

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
 Data File : VL034524.D
 Acq On : 30 Dec 2019 23:09
 Operator : SY/AP
 Sample : K6388-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENT

Quant Time: Dec 31 05:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	909887	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1816803	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1811816	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1526160	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

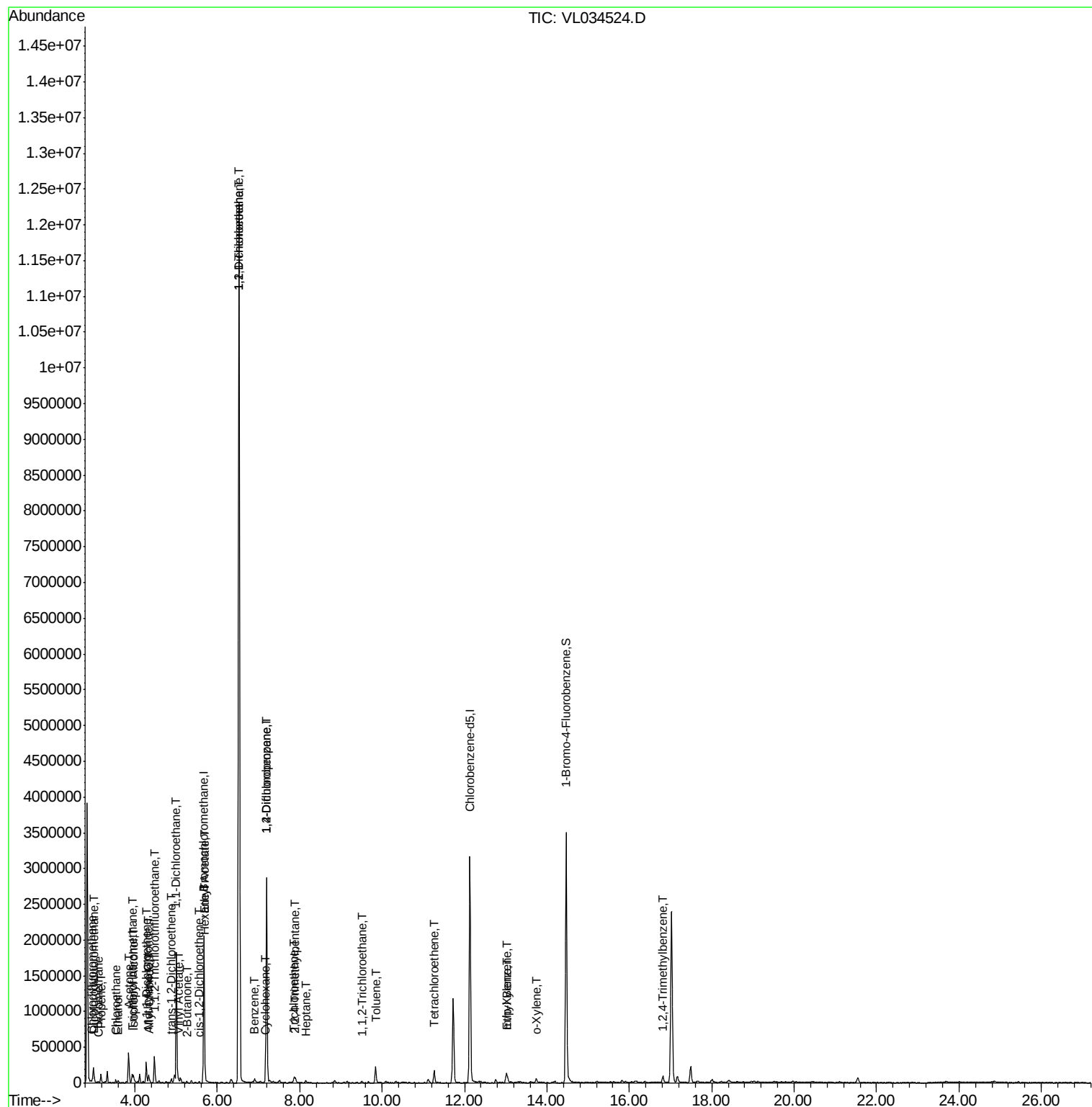
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	39314	0.274	ppbv	95
3) Chlorodifluoromethane	2.96	51	42860	0.395	ppbv #	85
4) Chloromethane	3.11	50	7439	0.116	ppbv #	60
7) Chloroethane	3.53	64	24019	1.093	ppbv	91
9) Propene	3.18	41	31404	0.751	ppbv	98
10) Heptane	8.14	43	3779	0.035	ppbv #	26
11) Trichlorofluoromethane	3.93	101	69711	0.420	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.47	101	119796	1.134	ppbv	97
13) Ethanol	3.59	45	15367	1.325	ppbv #	38
15) Acetone	3.84	43	358968	2.703	ppbv #	89
18) 1,1-Dichloroethene	4.28	96	72528	1.576	ppbv	93
19) Isopropyl Alcohol	3.96	45	99869	1.162	ppbv #	88
20) Methylene Chloride	4.33	84	34700	0.664	ppbv #	94
21) Allyl Chloride	4.36	41	3116	0.041	ppbv #	1
22) trans-1,2-Dichloroethene	4.88	96	12516	0.267	ppbv	91
23) Vinyl Acetate	5.07	43	8225	0.054	ppbv #	63
24) 1,1-Dichloroethane	5.01	63	1468078	11.920	ppbv	100
25) Ethyl Acetate	5.69	43	27611	0.133	ppbv #	84
26) Hexane	5.69	57	31236	0.357	ppbv #	40
30) Cyclohexane	7.15	84	2693	0.041	ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	6429	0.072	ppbv #	56
32) 1,1,1-Trichloroethane	6.53	97	7763559	49.467	ppbv	90
34) 2-Butanone	5.25	43	19480	0.150	ppbv #	83
36) Benzene	6.91	78	32373	0.204	ppbv #	86
37) 1,2-Dichloroethane	6.53	62	758560	5.898	ppbv #	1
38) Trichloroethene	7.86	130	11491	0.180	ppbv	97
39) 1,2-Dichloropropane	7.19	63	547537	8.408	ppbv #	21
44) 2,2,4-Trimethylpentane	7.89	57	15255	0.052	ppbv #	41
47) 1,1,2-Trichloroethane	9.51	97	4866	0.068	ppbv #	81
52) Tetrachloroethene	11.28	164	7932	0.128	ppbv	87
53) Toluene	9.84	91	138448	0.796	ppbv	99
58) Ethyl Benzene	13.04	91	36263	0.148	ppbv	97
59) m/p-Xylene	13.04	91	36263	0.170	ppbv #	32
60) o-Xylene	13.75	91	43737	0.204	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	28547	0.113	ppbv #	67

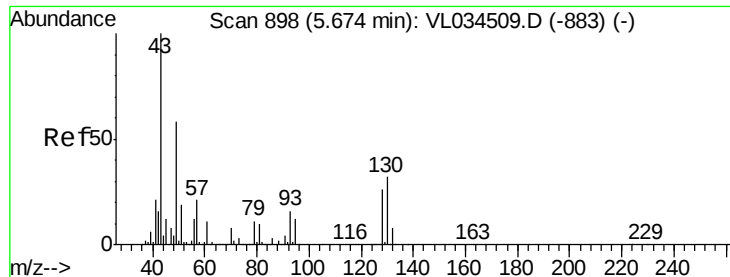
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034524.D
Acq On : 30 Dec 2019 23:09
Operator : SY/AP
Sample : K6388-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Quant Time: Dec 31 05:02:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

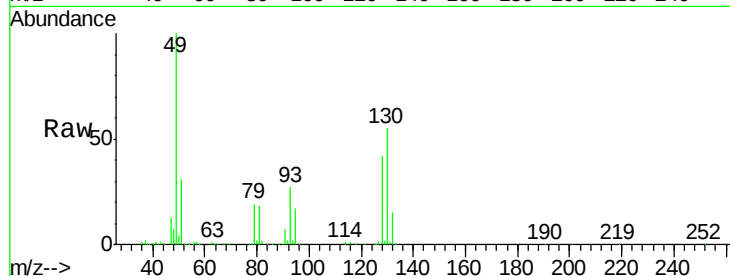
Tgt Ion: 49 Resp: 909887

Ion Ratio Lower Upper

49 100

128 43.1 22.4 67.2

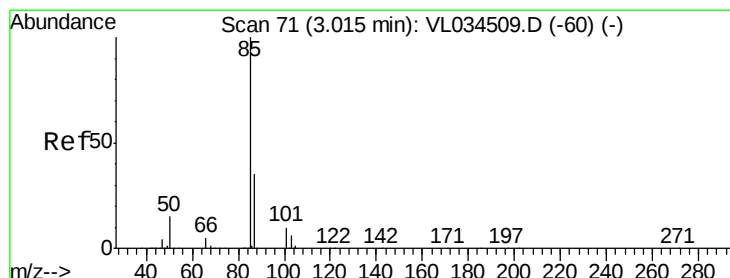
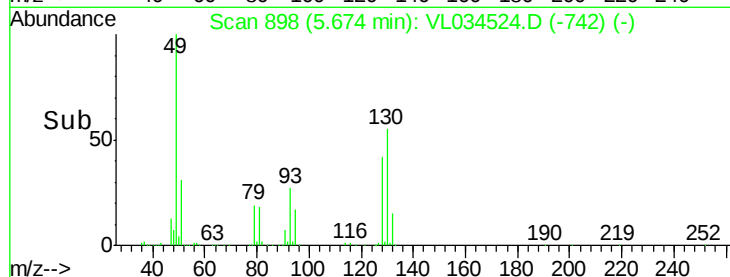
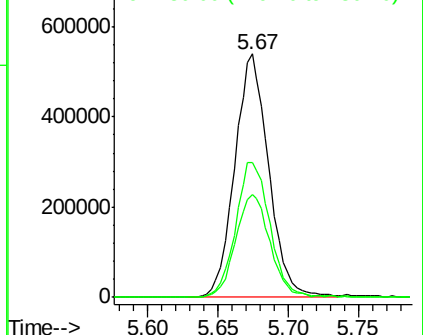
130 56.1 28.3 85.0



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: 0.274 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL034524.D

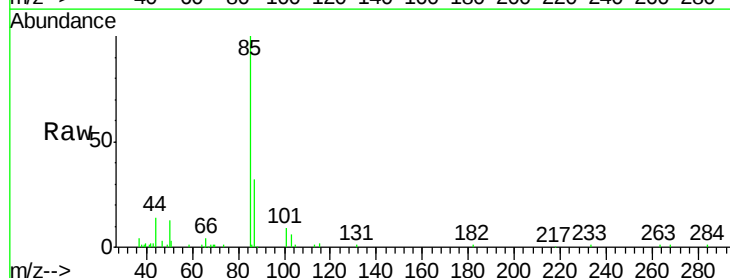
Acq: 30 Dec 2019 23:09

Tgt Ion: 85 Resp: 39314

Ion Ratio Lower Upper

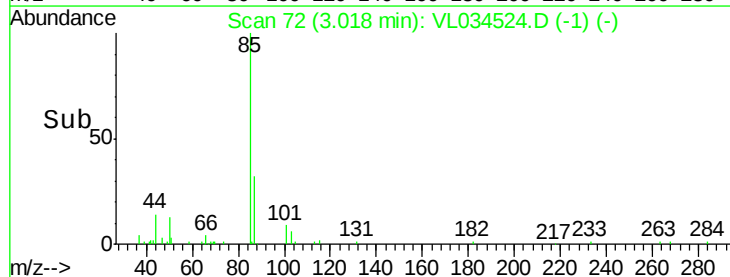
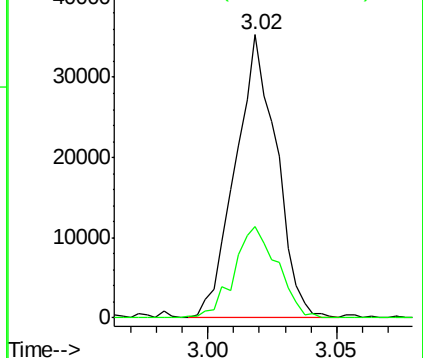
85 100

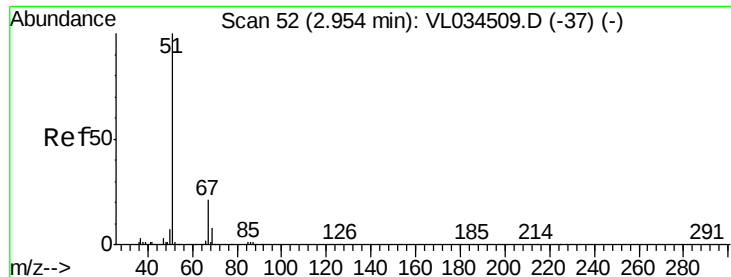
87 32.2 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.395 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

