

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034409.D
 Acq On : 25 Nov 2019 17:02
 Operator : SY/AP
 Sample : K5971-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 26 00:44:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

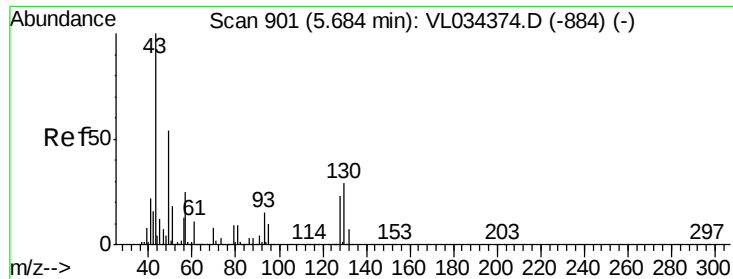
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	952261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1864236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1826204	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1569178	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	148649	0.863	ppbv	98
3) Chlorodifluoromethane	2.93	51	128570	1.082	ppbv #	69
4) Chloromethane	3.11	50	35194	0.502	ppbv #	86
8) Dichlorotetrafluoroethane	3.02	85	148649	0.961	ppbv #	18
9) Propene	3.18	41	248148	4.704	ppbv	99
10) Heptane	8.15	43	73629	0.541	ppbv	98
11) Trichlorofluoromethane	3.94	101	36968	0.216	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3751	0.033	ppbv #	3
13) Ethanol	3.60	45	3768076	256.441	ppbv	95
15) Acetone	3.83	43	1662470	12.192	ppbv	100
16) 1,3-Butadiene	3.33	39	12595	0.212	ppbv #	37
17) tert-Butyl alcohol	3.98	59	321791	2.807	ppbv	95
19) Isopropyl Alcohol	3.97	45	7218992	82.594	ppbv #	99
20) Methylene Chloride	4.34	84	58499	1.210	ppbv	92
21) Allyl Chloride	4.18	41	35878	0.439	ppbv #	1
23) Vinyl Acetate	5.06	43	42739	0.240	ppbv #	80
25) Ethyl Acetate	5.69	43	223583	0.919	ppbv	98
26) Hexane	5.70	57	97765	0.935	ppbv	96
29) Chloroform	5.76	83	36018	0.213	ppbv	86
30) Cyclohexane	7.15	84	10031	0.127	ppbv #	1
34) 2-Butanone	5.25	43	61466	0.401	ppbv	97
35) Carbon Tetrachloride	7.04	117	7973	0.050	ppbv	96
36) Benzene	6.92	78	19075	0.102	ppbv #	86
39) 1,2-Dichloropropane	7.20	63	554840	7.728	ppbv #	24
44) 2,2,4-Trimethylpentane	7.90	57	35783	0.105	ppbv #	55
53) Toluene	9.84	91	715660	3.381	ppbv	99
58) Ethyl Benzene	13.01	91	34333	0.121	ppbv	90
59) m/p-Xylene	13.04	91	21802	0.089	ppbv #	33
60) o-Xylene	13.75	91	15333	0.063	ppbv #	33
75) 1,3-Dichlorobenzene	17.20	146	40598	0.243	ppbv	93
76) 1,4-Dichlorobenzene	17.20	146	40598	0.250	ppbv	93

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

ClientSampled :

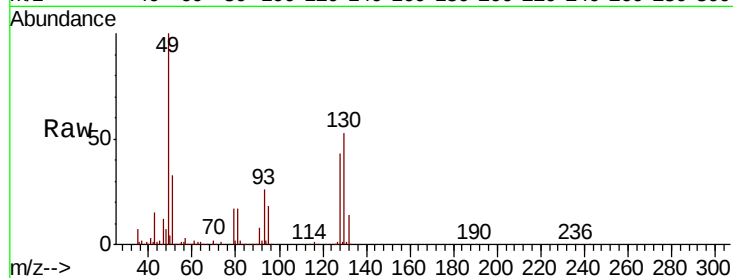
Tot Ion: 49 Resp: 952261

Ion Ratio Lower Upper

49 100

128 43.2 21.8 65.3

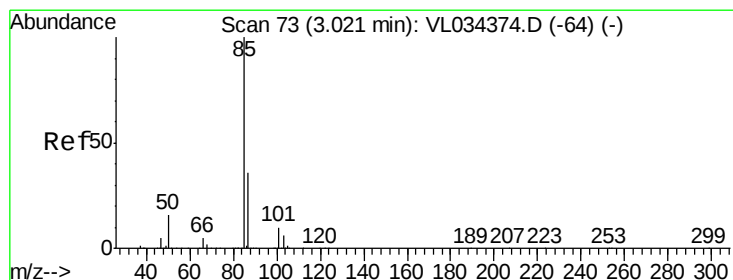
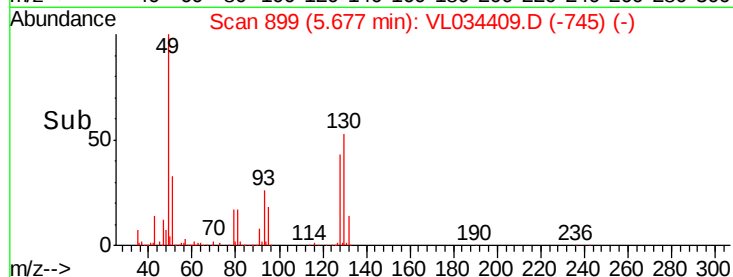
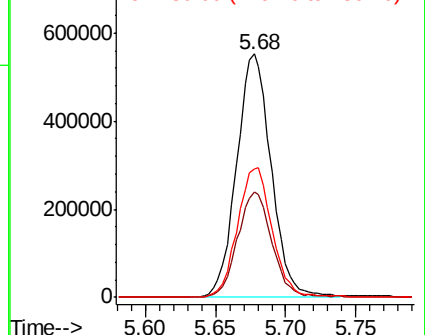
130 53.7 28.0 84.0



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: 0.863 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034409.D

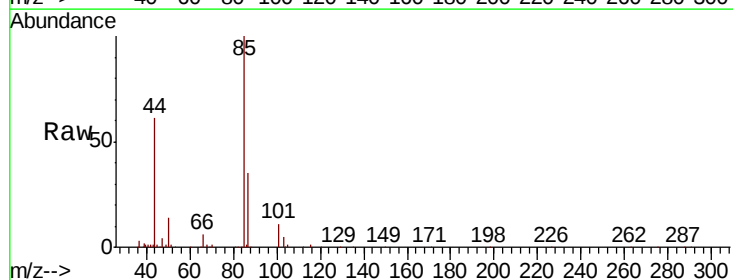
Acq: 25 Nov 2019 17:02

Tgt Ion: 85 Resp: 148649

Ion Ratio Lower Upper

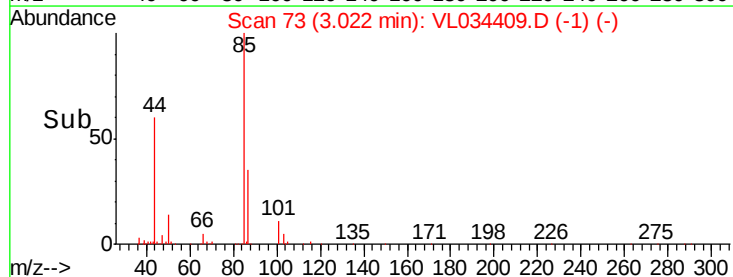
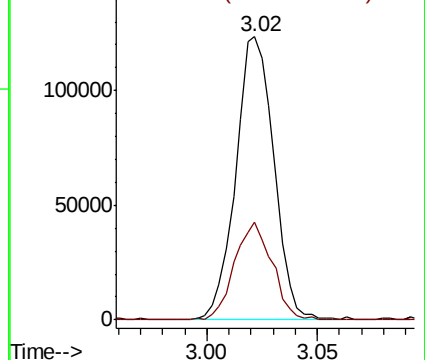
85 100

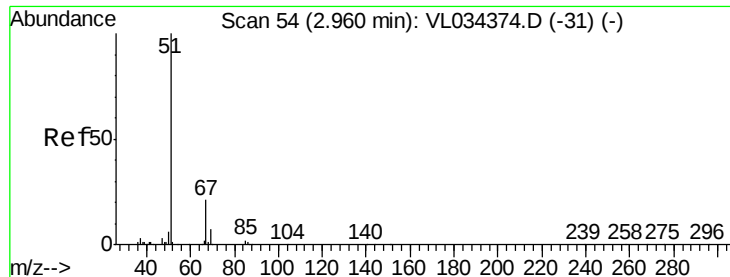
87 34.6 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.082 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.03 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

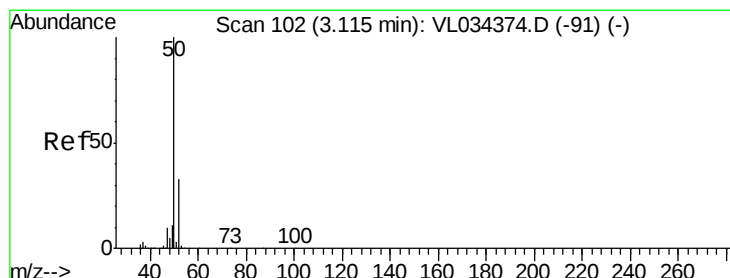
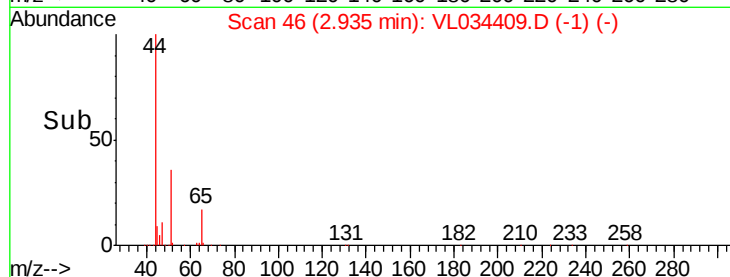
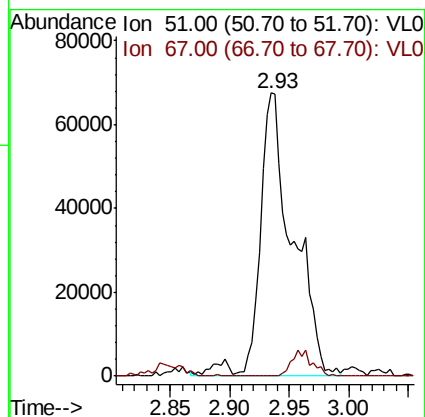
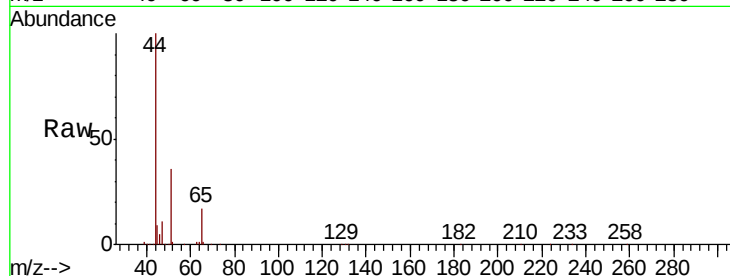
ClientSampleId :

Tot Ion: 51 Resp: 128570

Ion Ratio Lower Upper

51 100

67 5.7 16.2 24.2#



#4

Chloromethane

Concen: 0.502 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.00 min

Lab File: VL034409.D

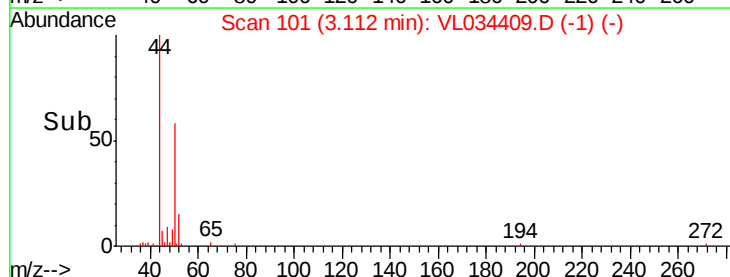
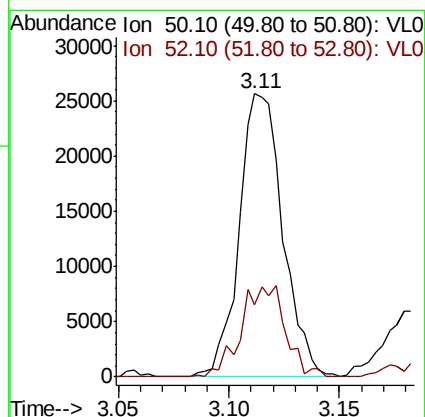
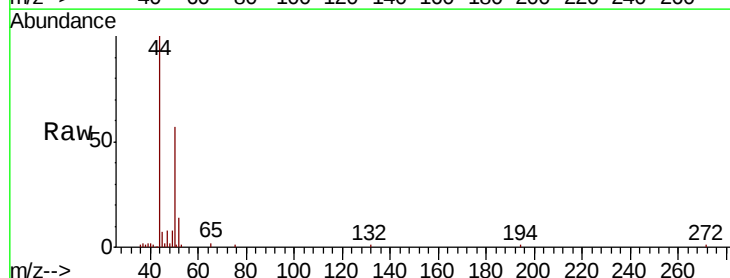
Acq: 25 Nov 2019 17:02

