

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035873.D
 Acq On : 5 Nov 2020 23:44
 Operator : SY/AP
 Sample : L4618-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Quant Time: Nov 06 00:30:20 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

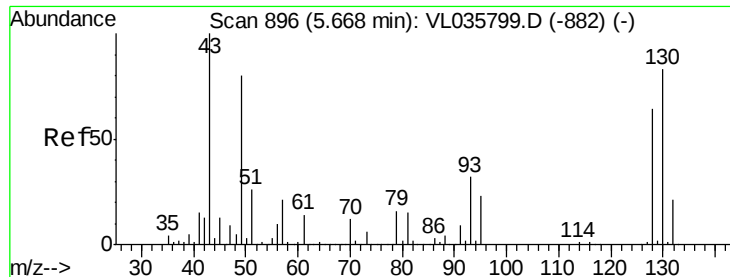
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1056033	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3875579	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3751898	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2772871	10.40	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	52167	0.262	ppbv	97
3) Chlorodifluoromethane	2.97	51	39303	0.311	ppbv	96
4) Chloromethane	3.12	50	31301	0.509	ppbv	97
9) Propene	3.18	41	170563	3.685	ppbv	94
10) Heptane	8.10	43	208470	1.631	ppbv	97
11) Trichlorofluoromethane	3.92	101	56162	0.225	ppbv	94
13) Ethanol	3.59	45	99591	9.918	ppbv	100
15) Acetone	3.83	43	24466147	216.707	ppbv #	61
16) 1,3-Butadiene	3.33	39	2025936	41.679	ppbv #	1
17) tert-Butyl alcohol	4.29	59	20776	0.139	ppbv #	72
19) Isopropyl Alcohol	3.95	45	9314	0.134	ppbv #	90
20) Methylene Chloride	4.34	84	126352	1.590	ppbv	96
23) Vinyl Acetate	5.04	43	22956	0.145	ppbv #	2
25) Ethyl Acetate	5.66	43	65954	0.297	ppbv #	77
26) Hexane	5.66	57	106100	0.865	ppbv #	44
29) Chloroform	5.74	83	155062	0.643	ppbv	100
34) 2-Butanone	5.24	43	27868	0.222	ppbv	98
36) Benzene	6.88	78	53954	0.187	ppbv	96
39) 1,2-Dichloropropane	7.16	63	786695	8.110	ppbv #	30
42) Bromodichloromethane	7.77	83	16150	0.073	ppbv #	83
44) 2,2,4-Trimethylpentane	7.85	57	184099	0.483	ppbv #	79
50) 4-Methyl-2-Pentanone	8.73	43	58179	0.302	ppbv	94
51) 2-Hexanone	10.09	43	31809	0.206	ppbv #	27
52) Tetrachloroethene	11.20	164	110550	0.810	ppbv	97
53) Toluene	9.79	91	15509212	44.610	ppbv #	80
58) Ethyl Benzene	12.69	91	1203203	2.633	ppbv	93
59) m/p-Xylene	12.94	91	4060453	10.503	ppbv	98
60) o-Xylene	13.67	91	1213537	3.227	ppbv	97
61) Styrene	13.51	104	36543	0.133	ppbv	93
62) Isopropylbenzene	14.64	105	31487	0.053	ppbv	95
64) n-propylbenzene	15.54	120	25850	0.151	ppbv	72
65) tert-Butylbenzene	16.74	119	49642	0.092	ppbv #	59
71) 2-Chlorotoluene	15.54	91	116883	0.270	ppbv #	40
72) 4-Ethyltoluene	15.82	105	148585	0.326	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.98	105	129966	0.311	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	423506	0.947	ppbv #	69
80) Naphthalene,2-methyl-	24.99	142	1740	0.034	ppbv #	33

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035873.D

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Instrument :

MSVOA_L

ClientSampleId :

IA-1

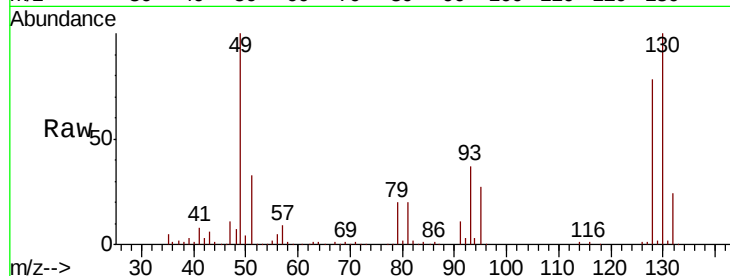
Tot Ion: 49 Resp: 1056033

Ion Ratio Lower Upper

49 100

128 78.7 41.5 124.6

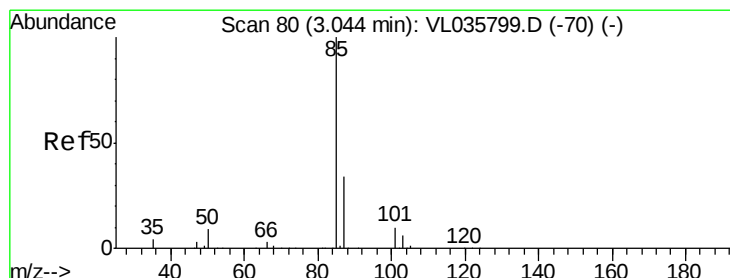
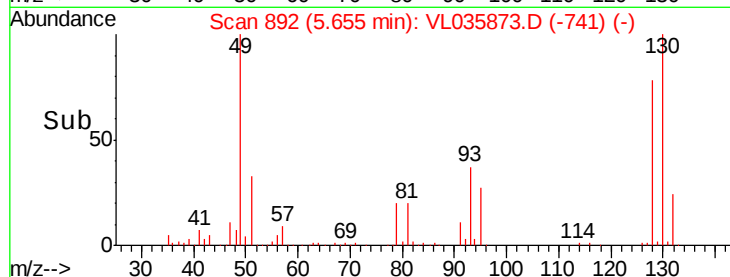
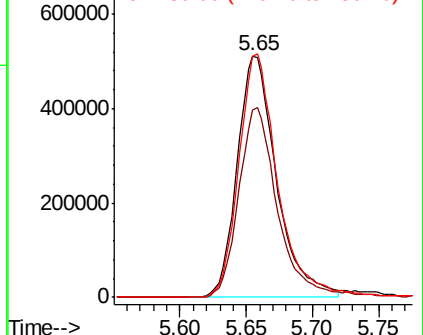
130 100.8 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.262 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035873.D

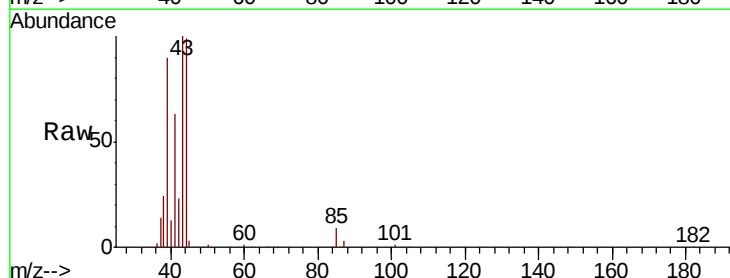
Acq: 5 Nov 2020 23:44

Tgt Ion: 85 Resp: 52167

Ion Ratio Lower Upper

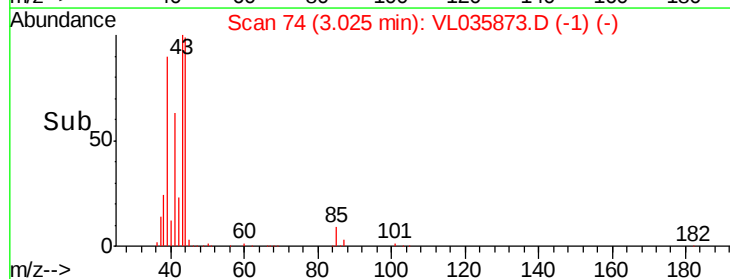
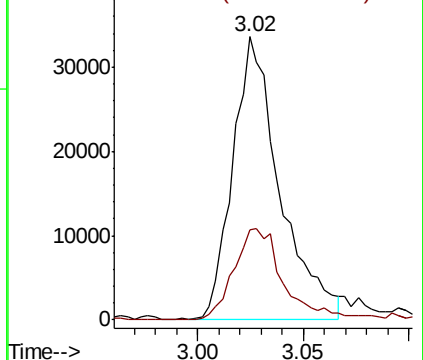
85 100

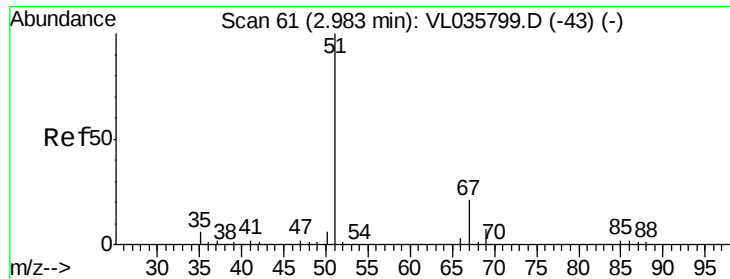
87 32.0 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.311 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

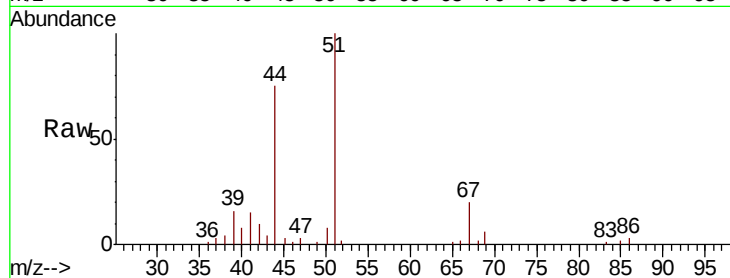
IA-1

Tot Ion: 51 Resp: 39303

Ion Ratio Lower Upper

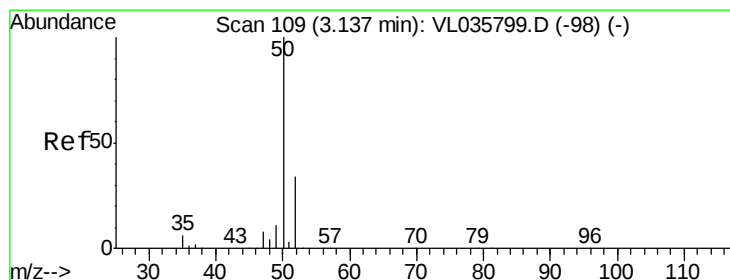
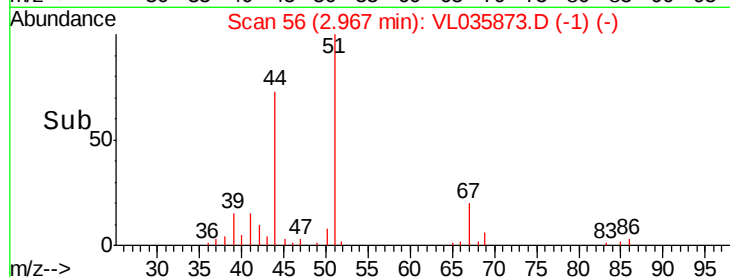
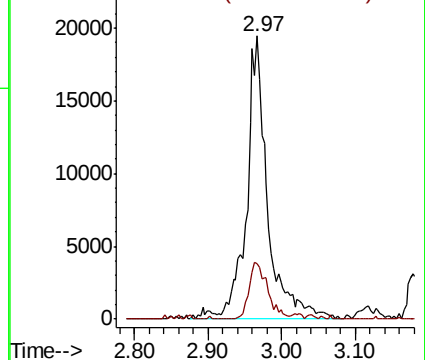
51 100

67 19.4 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: 0.509 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL035873.D

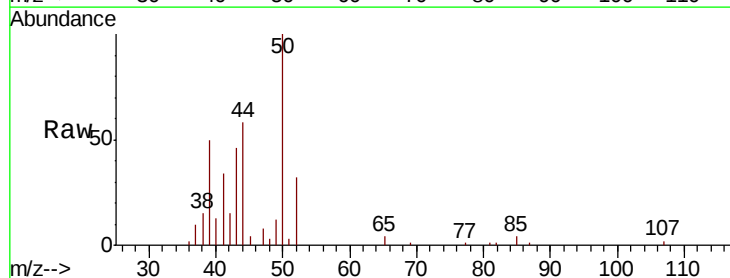
Acq: 5 Nov 2020 23:44

Tgt Ion: 50 Resp: 31301

Ion Ratio Lower Upper

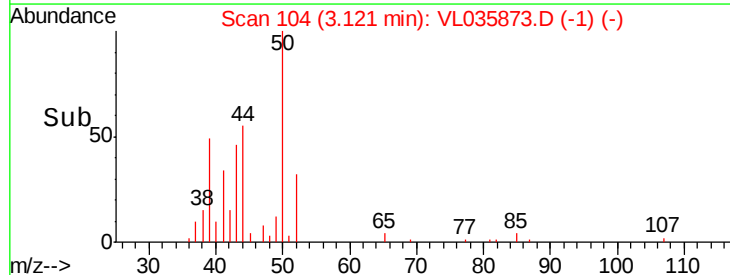
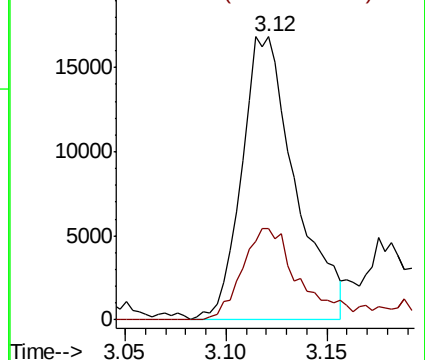
50 100

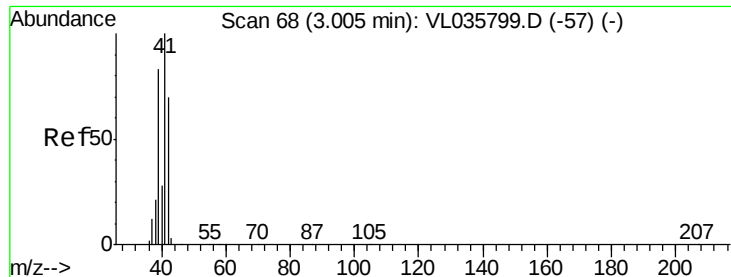
52 32.2 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 3.685 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.18 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

