

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035874.D
 Acq On : 6 Nov 2020 00:25
 Operator : SY/AP
 Sample : L4618-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Quant Time: Nov 06 01:28:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1103280	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4037928	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3838365	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2785423	10.21	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	49694	0.239 ppbv	94
3) Chlorodifluoromethane	2.96	51	42398	0.321 ppbv	96
4) Chloromethane	3.12	50	31979	0.498 ppbv	95
9) Propene	3.18	41	183918	3.803 ppbv	92
10) Heptane	8.10	43	223842	1.676 ppbv	99
11) Trichlorofluoromethane	3.93	101	60769	0.233 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	13592	0.070 ppbv	98
13) Ethanol	3.59	45	117244	11.176 ppbv	97
15) Acetone	3.83	43	25082186	212.650 ppbv #	60
16) 1,3-Butadiene	3.33	39	2149751	42.333 ppbv #	1
17) tert-Butyl alcohol	4.29	59	12433	0.080 ppbv #	72
19) Isopropyl Alcohol	3.96	45	21986	0.303 ppbv #	90
20) Methylene Chloride	4.33	84	144892	1.745 ppbv	98
25) Ethyl Acetate	5.66	43	77808	0.335 ppbv #	77
26) Hexane	5.66	57	127211	0.993 ppbv #	46
29) Chloroform	5.74	83	164510	0.653 ppbv	94
30) Cyclohexane	7.11	84	26563	0.190 ppbv #	87
34) 2-Butanone	5.23	43	30634	0.234 ppbv	98
35) Carbon Tetrachloride	7.00	117	9732	0.045 ppbv #	92
36) Benzene	6.88	78	142571	0.475 ppbv	94
39) 1,2-Dichloropropane	7.16	63	815044	8.064 ppbv #	30
42) Bromodichloromethane	7.77	83	17751	0.077 ppbv #	73
44) 2,2,4-Trimethylpentane	7.85	57	206447	0.520 ppbv #	82
50) 4-Methyl-2-Pentanone	8.73	43	64640	0.323 ppbv	100
51) 2-Hexanone	10.09	43	11649	0.072 ppbv #	40
52) Tetrachloroethene	11.20	164	116113	0.816 ppbv	96
53) Toluene	9.79	91	15777829	43.558 ppbv #	80
58) Ethyl Benzene	12.69	91	1281496	2.741 ppbv	93
59) m/p-Xylene	12.95	91	4197089	10.612 ppbv	97
60) o-Xylene	13.67	91	1274774	3.313 ppbv	97
61) Styrene	13.51	104	19013	0.067 ppbv #	30
62) Isopropylbenzene	14.65	105	33899	0.056 ppbv	97
64) n-propylbenzene	15.55	120	16563	0.095 ppbv #	1
65) tert-Butylbenzene	16.74	119	51923	0.094 ppbv #	61
72) 4-Ethyltoluene	15.82	105	164365	0.352 ppbv	96
73) 1,3,5-Trimethylbenzene	15.98	105	136432	0.319 ppbv	88
74) 1,2,4-Trimethylbenzene	16.74	105	444147	0.971 ppbv #	68
79) Naphthalene	22.18	128	10897	0.034 ppbv #	94
80) Naphthalene,2-methyl-	24.98	142	1685	0.032 ppbv	94

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

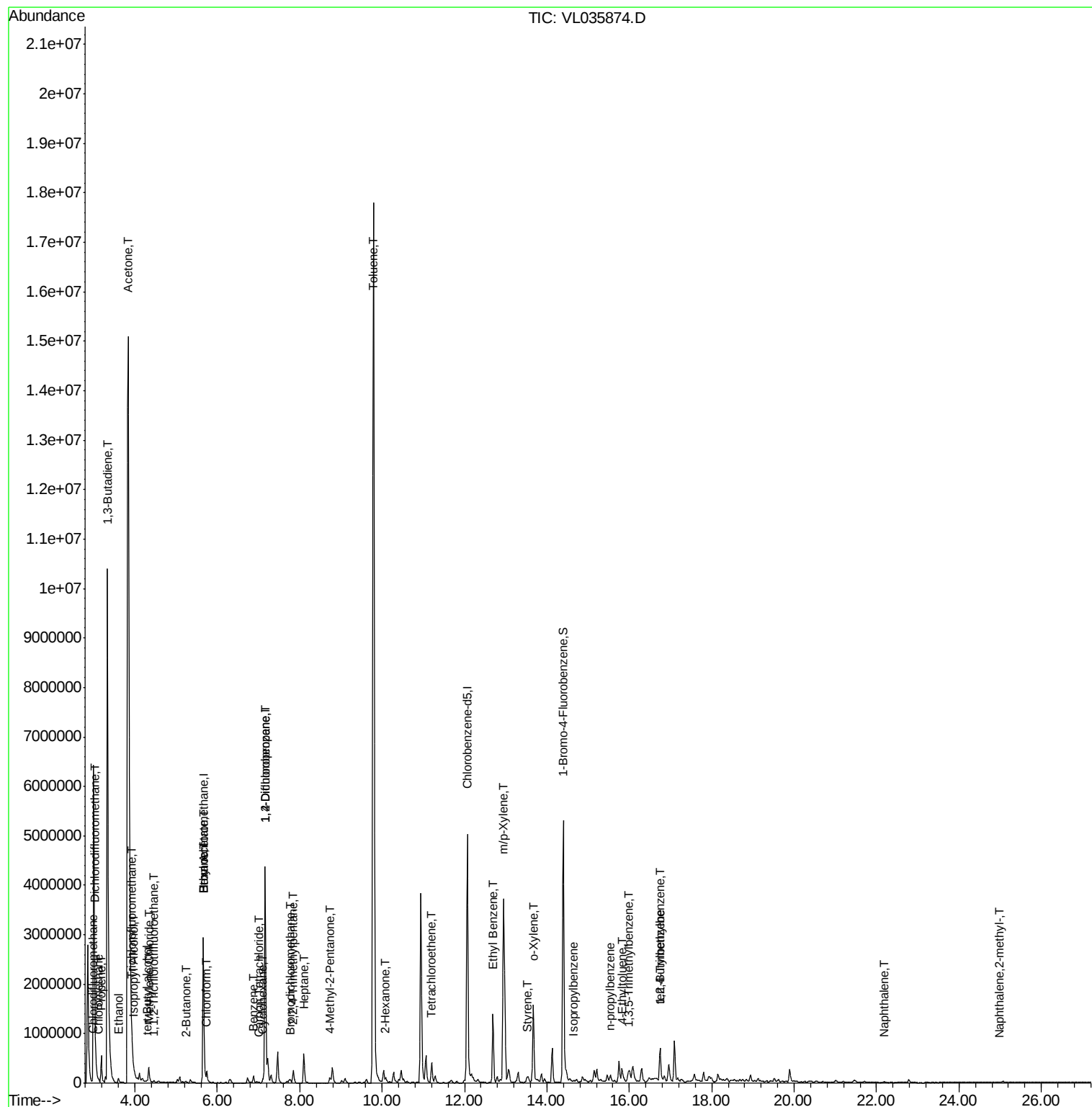
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

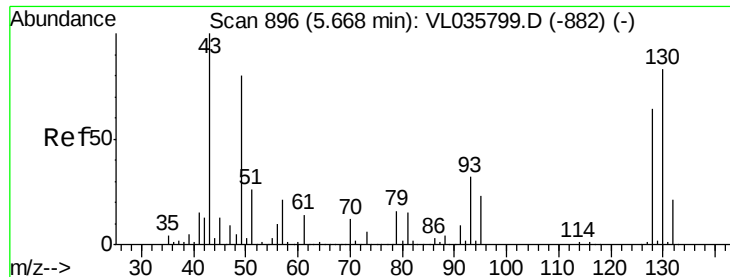
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

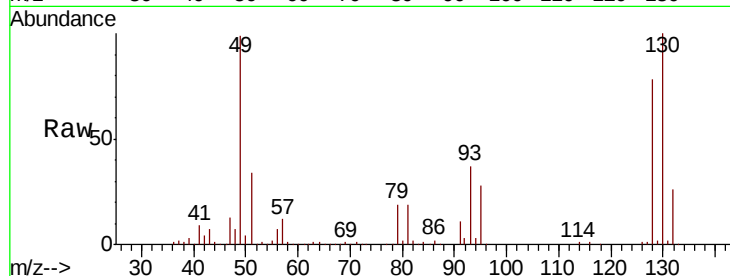
Tot Ion: 49 Resp: 1103280

Ion Ratio Lower Upper

49 100

128 78.4 41.5 124.6

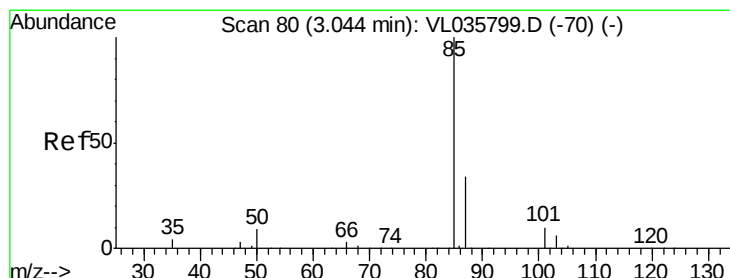
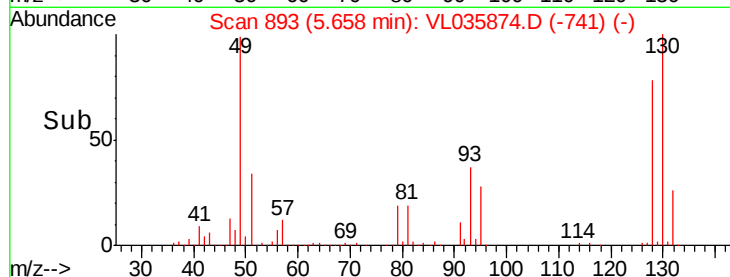
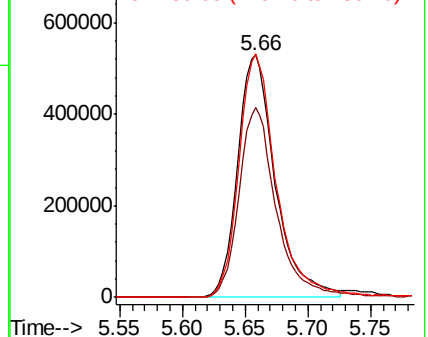
130 101.1 53.7 161.1



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: 0.239 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL035874.D

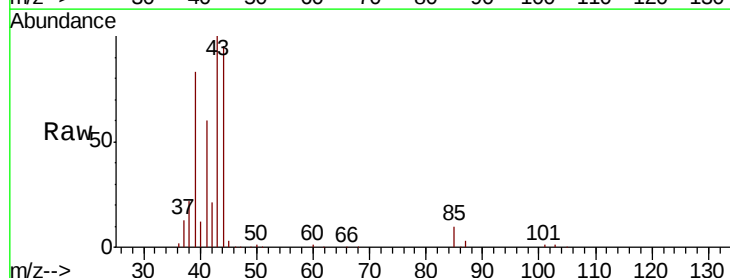
Acq: 6 Nov 2020 00:25

Tgt Ion: 85 Resp: 49694

Ion Ratio Lower Upper

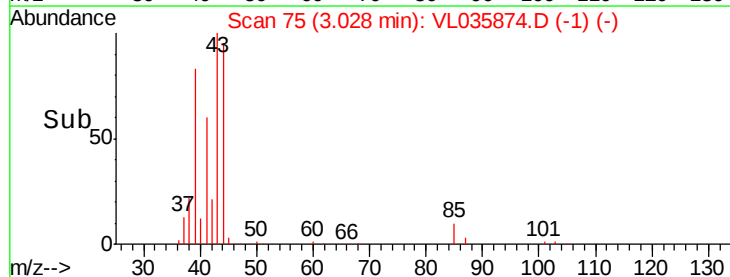
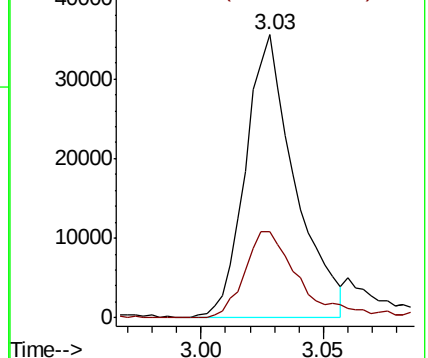
85 100

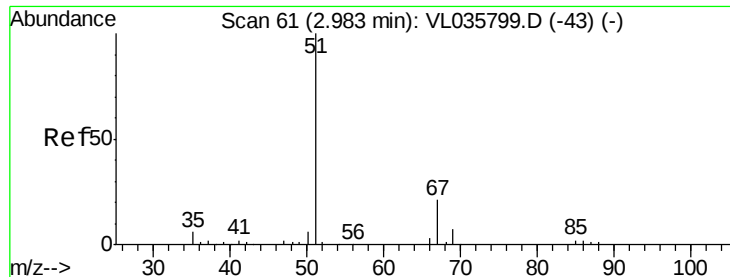
87 30.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.321 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

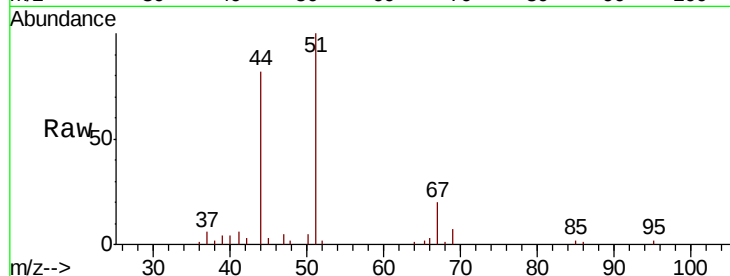
IA-1DUP

Tot Ion: 51 Resp: 42398

Ion Ratio Lower Upper

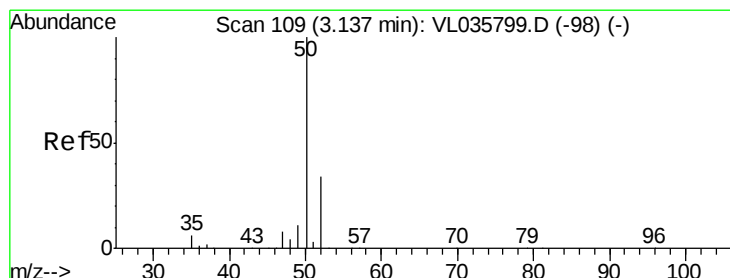
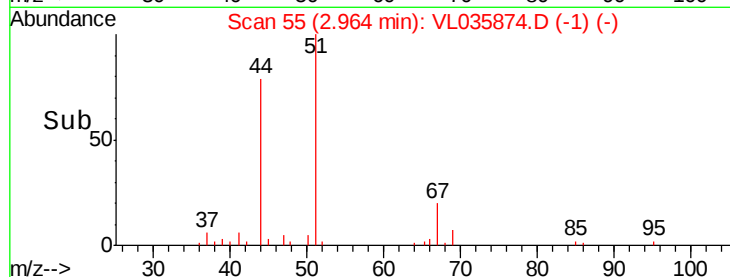
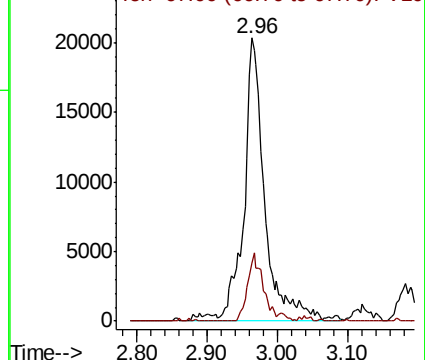
51 100

