

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026269.D
 Acq On : 29 Oct 2015 16:54
 Operator : SY/AP
 Sample : VL1029ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:40 PM

Quant Time: Oct 30 01:19:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	626722	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1838922	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	2109750m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.34	95	1607042	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	1205640	8.98	ppbv	100
3) Chlorodifluoromethane	3.60	51	667255	8.45	ppbv	100
4) Chloromethane	3.78	50	420463	9.33	ppbv	99
5) Vinyl Chloride	3.92	62	428855	8.64	ppbv	98
6) Bromomethane	4.17	94	307286	9.38	ppbv	99
7) Chloroethane	4.27	64	185075	9.41	ppbv	98
8) Dichlorotetrafluoroethane	3.83	85	997078	8.76	ppbv	100
9) Propene	3.62	41	359831	9.47	ppbv	98
10) Heptane	9.40	43	1174135	9.17	ppbv	99
11) Trichlorofluoromethane	4.73	101	1127587	8.88	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	755165	8.91	ppbv	100
13) Ethanol	4.36	45	55028	9.69	ppbv	97
14) Bromoethene	4.48	108	337775	9.47	ppbv	100
15) Acetone	4.63	43	706395	8.51	ppbv	100
16) 1,3-Butadiene	4.00	39	385706	9.43	ppbv	100
17) tert-Butyl alcohol	5.16	59	633152	10.63	ppbv	100
18) 1,1-Dichloroethene	5.12	96	363026	9.44	ppbv	96
19) Isopropyl Alcohol	4.78	45	391579	11.01	ppbv	94
20) Methylene Chloride	5.18	84	325890	9.02	ppbv	97
21) Allyl Chloride	5.26	41	564716	9.65	ppbv	98
22) trans-1,2-Dichloroethene	5.80	96	478431	9.32	ppbv	99
23) Vinyl Acetate	6.02	43	1589212	9.94	ppbv	99
24) 1,1-Dichloroethane	5.95	63	992755	9.03	ppbv	99
25) Ethyl Acetate	6.71	43	1597009	9.24	ppbv	100
26) Hexane	6.70	57	782989	9.25	ppbv	100
27) Carbon Disulfide	5.42	76	1004773	9.92	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	1382203	9.32	ppbv	100
29) Chloroform	6.79	83	1121096	8.94	ppbv	99
30) Cyclohexane	8.33	84	767874	9.23	ppbv	99
31) cis-1,2-Dichloroethene	6.56	61	735443	9.44	ppbv	99
32) 1,1,1-Trichloroethane	7.64	97	1143887	8.25	ppbv	100
34) 2-Butanone	6.24	43	1021613	9.20	ppbv	100
35) Carbon Tetrachloride	8.21	117	1171759	8.45	ppbv	99
36) Benzene	8.07	78	1756459	9.02	ppbv	99
37) 1,2-Dichloroethane	7.42	62	908007	9.05	ppbv	100
38) Trichloroethene	9.11	130	687607	7.35	ppbv	98
39) 1,2-Dichloropropane	8.87	63	632554	8.93	ppbv	99
40) 1,4-Dioxane	9.16	88	157383	12.98	ppbv	79
41) Tetrahydrofuran	7.16	42	621284	9.68	ppbv	99
42) Bromodichloromethane	9.07	83	1239300	9.22	ppbv	100
43) Methyl Methacrylate	9.31	69	663050	9.58	ppbv	100

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026269.D
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 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:40 PM

Quant Time: Oct 30 01:19:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	2750954	8.66	ppbv	100
45) t-1,3-Dichloropropene	10.70	75	994353	10.20	ppbv	99
46) cis-1,3-Dichloropropene	10.07	75	1158916	9.77	ppbv	99
47) 1,1,2-Trichloroethane	10.93	97	751093	8.77	ppbv	100
48) Dibromochloromethane	11.85	129	1168291	9.54	ppbv	100
49) Bromoform	14.87	173	939739	9.87	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	1396692	9.40	ppbv	100
51) 2-Hexanone	11.66	43	1347729	9.96	ppbv #	100
52) Tetrachloroethene	12.84	164	732069	7.45	ppbv	99
53) Toluene	11.29	91	2275382	9.00	ppbv	100
54) 1,2-Dibromoethane	12.19	107	1149236	8.86	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	839678	9.08	ppbv	99
57) Chlorobenzene	13.87	112	1803936	8.62	ppbv	98
58) Ethyl Benzene	14.46	91	3158449	9.11	ppbv	100
59) m/p-Xylene	14.77	91	4797952	17.47	ppbv #	100
60) o-Xylene	15.54	91	2437631	8.49	ppbv	100
61) Styrene	15.37	104	1219345	9.99	ppbv	99
62) Isopropylbenzene	16.60	105	3415379	8.76	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	1640389	7.34	ppbv	100
64) n-propylbenzene	17.58	120	945328	8.93	ppbv	93
65) tert-Butylbenzene	18.87	119	2941622	8.36	ppbv	100
66) Benzyl Chloride	19.16	91	1251731	11.42	ppbv	100
67) sec-Butylbenzene	19.46	105	4275489	8.57	ppbv	100
69) p-Isopropyltoluene	19.85	119	3531940	8.69	ppbv	100
70) n-Butylbenzene	20.81	91	3321939	8.60	ppbv	100
71) 2-Chlorotoluene	17.48	91	2556638	8.89	ppbv	99
72) 4-Ethyltoluene	17.88	105	2885259	8.95	ppbv	100
73) 1,3,5-Trimethylbenzene	18.04	105	2648069	8.70	ppbv	97
74) 1,2,4-Trimethylbenzene	18.89	105	2646697	8.31	ppbv	99
75) 1,3-Dichlorobenzene	19.18	146	1763203	8.55	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	1837587	8.76	ppbv	100
77) 1,2-Dichlorobenzene	20.08	146	1763633	8.57	ppbv	100
78) Hexachloro-1,3-Butadiene	24.72	225	688595	8.26	ppbv	99
79) Naphthalene	23.97	128	2190512	9.62	ppbv	99
80) Naphthalene, 2-methyl-	26.09	142	620507	14.77	ppbv	97
81) 1,2,4-Trichlorobenzene	23.78	180	1028877	9.05	ppbv	99

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

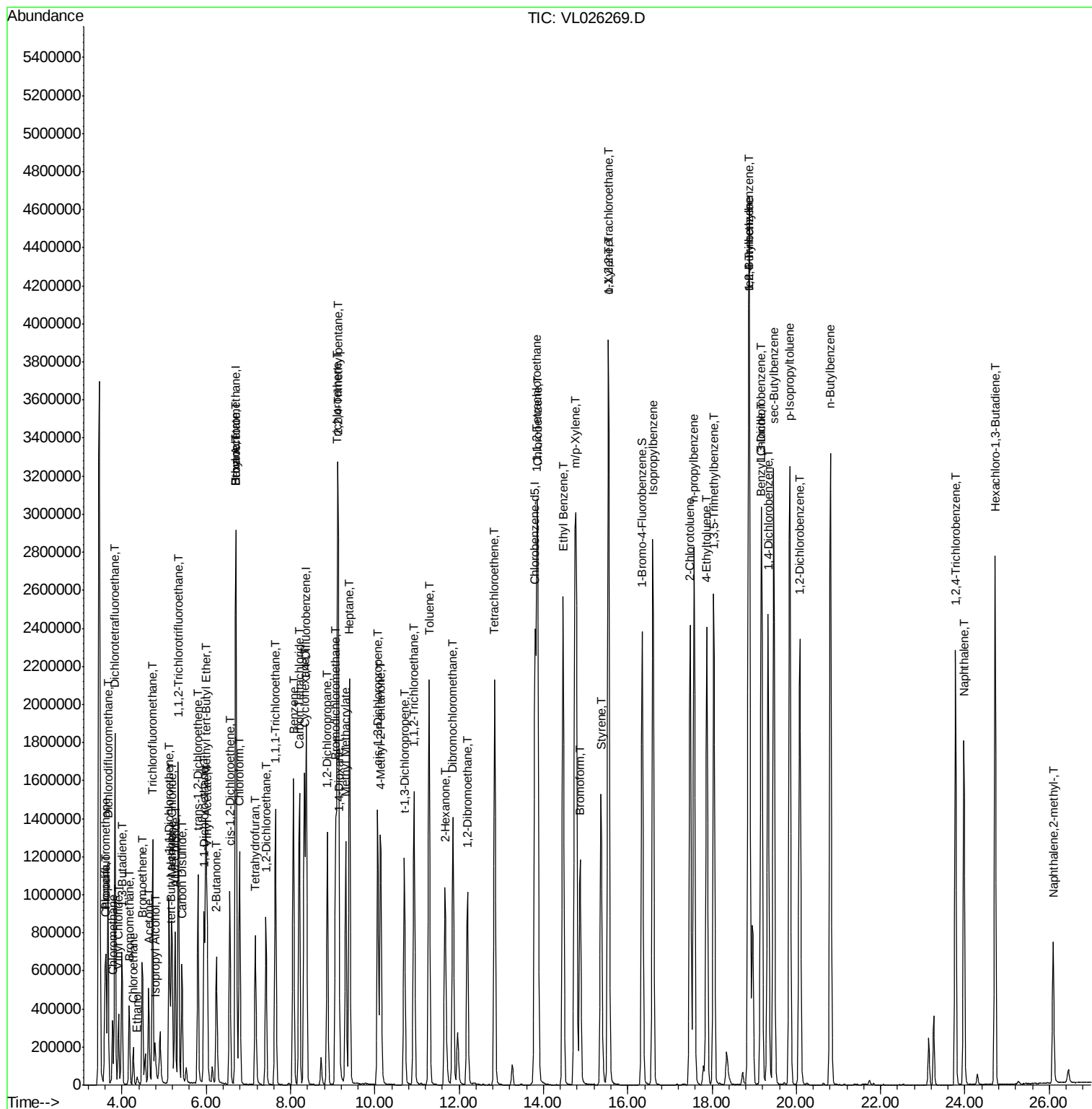
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
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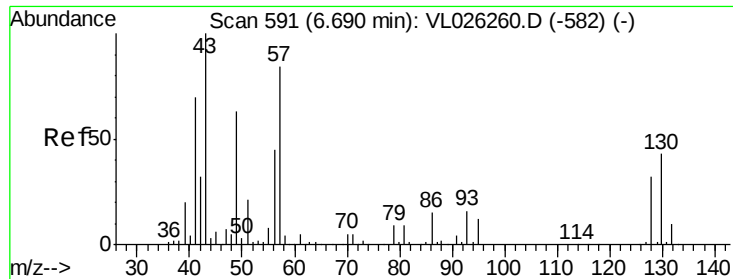
Instrument :
MSVOA_L
ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 49 Resp: 626722

Ion Ratio Lower Upper

49 100

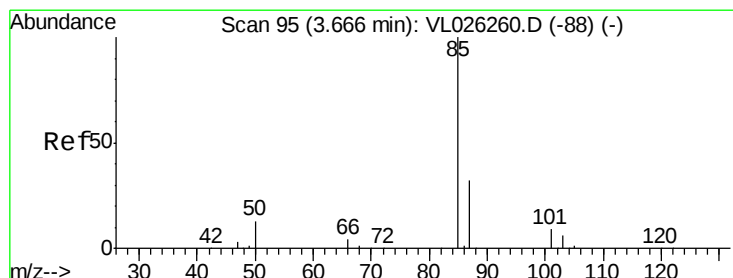
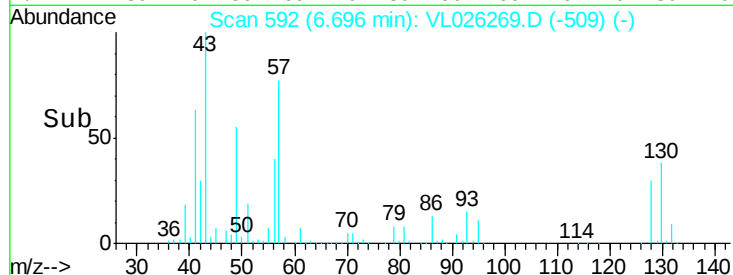
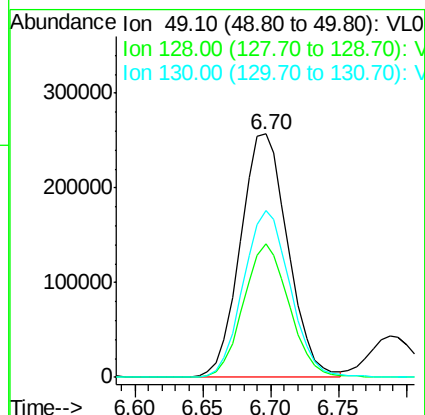
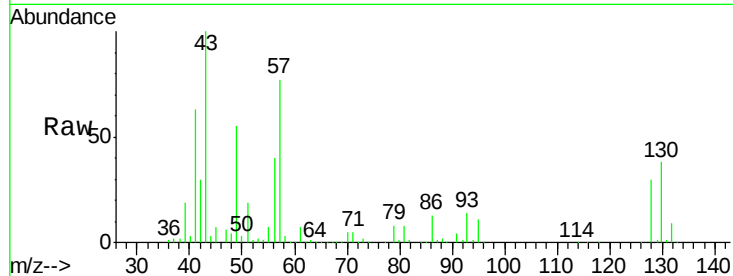
128 53.1 26.7 80.1

130 68.2 34.4 103.2

Manual Integrations
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10/30/2015 12:06:40 PM



#2

Dichlorodifluoromethane

Concen: 8.98 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026269.D

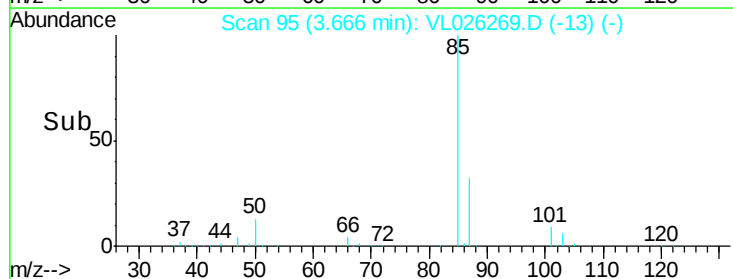
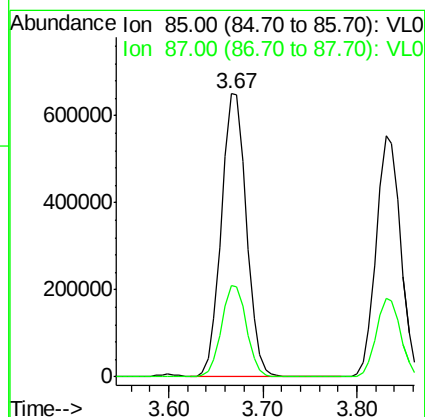
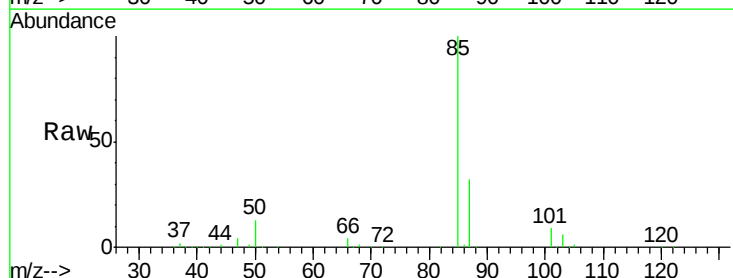
Acq: 29 Oct 2015 16:54

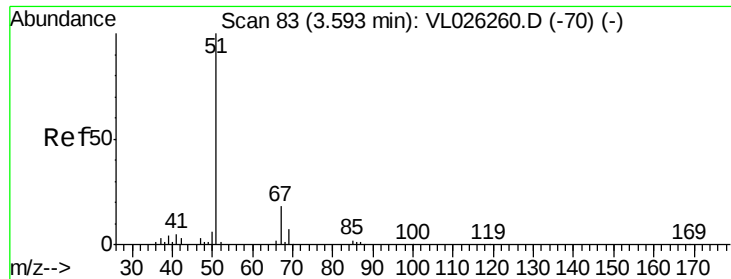
Tgt Ion: 85 Resp: 1205640

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9





#3

Chlorodifluoromethane

Concen: 8.45 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 51 Resp: 667255

Ion Ratio Lower Upper

51 100

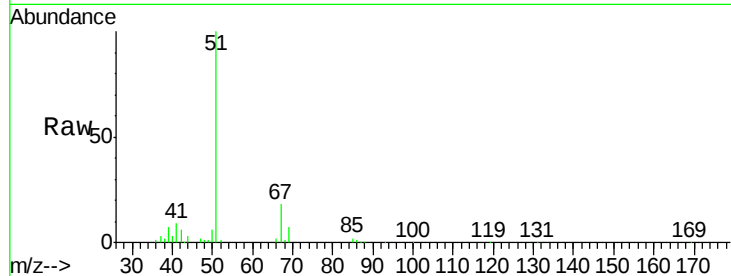
67 18.1 14.5 21.7

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.60

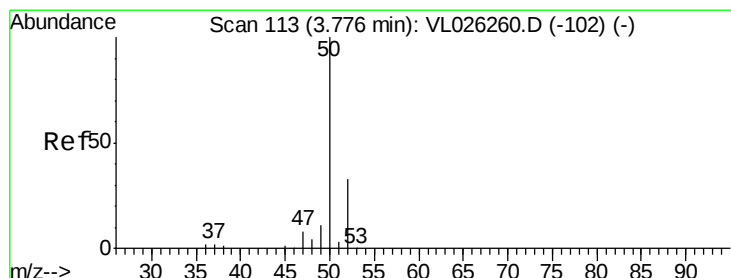
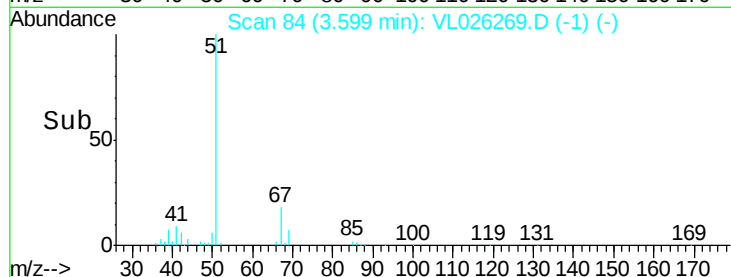
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 9.33 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026269.D

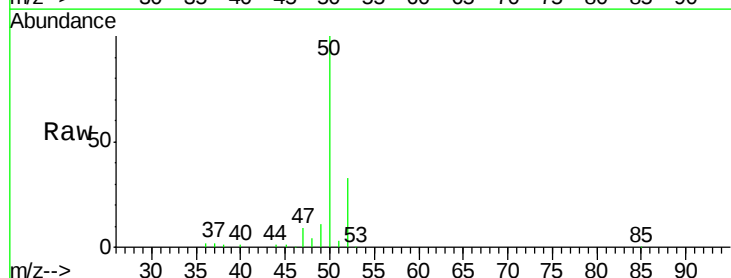
Acq: 29 Oct 2015 16:54

Tgt Ion: 50 Resp: 420463

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.78

200000

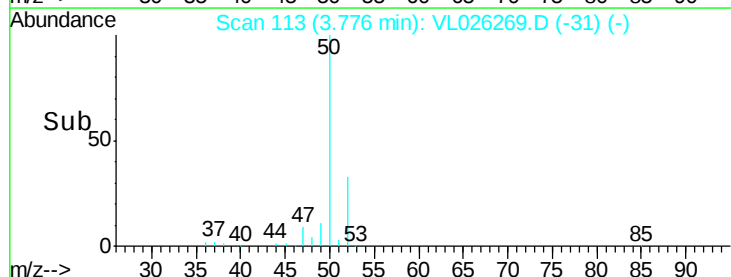
150000

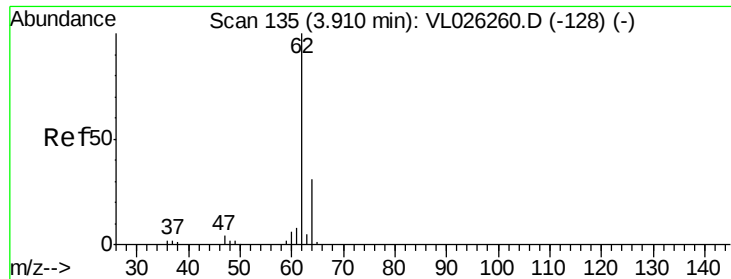
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 8.64 ppbv

RT: 3.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 62 Resp: 428855

Ion Ratio Lower Upper

62 100

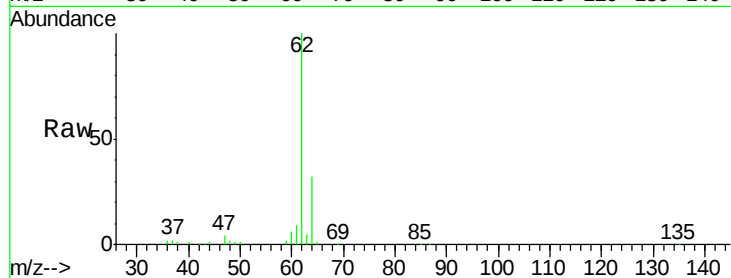
64 32.0 24.9 37.3

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.92

200000

150000

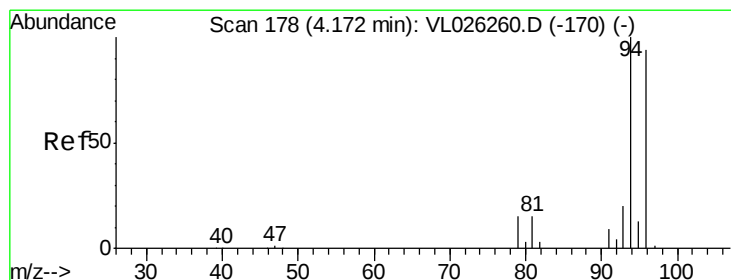
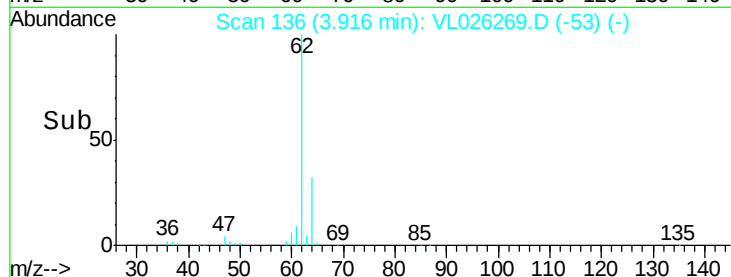
100000

50000

0

3.85 3.90 3.95 4.00

Time-->



#6

Bromomethane

Concen: 9.38 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026269.D

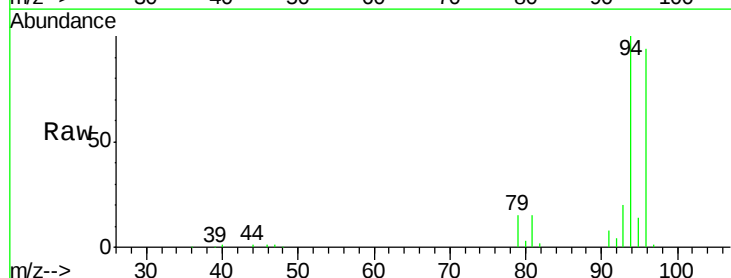
Acq: 29 Oct 2015 16:54

Tgt Ion: 94 Resp: 307286

Ion Ratio Lower Upper

94 100

96 93.7 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

4.17

150000

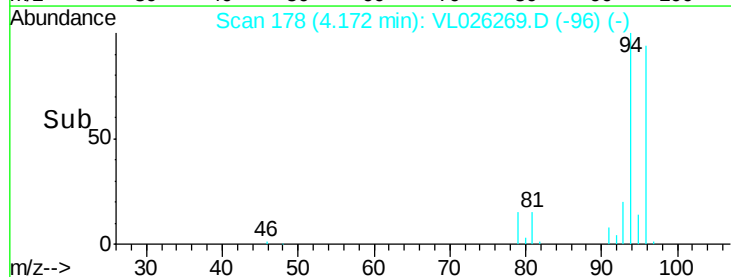
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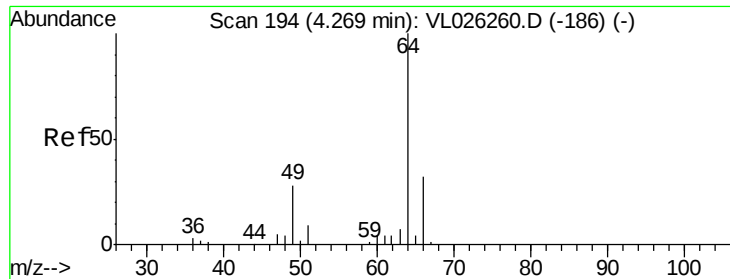
50000

0

4.10 4.20 4.30

Time-->





#7

Chloroethane

Concen: 9.41 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 64 Resp: 185075

Ion Ratio Lower Upper

64 100

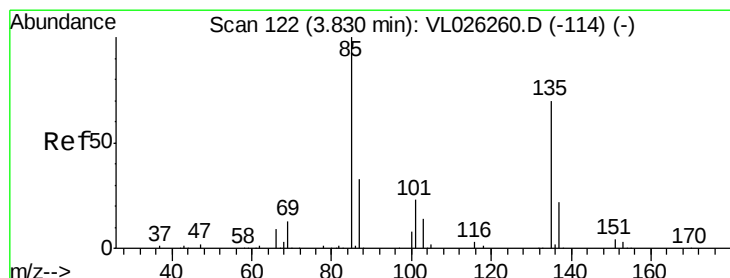
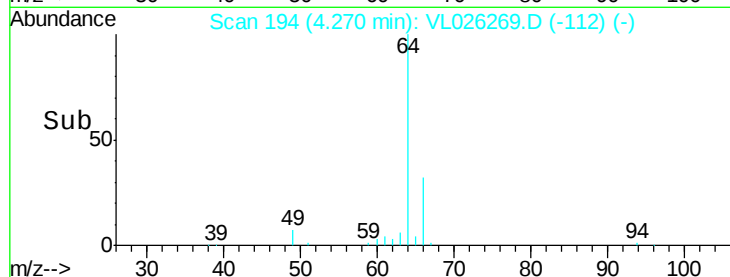
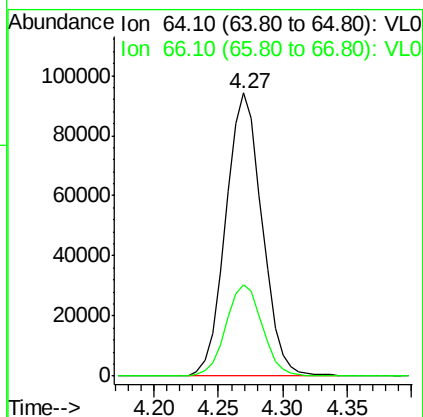
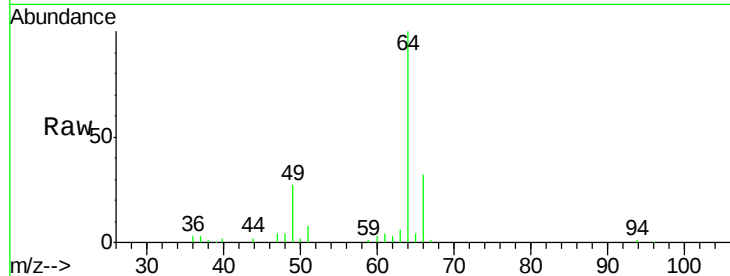
66 32.5 25.2 37.8