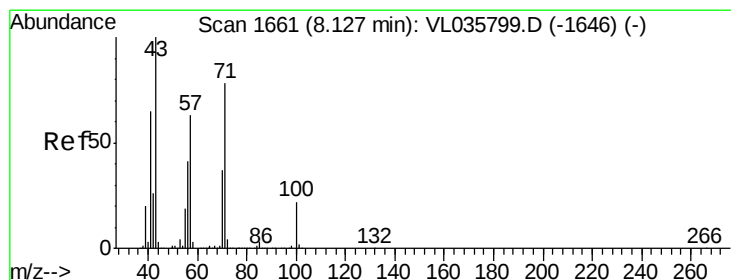
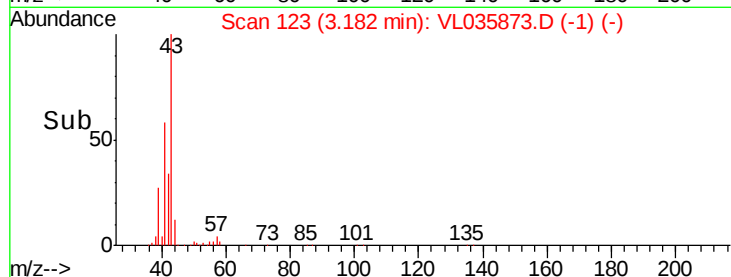
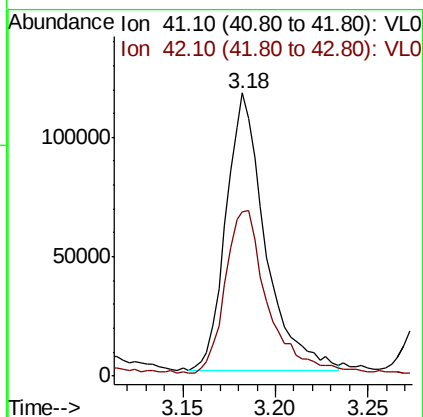
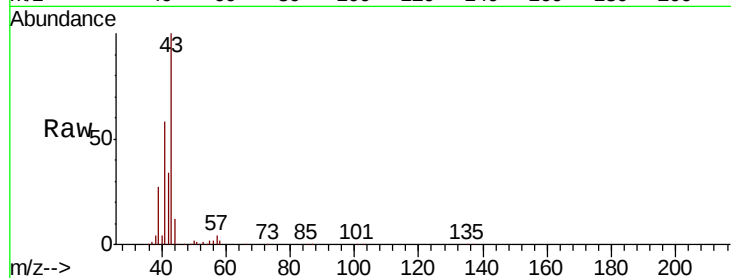
IA-1

Tot Ion: 41 Resp: 170563

Ion Ratio Lower Upper

41 100

42 65.0 56.2 84.4



#10

Heptane

Concen: 1.631 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL035873.D

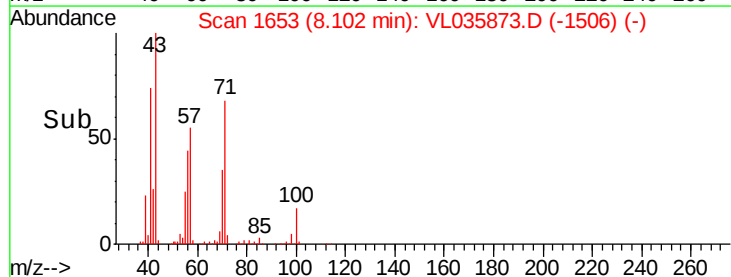
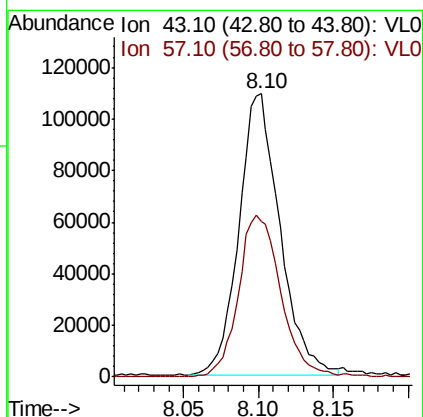
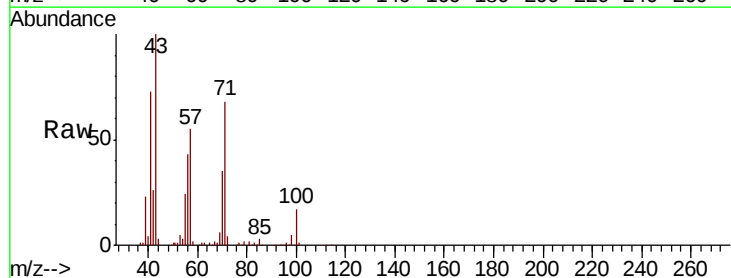
Acq: 5 Nov 2020 23:44

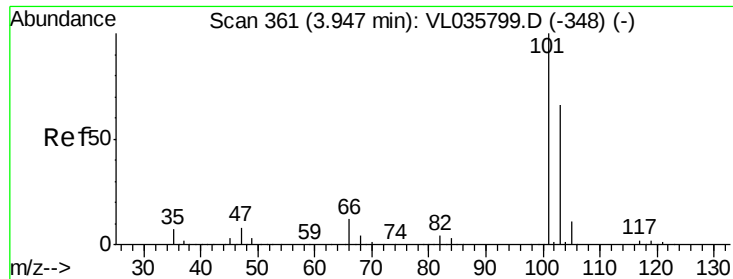
Tgt Ion: 43 Resp: 208470

Ion Ratio Lower Upper

43 100

57 60.0 50.0 75.0

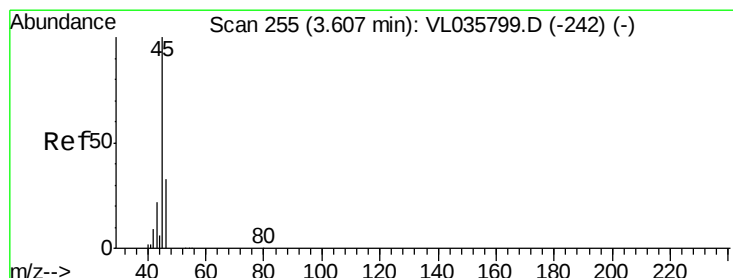
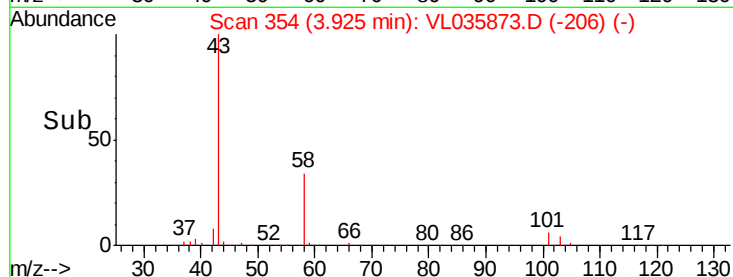
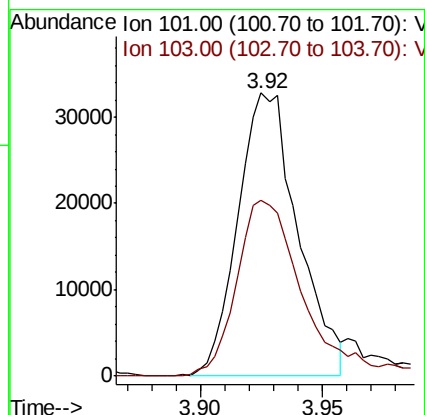
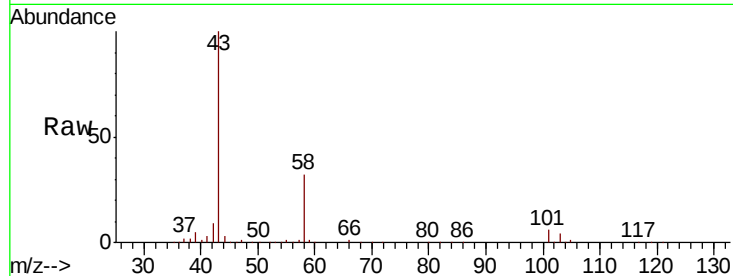




#11
 Trichlorofluoromethane
 Concen: 0.225 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.02 min
 Lab File: VL035873.D
 Acq: 5 Nov 2020 23:44

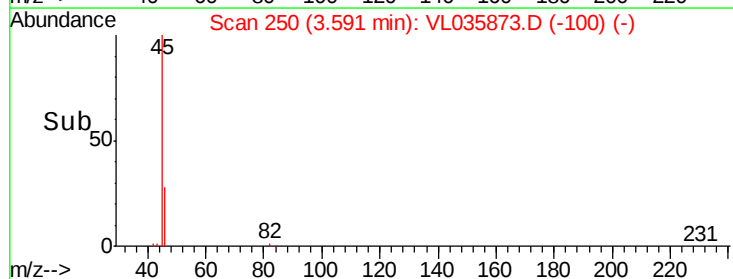
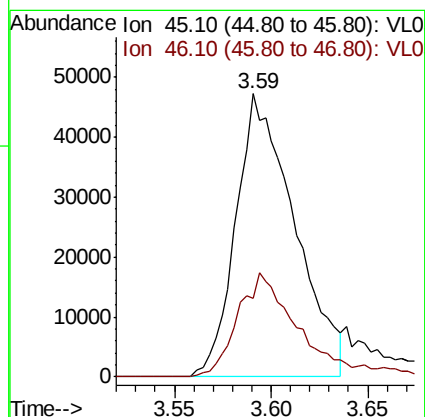
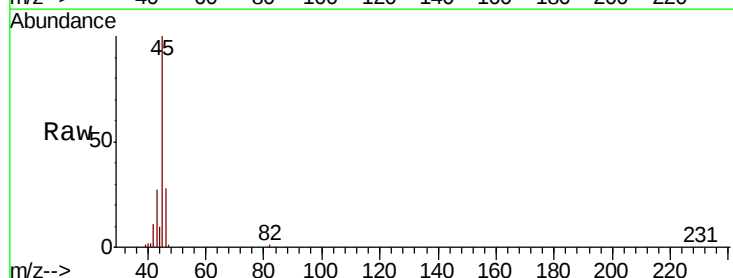
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

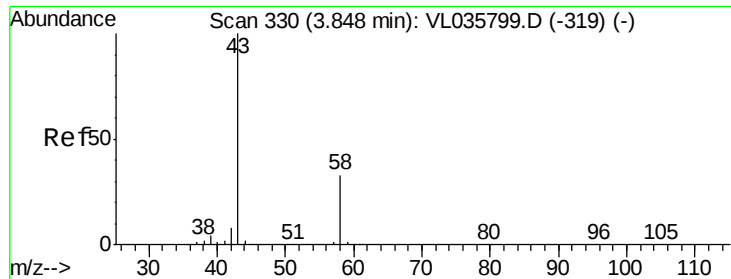
Tot Ion:101 Resp: 56162
 Ion Ratio Lower Upper
 101 100
 103 61.1 53.0 79.4



#13
 Ethanol
 Concen: 9.918 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VL035873.D
 Acq: 5 Nov 2020 23:44

Tgt Ion: 45 Resp: 99591
 Ion Ratio Lower Upper
 45 100
 46 40.1 16.1 64.5





#15

Acetone

Concen: 216.707 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

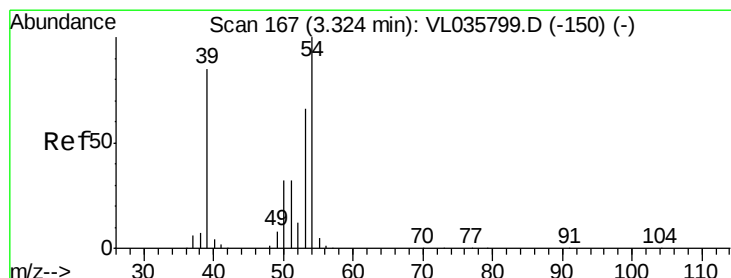
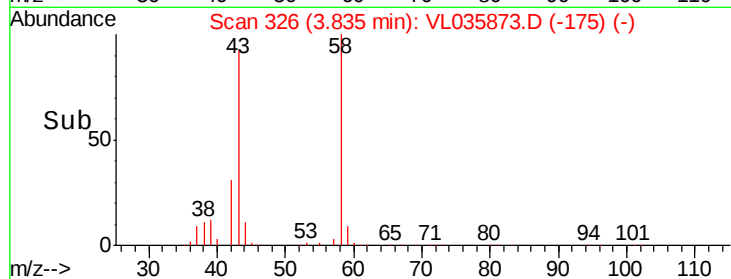
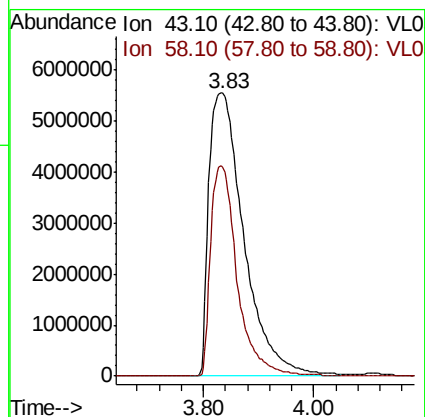
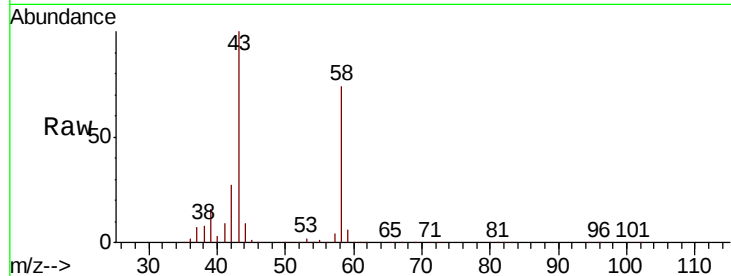
IA-1