67 19.2 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.498 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL035874.D

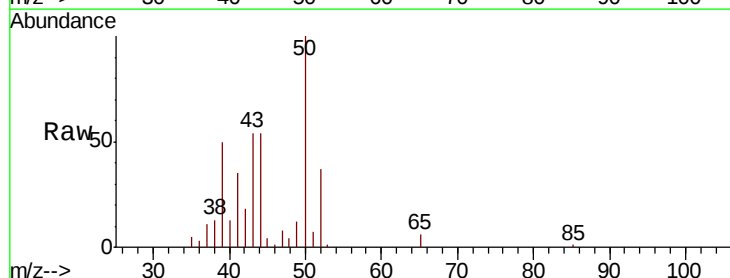
Acq: 6 Nov 2020 00:25

Tgt Ion: 50 Resp: 31979

Ion Ratio Lower Upper

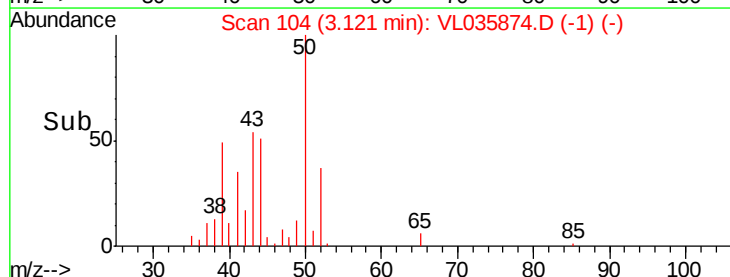
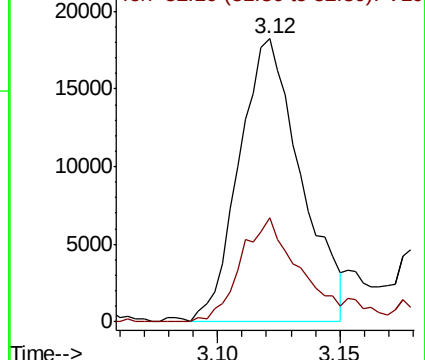
50 100

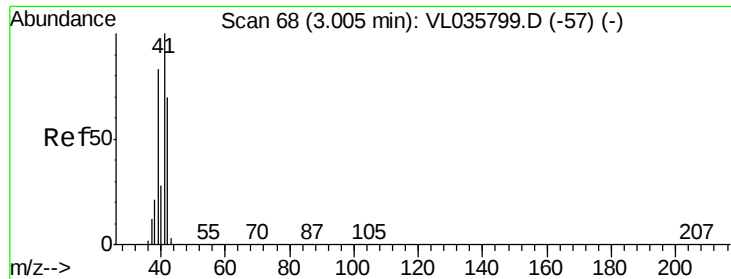
52 36.6 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 3.803 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.18 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

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ClientSampleId :

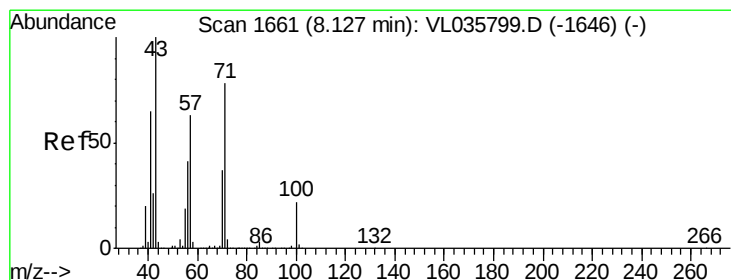
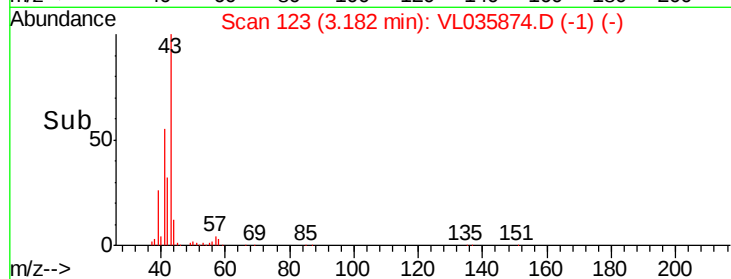
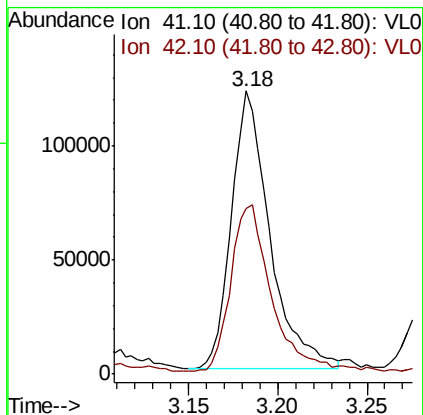
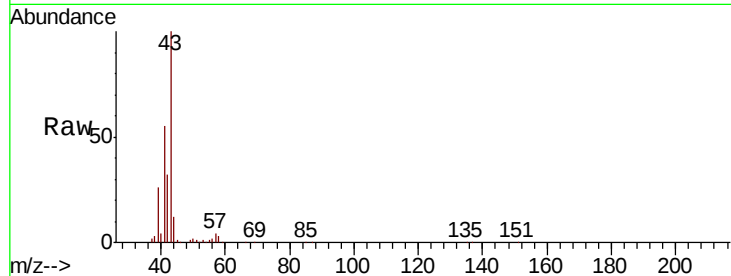
IA-1DUP

Tot Ion: 41 Resp: 183918

Ion Ratio Lower Upper

41 100

42 63.8 56.2 84.4



#10

Heptane

Concen: 1.676 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL035874.D

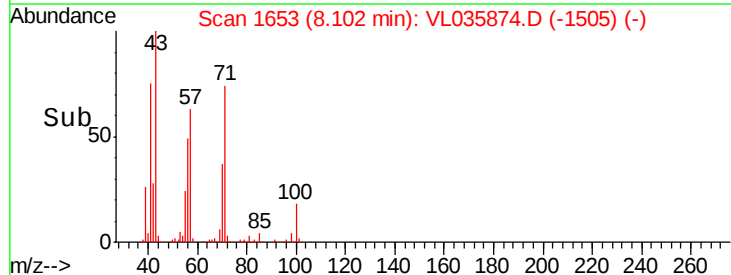
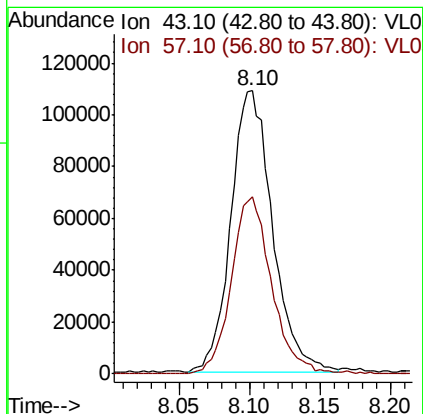
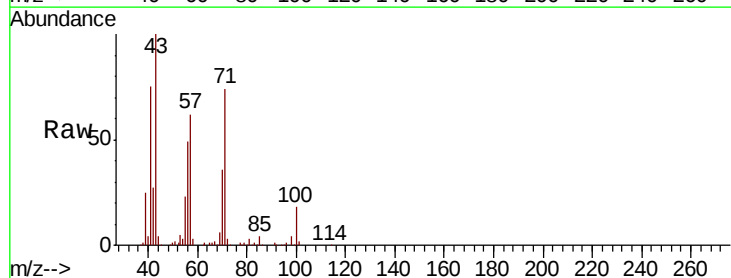
Acq: 6 Nov 2020 00:25

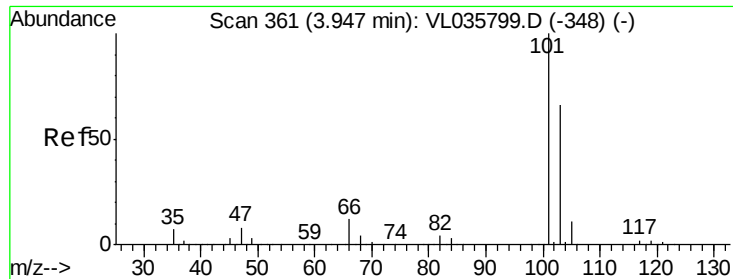
Tgt Ion: 43 Resp: 223842

Ion Ratio Lower Upper

43 100

57 61.4 50.0 75.0

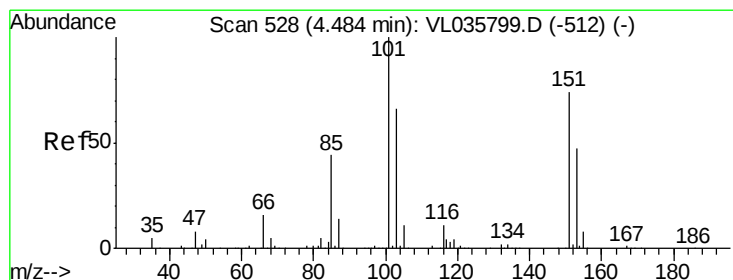
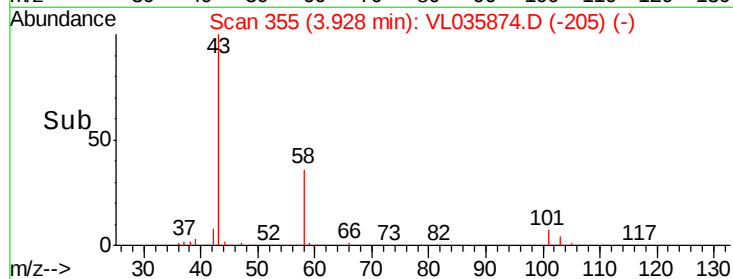
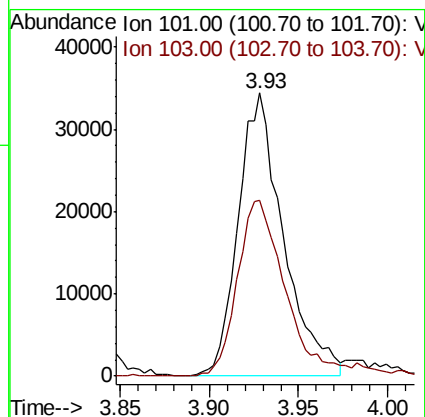
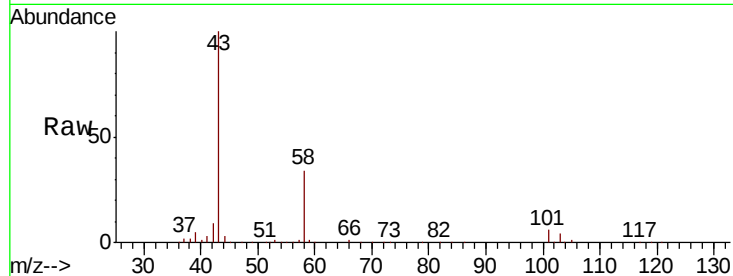




#11
 Trichlorofluoromethane
 Concen: 0.233 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL035874.D
 Acq: 6 Nov 2020 00:25

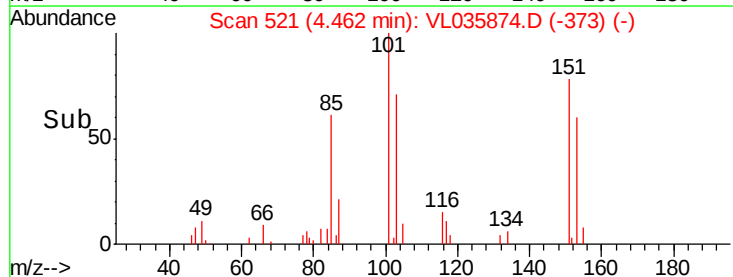
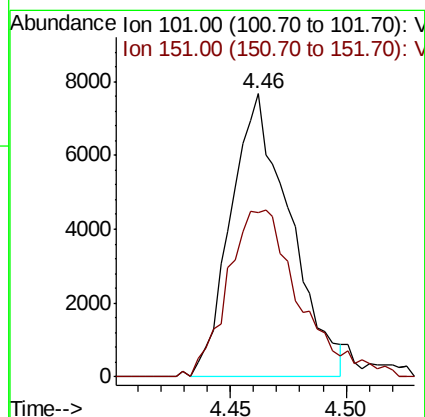
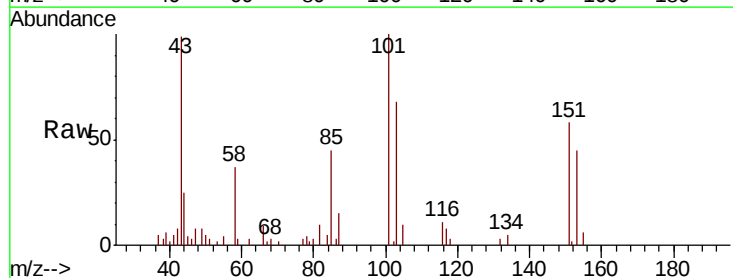
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

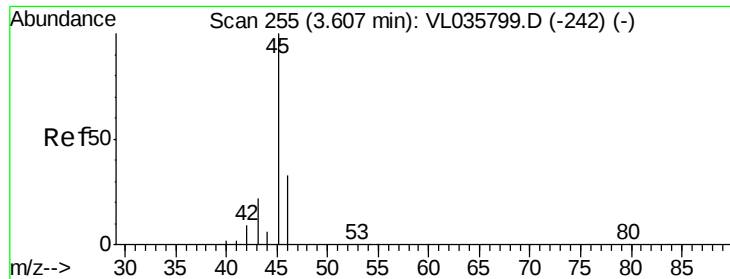
Tot Ion:101 Resp: 60769
 Ion Ratio Lower Upper
 101 100
 103 62.1 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.070 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL035874.D
 Acq: 6 Nov 2020 00:25

