

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033914.D
 Acq On : 14 Jun 2019 2:09
 Operator : SY/AP
 Sample : K3367-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:37:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

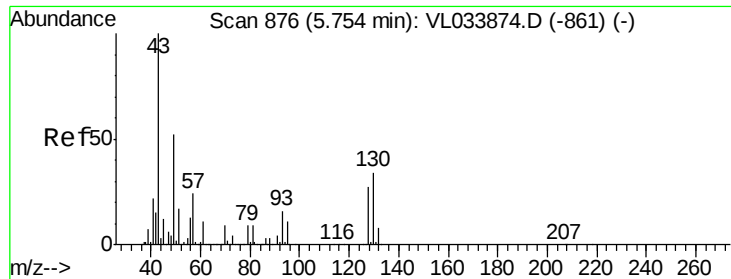
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	804327	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2057898	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2067457	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1576091	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	167931	1.774	ppbv #	82
4) Chloromethane	3.17	50	30700	0.568	ppbv	91
9) Propene	3.23	41	117165	3.307	ppbv	100
10) Heptane	8.23	43	16132	0.180	ppbv #	26
11) Trichlorofluoromethane	3.99	101	41316	0.245	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.53	101	3544	0.031	ppbv #	13
13) Ethanol	3.64	45	1748955	151.720	ppbv	96
15) Acetone	3.89	43	911278	7.768	ppbv	95
16) 1,3-Butadiene	3.34	39	16960	0.380	ppbv #	6
17) tert-Butyl alcohol	4.35	59	3543	0.039	ppbv #	72
19) Isopropyl Alcohol	4.03	45	138771	2.071	ppbv #	1
20) Methylene Chloride	4.40	84	33172	0.725	ppbv #	91
21) Allyl Chloride	4.42	41	9147	0.137	ppbv #	23
23) Vinyl Acetate	5.13	43	54480	0.400	ppbv #	17
25) Ethyl Acetate	5.76	43	118424	0.663	ppbv #	94
26) Hexane	5.77	57	84336	1.037	ppbv #	61
29) Chloroform	5.83	83	156128	1.121	ppbv	90
30) Cyclohexane	7.23	84	5627	0.098	ppbv #	1
31) cis-1,2-Dichloroethene	5.75	61	7013	0.098	ppbv #	36
34) 2-Butanone	5.32	43	45706	0.394	ppbv	97
36) Benzene	6.99	78	117814	0.749	ppbv	97
39) 1,2-Dichloropropane	7.27	63	538351	8.873	ppbv #	25
42) Bromodichloromethane	7.90	83	7075	0.046	ppbv #	59
44) 2,2,4-Trimethylpentane	7.98	57	166993	0.597	ppbv #	80
52) Tetrachloroethene	11.36	164	1265714	22.883	ppbv	96
53) Toluene	9.93	91	458252	2.634	ppbv	98
58) Ethyl Benzene	12.85	91	48623	0.209	ppbv	99
59) m/p-Xylene	13.14	91	23777	0.112	ppbv #	31
60) o-Xylene	13.83	91	29382	0.134	ppbv #	32
64) n-propylbenzene	15.71	120	3151	0.042	ppbv #	1
72) 4-Ethyltoluene	15.98	105	31774	0.128	ppbv #	67
73) 1,3,5-Trimethylbenzene	16.14	105	39906	0.163	ppbv	99
74) 1,2,4-Trimethylbenzene	16.91	105	141912	0.502	ppbv #	69
80) Naphthalene,2-methyl-	25.11	142	4404	0.049	ppbv #	75

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

ClientSampleId :

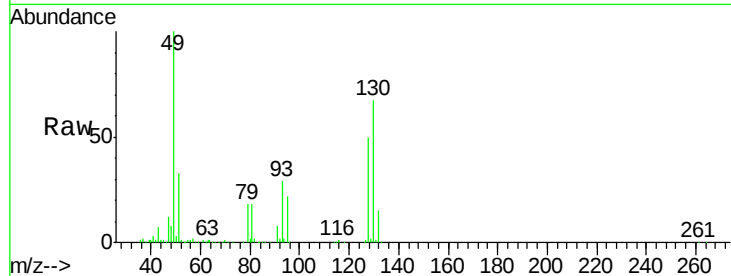
Tot Ion: 49 Resp: 804327

Ion Ratio Lower Upper

49 100

128 49.9 25.5 76.5

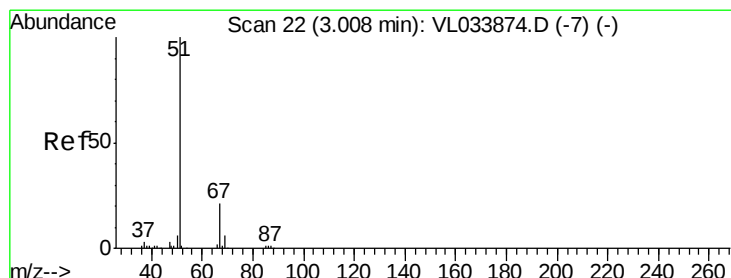
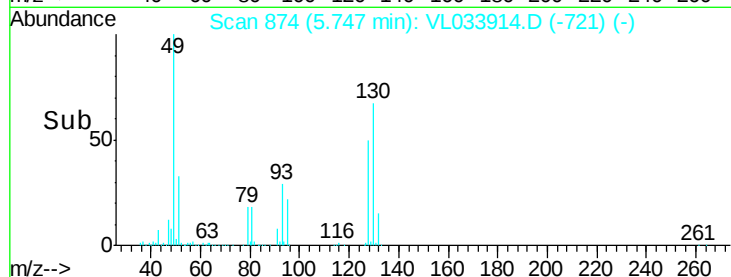
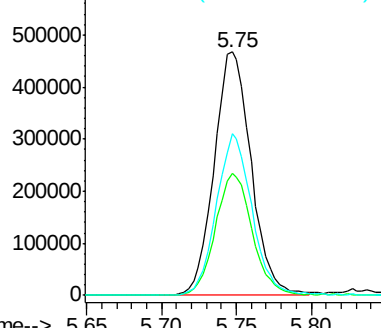
130 64.4 32.5 97.4



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



#3

Chlorodifluoromethane

Concen: 1.774 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: VL033914.D

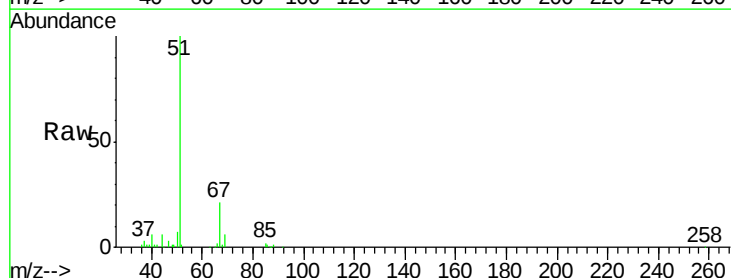
Acq: 14 Jun 2019 2:09

Tgt Ion: 51 Resp: 167931

Ion Ratio Lower Upper

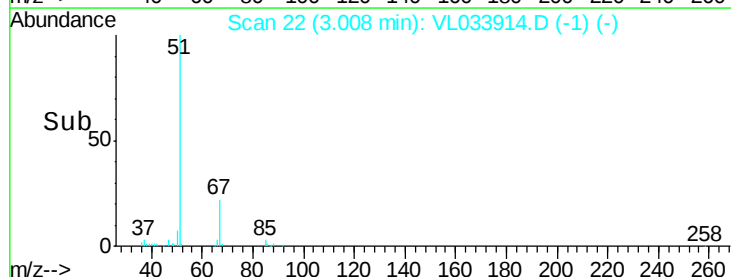
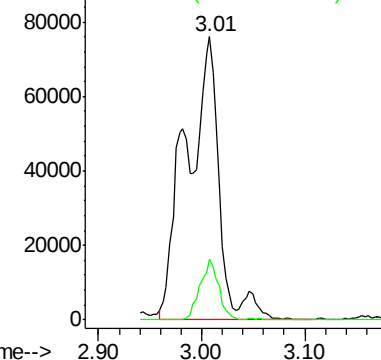
51 100

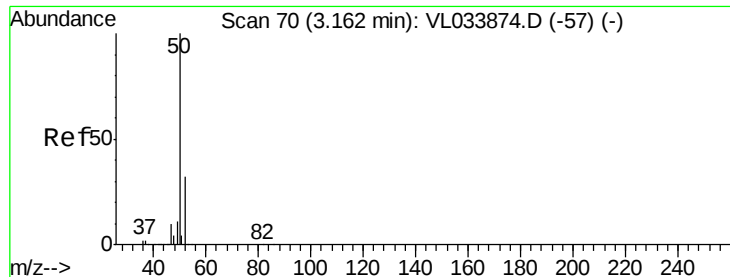
67 12.3 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.568 ppbv

RT: 3.17 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

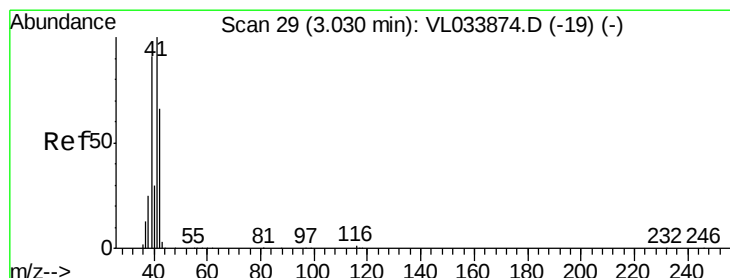
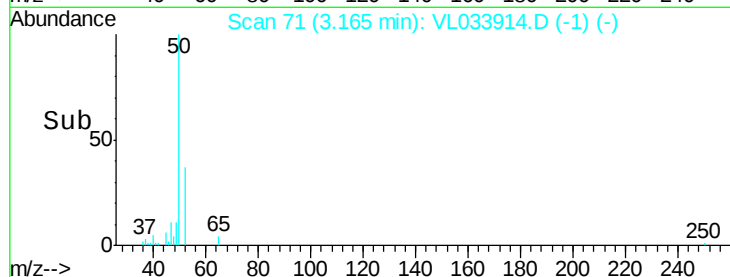
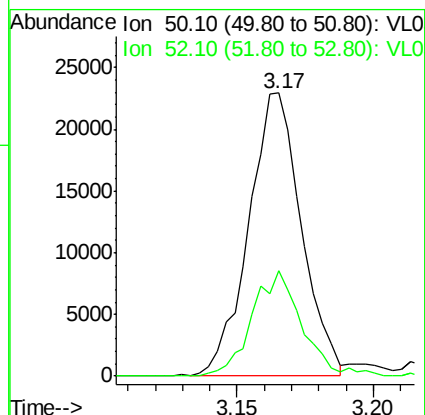
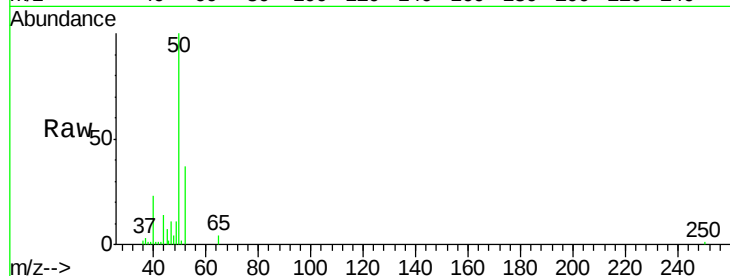
ClientSampleId :

Tot Ion: 50 Resp: 30700

Ion Ratio Lower Upper

50 100

52 36.5 25.4 38.0



#9

Propene

Concen: 3.307 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.20 min

Lab File: VL033914.D

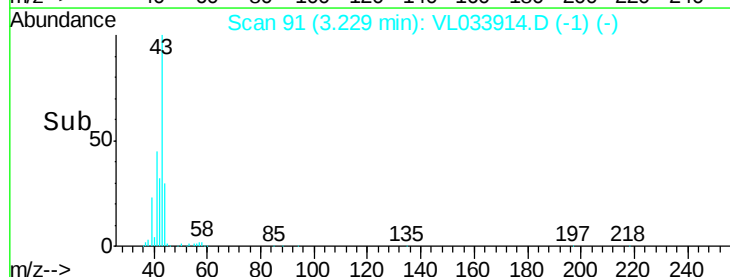
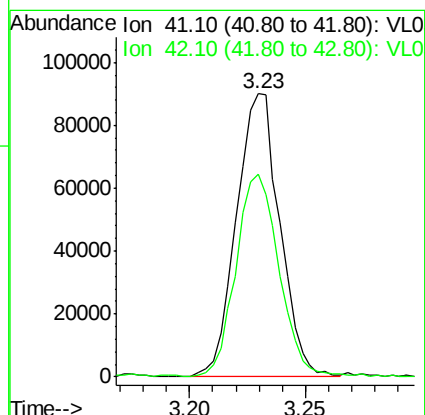
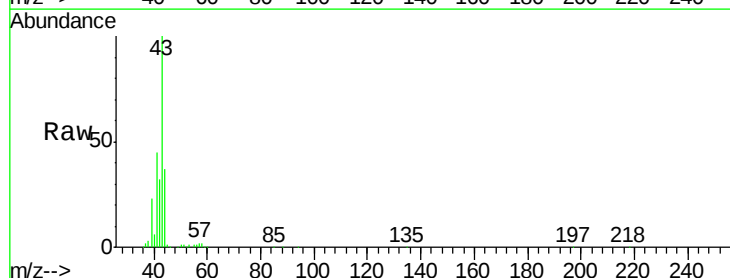
Acq: 14 Jun 2019 2:09