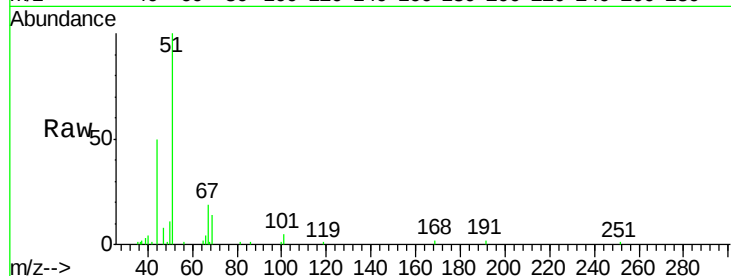
INFLUENT

Tgt Ion: 51 Resp: 42860

Ion Ratio Lower Upper

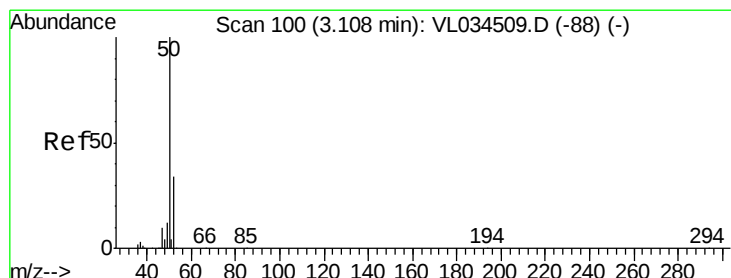
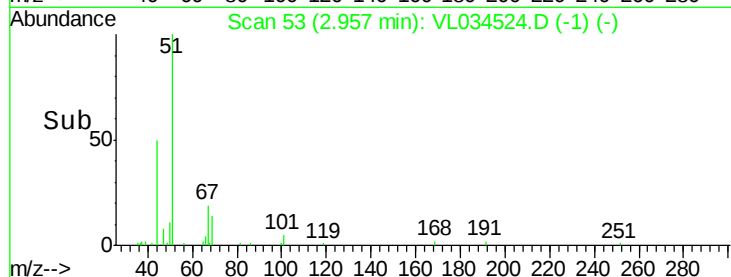
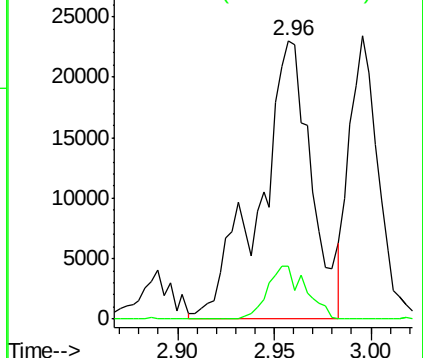
51 100

67 14.1 16.8 25.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.116 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.00 min

Lab File: VL034524.D

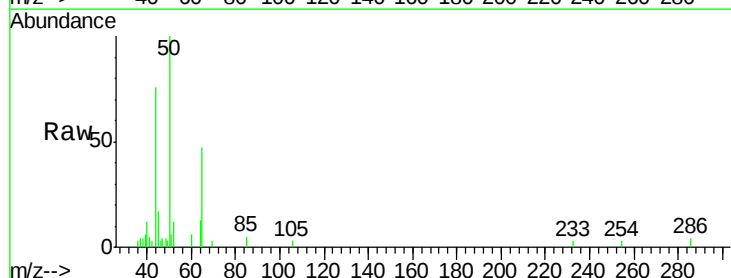
Acq: 30 Dec 2019 23:09

Tgt Ion: 50 Resp: 7439

Ion Ratio Lower Upper

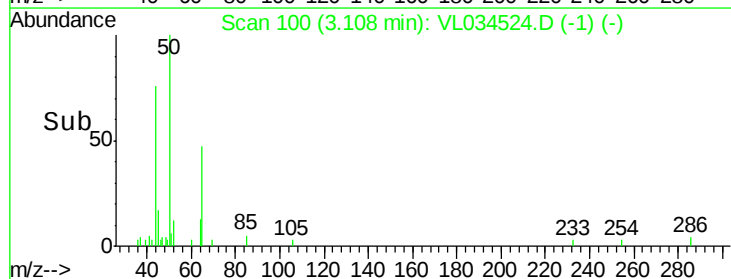
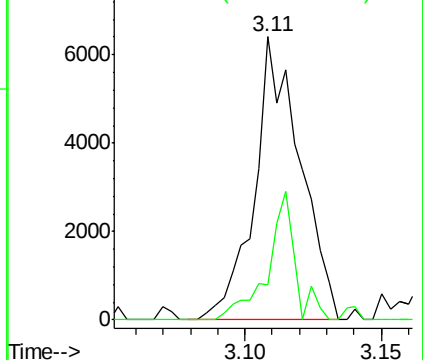
50 100

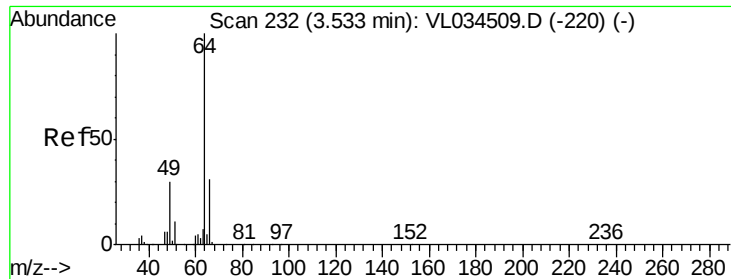
52 11.7 27.6 41.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 1.093 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

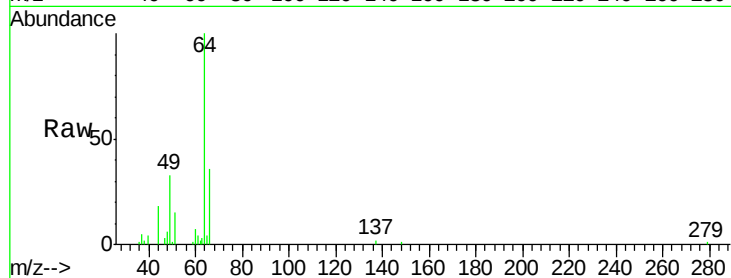
INFLUENT

Tgt Ion: 64 Resp: 24019

Ion Ratio Lower Upper

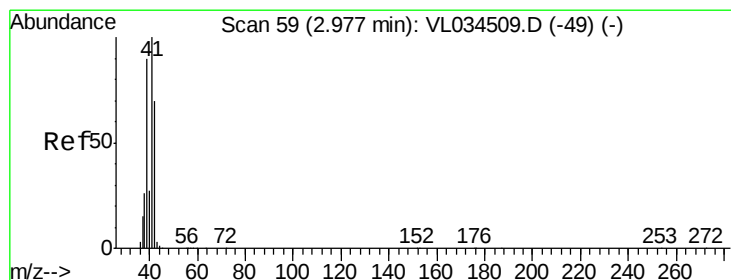
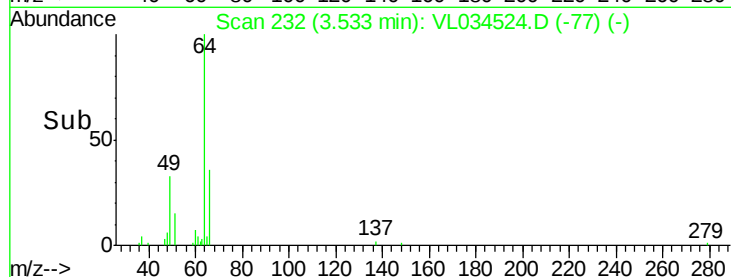
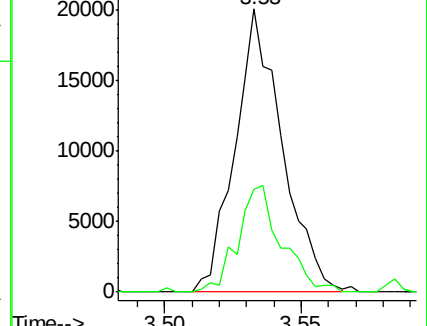
64 100

66 36.3 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.751 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.20 min

Lab File: VL034524.D

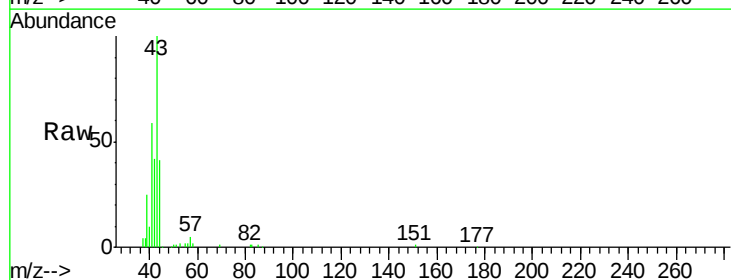
Acq: 30 Dec 2019 23:09

Tgt Ion: 41 Resp: 31404

Ion Ratio Lower Upper

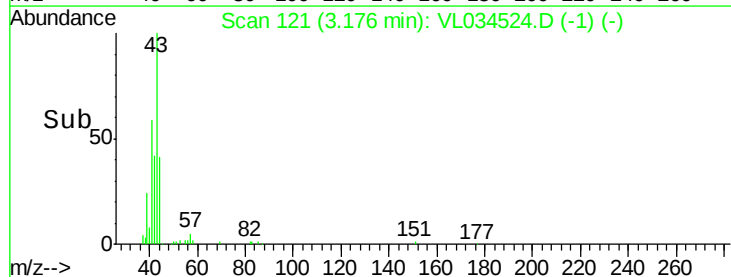
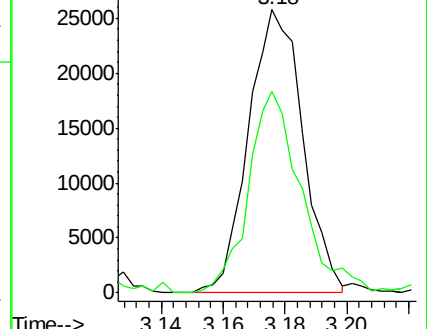
41 100

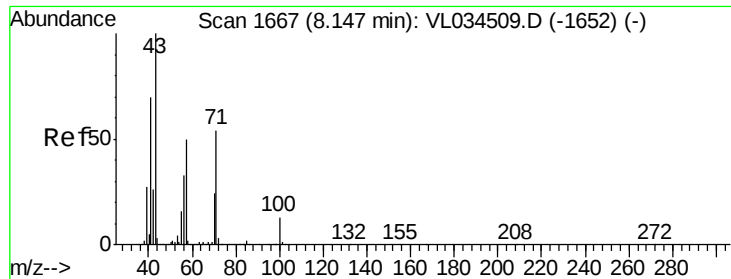
42 71.1 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

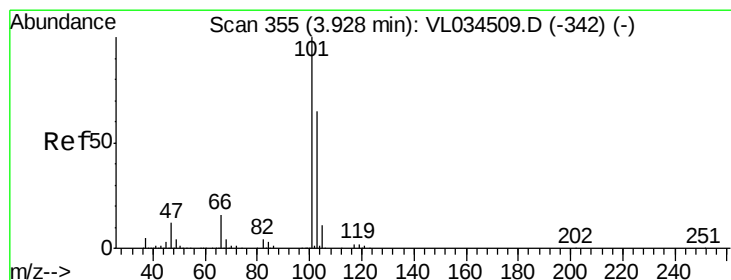
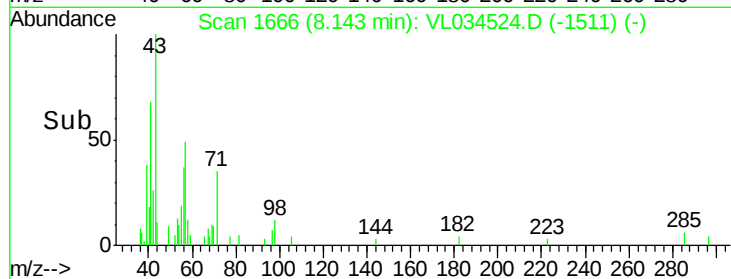
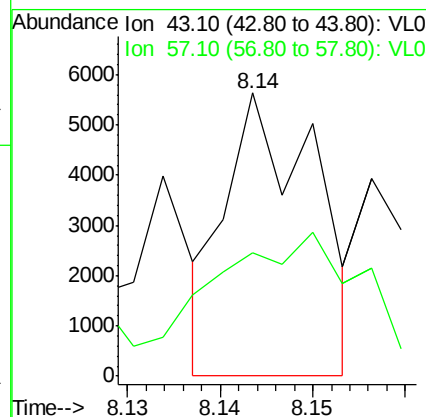
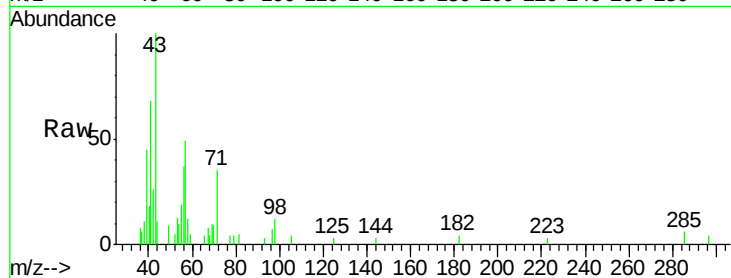




#10
Heptane
Concen: 0.035 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VL034524.D
Acq: 30 Dec 2019 23:09

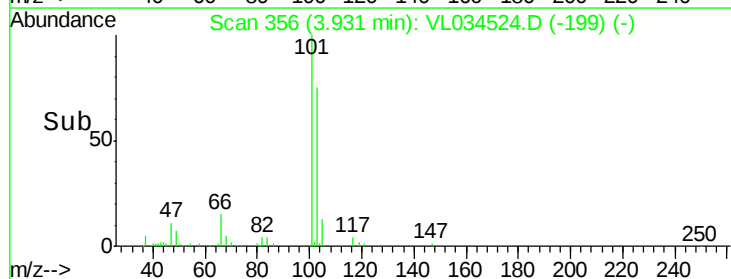
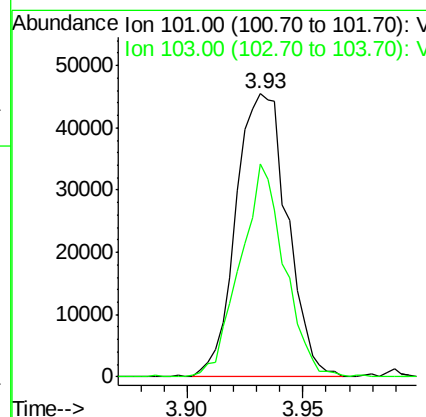
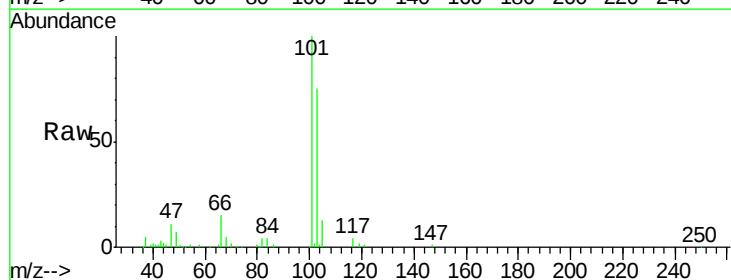
Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

