

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035621.D
 Acq On : 15 Sep 2020 5:14
 Operator : SY/AP
 Sample : L3983-03 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9

Quant Time: Sep 15 06:46:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	937171	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3957598	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	4054756	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3102526	10.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds					Ovalue
3) Chlorodifluoromethane	2.97	51	56417	0.544	ppbv 93
4) Chloromethane	3.12	50	11023	0.199	ppbv 94
7) Chloroethane	3.54	64	3128	0.129	ppbv # 81
9) Propene	2.99	41	72949	1.826	ppbv 93
10) Heptane	8.11	43	65873	0.614	ppbv 99
11) Trichlorofluoromethane	3.93	101	14991	0.063	ppbv 95
13) Ethanol	3.59	45	81580	8.234	ppbv 96
15) Acetone	3.83	43	8181458	79.154	ppbv # 71
16) 1,3-Butadiene	3.29	39	416604	10.827	ppbv # 3
17) tert-Butyl alcohol	4.28	59	234298	1.862	ppbv 99
19) Isopropyl Alcohol	3.95	45	66511	1.079	ppbv # 93
20) Methylene Chloride	4.33	84	209365	2.720	ppbv 97
23) Vinyl Acetate	5.05	43	91450	0.689	ppbv # 90
25) Ethyl Acetate	5.67	43	80220	0.439	ppbv # 79
26) Hexane	5.67	57	127237	1.230	ppbv # 42
30) Cyclohexane	7.11	84	5921	0.053	ppbv # 1
34) 2-Butanone	5.23	43	1152721	9.815	ppbv 99
36) Benzene	6.88	78	107483	0.420	ppbv 97
38) Trichloroethene	7.83	130	26292	0.177	ppbv 93
39) 1,2-Dichloropropane	7.16	63	723839	8.364	ppbv # 32
43) Methyl Methacrylate	8.05	69	26288	0.265	ppbv # 45
44) 2,2,4-Trimethylpentane	7.86	57	18034	0.054	ppbv # 4
50) 4-Methyl-2-Pentanone	8.73	43	1813037	10.661	ppbv 100
51) 2-Hexanone	10.12	43	426929	3.060	ppbv # 97
52) Tetrachloroethene	11.21	164	1638310	10.947	ppbv 98
53) Toluene	9.80	91	4887596	15.171	ppbv 98
58) Ethyl Benzene	12.70	91	380979	0.911	ppbv 92
59) m/p-Xylene	12.96	91	1271162	3.638	ppbv 96
60) o-Xylene	13.68	91	471464	1.340	ppbv 96
61) Styrene	13.53	104	18953	0.070	ppbv # 93
62) Isopropylbenzene	14.66	105	20595	0.036	ppbv # 70
64) n-propylbenzene	15.56	120	48386	0.280	ppbv # 53
65) tert-Butylbenzene	16.75	119	40592	0.077	ppbv # 38
69) p-Isopropyltoluene	17.65	119	32206	0.052	ppbv # 70
70) n-Butylbenzene	18.56	91	106624	0.180	ppbv # 66
72) 4-Ethyltoluene	15.84	105	261749	0.585	ppbv 96
73) 1,3,5-Trimethylbenzene	16.00	105	174438	0.422	ppbv 93
74) 1,2,4-Trimethylbenzene	16.76	105	721392	1.588	ppbv # 70
79) Naphthalene	22.21	128	99102	0.197	ppbv # 93
80) Naphthalene,2-methyl-	24.99	142	16766	0.097	ppbv 96

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QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

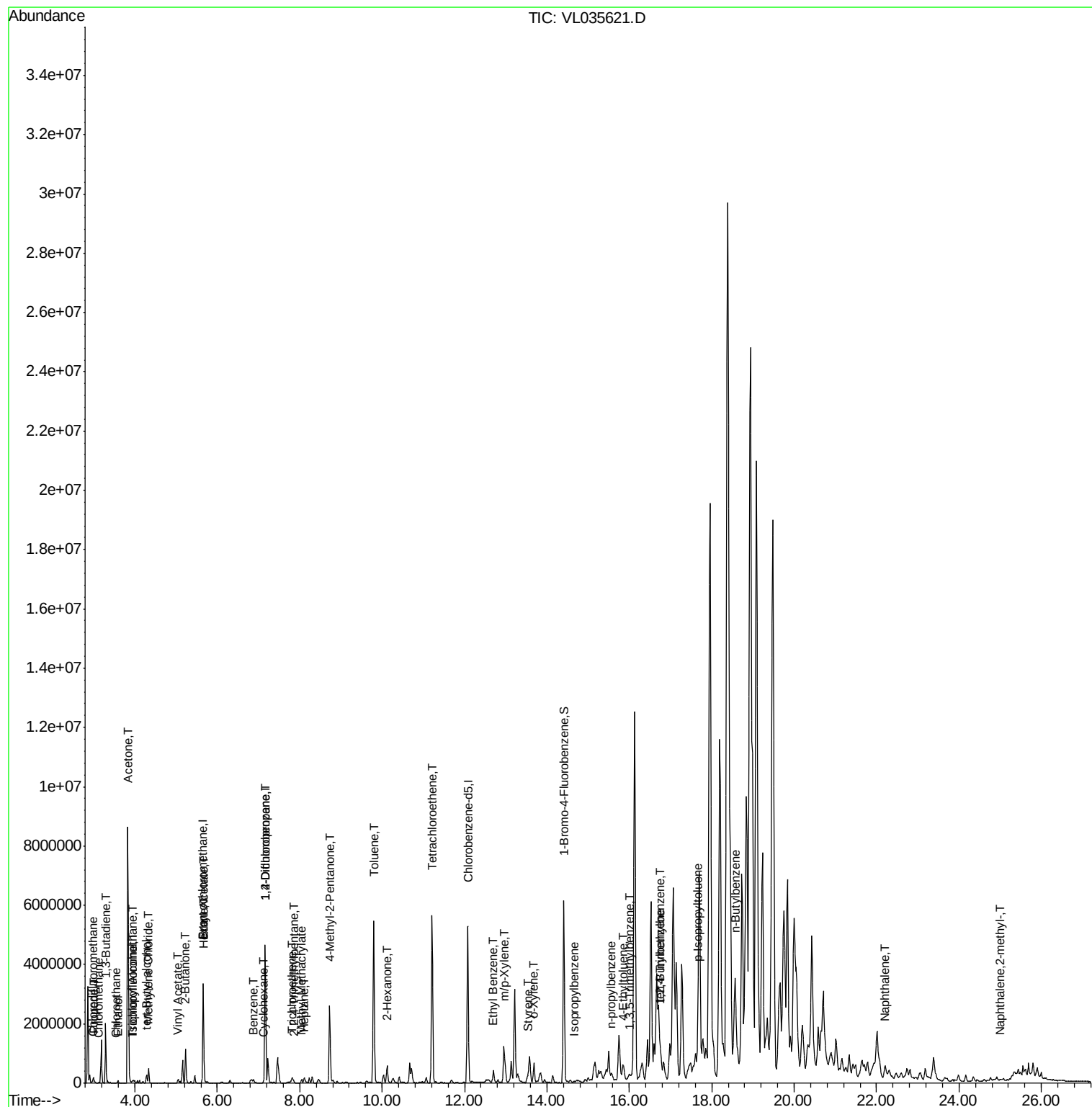
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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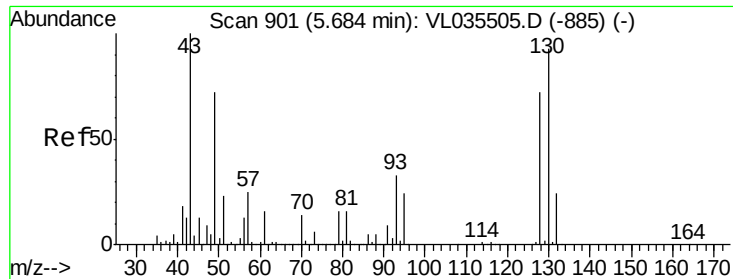
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091420\
Data File : VL035621.D
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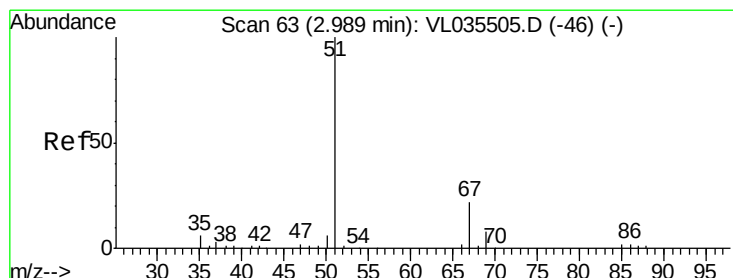
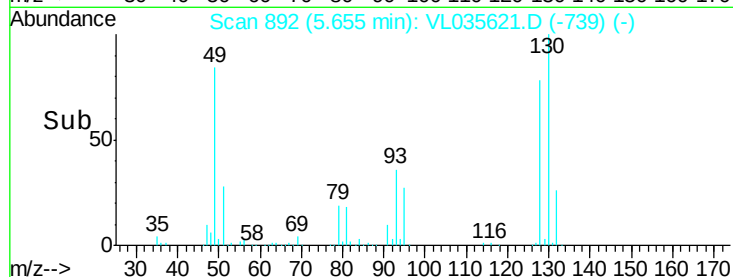
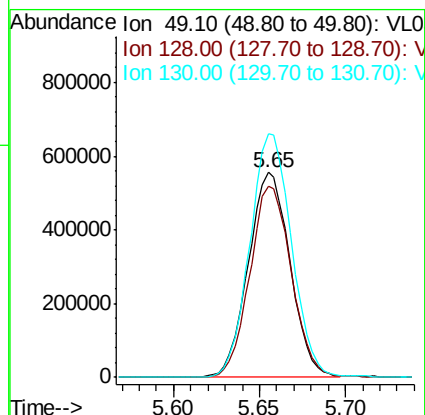
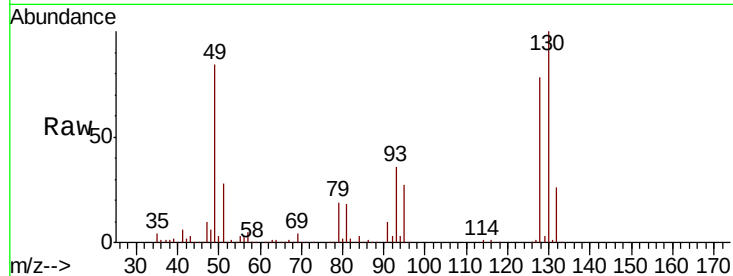




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

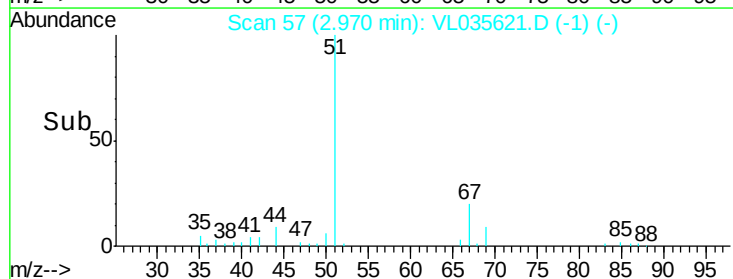
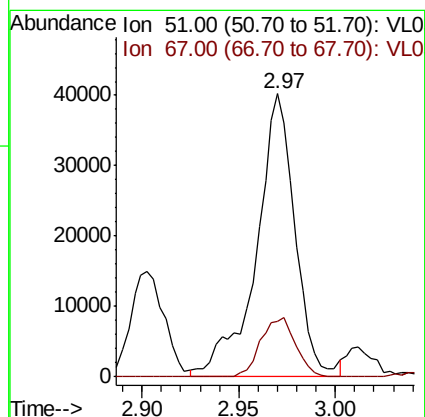
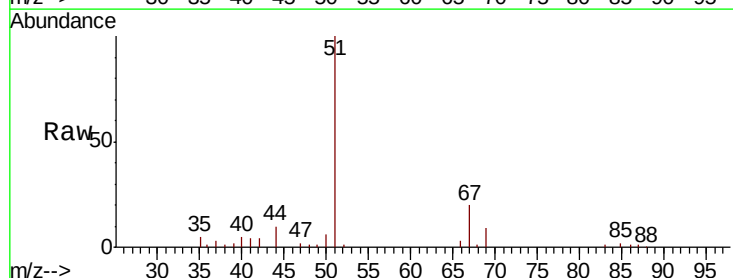
Instrument :
MSVOA_L
ClientSampled :
SV-9

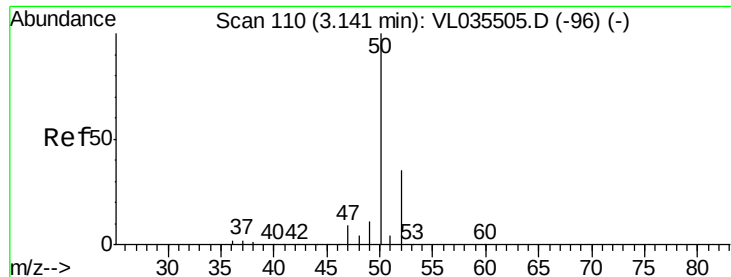
Tot Ion: 49 Resp: 937171
Ion Ratio Lower Upper
49 100
128 93.2 50.0 150.1
130 119.4 64.4 193.2



#3
Chlorodifluoromethane
Concen: 0.544 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.00 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion: 51 Resp: 56417
Ion Ratio Lower Upper
51 100
67 18.8 17.8 26.8





#4

Chloromethane

Concen: 0.199 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

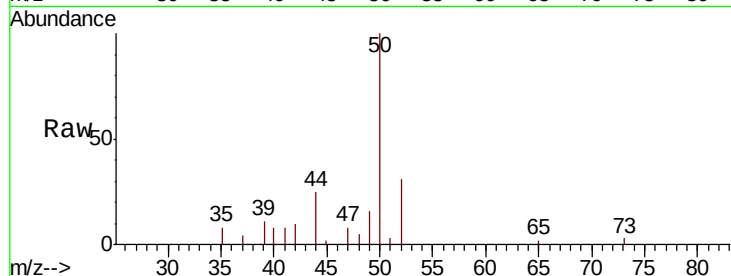
SV-9

Tot Ion: 50 Resp: 11023

Ion Ratio Lower Upper

50 100

52 31.1 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

8000

6000

4000

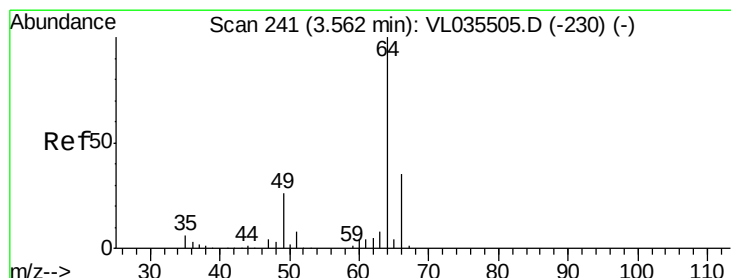
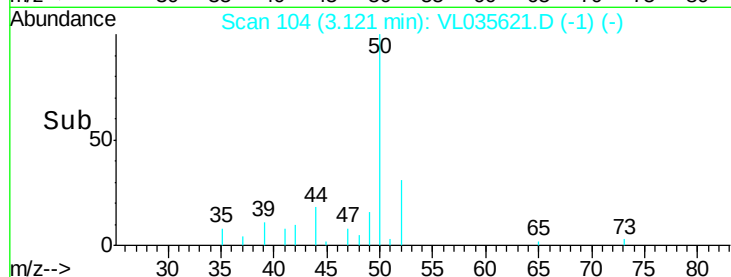
2000