Tgt Ion:101 Resp: 13592
 Ion Ratio Lower Upper
 101 100
 151 72.2 58.9 88.3





#13

Ethanol

Concen: 11.176 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

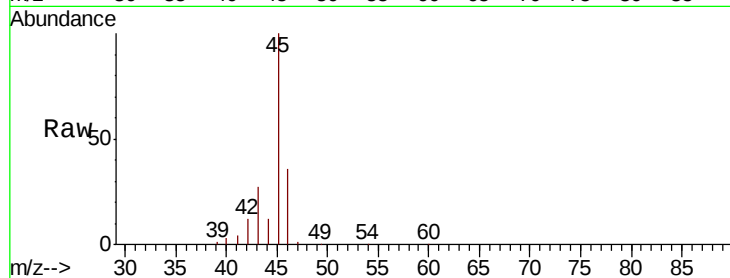
IA-1DUP

Tot Ion: 45 Resp: 117244

Ion Ratio Lower Upper

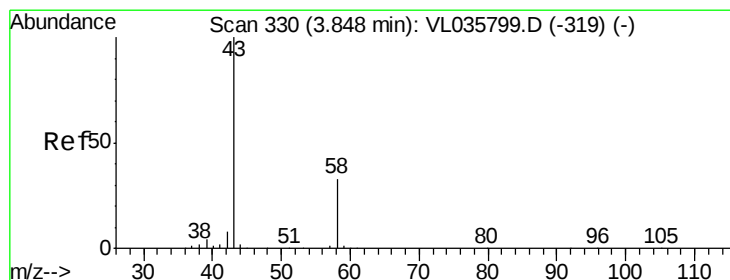
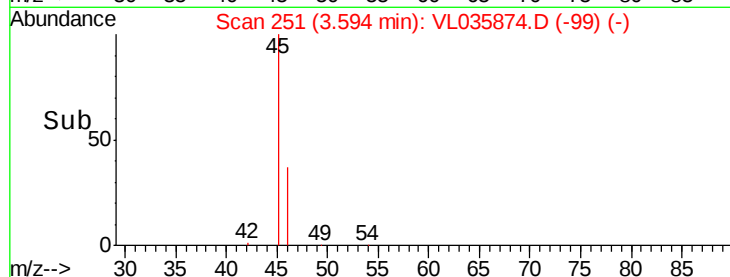
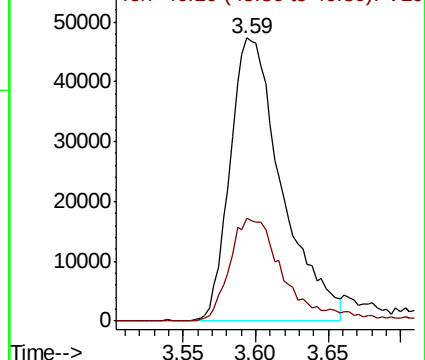
45 100

46 38.3 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 212.650 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL035874.D

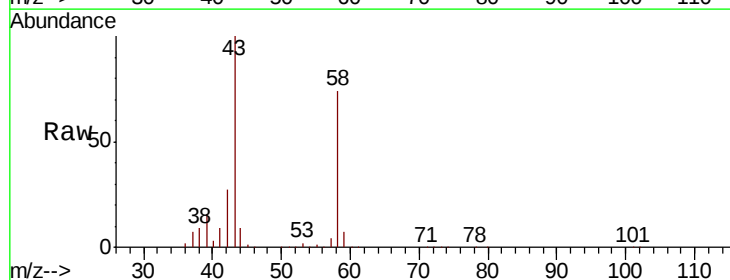
Acq: 6 Nov 2020 00:25

Tgt Ion: 43 Resp: 25082186

Ion Ratio Lower Upper

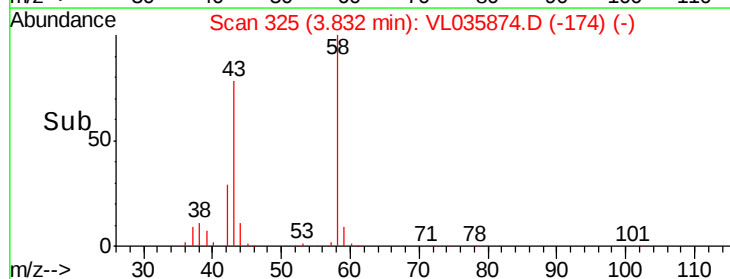
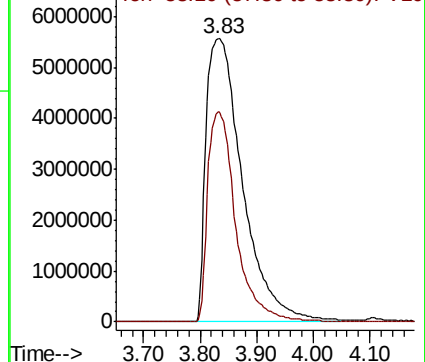
43 100

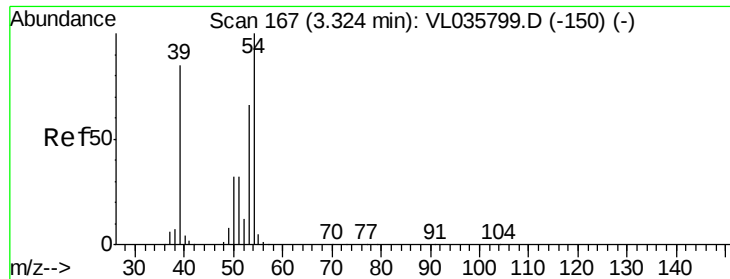
58 57.2 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

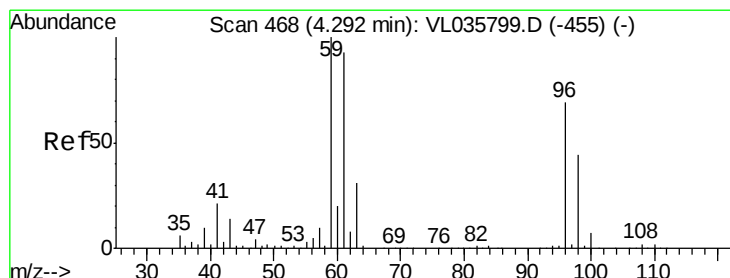
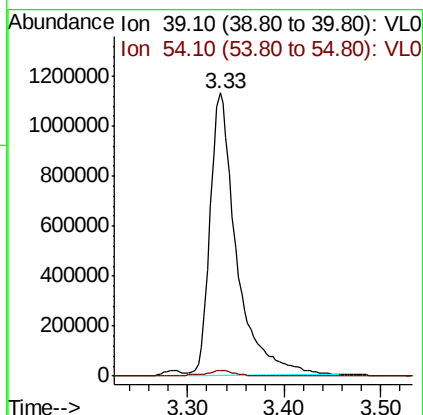
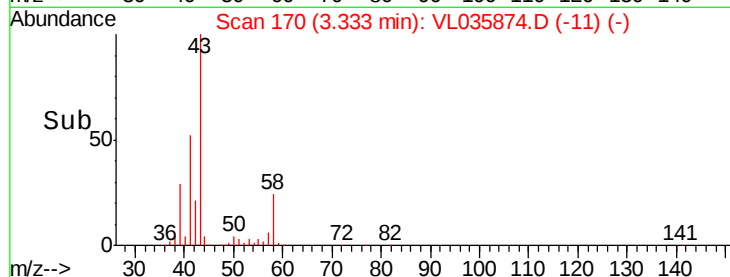
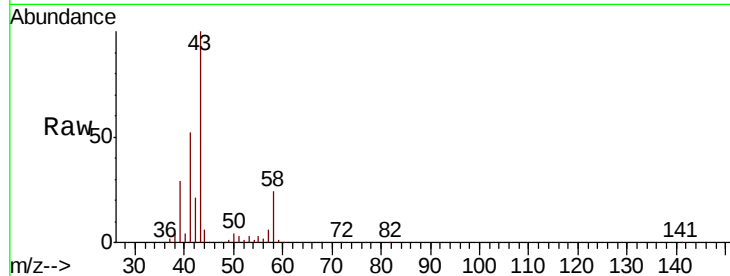




#16
1,3-Butadiene
Concen: 42.333 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

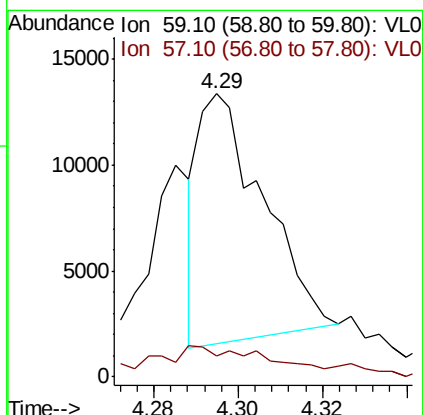
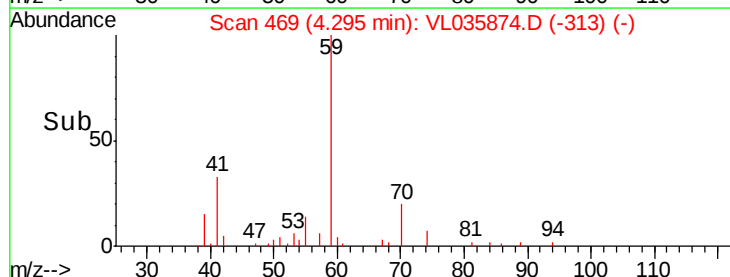
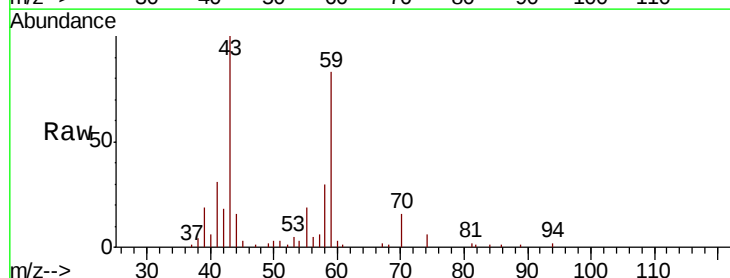
Instrument :
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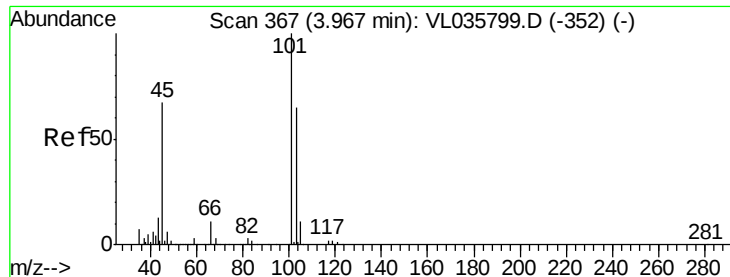
Tot Ion: 39 Resp: 2149751
Ion Ratio Lower Upper
39 100
54 2.5 87.1 130.7#



#17
tert-Butyl alcohol
Concen: 0.080 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

Tgt Ion: 59 Resp: 12433
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#19

Isopropyl Alcohol

Concen: 0.303 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

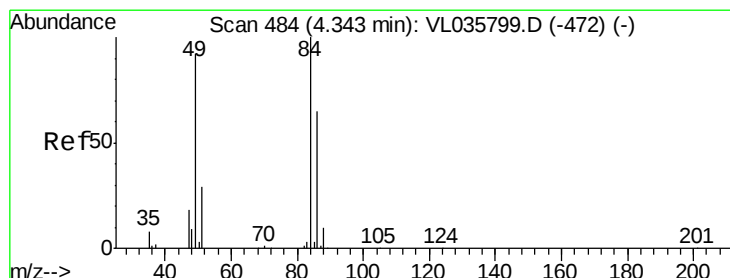
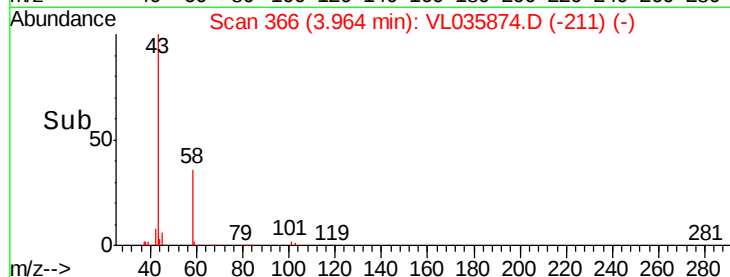
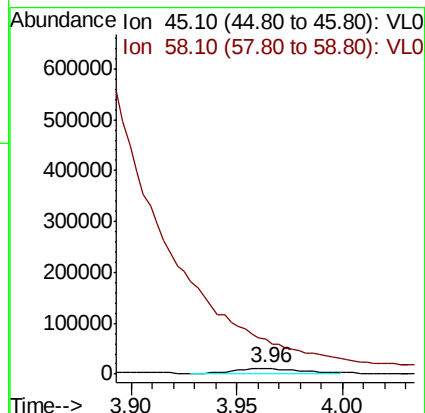
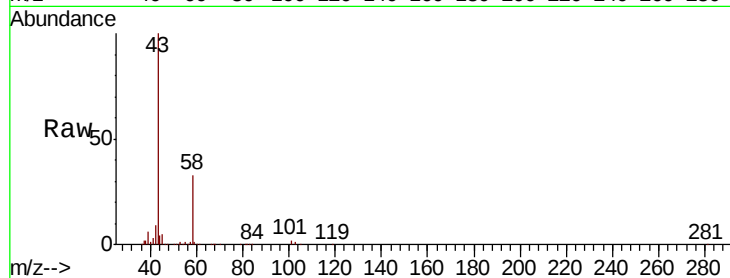
IA-1DUP

Tot Ion: 45 Resp: 21986

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#



#20

Methylene Chloride

Concen: 1.745 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Tgt Ion: 84 Resp: 144892

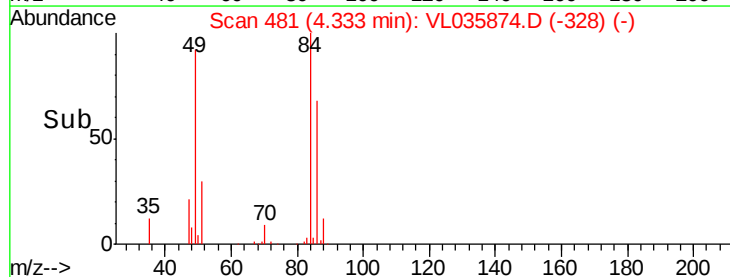
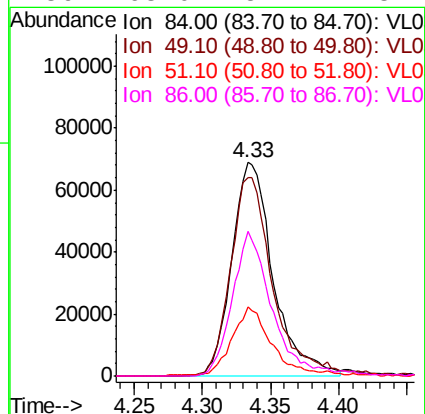
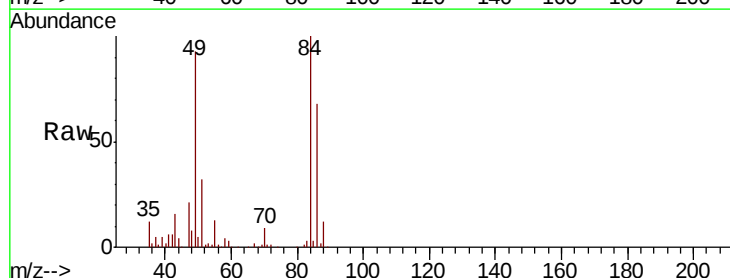
Ion Ratio Lower Upper