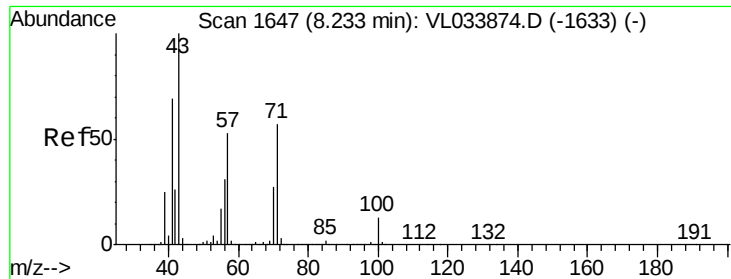
Tgt Ion: 41 Resp: 117165

Ion Ratio Lower Upper

41 100

42 70.1 56.3 84.5

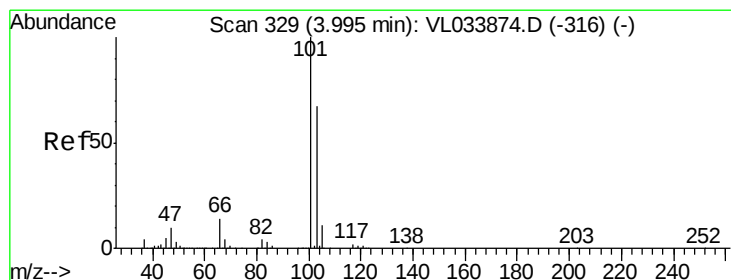
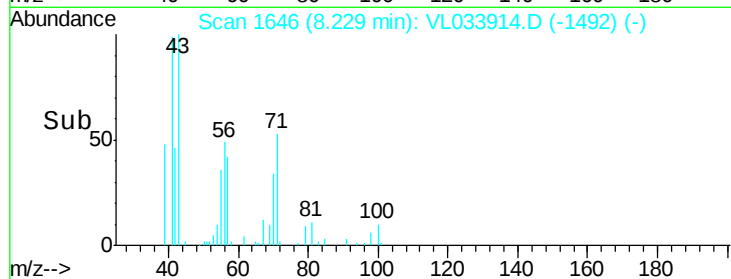
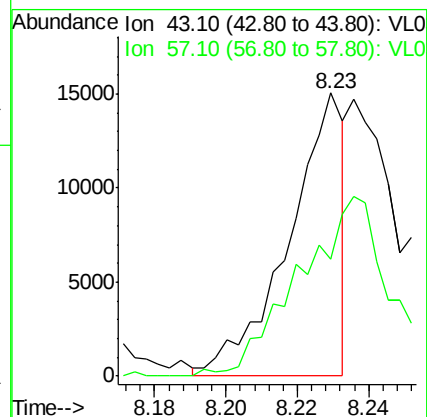
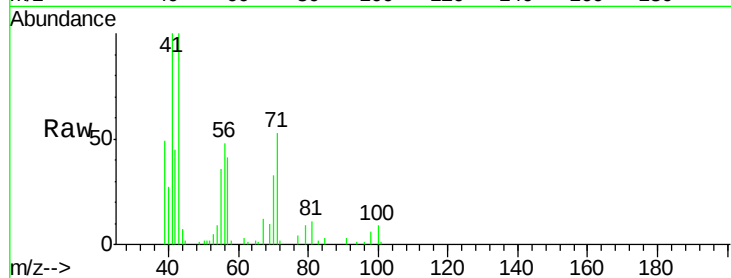




#10
Heptane
Concen: 0.180 ppbv
RT: 8.23 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

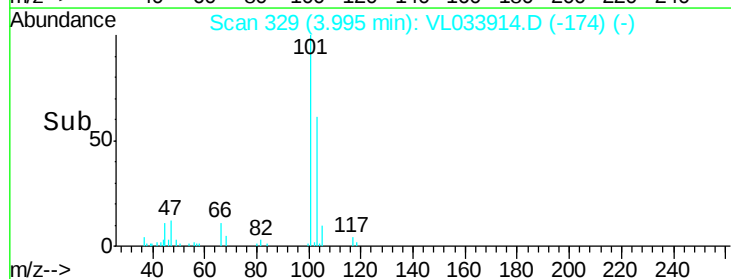
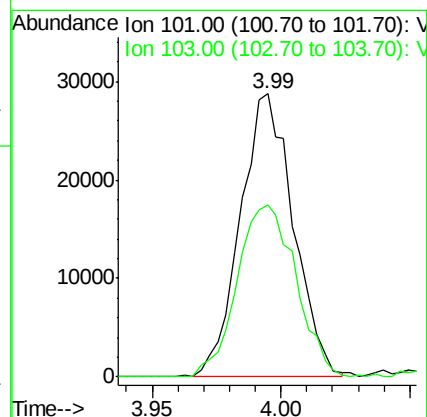
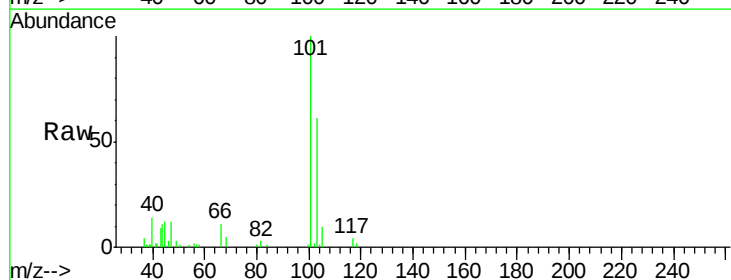
Instrument :
MSVOA_L
ClientSampleId :

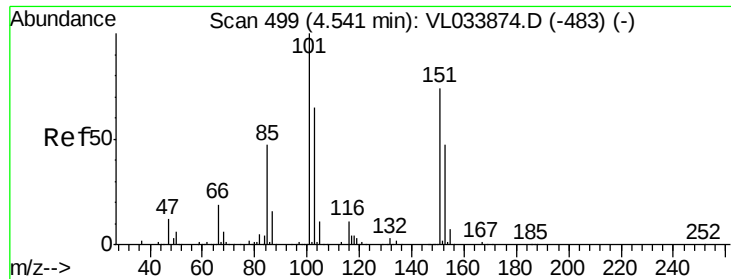
Tot Ion: 43 Resp: 16132
Ion Ratio Lower Upper
43 100
57 0.0 41.7 62.5#



#11
Trichlorofluoromethane
Concen: 0.245 ppbv
RT: 3.99 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Tgt Ion:101 Resp: 41316
Ion Ratio Lower Upper
101 100
103 60.8 53.6 80.4

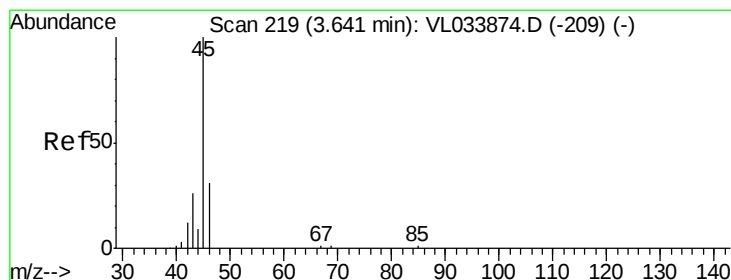
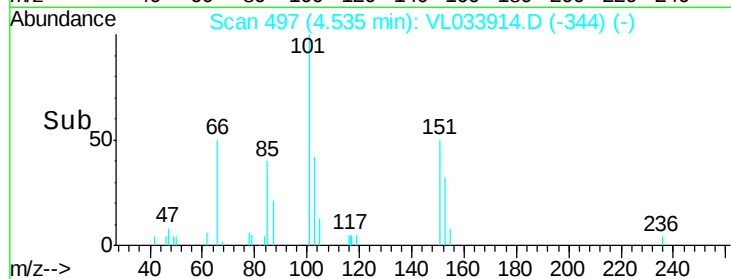
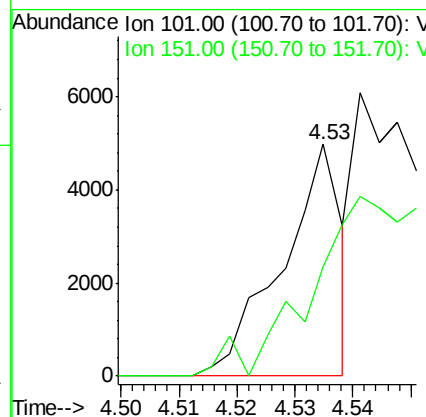
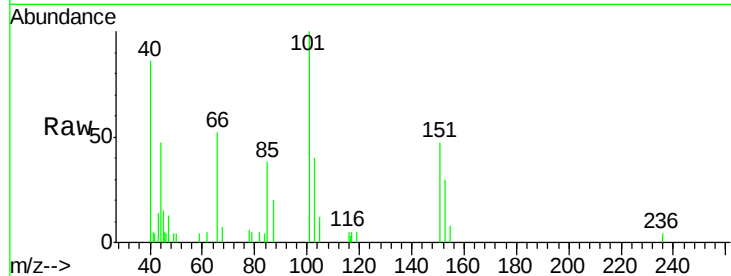




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.031 ppbv
 RT: 4.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VL033914.D
 Acq: 14 Jun 2019 2:09

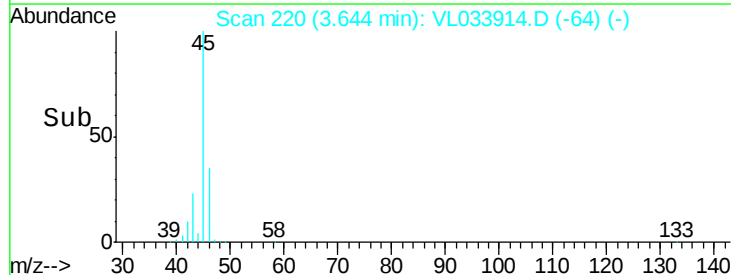
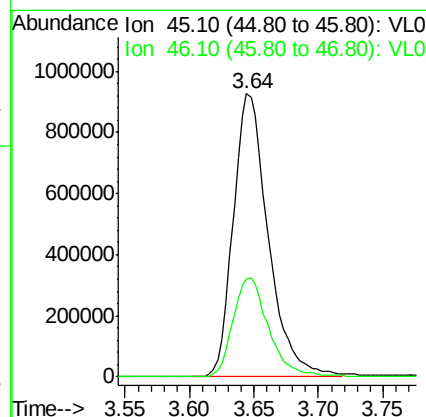
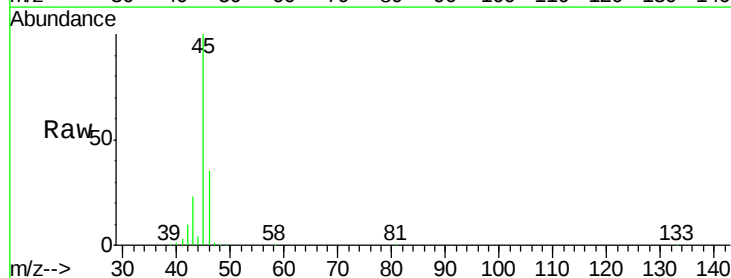
Instrument :
 MSVOA_L
 ClientSampleId :

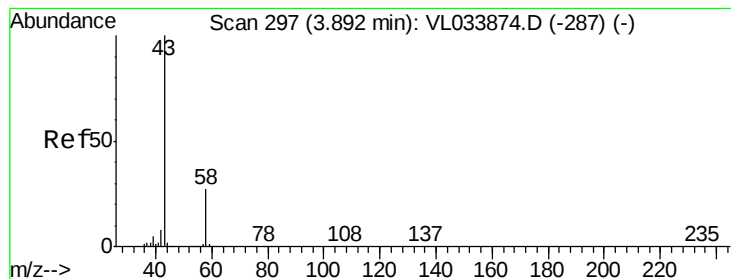
Tot Ion:101 Resp: 3544
 Ion Ratio Lower Upper
 101 100
 151 0.0 58.6 87.8#



#13
 Ethanol
 Concen: 151.720 ppbv
 RT: 3.64 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VL033914.D
 Acq: 14 Jun 2019 2:09