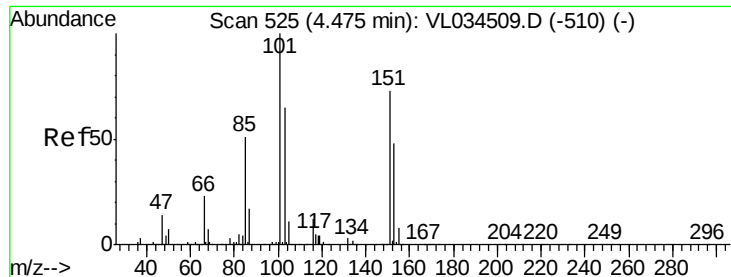
Tgt Ion: 43 Resp: 3779
Ion Ratio Lower Upper
43 100
57 0.0 41.0 61.6#



#11
Trichlorofluoromethane
Concen: 0.420 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL034524.D
Acq: 30 Dec 2019 23:09

Tgt Ion: 101 Resp: 69711
Ion Ratio Lower Upper
101 100
103 74.7 52.1 78.1





#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.134 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

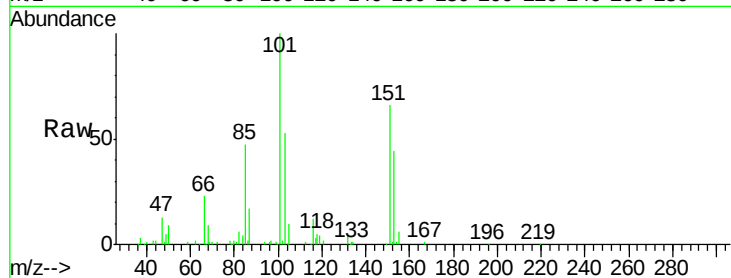
INFLUENT

Tgt Ion:101 Resp: 119796

Ion Ratio Lower Upper

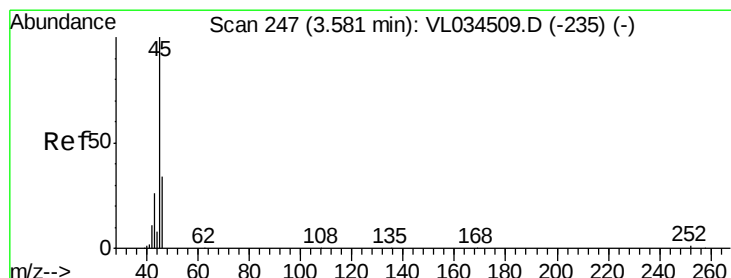
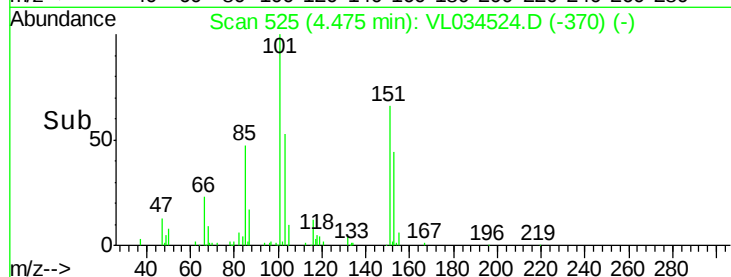
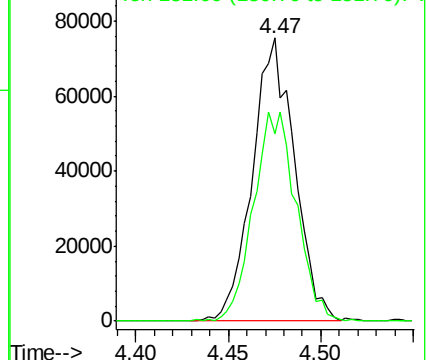
101 100

151 74.7 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 1.325 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL034524.D

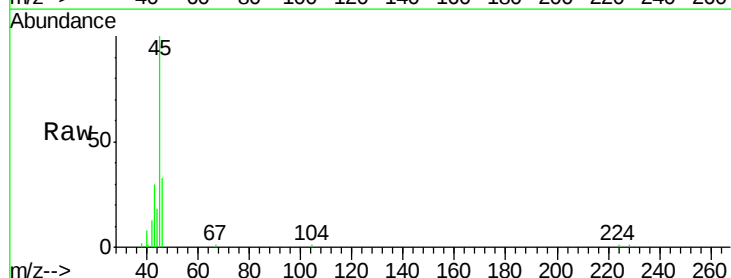
Acq: 30 Dec 2019 23:09

Tgt Ion: 45 Resp: 15367

Ion Ratio Lower Upper

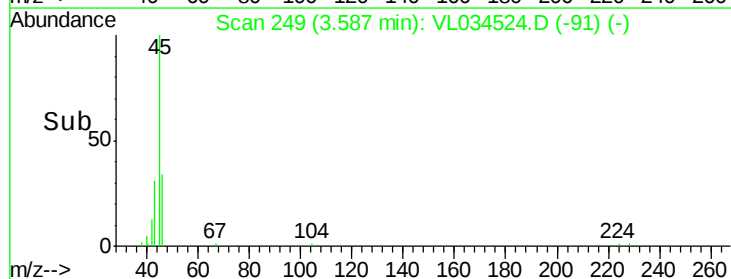
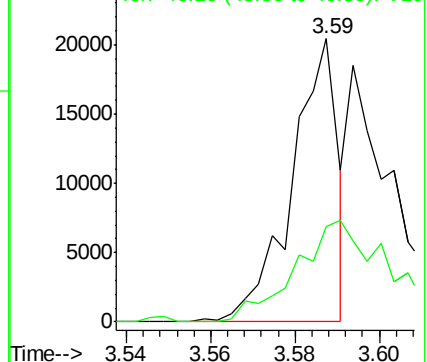
45 100

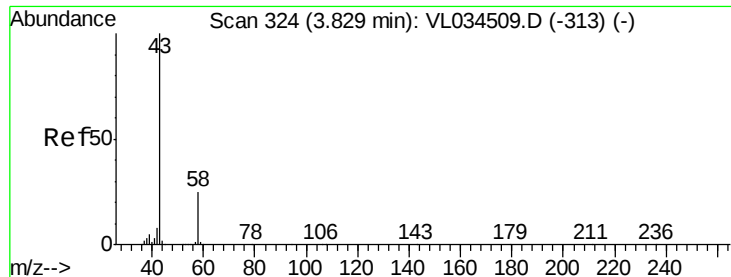
46 0.0 14.9 59.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.703 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

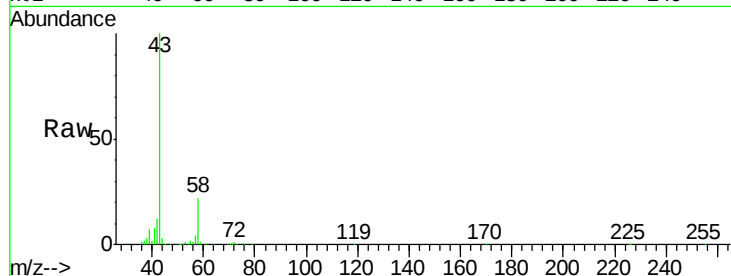
INFLUENT

Tgt Ion: 43 Resp: 358968

Ion Ratio Lower Upper

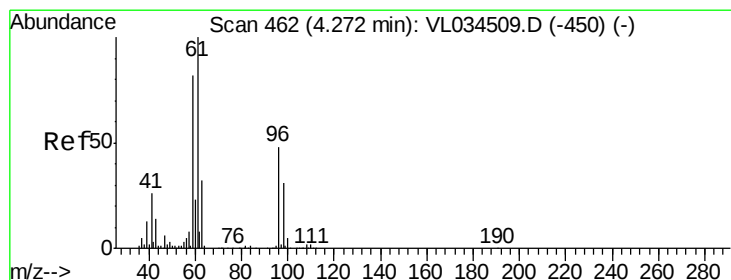
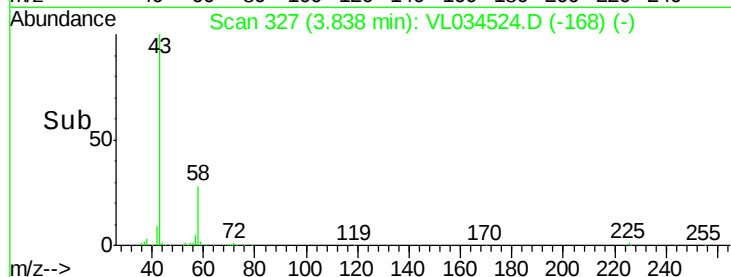
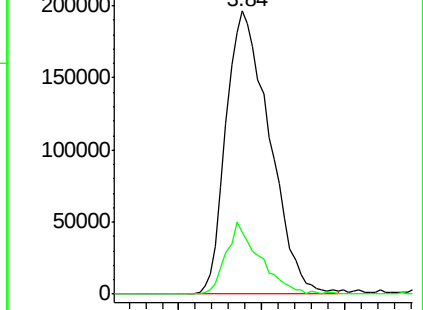
43 100

58 19.9 20.4 30.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#18

1,1-Dichloroethene

Concen: 1.576 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

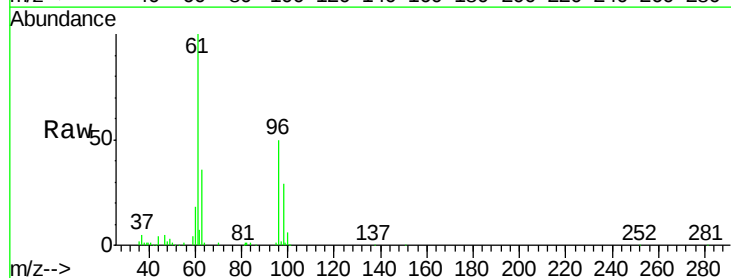
Tgt Ion: 96 Resp: 72528

Ion Ratio Lower Upper

96 100

61 198.4 165.9 248.9

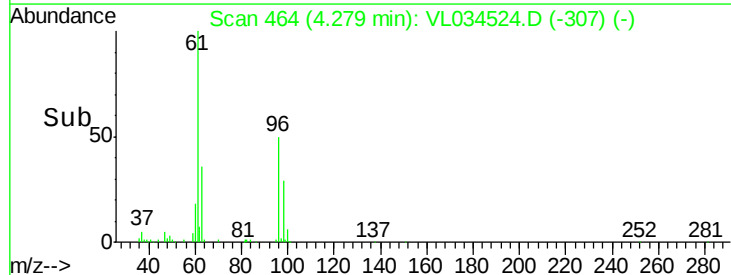
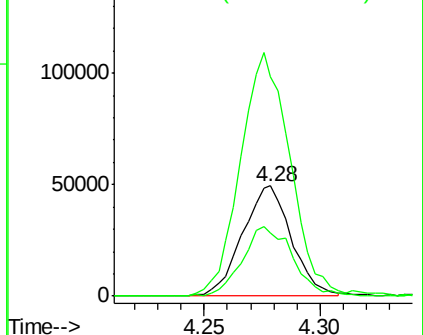
98 57.6 51.9 77.9

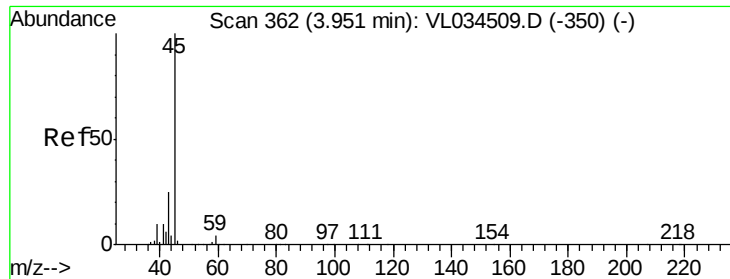


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.162 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

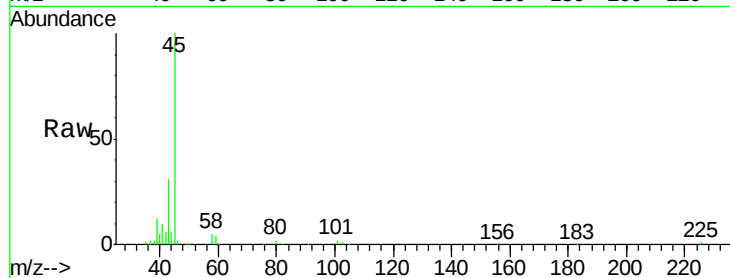
INFLUENT

Tgt Ion: 45 Resp: 99869

Ion Ratio Lower Upper

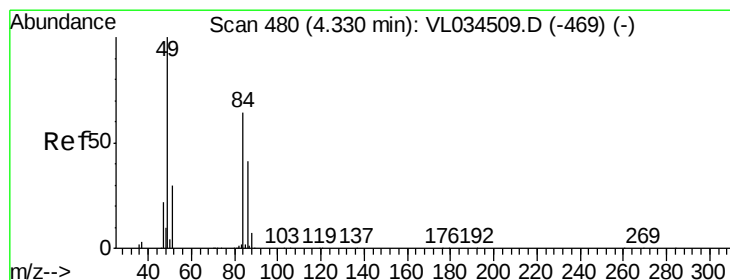
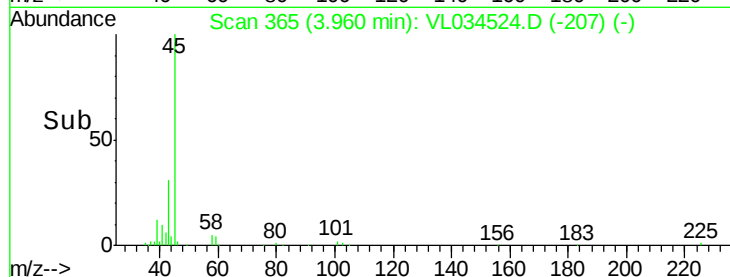
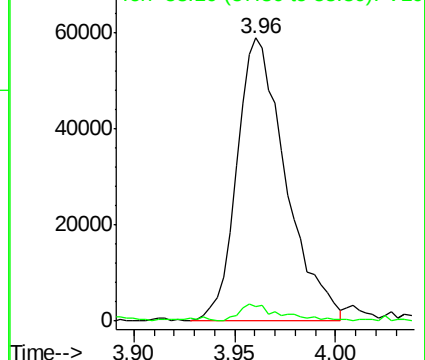
45 100