Manual Integrations

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10/30/2015 12:06:40 PM



#8

Dichlorotetrafluoroethane

Concen: 8.76 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026269.D

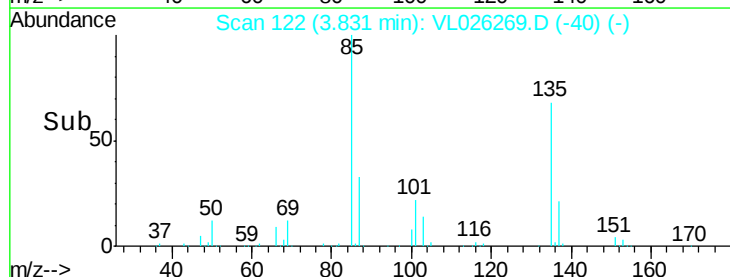
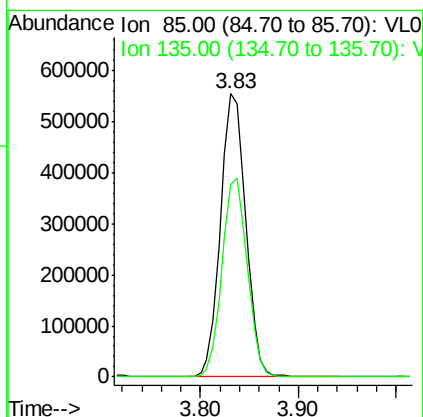
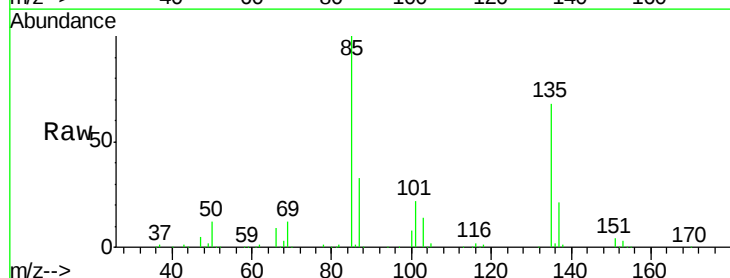
Acq: 29 Oct 2015 16:54

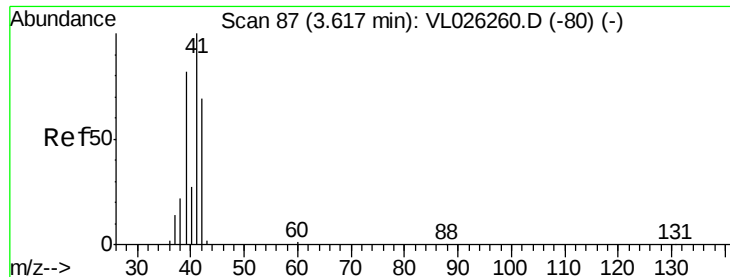
Tgt Ion: 85 Resp: 997078

Ion Ratio Lower Upper

85 100

135 70.5 56.6 84.8





#9

Propene

Concen: 9.47 ppbv

RT: 3.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 41 Resp: 359831

Ion Ratio Lower Upper

41 100

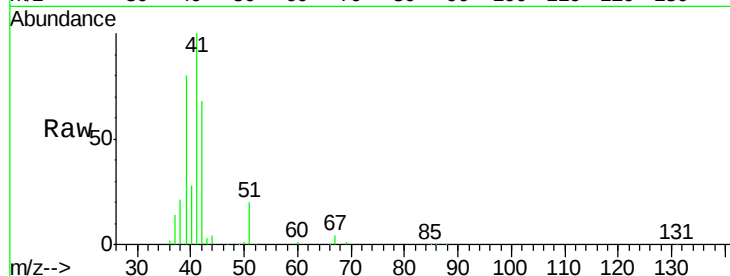
42 66.6 54.5 81.7

Manual Integrations

APPROVED

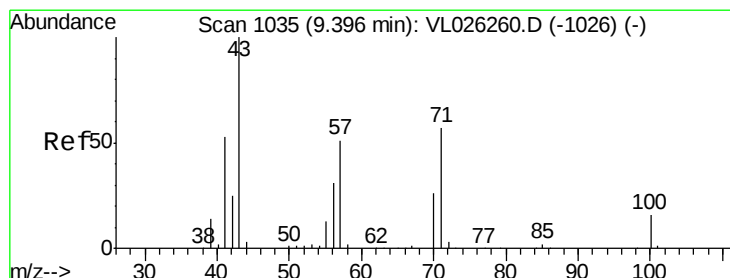
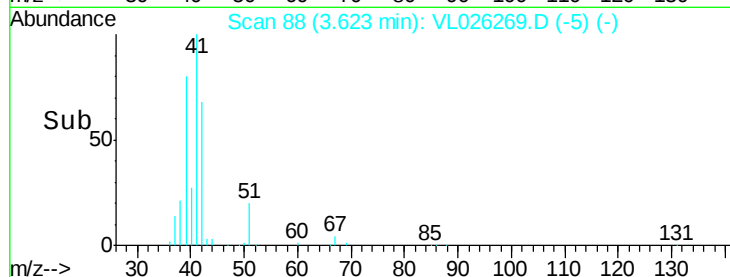
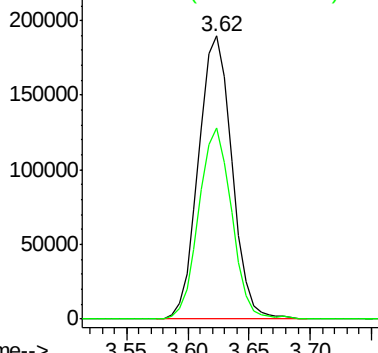
Mmdadoda

10/30/2015 12:06:40 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.17 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VL026269.D

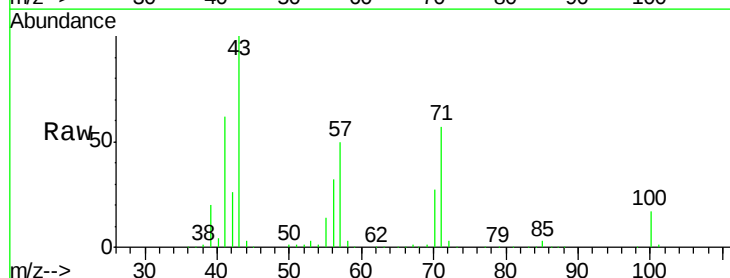
Acq: 29 Oct 2015 16:54

Tgt Ion: 43 Resp: 1174135

Ion Ratio Lower Upper

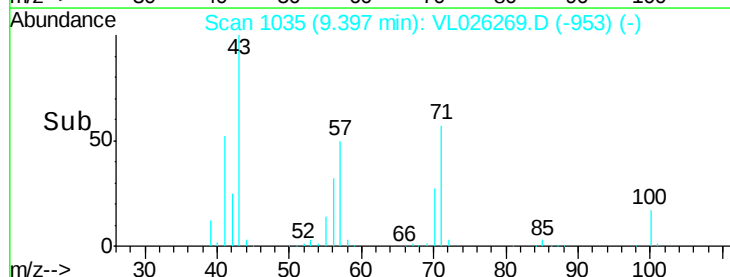
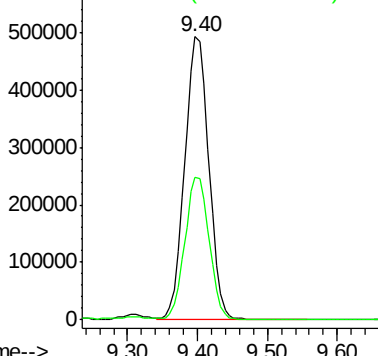
43 100

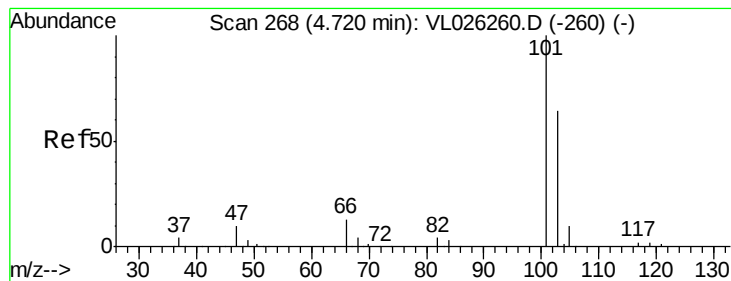
57 52.3 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.88 ppbv

RT: 4.73 min Scan# 269

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tot Ion:101 Resp: 1127587

Ion Ratio Lower Upper

101 100

103 63.5 51.4 77.0

Instrument :

MSVOA_L

ClientSampleId :

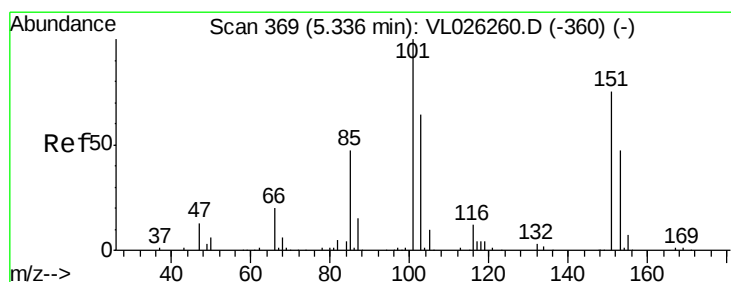
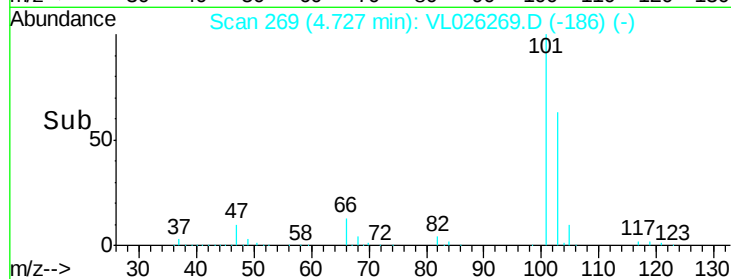
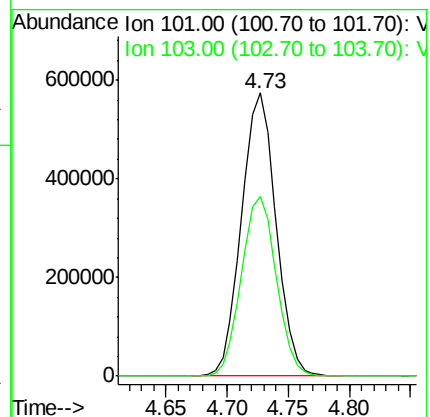
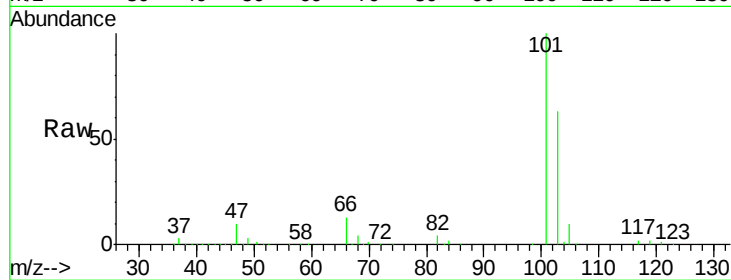
VL1029ABS01

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.91 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL026269.D

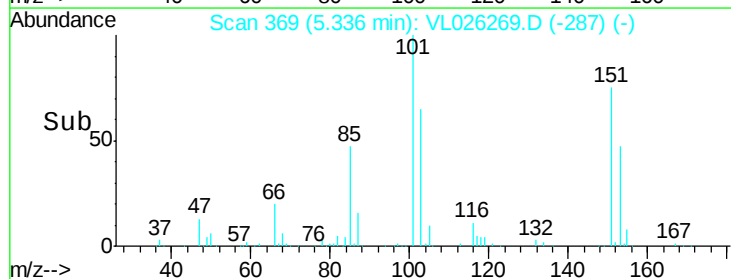
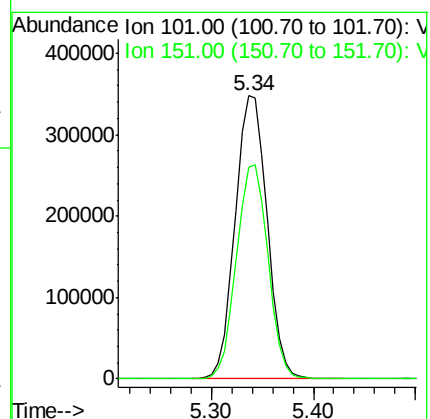
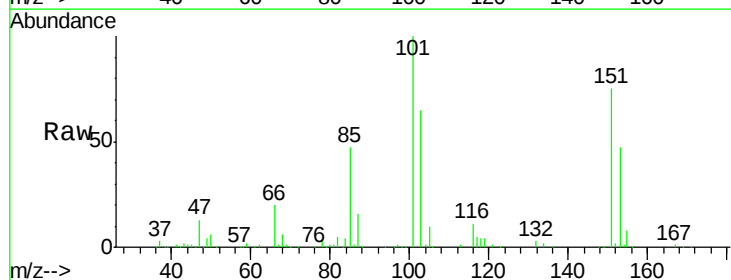
Acq: 29 Oct 2015 16:54

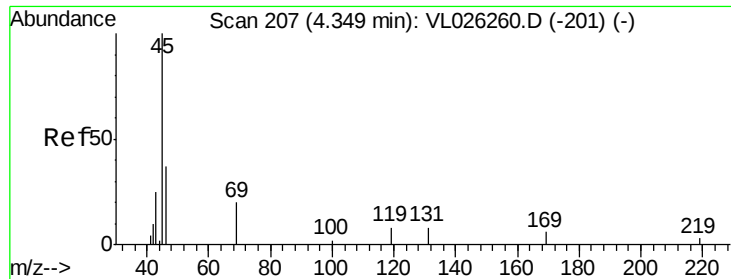
Tgt Ion:101 Resp: 755165

Ion Ratio Lower Upper

101 100

151 75.1 60.3 90.5





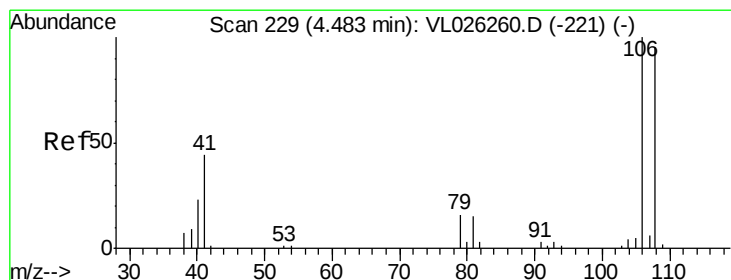
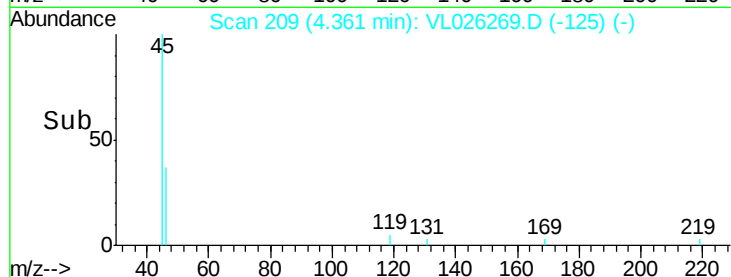
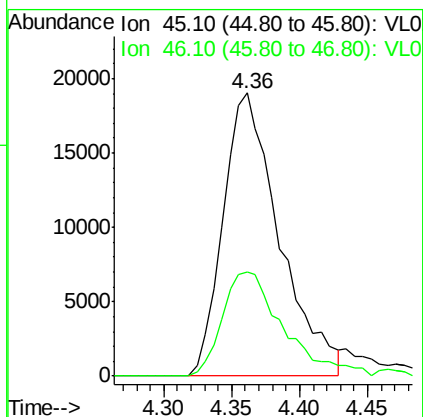
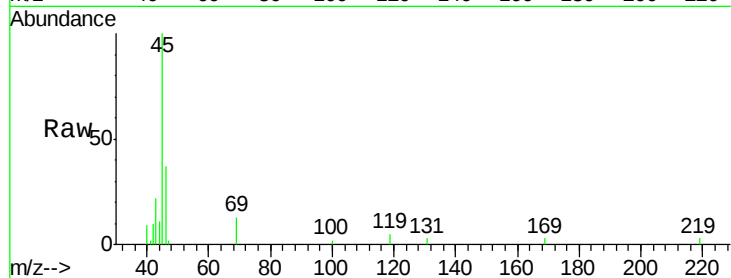
#13
Ethanol
Concen: 9.69 ppbv
RT: 4.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion: 45 Resp: 55028
Ion Ratio Lower Upper
45 100
46 40.7 17.0 68.0

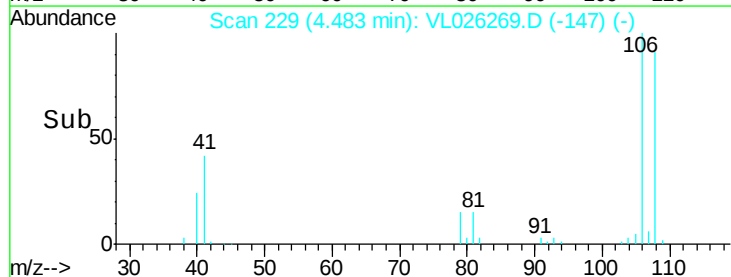
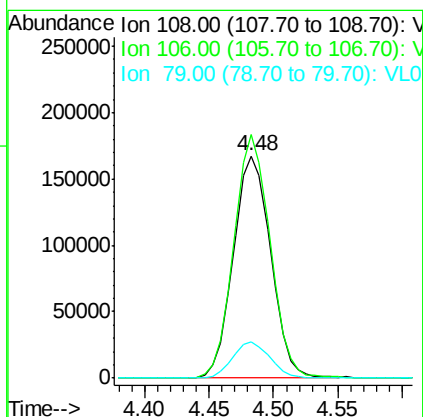
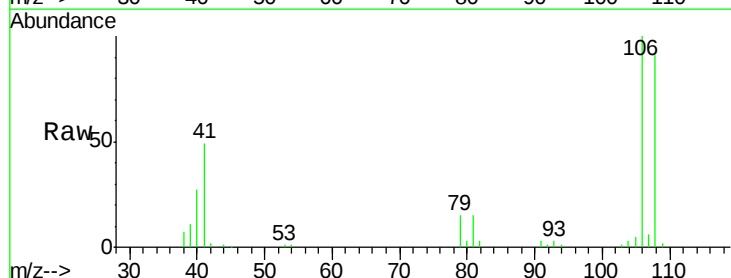
Manual Integrations
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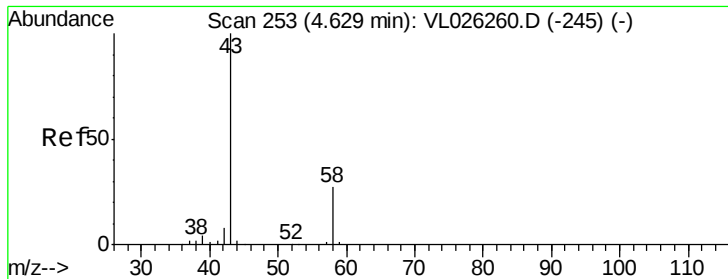
Mmdadoda
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#14
Bromoethene
Concen: 9.47 ppbv
RT: 4.48 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 108 Resp: 337775
Ion Ratio Lower Upper
108 100
106 106.6 85.4 128.0
79 16.3 13.5 20.3





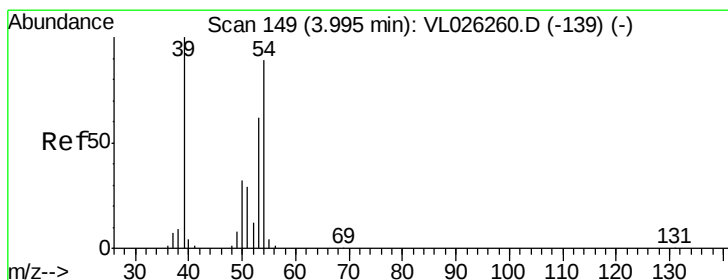
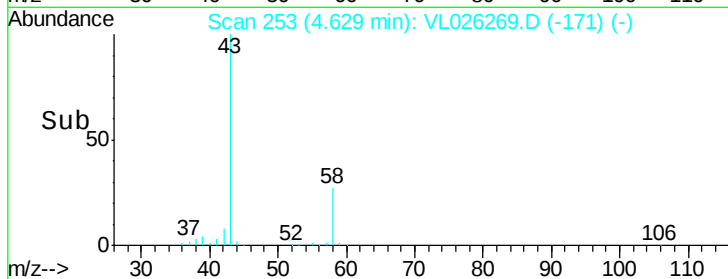
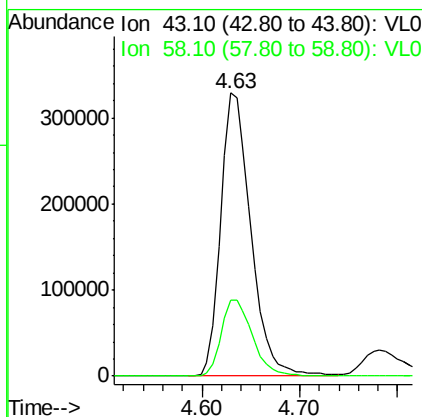
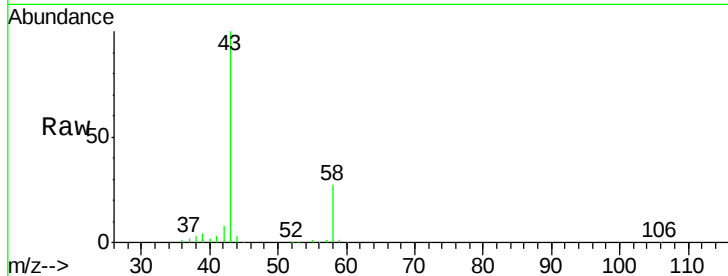
#15
Acetone
Concen: 8.51 ppbv
RT: 4.63 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion: 43 Resp: 706395
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5

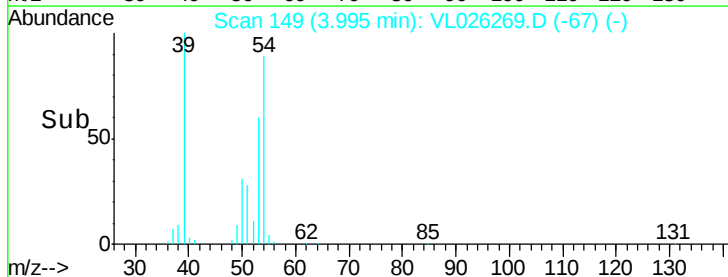
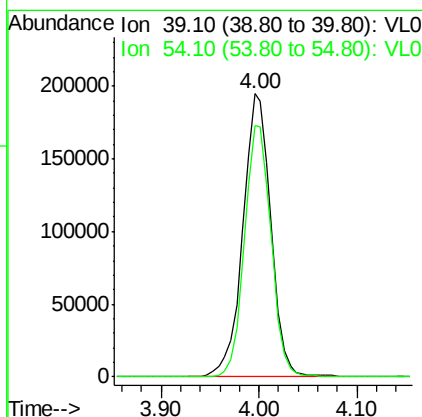
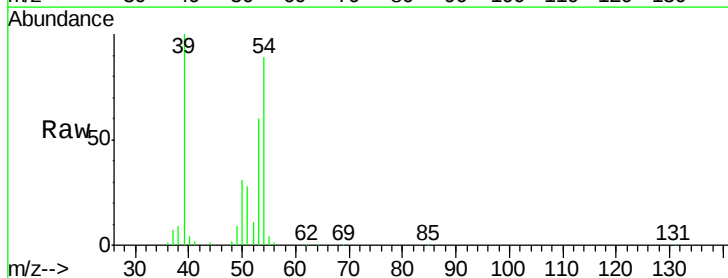
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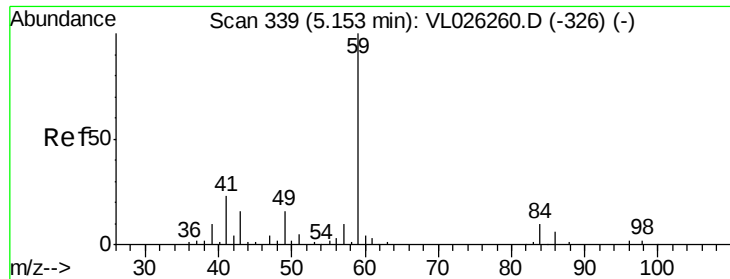
Mmdadoda
10/30/2015 12:06:40 PM



#16
1,3-Butadiene
Concen: 9.43 ppbv
RT: 4.00 min Scan# 149
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 39 Resp: 385706
Ion Ratio Lower Upper
39 100
54 84.5 67.3 100.9





#17

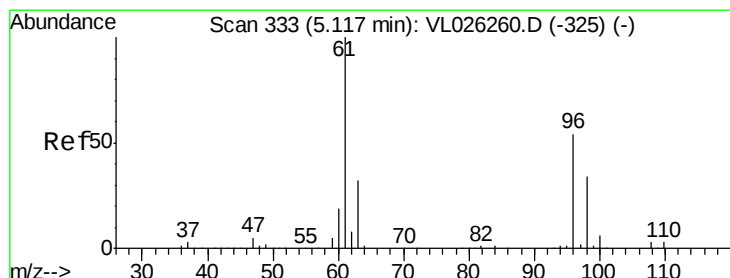
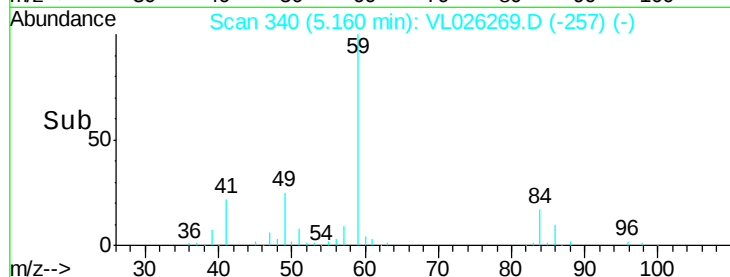
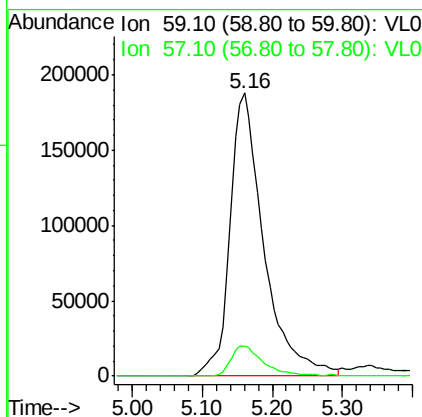
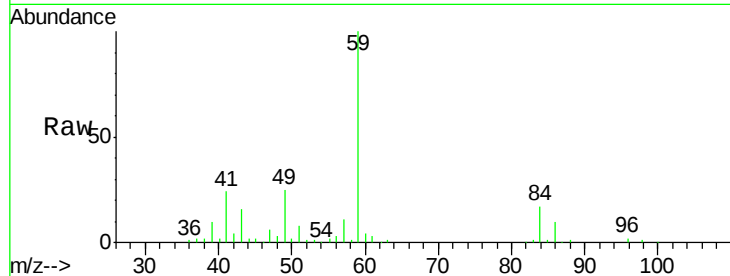
tert-Butyl alcohol
Concen: 10.63 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion	59	57	Ratio	100	10.8	Resp	633152	Lower	8.7	Upper	13.1
Ion	59	57	Ratio	100	10.8	Resp	633152	Lower	8.7	Upper	13.1

Manual Integrations
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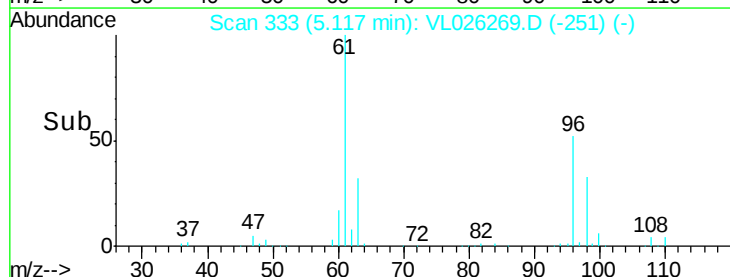
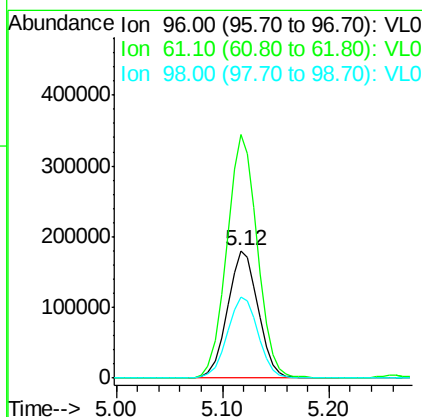
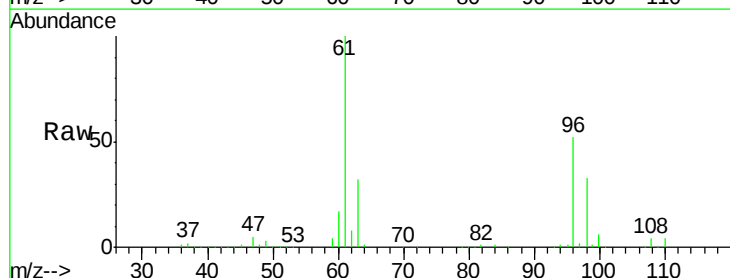
Mmdadoda
10/30/2015 12:06:40 PM