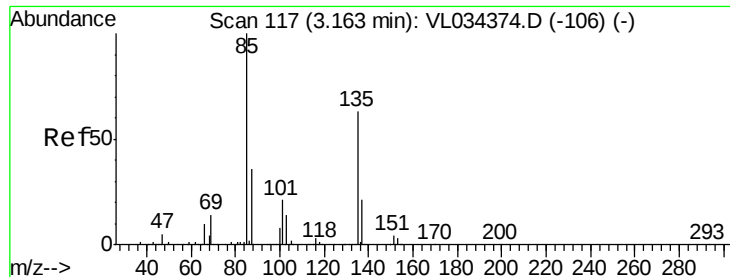
Tgt Ion: 50 Resp: 35194

Ion Ratio Lower Upper

50 100

52 25.5 26.8 40.2#





#8

Dichlorotetrafluoroethane

Concen: 0.961 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.14 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

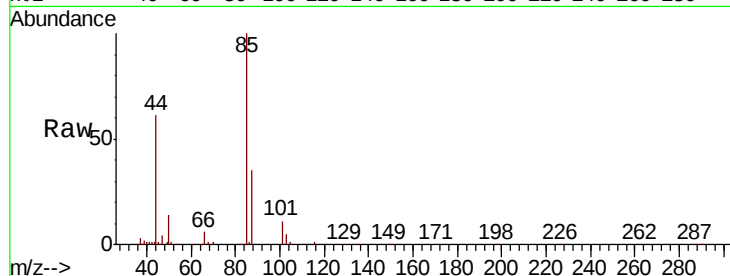
ClientSampled :

Tot Ion: 85 Resp: 148649

Ion Ratio Lower Upper

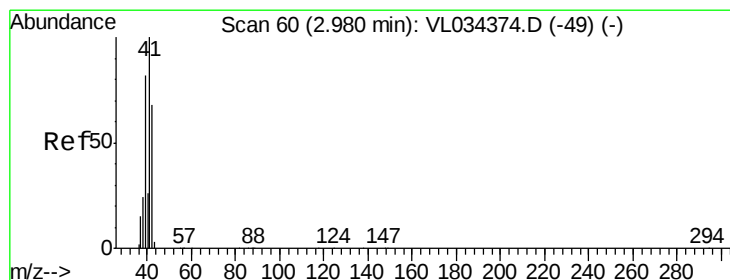
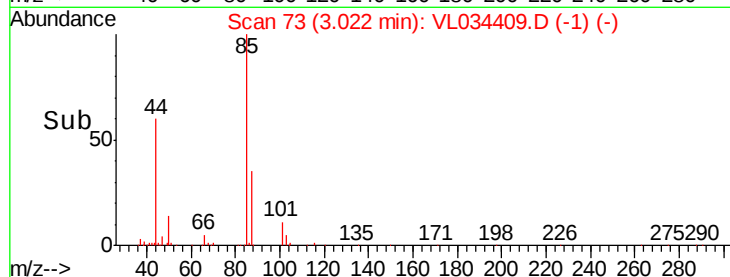
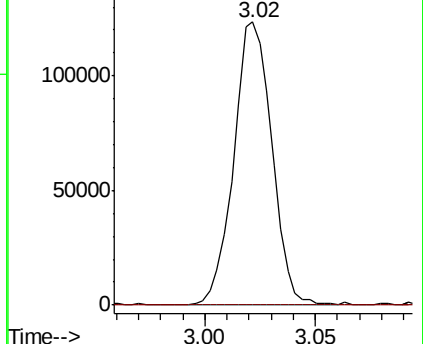
85 100

135 0.1 51.1 76.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 4.704 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.20 min

Lab File: VL034409.D

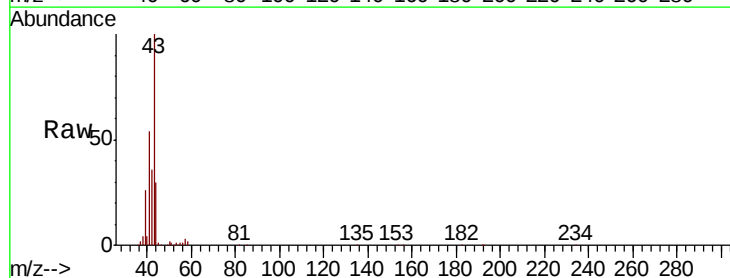
Acq: 25 Nov 2019 17:02

Tgt Ion: 41 Resp: 248148

Ion Ratio Lower Upper

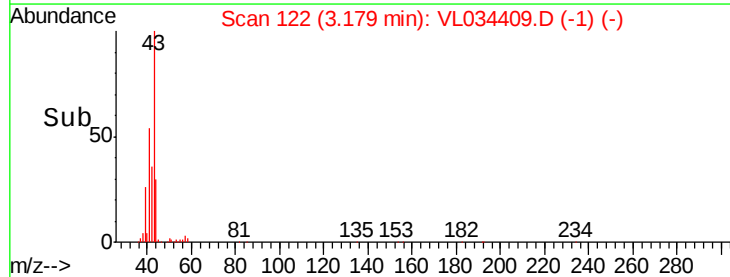
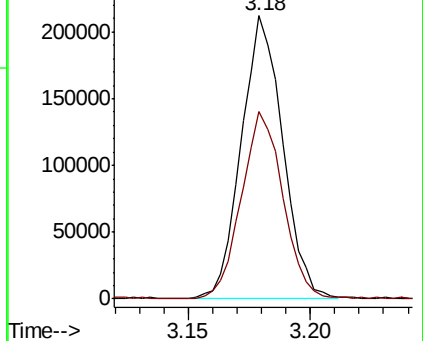
41 100

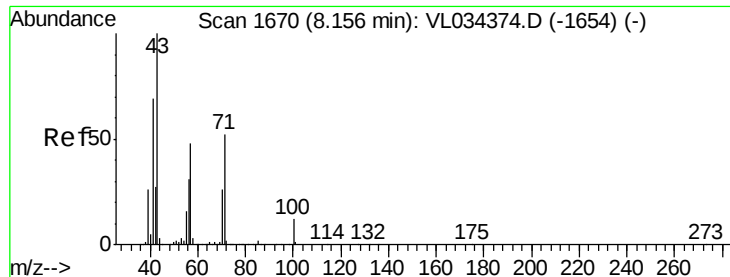
42 67.1 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.541 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. -0.00 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

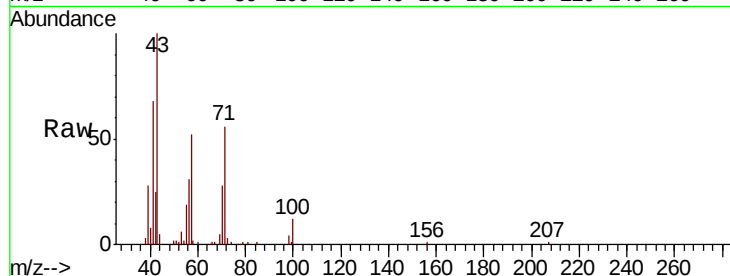
ClientSampled :

Tot Ion: 43 Resp: 73629

Ion Ratio Lower Upper

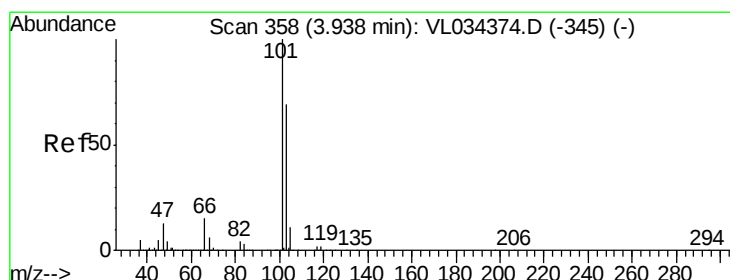
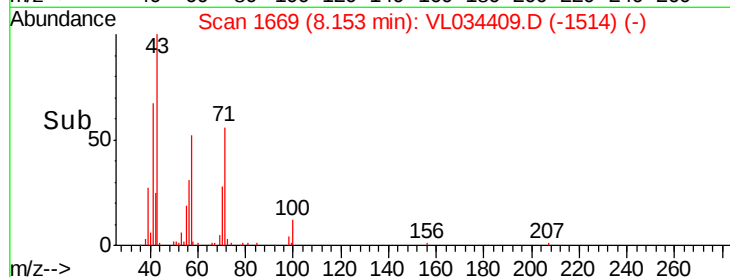
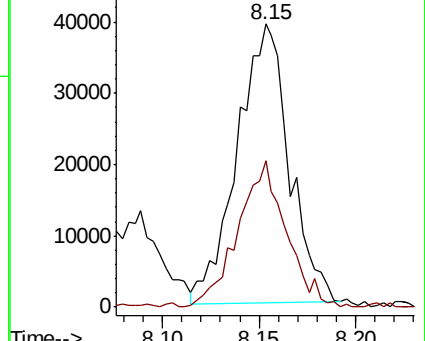
43 100

57 48.9 40.2 60.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.216 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034409.D

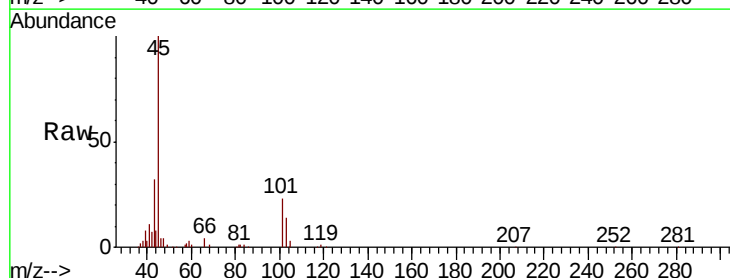
Acq: 25 Nov 2019 17:02

Tgt Ion: 101 Resp: 36968

Ion Ratio Lower Upper

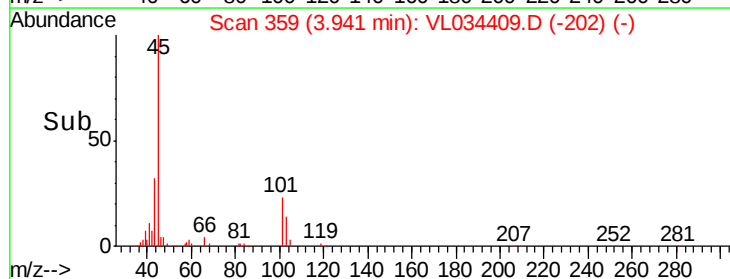
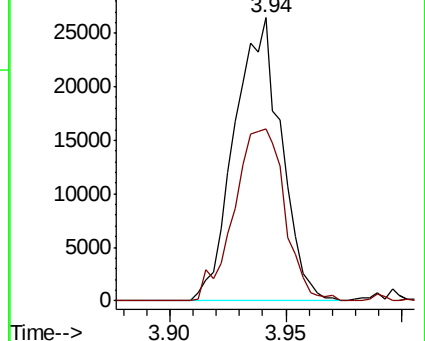
101 100

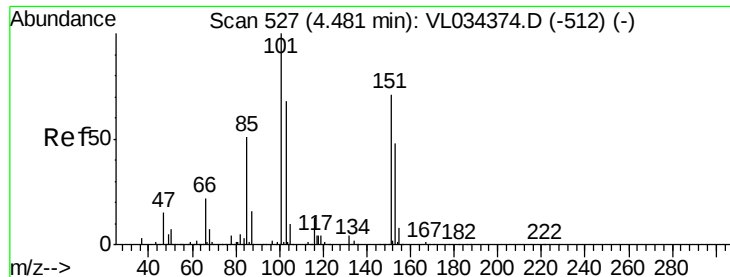
103 60.6 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.033 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

