

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034993.D
 Acq On : 12 May 2020 19:01
 Operator : SY/AP
 Sample : L2567-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: May 13 01:09:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1092143	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	2562611	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2376428	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1948099	10.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

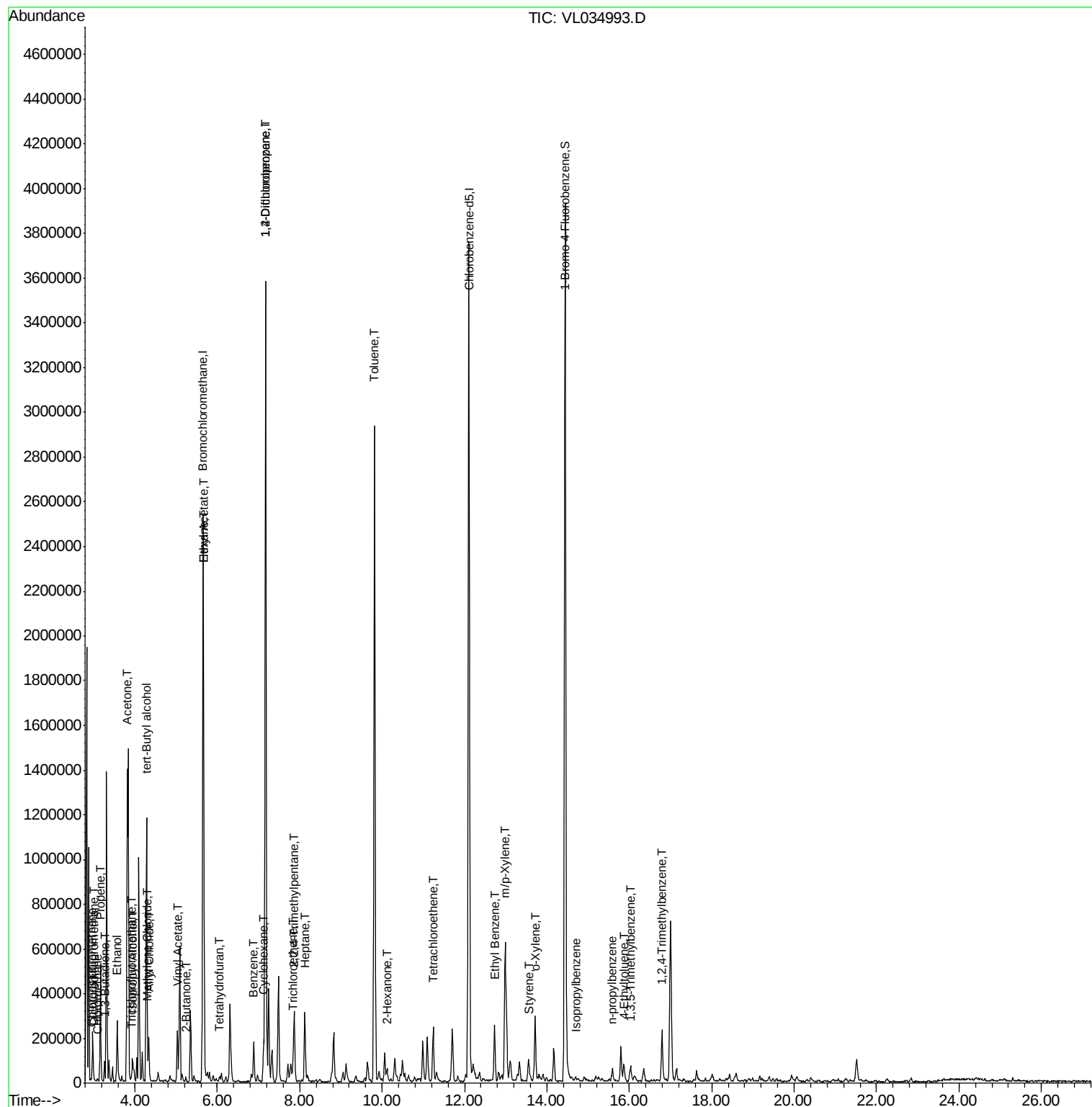
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	8558	0.055	ppbv	97
3) Chlorodifluoromethane	2.95	51	6624	0.053	ppbv #	86
4) Chloromethane	3.10	50	2969	0.042	ppbv	95
9) Propene	3.16	41	130324	2.409	ppbv	100
10) Heptane	8.13	43	129239	0.953	ppbv	98
11) Trichlorofluoromethane	3.92	101	5618	0.035	ppbv #	76
13) Ethanol	3.56	45	288151	16.139	ppbv	99
15) Acetone	3.81	43	1782721	12.347	ppbv #	89
16) 1,3-Butadiene	3.26	39	20956	0.337	ppbv #	8
17) tert-Butyl alcohol	4.28	59	90307	0.703	ppbv #	71
19) Isopropyl Alcohol	3.94	45	119083	1.237	ppbv #	1
20) Methylene Chloride	4.31	84	17482	0.366	ppbv	91
21) Allyl Chloride	4.34	41	28327	0.347	ppbv #	52
23) Vinyl Acetate	5.03	43	74926	0.409	ppbv #	1
25) Ethyl Acetate	5.67	43	232561	0.959	ppbv #	83
26) Hexane	5.67	57	264828	2.519	ppbv #	48
30) Cyclohexane	7.12	84	19984	0.246	ppbv #	1
34) 2-Butanone	5.23	43	13793	0.087	ppbv #	64
36) Benzene	6.89	78	131062	0.620	ppbv	99
38) Trichloroethene	7.83	130	4437	0.054	ppbv #	80
39) 1,2-Dichloropropane	7.17	63	683899	8.075	ppbv #	24
41) Tetrahydrofuran	6.05	42	7067	0.084	ppbv #	53
44) 2,2,4-Trimethylpentane	7.87	57	210226	0.560	ppbv #	78
51) 2-Hexanone	10.12	43	14763	0.083	ppbv #	33
52) Tetrachloroethene	11.24	164	55086	0.733	ppbv	92
53) Toluene	9.82	91	2276173	10.163	ppbv	99
58) Ethyl Benzene	12.73	91	213642	0.727	ppbv	97
59) m/p-Xylene	12.99	91	624352	2.415	ppbv #	59
60) o-Xylene	13.72	91	214913	0.842	ppbv	99
61) Styrene	13.55	104	41576	0.258	ppbv	91
62) Isopropylbenzene	14.69	105	12263	0.032	ppbv	94
64) n-propylbenzene	15.58	120	3224	0.033	ppbv #	1
72) 4-Ethyltoluene	15.86	105	23019	0.081	ppbv #	48
73) 1,3,5-Trimethylbenzene	16.02	105	21299	0.077	ppbv #	62
74) 1,2,4-Trimethylbenzene	16.79	105	92562	0.306	ppbv #	78

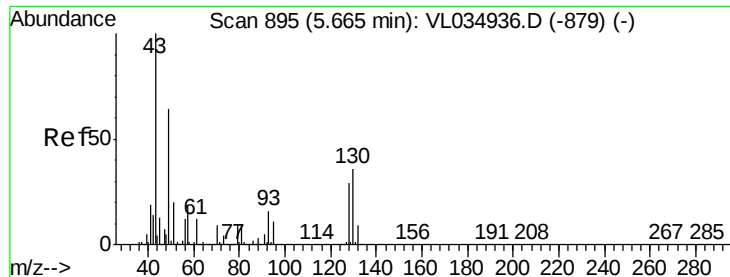
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampled :

IA-2DL

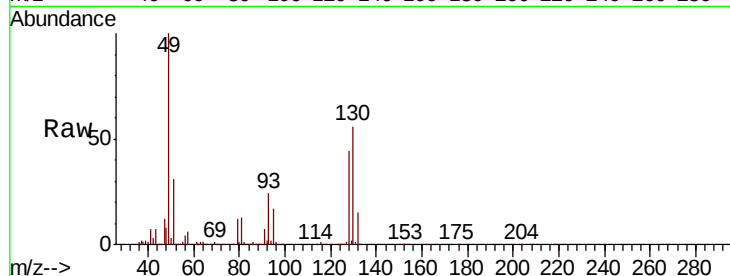
Tot Ion: 49 Resp: 1092143

Ion Ratio Lower Upper

49 100

128 45.6 22.1 66.5

130 58.2 29.1 87.3



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

800000

600000

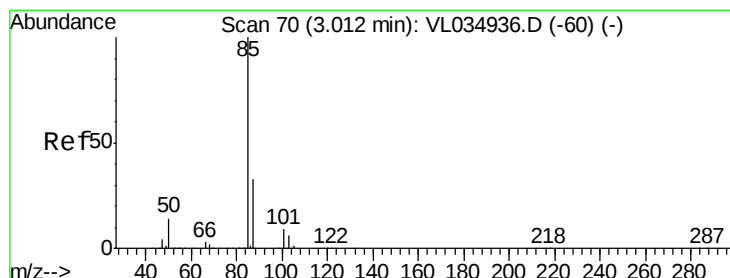
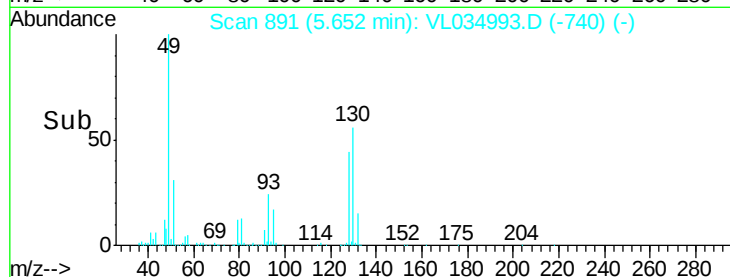
400000

200000

0

5.60 5.65 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.055 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL034993.D

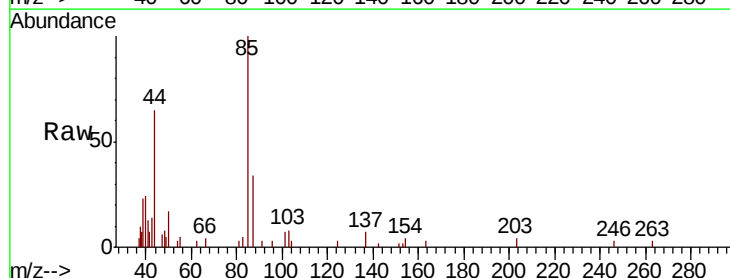
Acq: 12 May 2020 19:01

Tgt Ion: 85 Resp: 8558

Ion Ratio Lower Upper

85 100

87 34.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

8000

6000

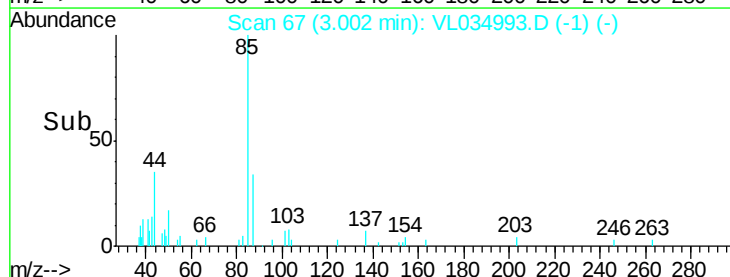
4000

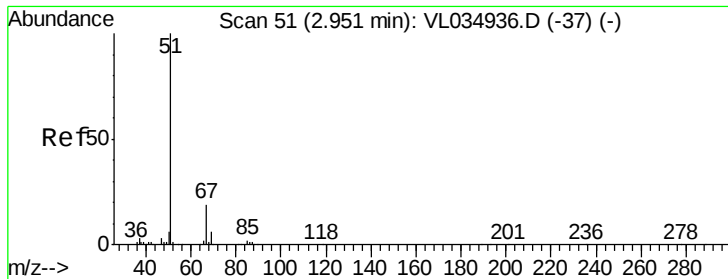
2000

0

2.96 2.98 3.00 3.02 3.04

Time-->





#3

Chlorodifluoromethane

Concen: 0.053 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.00 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

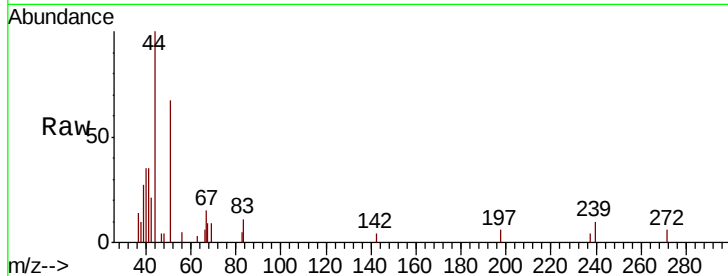
IA-2DL

Tot Ion: 51 Resp: 6624

Ion Ratio Lower Upper

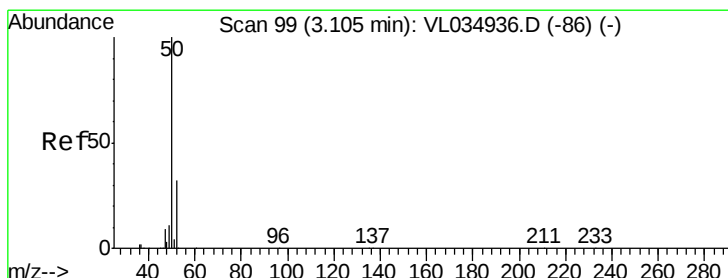
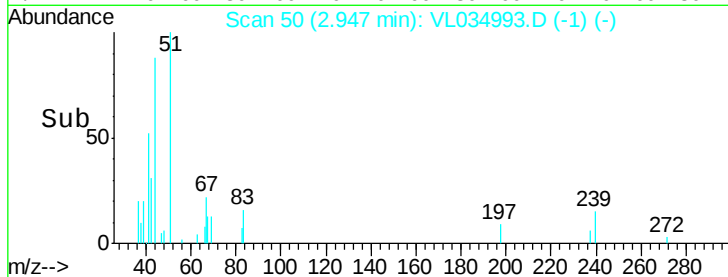
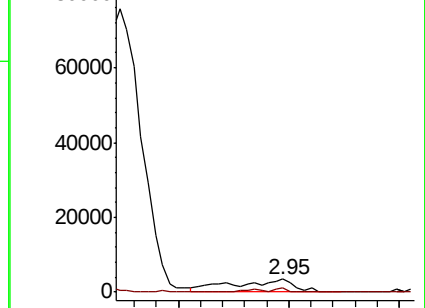
51 100