Tgt Ion: 45 Resp: 1748955
 Ion Ratio Lower Upper
 45 100
 46 35.9 15.3 61.1





#15

Acetone

Concen: 7.768 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

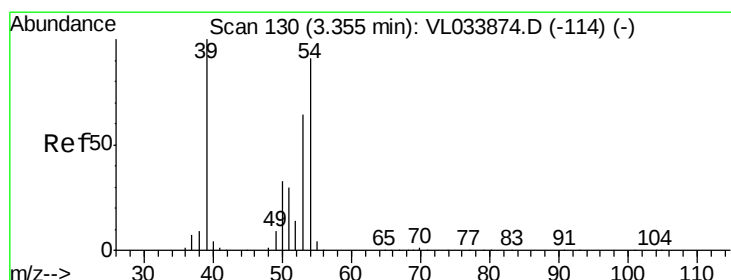
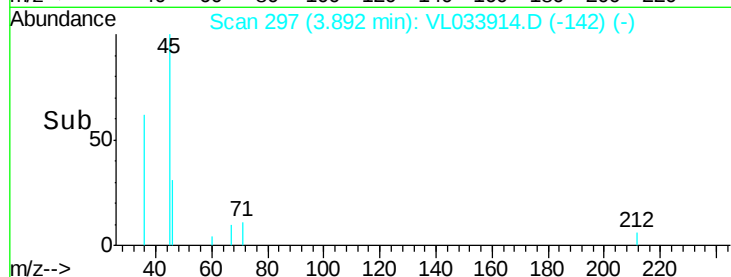
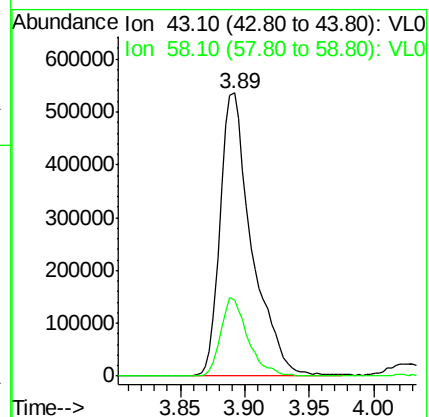
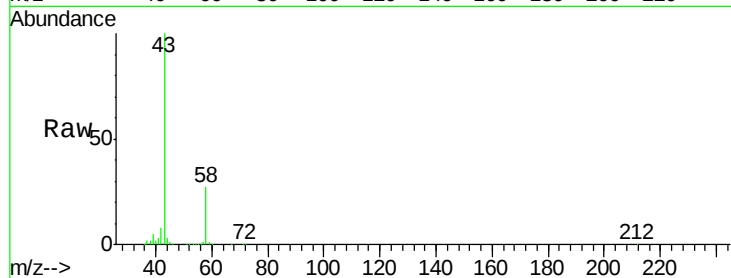
ClientSampled :

Tot Ion: 43 Resp: 911278

Ion Ratio Lower Upper

43 100

58 24.2 21.3 31.9



#16

1,3-Butadiene

Concen: 0.380 ppbv

RT: 3.34 min Scan# 124

Delta R.T. -0.02 min

Lab File: VL033914.D

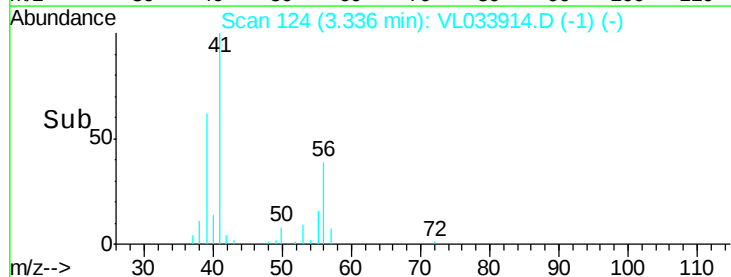
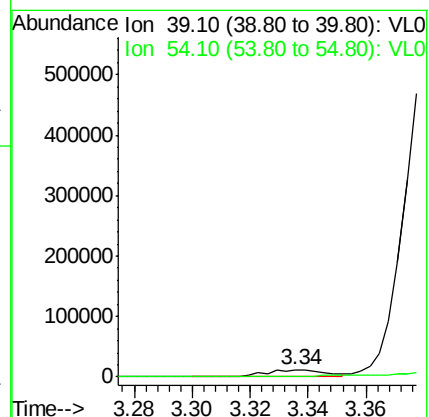
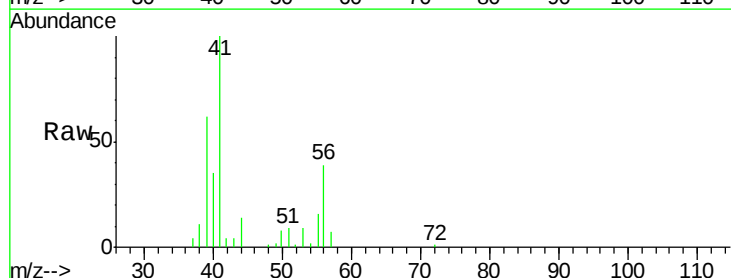
Acq: 14 Jun 2019 2:09

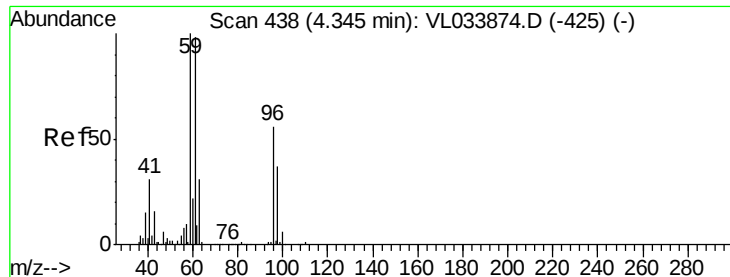
Tgt Ion: 39 Resp: 16960

Ion Ratio Lower Upper

39 100

54 0.0 68.6 103.0#



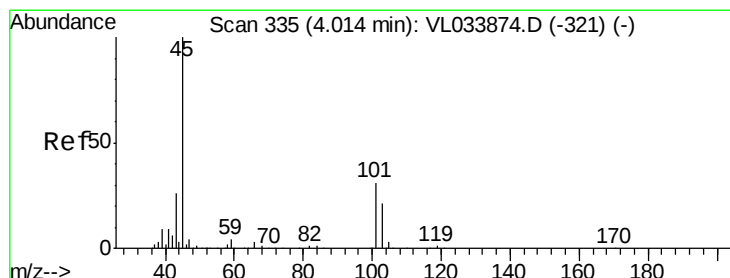
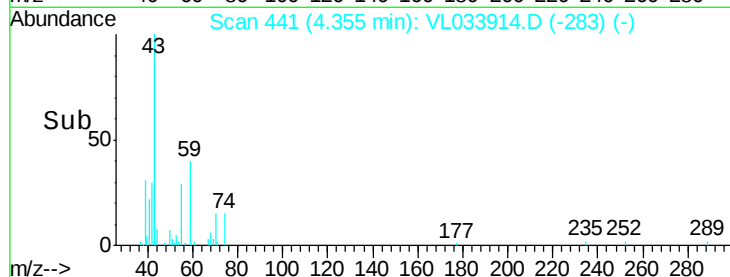
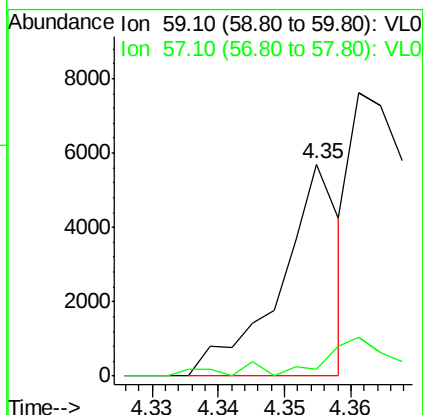
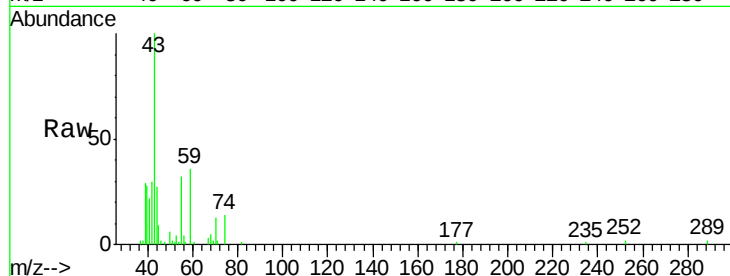


#17

tert-Butyl alcohol
Concen: 0.039 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Instrument :
MSVOA_L
ClientSampleId :

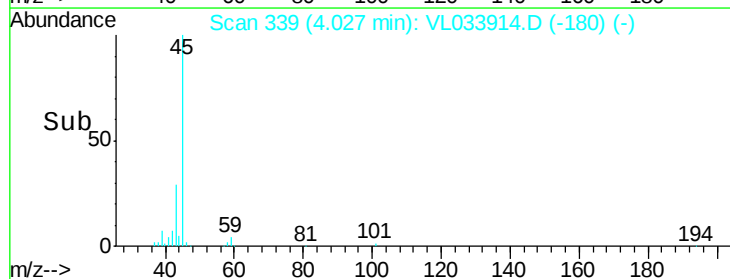
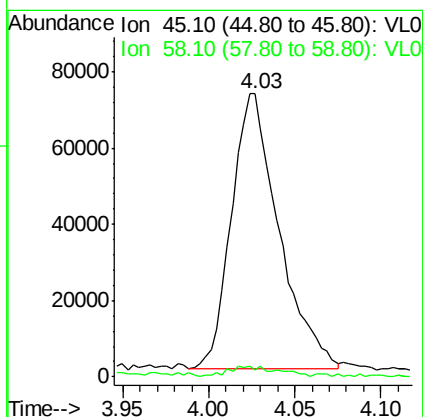
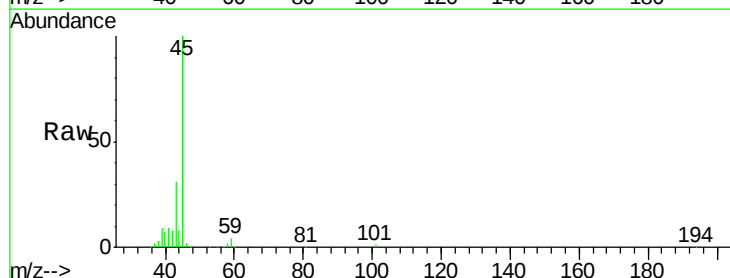
Tot Ion: 59 Resp: 3543
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

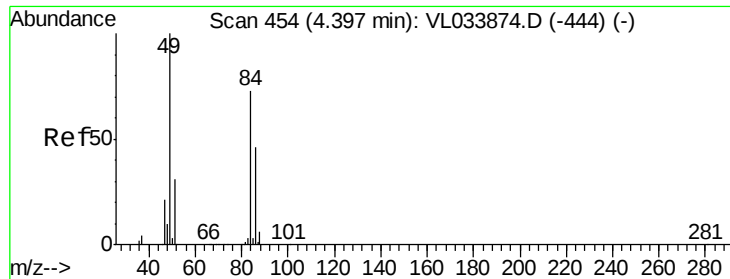


#19

Isopropyl Alcohol
Concen: 2.071 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.01 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Tgt Ion: 45 Resp: 138771
Ion Ratio Lower Upper
45 100
58 157.9 1.8 2.6#

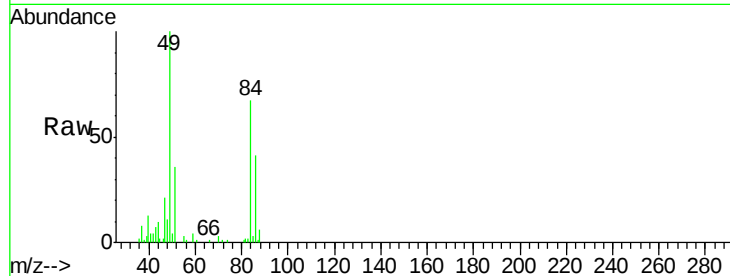




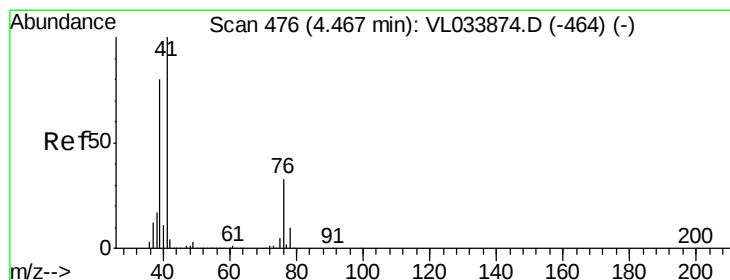
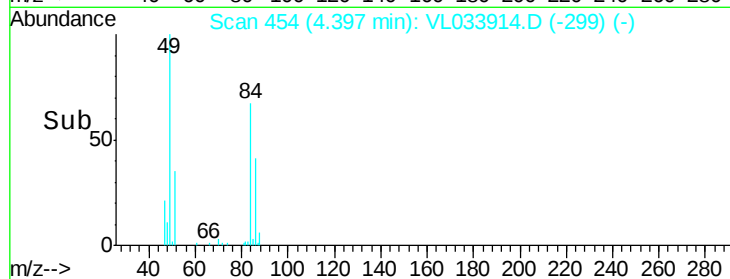
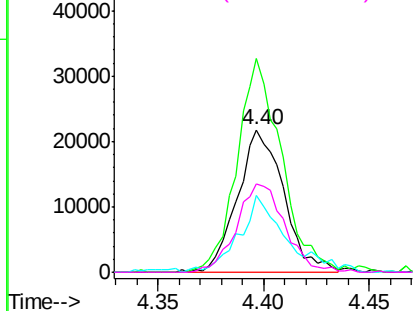
#20
Methylene Chloride
Concen: 0.725 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 33172
Ion Ratio Lower Upper
84 100
49 149.1 110.0 165.0
51 52.9 34.6 51.8#
86 62.0 50.6 75.8

