

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034269.D
 Acq On : 9 Oct 2019 4:29
 Operator : SY/AP
 Sample : K5243-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

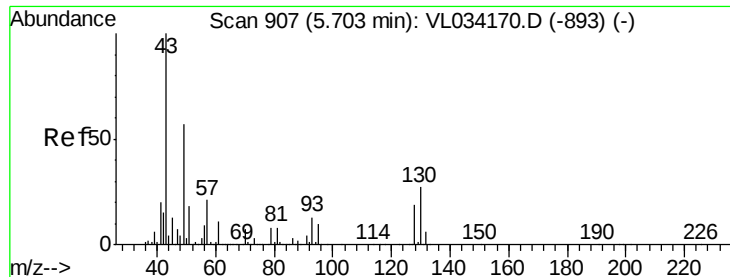
Quant Time: Oct 09 05:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1083427	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	2062934	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	2032856	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1756281	9.94	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	100682	0.629	ppbv	90
3) Chlorodifluoromethane	2.94	51	17143	0.135	ppbv #	75
8) Dichlorotetrafluoroethane	3.03	85	100682	0.713	ppbv #	21
9) Propene	2.99	41	67519	1.077	ppbv	87
10) Heptane	8.16	43	89123	0.546	ppbv #	13
11) Trichlorofluoromethane	3.94	101	11206	0.077	ppbv #	72
13) Ethanol	3.97	45	3911845	257.755	ppbv #	36
15) Acetone	3.84	43	4525211	31.163	ppbv #	87
16) 1,3-Butadiene	3.29	39	204879	3.233	ppbv #	18
17) tert-Butyl alcohol	4.30	59	69319	0.753	ppbv	97
19) Isopropyl Alcohol	3.97	45	3911845	43.809	ppbv #	3
20) Methylene Chloride	4.35	84	10259	0.245	ppbv #	80
21) Allyl Chloride	4.30	41	23859	0.291	ppbv #	71
23) Vinyl Acetate	5.09	43	7365	0.034	ppbv #	65
25) Ethyl Acetate	5.71	43	258961	0.943	ppbv #	78
26) Hexane	5.71	57	363645	3.184	ppbv #	40
27) Carbon Disulfide	4.56	76	5068	0.048	ppbv #	1
29) Chloroform	5.77	83	31146	0.191	ppbv #	75
30) Cyclohexane	7.17	84	12821	0.155	ppbv #	19
34) 2-Butanone	5.26	43	471861	2.240	ppbv	96
36) Benzene	6.92	78	38377	0.168	ppbv	96
38) Trichloroethene	7.88	130	1033854	12.700	ppbv	99
39) 1,2-Dichloropropane	7.21	63	626398	6.119	ppbv #	19
40) 1,4-Dioxane	7.90	88	1063	0.032	ppbv #	1
43) Methyl Methacrylate	8.10	69	6550	0.070	ppbv #	1
50) 4-Methyl-2-Pentanone	8.80	43	51056	0.167	ppbv	95
51) 2-Hexanone	10.19	43	147763	0.574	ppbv #	96
52) Tetrachloroethene	11.30	164	5782315	76.816	ppbv	91
53) Toluene	9.86	91	287216	1.153	ppbv	99
58) Ethyl Benzene	12.78	91	107289	0.327	ppbv #	79
59) m/p-Xylene	13.03	91	427482	1.573	ppbv	97
60) o-Xylene	13.76	91	103647	0.382	ppbv #	61
69) p-Isopropyltoluene	17.72	119	10967	0.031	ppbv #	44
72) 4-Ethyltoluene	15.91	105	12684	0.041	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.06	105	9555	0.032	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	24458	0.078	ppbv #	59

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034269.D

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ClientSampleId :

SV1DL

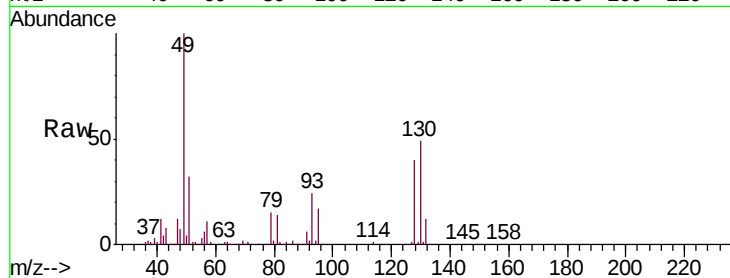
Tgt Ion: 49 Resp: 1083427

Ion Ratio Lower Upper

49 100

128 38.5 17.6 52.9

130 49.4 22.3 66.9



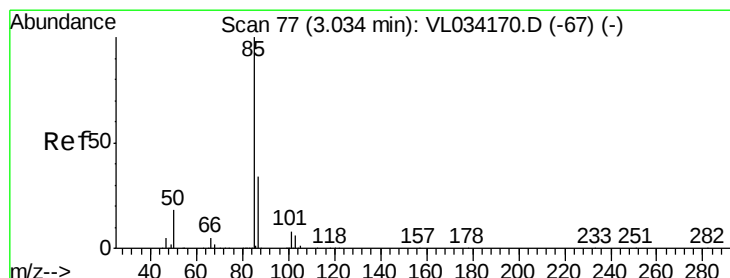
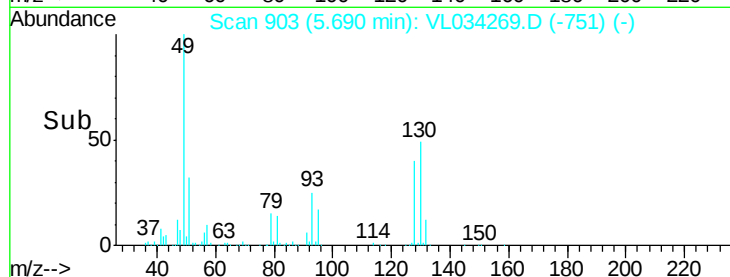
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.69

Time-->



#2

Dichlorodifluoromethane

Concen: 0.629 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL034269.D

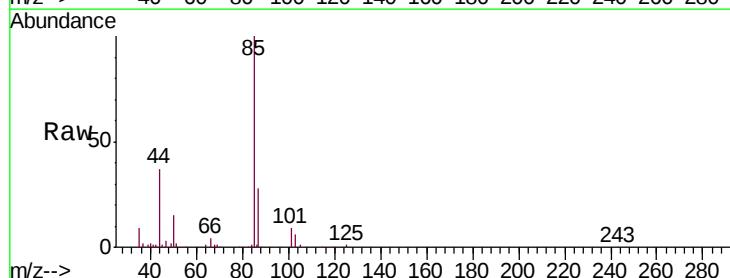
Acq: 9 Oct 2019 4:29

Tgt Ion: 85 Resp: 100682

Ion Ratio Lower Upper

85 100

87 28.1 27.2 40.8

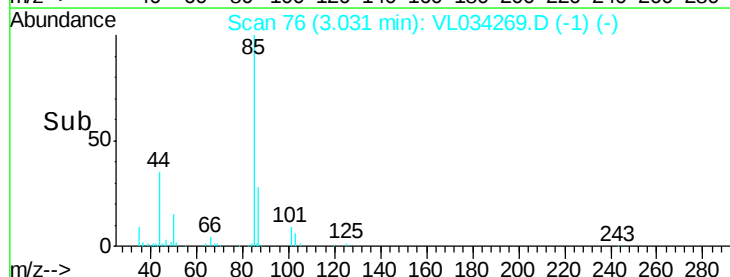


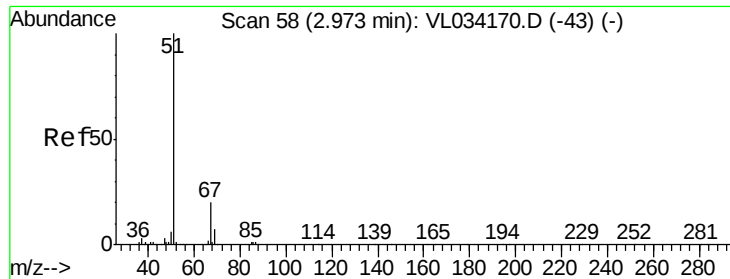
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

Time-->

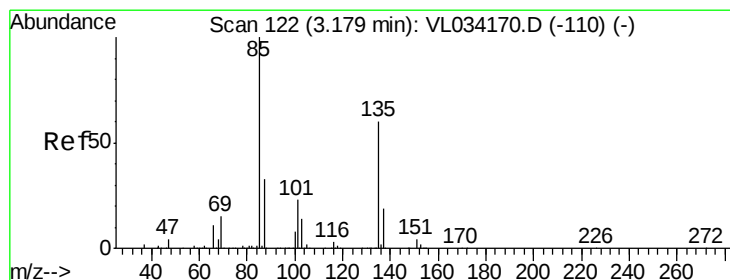
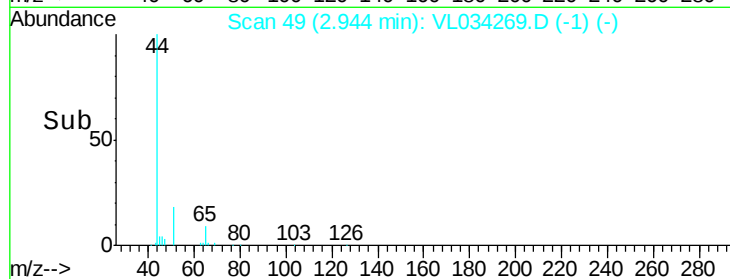
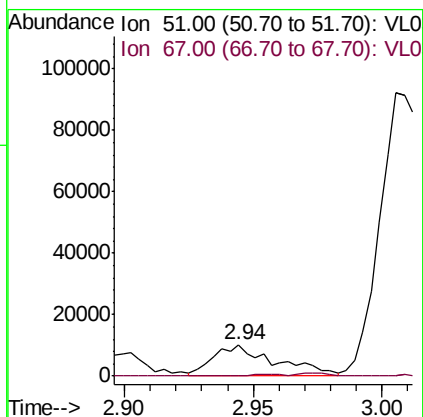
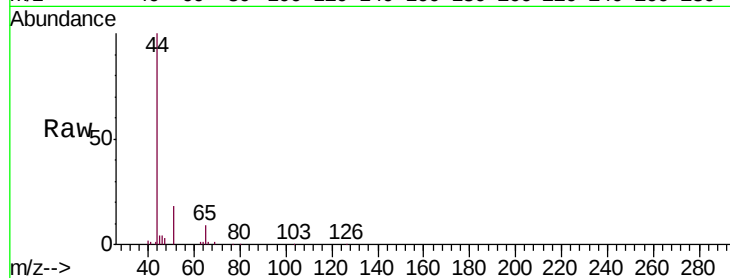




#3
 Chlorodifluoromethane
 Concen: 0.135 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. -0.03 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

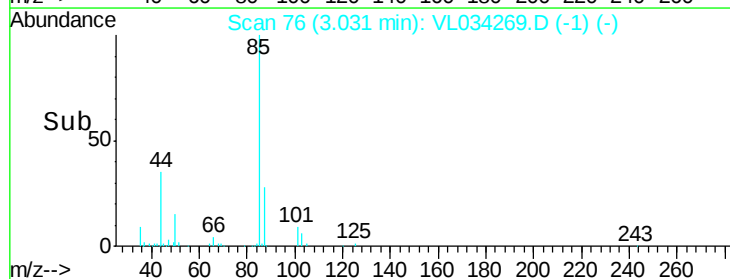
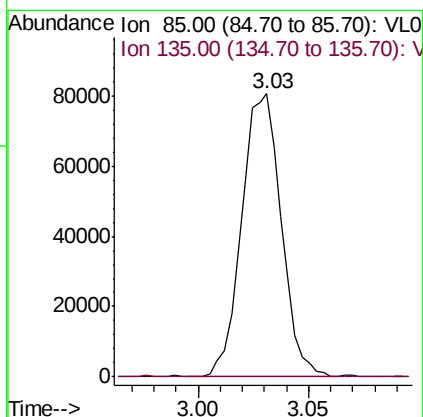
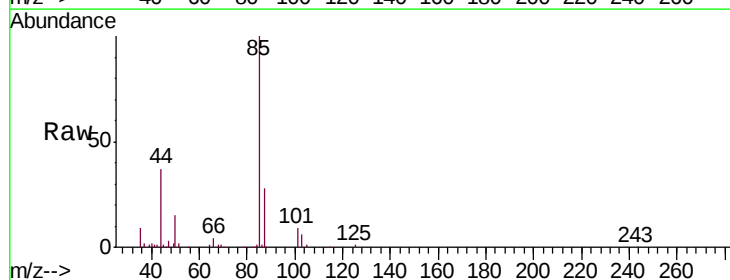
Instrument :
 MSVOA_L
 ClientSampleID :
 SV1DL

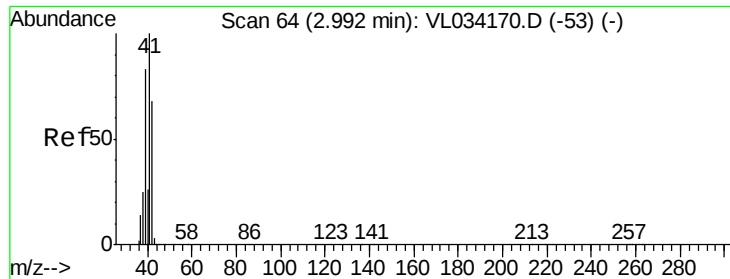
Tgt Ion: 51 Resp: 17143
 Ion Ratio Lower Upper
 51 100
 67 7.3 14.8 22.2#



#8
 Dichlorotetrafluoroethane
 Concen: 0.713 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.15 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