67 12.3 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.042 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL034993.D

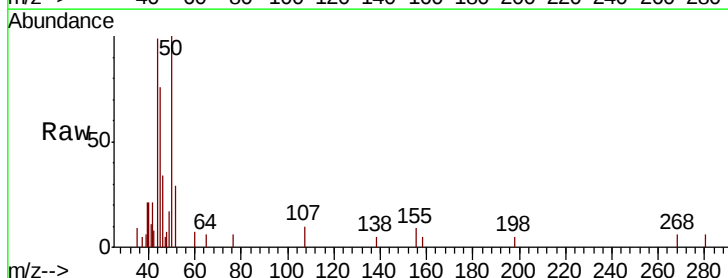
Acq: 12 May 2020 19:01

Tgt Ion: 50 Resp: 2969

Ion Ratio Lower Upper

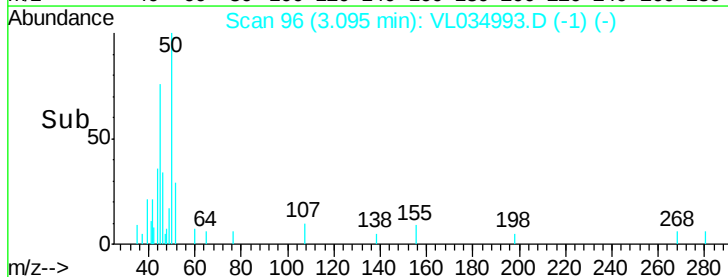
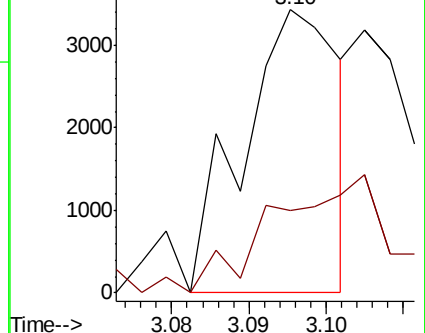
50 100

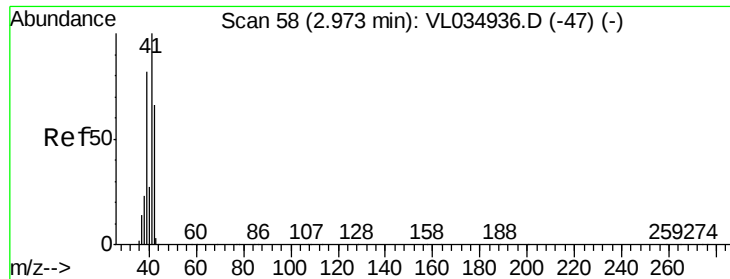
52 29.2 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 2.409 ppbv

RT: 3.16 min Scan# 116

Delta R.T. 0.19 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

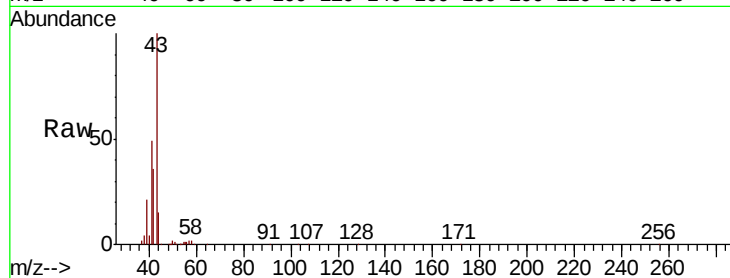
IA-2DL

Tot Ion: 41 Resp: 130324

Ion Ratio Lower Upper

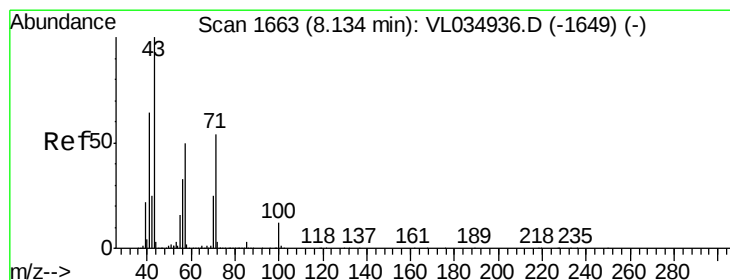
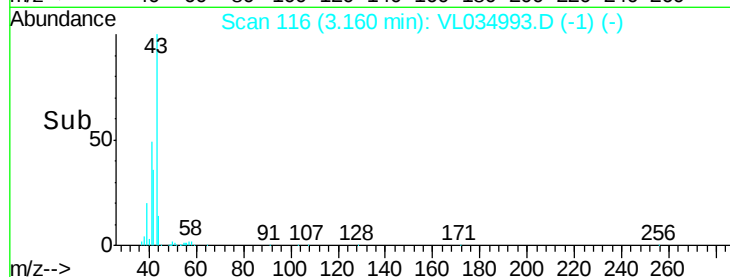
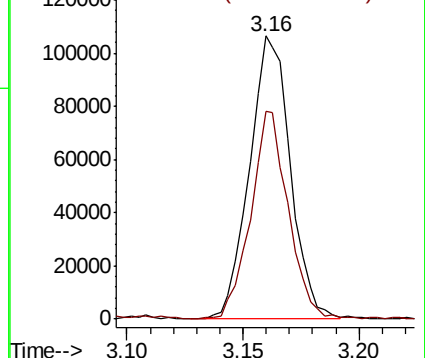
41 100

42 68.2 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.953 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL034993.D

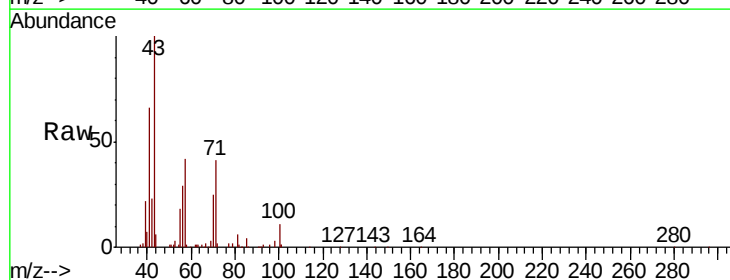
Acq: 12 May 2020 19:01

Tgt Ion: 43 Resp: 129239

Ion Ratio Lower Upper

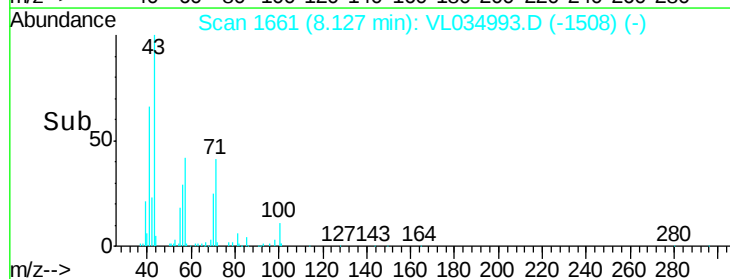
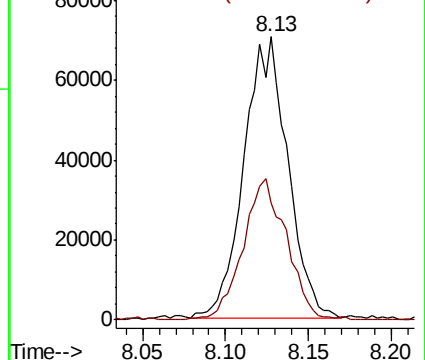
43 100

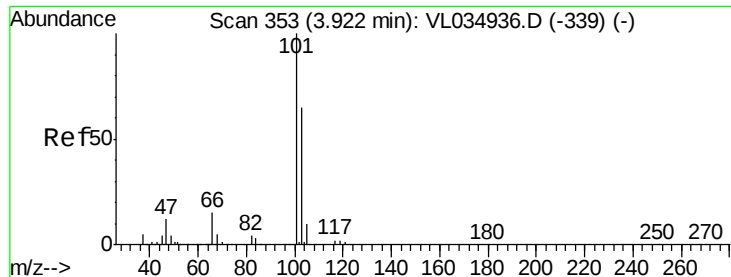
57 50.1 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.035 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.01 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

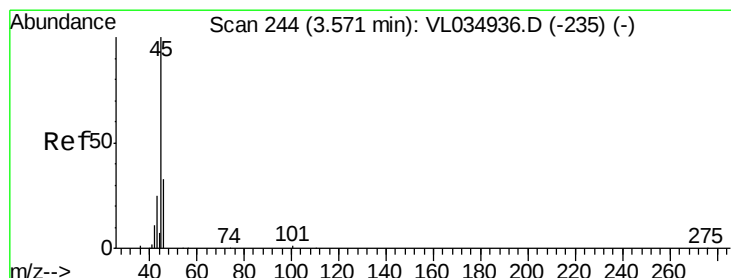
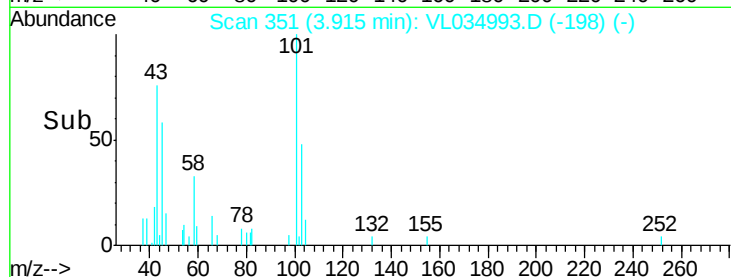
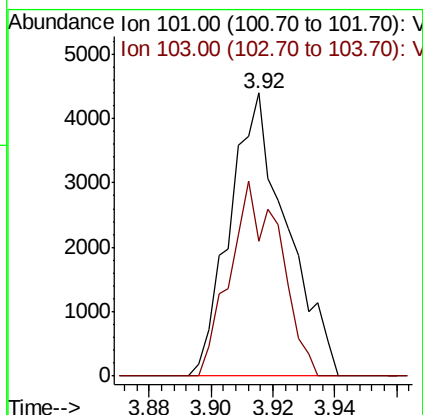
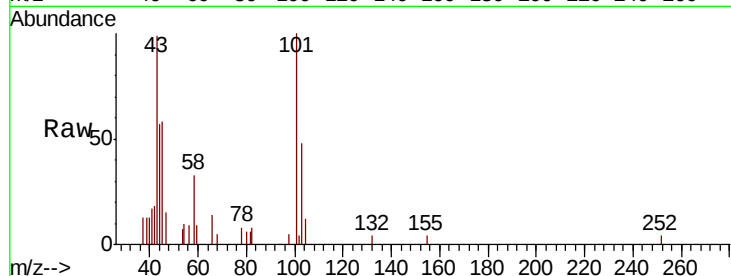
IA-2DL

Tot Ion:101 Resp: 5618

Ion Ratio Lower Upper

101 100

103 45.8 51.9 77.9#



#13

Ethanol

Concen: 16.139 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL034993.D

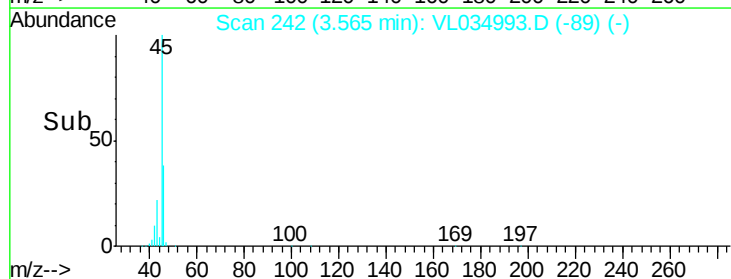
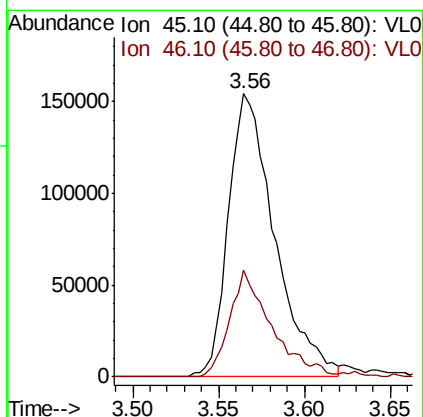
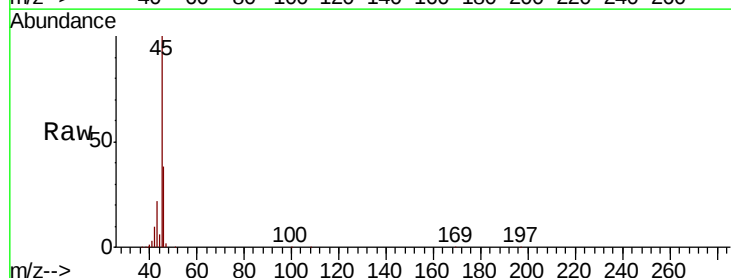
Acq: 12 May 2020 19:01