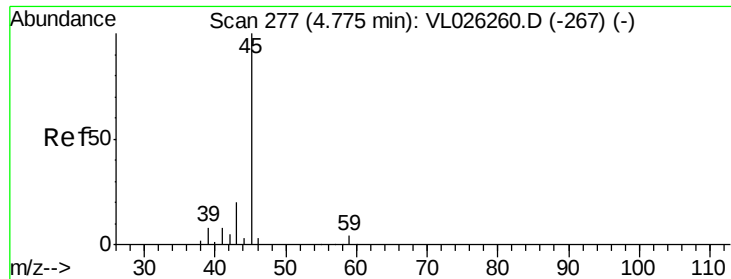


#18

1,1-Dichloroethene
Concen: 9.44 ppbv
RT: 5.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion	96	61	98	Ratio	100	190.5	63.5	Resp	363026	Lower	147.0	50.1	Upper	220.4	75.1
Ion	96	61	98	Ratio	100	190.5	63.5	Resp	363026	Lower	147.0	50.1	Upper	220.4	75.1





#19

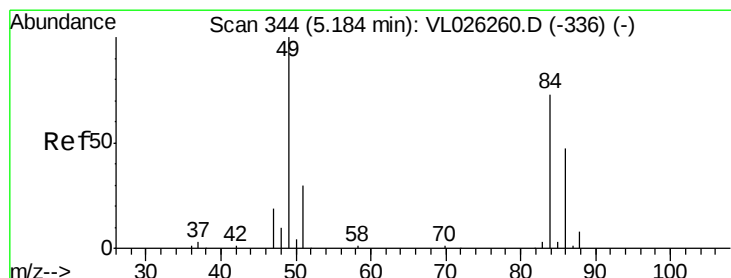
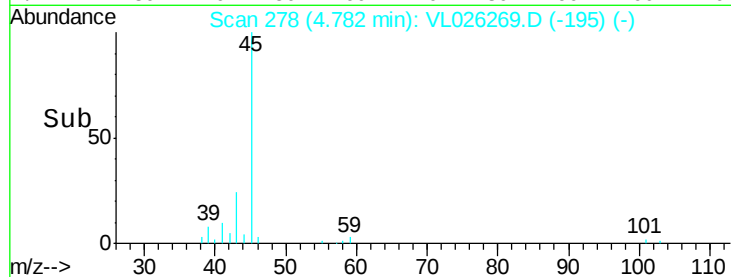
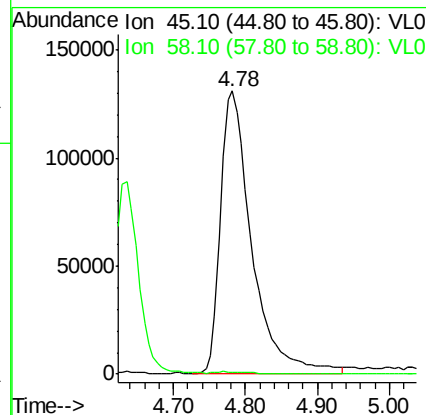
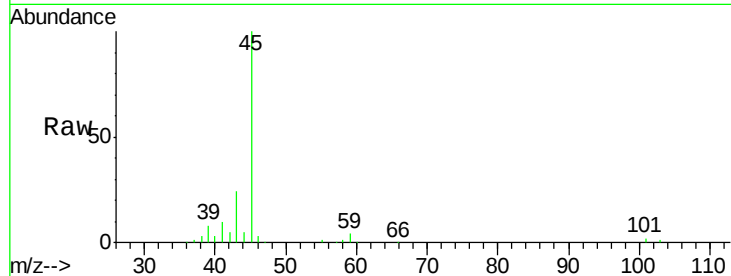
Isopropyl Alcohol
 Concen: 11.01 ppbv
 RT: 4.78 min Scan# 278
 Delta R.T. 0.01 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1029ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	50.6	43.8	65.8

Manual Integrations
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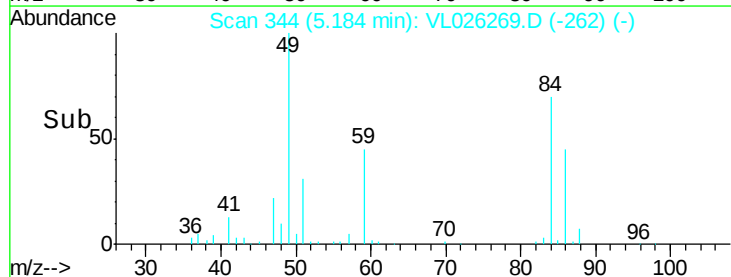
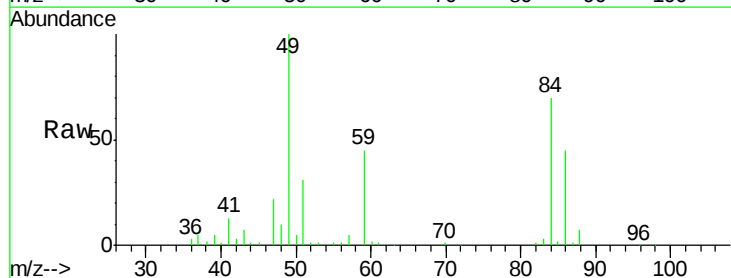
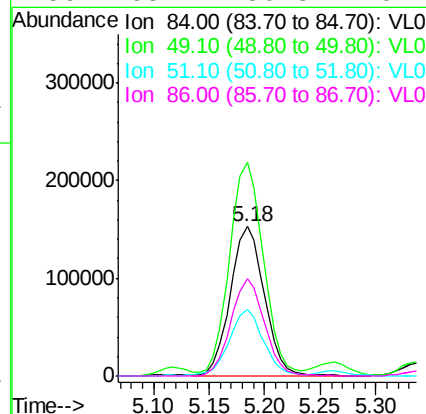
Mmdadoda
 10/30/2015 12:06:40 PM

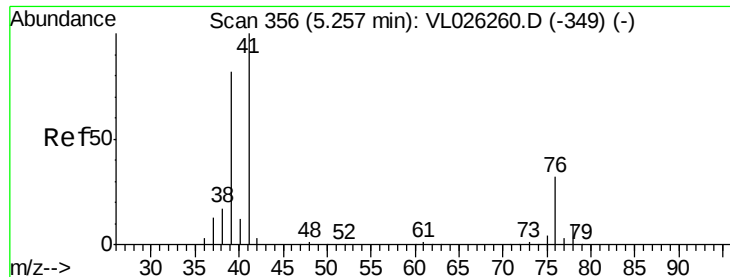


#20

Methylene Chloride
 Concen: 9.02 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.6	109.0	163.4
51	43.7	32.8	49.2
86	65.2	50.8	76.2





#21

Allvl Chloride

Concen: 9.65 ppbv

RT: 5.26 min Scan# 357

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

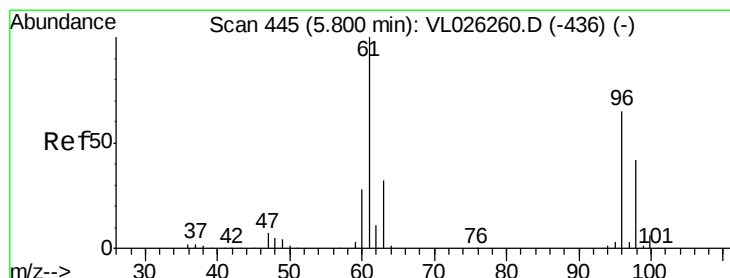
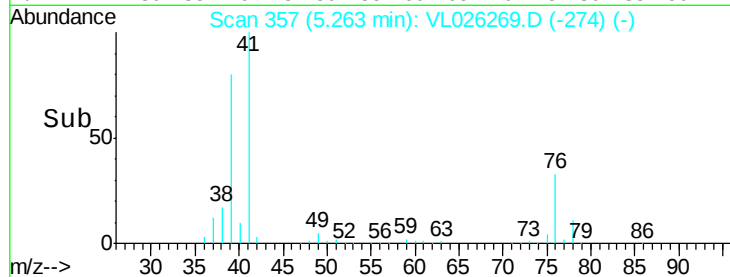
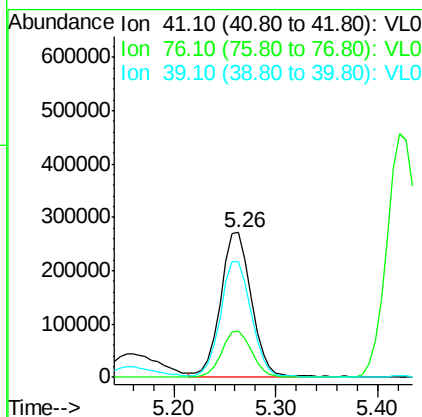
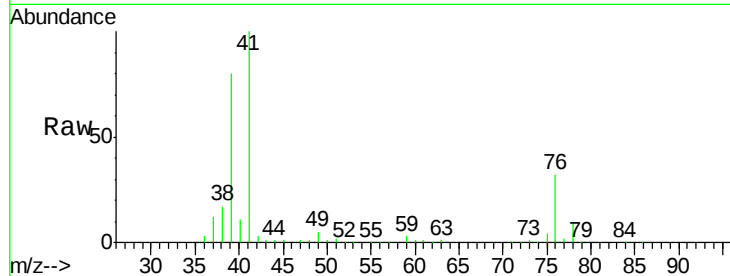
ClientSampleId :

VL1029ABS01

Tot Ion:	41	Resp:	564716
Ion	Ratio	Lower	Upper
41	100		
76	31.5	25.9	38.9
39	80.8	65.8	98.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.32 ppbv

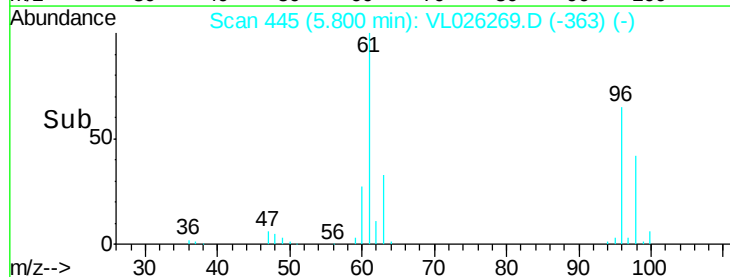
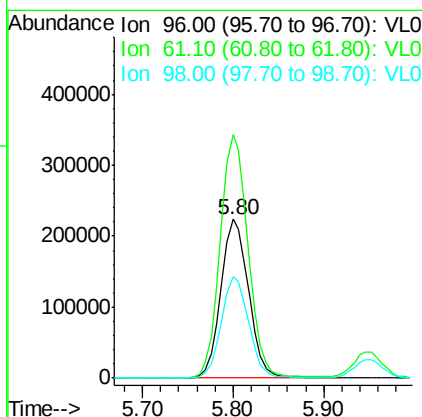
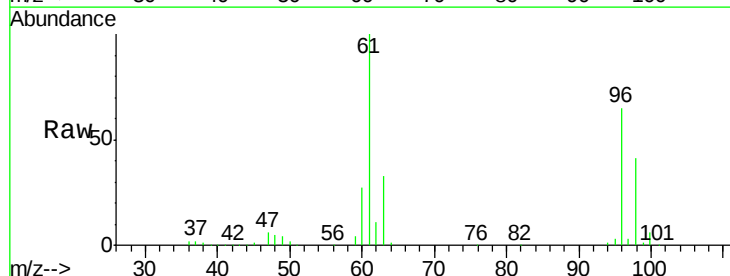
RT: 5.80 min Scan# 445

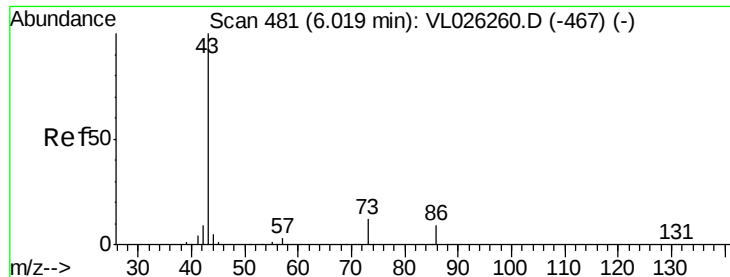
Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion:	96	Resp:	478431
Ion	Ratio	Lower	Upper
96	100		
61	153.2	123.2	184.8
98	63.5	51.4	77.0





#23

Vinyl Acetate

Concen: 9.94 ppbv

RT: 6.02 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 43 Resp: 1589212

Ion Ratio Lower Upper

43 100

86 9.3 7.3 10.9

42 9.6 7.2 10.8

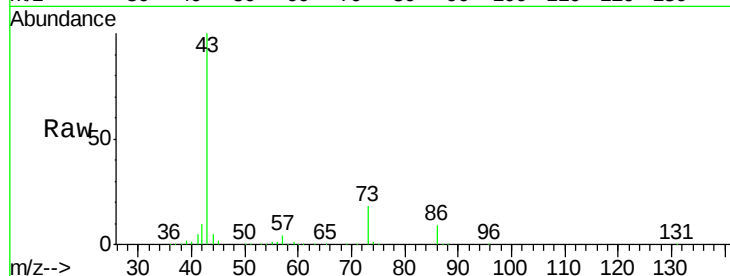
44 4.8 3.8 5.8

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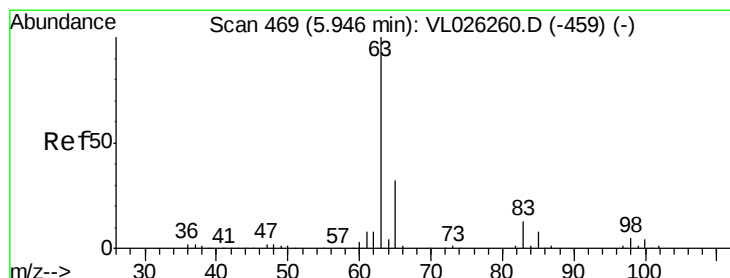
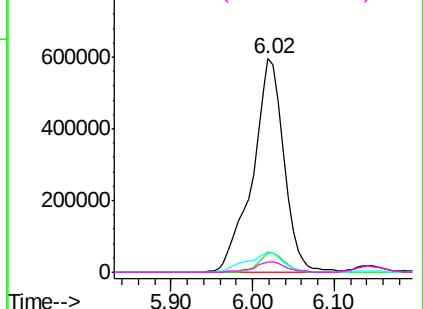
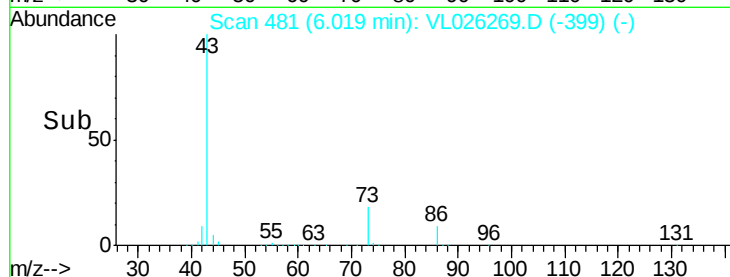


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.03 ppbv

RT: 5.95 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

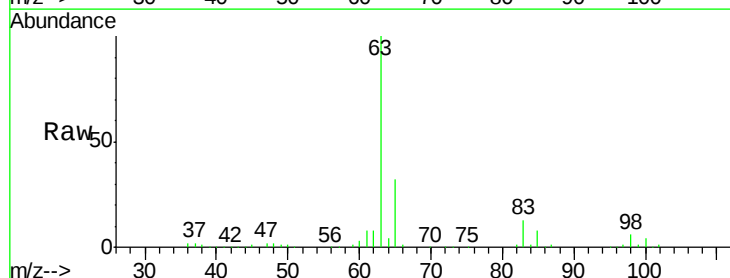
Tgt Ion: 63 Resp: 992755

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

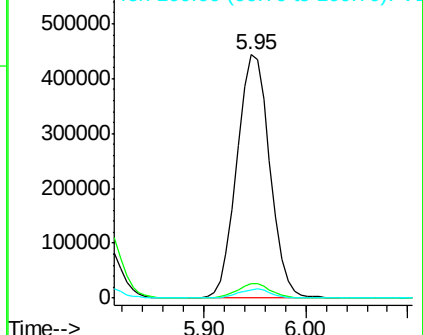
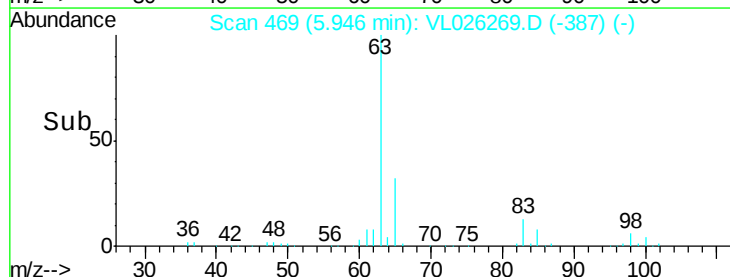
100 3.5 1.9 5.7

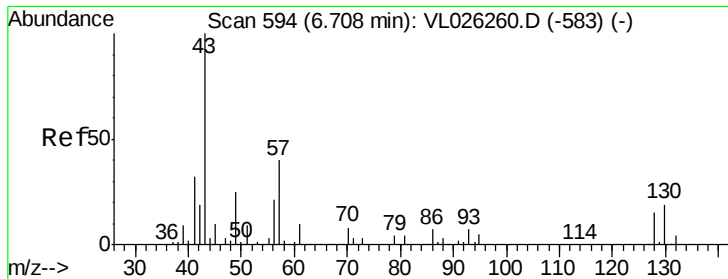


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





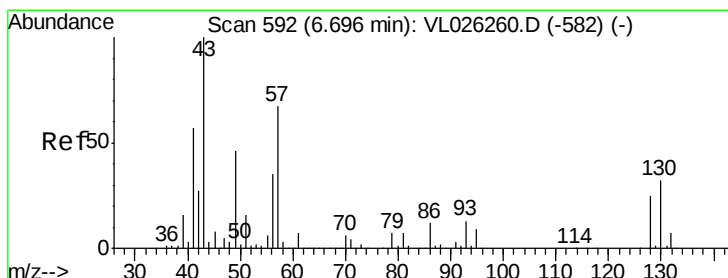
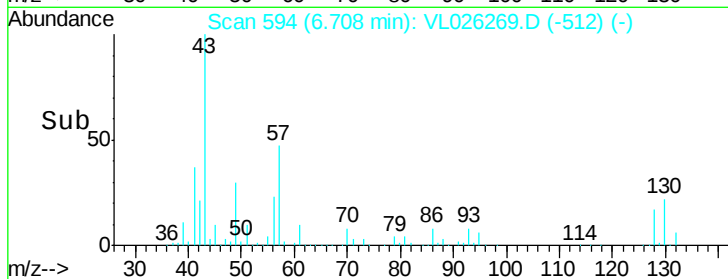
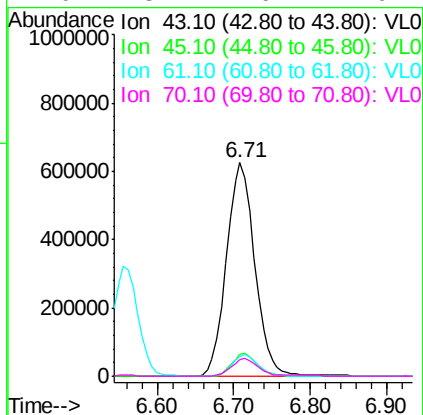
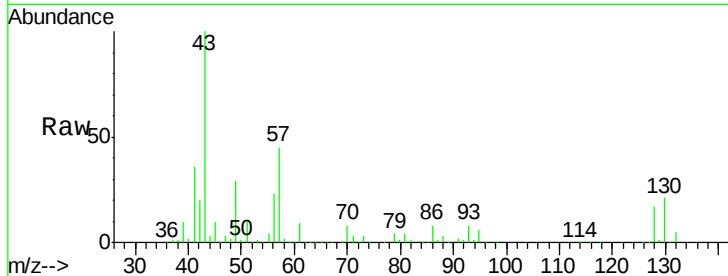
#25
Ethyl Acetate
Concen: 9.24 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion	43	Resp	1597009
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.6	11.4
61	9.5	7.4	11.2
70	8.4	6.7	10.1

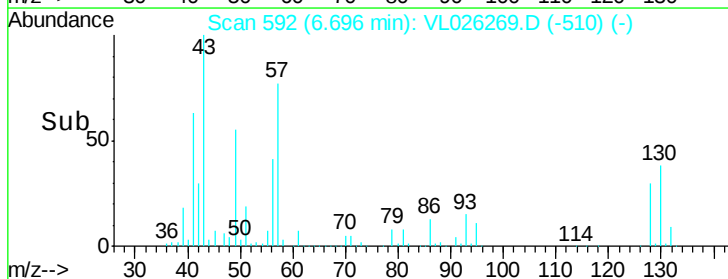
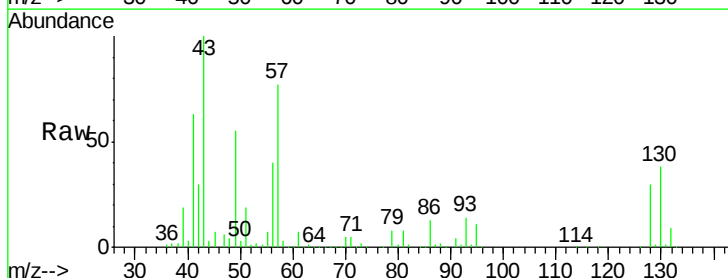
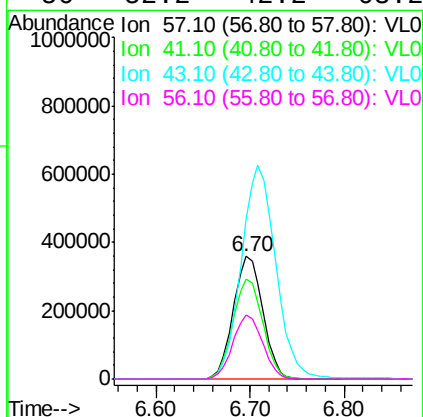
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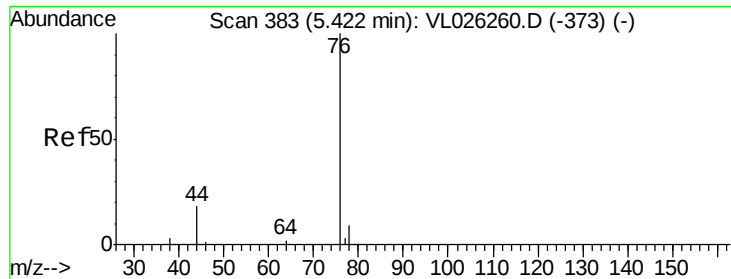
Mmdadoda
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#26
Hexane
Concen: 9.25 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion	57	Resp	782989
Ion	Ratio	Lower	Upper
57	100		
41	83.4	67.4	101.2
43	205.2	163.9	245.9
56	52.2	42.2	63.2





#27

Carbon Disulfide

Concen: 9.92 ppbv

RT: 5.42 min Scan# 383

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 76 Resp: 1004773

Ion Ratio Lower Upper

76 100

44 17.2 14.1 21.1

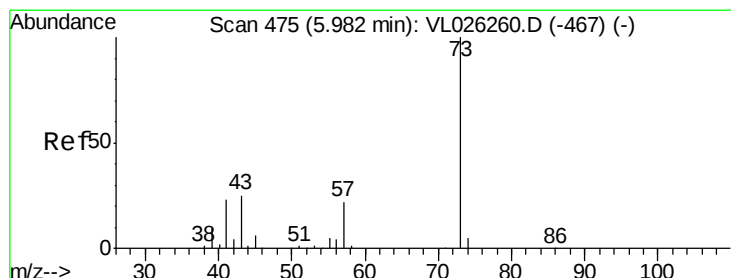
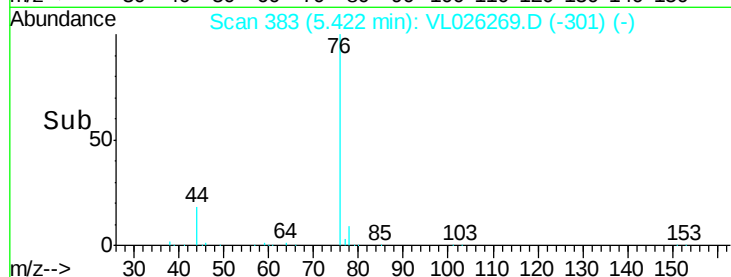
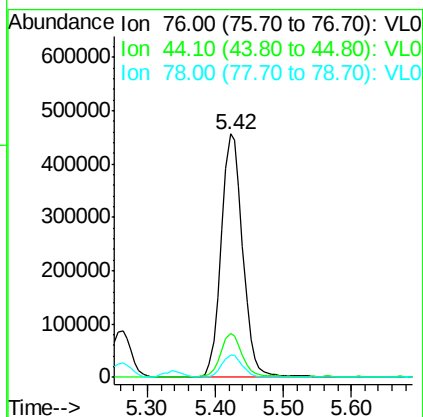
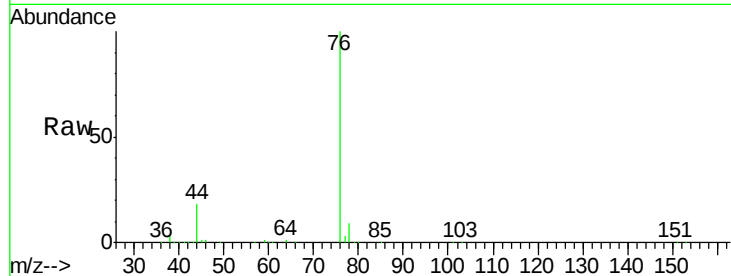
78 9.2 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.32 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL026269.D

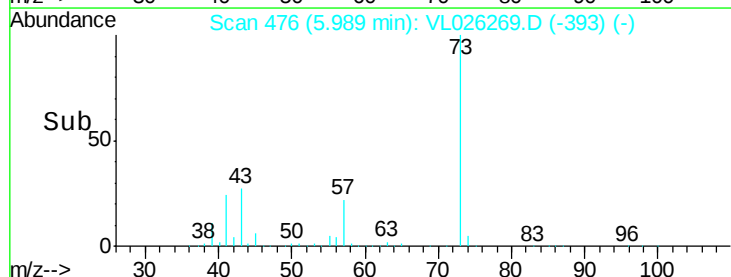
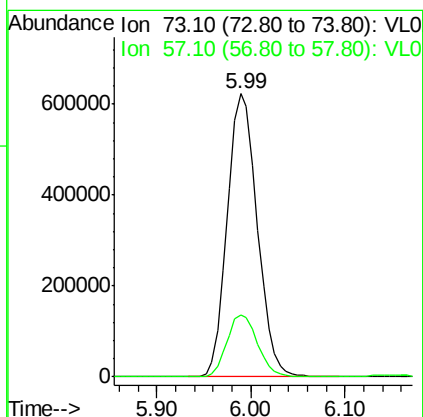
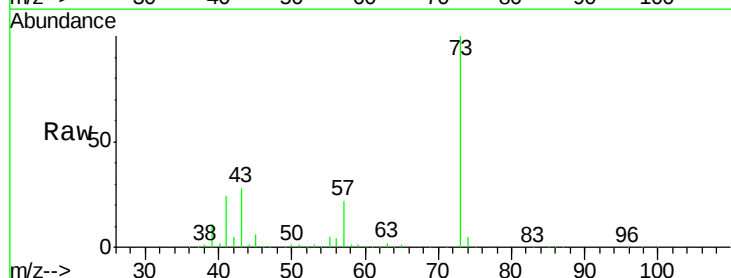
Acq: 29 Oct 2015 16:54