0

Time-->

3.10

3.15



#7

Chloroethane

Concen: 0.129 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.01 min

Lab File: VL035621.D

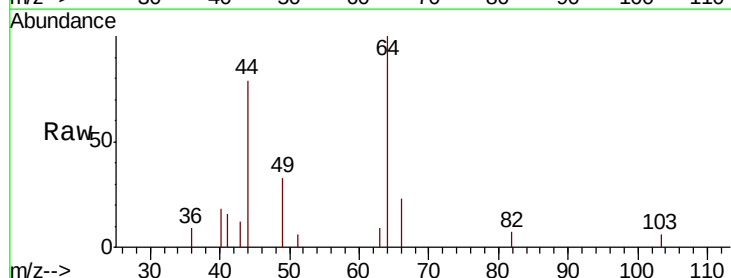
Acq: 15 Sep 2020 5:14

Tgt Ion: 64 Resp: 3128

Ion Ratio Lower Upper

64 100

66 23.5 27.7 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3000

2500

2000

1500

1000

500

0

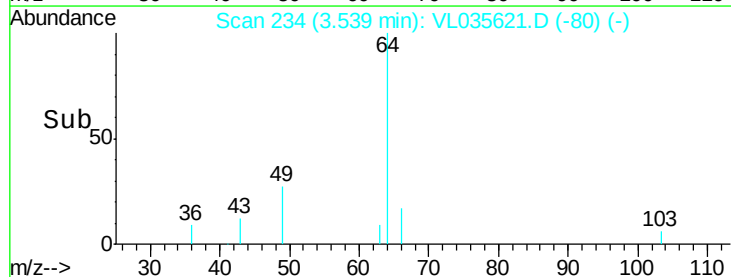
Time-->

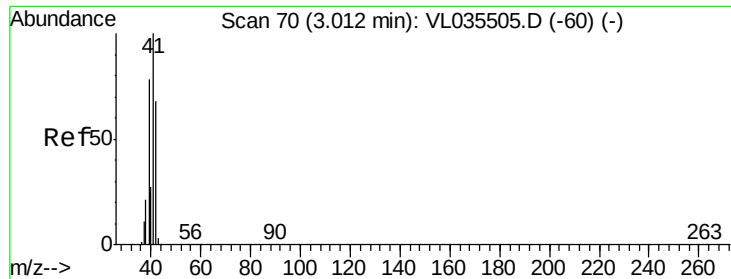
3.50

3.52

3.54

3.56





#9

Propene

Concen: 1.826 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

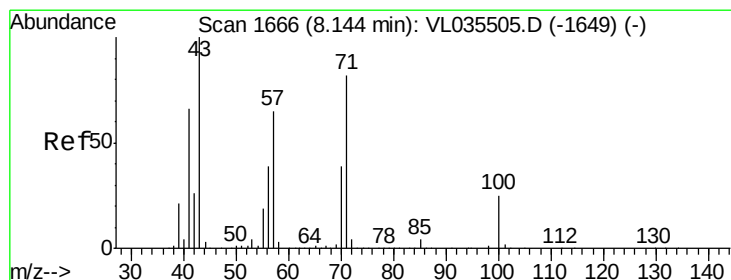
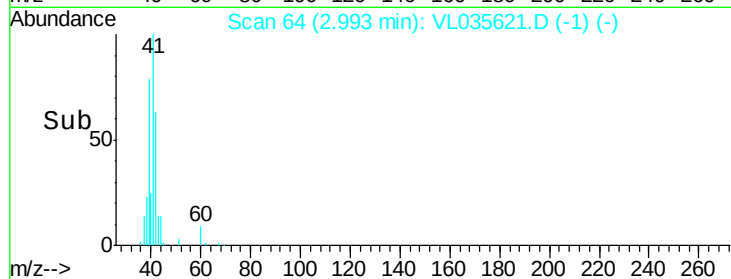
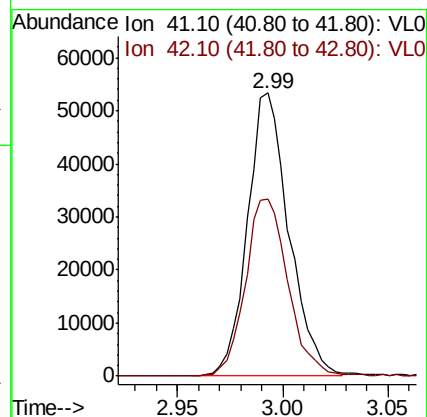
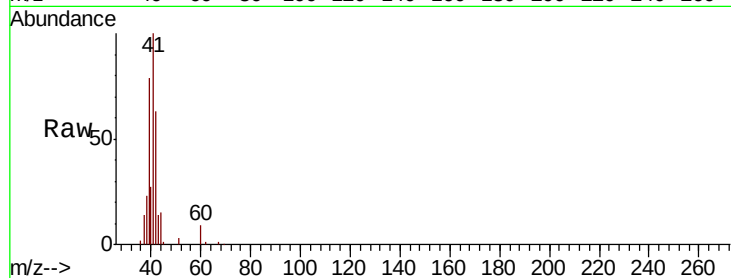
SV-9

Tot Ion: 41 Resp: 72949

Ion Ratio Lower Upper

41 100

42 64.3 56.3 84.5



#10

Heptane

Concen: 0.614 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL035621.D

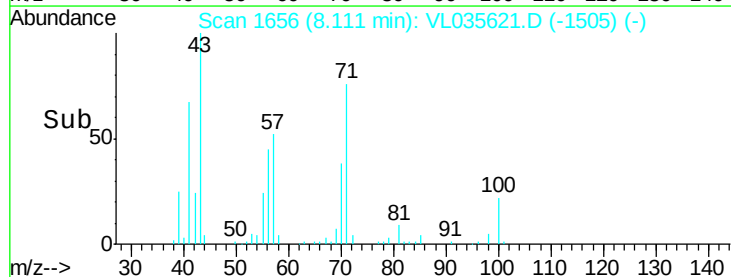
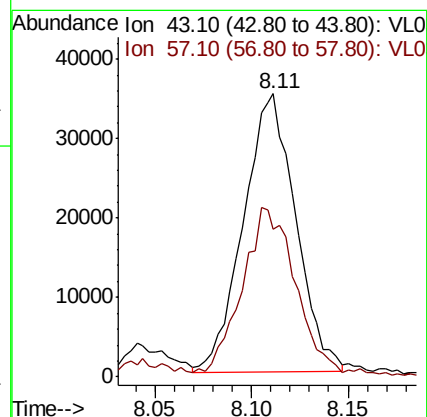
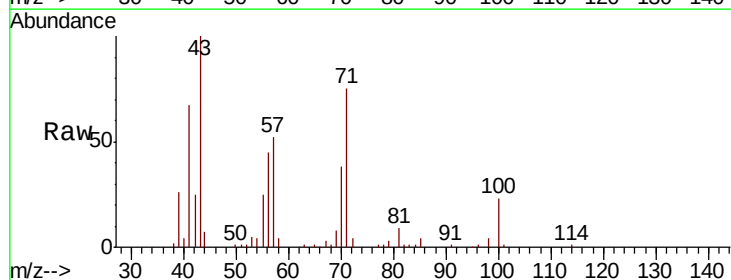
Acq: 15 Sep 2020 5:14

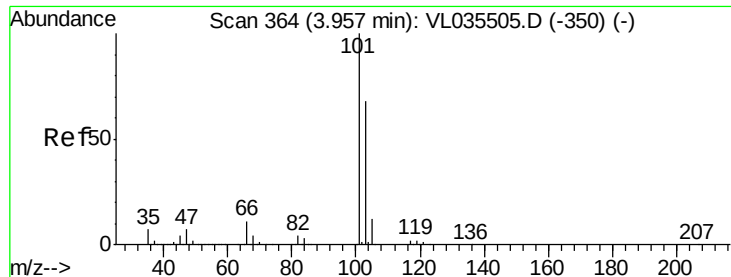
Tgt Ion: 43 Resp: 65873

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 0.063 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

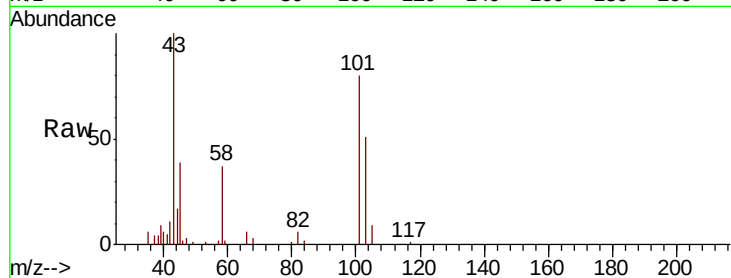
SV-9

Tot Ion:101 Resp: 14991

Ion Ratio Lower Upper

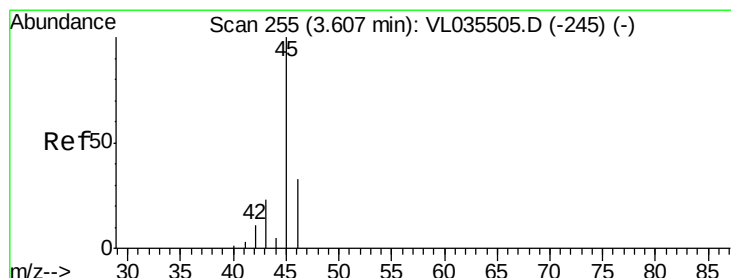
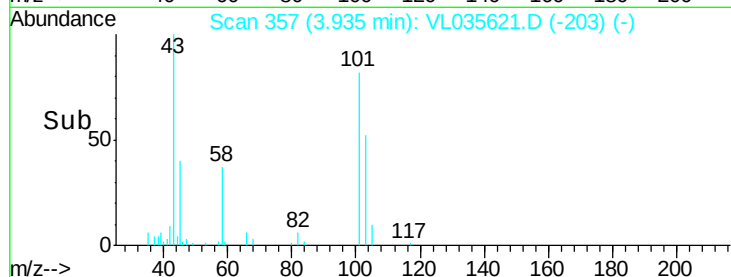
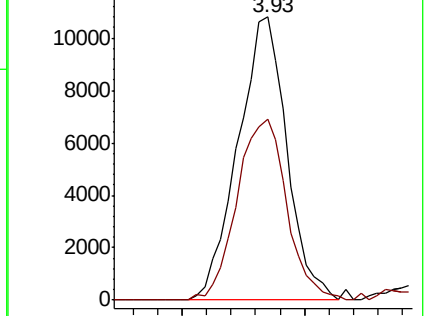
101 100

103 64.0 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 8.234 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.01 min

Lab File: VL035621.D

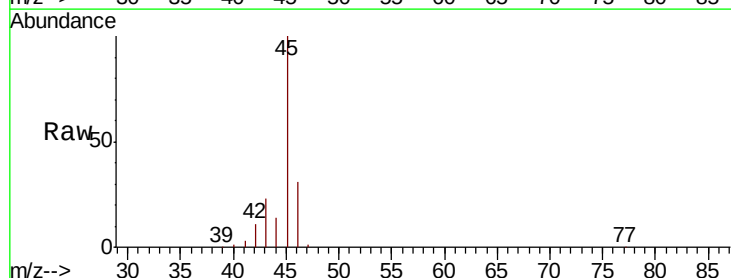
Acq: 15 Sep 2020 5:14

Tgt Ion: 45 Resp: 81580

Ion Ratio Lower Upper

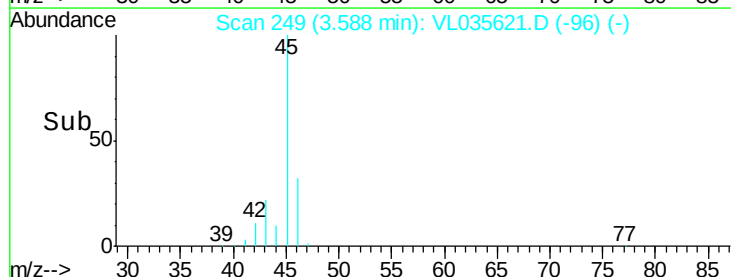
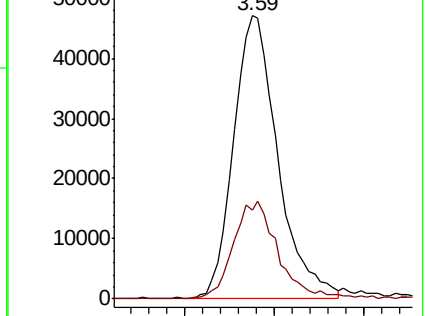
45 100

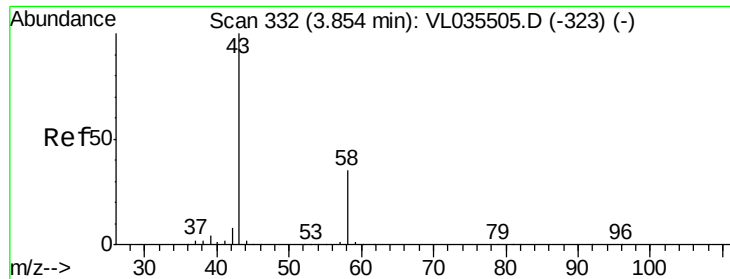
46 35.2 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 79.154 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

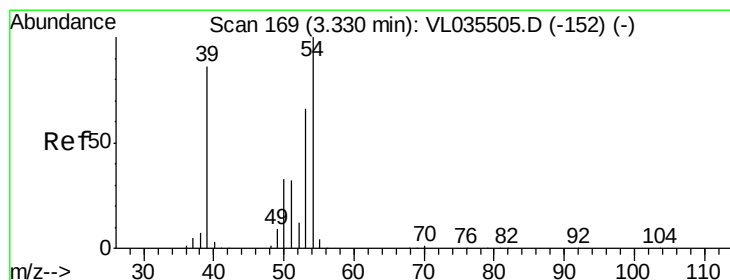
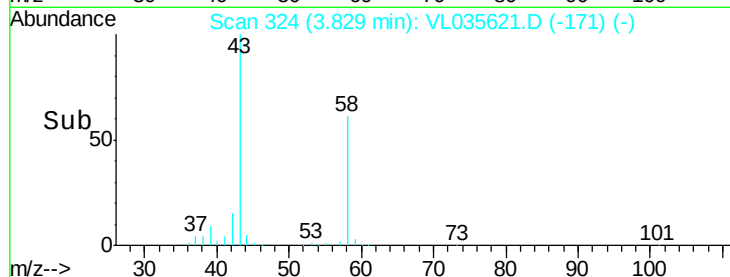
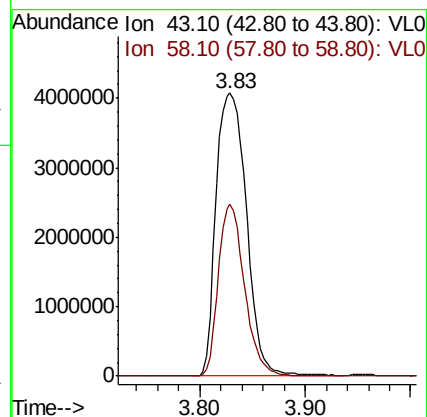
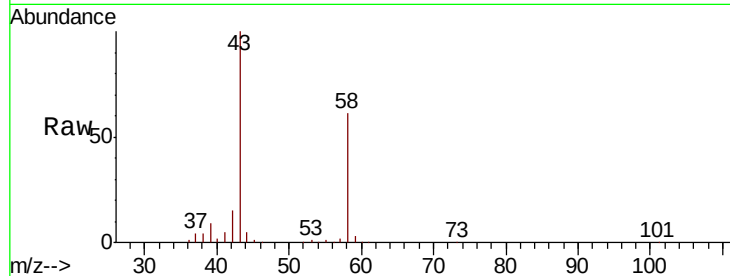
SV-9