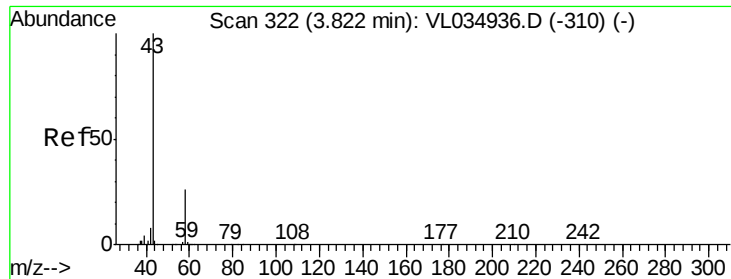
Tgt Ion: 45 Resp: 288151

Ion Ratio Lower Upper

45 100

46 35.2 14.3 57.3





#15

Acetone

Concen: 12.347 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

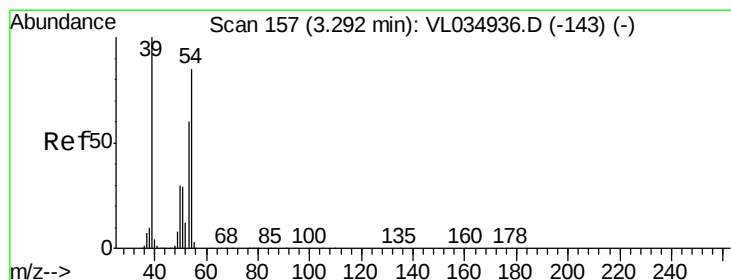
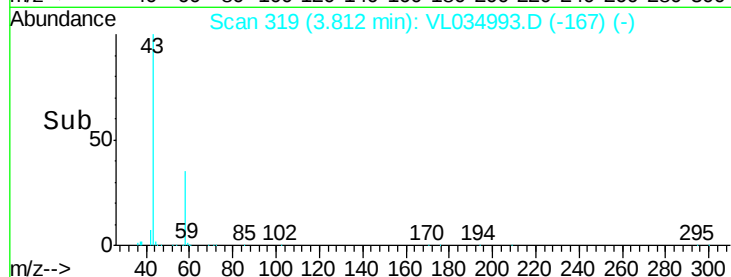
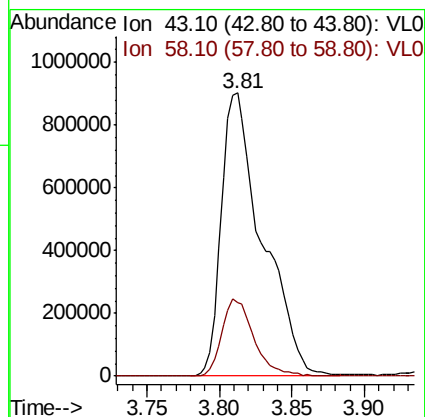
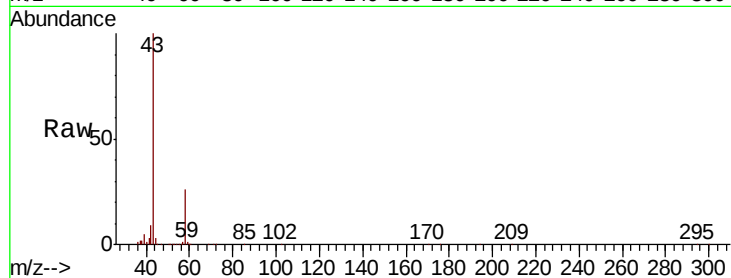
IA-2DL

Tot Ion: 43 Resp: 1782721

Ion Ratio Lower Upper

43 100

58 21.5 21.7 32.5#



#16

1,3-Butadiene

Concen: 0.337 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.03 min

Lab File: VL034993.D

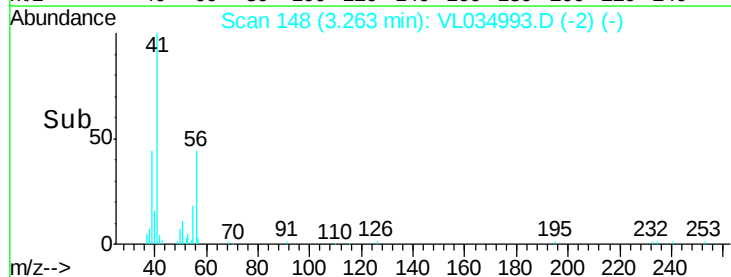
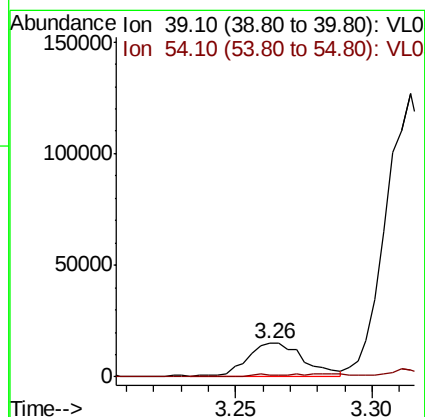
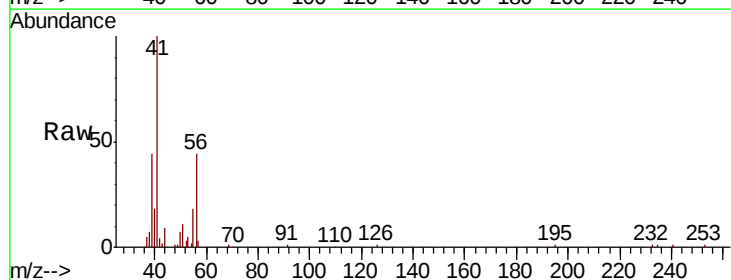
Acq: 12 May 2020 19:01

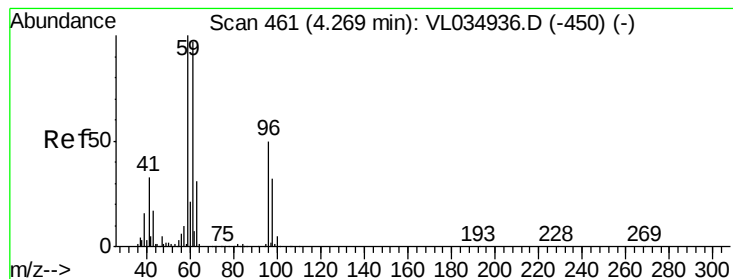
Tgt Ion: 39 Resp: 20956

Ion Ratio Lower Upper

39 100

54 0.0 66.6 100.0#



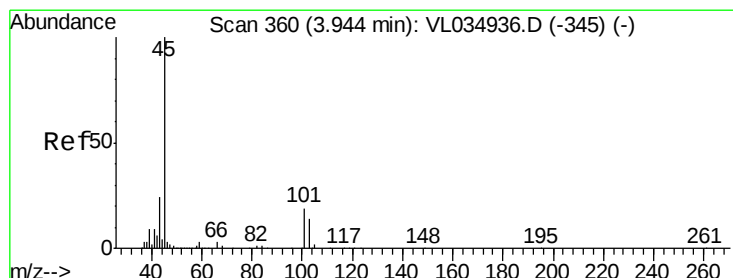
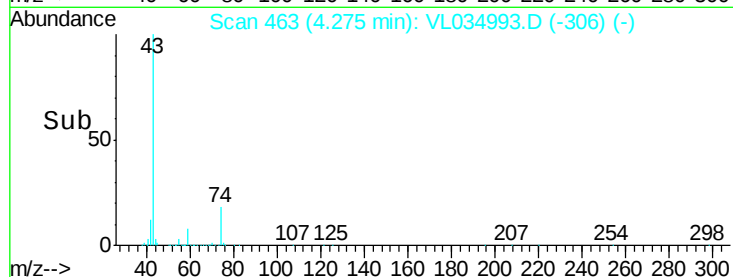
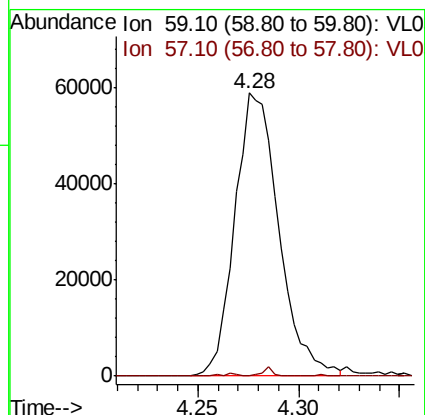
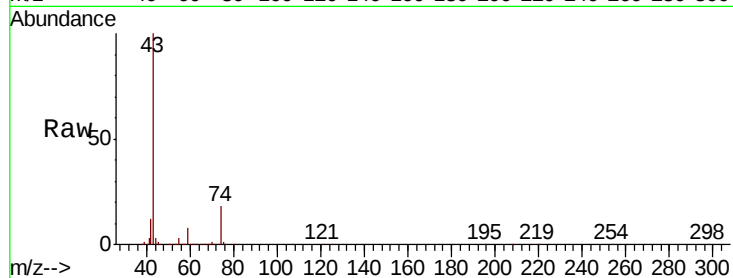


#17

tert-Butyl alcohol
 Concen: 0.703 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.01 min
 Lab File: VL034993.D
 Acq: 12 May 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleID :
 IA-2DL

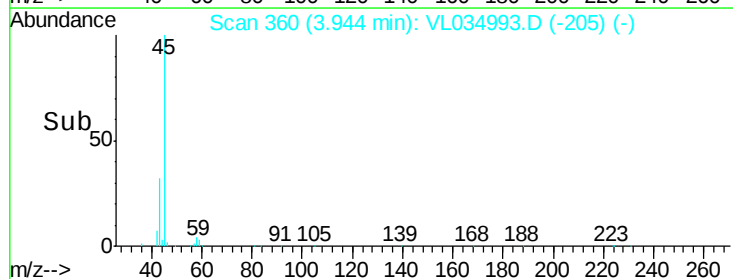
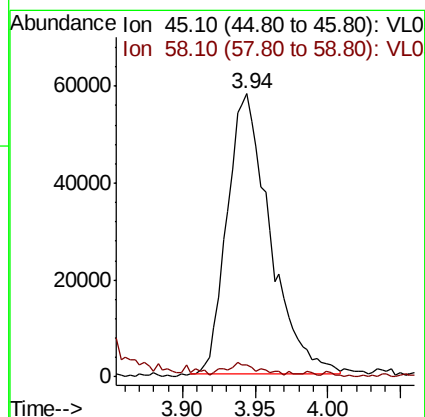
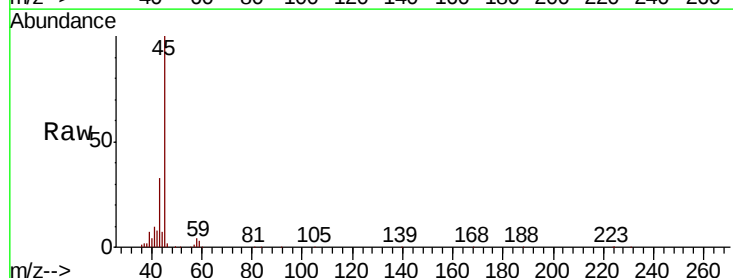
Tot Ion: 59 Resp: 90307
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

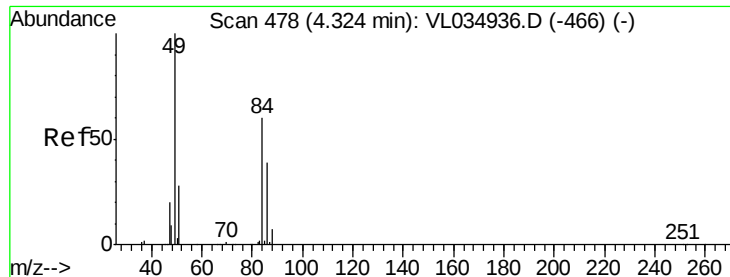


#19

Isopropyl Alcohol
 Concen: 1.237 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL034993.D
 Acq: 12 May 2020 19:01

Tgt Ion: 45 Resp: 119083
 Ion Ratio Lower Upper
 45 100
 58 321.9 1.7 2.5#





#20

Methylene Chloride

Concen: 0.366 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.01 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion: 84 Resp: 17482

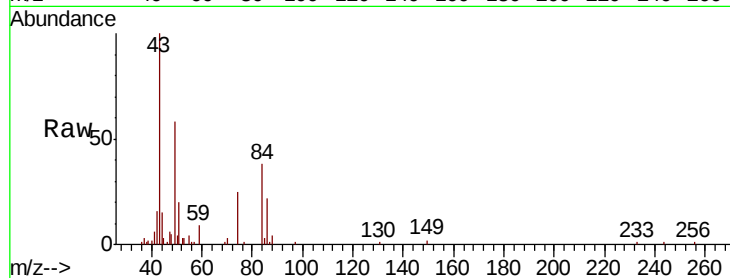
Ion Ratio Lower Upper

84 100

49 150.9 132.5 198.7

51 46.1 38.4 57.6

86 57.2 51.2 76.8

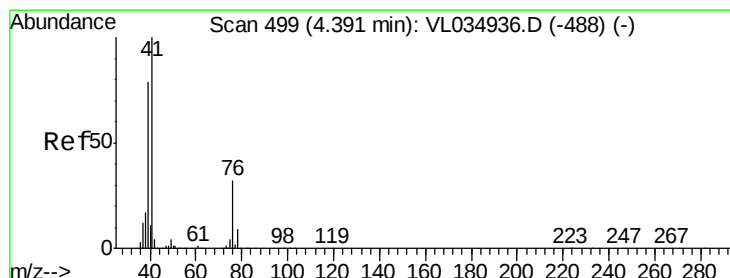
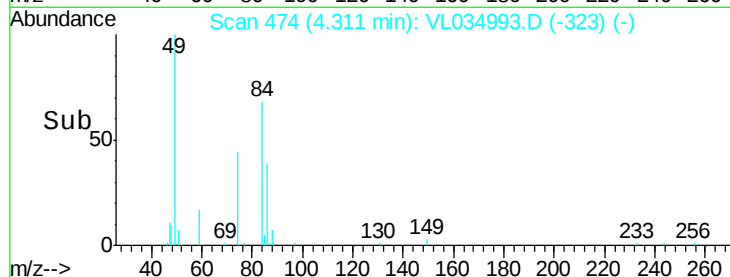
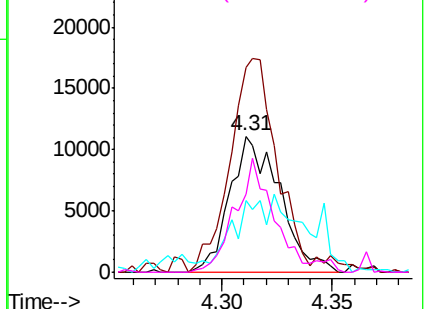


