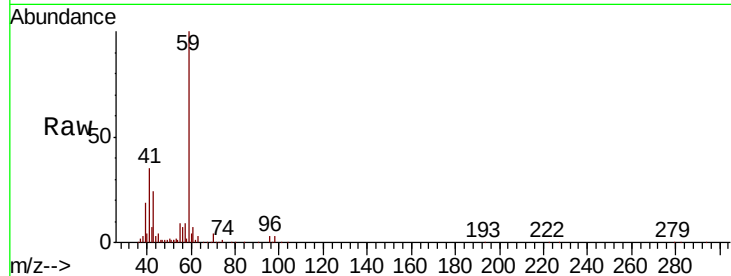


#17

tert-Butyl alcohol
Concen: 3.255 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.03 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Instrument :
MSVOA_L
ClientSampleId :

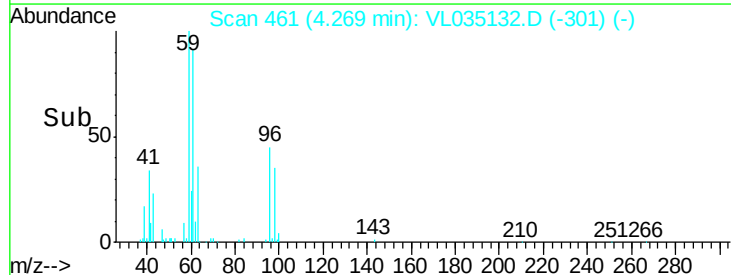
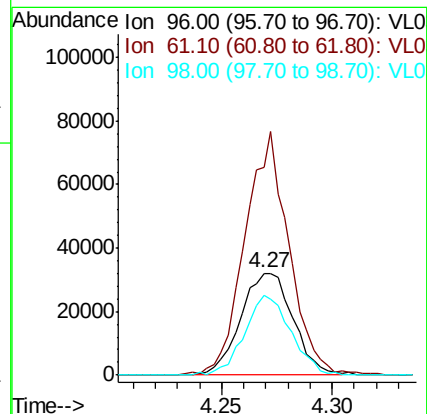
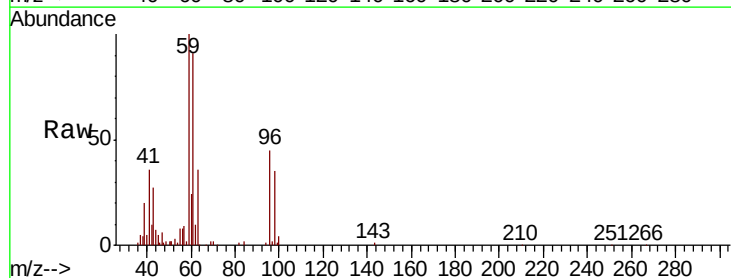
Tot Ion: 59 Resp: 433119
Ion Ratio Lower Upper
59 100
57 11.4 8.6 12.8

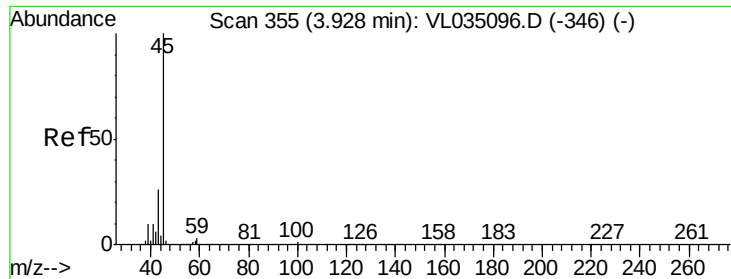


#18

1,1-Dichloroethene
Concen: 0.943 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion: 96 Resp: 52663
Ion Ratio Lower Upper
96 100
61 201.1 152.2 228.4
98 78.7 47.7 71.5#



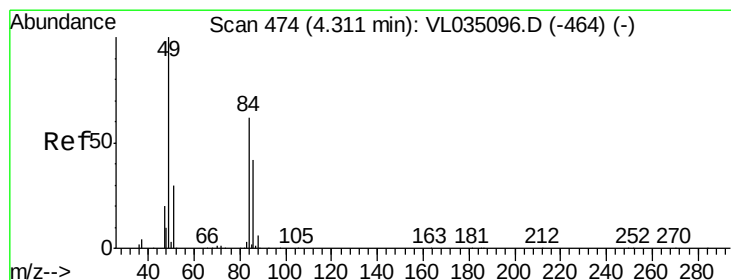
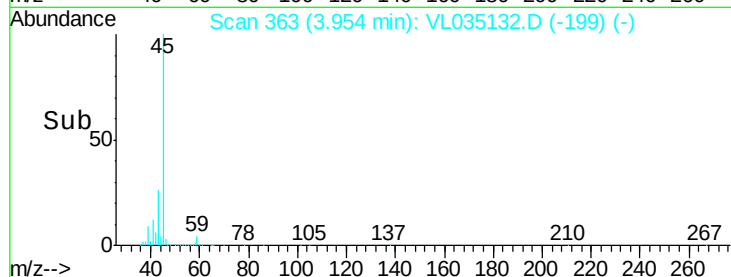
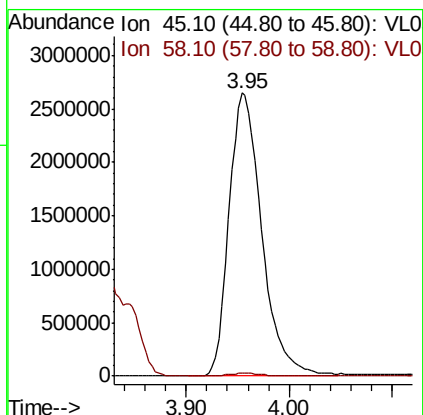
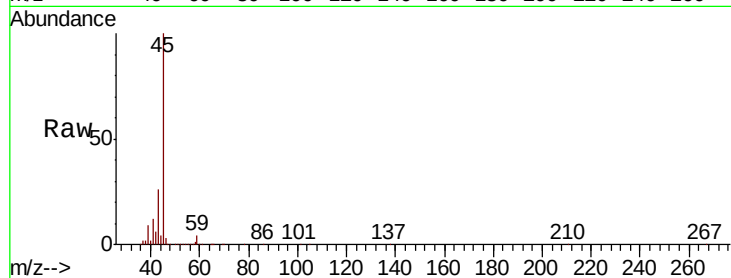


#19

Isopropyl Alcohol
 Concen: 60.082 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Instrument :
 MSVOA_L
 ClientSampleID :

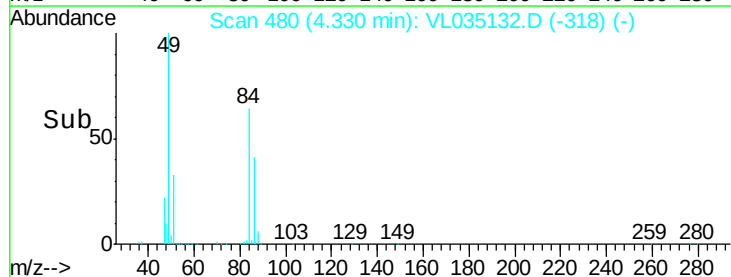
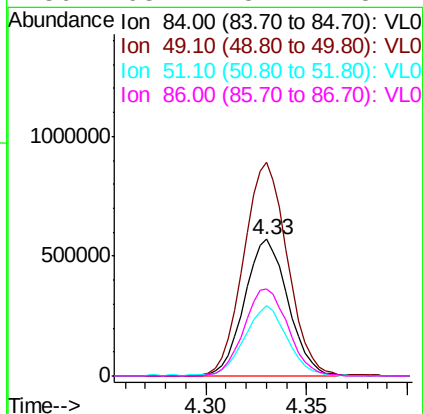
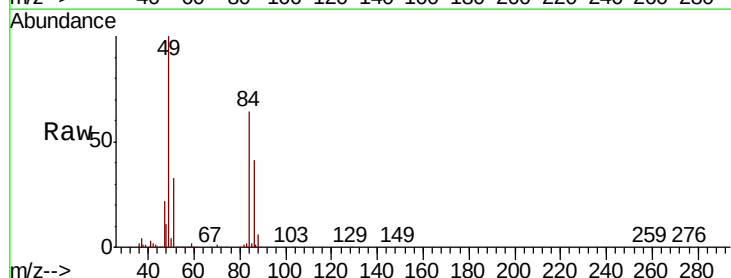
Tot Ion: 45 Resp: 5857120
 Ion Ratio Lower Upper
 45 100
 58 1.2 1.8 2.8#

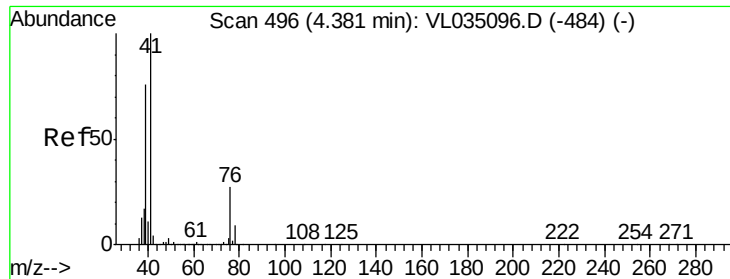


#20

Methylene Chloride
 Concen: 14.165 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.02 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Tgt Ion: 84 Resp: 860739
 Ion Ratio Lower Upper
 84 100
 49 156.0 128.8 193.2
 51 50.8 38.7 58.1
 86 63.4 54.1 81.1

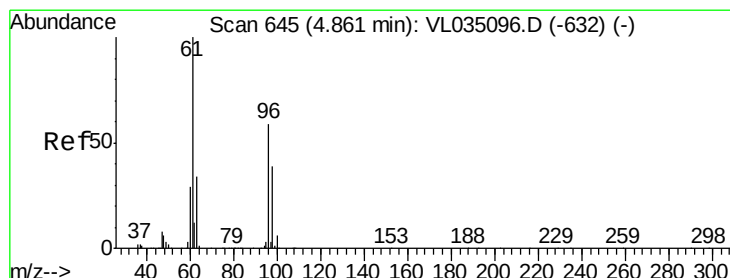
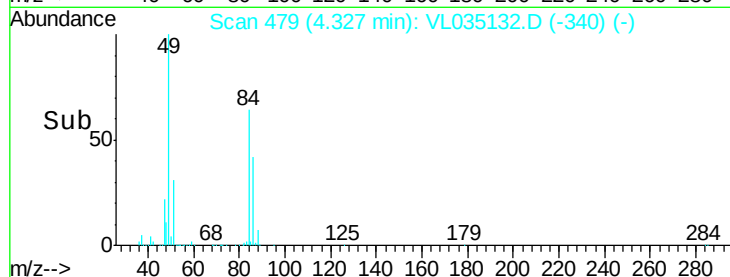
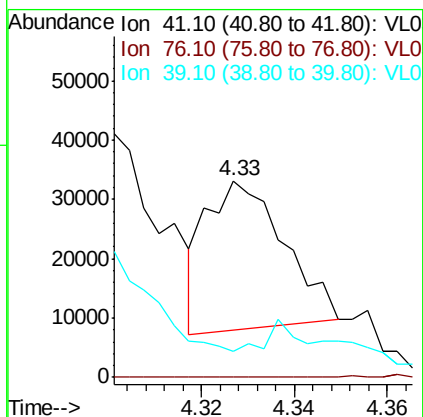
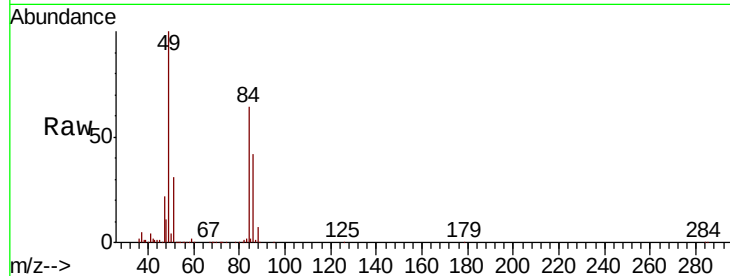