Tot Ion: 43 Resp: 8181458

Ion Ratio Lower Upper

43 100

58 52.2 28.4 42.6#



#16

1,3-Butadiene

Concen: 10.827 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.03 min

Lab File: VL035621.D

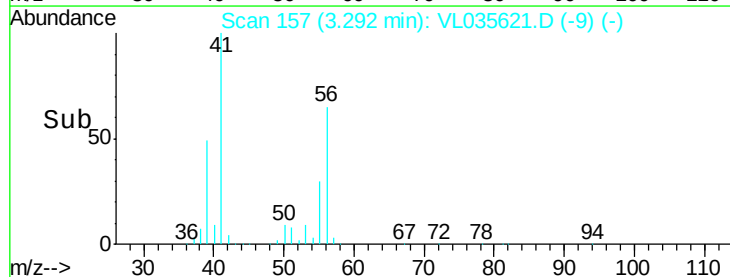
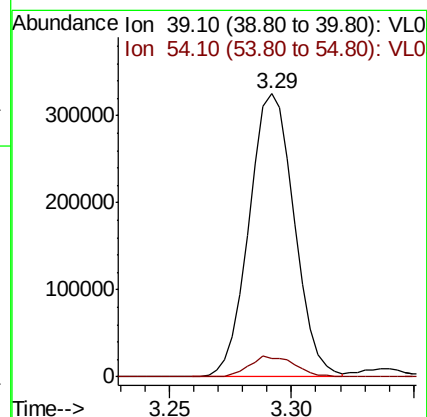
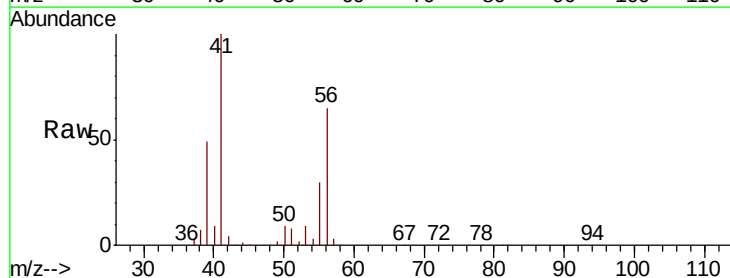
Acq: 15 Sep 2020 5:14

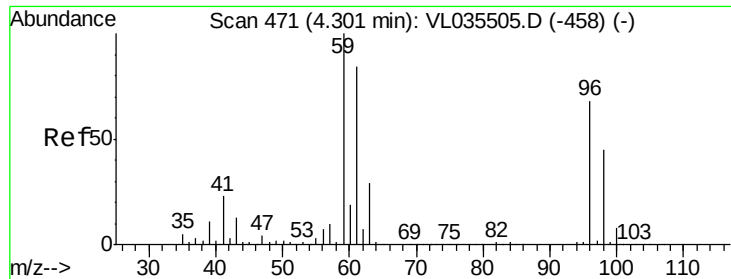
Tgt Ion: 39 Resp: 416604

Ion Ratio Lower Upper

39 100

54 7.4 88.4 132.6#





#17

tert-Butyl alcohol

Concen: 1.862 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

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ClientSampleId :

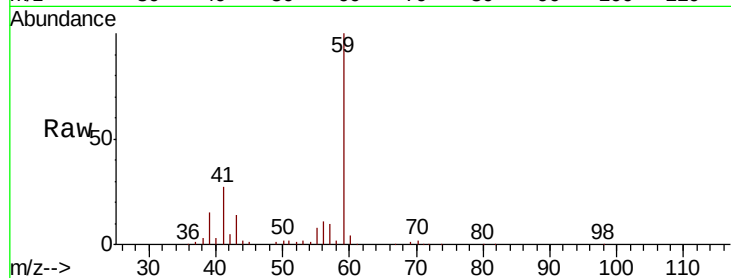
SV-9

Tot Ion: 59 Resp: 234298

Ion Ratio Lower Upper

59 100

57 10.9 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

150000

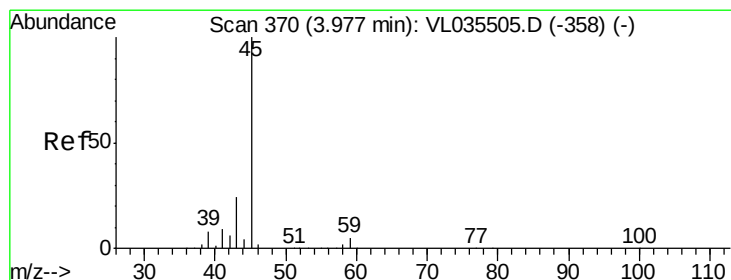
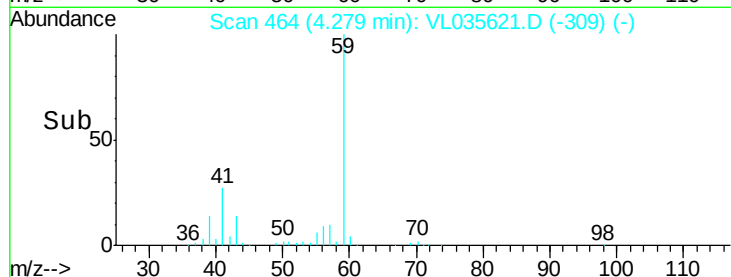
100000

50000

0

Time-->

4.20 4.25 4.30 4.35



#19

Isopropyl Alcohol

Concen: 1.079 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL035621.D

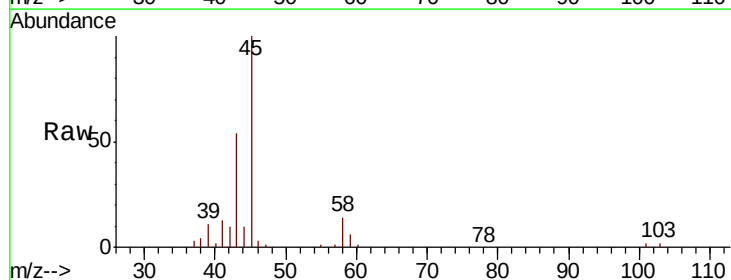
Acq: 15 Sep 2020 5:14

Tgt Ion: 45 Resp: 66511

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

40000

30000

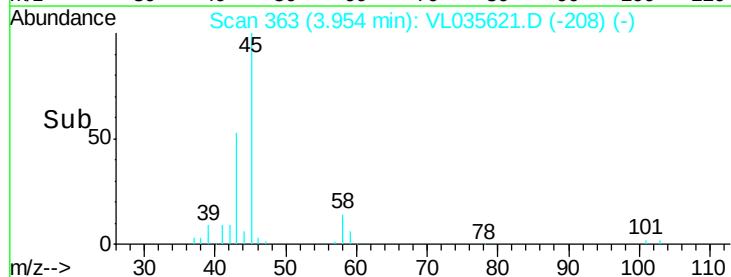
20000

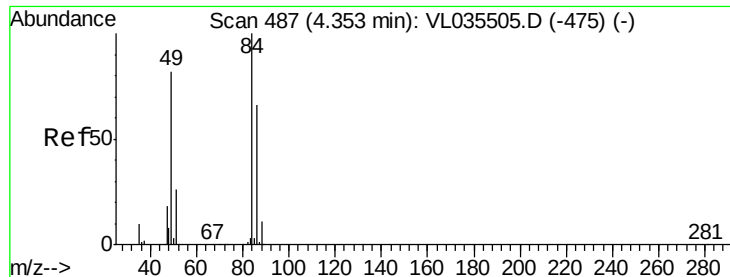
10000

0

Time-->

3.90 3.95 4.00

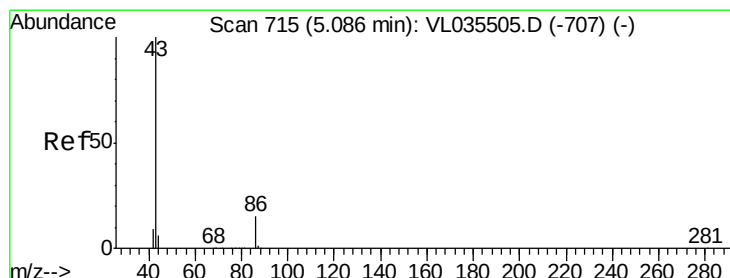
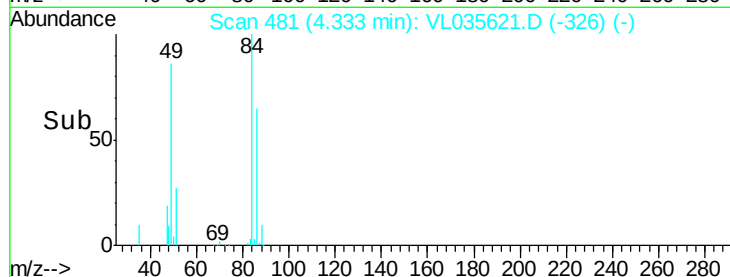
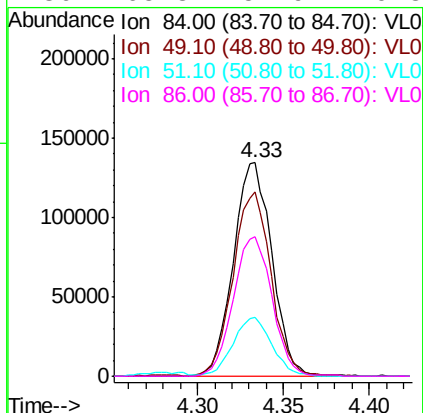
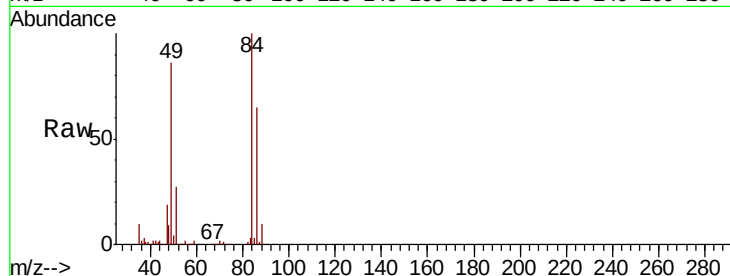




#20
Methvlene Chloride
Concen: 2.720 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

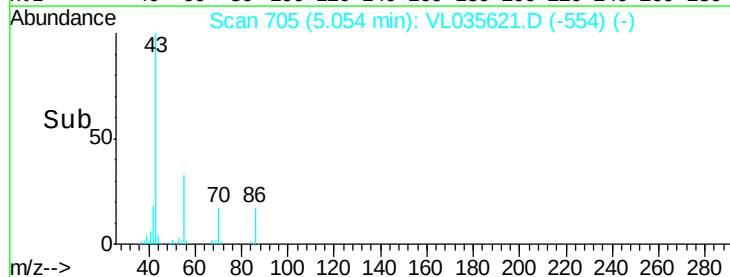
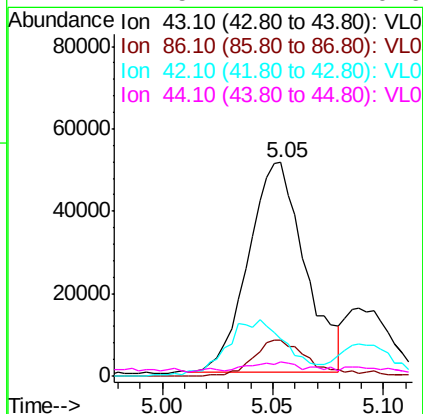
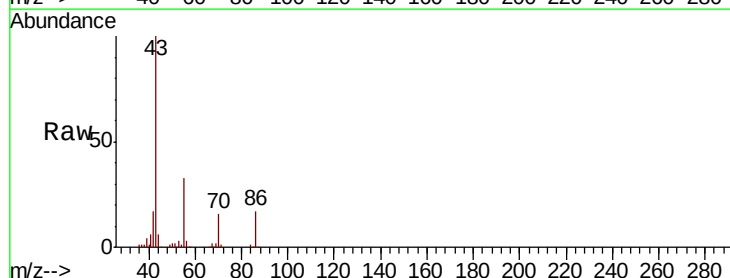
Instrument :
MSVOA_L
ClientSampleId :
SV-9

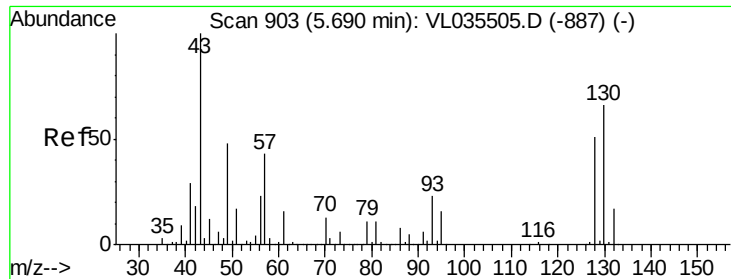
Tot Ion:	84	Resp:	209365
Ion	Ratio	Lower	Upper
84	100		
49	86.0	65.4	98.0
51	27.2	21.5	32.3
86	65.3	52.9	79.3



#23
Vinyl Acetate
Concen: 0.689 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion:	43	Resp:	91450
Ion	Ratio	Lower	Upper
43	100		
86	17.1	10.6	16.0#
42	15.3	7.5	11.3#
44	4.5	4.4	6.6

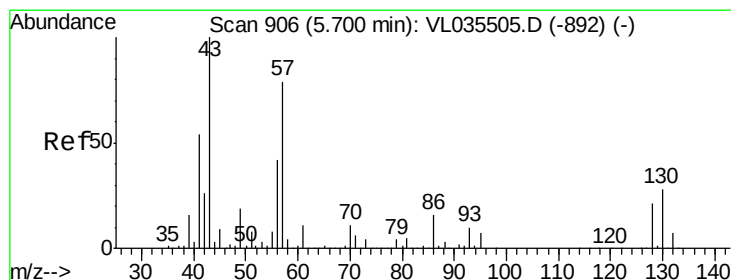
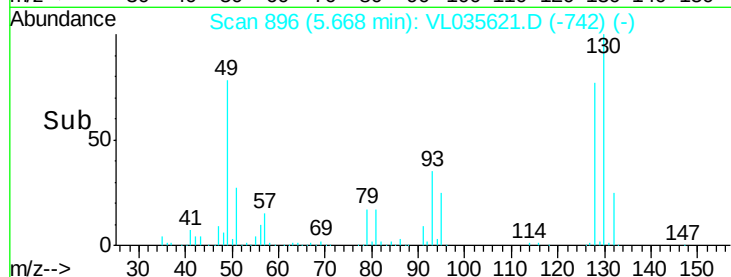
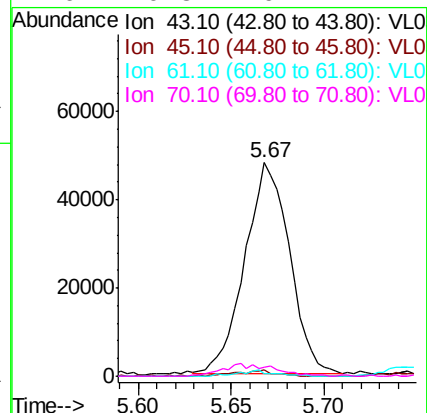
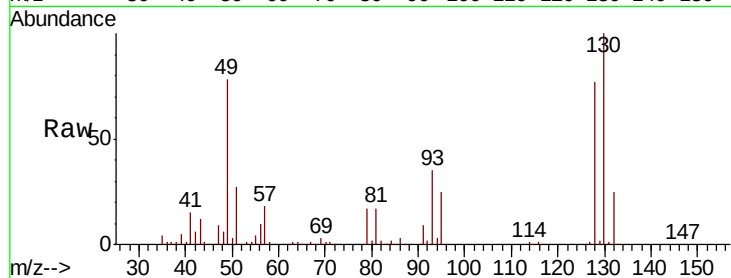




#25
Ethyl Acetate
Concen: 0.439 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