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.347 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.05 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

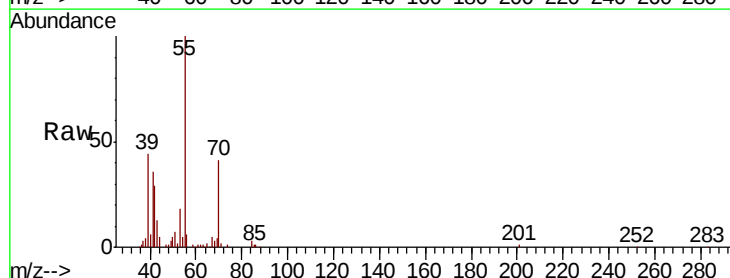
Tgt Ion: 41 Resp: 28327

Ion Ratio Lower Upper

41 100

76 0.0 23.6 35.4#

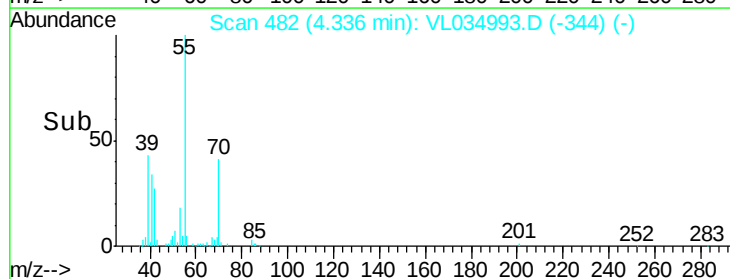
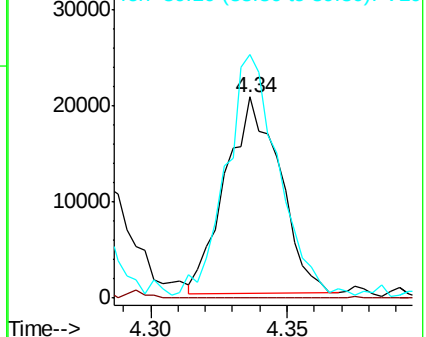
39 117.1 61.9 92.9#

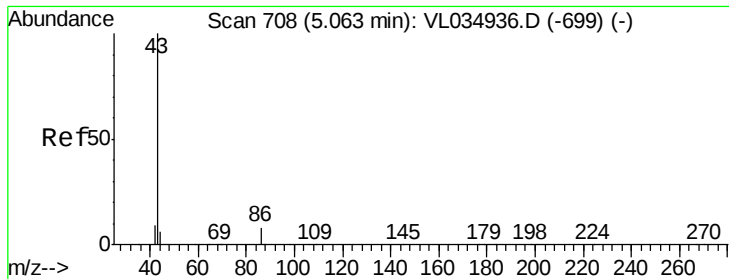


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.409 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.03 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampled :

IA-2DL

Tot Ion: 43 Resp: 74926

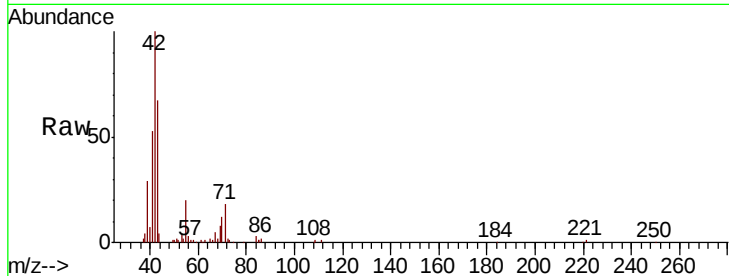
Ion Ratio Lower Upper

43 100

86 2.3 5.5 8.3#

42 150.6 8.0 12.0#

44 2.8 4.5 6.7#

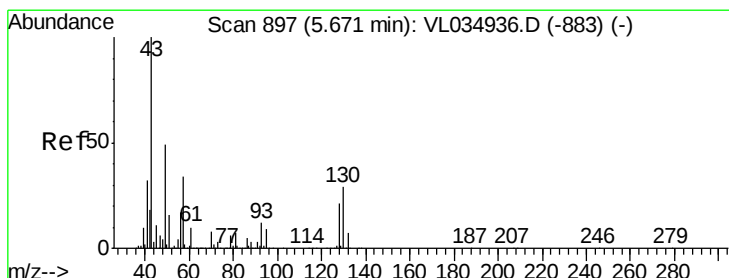
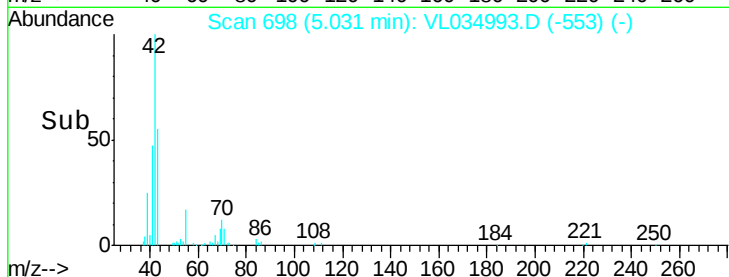
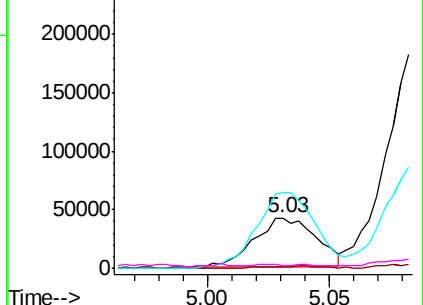


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.959 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Tgt Ion: 43 Resp: 232561

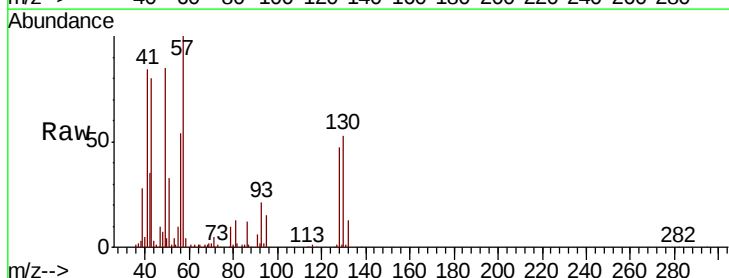
Ion Ratio Lower Upper

43 100

45 3.1 8.1 12.1#

61 3.1 7.8 11.8#

70 3.4 6.0 9.0#

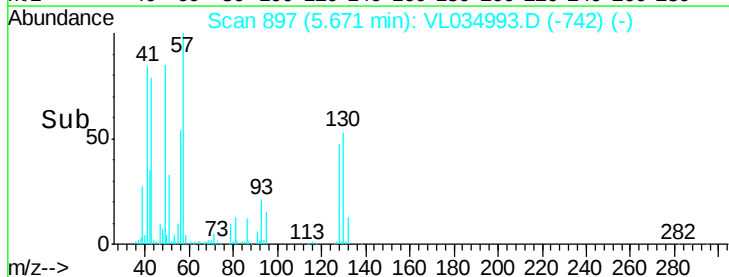
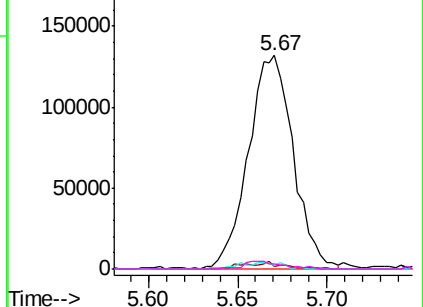


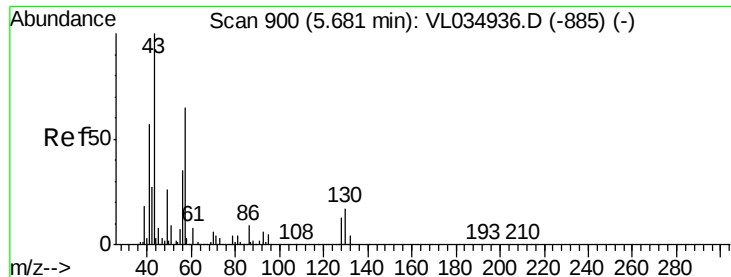
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

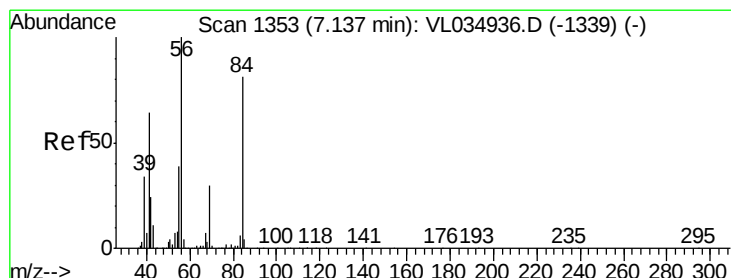
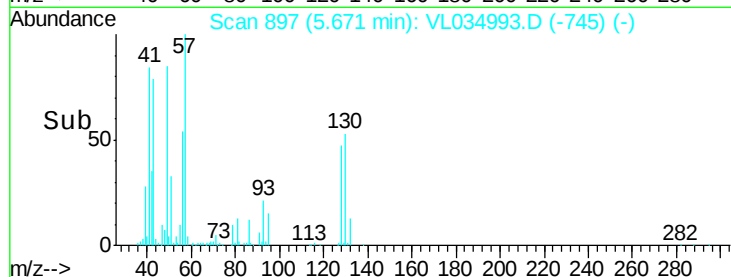
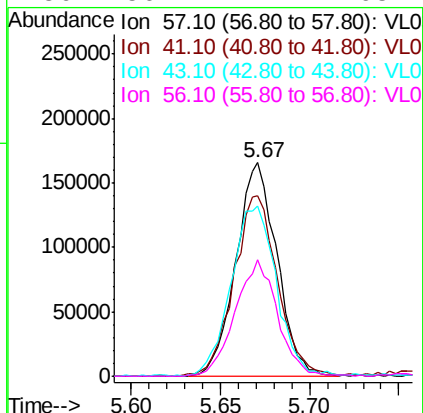
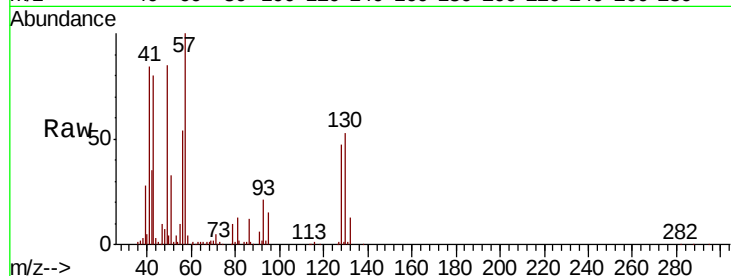




#26
Hexane
Concen: 2.519 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL034993.D
Acq: 12 May 2020 19:01

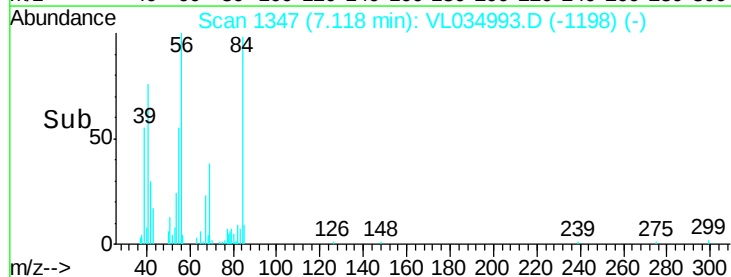
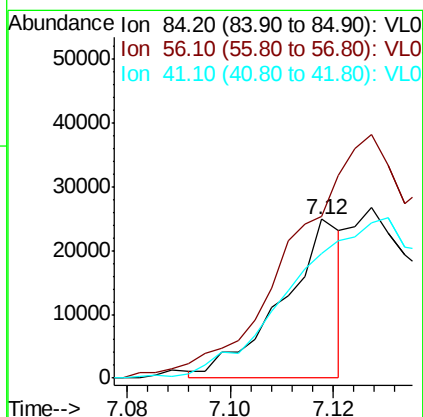
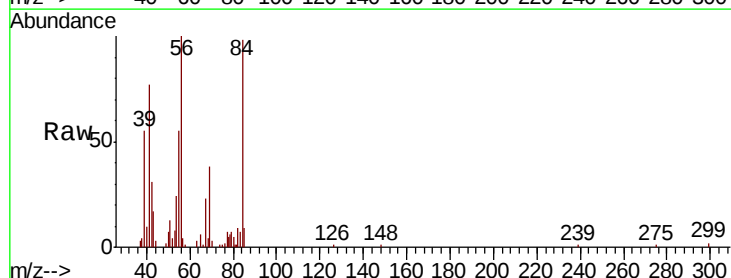
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

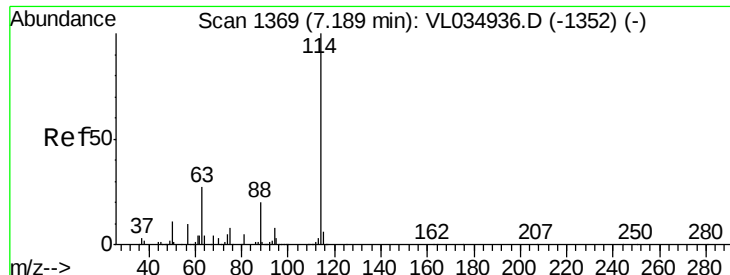
Tot Ion: 57 Resp: 264828
Ion Ratio Lower Upper
57 100
41 91.1 72.7 109.1
43 89.4 182.1 273.1#
56 56.2 42.2 63.2



#30
Cyclohexane
Concen: 0.246 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL034993.D
Acq: 12 May 2020 19:01

Tgt Ion: 84 Resp: 19984
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.2#
41 0.0 66.7 100.1#