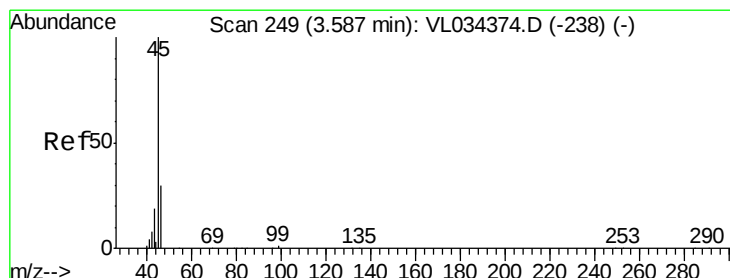
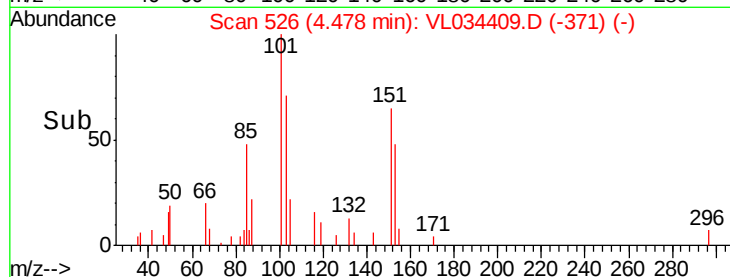
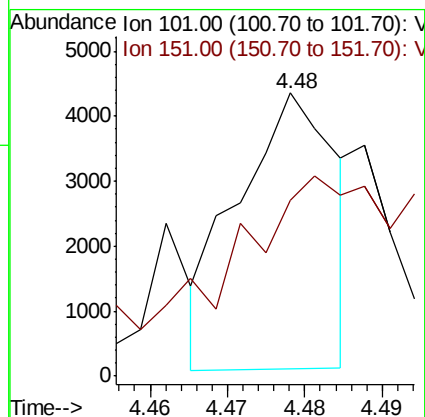
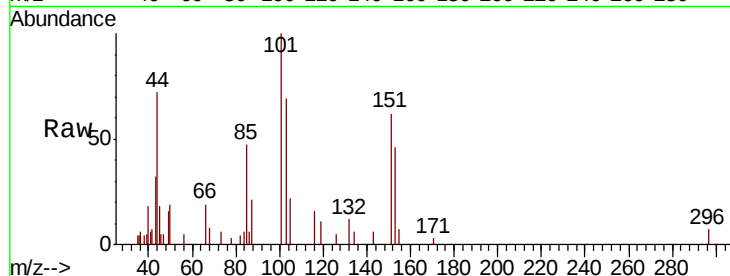
ClientSampleId :

Tot Ion:101 Resp: 3751

Ion Ratio Lower Upper

101 100

151 152.6 57.4 86.2#



#13

Ethanol

Concen: 256.441 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.02 min

Lab File: VL034409.D

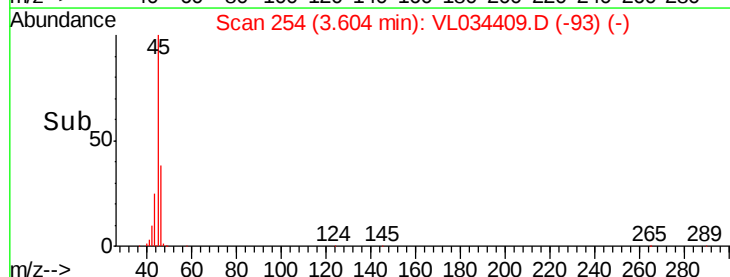
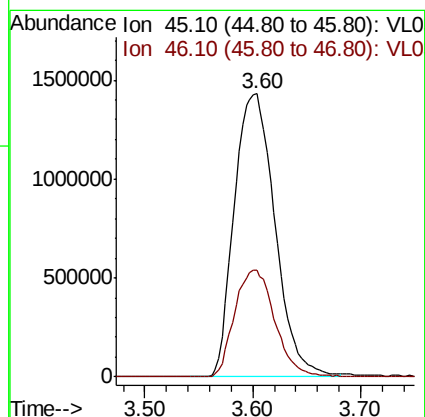
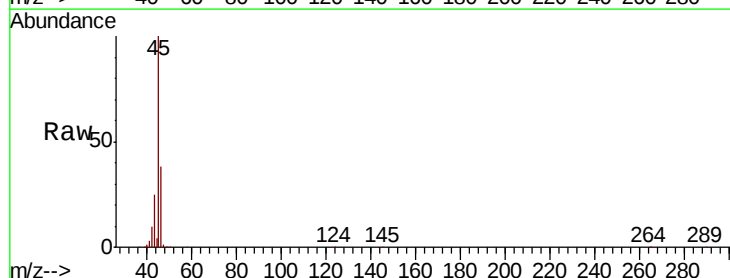
Acq: 25 Nov 2019 17:02

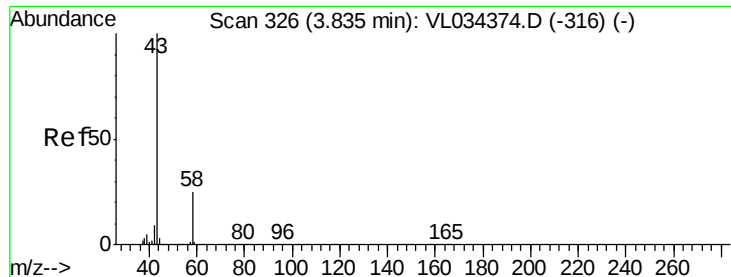
Tgt Ion: 45 Resp: 3768076

Ion Ratio Lower Upper

45 100

46 37.4 13.8 55.4





#15

Acetone

Concen: 12.192 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.00 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

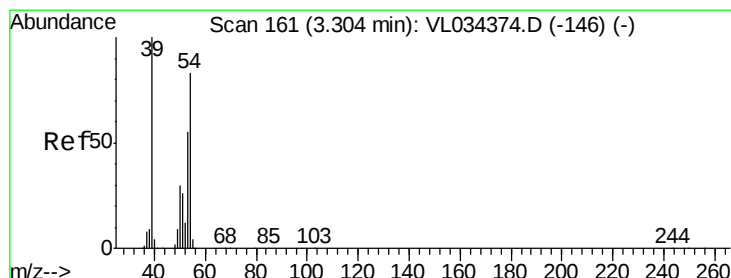
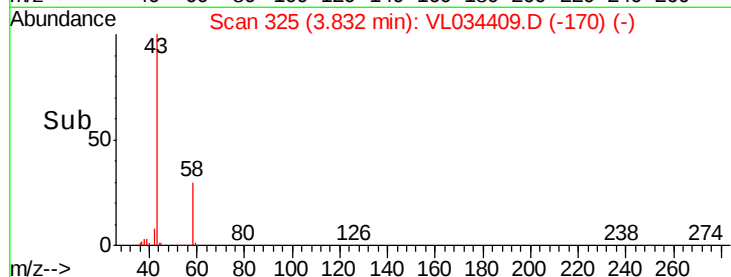
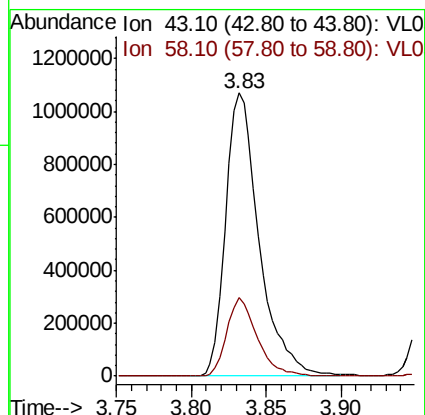
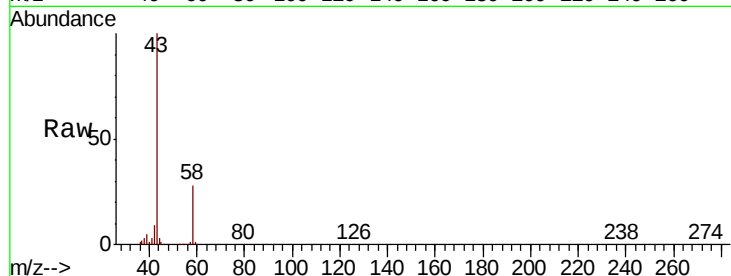
ClientSampleId :

Tot Ion: 43 Resp: 1662470

Ion Ratio Lower Upper

43 100

58 25.5 20.2 30.4



#16

1,3-Butadiene

Concen: 0.212 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.02 min

Lab File: VL034409.D

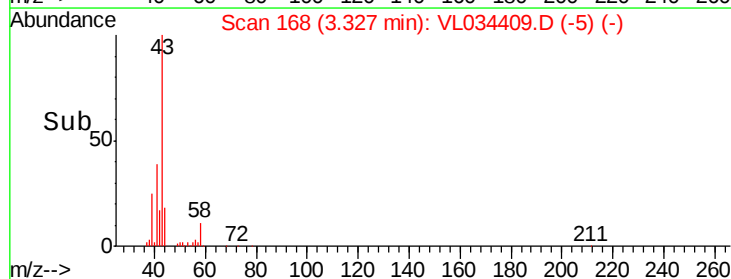
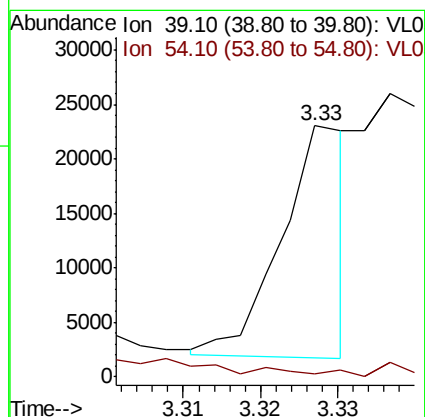
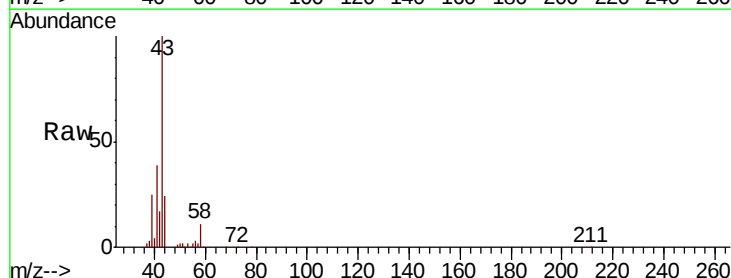
Acq: 25 Nov 2019 17:02