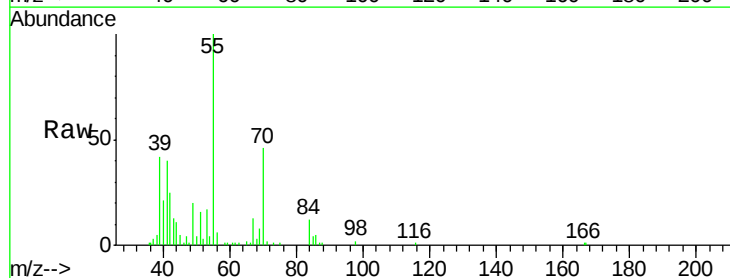


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

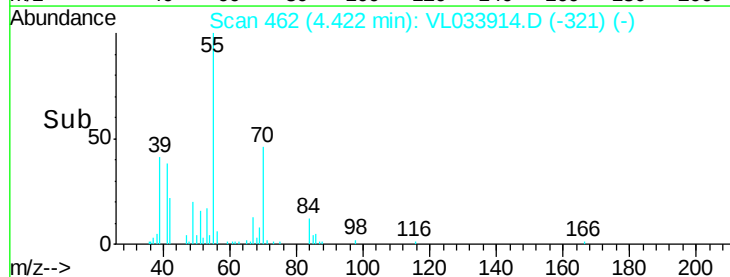
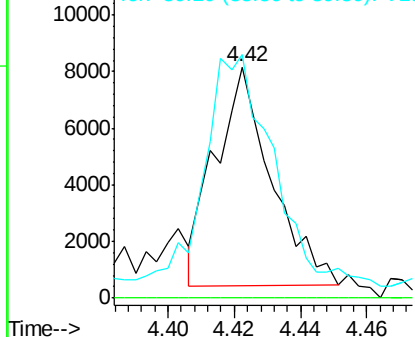


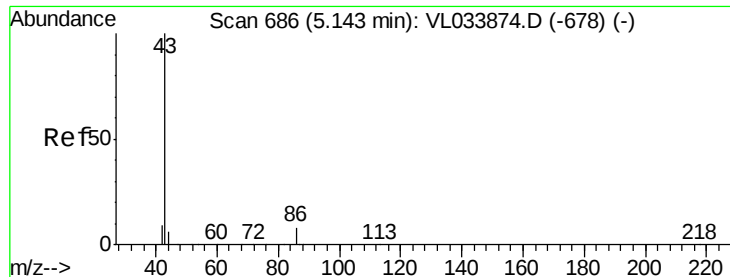
#21
Allyl Chloride
Concen: 0.137 ppbv
RT: 4.42 min Scan# 462
Delta R.T. -0.05 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Tgt Ion: 41 Resp: 9147
Ion Ratio Lower Upper
41 100
76 0.0 26.6 39.8#
39 156.6 65.2 97.8#



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: 0.400 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 54480

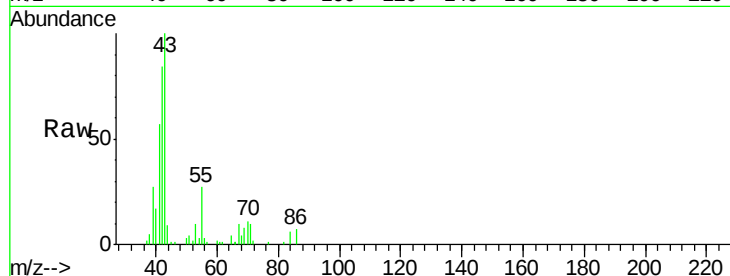
Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

42 77.2 7.8 11.8#

44 1.9 4.2 6.4#

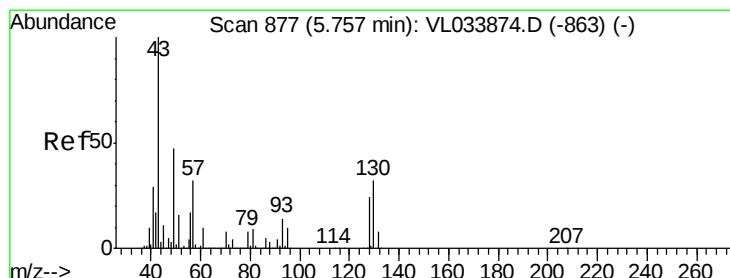
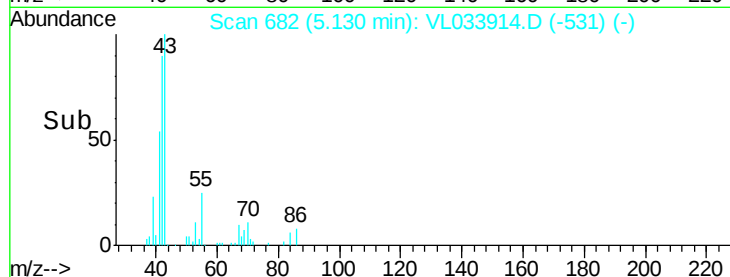
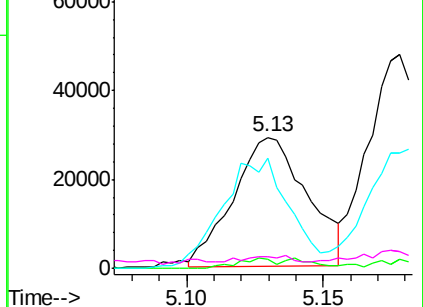


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 0.663 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Tgt Ion: 43 Resp: 118424

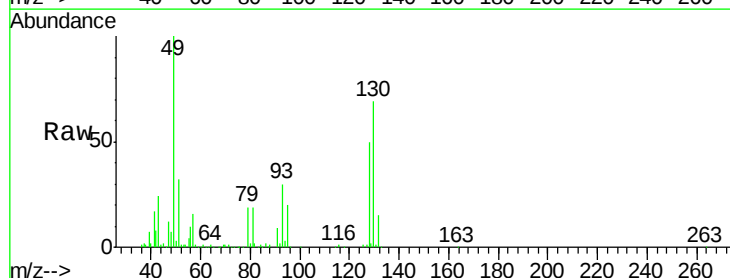
Ion Ratio Lower Upper

43 100

45 8.8 7.9 11.9

61 6.1 7.8 11.6#

70 4.9 5.8 8.6#

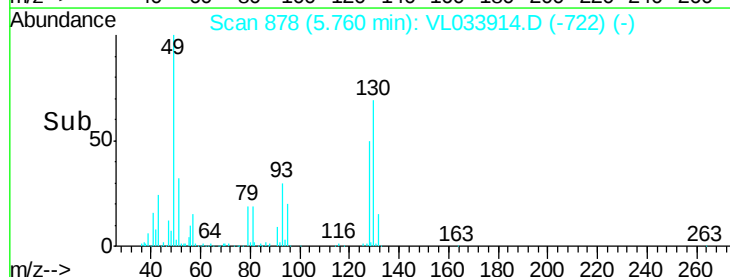
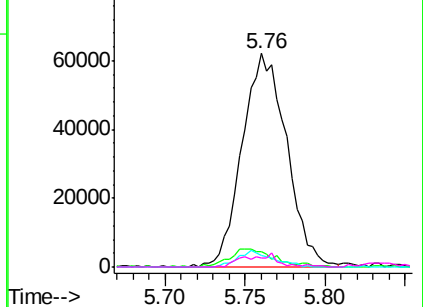


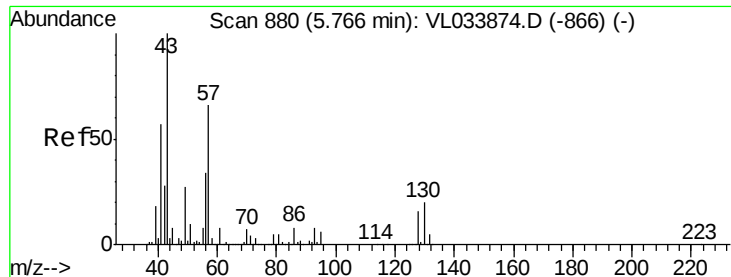
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 1.037 ppbv

RT: 5.77 min Scan# 880

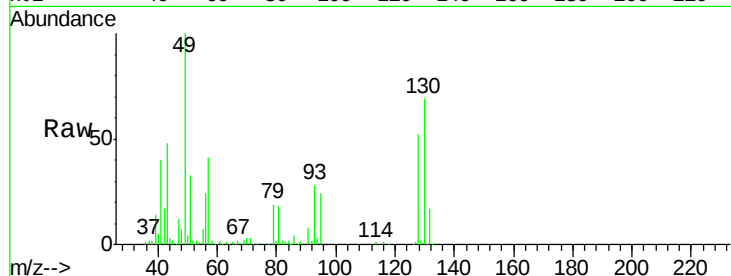
Delta R.T. -0.00 min

Lab File: VL033914.D

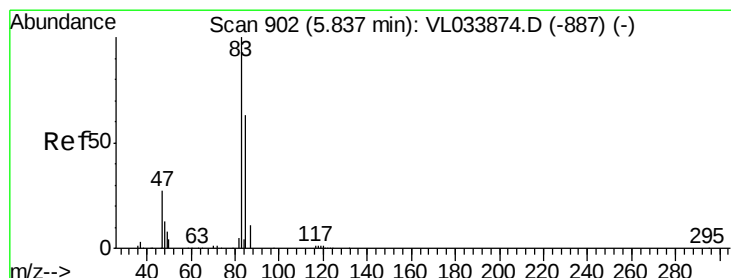
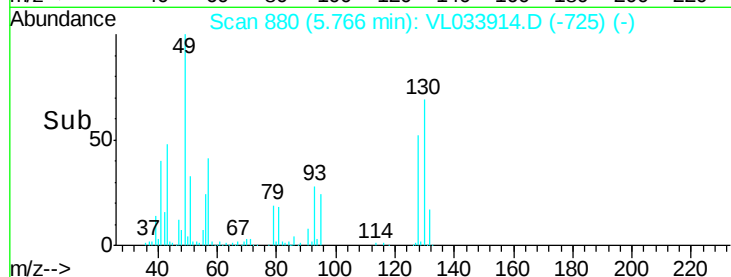
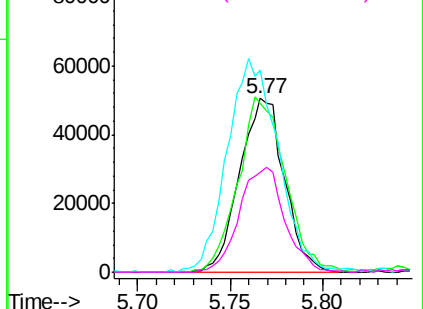
Acq: 14 Jun 2019 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	57	Resp:	84336
Ion	Ratio	Lower	Upper
57	100		
41	106.6	71.4	107.2
43	142.5	183.7	275.5#
56	61.6	42.7	64.1



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: 1.121 ppbv

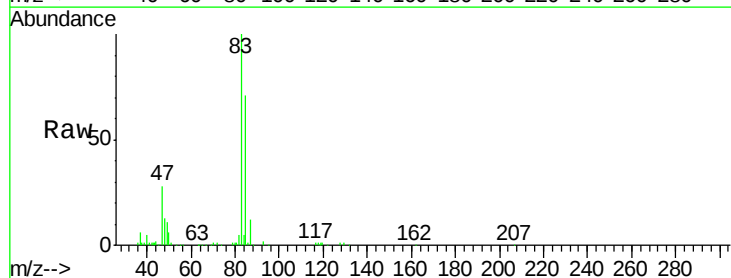
RT: 5.83 min Scan# 901

Delta R.T. -0.00 min

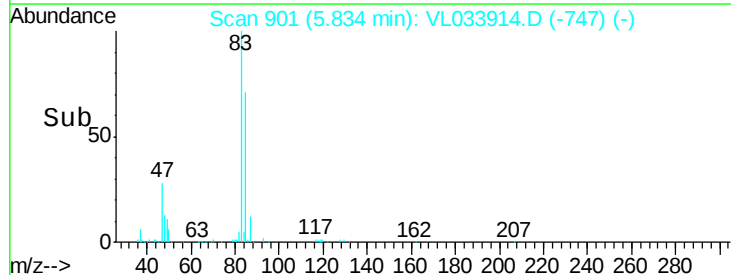
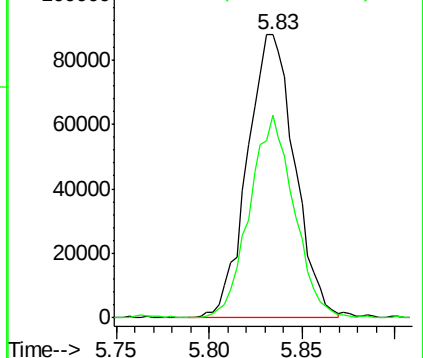
Lab File: VL033914.D

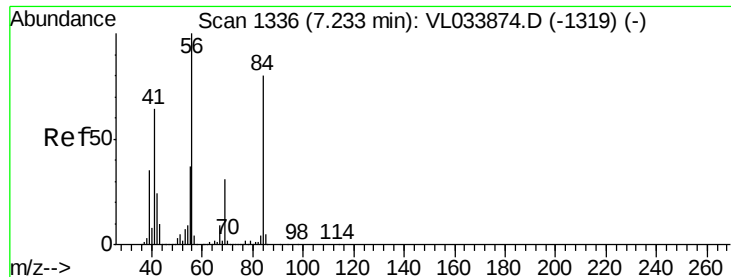
Acq: 14 Jun 2019 2:09

Tgt Ion:	83	Resp:	156128
Ion	Ratio	Lower	Upper
83	100		
85	71.2	50.5	75.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

