

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034466.D
 Acq On : 9 Dec 2019 16:07
 Operator : SY/AP
 Sample : K6195-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2

Quant Time: Dec 10 03:39:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

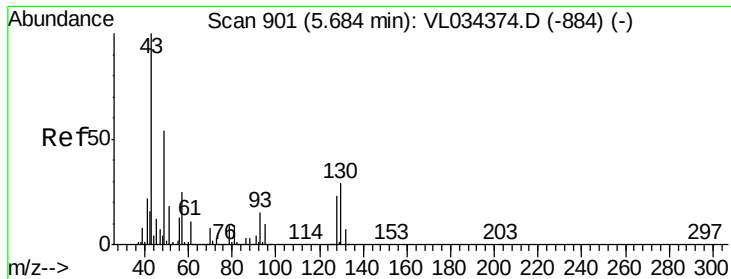
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	752904	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.19	114	1535946	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1656713	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1397377	10.03	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds						Qvalue
3) Chlorodifluoromethane	2.96	51	30590	0.326	ppbv #	86
4) Chloromethane	3.11	50	20807	0.376	ppbv	93
9) Propene	2.99	41	21950	0.526	ppbv	90
10) Heptane	8.14	43	7857	0.073	ppbv #	1
11) Trichlorofluoromethane	3.93	101	37722	0.278	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.47	101	6738	0.075	ppbv	99
13) Ethanol	3.59	45	1169418	100.659	ppbv	96
15) Acetone	3.83	43	532129	4.936	ppbv	99
16) 1,3-Butadiene	3.28	39	12804	0.273	ppbv #	9
17) tert-Butyl alcohol	4.29	59	21637	0.239	ppbv	98
19) Isopropyl Alcohol	3.96	45	656105	9.494	ppbv #	99
20) Methylene Chloride	4.34	84	72280	1.891	ppbv	90
23) Vinyl Acetate	5.07	43	16930	0.120	ppbv #	94
25) Ethyl Acetate	5.69	43	110006	0.572	ppbv #	83
26) Hexane	5.69	57	141542	1.712	ppbv #	40
27) Carbon Disulfide	4.55	76	16462	0.183	ppbv #	72
28) Methyl tert-Butyl Ether	4.95	73	4232	0.031	ppbv	98
30) Cyclohexane	7.14	84	3383	0.054	ppbv #	1
34) 2-Butanone	5.25	43	53725	0.425	ppbv	91
35) Carbon Tetrachloride	7.03	117	7610	0.058	ppbv	91
36) Benzene	6.90	78	33834	0.220	ppbv	94
39) 1,2-Dichloropropane	7.19	63	448044	7.574	ppbv #	23
41) Tetrahydrofuran	6.08	42	3421	0.048	ppbv #	77
44) 2,2,4-Trimethylpentane	7.89	57	57811	0.206	ppbv #	46
50) 4-Methyl-2-Pentanone	8.77	43	15283	0.084	ppbv #	40
52) Tetrachloroethene	11.26	164	2210	0.033	ppbv #	53
53) Toluene	9.84	91	80011	0.459	ppbv #	21
58) Ethyl Benzene	12.76	91	64414	0.251	ppbv #	78
59) m/p-Xylene	13.05	91	32261	0.145	ppbv #	33
60) o-Xylene	13.74	91	34242	0.156	ppbv	96
70) n-Butylbenzene	18.61	91	14830	0.045	ppbv #	56
72) 4-Ethyltoluene	15.90	105	38857	0.153	ppbv #	73
73) 1,3,5-Trimethylbenzene	16.05	105	67826	0.273	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	203965	0.773	ppbv #	70
80) Naphthalene,2-methyl-	25.04	142	7088	0.069	ppbv	96
81) 1,2,4-Trichlorobenzene	22.01	180	4307	0.031	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034466.D

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MSVOA_L

ClientSampleId :

NS-2

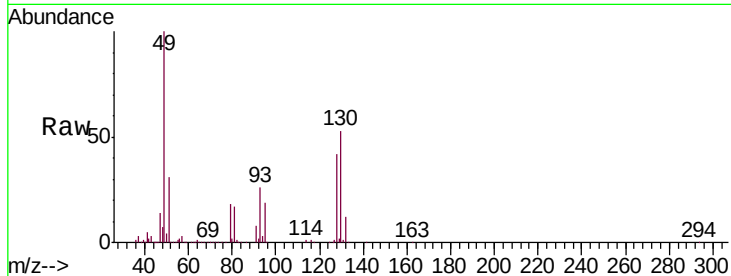
Tgt Ion: 49 Resp: 752904

Ion Ratio Lower Upper

49 100

128 44.3 21.8 65.3

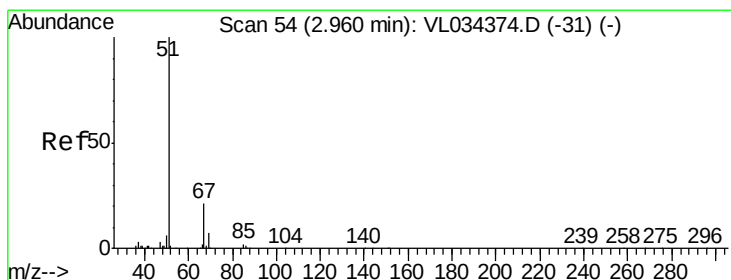
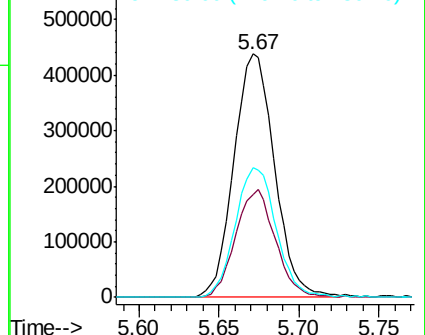
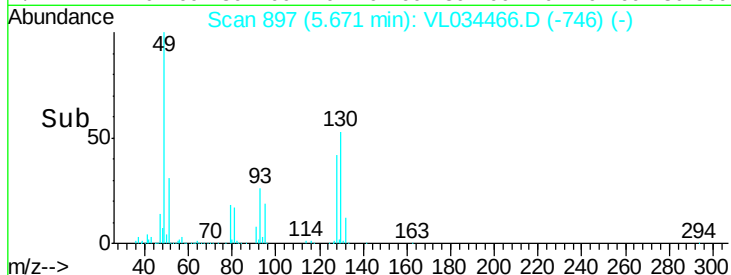
130 54.6 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL034466.D (-746) (-)

Ion 128.00 (127.70 to 128.70): VL034466.D (-746) (-)

Ion 130.00 (129.70 to 130.70): VL034466.D (-746) (-)



#3

Chlorodifluoromethane

Concen: 0.326 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.00 min

Lab File: VL034466.D

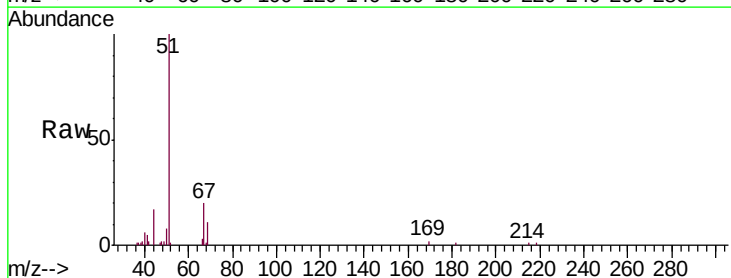
Acq: 9 Dec 2019 16:07

Tgt Ion: 51 Resp: 30590

Ion Ratio Lower Upper

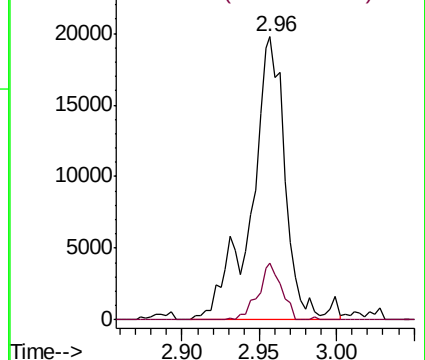
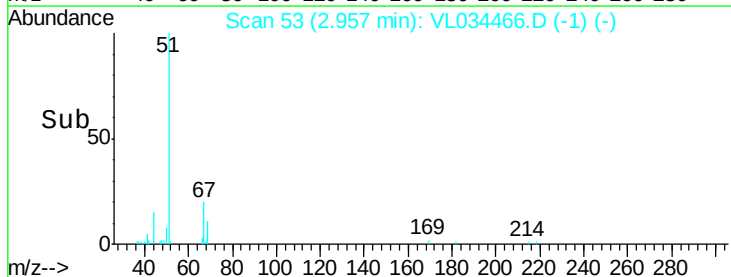
51 100

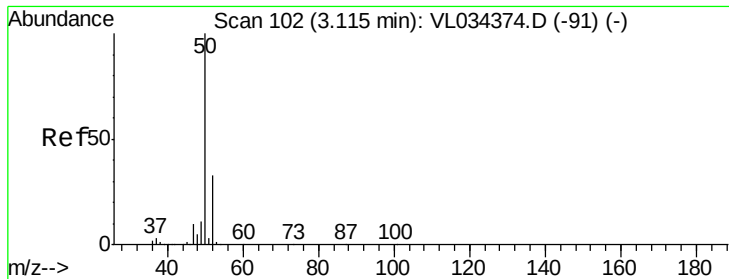
67 13.6 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL034466.D (-1) (-)

Ion 67.00 (66.70 to 67.70): VL034466.D (-1) (-)





#4

Chloromethane

Concen: 0.376 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.00 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

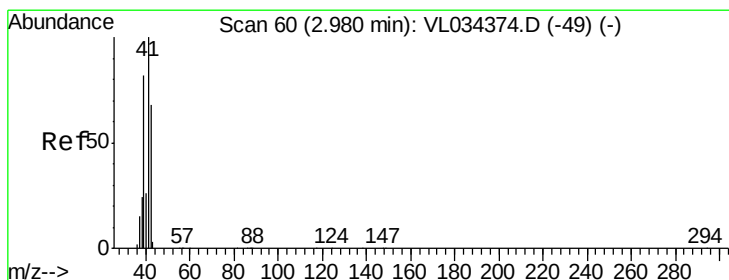
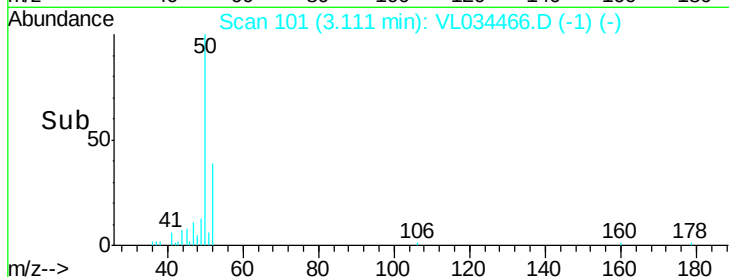
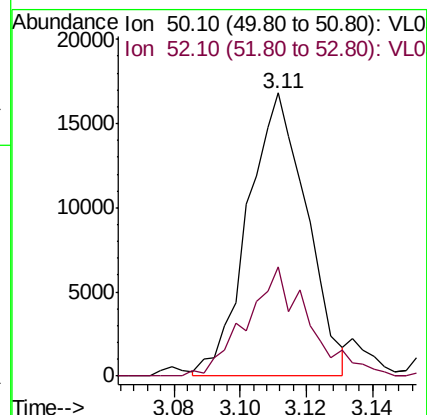
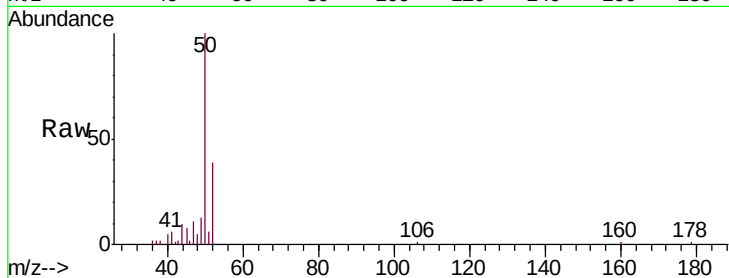
NS-2

Tgt Ion: 50 Resp: 20807

Ion Ratio Lower Upper

50 100

52 37.5 26.8 40.2



#9

Propene

Concen: 0.526 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034466.D

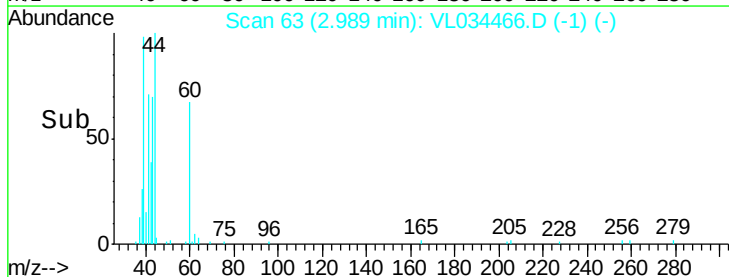
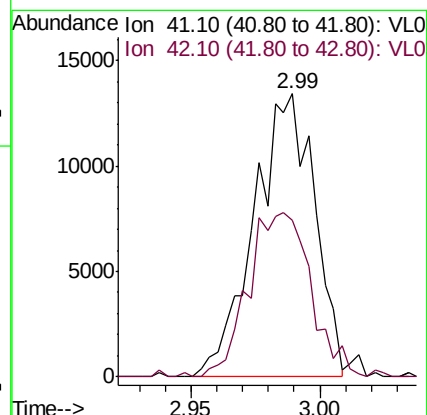
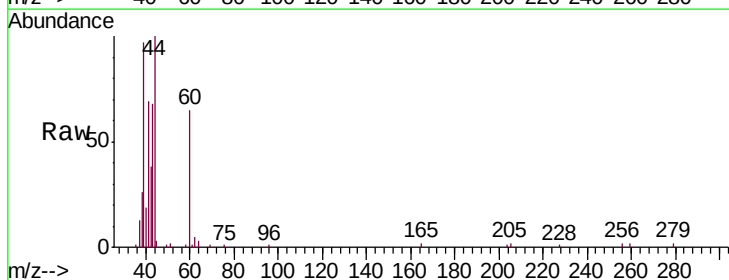
Acq: 9 Dec 2019 16:07

