

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026191.D
 Acq On : 10 Oct 2015 00:55
 Operator : SY/MD
 Sample : G3973-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:24:42 PM

Quant Time: Oct 12 02:29:19 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 0
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	308839	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	1054787	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	1035282	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	16.29	95	808636	10.18	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	37684	0.65	ppbv	92
3) Chlorodifluoromethane	3.57	51	78341m	2.17	ppbv	
4) Chloromethane	3.75	50	3362	0.17	ppbv #	84
9) Propene	3.61	41	12975	0.78	ppbv #	72
10) Heptane	9.36	43	35604	0.62	ppbv	97
11) Trichlorofluoromethane	4.70	101	18843	0.33	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	5.31	101	3985	0.10	ppbv	97
13) Ethanol	4.34	45	107191	44.00	ppbv	88
15) Acetone	4.60	43	727232	18.22	ppbv #	87
17) tert-Butyl alcohol	5.15	59	16268	0.68	ppbv #	88
19) Isopropyl Alcohol	4.77	45	108550	6.98	ppbv #	94
20) Methylene Chloride	5.15	84	25432	1.50	ppbv	87
25) Ethyl Acetate	6.68	43	292512	3.79	ppbv #	89
27) Carbon Disulfide	5.40	76	97630	2.18	ppbv	99
29) Chloroform	6.76	83	31100	0.56	ppbv	96
30) Cyclohexane	8.29	84	62899	1.77	ppbv	86
34) 2-Butanone	6.21	43	58527	1.00	ppbv	96
35) Carbon Tetrachloride	8.17	117	3455m	0.05	ppbv	
36) Benzene	8.02	78	32161	0.32	ppbv	94
37) 1,2-Dichloroethane	7.37	62	5547	0.10	ppbv #	78
38) Trichloroethene	9.07	130	3139	0.07	ppbv #	85
41) Tetrahydrofuran	7.14	42	19650m	0.59	ppbv	
44) 2,2,4-Trimethylpentane	9.09	57	26299	0.16	ppbv #	65
50) 4-Methyl-2-Pentanone	10.09	43	222454	2.87	ppbv	99
52) Tetrachloroethene	12.80	164	27292	0.55	ppbv	95
53) Toluene	11.24	91	641897	4.94	ppbv	99
58) Ethyl Benzene	14.42	91	275090	1.83	ppbv	92
59) m/p-Xylene	14.69	91	1071743	8.88	ppbv	95
60) o-Xylene	15.50	91	315851	2.50	ppbv	95
61) Styrene	15.32	104	235656	4.56	ppbv	95
62) Isopropylbenzene	16.55	105	23575	0.14	ppbv	92
64) n-propylbenzene	17.52	120	10456	0.23	ppbv	98
69) p-Isopropyltoluene	19.80	119	52385	0.32	ppbv #	85
70) n-Butylbenzene	20.77	91	15386	0.10	ppbv #	46
72) 4-Ethyltoluene	17.83	105	59900	0.44	ppbv #	98
73) 1,3,5-Trimethylbenzene	17.99	105	55248	0.44	ppbv	94
74) 1,2,4-Trimethylbenzene	18.84	105	201145	1.51	ppbv #	68
79) Naphthalene	23.94	128	56554	0.68	ppbv	96
80) Naphthalene,2-methyl-	26.06	142	2534	0.14	ppbv #	95

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Manual Integrations
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Quant Time: Oct 12 02:29:19 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

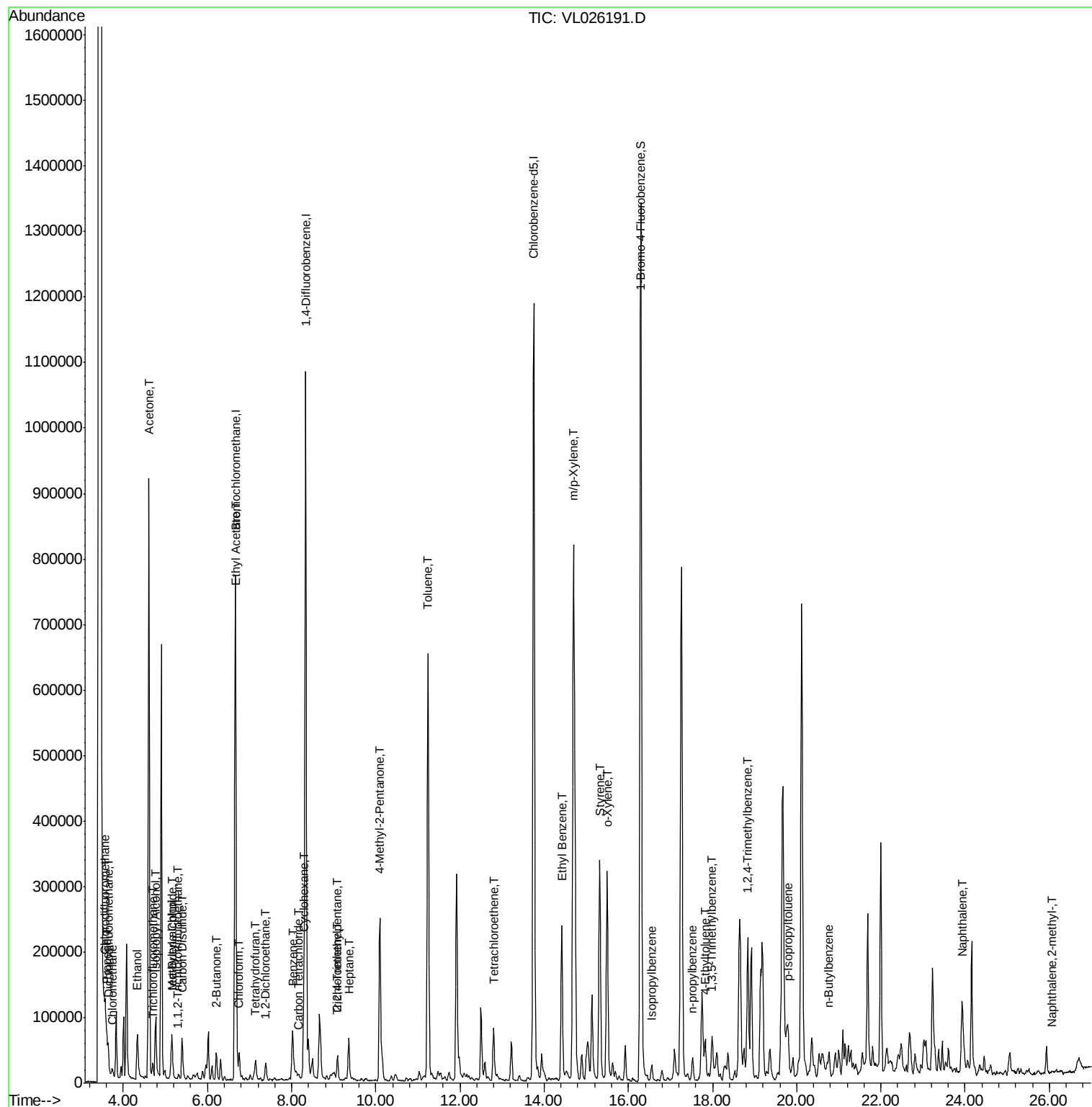
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026191.D
Acq On : 10 Oct 2015 00:55
Operator : SY/MD
Sample : G3973-04
Misc : 400mL/MSVOA L
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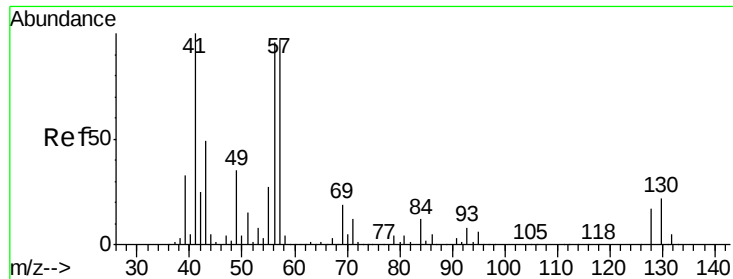
Instrument :
MSVOA_L
ClientSampleId :
SS-4

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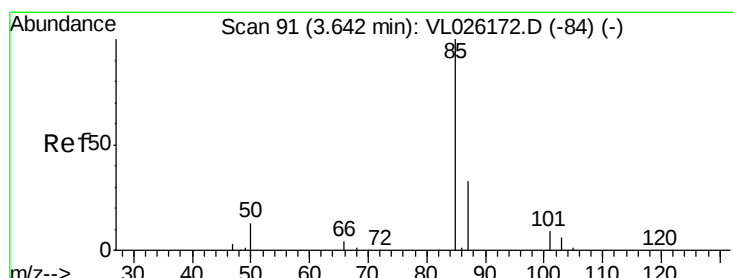
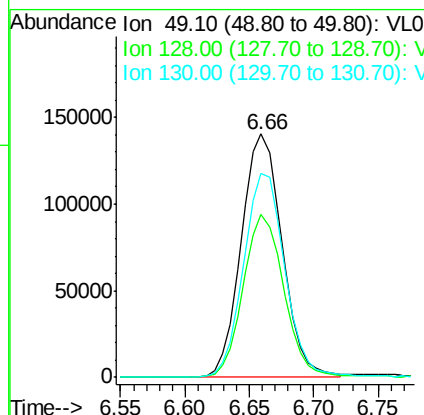
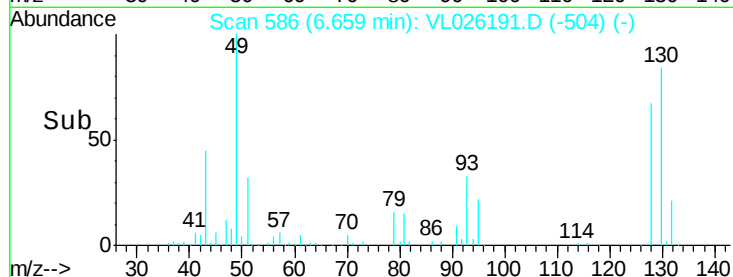
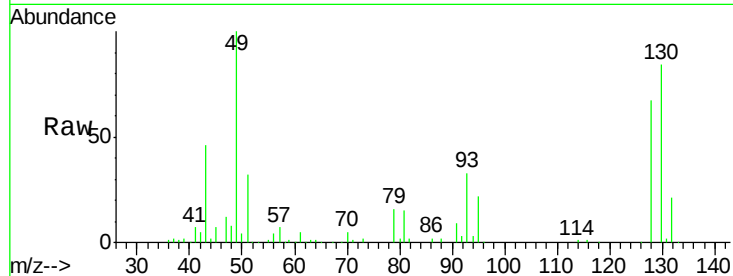
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 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.66 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Tot Ion	Ratio	Lower	Upper
49	100		
128	67.7	26.3	78.8
130	85.2	34.2	102.5

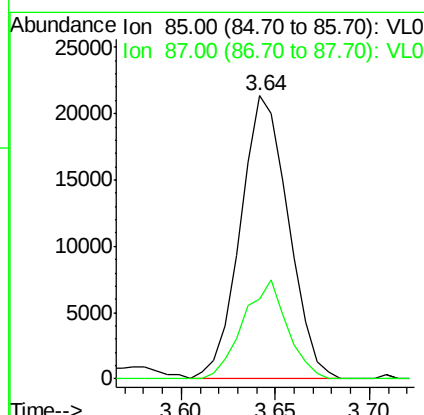
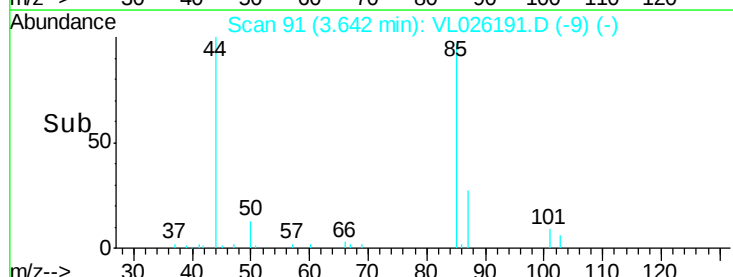
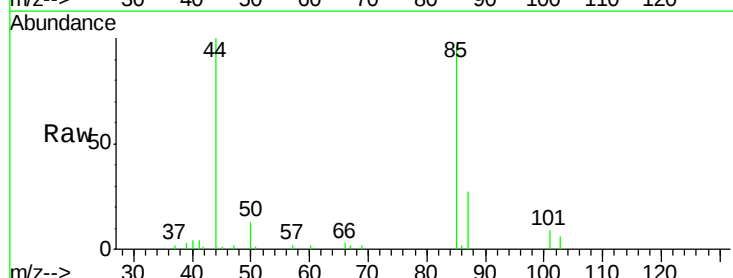
Manual Integrations
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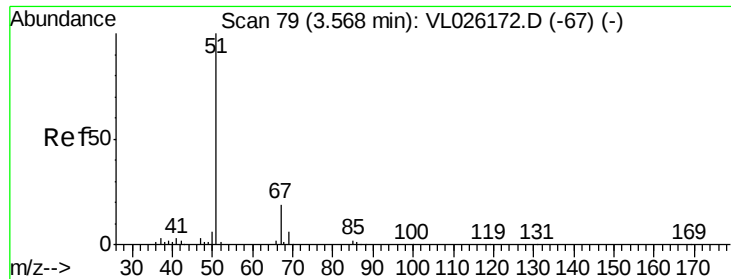
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#2
 Dichlorodifluoromethane
 Concen: 0.65 ppbv
 RT: 3.64 min Scan# 91
 Delta R.T. 0.00 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.1	26.2	39.4





#3

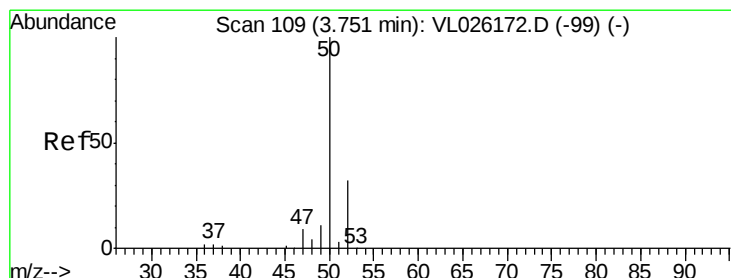
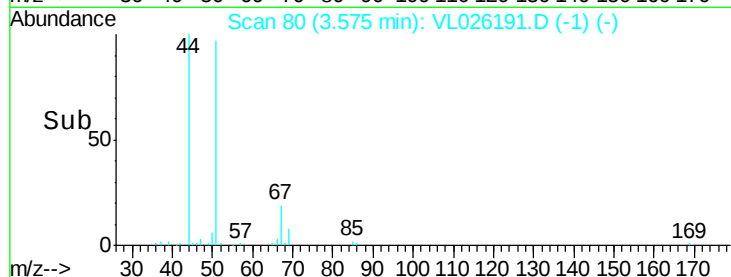
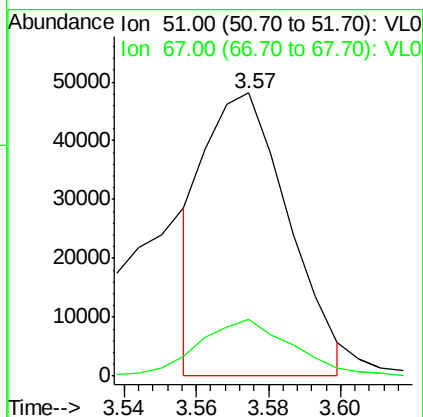
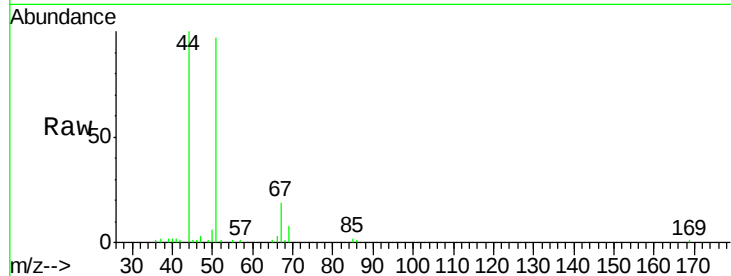
Chlorodifluoromethane
 Concen: 2.17 ppbv m
 RT: 3.57 min Scan# 80
 Delta R.T. 0.01 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Tot Ion	Ratio	Lower	Upper
51	100		
67	22.9	14.9	22.3#

