

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034470.D
 Acq On : 9 Dec 2019 18:47
 Operator : SY/AP
 Sample : K6195-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 5S-TE

Quant Time: Dec 10 03:40:38 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	856589	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1693585	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1846135	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1548800	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

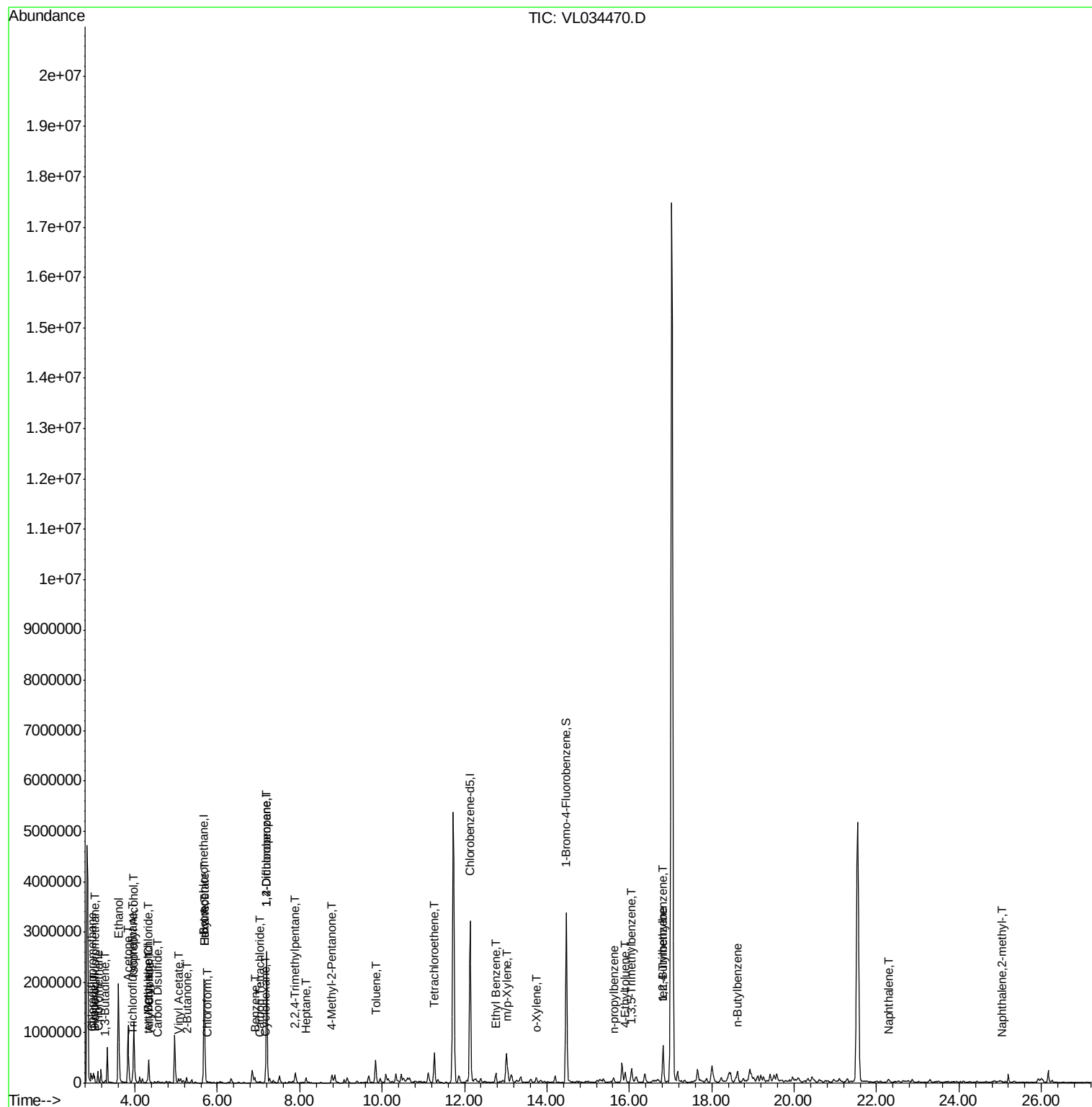
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	76043	0.491	ppbv	90
3) Chlorodifluoromethane	2.96	51	193857	1.814	ppbv #	80
4) Chloromethane	3.11	50	28174	0.447	ppbv	93
9) Propene	2.99	41	36827	0.776	ppbv #	75
10) Heptane	8.14	43	9110	0.074	ppbv #	27
11) Trichlorofluoromethane	3.93	101	44662	0.290	ppbv #	78
13) Ethanol	3.60	45	2154069	162.971	ppbv	95
15) Acetone	3.83	43	1113294	9.076	ppbv	98
16) 1,3-Butadiene	3.28	39	12053	0.226	ppbv #	40
17) tert-Butyl alcohol	4.30	59	46287	0.449	ppbv #	93
19) Isopropyl Alcohol	3.97	45	1338732	17.027	ppbv	100
20) Methylene Chloride	4.34	84	141836	3.261	ppbv	97
21) Allyl Chloride	4.36	41	2756	0.037	ppbv #	1
23) Vinyl Acetate	5.07	43	15354	0.096	ppbv #	71
25) Ethyl Acetate	5.69	43	178836	0.817	ppbv #	82
26) Hexane	5.69	57	222272	2.363	ppbv #	42
27) Carbon Disulfide	4.55	76	27306	0.267	ppbv #	81
29) Chloroform	5.76	83	6196	0.041	ppbv	87
30) Cyclohexane	7.15	84	3168	0.045	ppbv #	1
34) 2-Butanone	5.25	43	108241	0.776	ppbv	97
35) Carbon Tetrachloride	7.05	117	4743	0.033	ppbv #	80
36) Benzene	6.91	78	65918	0.389	ppbv	93
39) 1,2-Dichloropropane	7.19	63	502117	7.698	ppbv #	23
44) 2,2,4-Trimethylpentane	7.89	57	143699	0.464	ppbv #	85
50) 4-Methyl-2-Pentanone	8.78	43	122744	0.609	ppbv	96
52) Tetrachloroethene	11.27	164	134802	1.840	ppbv	94
53) Toluene	9.84	91	236357	1.229	ppbv	96
58) Ethyl Benzene	12.75	91	67617	0.236	ppbv	96
59) m/p-Xylene	13.05	91	90727	0.366	ppbv #	33
60) o-Xylene	13.74	91	39786	0.162	ppbv #	33
64) n-propylbenzene	15.62	120	8788	0.104	ppbv #	1
65) tert-Butylbenzene	16.82	119	31801	0.109	ppbv #	1
70) n-Butylbenzene	18.61	91	24996	0.069	ppbv #	47
72) 4-Ethyltoluene	15.90	105	125843	0.445	ppbv	97
73) 1,3,5-Trimethylbenzene	16.05	105	175858	0.635	ppbv	87
74) 1,2,4-Trimethylbenzene	16.82	105	514296	1.748	ppbv #	65
79) Naphthalene	22.28	128	9122	0.036	ppbv	98
80) Naphthalene,2-methyl-	25.03	142	7223	0.063	ppbv #	82

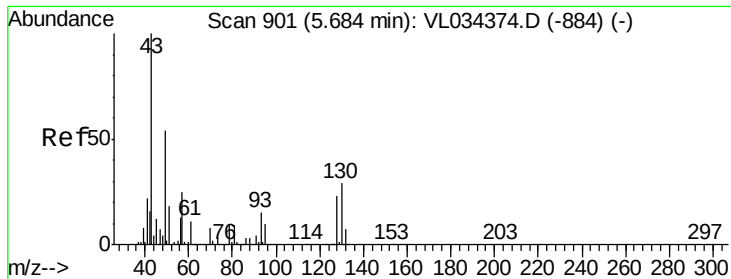
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

5S-TE

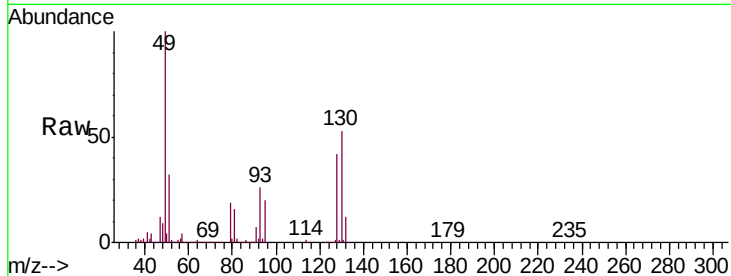
Tgt Ion: 49 Resp: 856589

Ion Ratio Lower Upper

49 100

128 42.6 21.8 65.3

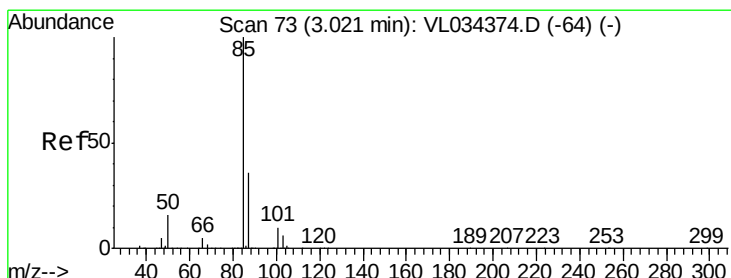
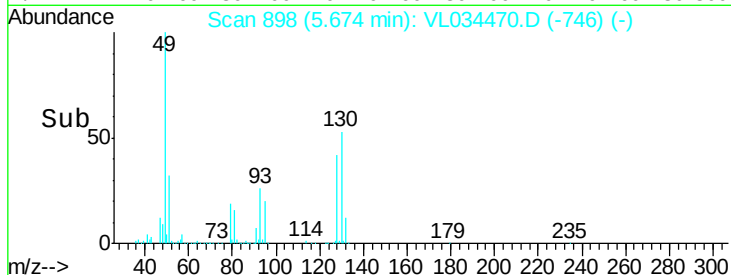
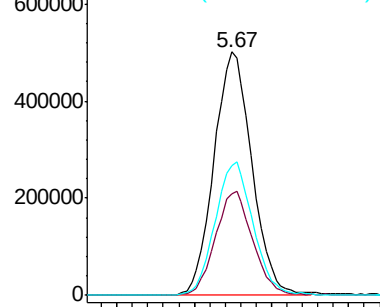
130 55.2 28.0 84.0



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: 0.491 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL034470.D

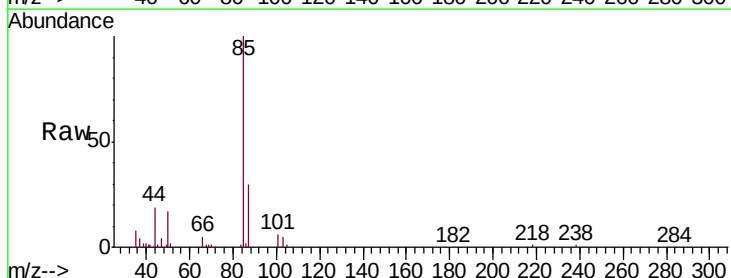
Acq: 9 Dec 2019 18:47

Tgt Ion: 85 Resp: 76043

Ion Ratio Lower Upper

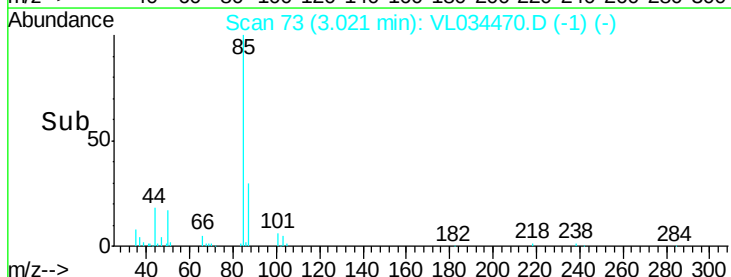
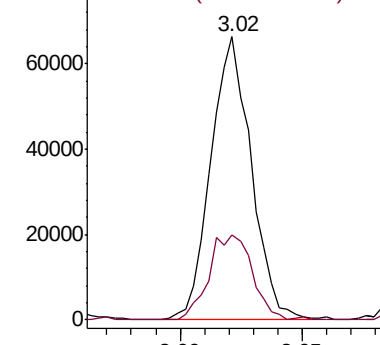
85 100

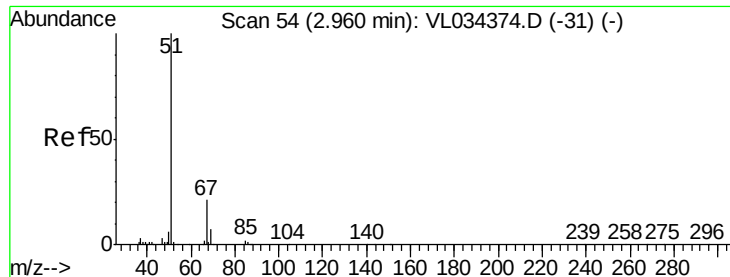
87 29.9 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

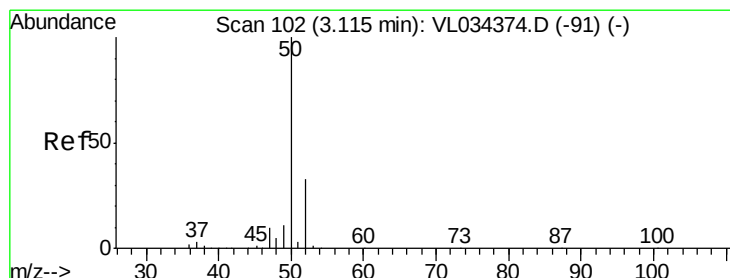
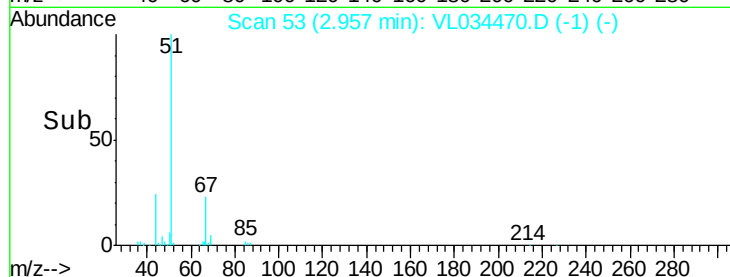
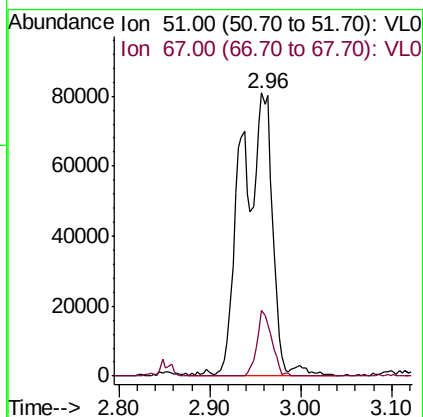
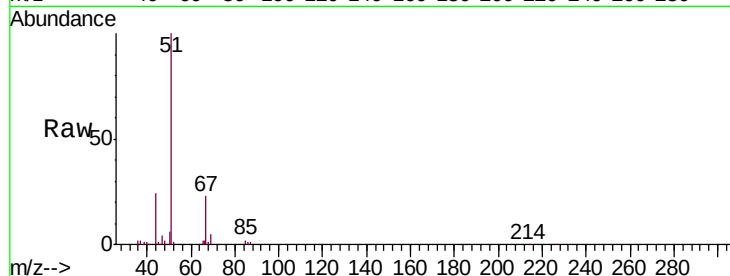