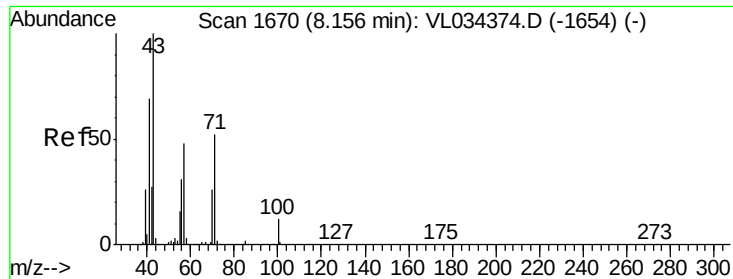
Tgt Ion: 41 Resp: 21950

Ion Ratio Lower Upper

41 100

42 60.6 54.6 82.0





#10

Heptane

Concen: 0.073 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.02 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

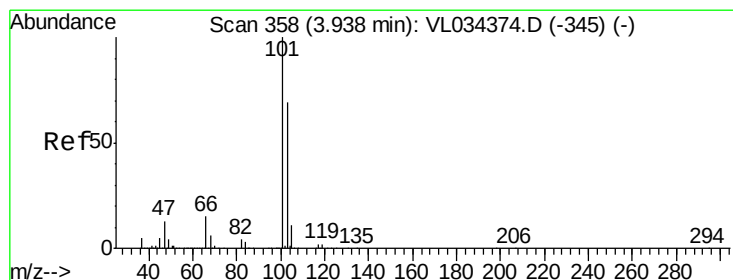
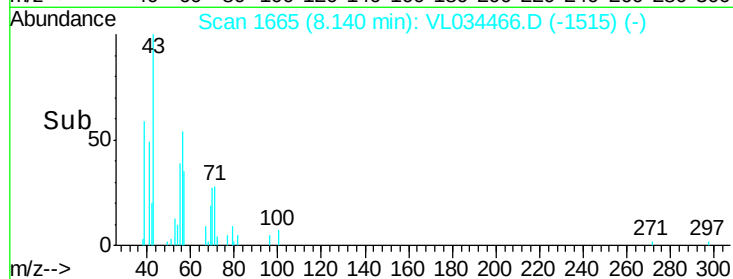
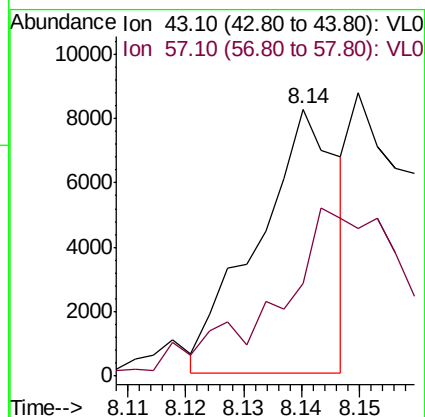
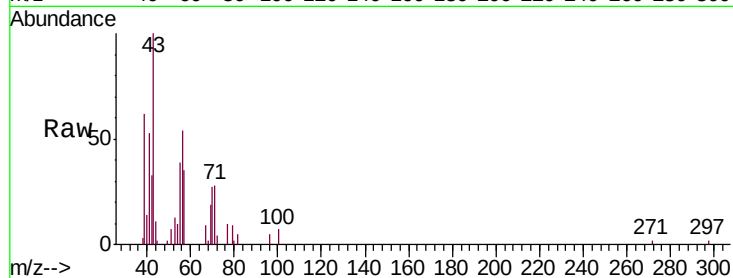
NS-2

Tgt Ion: 43 Resp: 7857

Ion Ratio Lower Upper

43 100

57 123.3 40.2 60.2#



#11

Trichlorofluoromethane

Concen: 0.278 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL034466.D

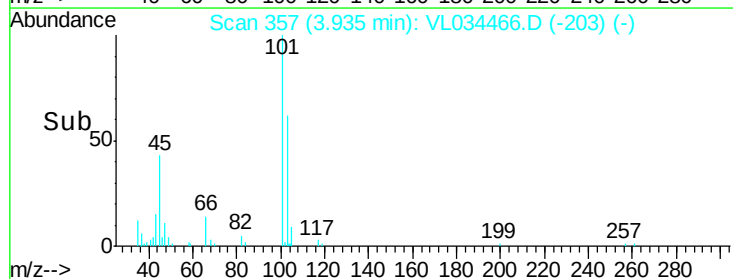
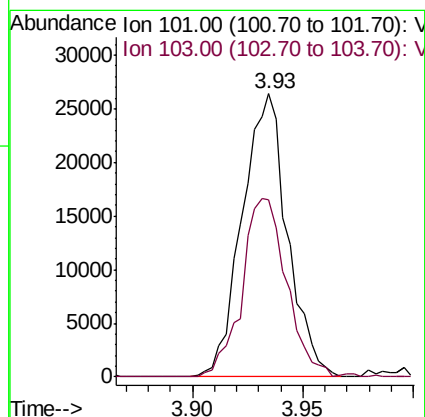
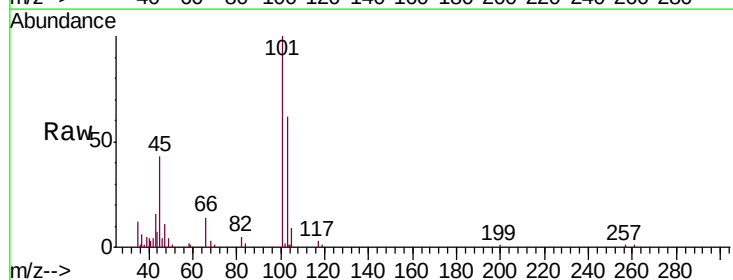
Acq: 9 Dec 2019 16:07

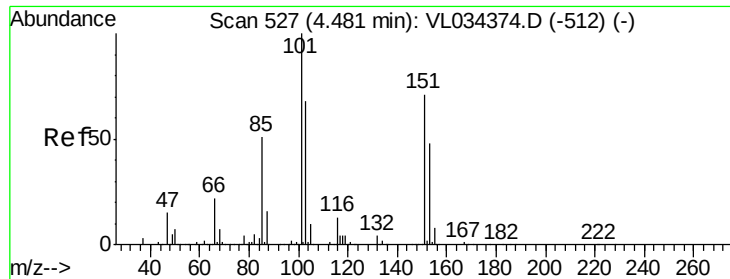
Tgt Ion: 101 Resp: 37722

Ion Ratio Lower Upper

101 100

103 61.7 55.4 83.0

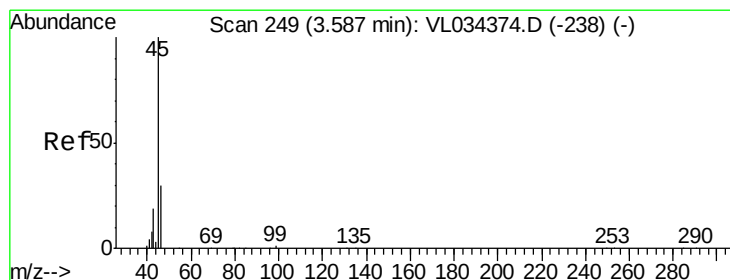
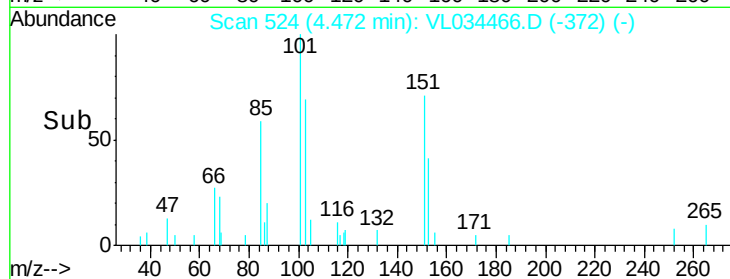
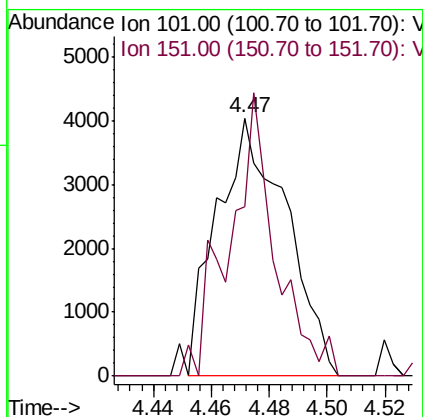
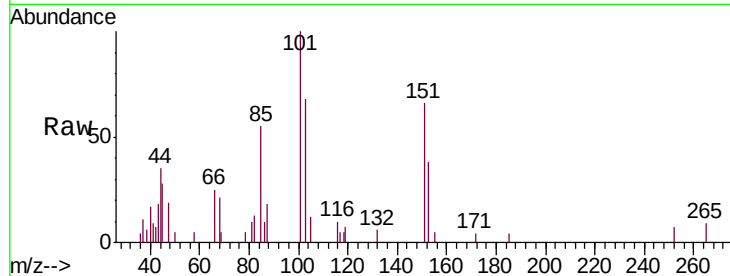




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.075 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL034466.D
 Acq: 9 Dec 2019 16:07

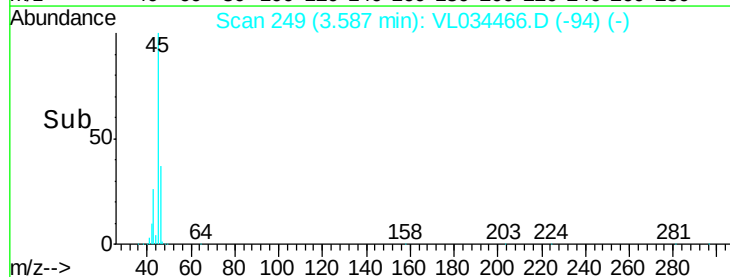
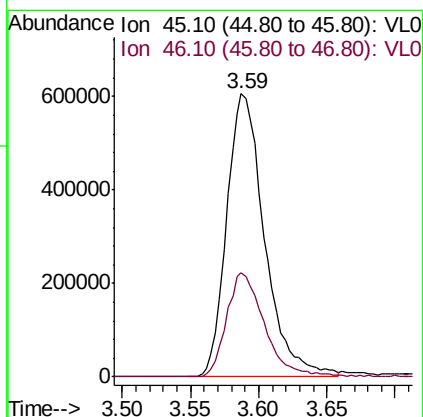
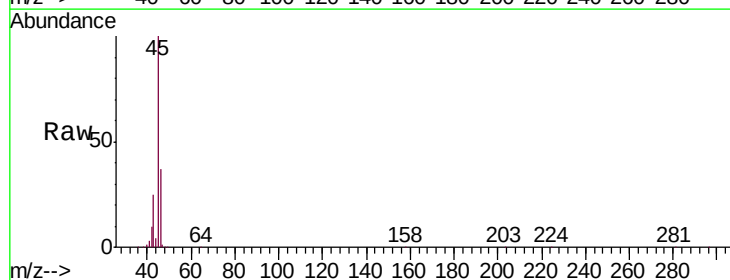
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2

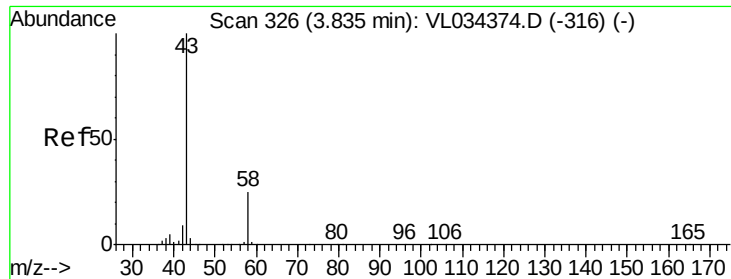
Tgt Ion: 101 Resp: 6738
 Ion Ratio Lower Upper
 101 100
 151 72.6 57.4 86.2



#13
 Ethanol
 Concen: 100.659 ppbv
 RT: 3.59 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VL034466.D
 Acq: 9 Dec 2019 16:07

Tgt Ion: 45 Resp: 1169418
 Ion Ratio Lower Upper
 45 100
 46 37.0 13.8 55.4





#15

Acetone

Concen: 4.936 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

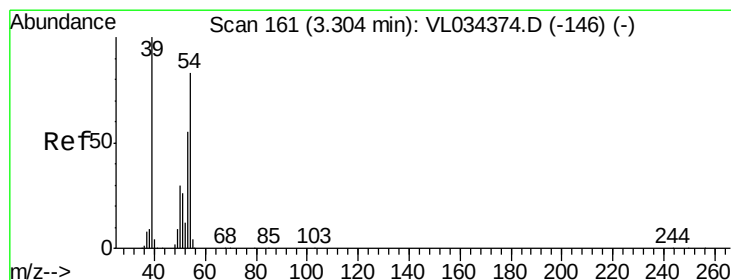
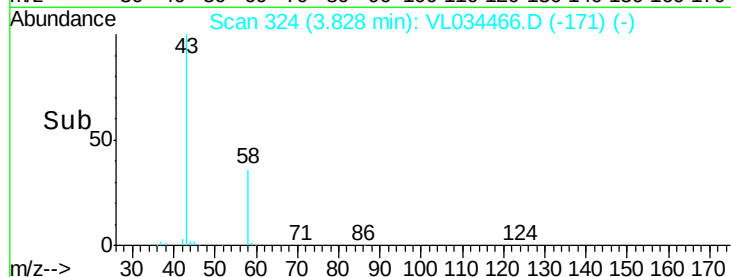
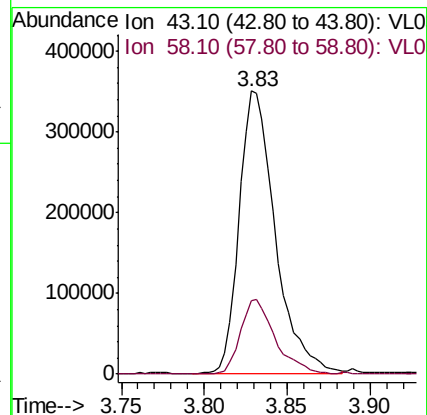
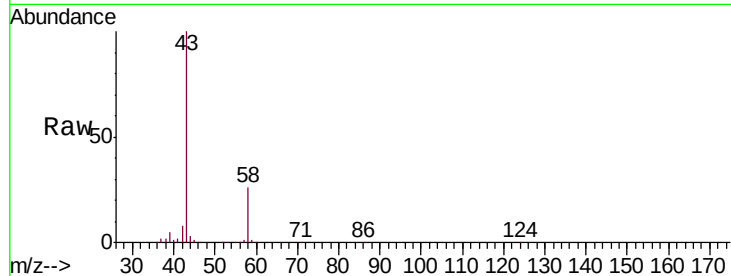
NS-2

