

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027271.D
 Acq On : 17 Sep 2015 23:29
 Operator : MD\FY
 Sample : VN0917WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:24:02 PM

Quant Time: Sep 18 07:00:11 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	520608	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	997998	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	840478	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	315075	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	535892	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
36) Dibromofluoromethane	7.68	113	342440	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
51) Toluene-d8	10.19	98	1319730	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
63) 4-Bromofluorobenzene	12.52	95	456960	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	120137	19.29	ug/l	99
3) Chlorodifluoromethane	1.82	51	140987	19.56	ug/l	94
4) Chloromethane	2.01	50	138694	20.55	ug/l	100
5) Vinyl Chloride	2.14	62	151849	20.64	ug/l	99
6) Bromomethane	2.54	94	63506	18.62	ug/l	98
7) Chloroethane	2.69	64	101134	20.22	ug/l	99
8) Trichlorofluoromethane	3.02	101	221101	19.90	ug/l	98
9) Diethyl Ether	3.42	74	100834	19.72	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	141403	20.26	ug/l	97
11) Methyl Iodide	3.99	142	104739	15.44	ug/l	93
12) Tert butyl alcohol	4.80	59	96218	92.24	ug/l	96
13) 1,1-Dichloroethene	3.77	96	136223	20.38	ug/l	96
14) Acrolein	3.62	56	102704	83.82	ug/l	98
15) Allyl chloride	4.37	41	254717	18.87	ug/l #	82
16) Acrylonitrile	5.03	53	338184	99.15	ug/l	98
17) Acetone	3.83	43	266562	92.69	ug/l	96
18) Carbon Disulfide	4.11	76	398286	18.30	ug/l	99
19) Methyl Acetate	4.36	43	424422	20.38	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	535274	19.95	ug/l	97
21) Methylene Chloride	4.60	84	163091	20.36	ug/l	97
22) trans-1,2-Dichloroethene	5.12	96	147269	20.37	ug/l	96
23) Diisopropyl ether	6.04	45	567034	20.02	ug/l #	87
24) Vinyl Acetate	5.97	43	890537	94.98	ug/l	97
25) 1,1-Dichloroethane	5.93	63	327445	19.90	ug/l	100
26) 2-Butanone	6.92	43	422188	97.48	ug/l	99
27) 2,2-Dichloropropane	6.92	77	230742	16.16	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	170482	20.56	ug/l	97
29) Bromochloromethane	7.29	49	133588	20.91	ug/l	98
30) Tetrahydrofuran	7.32	42	278431	93.29	ug/l	90
31) Chloroform	7.46	83	307689	20.69	ug/l	99
32) Cyclohexane	7.77	56	309974	20.62	ug/l #	88
33) 1,1,1-Trichloroethane	7.67	97	271755	20.50	ug/l	96
37) 1,1-Dichloropropene	7.89	75	227228	19.45	ug/l	99
38) Ethyl Acetate	7.02	43	192273	18.69	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027271.D
 Acq On : 17 Sep 2015 23:29
 Operator : MD\FY
 Sample : VN0917WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
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 VN0917WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:24:02 PM

Quant Time: Sep 18 07:00:11 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	213349	19.42	ug/l	99
40) Methylcyclohexane	9.19	83	267642	18.81	ug/l	97
41) Benzene	8.14	78	679094	19.92	ug/l	100
42) Methacrylonitrile	7.24	41	107888	19.10	ug/l #	88
43) 1,2-Dichloroethane	8.22	62	266482	19.41	ug/l	97
44) Isopropyl Acetate	8.25	43	358737	19.22	ug/l	99
45) Trichloroethene	8.94	130	137895	20.14	ug/l	93
46) 1,2-Dichloropropane	9.22	63	188776	19.25	ug/l	97
47) Dibromomethane	9.31	93	111991	19.45	ug/l	94
48) Bromodichloromethane	9.50	83	238209	19.63	ug/l	98
49) Methyl methacrylate	9.29	41	170884	18.37	ug/l #	86
50) 1,4-Dioxane	9.30	88	38543	353.32	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	940219	95.25	ug/l	99
53) Toluene	10.26	92	394875	19.78	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	242320	17.78	ug/l	100
55) cis-1,3-Dichloropropene	9.93	75	272029	18.35	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	149198	19.88	ug/l	98
57) Ethyl methacrylate	10.52	69	241531	19.10	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	280282	20.12	ug/l	100
59) 2-Chloroethyl Vinyl ether	9.78	63	533975	91.97	ug/l	96
60) 2-Hexanone	10.84	43	624350	92.91	ug/l	100
61) Dibromochloromethane	11.00	129	142653	18.62	ug/l	100
62) 1,2-Dibromoethane	11.11	107	143832	19.51	ug/l	99
65) Tetrachloroethene	10.74	164	107108	19.93	ug/l	95
66) Chlorobenzene	11.54	112	391468	19.73	ug/l	98
67) 1,1,1,2-Tetrachloroethane	11.62	131	132855	19.63	ug/l	98
68) Ethyl Benzene	11.62	91	733086	19.48	ug/l	99
69) m/p-Xylenes	11.73	106	507654	39.11	ug/l	90
70) o-Xylene	12.06	106	252419	19.40	ug/l	89
71) Styrene	12.07	104	409671	19.50	ug/l	94
72) Bromoform	12.24	173	86567	18.39	ug/l #	100
74) Isopropylbenzene	12.36	105	691119	19.91	ug/l	99
75) N-amyl acetate	12.17	43	289170	18.66	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	202069	20.51	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	187617m	19.70	ug/l	
78) Bromobenzene	12.64	156	133791	19.65	ug/l	93
79) n-propylbenzene	12.71	91	803710	19.68	ug/l	98
80) 2-Chlorotoluene	12.79	91	486948	19.85	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	547927	19.64	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	62516	16.13	ug/l	93
83) 4-Chlorotoluene	12.89	91	482005	20.00	ug/l	94
84) tert-Butylbenzene	13.11	119	447380	19.44	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	549168	19.60	ug/l	95
86) sec-Butylbenzene	13.29	105	660781	19.60	ug/l	99
87) p-Isopropyltoluene	13.41	119	498071	19.18	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	231000	19.83	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	228230	19.34	ug/l	95
90) n-Butylbenzene	13.74	91	469544	18.63	ug/l	99
91) Hexachloroethane	14.01	117	101813	17.92	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	234788	20.39	ug/l	96

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Manual Integrations
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MMDadoda
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Quant Time: Sep 18 07:00:11 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	37751	18.16	ug/l	87
94) 1,2,4-Trichlorobenzene	15.05	180	117871	18.95	ug/l	98
95) Hexachlorobutadiene	15.16	225	62710	19.14	ug/l	98
96) Naphthalene	15.29	128	337265	18.50	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	119454	19.32	ug/l	98

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

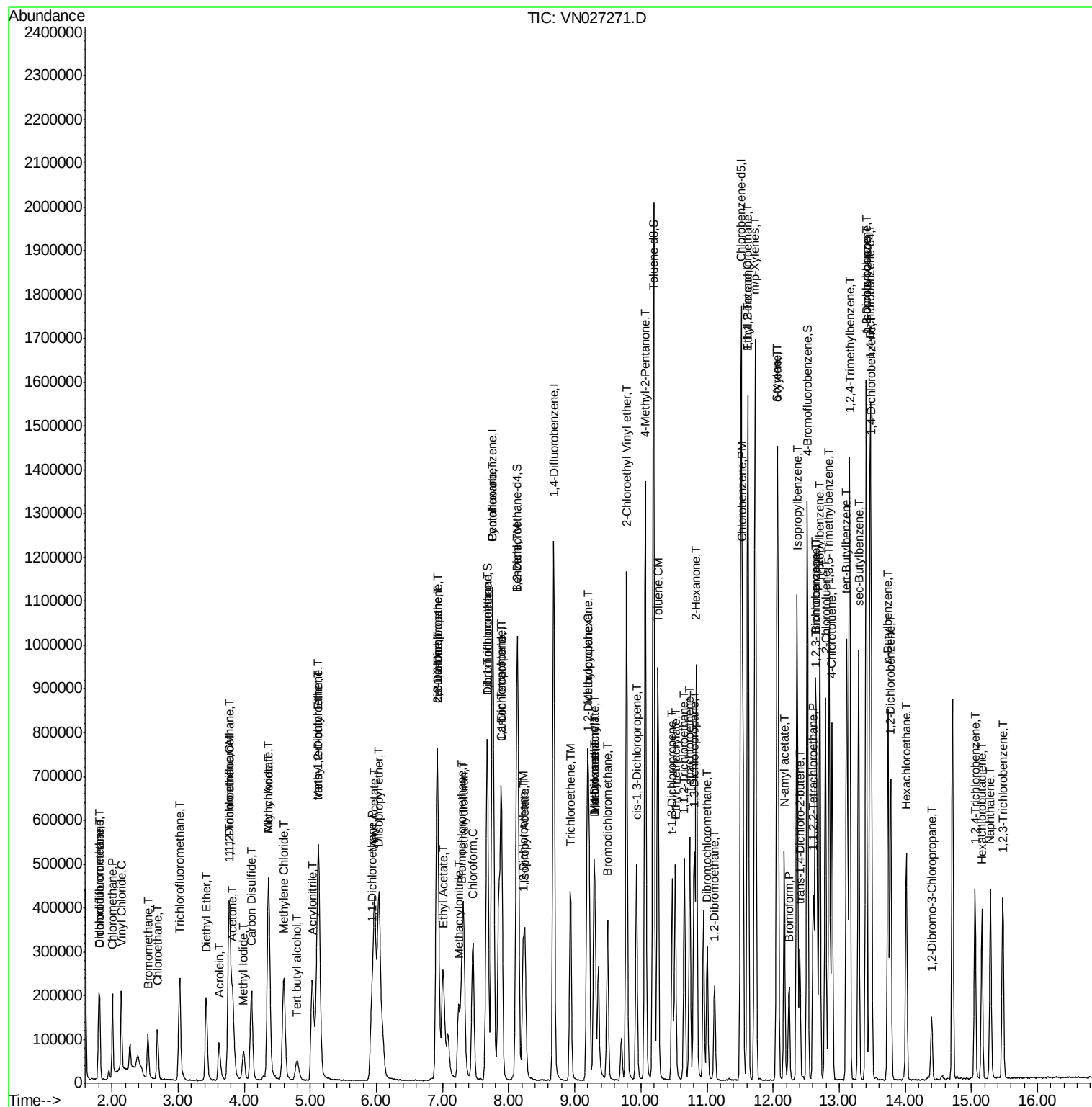
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Data File : VN027271.D
Acq On : 17 Sep 2015 23:29
Operator : MD\FY
Sample : VN0917WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