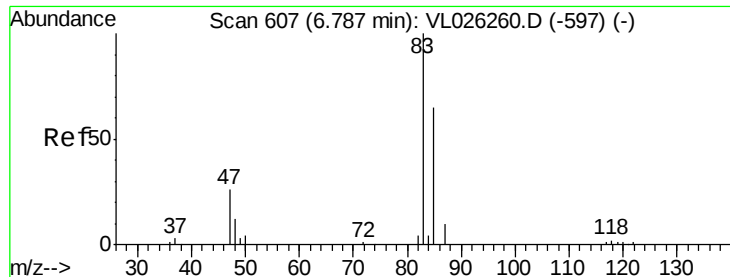
Tgt Ion: 73 Resp: 1382203

Ion Ratio Lower Upper

73 100

57 22.3 17.8 26.6





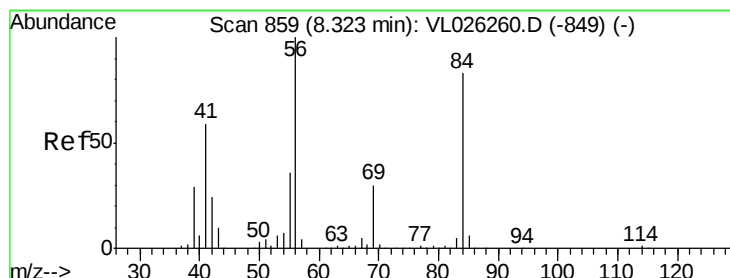
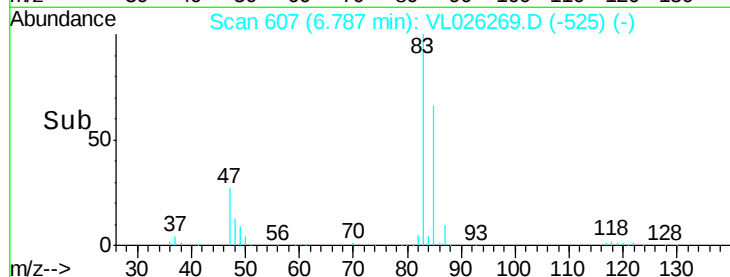
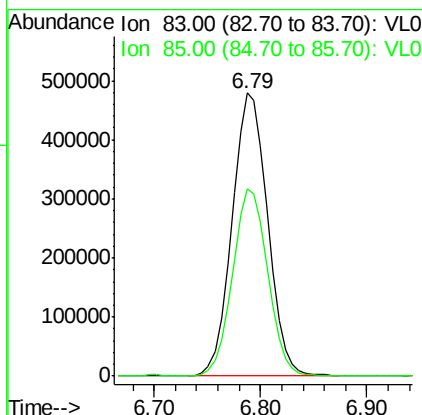
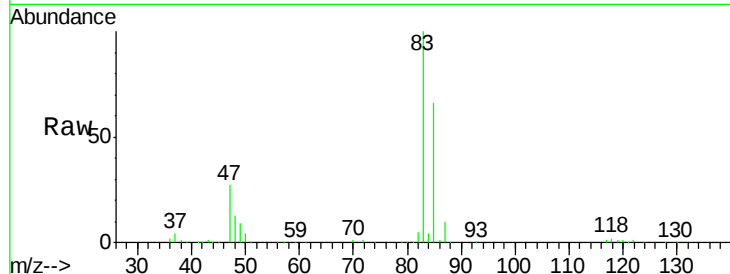
#29
Chloroform
Concen: 8.94 ppbv
RT: 6.79 min Scan# 607
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion: 83 Resp: 1121096
Ion Ratio Lower Upper
83 100
85 66.1 52.0 78.0

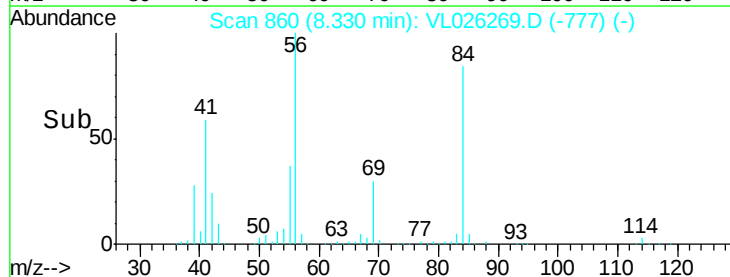
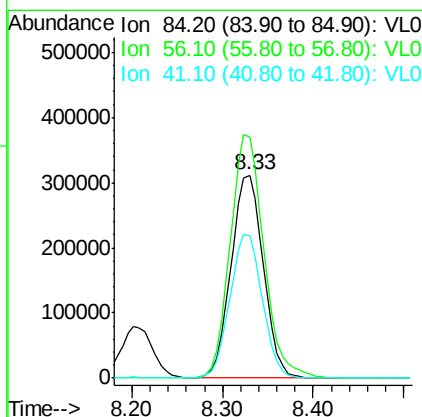
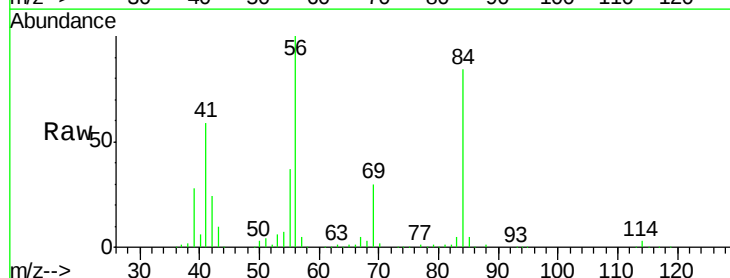
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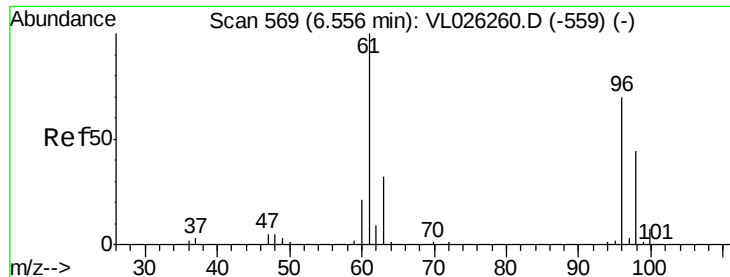
Mmdadoda
10/30/2015 12:06:40 PM



#30
Cyclohexane
Concen: 9.23 ppbv
RT: 8.33 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 84 Resp: 767874
Ion Ratio Lower Upper
84 100
56 125.5 99.6 149.4
41 71.7 56.7 85.1





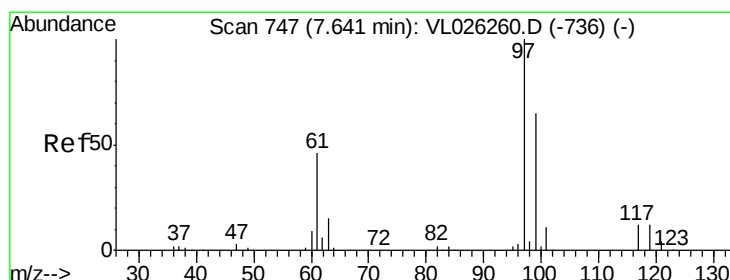
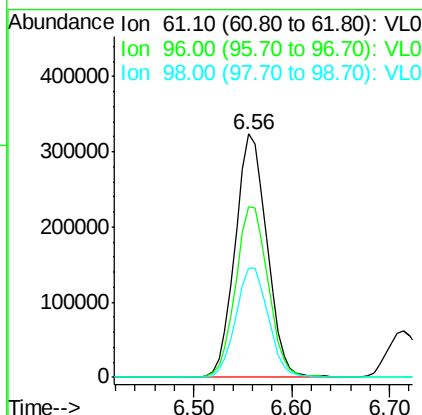
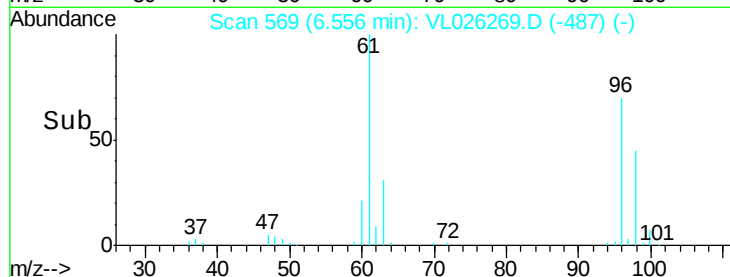
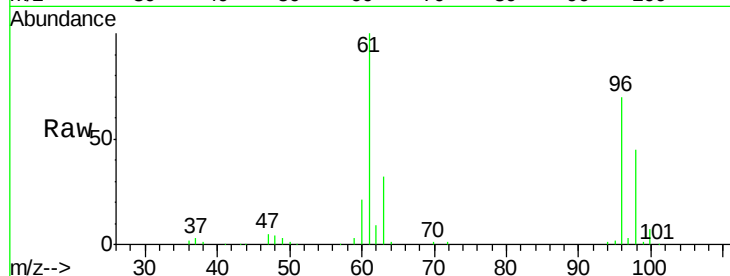
#31
 cis-1,2-Dichloroethene
 Concen: 9.44 ppbv
 RT: 6.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.0	56.2	84.4
98	44.8	35.4	53.2

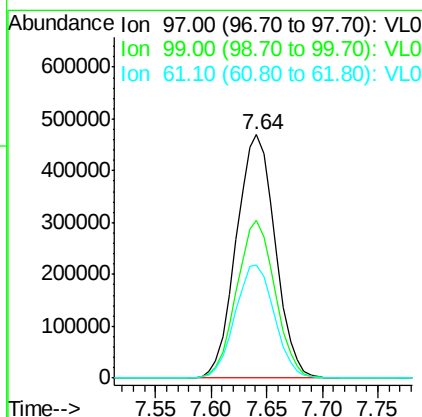
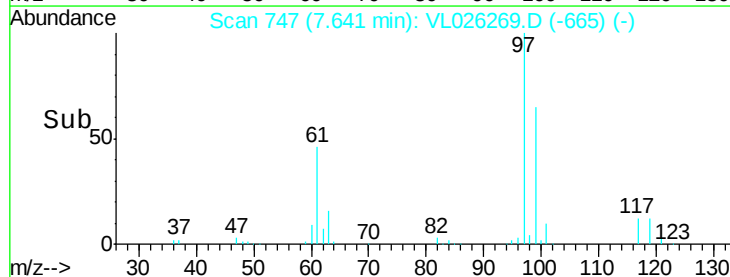
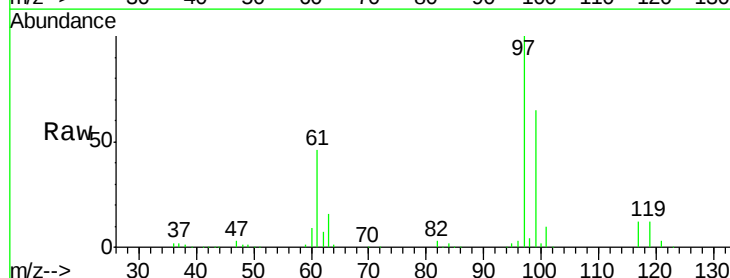
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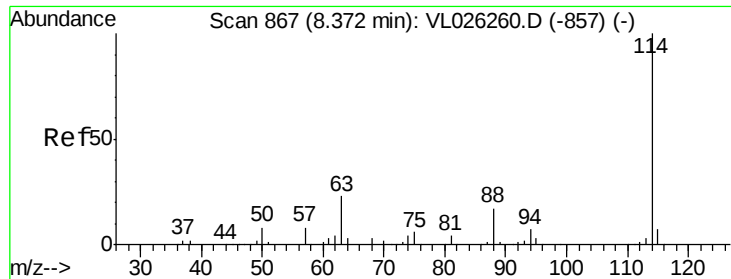
Mmdadoda
 10/30/2015 12:06:40 PM



#32
 1,1,1-Trichloroethane
 Concen: 8.25 ppbv
 RT: 7.64 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	46.9	37.1	55.7





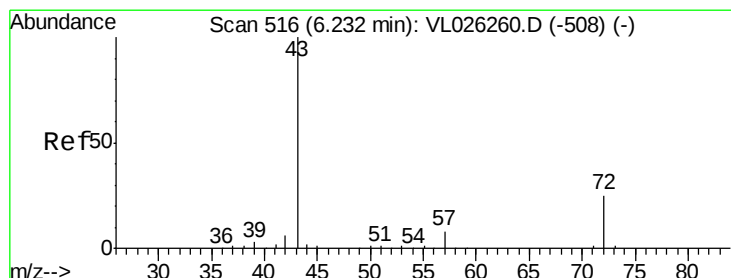
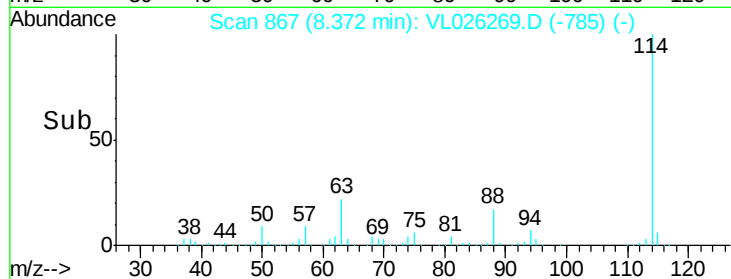
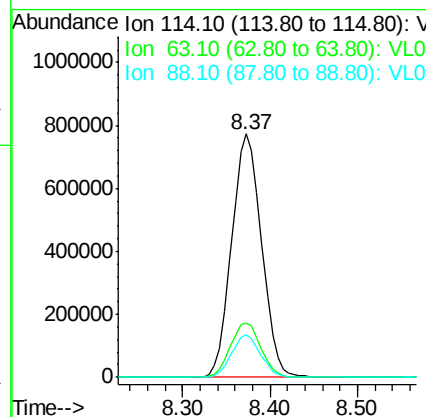
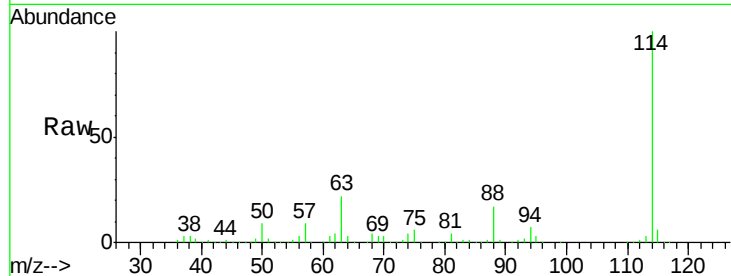
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion:114 Resp: 1838922
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.6 28.0
 88 17.0 13.4 20.2

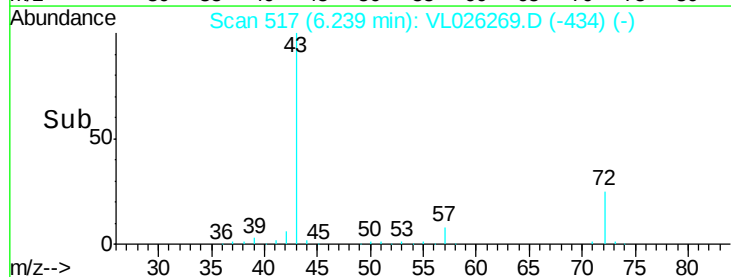
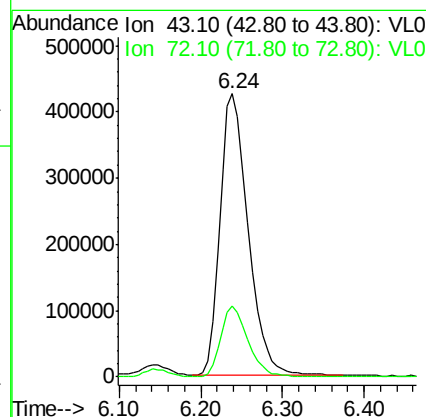
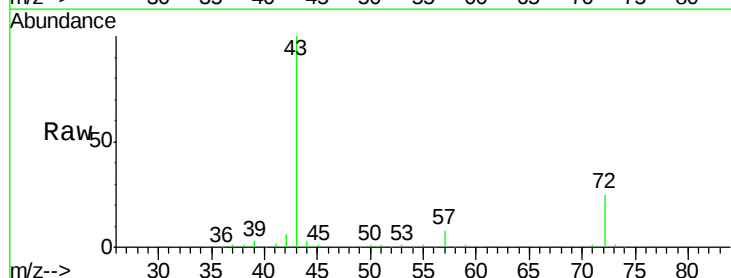
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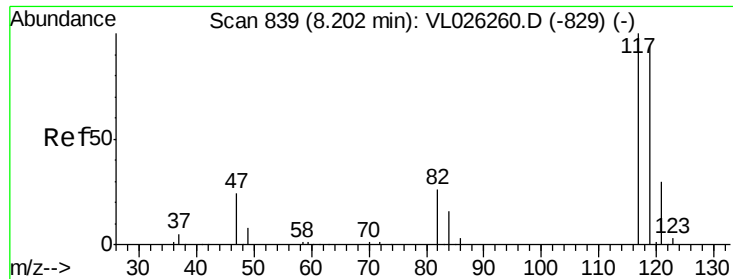
Mmdadoda
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#34
 2-Butanone
 Concen: 9.20 ppbv
 RT: 6.24 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion: 43 Resp: 1021613
 Ion Ratio Lower Upper
 43 100
 72 24.7 19.9 29.9





#35

Carbon Tetrachloride

Concen: 8.45 ppbv

RT: 8.21 min Scan# 840

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion:117 Resp: 1171759

Ion Ratio Lower Upper

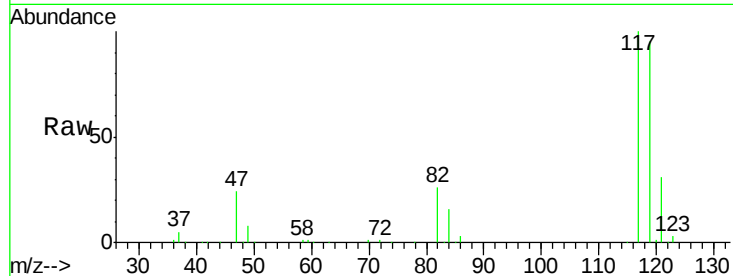
117 100

119 94.7 75.2 112.8

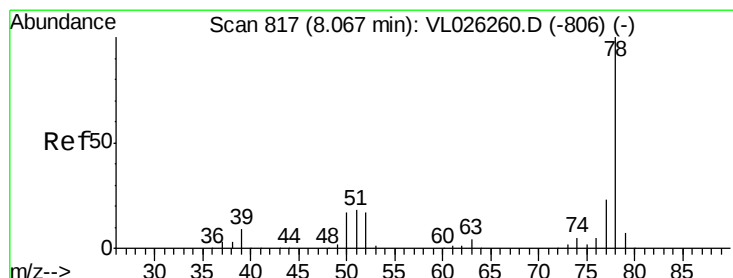
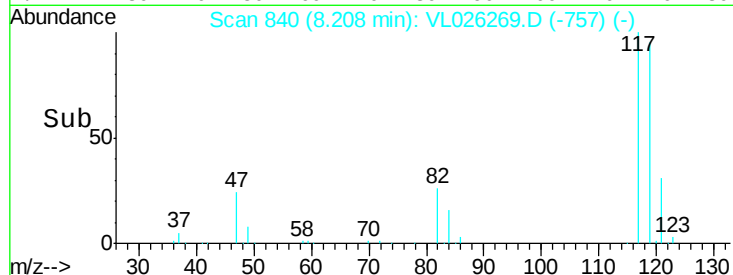
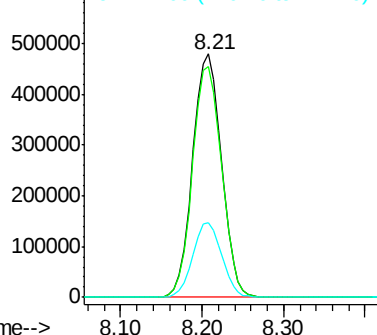
121 30.6 24.2 36.2

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.02 ppbv

RT: 8.07 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

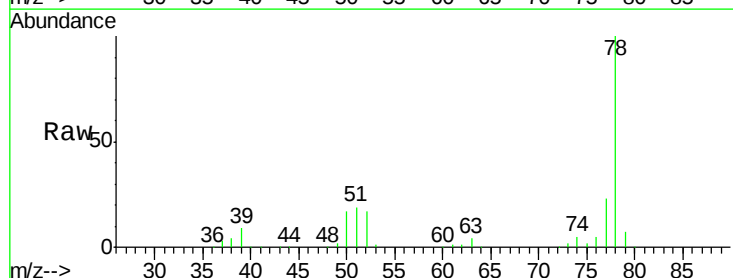
Tgt Ion: 78 Resp: 1756459

Ion Ratio Lower Upper

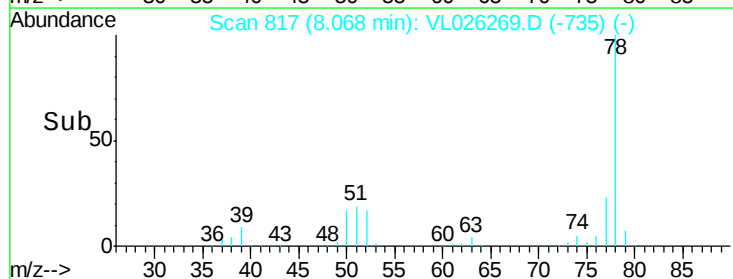
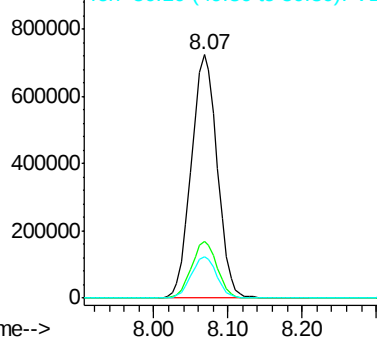
78 100

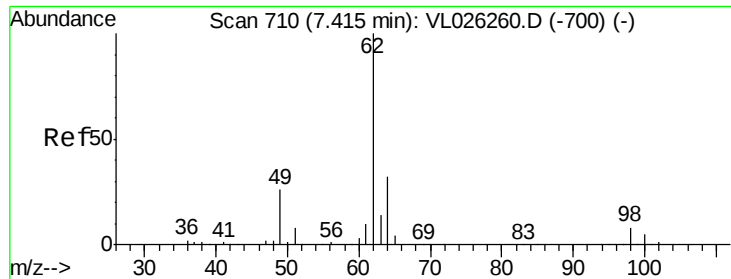
77 23.1 18.0 27.0

50 17.0 13.3 19.9



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





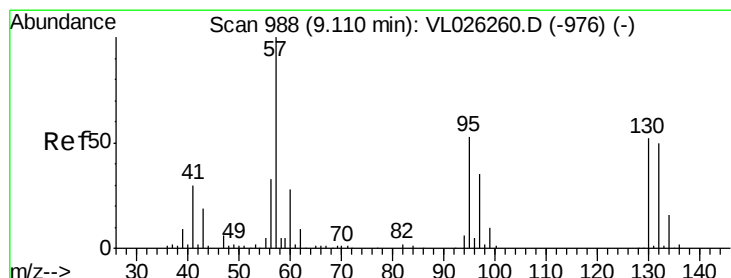
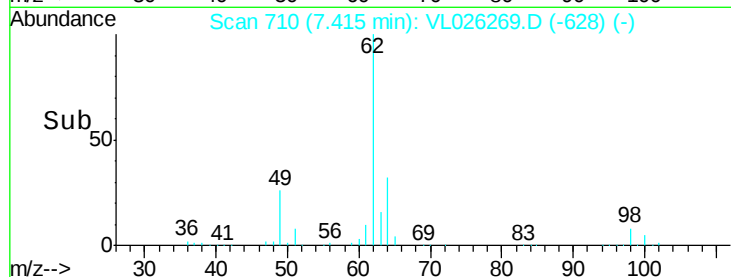
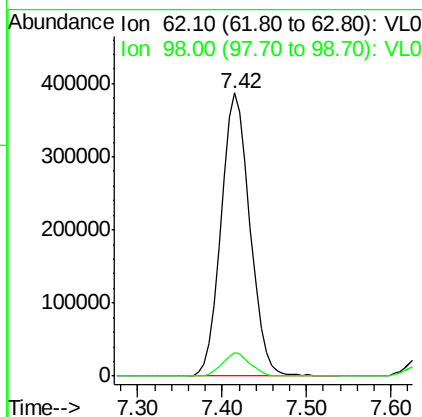
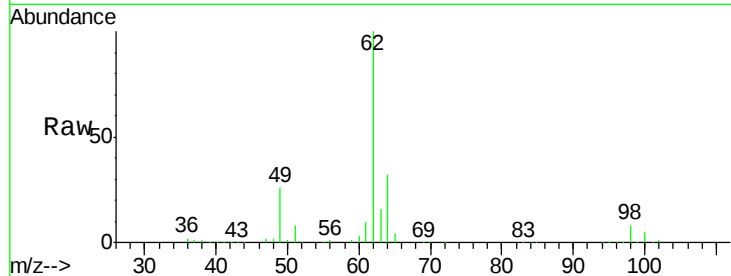
#37
 1,2-Dichloroethane
 Concen: 9.05 ppbv
 RT: 7.42 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	908007		
98	8.0		6.3	9.5

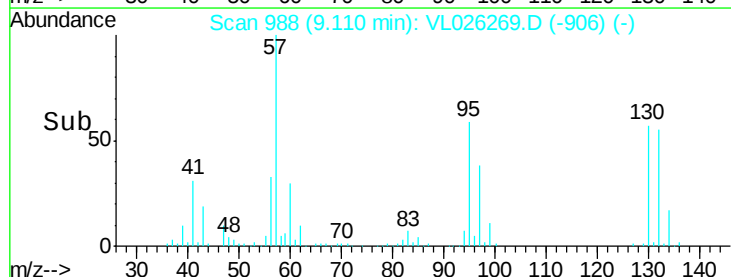
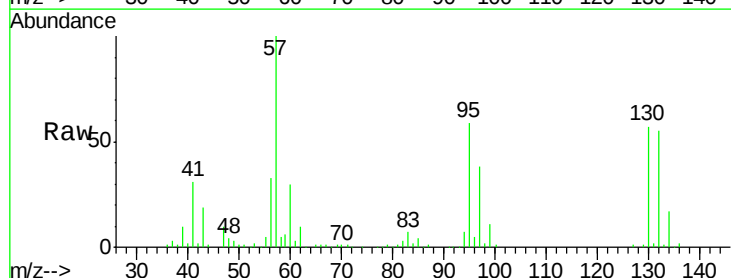
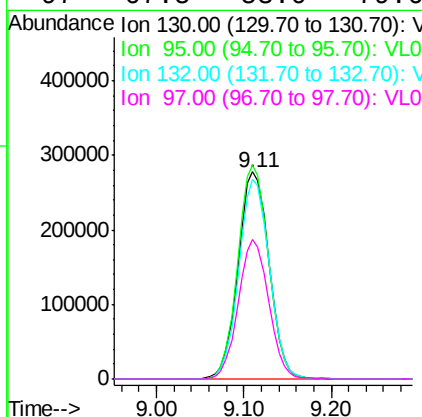
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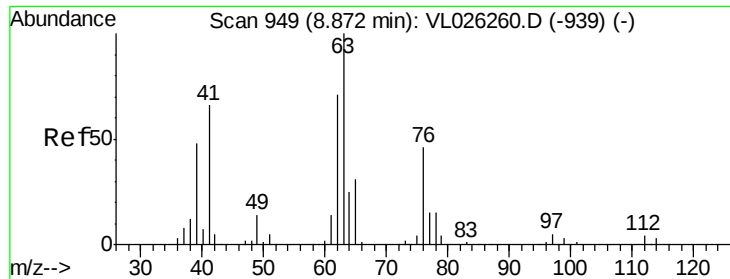
Mmdadoda
 10/30/2015 12:06:40 PM



#38
 Trichloroethene
 Concen: 7.35 ppbv
 RT: 9.11 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	687607		
95	103.2		80.8	121.2
132	96.8		76.2	114.2
97	67.5		53.0	79.6