Manual Integrations
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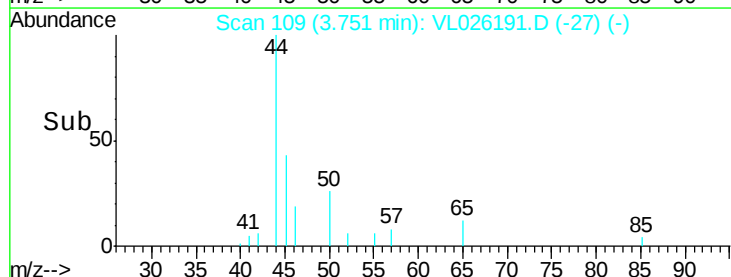
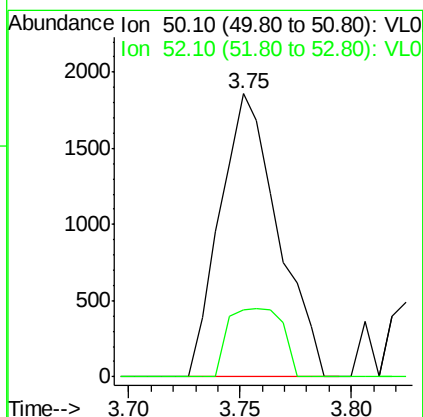
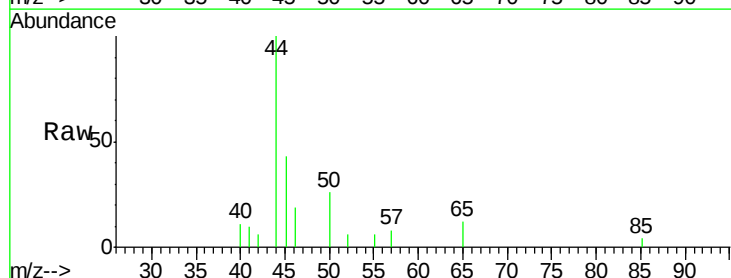
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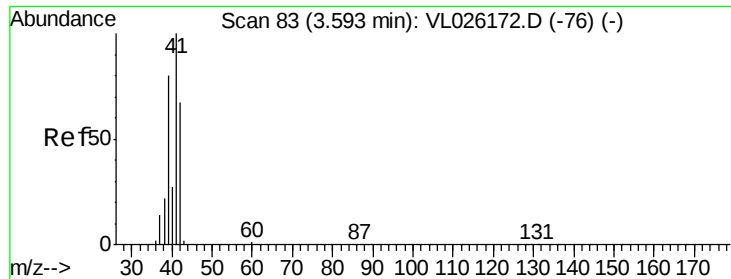


#4

Chloromethane
 Concen: 0.17 ppbv
 RT: 3.75 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Lower	Upper
50	100		
52	23.5	25.9	38.9#





#9

Propene

Concen: 0.78 ppbv

RT: 3.61 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

ClientSampled :

SS-4

Tot Ion: 41 Resp: 12975

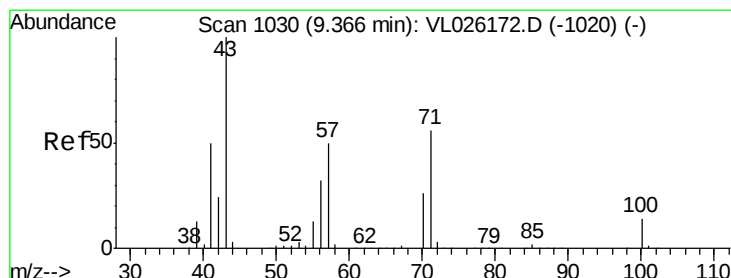
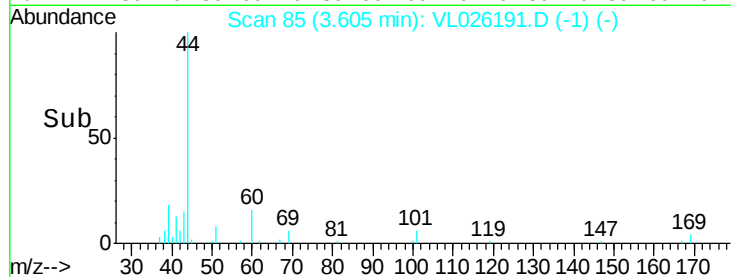
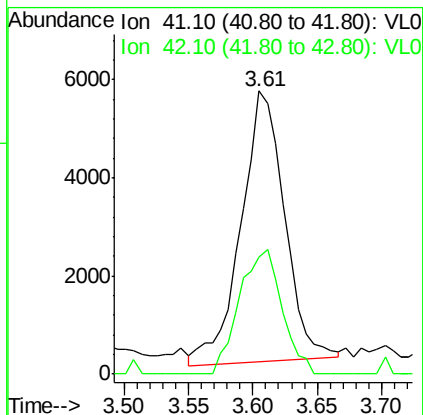
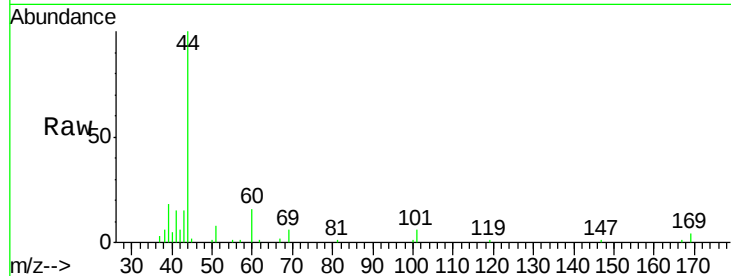
Ion Ratio Lower Upper

41 100

42 44.8 53.6 80.4#

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#10

Heptane

Concen: 0.62 ppbv

RT: 9.36 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VL026191.D

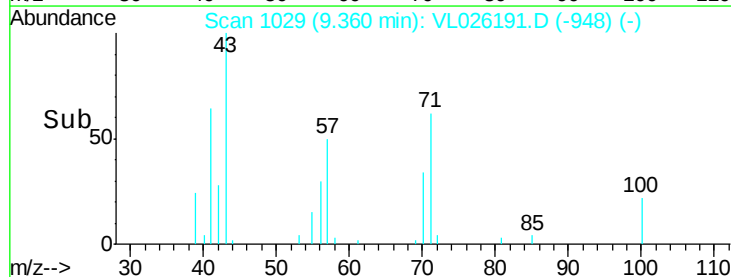
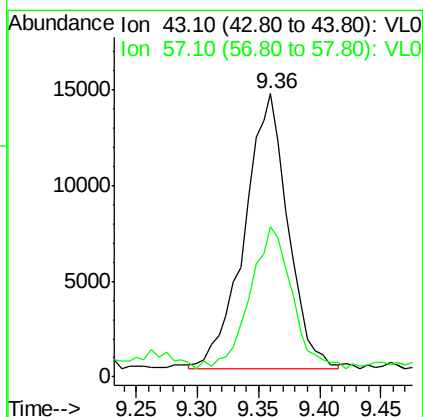
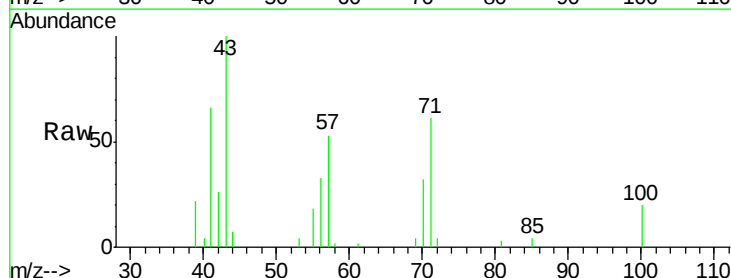
Acq: 10 Oct 2015 00:55

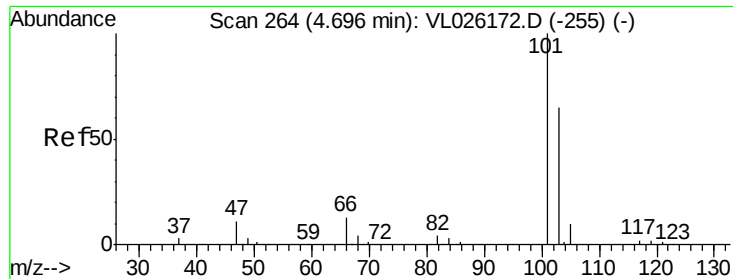
Tgt Ion: 43 Resp: 35604

Ion Ratio Lower Upper

43 100

57 50.2 41.8 62.8





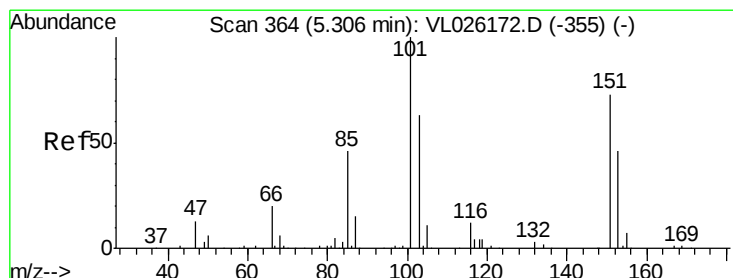
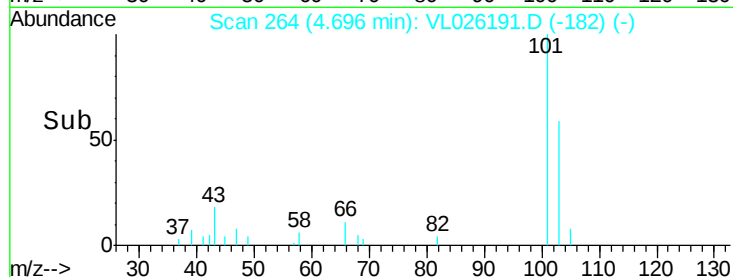
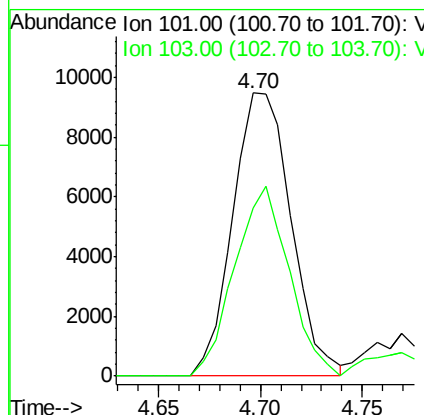
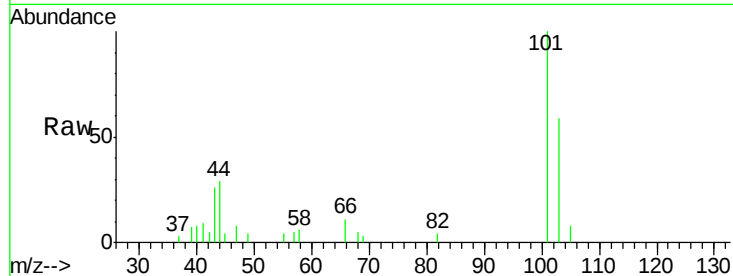
#11
 Trichlorofluoromethane
 Concen: 0.33 ppbv
 RT: 4.70 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4

Tot Ion:101 Resp: 18843
 Ion Ratio Lower Upper
 101 100
 103 59.4 51.9 77.9

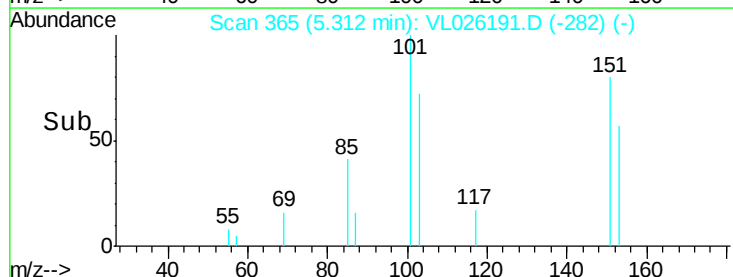
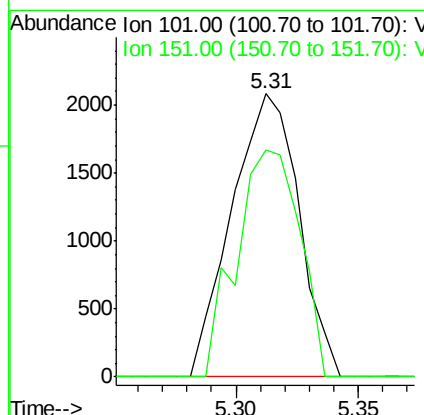
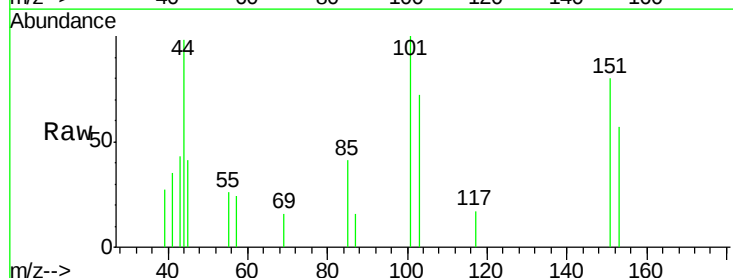
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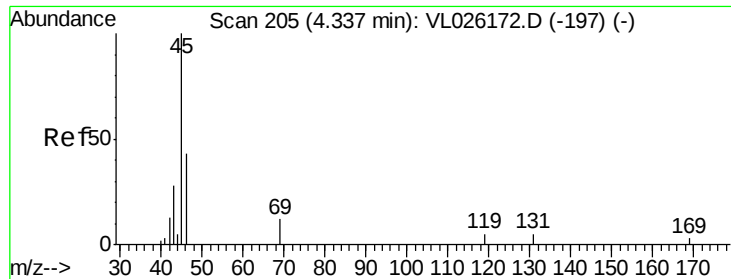
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.10 ppbv
 RT: 5.31 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Tgt Ion:101 Resp: 3985
 Ion Ratio Lower Upper
 101 100
 151 75.9 59.0 88.6





#13

Ethanol

Concen: 44.00 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

ClientSampleId :

SS-4

Tot Ion: 45 Resp: 107191

Ion Ratio Lower Upper

45 100

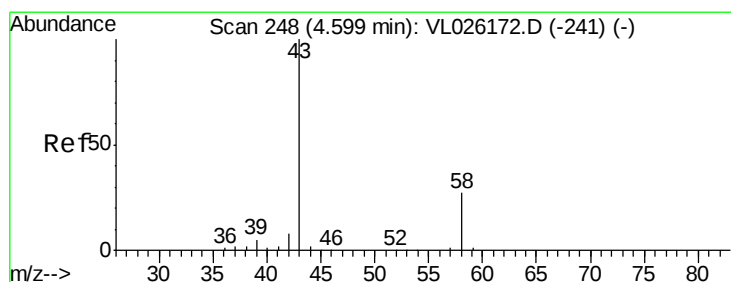
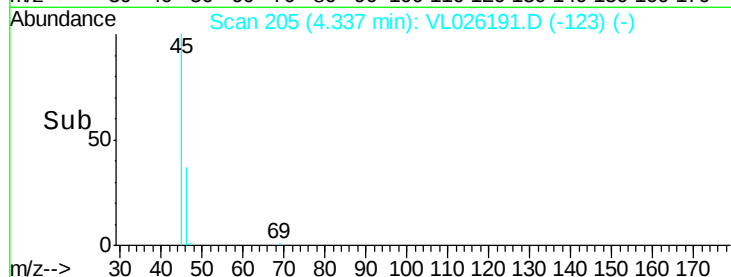
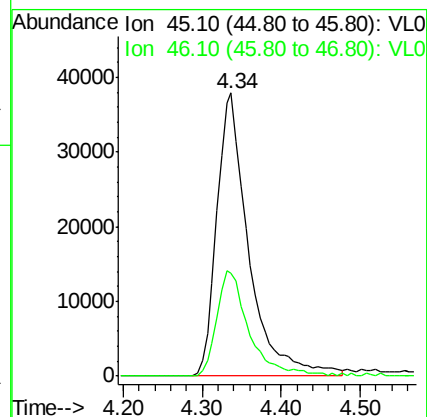
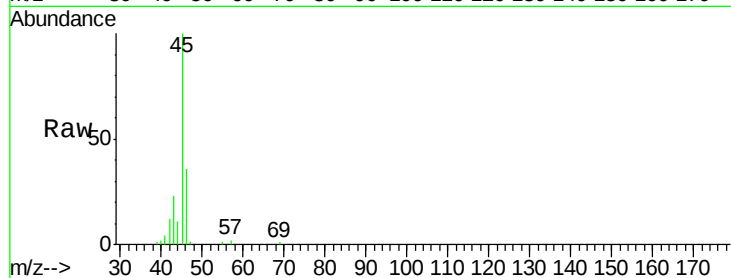
46 37.4 18.1 72.5