Tot Ion: 43 Resp:24466147

Ion Ratio Lower Upper

43 100

58 56.9 27.5 41.3#



#16

1,3-Butadiene

Concen: 41.679 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL035873.D

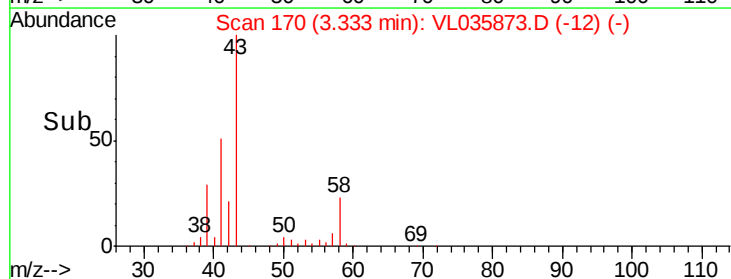
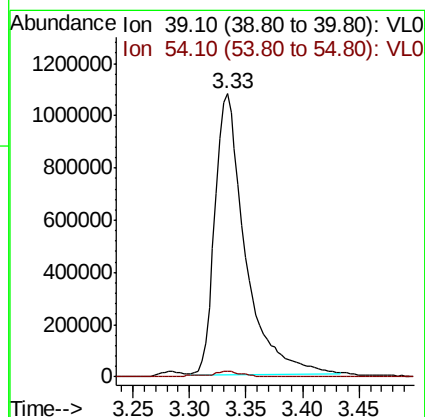
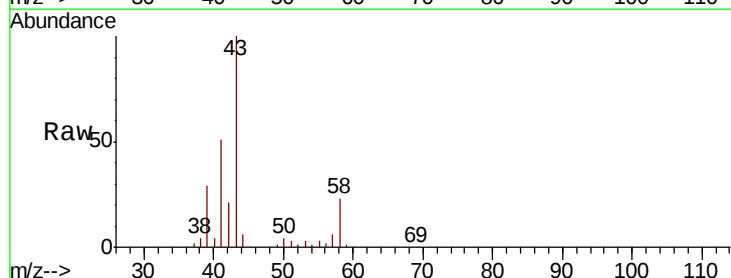
Acq: 5 Nov 2020 23:44

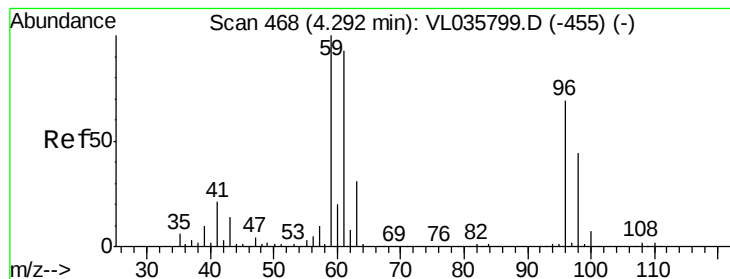
Tgt Ion: 39 Resp: 2025936

Ion Ratio Lower Upper

39 100

54 2.6 87.1 130.7#





#17

tert-Butyl alcohol

Concen: 0.139 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

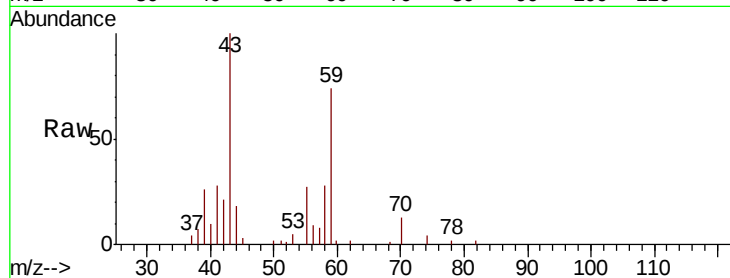
IA-1

Tot Ion: 59 Resp: 20776

Ion Ratio Lower Upper

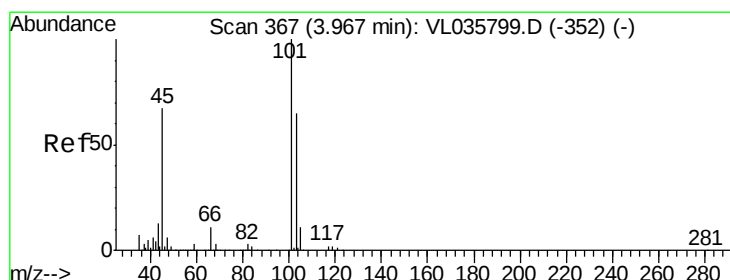
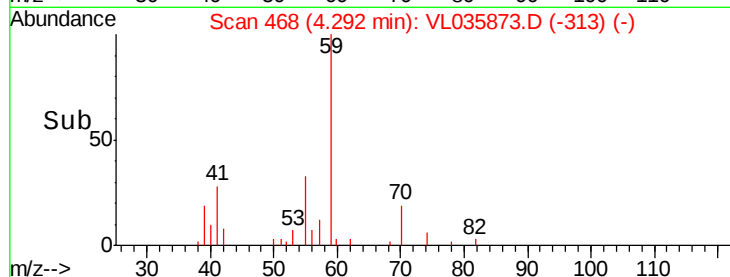
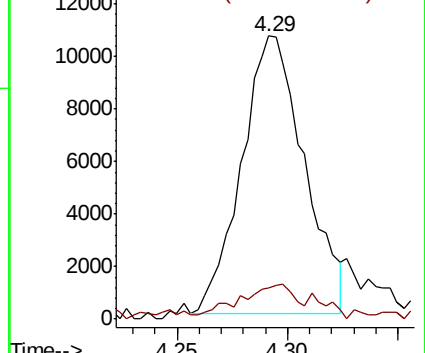
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.134 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL035873.D

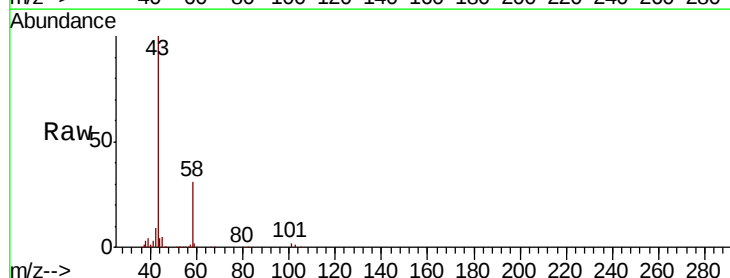
Acq: 5 Nov 2020 23:44

Tgt Ion: 45 Resp: 9314

Ion Ratio Lower Upper

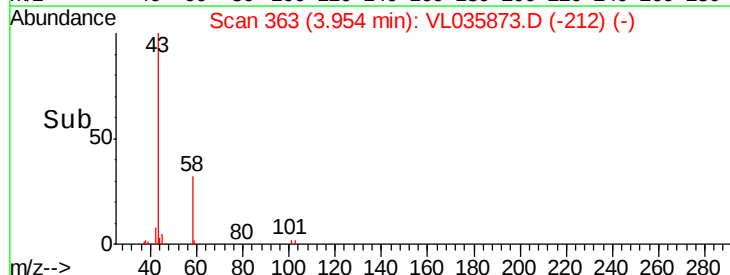
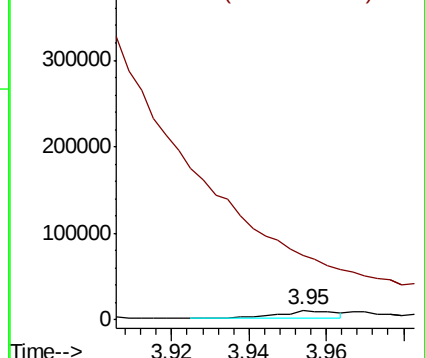
45 100

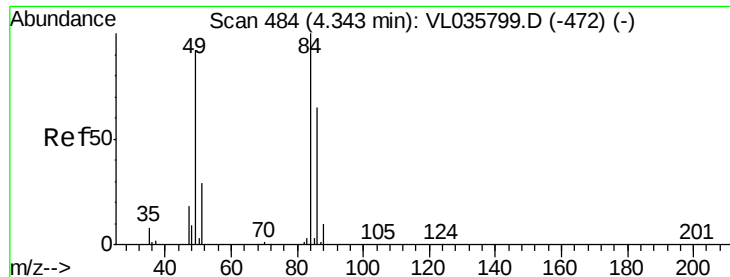
58 0.0 2.6 3.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

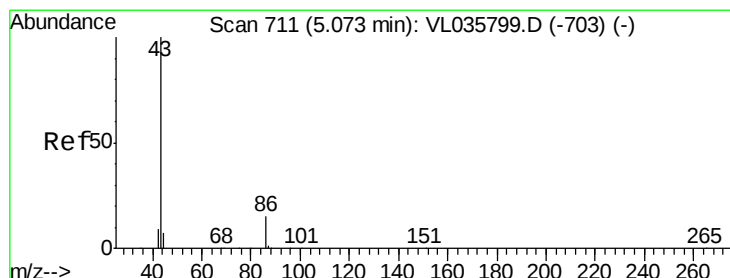
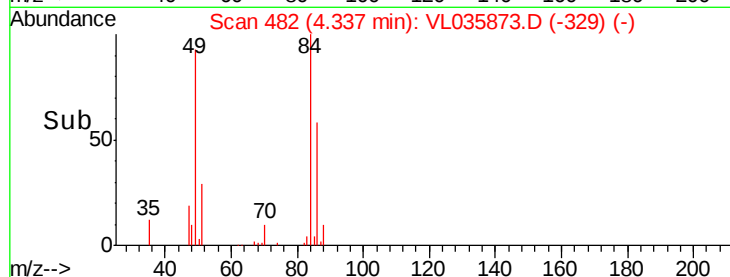
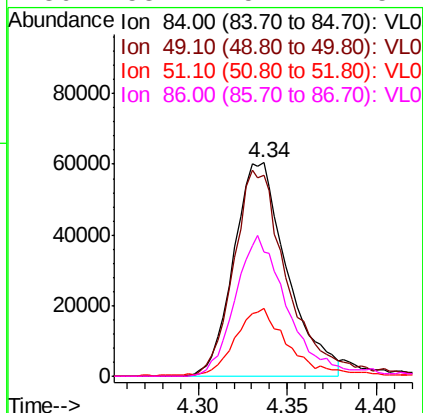
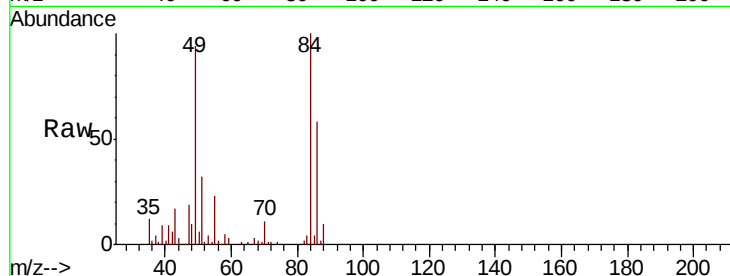




#20
Methvlene Chloride
Concen: 1.590 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

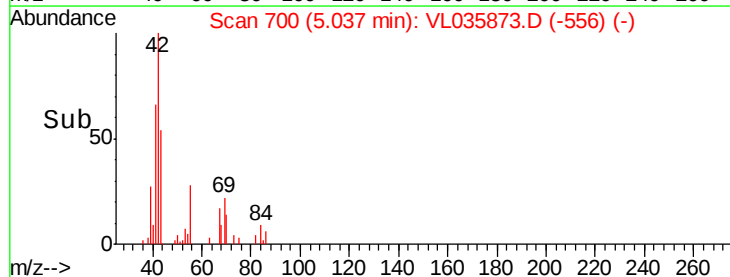
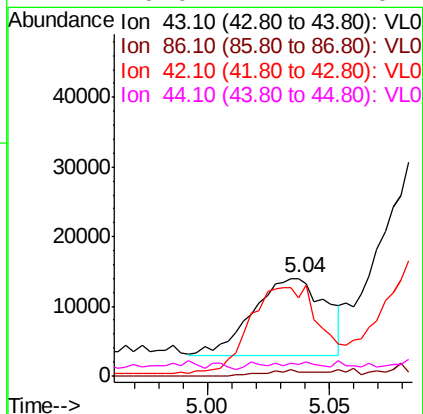
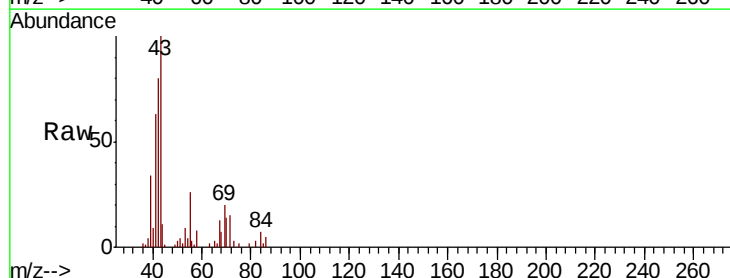
Instrument :
MSVOA_L
ClientSampleId :
IA-1

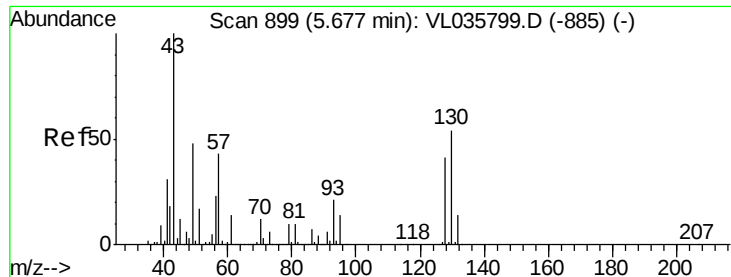
Tot Ion:	84	Resp:	126352
Ion	Ratio	Lower	Upper
84	100		
49	93.4	73.8	110.8
51	30.6	23.0	34.4
86	58.2	52.1	78.1



#23
Vinyl Acetate
Concen: 0.145 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.04 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

Tgt Ion:	43	Resp:	22956
Ion	Ratio	Lower	Upper
43	100		
86	5.8	9.8	14.6#
42	98.9	8.1	12.1#
44	0.0	4.2	6.4#