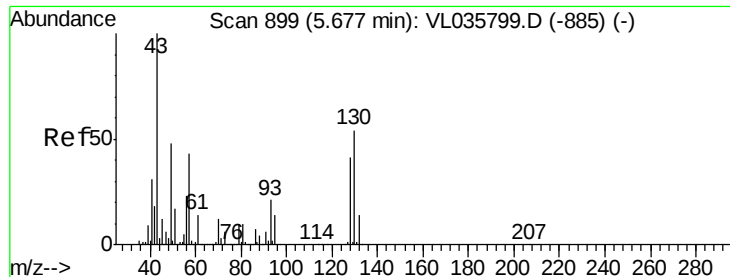
84 100

49 92.3 73.8 110.8

51 31.5 23.0 34.4

86 68.0 52.1 78.1

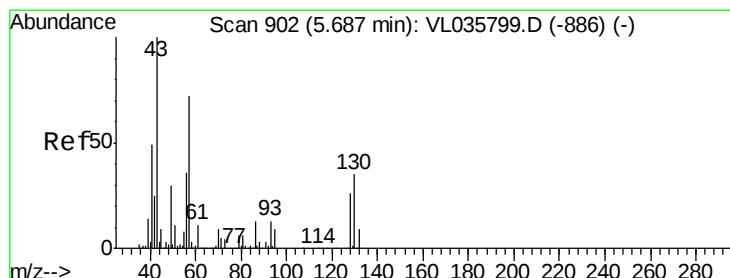
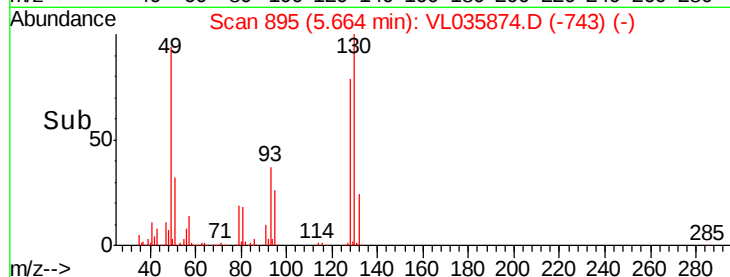
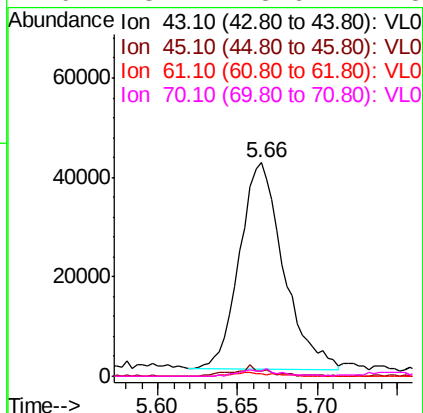
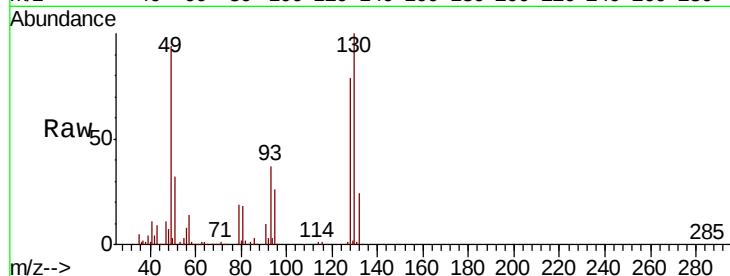




#25
Ethyl Acetate
Concen: 0.335 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

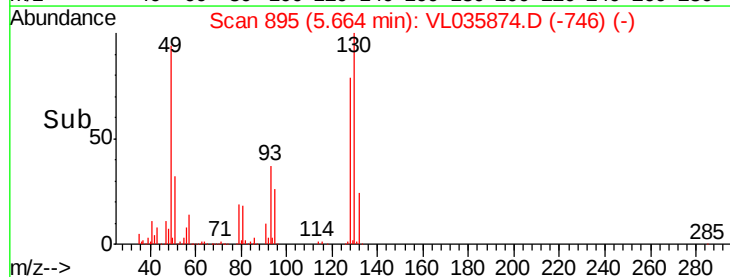
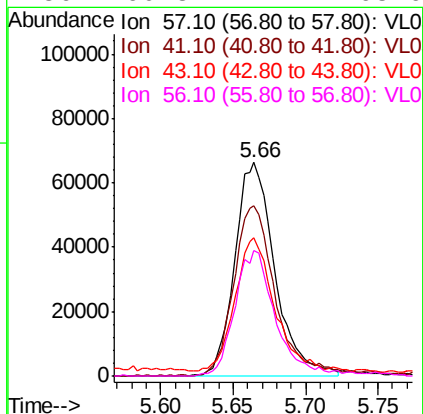
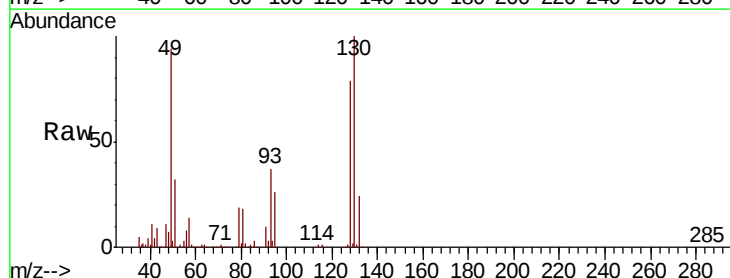
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

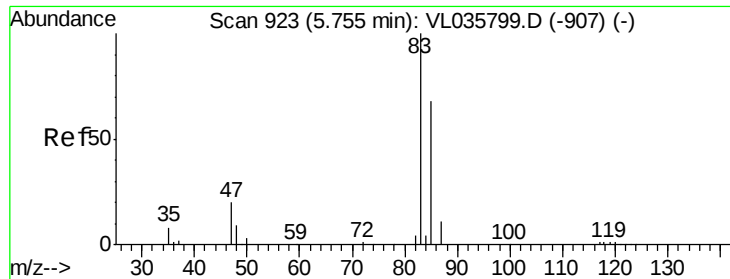
Tot Ion: 43 Resp: 77808
Ion Ratio Lower Upper
43 100
45 4.0 8.5 12.7#
61 1.7 10.7 16.1#
70 3.1 8.6 12.8#



#26
Hexane
Concen: 0.993 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

Tgt Ion: 57 Resp: 127211
Ion Ratio Lower Upper
57 100
41 85.2 58.9 88.3
43 69.0 150.2 225.2#
56 60.8 42.4 63.6

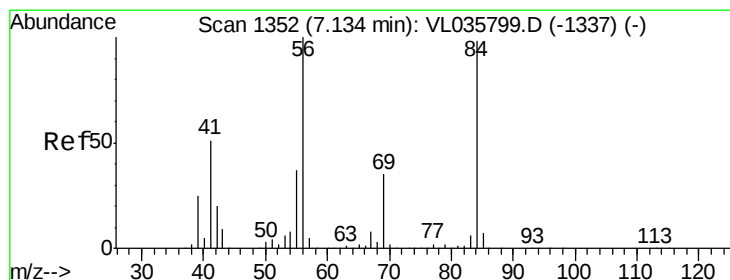
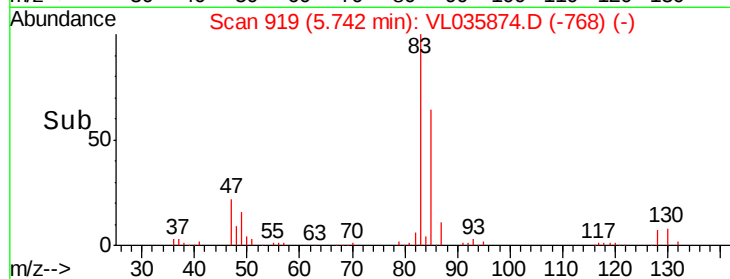
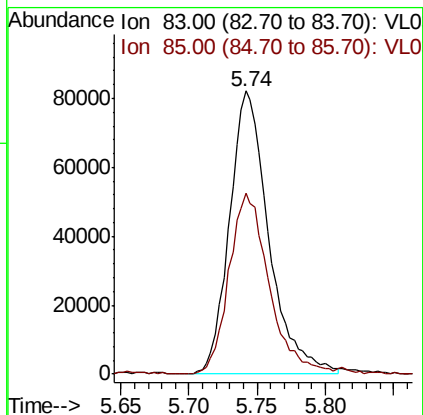
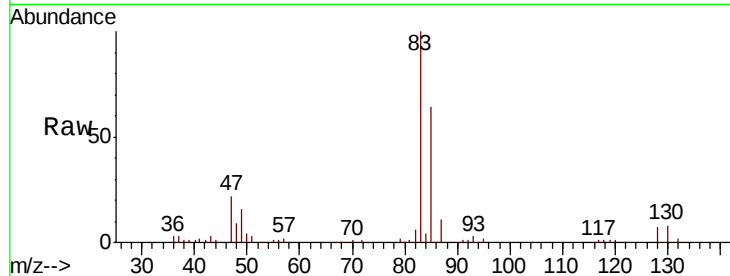




#29
Chloroform
Concen: 0.653 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

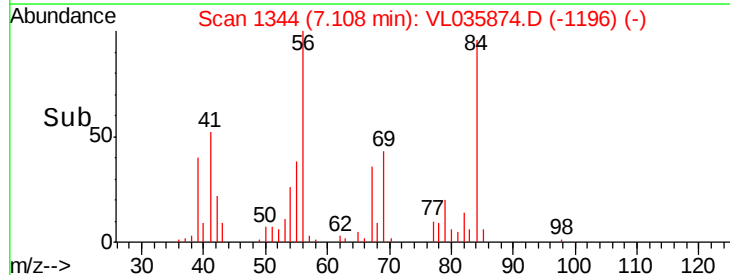
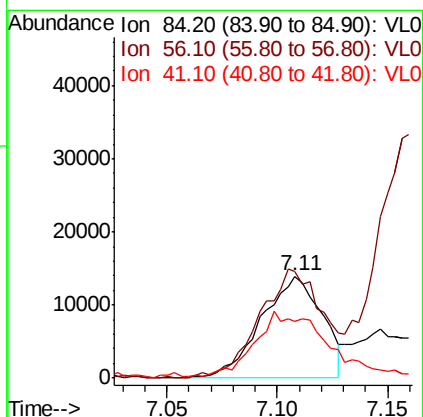
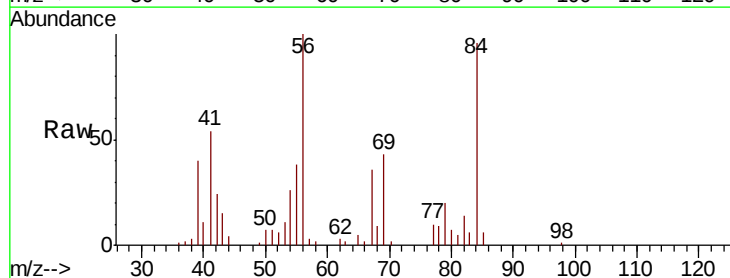
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

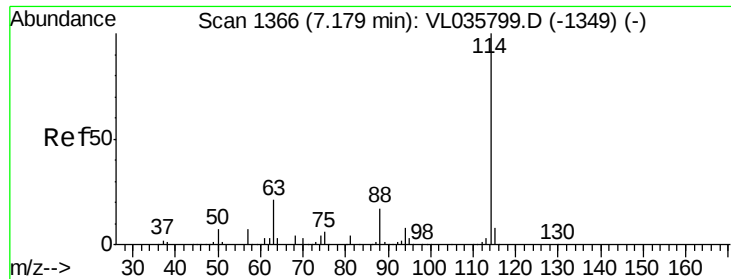
Tot Ion: 83 Resp: 164510
Ion Ratio Lower Upper
83 100
85 63.6 54.6 81.8



#30
Cyclohexane
Concen: 0.190 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

Tgt Ion: 84 Resp: 26563
Ion Ratio Lower Upper
84 100
56 104.5 86.4 129.6
41 75.3 42.1 63.1#

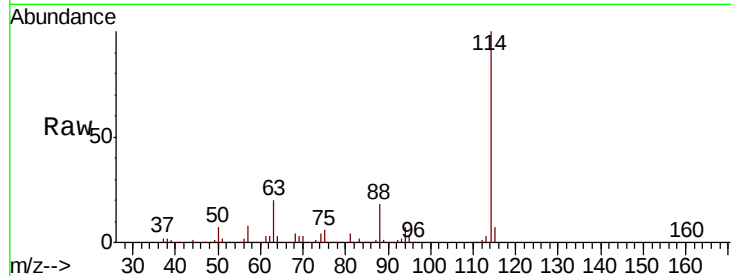




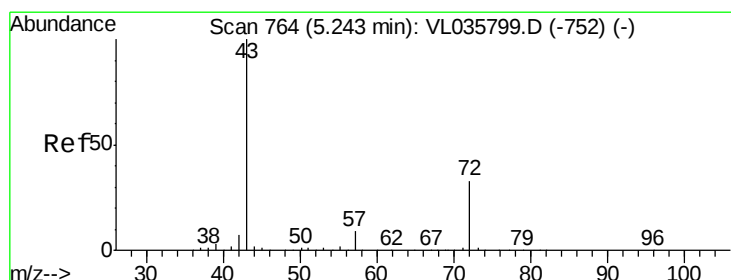
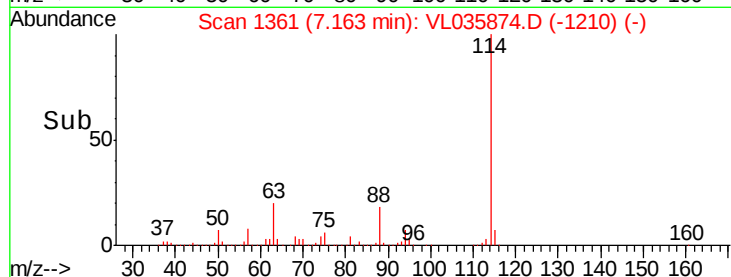
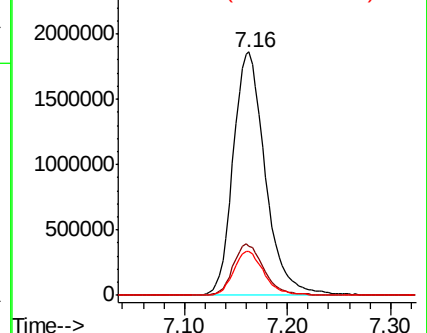
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL035874.D
 Acq: 6 Nov 2020 00:25

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Tot Ion:114 Resp: 4037928
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.1 24.1
 88 17.4 13.7 20.5

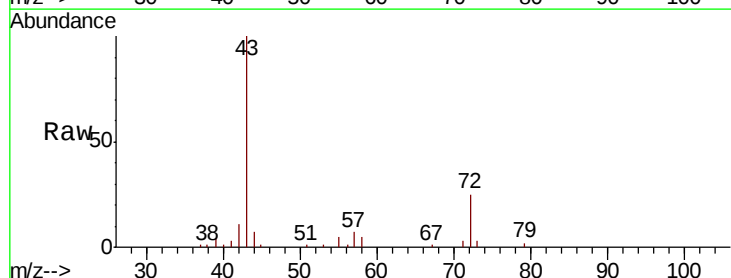


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

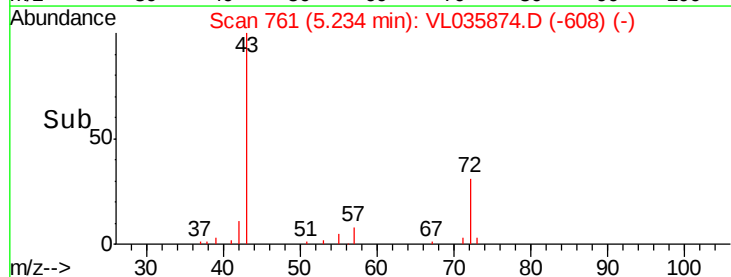
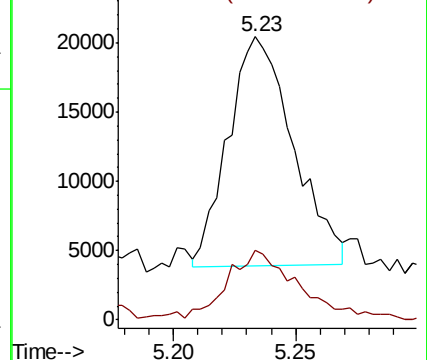