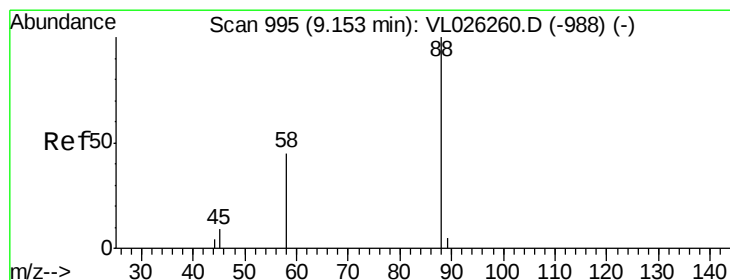
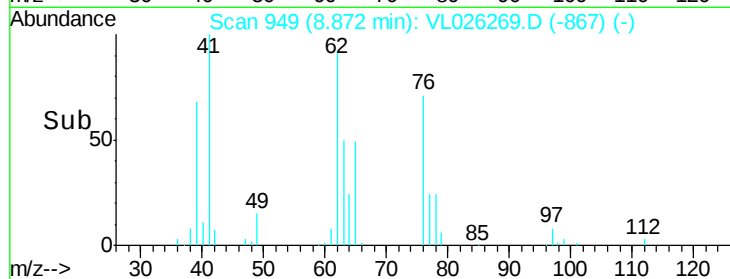
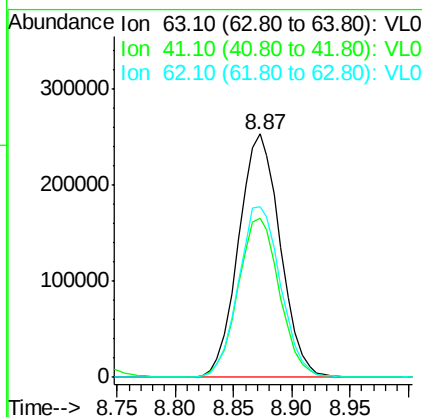
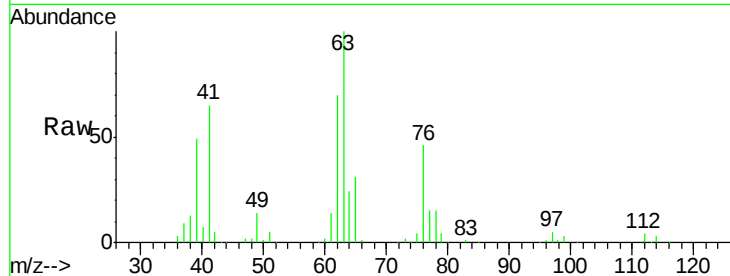
#39
 1,2-Dichloropropane
 Concen: 8.93 ppbv
 RT: 8.87 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	65.2	53.2	79.8
62	70.3	57.1	85.7

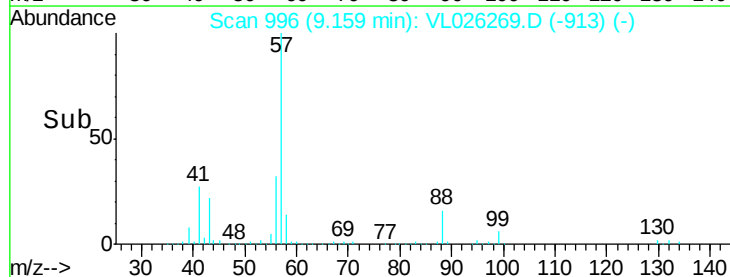
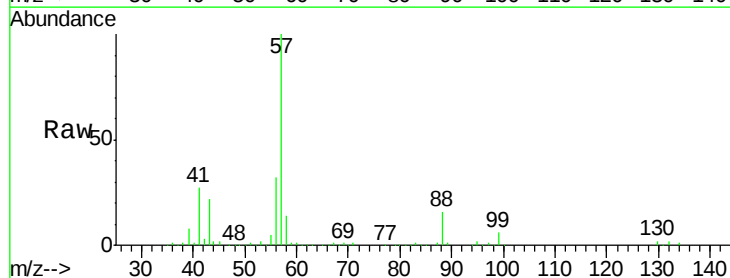
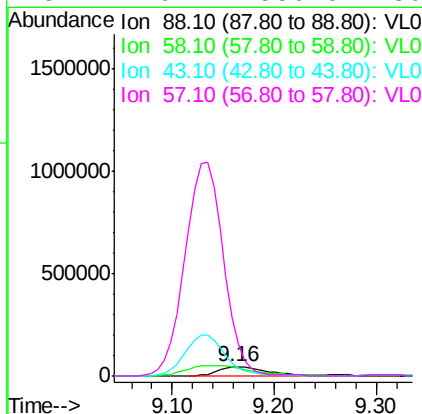
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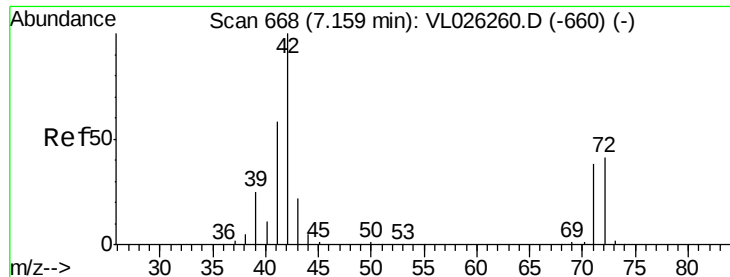
Mmdadoda
 10/30/2015 12:06:40 PM



#40
 1,4-Dioxane
 Concen: 12.98 ppbv
 RT: 9.16 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	151.9	126.2	189.2
43	351.3	307.3	460.9
57	1749.2	1536.6	2304.8





#41

Tetrahydrofuran

Concen: 9.68 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

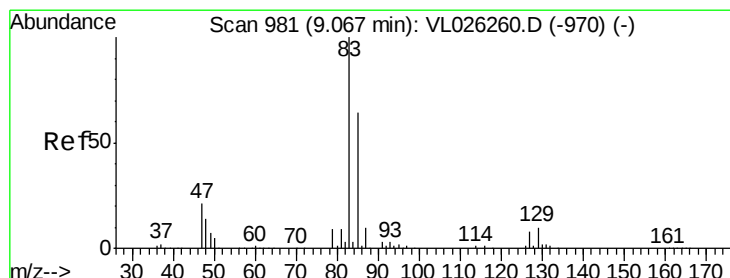
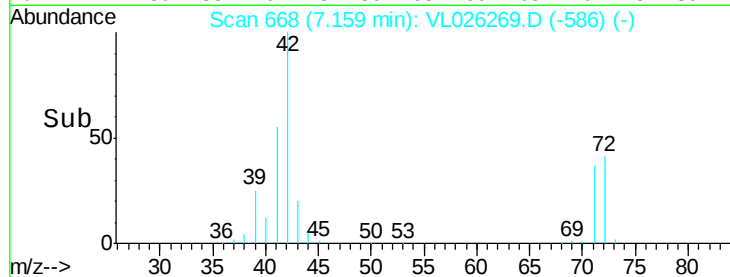
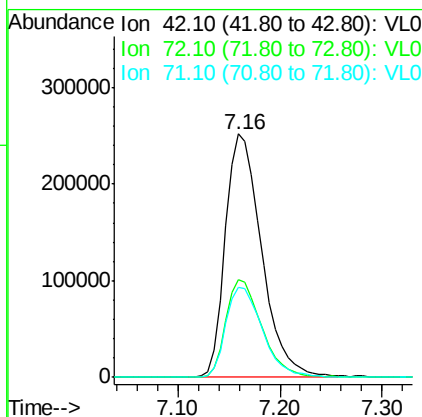
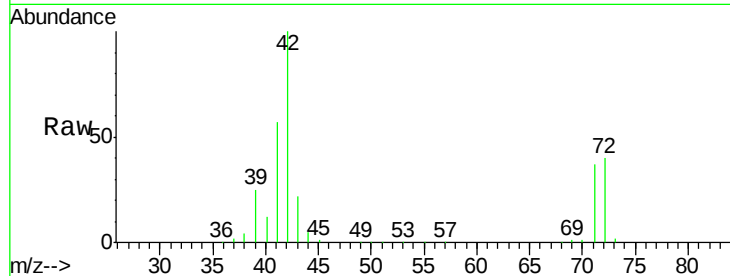
ClientSampleId :

VL1029ABS01

Tot Ion:	42	Resp:	621284
Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.4
71	37.6	30.4	45.6

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#42

Bromodichloromethane

Concen: 9.22 ppbv

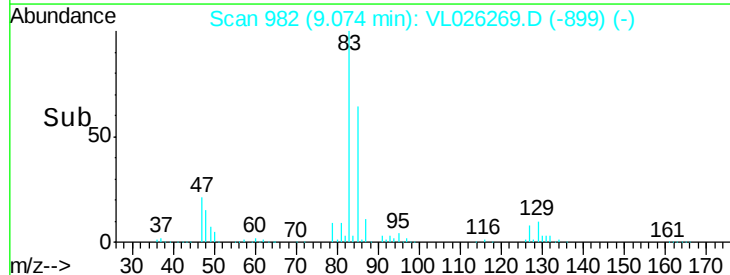
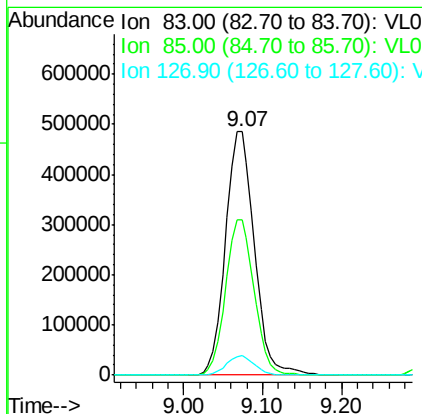
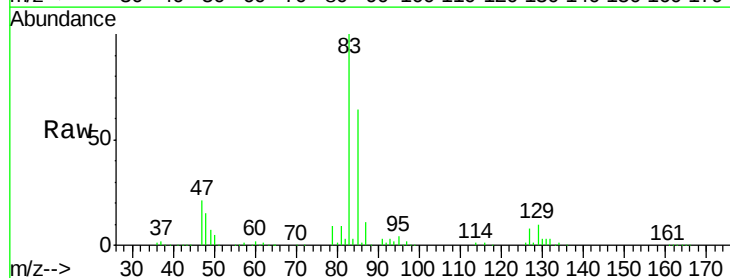
RT: 9.07 min Scan# 982

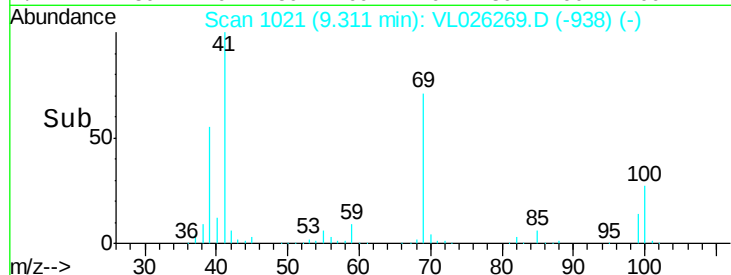
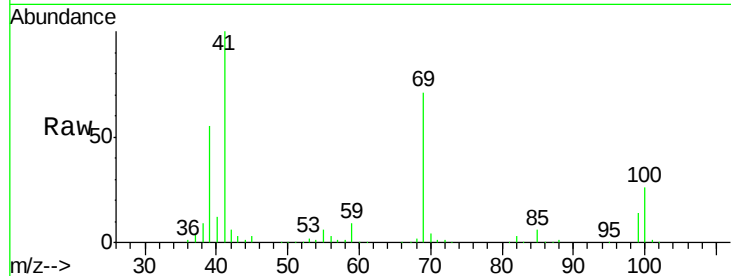
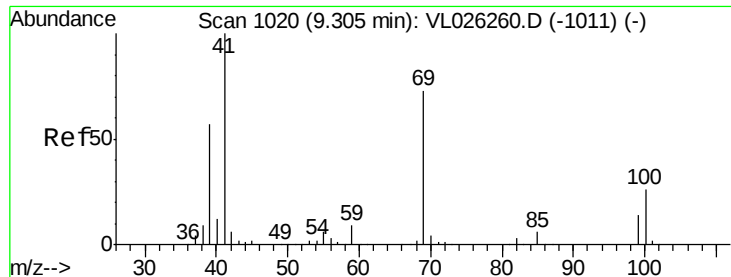
Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion:	83	Resp:	1239300
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.2	76.8
127	7.8	6.2	9.4





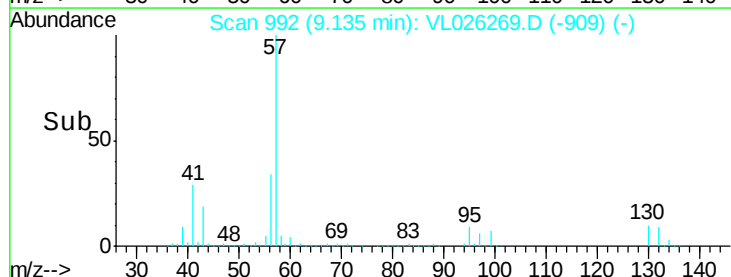
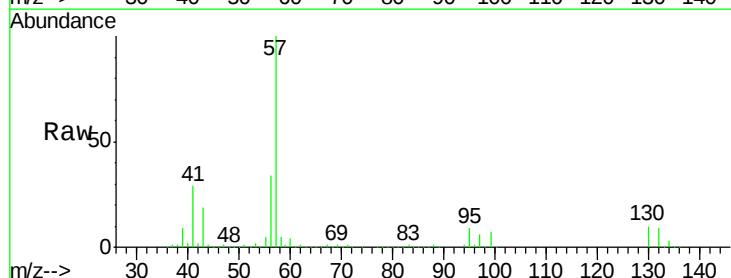
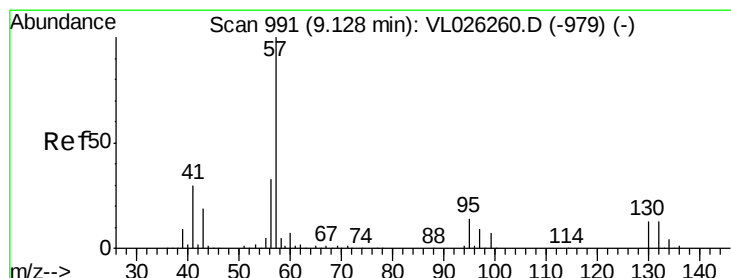
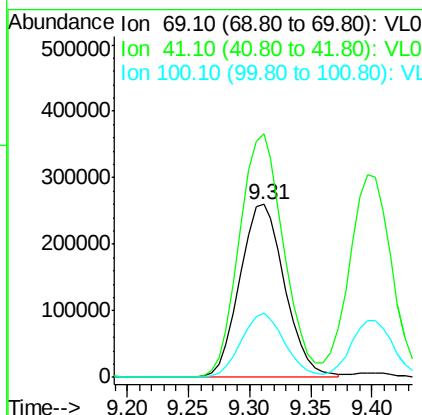
#43
Methvl Methacrvlate
Concen: 9.58 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tot Ion	Ratio	Lower	Upper
69	100		
41	138.0	110.0	165.0
100	36.0	28.6	43.0

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

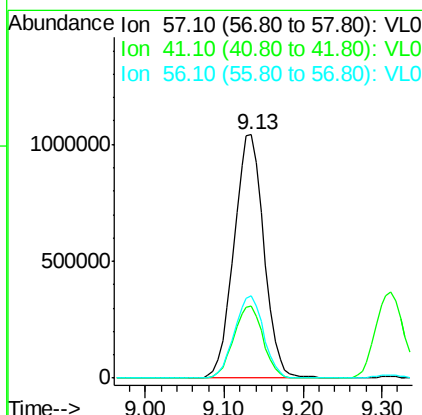
Manual Integrations
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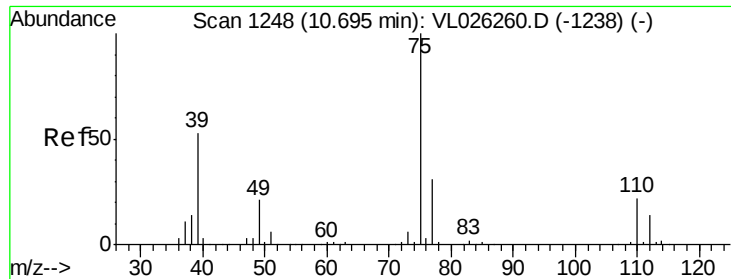
Mmdadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.66 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.1	23.1	34.7
56	32.9	26.3	39.5





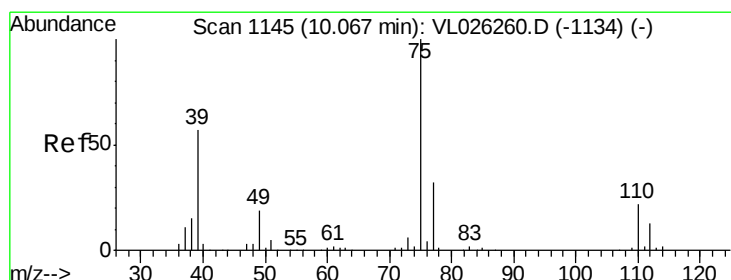
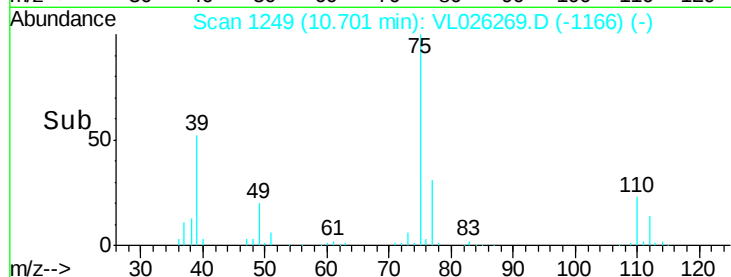
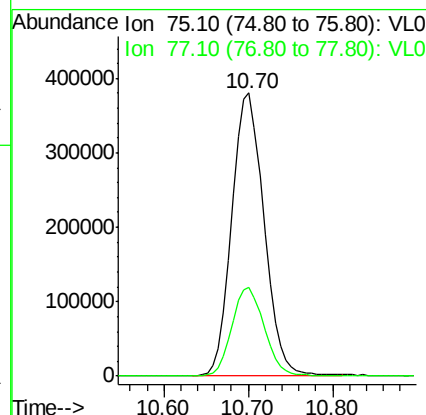
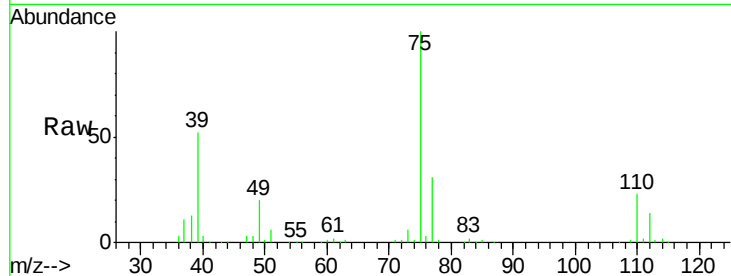
#45
 t-1,3-Dichloropropene
 Concen: 10.20 ppbv
 RT: 10.70 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion: 75 Resp: 994353
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.7 37.1

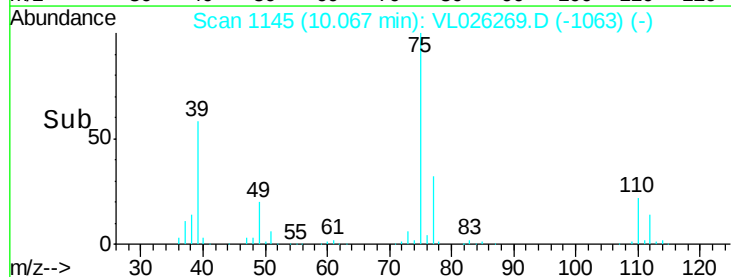
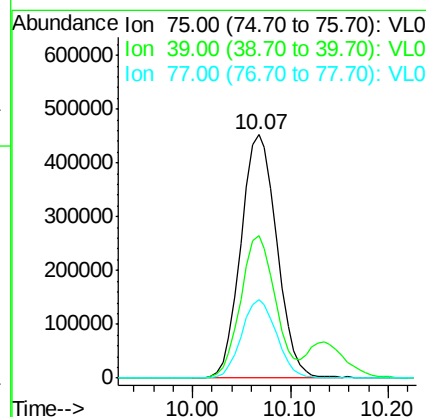
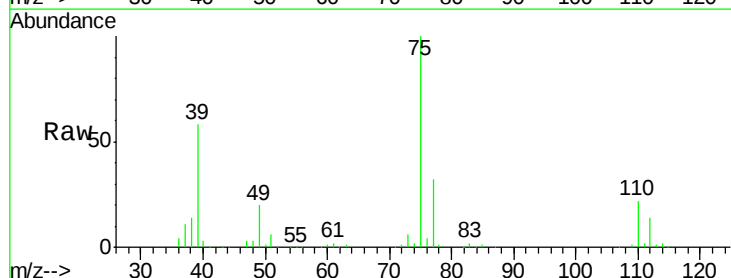
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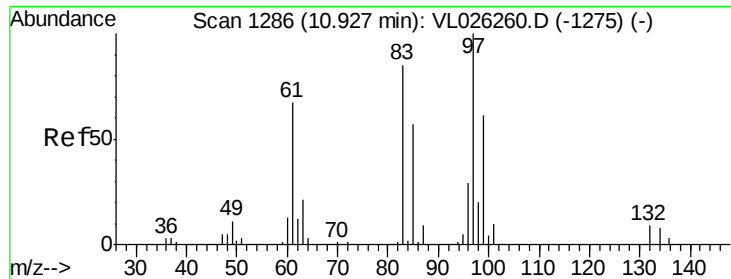
Mmdadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 9.77 ppbv
 RT: 10.07 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion: 75 Resp: 1158916
 Ion Ratio Lower Upper
 75 100
 39 58.3 45.8 68.8
 77 32.3 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 8.77 ppbv

RT: 10.93 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 97 Resp: 751093

Ion Ratio Lower Upper

97 100

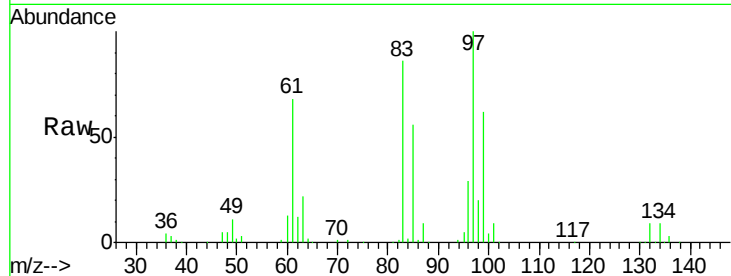
83 85.5 67.9 101.9

85 56.5 45.2 67.8

99 61.8 49.0 73.6

Manual Integrations
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Mmdadoda
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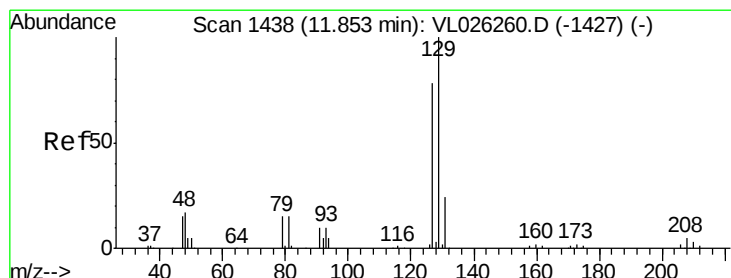
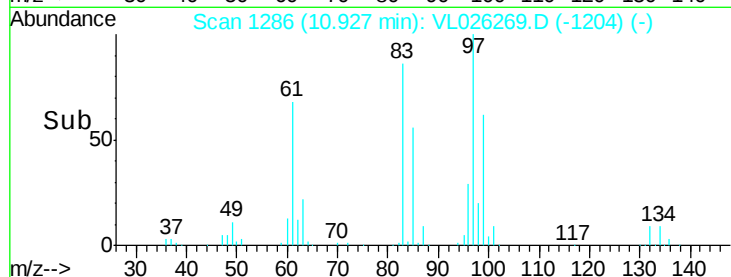
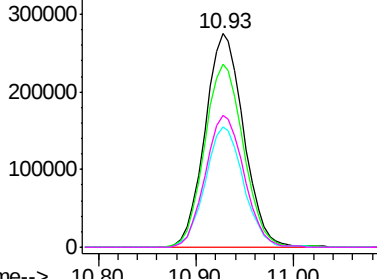
Abundance

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



#48

Dibromochloromethane

Concen: 9.54 ppbv

RT: 11.85 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VL026269.D

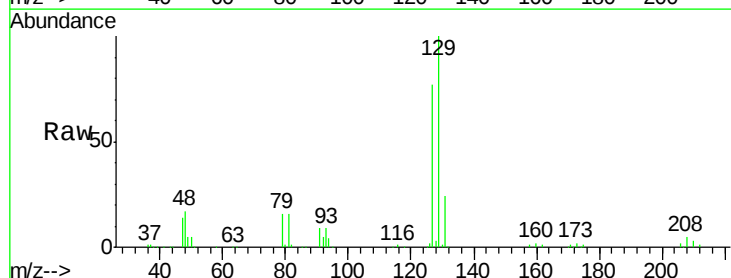
Acq: 29 Oct 2015 16:54

Tgt Ion: 129 Resp: 1168291

Ion Ratio Lower Upper

129 100

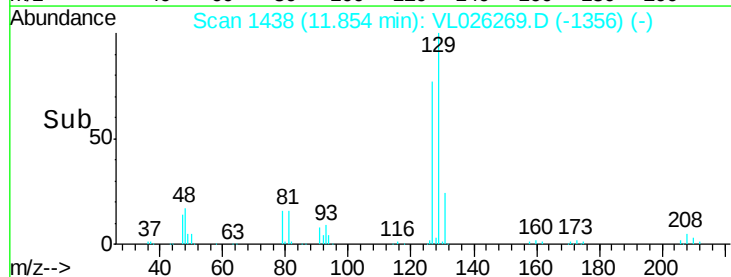
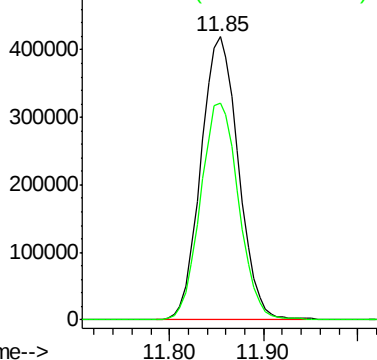
127 78.2 39.1 117.2

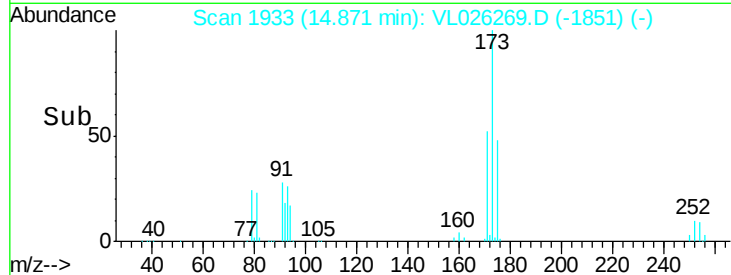
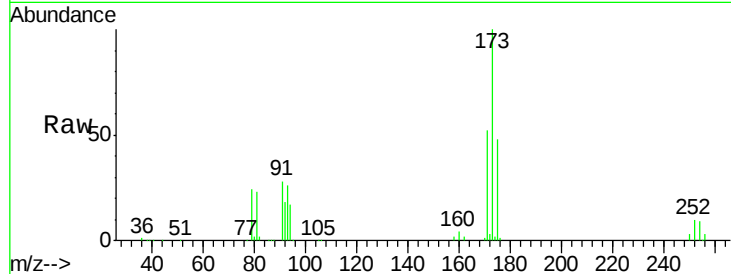
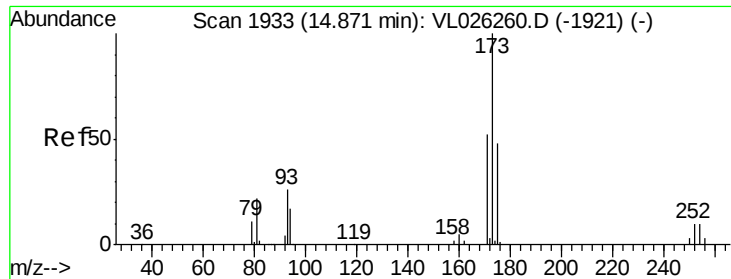


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.87 ppbv

RT: 14.87 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tot Ion	173	Resp	939739
Ion Ratio	100	Lower	Upper
173	100		
175	48.6	38.8	58.2
171	52.0	41.7	62.5

Instrument :