Tgt Ion: 85 Resp: 100682
 Ion Ratio Lower Upper
 85 100
 135 0.1 47.3 70.9#





#9

Propene

Concen: 1.077 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

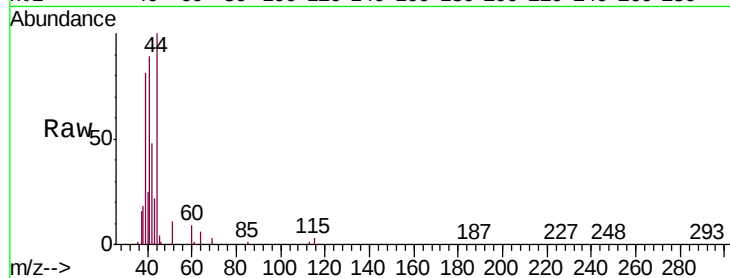
SV1DL

Tgt Ion: 41 Resp: 67519

Ion Ratio Lower Upper

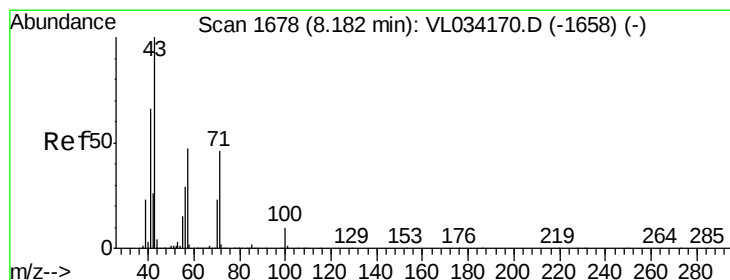
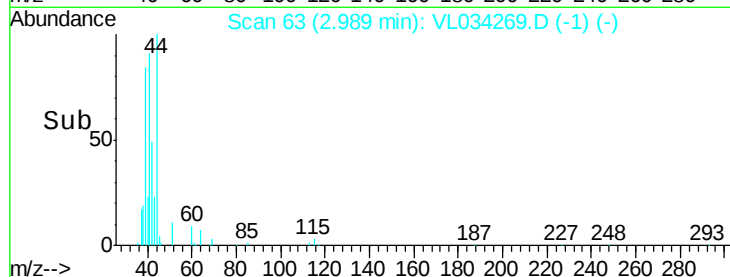
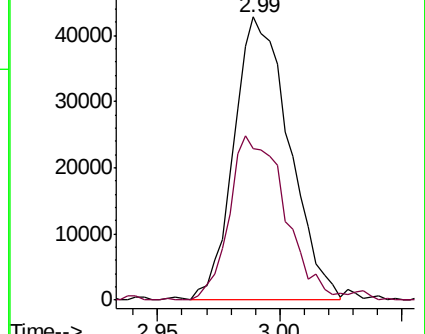
41 100

42 59.3 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.546 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. -0.02 min

Lab File: VL034269.D

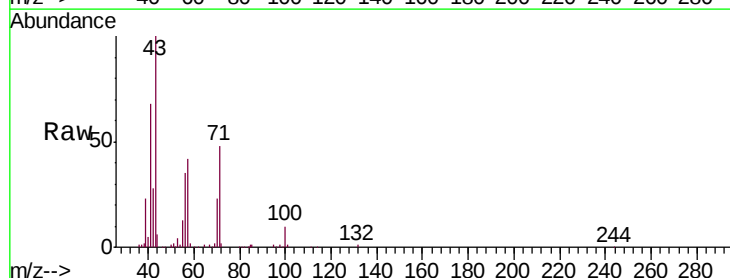
Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 89123

Ion Ratio Lower Upper

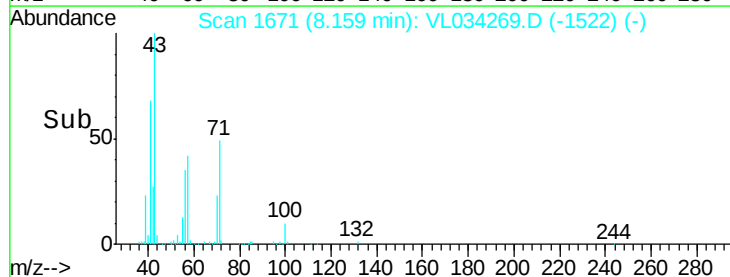
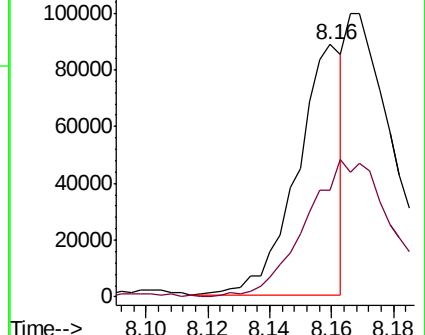
43 100

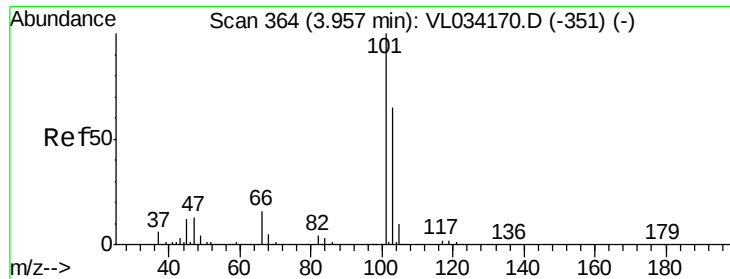
57 105.2 37.5 56.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

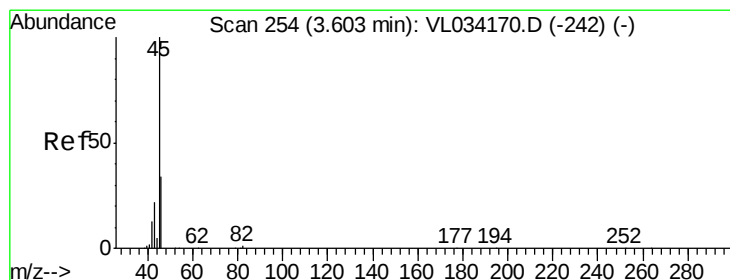
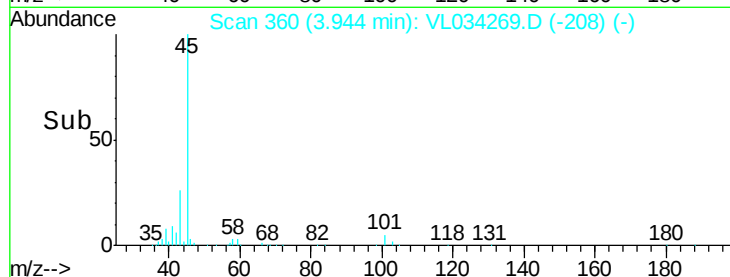
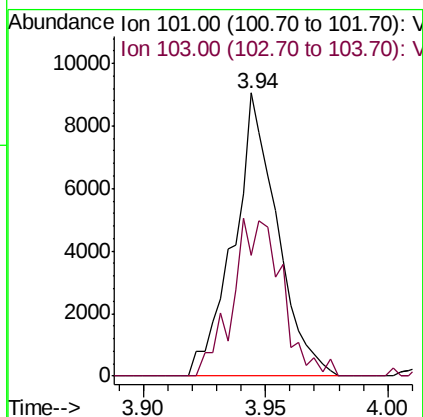
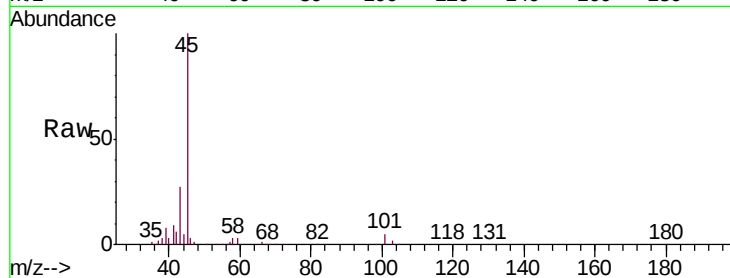




#11
 Trichlorofluoromethane
 Concen: 0.077 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

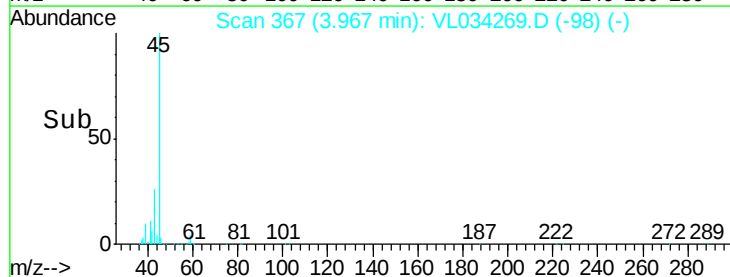
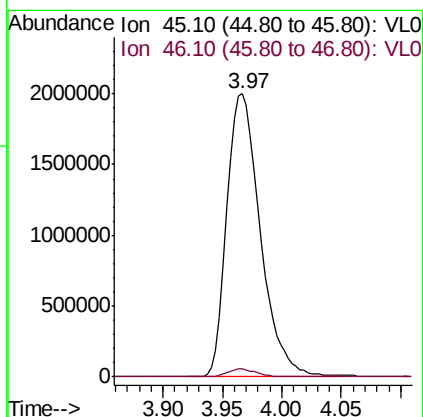
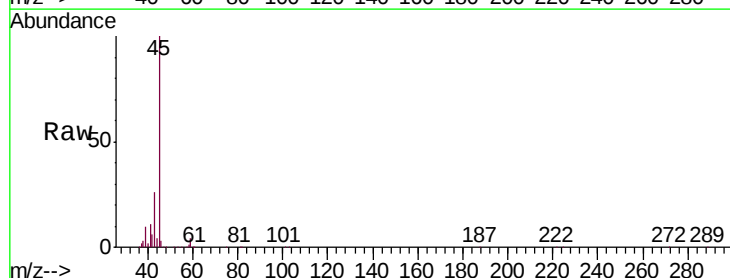
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

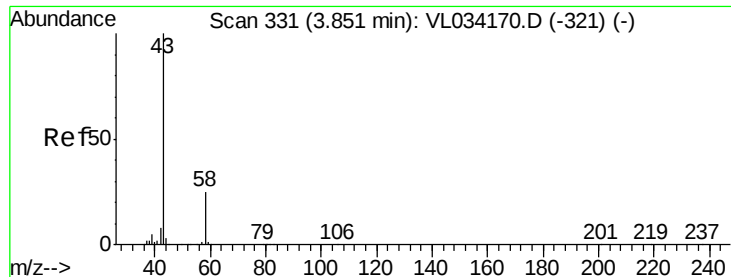
Tgt Ion: 101 Resp: 11206
 Ion Ratio Lower Upper
 101 100
 103 42.7 52.1 78.1#



#13
 Ethanol
 Concen: 257.755 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.36 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

Tgt Ion: 45 Resp: 3911845
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.5 61.9#





#15

Acetone

Concen: 31.163 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

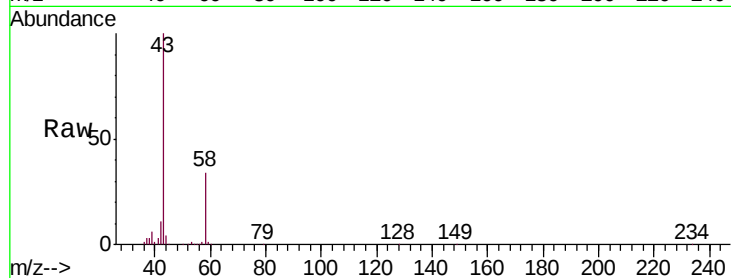
SV1DL

Tgt Ion: 43 Resp: 4525211

Ion Ratio Lower Upper

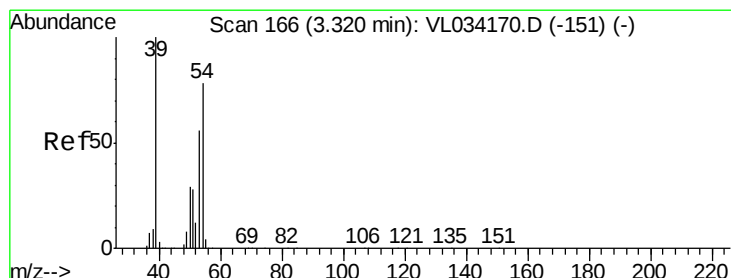
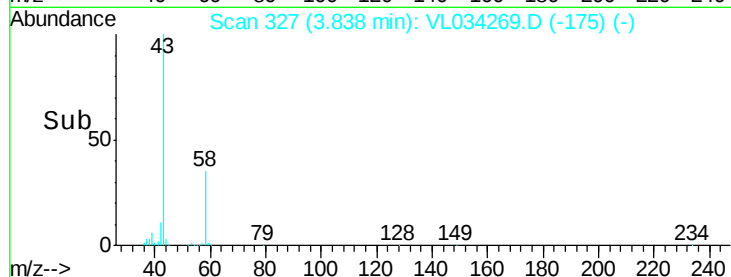
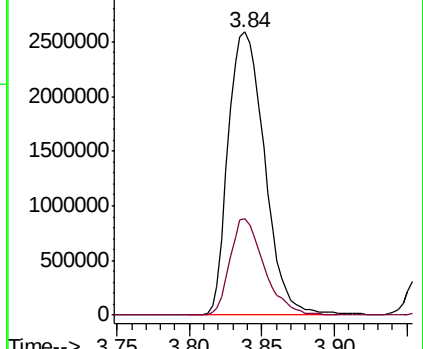
43 100

58 32.1 20.5 30.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 3.233 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.03 min