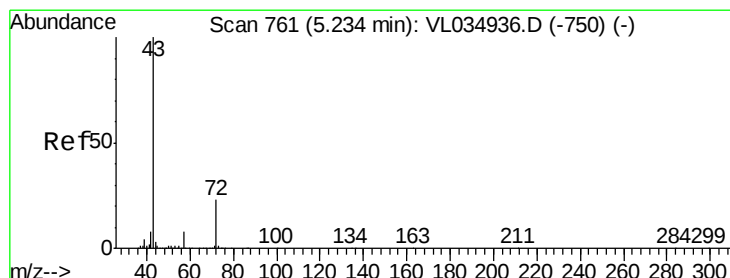
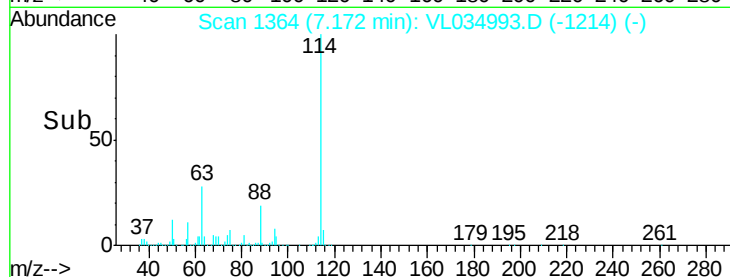
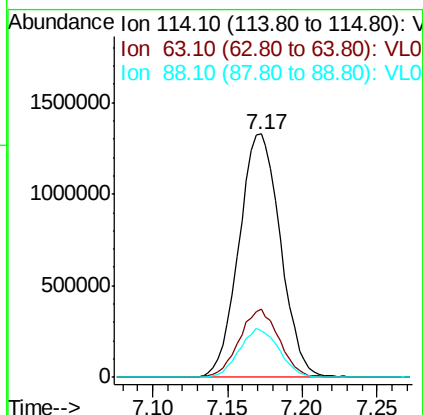
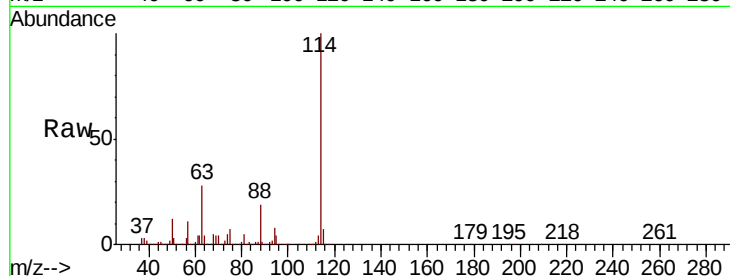




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL034993.D
 Acq: 12 May 2020 19:01

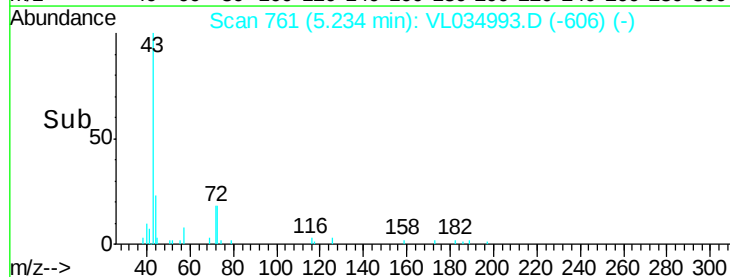
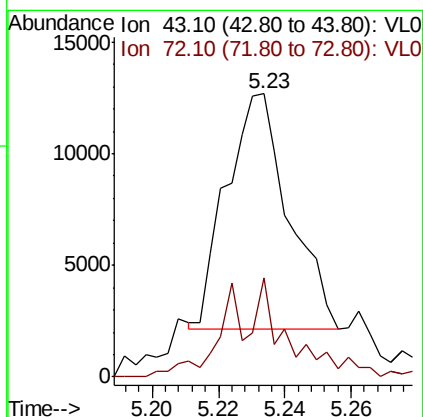
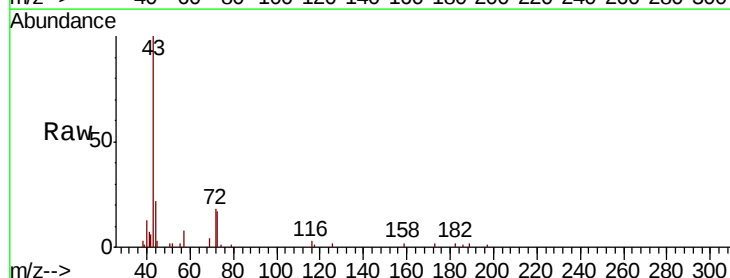
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

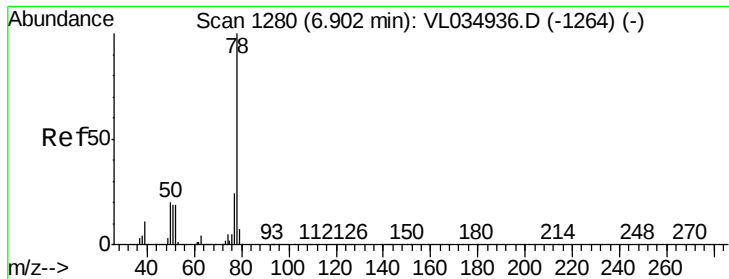
Tot Ion:114 Resp: 2562611
 Ion Ratio Lower Upper
 114 100
 63 26.9 22.2 33.4
 88 19.3 15.5 23.3



#34
 2-Butanone
 Concen: 0.087 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL034993.D
 Acq: 12 May 2020 19:01

Tgt Ion: 43 Resp: 13793
 Ion Ratio Lower Upper
 43 100
 72 39.9 18.0 27.0#





#36

Benzene

Concen: 0.620 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

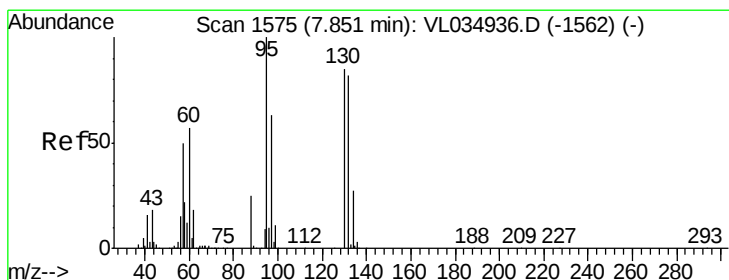
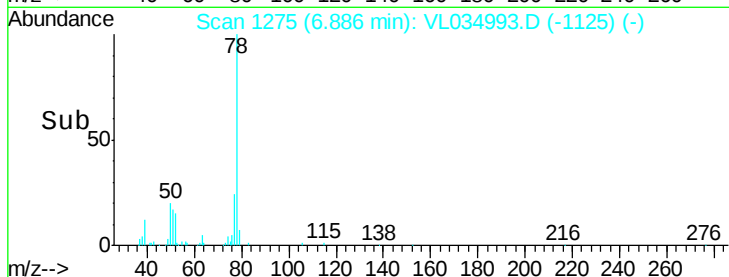
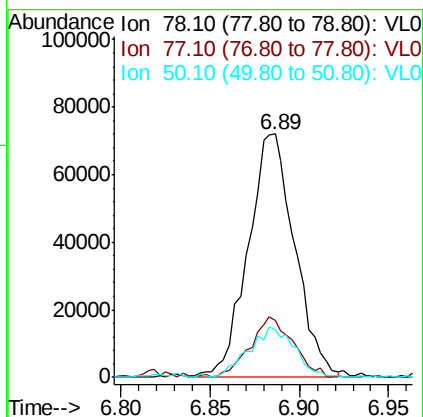
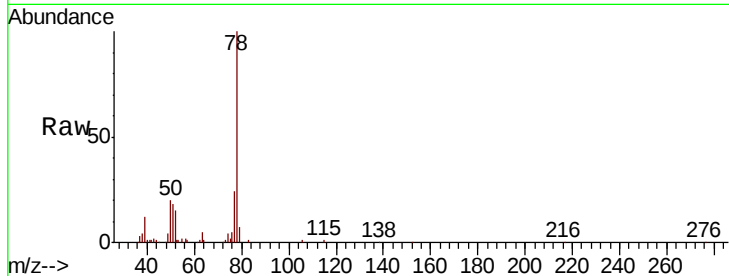
Tot Ion: 78 Resp: 131062

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

50 19.7 15.8 23.8



#38

Trichloroethene

Concen: 0.054 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Tgt Ion:130 Resp: 4437

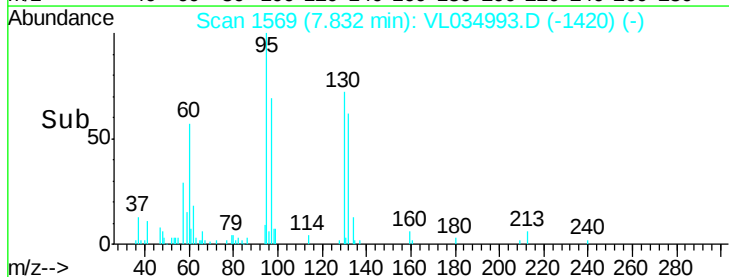
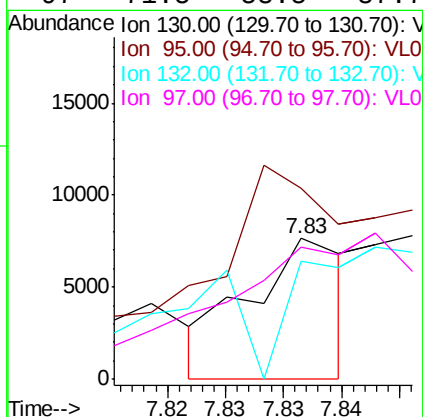
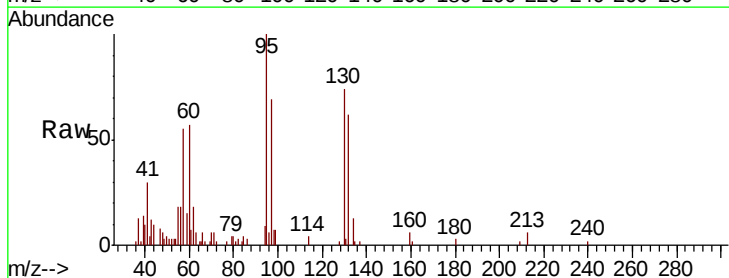
Ion Ratio Lower Upper

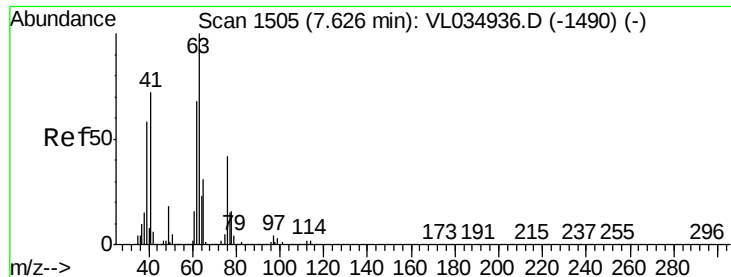
130 100

95 104.0 93.4 140.0

132 51.4 76.4 114.6#

97 71.5 58.5 87.7

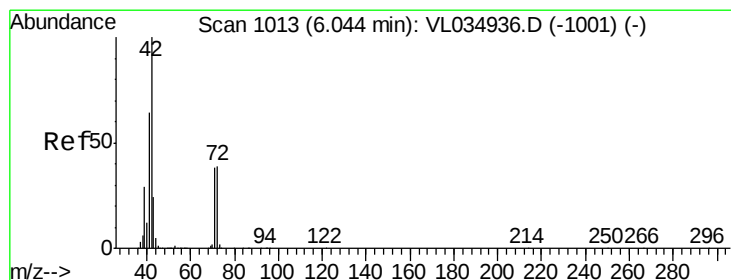
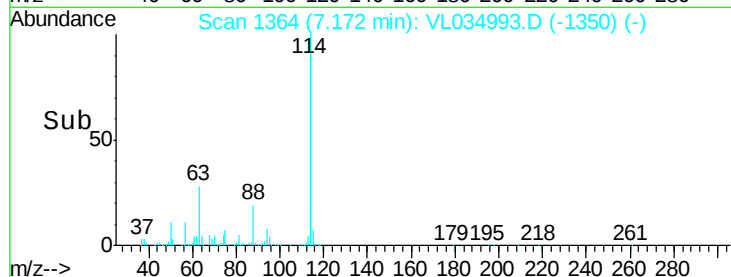
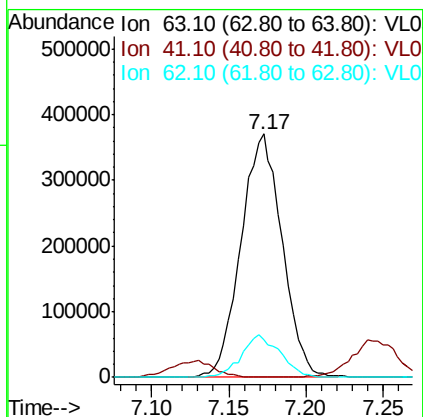
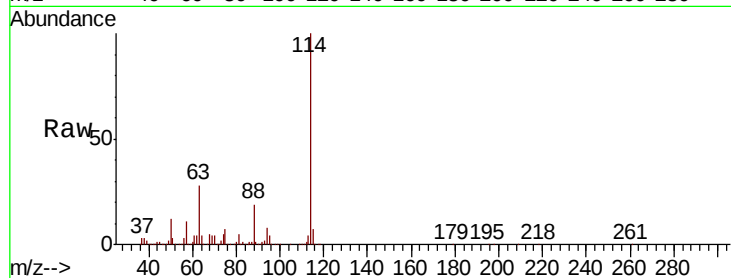




#39
 1,2-Dichloropropane
 Concen: 8.075 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL034993.D
 Acq: 12 May 2020 19:01