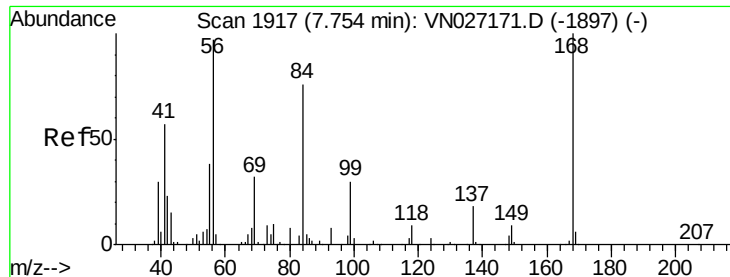
Instrument :
MSVOA_N
Client Sample Id :
VN0917WBSD02

Manual Integrations
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MMDadoda
9/18/2015 12:24:02 PM

Quant Time: Sep 18 07:00:11 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion:168 Resp: 520608

Ion Ratio Lower Upper

168 100

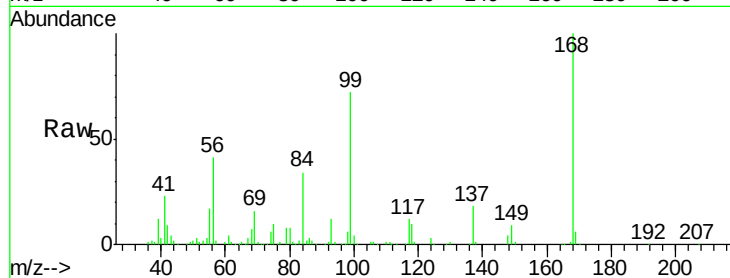
99 71.5 50.4 75.6

Manual Integrations

APPROVED

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9/18/2015 12:24:02 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

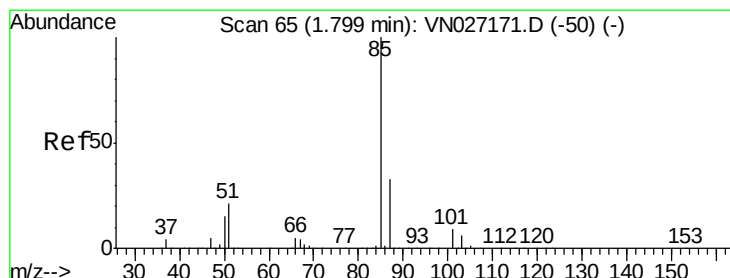
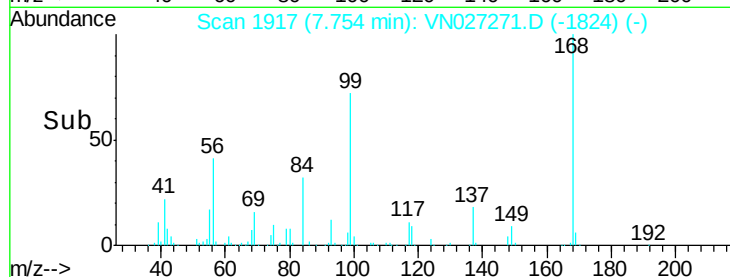
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.29 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027271.D

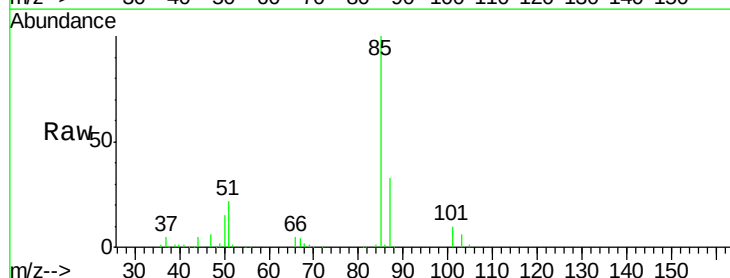
Acq: 17 Sep 2015 23:29

Tgt Ion: 85 Resp: 120137

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

100000

80000

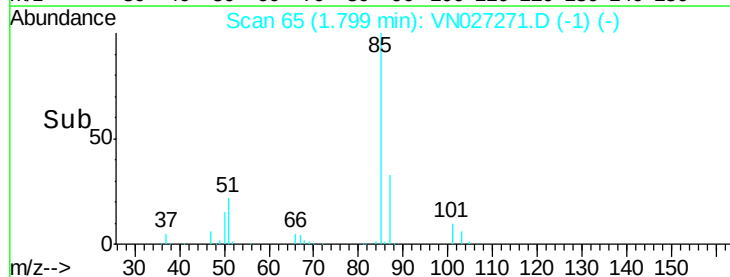
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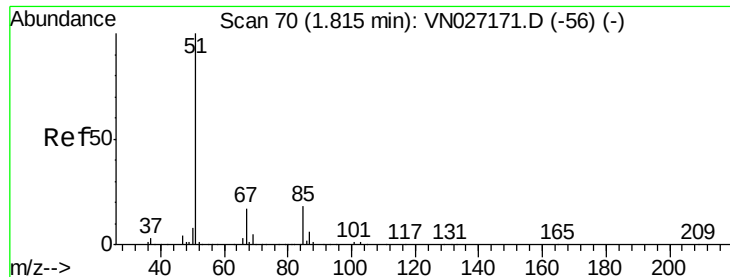
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20000

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Time-->





#3

Chlorodifluoromethane

Concen: 19.56 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 51 Resp: 140987

Ion Ratio Lower Upper

51 100

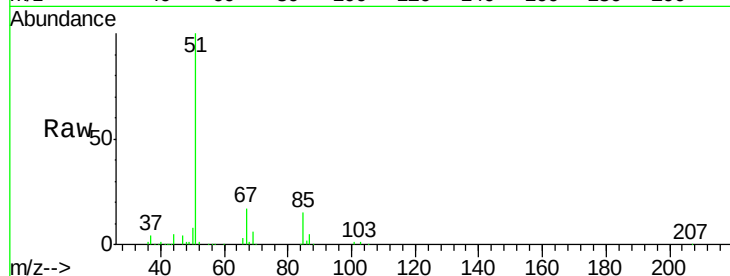
67 17.8 12.2 18.2

Manual Integrations

APPROVED

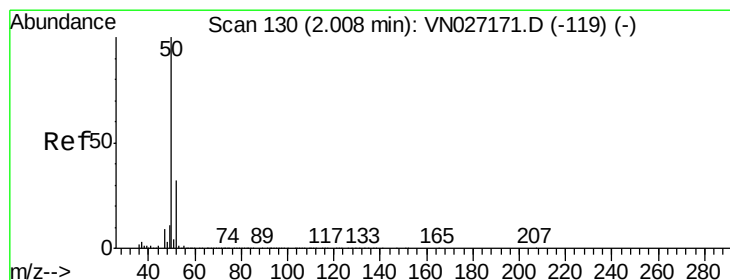
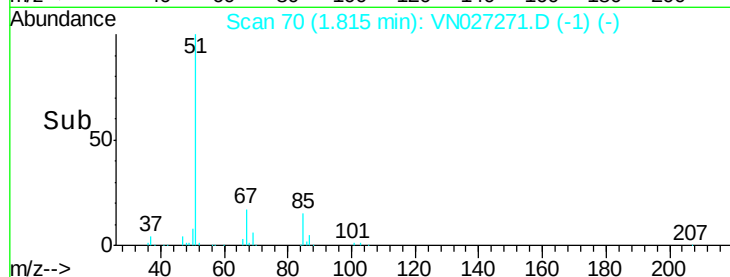
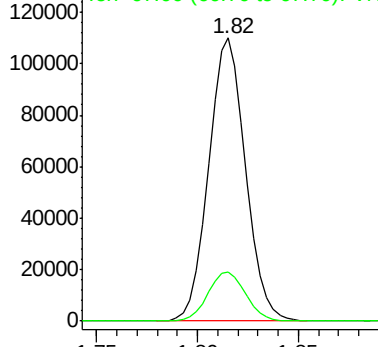
MMDadoda

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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 20.55 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027271.D

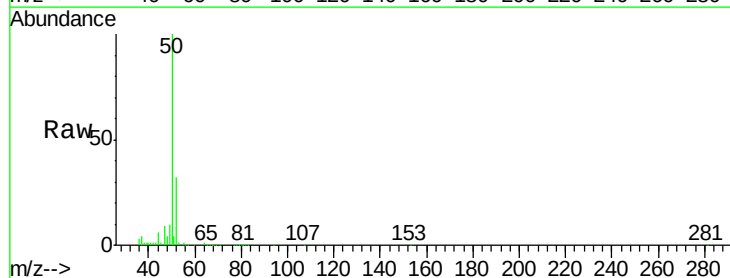
Acq: 17 Sep 2015 23:29

Tgt Ion: 50 Resp: 138694

Ion Ratio Lower Upper

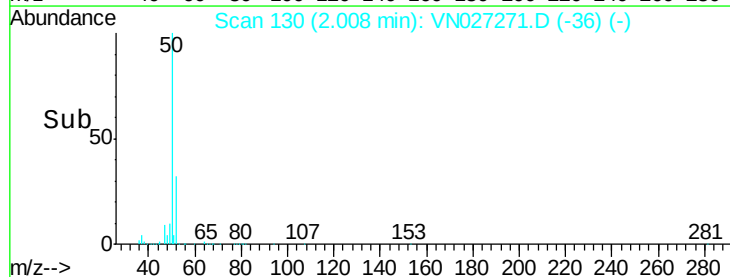
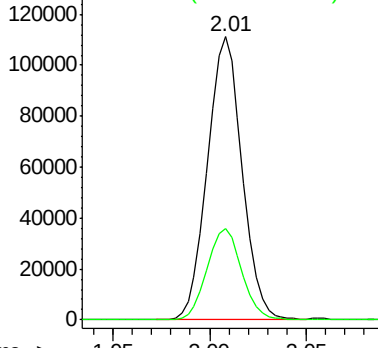
50 100