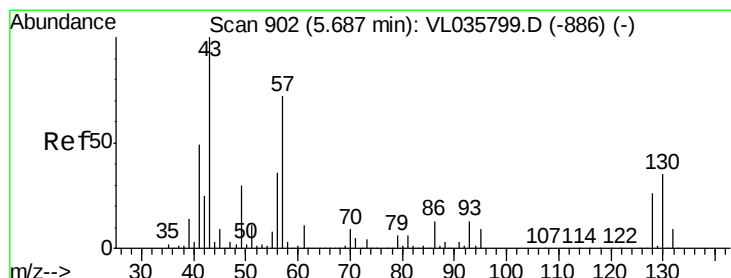
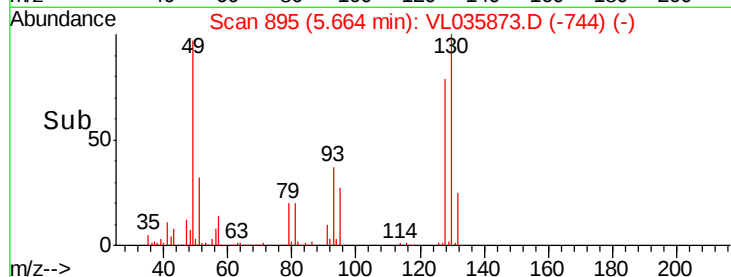
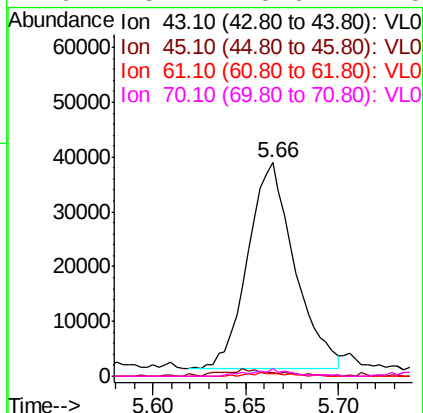
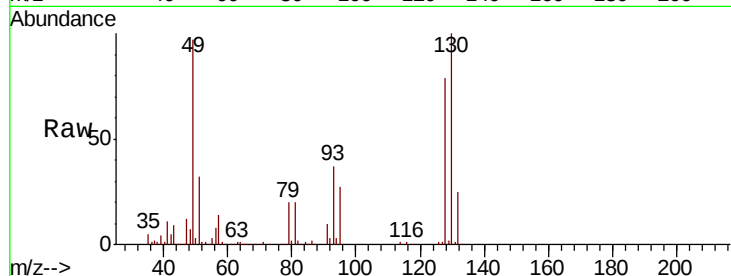




#25
Ethyl Acetate
Concen: 0.297 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

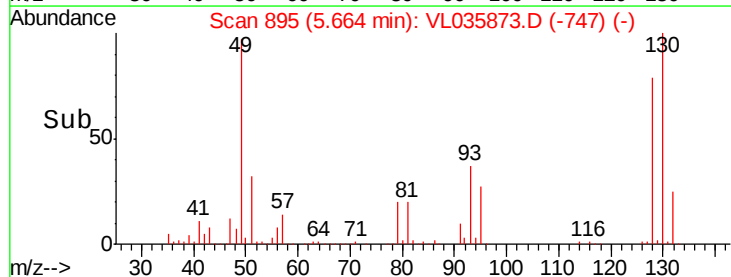
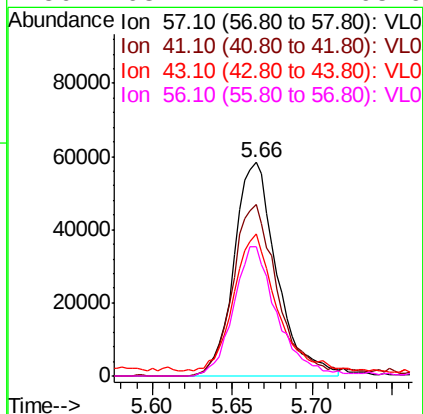
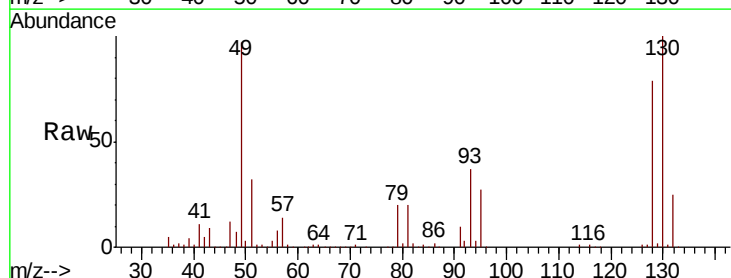
Instrument :
MSVOA_L
ClientSampleId :
IA-1

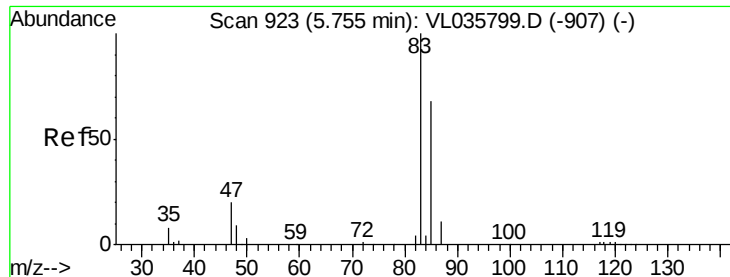
Tot Ion:	43	Resp:	65954
Ion	Ratio	Lower	Upper
43	100		
45	4.3	8.5	12.7#
61	1.3	10.7	16.1#
70	3.2	8.6	12.8#



#26
Hexane
Concen: 0.865 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

Tgt Ion:	57	Resp:	106100
Ion	Ratio	Lower	Upper
57	100		
41	88.0	58.9	88.3
43	67.1	150.2	225.2#
56	63.7	42.4	63.6#





#29

Chloroform

Concen: 0.643 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

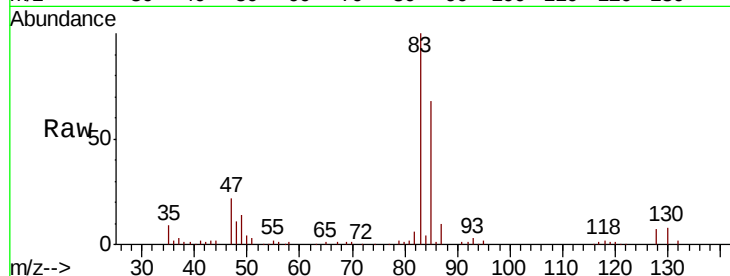
IA-1

Tot Ion: 83 Resp: 155062

Ion Ratio Lower Upper

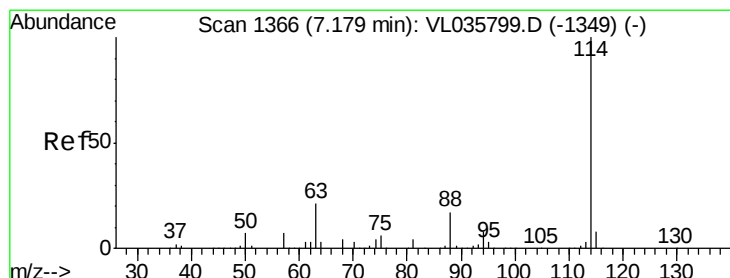
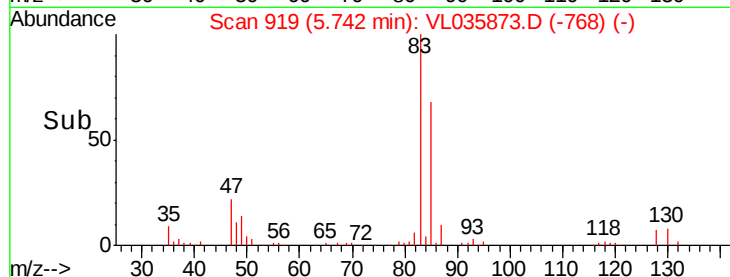
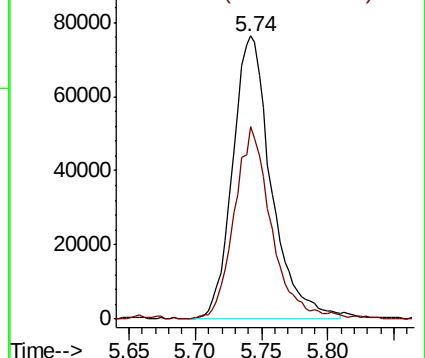
83 100

85 68.0 54.6 81.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

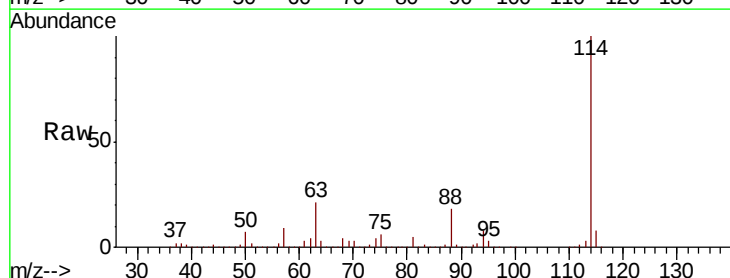
Tgt Ion: 114 Resp: 3875579

Ion Ratio Lower Upper

114 100

63 20.5 16.1 24.1

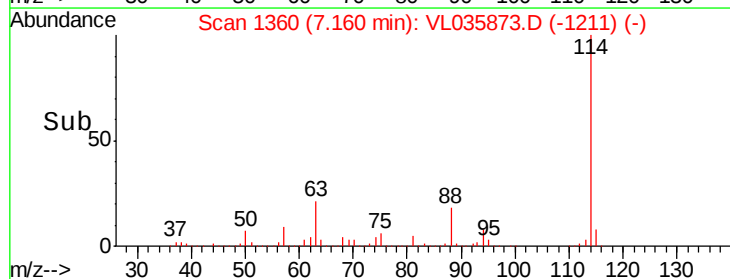
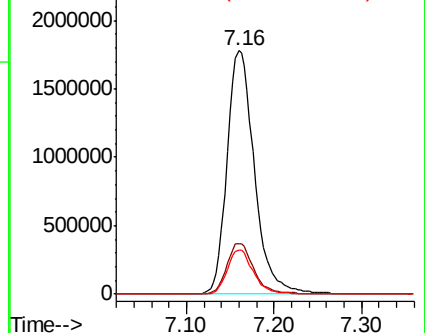
88 17.4 13.7 20.5

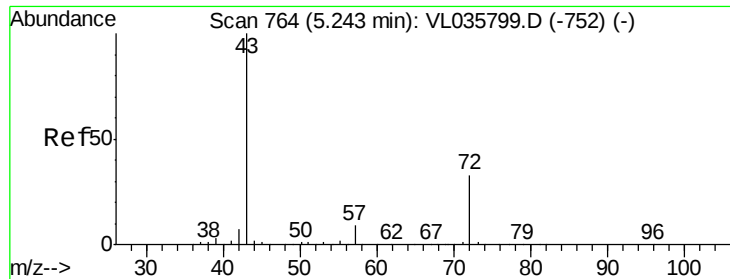


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.222 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

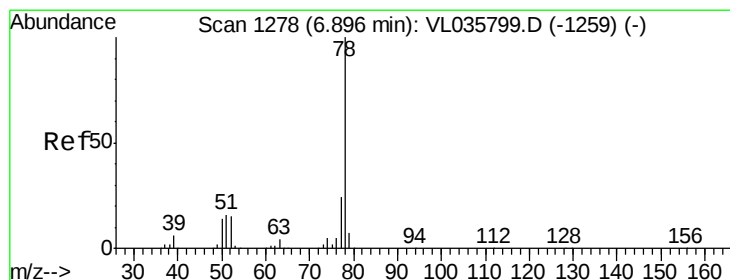
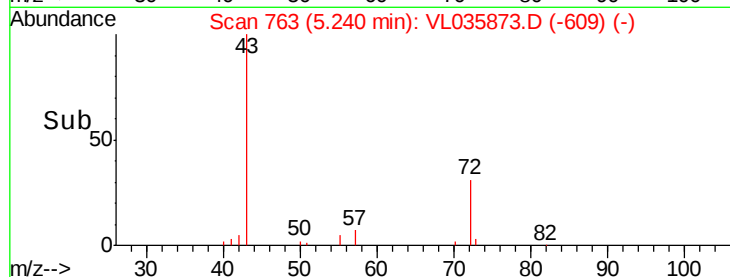
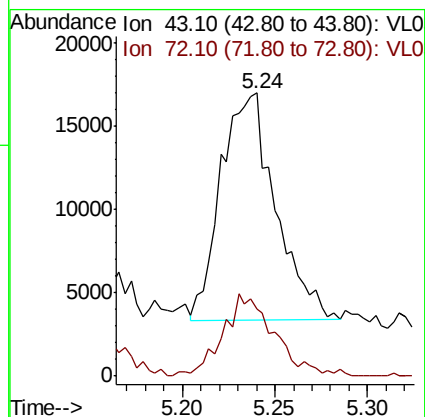
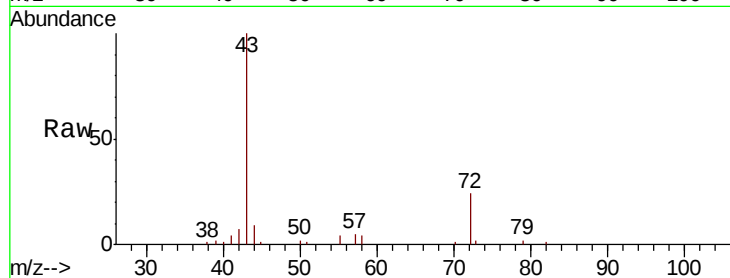
IA-1