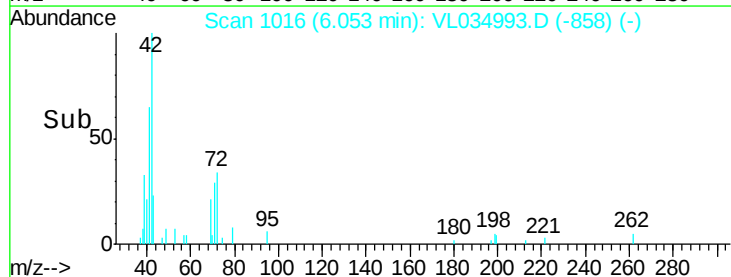
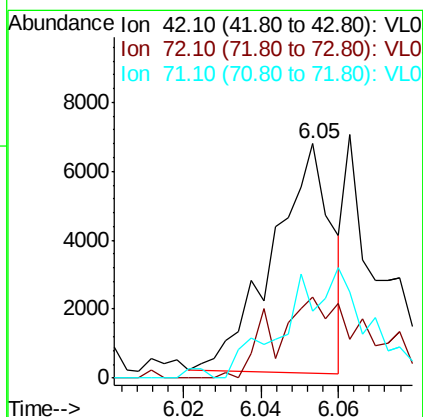
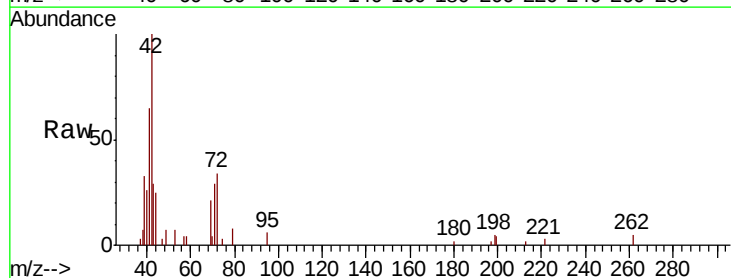
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

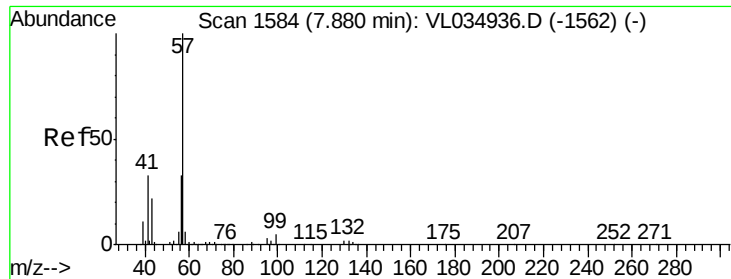
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	15.4	54.2	81.2#



#41
 Tetrahydrofuran
 Concen: 0.084 ppbv
 RT: 6.05 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VL034993.D
 Acq: 12 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	58.5	31.4	47.0#
71	0.0	29.8	44.8#





#44

2,2,4-Trimethylpentane

Concen: 0.560 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

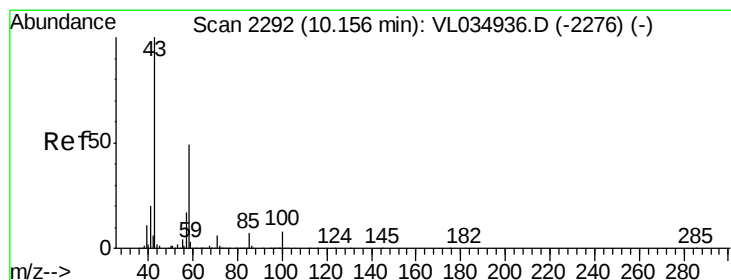
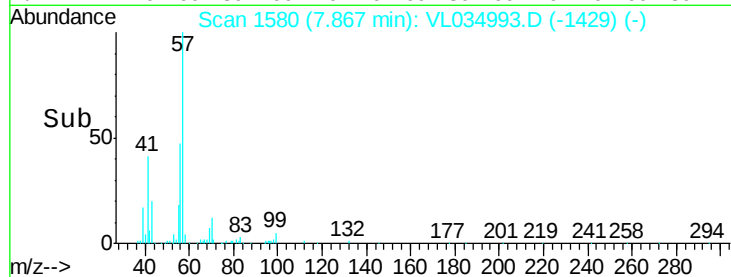
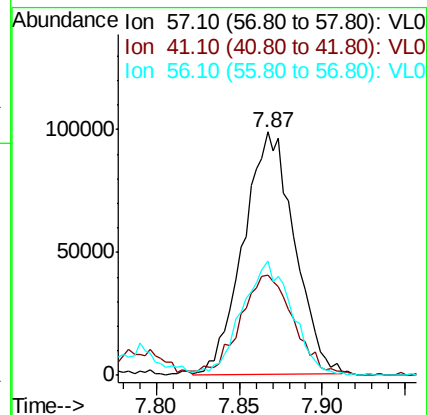
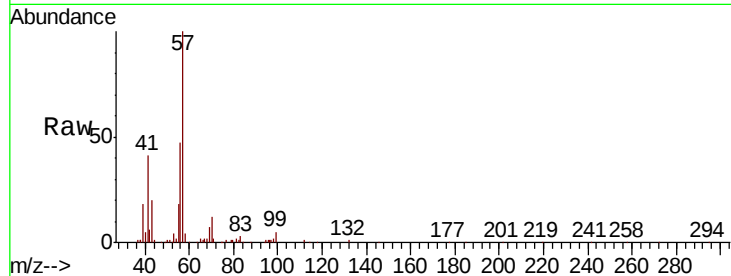
Tot Ion: 57 Resp: 210226

Ion Ratio Lower Upper

57 100

41 43.7 26.4 39.6#

56 46.3 25.5 38.3#



#51

2-Hexanone

Concen: 0.083 ppbv

RT: 10.12 min Scan# 2280

Delta R.T. -0.04 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

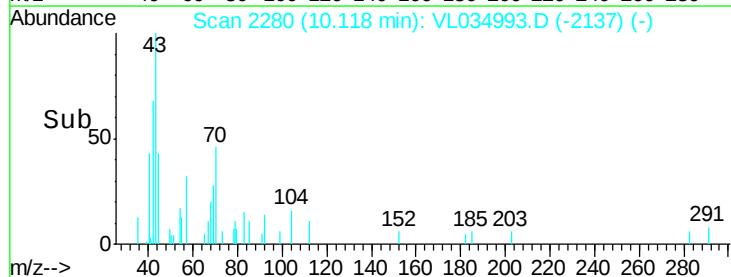
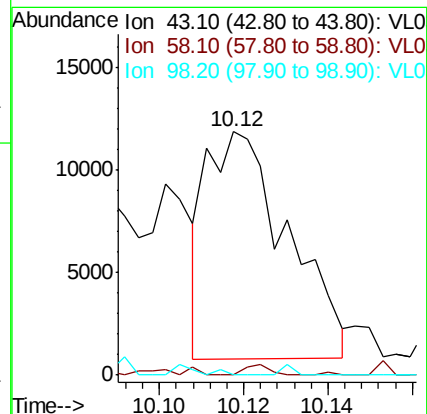
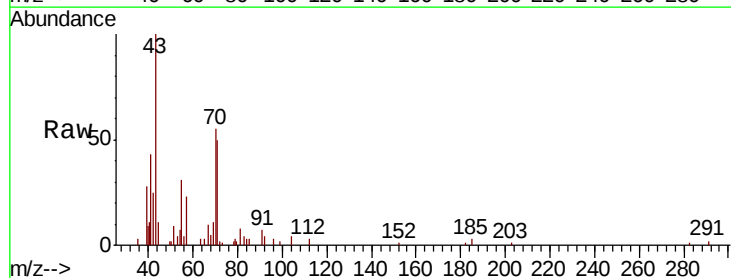
Tgt Ion: 43 Resp: 14763

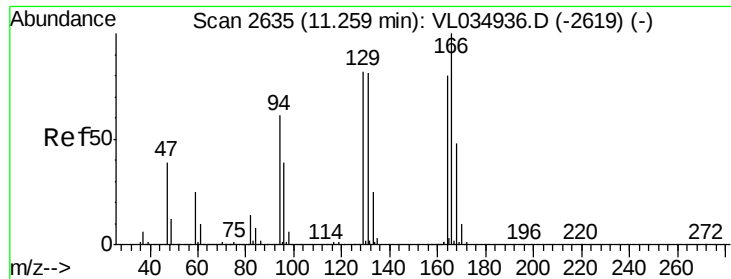
Ion Ratio Lower Upper

43 100

58 3.0 39.1 58.7#

98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.733 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion:164 Resp: 55086

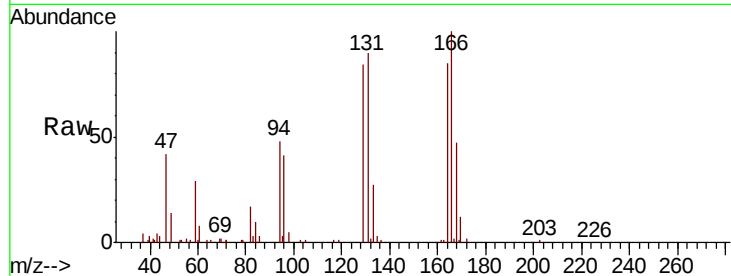
Ion Ratio Lower Upper

164 100

166 112.8 100.7 151.1

129 94.1 83.0 124.4

131 103.1 81.0 121.4

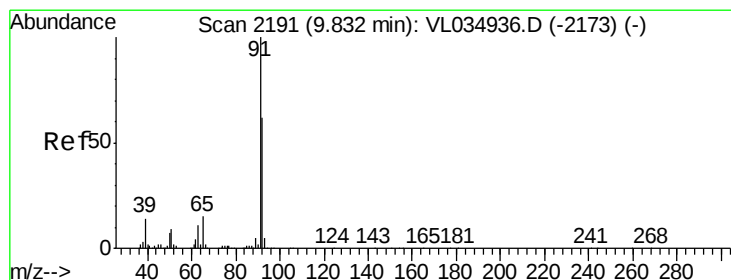
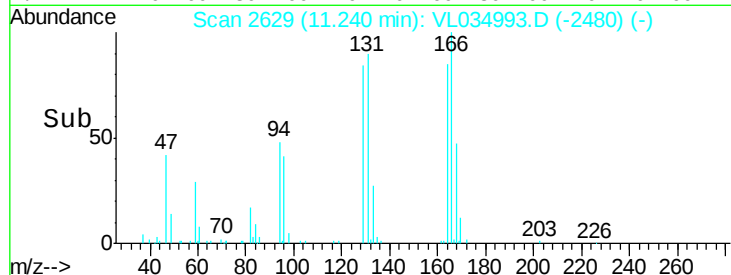
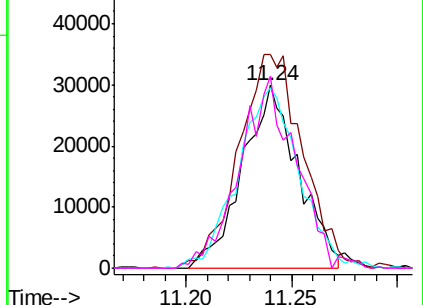


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.163 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: VL034993.D

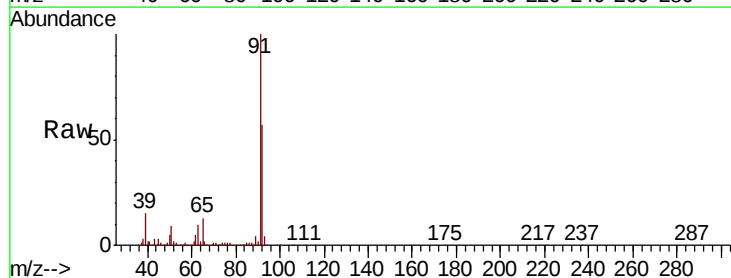
Acq: 12 May 2020 19:01

Tgt Ion: 91 Resp: 2276173

Ion Ratio Lower Upper

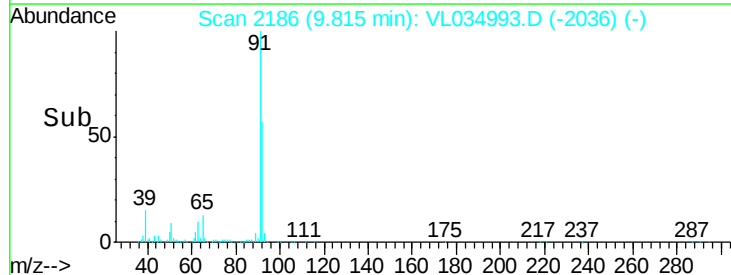
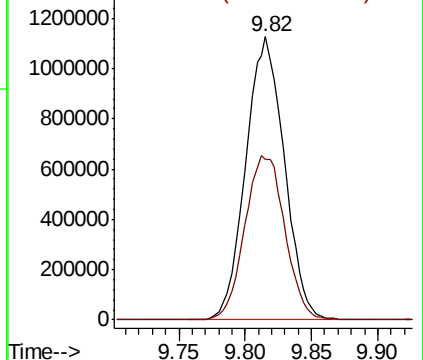
91 100

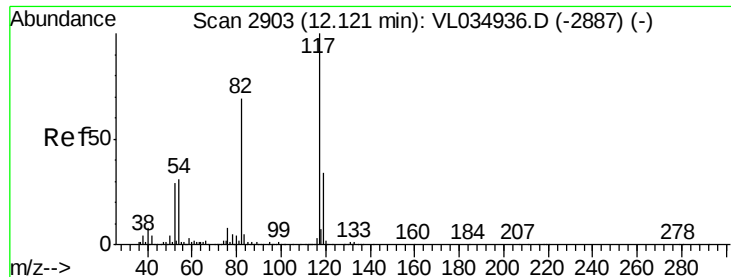
92 60.4 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