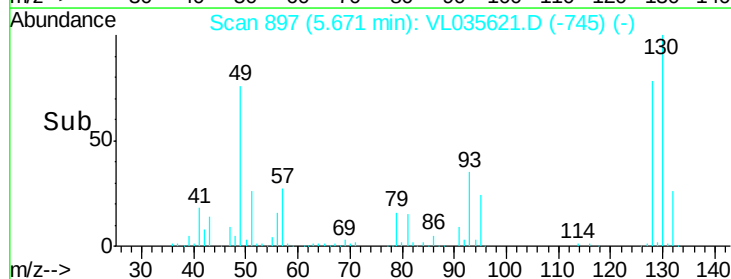
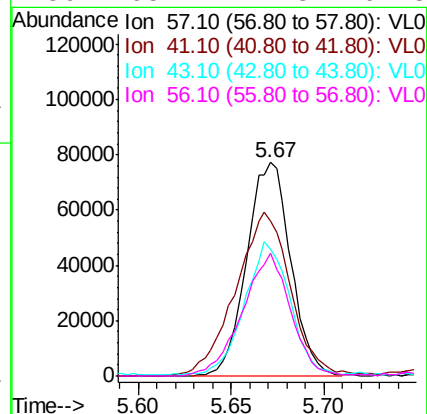
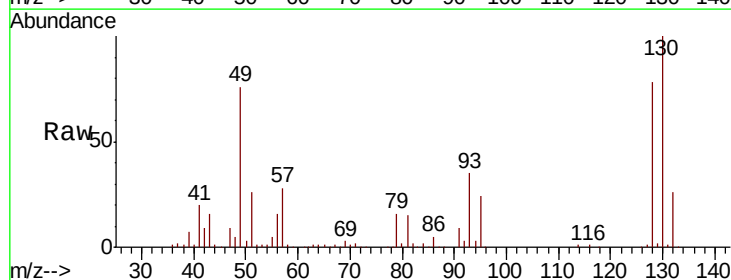
Instrument :
MSVOA_L
ClientSampled :
SV-9

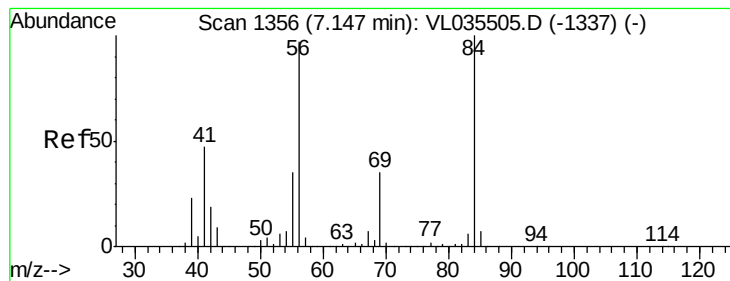
Tot Ion:	43	Resp:	80220
Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.4	12.6#
61	2.3	10.6	16.0#
70	6.8	9.4	14.2#



#26
Hexane
Concen: 1.230 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion:	57	Resp:	127237
Ion	Ratio	Lower	Upper
57	100		
41	95.6	55.9	83.9#
43	64.2	141.8	212.8#
56	63.1	41.8	62.8#





#30

Cyclohexane

Concen: 0.053 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.02 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

SV-9

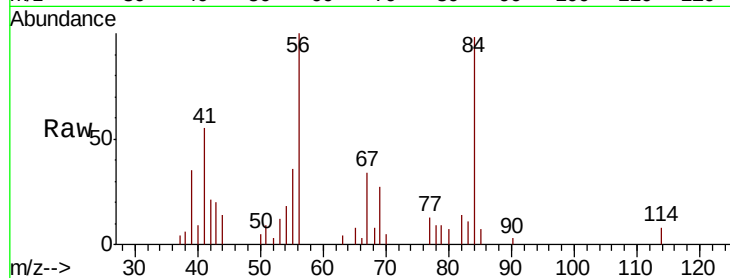
Tot Ion: 84 Resp: 5921

Ion Ratio Lower Upper

84 100

56 0.0 80.1 120.1#

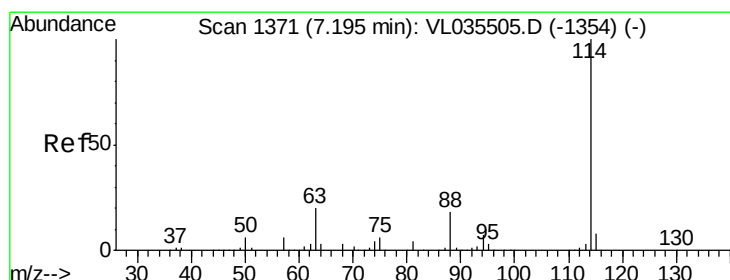
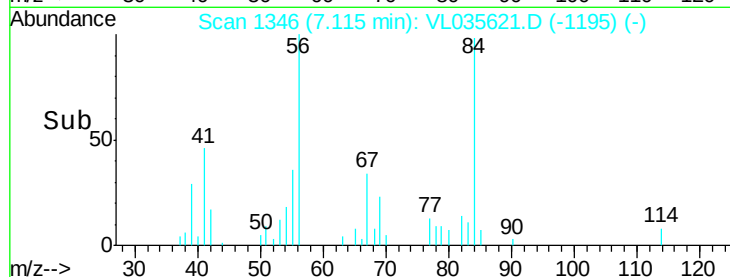
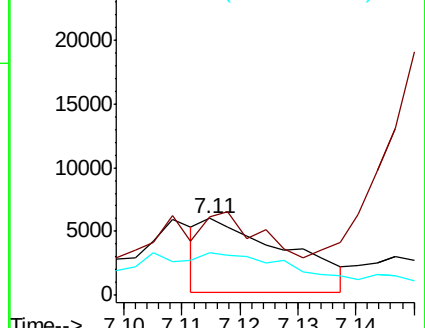
41 125.1 38.1 57.1#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

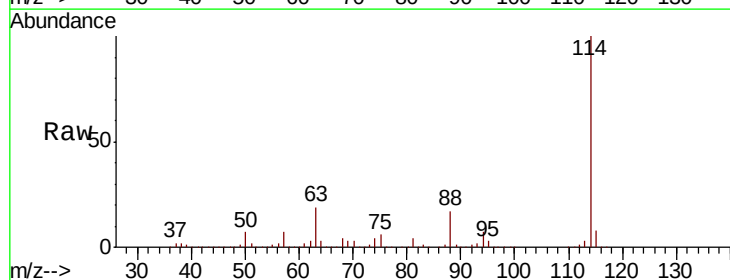
Tgt Ion: 114 Resp: 3957598

Ion Ratio Lower Upper

114 100

63 18.4 14.7 22.1

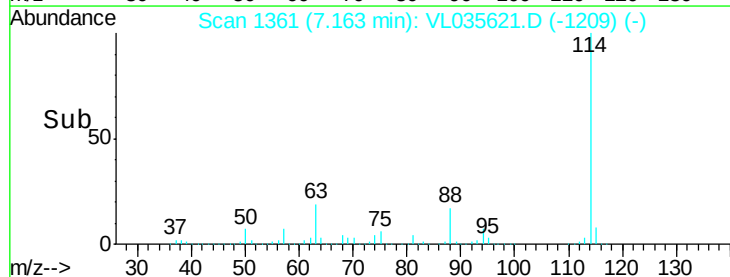
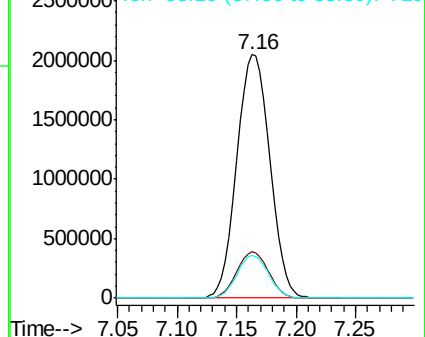
88 16.8 13.4 20.2

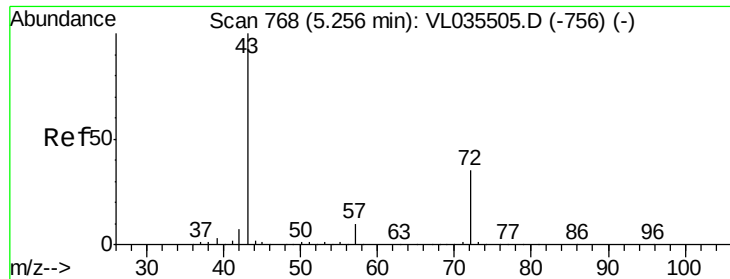


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

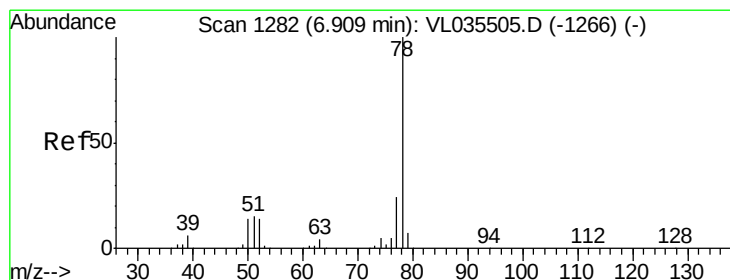
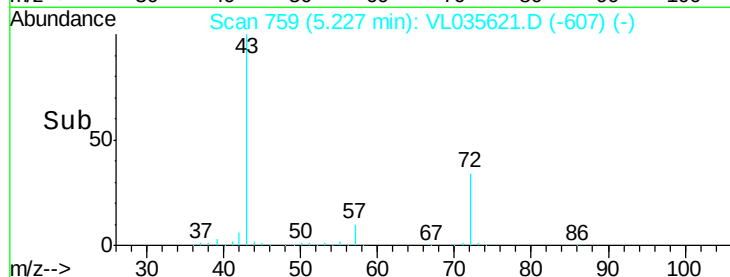
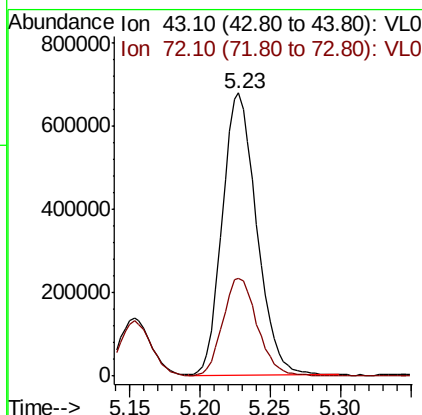
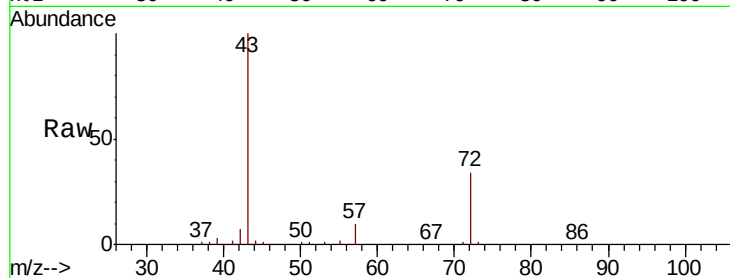




#34
 2-Butanone
 Concen: 9.815 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL035621.D
 Acq: 15 Sep 2020 5:14

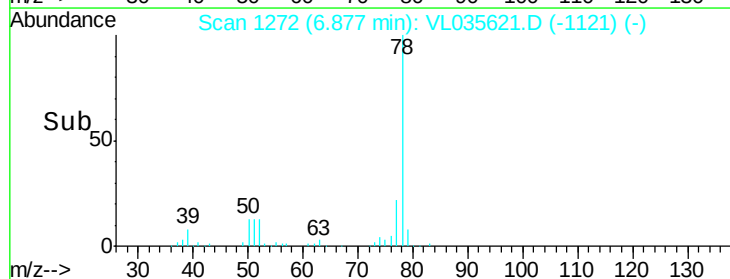
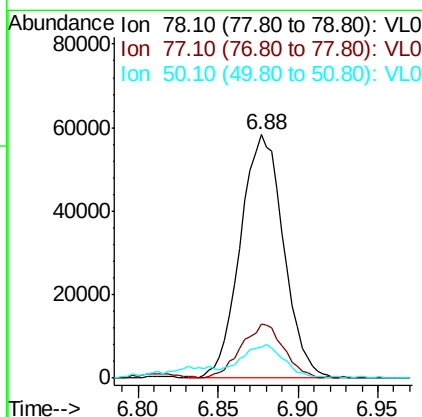
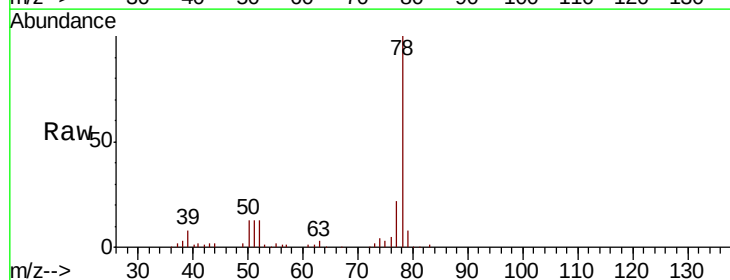
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9

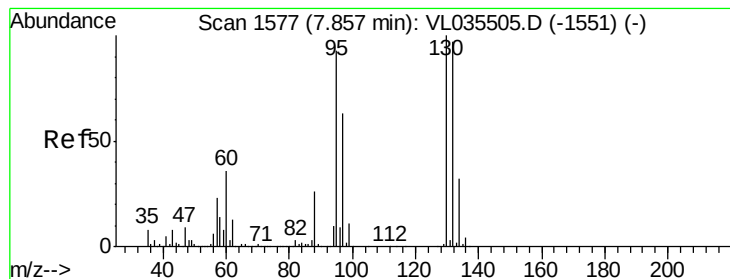
Tot Ion: 43 Resp: 1152721
 Ion Ratio Lower Upper
 43 100
 72 35.2 27.7 41.5



#36
 Benzene
 Concen: 0.420 ppbv
 RT: 6.88 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: VL035621.D
 Acq: 15 Sep 2020 5:14

Tgt Ion: 78 Resp: 107483
 Ion Ratio Lower Upper
 78 100
 77 22.5 19.3 28.9
 50 12.2 11.0 16.6





#38

Trichloroethene

Concen: 0.177 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

SV-9

Tot Ion:130 Resp: 26292

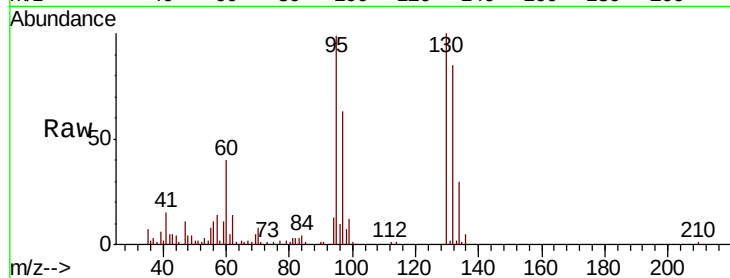
Ion Ratio Lower Upper

130 100

95 98.0 74.6 112.0

132 84.8 77.6 116.4

97 61.2 50.6 76.0

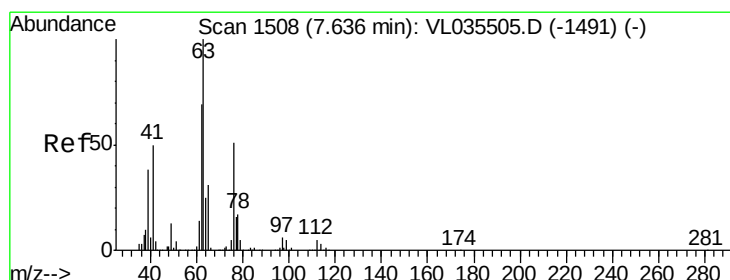
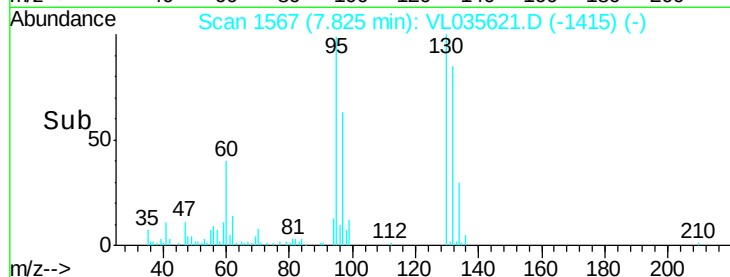
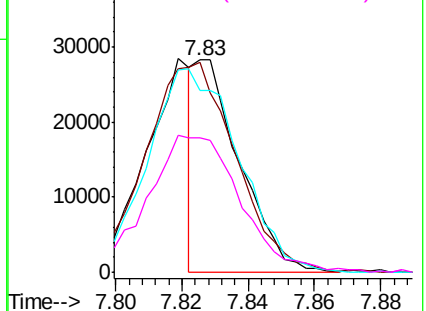


Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.364 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.45 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

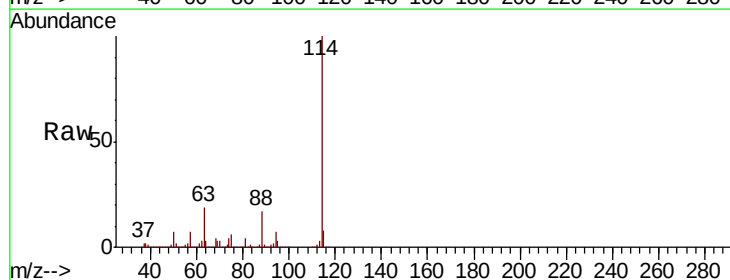
Tgt Ion: 63 Resp: 723839

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

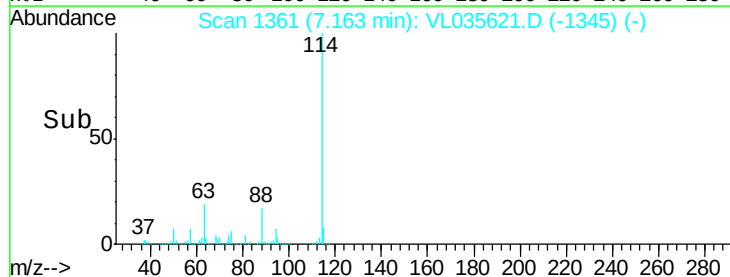
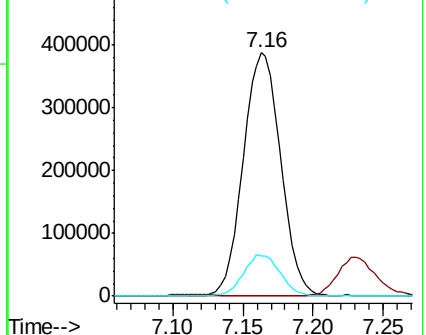
62 16.4 55.4 83.0#

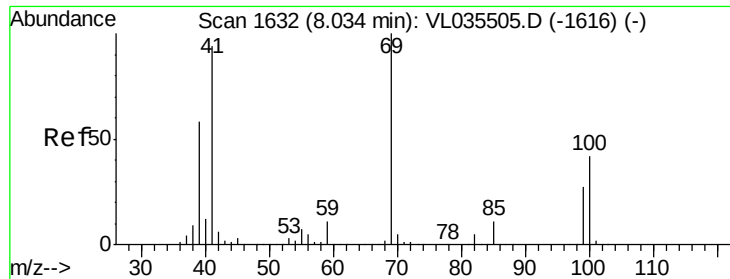


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

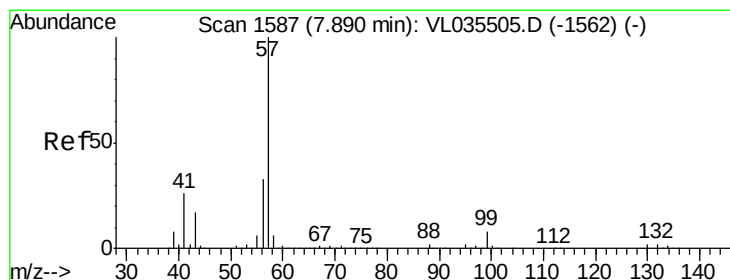
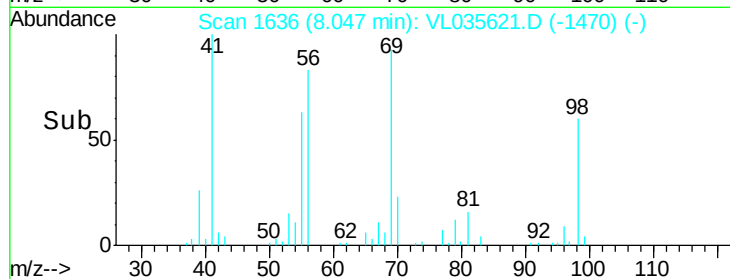
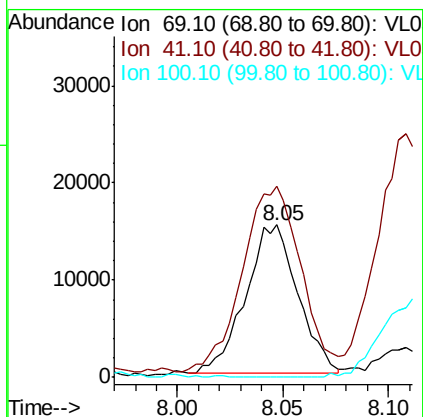
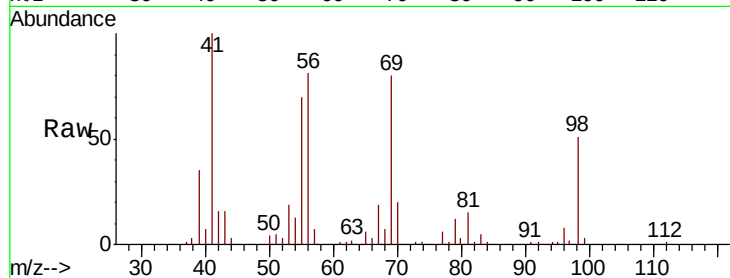




#43
Methvl Methacrylate
Concen: 0.265 ppbv
RT: 8.05 min Scan# 1636
Delta R.T. 0.03 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

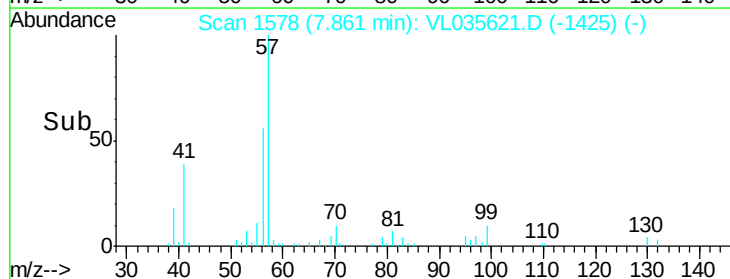
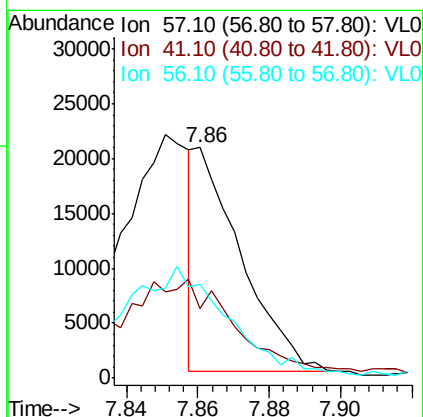
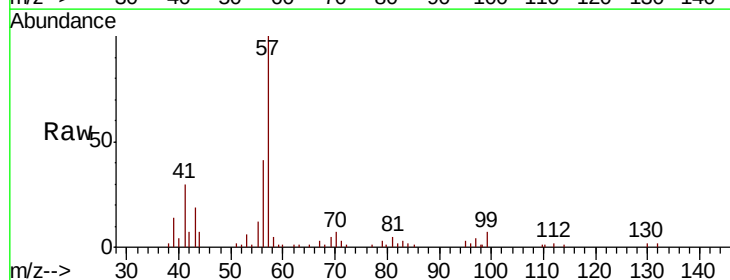
Instrument :
MSVOA_L
ClientSampleId :
SV-9

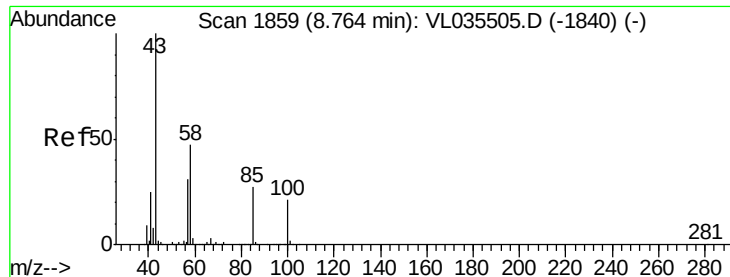
Tot Ion: 69 Resp: 26288
Ion Ratio Lower Upper
69 100
41 143.8 76.6 114.8#
100 0.0 33.8 50.6#



#44
2,2,4-Trimethylpentane
Concen: 0.054 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion: 57 Resp: 18034
Ion Ratio Lower Upper
57 100
41 98.4 20.5 30.7#
56 0.0 25.3 37.9#

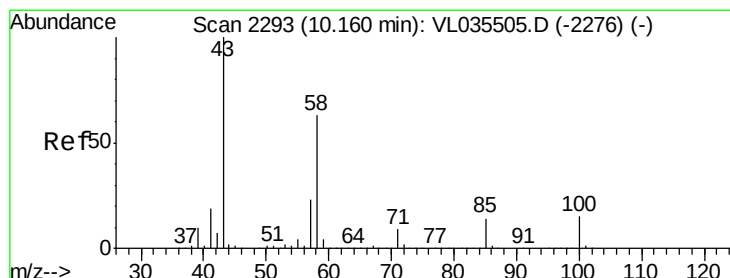
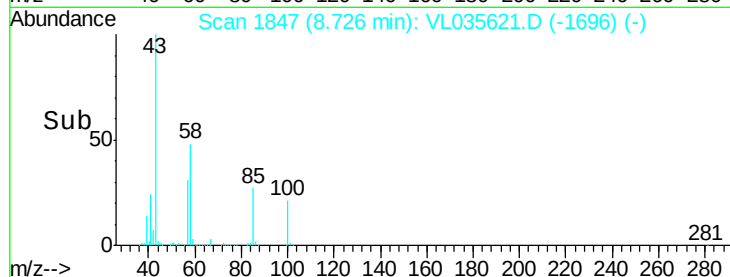
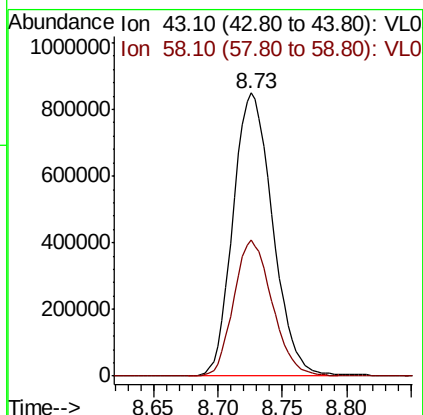
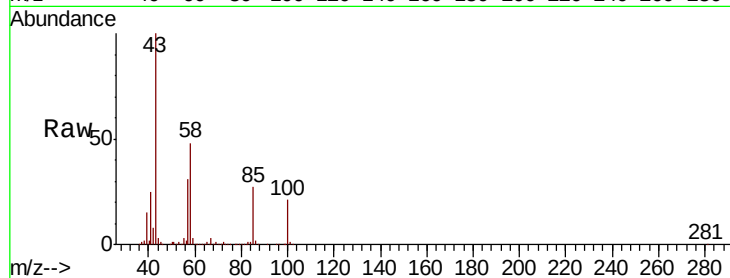




#50
4-Methyl-2-Pentanone
Concen: 10.661 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

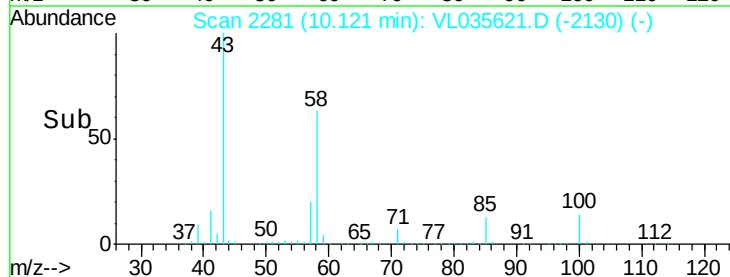
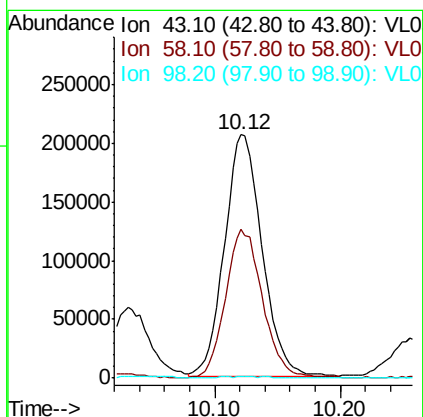
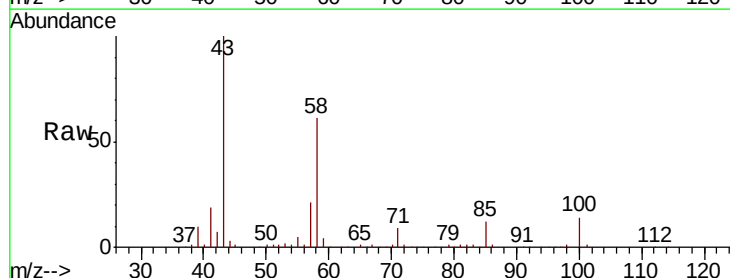
Instrument :
MSVOA_L
ClientSampled :
SV-9

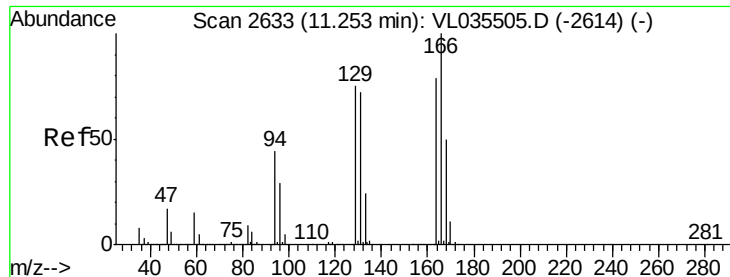
Tot Ion: 43 Resp: 1813037
Ion Ratio Lower Upper
43 100
58 46.7 37.4 56.0



#51
2-Hexanone
Concen: 3.060 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion: 43 Resp: 426929
Ion Ratio Lower Upper
43 100
58 60.8 50.2 75.4
98 1.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 10.947 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.02 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