#21
Allvl Chloride
Concen: 0.327 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.05 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

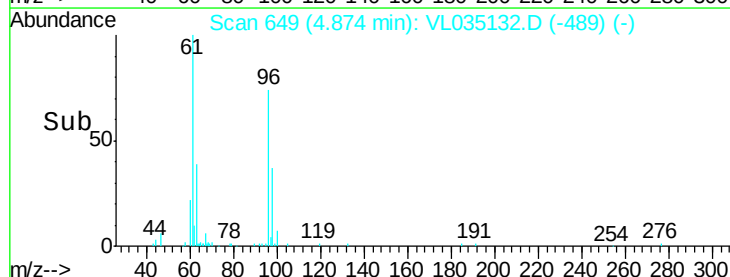
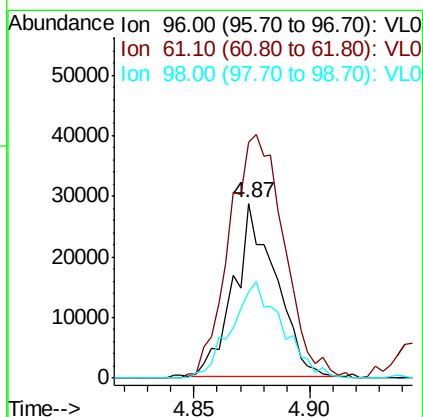
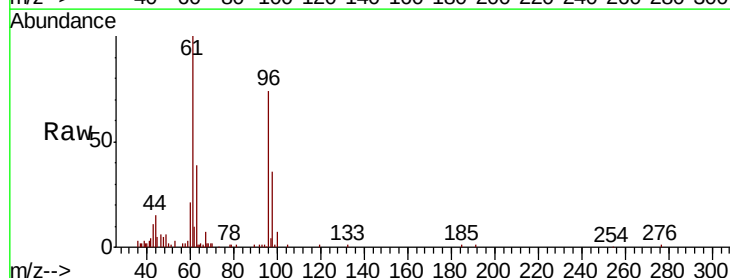
Instrument :
MSVOA_L
ClientSampleId :

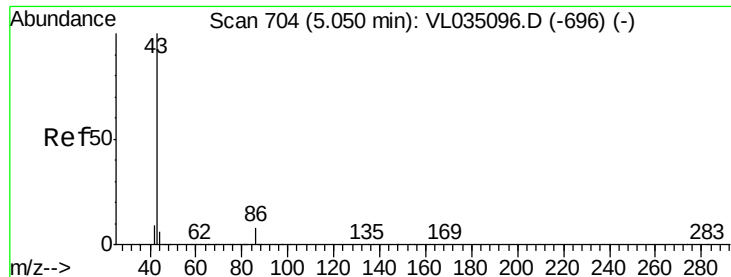
Tot Ion: 41 Resp: 29162
Ion Ratio Lower Upper
41 100
76 0.0 22.6 34.0#
39 0.0 61.6 92.4#



#22
trans-1,2-Dichloroethene
Concen: 0.685 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion: 96 Resp: 35803
Ion Ratio Lower Upper
96 100
61 134.9 134.5 201.7
98 49.6 52.6 79.0#





#23

Vinyl Acetate

Concen: 3.091 ppbv

RT: 5.16 min Scan# 738

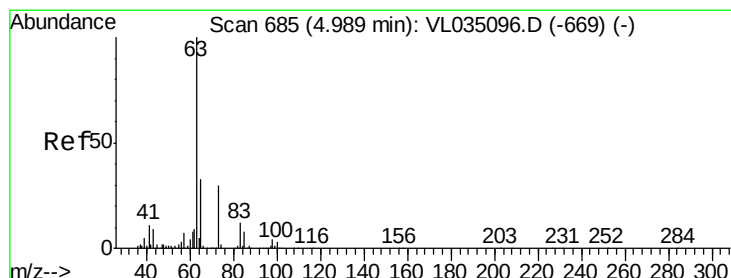
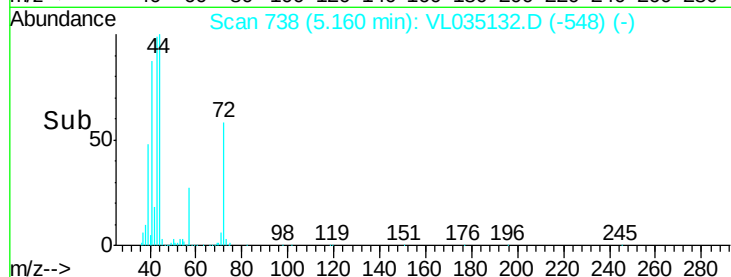
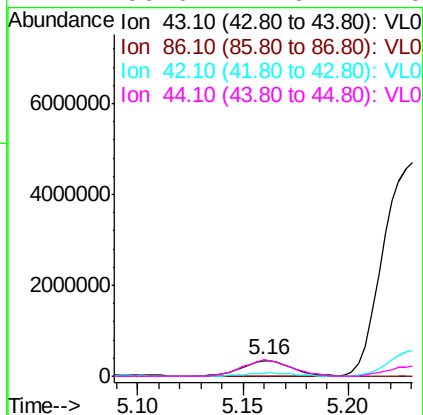
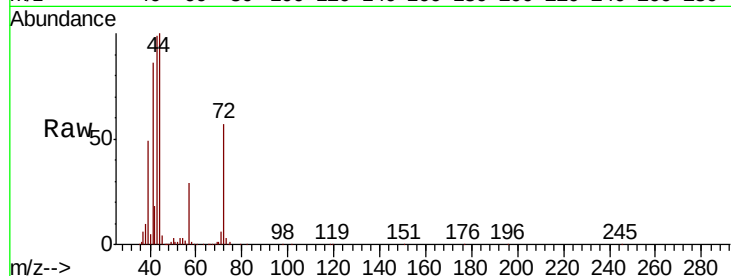
Delta R.T. 0.11 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	563251
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	17.9	8.1	12.1#
44	100.6	4.6	7.0#



#24

1,1-Dichloroethane

Concen: 8.011 ppbv

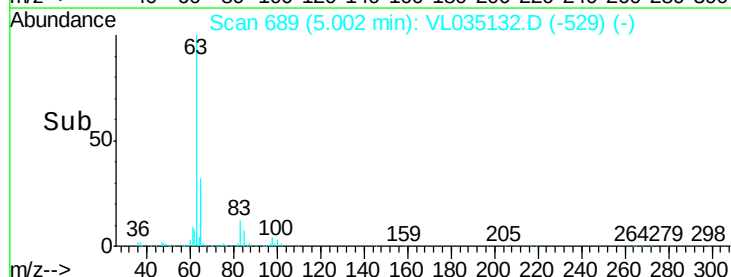
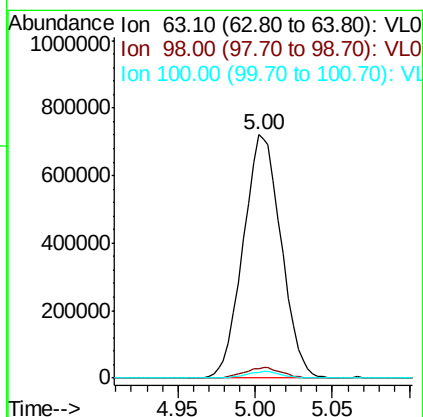
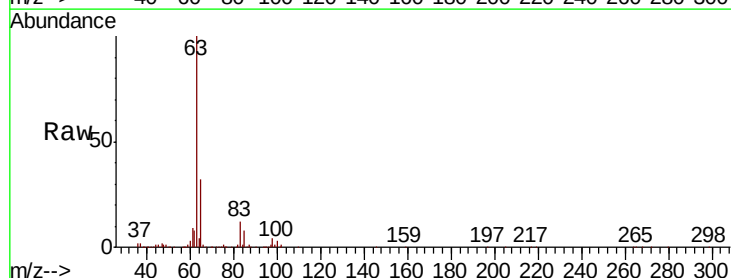
RT: 5.00 min Scan# 689

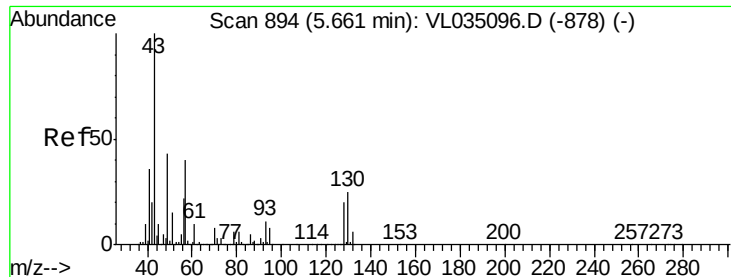
Delta R.T. 0.01 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Tgt Ion:	63	Resp:	1230851
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.3	6.9
100	2.5	1.4	4.0

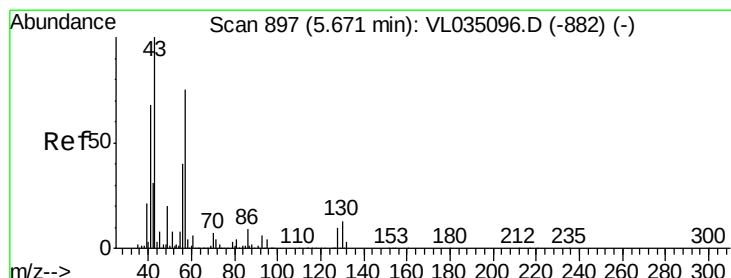
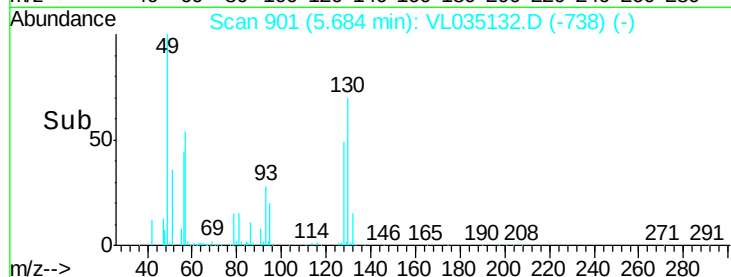
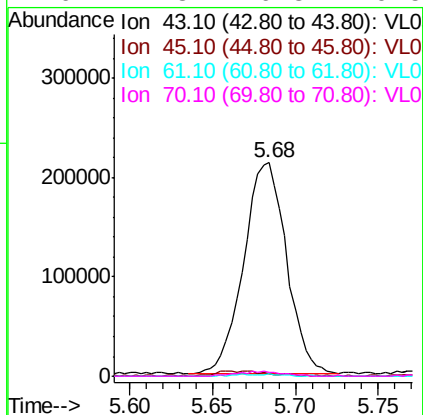
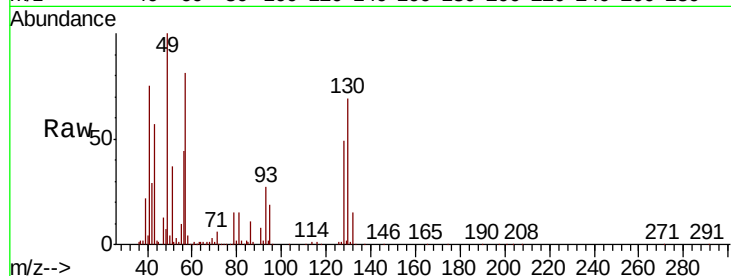




#25
Ethyl Acetate
Concen: 1.411 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