#3
Chlorodifluoromethane
Concen: 1.814 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

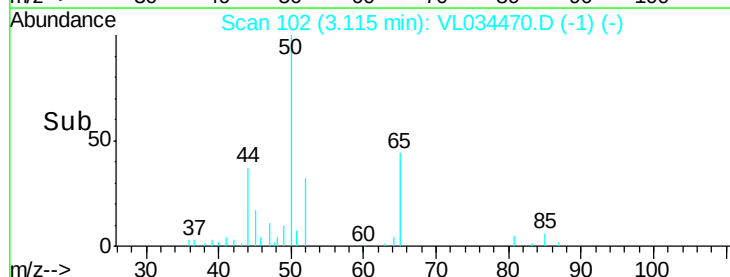
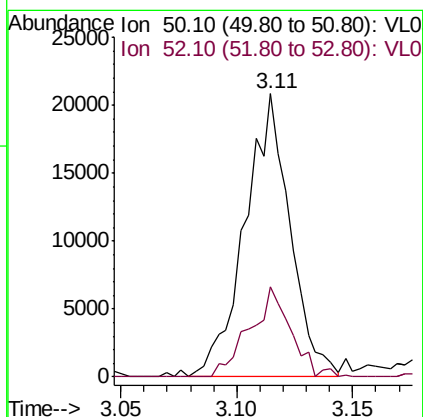
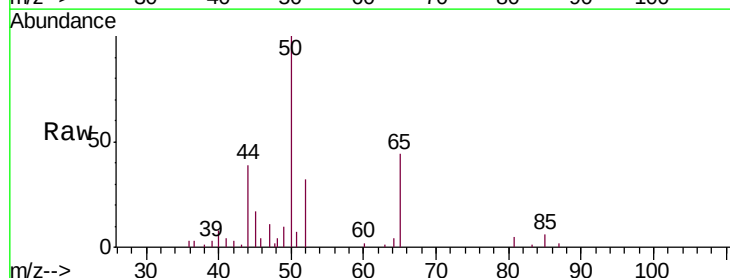
Instrument :
MSVOA_L
ClientSampleId :
5S-TE

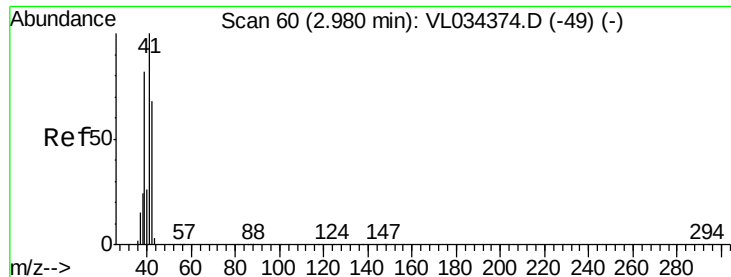
Tgt Ion: 51 Resp: 193857
Ion Ratio Lower Upper
51 100
67 11.0 16.2 24.2#



#4
Chloromethane
Concen: 0.447 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.00 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 50 Resp: 28174
Ion Ratio Lower Upper
50 100
52 29.6 26.8 40.2





#9

Propene

Concen: 0.776 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

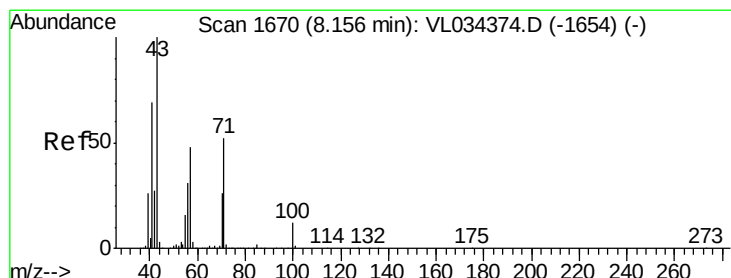
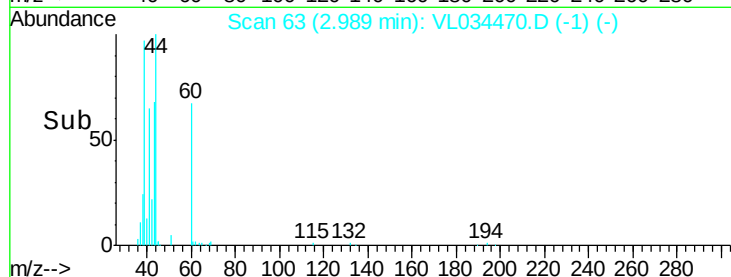
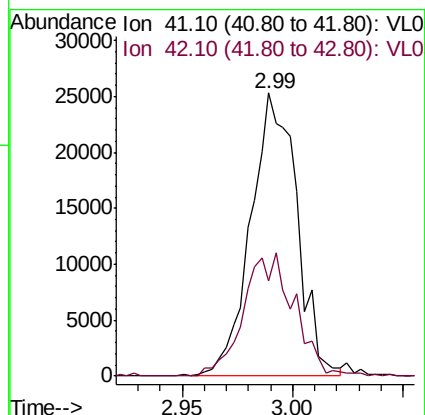
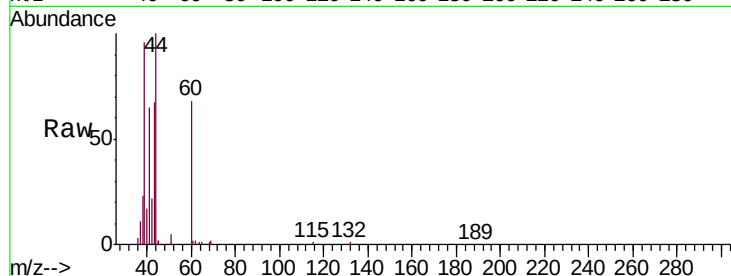
5S-TE

Tgt Ion: 41 Resp: 36827

Ion Ratio Lower Upper

41 100

42 47.7 54.6 82.0#



#10

Heptane

Concen: 0.074 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.02 min

Lab File: VL034470.D

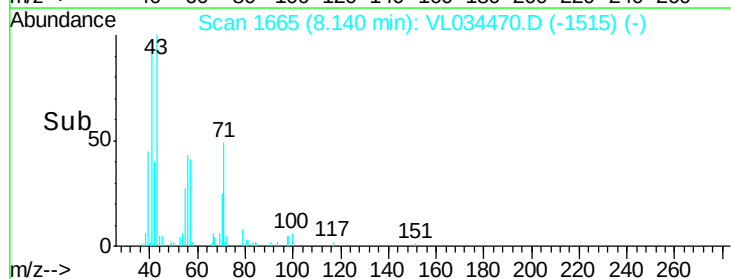
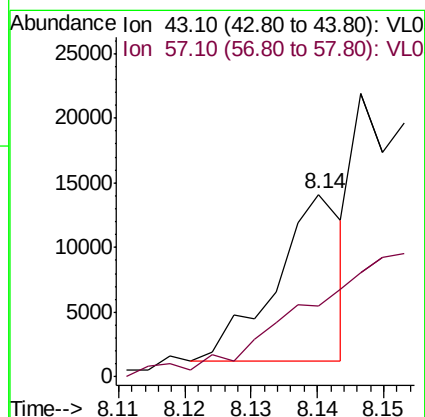
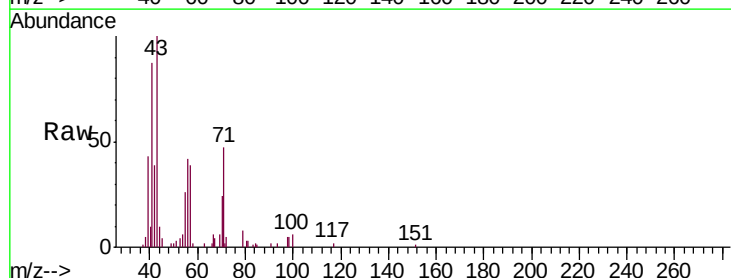
Acq: 9 Dec 2019 18:47

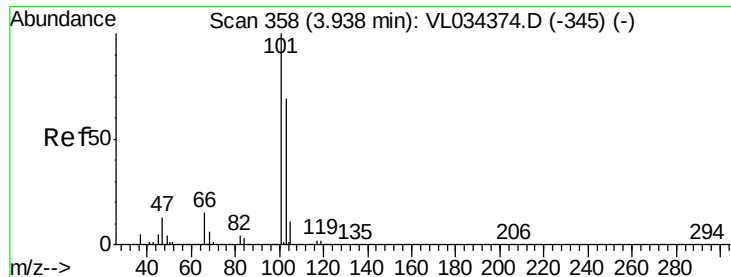
Tgt Ion: 43 Resp: 9110

Ion Ratio Lower Upper

43 100

57 0.0 40.2 60.2#





#11

Trichlorofluoromethane

Concen: 0.290 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

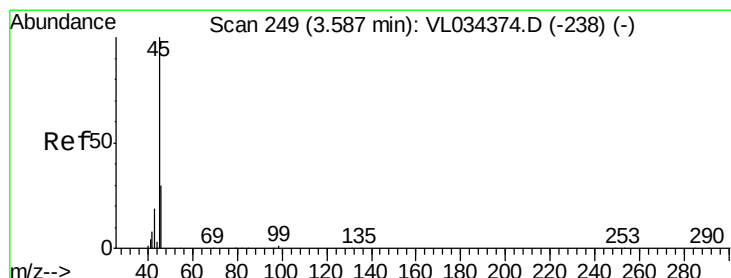
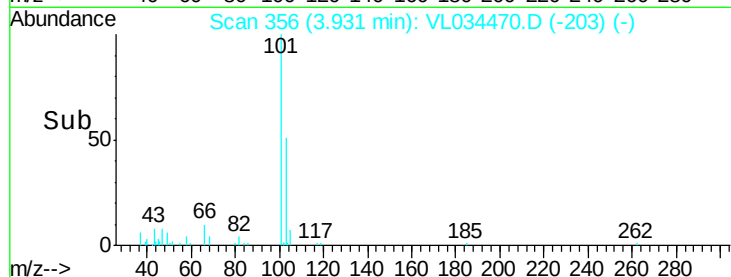
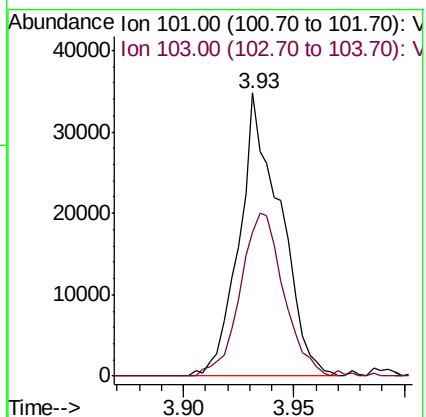
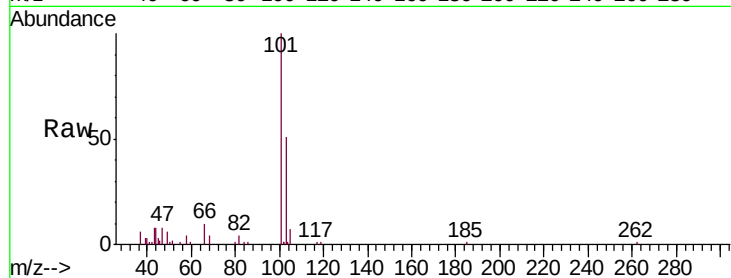
5S-TE

Tgt Ion:101 Resp: 44662

Ion Ratio Lower Upper

101 100

103 51.5 55.4 83.0#



#13

Ethanol

Concen: 162.971 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.01 min

Lab File: VL034470.D

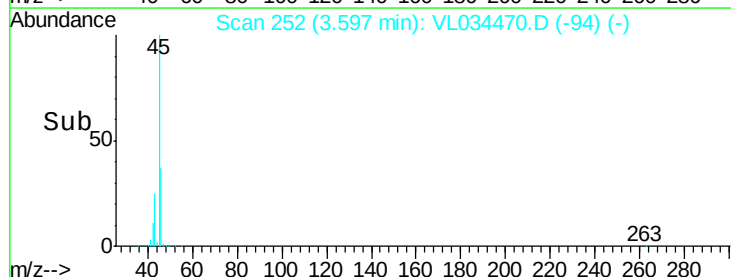
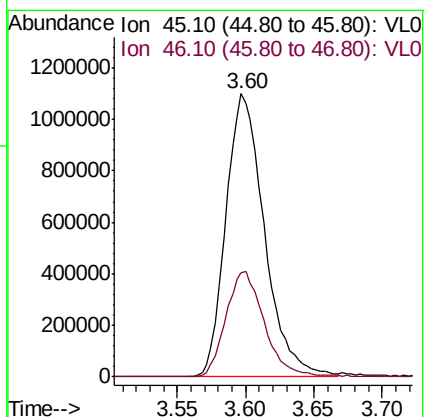
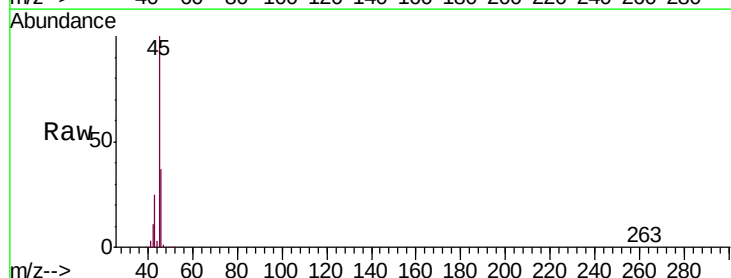
Acq: 9 Dec 2019 18:47

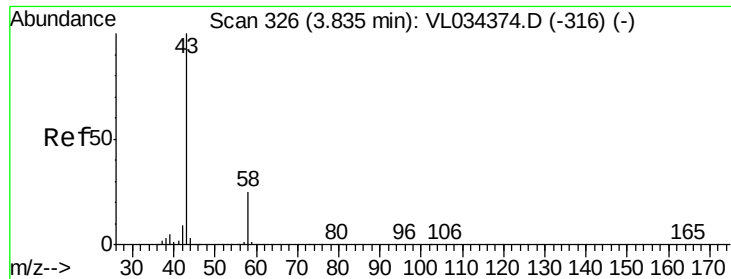
Tgt Ion: 45 Resp: 2154069

Ion Ratio Lower Upper

45 100

46 37.3 13.8 55.4





#15

Acetone

Concen: 9.076 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.00 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