SV-9

Tot Ion:164 Resp: 1638310

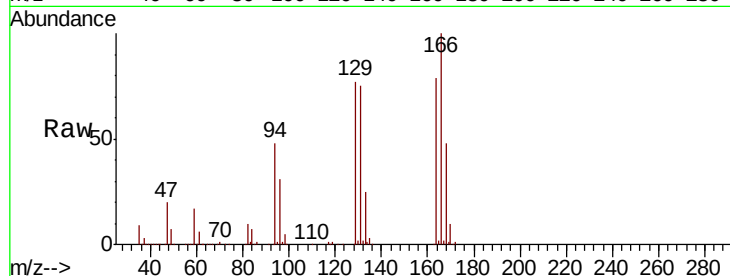
Ion Ratio Lower Upper

164 100

166 125.9 100.9 151.3

129 97.2 75.3 112.9

131 94.3 73.0 109.4



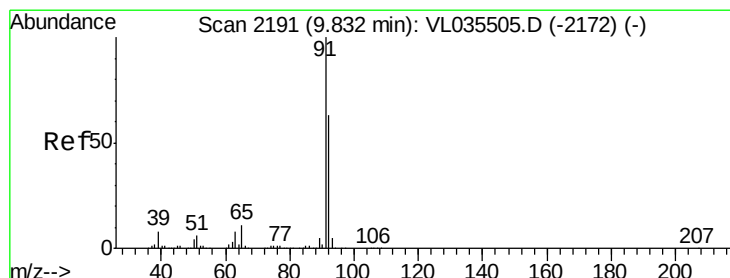
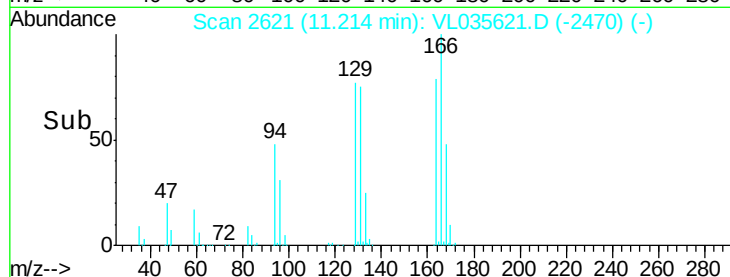
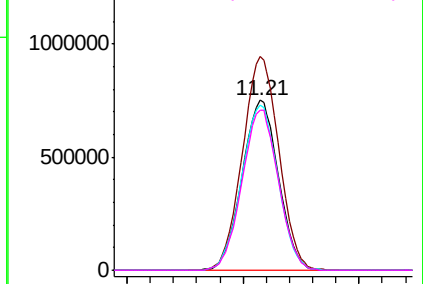
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 15.171 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL035621.D

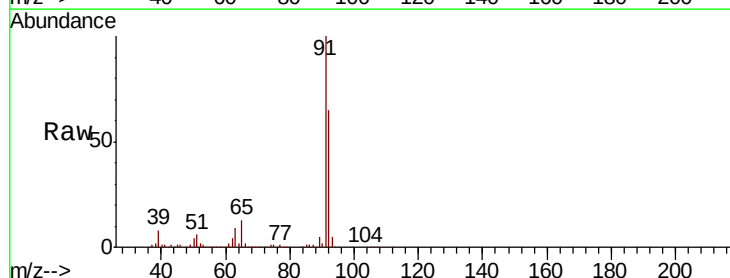
Acq: 15 Sep 2020 5:14

Tgt Ion: 91 Resp: 4887596

Ion Ratio Lower Upper

91 100

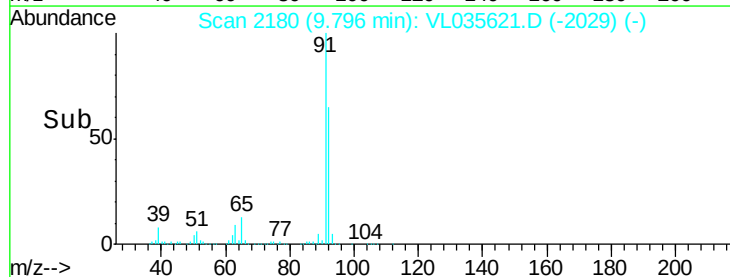
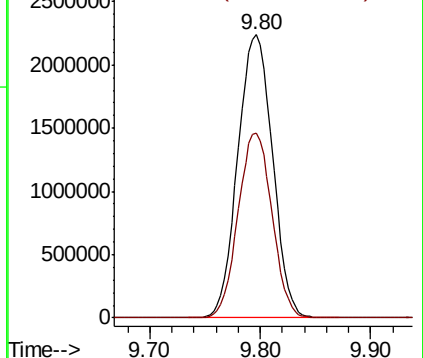
92 63.8 49.8 74.8

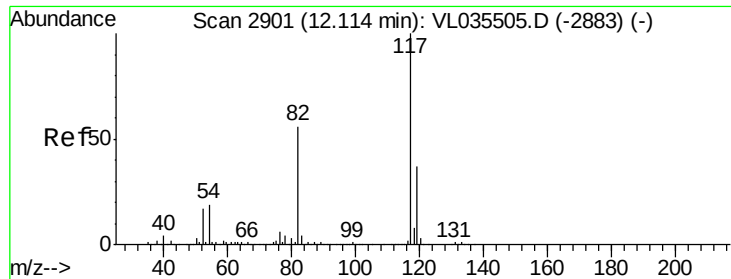


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

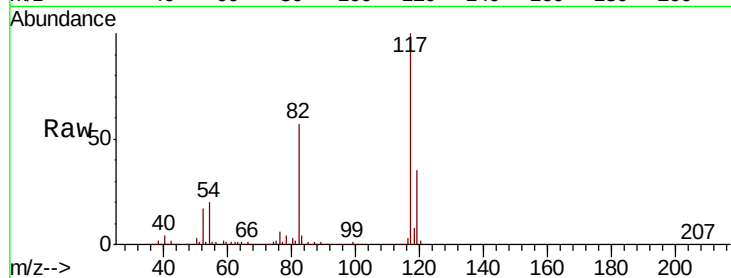




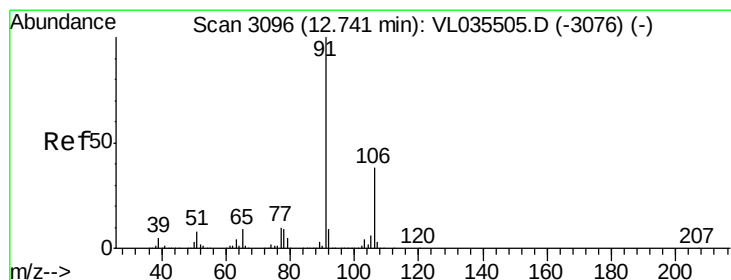
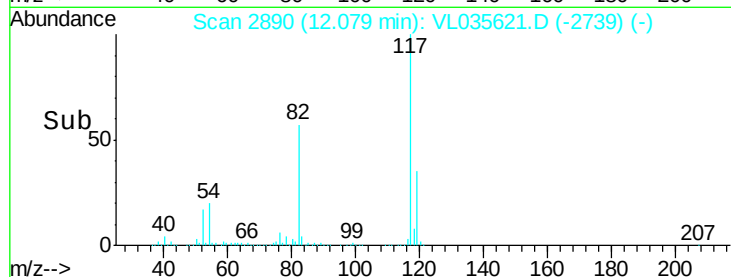
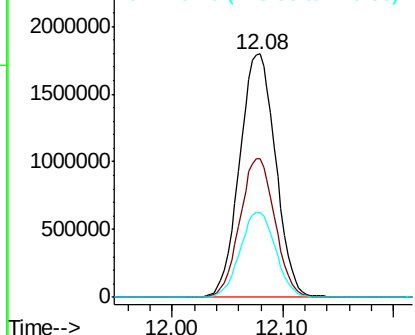
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Instrument :
MSVOA_L
ClientSampleId :
SV-9

Tot Ion:117 Resp: 4054756
Ion Ratio Lower Upper
117 100
82 55.7 41.6 62.4
119 34.3 29.3 43.9

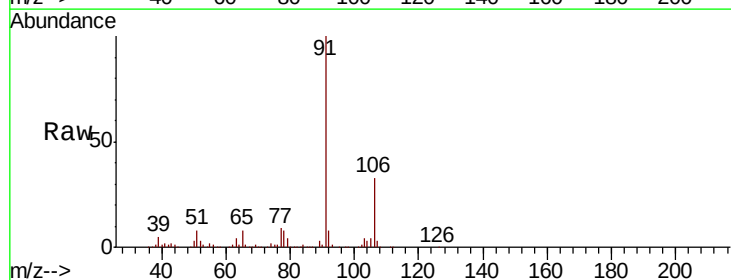


Abundance Ion 117.10 (116.80 to 117.80): VL0
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): VL0

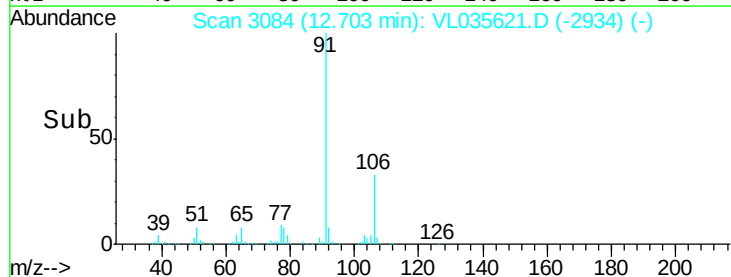
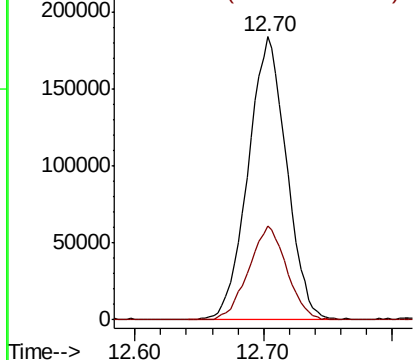


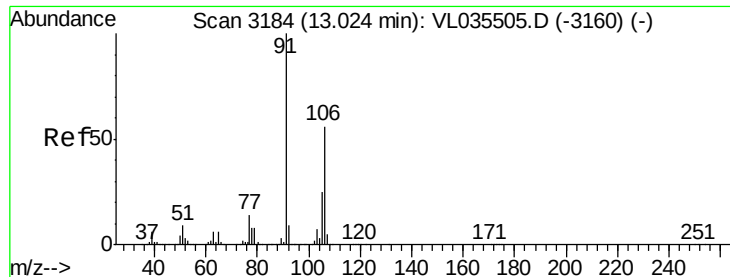
#58
Ethyl Benzene
Concen: 0.911 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion: 91 Resp: 380979
Ion Ratio Lower Upper
91 100
106 33.0 30.3 45.5



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

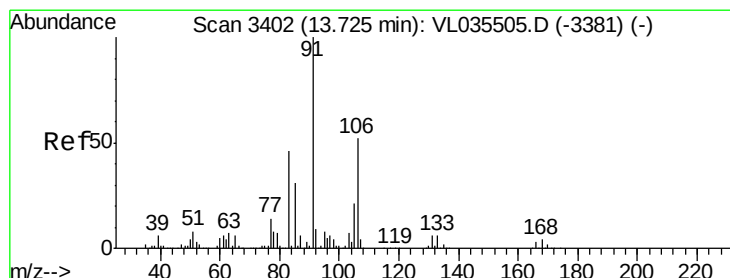
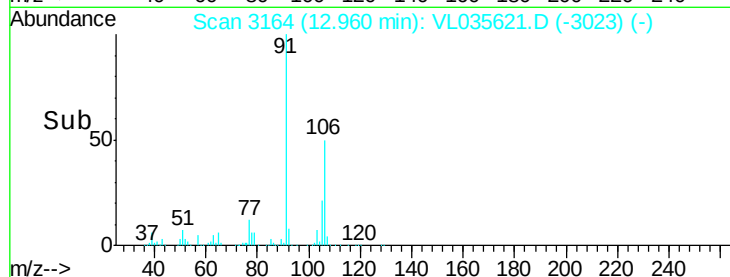
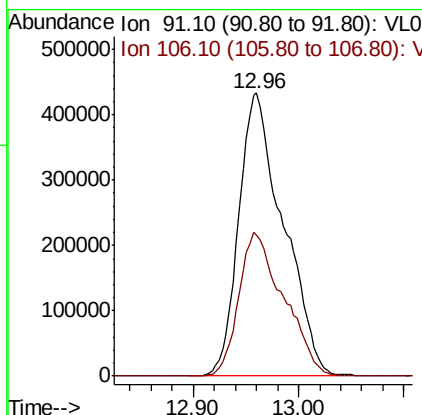
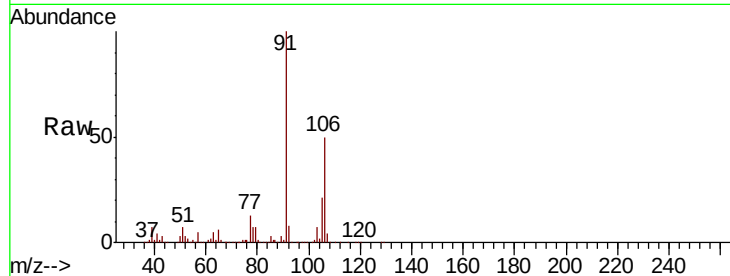




#59
m/p-Xylene
Concen: 3.638 ppbv
RT: 12.96 min Scan# 3164
Delta R.T. -0.05 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

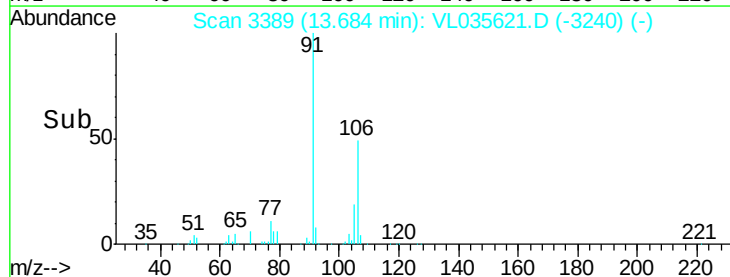
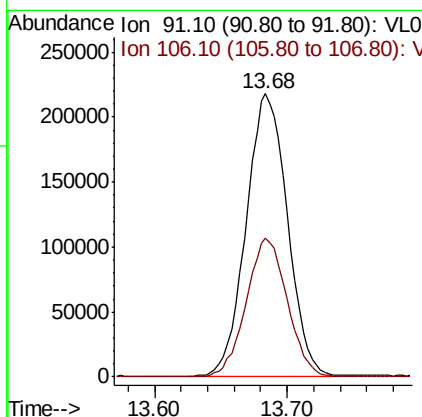
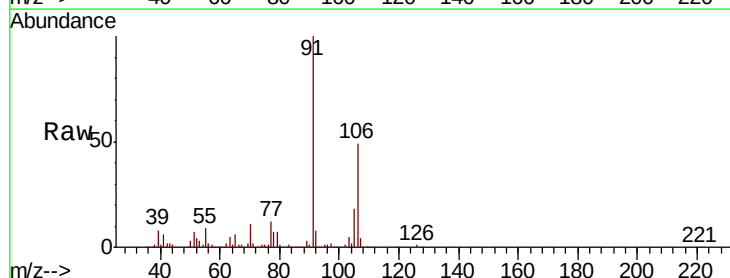
Instrument :
MSVOA_L
ClientSampleId :
SV-9

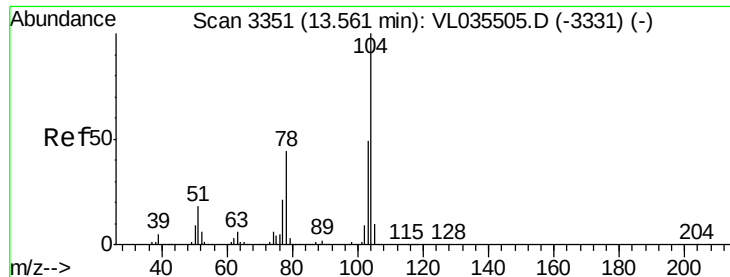
Tot Ion: 91 Resp: 1271162
Ion Ratio Lower Upper
91 100
106 51.3 43.4 65.2



#60
o-Xylene
Concen: 1.340 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion: 91 Resp: 471464
Ion Ratio Lower Upper
91 100
106 48.9 25.8 77.4