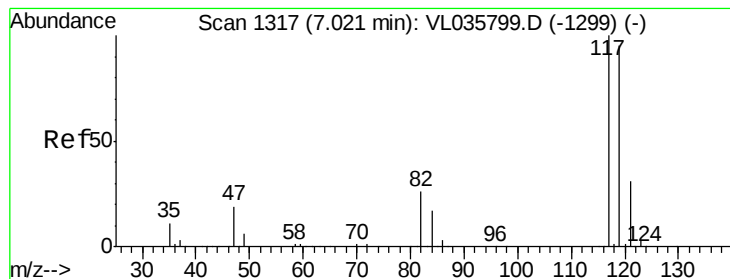
#34
 2-Butanone
 Concen: 0.234 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VL035874.D
 Acq: 6 Nov 2020 00:25

Tgt Ion: 43 Resp: 30634
 Ion Ratio Lower Upper
 43 100
 72 34.4 26.5 39.7



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





#35

Carbon Tetrachloride

Concen: 0.045 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

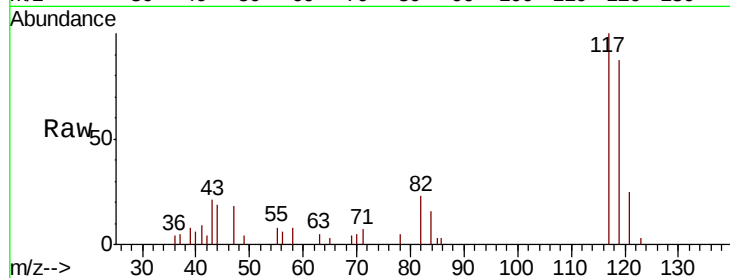
Tot Ion:117 Resp: 9732

Ion Ratio Lower Upper

117 100

119 87.4 75.6 113.4

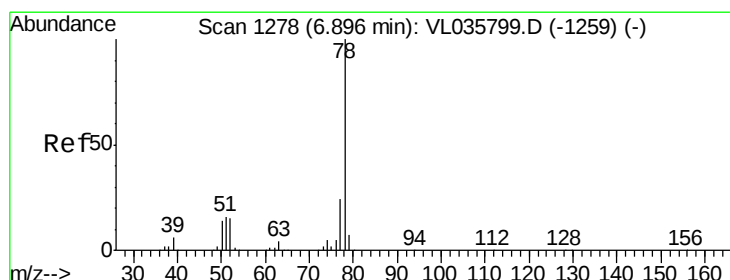
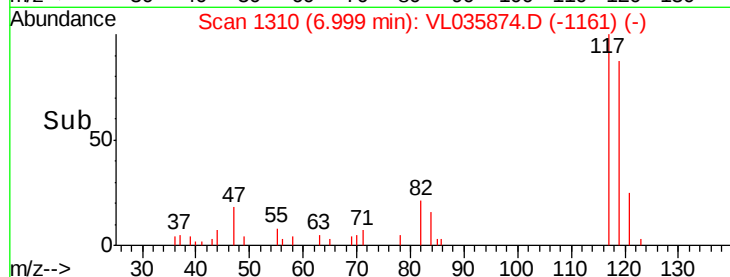
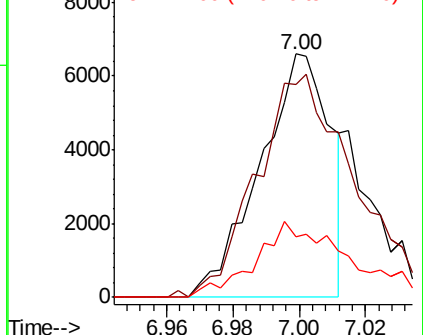
121 25.0 25.1 37.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.475 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

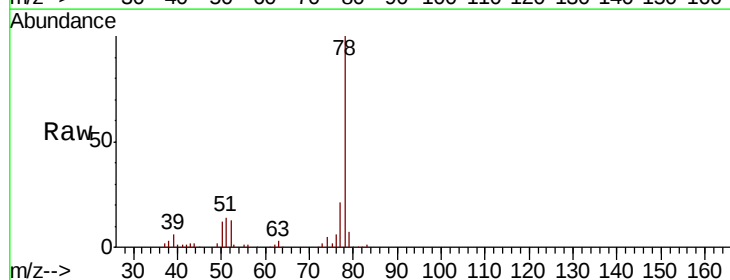
Tgt Ion: 78 Resp: 142571

Ion Ratio Lower Upper

78 100

77 21.1 19.3 28.9

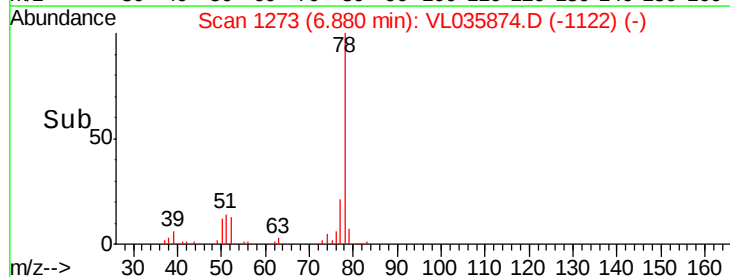
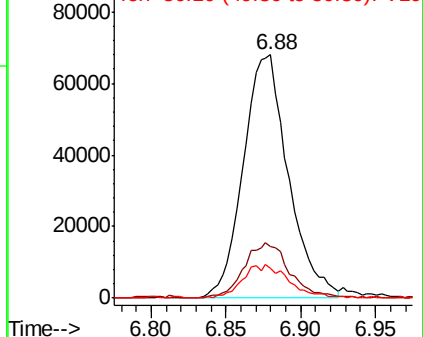
50 12.1 11.4 17.2

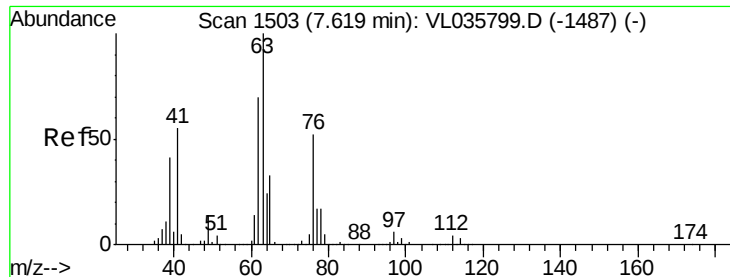


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 8.064 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.46 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

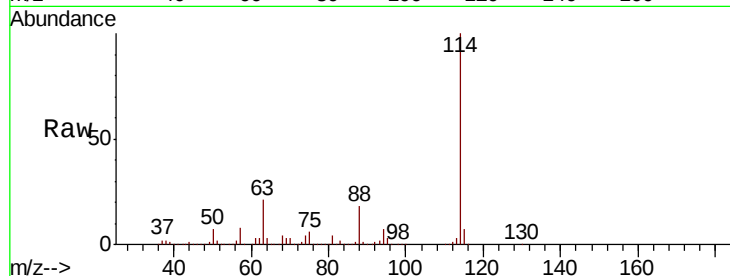
Tot Ion: 63 Resp: 815044

Ion Ratio Lower Upper

63 100

41 0.0 43.8 65.6#

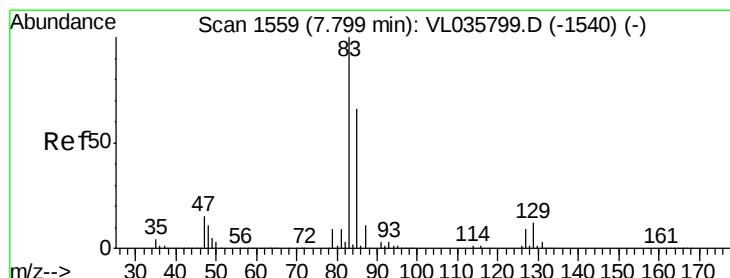
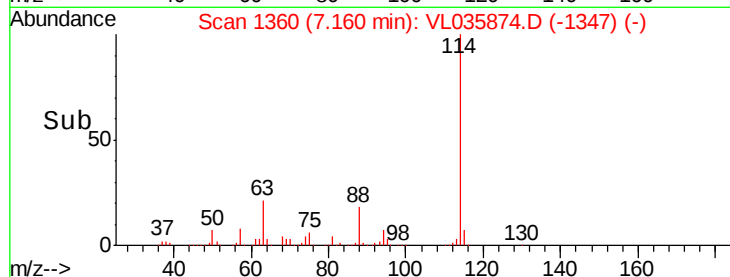
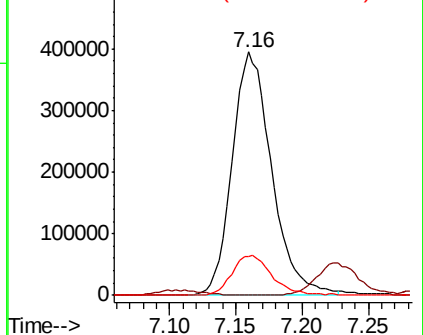
62 16.0 56.2 84.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#42

Bromodichloromethane

Concen: 0.077 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

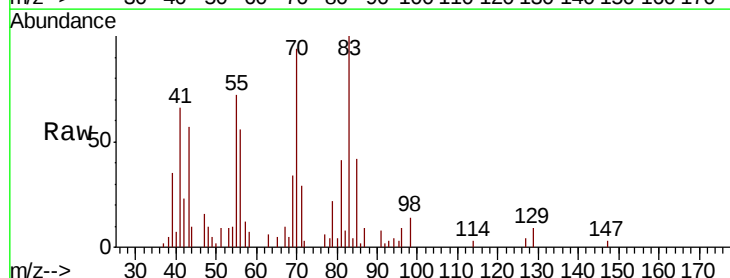
Tgt Ion: 83 Resp: 17751

Ion Ratio Lower Upper

83 100

85 43.4 53.1 79.7#

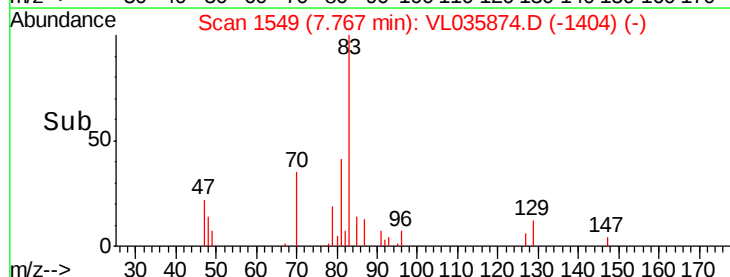
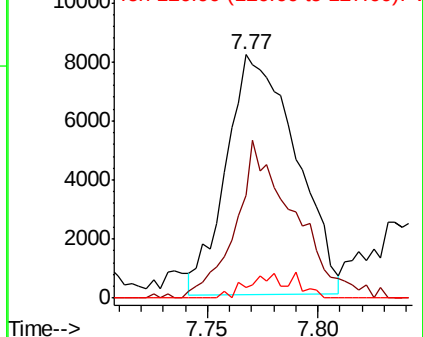
127 4.7 7.3 10.9#

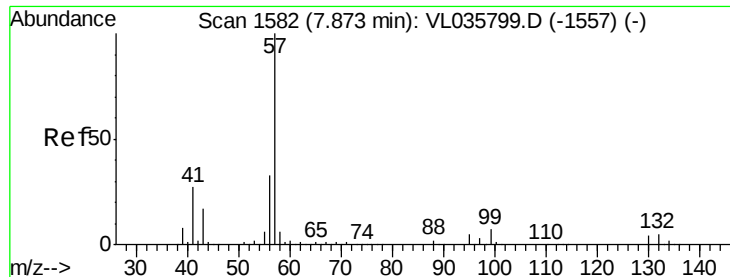


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 0.520 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

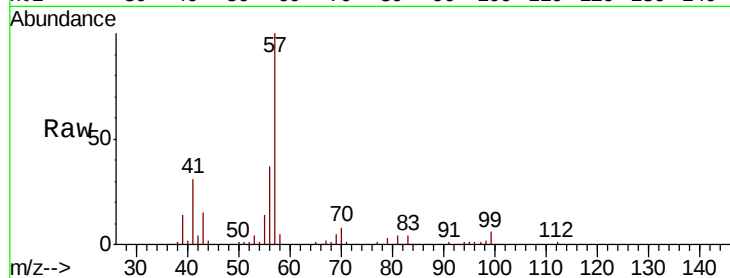
Tot Ion: 57 Resp: 206447

Ion Ratio Lower Upper

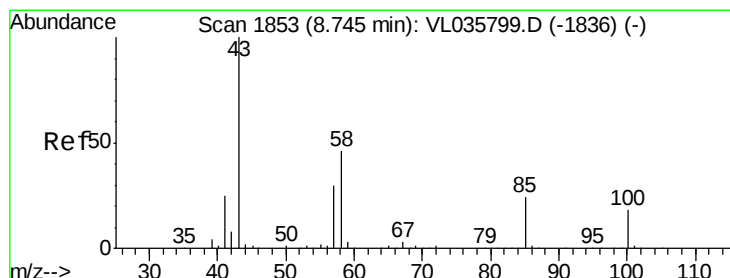
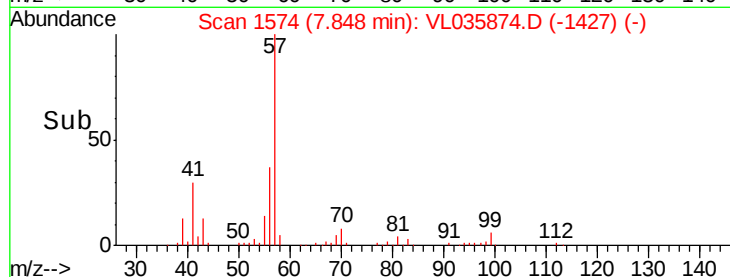
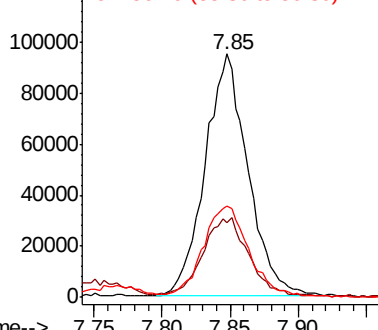
57 100