Manual Integrations

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#15

Acetone

Concen: 18.22 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL026191.D

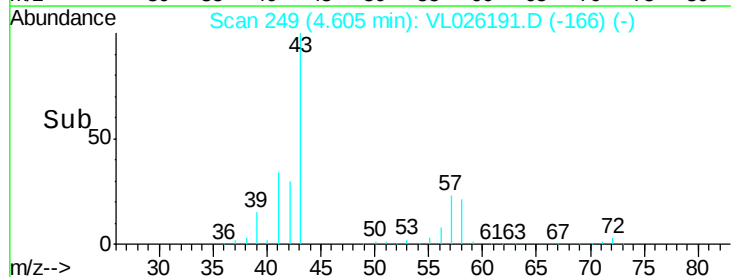
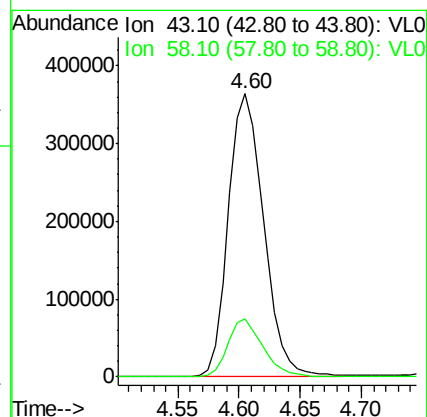
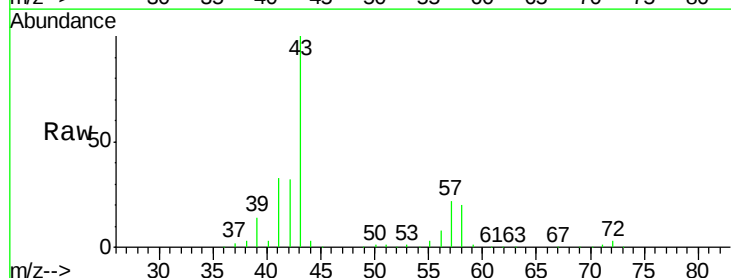
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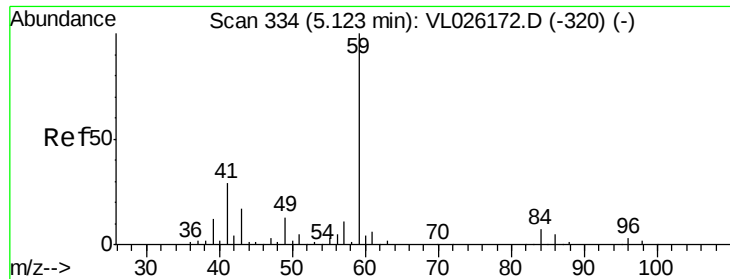
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Ion Ratio Lower Upper

43 100

58 20.5 22.0 33.0#





#17

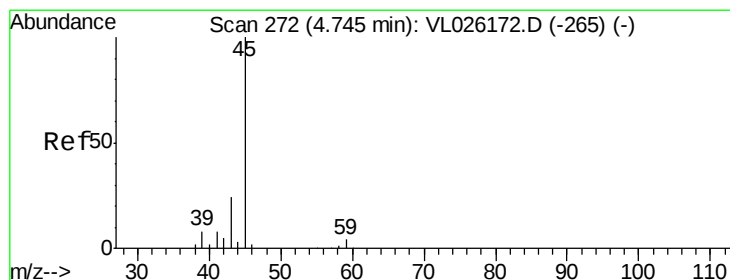
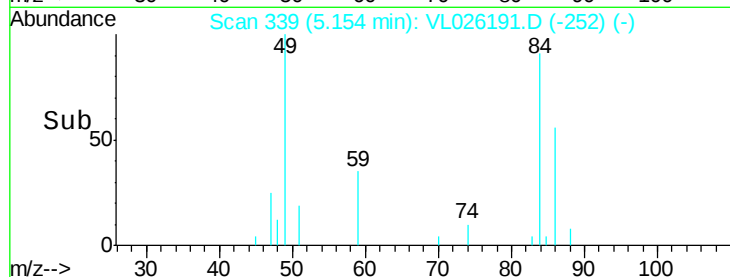
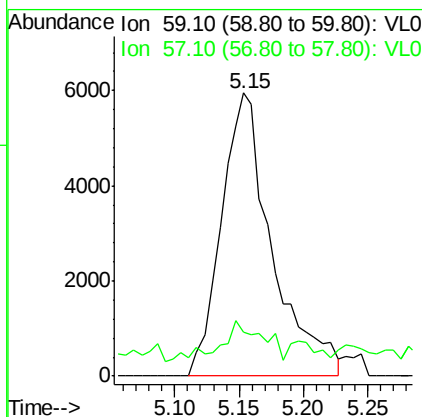
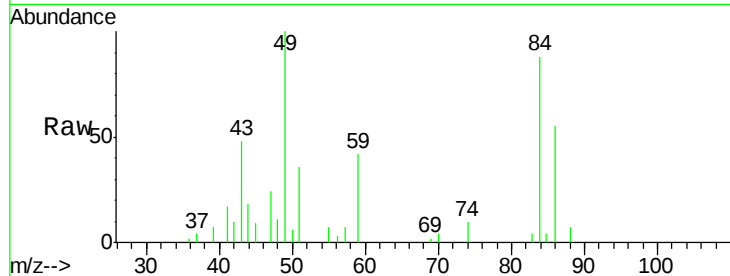
tert-Butyl alcohol
 Concen: 0.68 ppbv
 RT: 5.15 min Scan# 339
 Delta R.T. 0.03 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4

Tot Ion: 59 Resp: 16268
 Ion Ratio Lower Upper
 59 100
 57 15.6 8.8 13.2#

Manual Integrations
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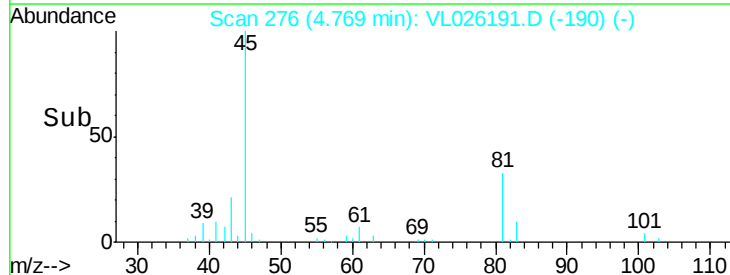
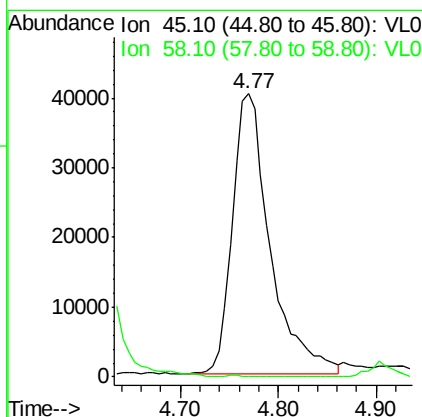
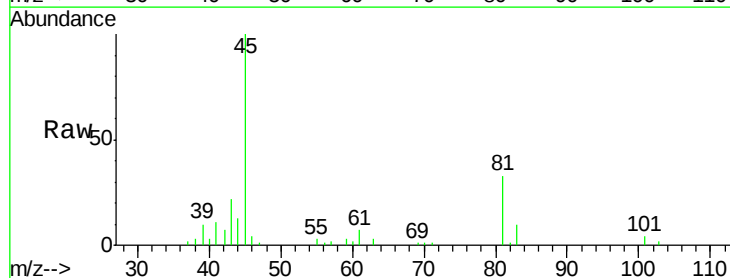
MMdadoda
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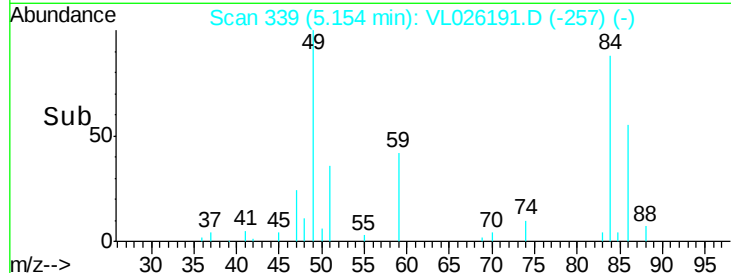
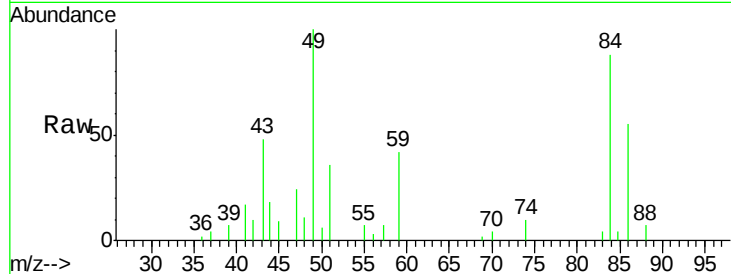
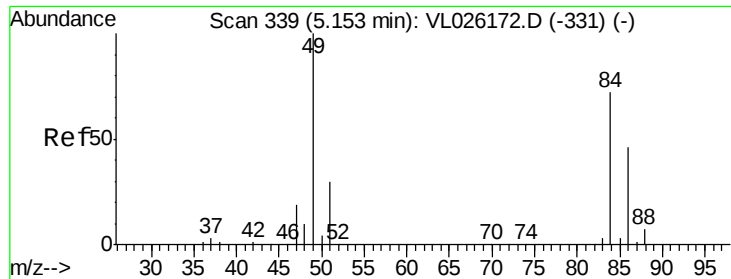


#19

Isopropyl Alcohol
 Concen: 6.98 ppbv
 RT: 4.77 min Scan# 276
 Delta R.T. 0.02 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Tgt Ion: 45 Resp: 108550
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.7 2.5#





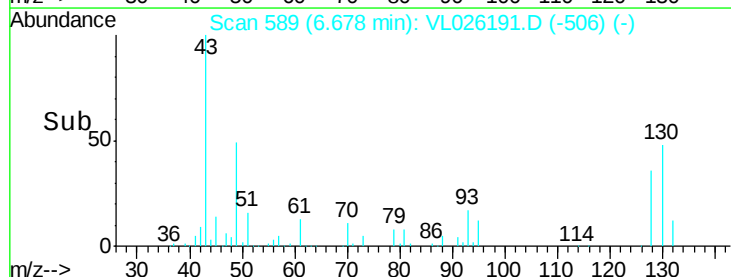
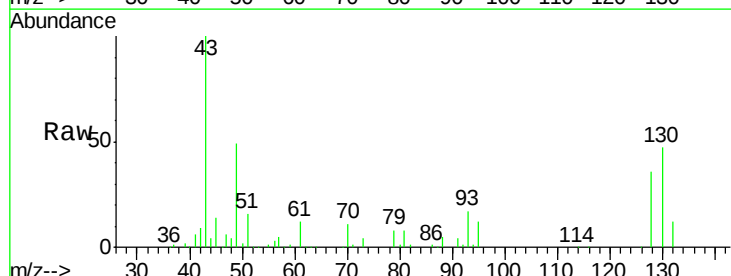
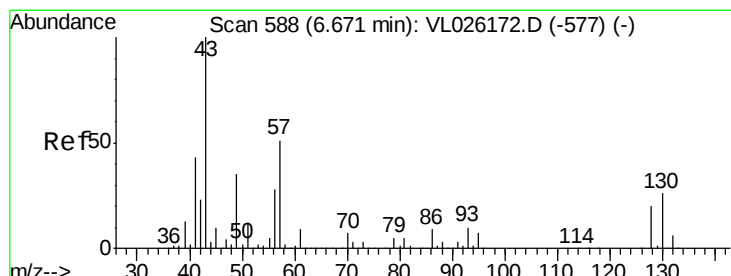
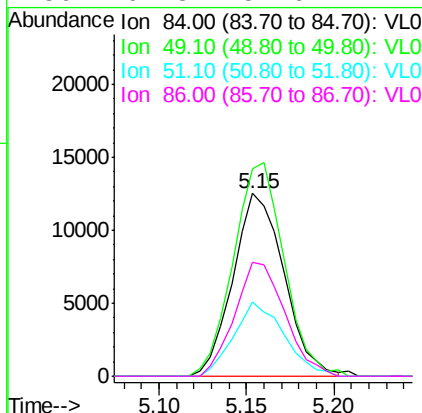
#20
Methvlene Chloride
Concen: 1.50 ppbv
RT: 5.15 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Tot Ion	84	Resp	25432
Ion	Ratio	Lower	Upper
84	100		
49	113.0	111.3	166.9
51	40.7	33.0	49.6
86	62.3	51.6	77.4

Instrument :
MSVOA_L
ClientSampleId :
SS-4

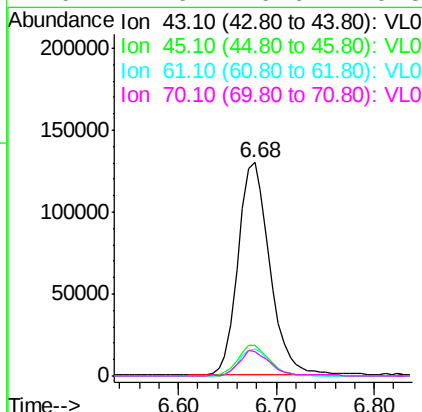
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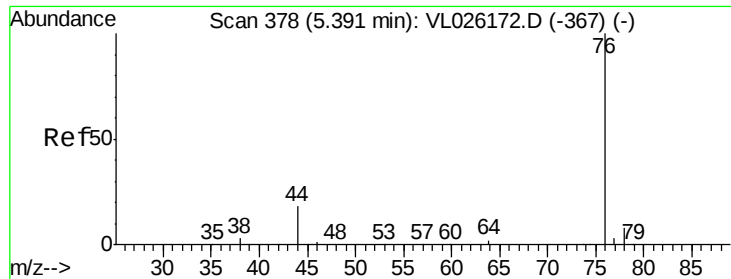
MMdadoda
10/12/2015 1:24:42 PM



#25
Ethyl Acetate
Concen: 3.79 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Tgt Ion	43	Resp	292512
Ion	Ratio	Lower	Upper
43	100		
45	14.6	7.7	11.5#
61	12.4	7.4	11.2#
70	12.6	6.6	9.8#