Lab File: VL034269.D

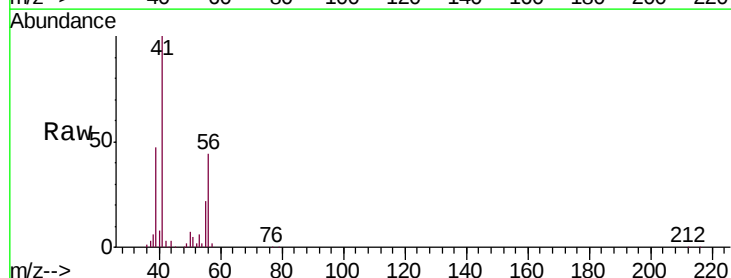
Acq: 9 Oct 2019 4:29

Tgt Ion: 39 Resp: 204879

Ion Ratio Lower Upper

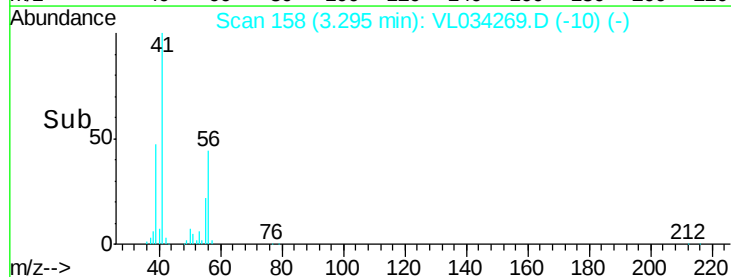
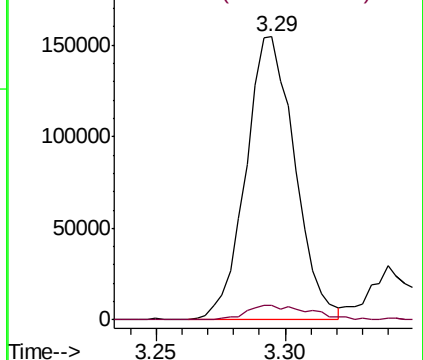
39 100

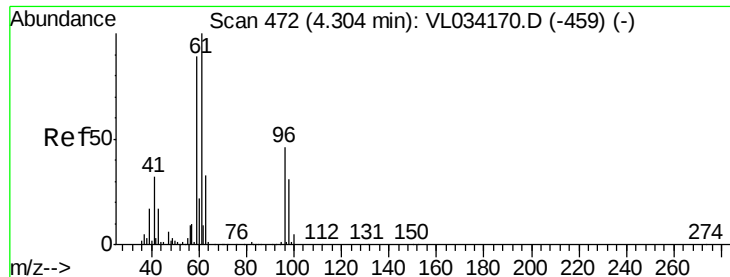
54 7.1 63.4 95.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.753 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.01 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

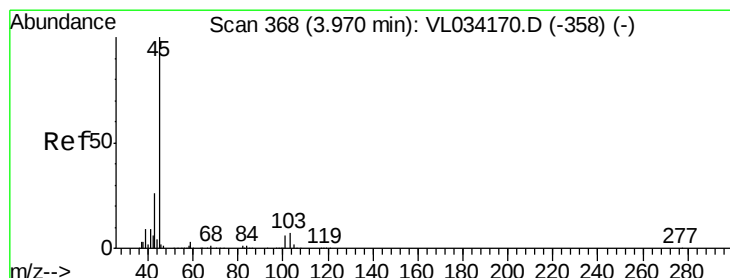
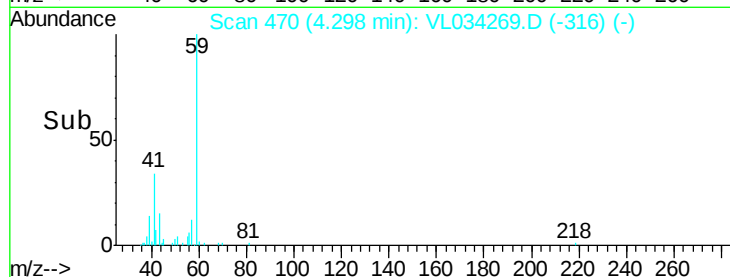
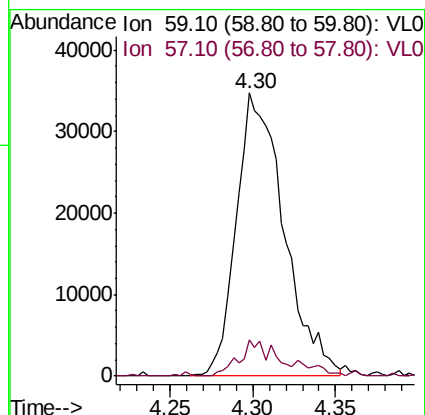
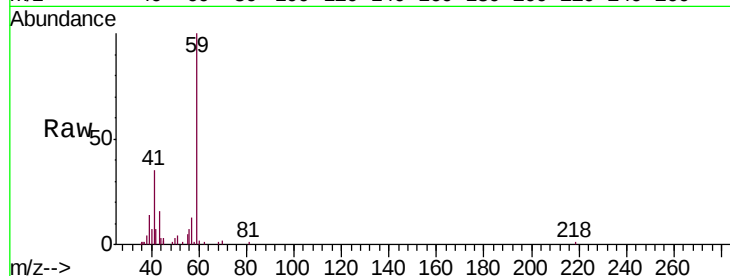
SV1DL

Tgt Ion: 59 Resp: 69319

Ion Ratio Lower Upper

59 100

57 12.0 8.7 13.1



#19

Isopropyl Alcohol

Concen: 43.809 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL034269.D

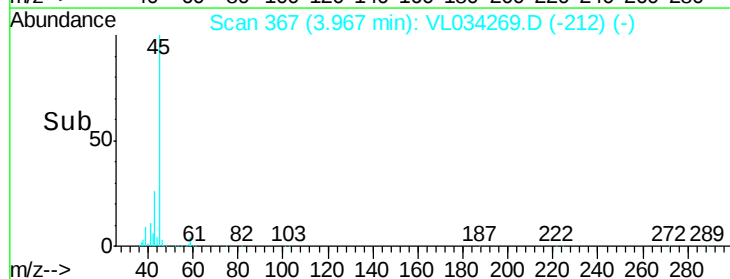
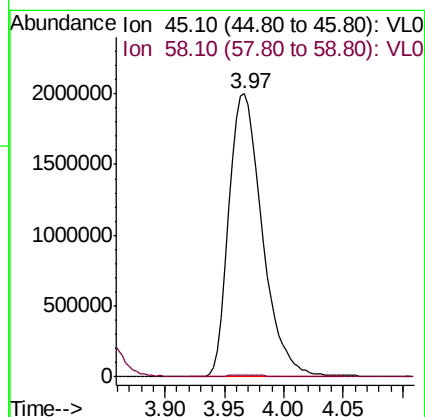
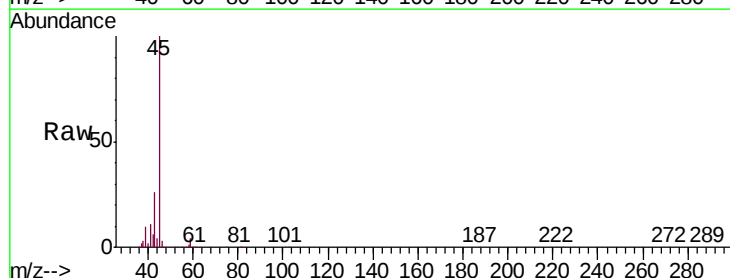
Acq: 9 Oct 2019 4:29

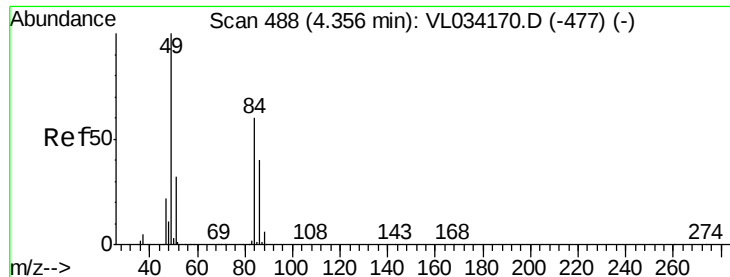
Tgt Ion: 45 Resp: 3911845

Ion Ratio Lower Upper

45 100

58 37.1 1.4 2.0#

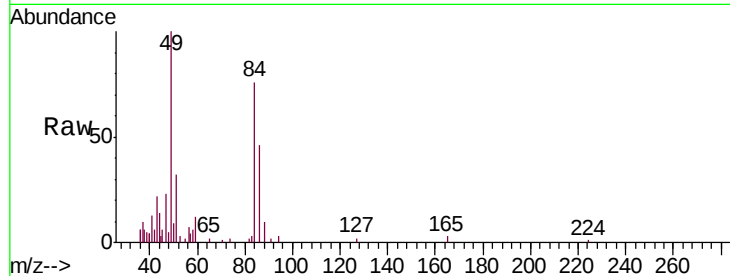




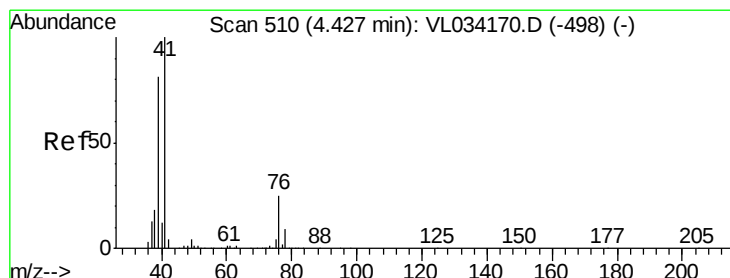
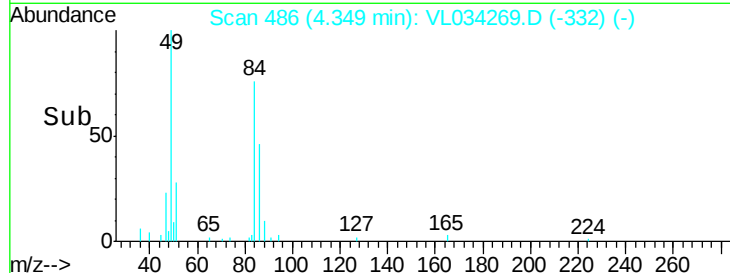
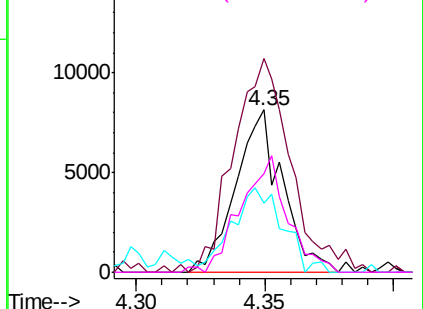
#20
Methylene Chloride
Concen: 0.245 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 84 Resp: 10259
Ion Ratio Lower Upper
84 100
49 131.5 133.8 200.8#
51 42.5 43.6 65.4#
86 60.4 53.1 79.7

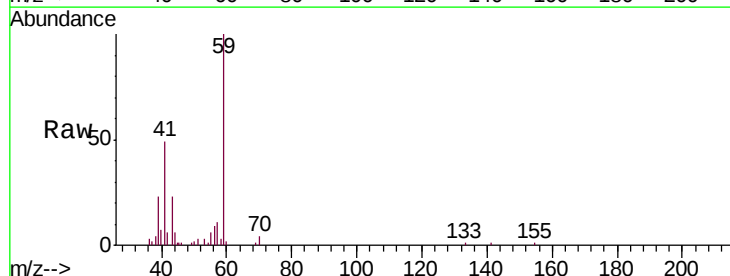


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

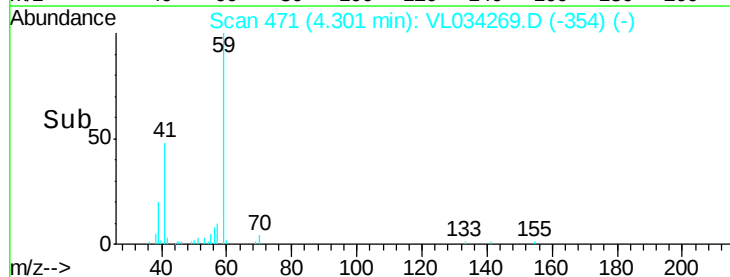
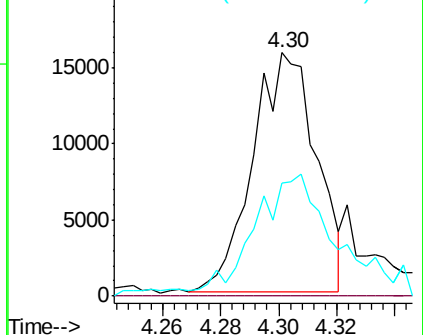


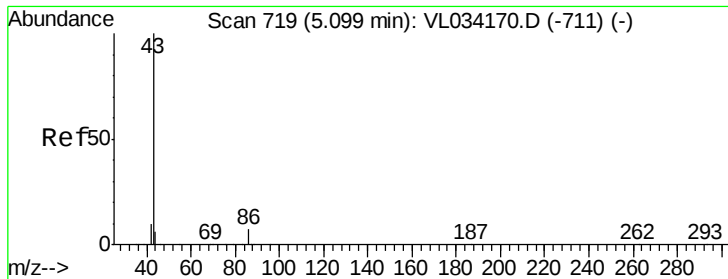
#21
Allyl Chloride
Concen: 0.291 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.13 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 41 Resp: 23859
Ion Ratio Lower Upper
41 100
76 0.0 21.8 32.6#
39 62.2 64.8 97.2#



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: 0.034 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.01 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 43 Resp: 7365