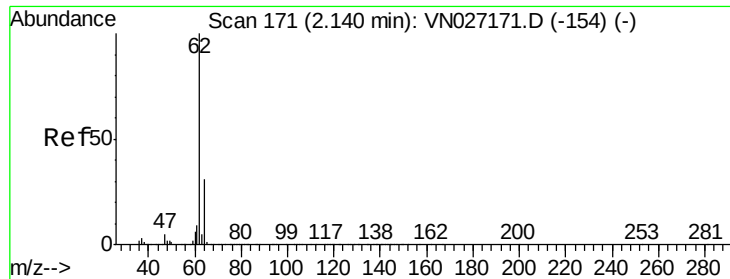
52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 20.64 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 62 Resp: 151849

Ion Ratio Lower Upper

62 100

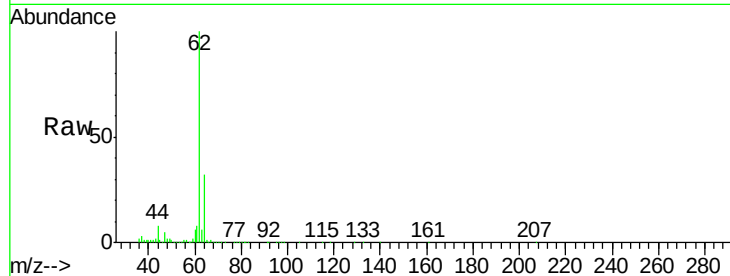
64 31.9 25.9 38.9

Manual Integrations

APPROVED

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9/18/2015 12:24:02 PM



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.14

120000

100000

80000

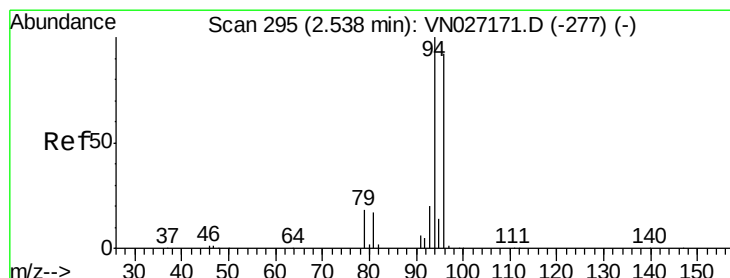
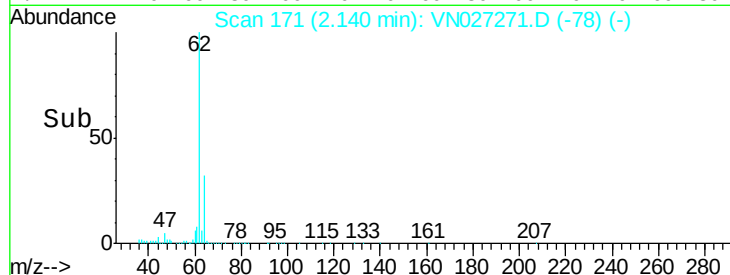
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40000

20000

0

Time-->



#6

Bromomethane

Concen: 18.62 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027271.D

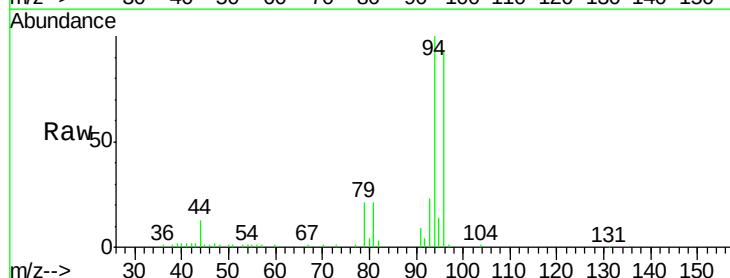
Acq: 17 Sep 2015 23:29

Tgt Ion: 94 Resp: 63506

Ion Ratio Lower Upper

94 100

96 93.3 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.54

40000

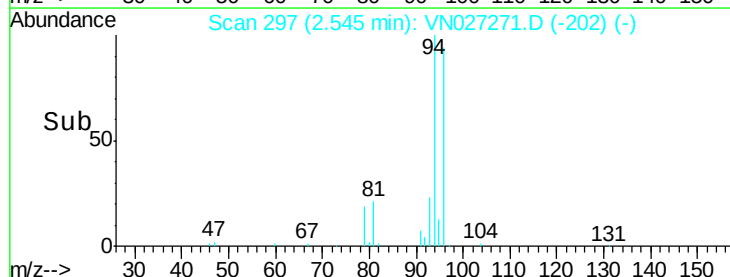
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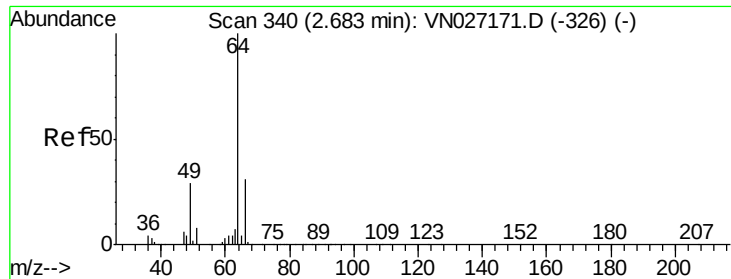
20000

10000

0

Time-->





#7

Chloroethane

Concen: 20.22 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 64 Resp: 101134

Ion Ratio Lower Upper

64 100

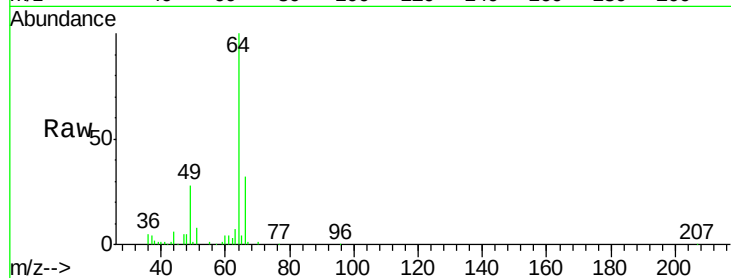
66 31.5 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:24:02 PM



Abundance Ion 63.90 (63.60 to 64.60): VN027271.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN027271.D (-326) (-)

2.69

60000

50000

40000

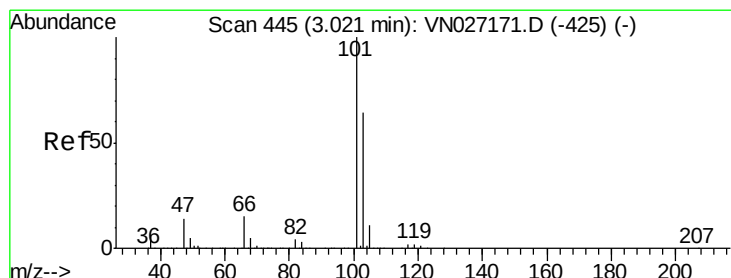
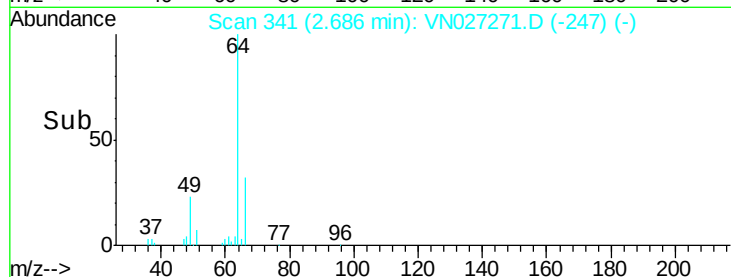
30000

20000

10000

0

Time-->



#8

Trichlorofluoromethane

Concen: 19.90 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027271.D

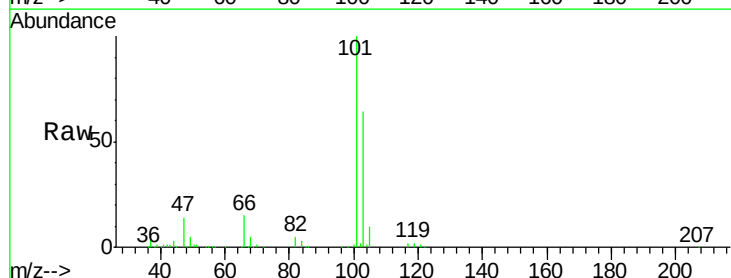
Acq: 17 Sep 2015 23:29

Tgt Ion: 101 Resp: 221101

Ion Ratio Lower Upper

101 100

103 64.3 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027271.D (-425) (-)

Ion 102.80 (102.50 to 103.50): VN027271.D (-425) (-)

3.02

100000

80000

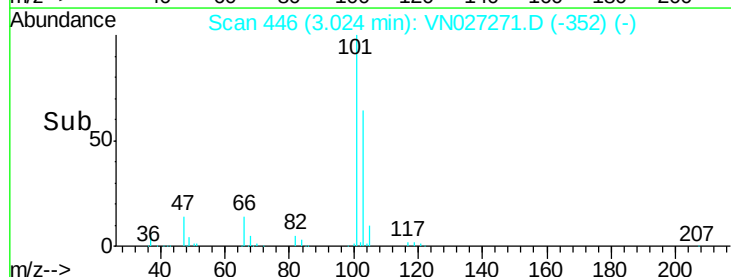
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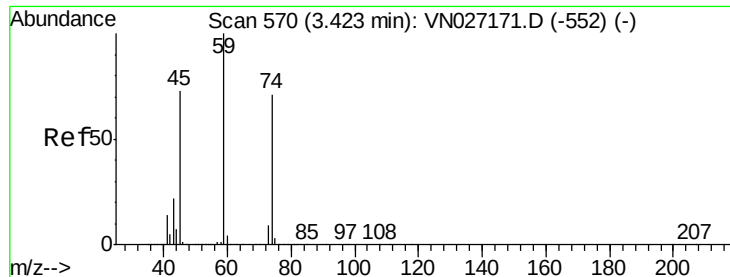
40000