#27

Carbon Disulfide

Concen: 2.18 ppbv

RT: 5.40 min Scan# 379

Delta R.T. 0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

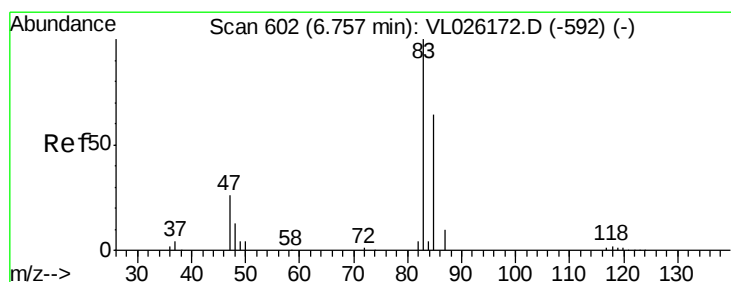
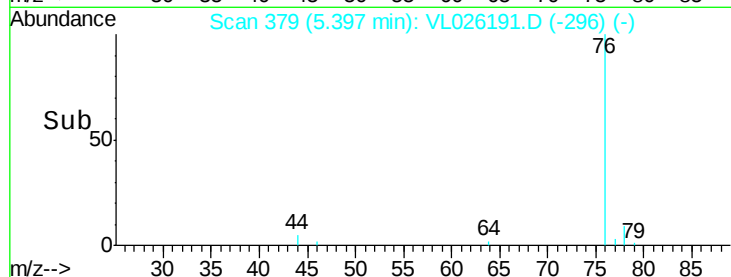
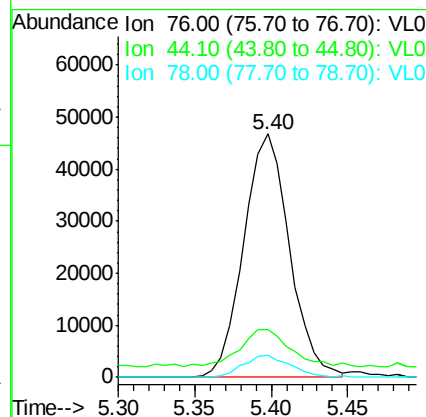
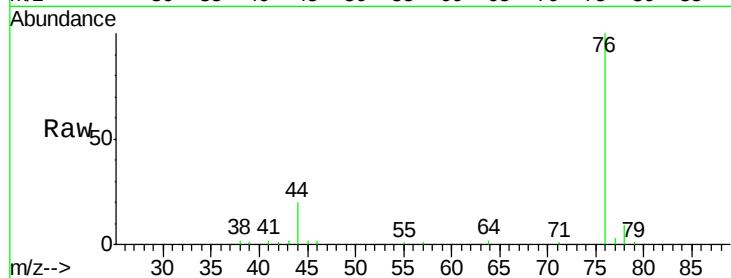
ClientSampled :

SS-4

Tot Ion:	76	Resp:	97630
Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.2	21.4
78	9.5	7.5	11.3

Manual Integrations
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10/12/2015 1:24:42 PM



#29

Chloroform

Concen: 0.56 ppbv

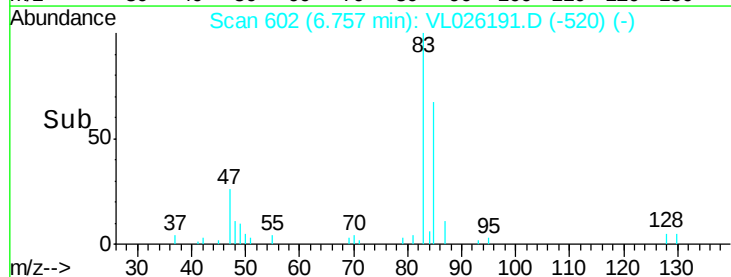
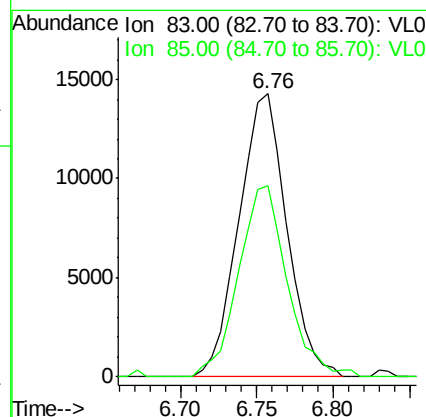
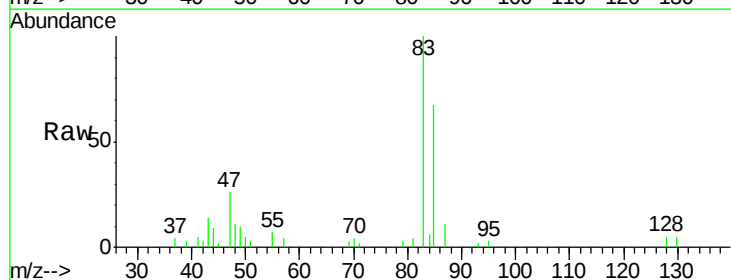
RT: 6.76 min Scan# 602

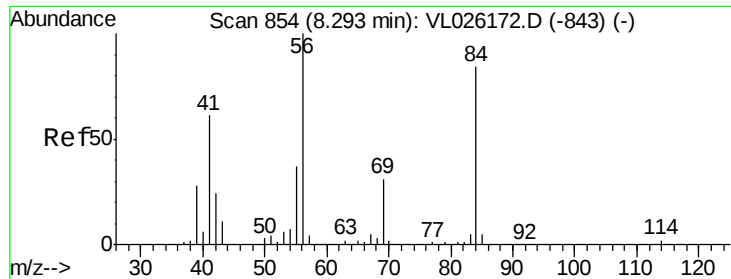
Delta R.T. 0.00 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Tgt Ion:	83	Resp:	31100
Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.5	77.3





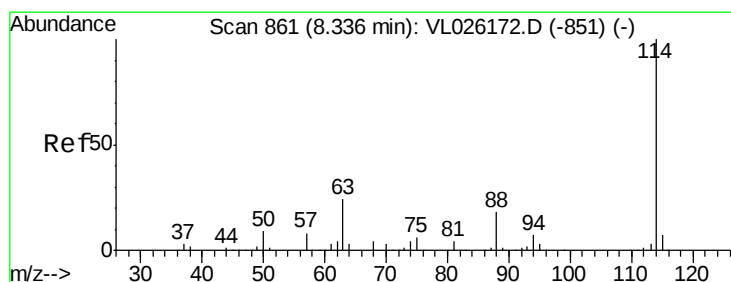
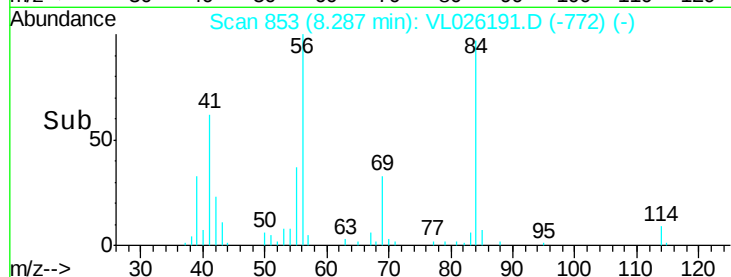
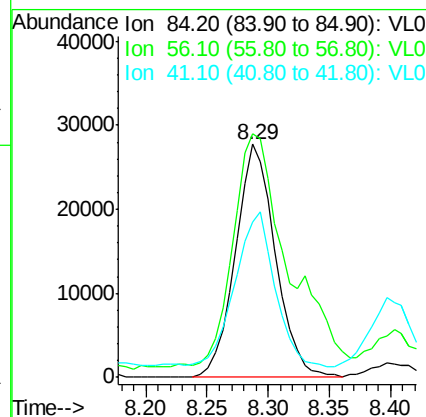
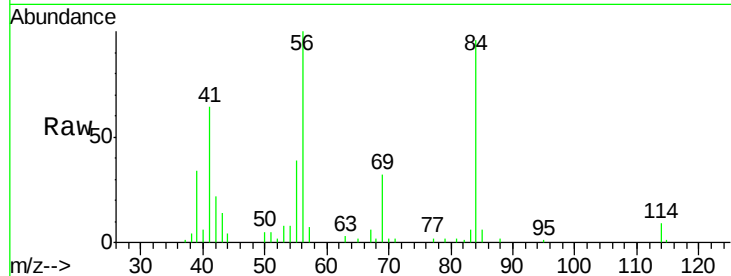
#30
Cyclohexane
Concen: 1.77 ppbv
RT: 8.29 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Instrument :
MSVOA_L
ClientSampleId :
SS-4

Tot Ion	Ratio	Lower	Upper
84	100		
56	147.6	99.8	149.8
41	70.0	58.1	87.1

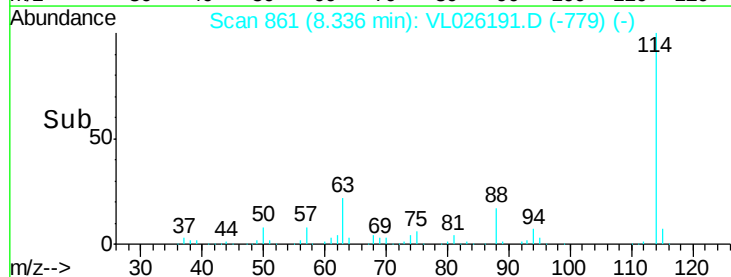
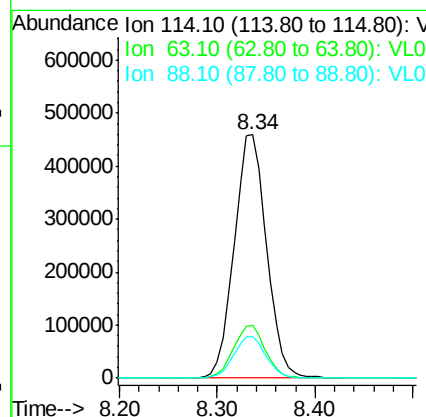
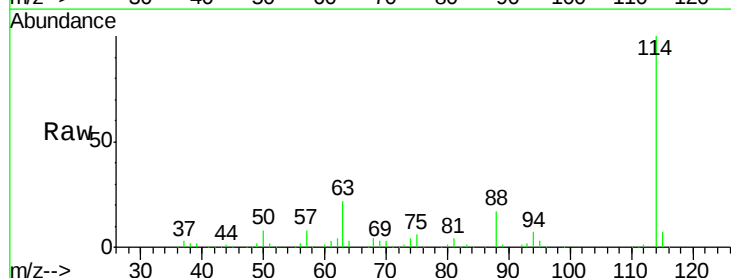
Manual Integrations
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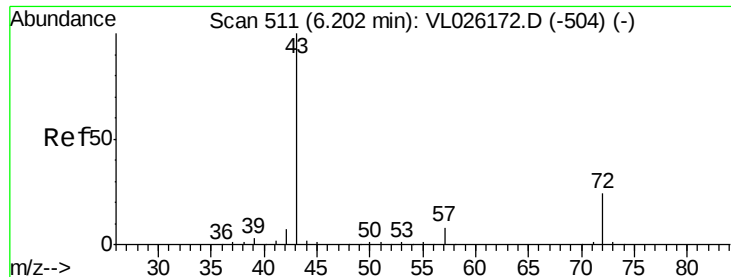
MMdadoda
10/12/2015 1:24:42 PM



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.34 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	19.0	28.6
88	17.1	13.8	20.8





#34

2-Butanone

Concen: 1.00 ppbv

RT: 6.21 min Scan# 512

Delta R.T. 0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

ClientSampled :

SS-4

Tot Ion: 43 Resp: 58527

Ion Ratio Lower Upper

43 100

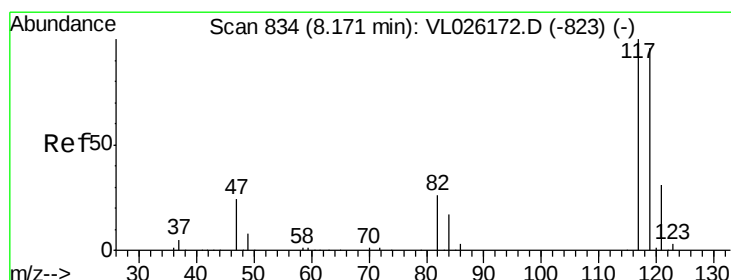
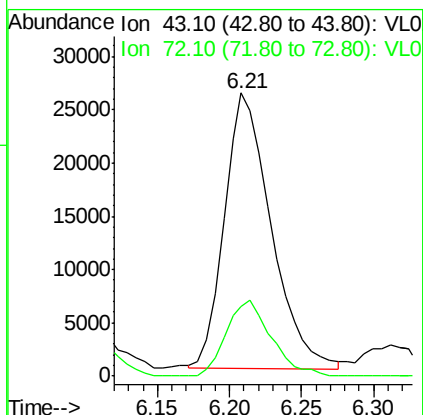
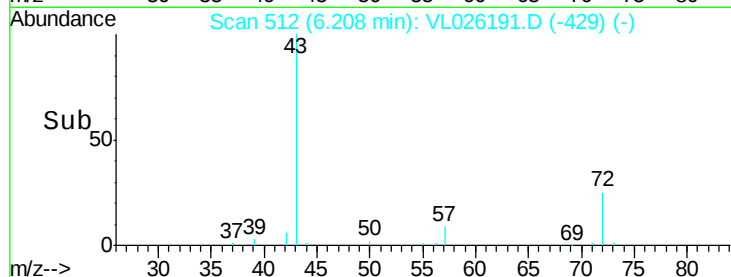
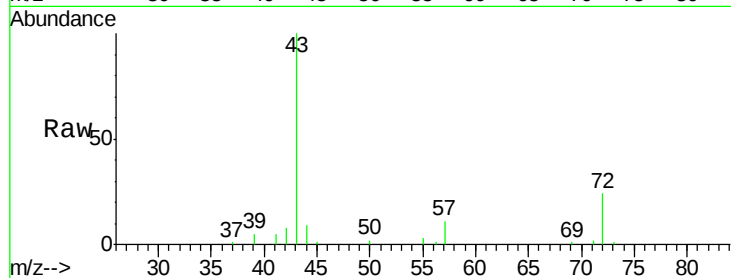
72 26.6 19.6 29.4

Manual Integrations

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MMdadoda

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#35

Carbon Tetrachloride

Concen: 0.05 ppbv m

RT: 8.17 min Scan# 833

Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

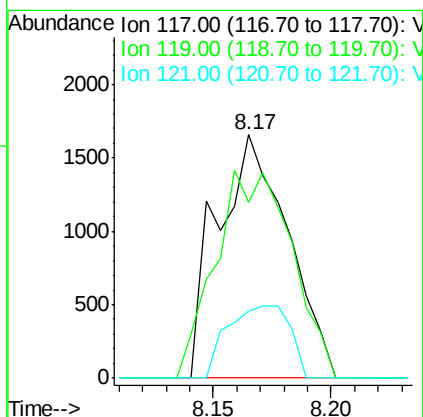
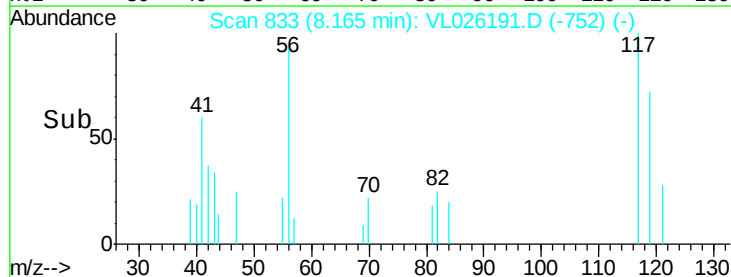
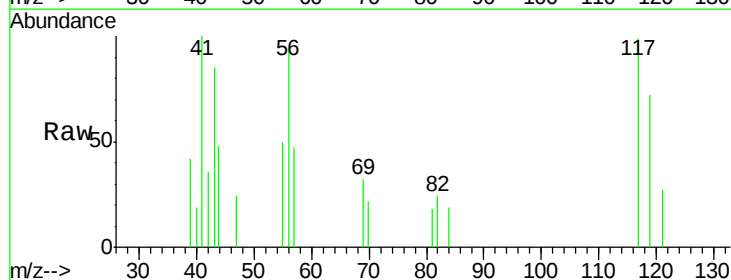
Tgt Ion: 117 Resp: 3455