Tgt Ion: 43 Resp: 532129

Ion Ratio Lower Upper

43 100

58 25.7 20.2 30.4



#16

1,3-Butadiene

Concen: 0.273 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.03 min

Lab File: VL034466.D

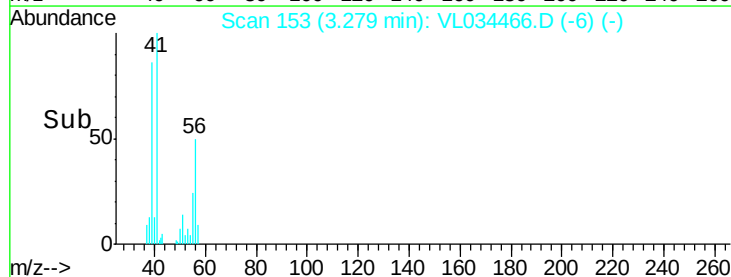
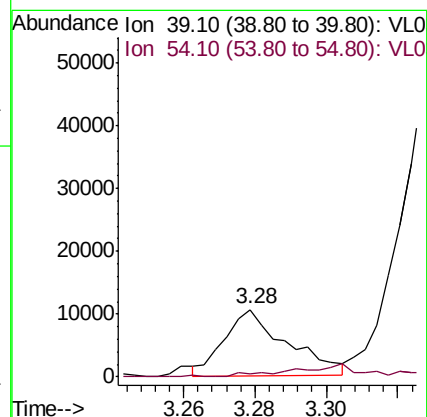
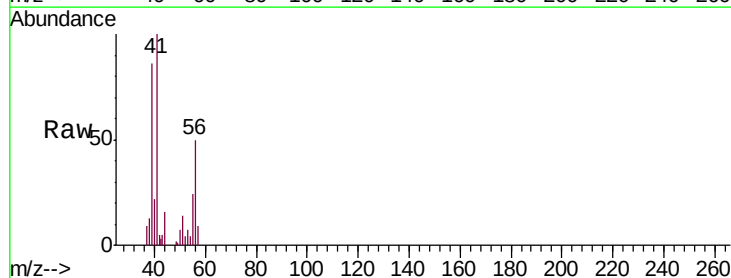
Acq: 9 Dec 2019 16:07

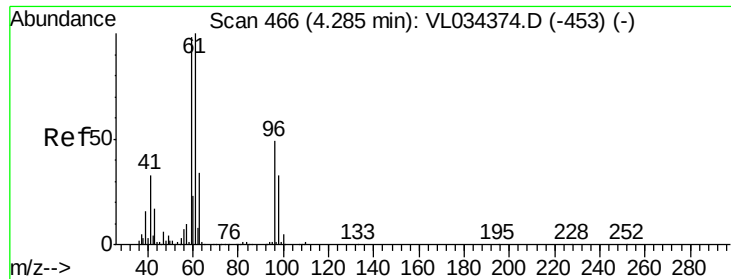
Tgt Ion: 39 Resp: 12804

Ion Ratio Lower Upper

39 100

54 0.0 64.7 97.1#





#17

tert-Butyl alcohol

Concen: 0.239 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

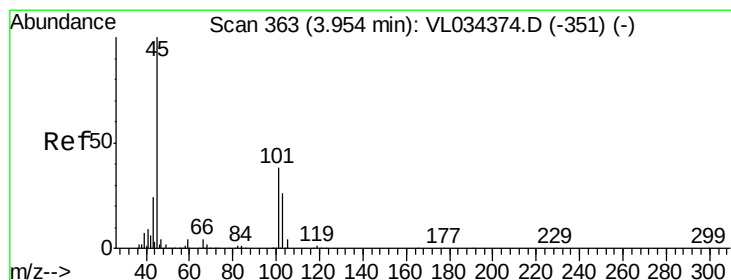
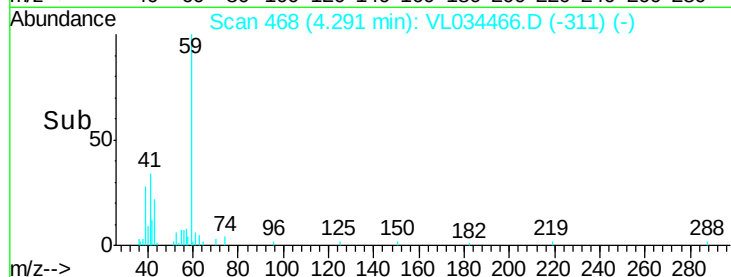
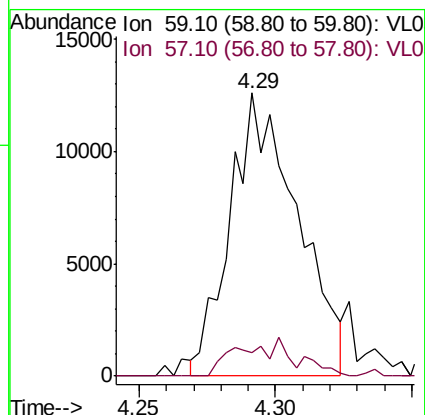
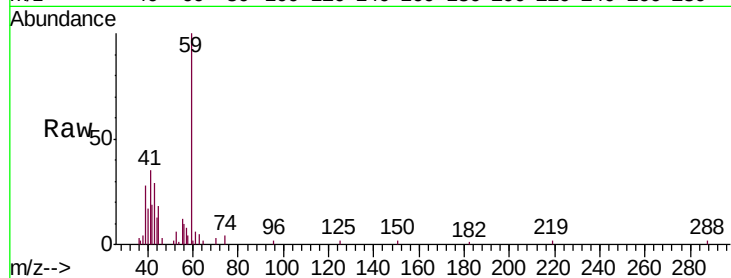
NS-2

Tgt Ion: 59 Resp: 21637

Ion Ratio Lower Upper

59 100

57 11.8 8.8 13.2



#19

Isopropyl Alcohol

Concen: 9.494 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034466.D

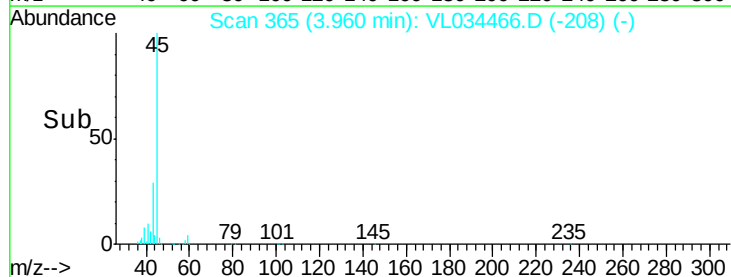
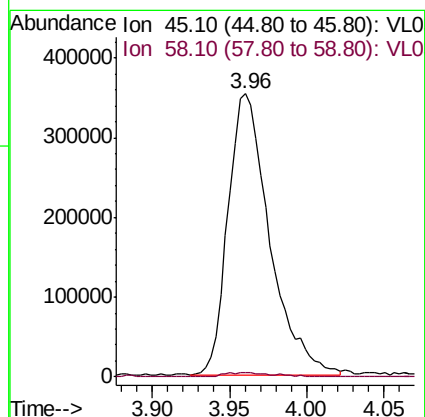
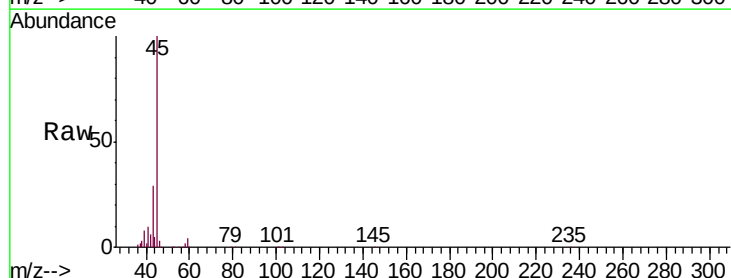
Acq: 9 Dec 2019 16:07

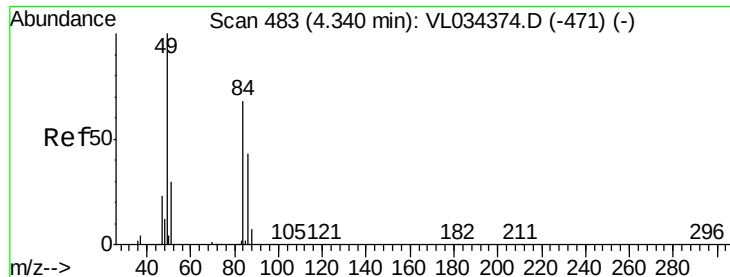
Tgt Ion: 45 Resp: 656105

Ion Ratio Lower Upper

45 100

58 2.0 1.3 1.9#

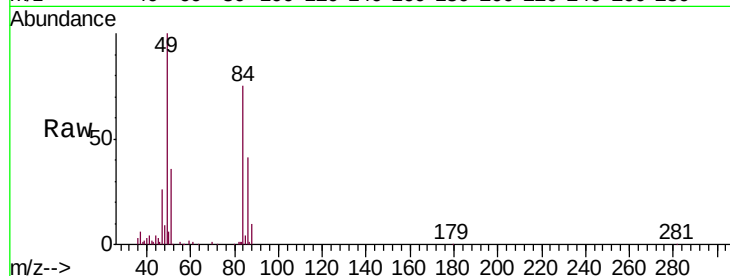




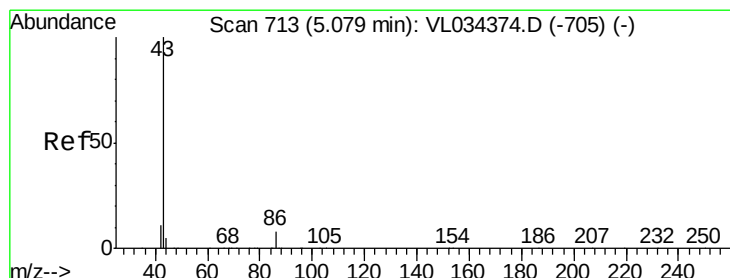
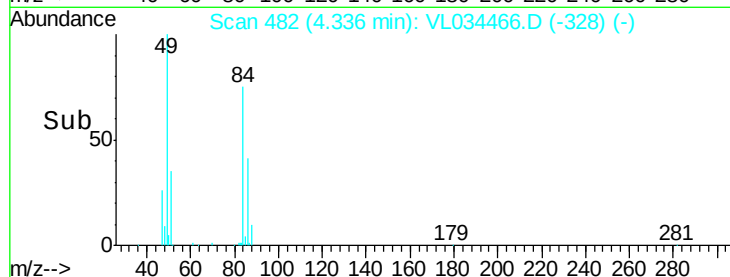
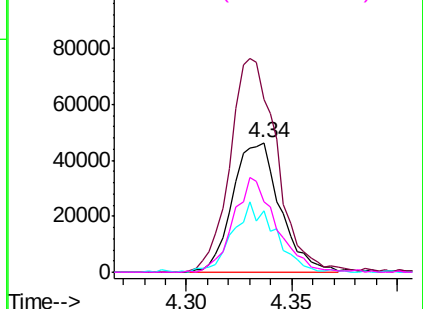
#20
Methylene Chloride
Concen: 1.891 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Instrument :
MSVOA_L
ClientSampled :
NS-2

Tgt Ion: 84 Resp: 72280
Ion Ratio Lower Upper
84 100
49 132.2 116.8 175.2
51 47.2 35.6 53.4
86 53.9 50.7 76.1

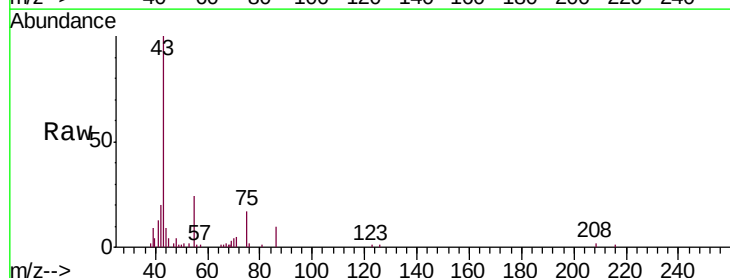


Abundance Ion 84.00 (83.70 to 84.70): VL0
120000
Ion 49.10 (48.80 to 49.80): VL0
100000
Ion 51.10 (50.80 to 51.80): VL0
80000
Ion 86.00 (85.70 to 86.70): VL0
60000
40000
20000
0

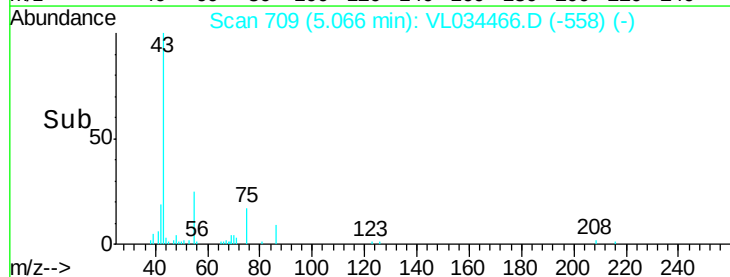
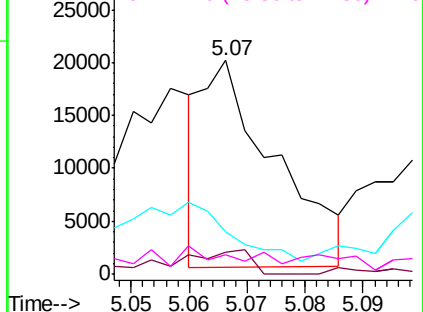