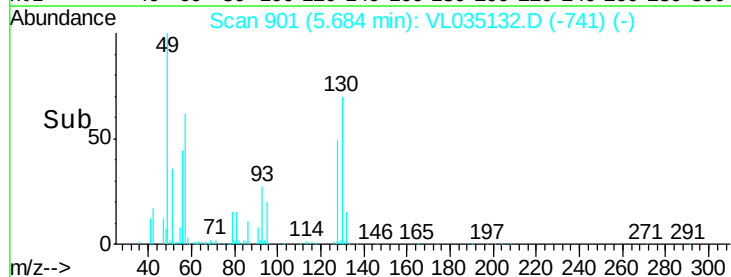
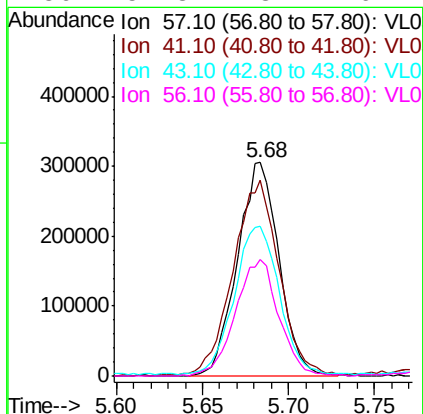
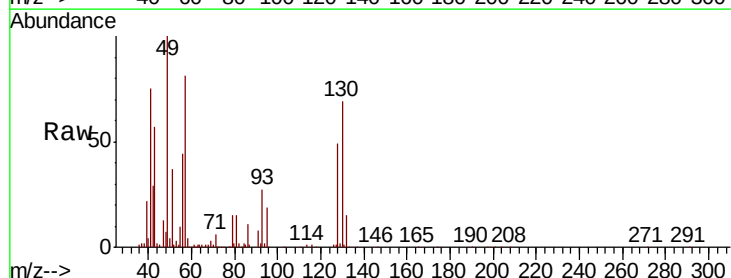
Instrument :
MSVOA_L
ClientSampleId :

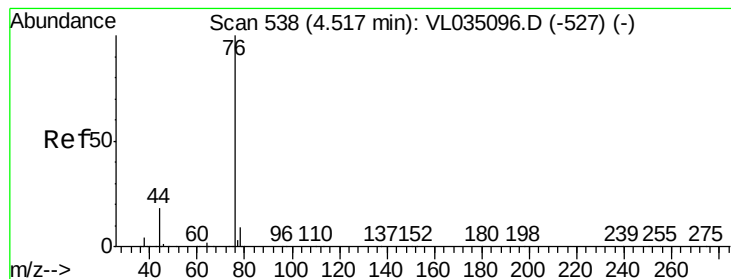
Tot Ion:	43	Resp:	382276
Ion	Ratio	Lower	Upper
43	100		
45	3.3	8.4	12.6#
61	1.2	8.0	12.0#
70	2.8	6.3	9.5#



#26
Hexane
Concen: 4.182 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion:	57	Resp:	510833
Ion	Ratio	Lower	Upper
57	100		
41	102.9	72.9	109.3
43	75.6	181.3	271.9#
56	57.3	43.1	64.7





#27

Carbon Disulfide

Concen: 0.069 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.01 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

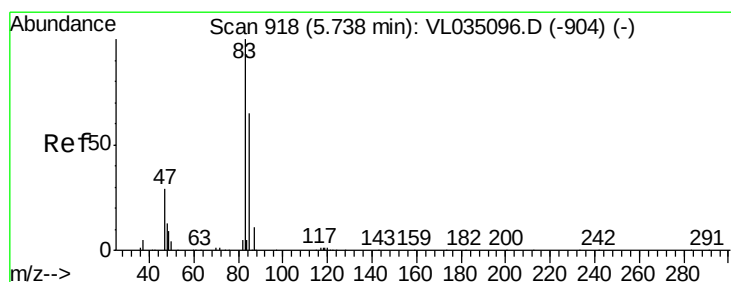
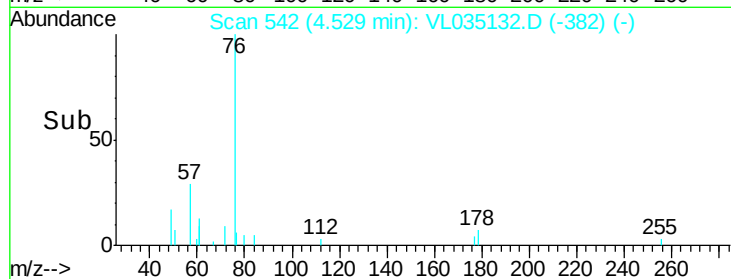
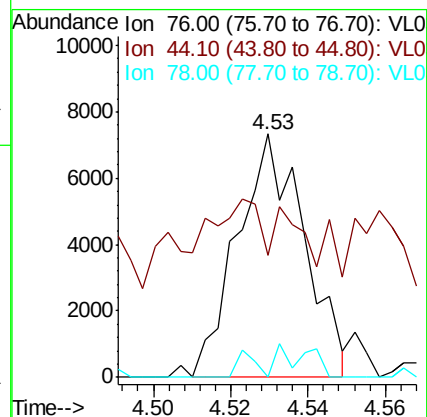
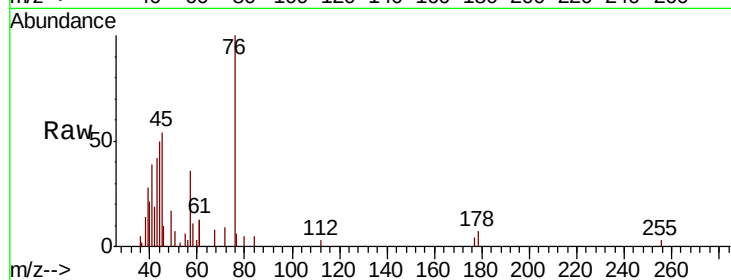
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 8769

Ion	Ratio	Lower	Upper
76	100		
44	48.9	15.8	23.8#
78	9.4	7.6	11.4



#29

Chloroform

Concen: 0.230 ppbv

RT: 5.76 min Scan# 924

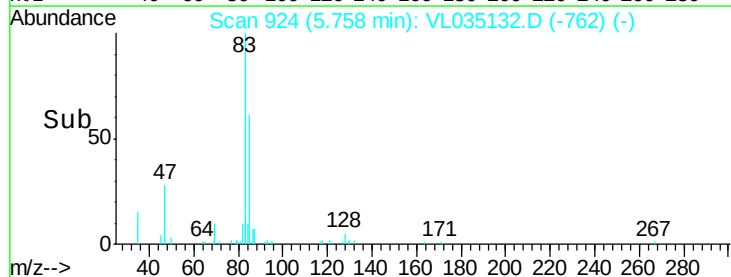
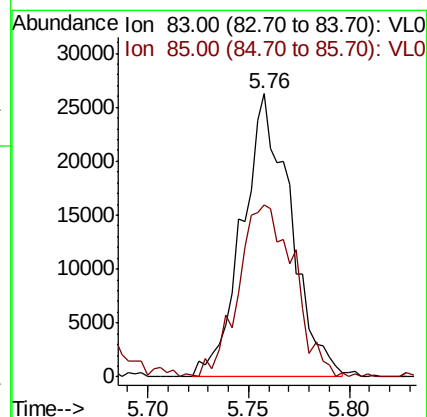
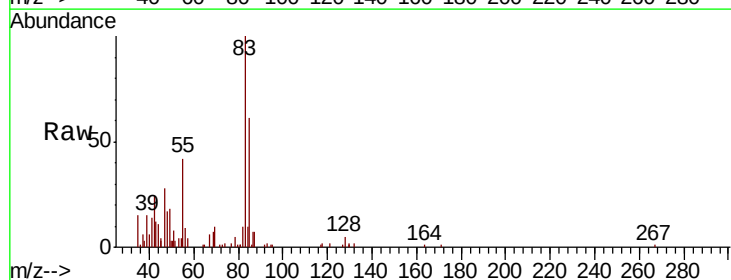
Delta R.T. 0.02 min

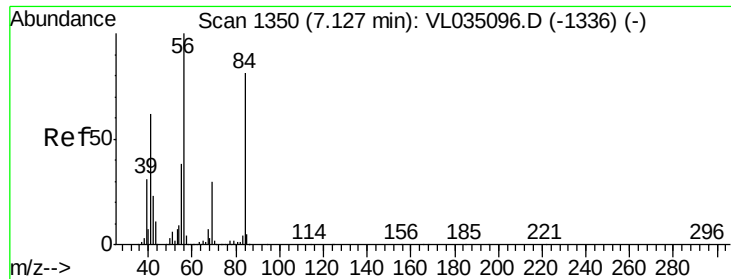
Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Tgt Ion: 83 Resp: 43994

Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.1	78.1

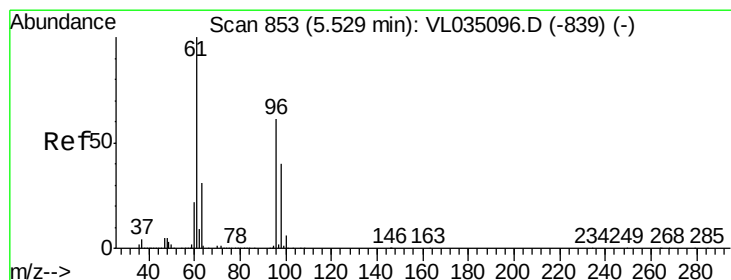
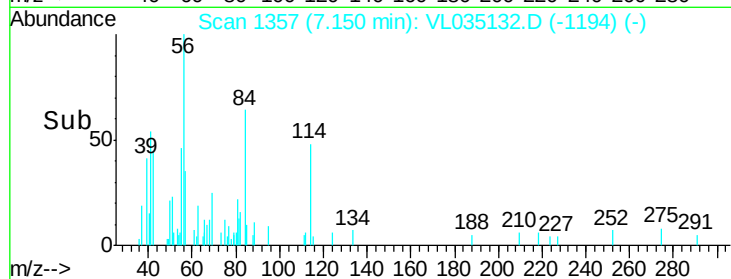
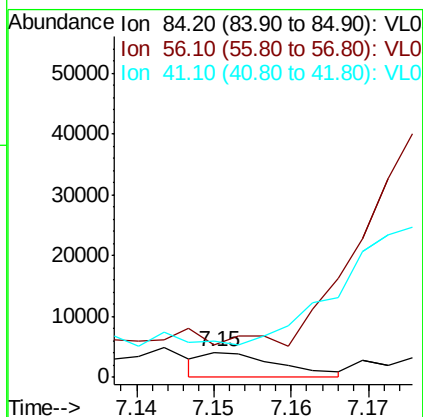
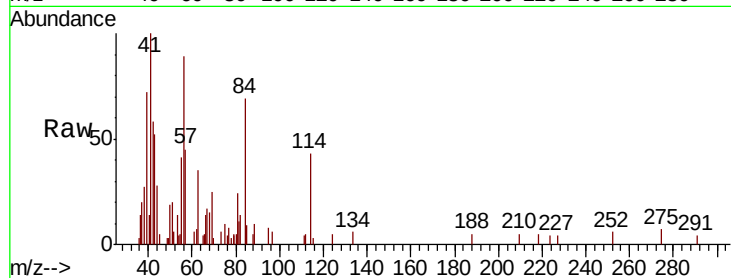




#30
Cyclohexane
Concen: 0.031 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

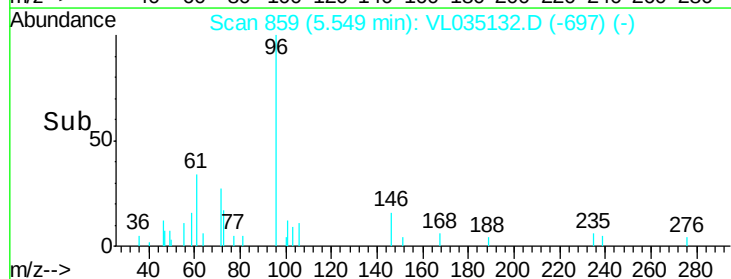
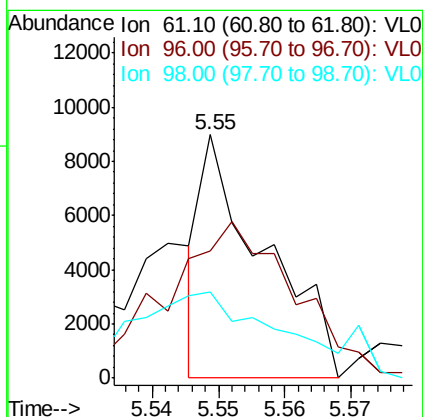
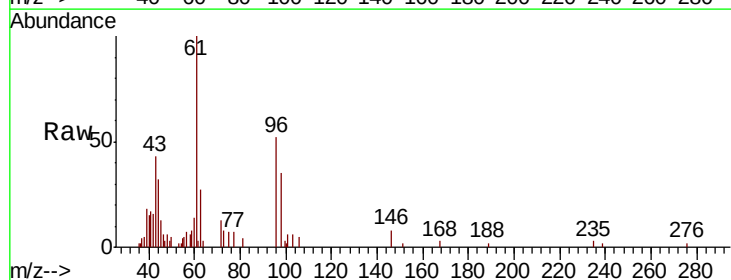
Instrument :
MSVOA_L
ClientSampled :