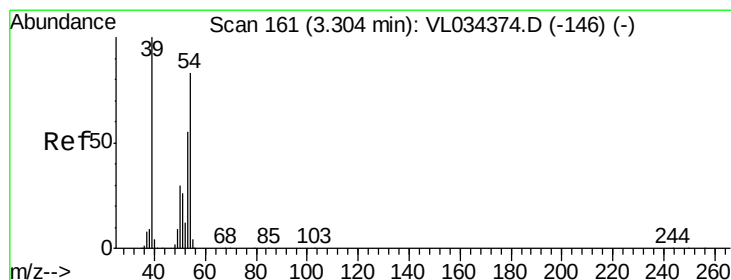
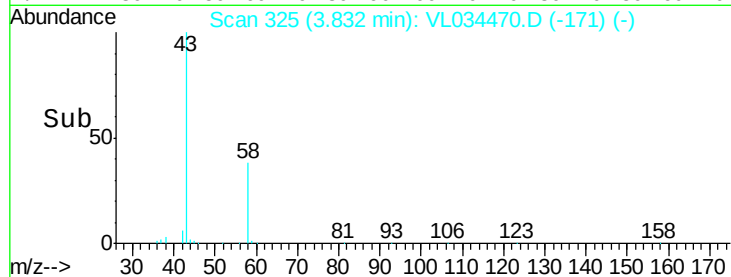
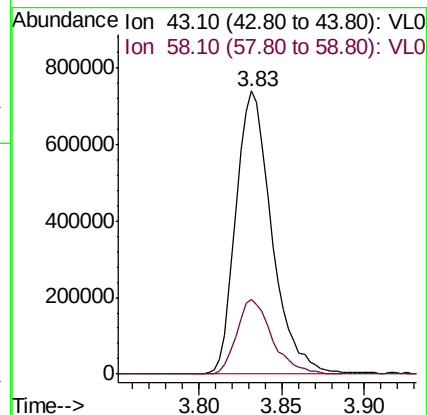
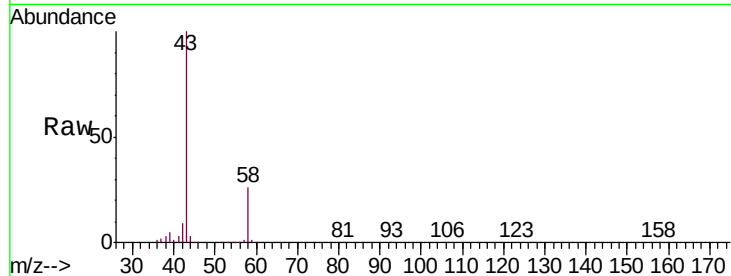
5S-TE

Tgt Ion: 43 Resp: 1113294

Ion Ratio Lower Upper

43 100

58 26.3 20.2 30.4



#16

1,3-Butadiene

Concen: 0.226 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.02 min

Lab File: VL034470.D

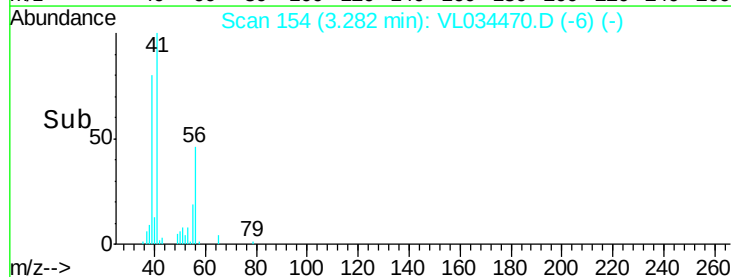
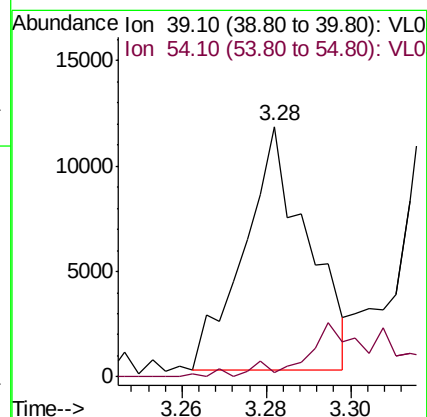
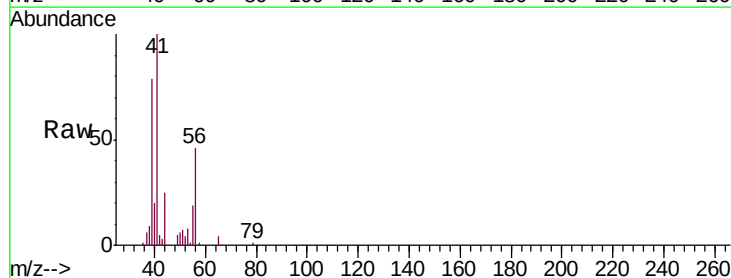
Acq: 9 Dec 2019 18:47

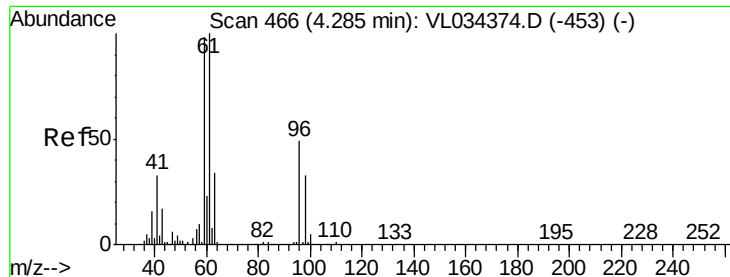
Tgt Ion: 39 Resp: 12053

Ion Ratio Lower Upper

39 100

54 28.0 64.7 97.1#



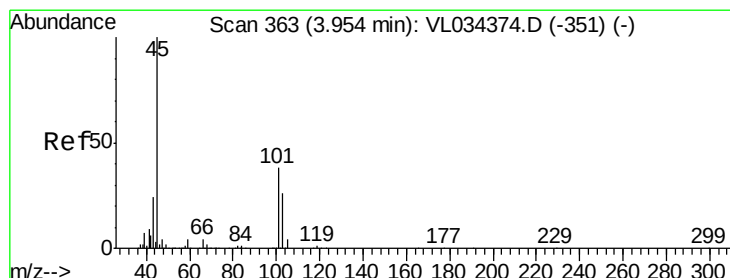
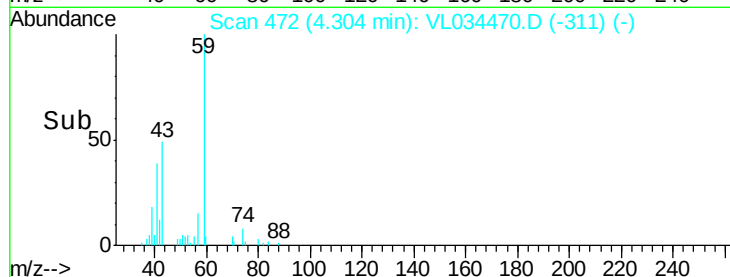
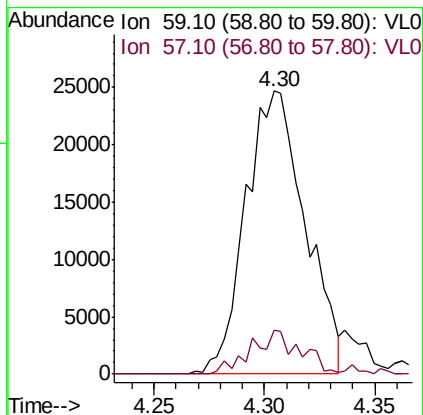
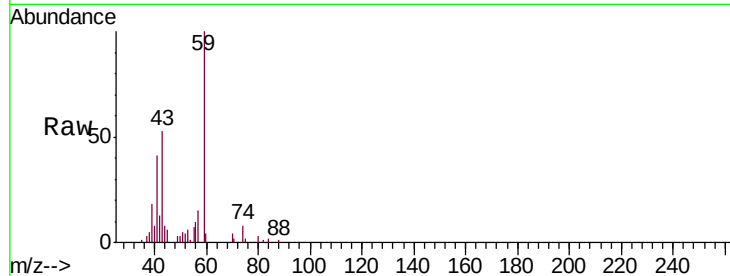


#17

tert-Butyl alcohol
Concen: 0.449 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Instrument :
MSVOA_L
ClientSampled :
5S-TE

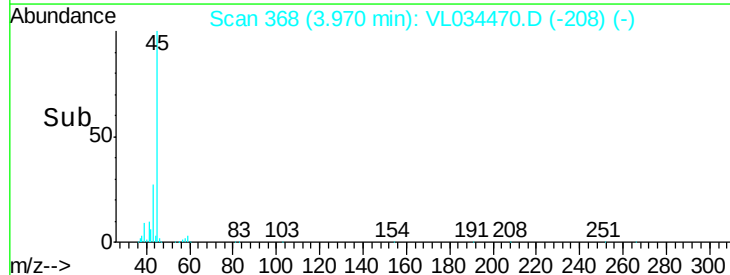
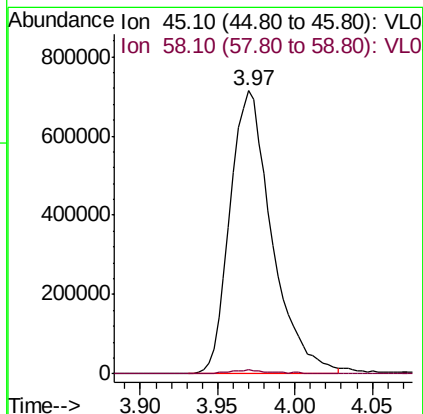
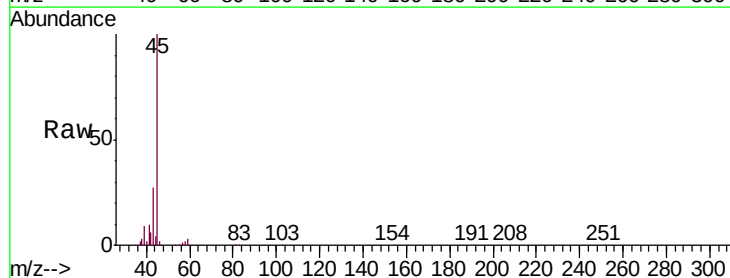
Tgt Ion: 59 Resp: 46287
Ion Ratio Lower Upper
59 100
57 13.7 8.8 13.2#

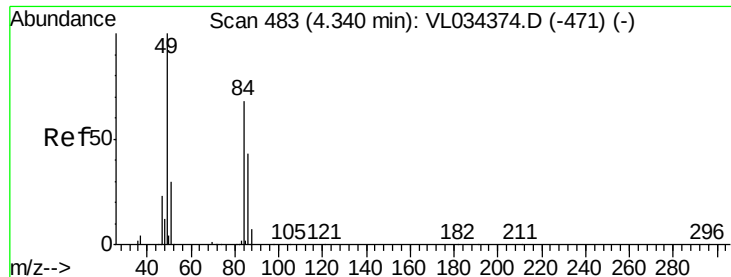


#19

Isopropyl Alcohol
Concen: 17.027 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 45 Resp: 1338732
Ion Ratio Lower Upper
45 100
58 1.6 1.3 1.9

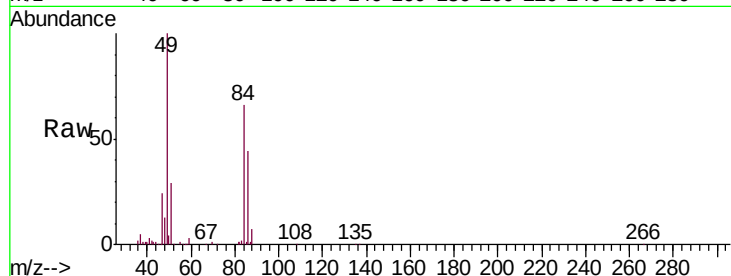




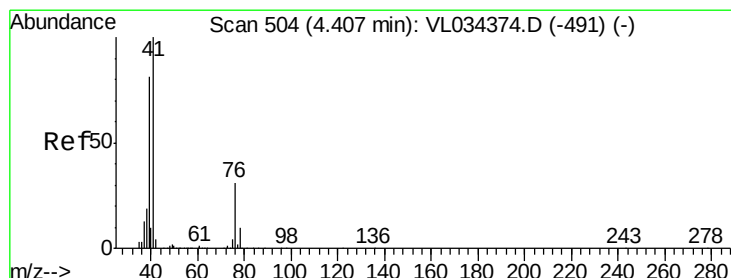
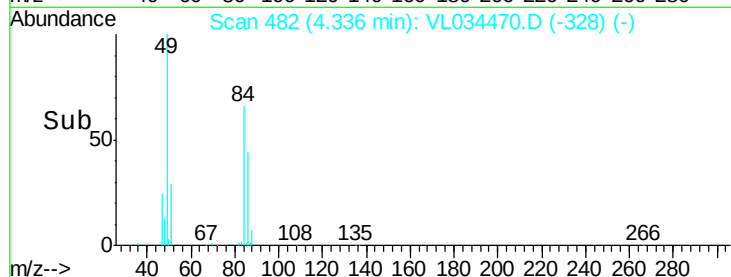
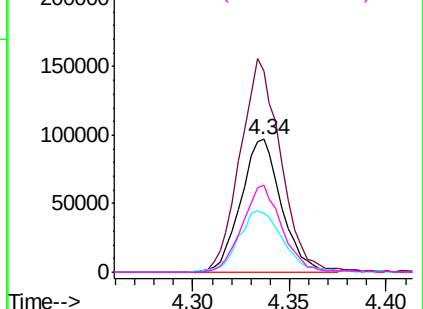
#20
Methylene Chloride
Concen: 3.261 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Instrument :
MSVOA_L
ClientSampleId :
5S-TE

Tgt Ion: 84 Resp: 141836
Ion Ratio Lower Upper
84 100
49 150.9 116.8 175.2
51 44.0 35.6 53.4
86 65.9 50.7 76.1

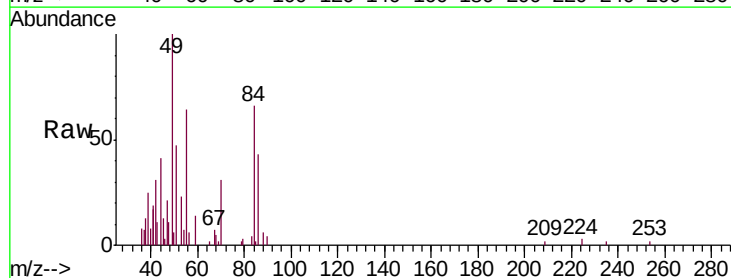


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

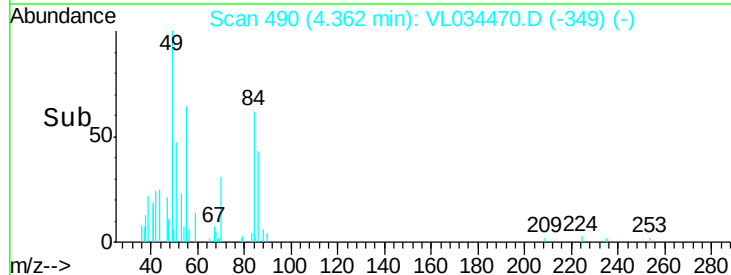
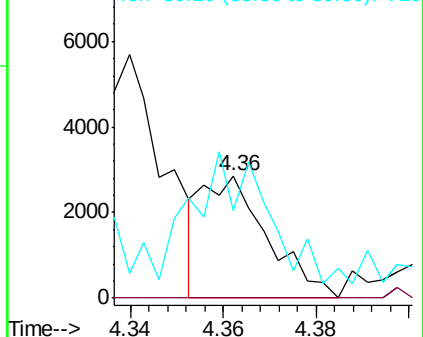