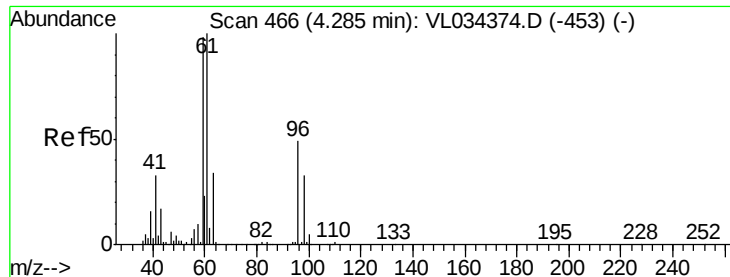
Tgt Ion: 39 Resp: 12595

Ion Ratio Lower Upper

39 100

54 25.0 64.7 97.1#

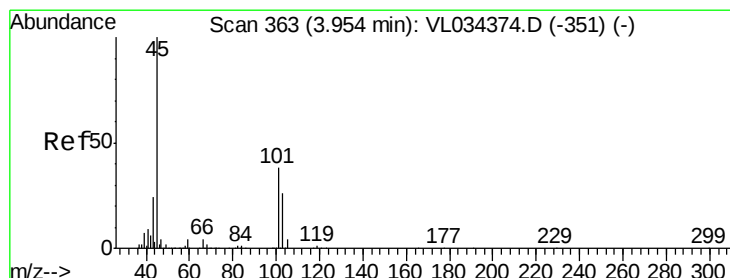
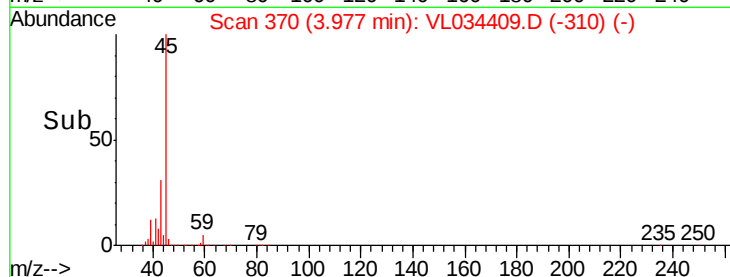
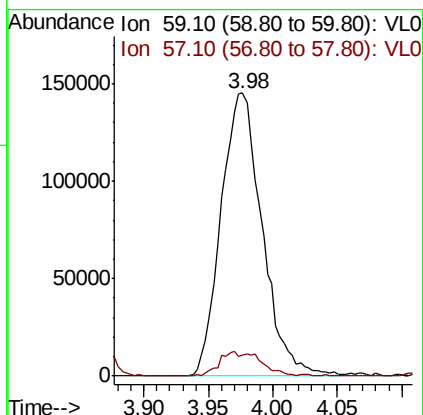
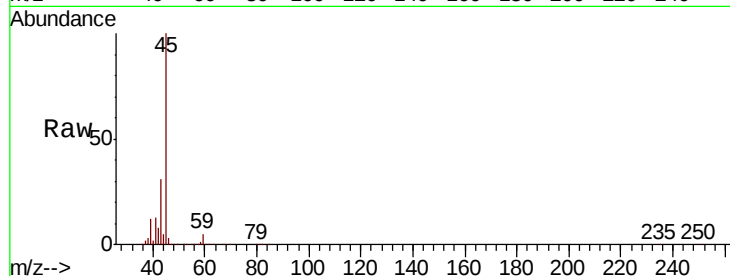




#17
 tert-Butyl alcohol
 Concen: 2.807 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. -0.31 min
 Lab File: VL034409.D
 Acq: 25 Nov 2019 17:02

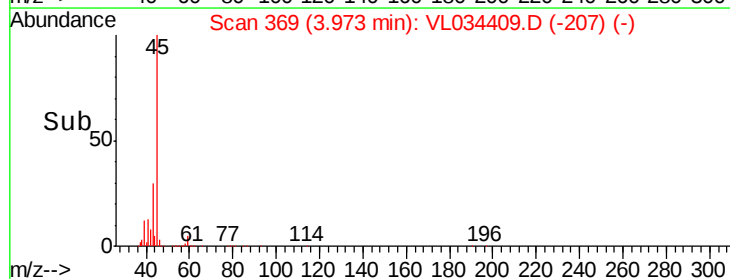
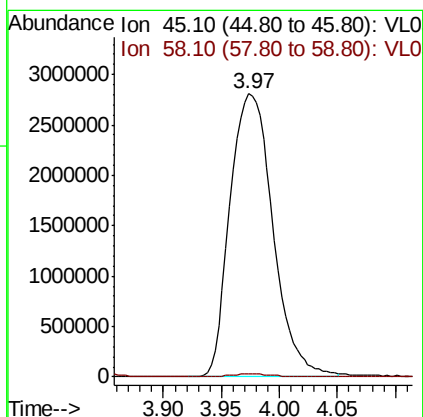
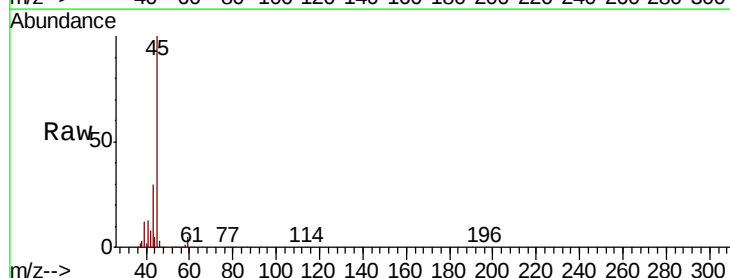
Instrument :
 MSVOA_L
 ClientSampleId :

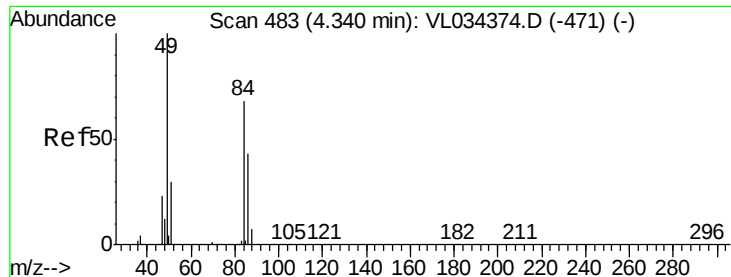
Tot Ion: 59 Resp: 321791
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.8 13.2



#19
 Isopropyl Alcohol
 Concen: 82.594 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL034409.D
 Acq: 25 Nov 2019 17:02

Tgt Ion: 45 Resp: 7218992
 Ion Ratio Lower Upper
 45 100
 58 1.1 1.3 1.9#

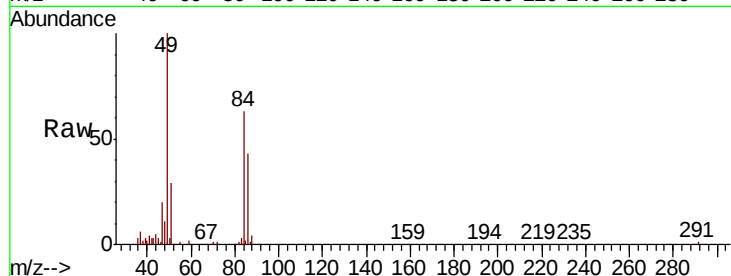




#20
Methylene Chloride
Concen: 1.210 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	58499
Ion	Ratio	Lower	Upper
84	100		
49	159.1	116.8	175.2
51	46.9	35.6	53.4
86	68.4	50.7	76.1



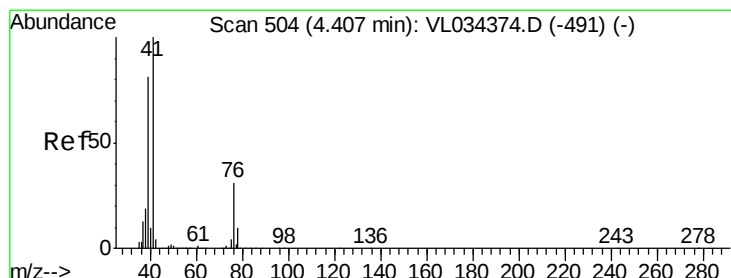
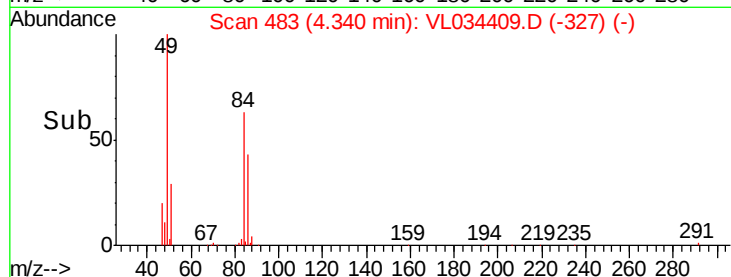
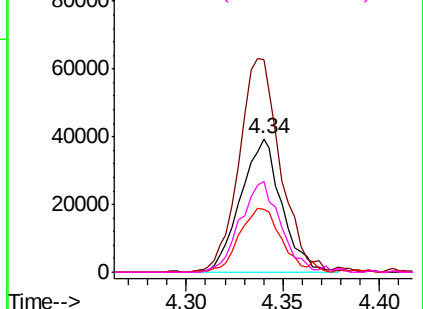
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

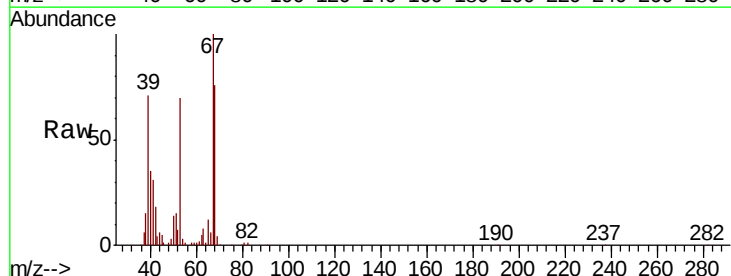
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.439 ppbv
RT: 4.18 min Scan# 433
Delta R.T. -0.23 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

Tgt Ion:	41	Resp:	35878
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.2#
39	240.0	66.9	100.3#

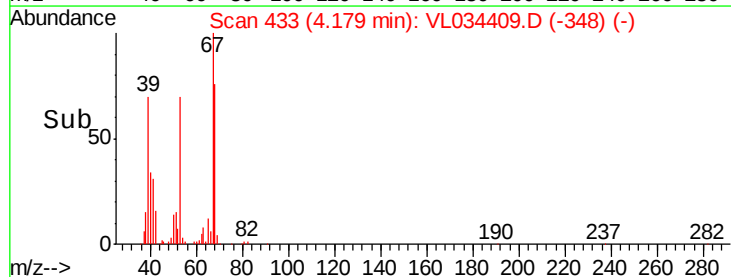
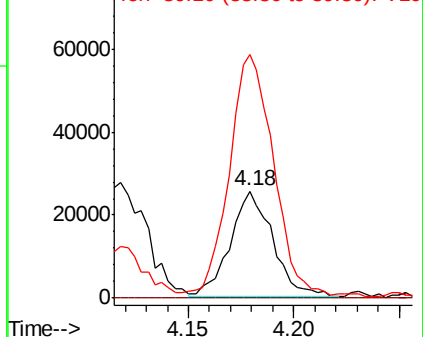


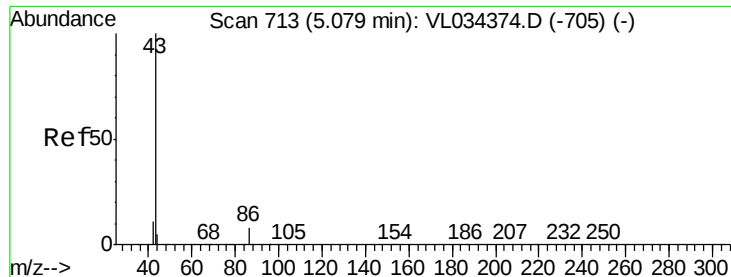
Abundance

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: 0.240 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 42739

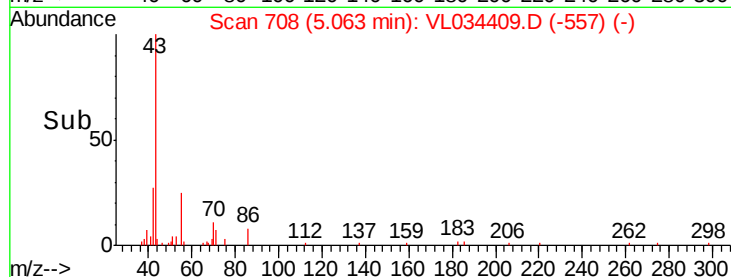
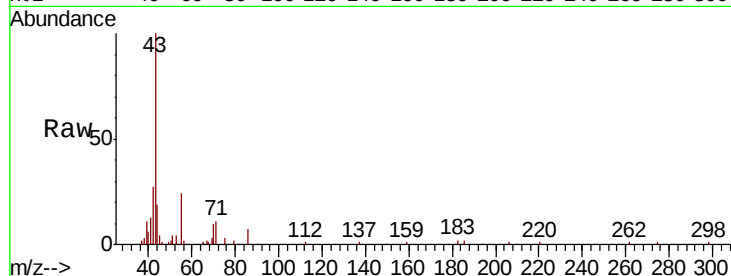
Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.6

42 24.8 8.9 13.3#

44 9.8 4.0 6.0#

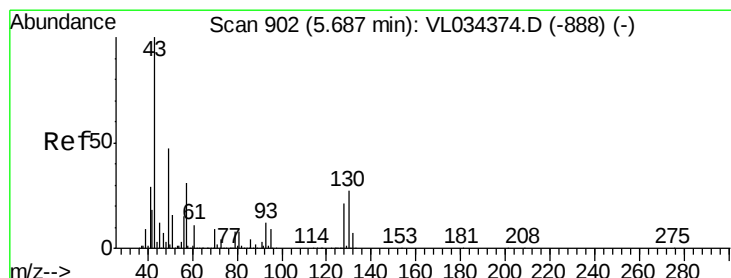
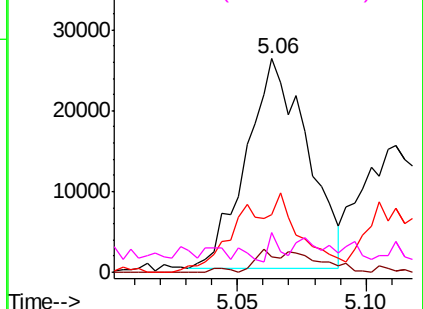