58 6.1 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.664 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Tgt Ion: 84 Resp: 34700

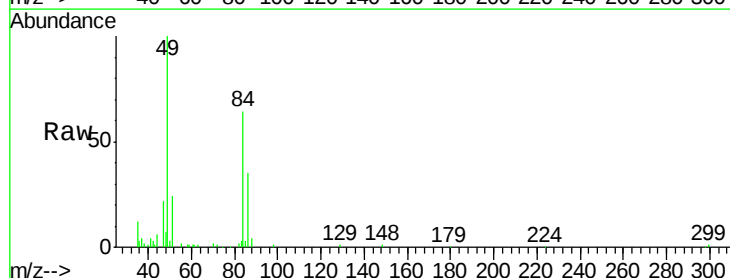
Ion Ratio Lower Upper

84 100

49 154.4 124.4 186.6

51 36.4 37.0 55.6#

86 54.1 50.9 76.3

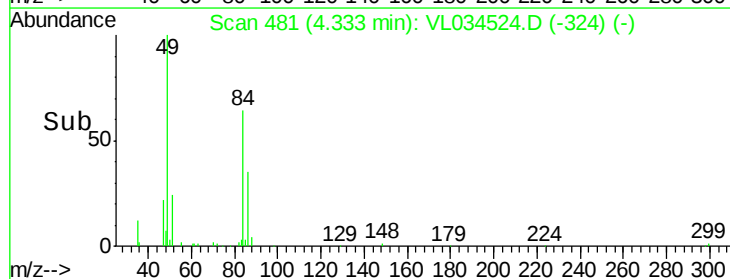
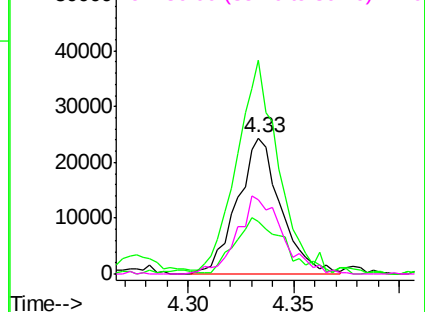


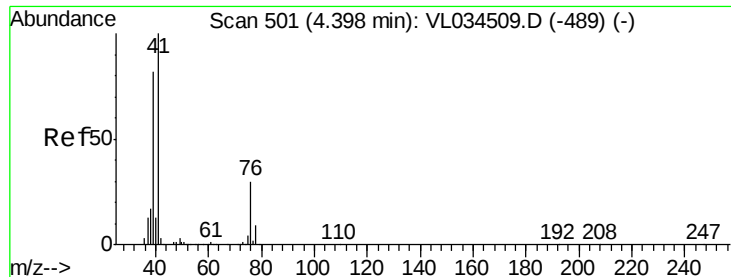
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.041 ppbv

RT: 4.36 min Scan# 488

Delta R.T. -0.04 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

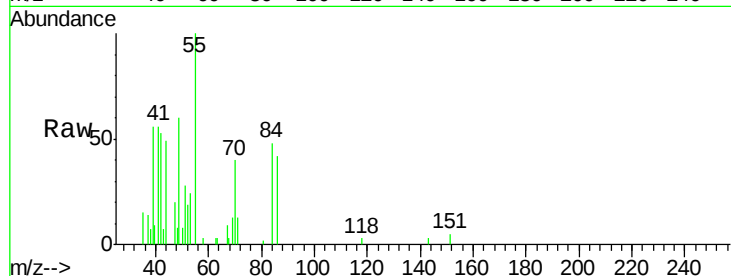
Tgt Ion: 41 Resp: 3116

Ion Ratio Lower Upper

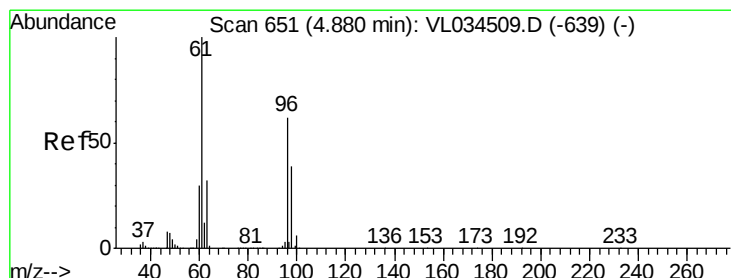
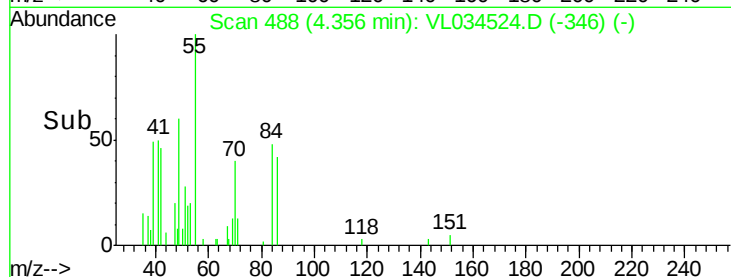
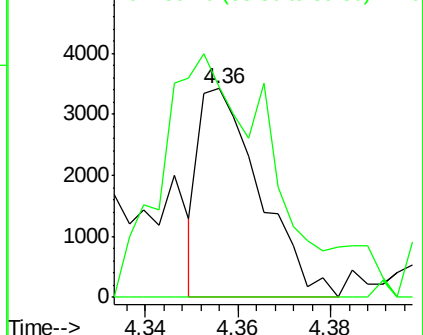
41 100

76 0.0 24.2 36.4#

39 244.2 65.8 98.6#



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



#22

trans-1,2-Dichloroethene

Concen: 0.267 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

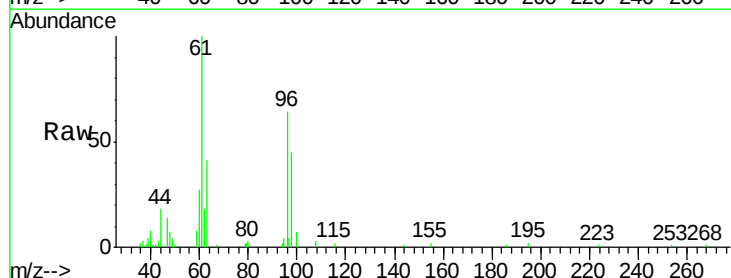
Tgt Ion: 96 Resp: 12516

Ion Ratio Lower Upper

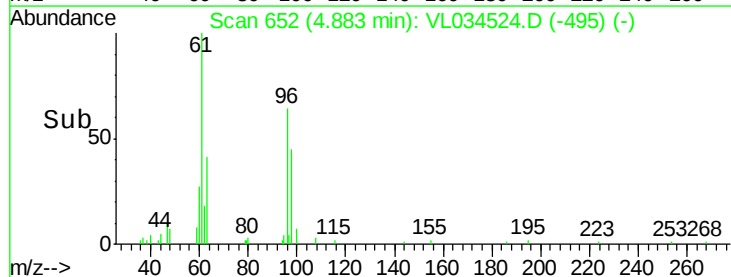
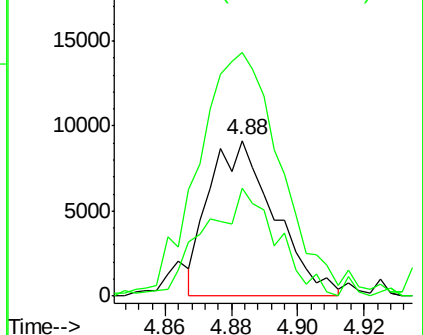
96 100

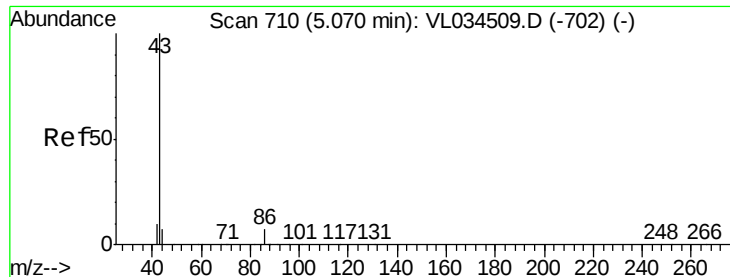
61 150.9 128.4 192.6

98 72.8 50.6 75.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.054 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tgt Ion: 43 Resp: 8225

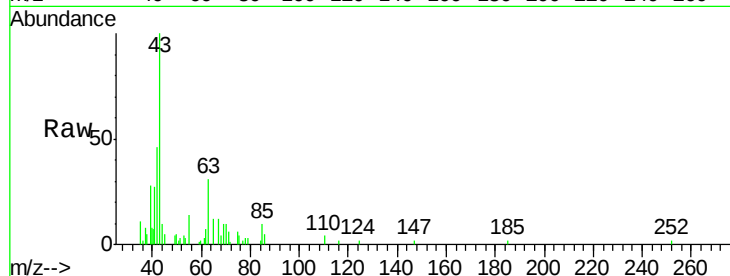
Ion Ratio Lower Upper

43 100

86 4.9 5.4 8.2#

42 38.3 8.9 13.3#

44 9.4 5.0 7.4#

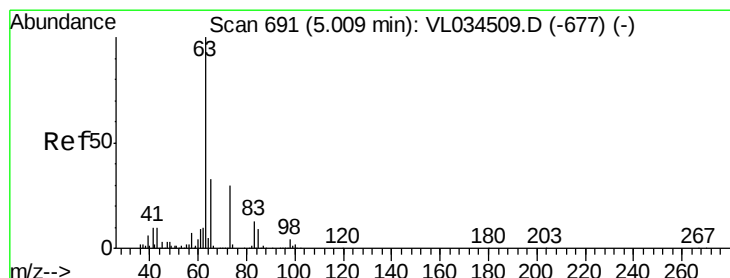
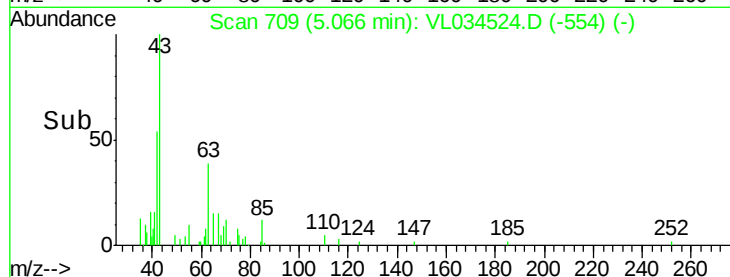
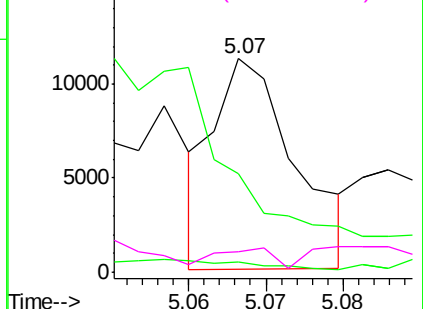


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 11.920 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

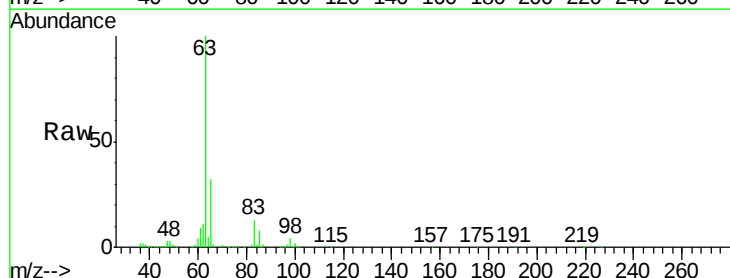
Tgt Ion: 63 Resp: 1468078

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.3

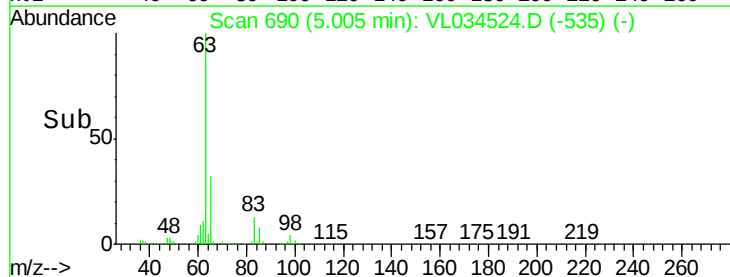
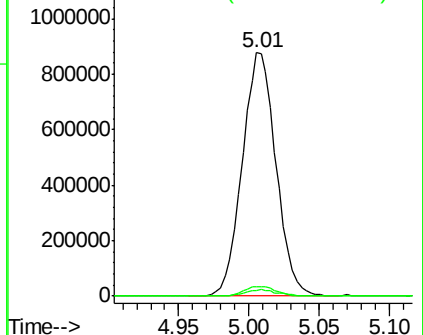
100 2.4 1.1 3.3

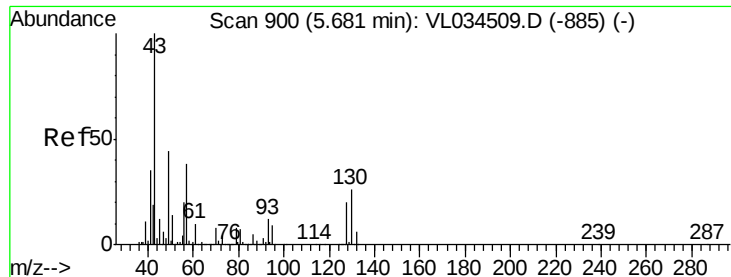


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.133 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