Tot Ion: 43 Resp: 27868

Ion Ratio Lower Upper

43 100

72 34.5 26.5 39.7



#36

Benzene

Concen: 0.187 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

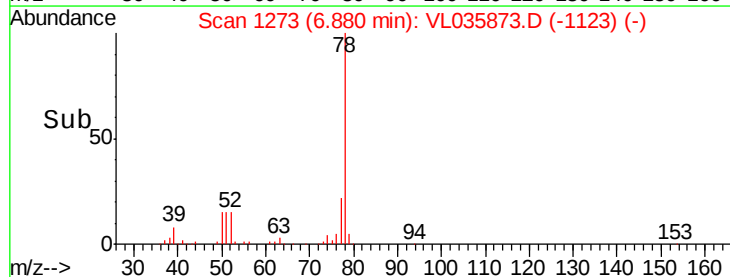
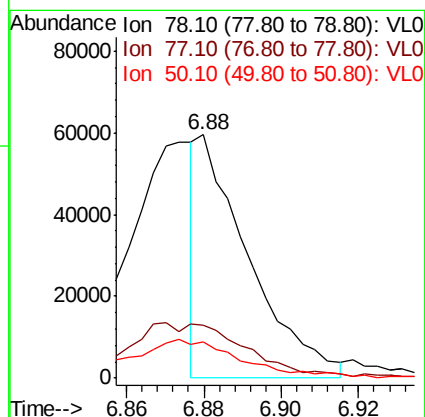
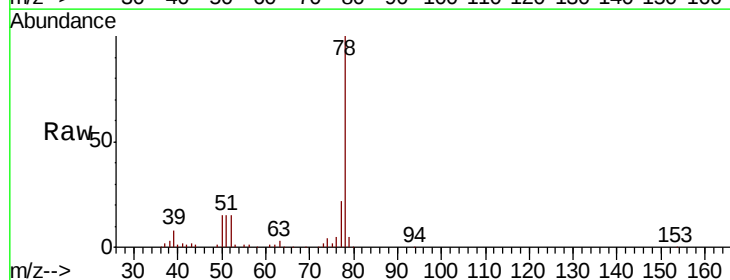
Tgt Ion: 78 Resp: 53954

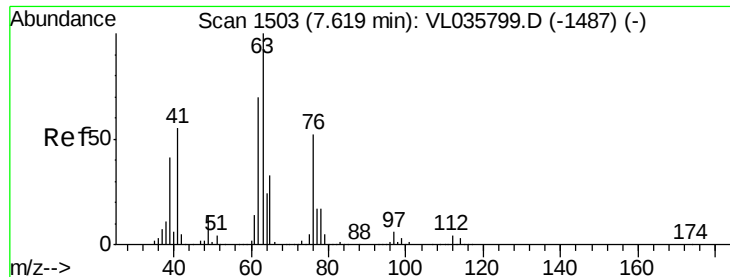
Ion Ratio Lower Upper

78 100

77 21.0 19.3 28.9

50 13.8 11.4 17.2





#39

1,2-Dichloropropane

Concen: 8.110 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.46 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

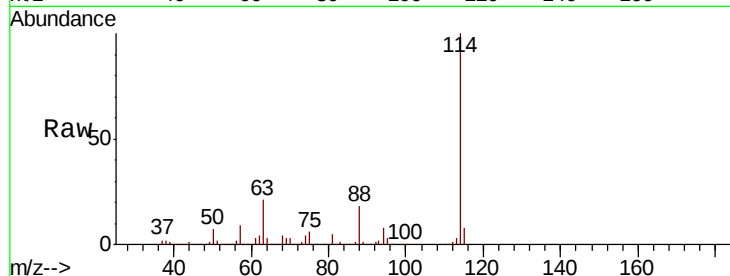
Tot Ion: 63 Resp: 786695

Ion Ratio Lower Upper

63 100

41 0.0 43.8 65.6#

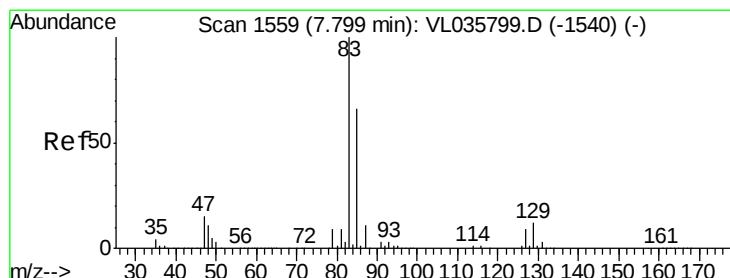
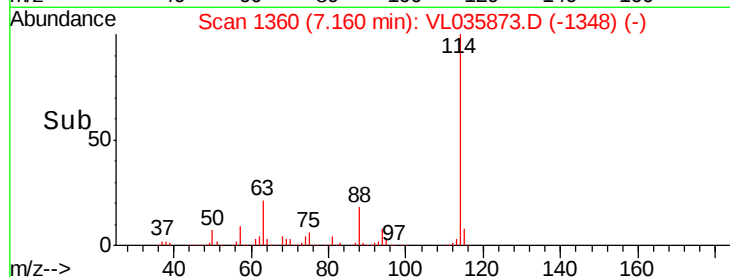
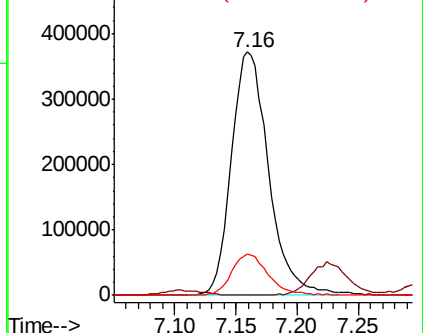
62 17.0 56.2 84.2#



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: 0.073 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.03 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

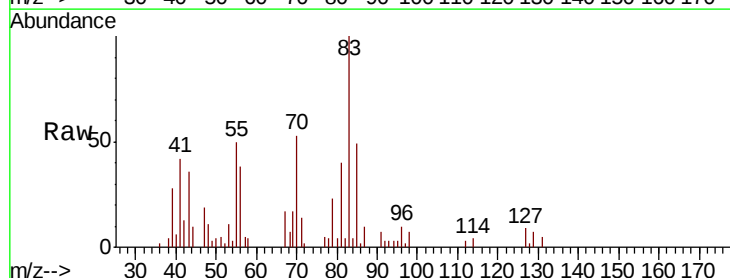
Tgt Ion: 83 Resp: 16150

Ion Ratio Lower Upper

83 100

85 50.8 53.1 79.7#

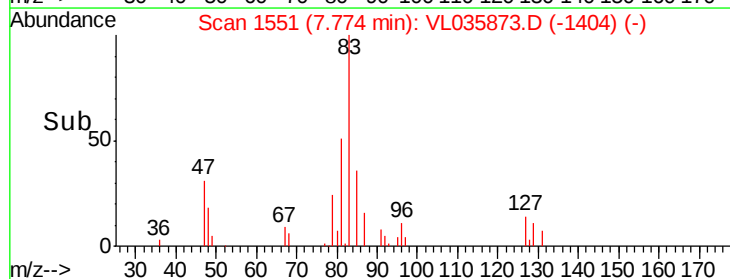
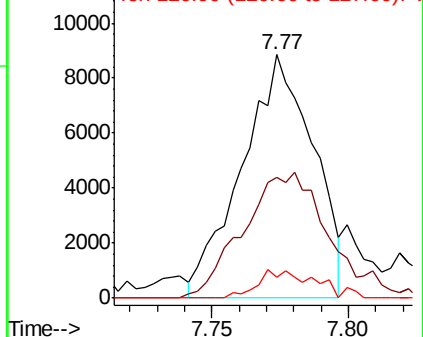
127 9.3 7.3 10.9

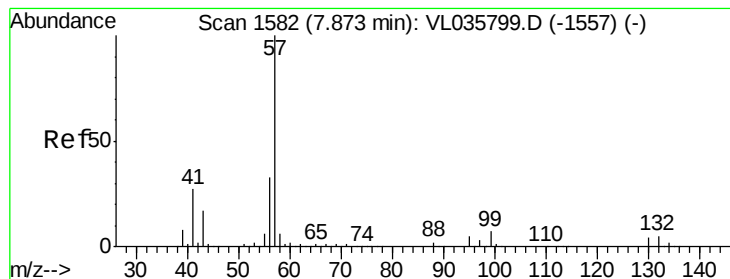


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 0.483 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.03 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

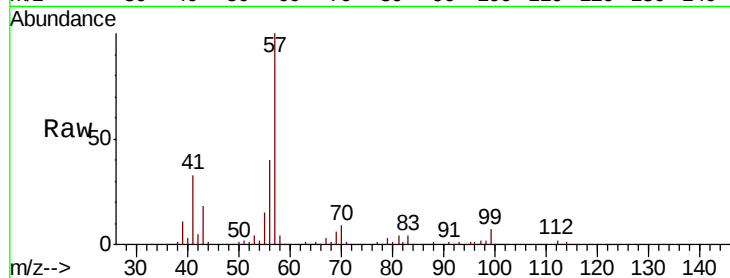
Tot Ion: 57 Resp: 184099

Ion Ratio Lower Upper

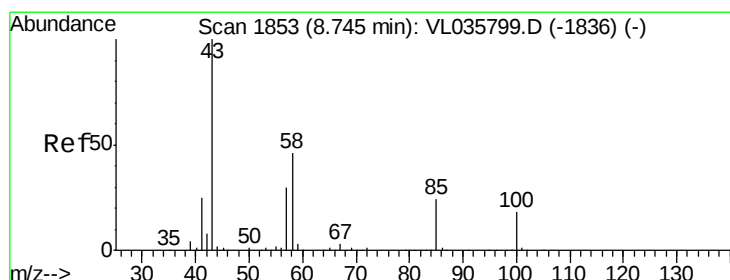
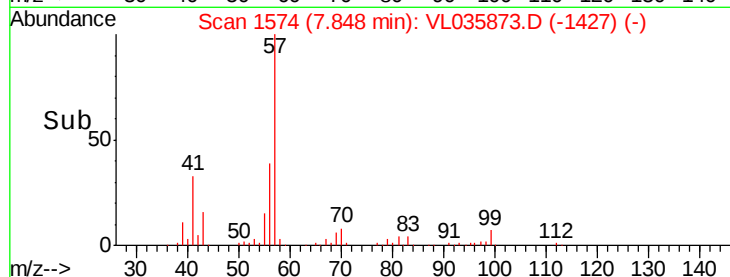
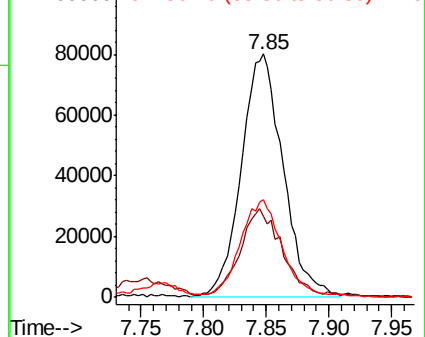
57 100

41 38.8 21.0 31.4#

56 41.5 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: 0.302 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL035873.D

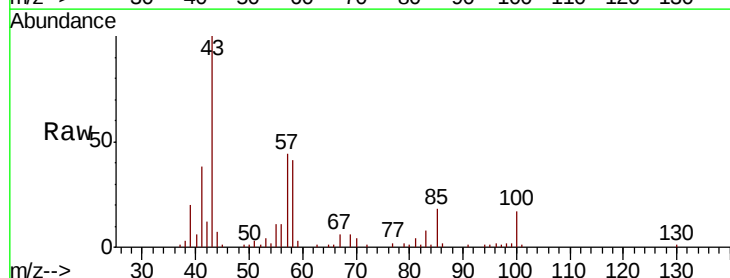
Acq: 5 Nov 2020 23:44

Tgt Ion: 43 Resp: 58179

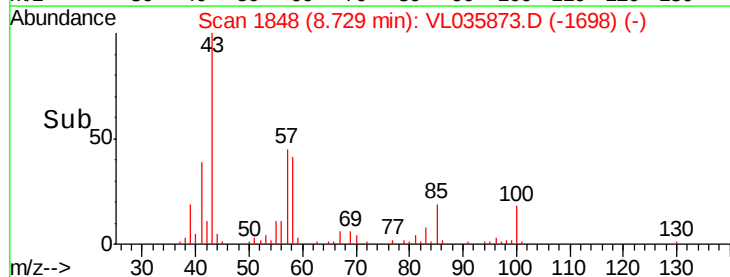
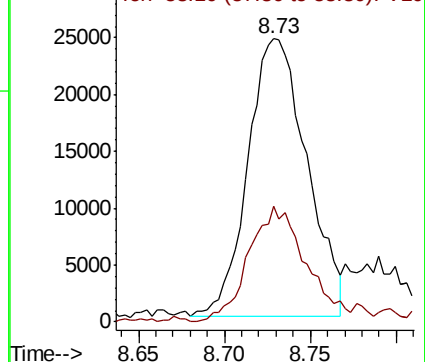
Ion Ratio Lower Upper

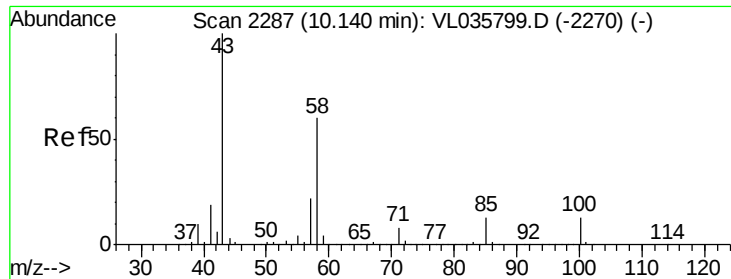
43 100

58 40.9 36.0 54.0



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

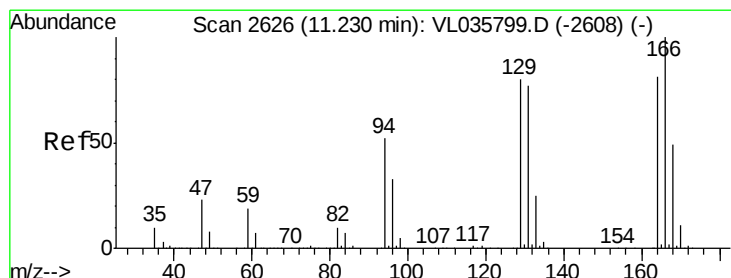
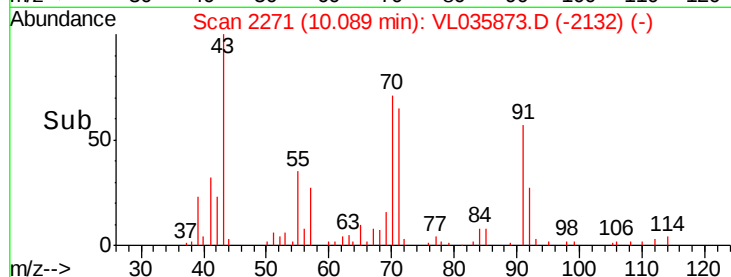
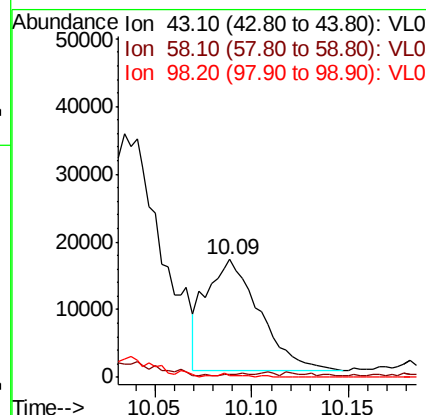
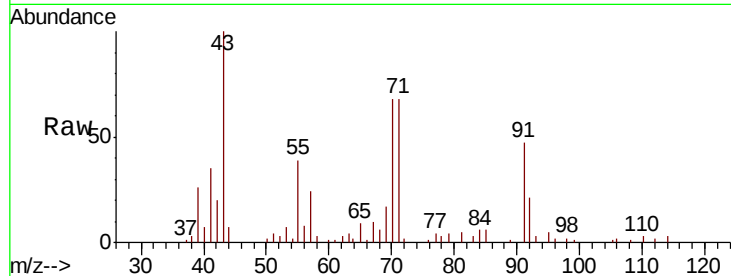