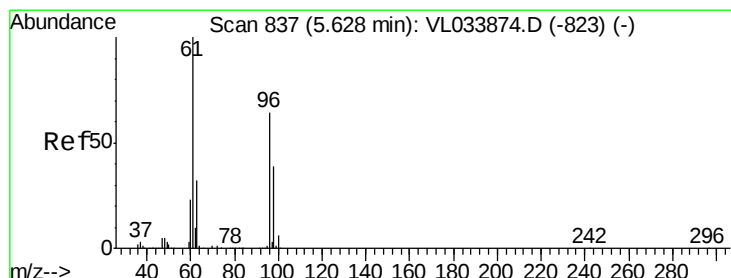
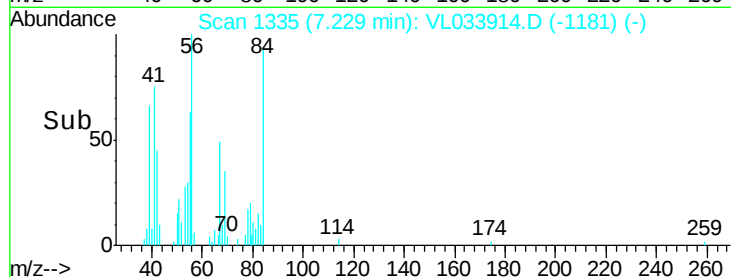
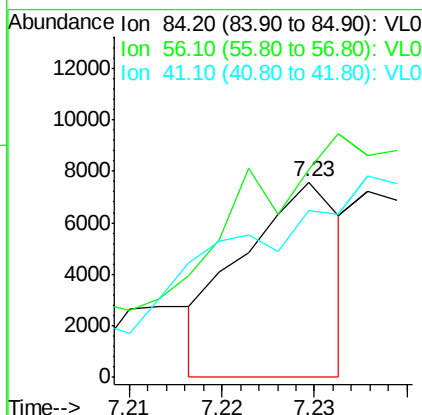
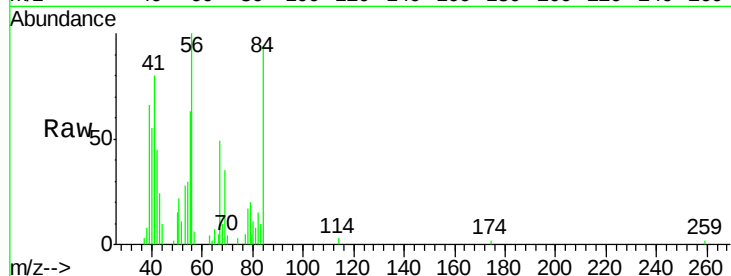




#30
Cvclohexane
Concen: 0.098 ppbv
RT: 7.23 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

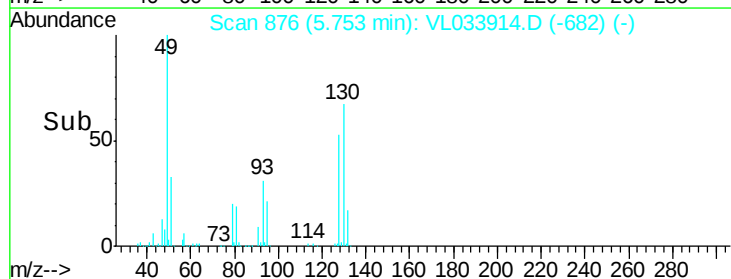
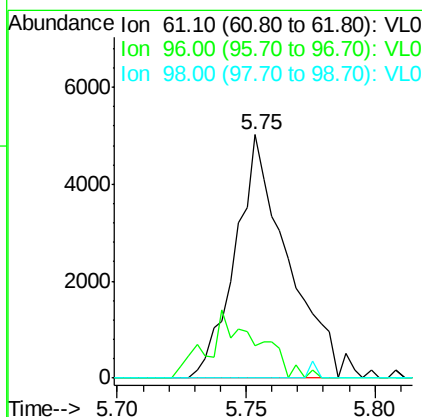
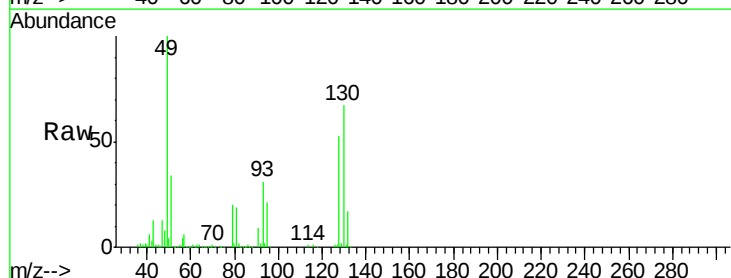
Instrument :
MSVOA_L
ClientSampleId :

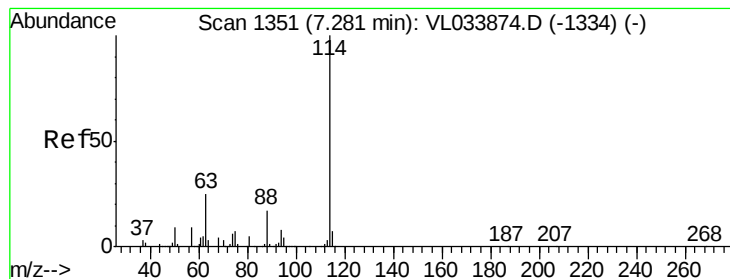
Tot Ion: 84 Resp: 5627
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 0.0 65.7 98.5#



#31
cis-1,2-Dichloroethene
Concen: 0.098 ppbv
RT: 5.75 min Scan# 876
Delta R.T. 0.13 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Tgt Ion: 61 Resp: 7013
Ion Ratio Lower Upper
61 100
96 13.3 50.9 76.3#
98 0.0 31.4 47.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

ClientSampled :

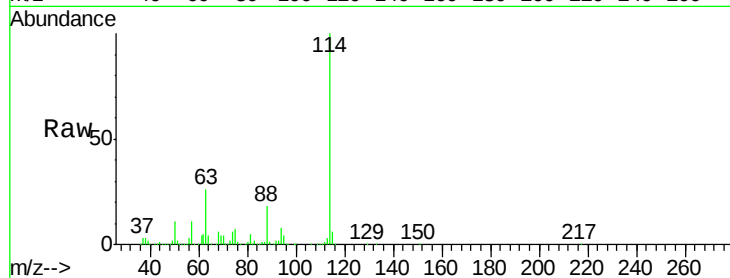
Tot Ion:114 Resp: 2057898

Ion Ratio Lower Upper

114 100

63 26.4 21.1 31.7

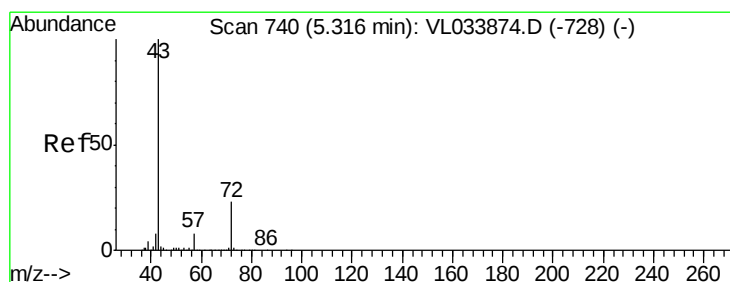
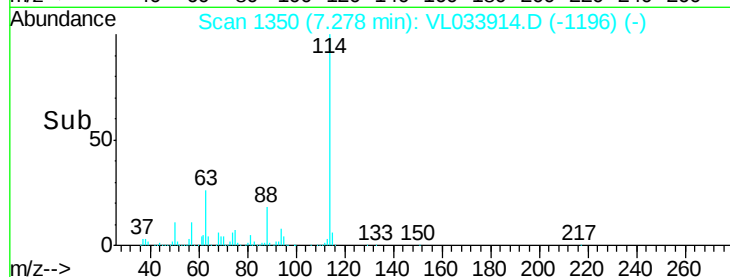
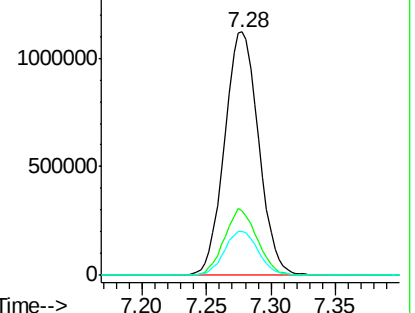
88 18.0 14.2 21.4



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: 0.394 ppbv

RT: 5.32 min Scan# 742

Delta R.T. 0.01 min

Lab File: VL033914.D

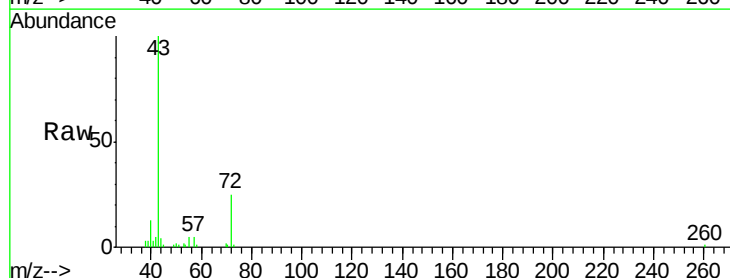
Acq: 14 Jun 2019 2:09

Tgt Ion: 43 Resp: 45706

Ion Ratio Lower Upper

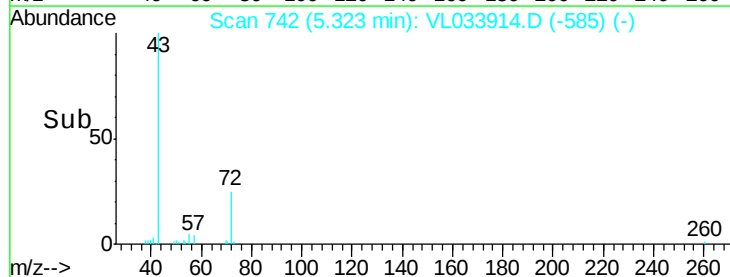
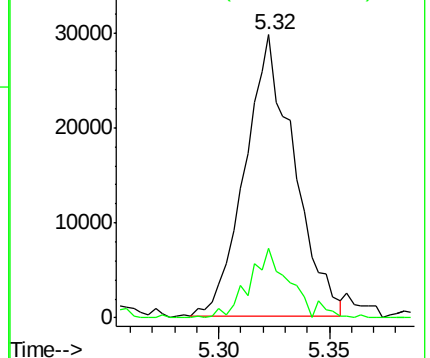
43 100

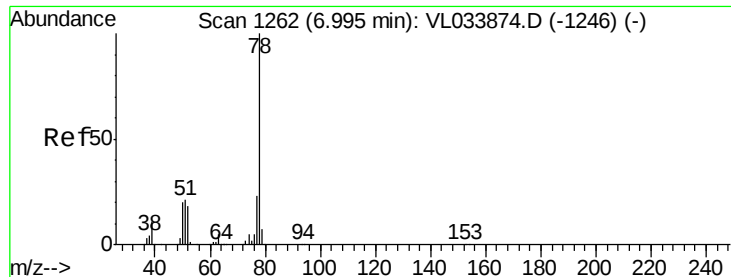
72 21.0 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

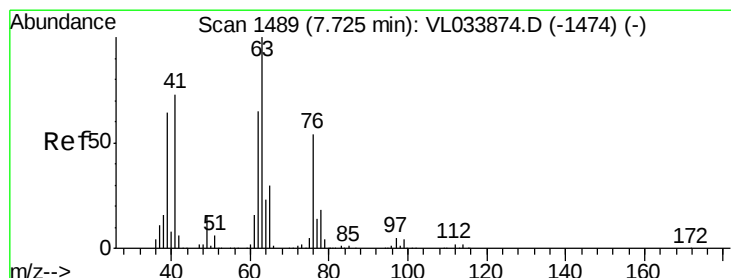
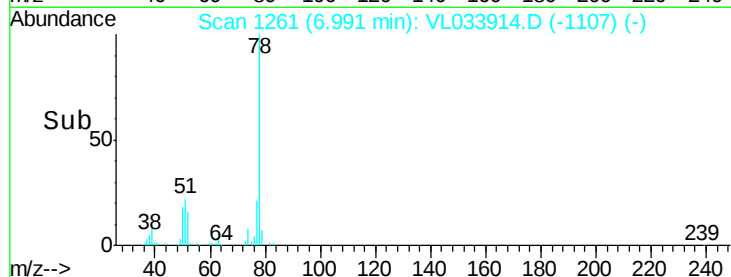
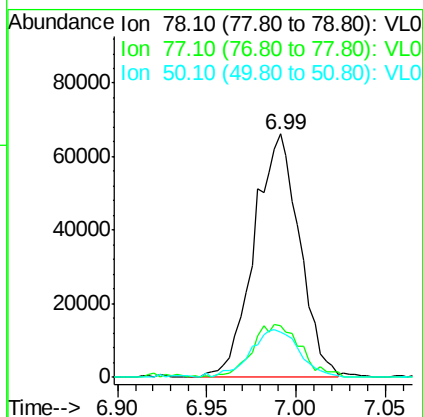
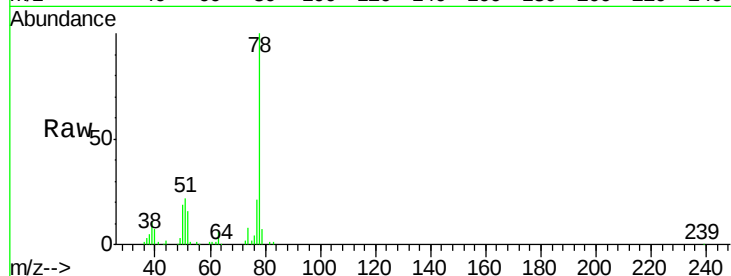