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.919 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Tgt Ion: 43 Resp: 223583

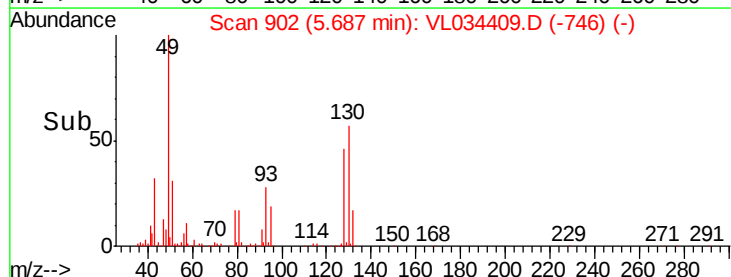
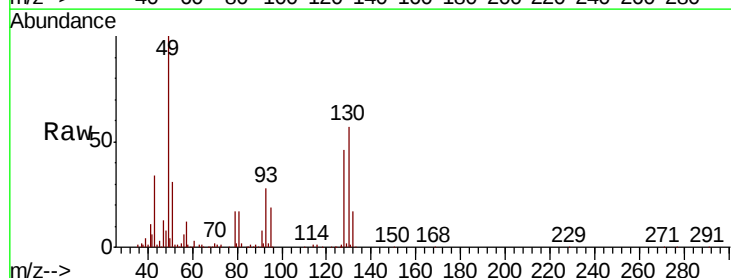
Ion Ratio Lower Upper

43 100

45 11.1 8.2 12.4

61 8.8 7.5 11.3

70 6.5 5.7 8.5

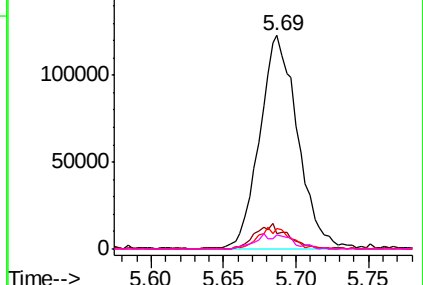


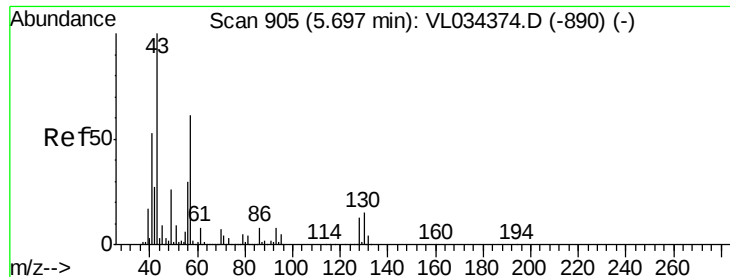
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.935 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 97765

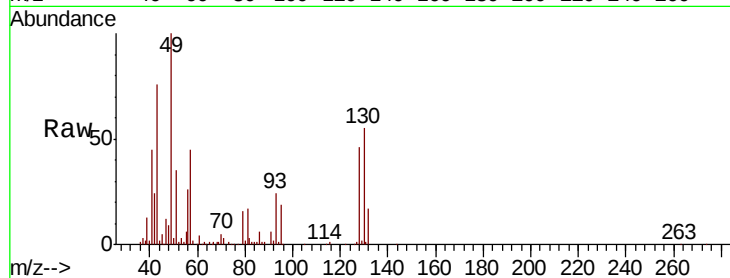
Ion	Ratio	Lower	Upper
57	100		
41	100.3	75.0	112.4
43	230.2	186.6	279.8
56	56.7	41.5	62.3

57 100

41 100.3 75.0 112.4

43 230.2 186.6 279.8

56 56.7 41.5 62.3

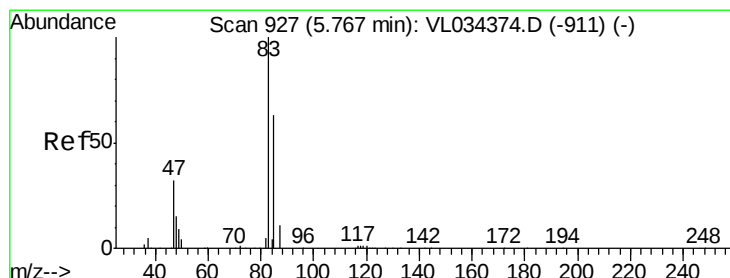
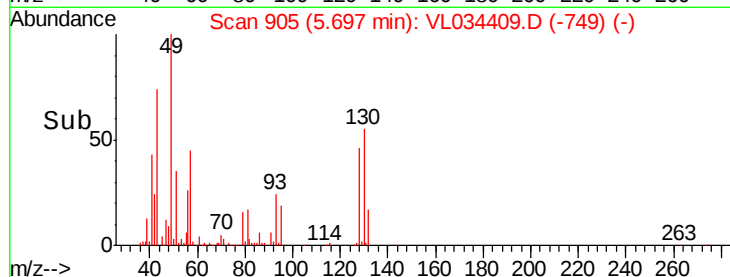
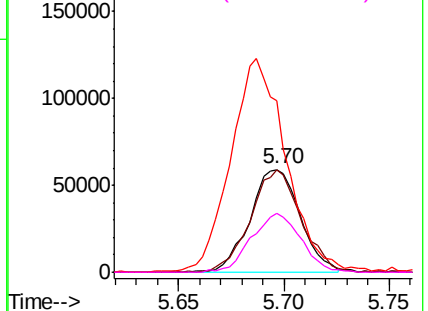


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#29

Chloroform

Concen: 0.213 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.01 min

Lab File: VL034409.D

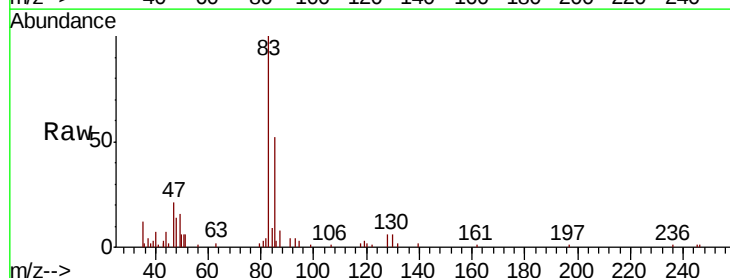
Acq: 25 Nov 2019 17:02

Tgt Ion: 83 Resp: 36018

Ion	Ratio	Lower	Upper
83	100		
85	51.9	50.4	75.6

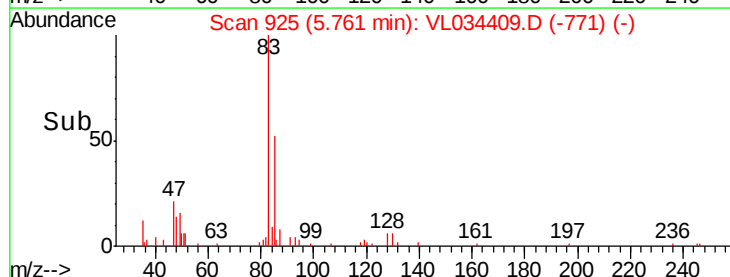
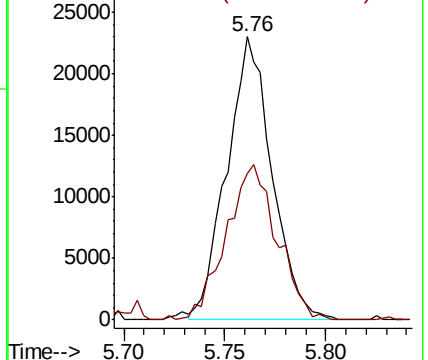
83 100

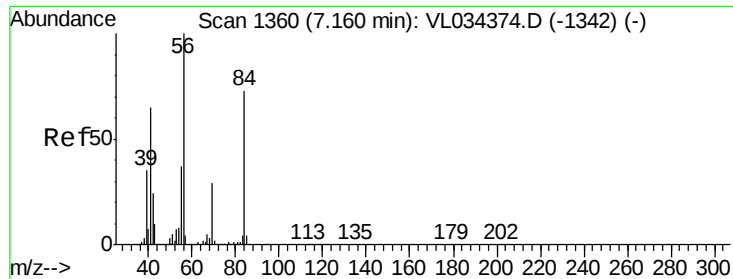
85 51.9 50.4 75.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

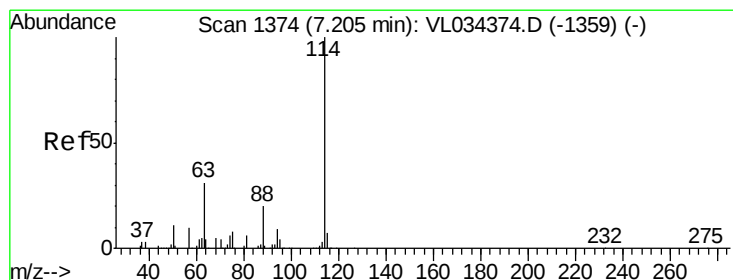
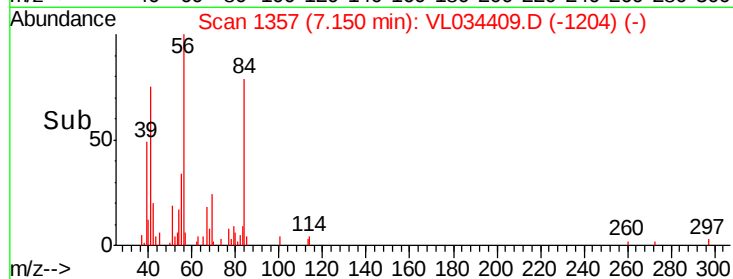
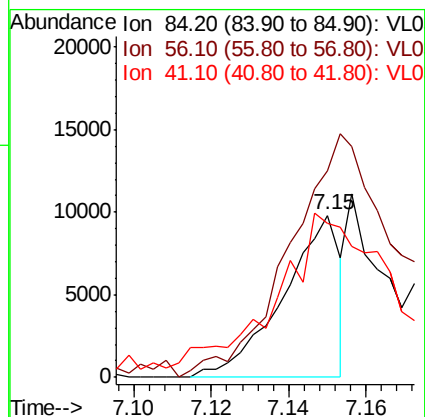
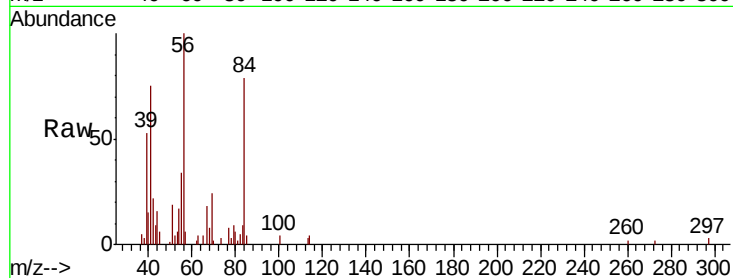




#30
Cvclohexane
Concen: 0.127 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

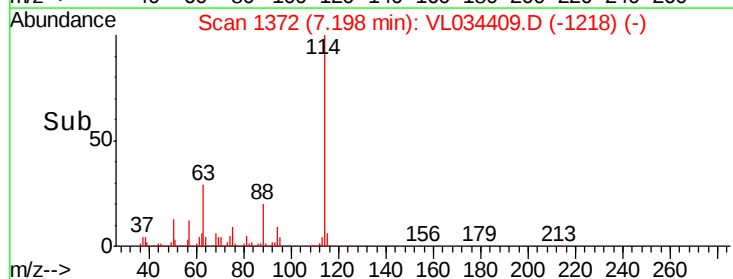
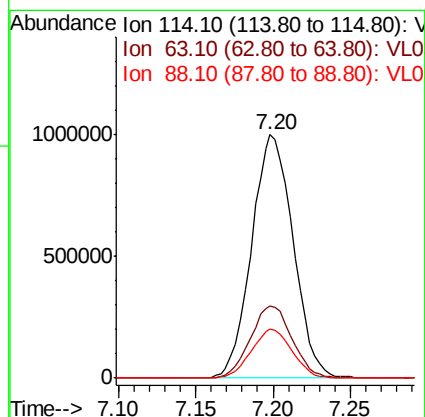
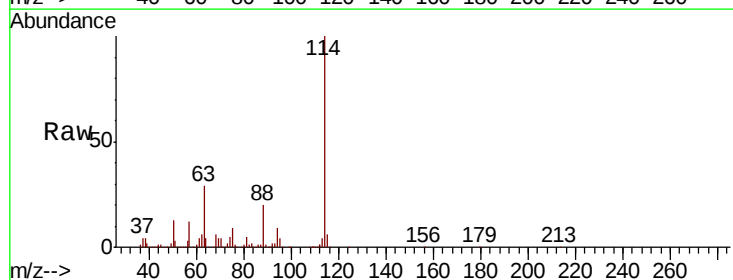
Instrument :
MSVOA_L
ClientSampleId :