#51
2-Hexanone
Concen: 0.206 ppbv
RT: 10.09 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

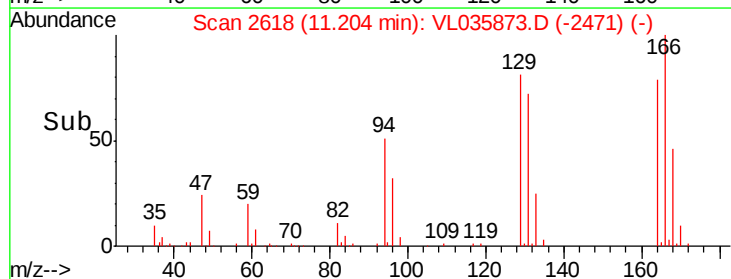
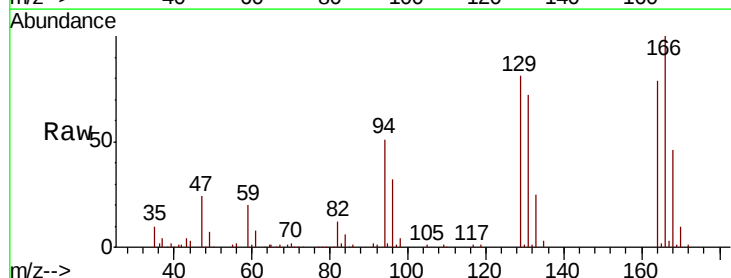
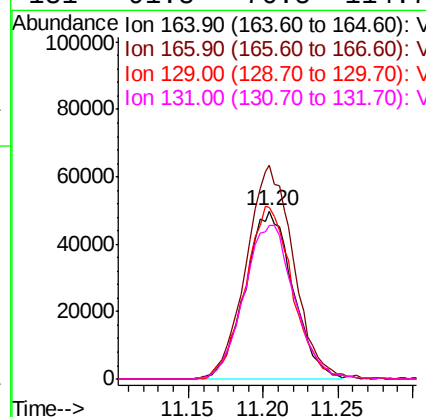
Instrument :
MSVOA_L
ClientSampleId :
IA-1

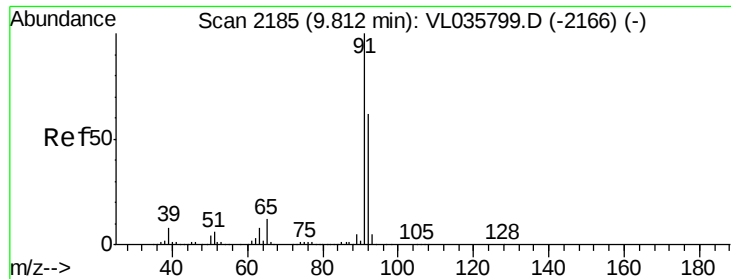
Tot Ion: 43 Resp: 31809
Ion Ratio Lower Upper
43 100
58 4.2 48.3 72.5#
98 0.0 0.6 0.8#



#52
Tetrachloroethene
Concen: 0.810 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

Tgt Ion: 164 Resp: 110550
Ion Ratio Lower Upper
164 100
166 127.2 99.3 148.9
129 102.5 79.3 118.9
131 91.8 76.5 114.7





#53

Toluene

Concen: 44.610 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

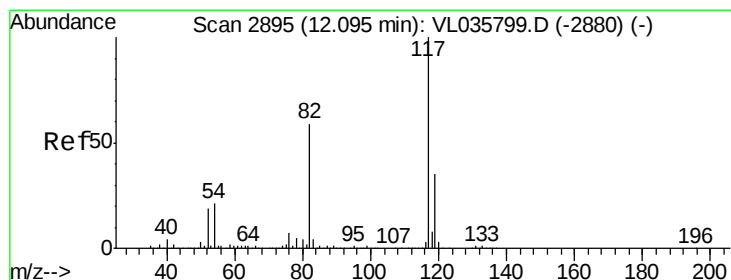
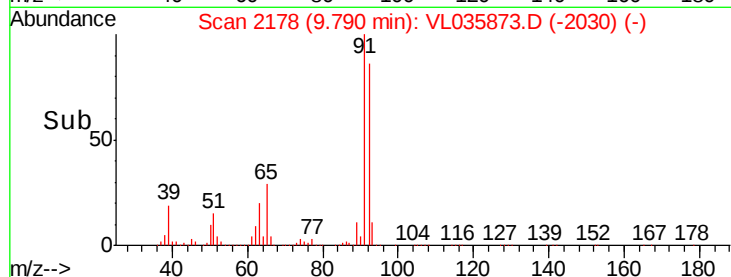
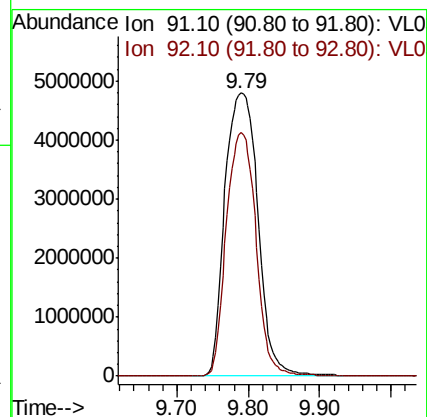
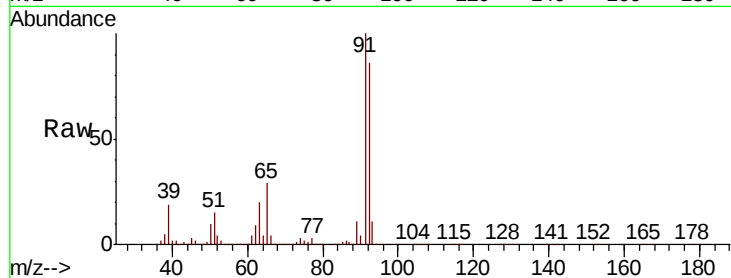
IA-1

Tot Ion: 91 Resp:15509212

Ion Ratio Lower Upper

91 100

92 77.3 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: VL035873.D

Acq: 5 Nov 2020 23:44

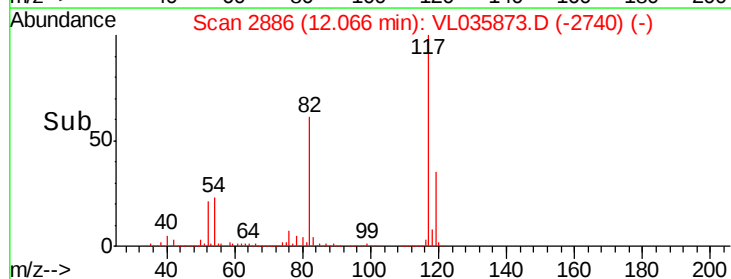
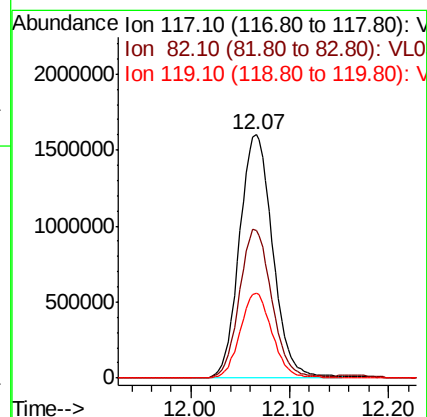
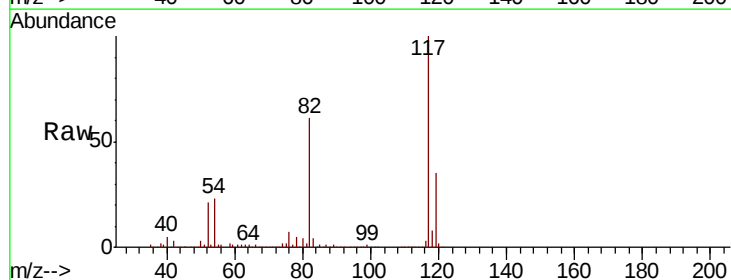
Tgt Ion:117 Resp: 3751898

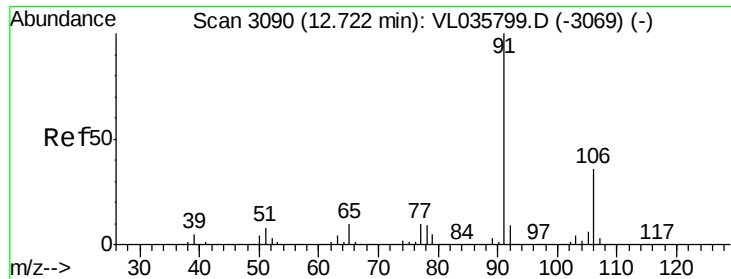
Ion Ratio Lower Upper

117 100

82 59.8 50.6 76.0

119 33.8 52.6 78.8#





#58

Ethyl Benzene

Concen: 2.633 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.03 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

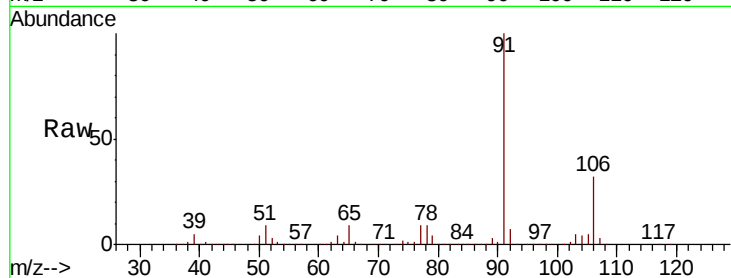
IA-1

Tot Ion: 91 Resp: 1203203

Ion Ratio Lower Upper

91 100

106 31.6 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

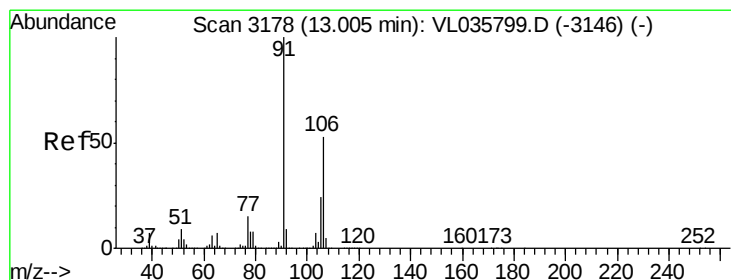
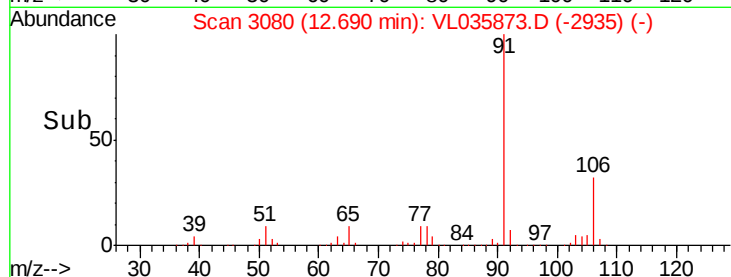
600000