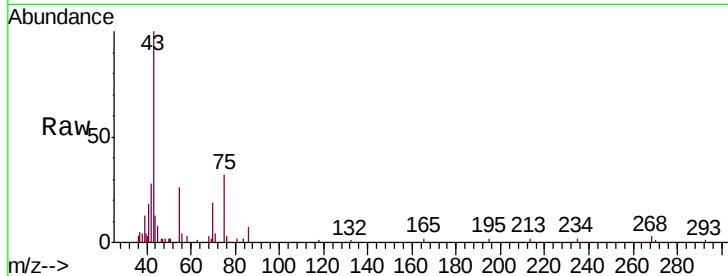
Ion Ratio Lower Upper

43 100

86 4.8 5.1 7.7#

42 34.3 8.6 12.8#

44 12.1 4.7 7.1#

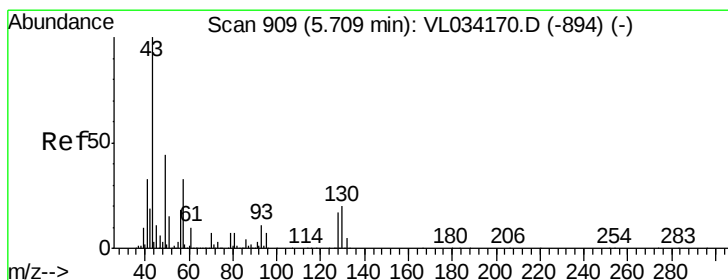
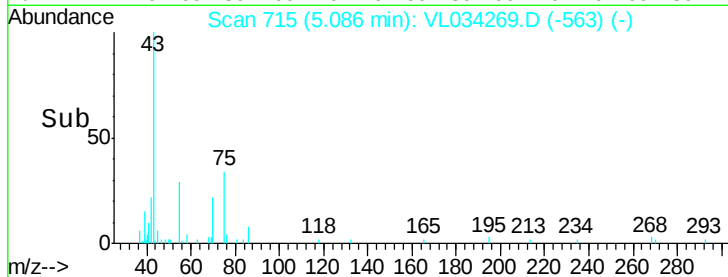
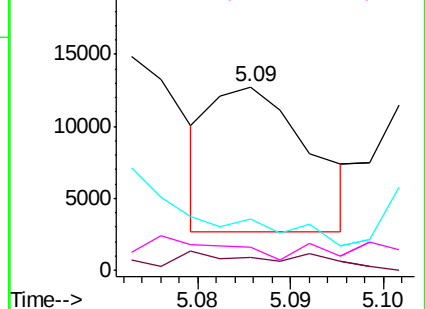


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.943 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 258961

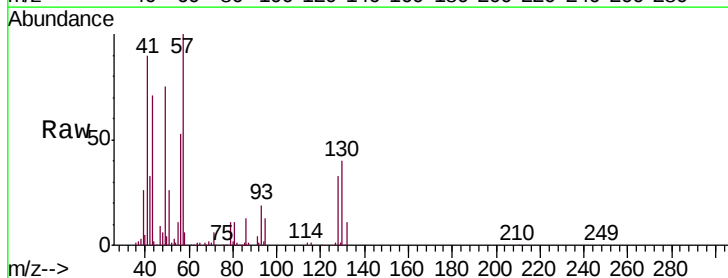
Ion Ratio Lower Upper

43 100

45 0.7 8.4 12.6#

61 0.2 7.2 10.8#

70 1.8 5.3 7.9#

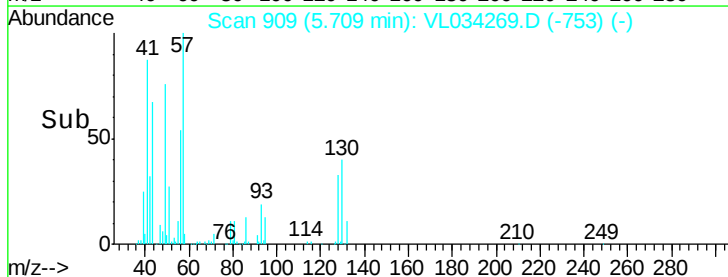
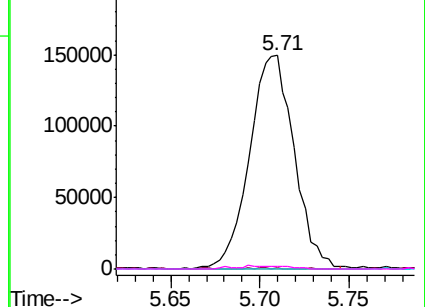


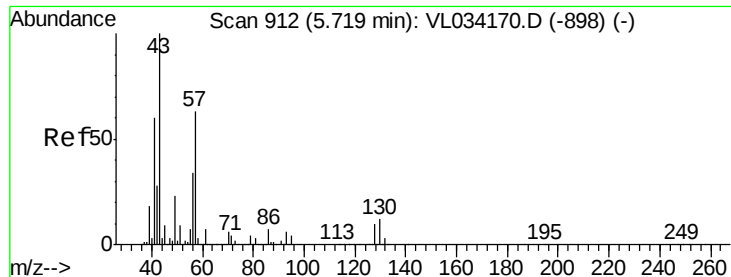
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 3.184 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.01 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 57 Resp: 363645

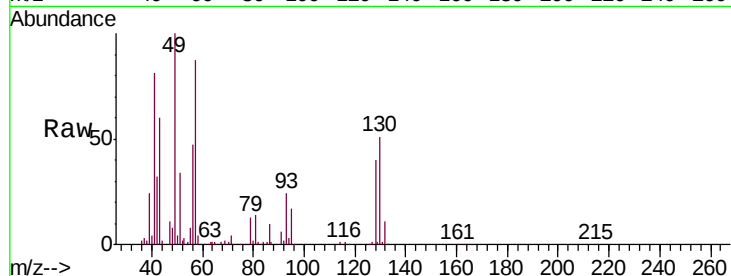
Ion Ratio Lower Upper

57 100

41 94.5 78.5 117.7

43 72.6 189.5 284.3#

56 53.8 43.2 64.8

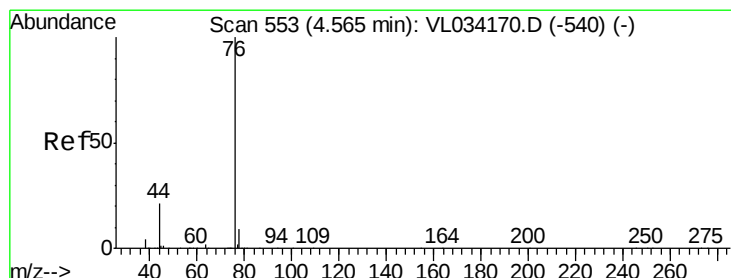
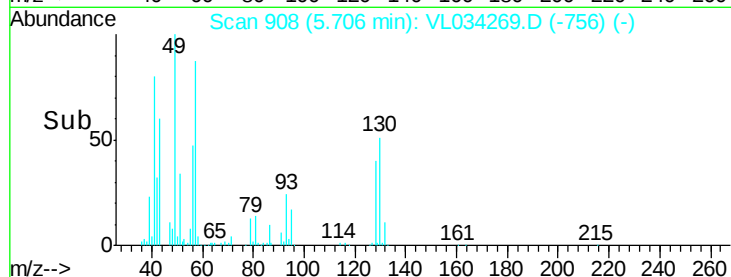
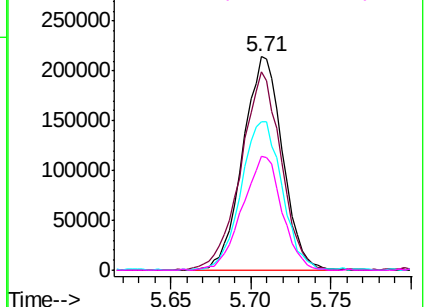


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.048 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

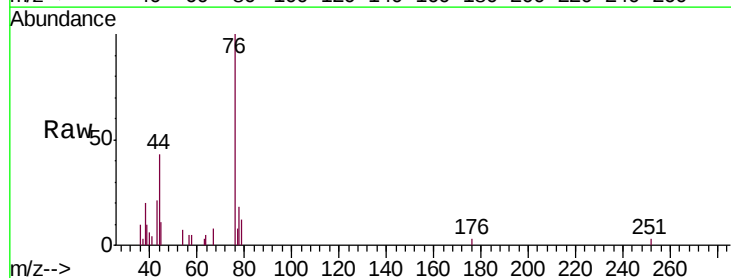
Tgt Ion: 76 Resp: 5068

Ion Ratio Lower Upper

76 100

44 172.7 17.6 26.4#

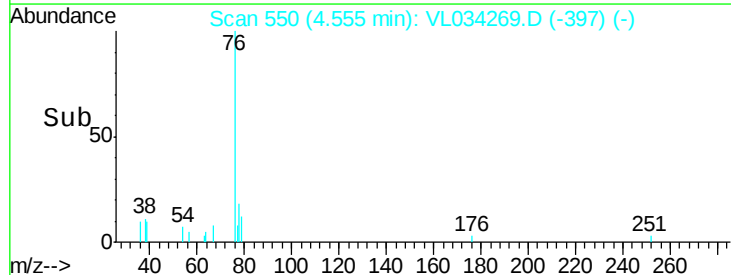
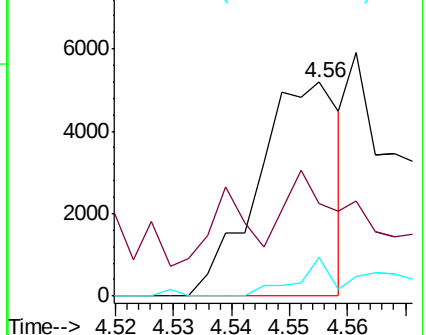
78 18.3 7.6 11.4#

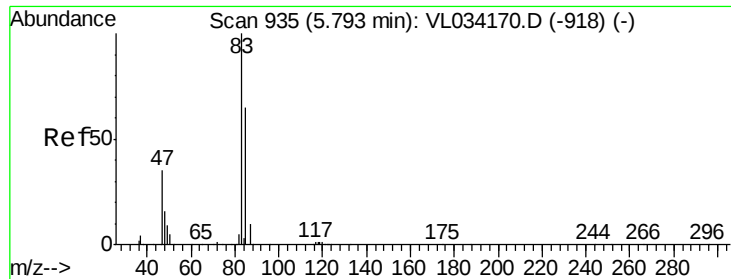


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.191 ppbv

RT: 5.77 min Scan# 929

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

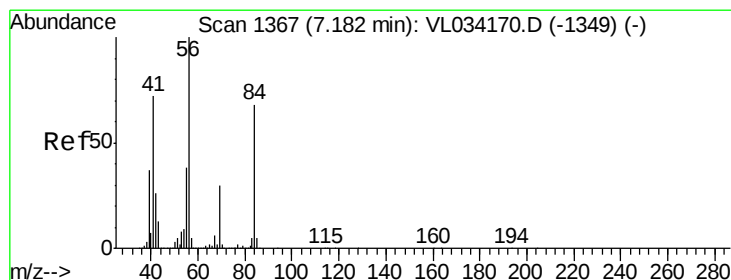
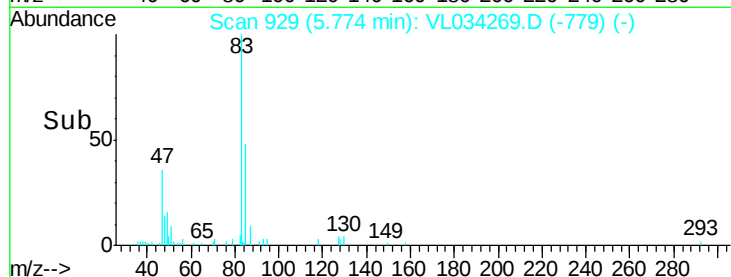
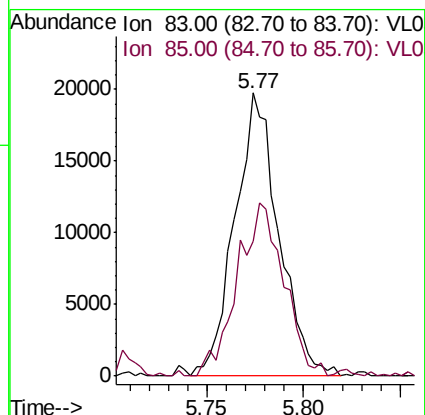
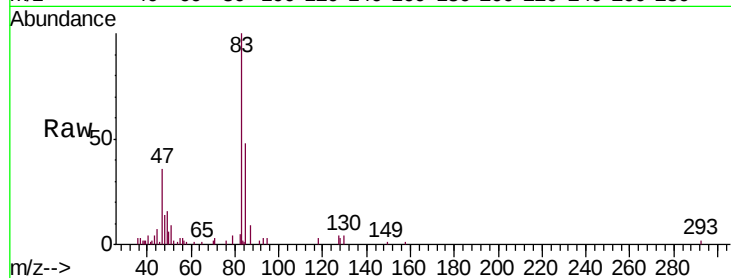
SV1DL