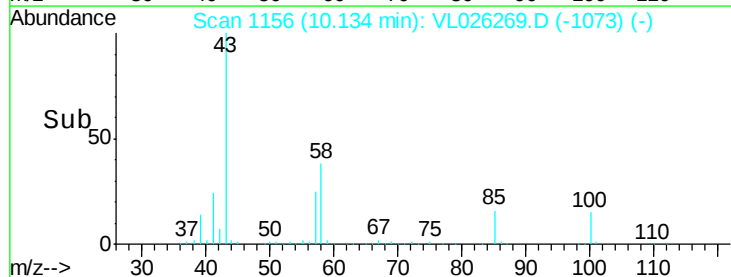
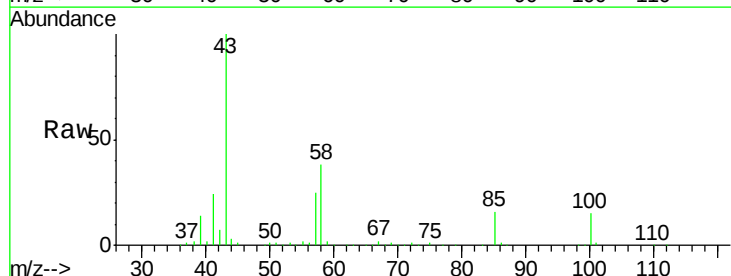
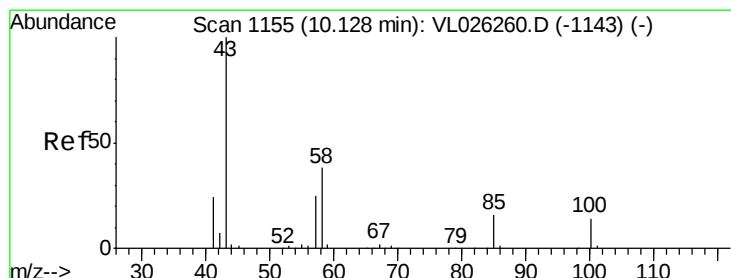
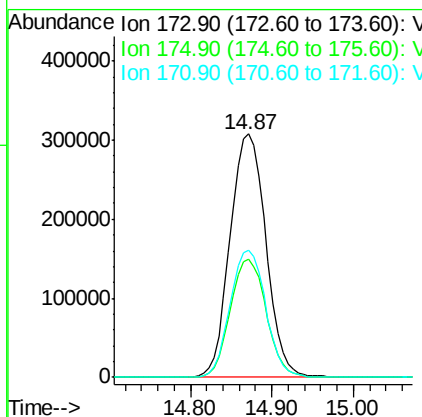
MSVOA_L

ClientSampleId :

VL1029ABS01

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#50

4-Methyl-2-Pentanone

Concen: 9.40 ppbv

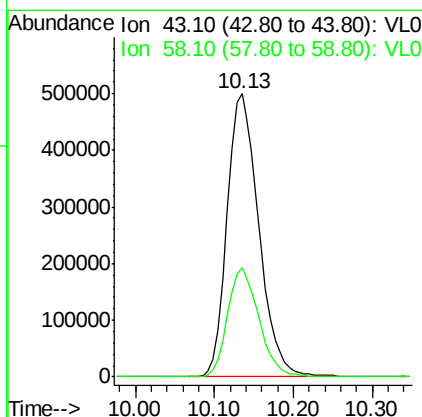
RT: 10.13 min Scan# 1156

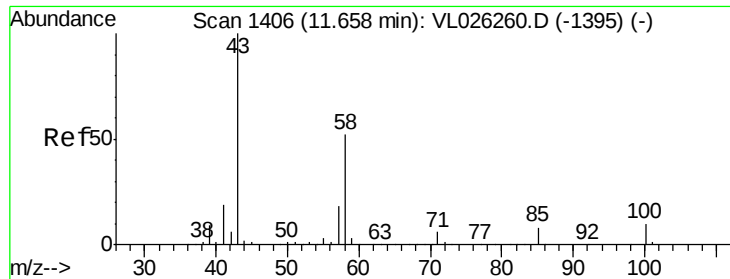
Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion	43	Resp	1396692
Ion Ratio	100	Lower	Upper
43	100		
58	38.3	30.5	45.7





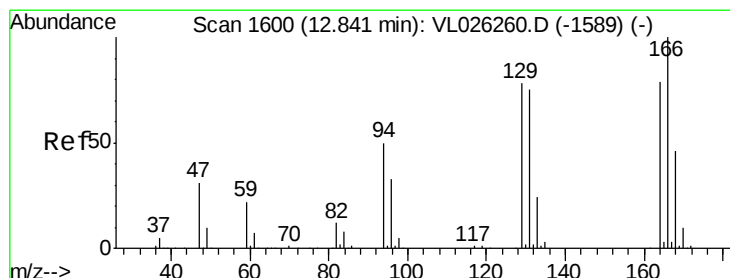
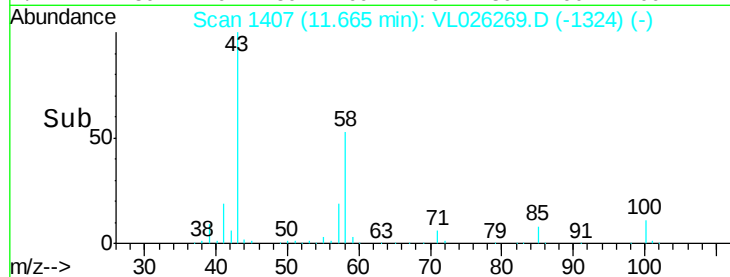
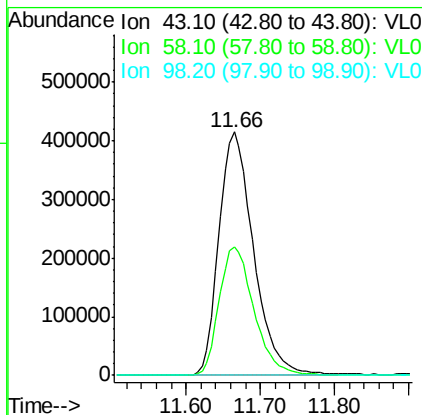
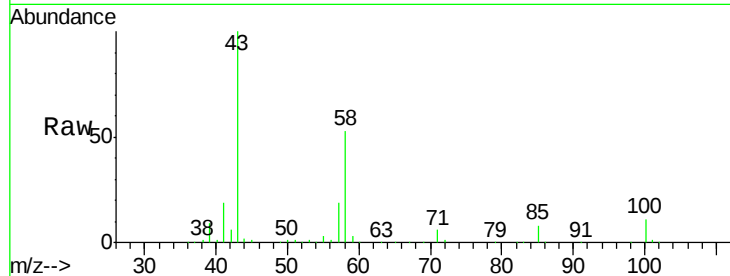
#51
2-Hexanone
Concen: 9.96 ppbv
RT: 11.66 min Scan# 1407
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion: 43 Resp: 1347729
Ion Ratio Lower Upper
43 100
58 53.2 42.7 64.1
98 0.0 0.0 0.0#

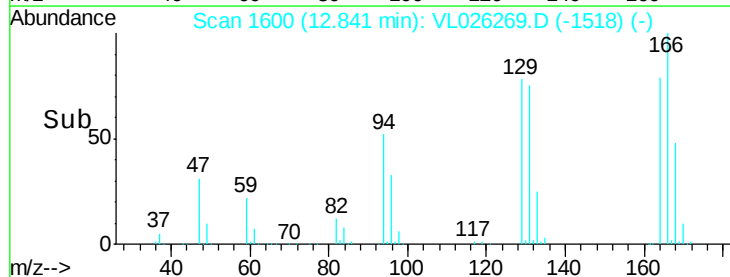
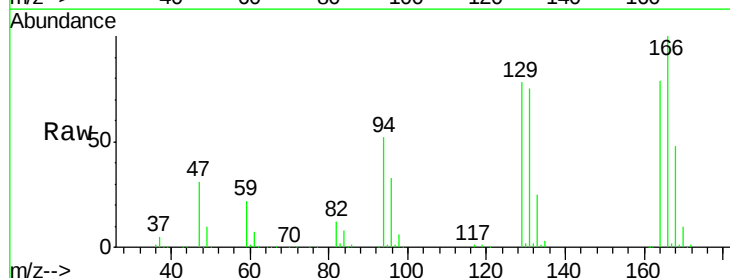
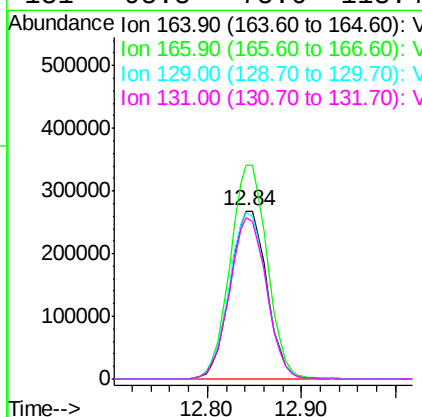
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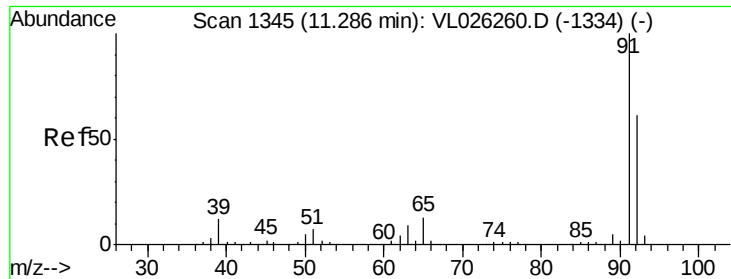
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#52
Tetrachloroethene
Concen: 7.45 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 164 Resp: 732069
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.0
129 98.9 78.8 118.2
131 95.8 75.6 113.4





#53

Toluene

Concen: 9.00 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 91 Resp: 2275382

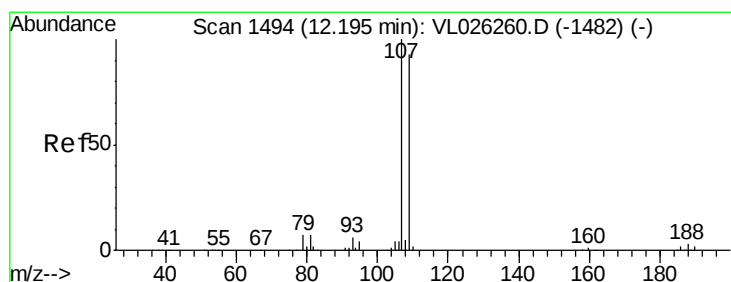
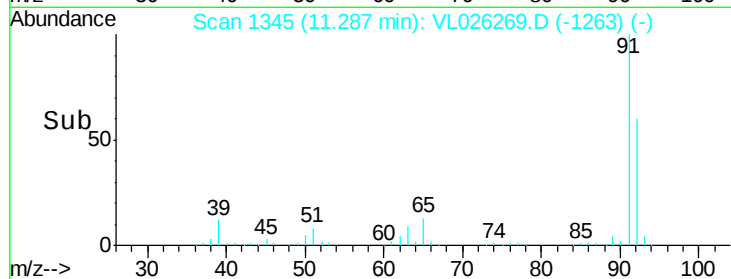
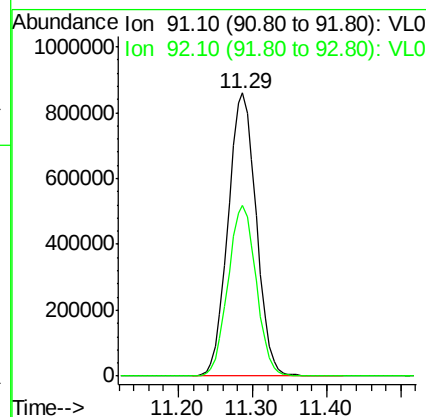
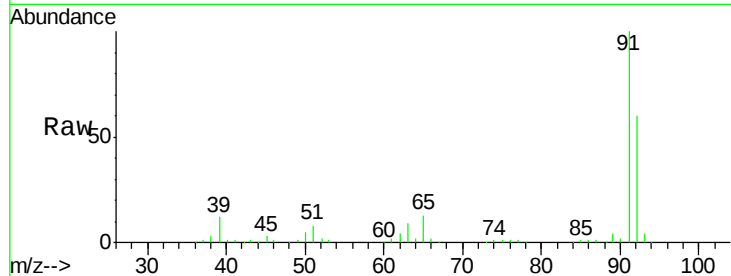
Ion Ratio Lower Upper

91 100

92 60.5 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 8.86 ppbv

RT: 12.19 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL026269.D

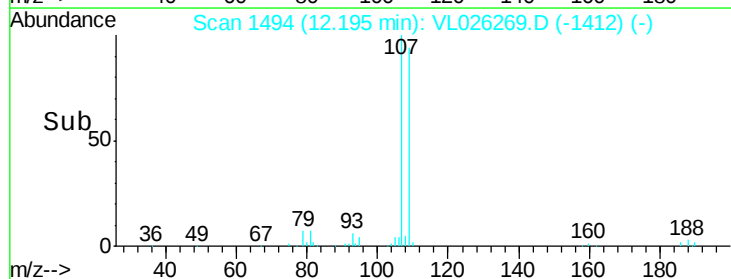
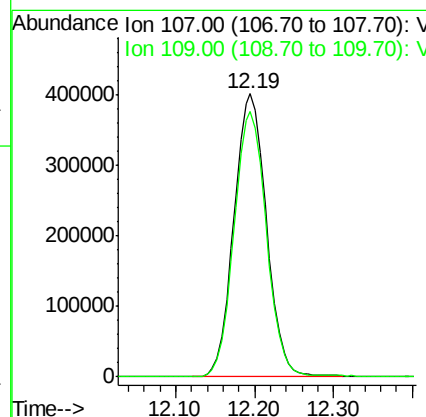
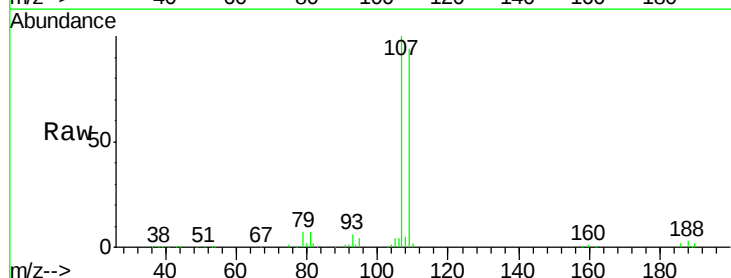
Acq: 29 Oct 2015 16:54

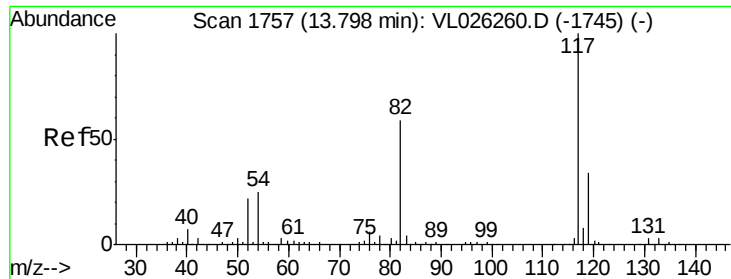
Tgt Ion: 107 Resp: 1149236

Ion Ratio Lower Upper

107 100

109 93.6 74.6 112.0





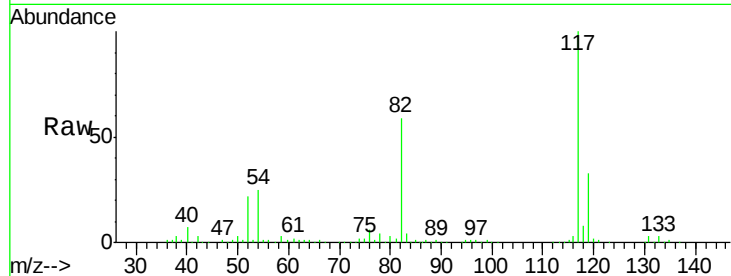
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

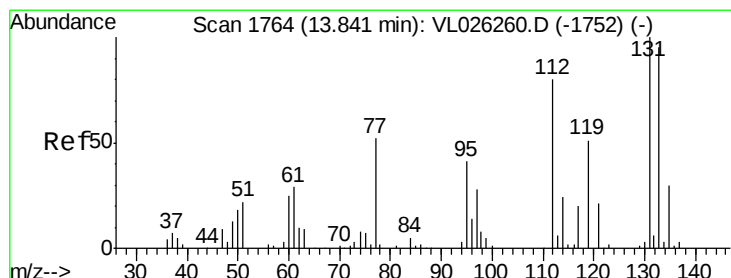
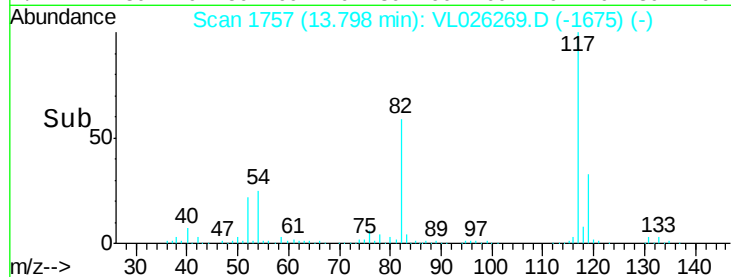
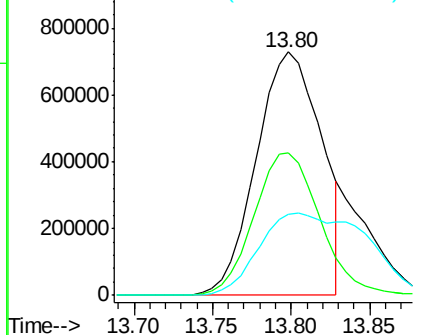
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.2	72.4
119	56.5	46.2	69.2

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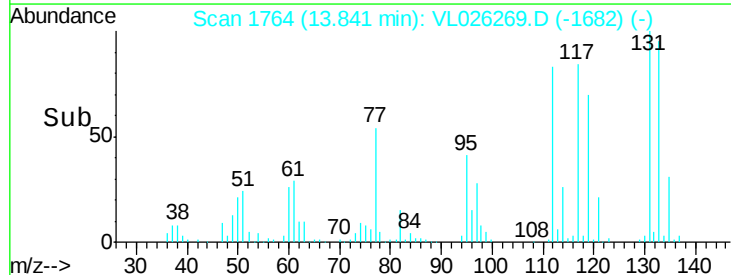
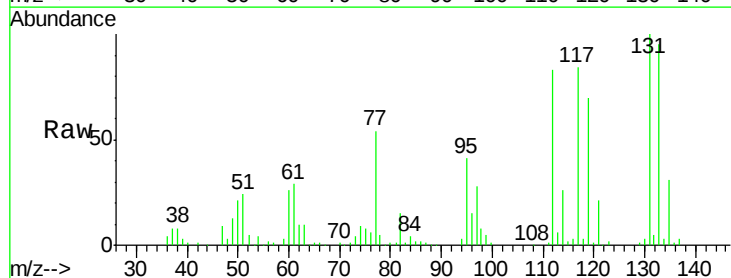
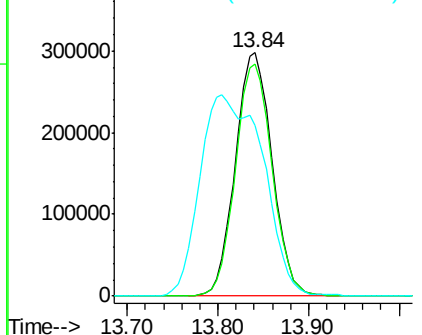
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

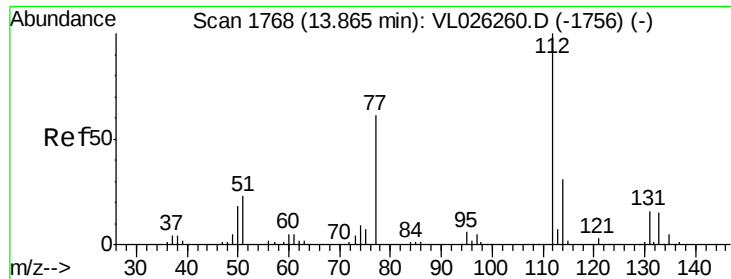


#56
1,1,1,2-Tetrachloroethane
Concen: 9.08 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.1	114.1
119	141.9	111.3	166.9

Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.62 ppbv

RT: 13.87 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion:112 Resp: 1803936

Ion Ratio Lower Upper

112 100

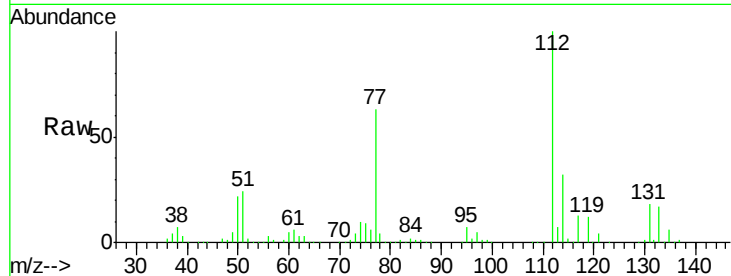
77 62.8 49.4 74.0

114 32.1 27.8 34.0

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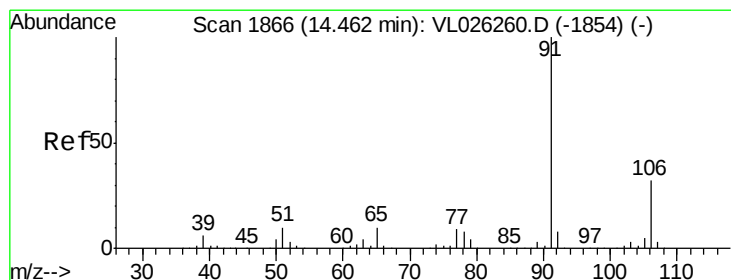
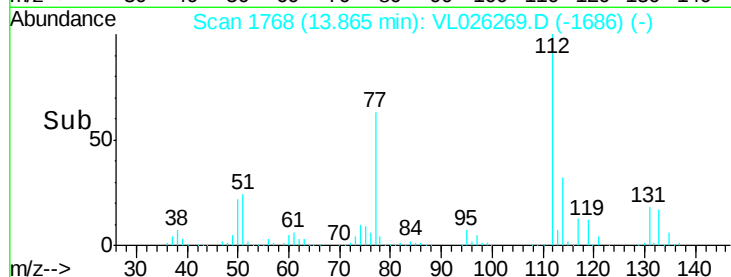
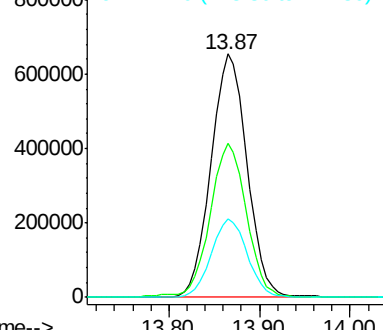
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.11 ppbv

RT: 14.46 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VL026269.D

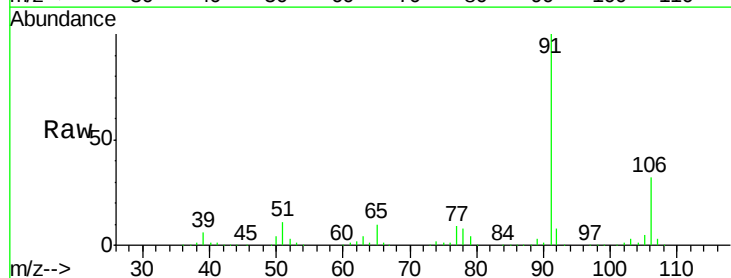
Acq: 29 Oct 2015 16:54

Tgt Ion: 91 Resp: 3158449

Ion Ratio Lower Upper

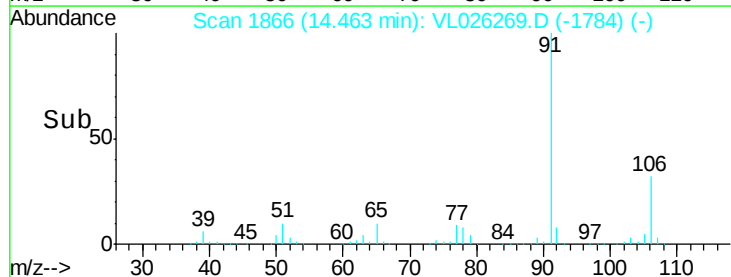
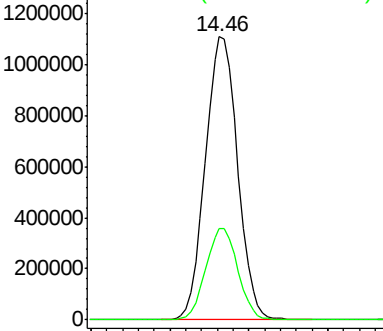
91 100

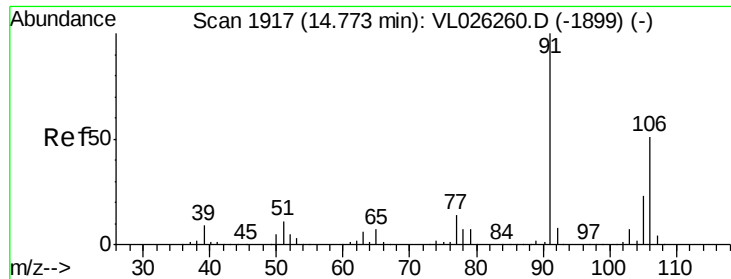
106 32.1 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





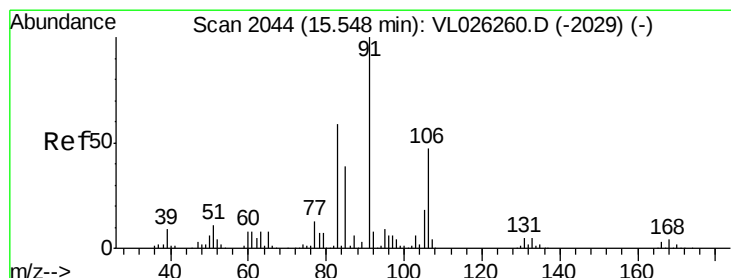
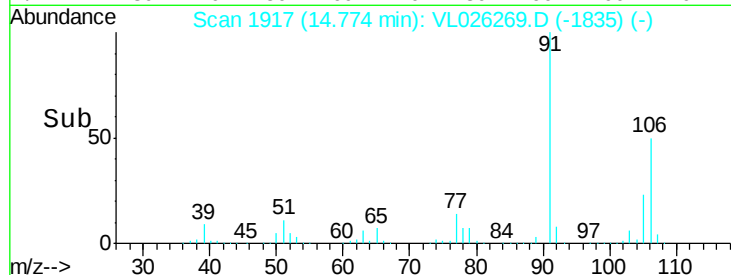
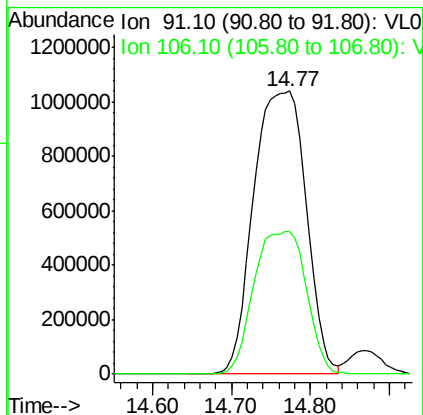
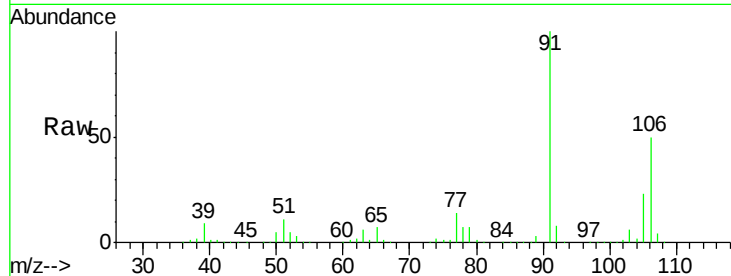
#59
m/p-Xylene
Concen: 17.47 ppbv
RT: 14.77 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion: 91 Resp: 4797952
Ion Ratio Lower Upper
91 100
106 50.6 0.0 0.0#