#36
Benzene
Concen: 0.749 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

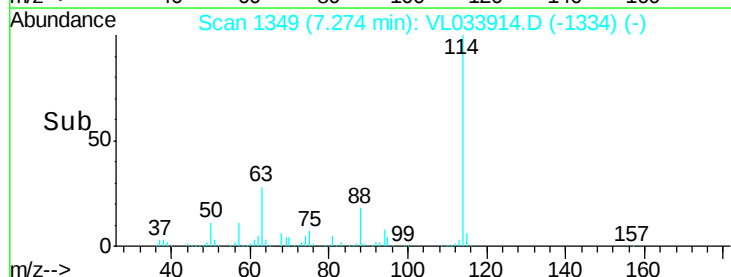
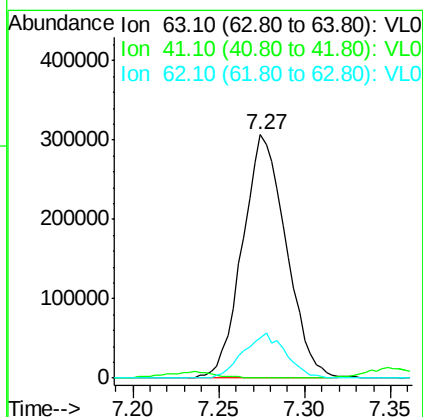
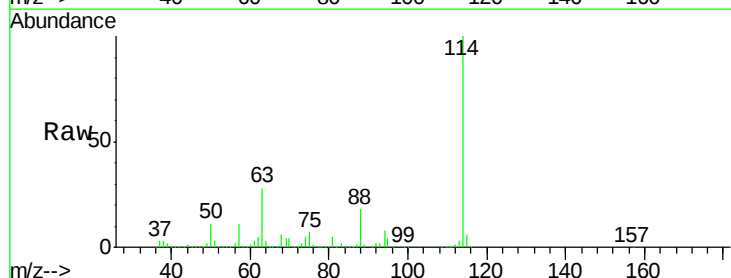
Instrument :
MSVOA_L
ClientSampleId :

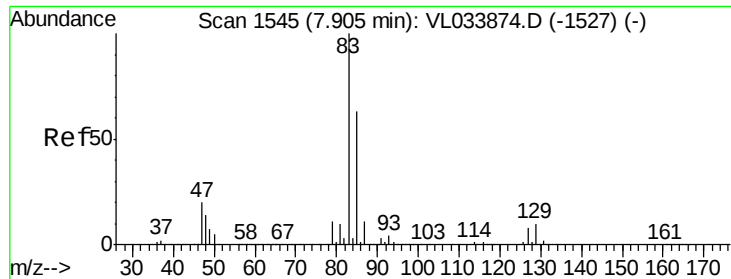
Tot Ion: 78 Resp: 117814
Ion Ratio Lower Upper
78 100
77 21.3 18.2 27.2
50 18.0 15.9 23.9



#39
1,2-Dichloropropane
Concen: 8.873 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.45 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Tgt Ion: 63 Resp: 538351
Ion Ratio Lower Upper
63 100
41 0.0 58.7 88.1#
62 16.5 51.9 77.9#





#42

Bromodichloromethane

Concen: 0.046 ppbv

RT: 7.90 min Scan# 1544

Delta R.T. -0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

ClientSampled :

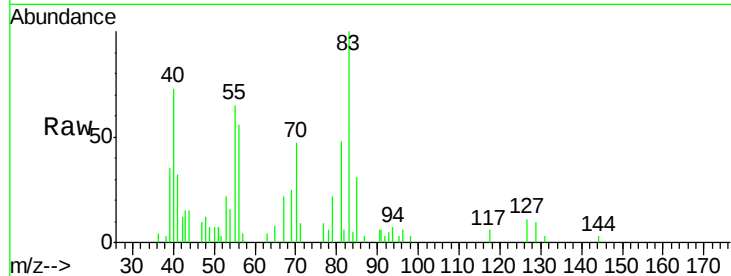
Tot Ion: 83 Resp: 7075

Ion Ratio Lower Upper

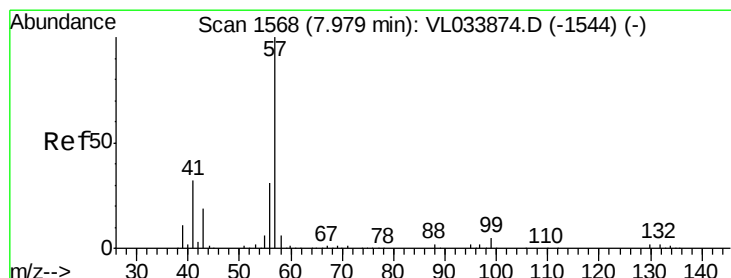
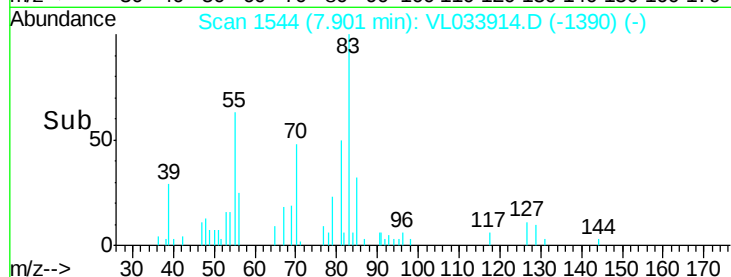
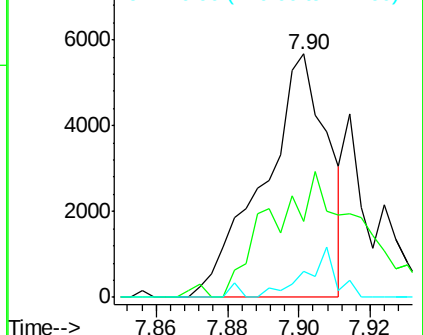
83 100

85 28.1 50.2 75.2#

127 10.8 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.597 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

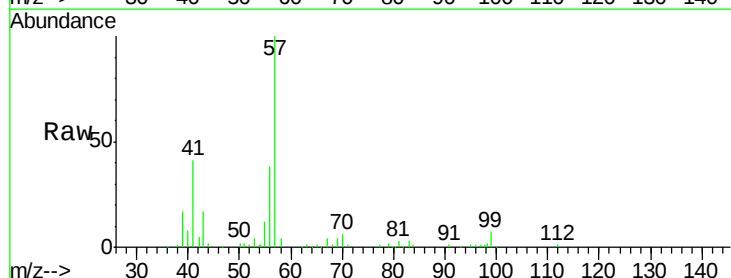
Tgt Ion: 57 Resp: 166993

Ion Ratio Lower Upper

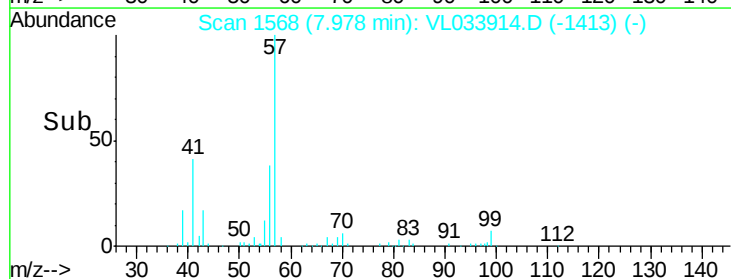
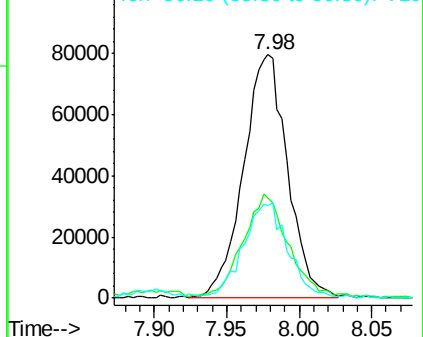
57 100

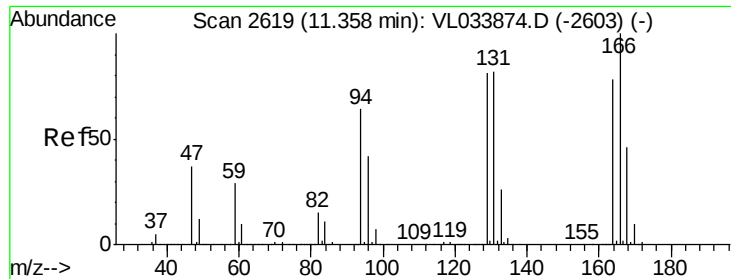
41 44.6 26.1 39.1#

56 40.6 24.6 36.8#



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





#52

Tetrachloroethene

Concen: 22.883 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. -0.00 min

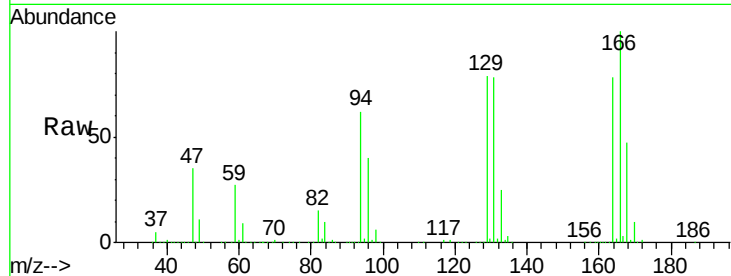
Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

ClientSampleId :



Tot Ion:164 Resp: 1265714

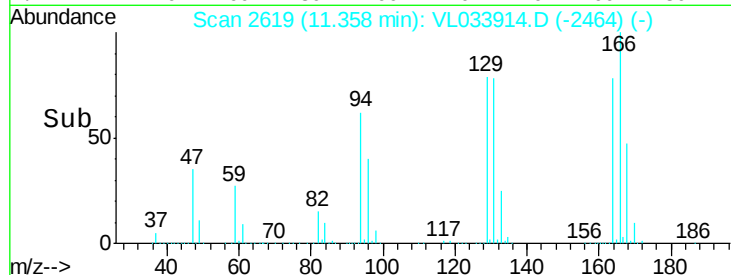
Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.1	154.7
129	100.3	83.9	125.9
131	100.2	85.1	127.7

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

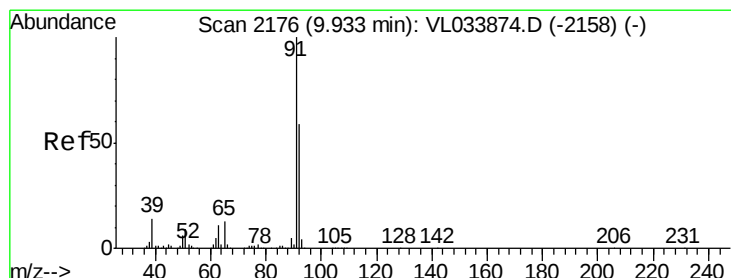
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



Time-->

11.36



#53

Toluene

Concen: 2.634 ppbv

RT: 9.93 min Scan# 2176

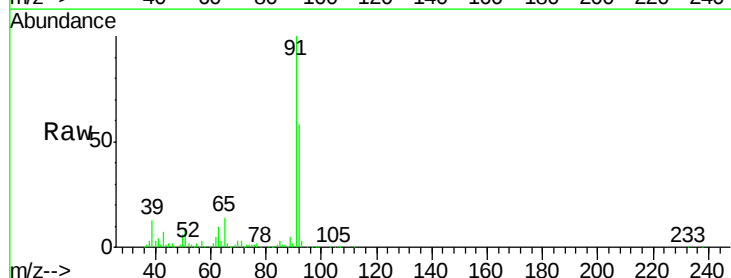
Delta R.T. -0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

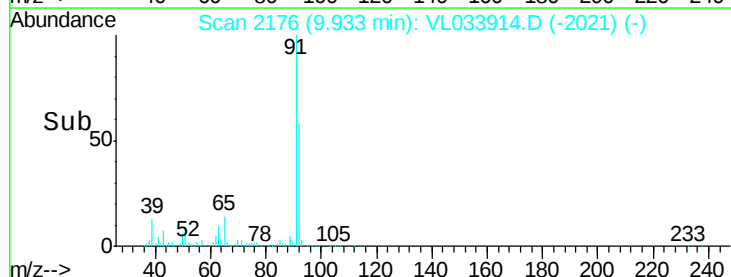
Tgt Ion: 91 Resp: 458252

Ion	Ratio	Lower	Upper
91	100		
92	57.2	47.0	70.6



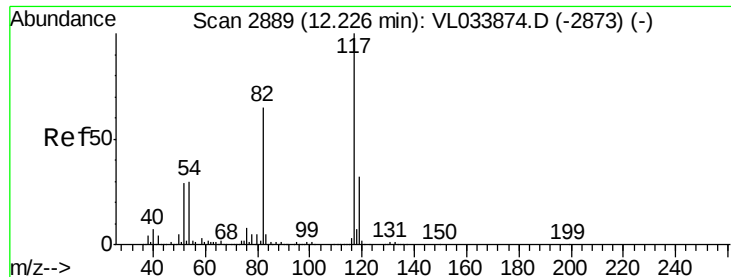
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->