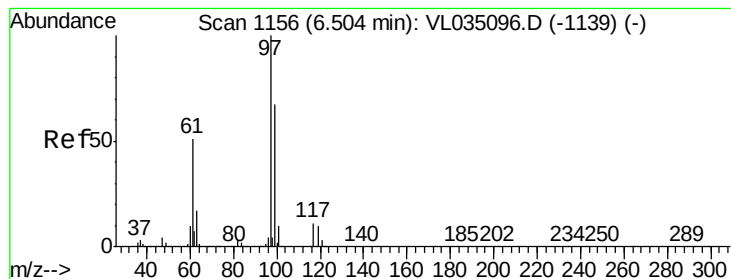
Tot Ion: 84 Resp: 2704
Ion Ratio Lower Upper
84 100
56 0.0 108.0 162.0#
41 0.0 65.6 98.4#



#31
cis-1,2-Dichloroethene
Concen: 0.052 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.02 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion: 61 Resp: 5910
Ion Ratio Lower Upper
61 100
96 38.4 48.8 73.2#
98 24.4 31.9 47.9#





#32

1,1,1-Trichloroethane

Concen: 33.775 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

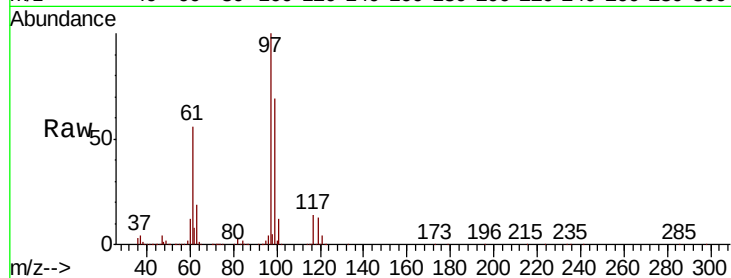
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 5988576

Ion	Ratio	Lower	Upper
97	100		
99	67.8	52.0	78.0
61	53.6	41.0	61.6

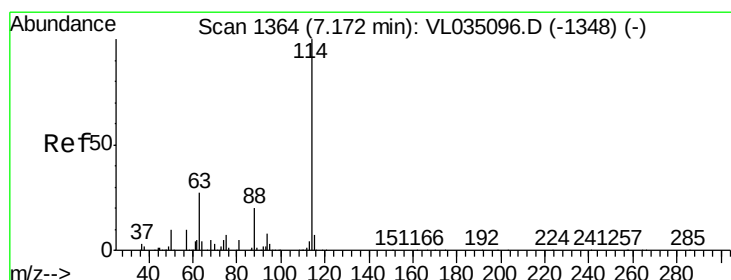
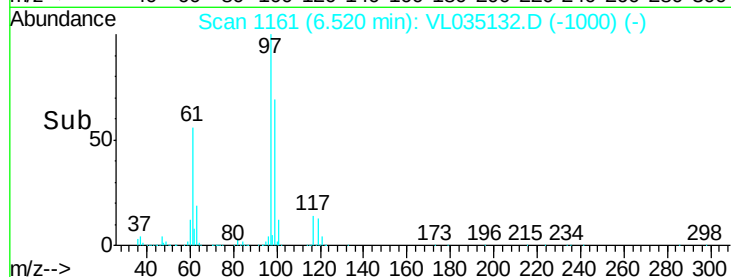
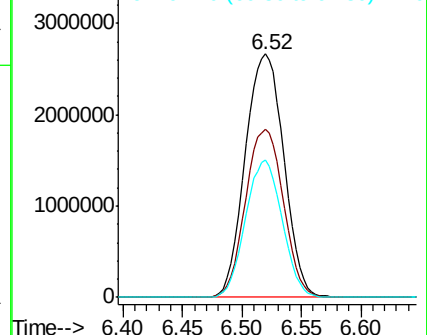


Abundance

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# 1370

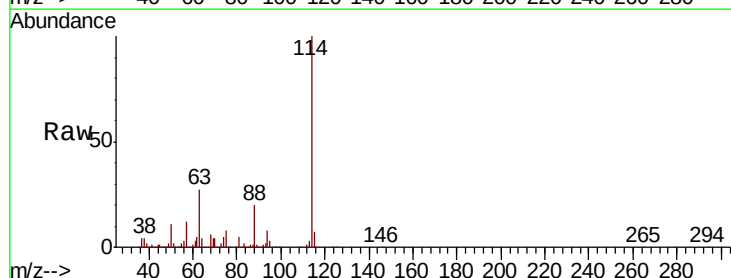
Delta R.T. 0.02 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Tgt Ion: 114 Resp: 2895660

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.9	32.9
88	19.3	15.6	23.4

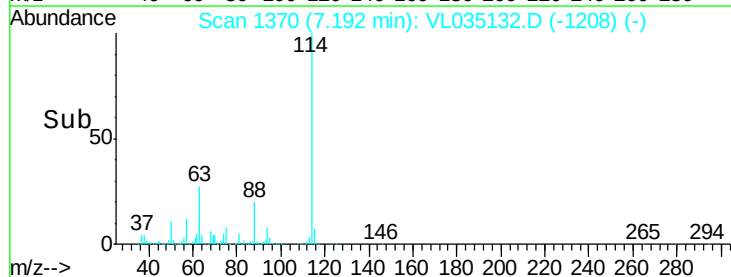
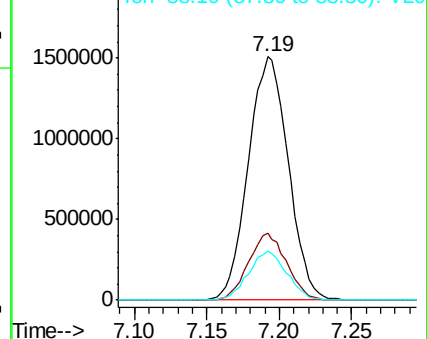


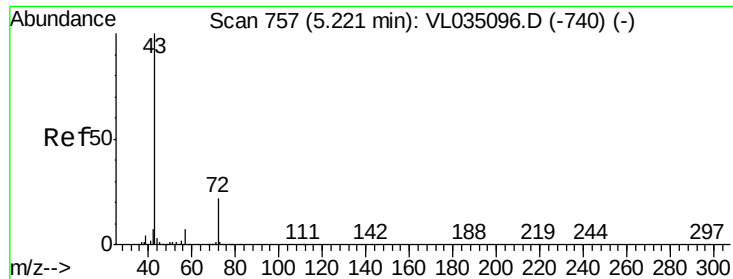
Abundance

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

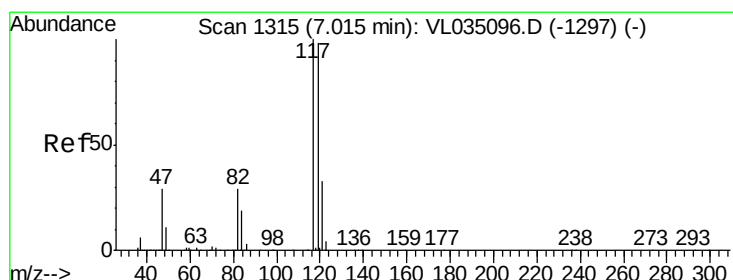
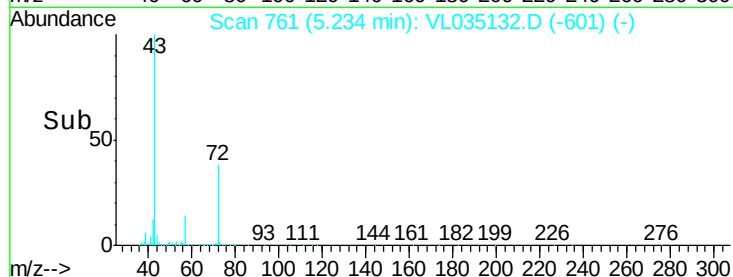
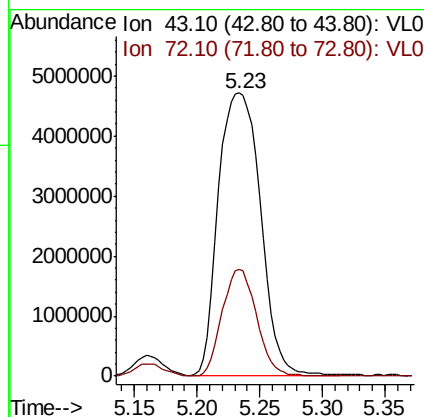
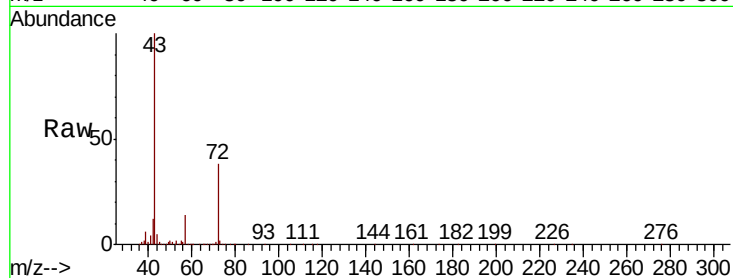




#34
2-Butanone
Concen: 65.842 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

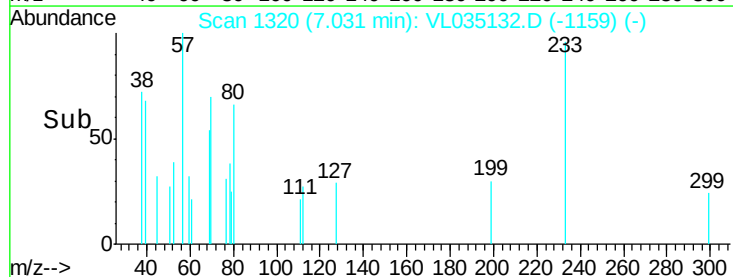
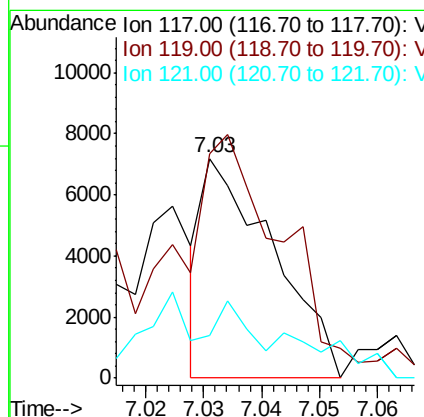
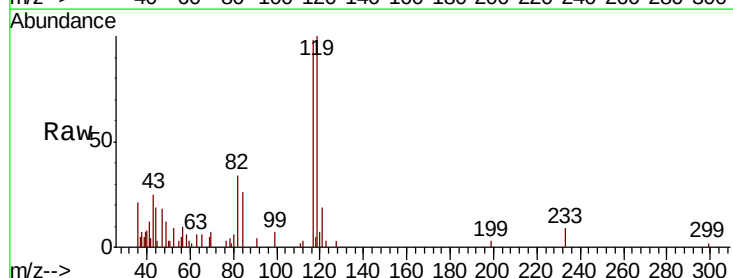
Instrument :
MSVOA_L
ClientSampled :