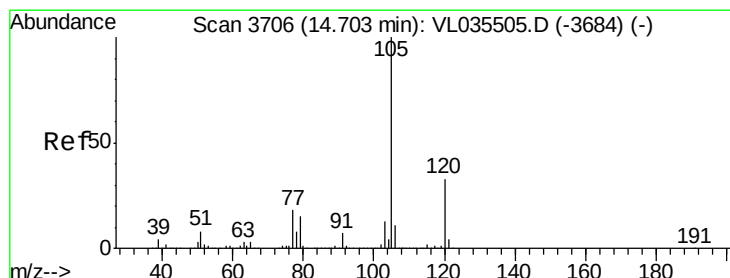
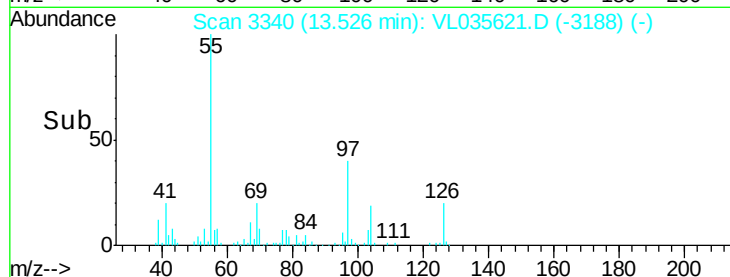
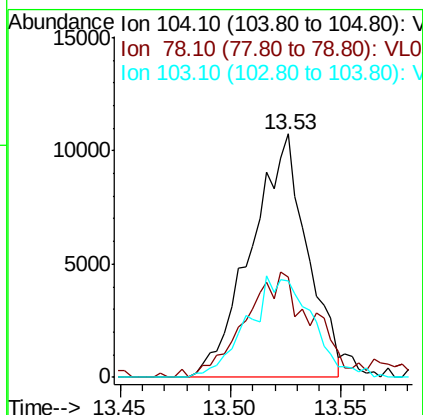
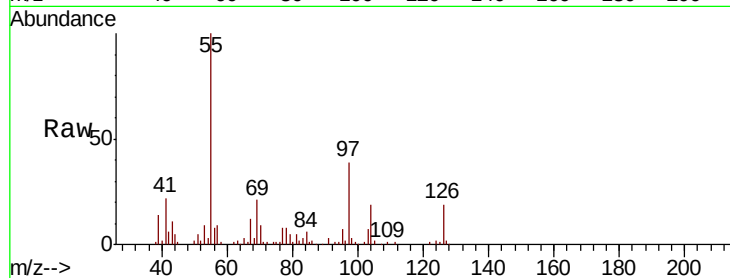




#61
Stvrene
Concen: 0.070 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

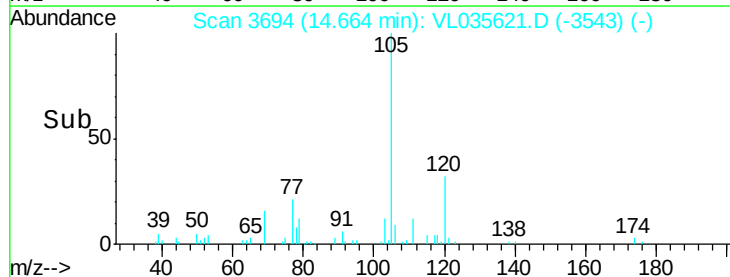
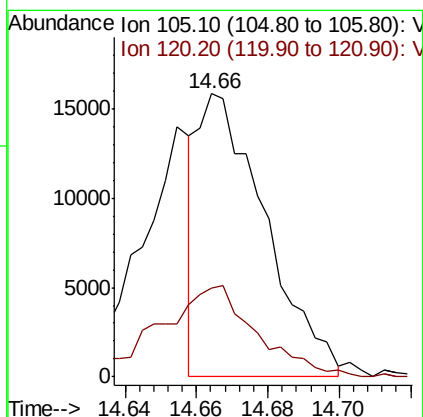
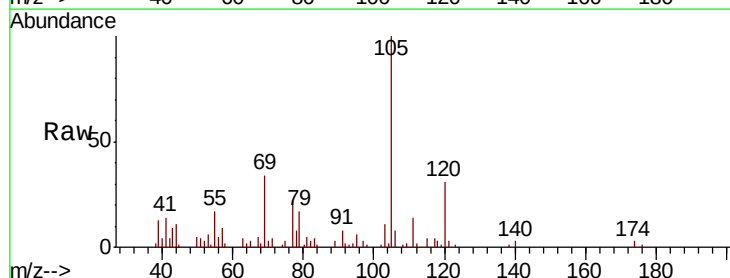
Instrument :
MSVOA_L
ClientSampled :
SV-9

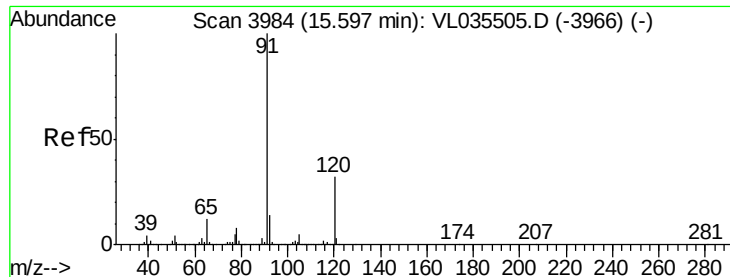
Tot Ion:104 Resp: 18953
Ion Ratio Lower Upper
104 100
78 52.3 34.8 52.2#
103 47.7 38.2 57.4



#62
Isopropylbenzene
Concen: 0.036 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion:105 Resp: 20595
Ion Ratio Lower Upper
105 100
120 48.0 25.0 37.4#

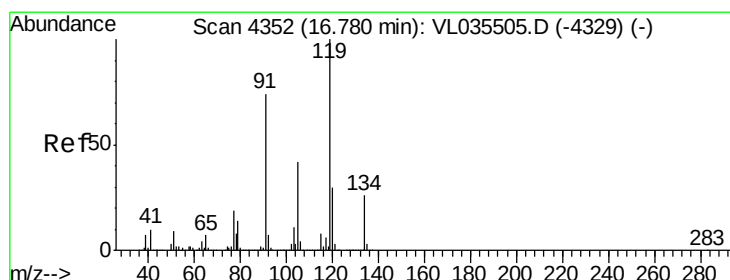
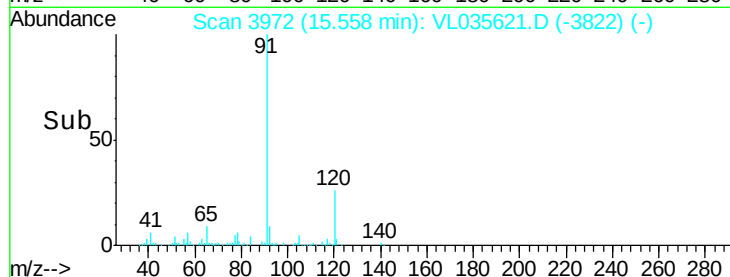
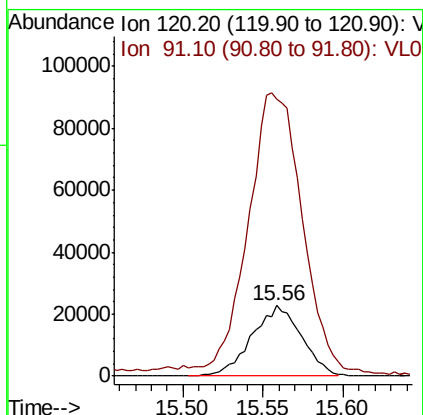
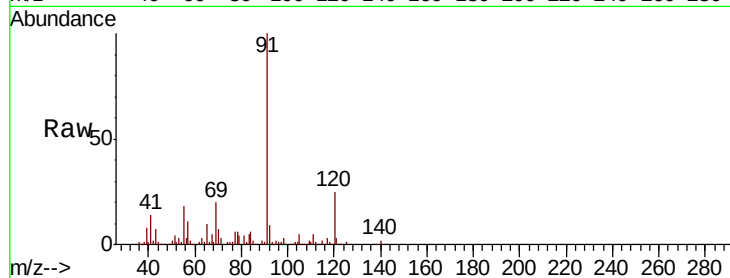




#64
n-propylbenzene
Concen: 0.280 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

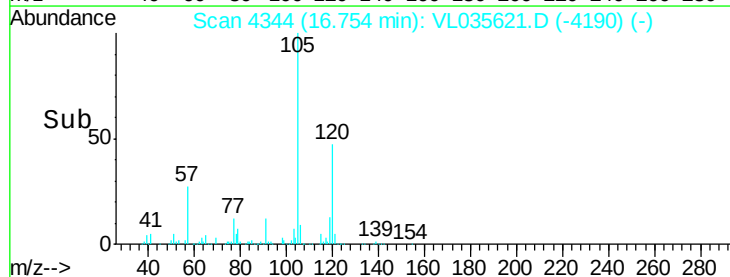
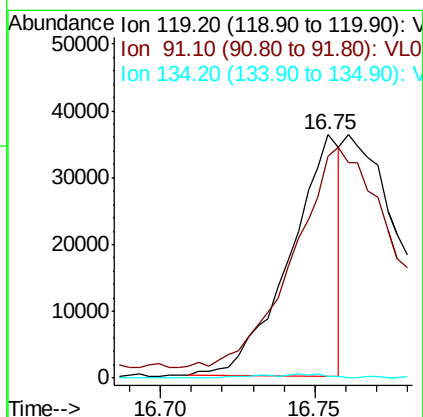
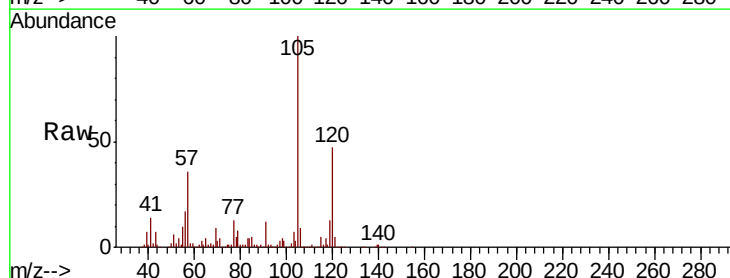
Instrument :
MSVOA_L
ClientSampled :
SV-9

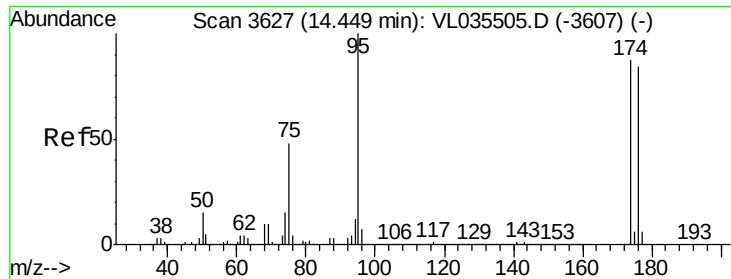
Tot Ion:120 Resp: 48386
Ion Ratio Lower Upper
120 100
91 450.0 279.4 419.0#



#65
tert-Butylbenzene
Concen: 0.077 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. -0.01 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion:119 Resp: 40592
Ion Ratio Lower Upper
119 100
91 16.2 58.6 87.8#
134 2.9 18.9 28.3#

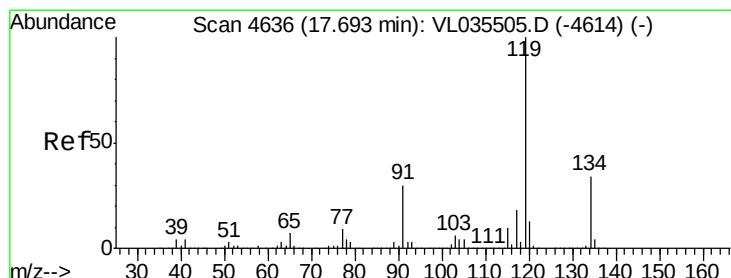
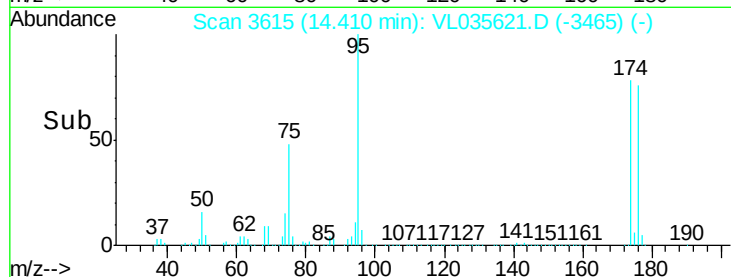
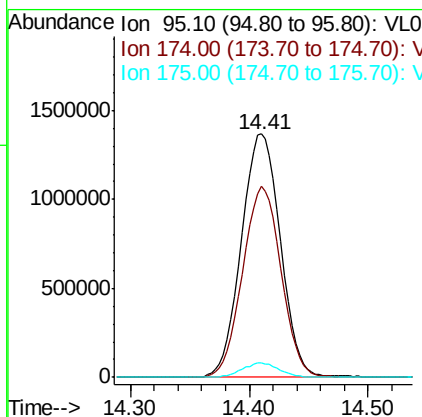
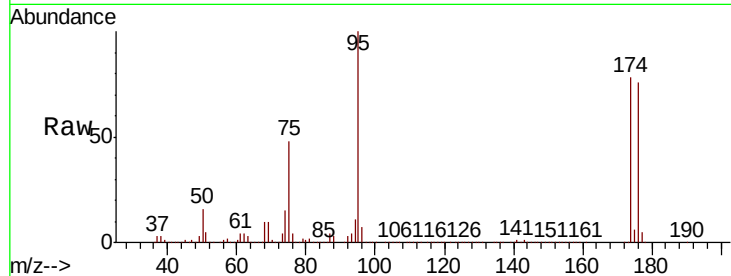




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.775 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.02 min
 Lab File: VL035621.D
 Acq: 15 Sep 2020 5:14

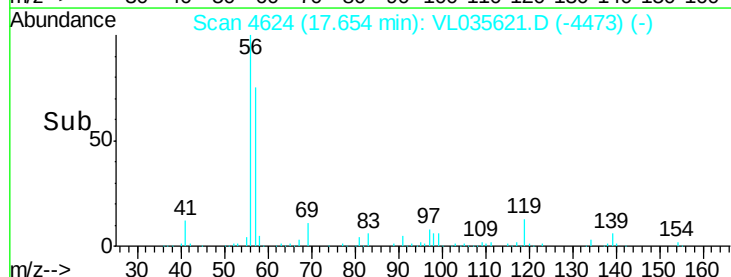
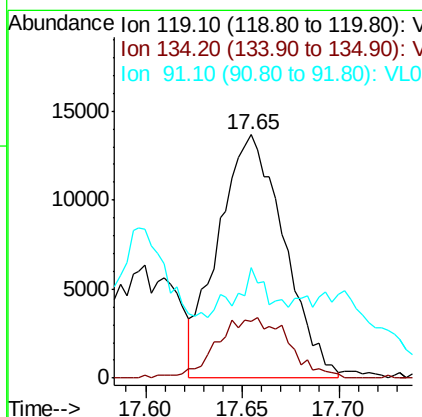
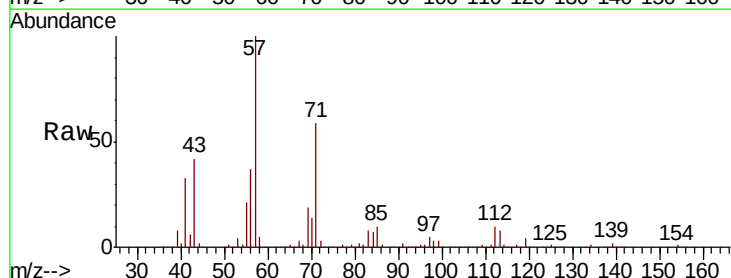
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9

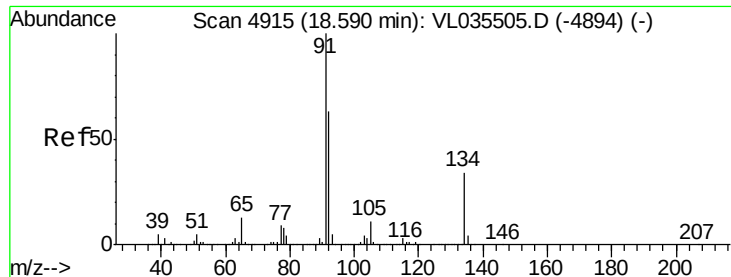
Tot Ion: 95 Resp: 3102526
 Ion Ratio Lower Upper
 95 100
 174 78.2 69.6 104.4
 175 5.7 5.1 7.7