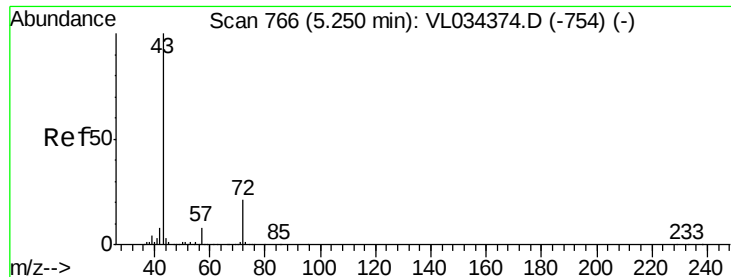
Tot Ion: 84 Resp: 10031
Ion Ratio Lower Upper
84 100
56 0.0 112.6 169.0#
41 197.2 73.4 110.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

Tgt Ion:114 Resp: 1864236
Ion Ratio Lower Upper
114 100
63 30.0 24.2 36.4
88 19.8 15.9 23.9

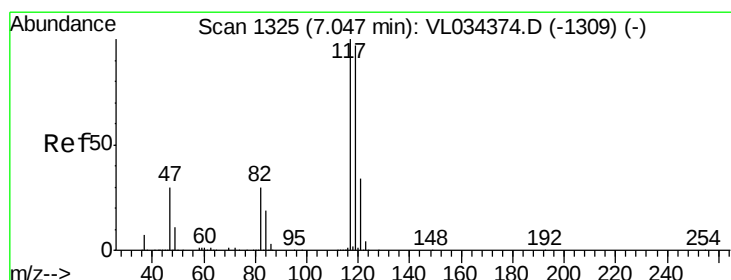
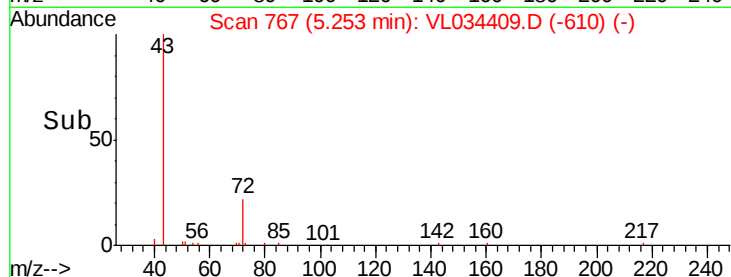
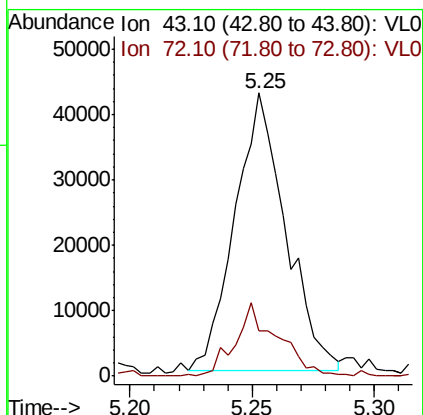
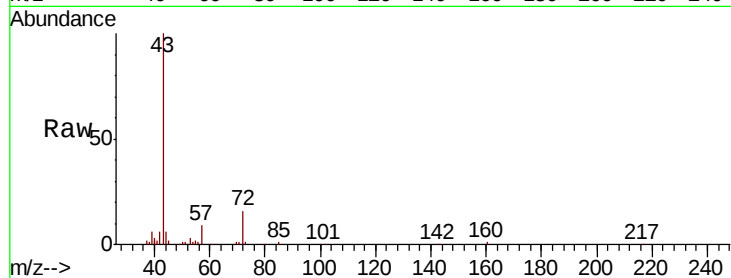




#34
2-Butanone
Concen: 0.401 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

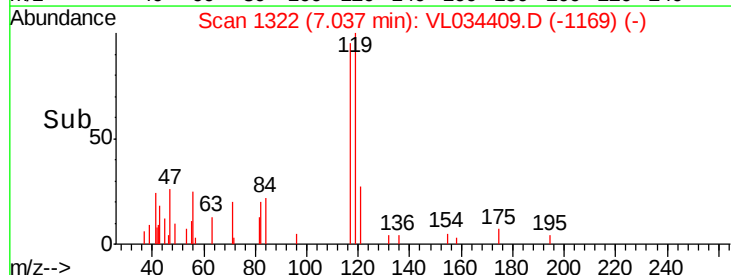
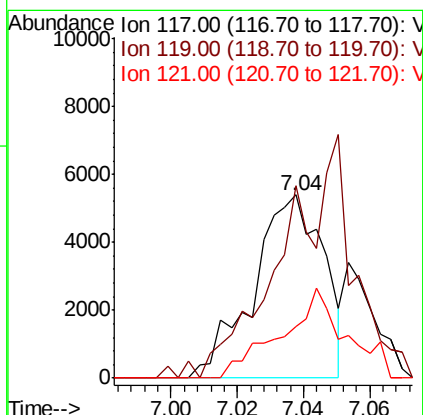
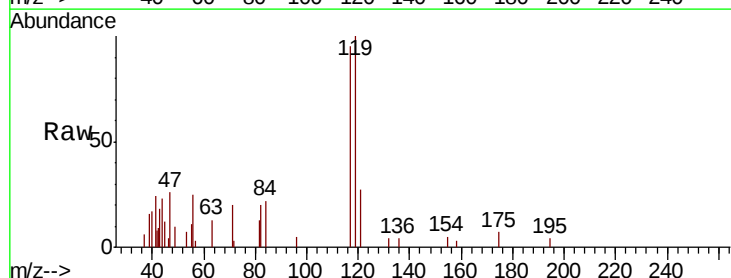
Instrument :
MSVOA_L
ClientSampleId :

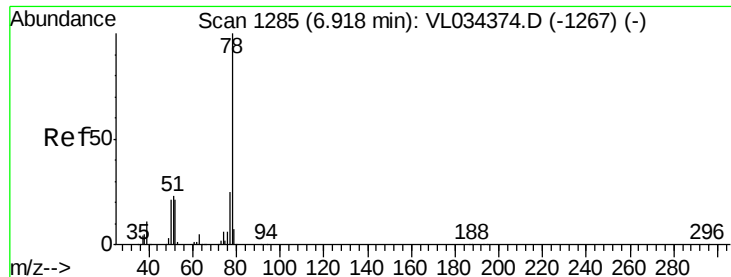
Tot Ion: 43 Resp: 61466
Ion Ratio Lower Upper
43 100
72 22.6 17.0 25.6



#35
Carbon Tetrachloride
Concen: 0.050 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

Tgt Ion: 117 Resp: 7973
Ion Ratio Lower Upper
117 100
119 95.1 77.3 115.9
121 27.9 27.4 41.2

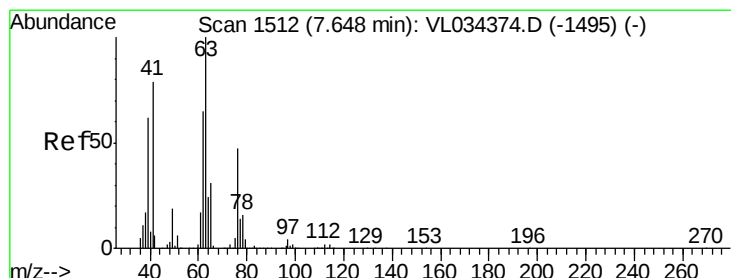
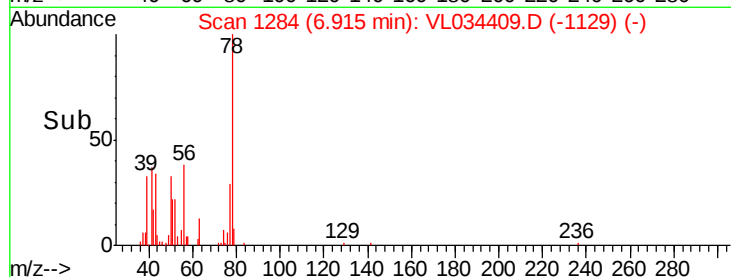
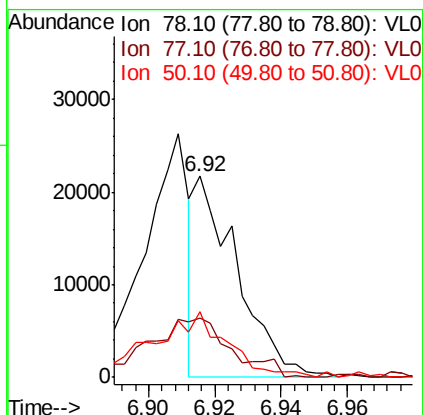
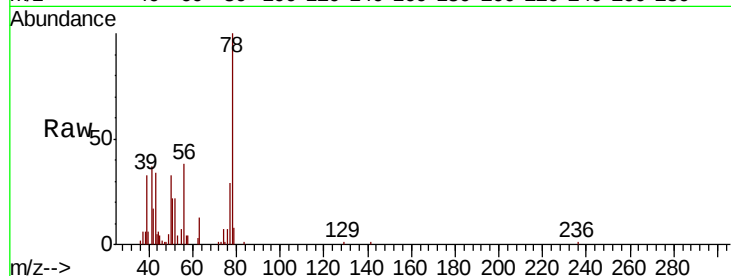




#36
Benzene
Concen: 0.102 ppbv
RT: 6.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

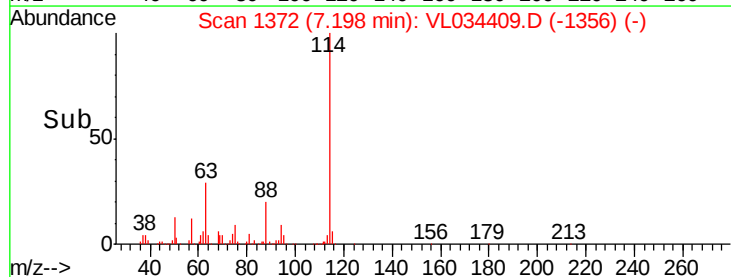
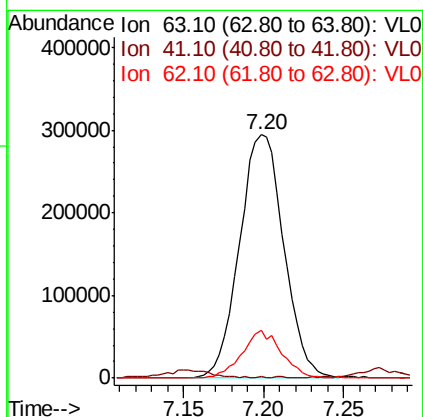
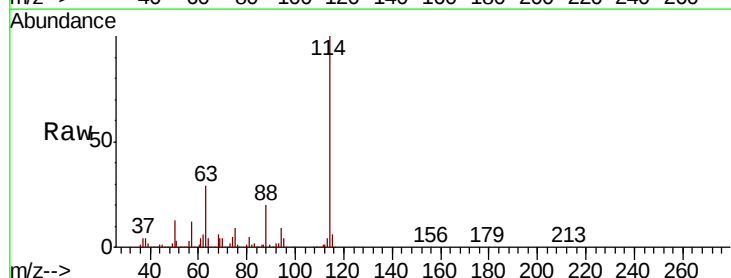
Instrument :
MSVOA_L
ClientSampleId :