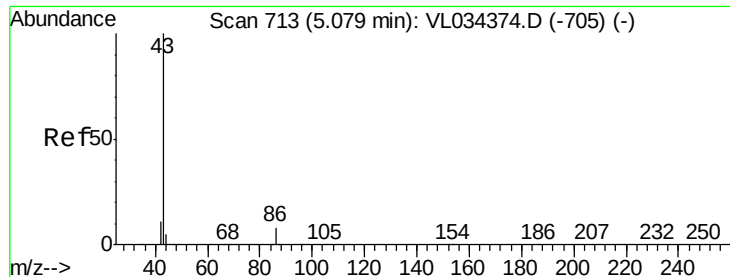
#21
Allyl Chloride
Concen: 0.037 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.05 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 41 Resp: 2756
Ion Ratio Lower Upper
41 100
76 0.0 24.2 36.2#
39 218.0 66.9 100.3#



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: 0.096 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

5S-TE

Tgt Ion: 43 Resp: 15354

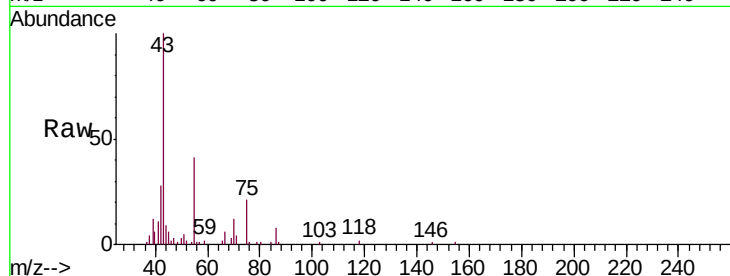
Ion Ratio Lower Upper

43 100

86 4.0 5.8 8.6#

42 31.3 8.9 13.3#

44 6.3 4.0 6.0#

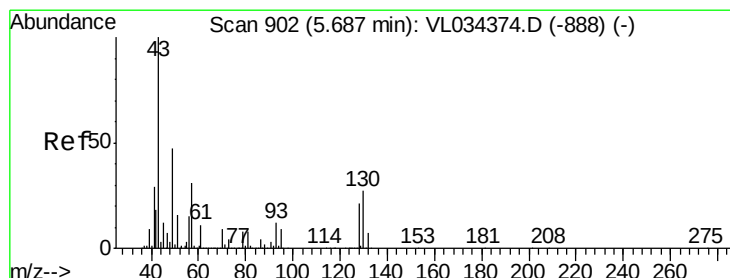
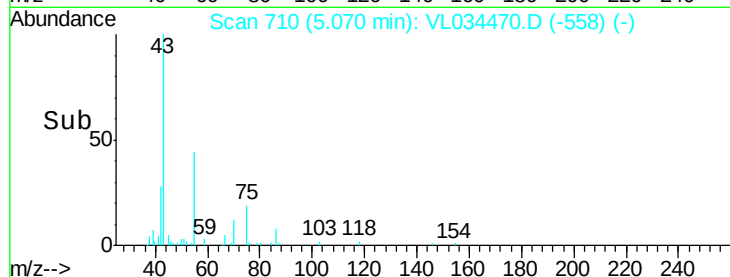
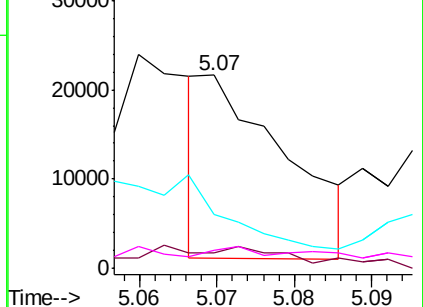


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.817 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Tgt Ion: 43 Resp: 178836

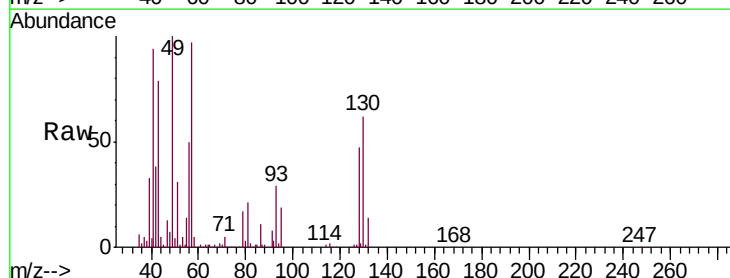
Ion Ratio Lower Upper

43 100

45 2.9 8.2 12.4#

61 1.8 7.5 11.3#

70 2.7 5.7 8.5#

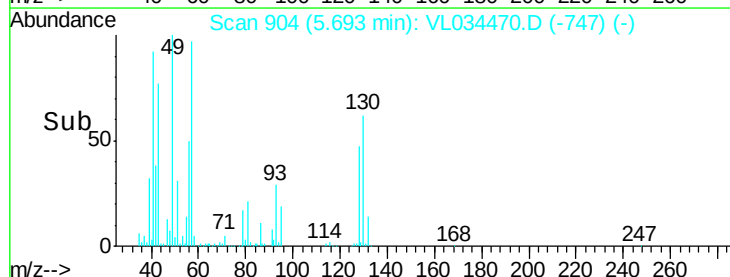
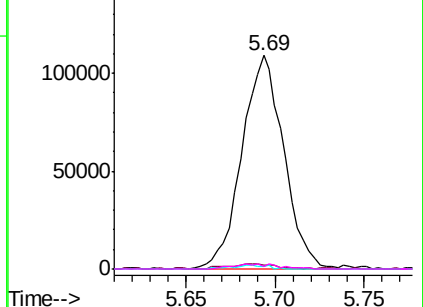


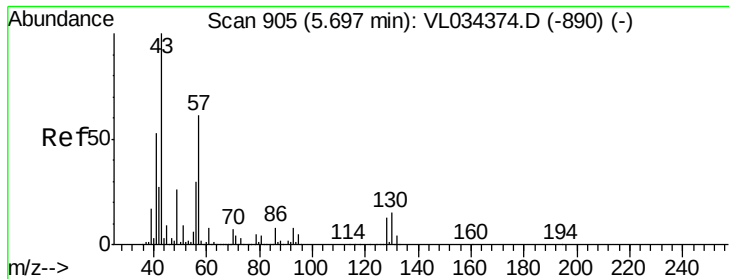
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.363 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampled :

5S-TE

Tgt Ion: 57 Resp: 222272

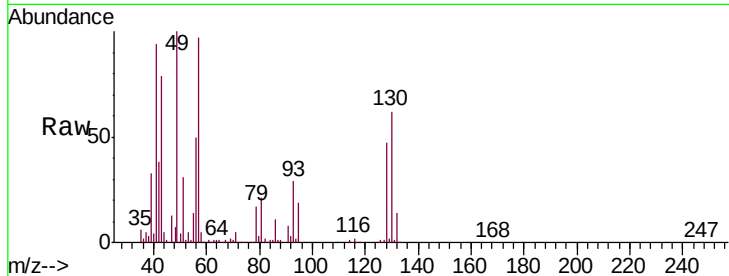
Ion Ratio Lower Upper

57 100

41 99.3 75.0 112.4

43 80.4 186.6 279.8#

56 55.2 41.5 62.3

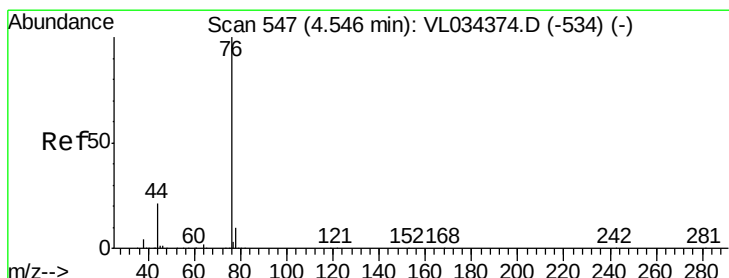
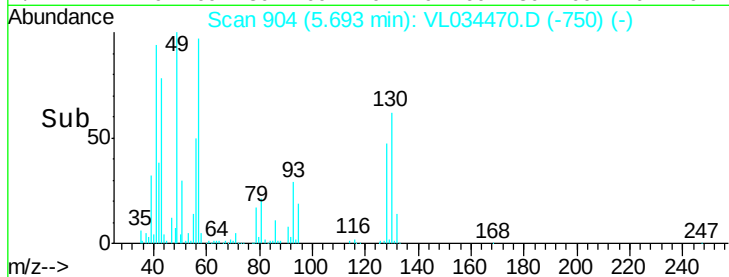
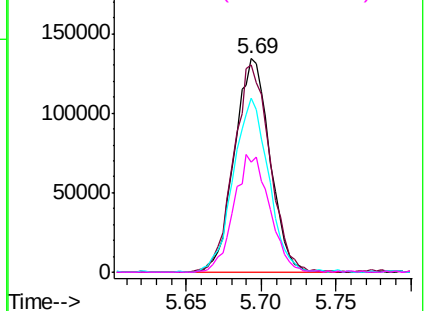


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.267 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

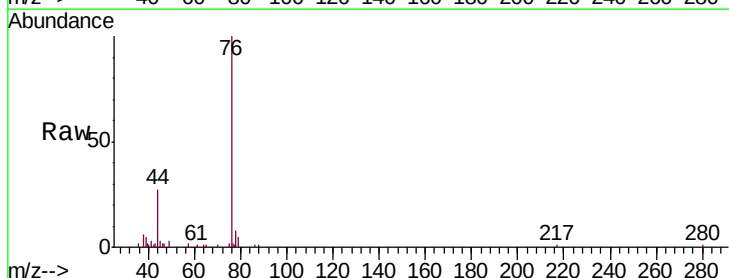
Tgt Ion: 76 Resp: 27306

Ion Ratio Lower Upper

76 100

44 32.2 17.0 25.4#

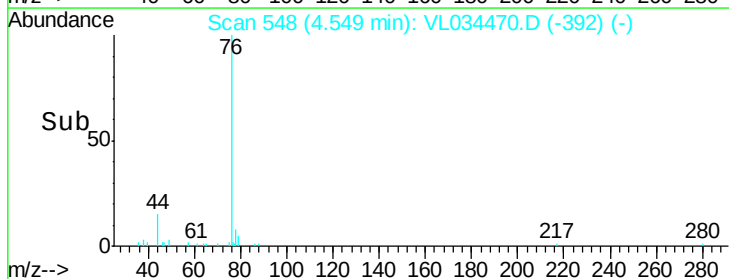
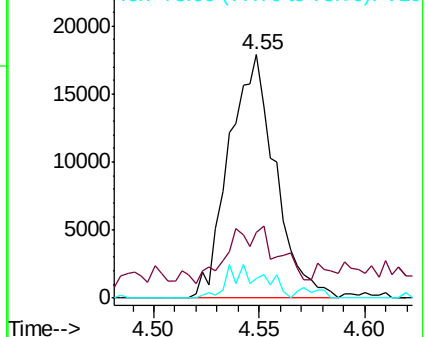
78 12.6 7.6 11.4#

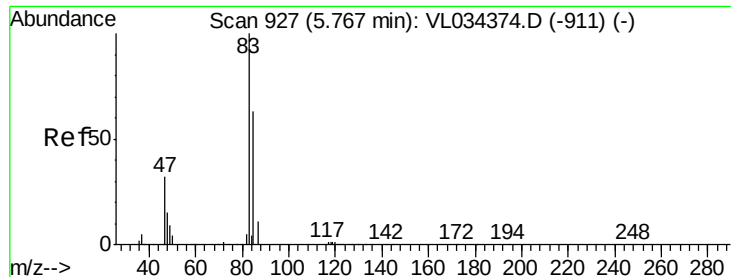


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

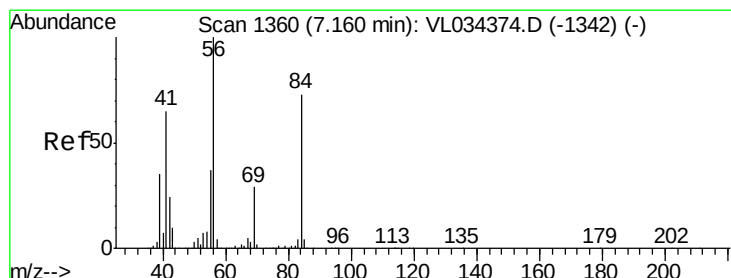
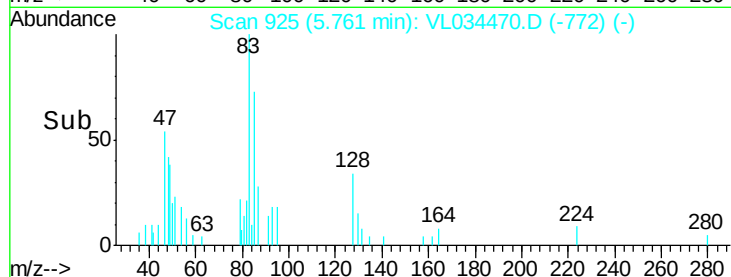
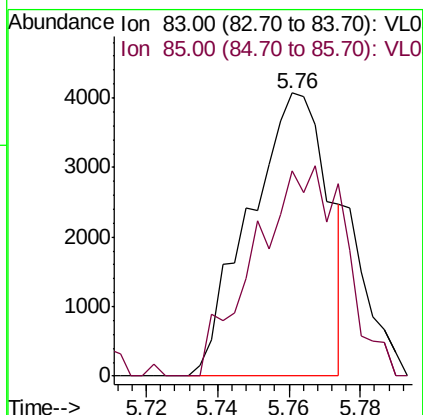
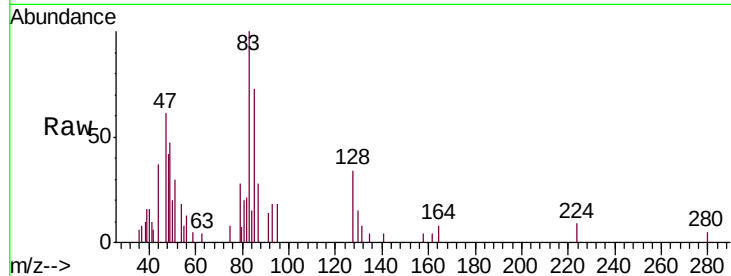




#29
Chloroform
Concen: 0.041 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

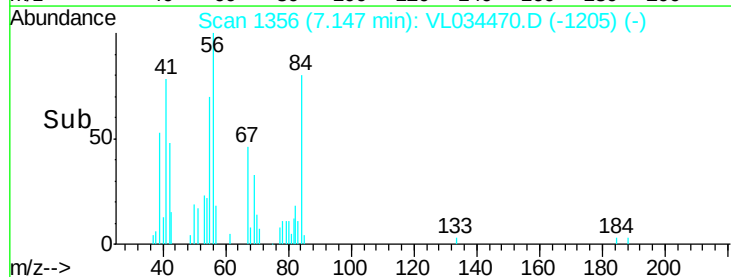
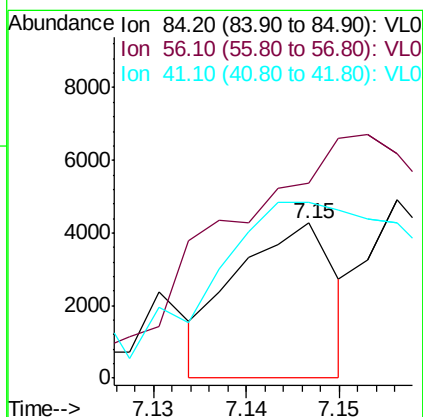
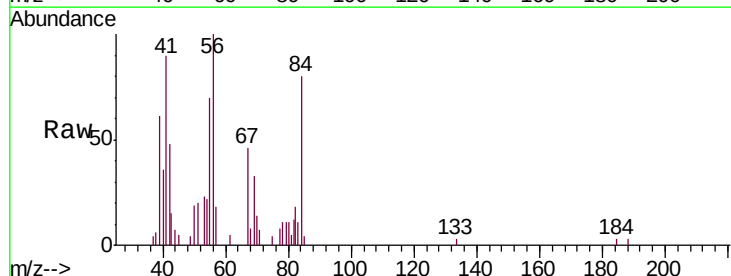
Instrument :
MSVOA_L
ClientSampleId :
5S-TE