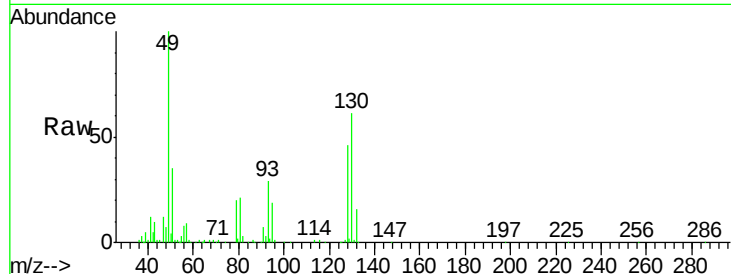
Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tgt Ion:	43	Resp:	27611
Ion	Ratio	Lower	Upper
43	100		
45	3.9	8.3	12.5#
61	2.2	7.8	11.6#
70	4.2	5.8	8.8#



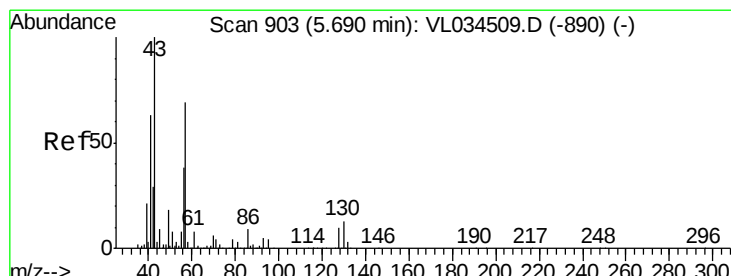
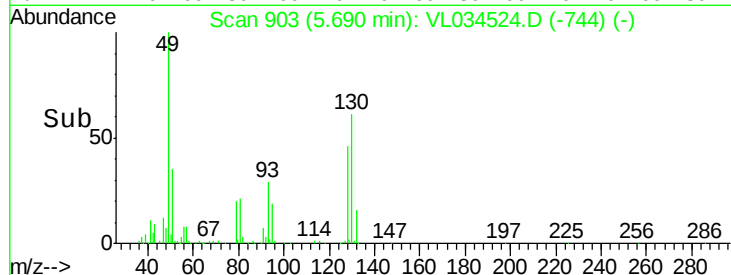
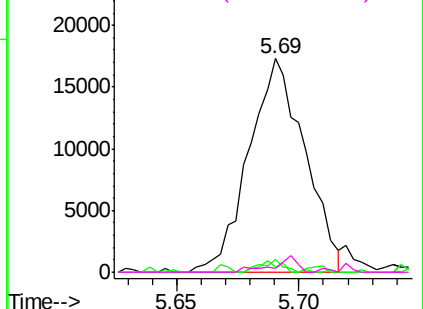
Abundance

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: 0.357 ppbv

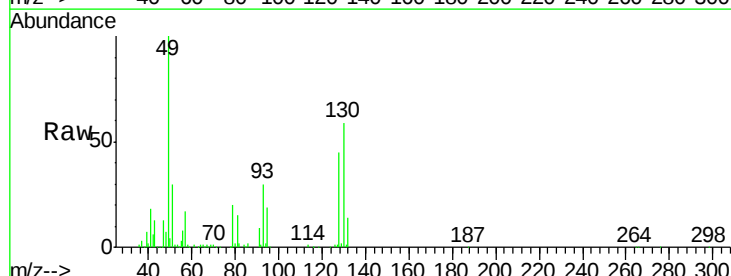
RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Tgt Ion:	57	Resp:	31236
Ion	Ratio	Lower	Upper
57	100		
41	116.3	75.3	112.9#
43	93.2	189.4	284.2#
56	63.6	42.8	64.2



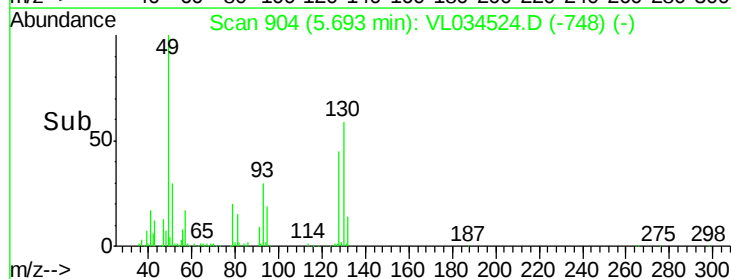
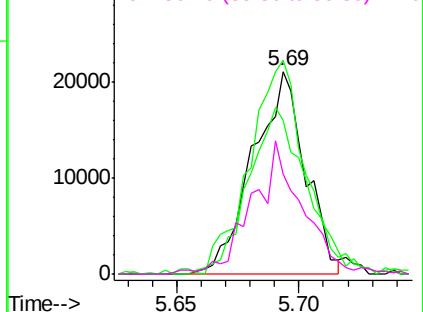
Abundance

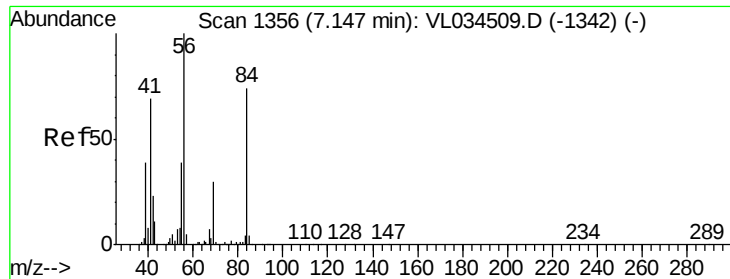
Ion 57.10 (56.80 to 57.80): VL0

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

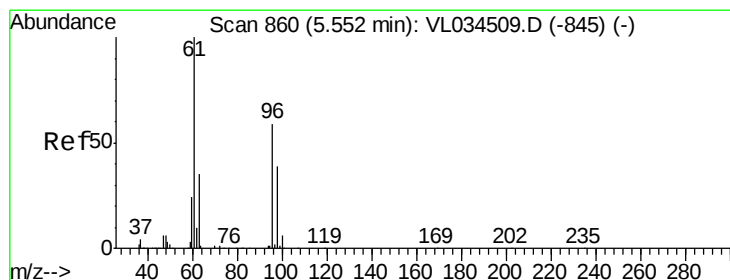
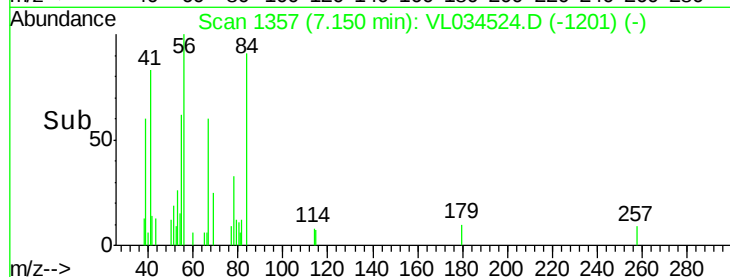
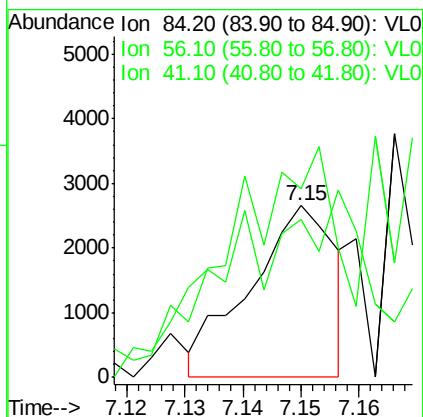
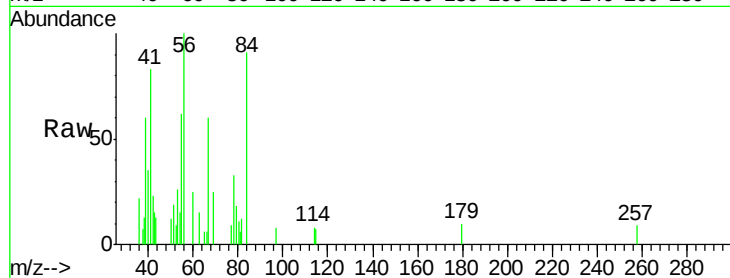




#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL034524.D
Acq: 30 Dec 2019 23:09

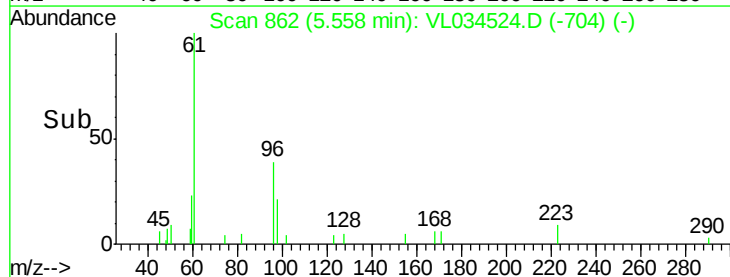
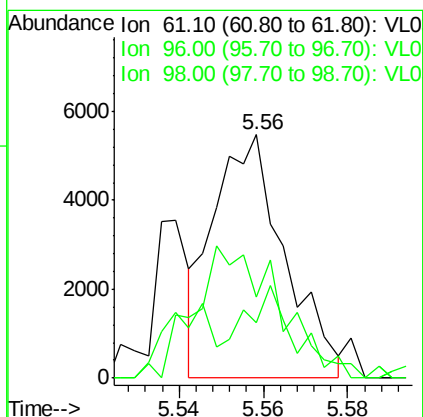
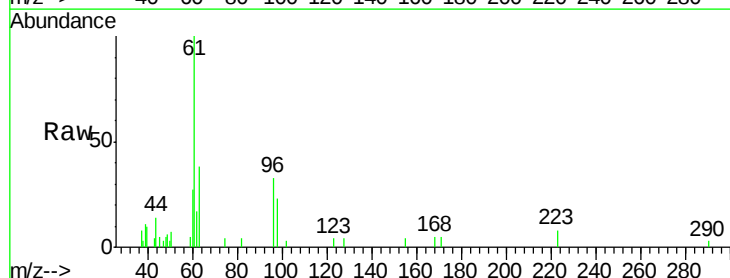
Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

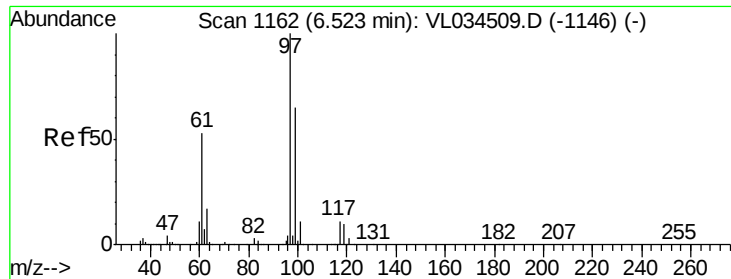
Tgt Ion: 84 Resp: 2693
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1#
41 0.0 73.0 109.4#



#31
cis-1,2-Dichloroethene
Concen: 0.072 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL034524.D
Acq: 30 Dec 2019 23:09

Tgt Ion: 61 Resp: 6429
Ion Ratio Lower Upper
61 100
96 25.3 47.1 70.7#
98 12.5 31.0 46.6#





#32

1,1,1-Trichloroethane

Concen: 49.467 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

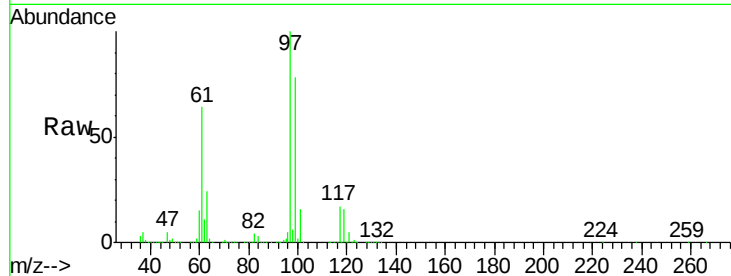
Tgt Ion: 97 Resp: 7763559

Ion Ratio Lower Upper

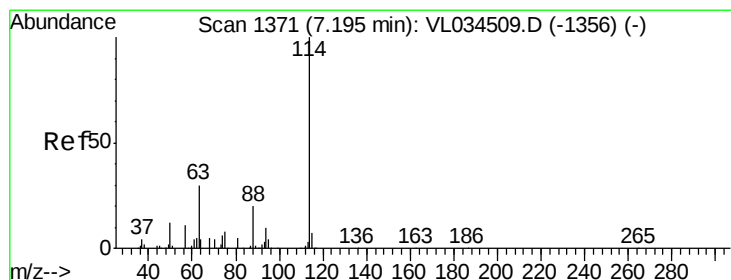
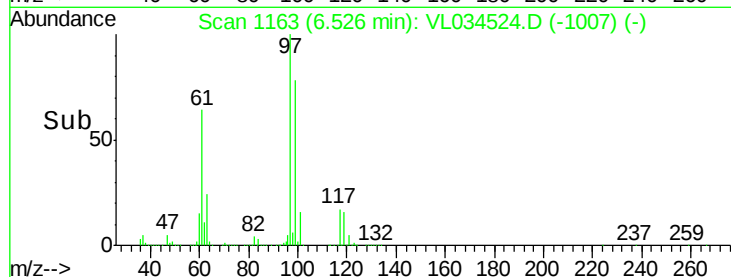
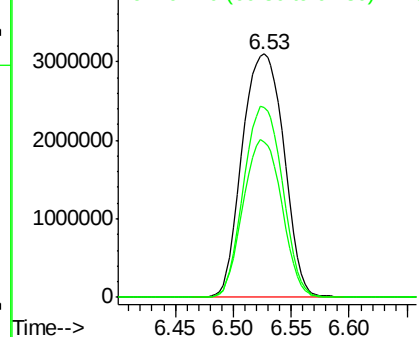
97 100