20000

0

Time-->





#9

Diethyl Ether

Concen: 19.72 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 74 Resp: 100834

Ion Ratio Lower Upper

74 100

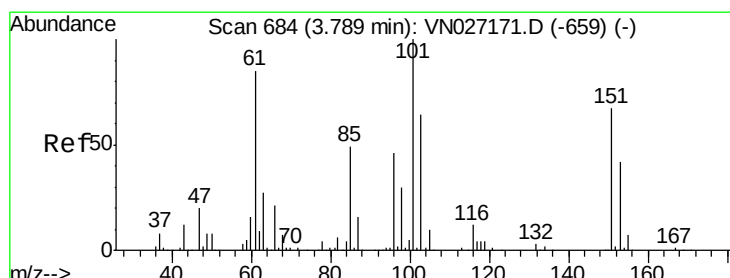
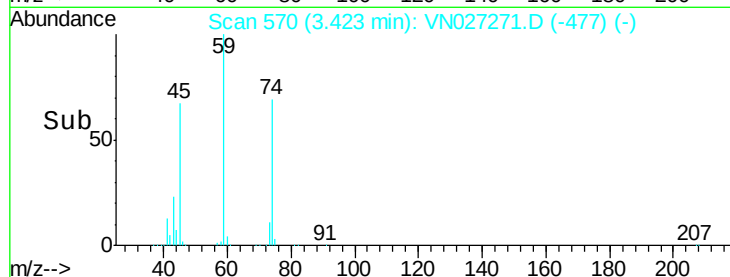
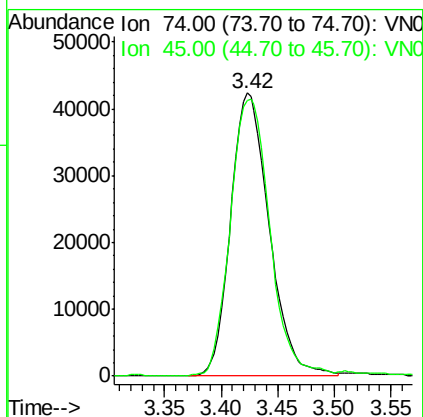
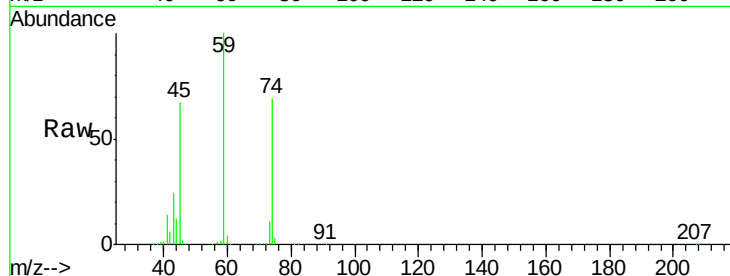
45 100.3 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.26 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

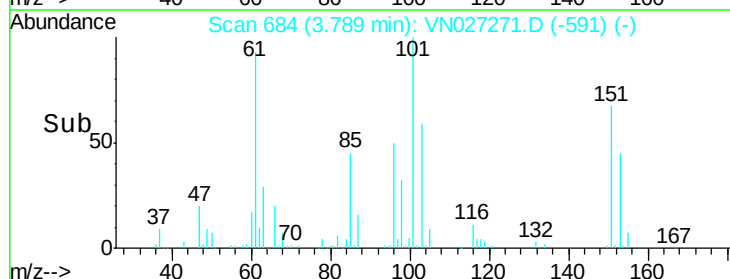
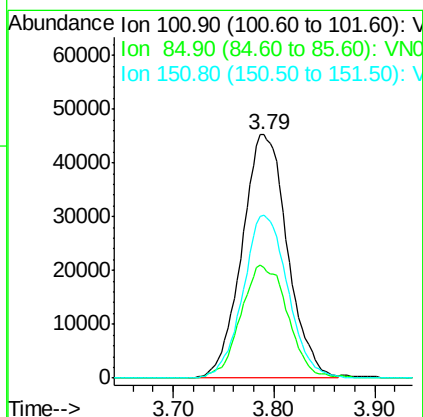
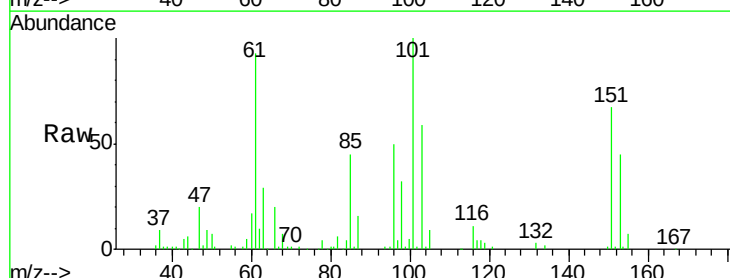
Tgt Ion: 101 Resp: 141403

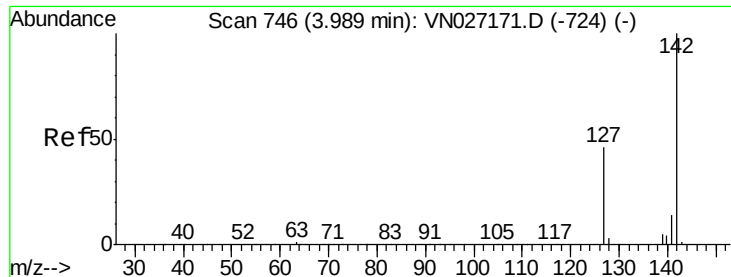
Ion Ratio Lower Upper

101 100

85 47.7 37.4 56.0

151 66.1 55.9 83.9





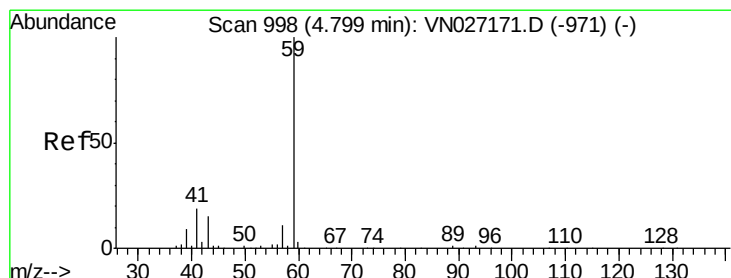
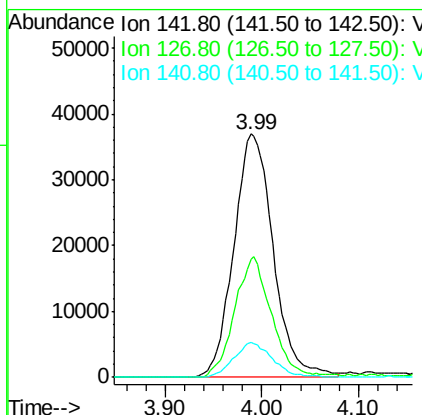
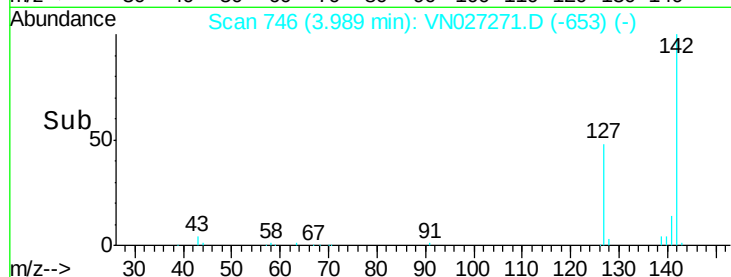
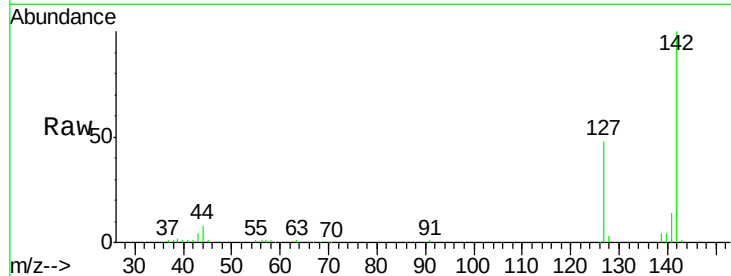
#11
Methvl Iodide
Concen: 15.44 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.1	32.3	48.5
141	13.8	11.2	16.8

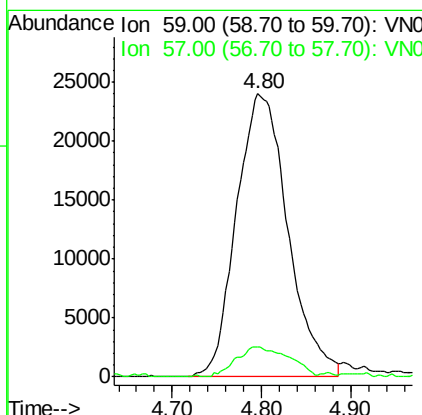
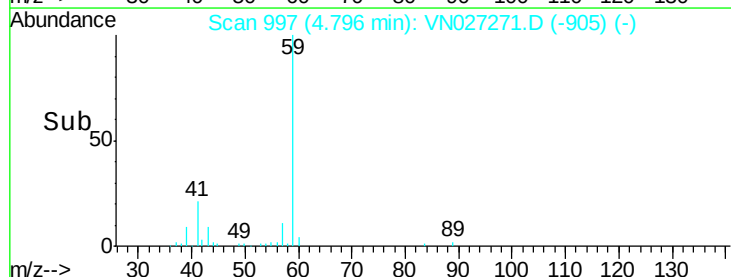
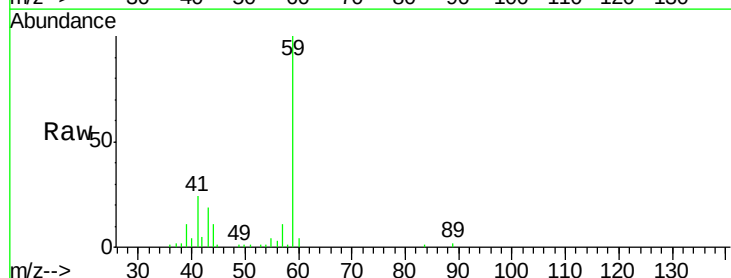
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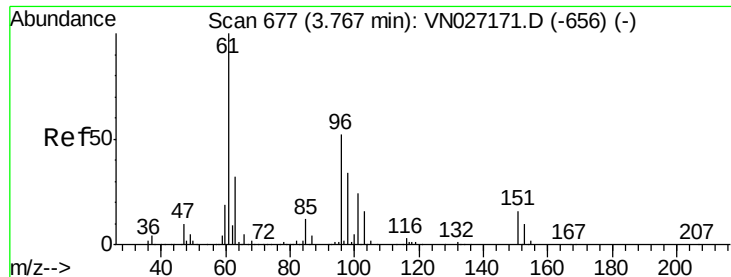
MMDadoda
9/18/2015 12:24:02 PM