41 35.6 21.0 31.4#

56 41.3 25.4 38.0#



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



#50

4-Methyl-2-Pentanone

Concen: 0.323 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL035874.D

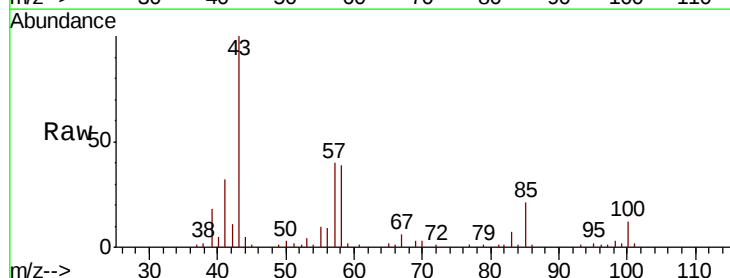
Acq: 6 Nov 2020 00:25

Tgt Ion: 43 Resp: 64640

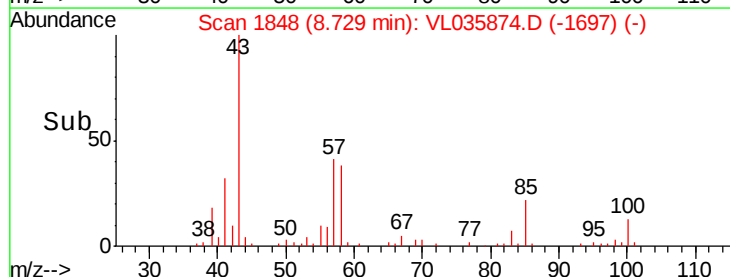
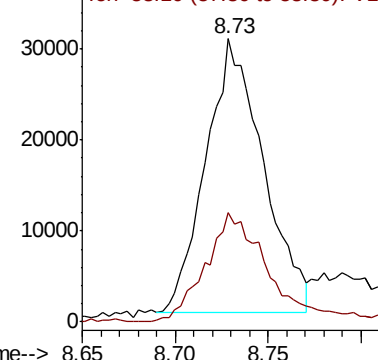
Ion Ratio Lower Upper

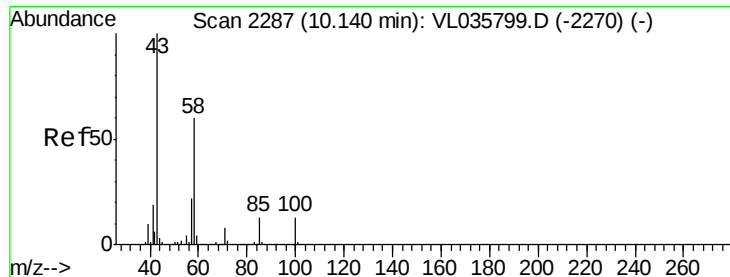
43 100

58 45.1 36.0 54.0



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





#51

2-Hexanone

Concen: 0.072 ppbv

RT: 10.09 min Scan# 2272

Delta R.T. -0.05 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

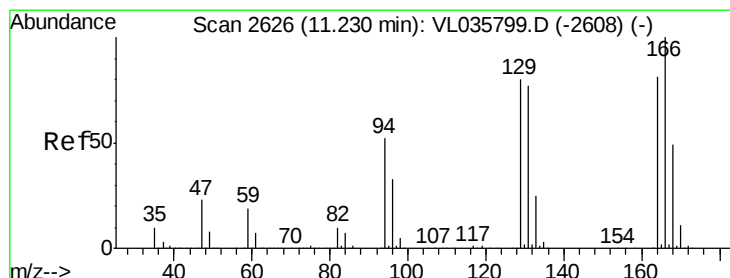
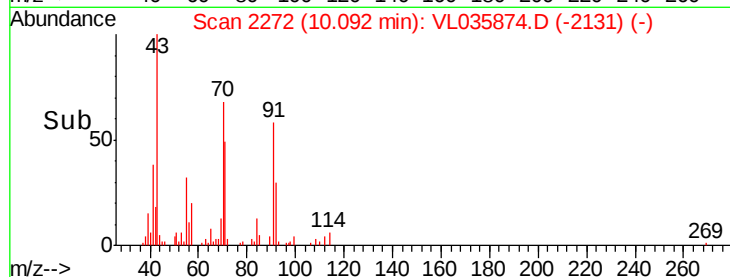
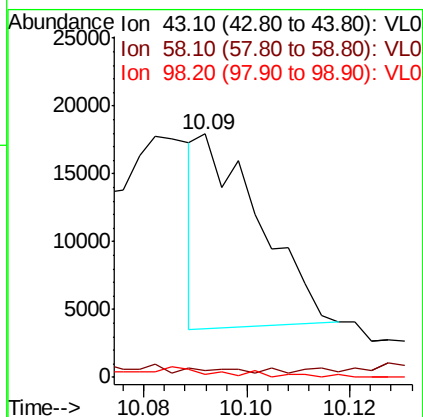
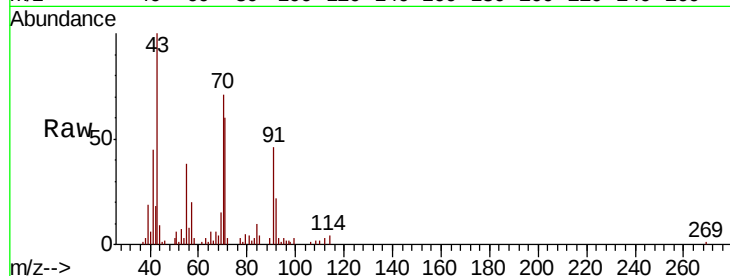
Tot Ion: 43 Resp: 11649

Ion Ratio Lower Upper

43 100

58 14.4 48.3 72.5#

98 0.0 0.6 0.8#



#52

Tetrachloroethene

Concen: 0.816 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Tgt Ion: 164 Resp: 116113

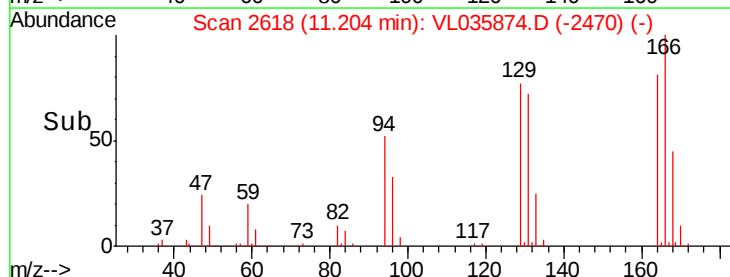
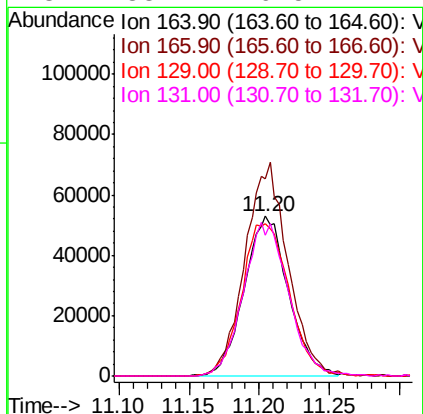
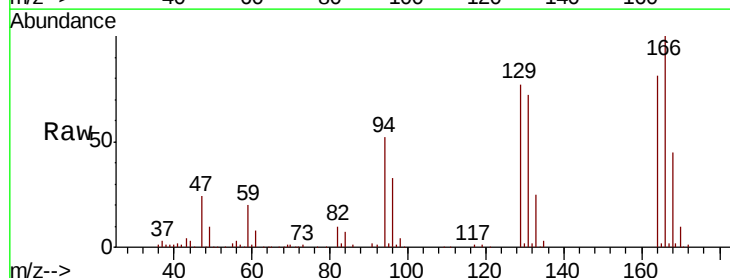
Ion Ratio Lower Upper

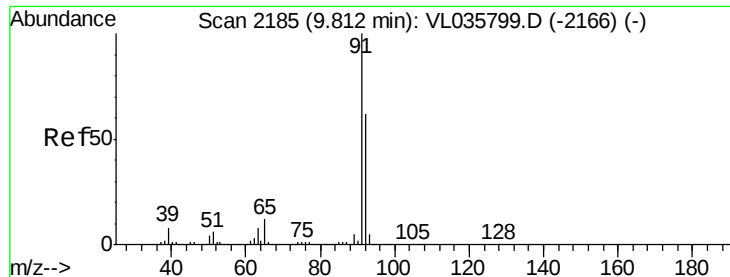
164 100

166 123.3 99.3 148.9

129 95.6 79.3 118.9

131 88.4 76.5 114.7





#53

Toluene

Concen: 43.558 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

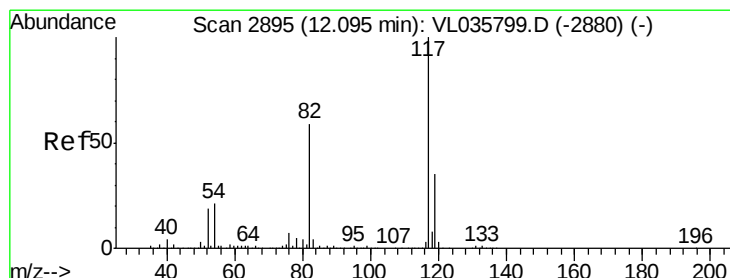
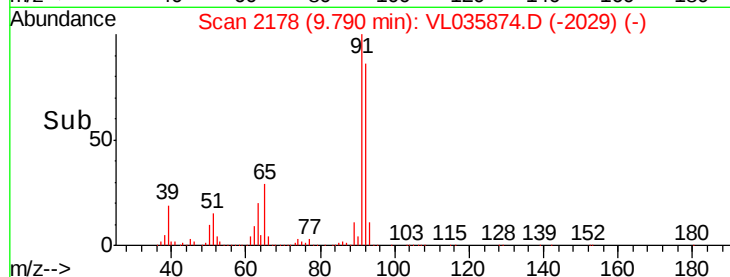
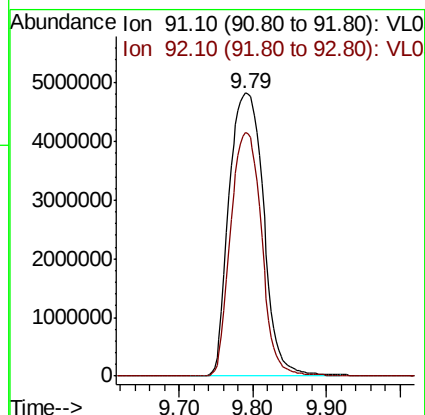
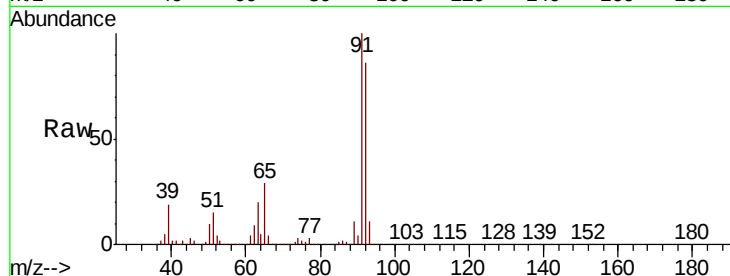
IA-1DUP

Tot Ion: 91 Resp:15777829

Ion Ratio Lower Upper

91 100

92 77.5 49.8 74.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

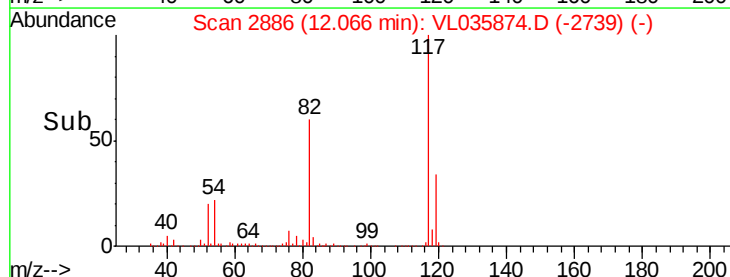
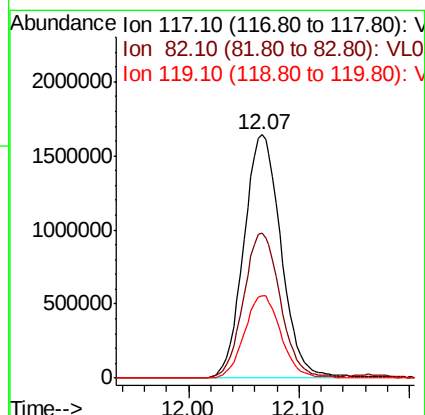
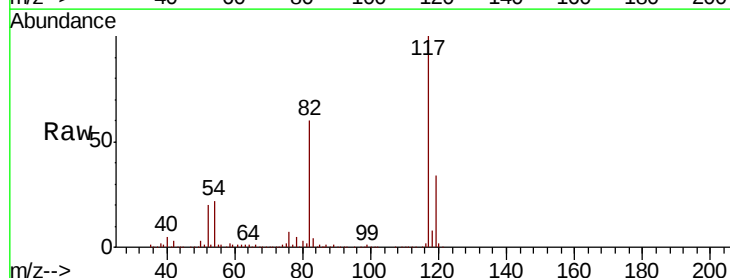
Tgt Ion:117 Resp: 3838365

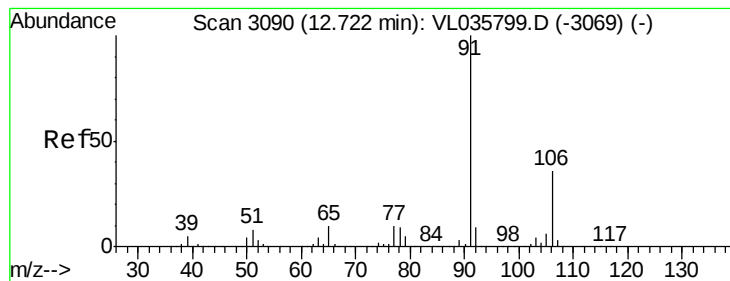
Ion Ratio Lower Upper

117 100

82 59.2 50.6 76.0

119 33.8 52.6 78.8#





#58

Ethyl Benzene

Concen: 2.741 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

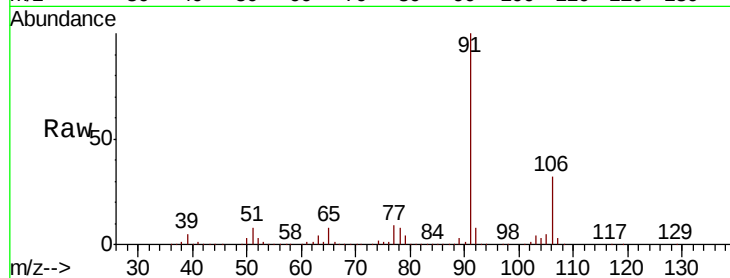
IA-1DUP

Tot Ion: 91 Resp: 1281496

Ion Ratio Lower Upper

91 100

106 31.9 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.69

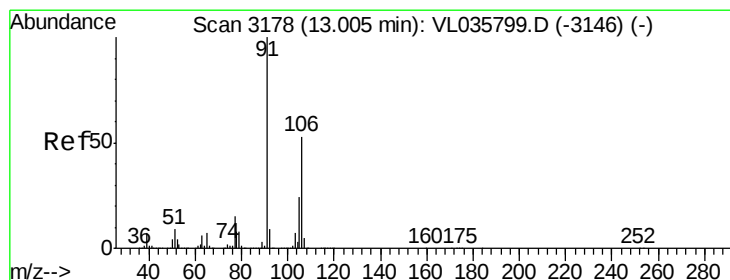
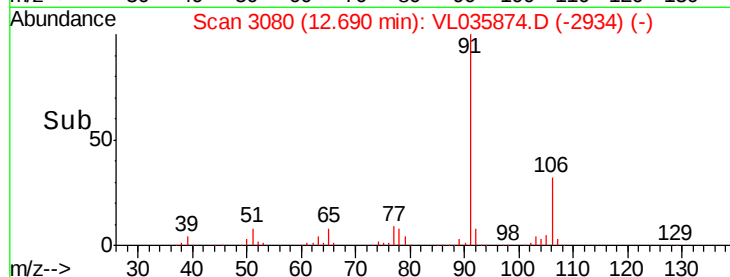
600000