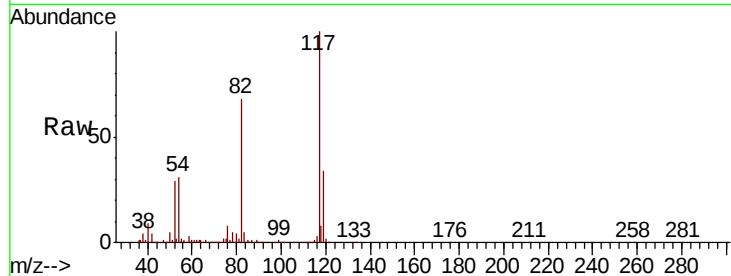




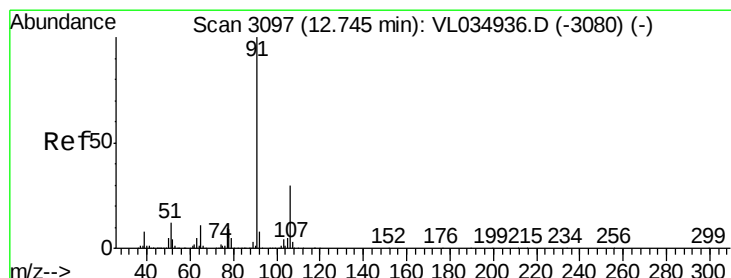
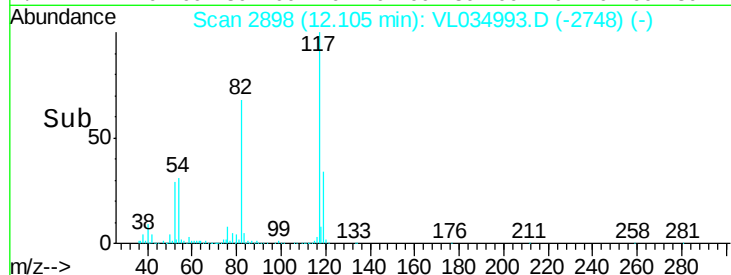
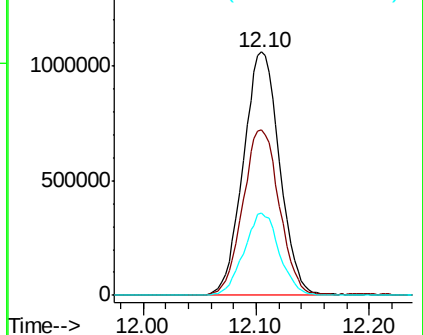
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL034993.D
Acq: 12 May 2020 19:01

Instrument :
MSVOA_L
ClientSampleID :
IA-2DL

Tot Ion:117 Resp: 2376428
Ion Ratio Lower Upper
117 100
82 68.5 53.1 79.7
119 32.9 26.7 40.1

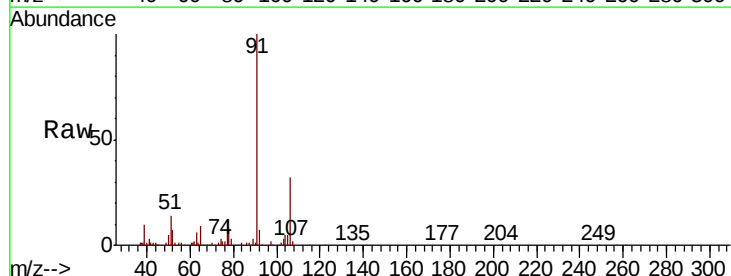


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

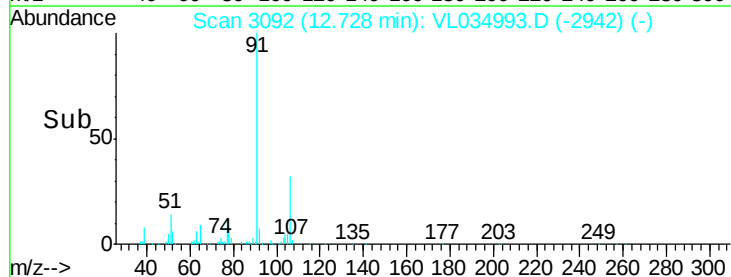
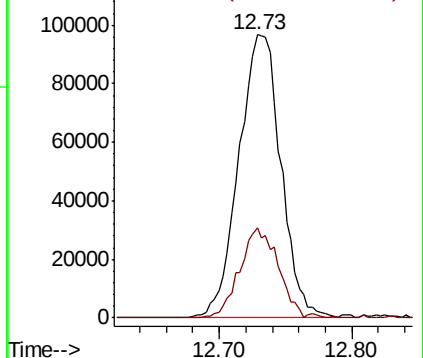


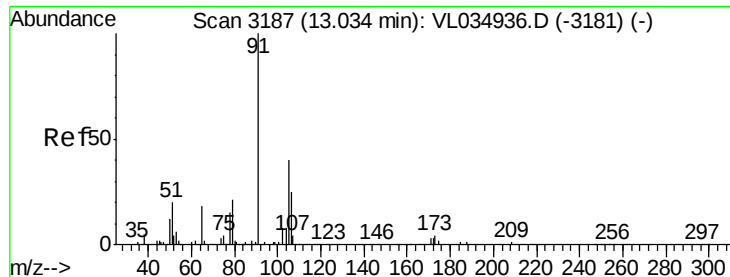
#58
Ethyl Benzene
Concen: 0.727 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.02 min
Lab File: VL034993.D
Acq: 12 May 2020 19:01

Tgt Ion: 91 Resp: 213642
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4



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

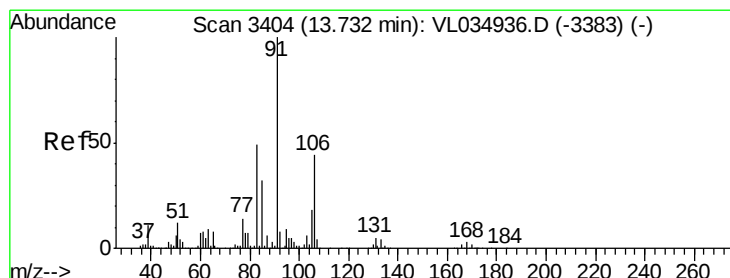
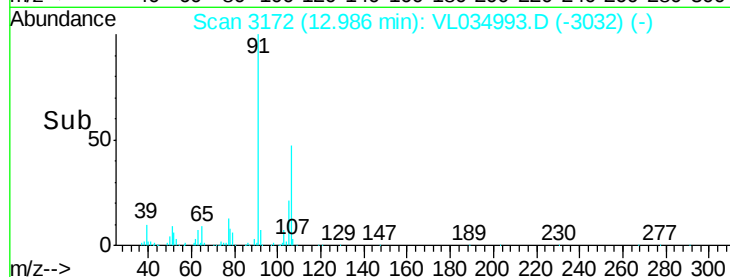
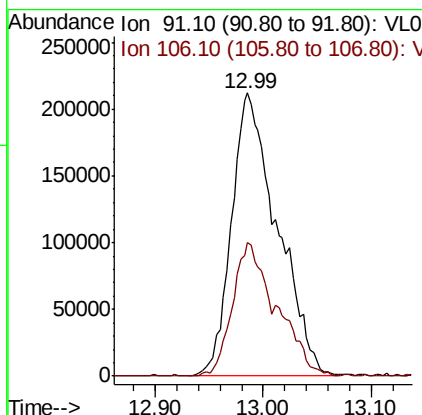
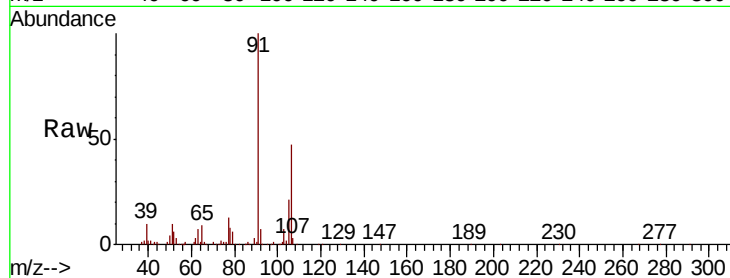




#59
m/p-Xylene
Concen: 2.415 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.05 min
Lab File: VL034993.D
Acq: 12 May 2020 19:01

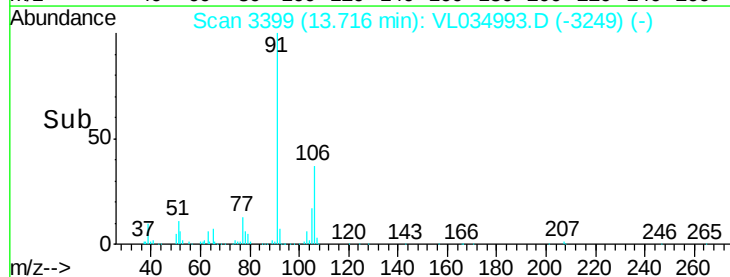
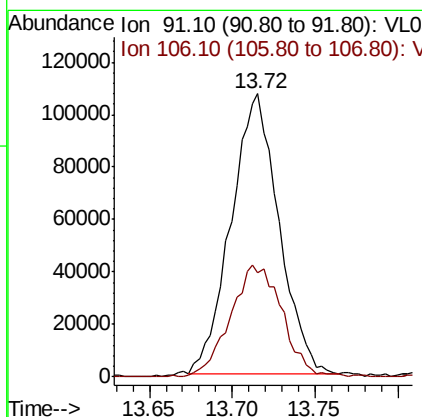
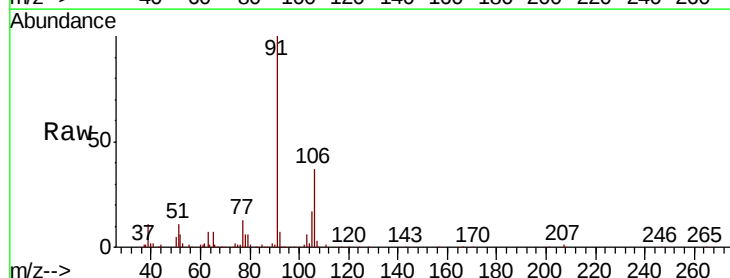
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

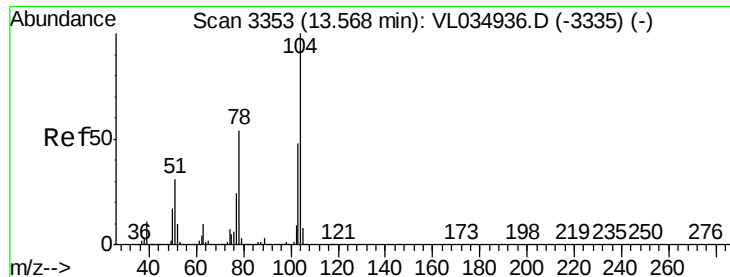
Tot Ion: 91 Resp: 624352
Ion Ratio Lower Upper
91 100
106 45.4 66.0 99.0#



#60
o-Xylene
Concen: 0.842 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.02 min
Lab File: VL034993.D
Acq: 12 May 2020 19:01

Tgt Ion: 91 Resp: 214913
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.5





#61

Stvrene

Concen: 0.258 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

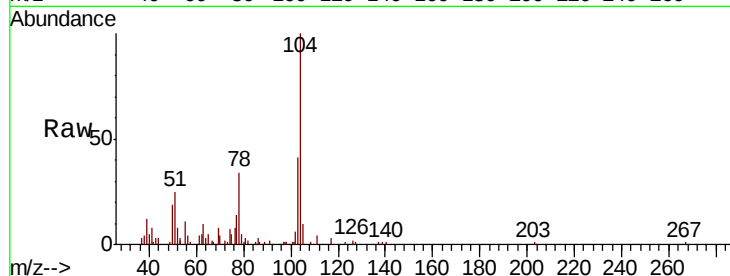
Tot Ion:104 Resp: 41576

Ion Ratio Lower Upper

104 100

78 63.3 43.7 65.5

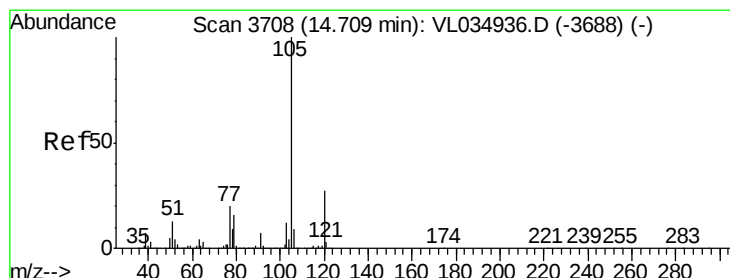
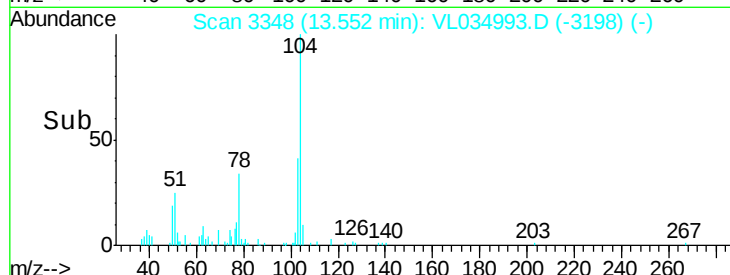
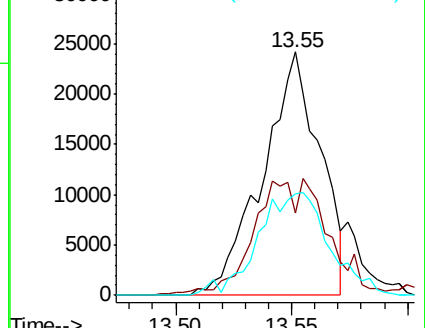
103 52.7 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.032 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.02 min