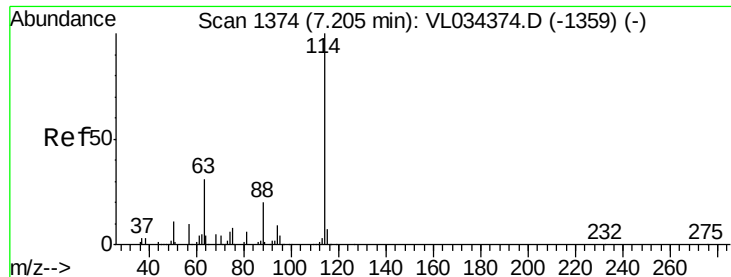
Tgt Ion: 83 Resp: 6196
Ion Ratio Lower Upper
83 100
85 72.7 50.4 75.6



#30
Cyclohexane
Concen: 0.045 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 84 Resp: 3168
Ion Ratio Lower Upper
84 100
56 0.0 112.6 169.0#
41 372.5 73.4 110.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

5S-TE

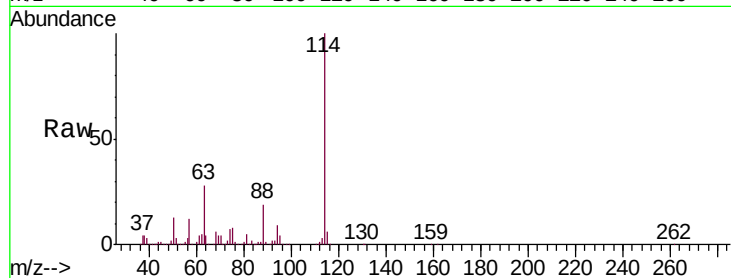
Tgt Ion:114 Resp: 1693585

Ion Ratio Lower Upper

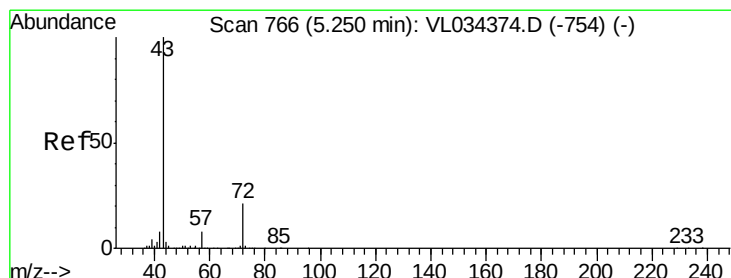
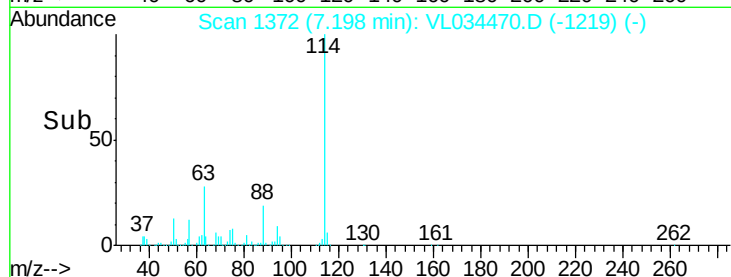
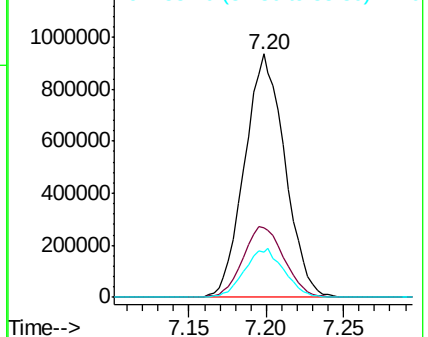
114 100

63 29.8 24.2 36.4

88 19.7 15.9 23.9



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



#34

2-Butanone

Concen: 0.776 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL034470.D

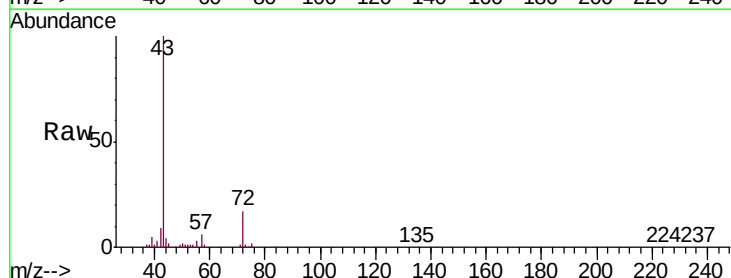
Acq: 9 Dec 2019 18:47

Tgt Ion: 43 Resp: 108241

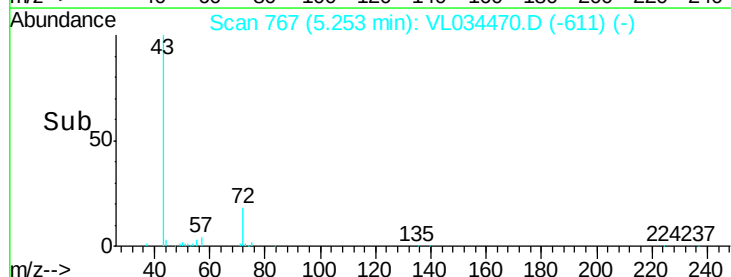
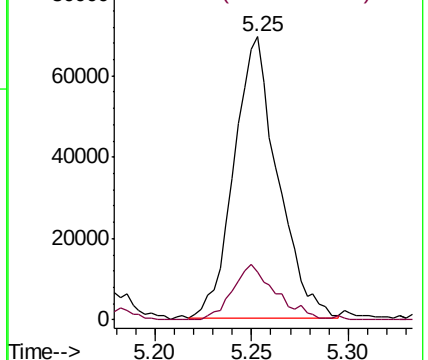
Ion Ratio Lower Upper

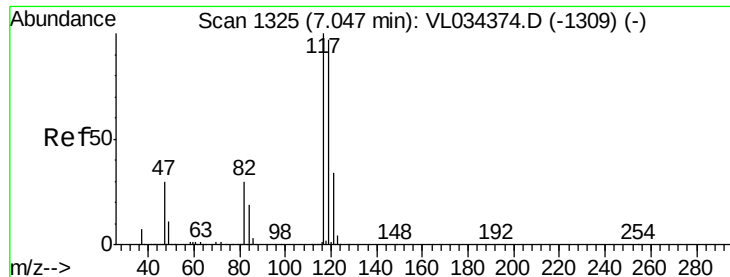
43 100

72 19.8 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 0.033 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

5S-TE

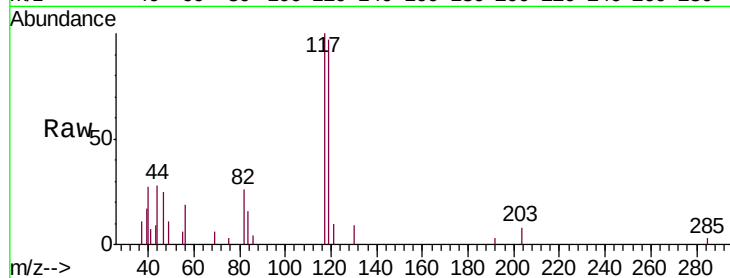
Tgt Ion: 117 Resp: 4743

Ion Ratio Lower Upper

117 100

119 84.4 77.3 115.9

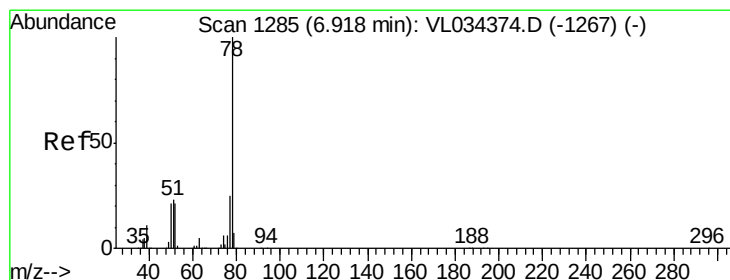
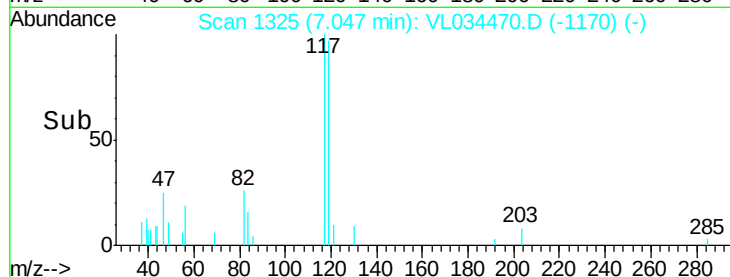
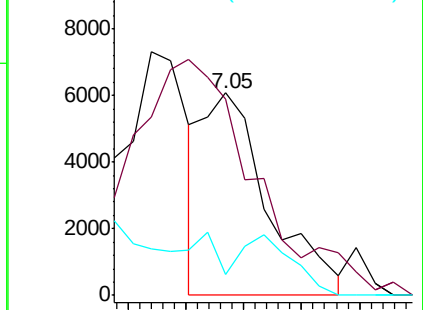
121 11.2 27.4 41.2#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.389 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

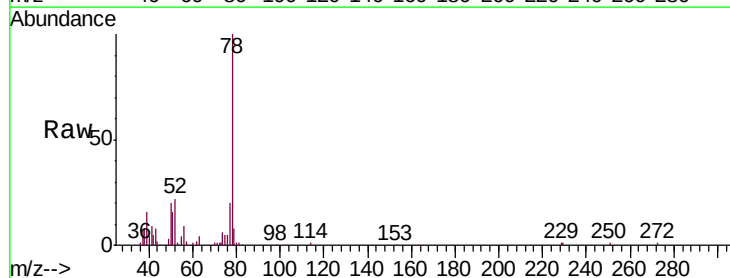
Tgt Ion: 78 Resp: 65918

Ion Ratio Lower Upper

78 100

77 20.5 20.2 30.4

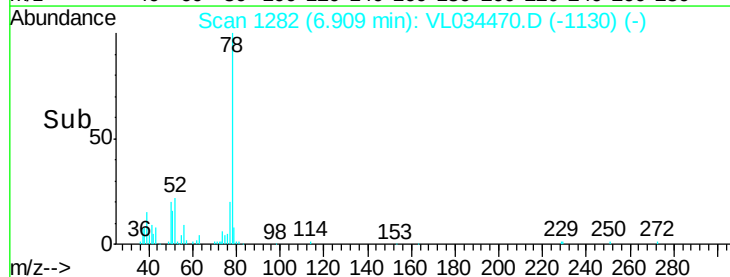
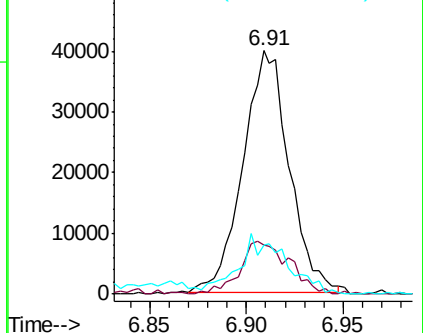
50 19.7 17.1 25.7

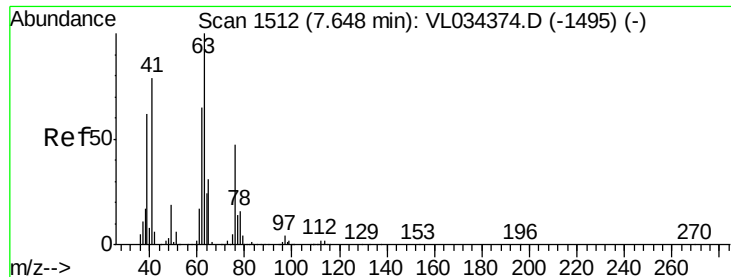


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 7.698 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.45 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

5S-TE

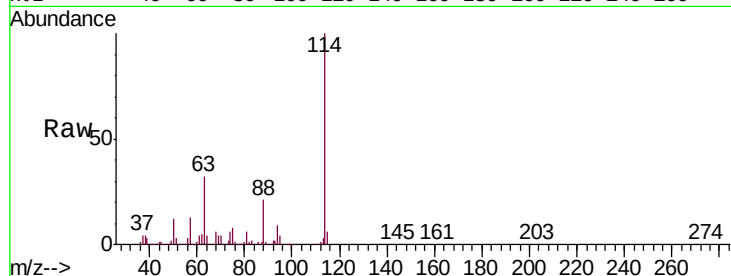
Tgt Ion: 63 Resp: 502117

Ion Ratio Lower Upper

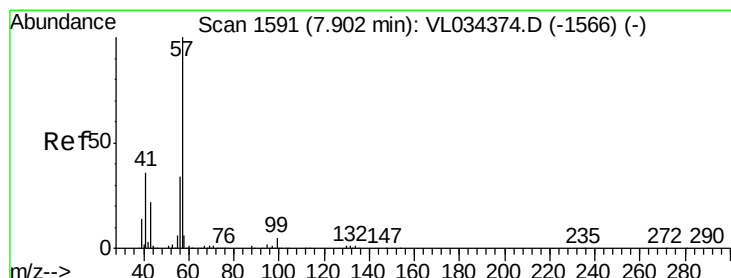
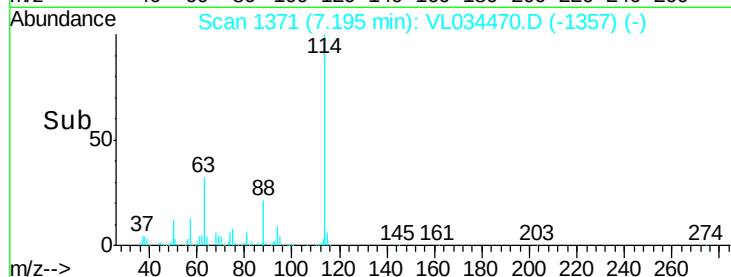
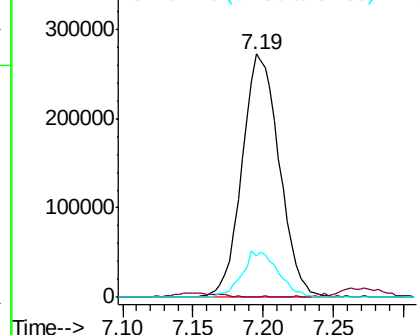
63 100