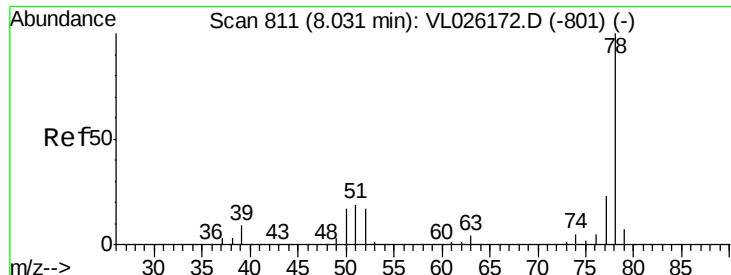
Ion Ratio Lower Upper

117 100

119 72.3 76.6 115.0#

121 27.7 25.0 37.4





#36

Benzene

Concen: 0.32 ppbv

RT: 8.02 min Scan# 810

Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

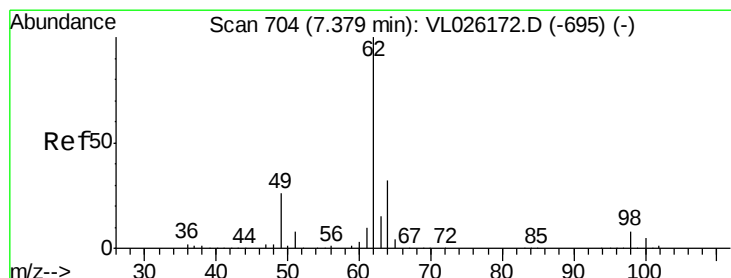
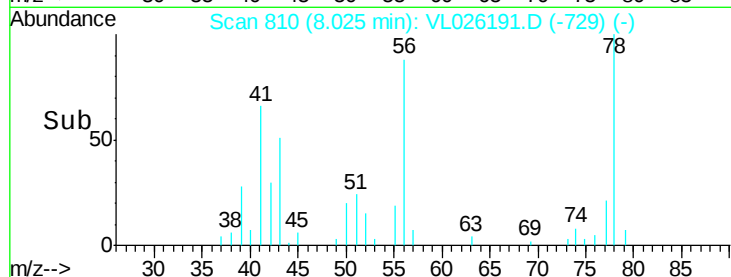
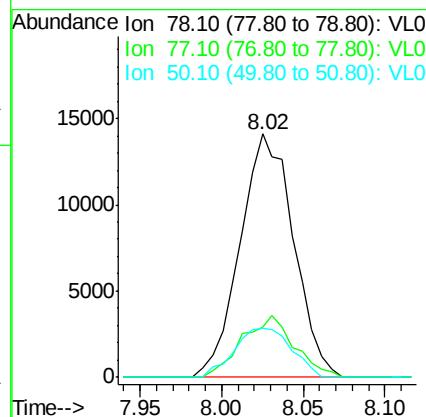
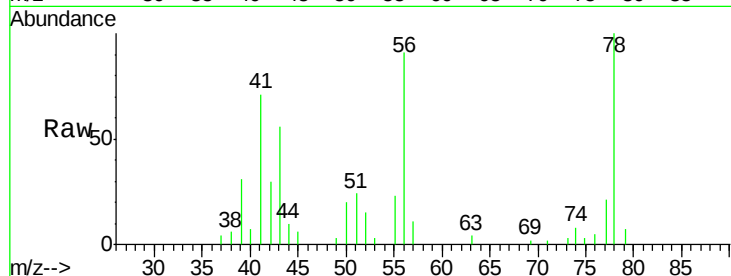
ClientSampled :

SS-4

Tot Ion:	78	Resp:	32161
Ion	Ratio	Lower	Upper
78	100		
77	20.7	18.2	27.4
50	20.1	13.4	20.2

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#37

1,2-Dichloroethane

Concen: 0.10 ppbv

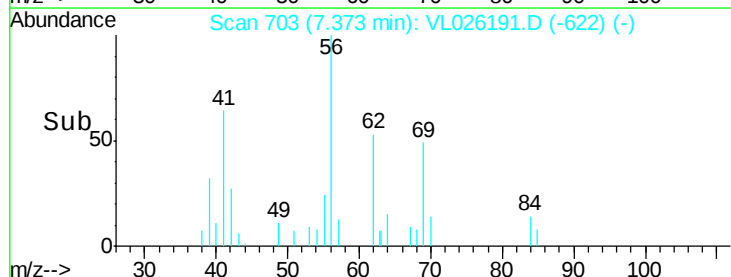
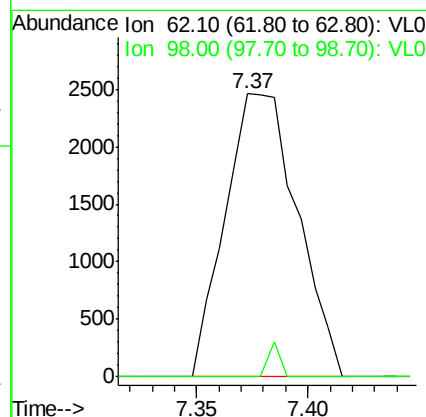
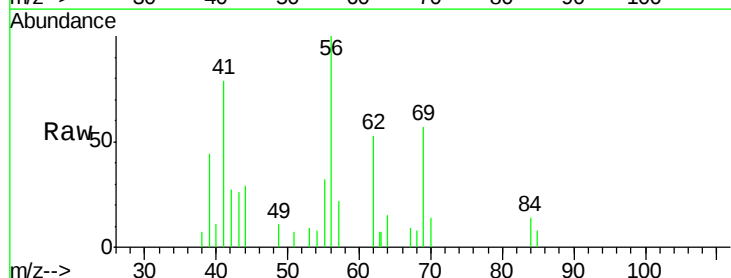
RT: 7.37 min Scan# 703

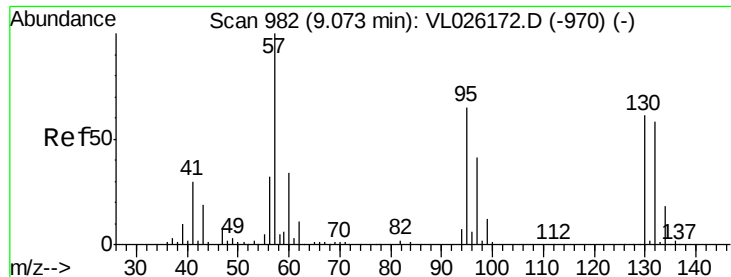
Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Tgt Ion:	62	Resp:	5547
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.2	9.2#





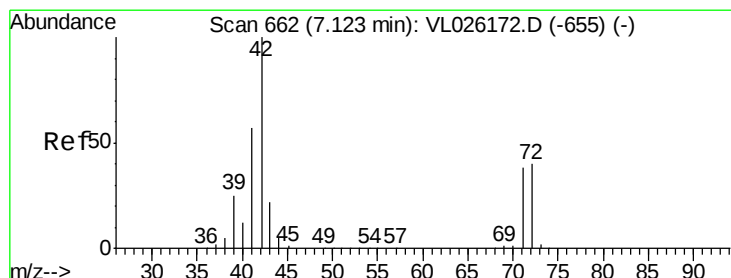
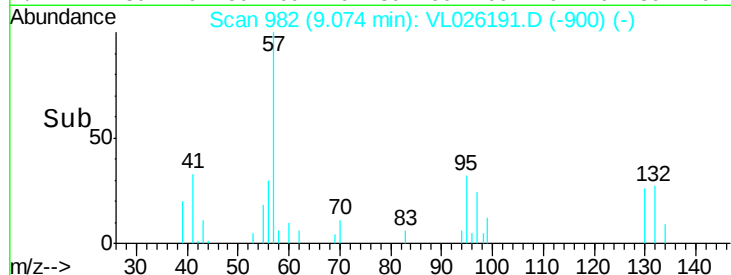
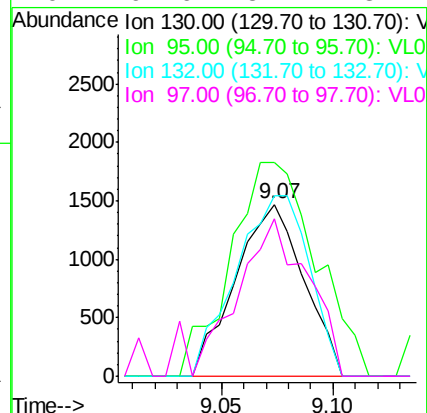
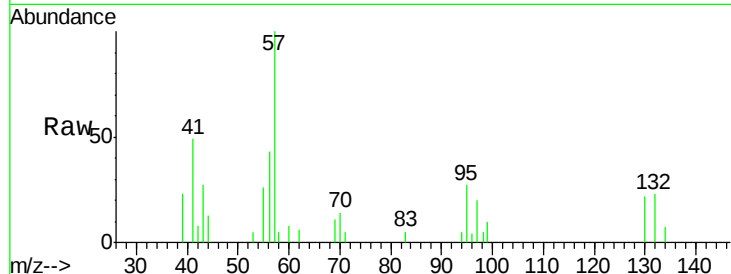
#38
 Trichloroethene
 Concen: 0.07 ppbv
 RT: 9.07 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Tot Ion	Ratio	Lower	Upper
130	100		
95	95.2	84.9	127.3
132	105.0	76.8	115.2
97	91.6	54.1	81.1#

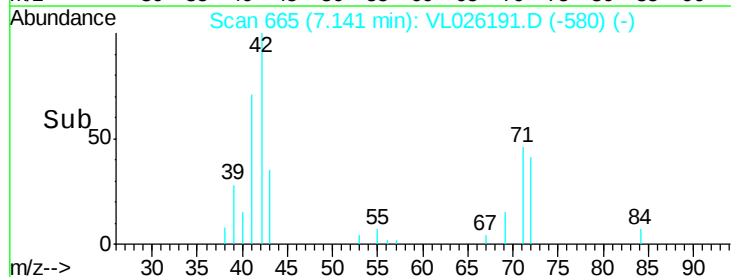
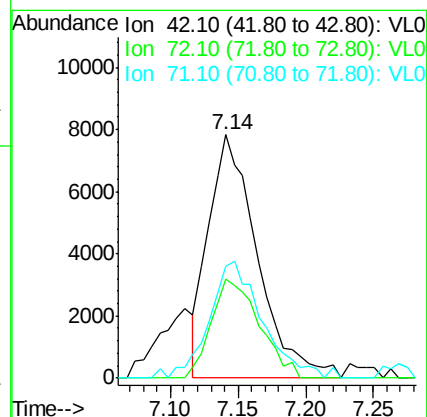
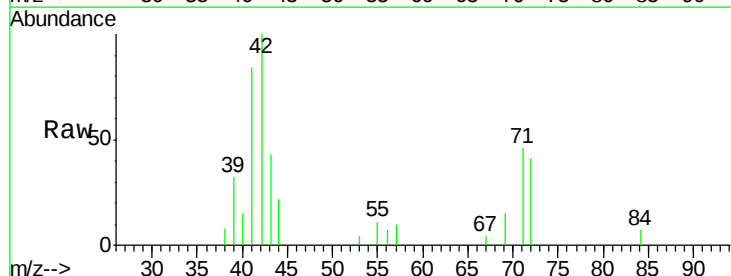
Manual Integrations
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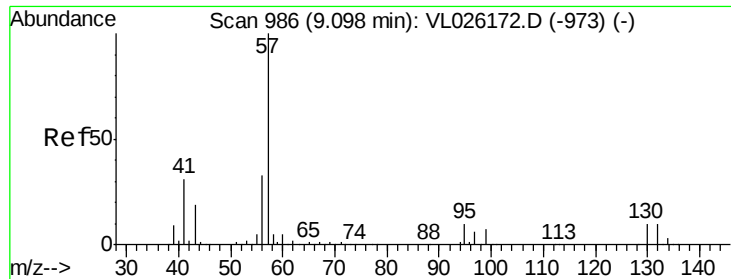
MMdadoda
 10/12/2015 1:24:42 PM



#41
 Tetrahydrofuran
 Concen: 0.59 ppbv m
 RT: 7.14 min Scan# 665
 Delta R.T. 0.02 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.4	48.6#
71	0.0	30.2	45.4#





#44

2,2,4-Trimethylpentane

Concen: 0.16 ppbv

RT: 9.09 min Scan# 984

Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

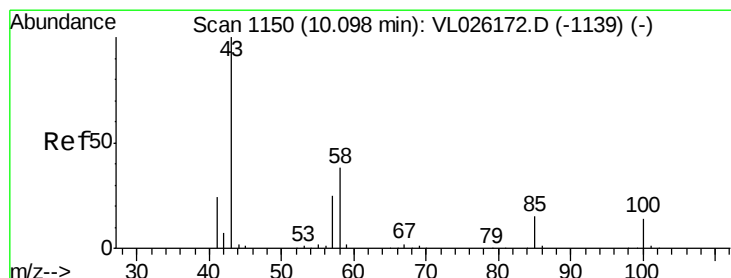
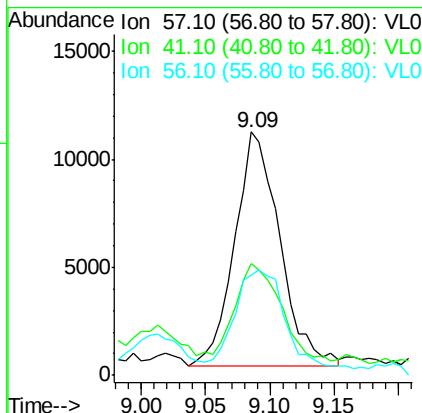
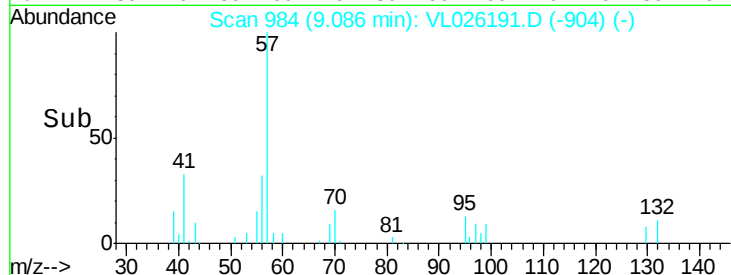
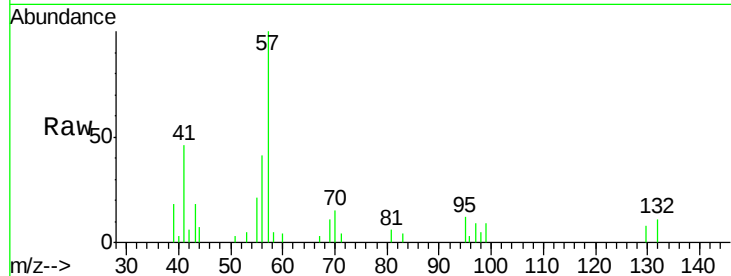
ClientSampled :

SS-4

Tot Ion:	57	Resp:	26299
Ion Ratio	Lower	Upper	
57	100		
41	43.4	23.7	35.5#
56	57.7	26.4	39.6#

Manual Integrations
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10/12/2015 1:24:42 PM