#69
 p-Isopropyltoluene
 Concen: 0.052 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.02 min
 Lab File: VL035621.D
 Acq: 15 Sep 2020 5:14

Tgt Ion: 119 Resp: 32206
 Ion Ratio Lower Upper
 119 100
 134 27.1 25.0 37.4
 91 56.9 22.3 33.5#

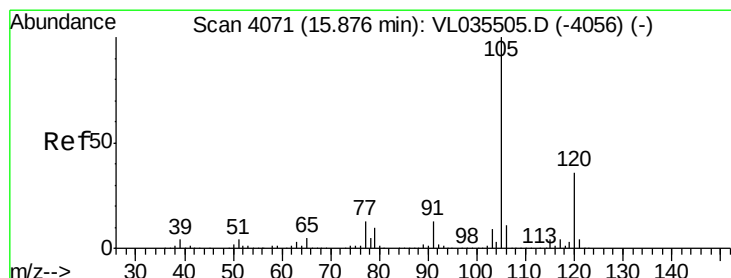
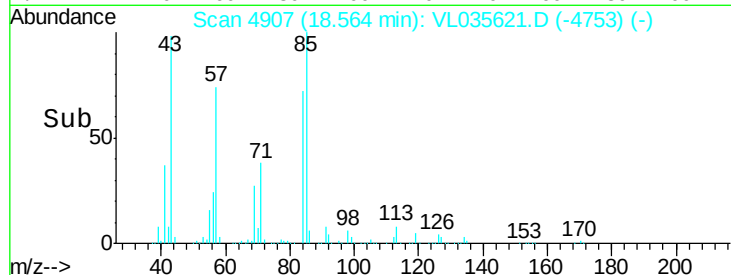
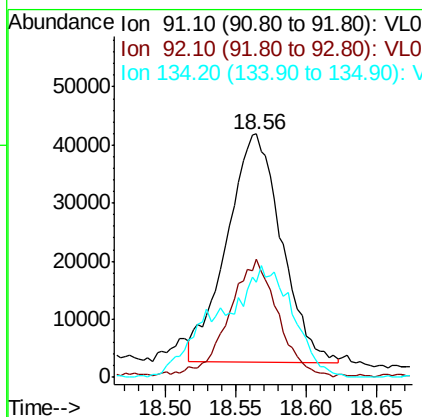
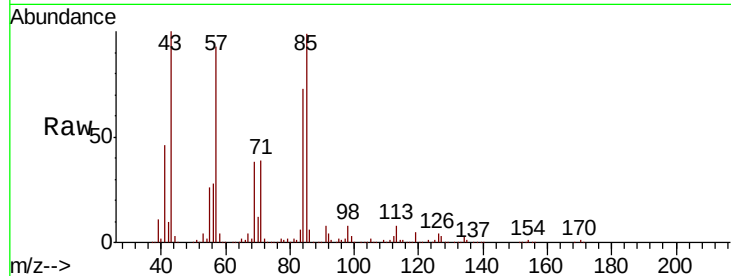




#70
n-Butylbenzene
Concen: 0.180 ppbv
RT: 18.56 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

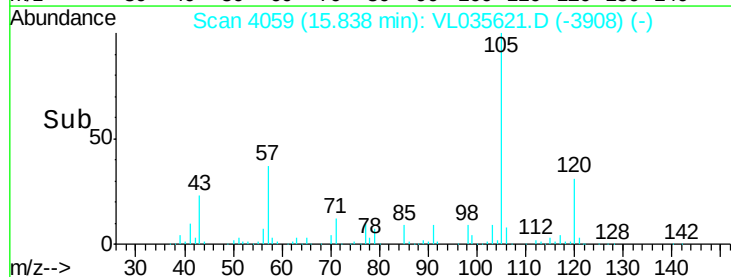
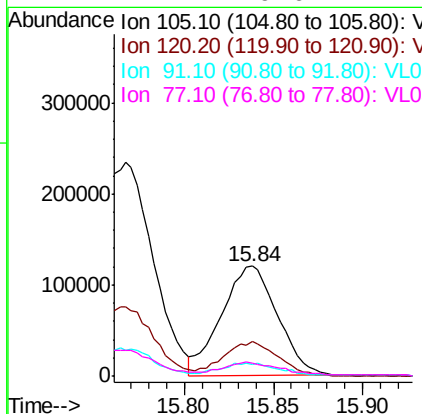
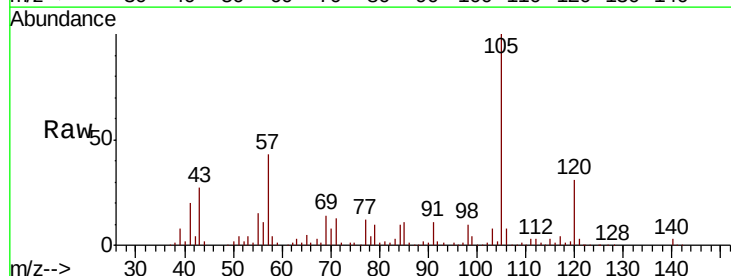
Instrument :
MSVOA_L
ClientSampleId :
SV-9

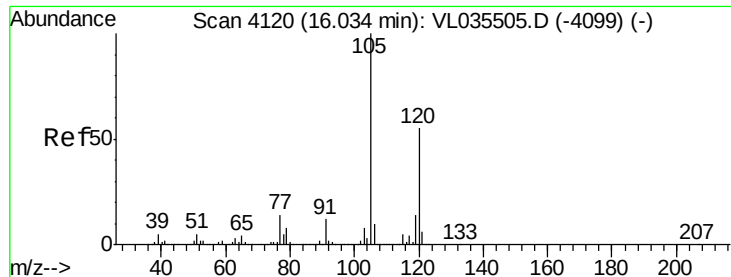
Tot Ion	Ratio	Lower	Upper
91	100		
92	46.0	47.3	70.9#
134	66.3	24.6	37.0#



#72
4-Ethyltoluene
Concen: 0.585 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. -0.02 min
Lab File: VL035621.D
Acq: 15 Sep 2020 5:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.0	27.4	41.2
91	11.6	9.7	14.5
77	12.2	9.6	14.4

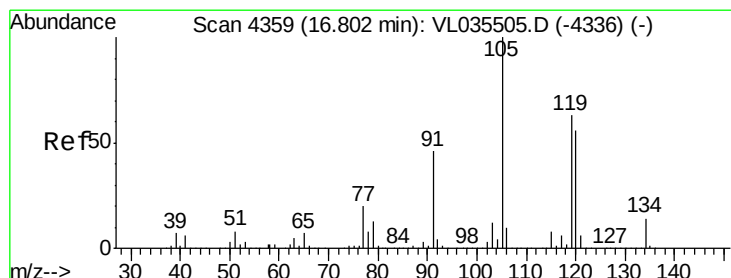
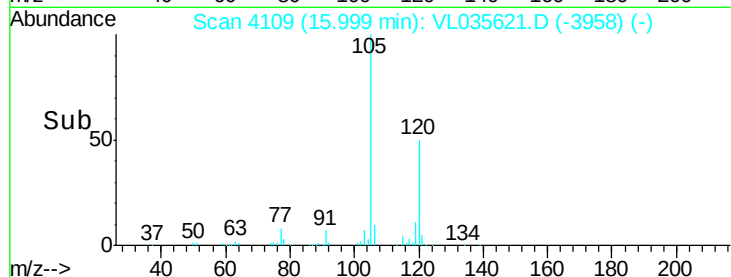
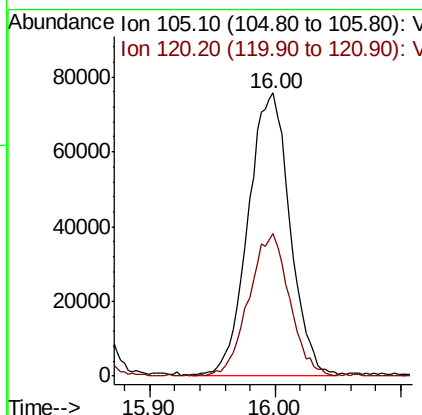
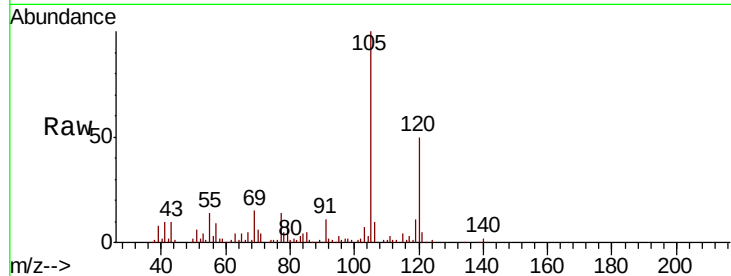




#73
 1,3,5-Trimethylbenzene
 Concen: 0.422 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.02 min
 Lab File: VL035621.D
 Acq: 15 Sep 2020 5:14

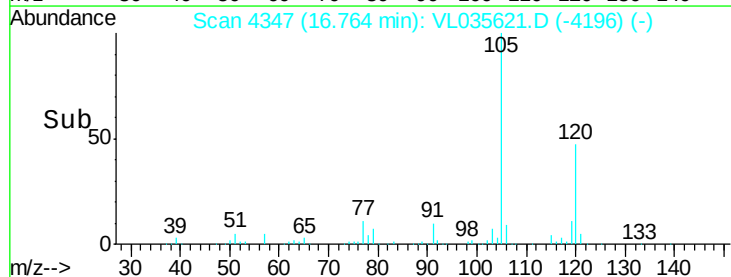
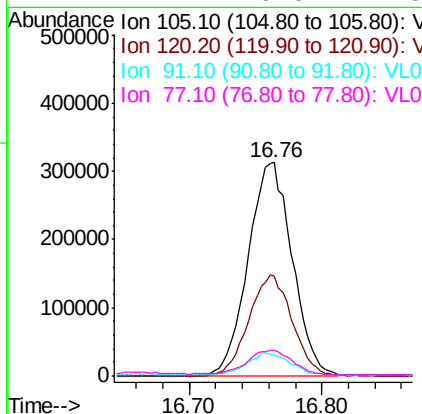
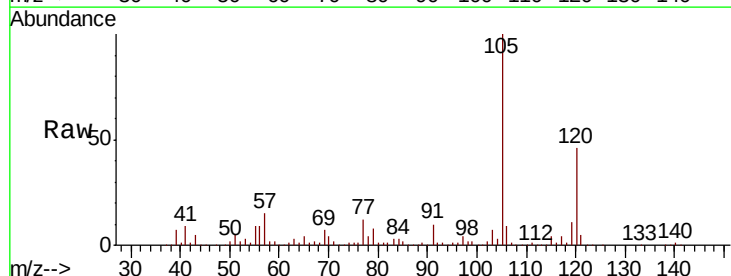
Instrument :
 MSVOA_L
 ClientSampled :
 SV-9

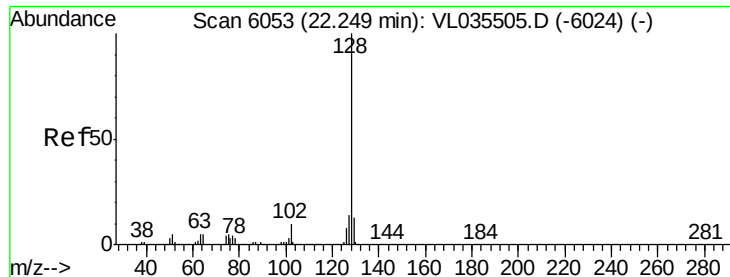
Tot Ion:105 Resp: 174438
 Ion Ratio Lower Upper
 105 100
 120 50.0 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 1.588 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.02 min
 Lab File: VL035621.D
 Acq: 15 Sep 2020 5:14

Tgt Ion:105 Resp: 721392
 Ion Ratio Lower Upper
 105 100
 120 46.4 44.4 66.6
 91 9.7 37.1 55.7#
 77 11.2 16.0 24.0#





#79

Naphthalene

Concen: 0.197 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.01 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

Instrument :

MSVOA_L

ClientSampleId :

SV-9

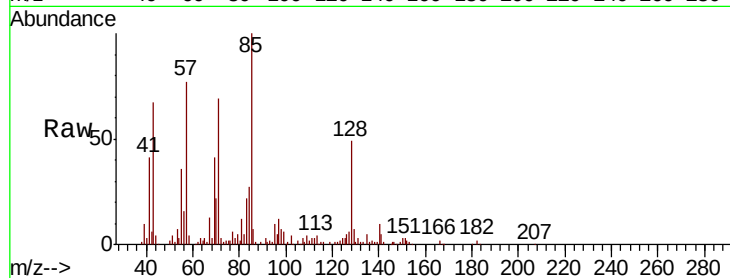
Tot Ion:128 Resp: 99102

Ion Ratio Lower Upper

128 100

127 10.7 11.4 17.2#

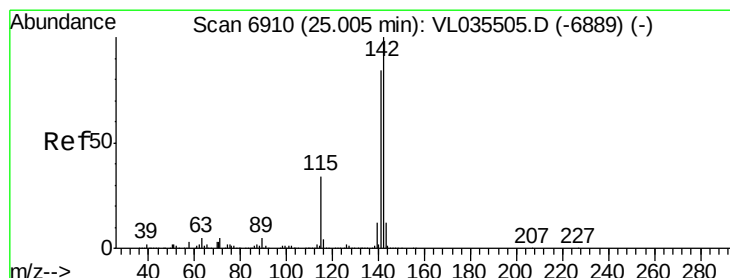
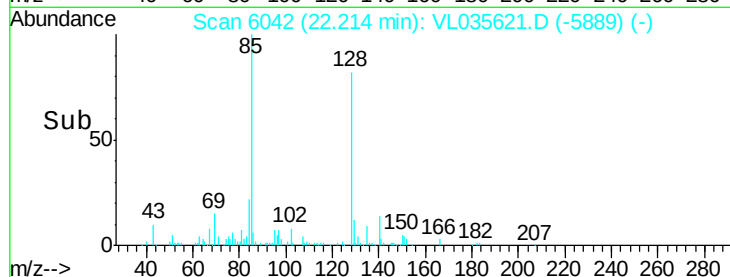
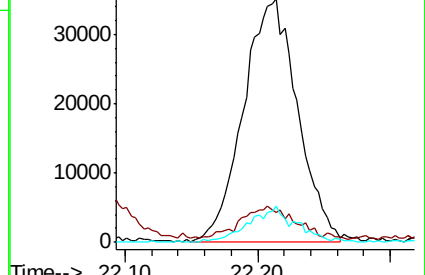
129 14.9 10.5 15.7



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: 0.097 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. -0.01 min

Lab File: VL035621.D

Acq: 15 Sep 2020 5:14

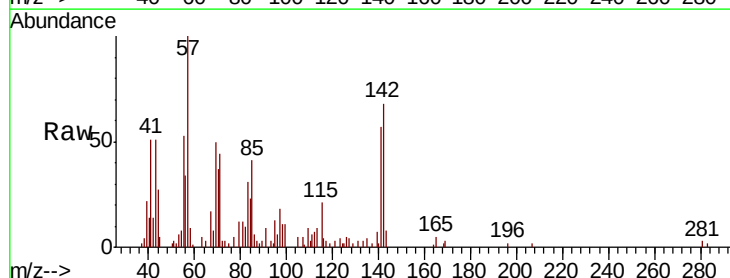
Tgt Ion:142 Resp: 16766

Ion Ratio Lower Upper

142 100

141 85.9 67.6 101.4

115 37.6 25.8 38.8



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