41 0.0 63.1 94.7#

62 16.8 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



#44

2,2,4-Trimethylpentane

Concen: 0.464 ppbv

RT: 7.89 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

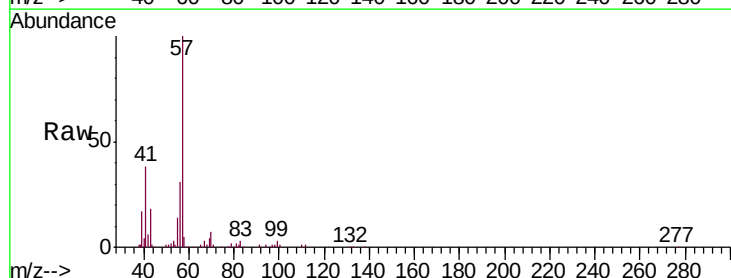
Tgt Ion: 57 Resp: 143699

Ion Ratio Lower Upper

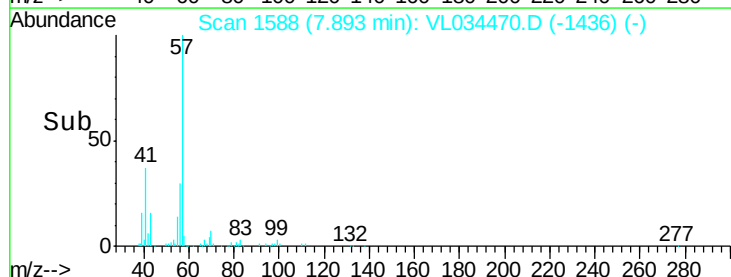
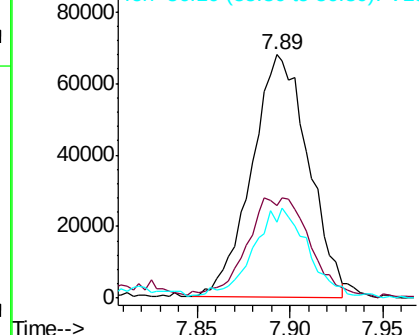
57 100

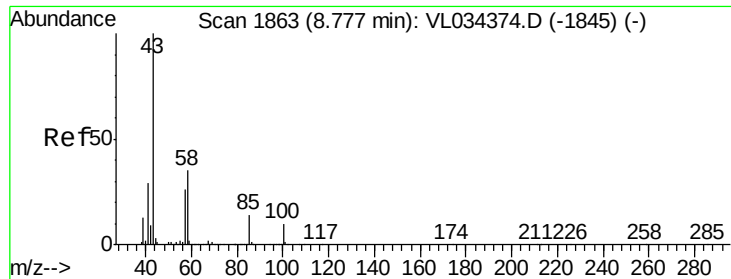
41 47.6 28.6 42.8#

56 36.9 25.3 37.9



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

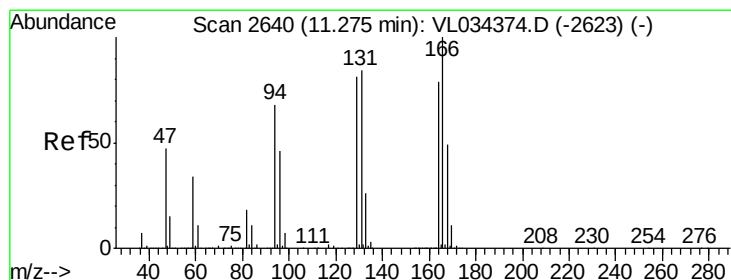
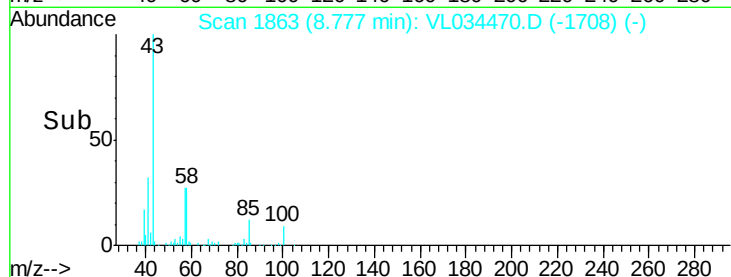
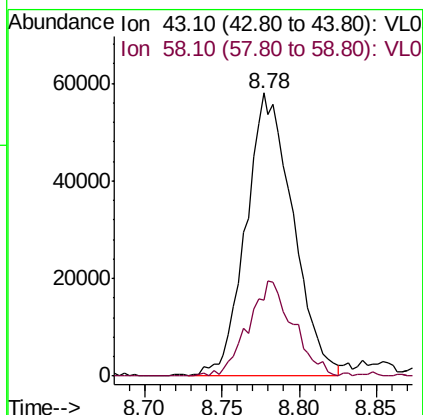
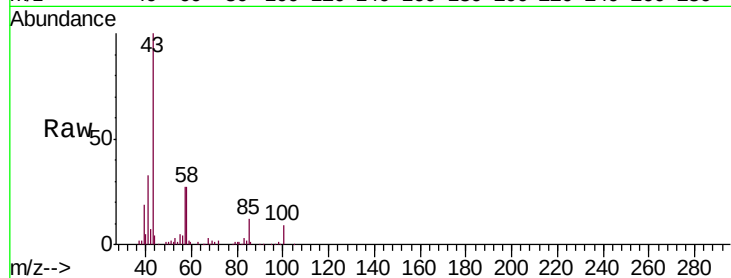




#50
4-Methyl-2-Pentanone
Concen: 0.609 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

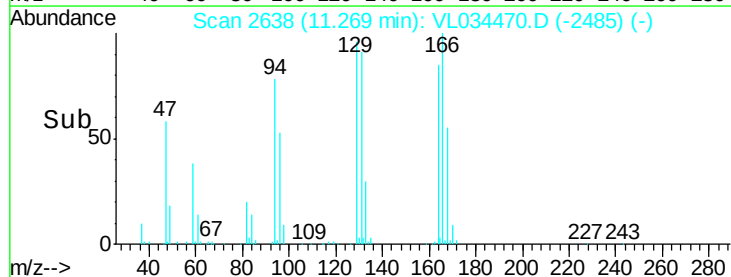
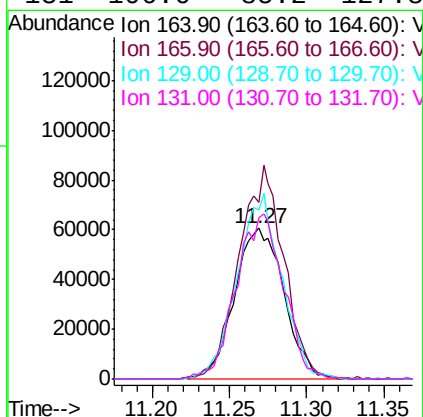
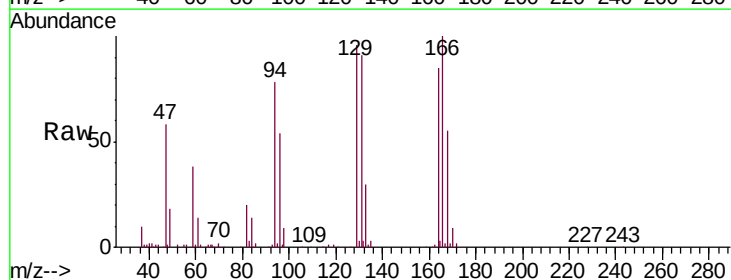
Instrument :
MSVOA_L
ClientSampleId :
5S-TE

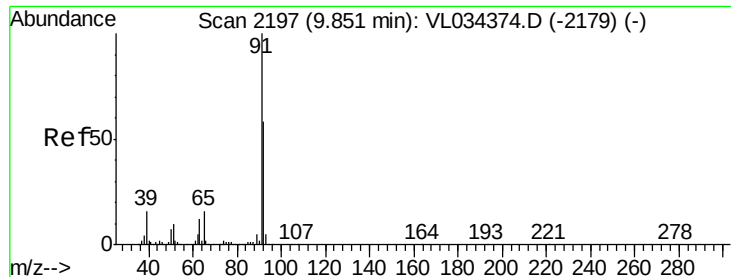
Tgt Ion: 43 Resp: 122744
Ion Ratio Lower Upper
43 100
58 32.7 27.9 41.9



#52
Tetrachloroethene
Concen: 1.840 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 164 Resp: 134802
Ion Ratio Lower Upper
164 100
166 116.2 101.7 152.5
129 111.7 82.6 123.8
131 106.6 85.2 127.8





#53

Toluene

Concen: 1.229 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

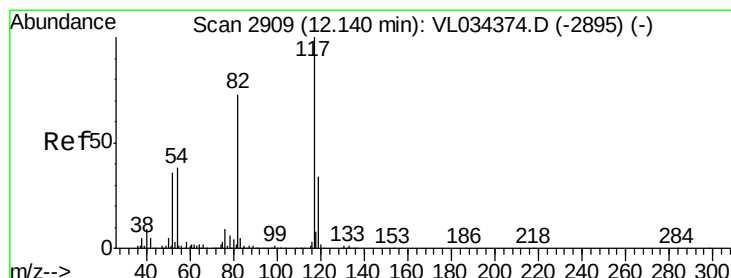
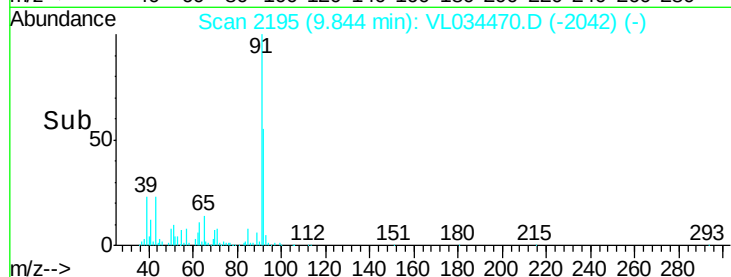
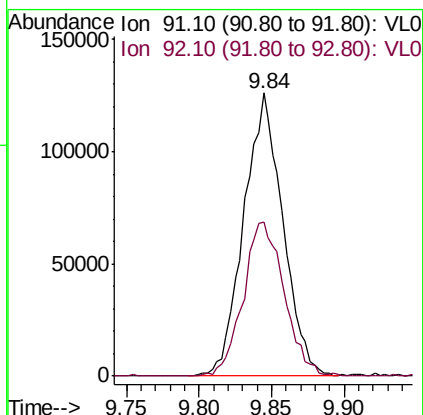
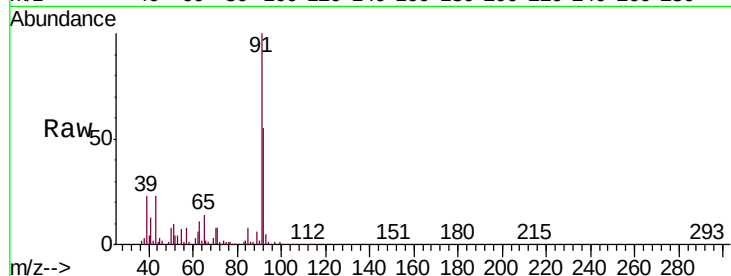
5S-TE

Tgt Ion: 91 Resp: 236357

Ion Ratio Lower Upper

91 100

92 57.2 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

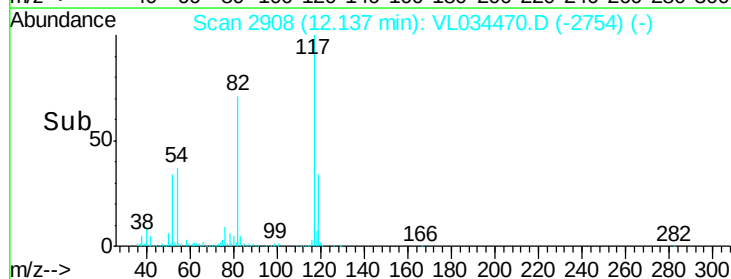
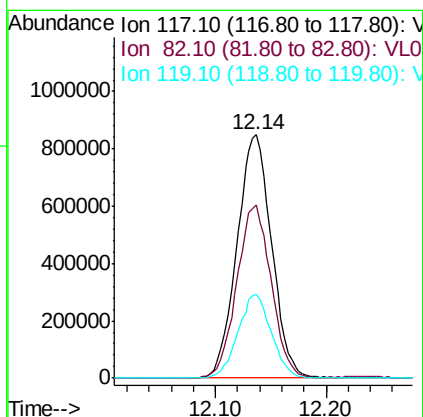
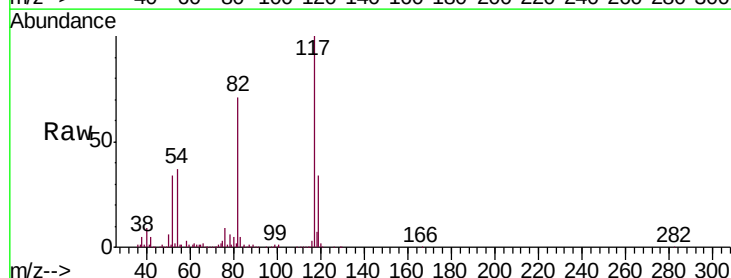
Tgt Ion: 117 Resp: 1846135

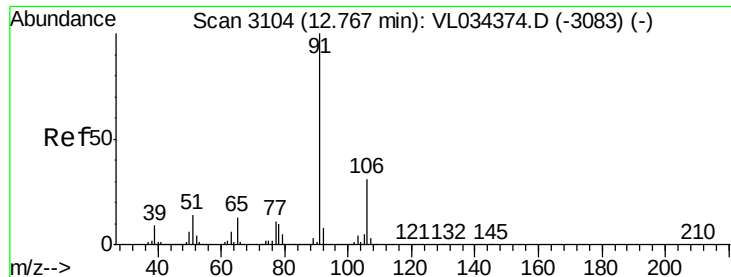
Ion Ratio Lower Upper

117 100

82 70.8 57.5 86.3

119 33.2 25.4 38.2

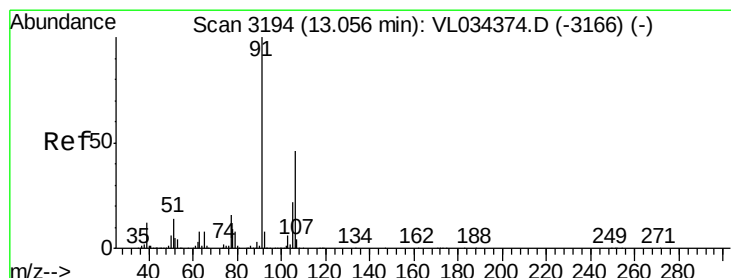
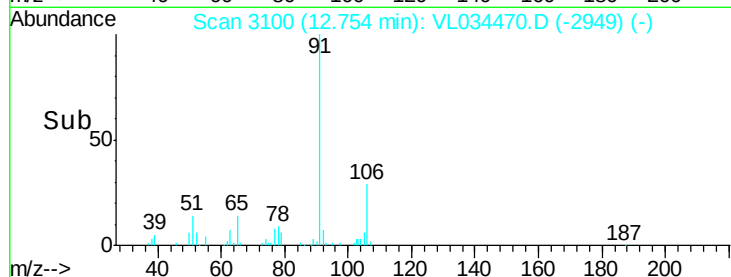
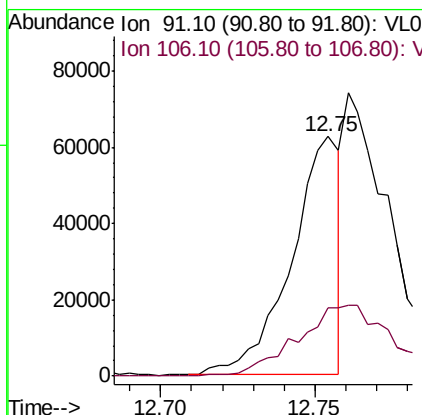
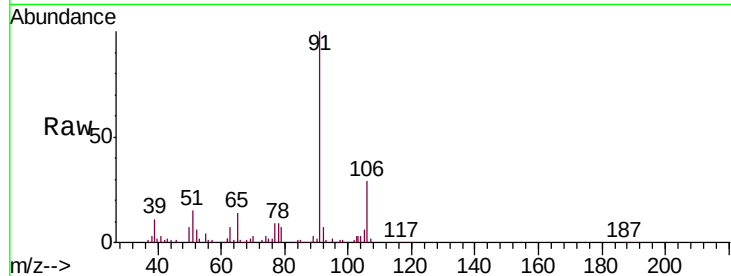