Tgt Ion: 83 Resp: 31146

Ion Ratio Lower Upper

83 100

85 45.9 52.3 78.5#



#30

Cyclohexane

Concen: 0.155 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

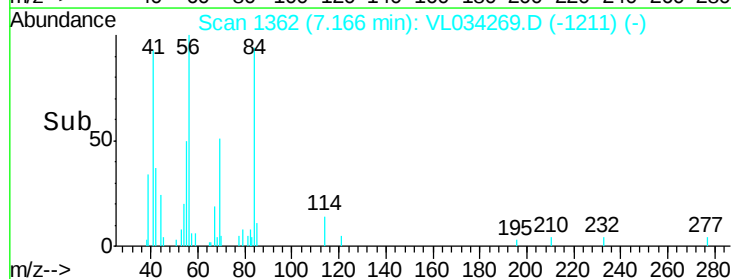
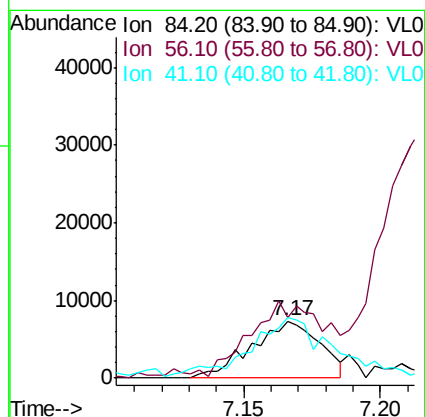
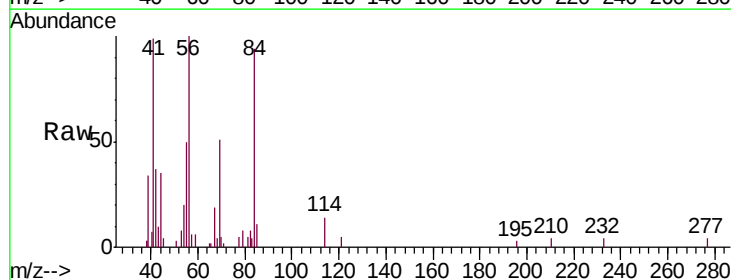
Tgt Ion: 84 Resp: 12821

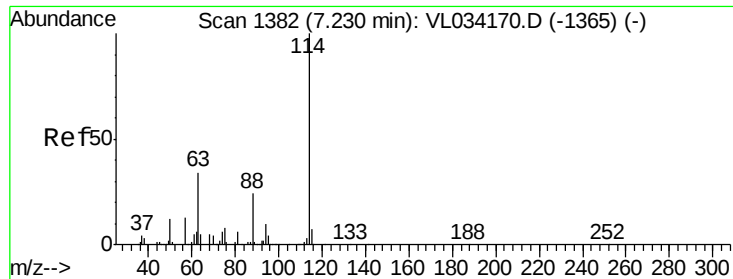
Ion Ratio Lower Upper

84 100

56 0.0 126.2 189.2#

41 130.4 85.8 128.8#

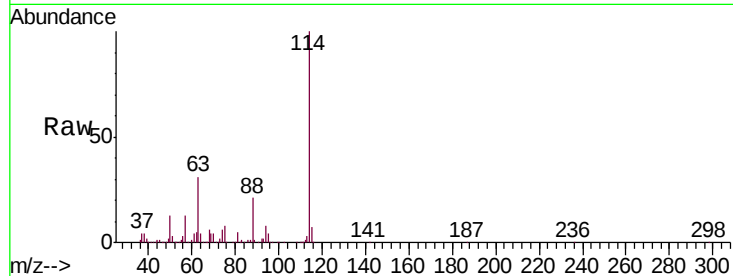




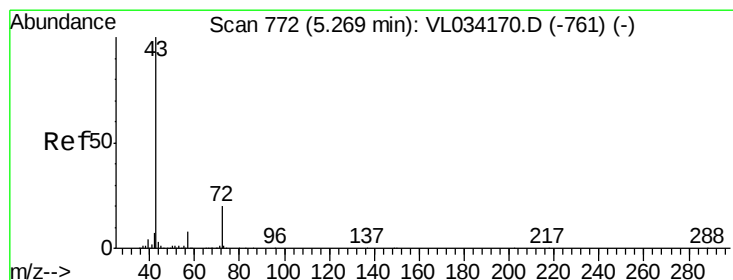
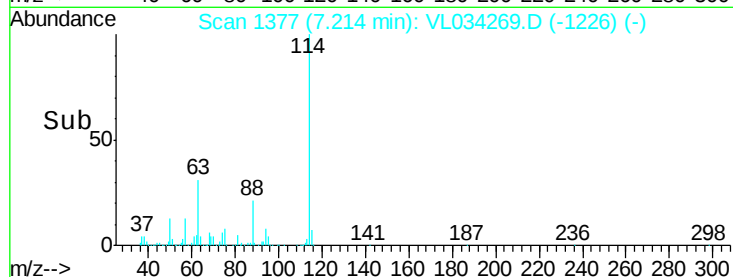
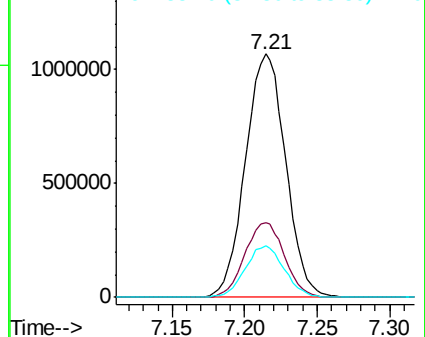
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion:114 Resp: 2062934
 Ion Ratio Lower Upper
 114 100
 63 30.5 27.8 41.6
 88 20.6 17.1 25.7

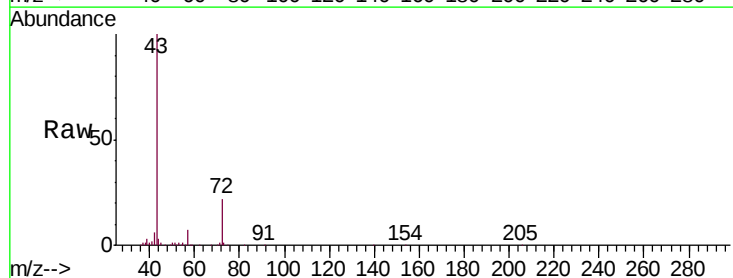


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

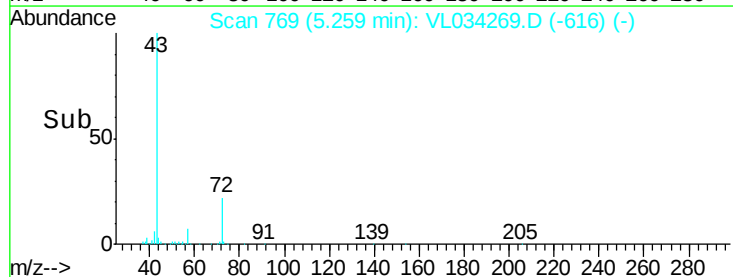
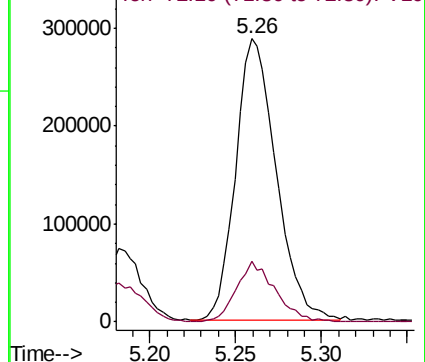


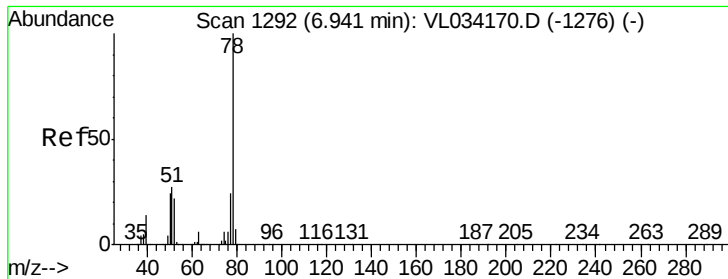
#34
 2-Butanone
 Concen: 2.240 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 471861
 Ion Ratio Lower Upper
 43 100
 72 20.5 15.0 22.6



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





#36

Benzene

Concen: 0.168 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

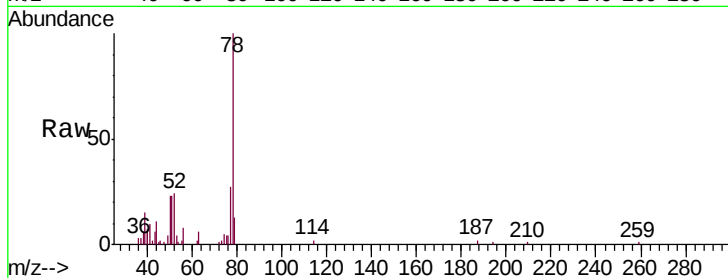
Tgt Ion: 78 Resp: 38377

Ion Ratio Lower Upper

78 100

77 25.9 19.0 28.4

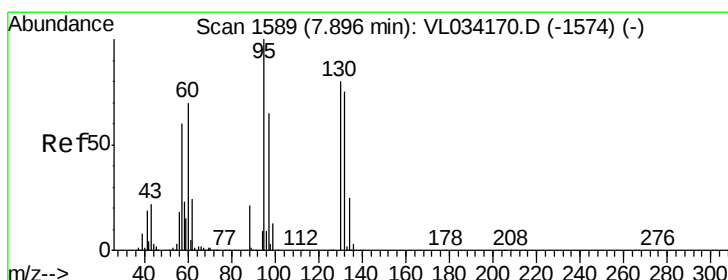
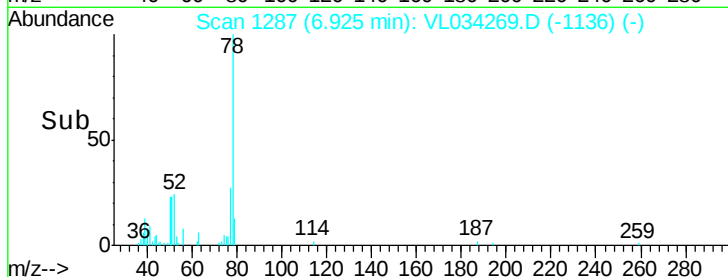
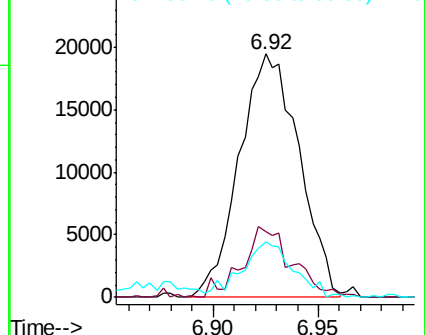
50 21.5 18.9 28.3



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



#38

Trichloroethene

Concen: 12.700 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Tgt Ion: 130 Resp: 1033854

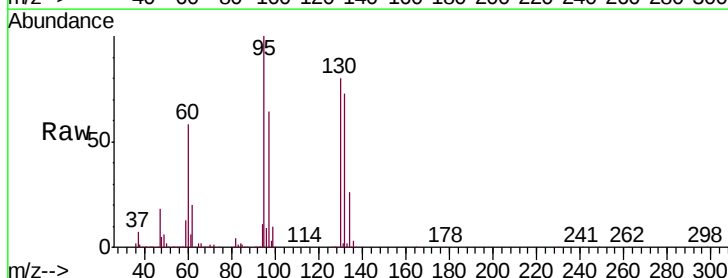
Ion Ratio Lower Upper

130 100

95 125.4 99.8 149.6

132 91.0 75.2 112.8

97 80.3 65.0 97.4

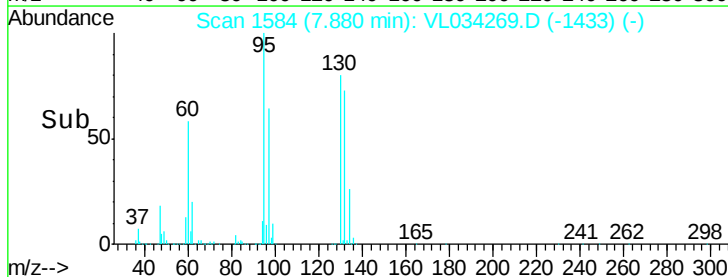
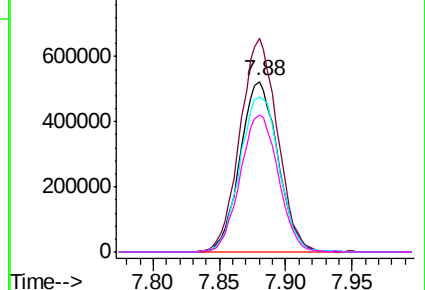


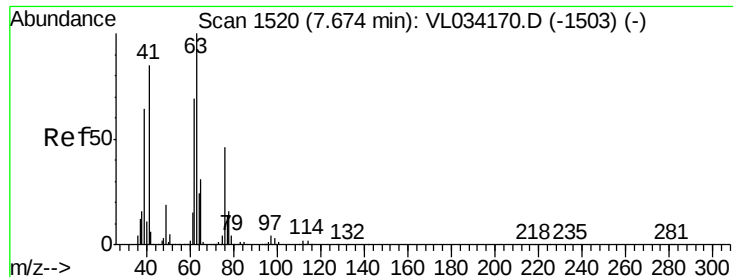
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 6.119 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. -0.46 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