400000

200000

0

Time-->



#59

m/p-Xylene

Concen: 10.503 ppbv

RT: 12.94 min Scan# 3159

Delta R.T. -0.06 min

Lab File: VL035873.D

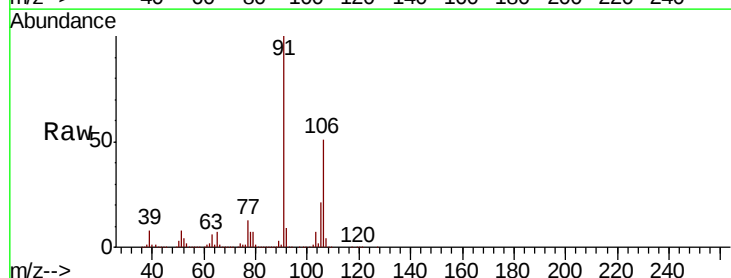
Acq: 5 Nov 2020 23:44

Tgt Ion: 91 Resp: 4060453

Ion Ratio Lower Upper

91 100

106 50.6 39.5 59.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.94

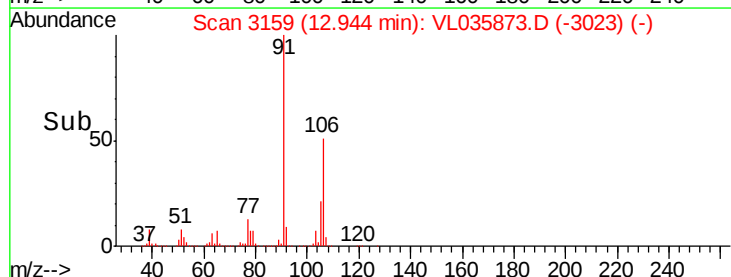
1500000

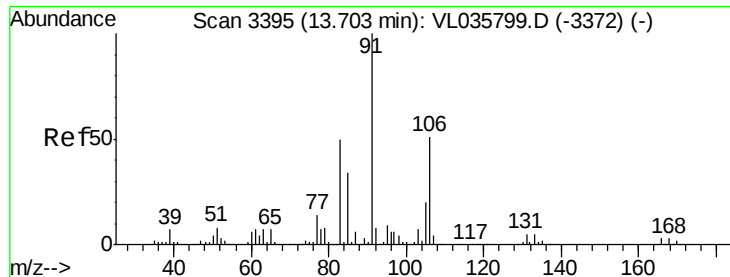
1000000

500000

0

Time-->

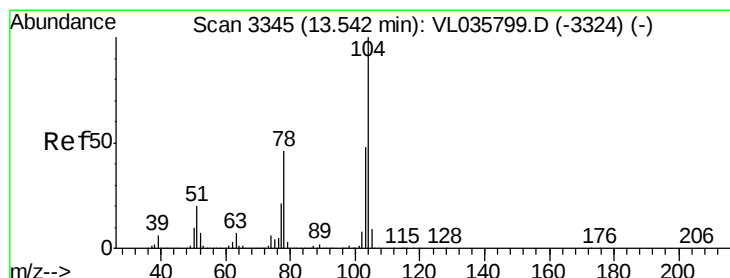
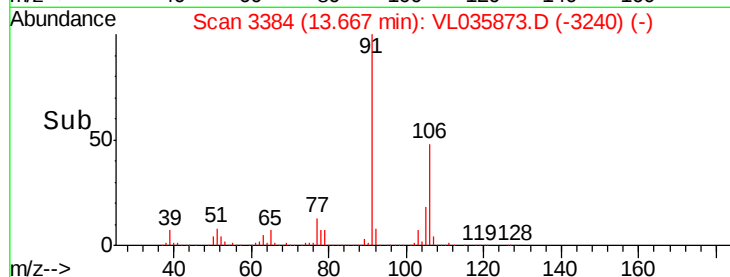
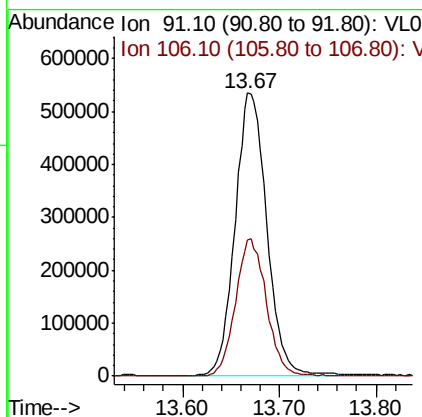
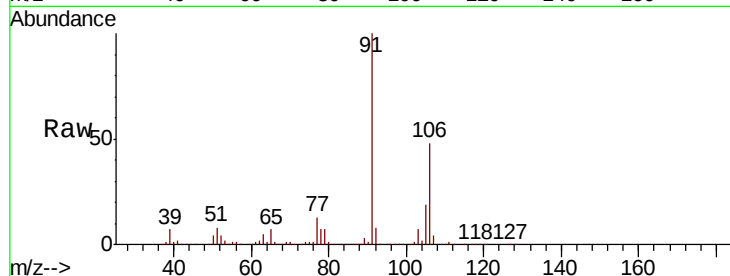




#60
o-Xylene
Concen: 3.227 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

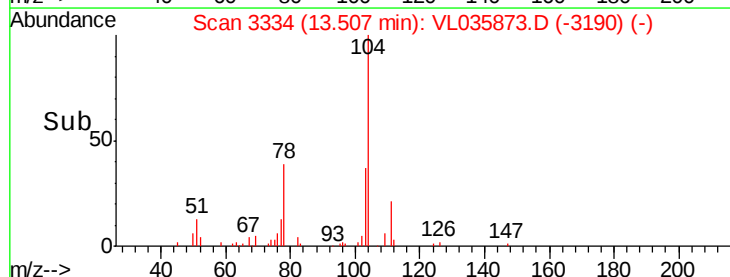
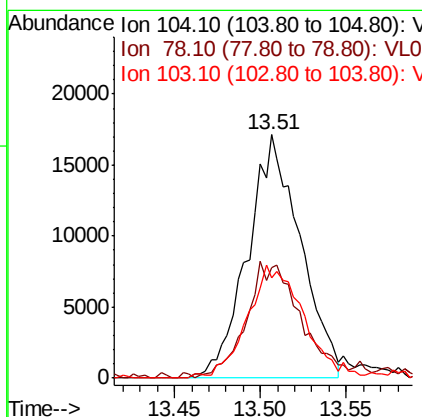
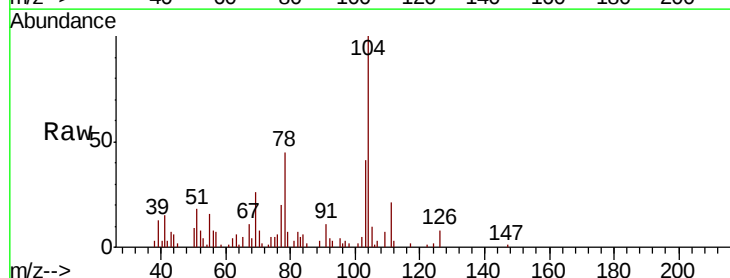
Instrument :
MSVOA_L
ClientSampled :
IA-1

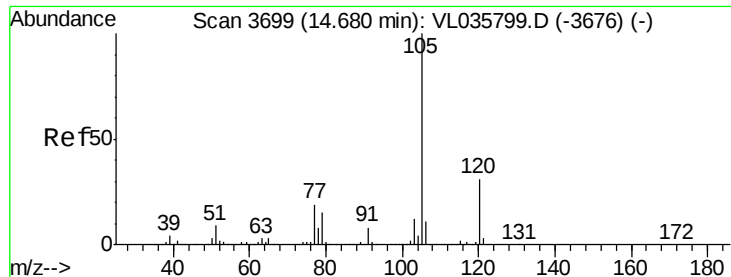
Tot Ion: 91 Resp: 1213537
Ion Ratio Lower Upper
91 100
106 47.4 24.8 74.4



#61
Styrene
Concen: 0.133 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.04 min
Lab File: VL035873.D
Acq: 5 Nov 2020 23:44

Tgt Ion: 104 Resp: 36543
Ion Ratio Lower Upper
104 100
78 53.4 37.1 55.7
103 49.8 37.9 56.9





#62

Isopropylbenzene

Concen: 0.053 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.04 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

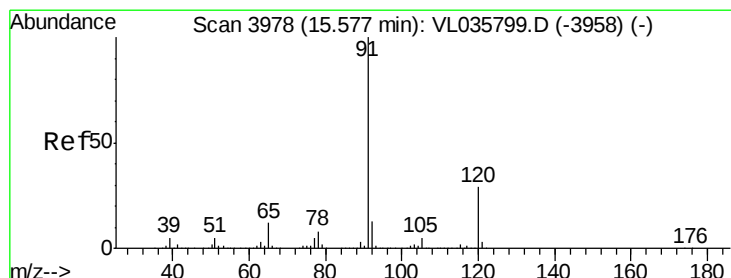
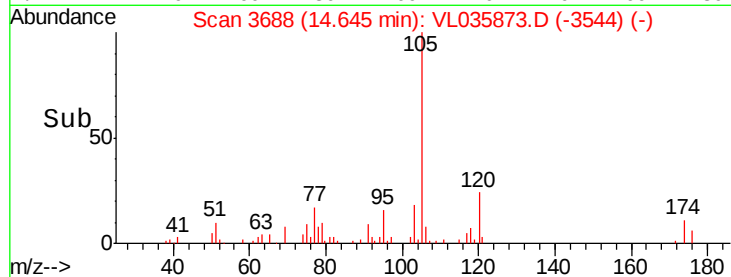
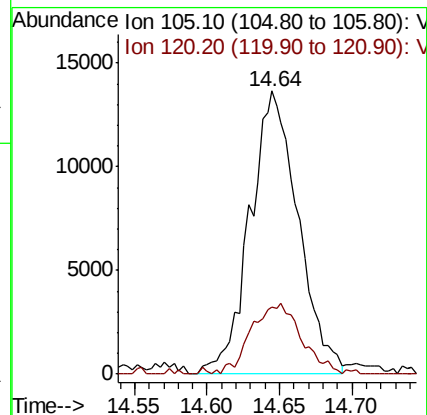
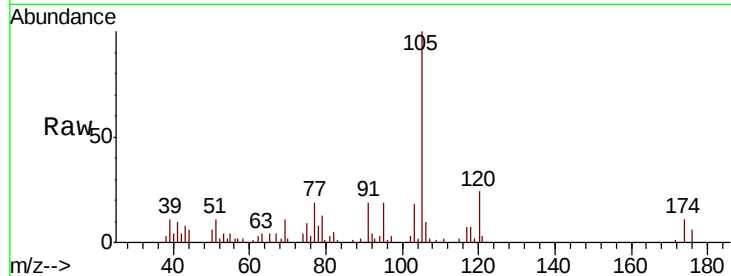
IA-1

Tot Ion:105 Resp: 31487

Ion Ratio Lower Upper

105 100

120 26.6 23.5 35.3



#64

n-propylbenzene

Concen: 0.151 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.04 min

Lab File: VL035873.D

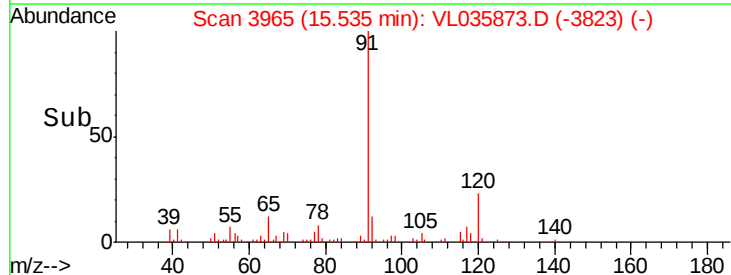
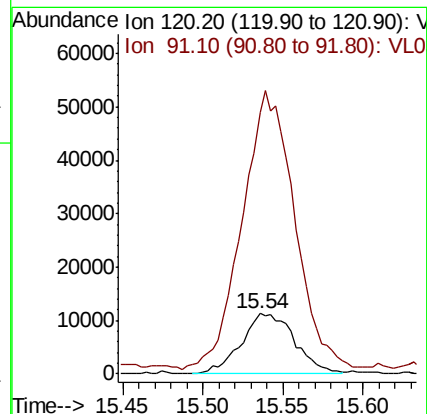
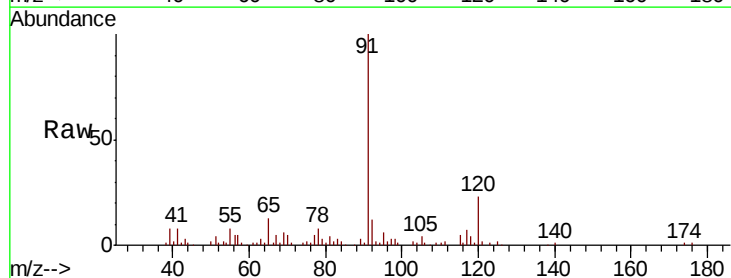
Acq: 5 Nov 2020 23:44

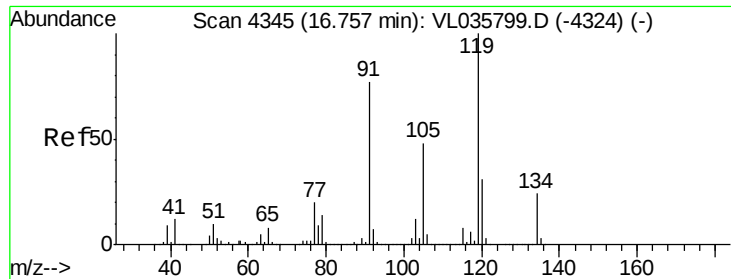
Tgt Ion:120 Resp: 25850

Ion Ratio Lower Upper

120 100

91 453.7 311.1 466.7





#65

tert-Butylbenzene

Concen: 0.092 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.02 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

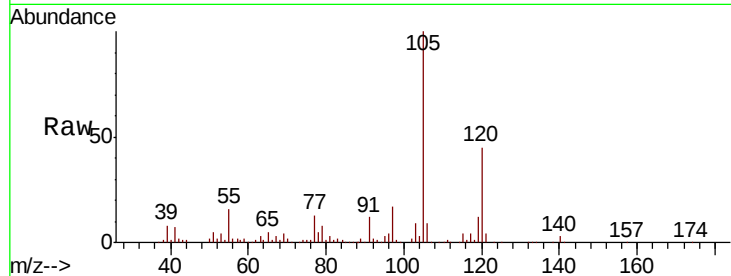
Tot Ion:119 Resp: 49642

Ion Ratio Lower Upper

119 100

91 114.4 62.0 93.0#

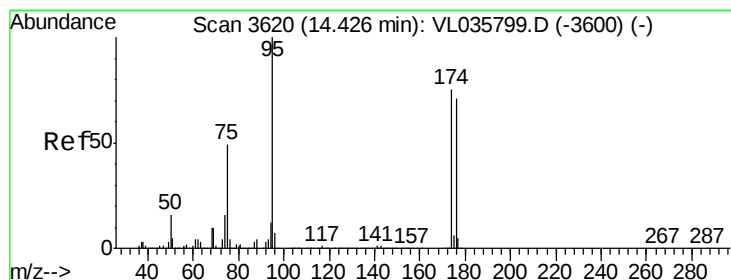
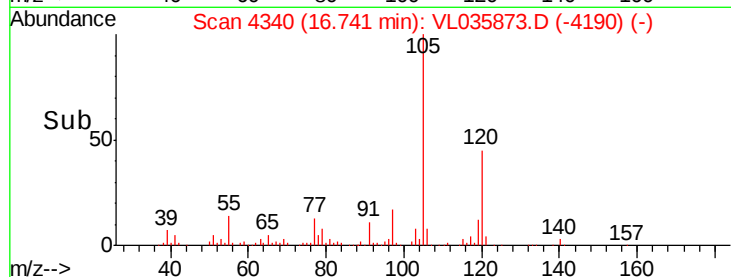
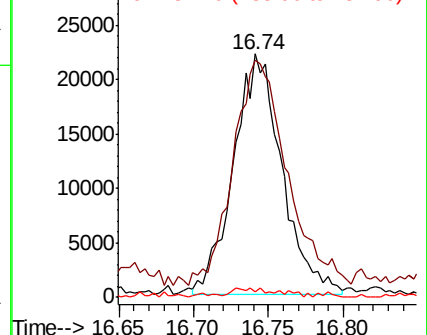
134 4.9 17.8 26.8#