#58
Ethyl Benzene
Concen: 0.236 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

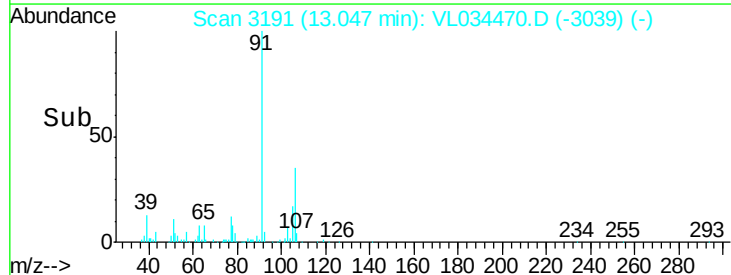
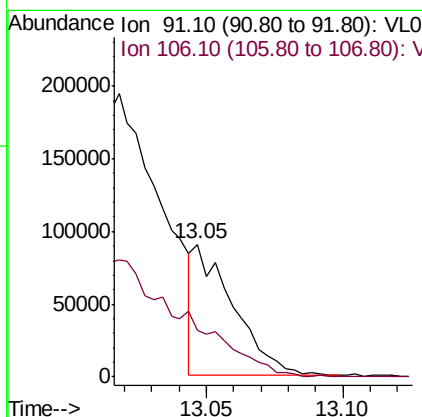
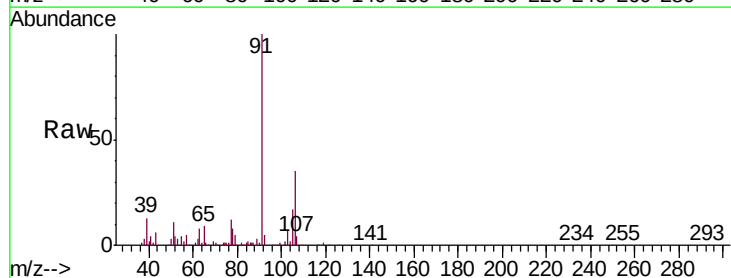
Instrument :
MSVOA_L
ClientSampleId :
5S-TE

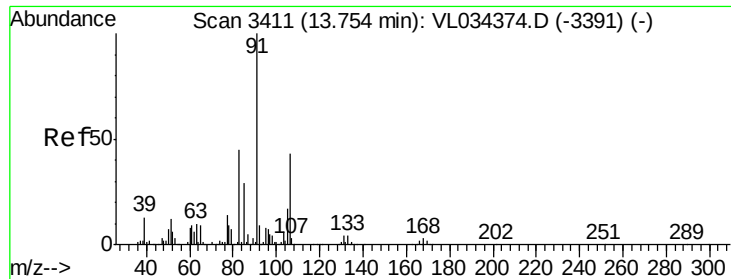
Tgt Ion: 91 Resp: 67617
Ion Ratio Lower Upper
91 100
106 28.9 24.8 37.2



#59
m/p-Xylene
Concen: 0.366 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 91 Resp: 90727
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

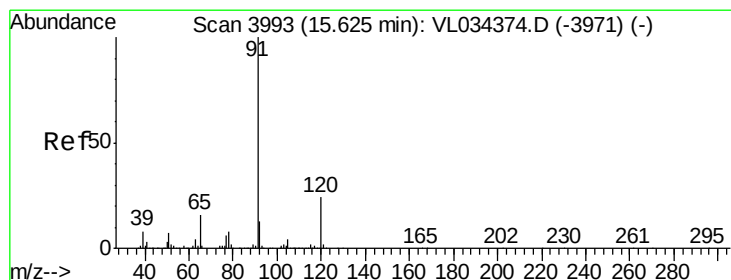
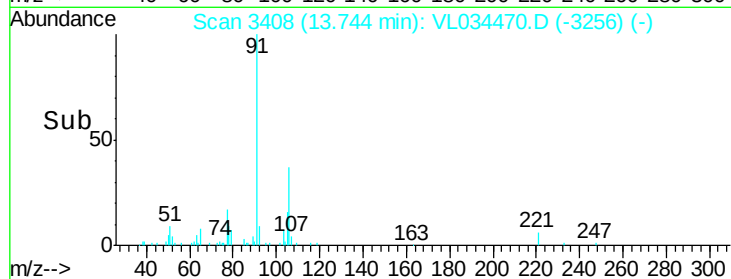
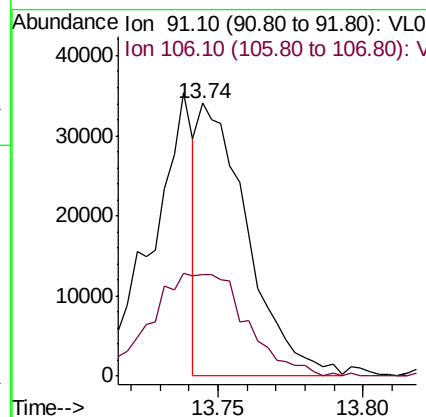
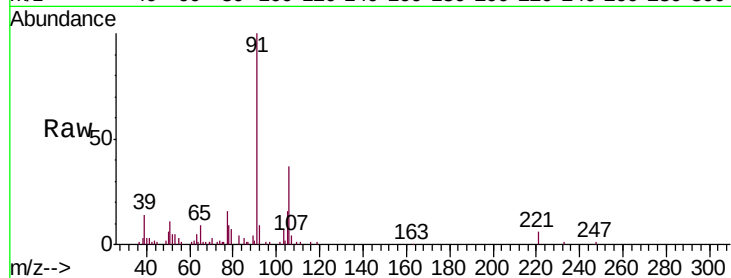




#60
o-Xylene
Concen: 0.162 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

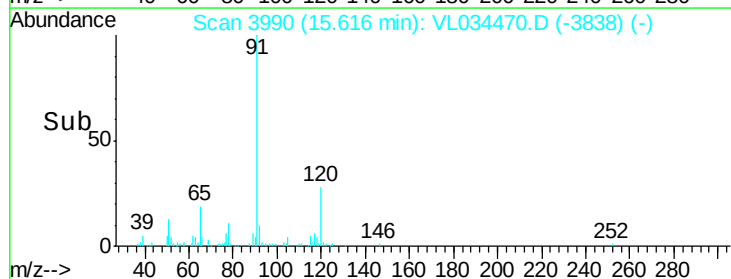
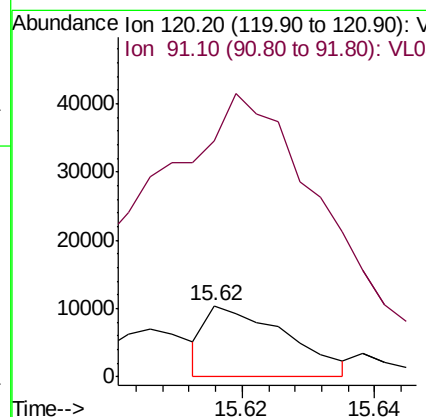
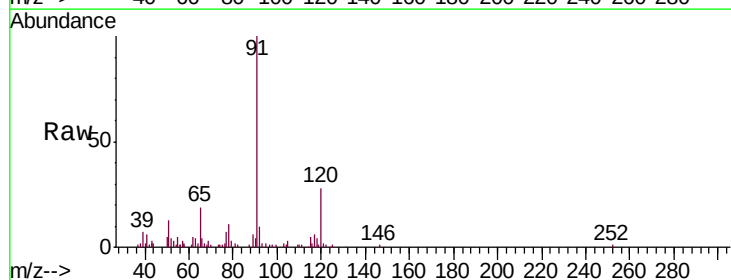
Instrument :
MSVOA_L
ClientSampleId :
5S-TE

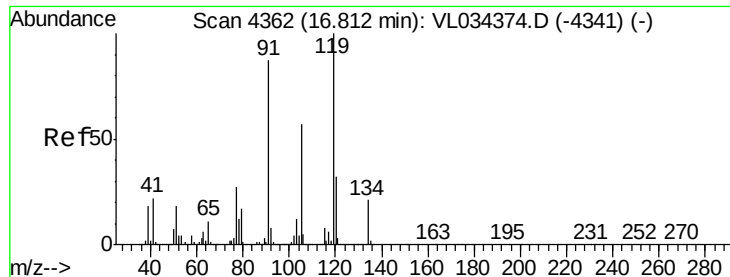
Tgt Ion: 91 Resp: 39786
Ion Ratio Lower Upper
91 100
106 0.0 21.3 64.0#



#64
n-propylbenzene
Concen: 0.104 ppbv
RT: 15.62 min Scan# 3990
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 120 Resp: 8788
Ion Ratio Lower Upper
120 100
91 1008.1 370.9 556.3#





#65

tert-Butylbenzene

Concen: 0.109 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. 0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampled :

5S-TE

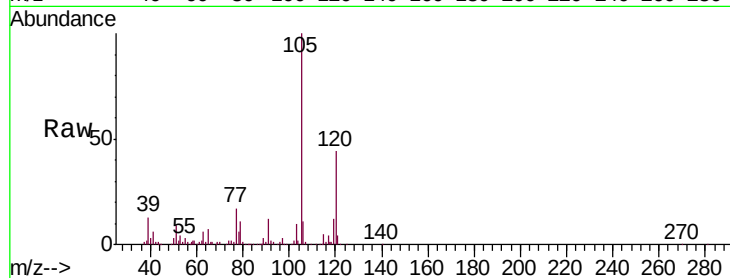
Tgt Ion: 119 Resp: 31801

Ion Ratio Lower Upper

119 100

91 216.4 71.6 107.4#

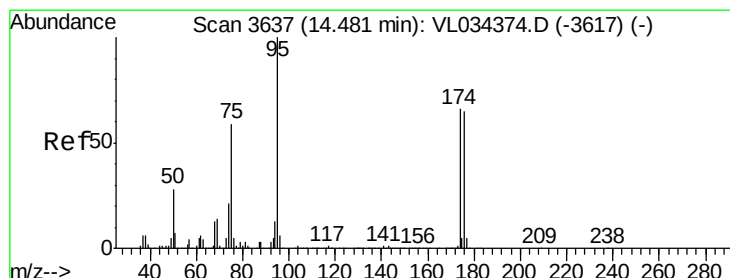
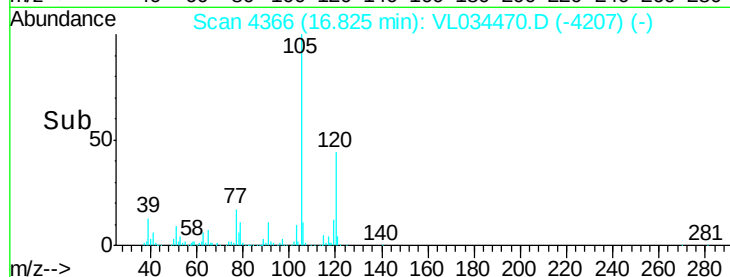
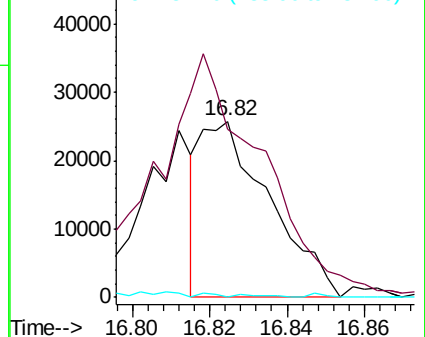
134 0.0 15.9 23.9#



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: 9.972 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

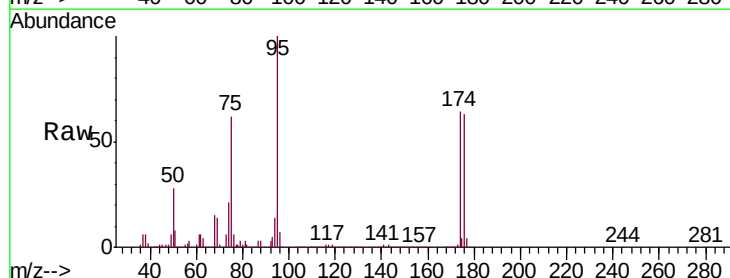
Tgt Ion: 95 Resp: 1548800

Ion Ratio Lower Upper

95 100

174 64.5 52.2 78.2

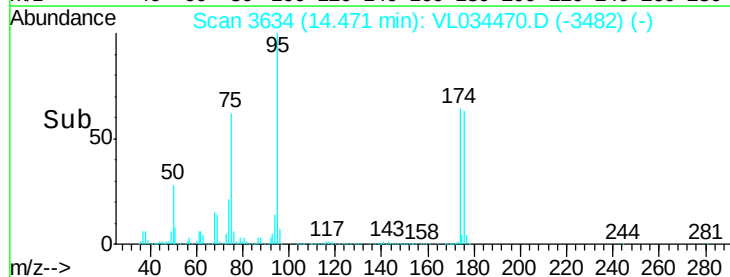
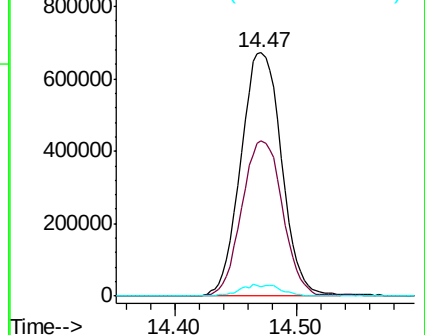
175 4.6 3.8 5.8