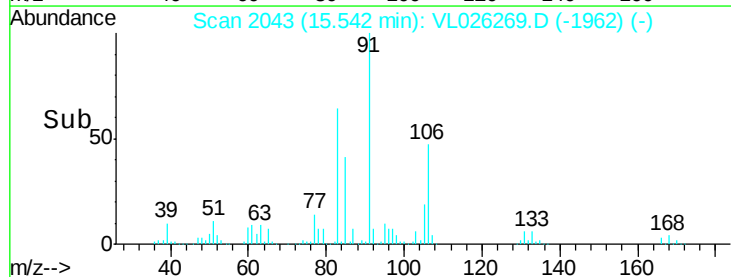
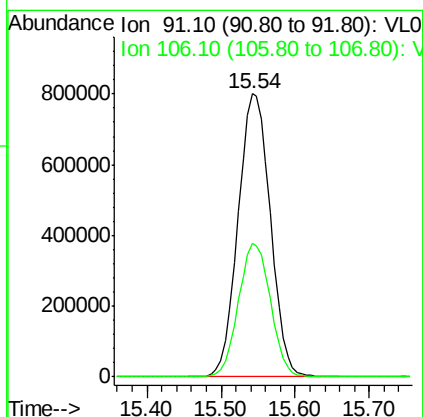
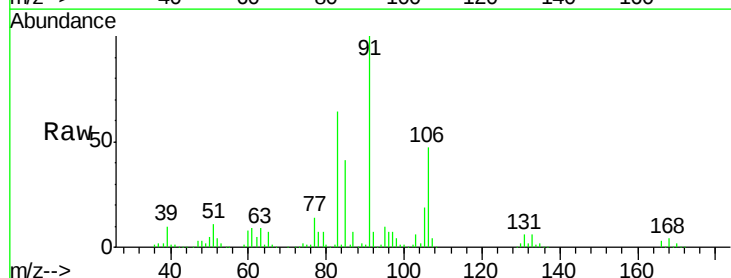
Manual Integrations
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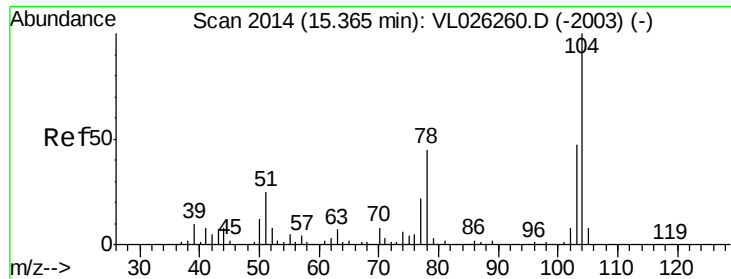
Mmdadoda
10/30/2015 12:06:40 PM



#60
o-Xylene
Concen: 8.49 ppbv
RT: 15.54 min Scan# 2043
Delta R.T. -0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 91 Resp: 2437631
Ion Ratio Lower Upper
91 100
106 47.0 23.6 70.8





#61

Stvrene

Concen: 9.99 ppbv

RT: 15.37 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion:104 Resp: 1219345

Ion Ratio Lower Upper

104 100

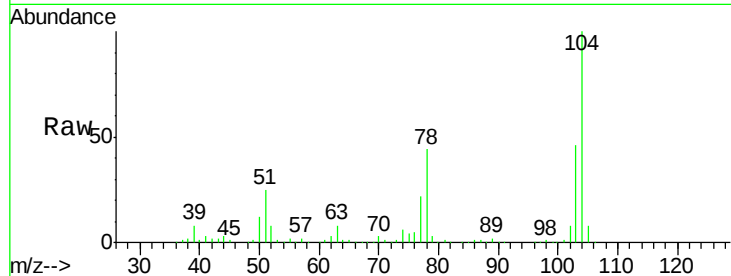
78 44.8 35.5 53.3

103 46.7 37.0 55.6

Manual Integrations
APPROVED

Mmdadoda

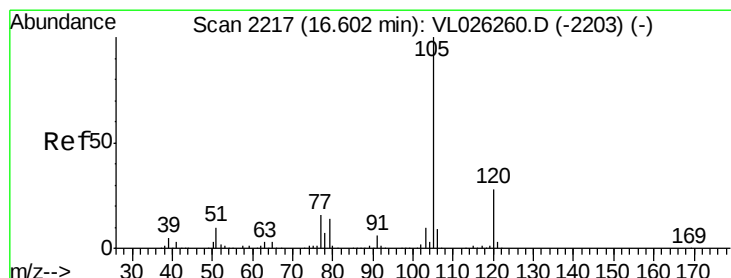
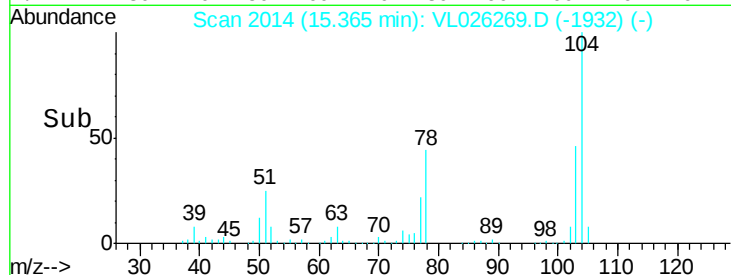
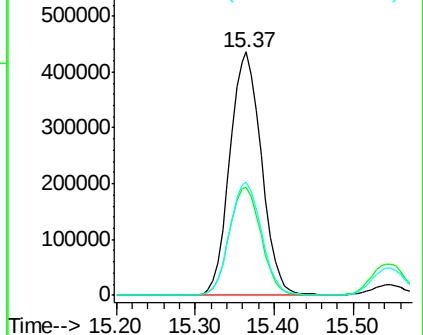
10/30/2015 12:06:40 PM



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: 8.76 ppbv

RT: 16.60 min Scan# 2216

Delta R.T. -0.01 min

Lab File: VL026269.D

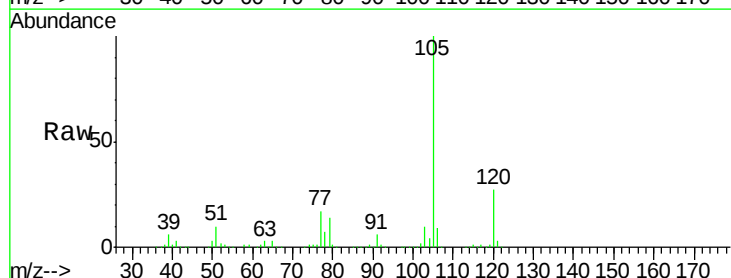
Acq: 29 Oct 2015 16:54

Tgt Ion:105 Resp: 3415379

Ion Ratio Lower Upper

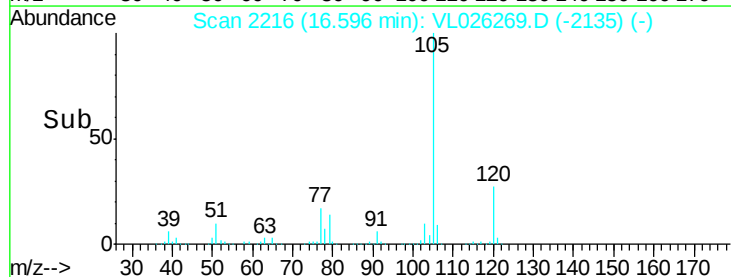
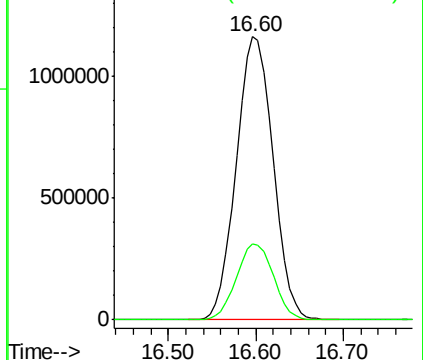
105 100

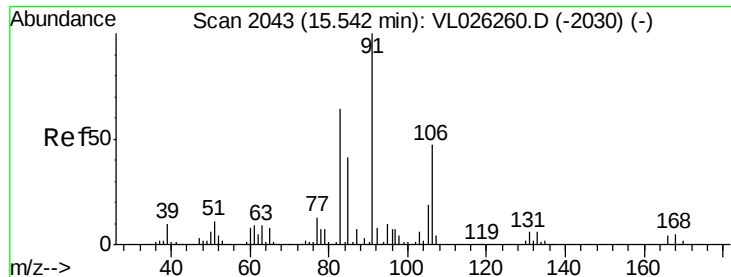
120 27.0 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.34 ppbv

RT: 15.54 min Scan# 2043

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 83 Resp: 1640389

Ion Ratio Lower Upper

83 100

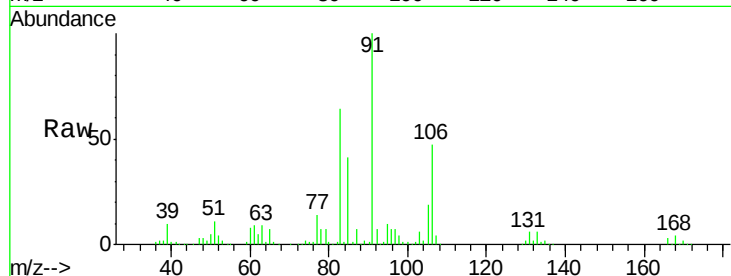
131 9.3 4.6 13.8

85 64.8 32.4 97.2

Manual Integrations
APPROVED

Mmdadoda

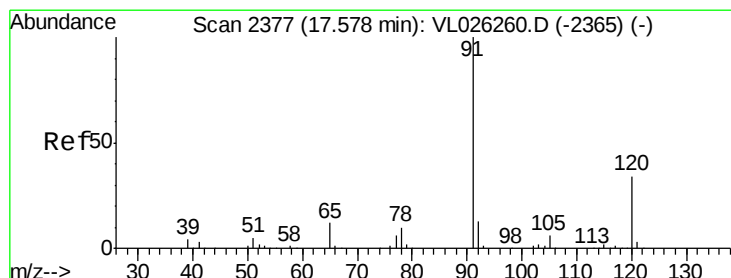
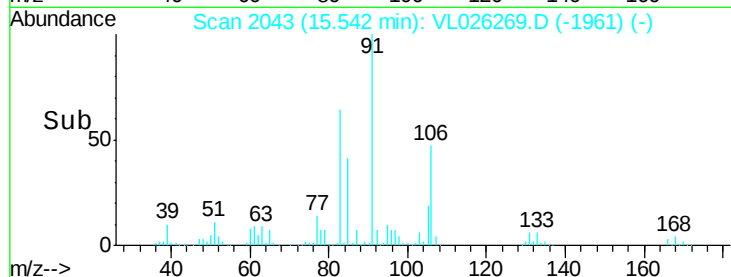
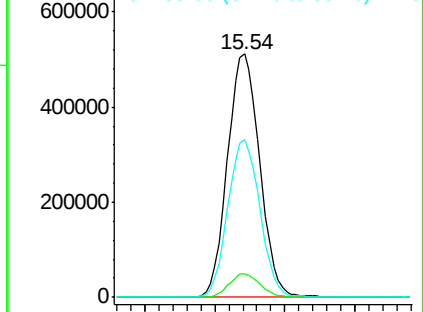
10/30/2015 12:06:40 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.93 ppbv

RT: 17.58 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VL026269.D

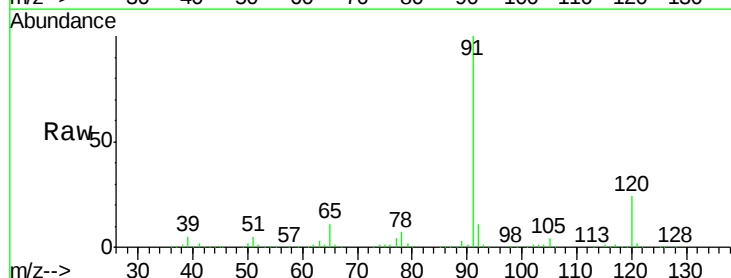
Acq: 29 Oct 2015 16:54

Tgt Ion:120 Resp: 945328

Ion Ratio Lower Upper

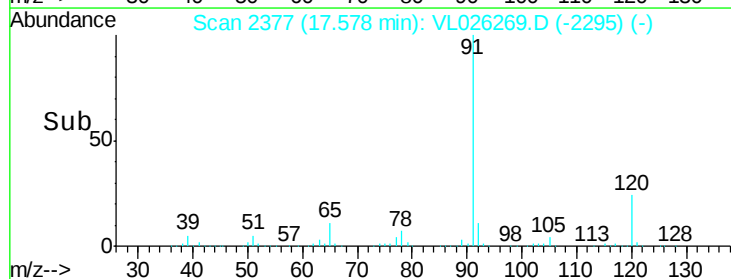
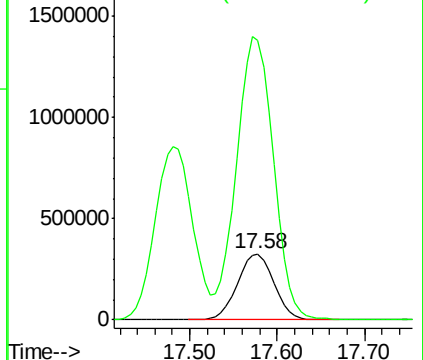
120 100

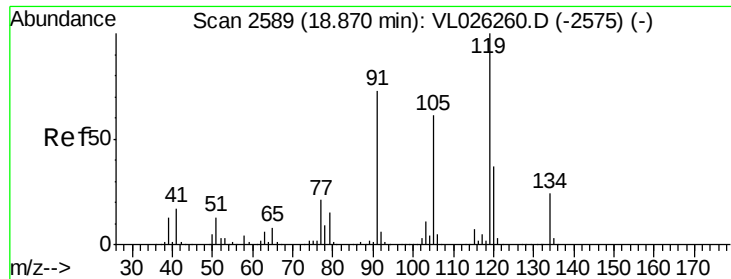
91 443.4 340.8 511.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





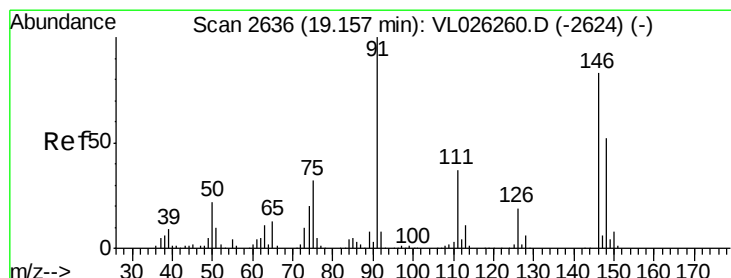
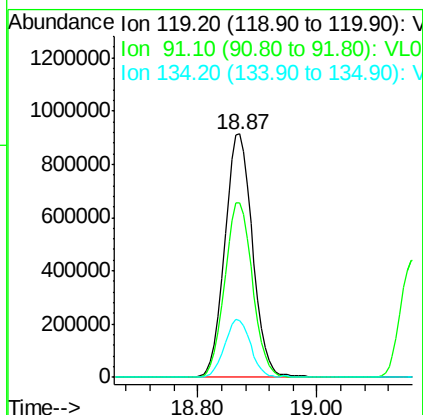
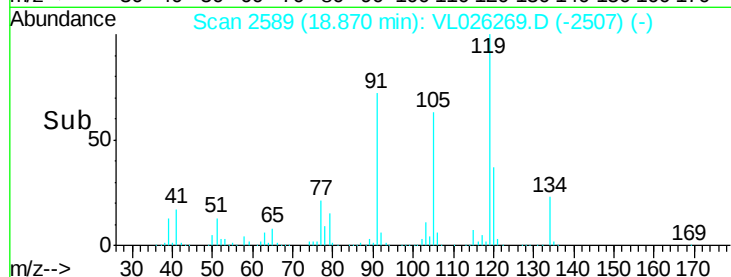
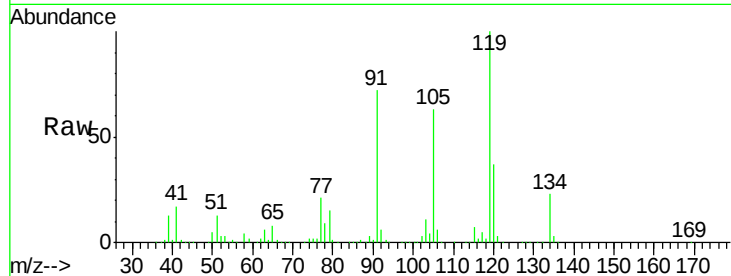
#65
tert-Butylbenzene
Concen: 8.36 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion: 119 Resp: 2941622
Ion Ratio Lower Upper
119 100
91 72.2 57.7 86.5
134 22.5 18.0 27.0

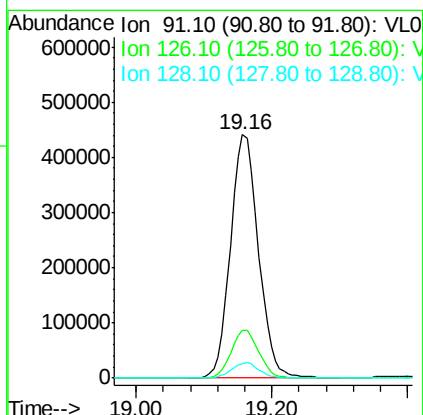
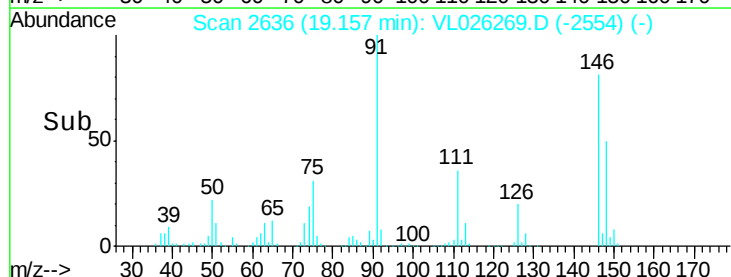
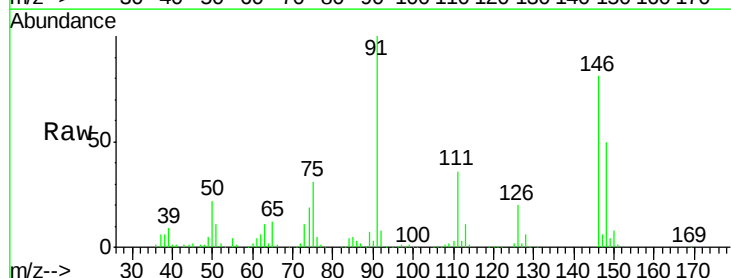
Manual Integrations
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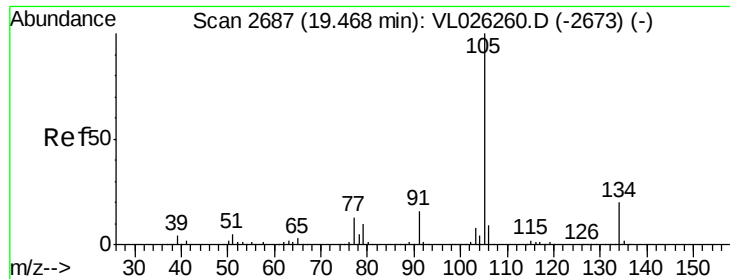
Mmdadoda
10/30/2015 12:06:40 PM



#66
Benzyl Chloride
Concen: 11.42 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 91 Resp: 1251731
Ion Ratio Lower Upper
91 100
126 19.5 15.8 23.8
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 8.57 ppbv

RT: 19.46 min Scan# 2686

Delta R.T. -0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 105 Resp: 4275489

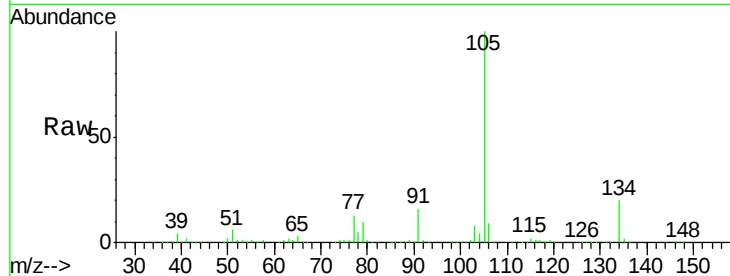
Ion Ratio Lower Upper

105 100

134 20.0 16.0 24.0

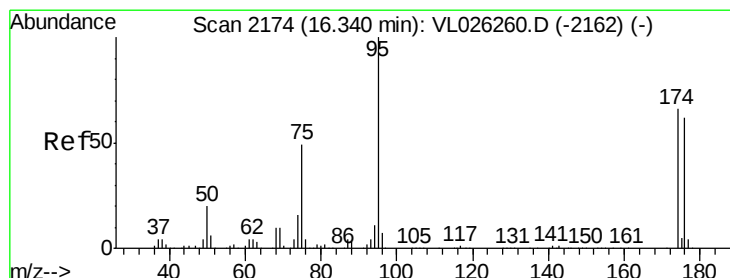
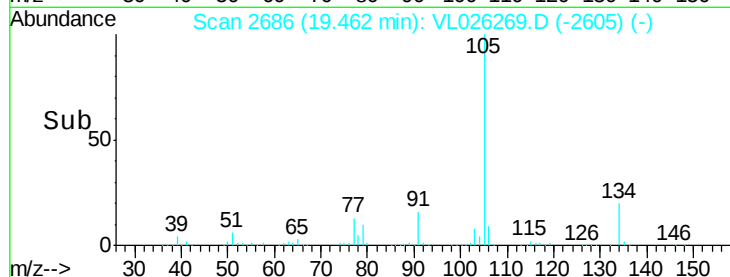
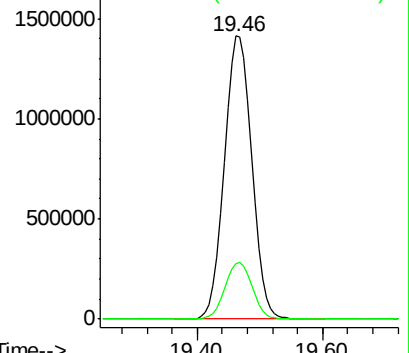
Manual Integrations
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Mmdadoda
10/30/2015 12:06:40 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.04 ppbv

RT: 16.34 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

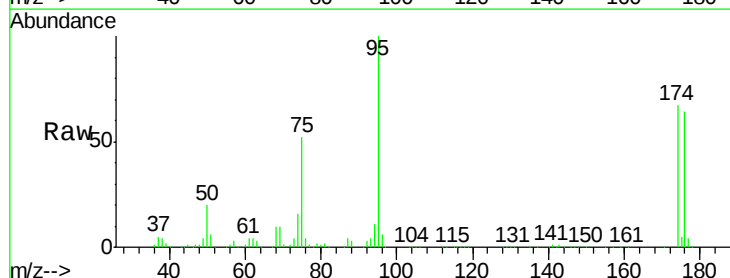
Tgt Ion: 95 Resp: 1607042

Ion Ratio Lower Upper

95 100

174 66.3 52.9 79.3

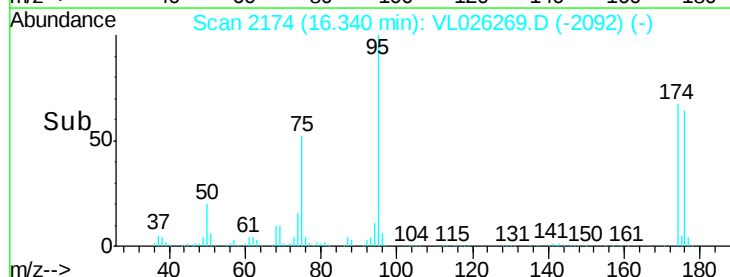
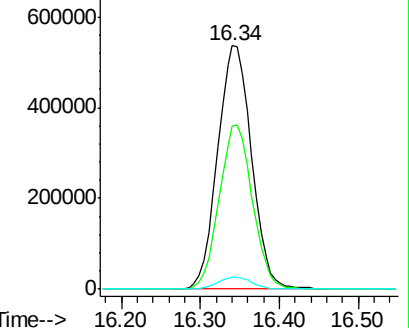
175 5.0 3.8 5.8

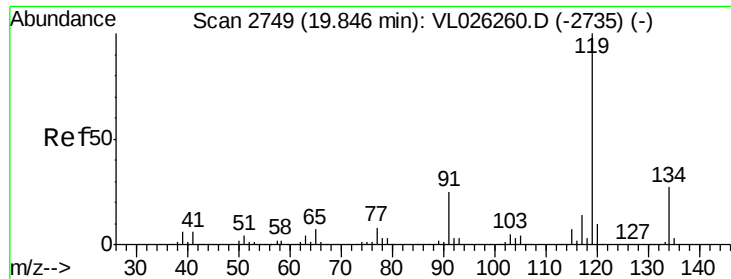


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





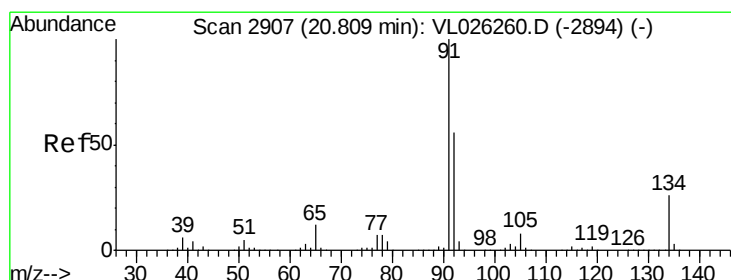
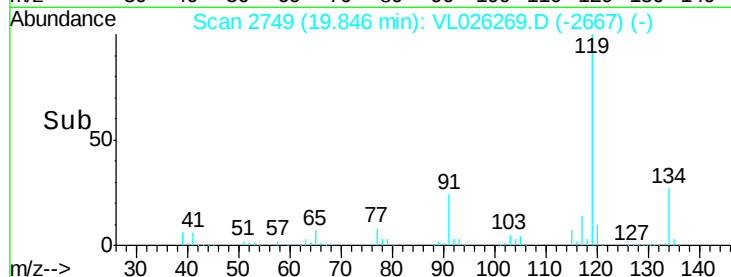
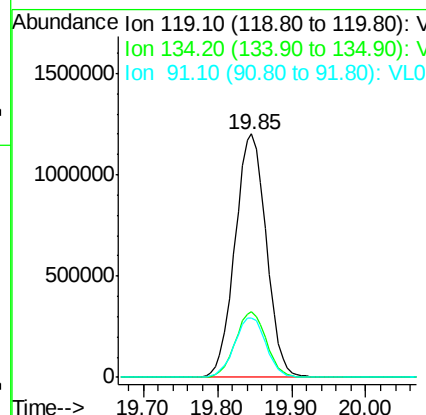
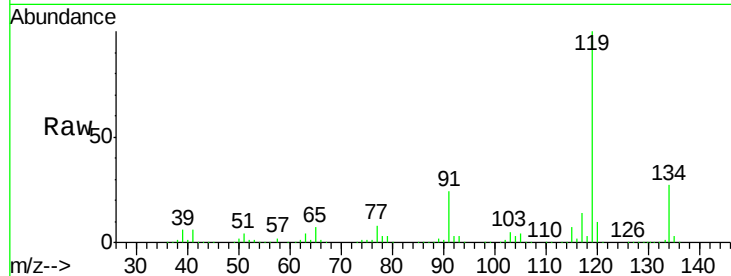
#69
p-Isopropyltoluene
Concen: 8.69 ppbv
RT: 19.85 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.3	31.9
91	24.6	19.6	29.4

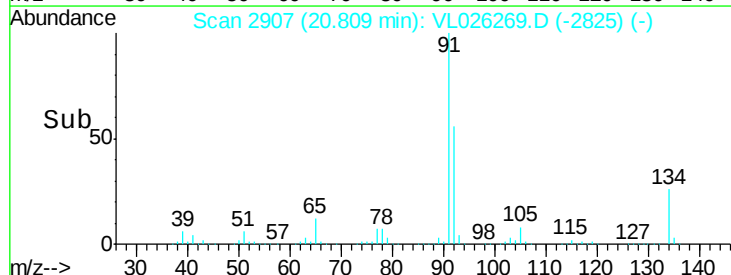
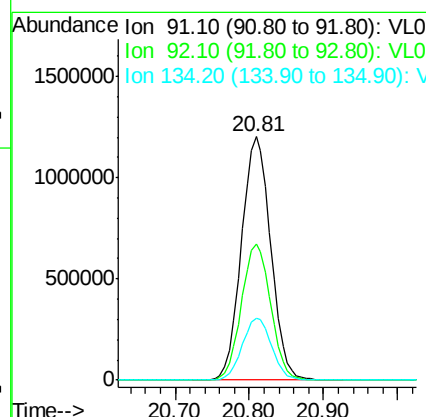
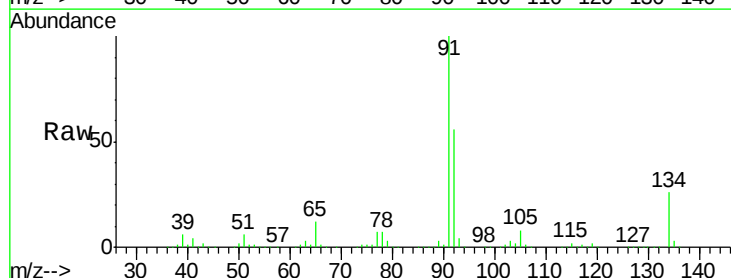
Manual Integrations
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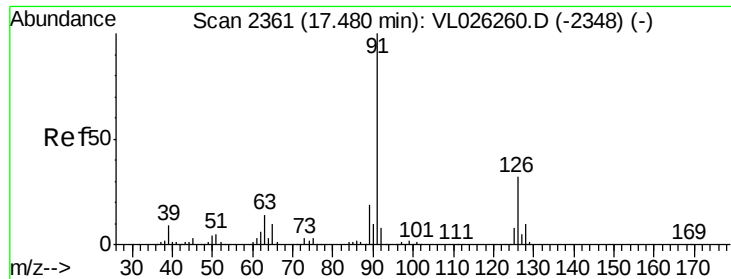
Mmdadoda
10/30/2015 12:06:40 PM