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: 10.402 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

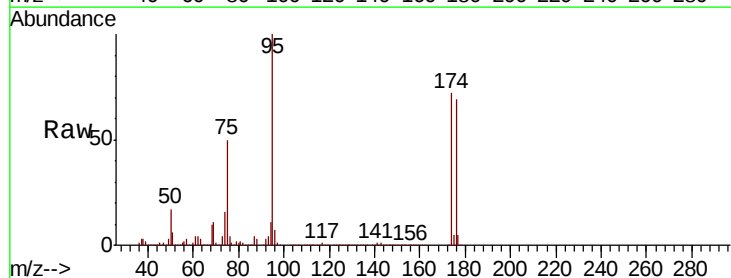
Tgt Ion: 95 Resp: 2772871

Ion Ratio Lower Upper

95 100

174 72.2 59.8 89.6

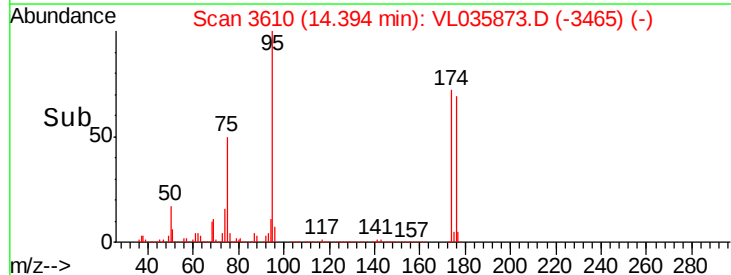
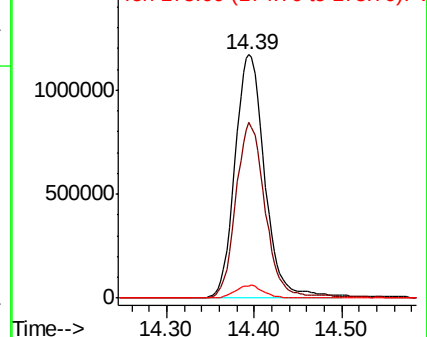
175 5.1 4.3 6.5

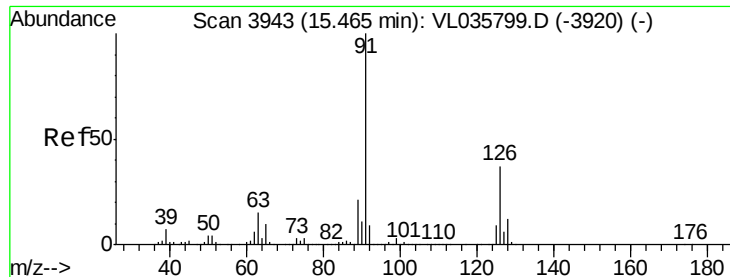


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

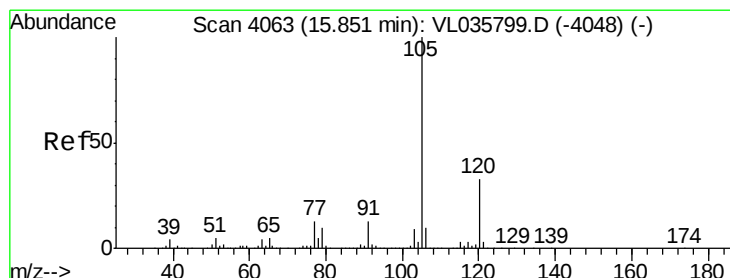
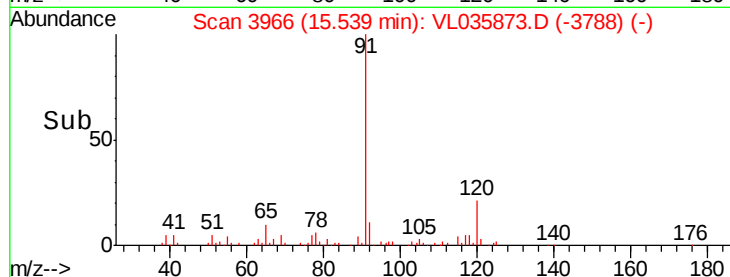
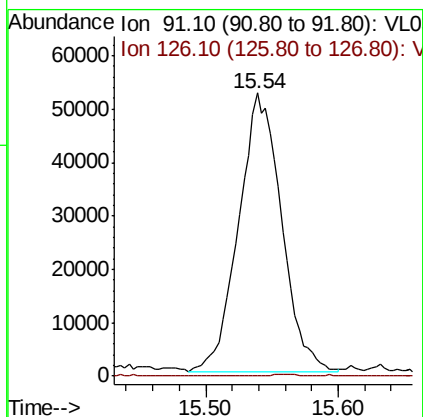
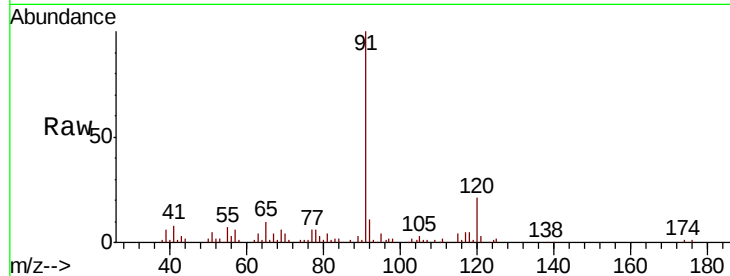




#71
 2-Chlorotoluene
 Concen: 0.270 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. 0.07 min
 Lab File: VL035873.D
 Acq: 5 Nov 2020 23:44

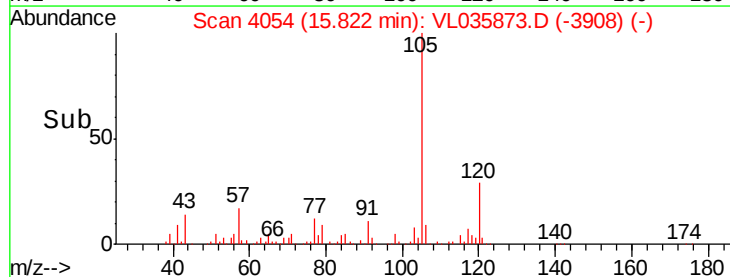
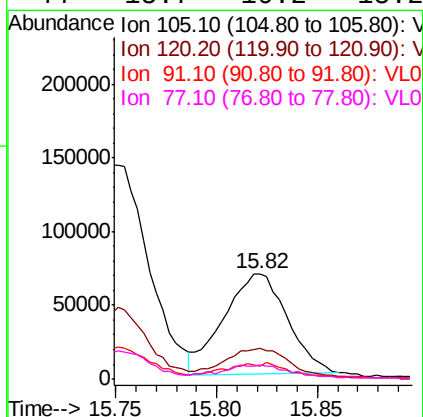
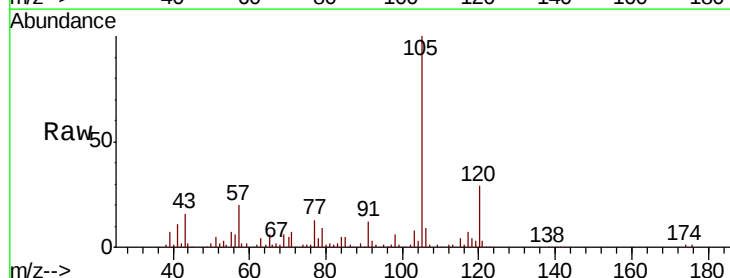
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

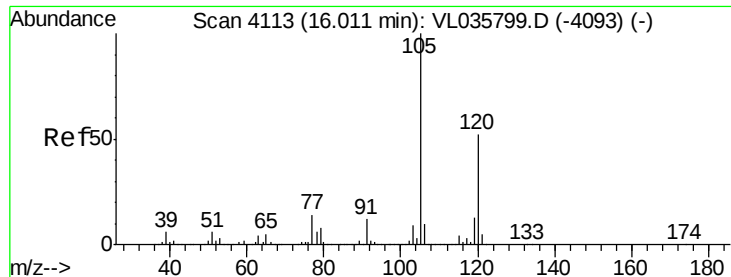
Tot Ion: 91 Resp: 116883
 Ion Ratio Lower Upper
 91 100
 126 0.5 14.3 57.1#



#72
 4-Ethyltoluene
 Concen: 0.326 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.03 min
 Lab File: VL035873.D
 Acq: 5 Nov 2020 23:44

Tgt Ion: 105 Resp: 148585
 Ion Ratio Lower Upper
 105 100
 120 33.7 25.9 38.9
 91 17.3 9.9 14.9#
 77 15.7 10.2 15.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.311 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.03 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Instrument :

MSVOA_L

ClientSampleId :

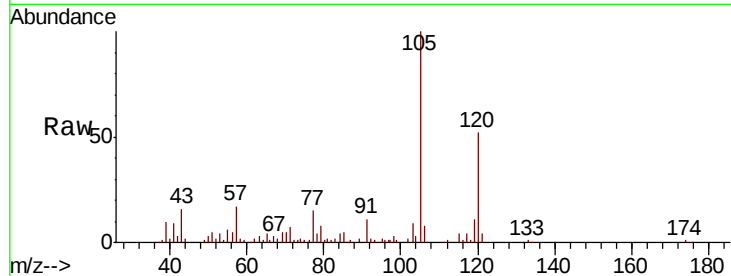
IA-1

Tot Ion:105 Resp: 129966

Ion Ratio Lower Upper

105 100

120 51.5 41.4 62.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

60000

50000

40000

30000

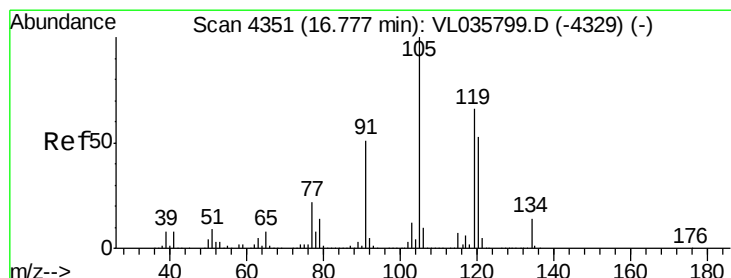
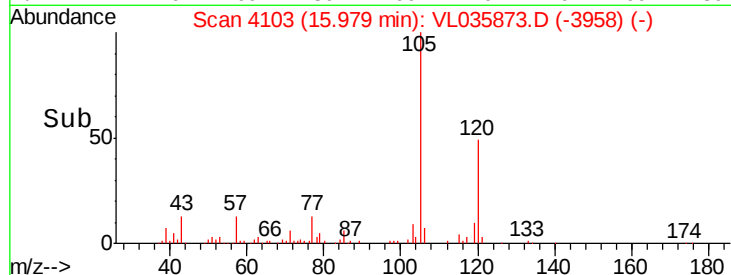
20000

10000

0

15.90 15.95 16.00 16.05

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.947 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.04 min

Lab File: VL035873.D

Acq: 5 Nov 2020 23:44

Tgt Ion:105 Resp: 423506

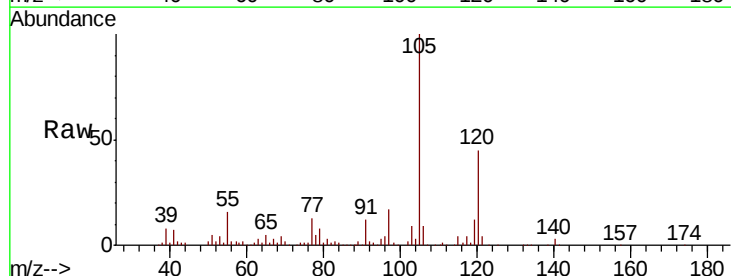
Ion Ratio Lower Upper

105 100

120 44.7 42.0 63.0

91 11.2 41.0 61.6#

77 12.5 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): VLO

Ion 77.10 (76.80 to 77.80): VLO

250000

200000

150000

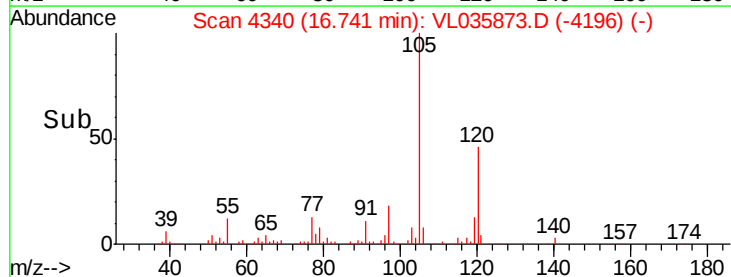
100000

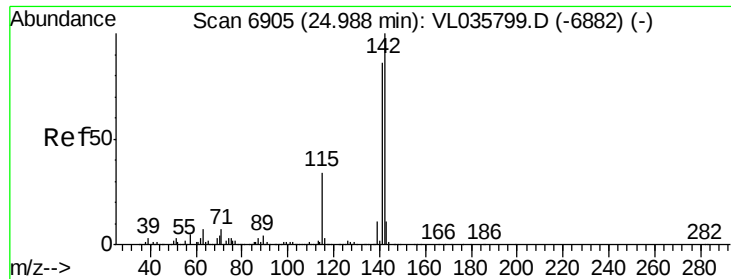
50000

0

16.70 16.80

Time-->





#80
 Naphthalene, 2-methyl-
 Concen: 0.034 ppbv
 RT: 24.99 min Scan# 6904
 Delta R.T. -0.00 min
 Lab File: VL035873.D
 Acq: 5 Nov 2020 23:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	0.0	67.8	101.8
115	37.2	28.1	42.1