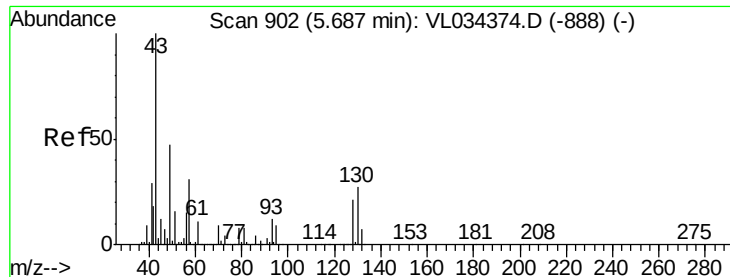
#23
Vinyl Acetate
Concen: 0.120 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Tgt Ion: 43 Resp: 16930
Ion Ratio Lower Upper
43 100
86 9.7 5.8 8.6#
42 9.5 8.9 13.3
44 3.0 4.0 6.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
30000
Ion 86.10 (85.80 to 86.80): VL0
25000
Ion 42.10 (41.80 to 42.80): VL0
20000
Ion 44.10 (43.80 to 44.80): VL0
15000
10000
5000
0





#25

Ethyl Acetate

Concen: 0.572 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

NS-2

Tgt Ion: 43 Resp: 110006

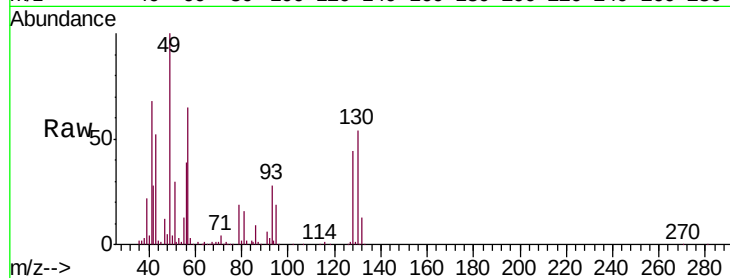
Ion Ratio Lower Upper

43 100

45 3.8 8.2 12.4#

61 1.8 7.5 11.3#

70 2.9 5.7 8.5#

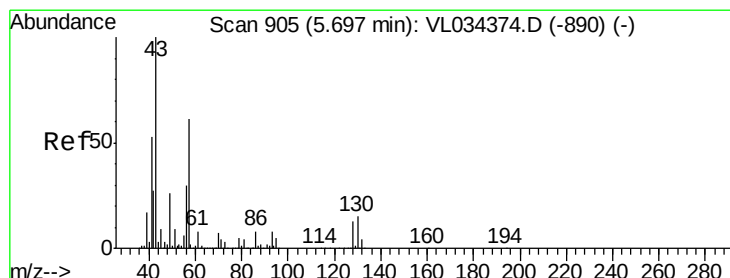
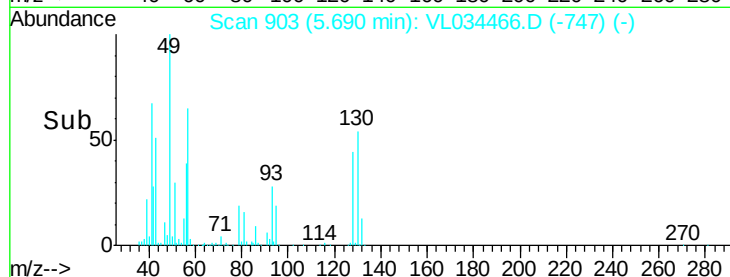
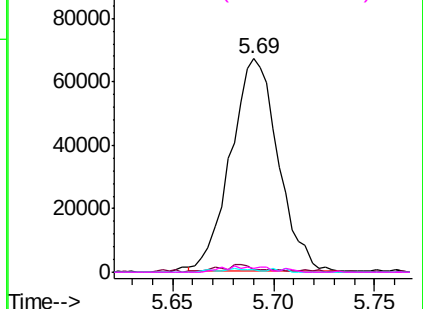


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.712 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Tgt Ion: 57 Resp: 141542

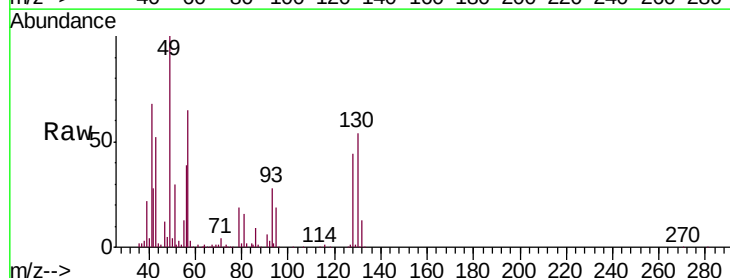
Ion Ratio Lower Upper

57 100

41 102.6 75.0 112.4

43 79.6 186.6 279.8#

56 55.1 41.5 62.3

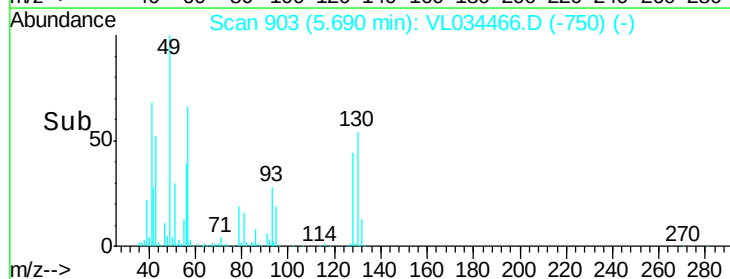
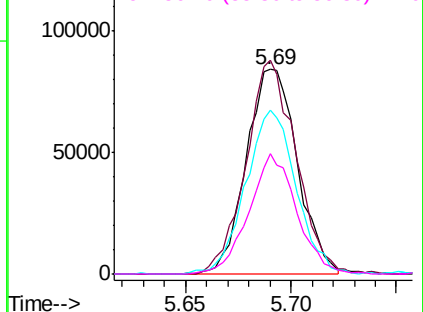


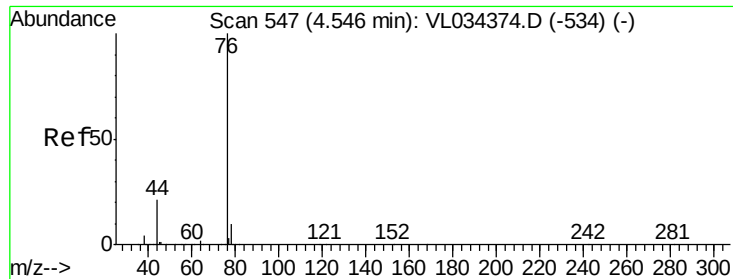
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.183 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

NS-2

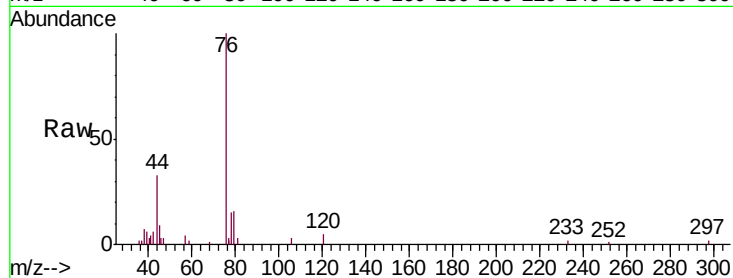
Tgt Ion: 76 Resp: 16462

Ion Ratio Lower Upper

76 100

44 35.9 17.0 25.4#

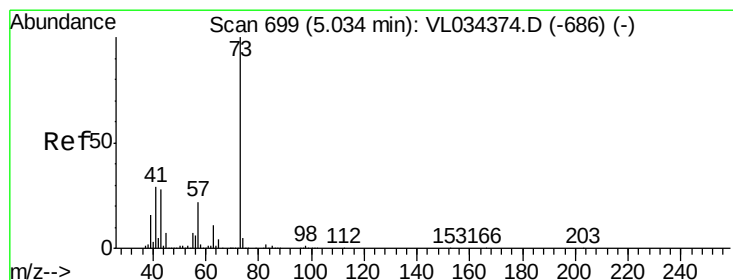
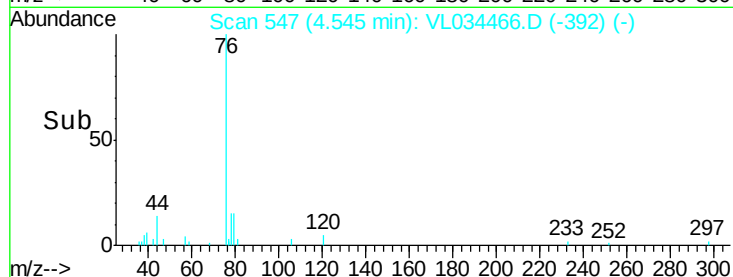
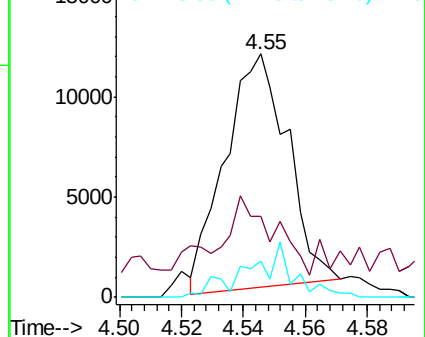
78 17.1 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.031 ppbv

RT: 4.95 min Scan# 674

Delta R.T. -0.08 min

Lab File: VL034466.D

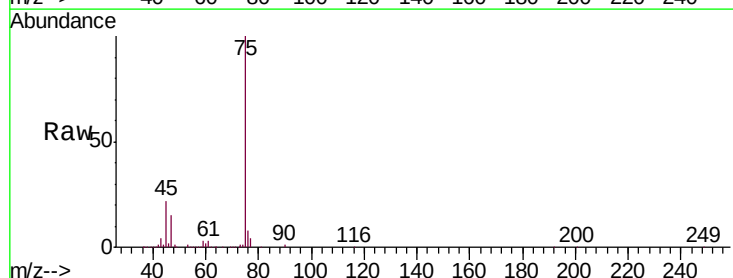
Acq: 9 Dec 2019 16:07

Tgt Ion: 73 Resp: 4232

Ion Ratio Lower Upper

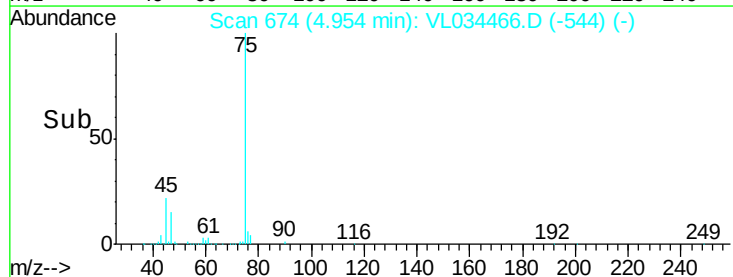
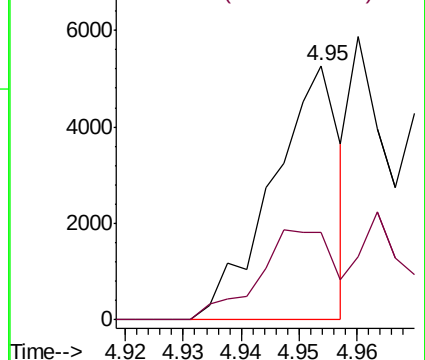
73 100

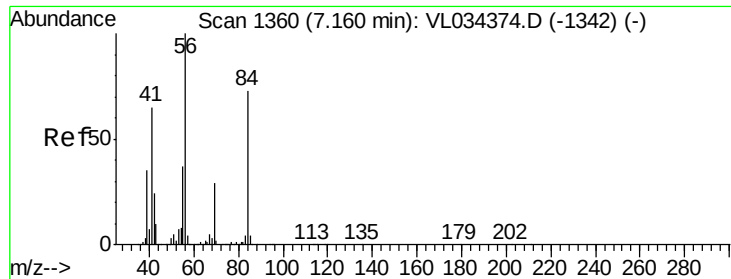
57 23.8 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

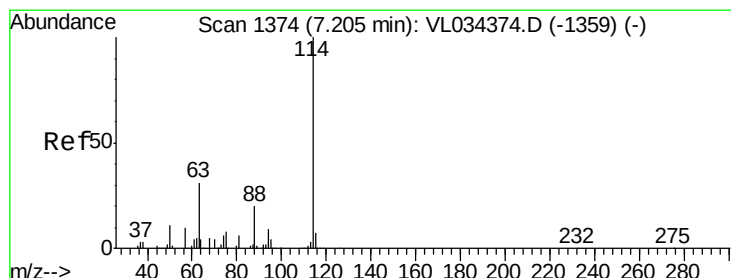
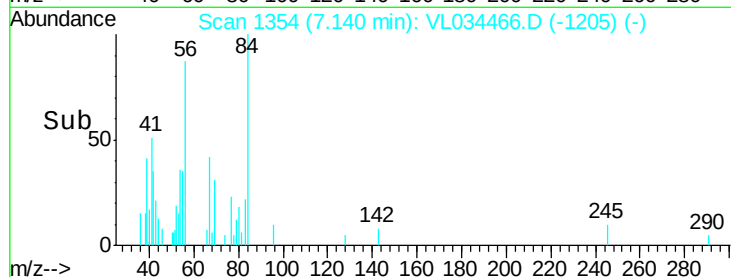
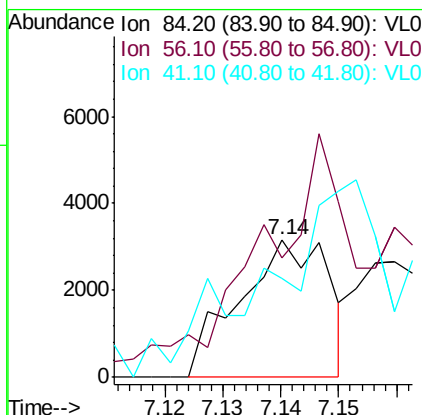
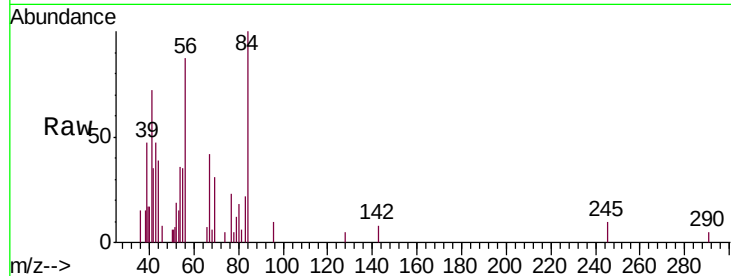