#70
n-Butylbenzene
Concen: 8.60 ppbv
RT: 20.81 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	44.9	67.3
134	25.5	20.5	30.7





#71

2-Chlorotoluene

Concen: 8.89 ppbv

RT: 17.48 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion: 91 Resp: 2556638

Ion Ratio Lower Upper

91 100

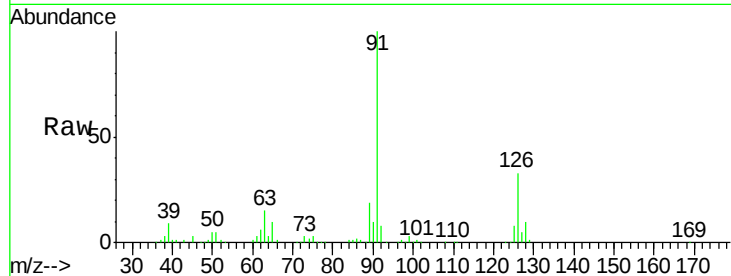
126 32.4 12.8 51.0

Manual Integrations

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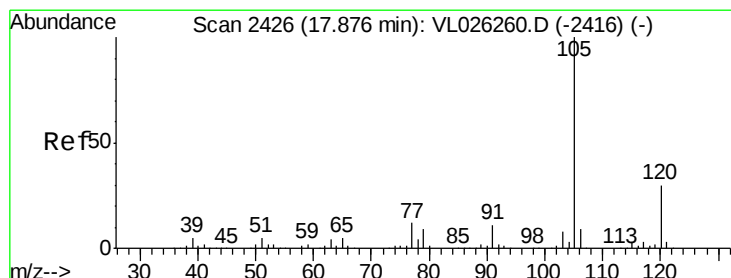
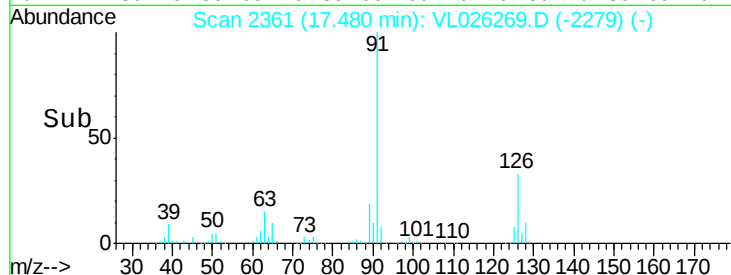
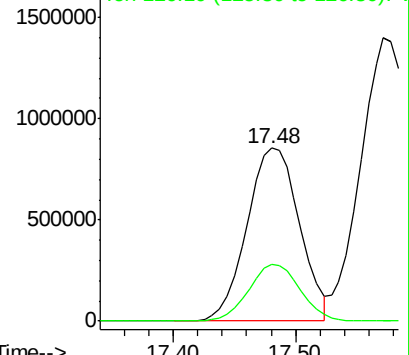
Mmdadoda

10/30/2015 12:06:40 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.95 ppbv

RT: 17.88 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion: 105 Resp: 2885259

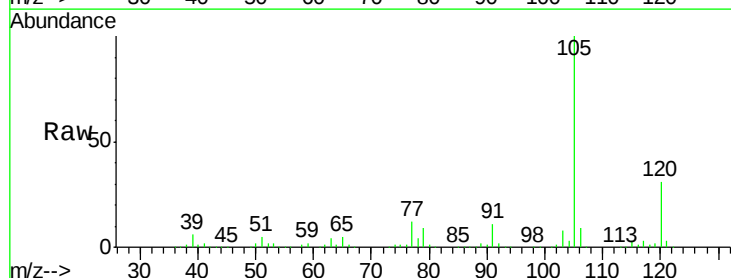
Ion Ratio Lower Upper

105 100

120 31.4 25.1 37.7

91 11.5 9.1 13.7

77 12.2 9.7 14.5

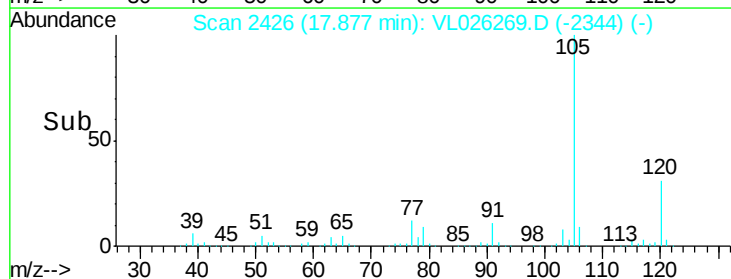
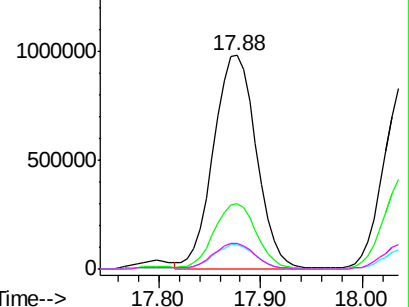


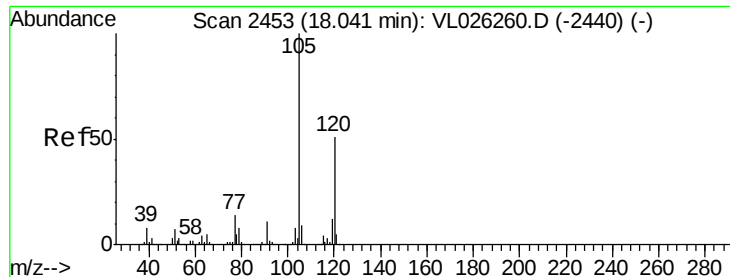
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 8.70 ppbv

RT: 18.04 min Scan# 2453

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

VL1029ABS01

Tot Ion:105 Resp: 2648069

Ion Ratio Lower Upper

105 100

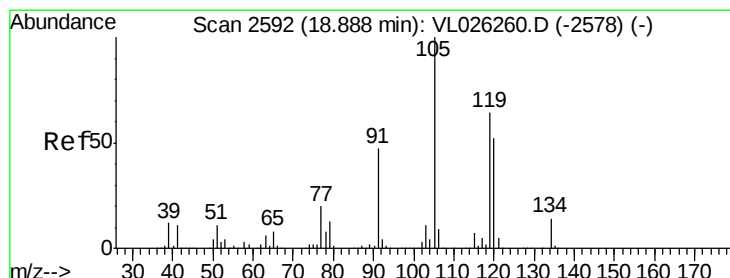
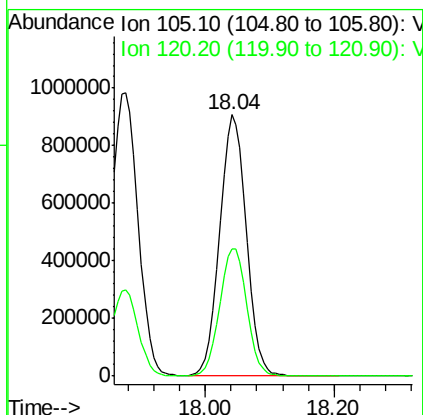
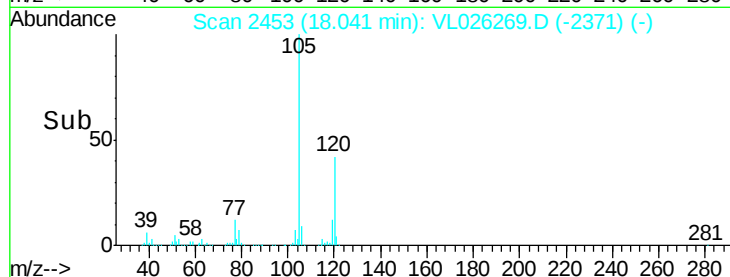
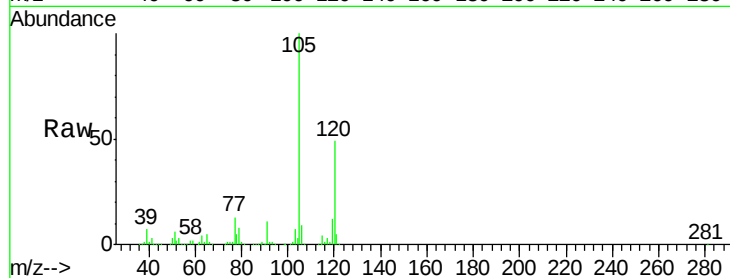
120 48.7 40.6 61.0

Manual Integrations

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Mmdadoda

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#74

1,2,4-Trimethylbenzene

Concen: 8.31 ppbv

RT: 18.89 min Scan# 2592

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion:105 Resp: 2646697

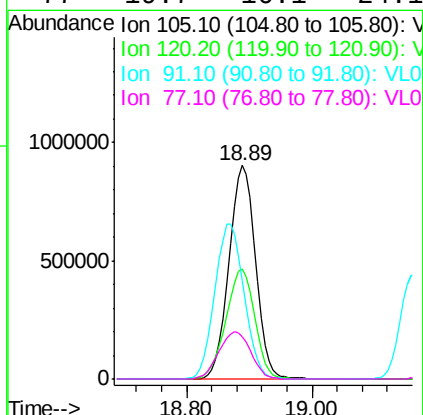
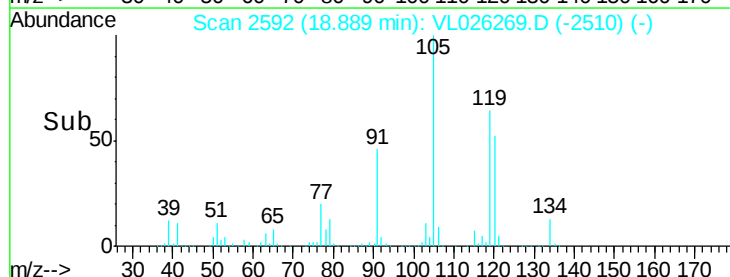
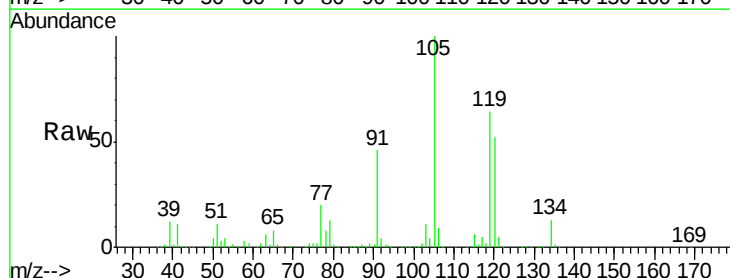
Ion Ratio Lower Upper

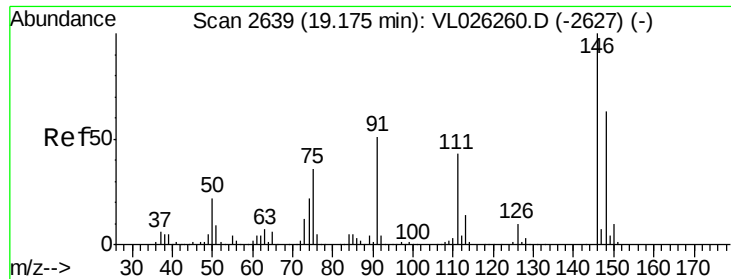
105 100

120 51.6 41.2 61.8

91 46.0 37.8 56.8

77 19.7 16.1 24.1





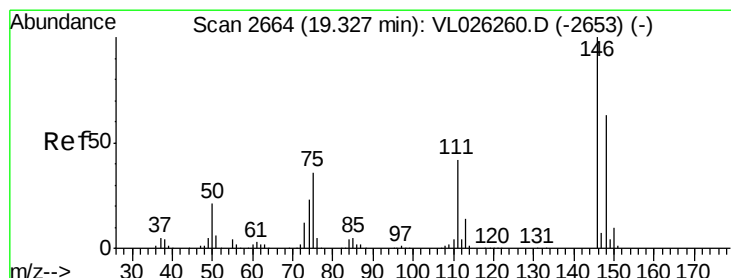
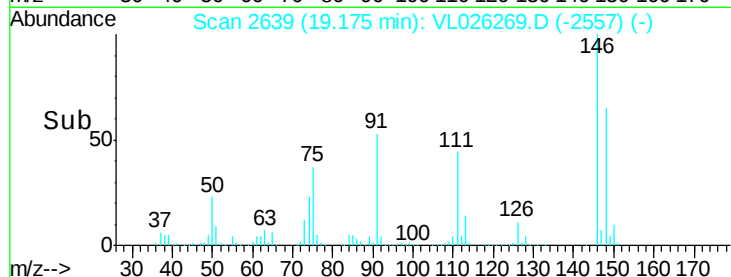
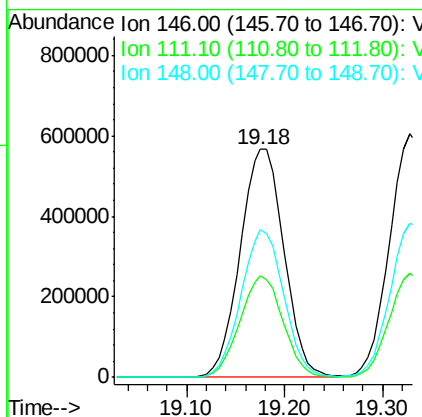
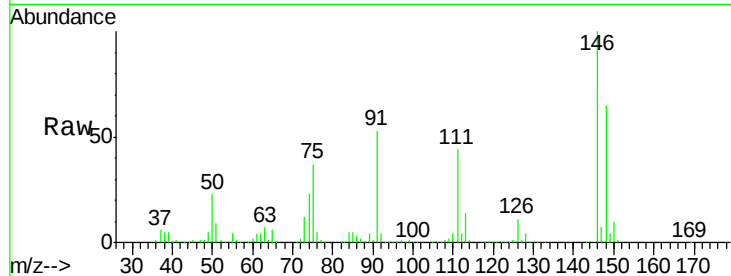
#75
 1,3-Dichlorobenzene
 Concen: 8.55 ppbv
 RT: 19.18 min Scan# 2639
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion:146 Resp: 1763203
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.9 65.5
 148 63.2 31.8 95.3

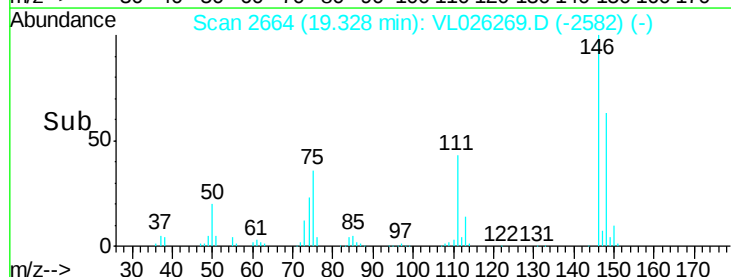
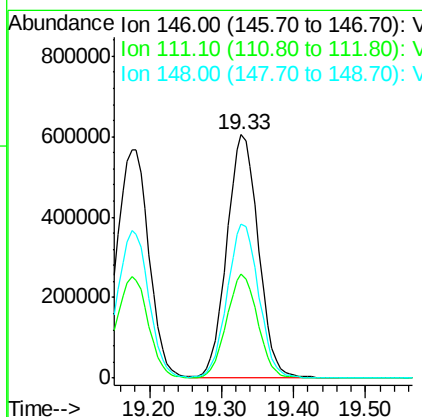
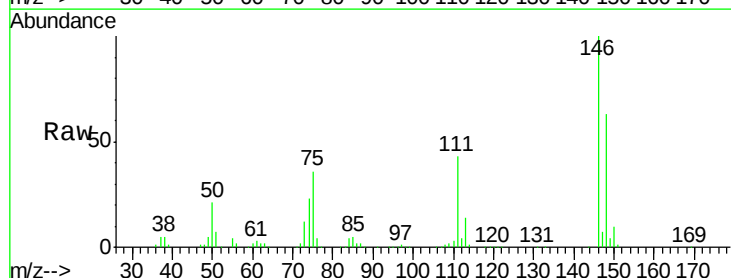
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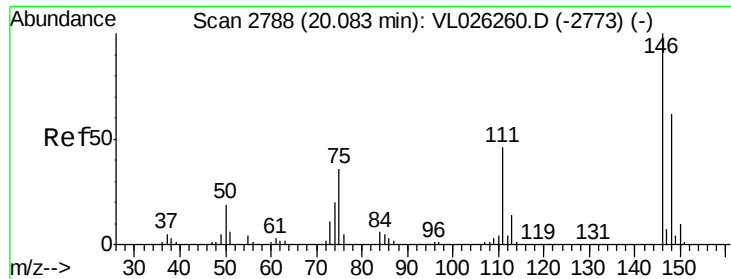
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#76
 1,4-Dichlorobenzene
 Concen: 8.76 ppbv
 RT: 19.33 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion:146 Resp: 1837587
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.1 63.4
 148 63.6 31.8 95.3





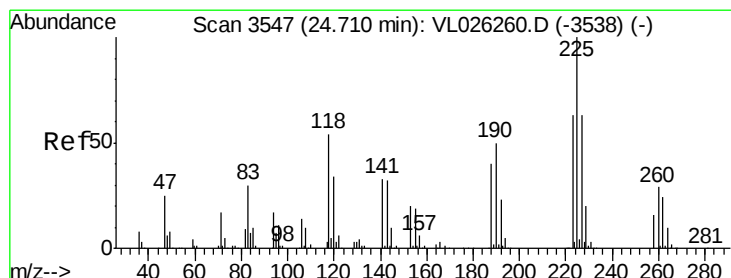
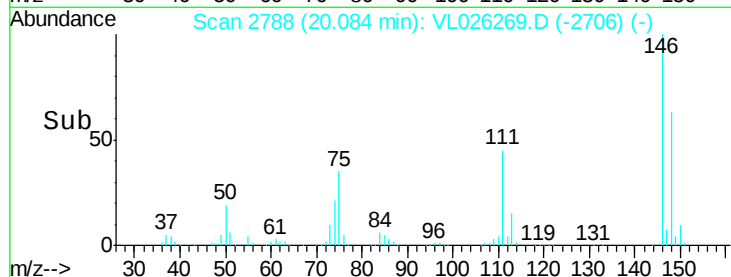
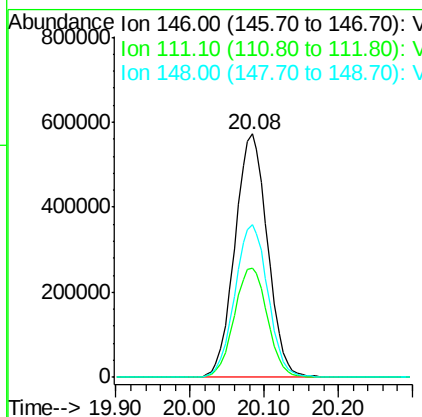
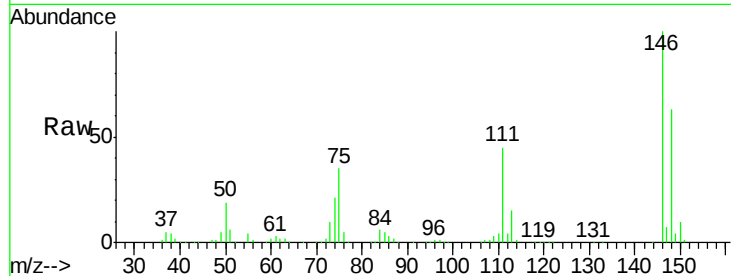
#77
 1,2-Dichlorobenzene
 Concen: 8.57 ppbv
 RT: 20.08 min Scan# 2788
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.8	68.3
148	63.5	31.6	94.8

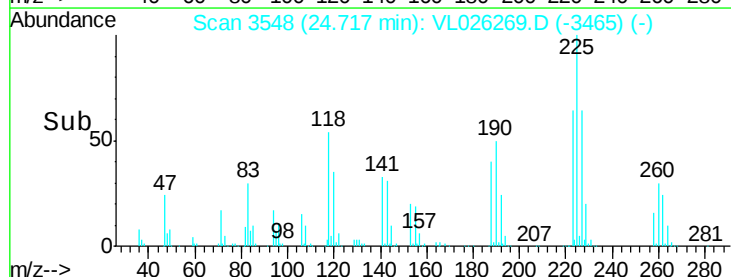
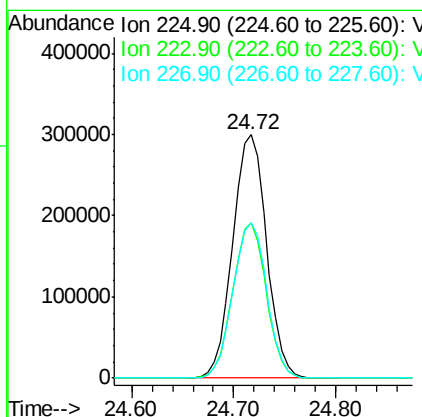
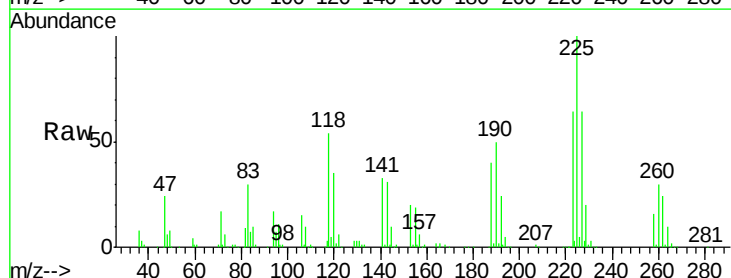
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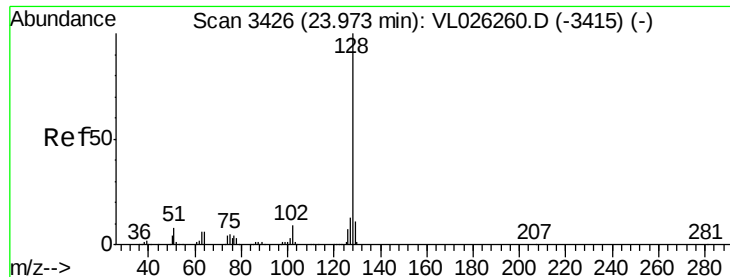
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.26 ppbv
 RT: 24.72 min Scan# 3548
 Delta R.T. 0.01 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.0	76.6
227	63.8	51.3	76.9





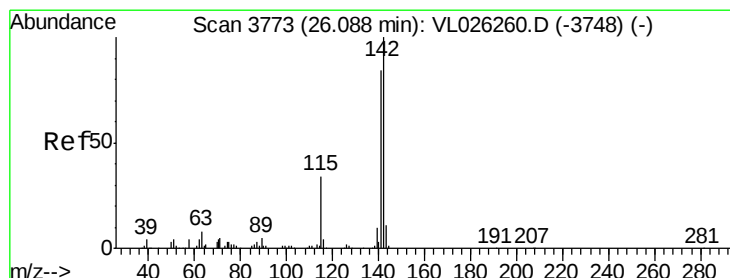
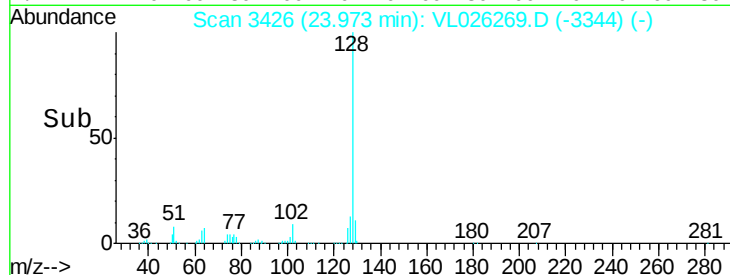
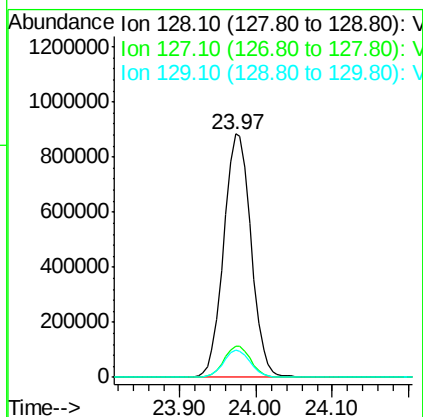
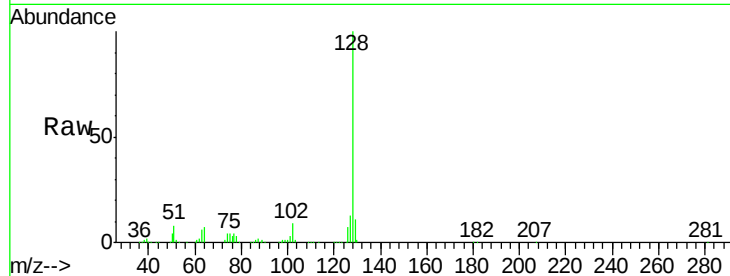
#79
Naphthalene
Concen: 9.62 ppbv
RT: 23.97 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :
VL1029ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.2	8.8	13.2

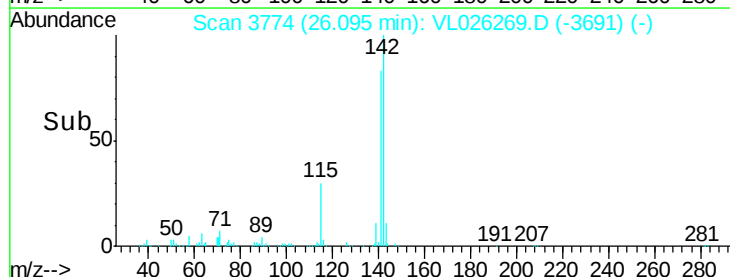
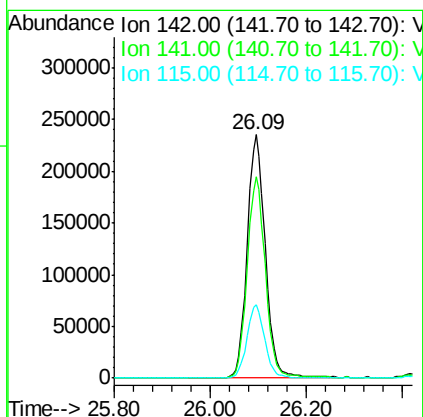
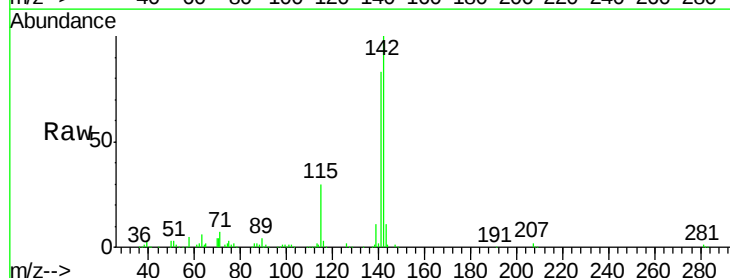
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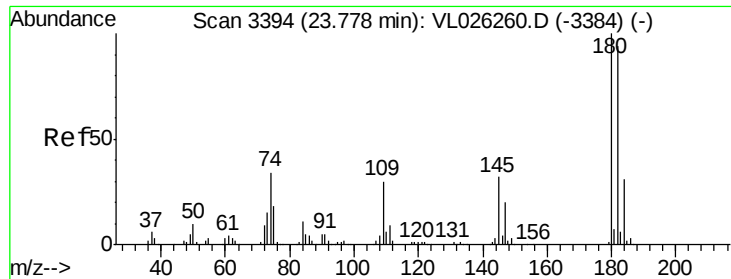
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#80
Naphthalene, 2-methyl-
Concen: 14.77 ppbv
RT: 26.09 min Scan# 3774
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.7	66.1	99.1
115	30.3	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 9.05 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1029ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.0	114.0
184	30.5	24.2	36.4

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