#12
Tert butyl alcohol
Concen: 92.24 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.6	11.4





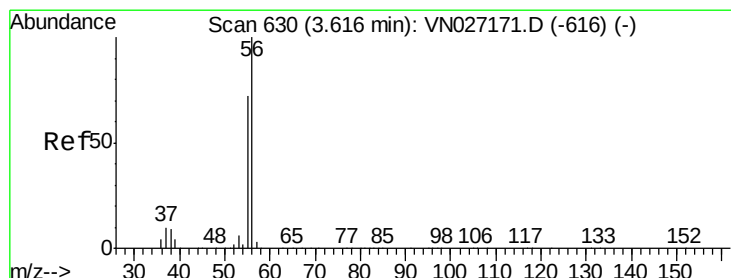
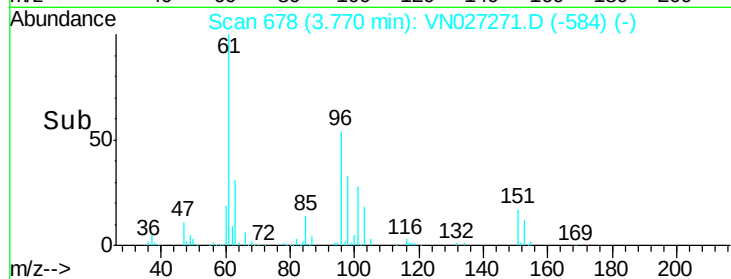
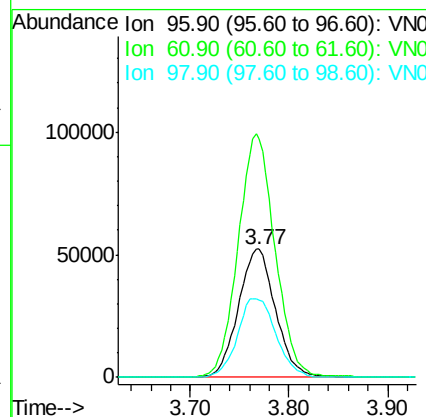
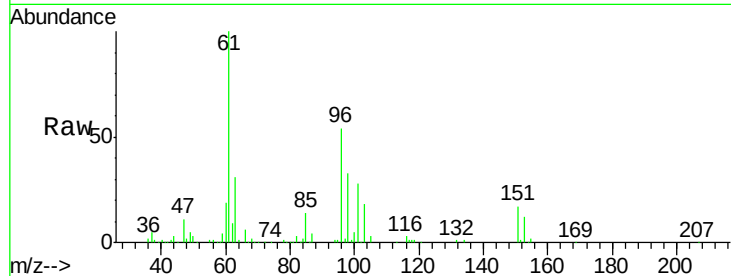
#13
 1,1-Dichloroethene
 Concen: 20.38 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	136223		
61	185.8	143.8	215.8	
98	60.6	50.3	75.5	

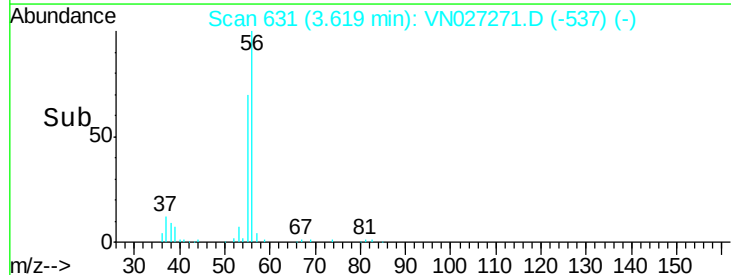
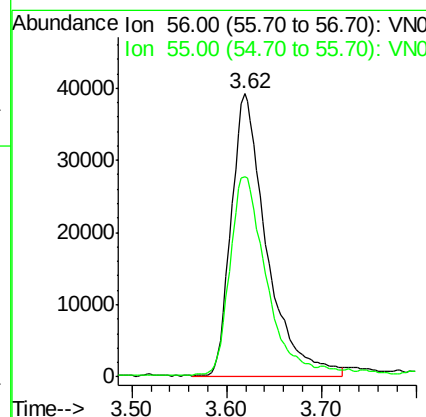
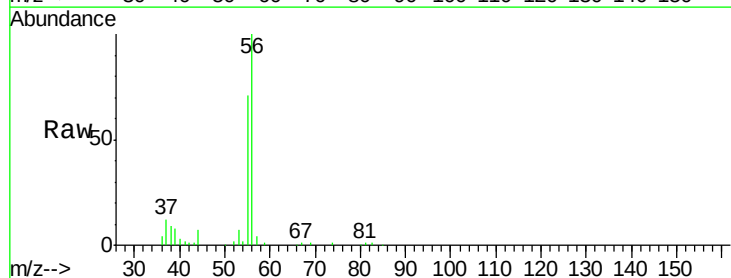
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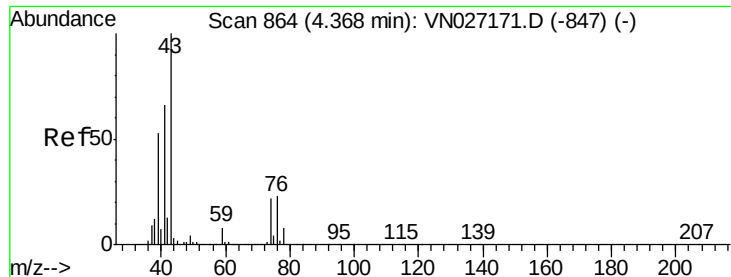
MMDadoda
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#14
 Acrolein
 Concen: 83.82 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	102704		
55	70.9	55.7	83.5	





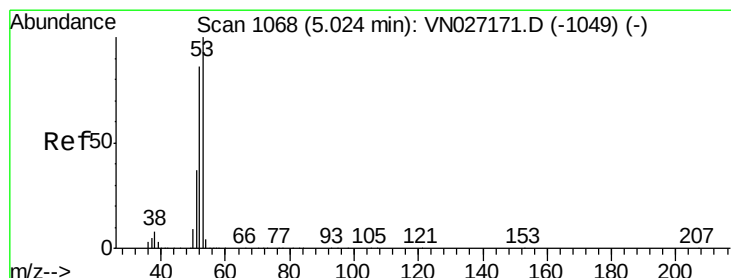
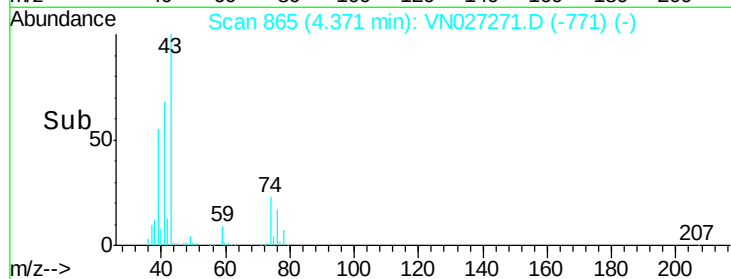
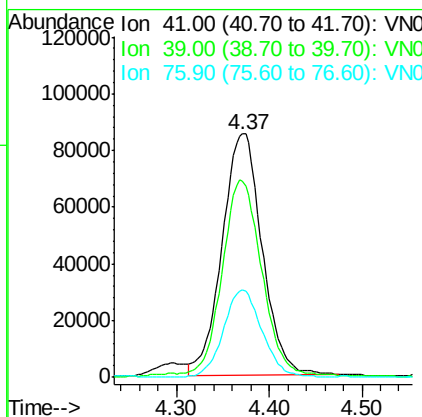
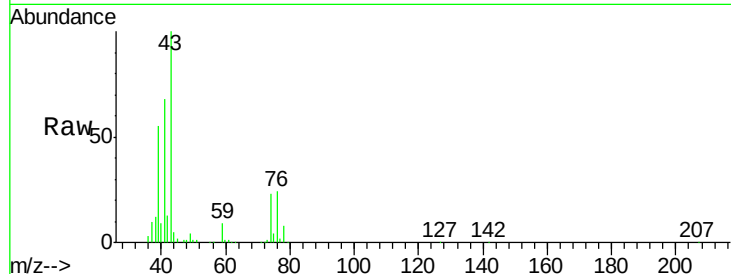
#15
Allvl chloride
Concen: 18.87 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	254717		
39	80.3	49.7	74.5#	
76	35.2	24.8	37.2	