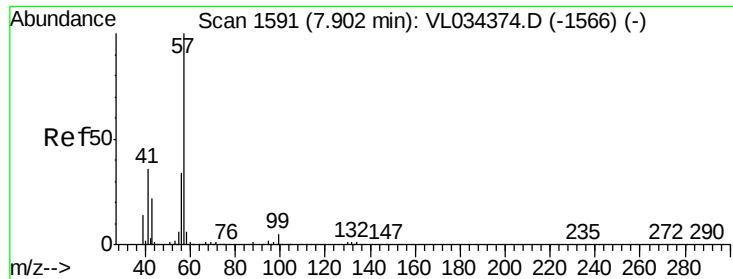
Tot Ion: 78 Resp: 19075
Ion Ratio Lower Upper
78 100
77 28.1 20.2 30.4
50 32.6 17.1 25.7#



#39
1,2-Dichloropropane
Concen: 7.728 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.45 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

Tgt Ion: 63 Resp: 554840
Ion Ratio Lower Upper
63 100
41 0.0 63.1 94.7#
62 19.3 52.3 78.5#

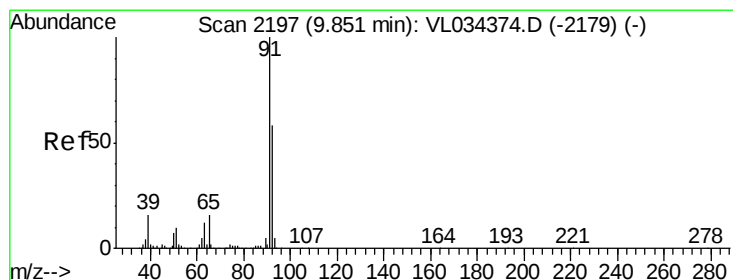
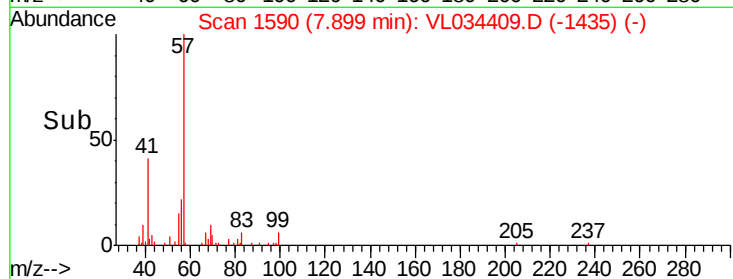
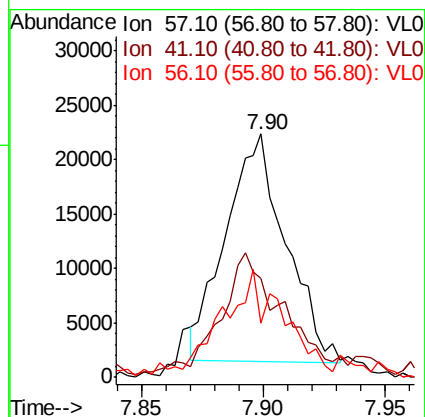
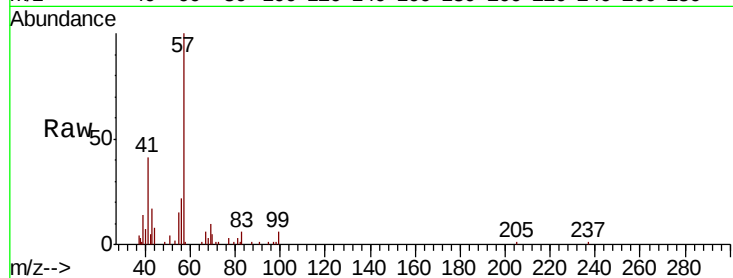




#44
 2,2,4-Trimethylpentane
 Concen: 0.105 ppbv
 RT: 7.90 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VL034409.D
 Acq: 25 Nov 2019 17:02

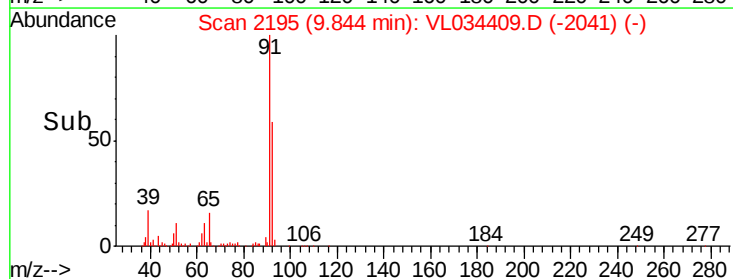
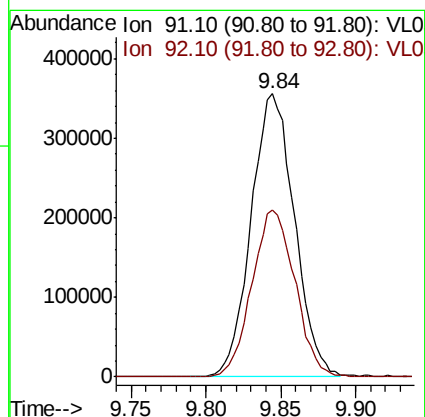
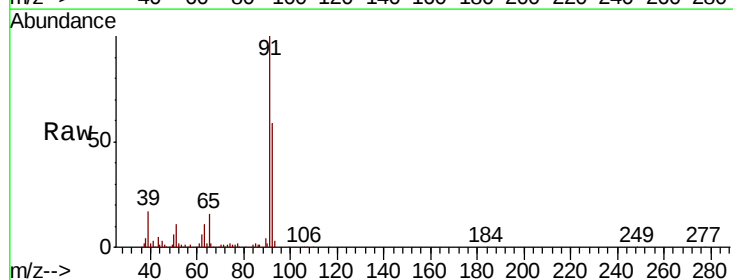
Instrument :
 MSVOA_L
 ClientSampled :

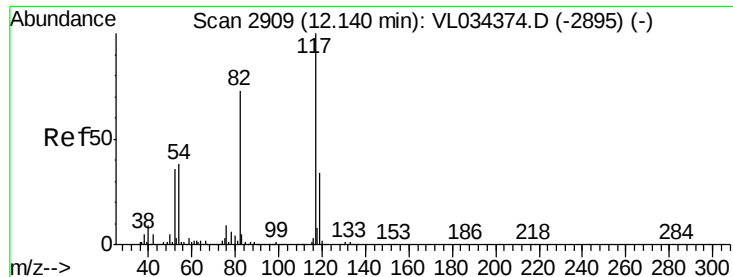
Tot Ion	57	Resp	35783
Ion	Ratio	Lower	Upper
57	100		
41	63.0	28.6	42.8#
56	55.2	25.3	37.9#



#53
 Toluene
 Concen: 3.381 ppbv
 RT: 9.84 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VL034409.D
 Acq: 25 Nov 2019 17:02

Tgt Ion	91	Resp	715660
Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.9	71.9

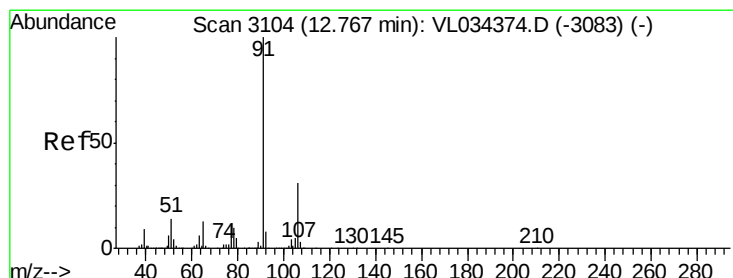
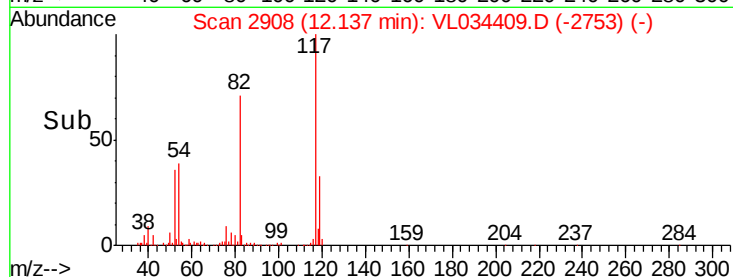
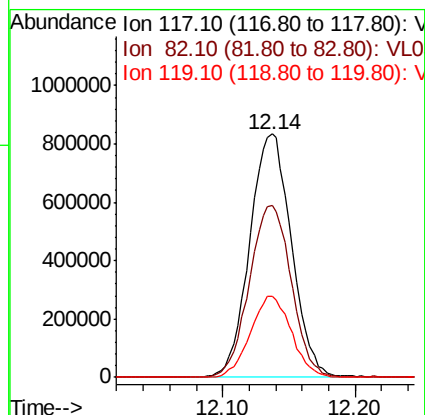
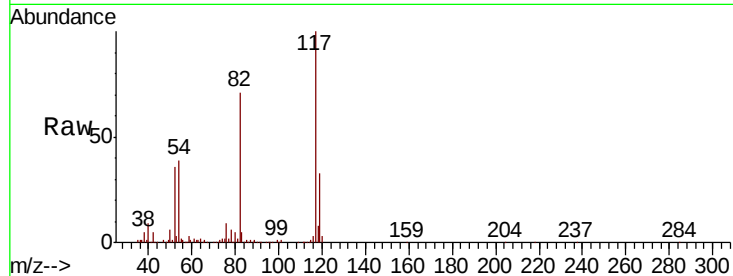




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

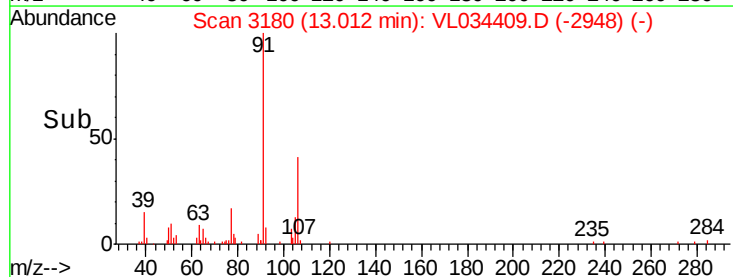
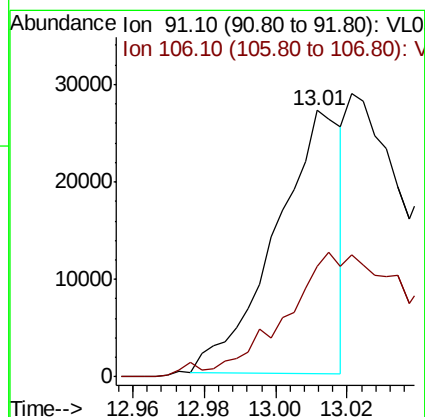
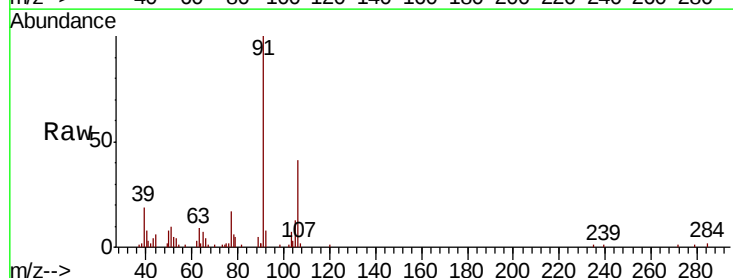
Instrument :
MSVOA_L
ClientSampleId :

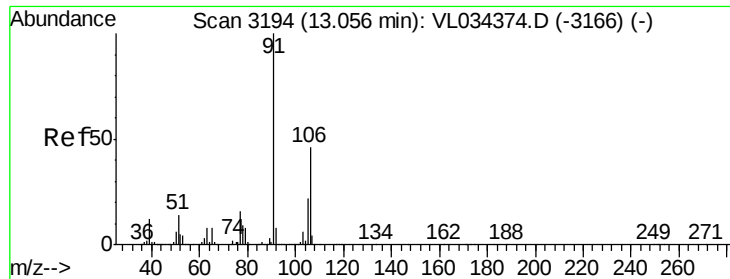
Tot Ion:117 Resp: 1826204
Ion Ratio Lower Upper
117 100
82 71.3 57.5 86.3
119 32.9 25.4 38.2



#58
Ethyl Benzene
Concen: 0.121 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.24 min
Lab File: VL034409.D
Acq: 25 Nov 2019 17:02

Tgt Ion: 91 Resp: 34333
Ion Ratio Lower Upper
91 100
106 36.4 24.8 37.2





#59

m/p-Xylene

Concen: 0.089 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.02 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