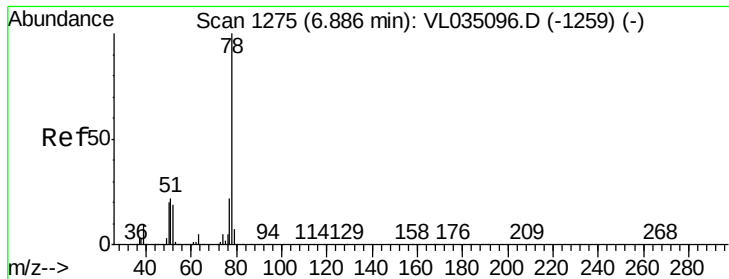
Tot Ion: 43 Resp:10948890
Ion Ratio Lower Upper
43 100
72 31.0 18.3 27.5#



#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.02 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion:117 Resp: 6096
Ion Ratio Lower Upper
117 100
119 83.7 78.3 117.5
121 2.4 26.0 39.0#





#36

Benzene

Concen: 0.144 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.02 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :

MSVOA_L

ClientSampleId :

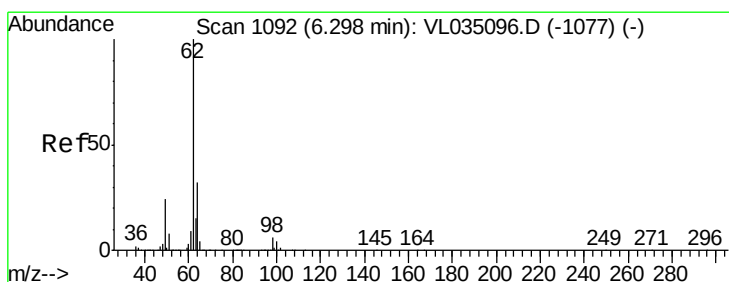
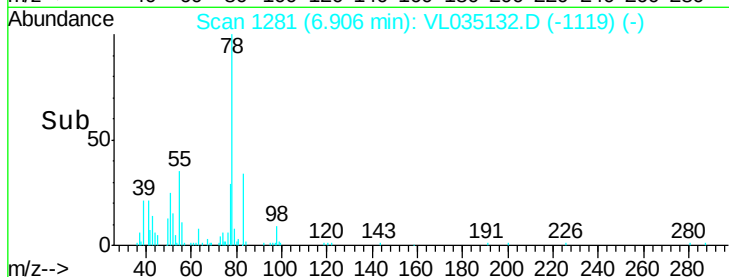
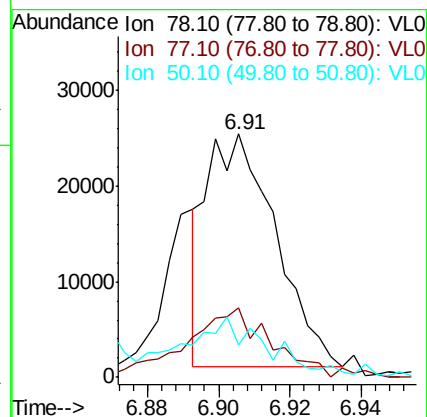
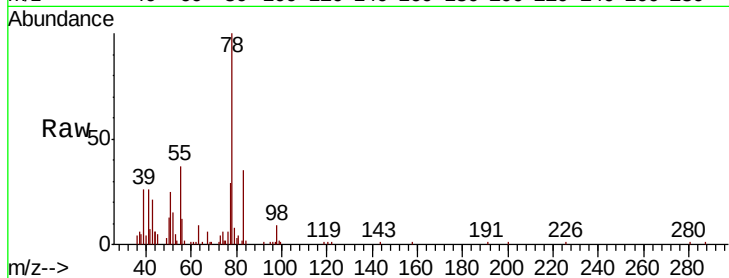
Tot Ion: 78 Resp: 32347

Ion Ratio Lower Upper

78 100

77 23.6 17.8 26.6

50 10.5 16.2 24.2#



#37

1,2-Dichloroethane

Concen: 3.274 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.23 min

Lab File: VL035132.D

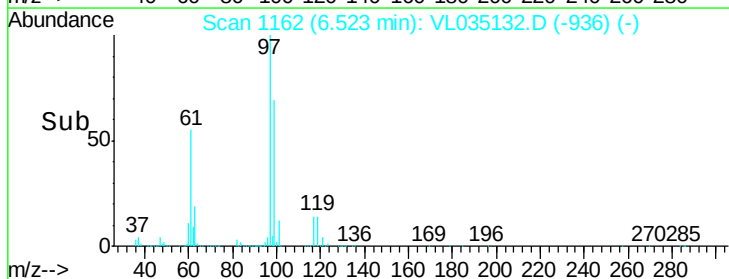
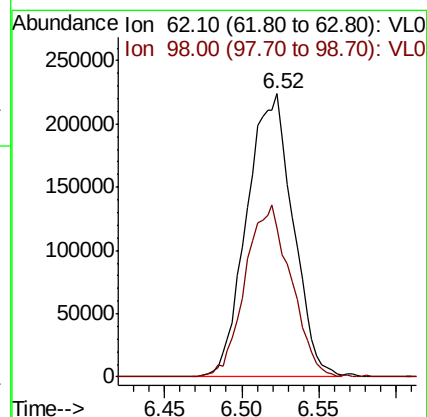
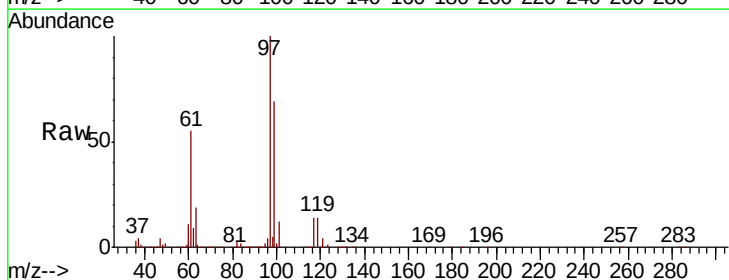
Acq: 30 Jun 2020 19:36

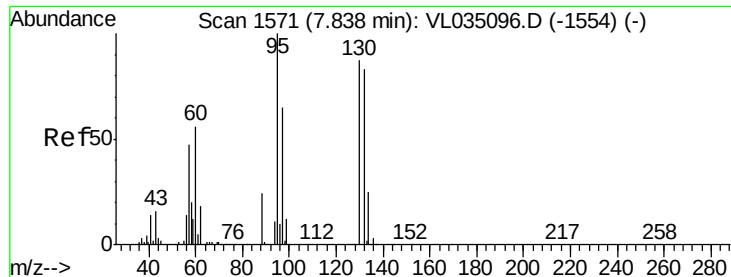
Tgt Ion: 62 Resp: 463984

Ion Ratio Lower Upper

62 100

98 60.4 4.8 7.2#





#38

Trichloroethene

Concen: 0.061 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.03 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 5278

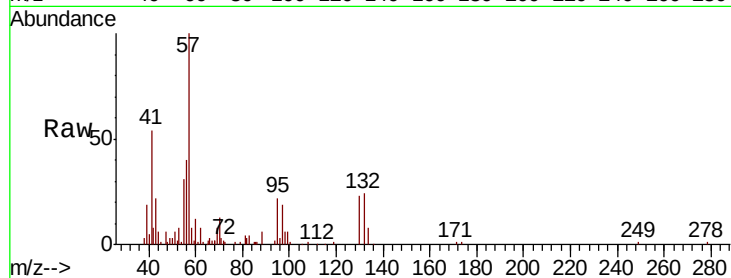
Ion Ratio Lower Upper

130 100

95 91.7 91.4 137.2

132 99.4 75.8 113.6

97 67.0 59.8 89.8

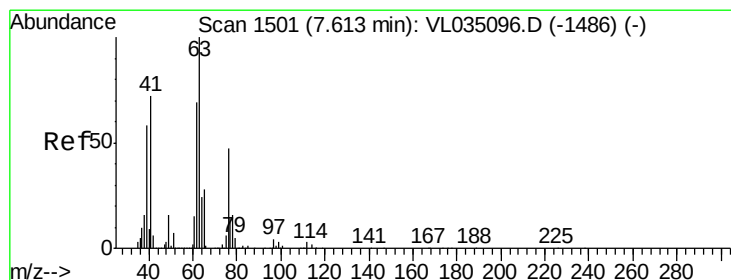
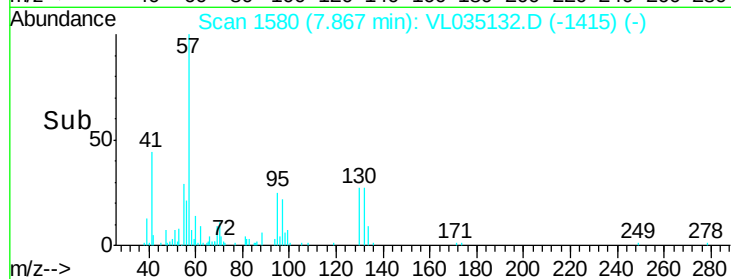
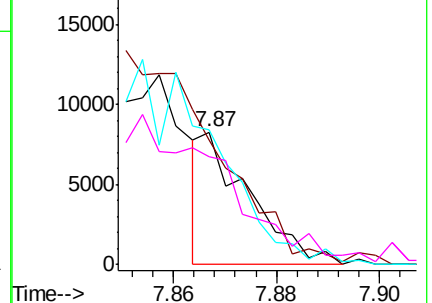


Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.668 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.42 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

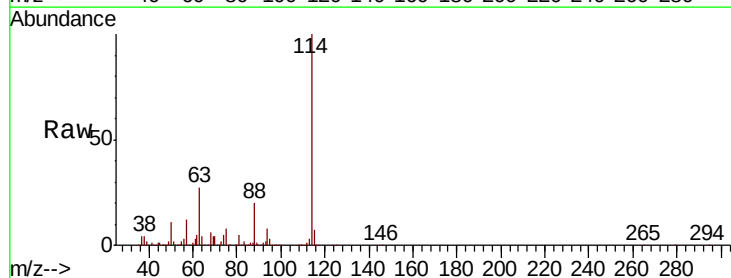
Tgt Ion: 63 Resp: 760149

Ion Ratio Lower Upper

63 100

41 2.5 58.0 87.0#

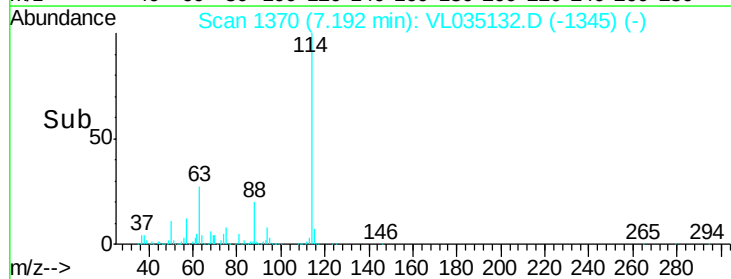
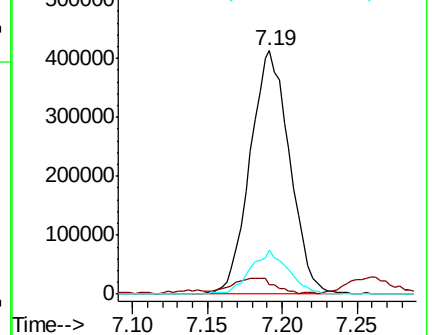
62 17.9 55.4 83.0#