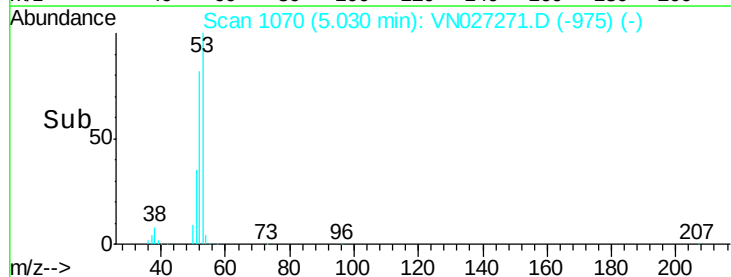
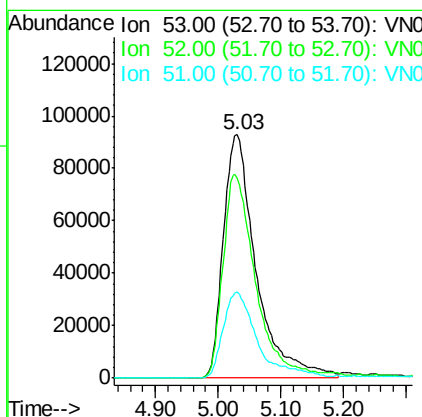
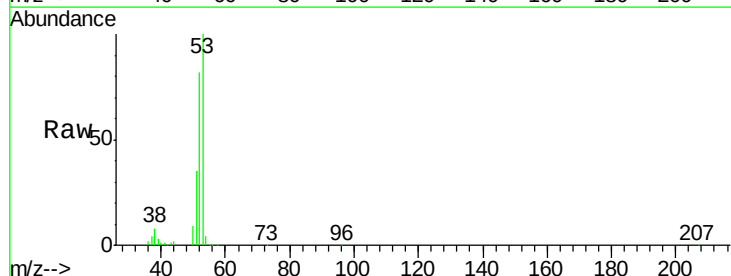
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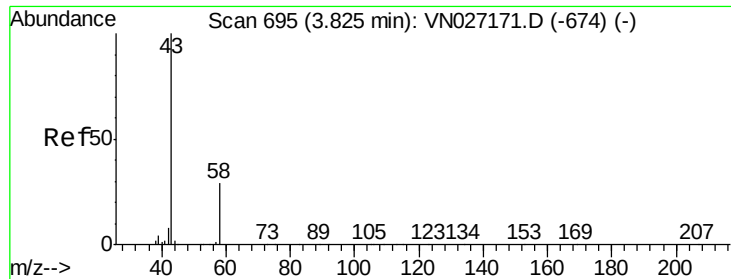
MMDadoda
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#16
Acrylonitrile
Concen: 99.15 ug/l
RT: 5.03 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	338184		
52	83.2	66.9	100.3	
51	37.1	27.4	41.0	





#17

Acetone

Concen: 92.69 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampled :

VN0917WBSD02

Tot Ion: 43 Resp: 266562

Ion Ratio Lower Upper

43 100

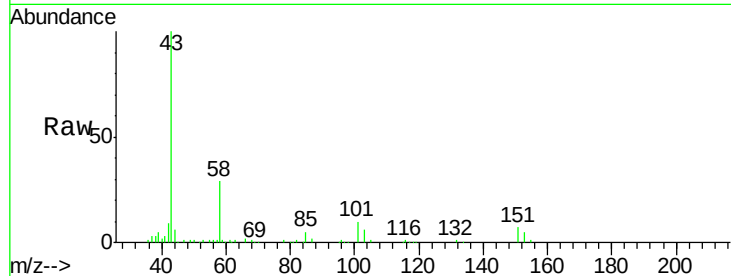
58 29.3 25.4 38.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

100000

80000

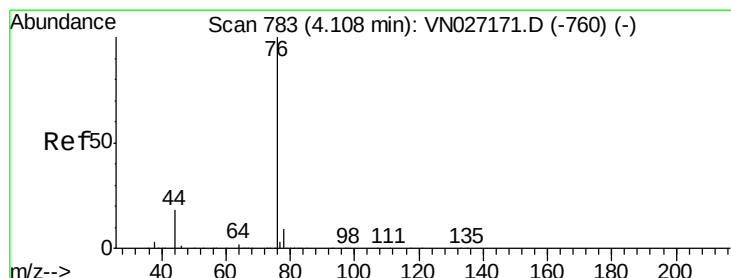
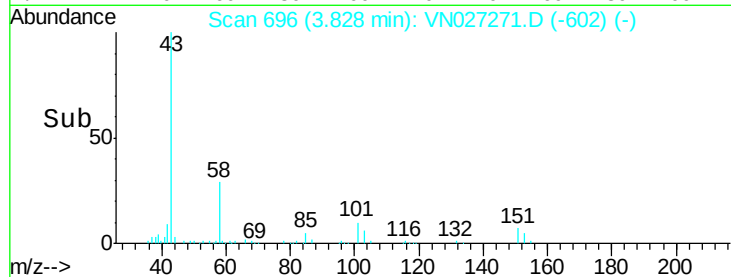
60000

40000

20000

0

Time-->



#18

Carbon Disulfide

Concen: 18.30 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027271.D

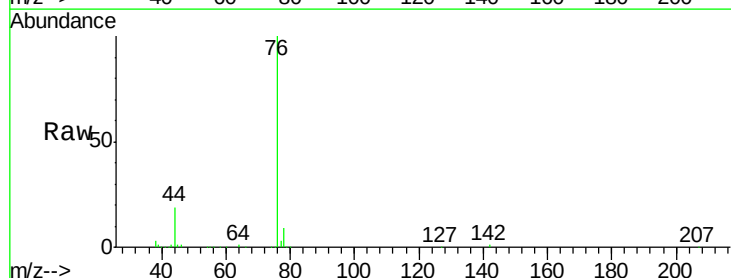
Acq: 17 Sep 2015 23:29

Tgt Ion: 76 Resp: 398286

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.11

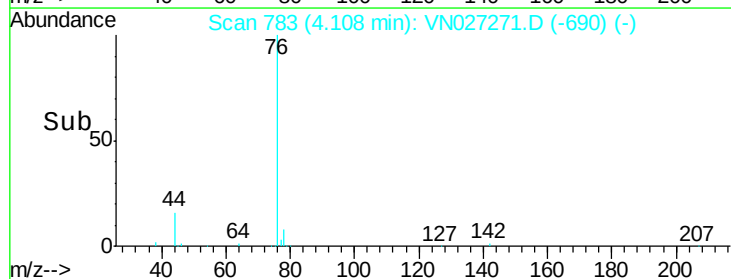
150000

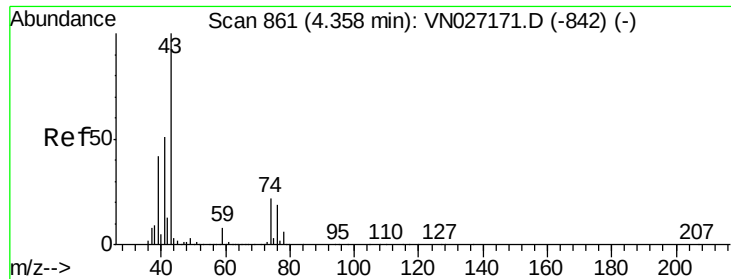
100000

50000

0

Time-->





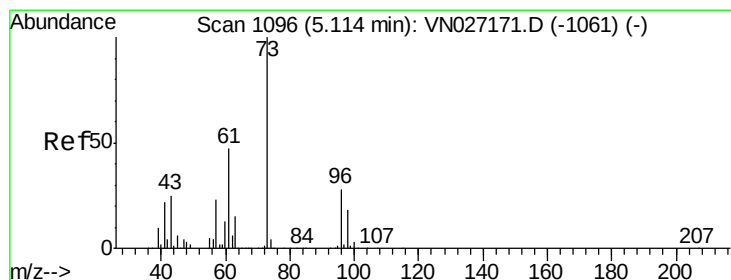
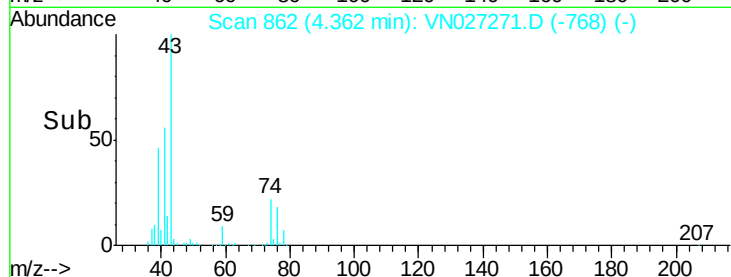
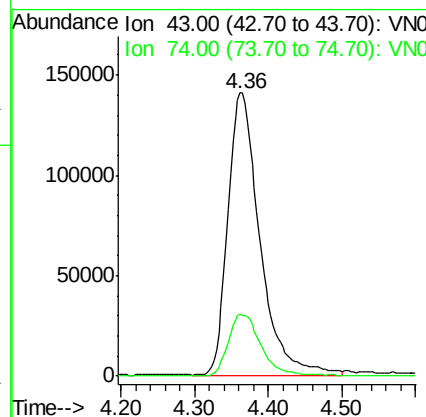
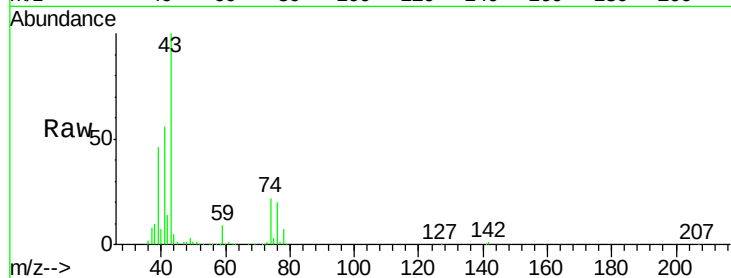
#19
Methvl Acetate
Concen: 20.38 ug/l
RT: 4.36 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	43	Resp	424422
Ion Ratio	100	Lower	Upper
74	22.5	16.2	24.2