400000

200000

0

Time-->



#59

m/p-Xylene

Concen: 10.612 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.06 min

Lab File: VL035874.D

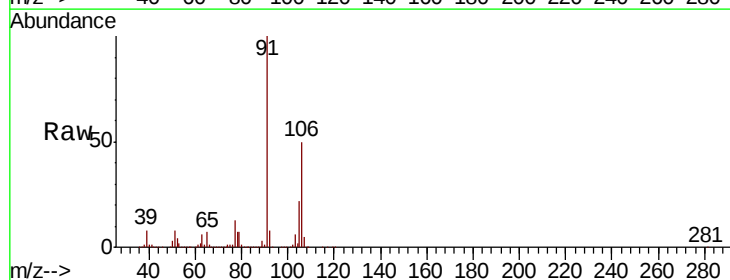
Acq: 6 Nov 2020 00:25

Tgt Ion: 91 Resp: 4197089

Ion Ratio Lower Upper

91 100

106 51.2 39.5 59.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.95

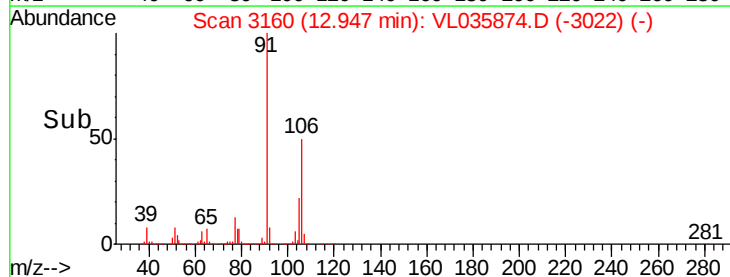
1500000

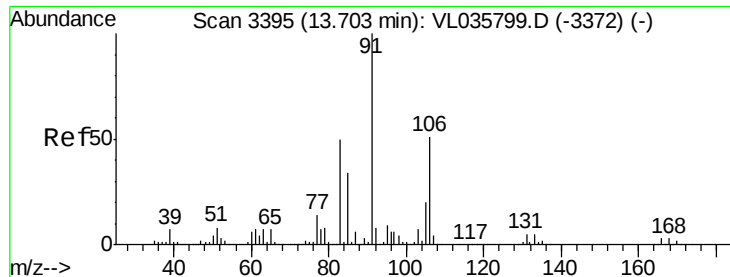
1000000

500000

0

Time-->

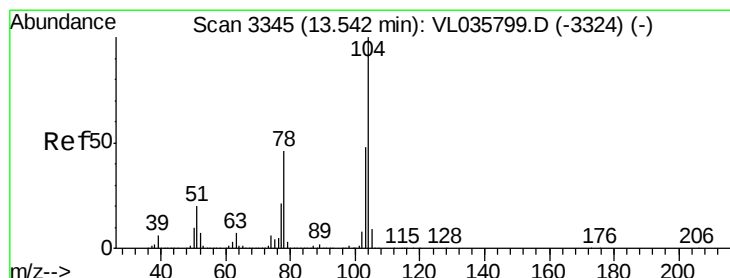
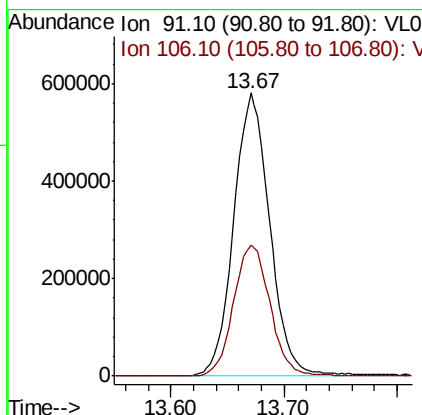
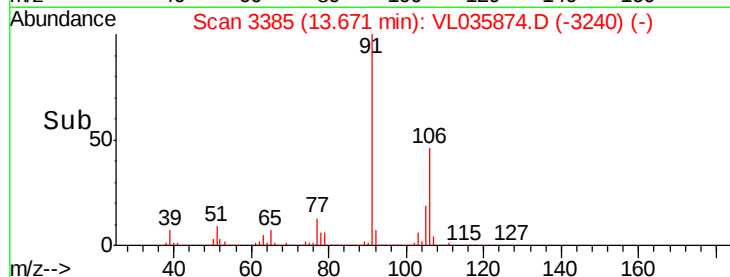
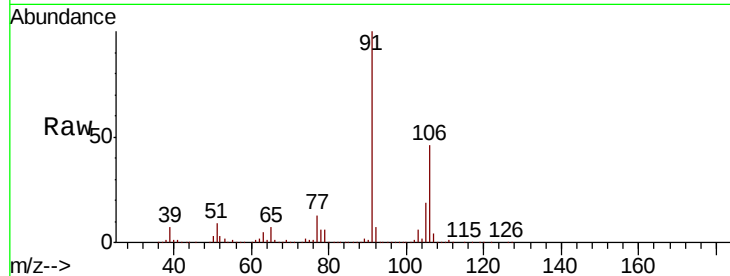




#60
o-Xylene
Concen: 3.313 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.03 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

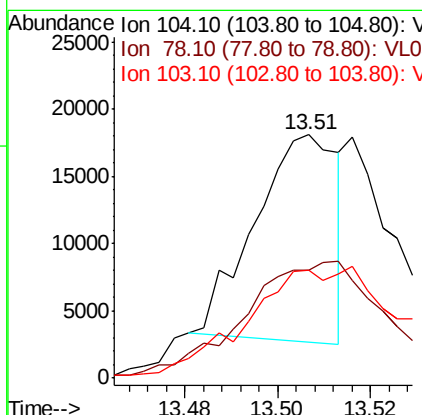
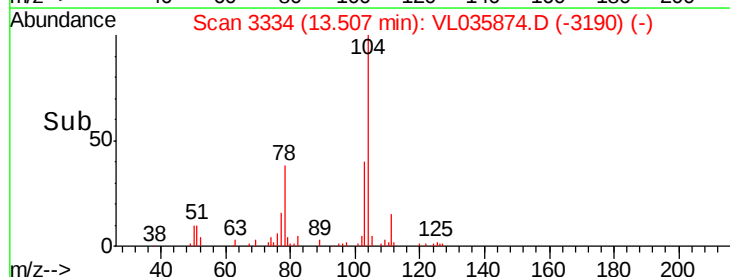
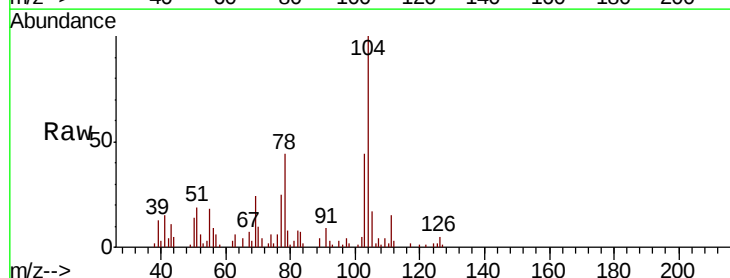
Instrument :
MSVOA_L
ClientSampled :
IA-1DUP

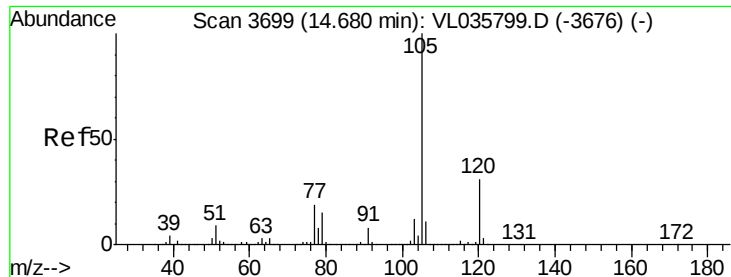
Tot Ion: 91 Resp: 1274774
Ion Ratio Lower Upper
91 100
106 47.7 24.8 74.4



#61
Styrene
Concen: 0.067 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.04 min
Lab File: VL035874.D
Acq: 6 Nov 2020 00:25

Tgt Ion:104 Resp: 19013
Ion Ratio Lower Upper
104 100
78 0.0 37.1 55.7#
103 0.0 37.9 56.9#





#62

Isopropylbenzene

Concen: 0.056 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

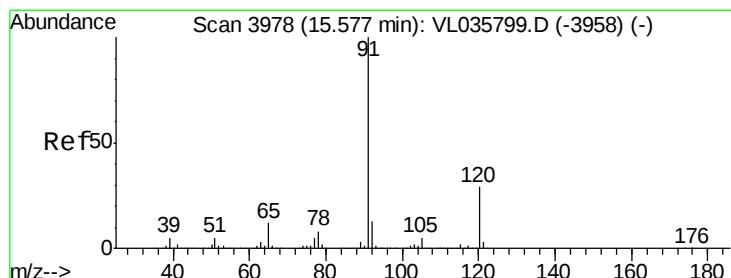
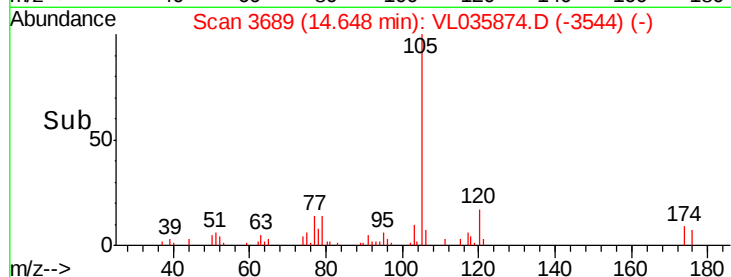
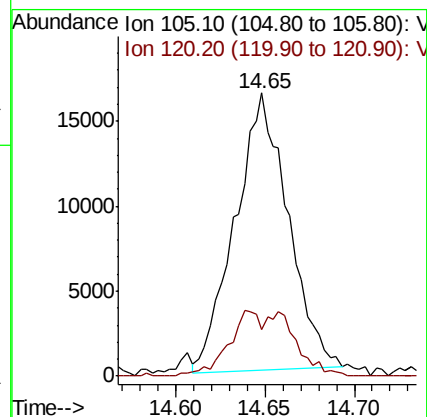
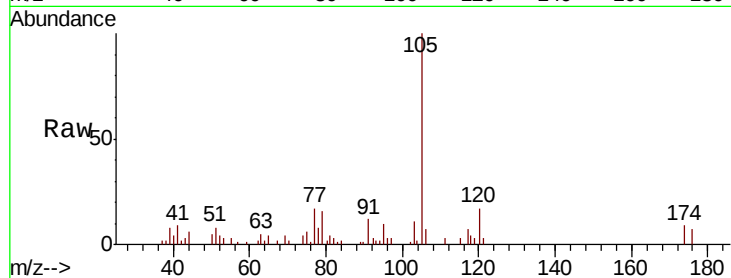
IA-1DUP

Tot Ion:105 Resp: 33899

Ion Ratio Lower Upper

105 100

120 27.9 23.5 35.3



#64

n-propylbenzene

Concen: 0.095 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.03 min

Lab File: VL035874.D

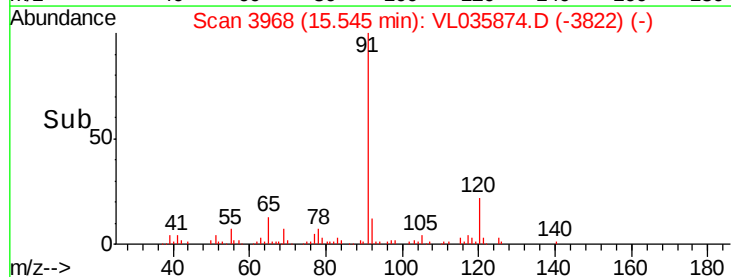
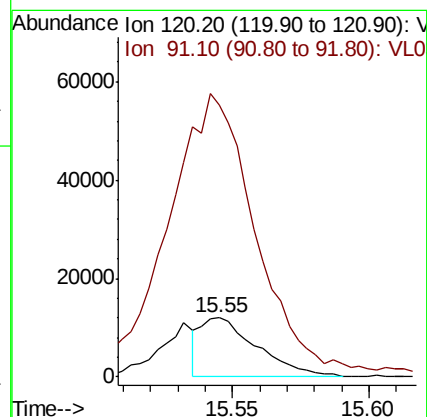
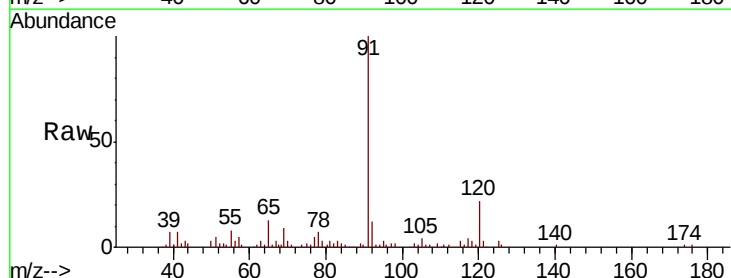
Acq: 6 Nov 2020 00:25

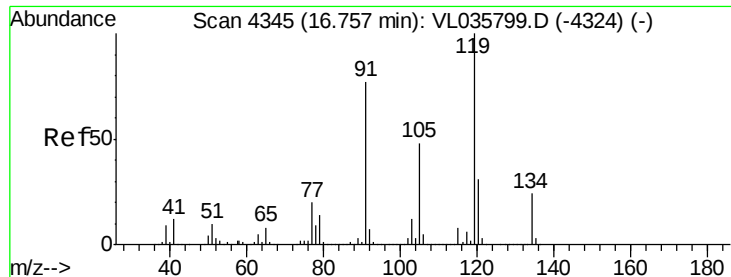
Tgt Ion:120 Resp: 16563

Ion Ratio Lower Upper

120 100

91 769.1 311.1 466.7#





#65

tert-Butylbenzene

Concen: 0.094 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.02 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

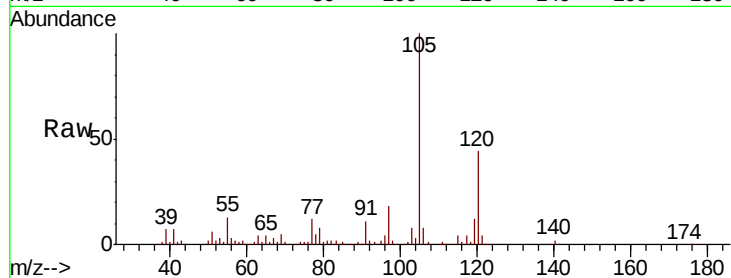
Tot Ion:119 Resp: 51923

Ion Ratio Lower Upper

119 100

91 111.3 62.0 93.0#

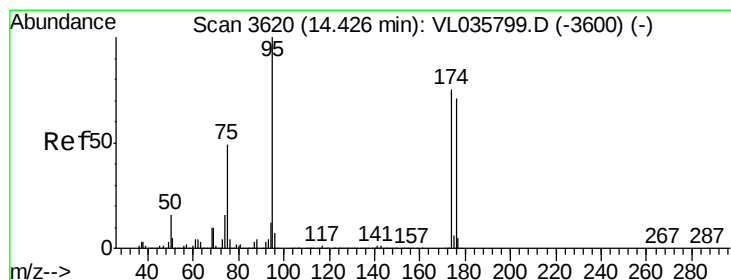
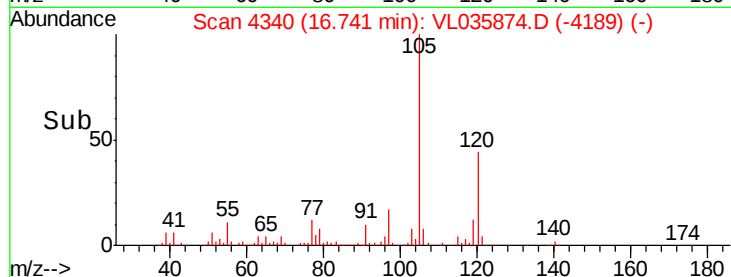
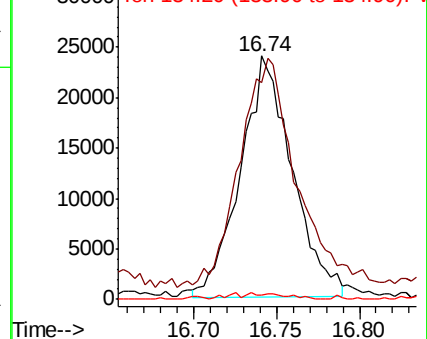
134 3.1 17.8 26.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.214 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