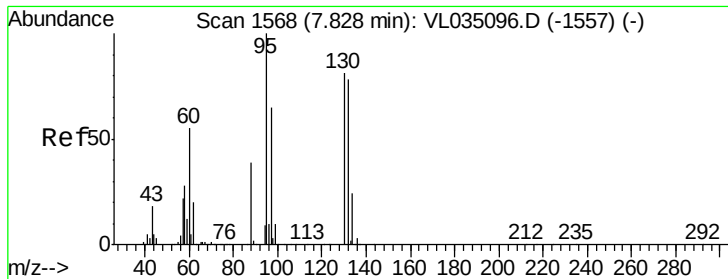


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

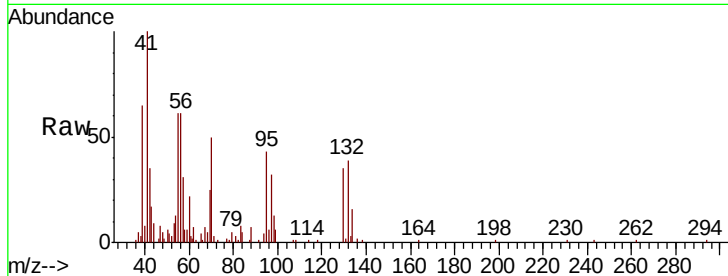




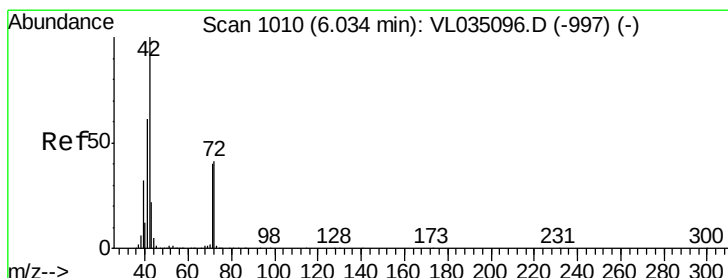
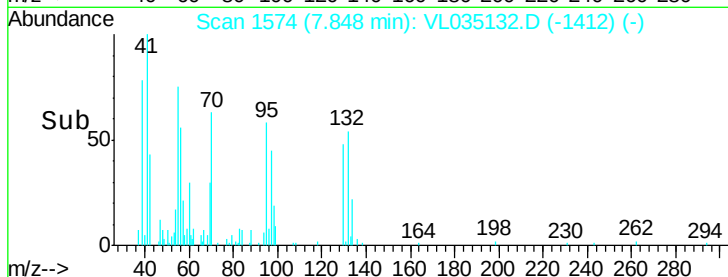
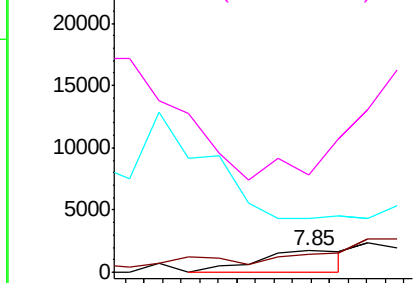
#40
 1,4-Dioxane
 Concen: 0.034 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 88 Resp: 1159
 Ion Ratio Lower Upper
 88 100
 58 0.0 110.2 165.4#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

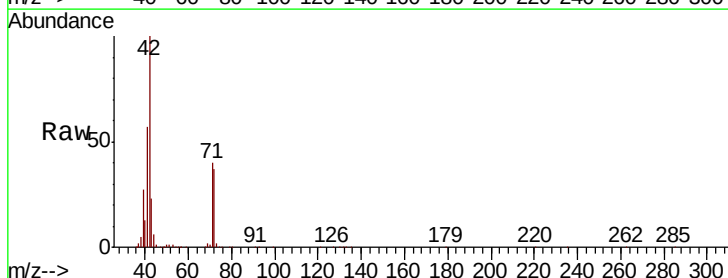


Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0

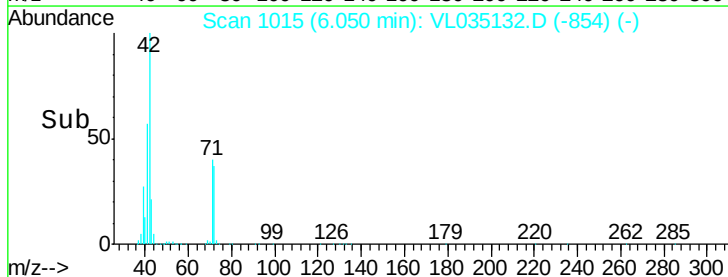
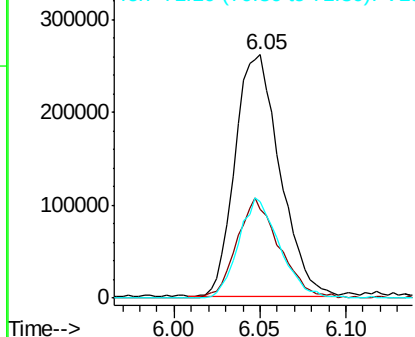


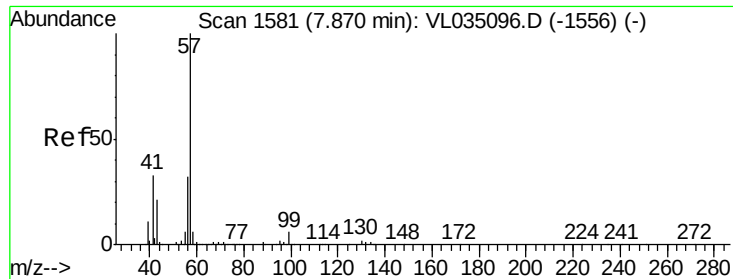
#41
 Tetrahydrofuran
 Concen: 5.589 ppbv
 RT: 6.05 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Tgt Ion: 42 Resp: 474688
 Ion Ratio Lower Upper
 42 100
 72 39.0 33.4 50.2
 71 37.9 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





#44

2,2,4-Trimethylpentane

Concen: 0.383 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VL035132.D

Acq: 30 Jun 2020 19:36

Instrument :

MSVOA_L

ClientSampleId :

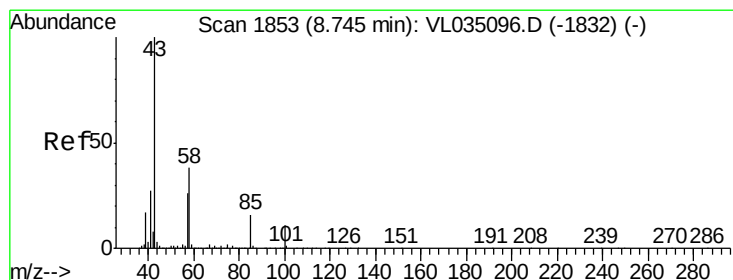
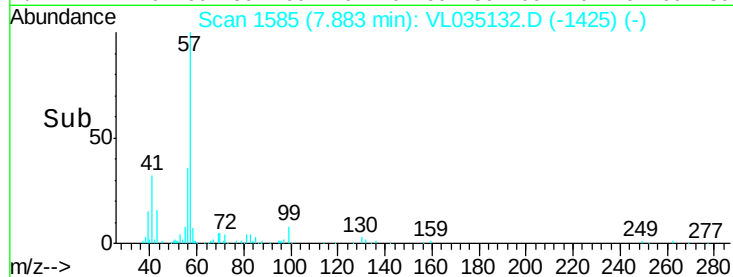
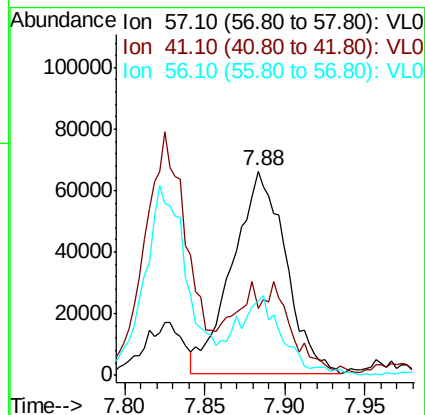
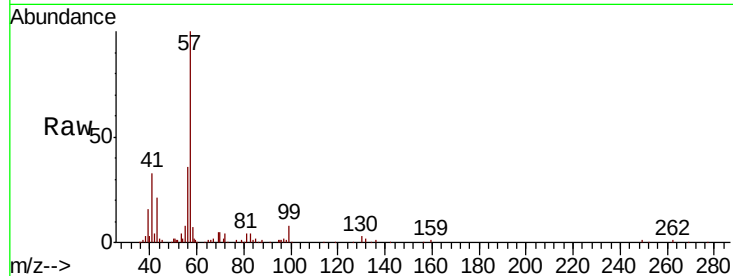
Tot Ion: 57 Resp: 150009

Ion Ratio Lower Upper

57 100

41 46.7 26.2 39.2#

56 32.1 25.4 38.2



#50

4-Methyl-2-Pentanone

Concen: 0.458 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.02 min

Lab File: VL035132.D

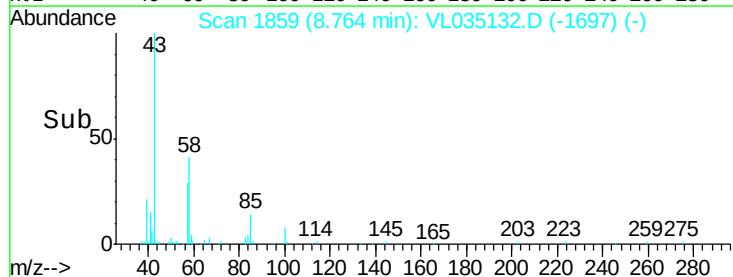
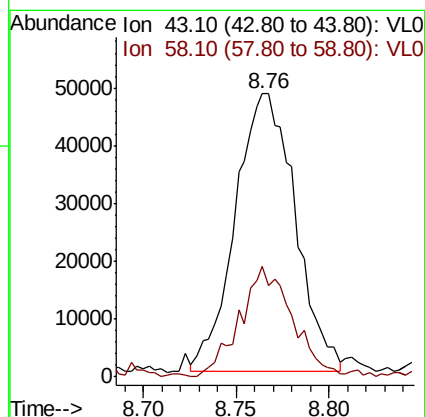
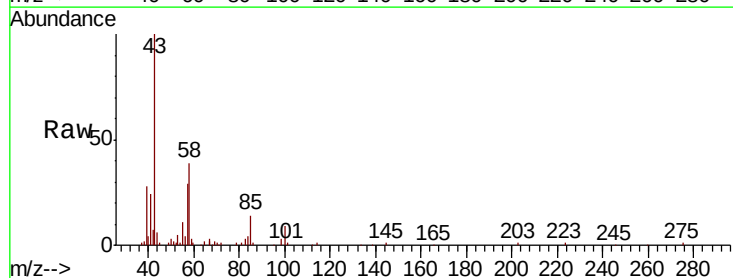
Acq: 30 Jun 2020 19:36

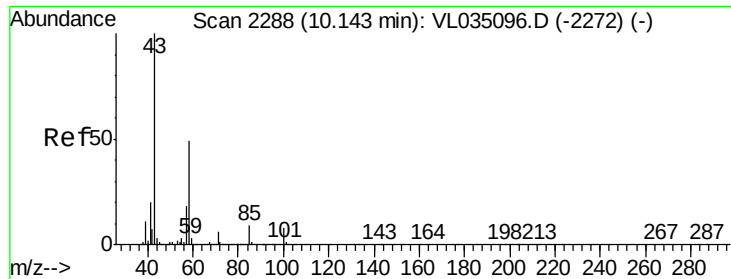
Tgt Ion: 43 Resp: 108138

Ion Ratio Lower Upper

43 100

58 35.7 29.4 44.0

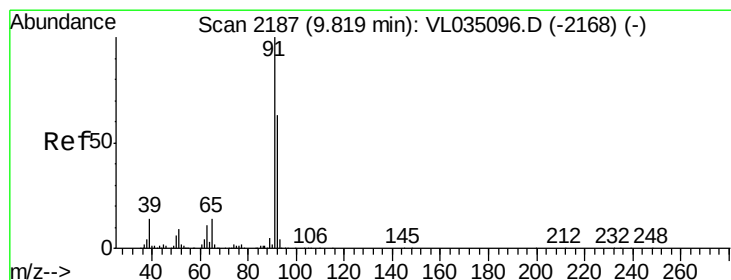
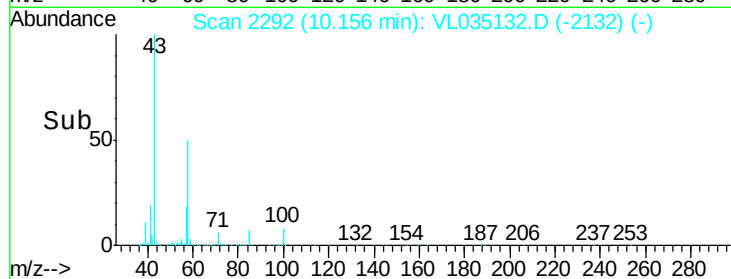
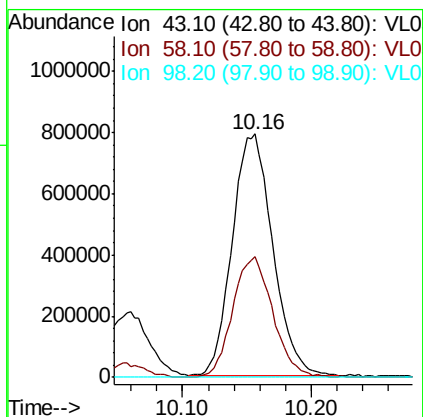
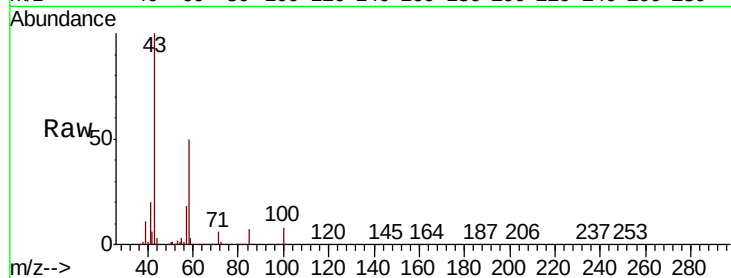