99 73.3 51.7 77.5

61 60.4 42.9 64.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

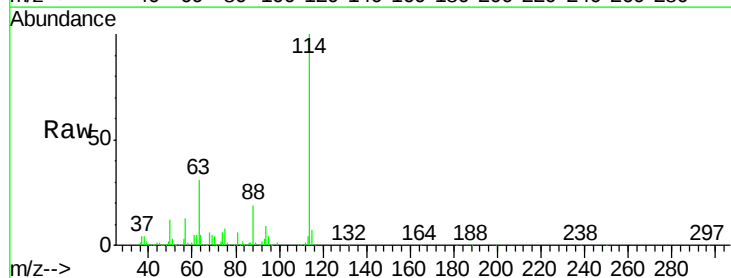
Tgt Ion: 114 Resp: 1816803

Ion Ratio Lower Upper

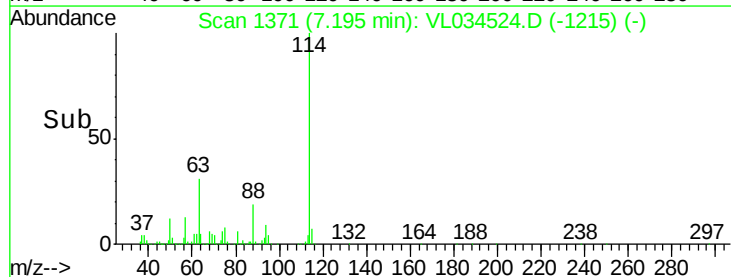
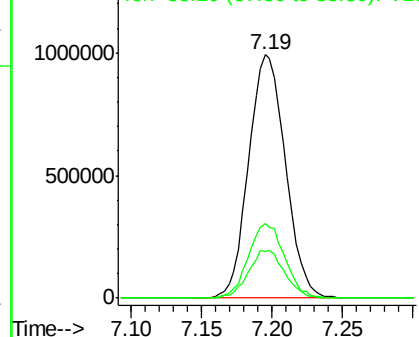
114 100

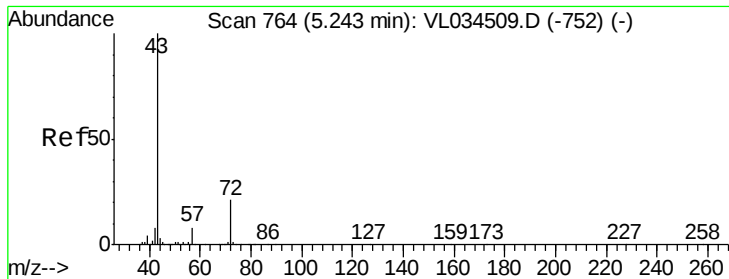
63 30.2 24.1 36.1

88 19.4 15.7 23.5



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: 0.150 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.01 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

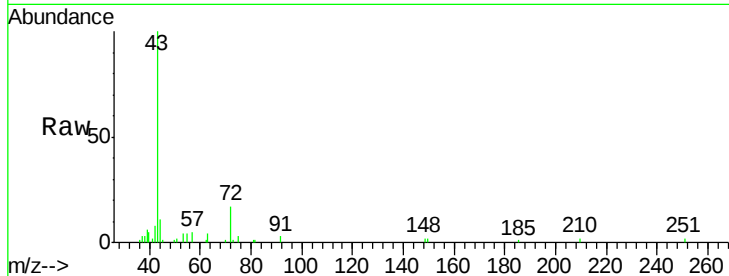
INFLUENT

Tgt Ion: 43 Resp: 19480

Ion Ratio Lower Upper

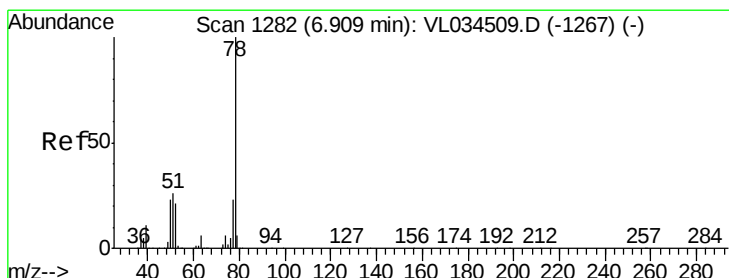
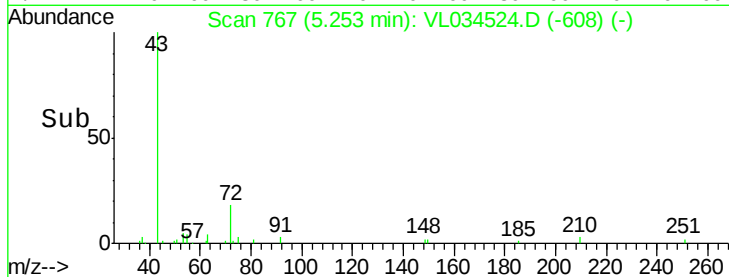
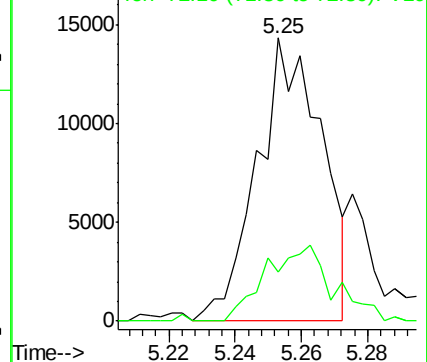
43 100

72 29.1 17.0 25.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#36

Benzene

Concen: 0.204 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

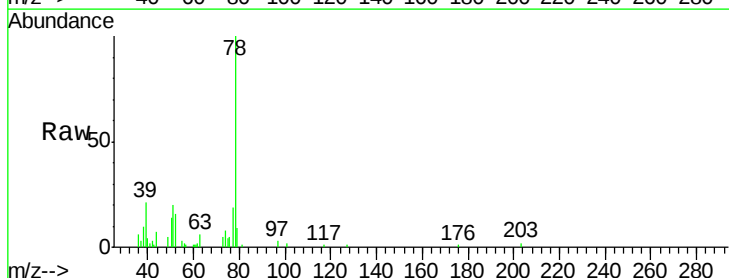
Tgt Ion: 78 Resp: 32373

Ion Ratio Lower Upper

78 100

77 18.4 18.6 28.0#

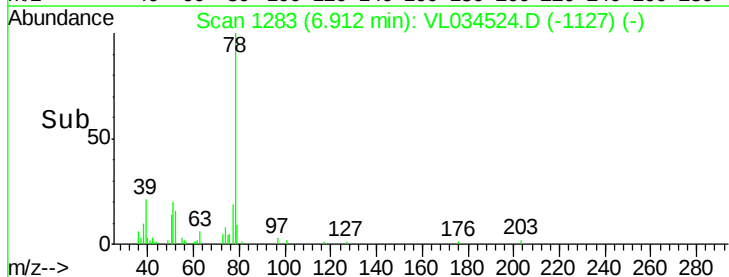
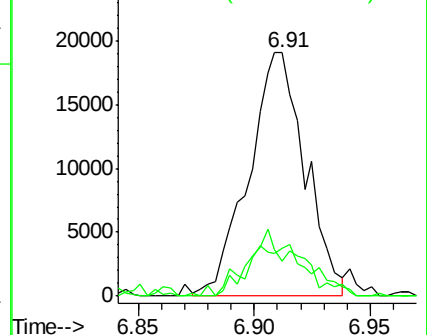
50 14.4 18.8 28.2#

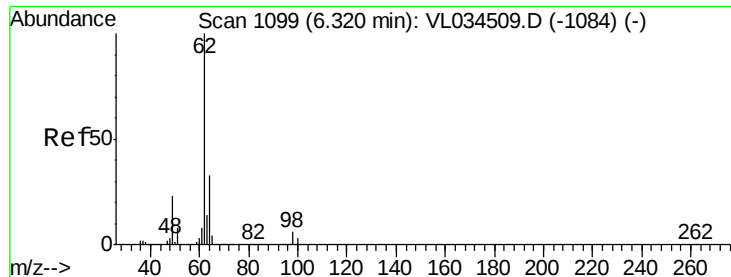


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

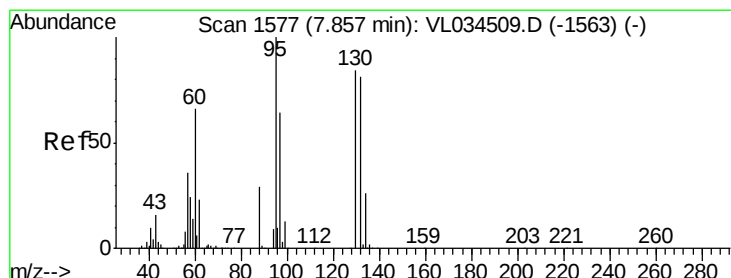
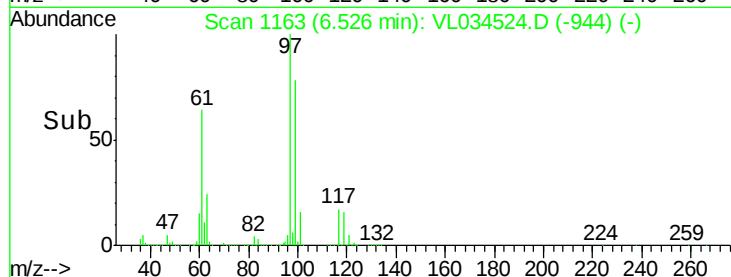
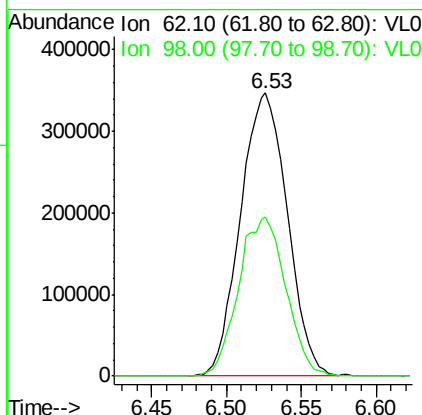
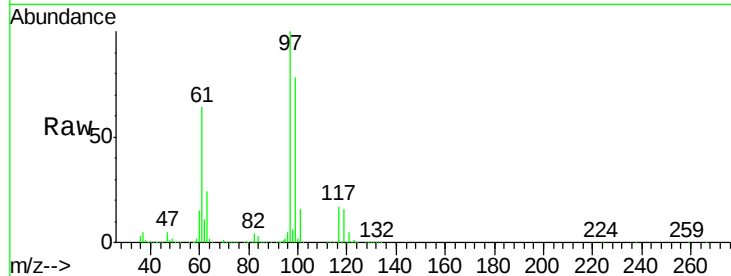




#37
 1,2-Dichloroethane
 Concen: 5.898 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.21 min
 Lab File: VL034524.D
 Acq: 30 Dec 2019 23:09

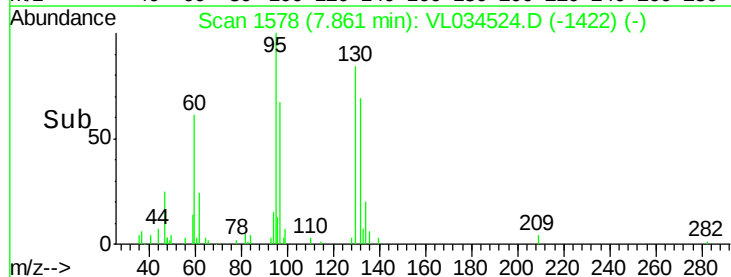
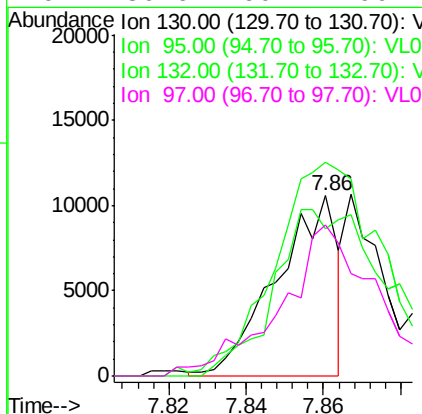
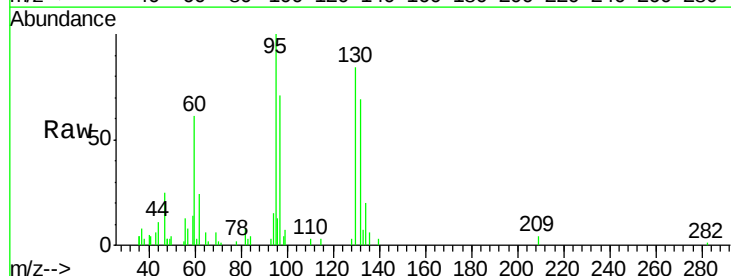
Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENT

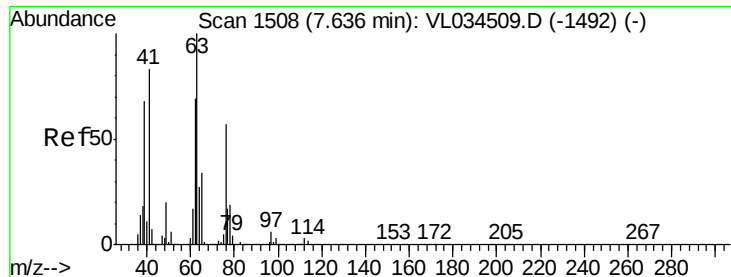
Tgt Ion: 62 Resp: 758560
 Ion Ratio Lower Upper
 62 100
 98 56.5 3.8 5.6#



#38
 Trichloroethene
 Concen: 0.180 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL034524.D
 Acq: 30 Dec 2019 23:09

Tgt Ion: 130 Resp: 11491
 Ion Ratio Lower Upper
 130 100
 95 119.2 94.2 141.2
 132 91.7 76.1 114.1
 97 80.6 60.2 90.2





#39

1,2-Dichloropropane

Concen: 8.408 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.44 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