#50

4-Methyl-2-Pentanone

Concen: 2.87 ppbv

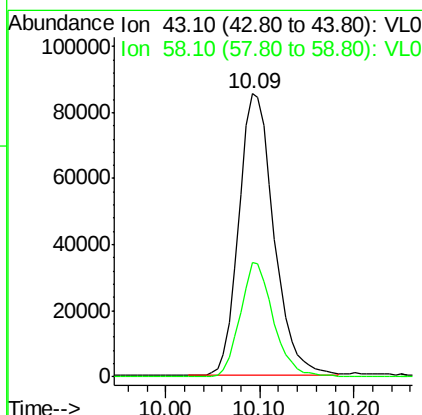
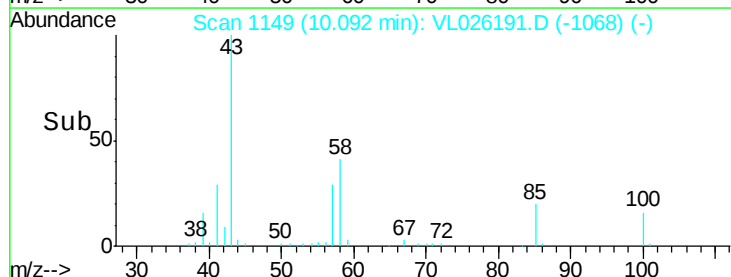
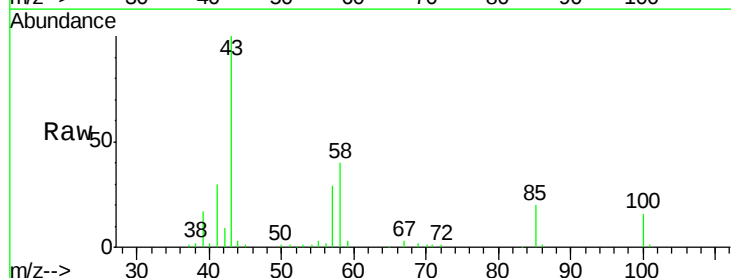
RT: 10.09 min Scan# 1149

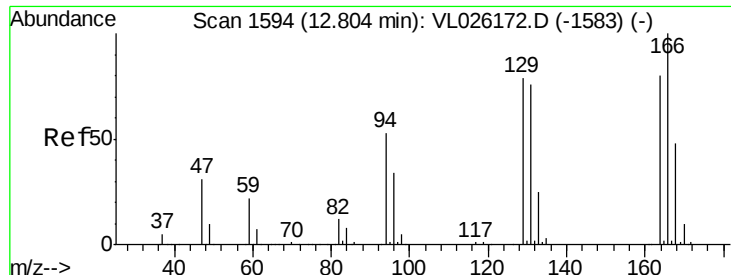
Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Tgt Ion:	43	Resp:	222454
Ion Ratio	Lower	Upper	
43	100		
58	38.4	30.4	45.6





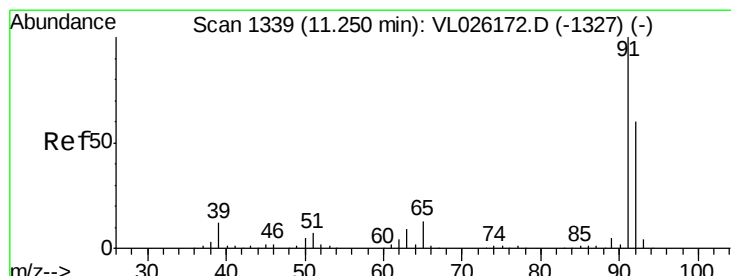
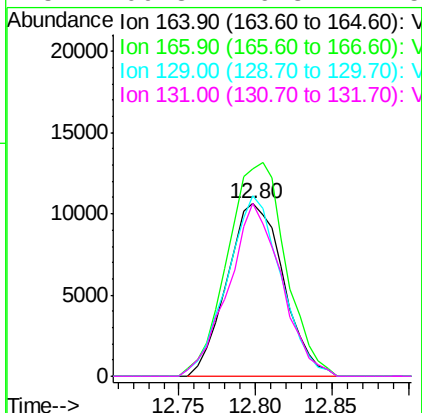
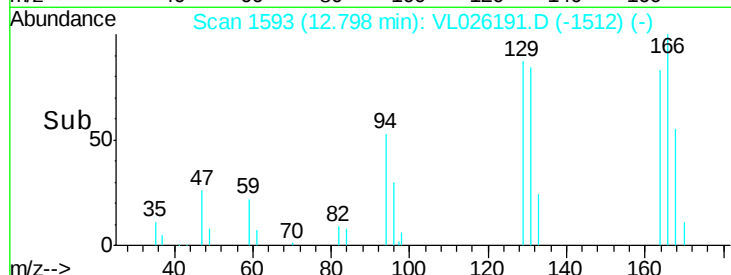
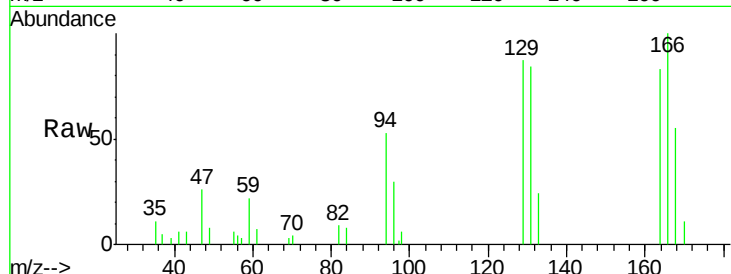
#52
Tetrachloroethene
Concen: 0.55 ppbv
RT: 12.80 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Instrument :
MSVOA_L
ClientSampleId :
SS-4

Tot Ion	Ratio	Lower	Upper
164	100		
166	120.0	99.9	149.9
129	104.4	79.1	118.7
131	100.3	76.3	114.5

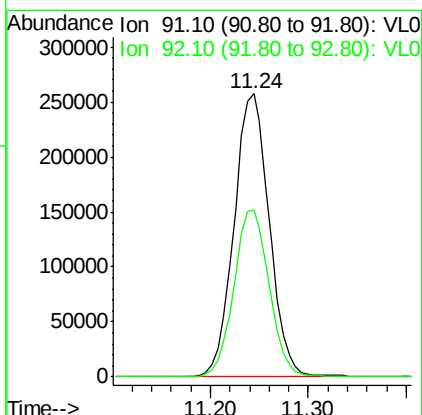
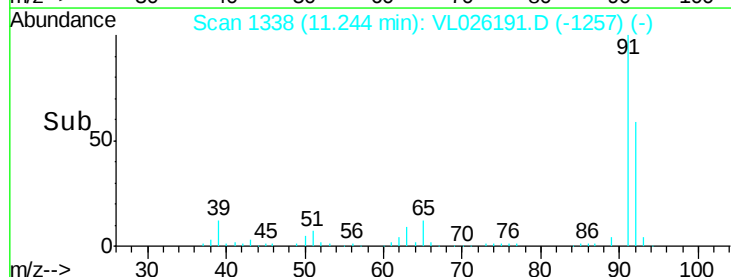
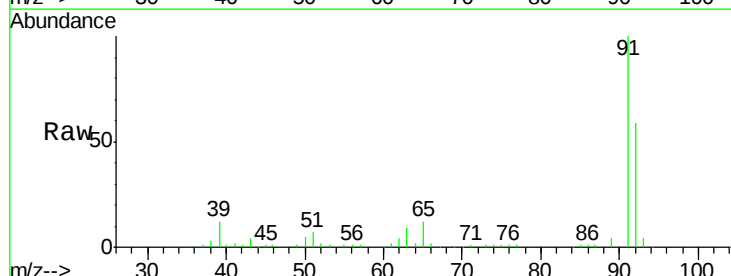
Manual Integrations
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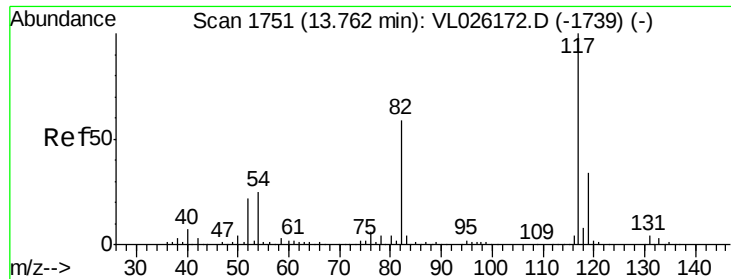
MMdadoda
10/12/2015 1:24:42 PM



#53
Toluene
Concen: 4.94 ppbv
RT: 11.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.5	72.7





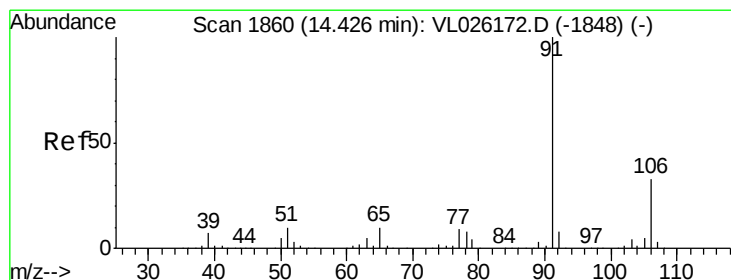
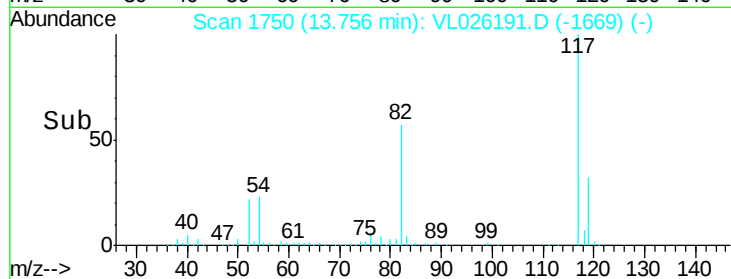
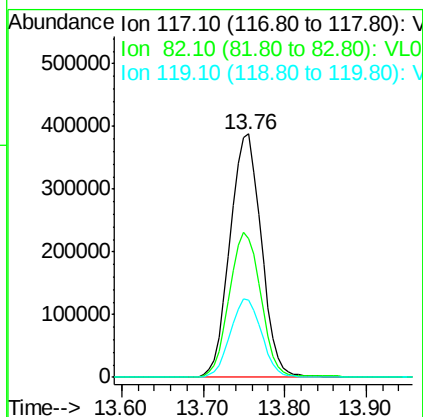
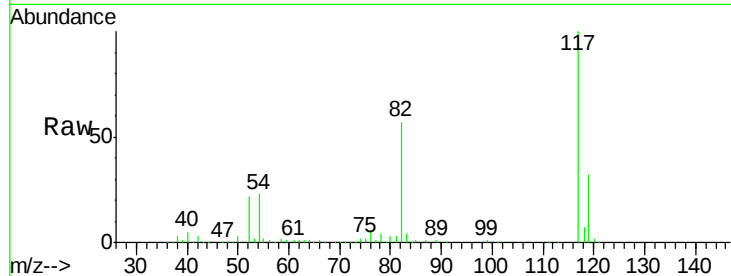
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Instrument :
MSVOA_L
ClientSampled :
SS-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.7	71.5
119	32.2	43.7	65.5#

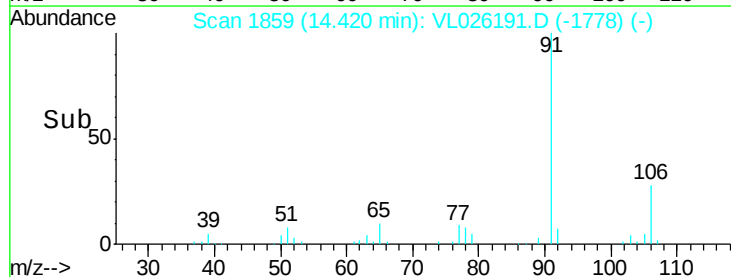
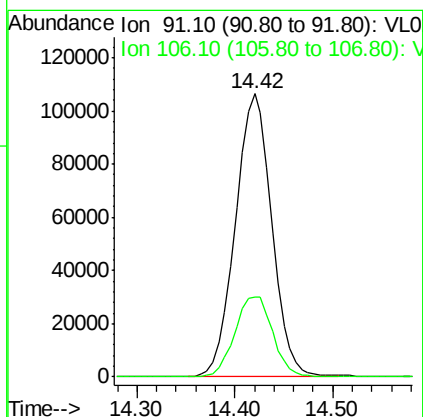
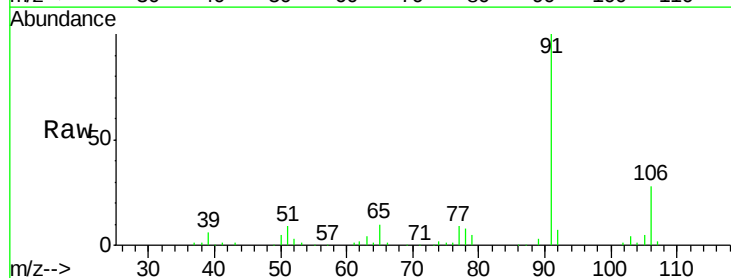
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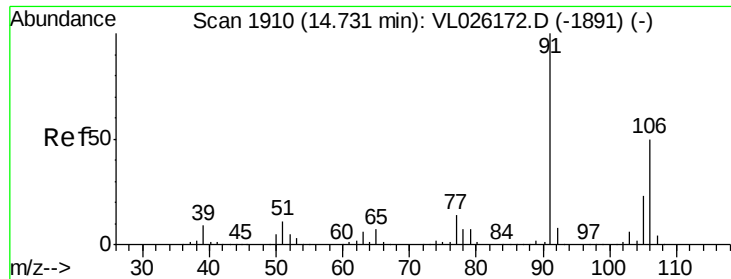
MMdadoda
10/12/2015 1:24:42 PM



#58
Ethyl Benzene
Concen: 1.83 ppbv
RT: 14.42 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.1	26.1	39.1





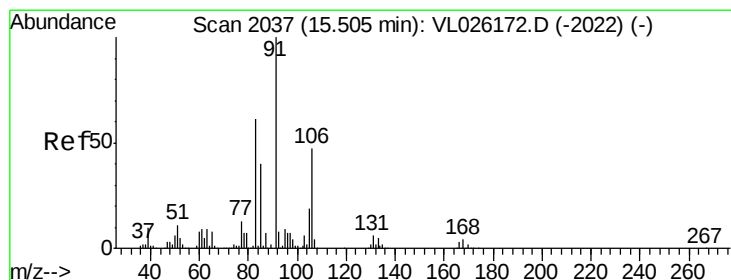
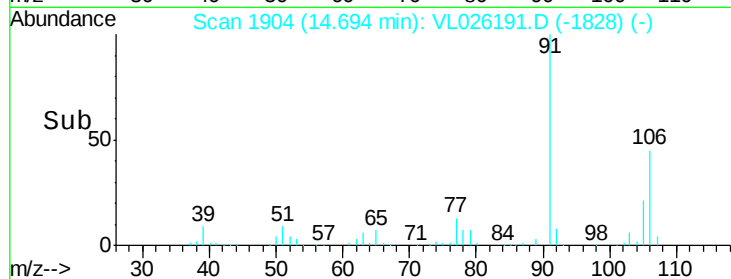
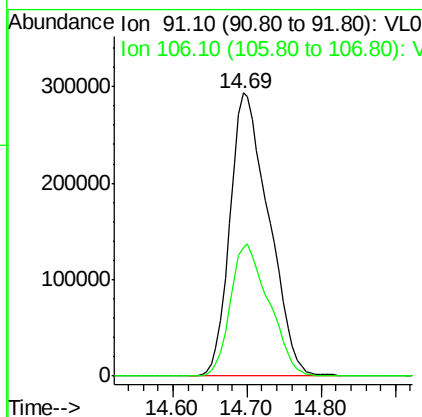
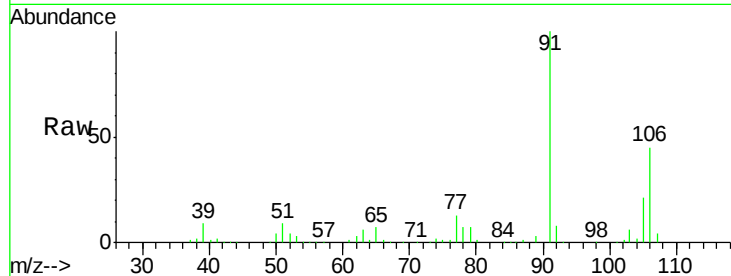
#59
m/p-Xylene
Concen: 8.88 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.04 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Instrument :
MSVOA_L
ClientSampled :
SS-4