#51
2-Hexanone
Concen: 9.336 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

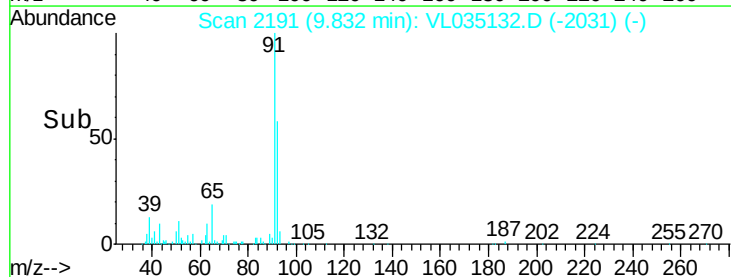
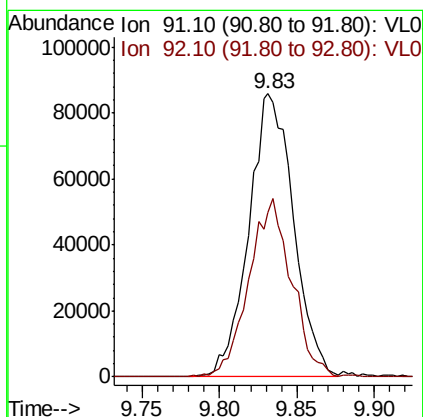
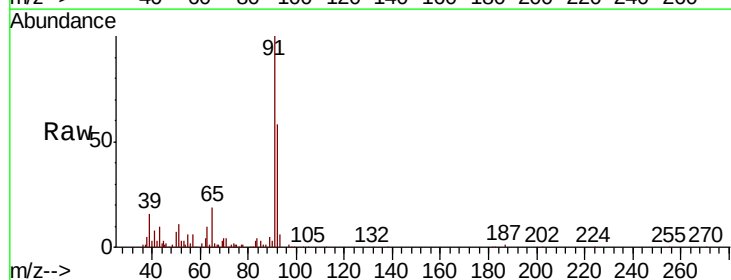
Instrument :
MSVOA_L
ClientSampleId :

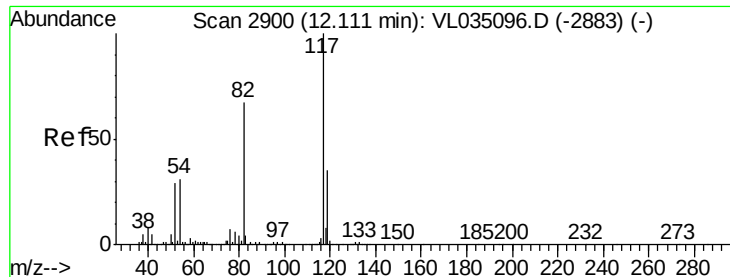
Tot Ion: 43 Resp: 1727353
Ion Ratio Lower Upper
43 100
58 49.6 39.2 58.8
98 0.3 0.3 0.5#



#53
Toluene
Concen: 0.723 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion: 91 Resp: 172814
Ion Ratio Lower Upper
91 100
92 60.1 49.0 73.6

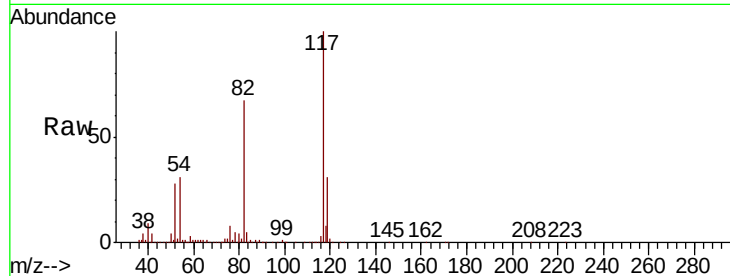




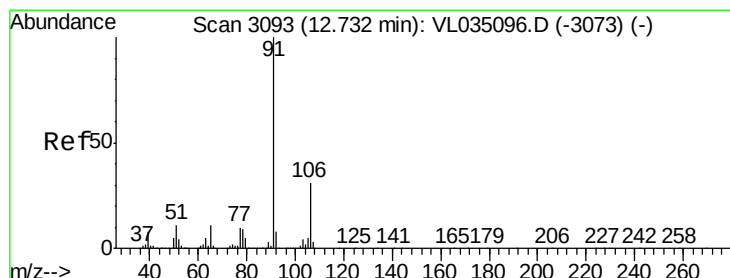
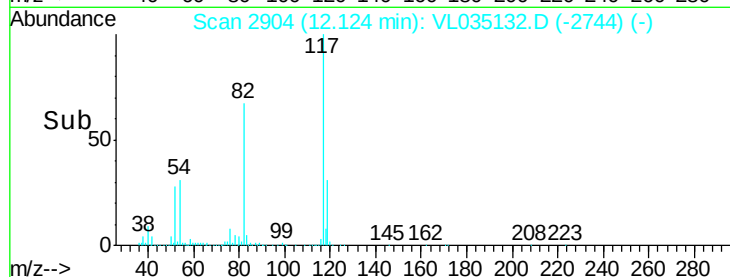
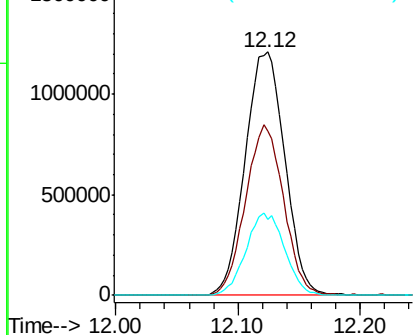
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2720334
Ion Ratio Lower Upper
117 100
82 67.2 50.4 75.6
119 33.0 25.4 38.0

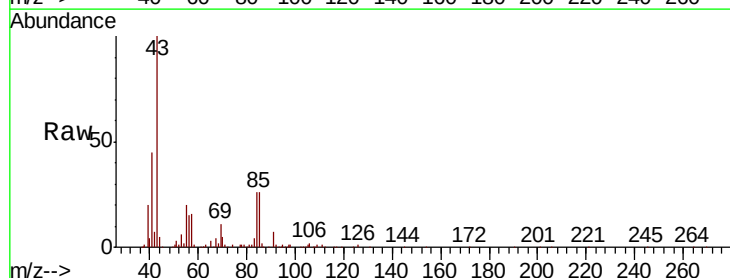


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

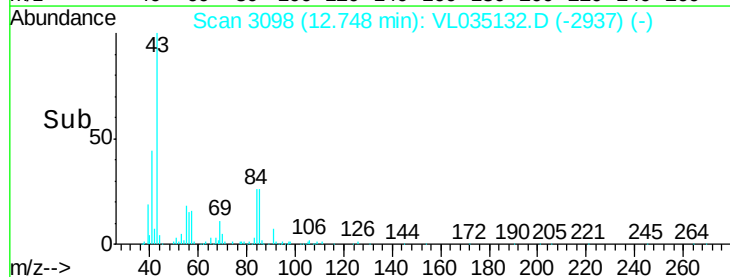
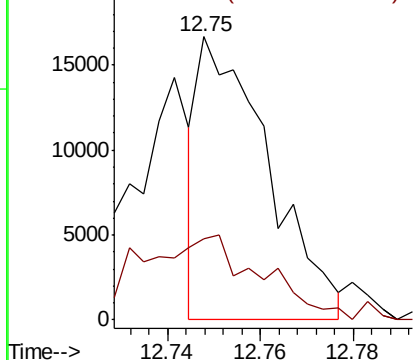


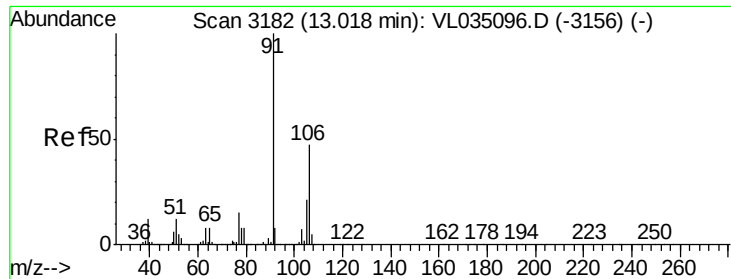
#58
Ethyl Benzene
Concen: 0.057 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.02 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion: 91 Resp: 17436
Ion Ratio Lower Upper
91 100
106 26.8 25.0 37.6



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

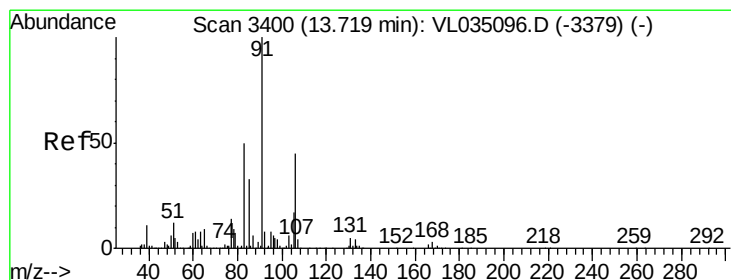
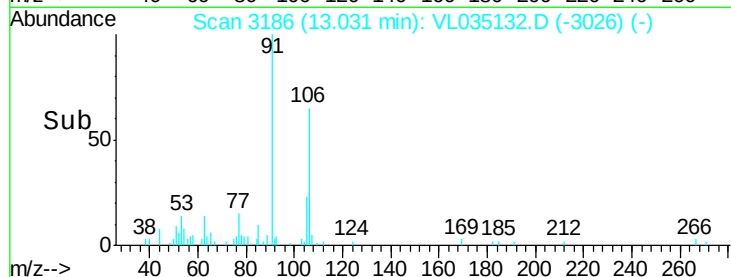
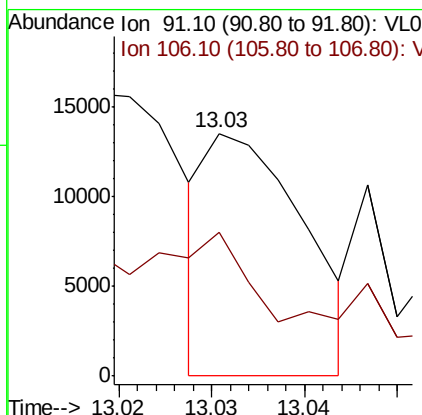
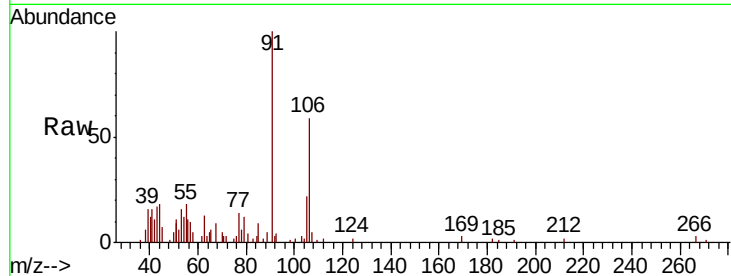