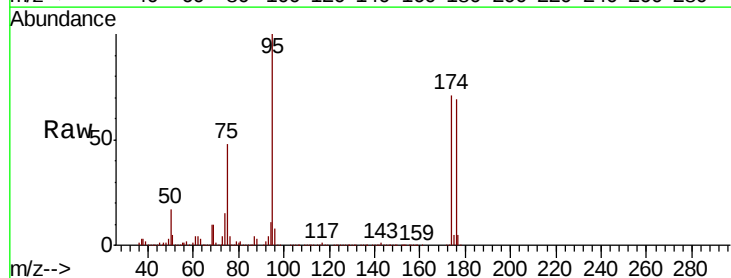
Tgt Ion: 95 Resp: 2785423

Ion Ratio Lower Upper

95 100

174 73.1 59.8 89.6

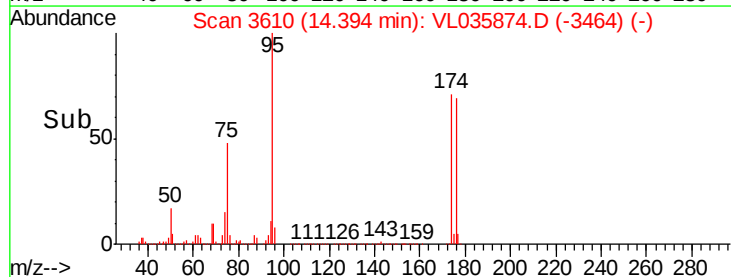
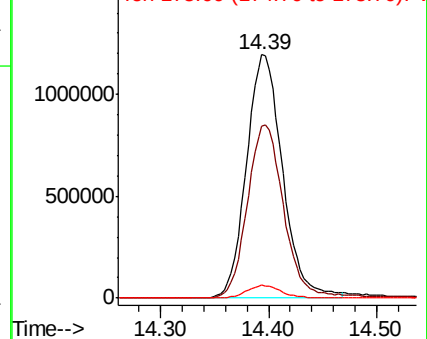
175 5.2 4.3 6.5

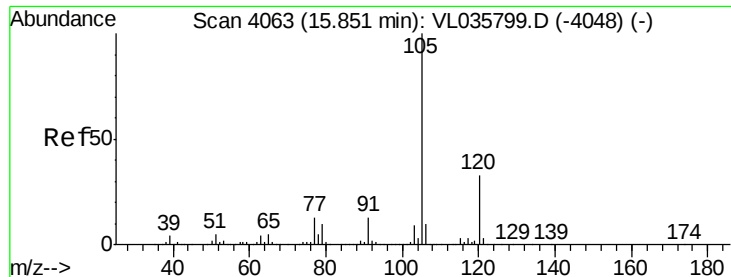


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.352 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

Tot Ion:105 Resp: 164365

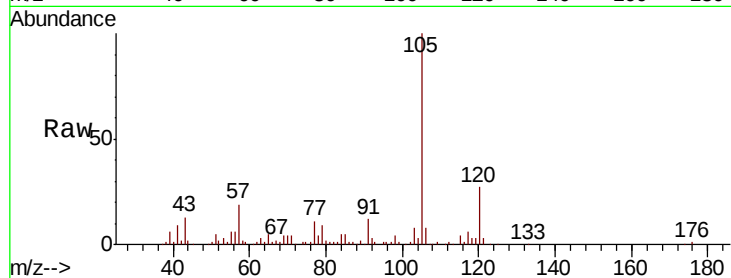
Ion Ratio Lower Upper

105 100

120 34.6 25.9 38.9

91 13.4 9.9 14.9

77 14.8 10.2 15.2



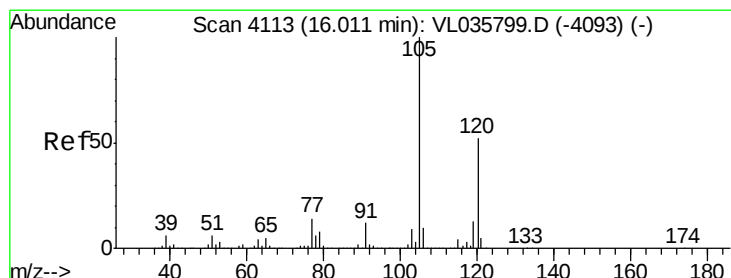
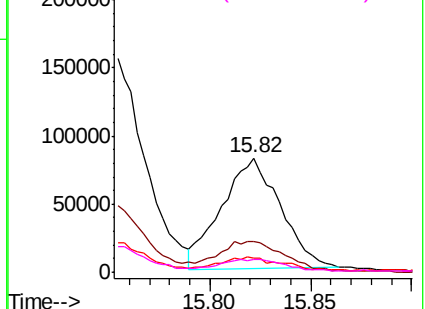
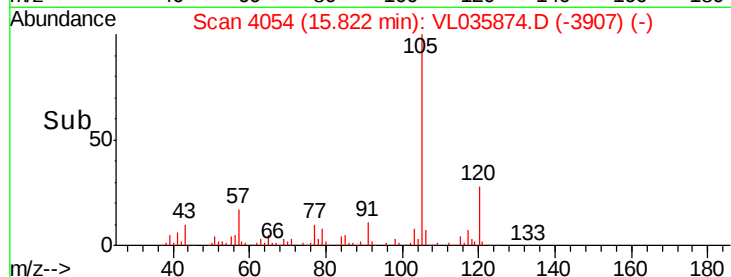
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.319 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. -0.04 min

Lab File: VL035874.D

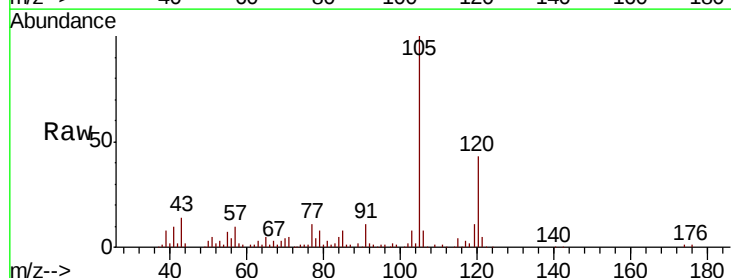
Acq: 6 Nov 2020 00:25

Tgt Ion:105 Resp: 136432

Ion Ratio Lower Upper

105 100

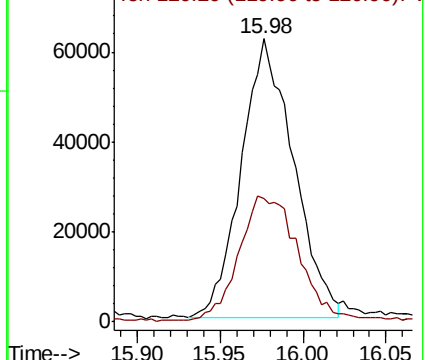
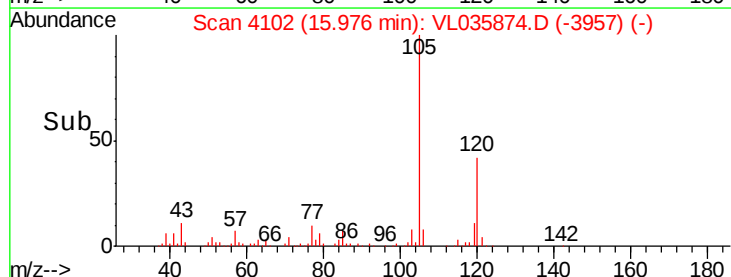
120 43.6 41.4 62.2

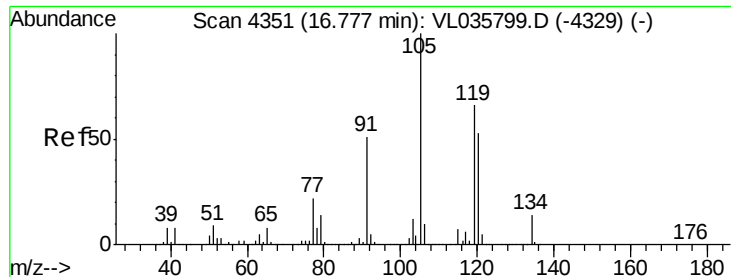


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.971 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

Tot Ion:105 Resp: 444147

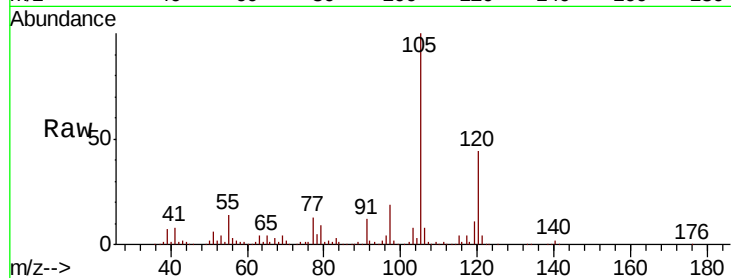
Ion Ratio Lower Upper

105 100

120 43.7 42.0 63.0

91 11.2 41.0 61.6#

77 12.6 17.3 25.9#

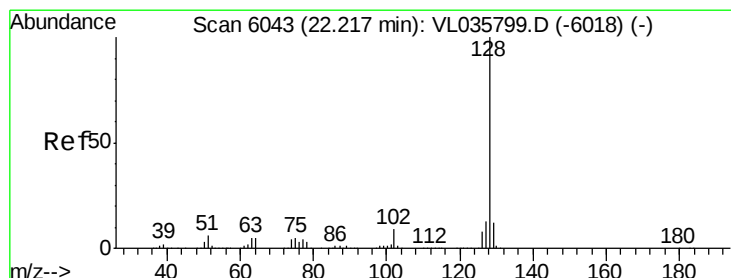
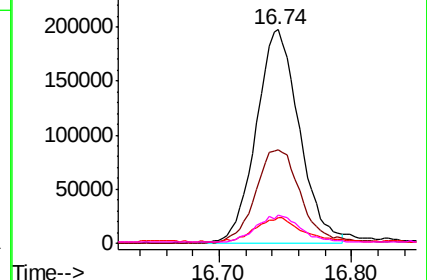
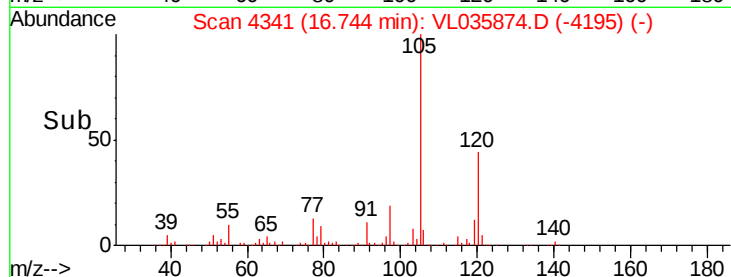


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.034 ppbv

RT: 22.18 min Scan# 6033

Delta R.T. -0.03 min

Lab File: VL035874.D

Acq: 6 Nov 2020 00:25

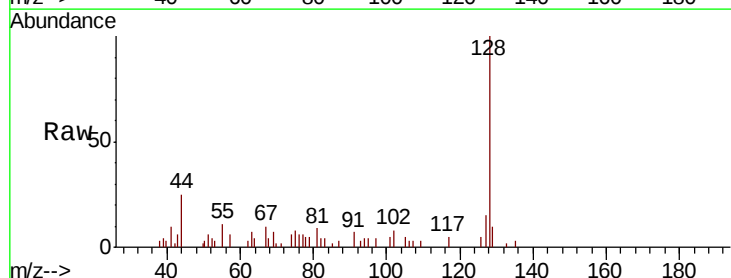
Tgt Ion:128 Resp: 10897

Ion Ratio Lower Upper

128 100

127 15.9 10.2 15.4#

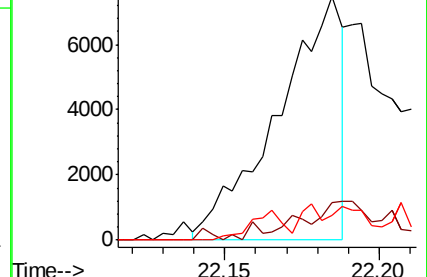
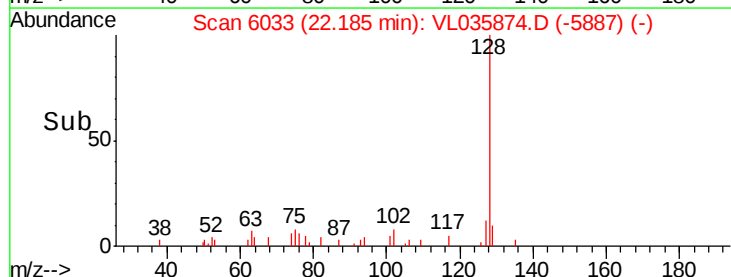
129 10.4 9.2 13.8

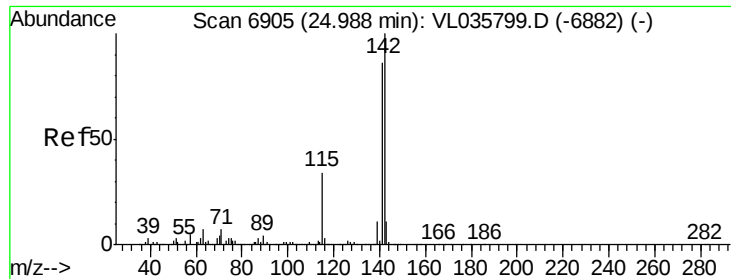


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

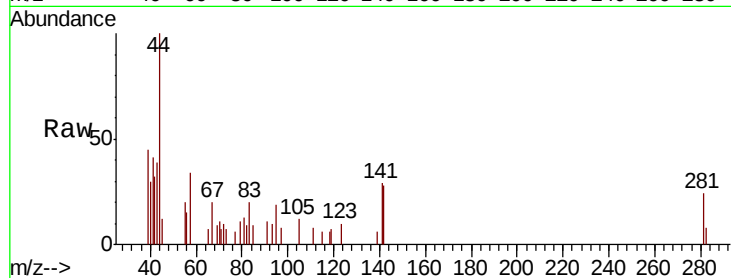




#80
 Naphthalene, 2-methyl-
 Concen: 0.032 ppbv
 RT: 24.98 min Scan# 6902
 Delta R.T. -0.01 min
 Lab File: VL035874.D
 Acq: 6 Nov 2020 00:25

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	67.8	101.8
115	29.8	28.1	42.1



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