#30
Cyclohexane
Concen: 0.054 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.02 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

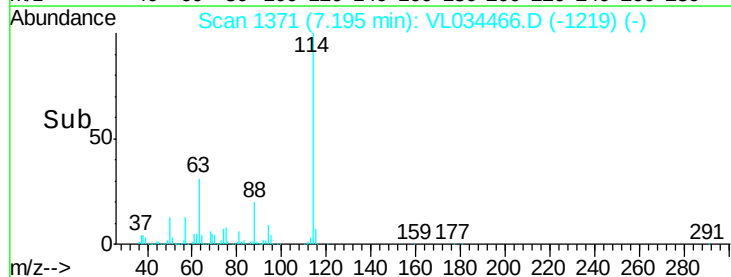
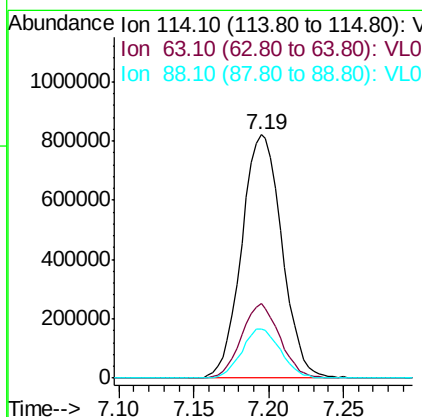
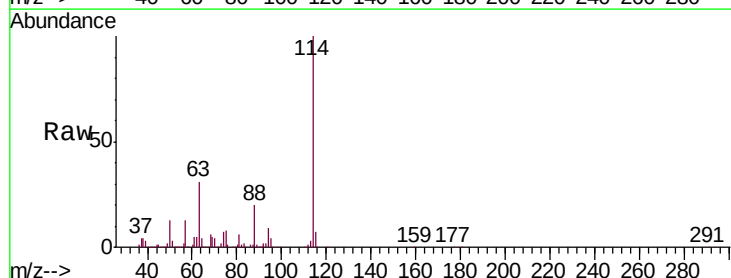
Instrument :
MSVOA_L
ClientSampleId :
NS-2

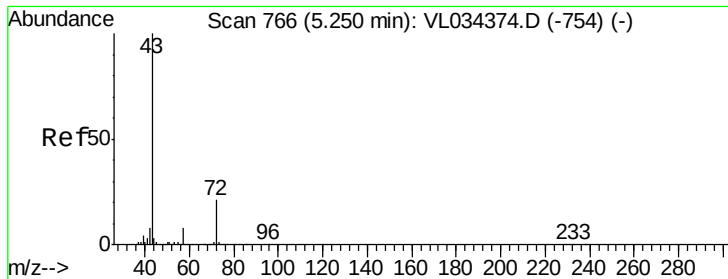
Tgt Ion: 84 Resp: 3383
Ion Ratio Lower Upper
84 100
56 0.0 112.6 169.0#
41 0.0 73.4 110.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Tgt Ion: 114 Resp: 1535946
Ion Ratio Lower Upper
114 100
63 29.2 24.2 36.4
88 19.6 15.9 23.9





#34

2-Butanone

Concen: 0.425 ppbv

RT: 5.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

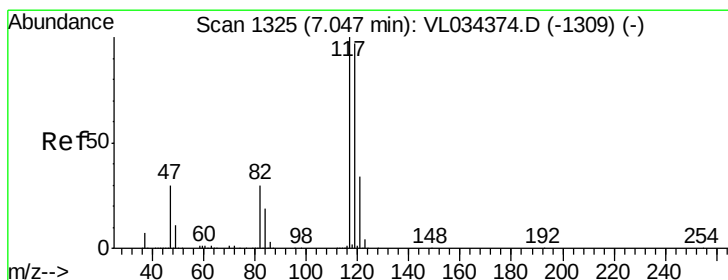
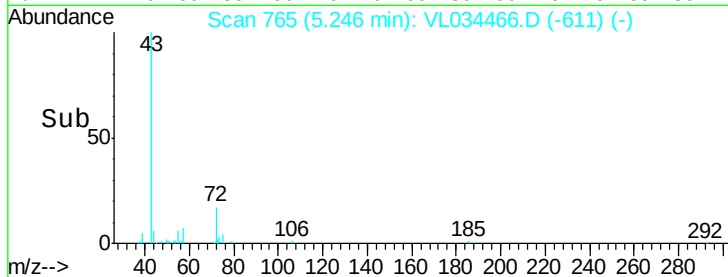
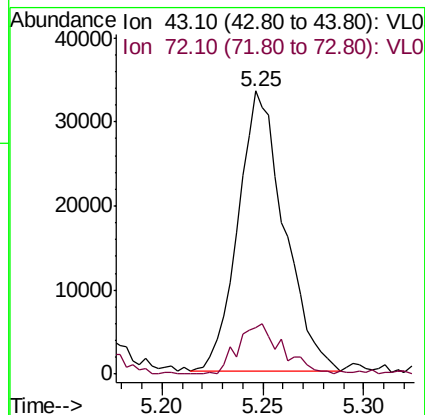
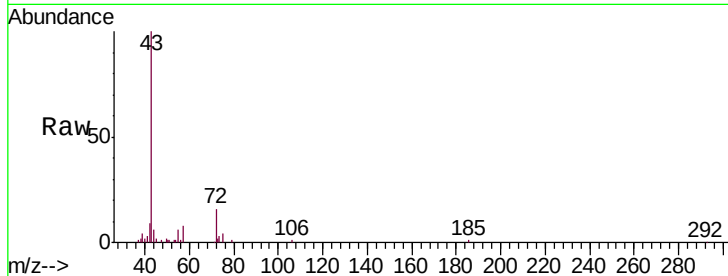
NS-2

Tgt Ion: 43 Resp: 53725

Ion Ratio Lower Upper

43 100

72 17.2 17.0 25.6



#35

Carbon Tetrachloride

Concen: 0.058 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.02 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

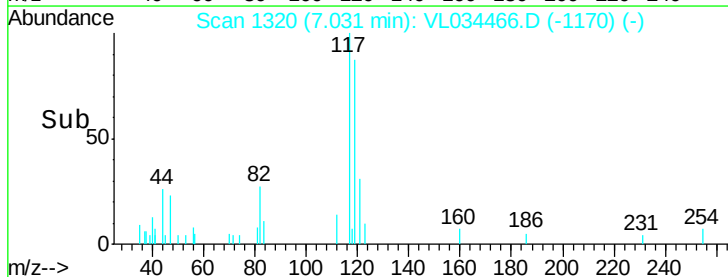
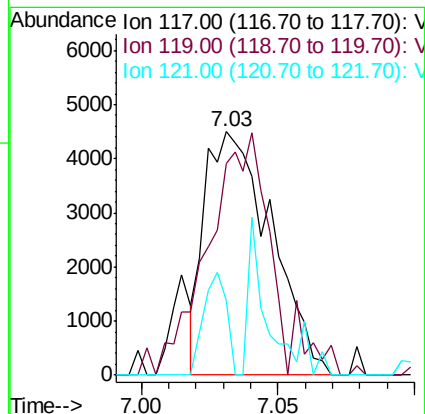
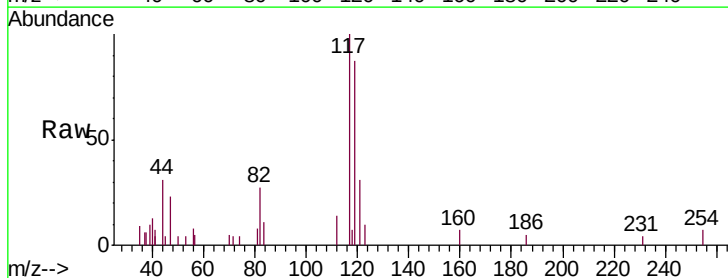
Tgt Ion: 117 Resp: 7610

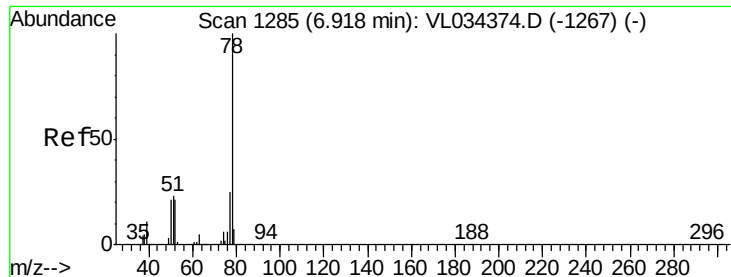
Ion Ratio Lower Upper

117 100

119 87.0 77.3 115.9

121 30.6 27.4 41.2





#36

Benzene

Concen: 0.220 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

NS-2

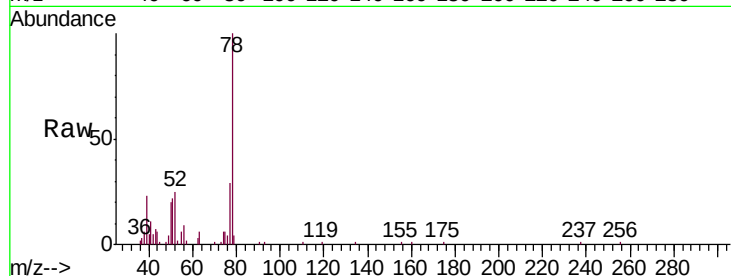
Tgt Ion: 78 Resp: 33834

Ion Ratio Lower Upper

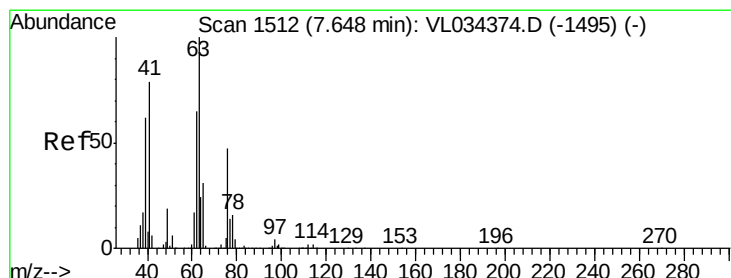
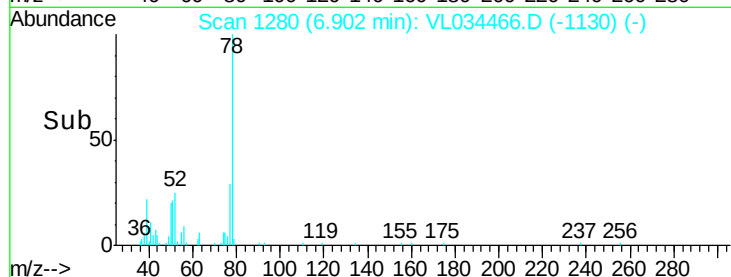
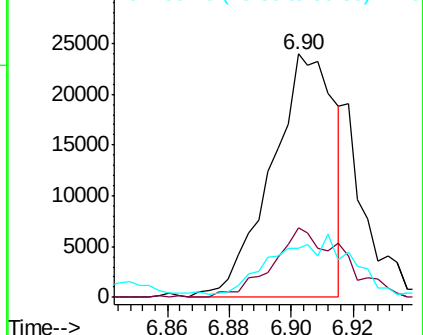
78 100

77 28.6 20.2 30.4

50 18.5 17.1 25.7



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: 7.574 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.45 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

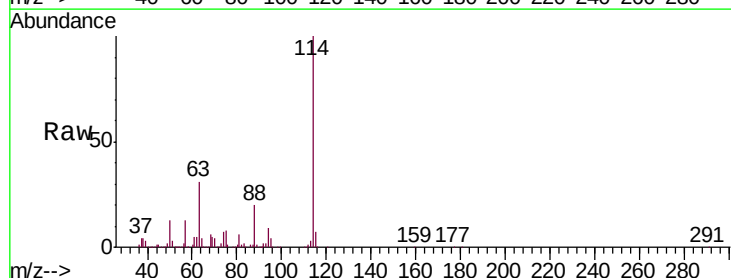
Tgt Ion: 63 Resp: 448044

Ion Ratio Lower Upper

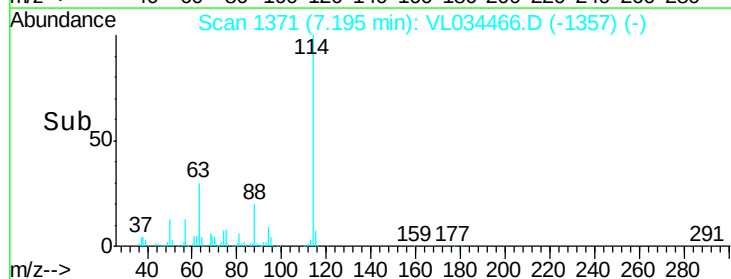
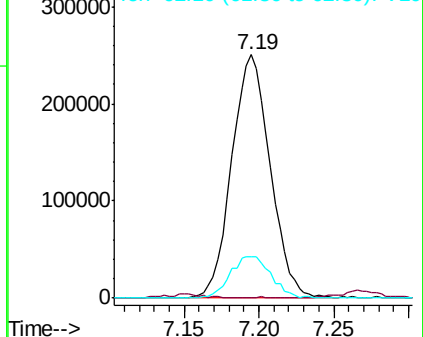
63 100