Tot Ion: 91 Resp: 1071743
Ion Ratio Lower Upper
91 100
106 46.5 40.2 60.4

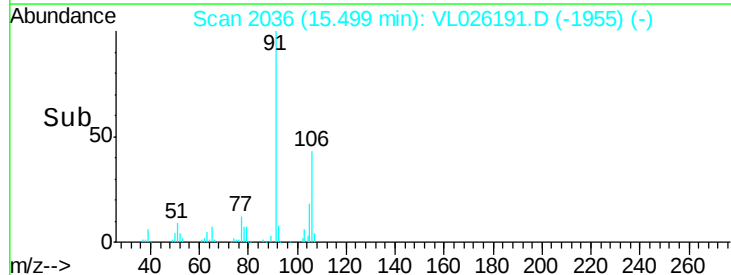
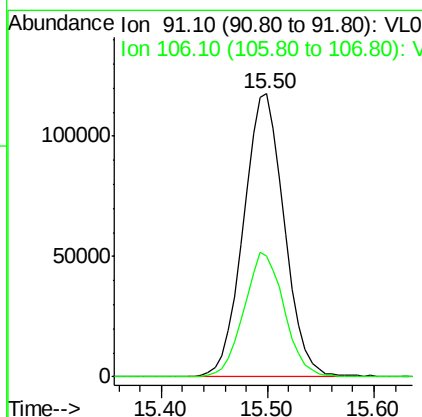
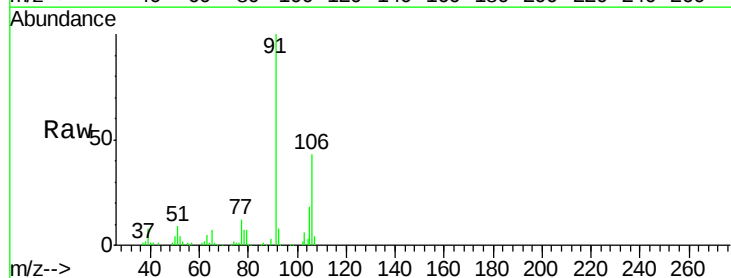
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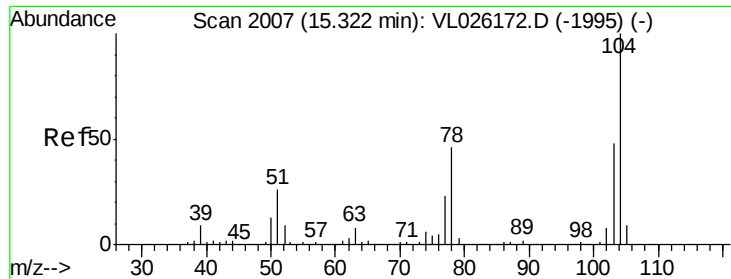
MMdadoda
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#60
o-Xylene
Concen: 2.50 ppbv
RT: 15.50 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Tgt Ion: 91 Resp: 315851
Ion Ratio Lower Upper
91 100
106 43.3 23.4 70.3





#61

Stvrene

Concen: 4.56 ppbv

RT: 15.32 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

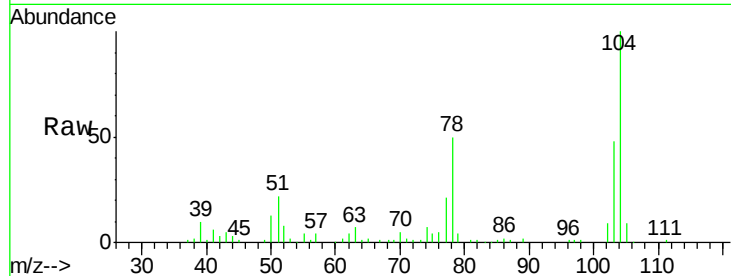
ClientSampled :

SS-4

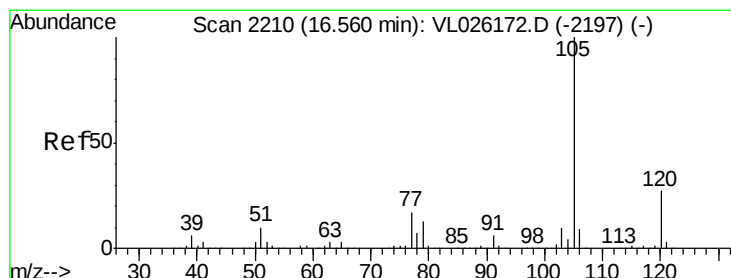
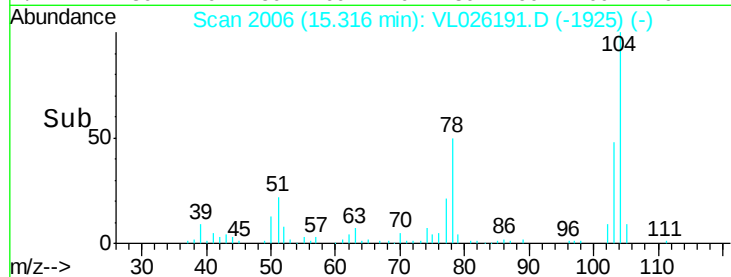
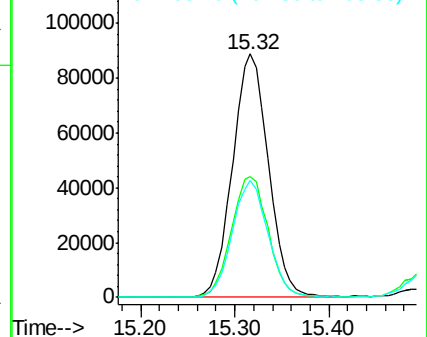
Tot Ion:	104	Resp:	235656
Ion Ratio		Lower	Upper
104	100		
78	51.1	36.1	54.1
103	48.0	37.5	56.3

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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.14 ppbv

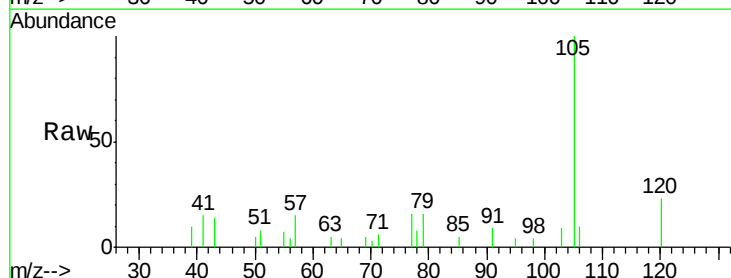
RT: 16.55 min Scan# 2209

Delta R.T. -0.01 min

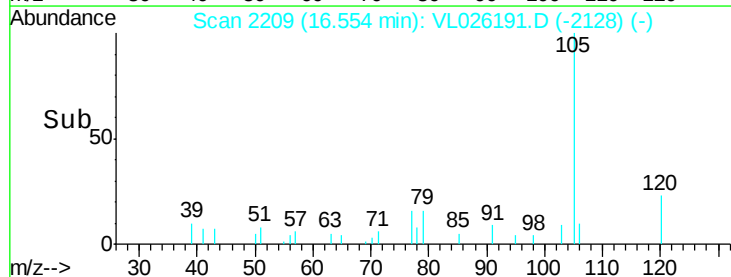
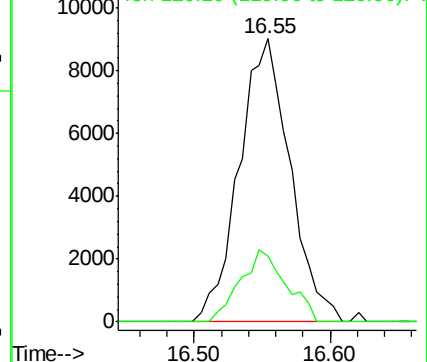
Lab File: VL026191.D

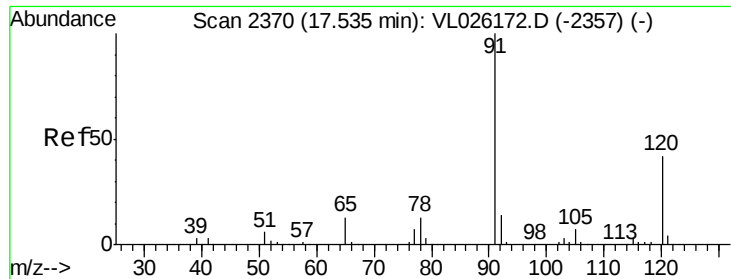
Acq: 10 Oct 2015 00:55

Tgt Ion:	105	Resp:	23575
Ion Ratio		Lower	Upper
105	100		
120	22.9	21.8	32.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





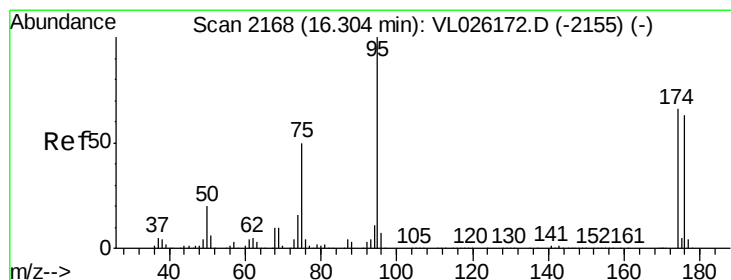
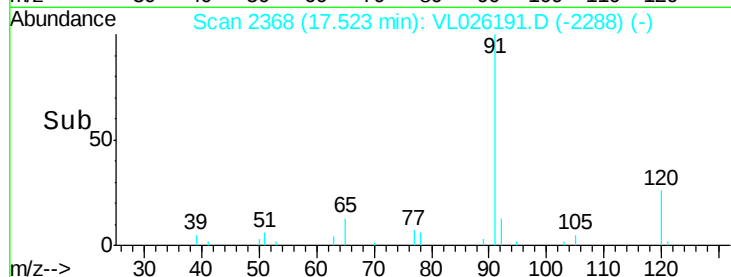
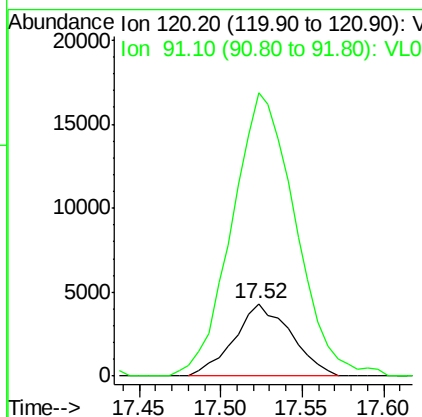
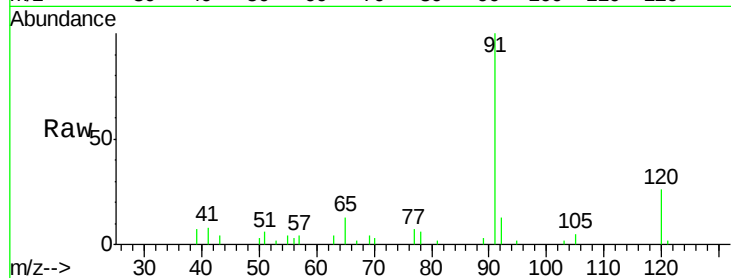
#64
n-propylbenzene
Concen: 0.23 ppbv
RT: 17.52 min Scan# 2368
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Instrument :
MSVOA_L
ClientSampled :
SS-4

Tot Ion:120 Resp: 10456
Ion Ratio Lower Upper
120 100
91 437.0 353.4 530.2

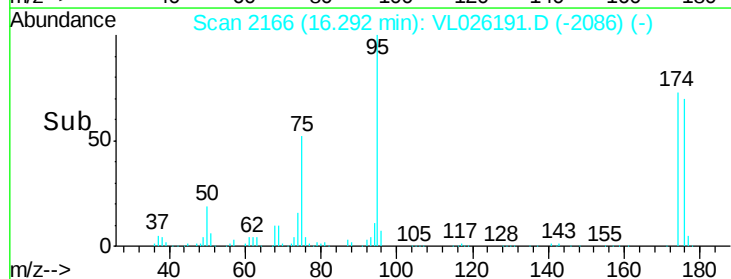
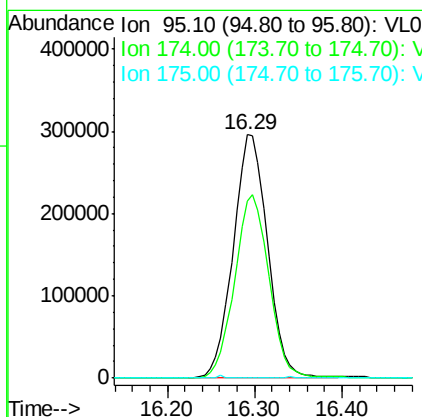
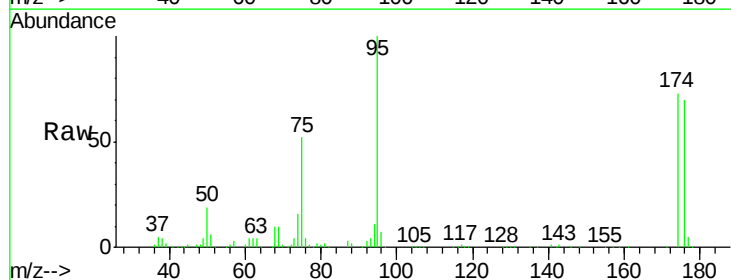
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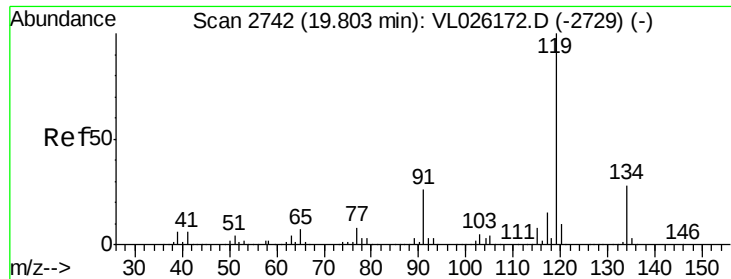
MMdadoda
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.18 ppbv
RT: 16.29 min Scan# 2166
Delta R.T. -0.01 min
Lab File: VL026191.D
Acq: 10 Oct 2015 00:55

Tgt Ion: 95 Resp: 808636
Ion Ratio Lower Upper
95 100
174 75.6 52.2 78.4
175 0.0 3.9 5.9#





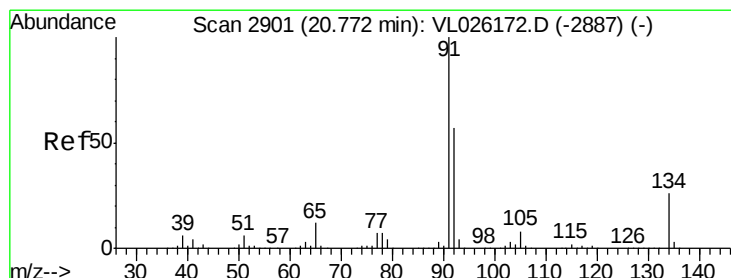
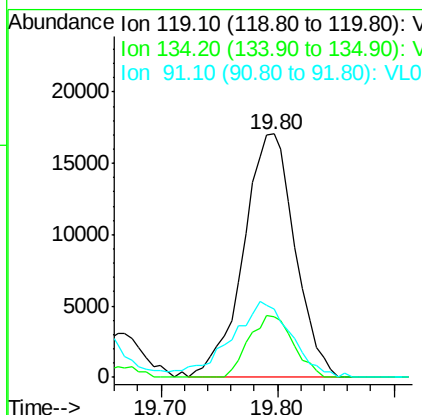
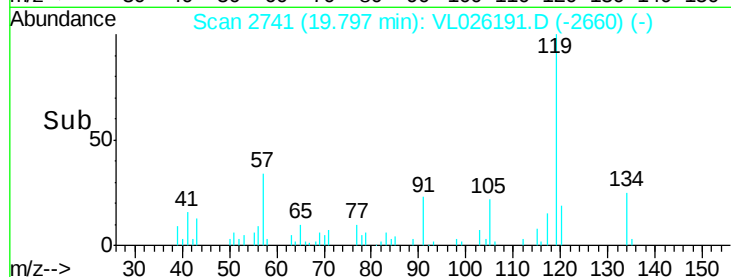
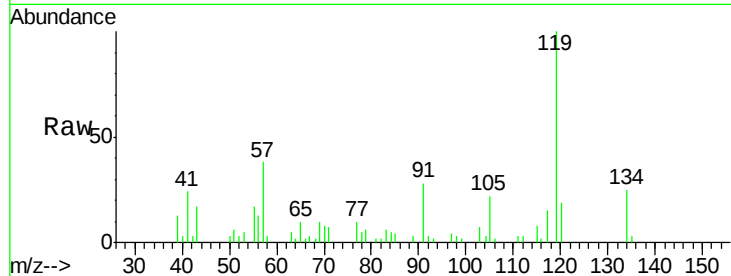
#69
 p-Isopropyltoluene
 Concen: 0.32 ppbv
 RT: 19.80 min Scan# 2741
 Delta R.T. -0.01 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Tot Ion	Ratio	Resp	Lower	Upper
119	100	52385		
134	22.0		21.4	32.0
91	35.9		19.9	29.9#