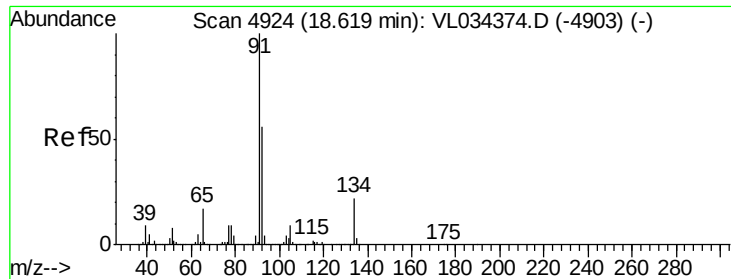


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

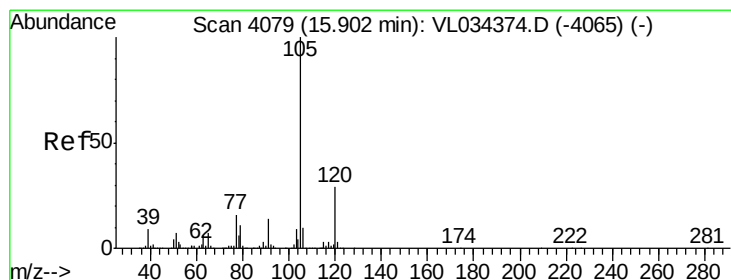
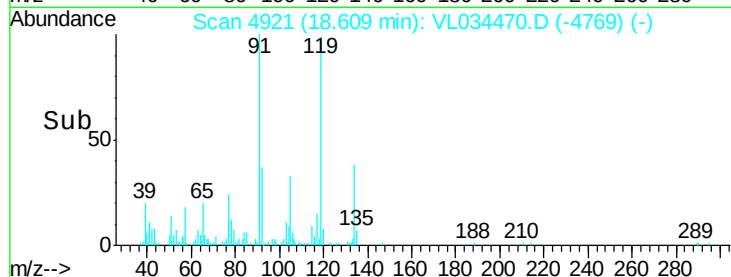
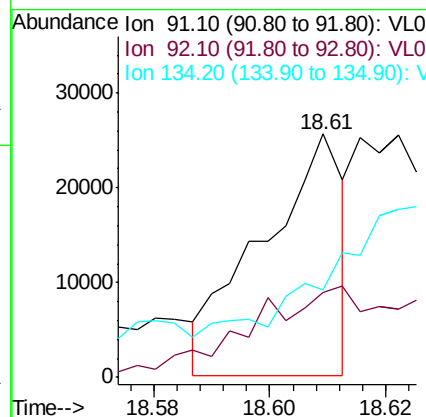
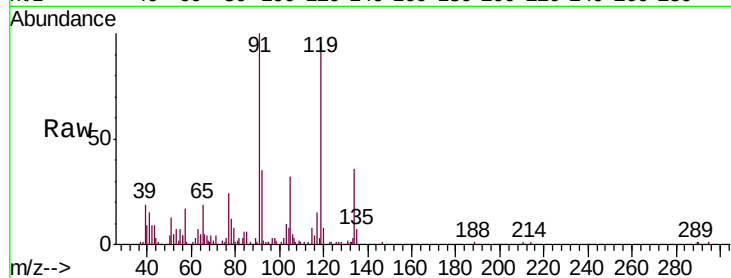




#70
n-Butylbenzene
Concen: 0.069 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

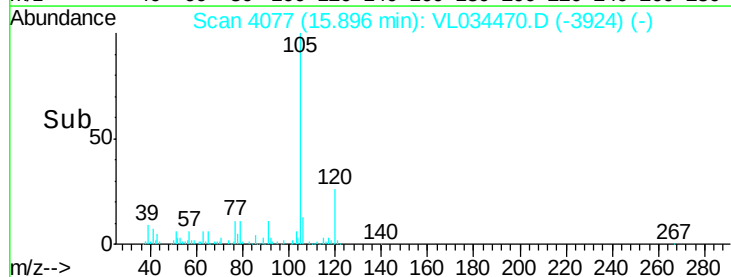
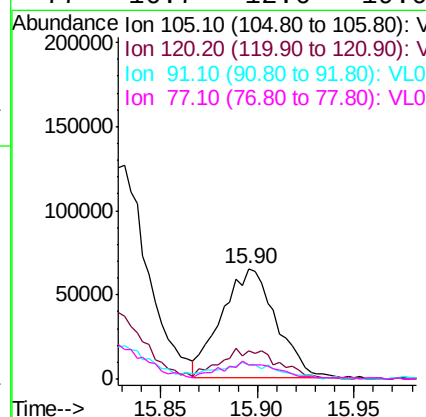
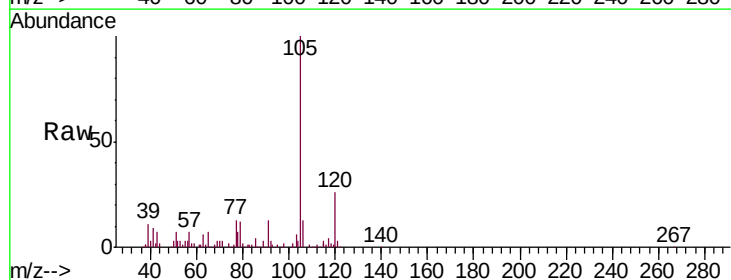
Instrument :
MSVOA_L
ClientSampleId :
5S-TE

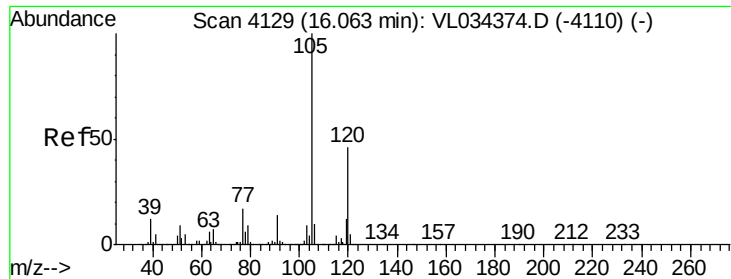
Tgt Ion: 91 Resp: 24996
Ion Ratio Lower Upper
91 100
92 95.3 43.8 65.6#
134 0.0 17.9 26.9#



#72
4-Ethyltoluene
Concen: 0.445 ppbv
RT: 15.90 min Scan# 4077
Delta R.T. -0.01 min
Lab File: VL034470.D
Acq: 9 Dec 2019 18:47

Tgt Ion: 105 Resp: 125843
Ion Ratio Lower Upper
105 100
120 30.7 23.5 35.3
91 17.0 11.4 17.0
77 16.7 12.6 19.0

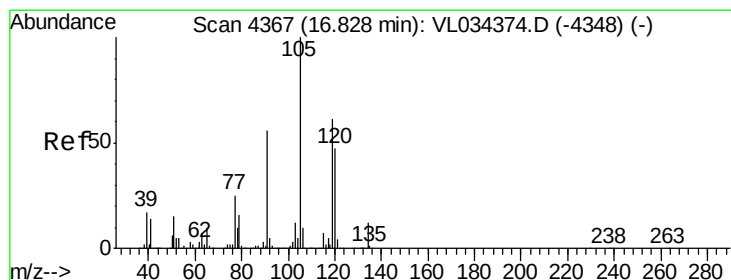
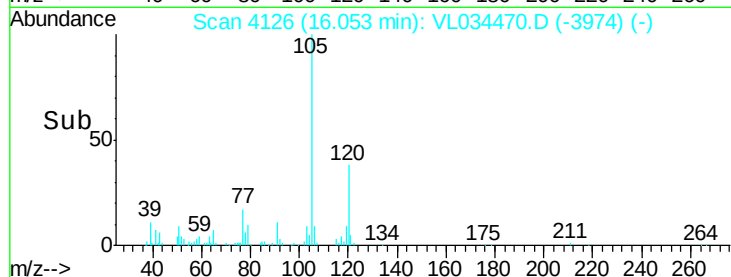
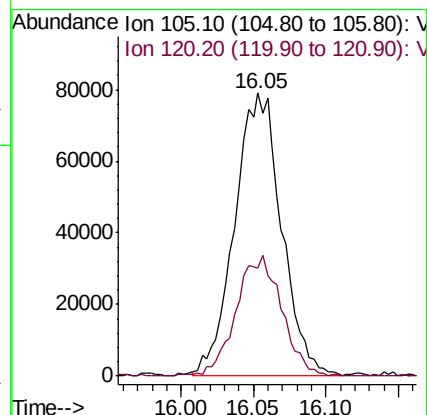
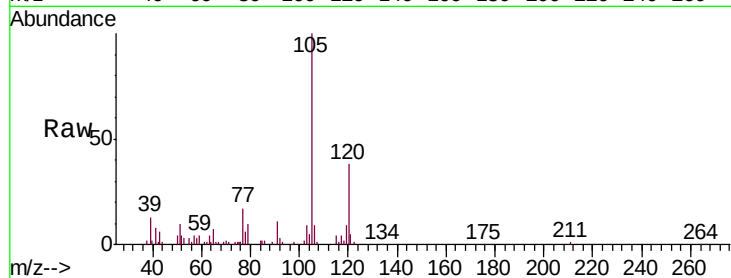




#73
 1,3,5-Trimethylbenzene
 Concen: 0.635 ppbv
 RT: 16.05 min Scan# 4126
 Delta R.T. -0.01 min
 Lab File: VL034470.D
 Acq: 9 Dec 2019 18:47

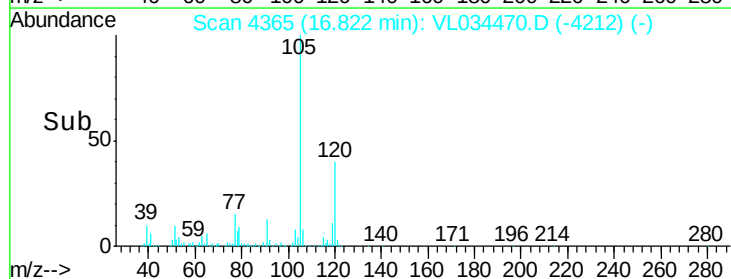
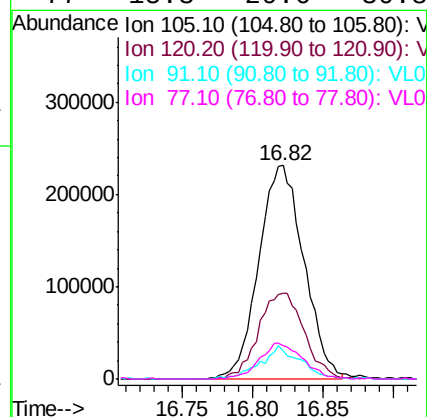
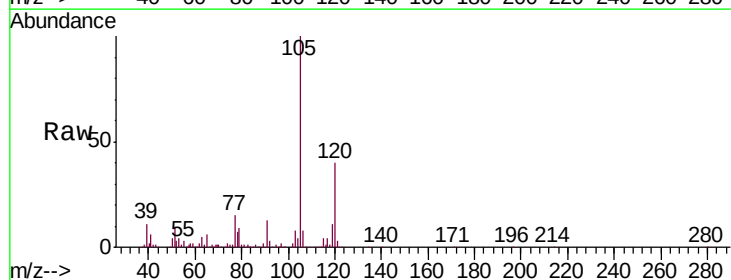
Instrument :
 MSVOA_L
 ClientSampled :
 5S-TE

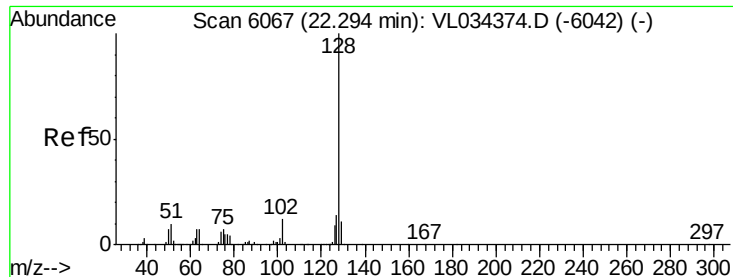
Tgt Ion:105 Resp: 175858
 Ion Ratio Lower Upper
 105 100
 120 37.8 37.1 55.7



#74
 1,2,4-Trimethylbenzene
 Concen: 1.748 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. -0.01 min
 Lab File: VL034470.D
 Acq: 9 Dec 2019 18:47

Tgt Ion:105 Resp: 514296
 Ion Ratio Lower Upper
 105 100
 120 39.9 37.4 56.0
 91 12.9 46.3 69.5#
 77 15.3 20.6 30.8#





#79

Naphthalene

Concen: 0.036 ppbv

RT: 22.28 min Scan# 6063

Delta R.T. -0.01 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

Instrument :

MSVOA_L

ClientSampleId :

5S-TE

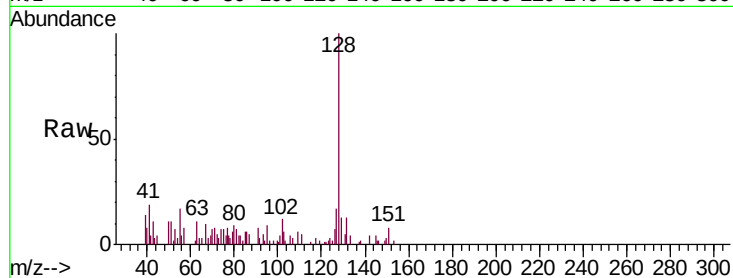
Tgt Ion:128 Resp: 9122

Ion Ratio Lower Upper

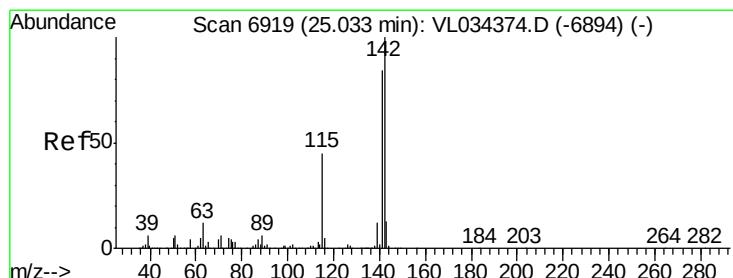
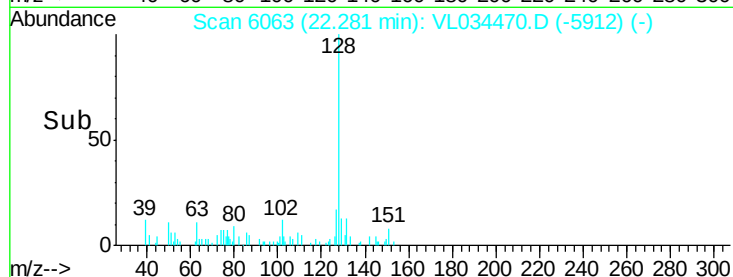
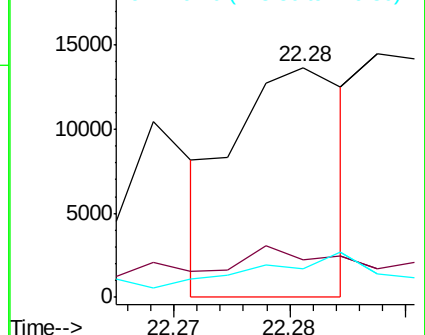
128 100

127 12.5 11.0 16.6

129 10.8 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.063 ppbv

RT: 25.03 min Scan# 6919

Delta R.T. -0.00 min

Lab File: VL034470.D

Acq: 9 Dec 2019 18:47

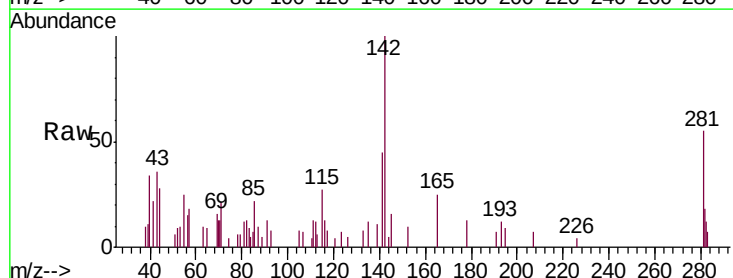
Tgt Ion:142 Resp: 7223

Ion Ratio Lower Upper

142 100

141 74.5 67.1 100.7

115 67.6 36.6 54.8#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