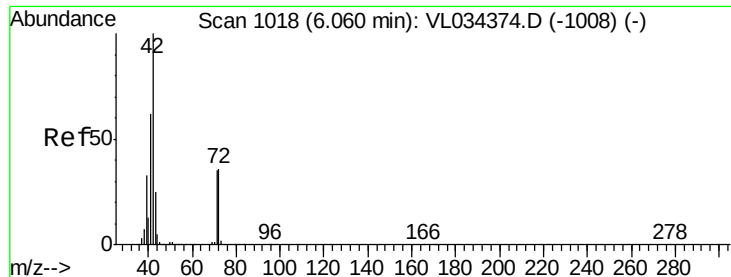
41 0.0 63.1 94.7#

62 17.1 52.3 78.5#



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





#41

Tetrahydrofuran

Concen: 0.048 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

NS-2

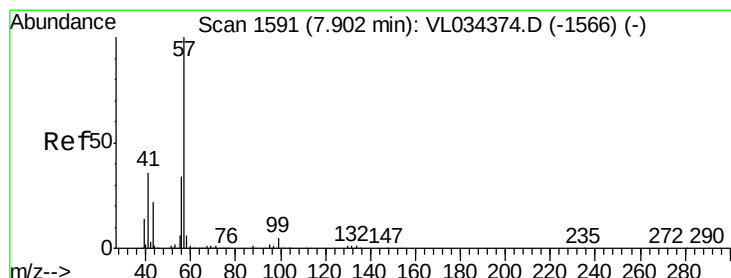
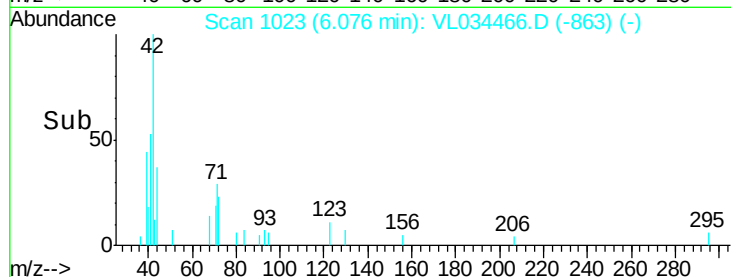
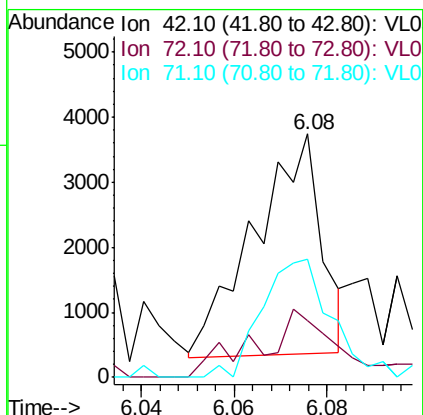
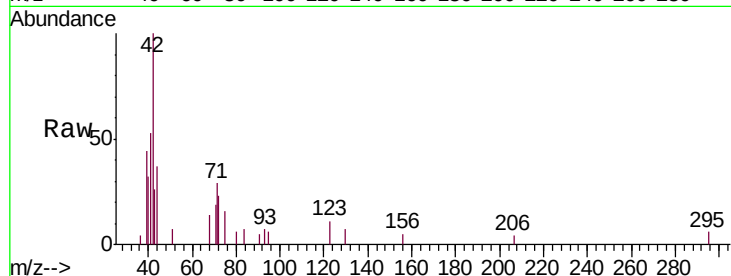
Tgt Ion: 42 Resp: 3421

Ion Ratio Lower Upper

42 100

72 43.7 30.2 45.4

71 58.1 29.4 44.2#



#44

2,2,4-Trimethylpentane

Concen: 0.206 ppbv

RT: 7.89 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

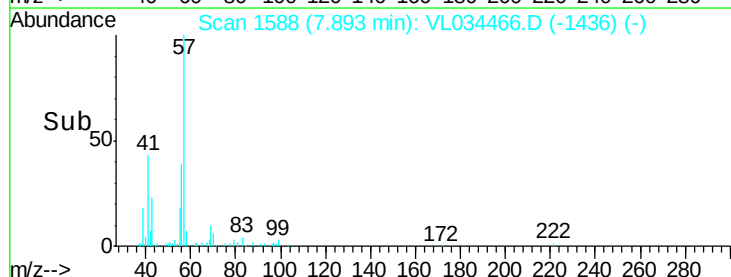
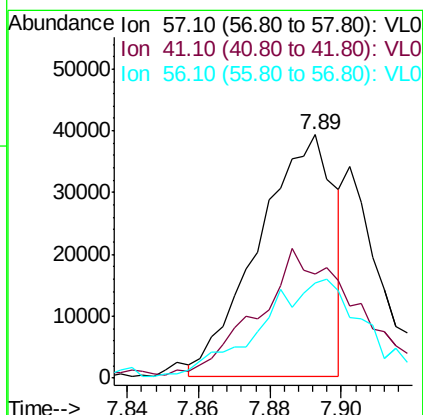
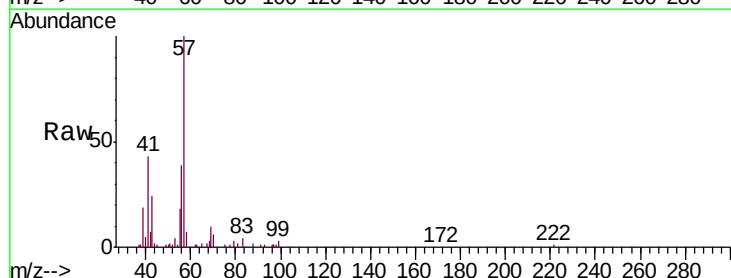
Tgt Ion: 57 Resp: 57811

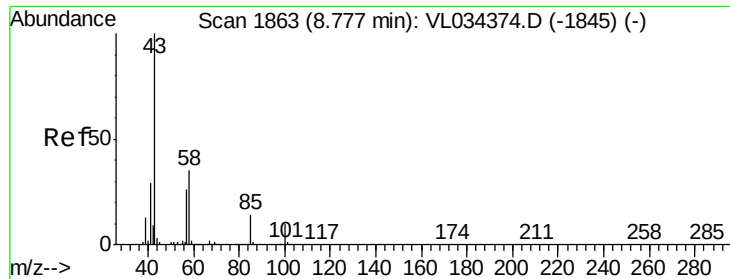
Ion Ratio Lower Upper

57 100

41 71.3 28.6 42.8#

56 57.5 25.3 37.9#

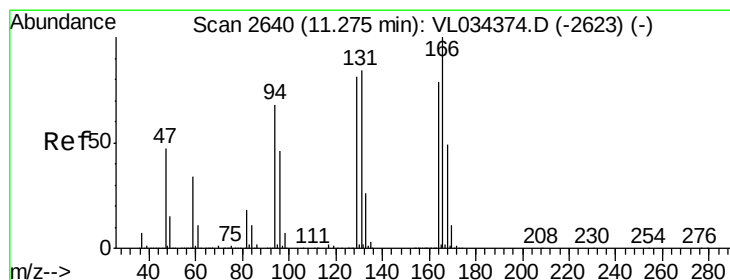
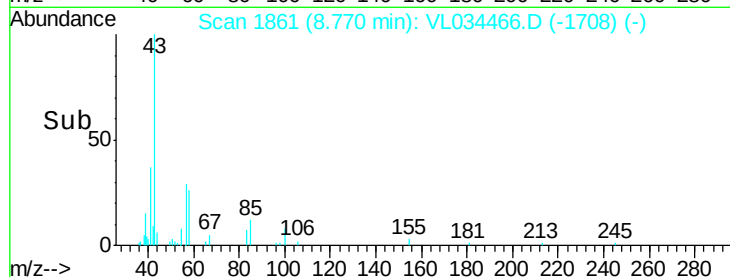
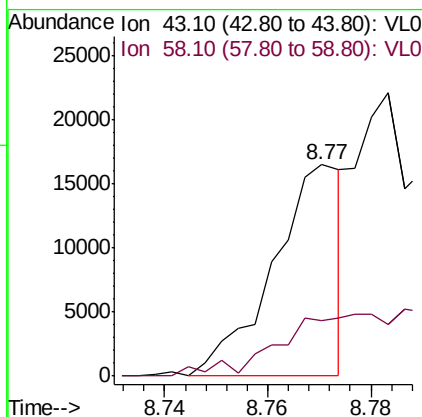
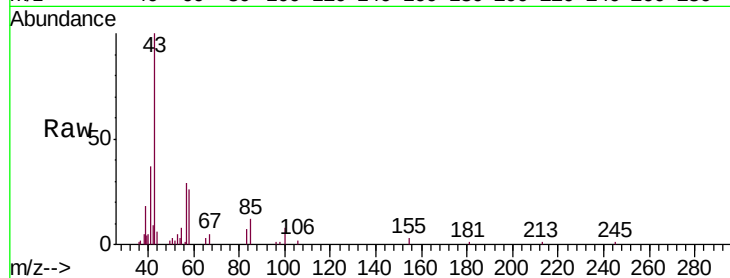




#50
4-Methyl-2-Pentanone
Concen: 0.084 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

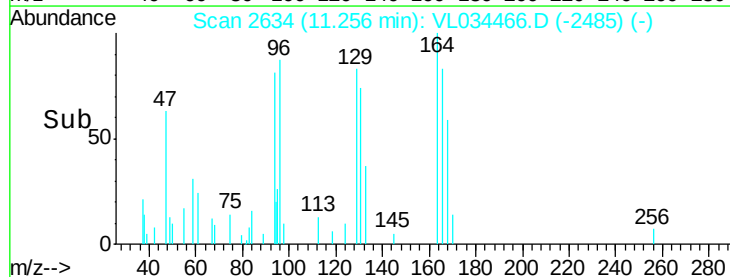
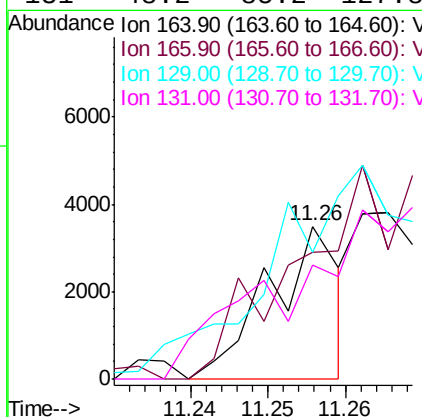
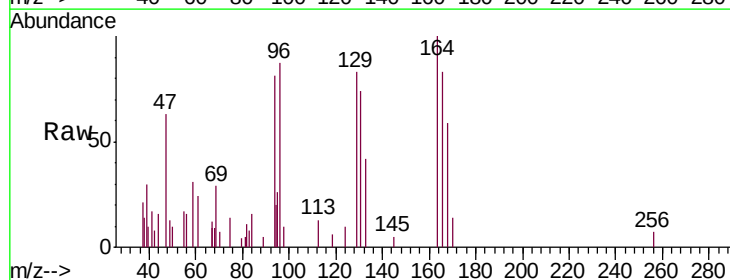
Instrument :
MSVOA_L
ClientSampleId :
NS-2

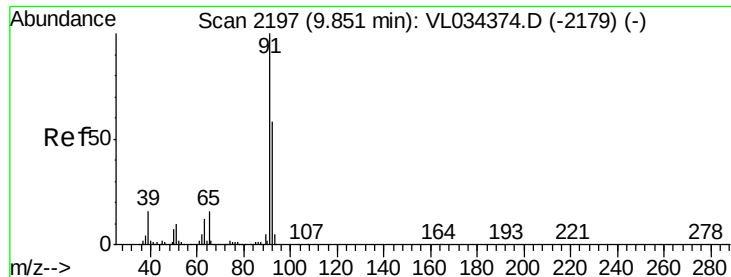
Tgt Ion: 43 Resp: 15283
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#52
Tetrachloroethene
Concen: 0.033 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Tgt Ion: 164 Resp: 2210
Ion Ratio Lower Upper
164 100
166 83.1 101.7 152.5#
129 53.5 82.6 123.8#
131 48.2 85.2 127.8#





#53

Toluene

Concen: 0.459 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

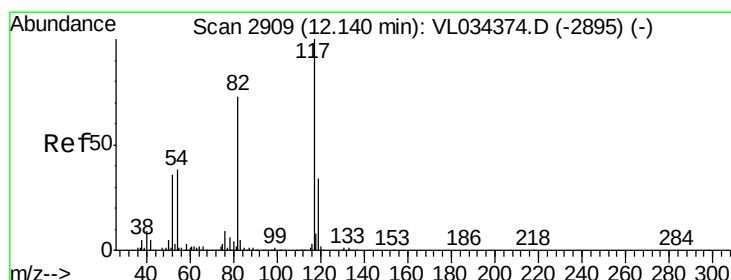
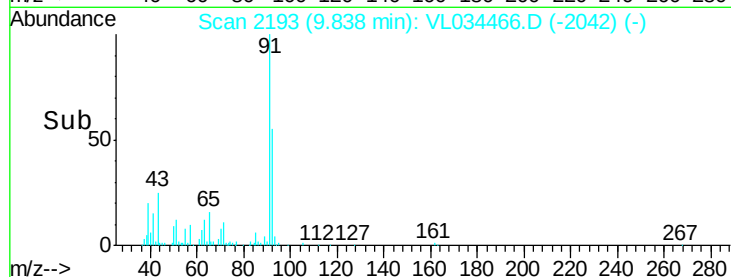
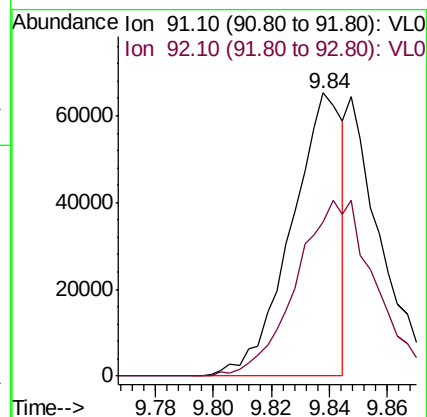
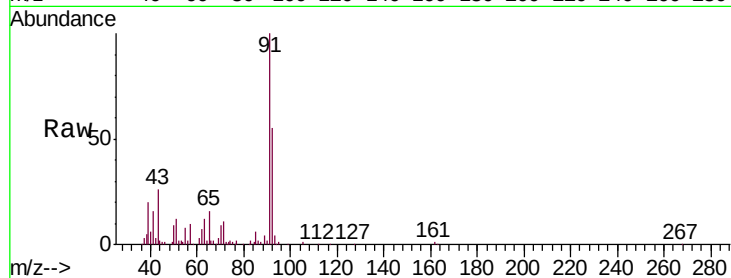
NS-2