Lab File: VL034993.D

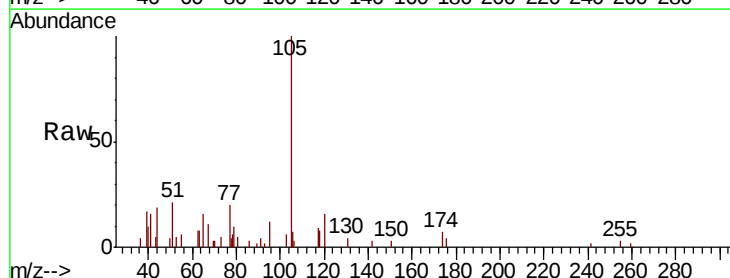
Acq: 12 May 2020 19:01

Tgt Ion:105 Resp: 12263

Ion Ratio Lower Upper

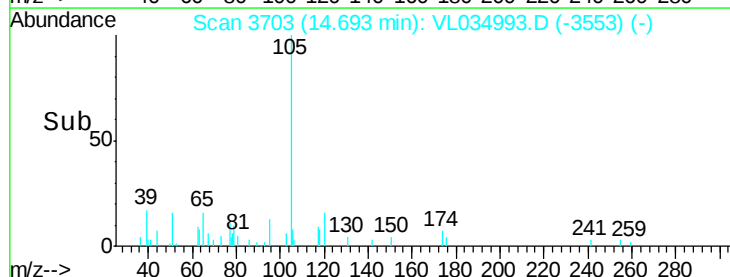
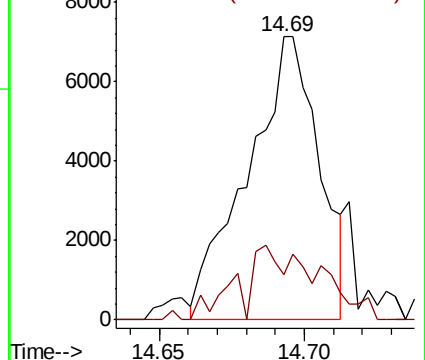
105 100

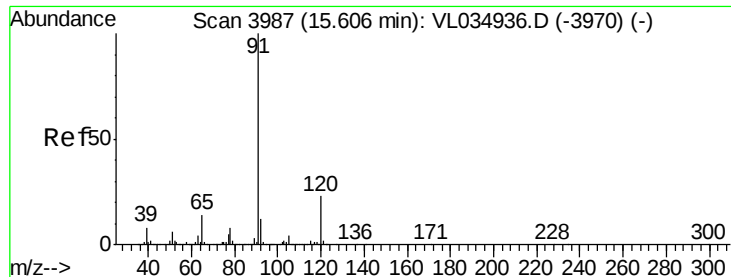
120 28.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.033 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

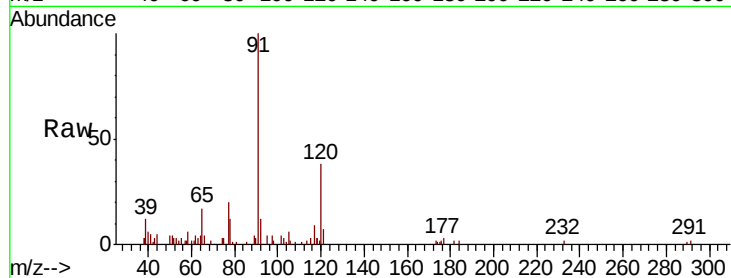
IA-2DL

Tot Ion:120 Resp: 3224

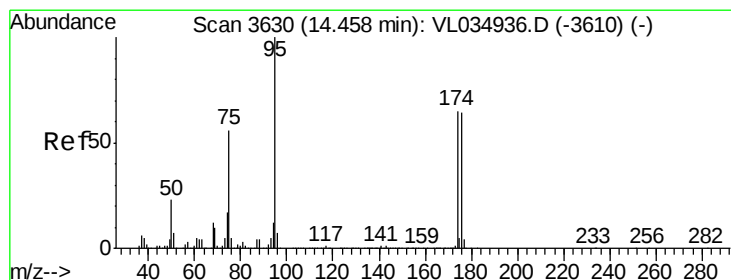
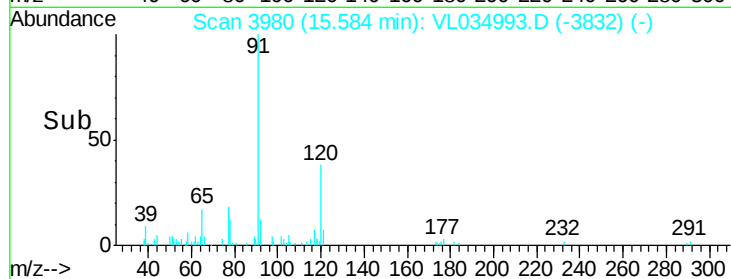
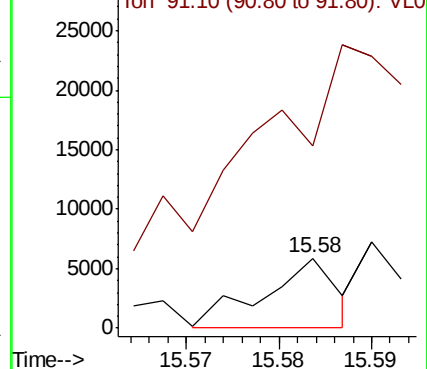
Ion Ratio Lower Upper

120 100

91 1701.5 373.5 560.3#



Abundance Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.127 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

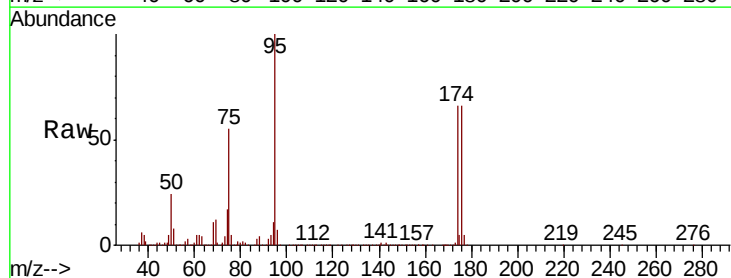
Tgt Ion: 95 Resp: 1948099

Ion Ratio Lower Upper

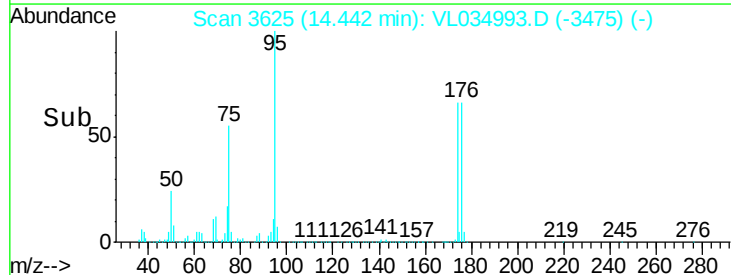
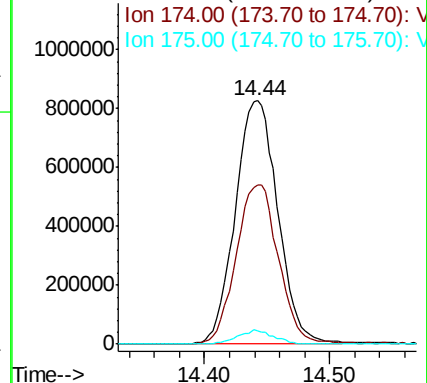
95 100

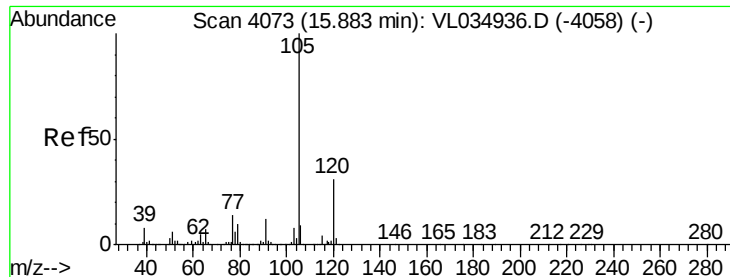
174 65.4 51.5 77.3

175 4.9 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0





#72

4-Ethyltoluene

Concen: 0.081 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

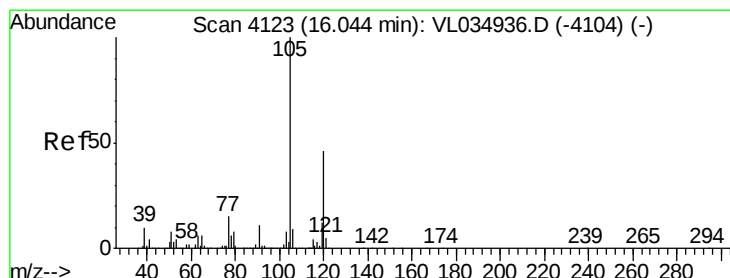
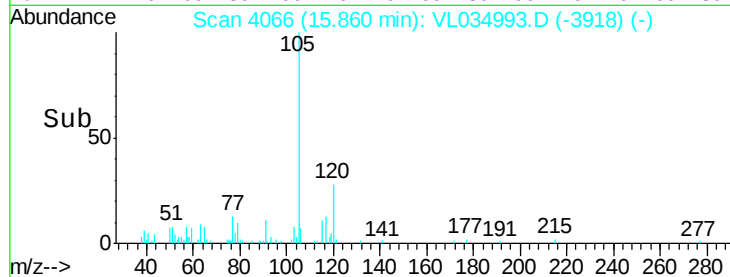
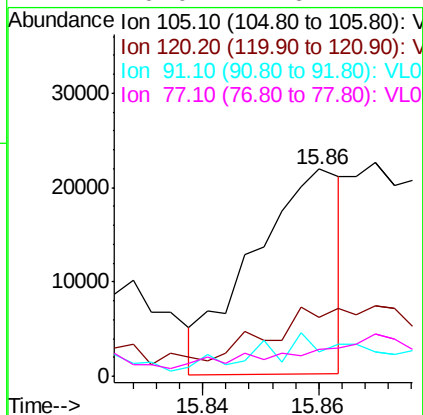
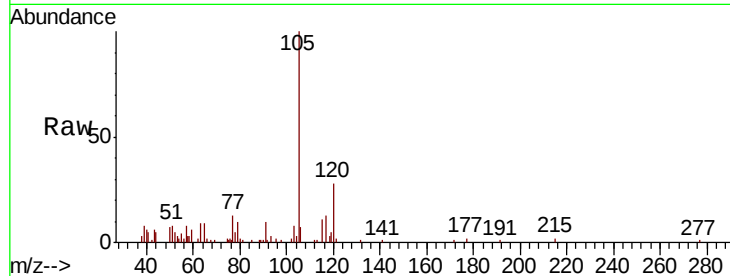
Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion:	105	Resp:	23019
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	38.2	10.6	15.8#
77	0.0	11.6	17.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.077 ppbv

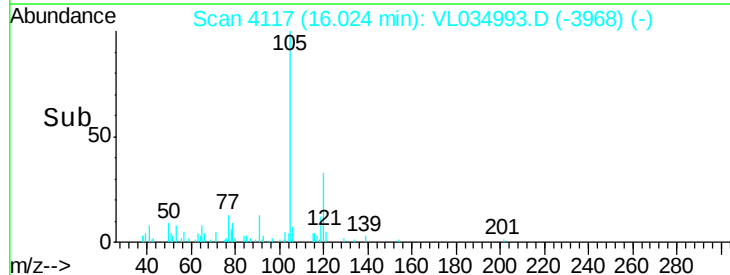
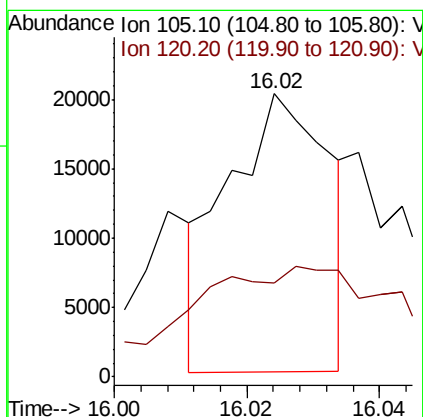
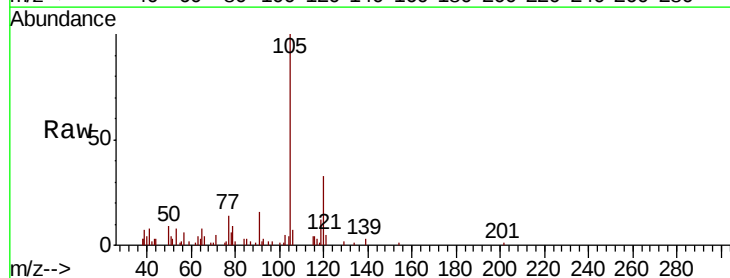
RT: 16.02 min Scan# 4117

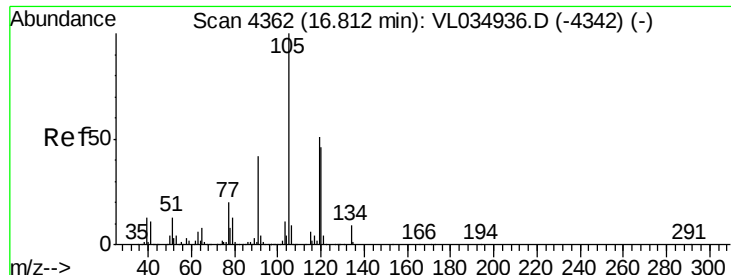
Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Tgt Ion:	105	Resp:	21299
Ion	Ratio	Lower	Upper
105	100		
120	20.5	36.4	54.6#





#74

1,2,4-Trimethylbenzene

Concen: 0.306 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL034993.D

Acq: 12 May 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion:105 Resp: 92562

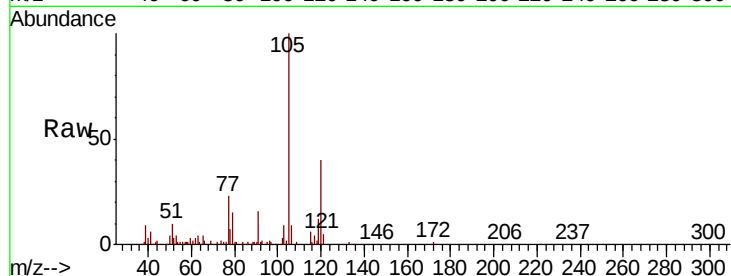
Ion Ratio Lower Upper

105 100

120 39.9 36.8 55.2

91 16.2 35.4 53.0#

77 23.3 16.2 24.2



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