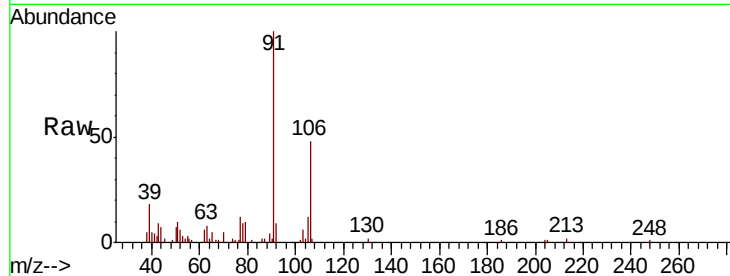
ClientSampleId :

Tot Ion: 91 Resp: 21802

Ion Ratio Lower Upper

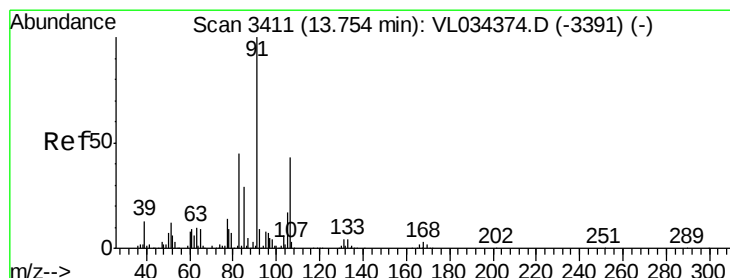
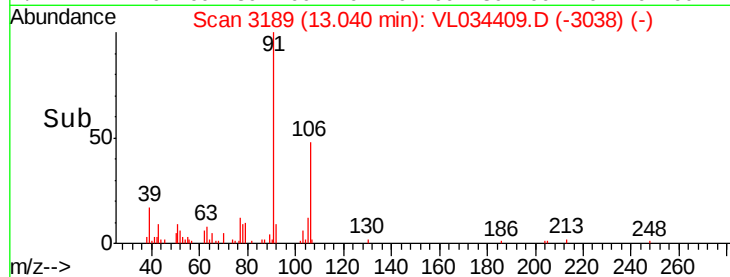
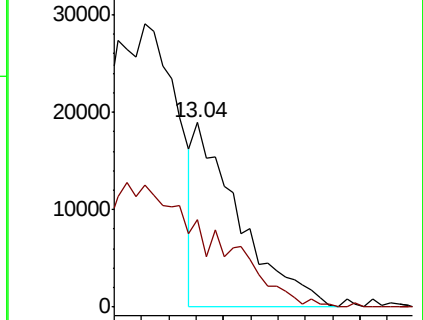
91 100

106 0.0 34.6 51.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.063 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. -0.01 min

Lab File: VL034409.D

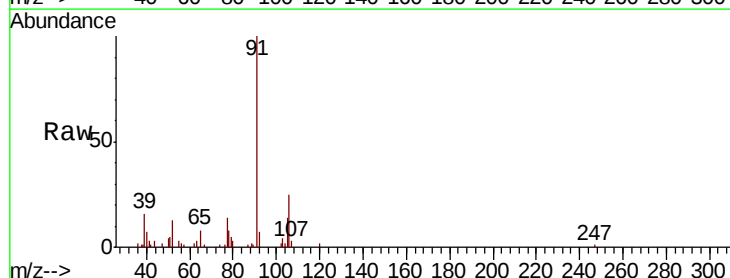
Acq: 25 Nov 2019 17:02

Tgt Ion: 91 Resp: 15333

Ion Ratio Lower Upper

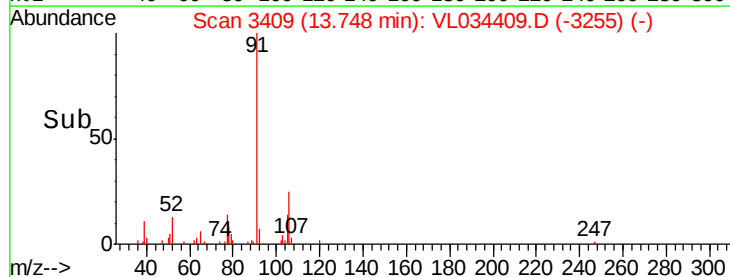
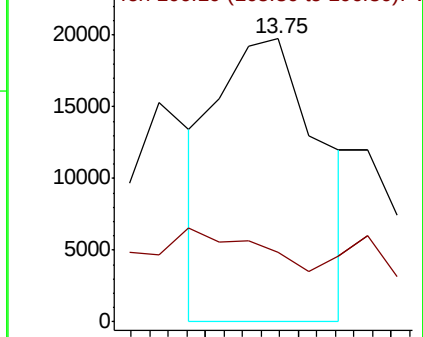
91 100

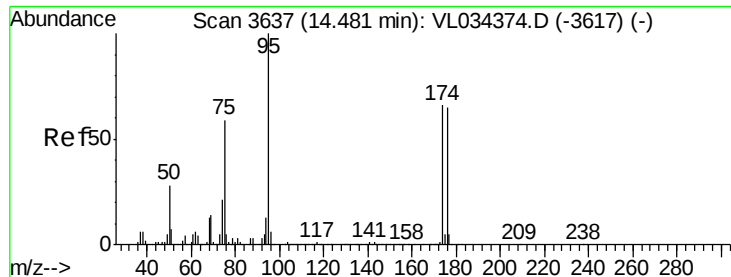
106 0.0 21.3 64.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

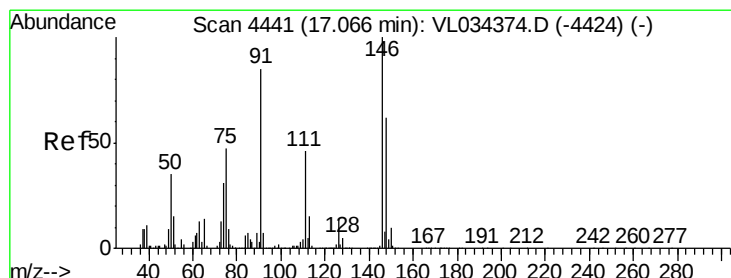
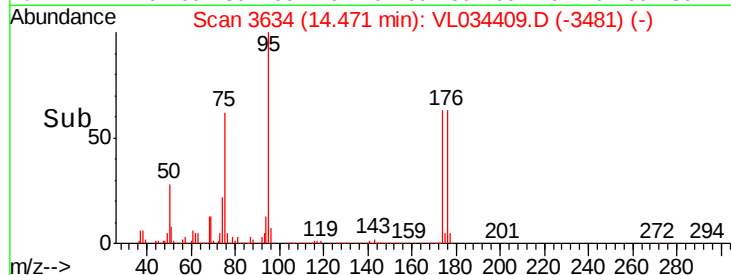
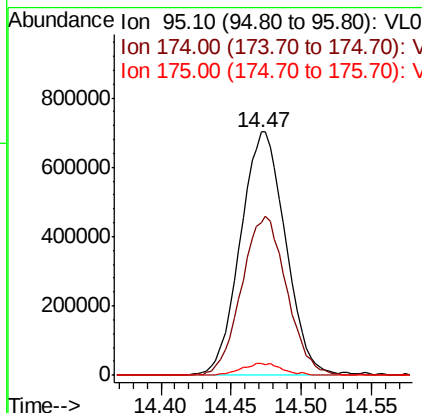
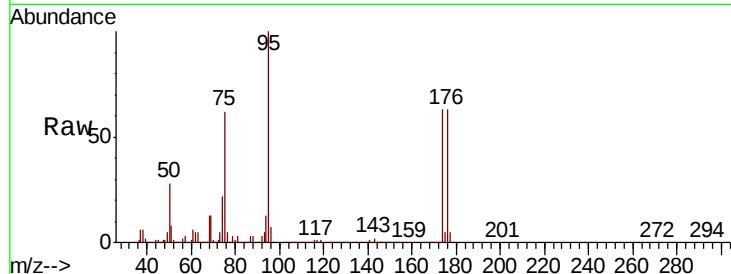




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.214 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL034409.D
 Acq: 25 Nov 2019 17:02

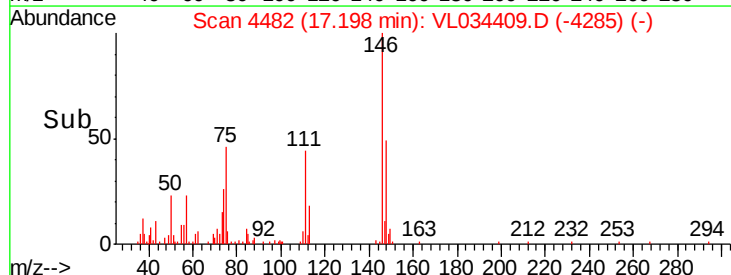
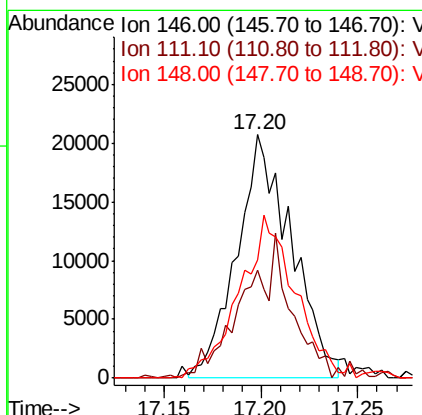
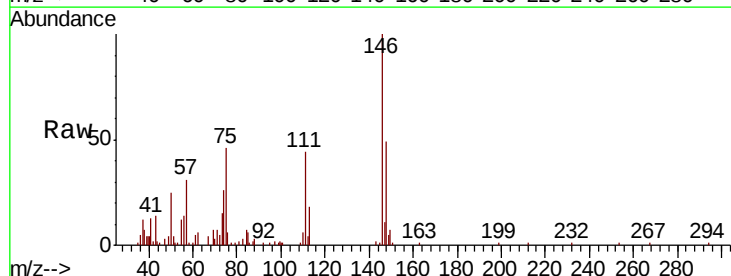
Instrument :
 MSVOA_L
 ClientSampleId :

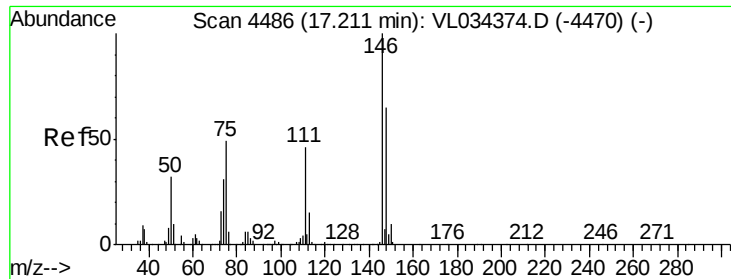
Tot Ion: 95 Resp: 1569178
 Ion Ratio Lower Upper
 95 100
 174 65.7 52.2 78.2
 175 4.7 3.8 5.8



#75
 1,3-Dichlorobenzene
 Concen: 0.243 ppbv
 RT: 17.20 min Scan# 4482
 Delta R.T. 0.13 min
 Lab File: VL034409.D
 Acq: 25 Nov 2019 17:02

Tgt Ion: 146 Resp: 40598
 Ion Ratio Lower Upper
 146 100
 111 54.1 24.4 73.4
 148 69.7 32.4 97.0





#76

1,4-Dichlorobenzene

Concen: 0.250 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. -0.01 min

Lab File: VL034409.D

Acq: 25 Nov 2019 17:02

Instrument :

MSVOA_L

ClientSampleId :

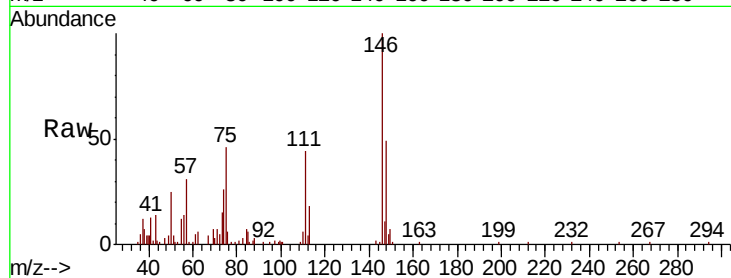
Tot Ion:146 Resp: 40598

Ion Ratio Lower Upper

146 100

111 54.1 24.1 72.3

148 69.7 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