Tgt Ion: 91 Resp: 80011

Ion Ratio Lower Upper

91 100

92 0.0 47.9 71.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

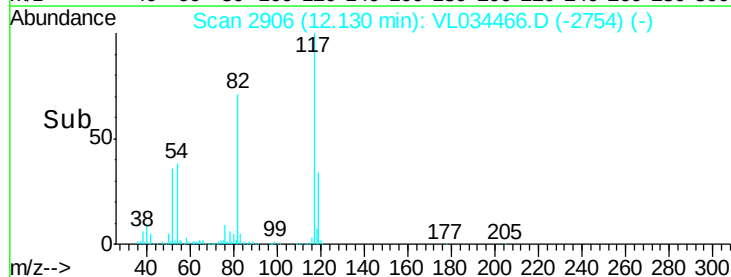
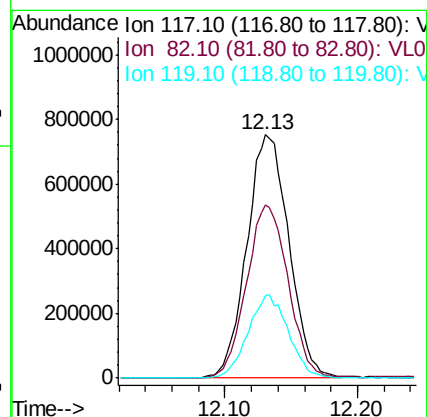
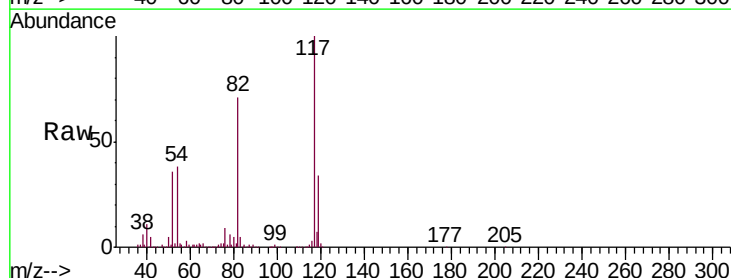
Tgt Ion: 117 Resp: 1656713

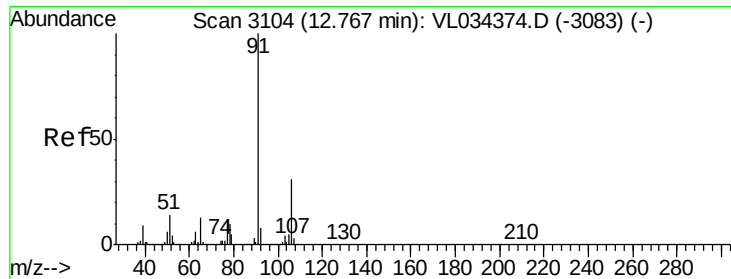
Ion Ratio Lower Upper

117 100

82 70.6 57.5 86.3

119 33.0 25.4 38.2

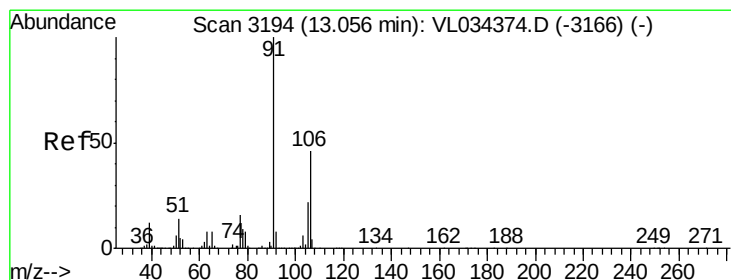
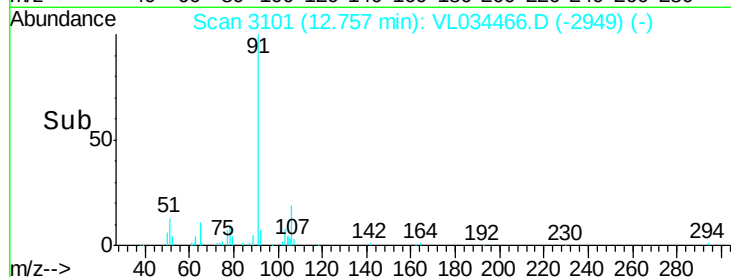
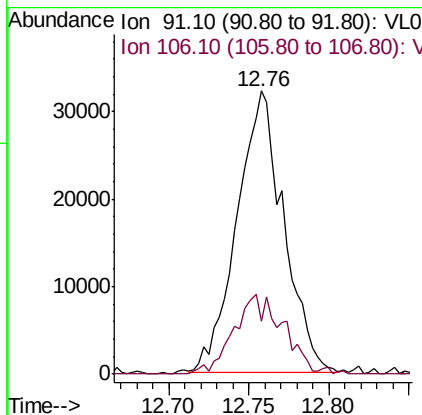
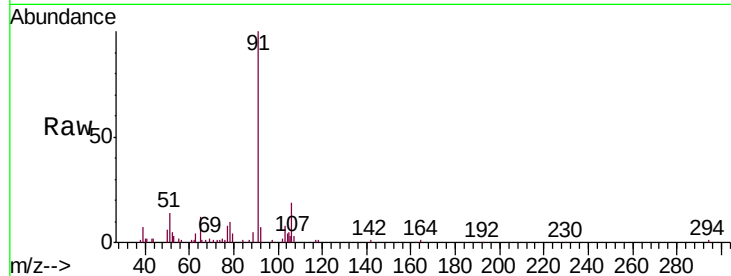




#58
Ethyl Benzene
Concen: 0.251 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

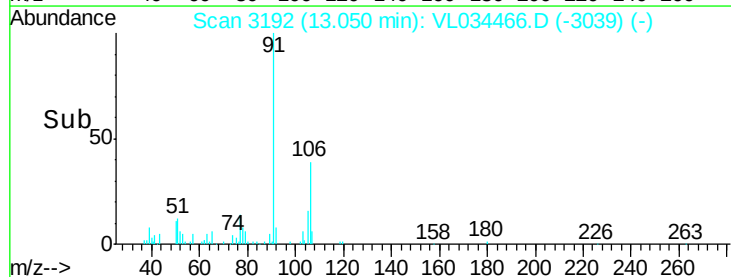
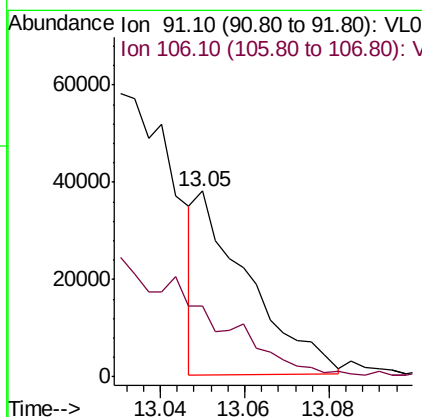
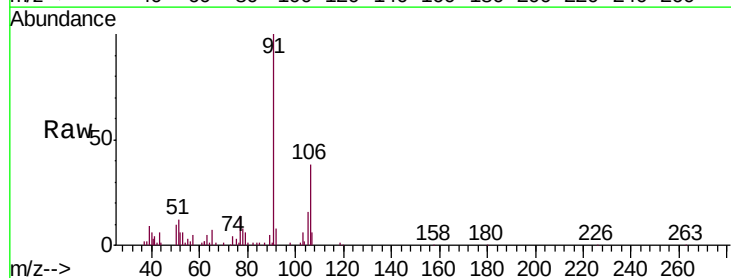
Instrument :
MSVOA_L
ClientSampleId :
NS-2

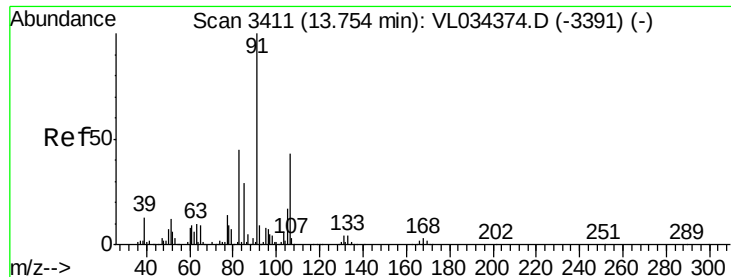
Tgt Ion: 91 Resp: 64414
Ion Ratio Lower Upper
91 100
106 18.7 24.8 37.2#



#59
m/p-Xylene
Concen: 0.145 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Tgt Ion: 91 Resp: 32261
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

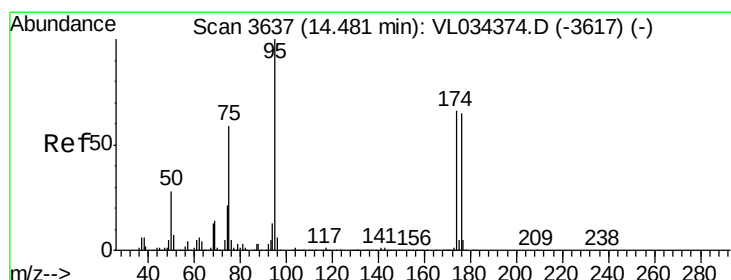
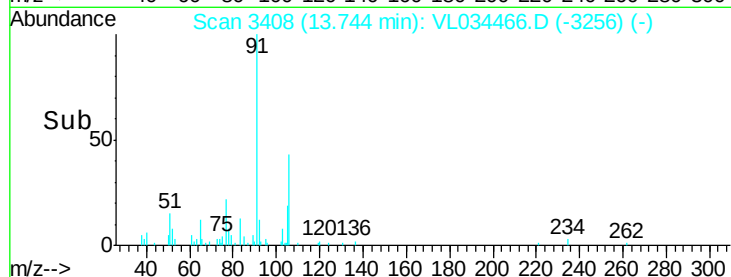
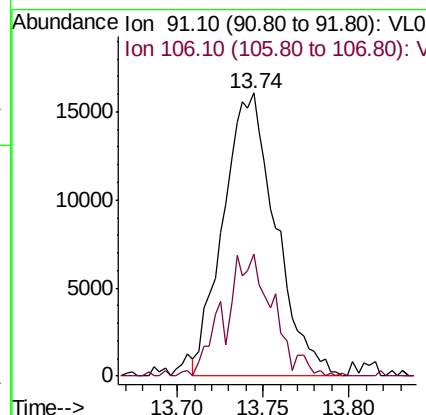
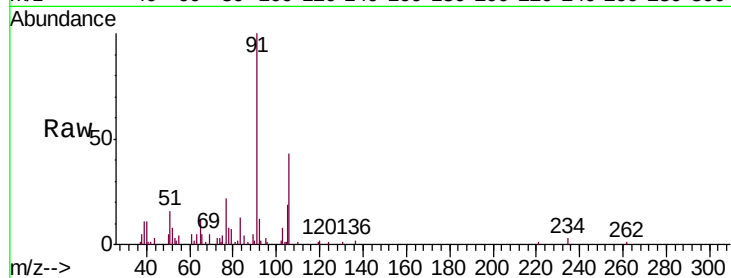




#60
o-Xylene
Concen: 0.156 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

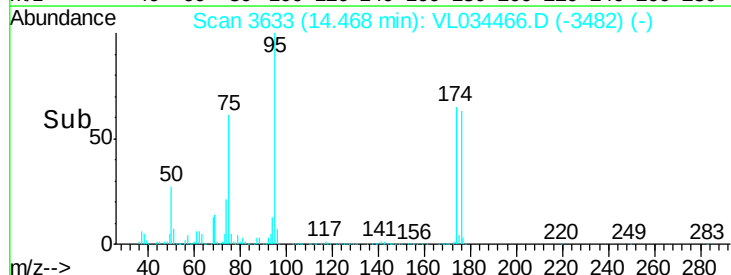
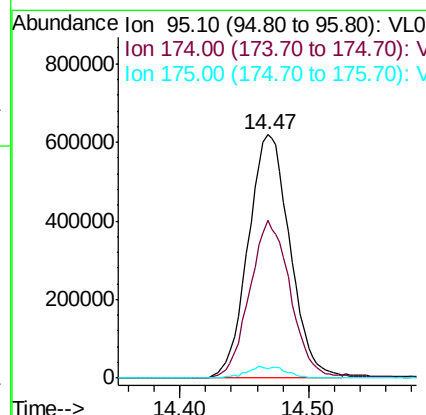
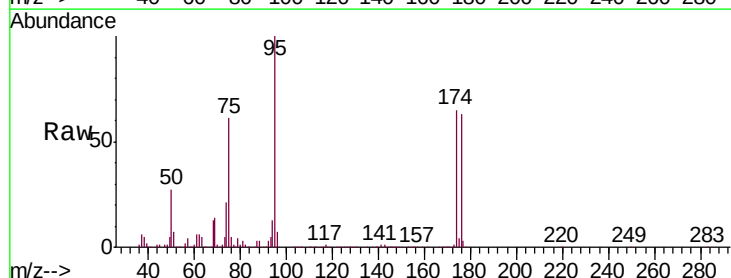
Instrument :
MSVOA_L
ClientSampleId :
NS-2

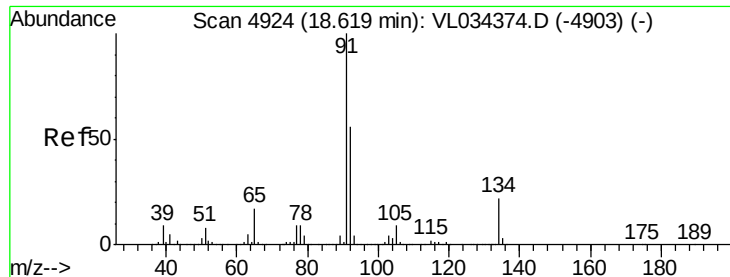
Tgt Ion: 91 Resp: 34242
Ion Ratio Lower Upper
91 100
106 40.3 21.3 64.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.026 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Tgt Ion: 95 Resp: 1397377
Ion Ratio Lower Upper
95 100
174 64.2 52.2 78.2
175 4.6 3.8 5.8