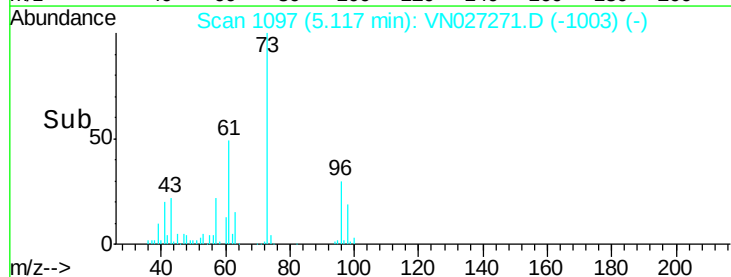
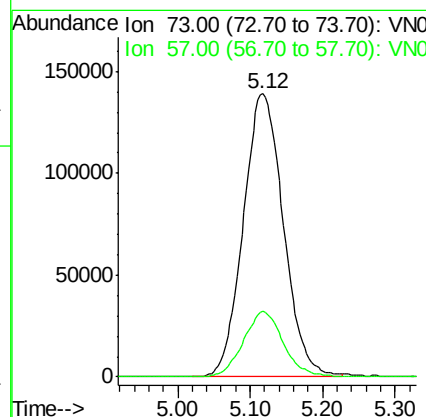
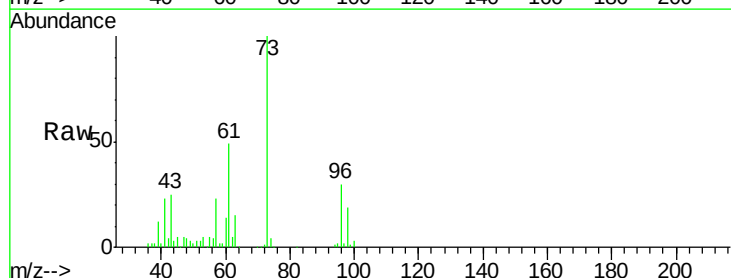
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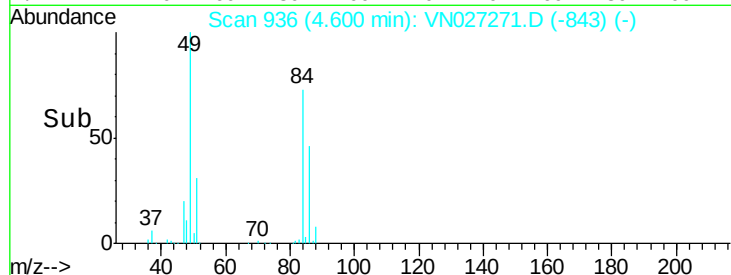
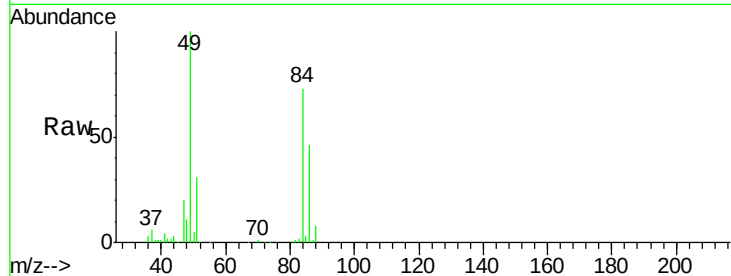
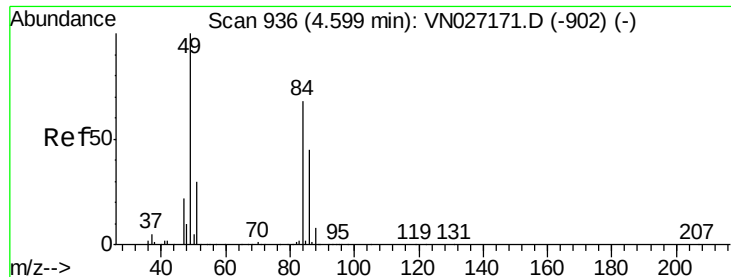
MMDadoda
9/18/2015 12:24:02 PM



#20
Methyl tert-butyl Ether
Concen: 19.95 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

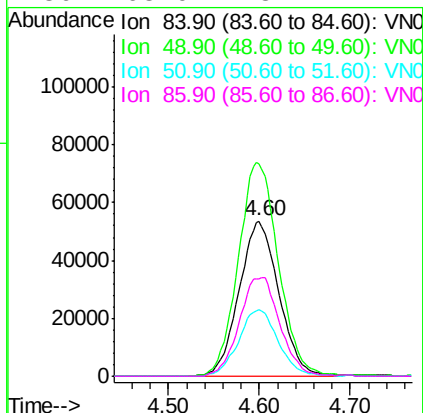
Tgt Ion	73	Resp	535274
Ion Ratio	100	Lower	Upper
57	23.2	19.8	29.6





#21
Methylene Chloride
Concen: 20.36 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

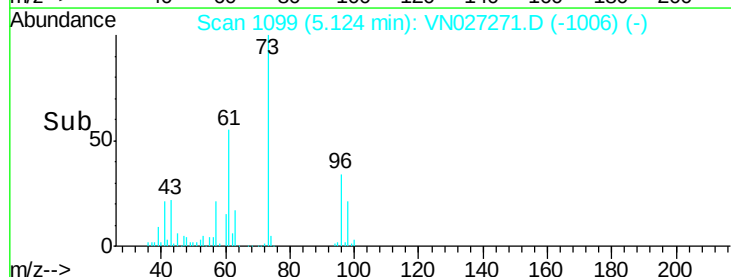
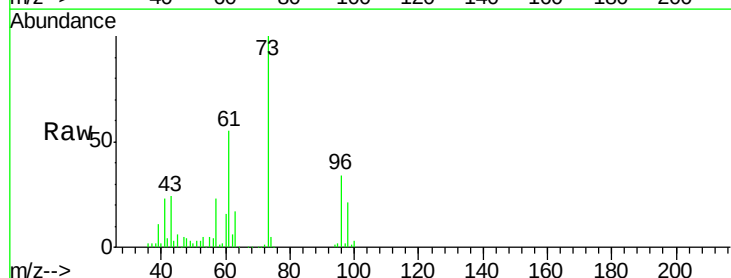
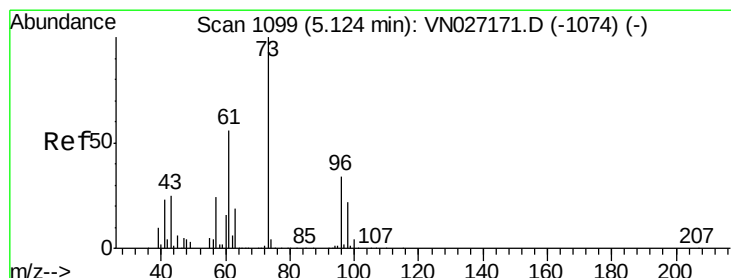
Tot Ion	84	Resp	163091
Ion Ratio	Lower	Upper	
84	100		
49	137.0	112.3	168.5
51	42.7	33.8	50.8
86	63.0	48.2	72.4



Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

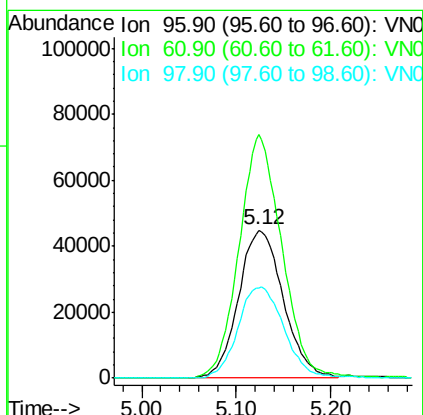
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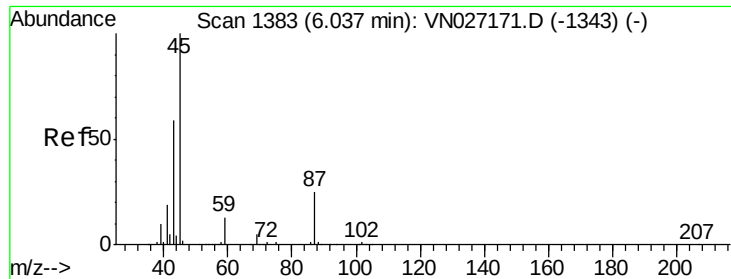
MMDadoda
9/18/2015 12:24:02 PM



#22
trans-1,2-Dichloroethene
Concen: 20.37 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	96	Resp	147269
Ion Ratio	Lower	Upper	
96	100		
61	164.9	126.6	189.8
98	61.2	47.4	71.2





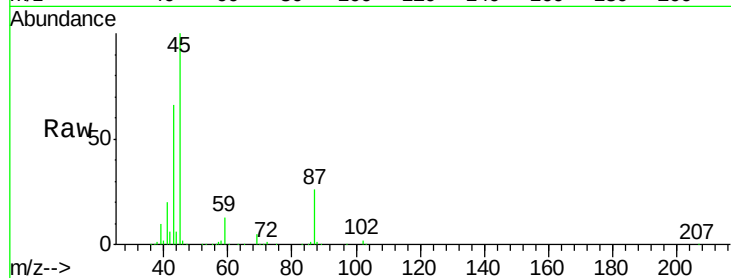
#23
Diisopropyl ether
Concen: 20.02 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

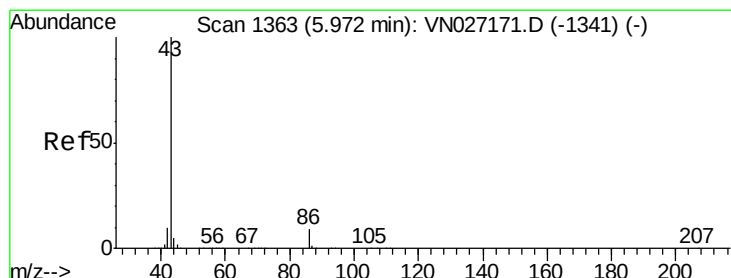
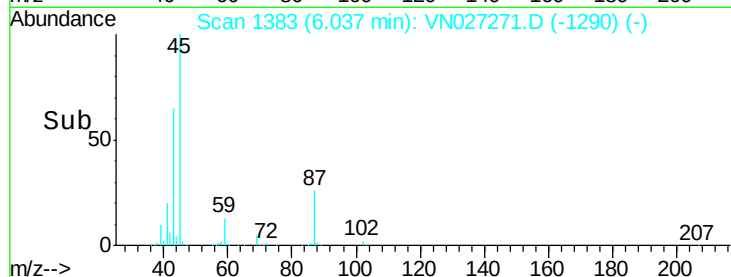
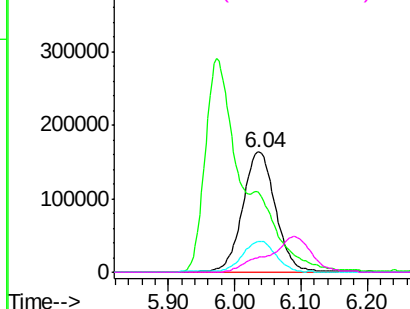
Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	63.3	41.0	61.6#	
87	25.6	17.5	26.3	
59	12.1	8.7	13.1	