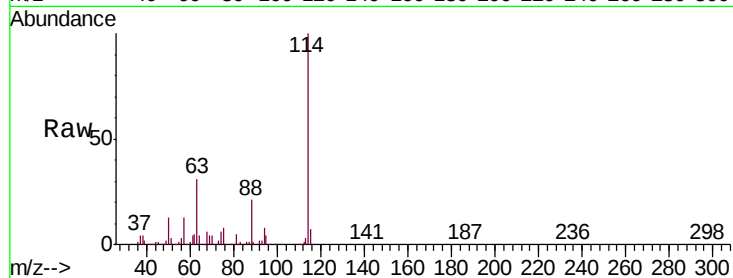
Tgt Ion: 63 Resp: 626398

Ion Ratio Lower Upper

63 100

41 0.0 68.4 102.6#

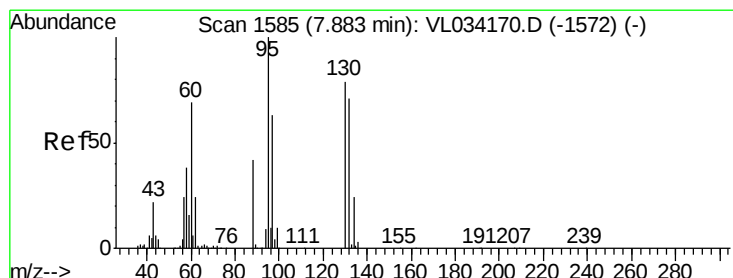
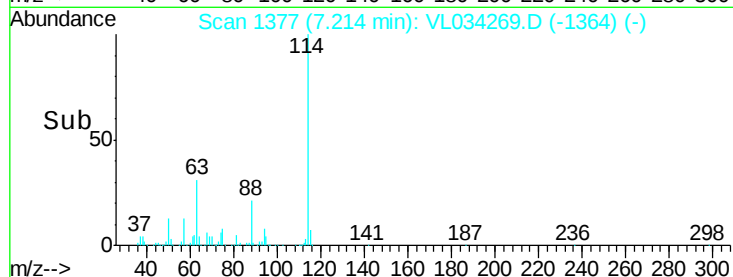
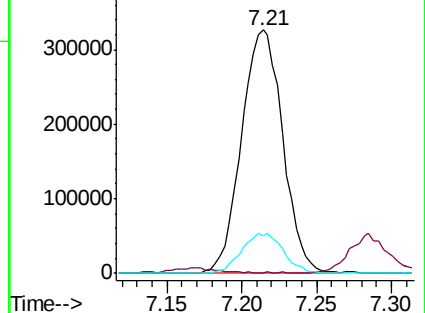
62 15.6 55.4 83.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.032 ppbv

RT: 7.90 min Scan# 1591

Delta R.T. 0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Tgt Ion: 88 Resp: 1063

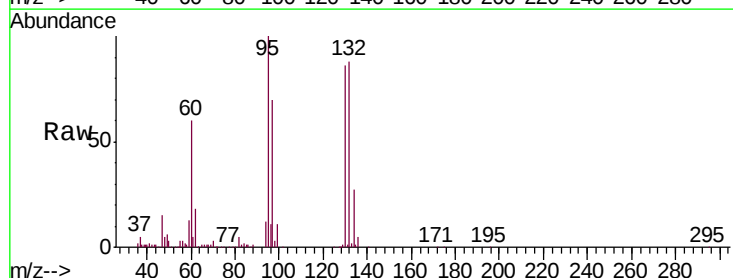
Ion Ratio Lower Upper

88 100

58 392.1 131.8 197.6#

43 1502.1 0.0 0.0#

57 0.0 0.0 0.0

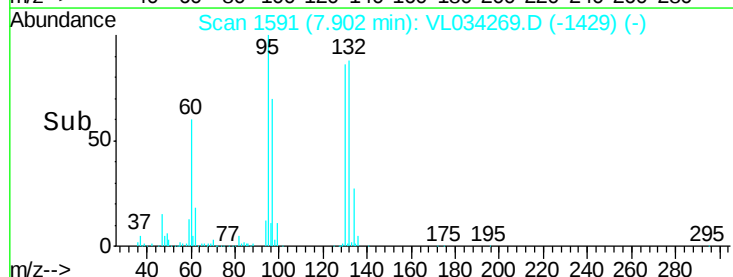
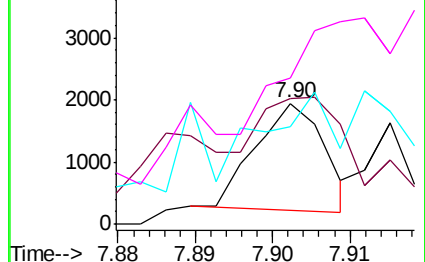


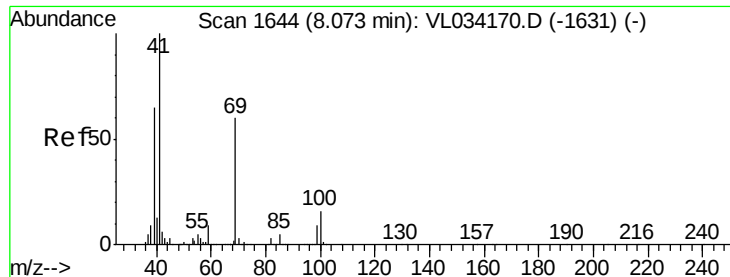
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

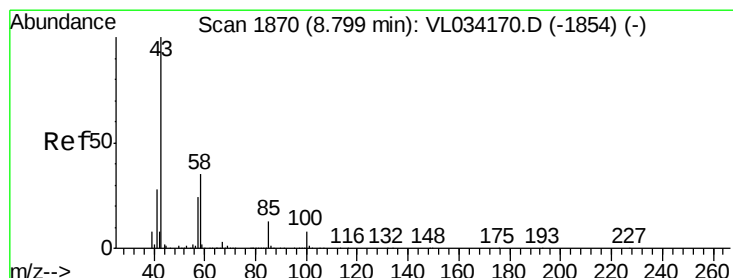
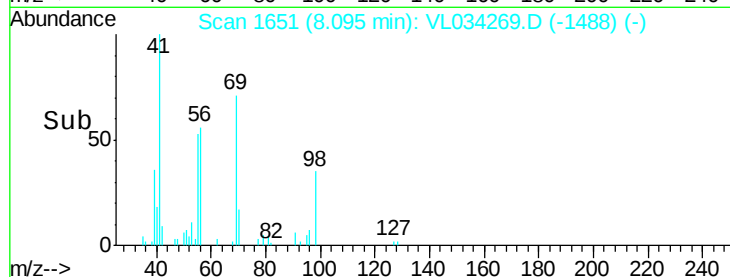
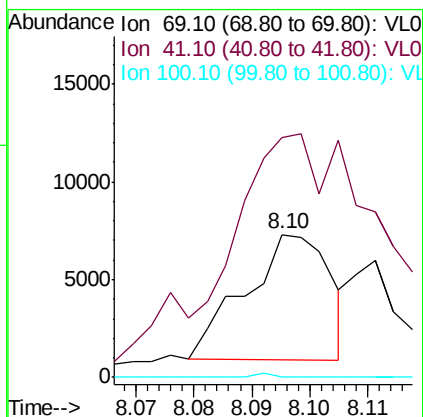
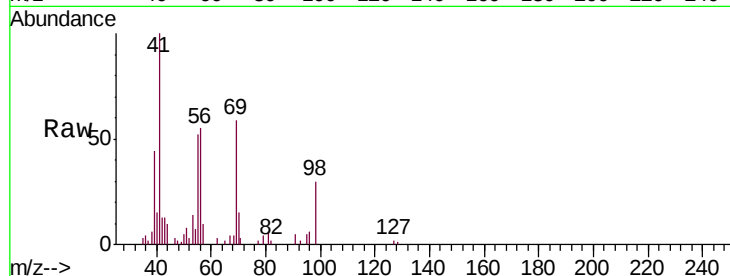




#43
Methyl Methacrylate
Concen: 0.070 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. 0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

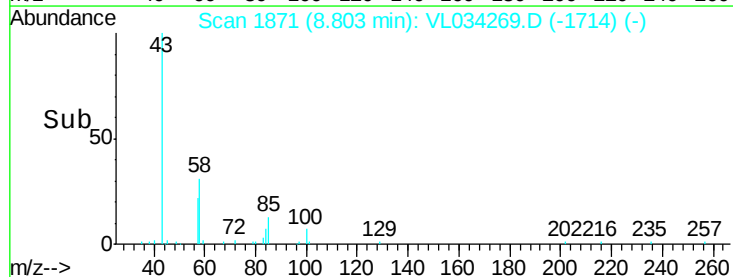
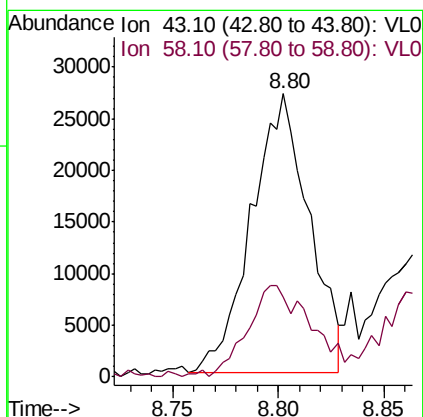
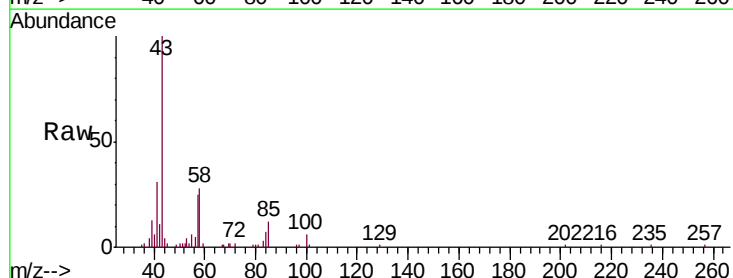
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

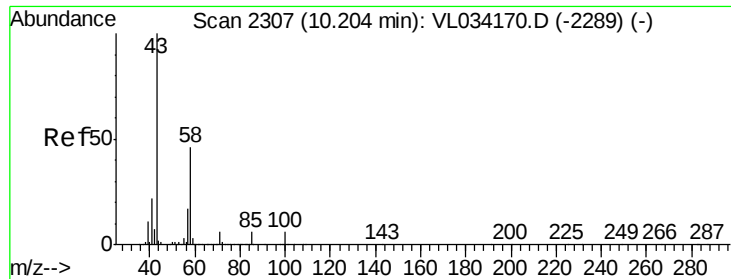
Tgt Ion: 69 Resp: 6550
Ion Ratio Lower Upper
69 100
41 376.2 140.4 210.6#
100 0.0 21.9 32.9#



#50
4-Methyl-2-Pentanone
Concen: 0.167 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 51056
Ion Ratio Lower Upper
43 100
58 37.4 27.6 41.4

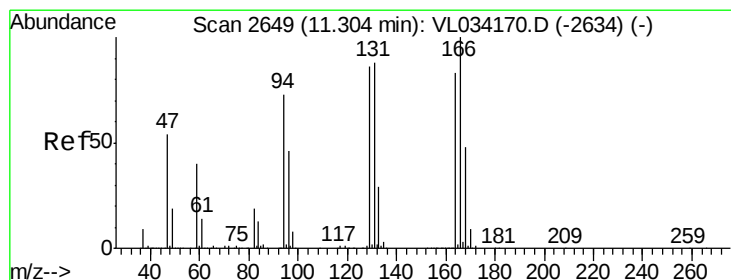
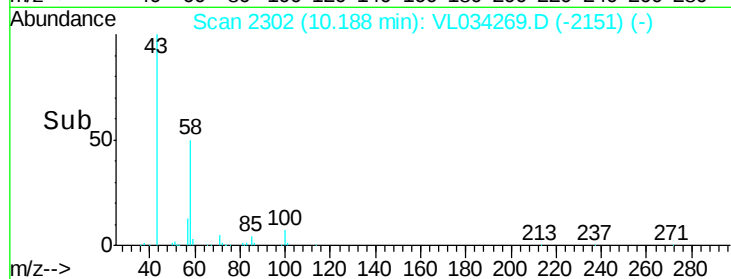
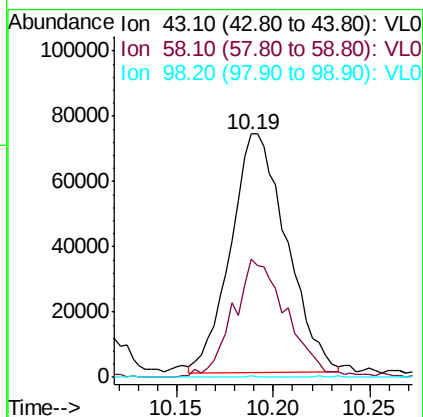
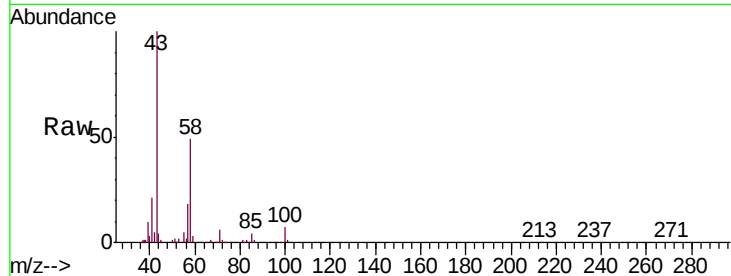




#51
2-Hexanone
Concen: 0.574 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

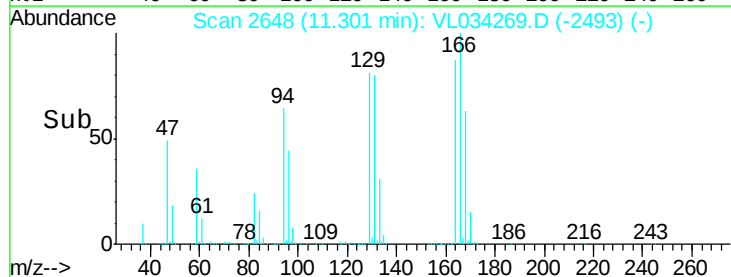
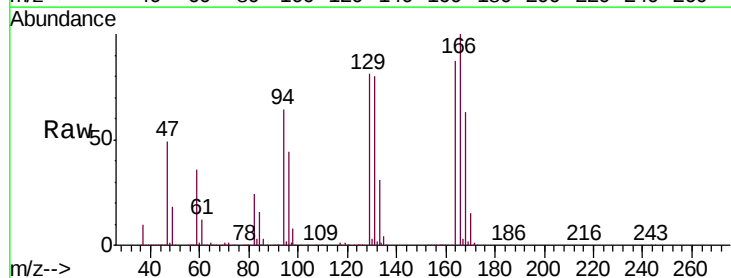
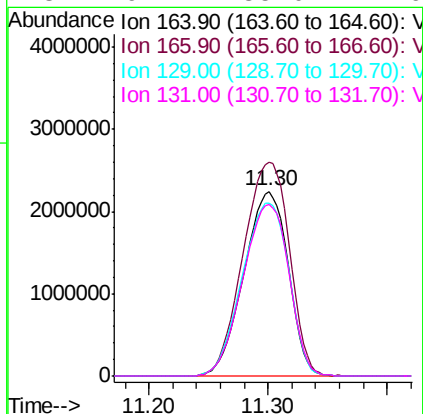
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