#70

n-Butylbenzene

Concen: 0.045 ppbv

RT: 18.61 min Scan# 4920

Delta R.T. -0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

NS-2

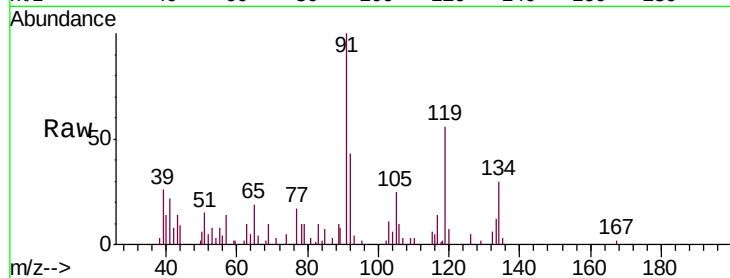
Tgt Ion: 91 Resp: 14830

Ion Ratio Lower Upper

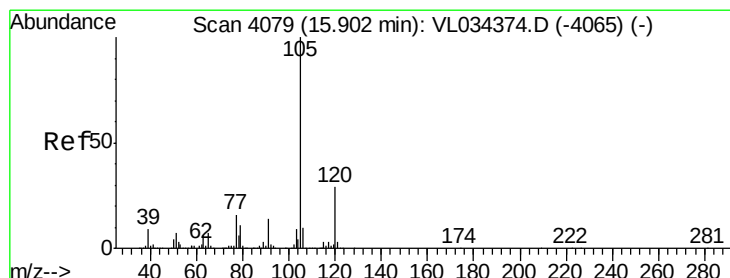
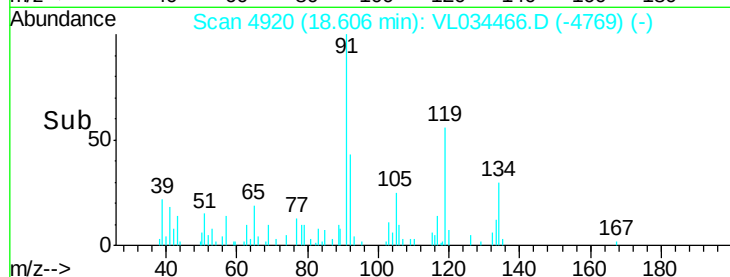
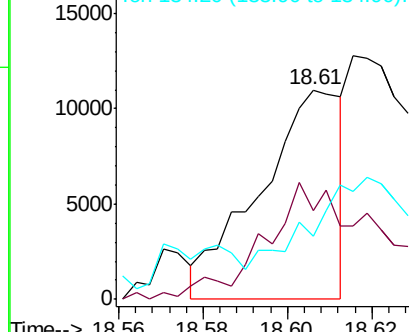
91 100

92 85.3 43.8 65.6#

134 0.0 17.9 26.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V



#72

4-Ethyltoluene

Concen: 0.153 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. -0.01 min

Lab File: VL034466.D

Acq: 9 Dec 2019 16:07

Tgt Ion: 105 Resp: 38857

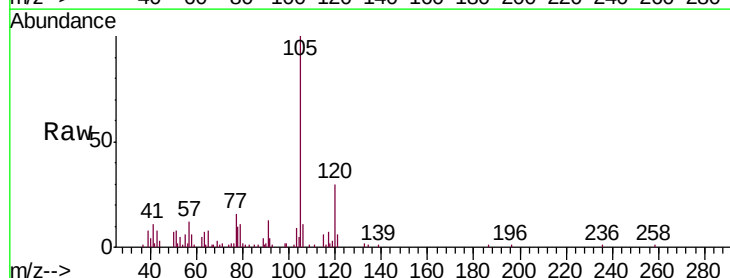
Ion Ratio Lower Upper

105 100

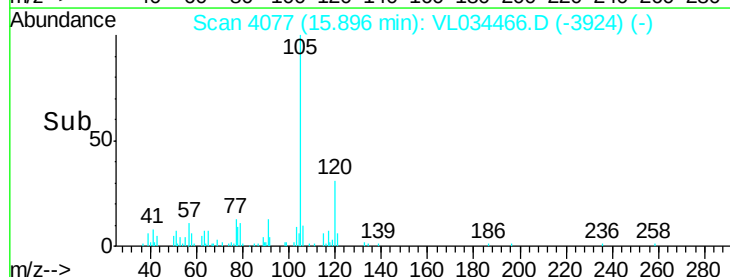
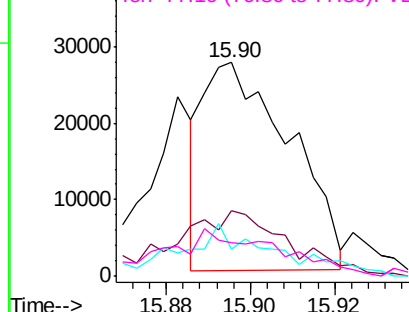
120 39.4 23.5 35.3#

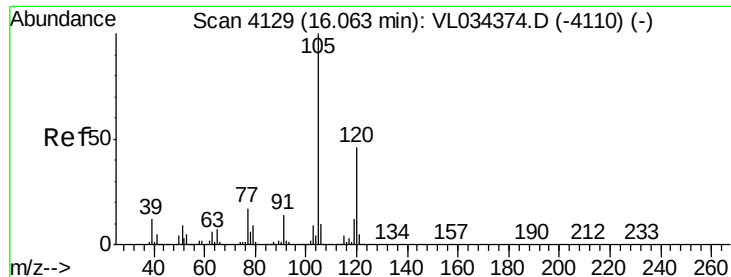
91 26.9 11.4 17.0#

77 32.3 12.6 19.0#



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

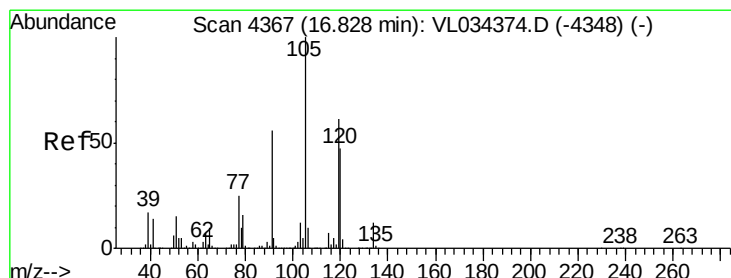
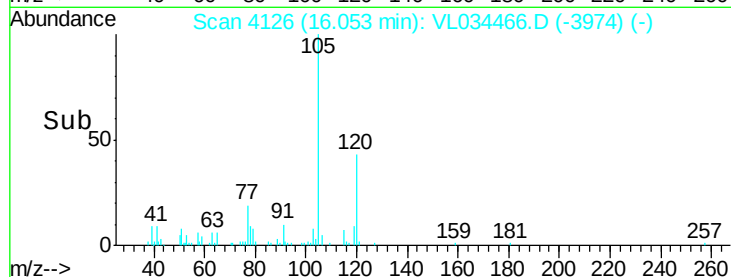
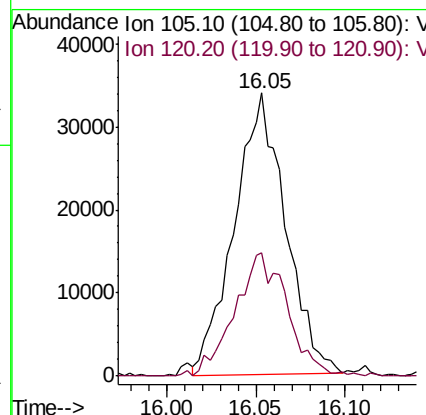
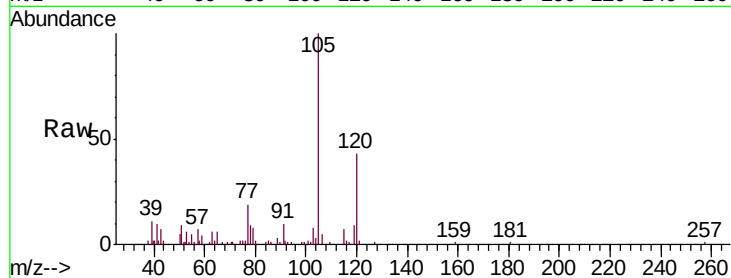




#73
 1,3,5-Trimethylbenzene
 Concen: 0.273 ppbv
 RT: 16.05 min Scan# 4126
 Delta R.T. -0.01 min
 Lab File: VL034466.D
 Acq: 9 Dec 2019 16:07

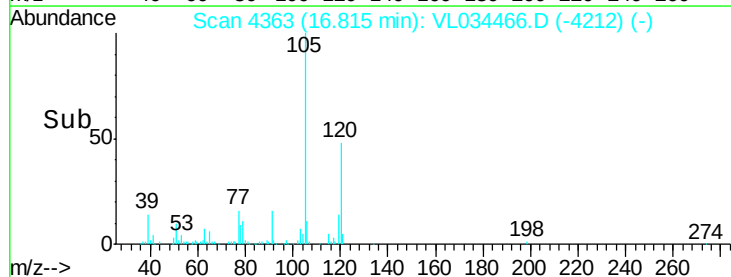
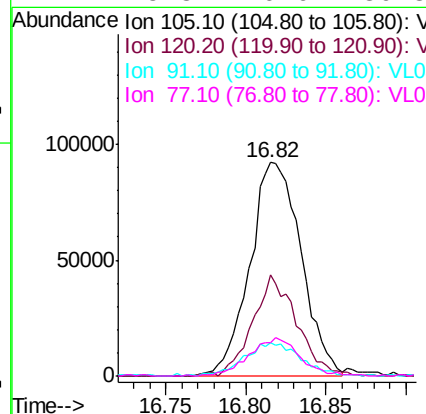
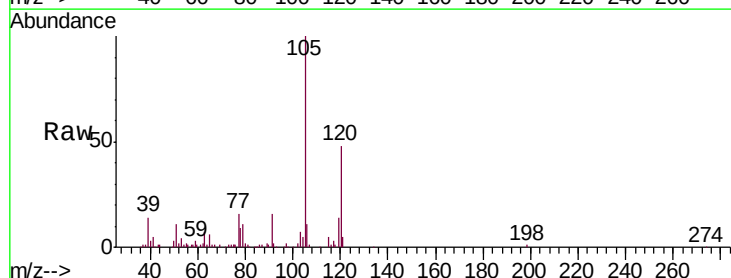
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2

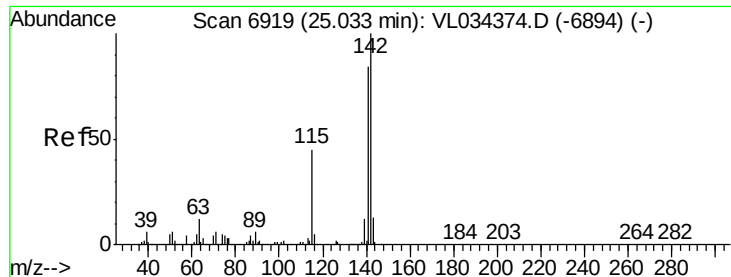
Tgt Ion:105 Resp: 67826
 Ion Ratio Lower Upper
 105 100
 120 43.8 37.1 55.7



#74
 1,2,4-Trimethylbenzene
 Concen: 0.773 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. -0.01 min
 Lab File: VL034466.D
 Acq: 9 Dec 2019 16:07

Tgt Ion:105 Resp: 203965
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.4 56.0
 91 15.0 46.3 69.5#
 77 15.8 20.6 30.8#

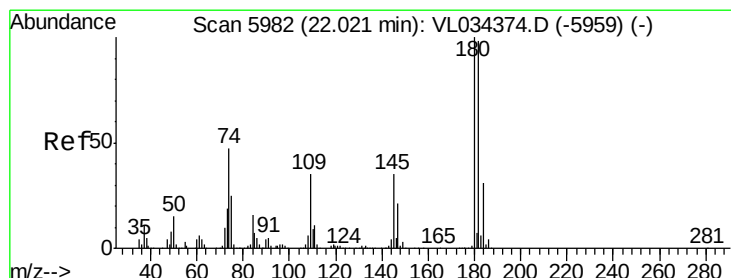
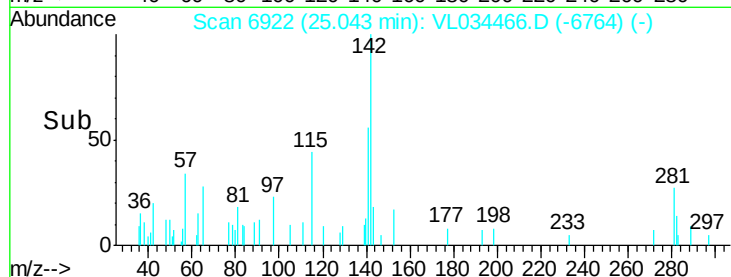
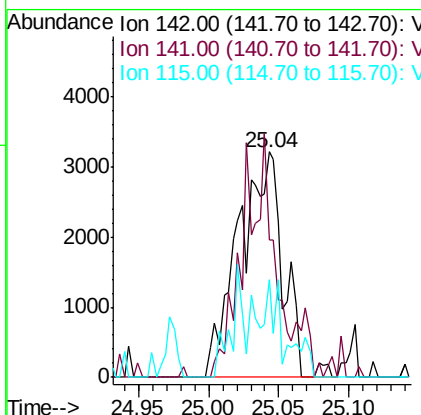
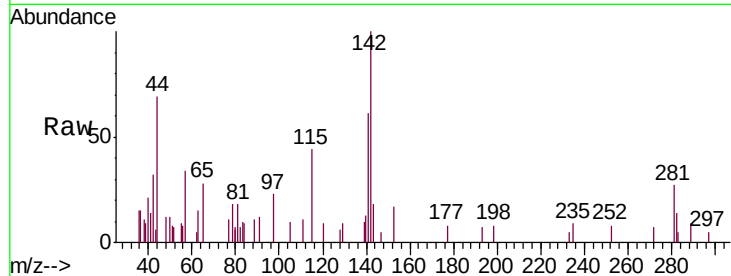




#80
Naphthalene, 2-methyl-
Concen: 0.069 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Instrument :
MSVOA_L
ClientSampleId :
NS-2

Tgt Ion:142 Resp: 7088
Ion Ratio Lower Upper
142 100
141 82.5 67.1 100.7
115 40.0 36.6 54.8



#81
1,2,4-Trichlorobenzene
Concen: 0.031 ppbv
RT: 22.01 min Scan# 5980
Delta R.T. -0.01 min
Lab File: VL034466.D
Acq: 9 Dec 2019 16:07

Tgt Ion:180 Resp: 4307
Ion Ratio Lower Upper
180 100
182 202.8 76.8 115.2#
184 67.8 24.9 37.3#