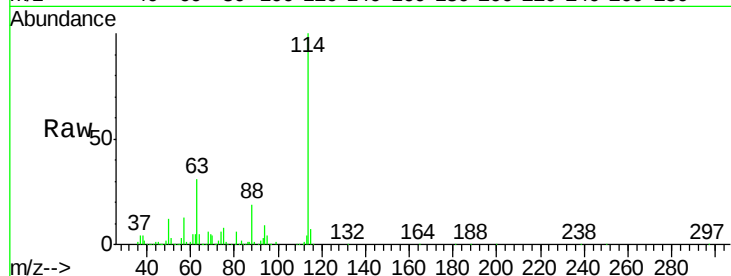
Tgt Ion: 63 Resp: 547537

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

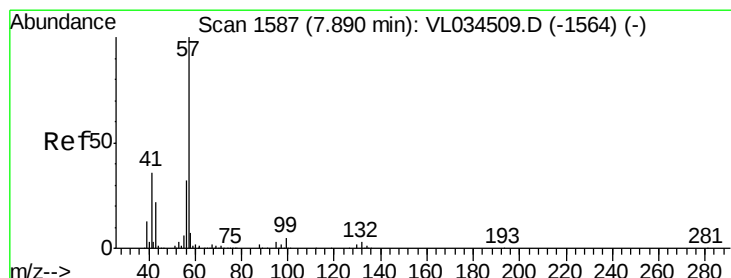
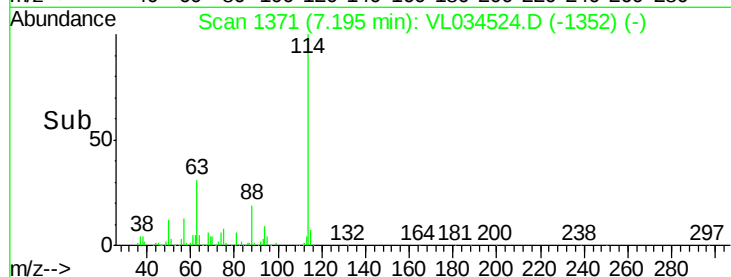
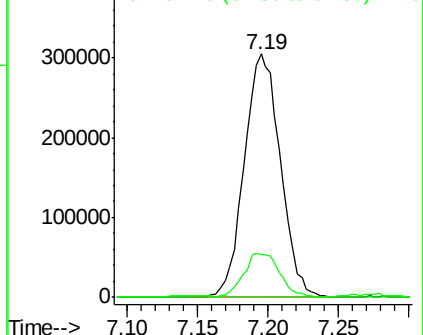
62 17.6 54.9 82.3#



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: 0.052 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

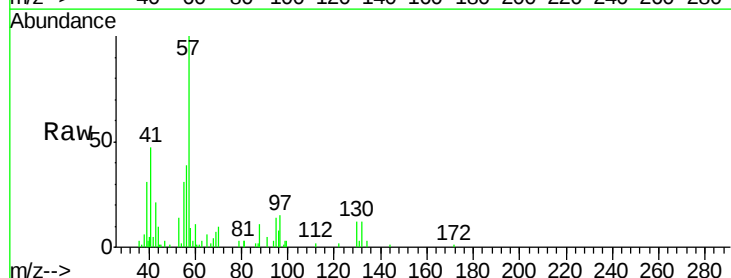
Tgt Ion: 57 Resp: 15255

Ion Ratio Lower Upper

57 100

41 0.0 29.0 43.4#

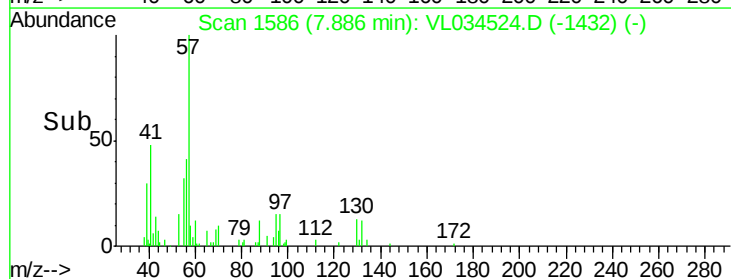
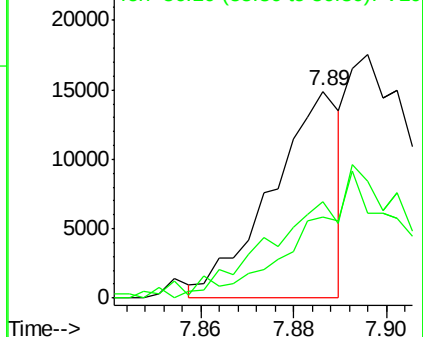
56 0.0 24.9 37.3#

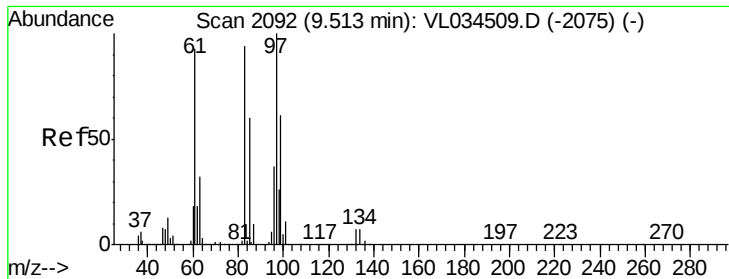


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#47

1,1,2-Trichloroethane

Concen: 0.068 ppbv

RT: 9.51 min Scan# 2091

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tgt Ion: 97 Resp: 4866

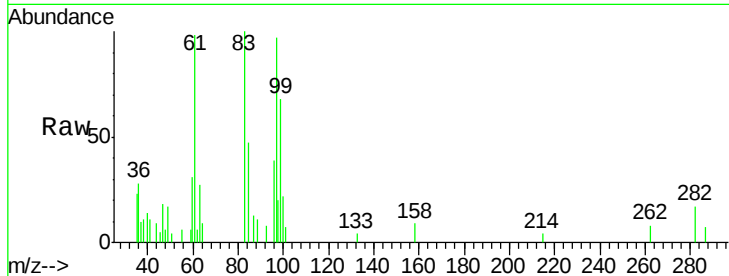
Ion Ratio Lower Upper

97 100

83 102.7 75.0 112.4

85 47.8 48.2 72.4#

99 87.0 48.5 72.7#

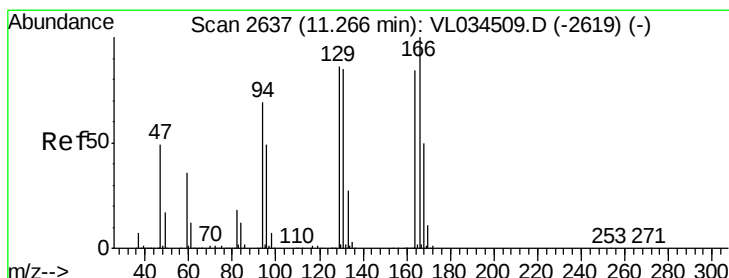
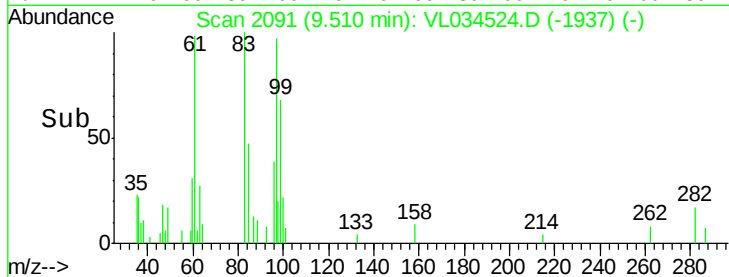
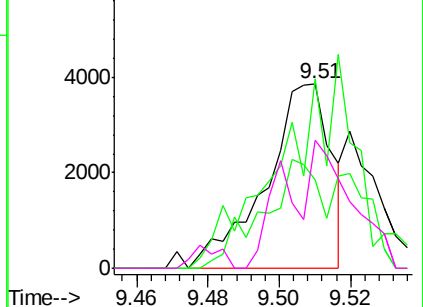


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#52

Tetrachloroethene

Concen: 0.128 ppbv

RT: 11.28 min Scan# 2641

Delta R.T. 0.01 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Tgt Ion: 164 Resp: 7932

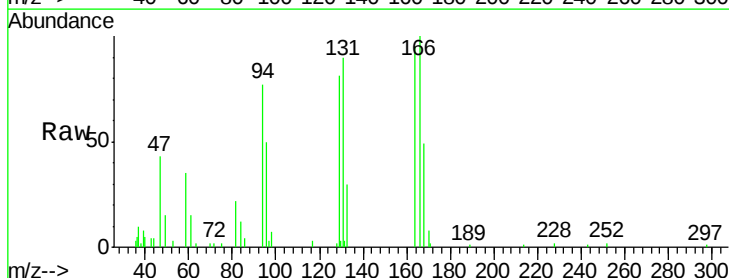
Ion Ratio Lower Upper

164 100

166 103.4 95.7 143.5

129 84.0 82.2 123.2

131 97.1 81.3 121.9

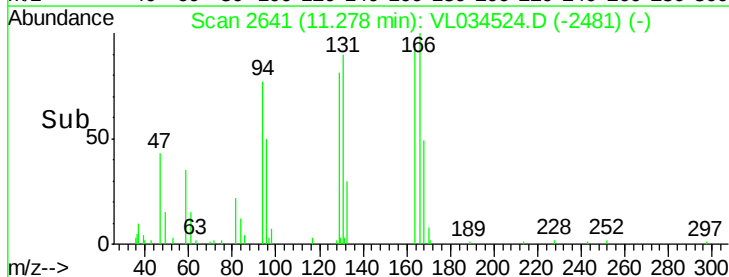
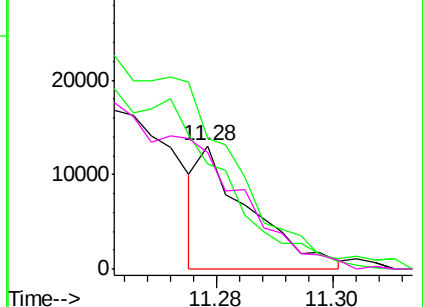


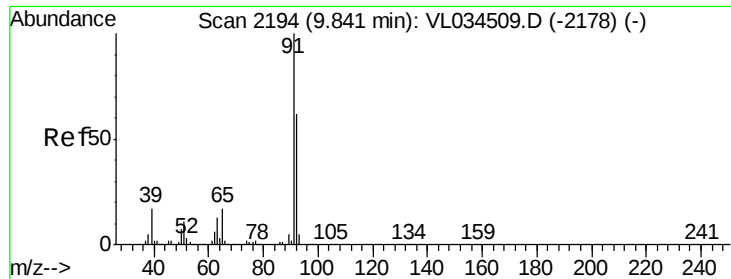
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.796 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

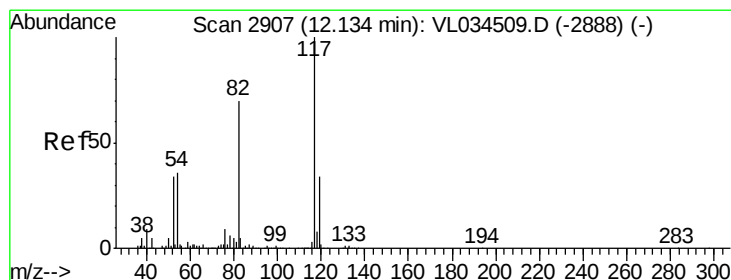
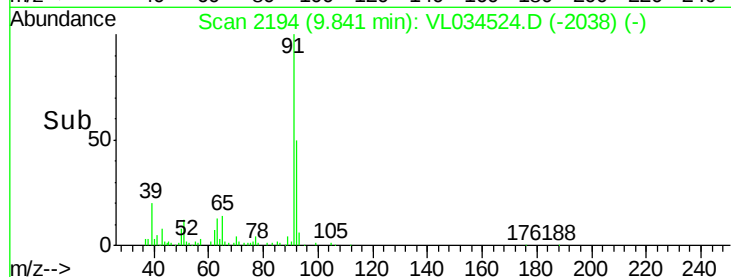
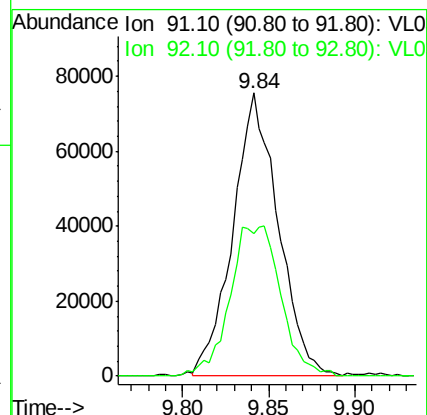
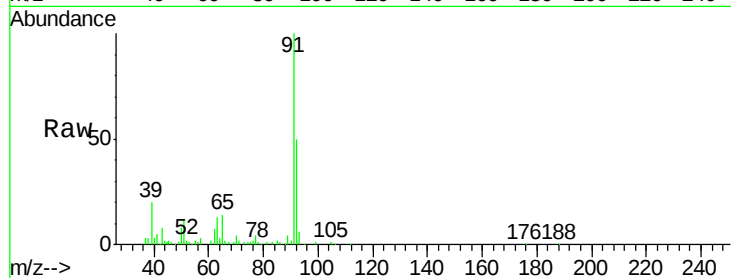
INFLUENT