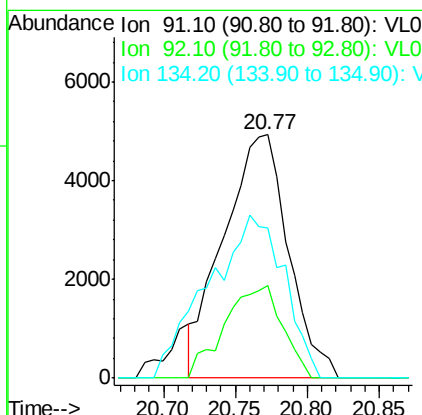
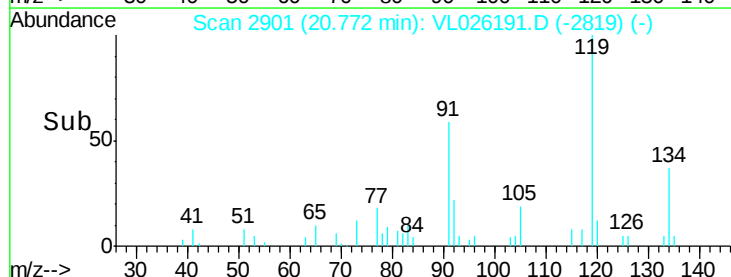
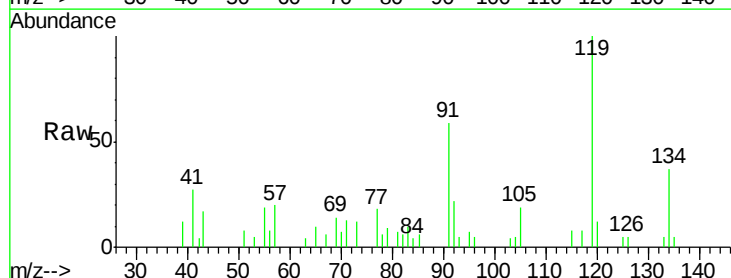
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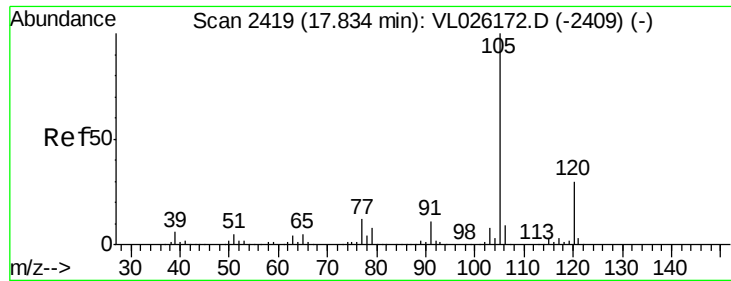
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#70
 n-Butylbenzene
 Concen: 0.10 ppbv
 RT: 20.77 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	15386		
92	33.9		45.0	67.6#
134	78.7		19.8	29.8#





#72

4-Ethyltoluene

Concen: 0.44 ppbv

RT: 17.83 min Scan# 2418

Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Instrument :

MSVOA_L

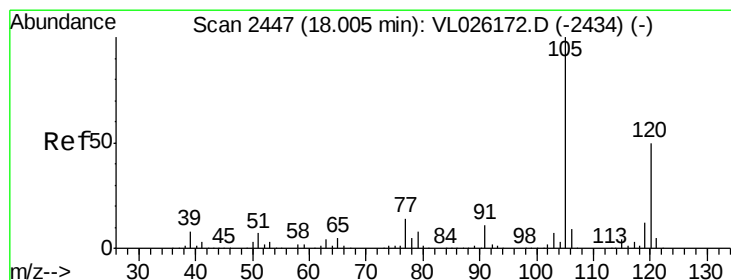
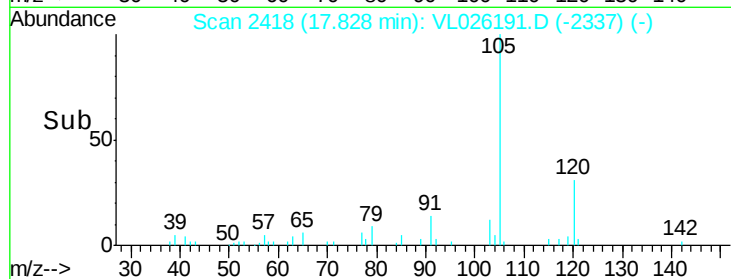
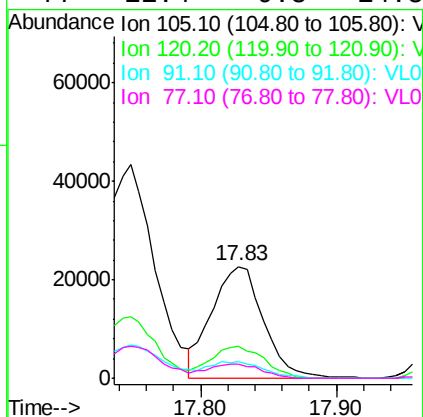
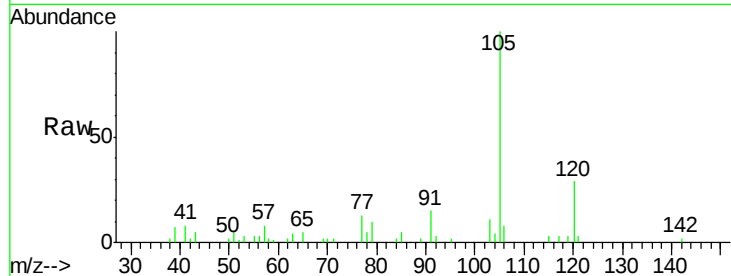
ClientSampleId :

SS-4

Tot Ion:	105	Resp:	59900
Ion Ratio	Lower	Upper	
105	100		
120	30.4	24.7	37.1
91	14.1	9.2	13.8
77	11.4	9.8	14.8

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#73

1,3,5-Trimethylbenzene

Concen: 0.44 ppbv

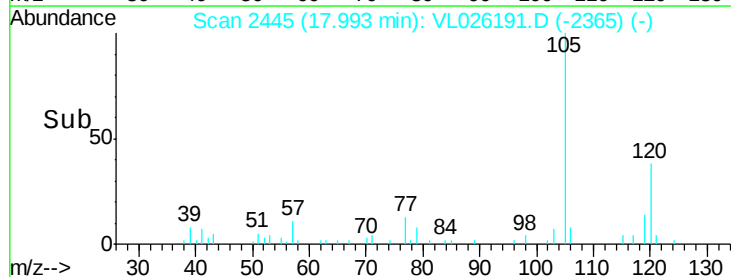
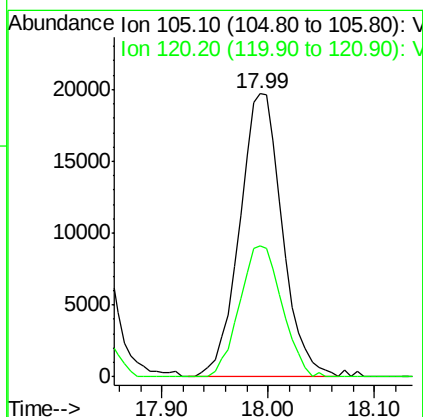
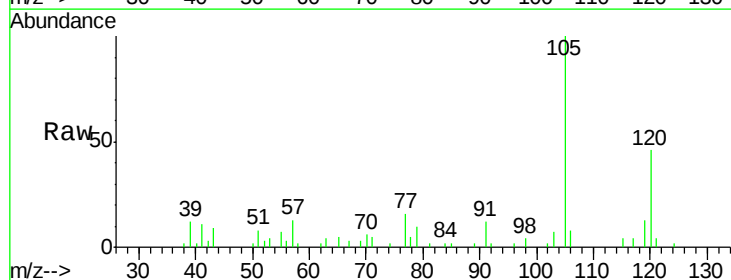
RT: 17.99 min Scan# 2445

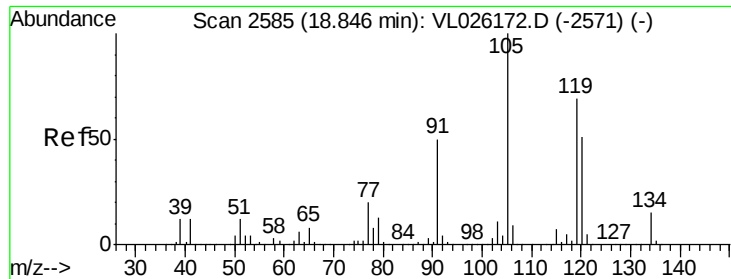
Delta R.T. -0.01 min

Lab File: VL026191.D

Acq: 10 Oct 2015 00:55

Tgt Ion:	105	Resp:	55248
Ion Ratio	Lower	Upper	
105	100		
120	46.1	40.1	60.1





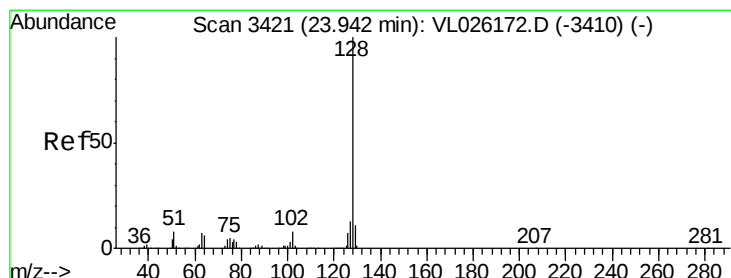
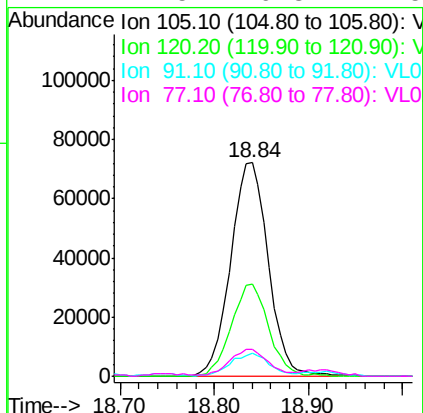
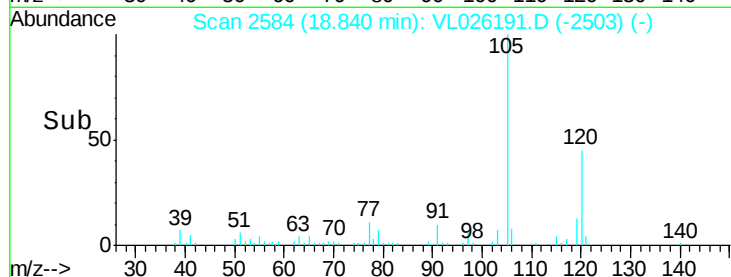
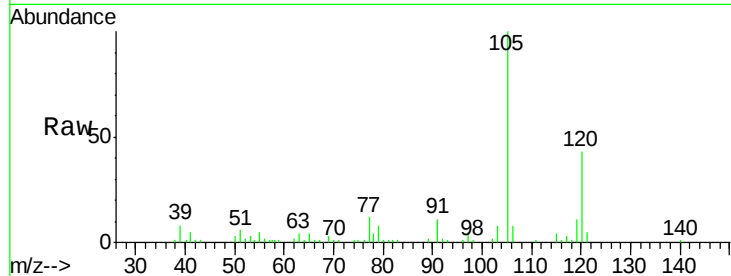
#74
 1,2,4-Trimethylbenzene
 Concen: 1.51 ppbv
 RT: 18.84 min Scan# 2584
 Delta R.T. -0.01 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4

Tot Ion	Ratio	Resp	Lower	Upper
105	100	201145		
120	43.3	41.1	61.7	
91	10.5	39.8	59.6	
77	11.5	16.3	24.5	

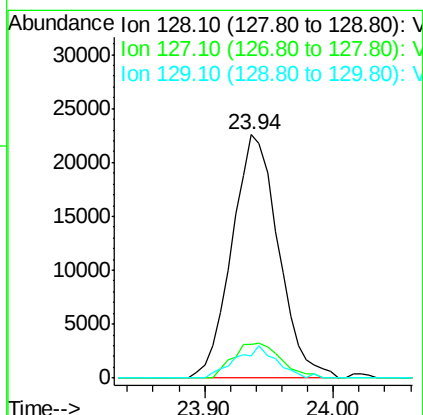
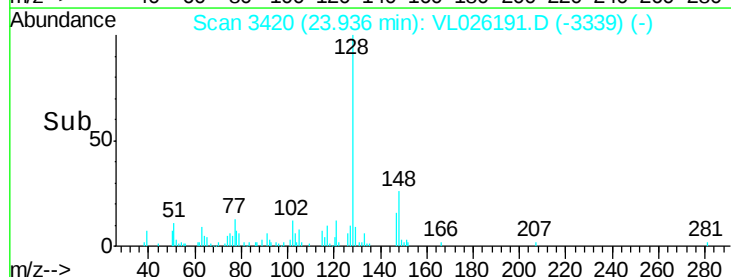
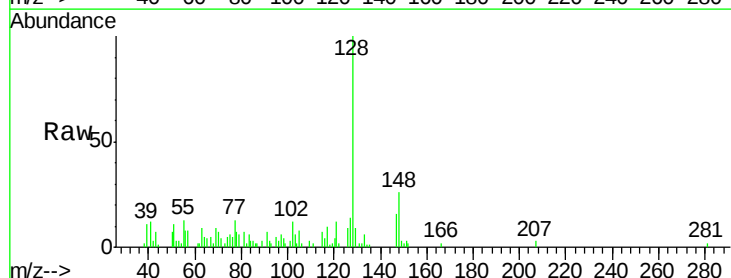
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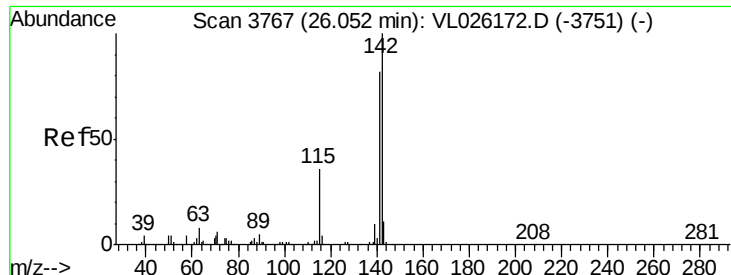
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#79
 Naphthalene
 Concen: 0.68 ppbv
 RT: 23.94 min Scan# 3420
 Delta R.T. -0.01 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	56554		
127	14.0	10.2	15.2	
129	9.0	8.7	13.1	





#80
 Naphthalene,2-methyl-
 Concen: 0.14 ppbv
 RT: 26.06 min Scan# 3768
 Delta R.T. 0.01 min
 Lab File: VL026191.D
 Acq: 10 Oct 2015 00:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Tot Ion:	142	Resp:	2534
Ion Ratio	Lower	Upper	
142	100		
141	81.8	66.6	99.8
115	43.9	28.4	42.6

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