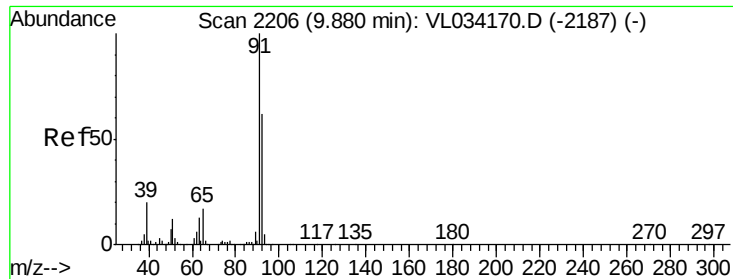
Tgt Ion: 43 Resp: 147763
Ion Ratio Lower Upper
43 100
58 48.2 36.2 54.4
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 76.816 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 164 Resp: 5782315
Ion Ratio Lower Upper
164 100
166 115.5 96.7 145.1
129 93.7 82.8 124.2
131 92.4 85.0 127.6





#53

Toluene

Concen: 1.153 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

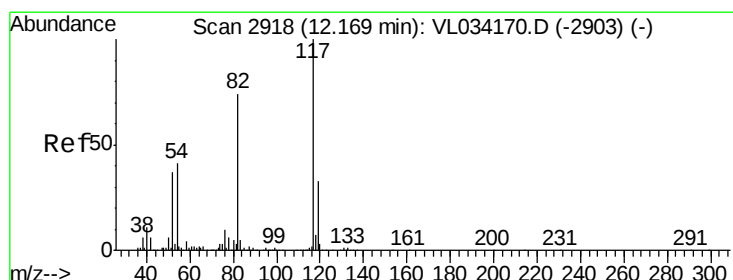
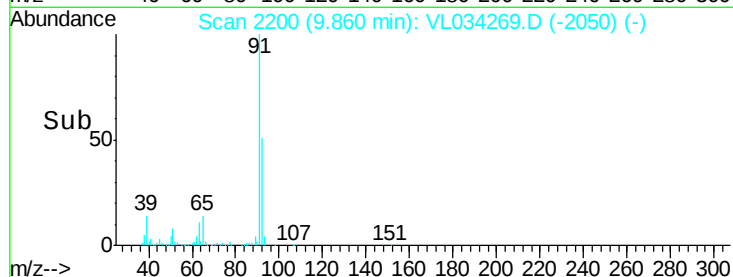
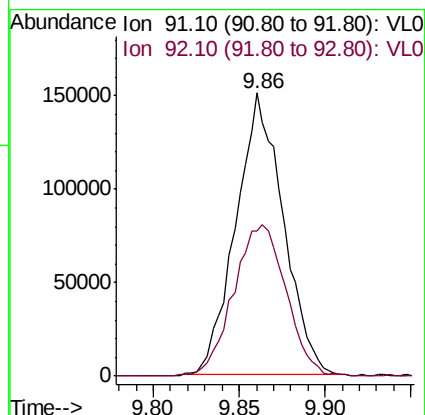
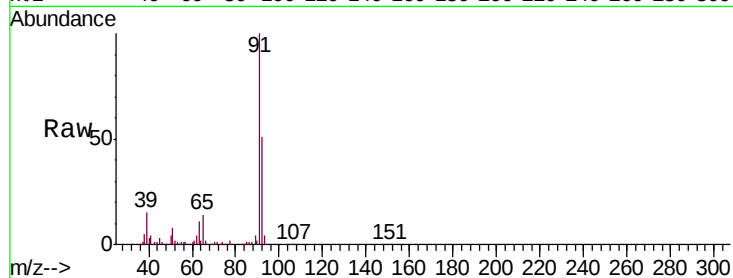
SV1DL

Tgt Ion: 91 Resp: 287216

Ion Ratio Lower Upper

91 100

92 60.2 49.0 73.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

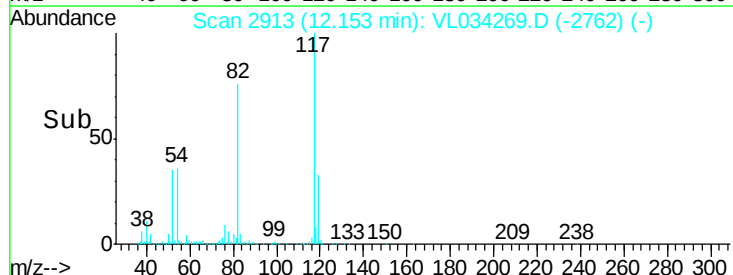
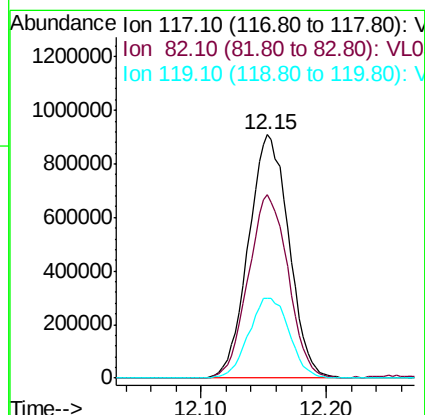
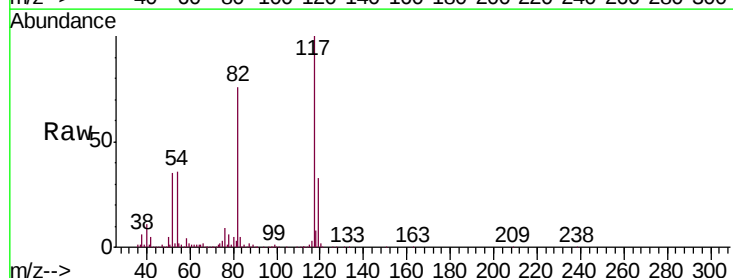
Tgt Ion: 117 Resp: 2032856

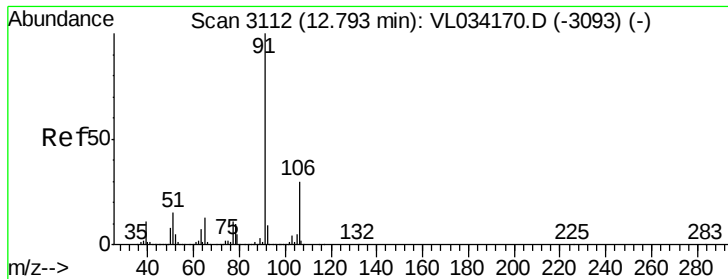
Ion Ratio Lower Upper

117 100

82 74.6 58.2 87.4

119 33.3 23.7 35.5





#58

Ethyl Benzene

Concen: 0.327 ppbv

RT: 12.78 min Scan# 3108

Delta R.T. -0.01 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

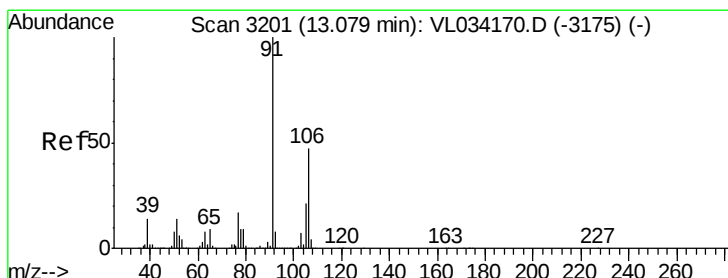
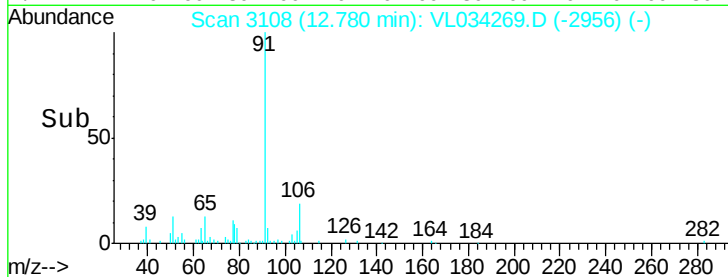
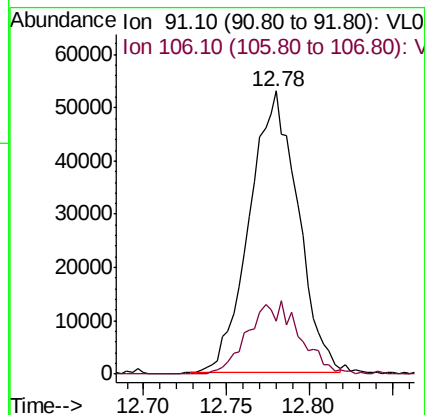
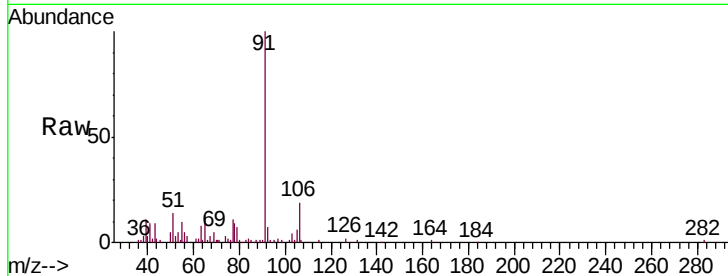
SV1DL

Tgt Ion: 91 Resp: 107289

Ion Ratio Lower Upper

91 100

106 18.6 24.2 36.4#



#59

m/p-Xylene

Concen: 1.573 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.05 min

Lab File: VL034269.D

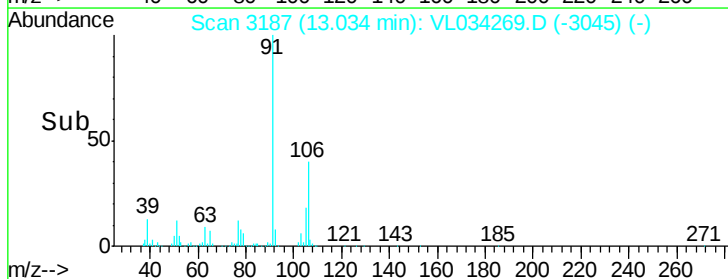
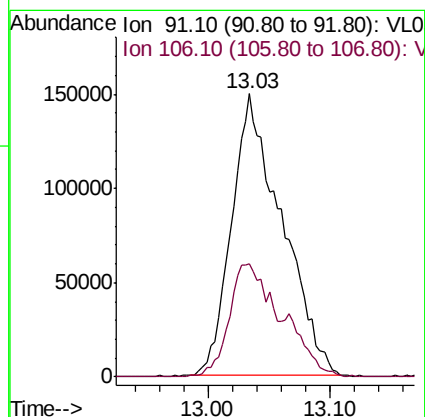
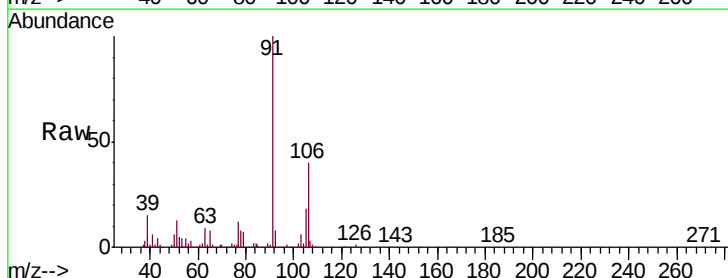
Acq: 9 Oct 2019 4:29

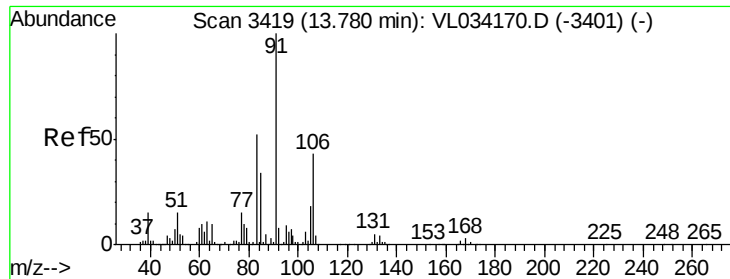
Tgt Ion: 91 Resp: 427482

Ion Ratio Lower Upper

91 100

106 42.2 35.5 53.3





#60

o-Xylene

Concen: 0.382 ppbv

RT: 13.76 min Scan# 3413

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

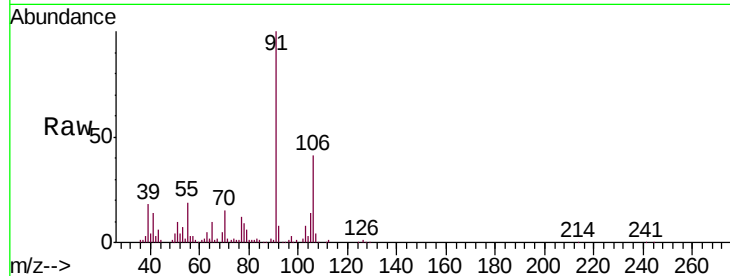
SV1DL

Tgt Ion: 91 Resp: 103647

Ion Ratio Lower Upper

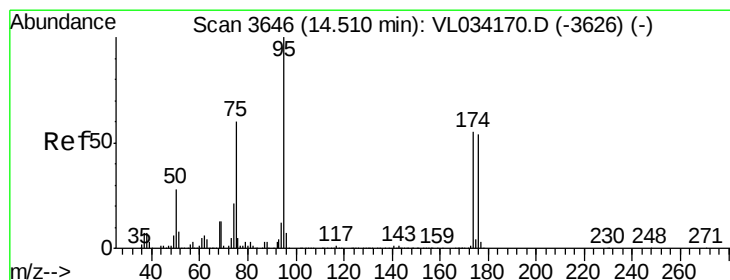
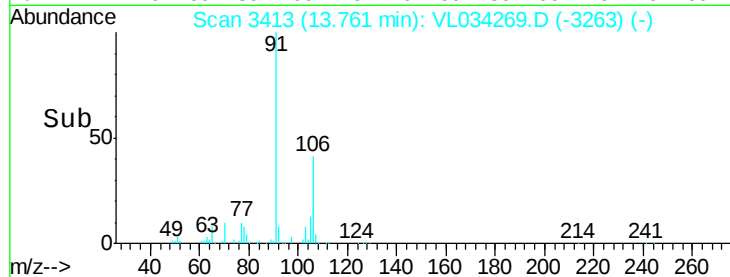
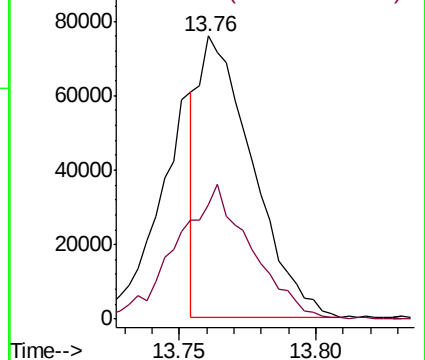
91 100