Tgt Ion: 91 Resp: 138448

Ion Ratio Lower Upper

91 100

92 59.4 48.4 72.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

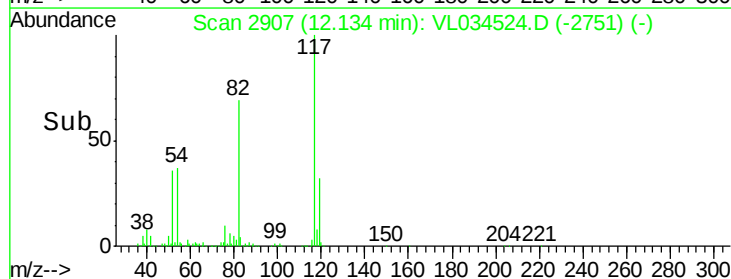
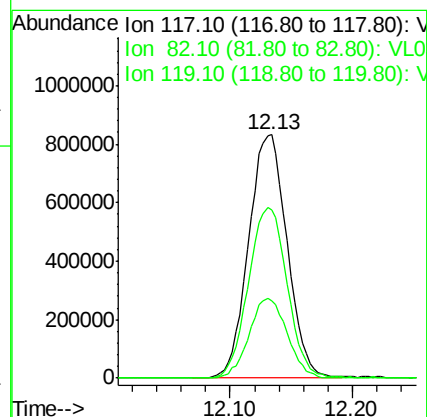
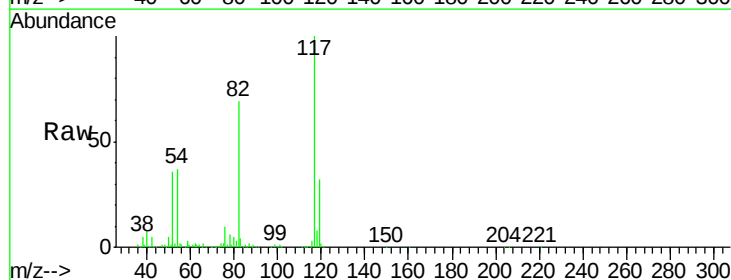
Tgt Ion: 117 Resp: 1811816

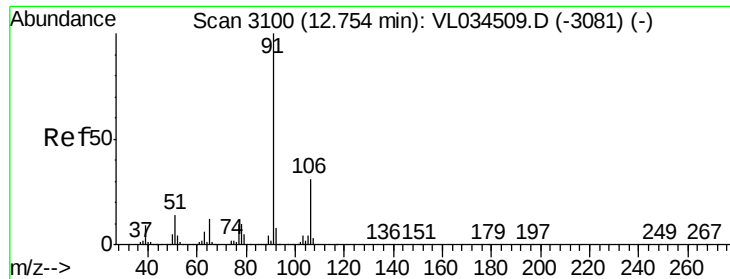
Ion Ratio Lower Upper

117 100

82 70.8 56.2 84.4

119 32.5 27.1 40.7





#58

Ethyl Benzene

Concen: 0.148 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.28 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

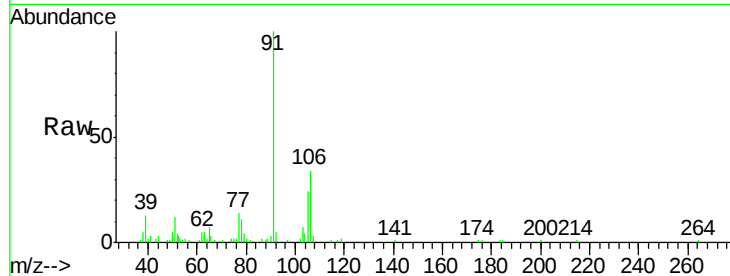
INFLUENT

Tgt Ion: 91 Resp: 36263

Ion Ratio Lower Upper

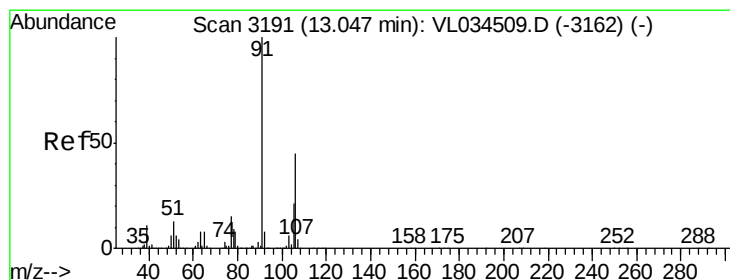
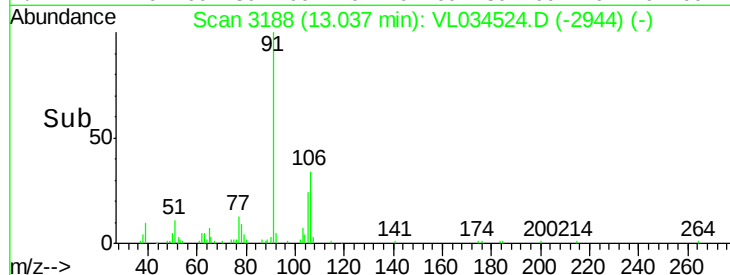
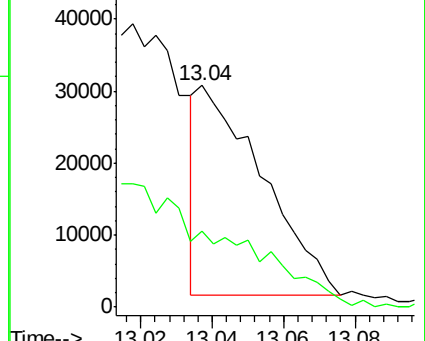
91 100

106 32.1 24.6 36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.170 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.01 min

Lab File: VL034524.D

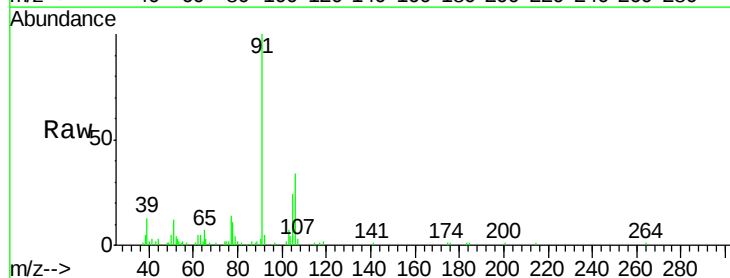
Acq: 30 Dec 2019 23:09

Tgt Ion: 91 Resp: 36263

Ion Ratio Lower Upper

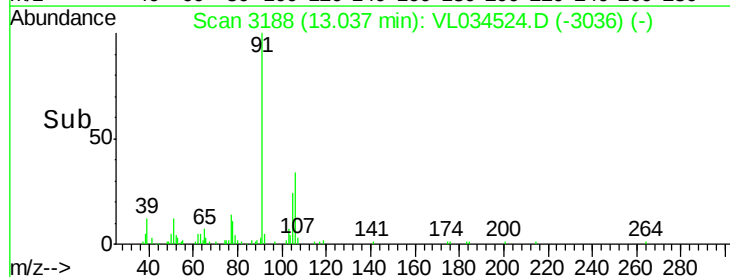
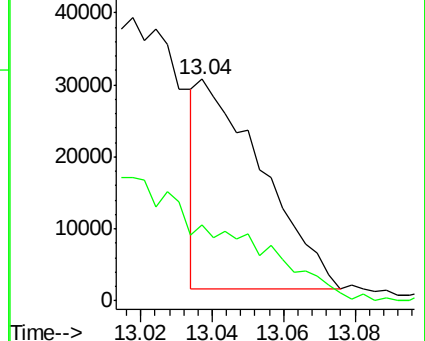
91 100

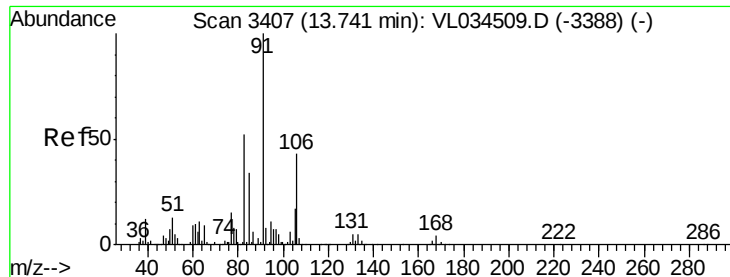
106 0.0 35.6 53.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.204 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. 0.01 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

Instrument :

MSVOA_L

ClientSampleId :

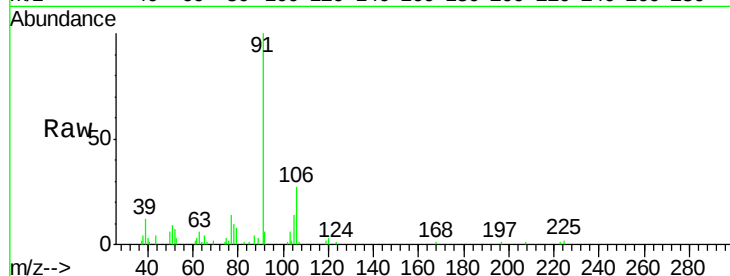
INFLUENT

Tgt Ion: 91 Resp: 43737

Ion Ratio Lower Upper

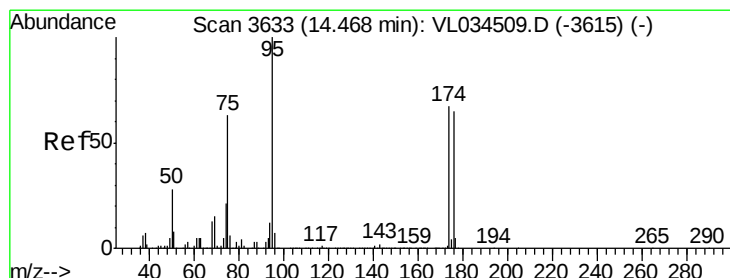
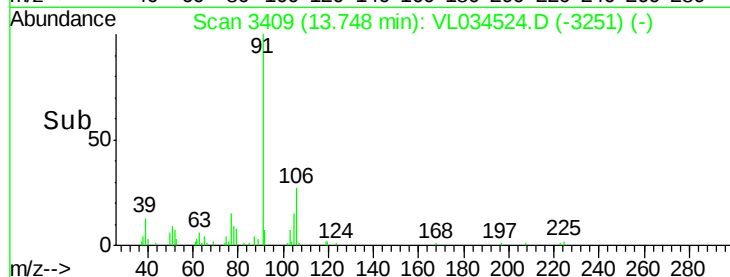
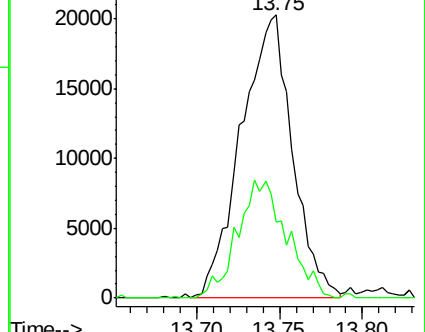
91 100

106 40.3 21.4 64.3



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: 10.094 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VL034524.D

Acq: 30 Dec 2019 23:09

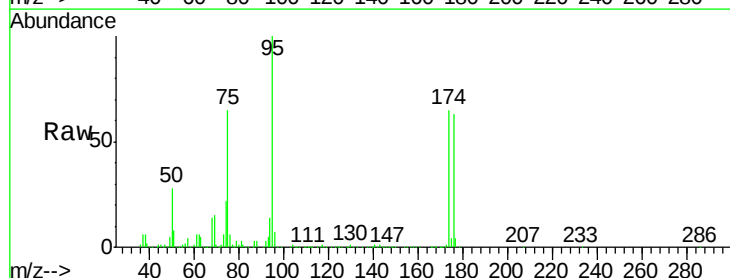
Tgt Ion: 95 Resp: 1526160

Ion Ratio Lower Upper

95 100

174 64.7 52.4 78.6

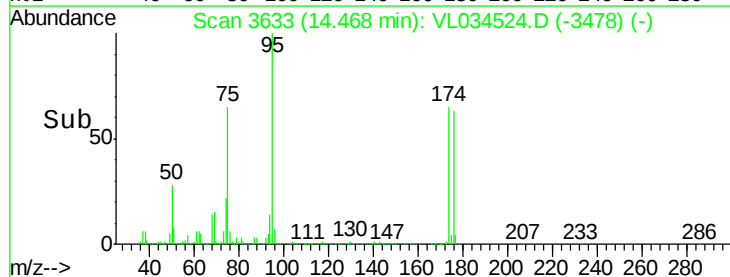
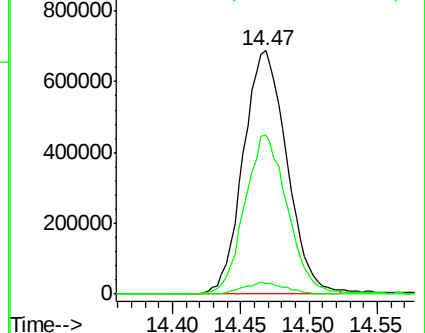
175 4.8 3.9 5.9

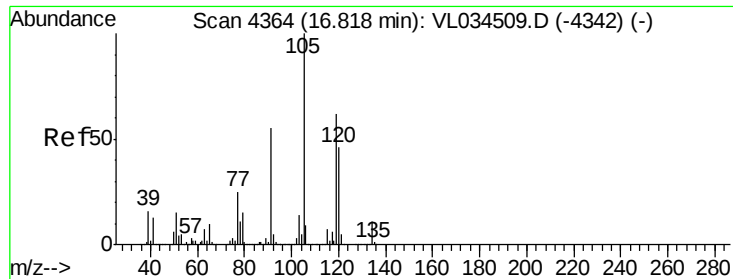


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

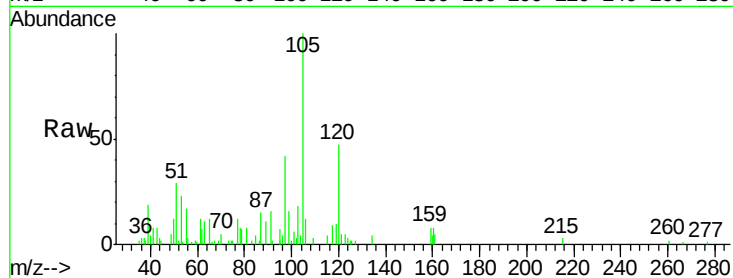




#74
 1,2,4-Trimethylbenzene
 Concen: 0.113 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. 0.00 min
 Lab File: VL034524.D
 Acq: 30 Dec 2019 23:09

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENT

Tgt Ion:	105	Resp:	28547
Ion	Ratio	Lower	Upper
105	100		
120	48.4	36.7	55.1
91	13.7	44.0	66.0#
77	8.4	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