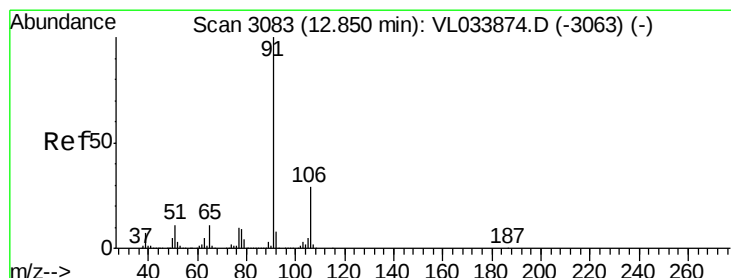
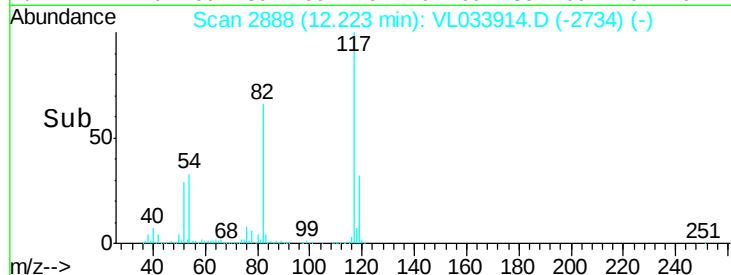
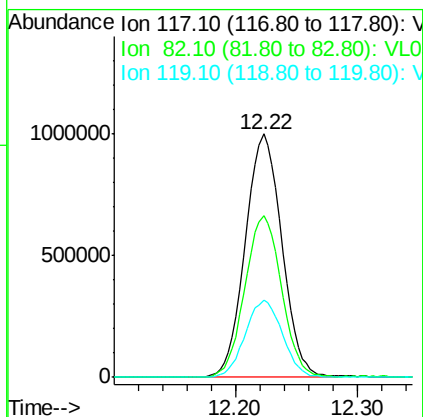
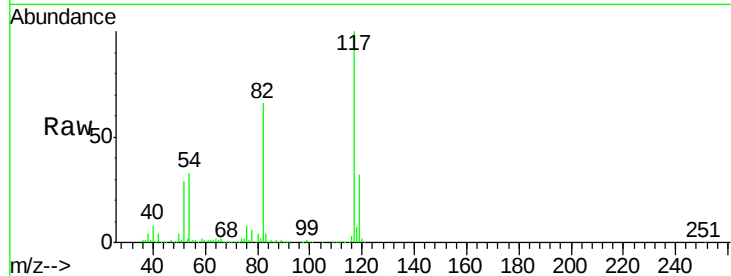
9.93



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

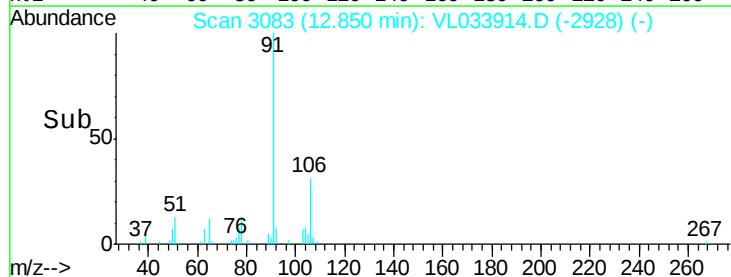
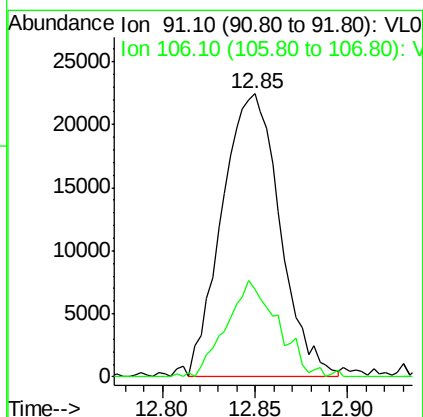
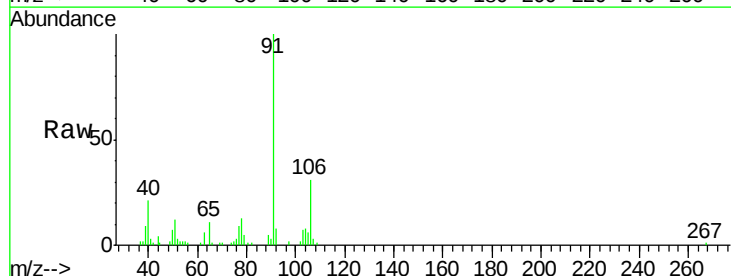
Instrument :
MSVOA_L
ClientSampleId :

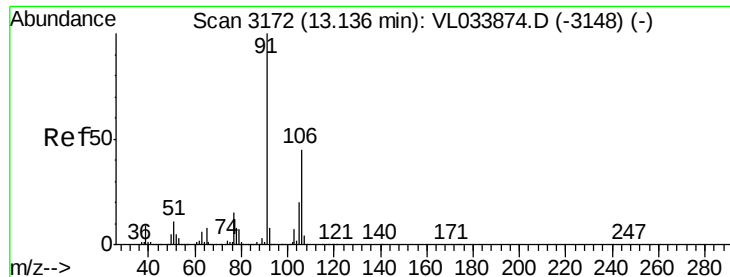
Tot Ion:117 Resp: 2067457
Ion Ratio Lower Upper
117 100
82 66.9 50.2 75.2
119 32.4 24.8 37.2



#58
Ethyl Benzene
Concen: 0.209 ppbv
RT: 12.85 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Tgt Ion: 91 Resp: 48623
Ion Ratio Lower Upper
91 100
106 29.2 23.0 34.6

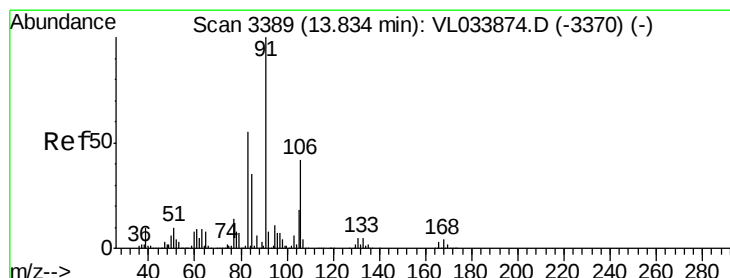
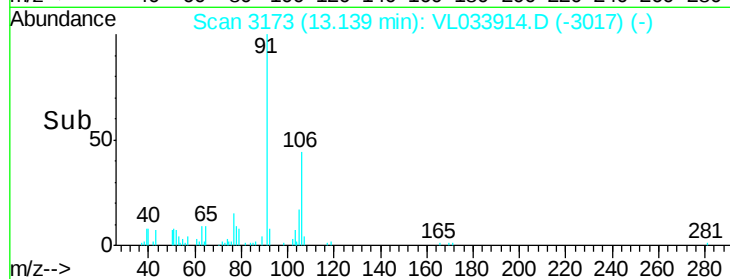
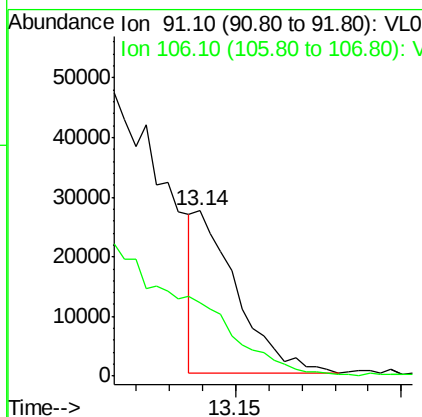
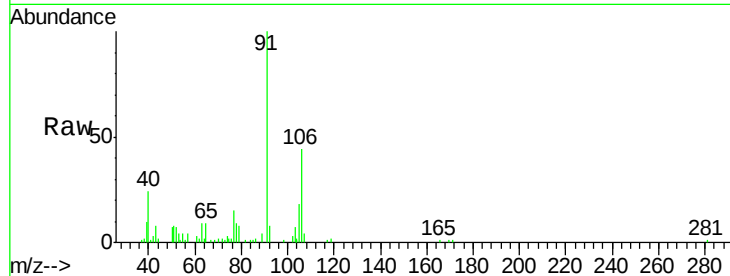




#59
m/p-Xylene
Concen: 0.112 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

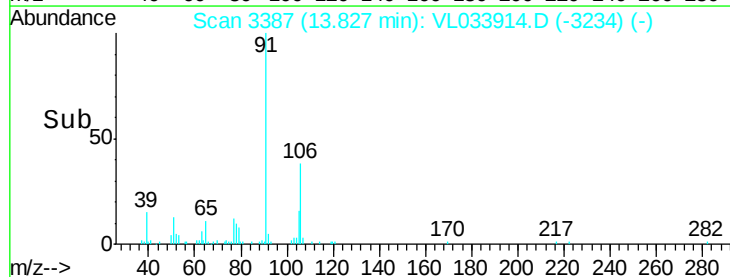
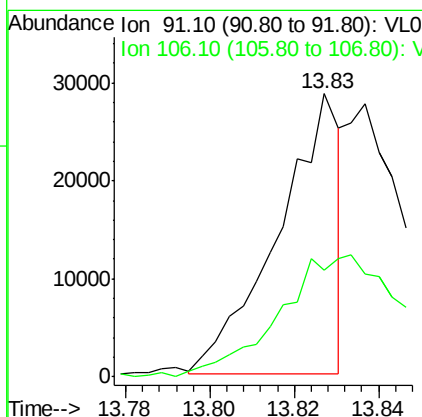
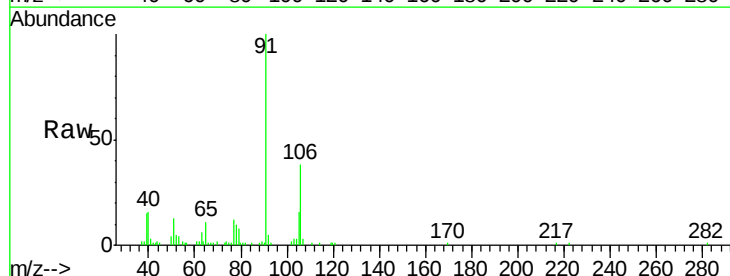
Instrument :
MSVOA_L
ClientSampleId :

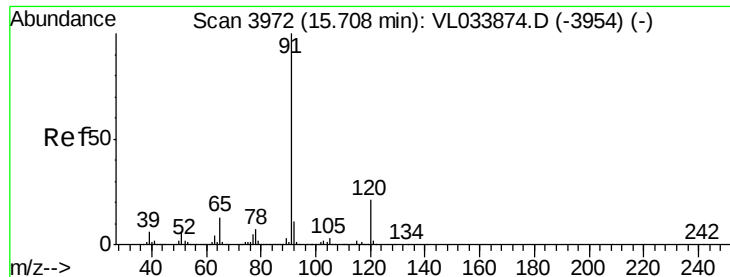
Tot Ion: 91 Resp: 23777
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.8#



#60
o-Xylene
Concen: 0.134 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033914.D
Acq: 14 Jun 2019 2:09

Tgt Ion: 91 Resp: 29382
Ion Ratio Lower Upper
91 100
106 0.0 21.7 65.1#





#64

n-propylbenzene

Concen: 0.042 ppbv

RT: 15.71 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

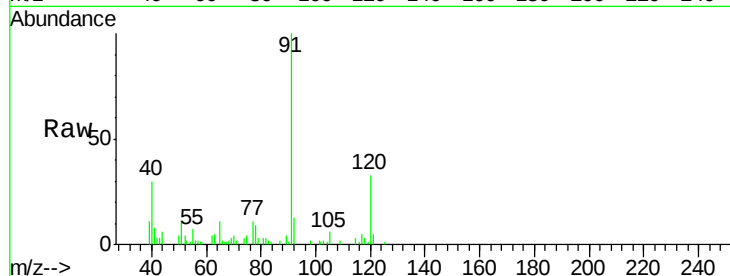
ClientSampleId :