106 66.9 21.2 63.6#



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: 9.943 ppbv

RT: 14.49 min Scan# 3640

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

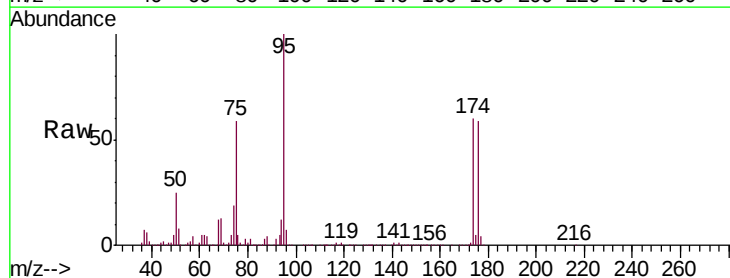
Tgt Ion: 95 Resp: 1756281

Ion Ratio Lower Upper

95 100

174 60.0 45.1 67.7

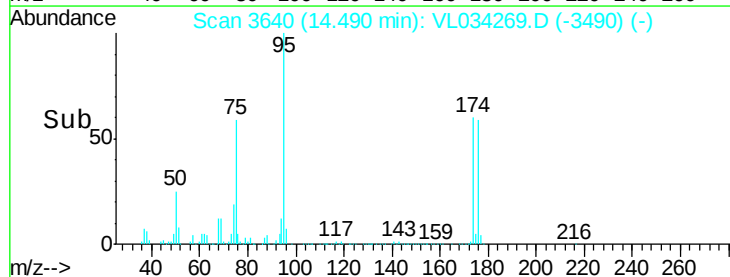
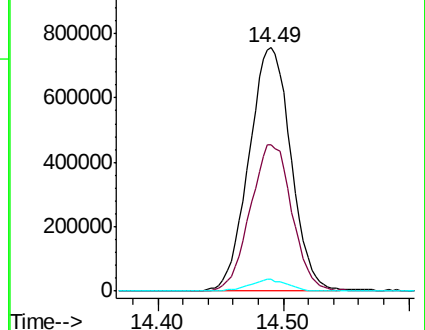
175 4.4 3.3 4.9

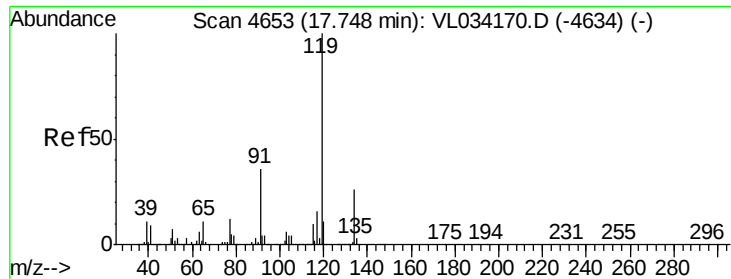


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

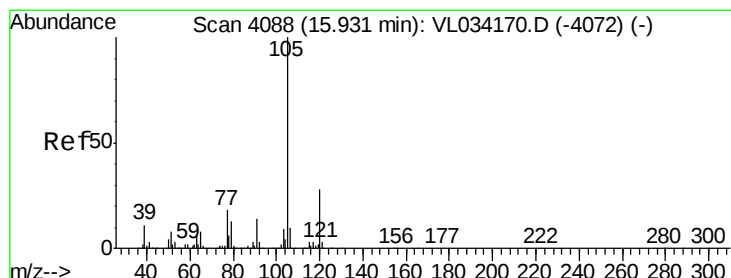
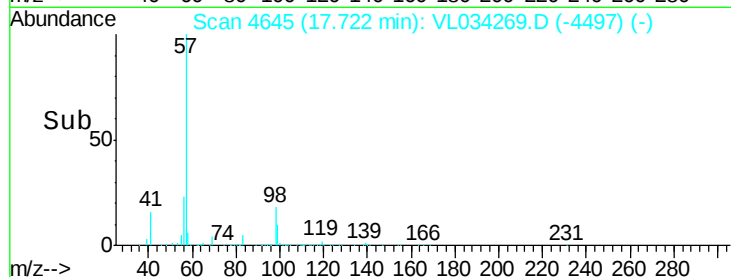
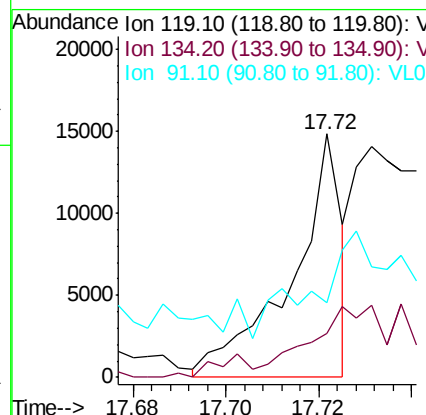
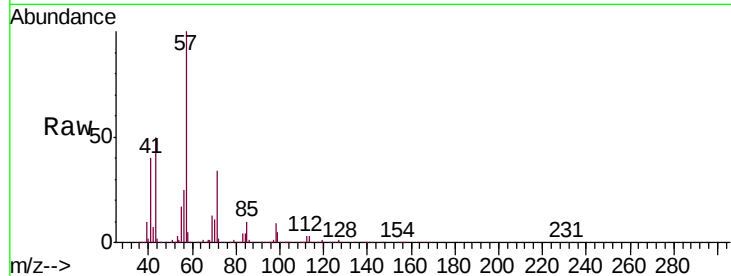




#69
 p-Isopropyltoluene
 Concen: 0.031 ppbv
 RT: 17.72 min Scan# 4645
 Delta R.T. -0.03 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

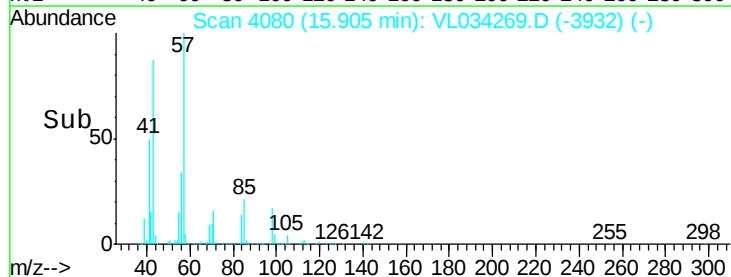
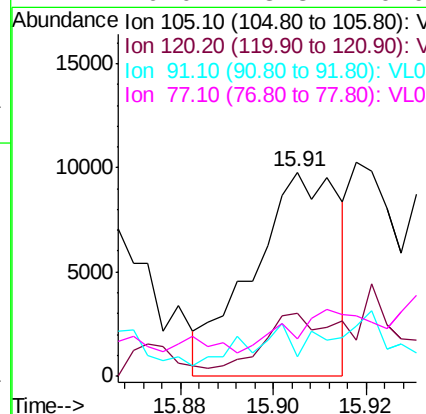
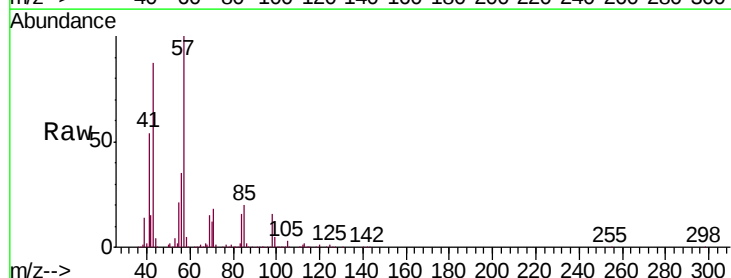
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

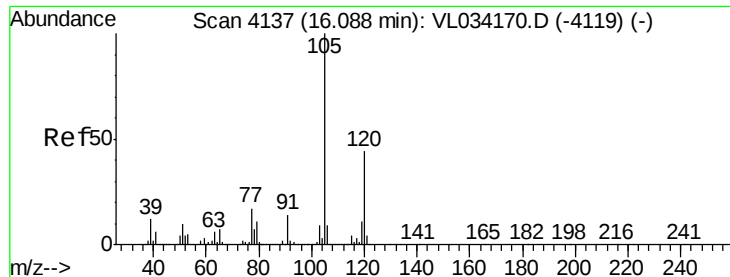
Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.6	30.8#
91	0.0	27.6	41.4#



#72
 4-Ethyltoluene
 Concen: 0.041 ppbv
 RT: 15.91 min Scan# 4080
 Delta R.T. -0.03 min
 Lab File: VL034269.D
 Acq: 9 Oct 2019 4:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.3	34.9#
91	0.0	11.4	17.2#
77	0.0	13.3	19.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.032 ppbv

RT: 16.06 min Scan# 4129

Delta R.T. -0.03 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

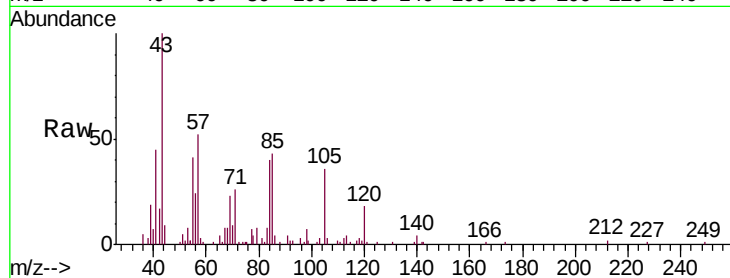
SV1DL

Tgt Ion:105 Resp: 9555

Ion Ratio Lower Upper

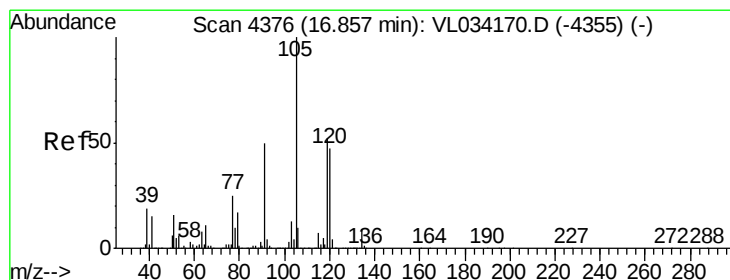
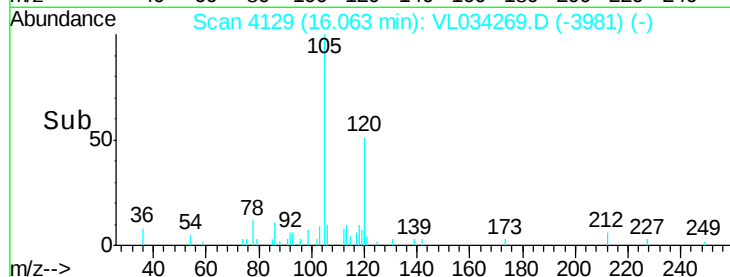
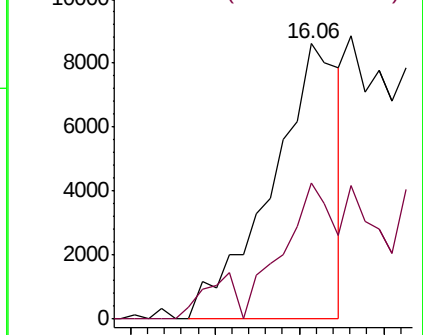
105 100

120 45.2 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.078 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. -0.02 min

Lab File: VL034269.D

Acq: 9 Oct 2019 4:29

Tgt Ion:105 Resp: 24458

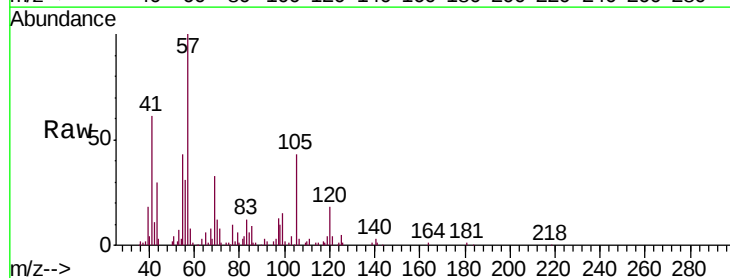
Ion Ratio Lower Upper

105 100

120 39.7 37.5 56.3

91 0.0 41.1 61.7#

77 8.9 19.9 29.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