#59
m/p-Xylene
Concen: 0.036 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

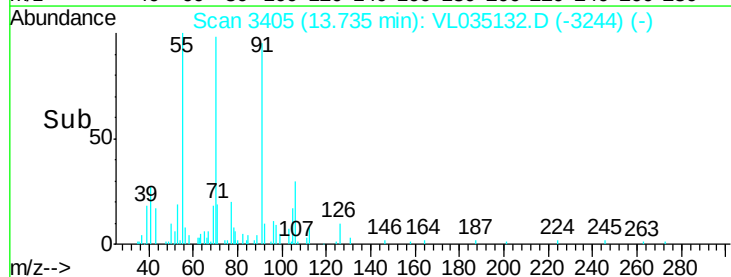
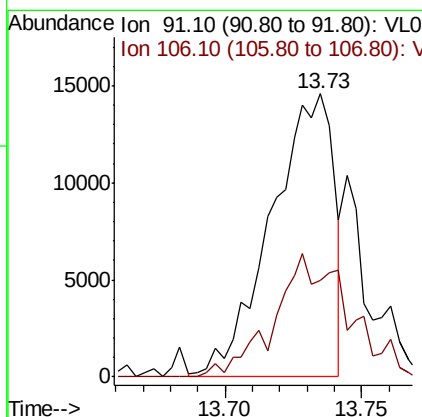
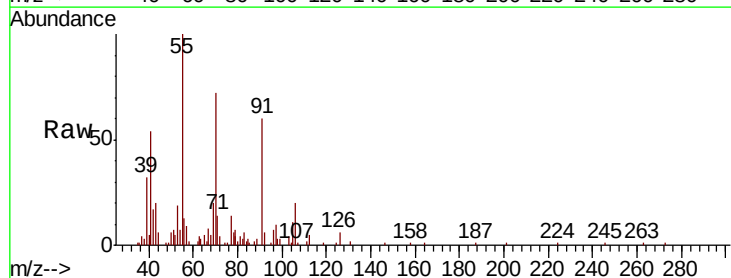
Instrument :
MSVOA_L
ClientSampleId :

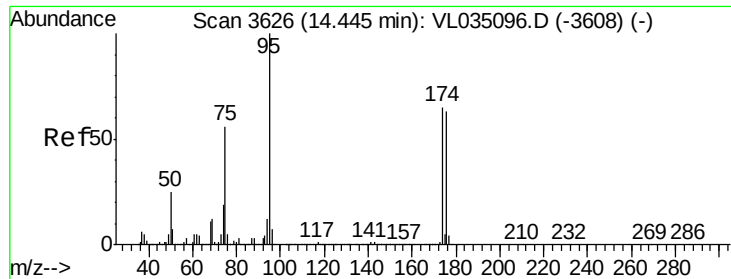
Tot Ion: 91 Resp: 9822
Ion Ratio Lower Upper
91 100
106 0.0 36.5 54.7#



#60
o-Xylene
Concen: 0.086 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.02 min
Lab File: VL035132.D
Acq: 30 Jun 2020 19:36

Tgt Ion: 91 Resp: 23223
Ion Ratio Lower Upper
91 100
106 52.2 22.1 66.5

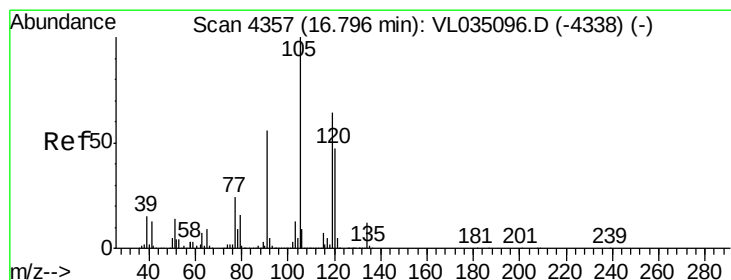
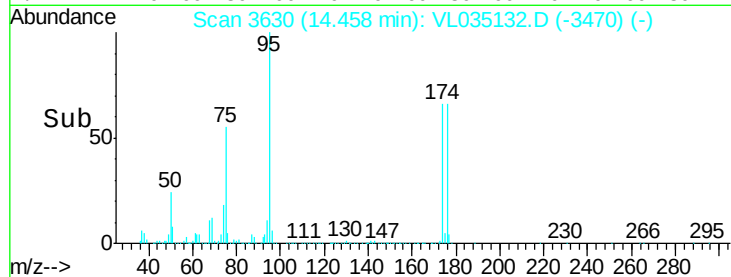
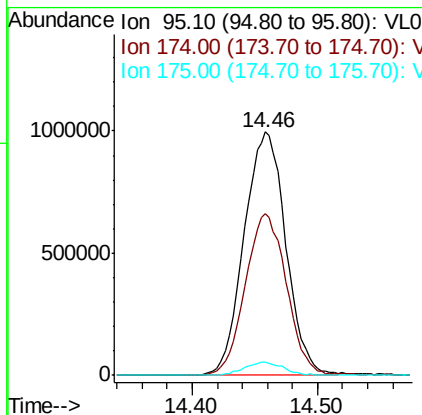
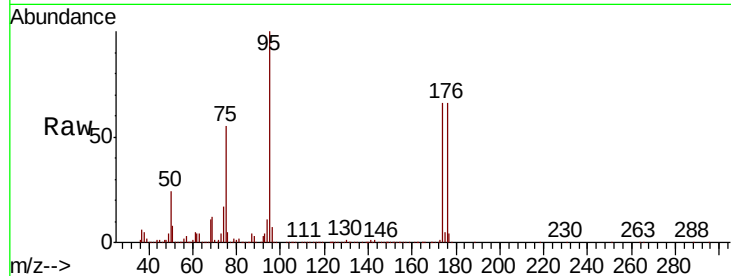




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.144 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.01 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

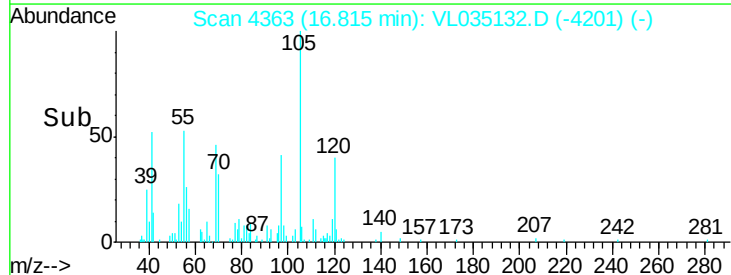
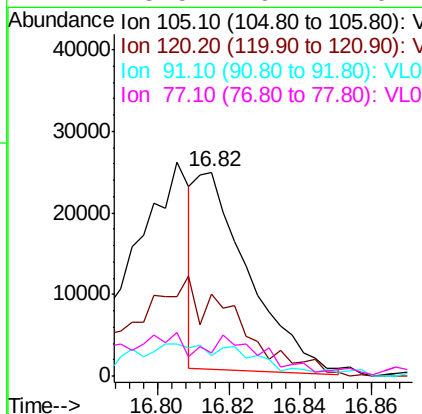
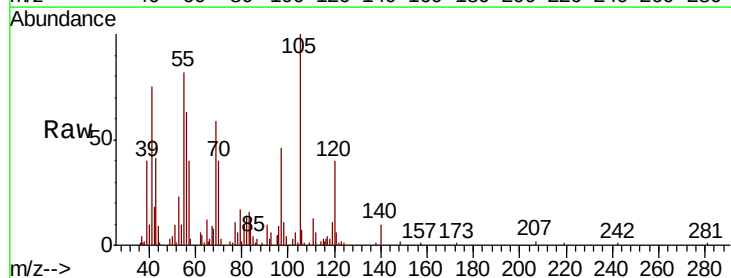
Instrument :
 MSVOA_L
 ClientSampleId :

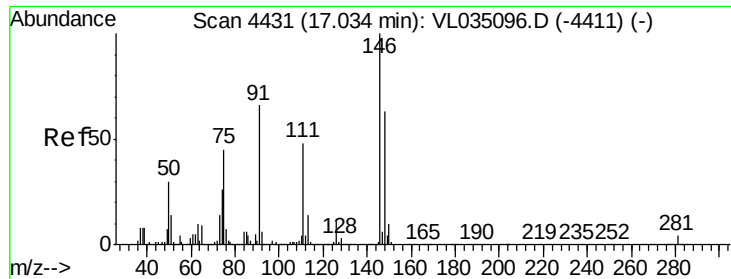
Tot Ion: 95 Resp: 2292397
 Ion Ratio Lower Upper
 95 100
 174 66.4 52.2 78.2
 175 5.2 4.0 6.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.078 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.02 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Tgt Ion: 105 Resp: 24800
 Ion Ratio Lower Upper
 105 100
 120 39.9 37.9 56.9
 91 8.4 46.0 69.0#
 77 8.5 19.4 29.2#

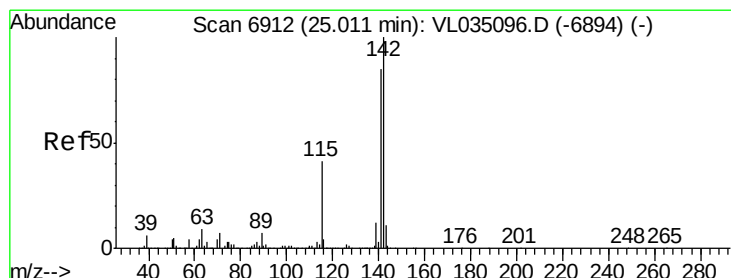
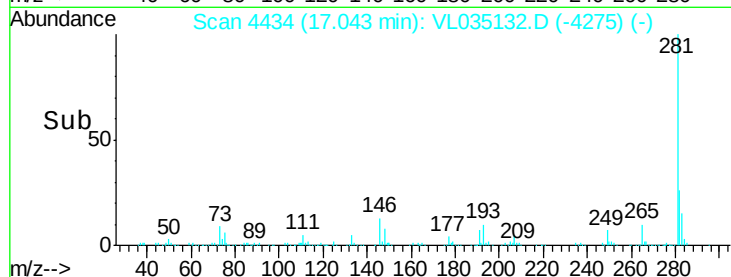
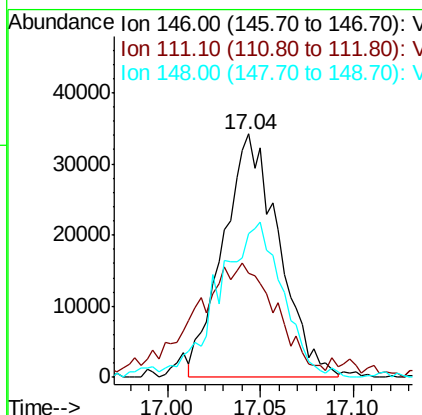
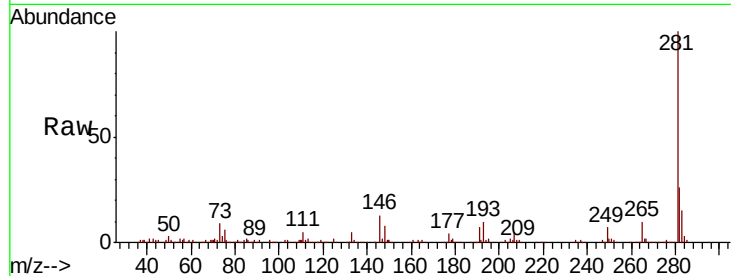




#75
 1,3-Dichlorobenzene
 Concen: 0.379 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.01 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 71510
 Ion Ratio Lower Upper
 146 100
 111 76.8 24.1 72.4#
 148 75.0 32.3 96.8



#80
 Naphthalene,2-methyl-
 Concen: 0.071 ppbv
 RT: 25.02 min Scan# 6916
 Delta R.T. 0.01 min
 Lab File: VL035132.D
 Acq: 30 Jun 2020 19:36

Tgt Ion:142 Resp: 7541
 Ion Ratio Lower Upper
 142 100
 141 107.7 67.5 101.3#
 115 43.7 33.8 50.8