Tot Ion:120 Resp: 3151

Ion Ratio Lower Upper

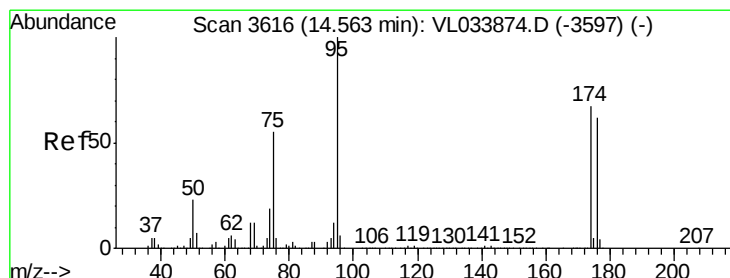
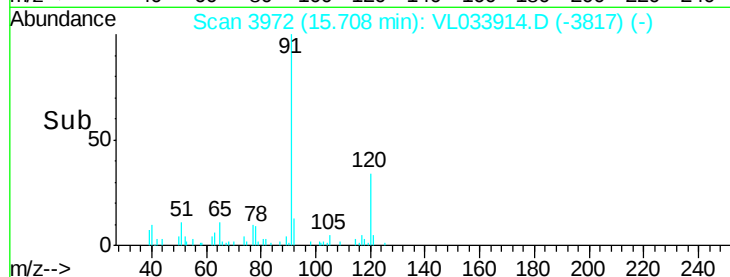
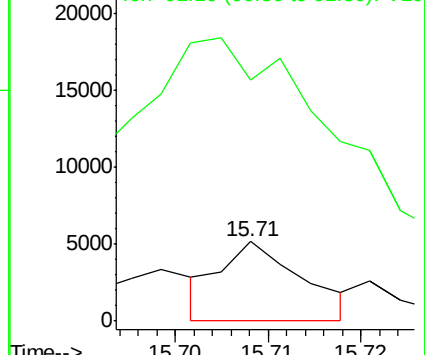
120 100

91 1314.1 387.0 580.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.281 ppbv

RT: 14.56 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

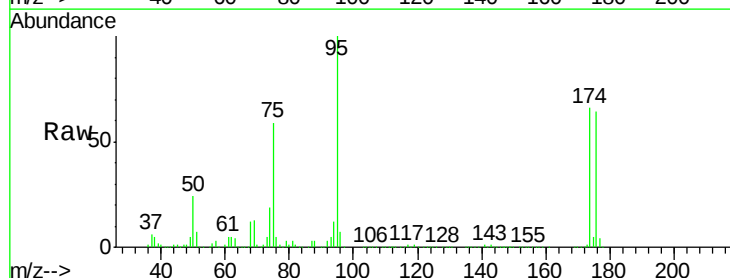
Tgt Ion: 95 Resp: 1576091

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

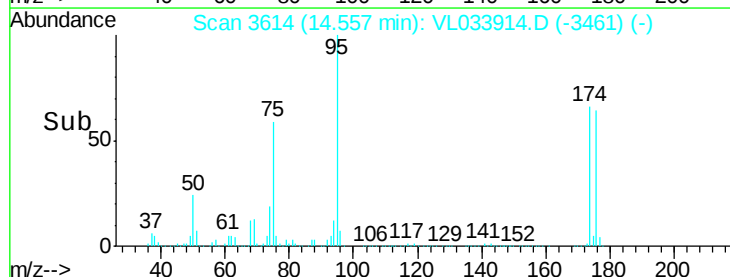
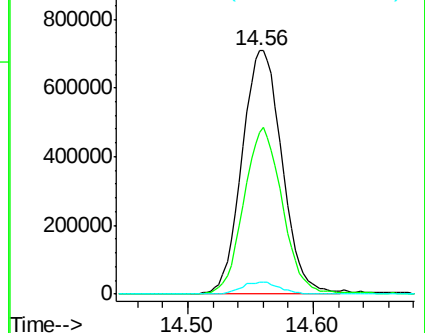
175 4.8 3.8 5.8

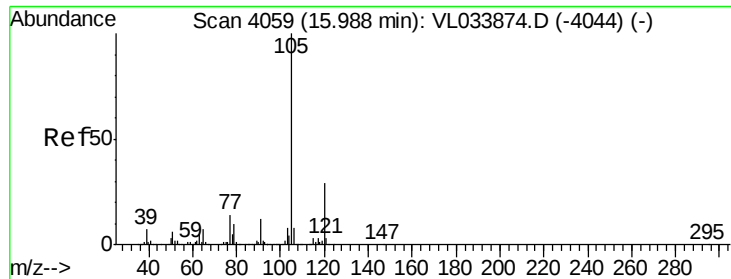


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.128 ppbv

RT: 15.98 min Scan# 4058

Delta R.T. -0.00 min

Lab File: VL033914.D

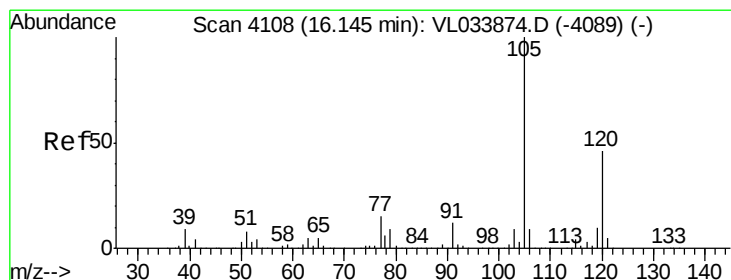
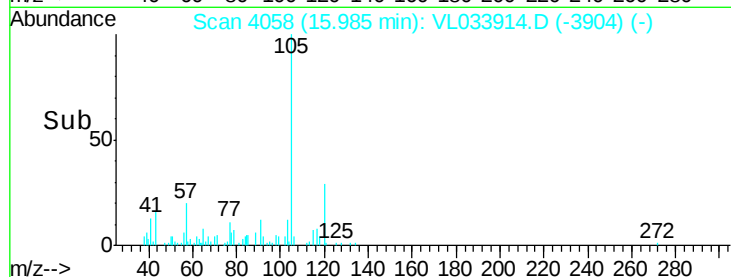
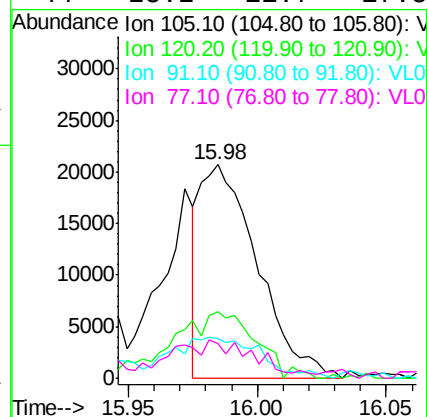
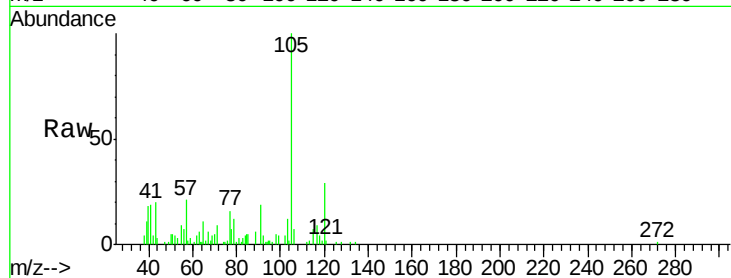
Acq: 14 Jun 2019 2:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	31774
Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.5	35.3#
91	31.7	10.4	15.6#
77	25.2	11.7	17.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.163 ppbv

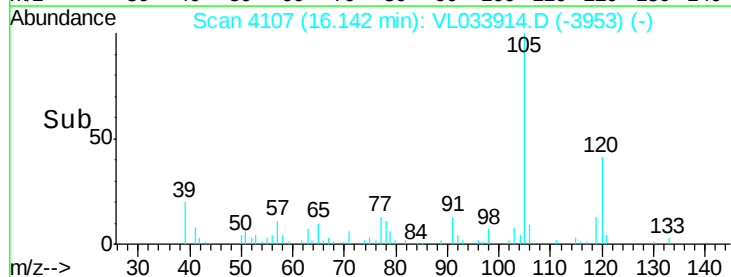
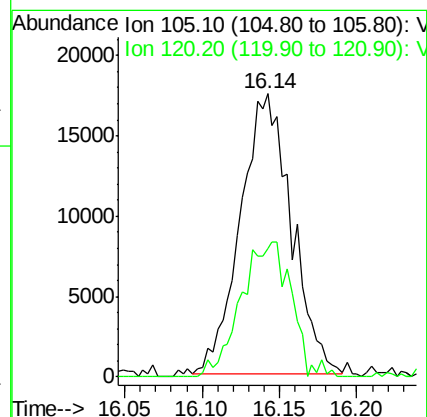
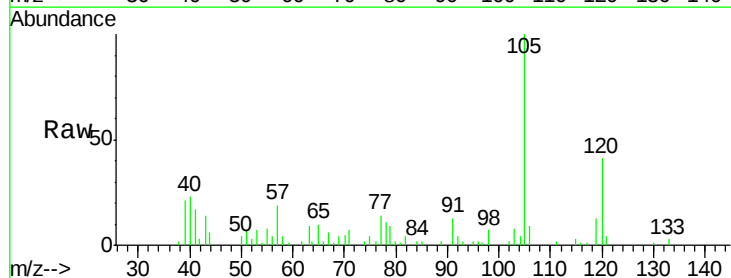
RT: 16.14 min Scan# 4107

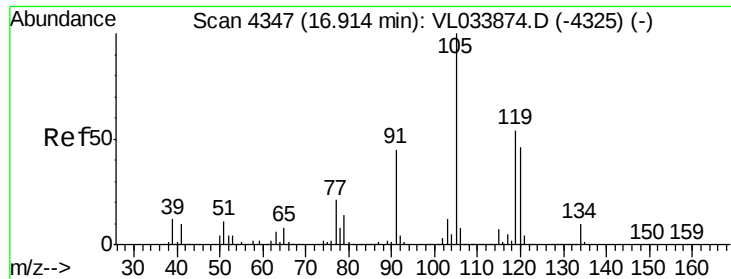
Delta R.T. -0.00 min

Lab File: VL033914.D

Acq: 14 Jun 2019 2:09

Tgt Ion:	105	Resp:	39906
Ion	Ratio	Lower	Upper
105	100		
120	45.8	37.1	55.7

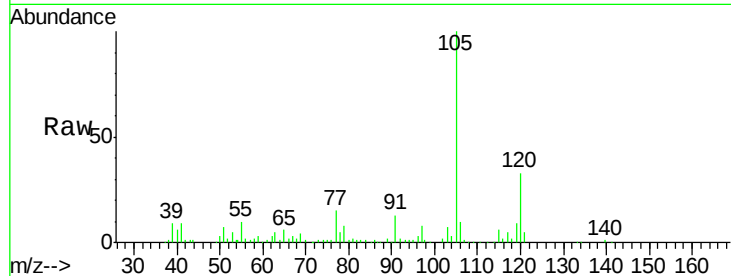




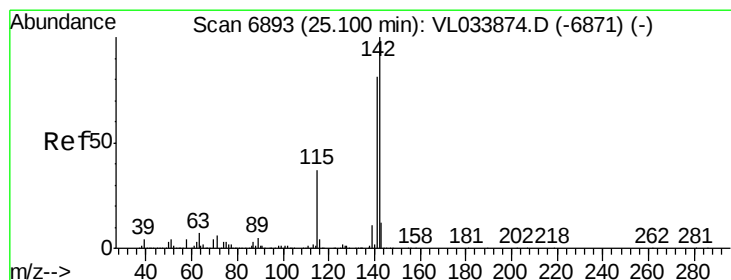
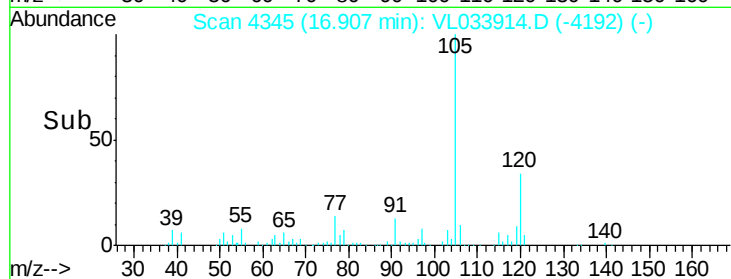
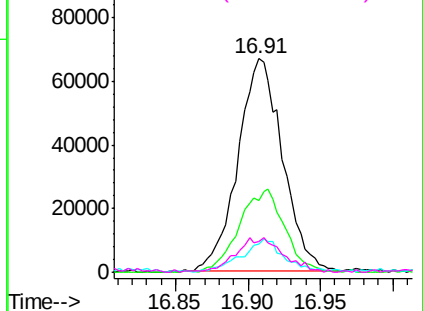
#74
 1,2,4-Trimethylbenzene
 Concen: 0.502 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL033914.D
 Acq: 14 Jun 2019 2:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	105	Resp:	141912
Ion	Ratio	Lower	Upper
105	100		
120	33.3	36.7	55.1#
91	12.0	35.8	53.8#
77	14.8	16.9	25.3#

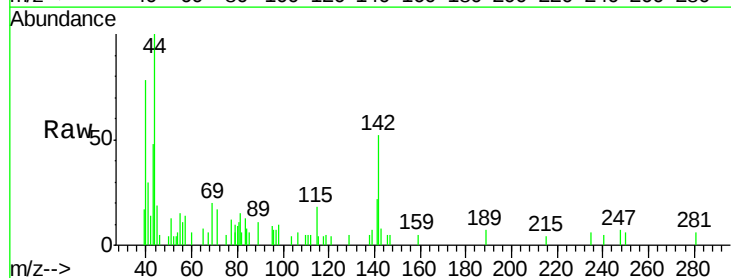


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0



#80
 Naphthalene, 2-methyl-
 Concen: 0.049 ppbv
 RT: 25.11 min Scan# 6895
 Delta R.T. 0.01 min
 Lab File: VL033914.D
 Acq: 14 Jun 2019 2:09

Tgt Ion:	142	Resp:	4404
Ion	Ratio	Lower	Upper
142	100		
141	92.1	65.7	98.5
115	68.6	28.9	43.3#



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