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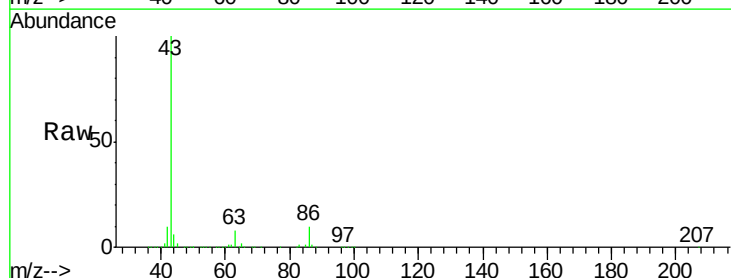


Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

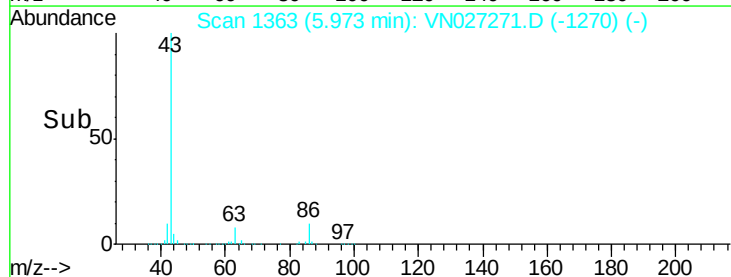
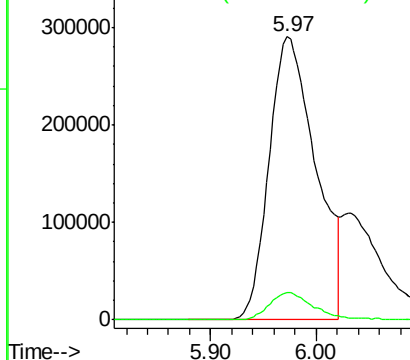


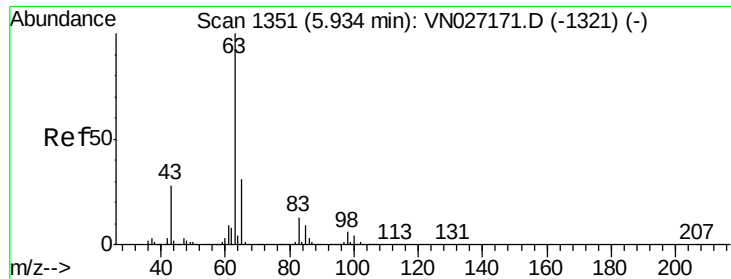
#24
Vinyl Acetate
Concen: 94.98 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.5	6.9	10.3	



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





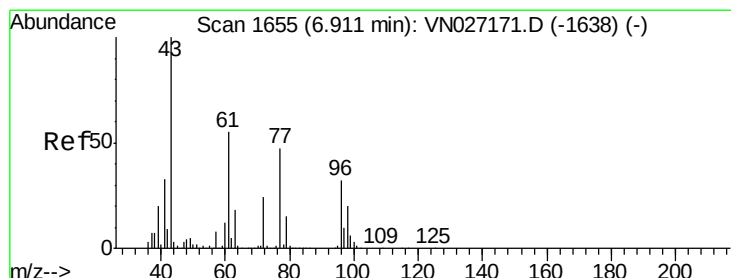
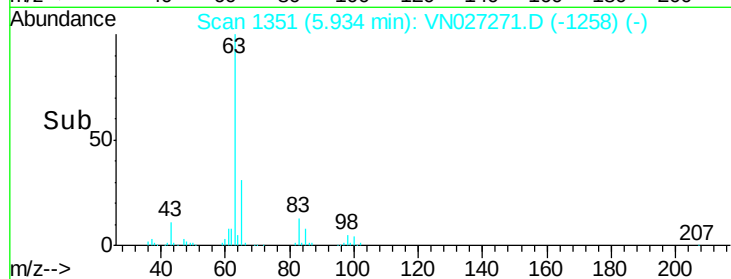
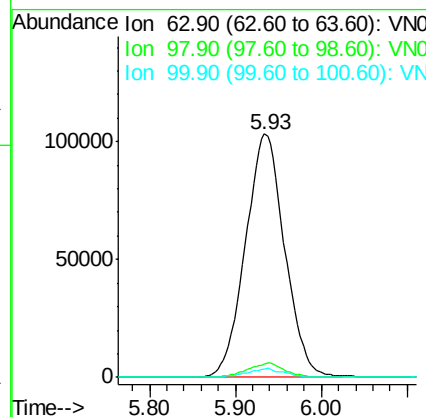
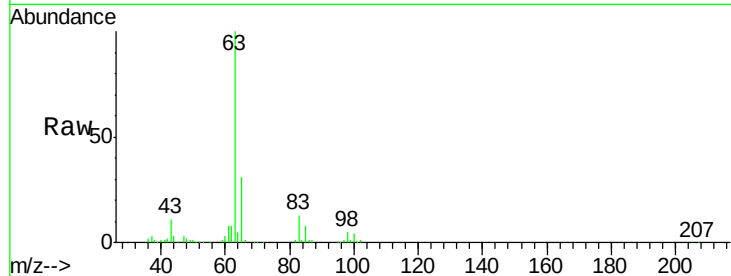
#25
 1,1-Dichloroethane
 Concen: 19.90 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.4	2.8	8.3
100	3.5	1.7	5.0

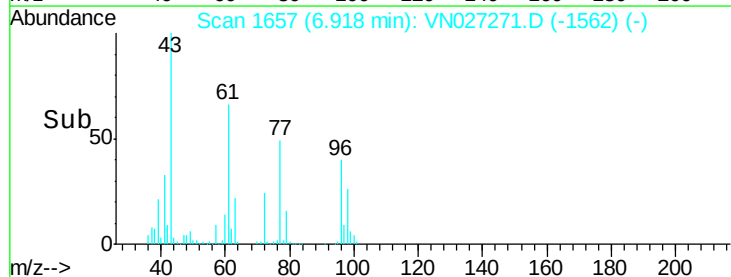
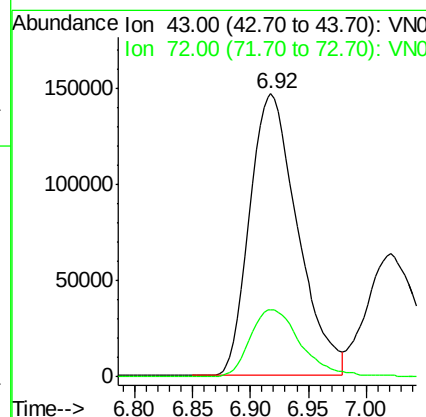
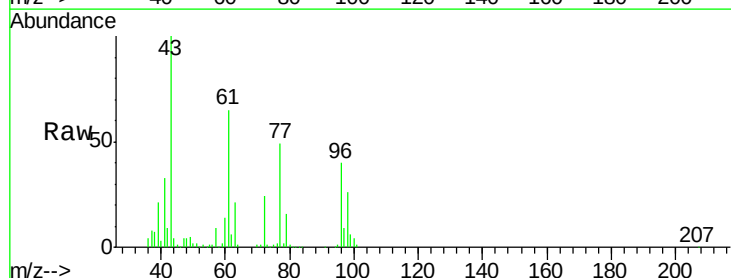
Manual Integrations
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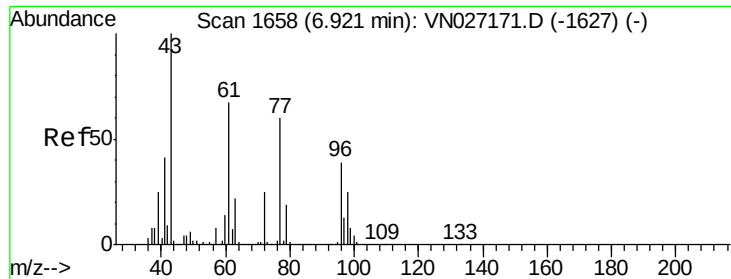
MMDadoda
 9/18/2015 12:24:02 PM



#26
 2-Butanone
 Concen: 97.48 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	23.9	18.8	28.2





#27

2,2-Dichloropropane

Concen: 16.16 ug/l

RT: 6.92 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 77 Resp: 230742

Ion Ratio Lower Upper

77 100

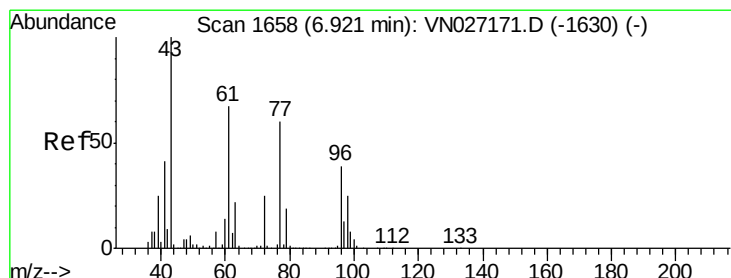
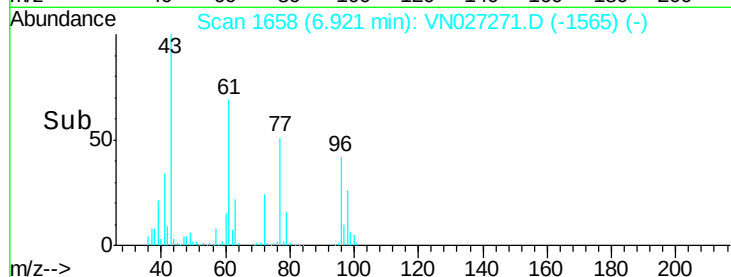
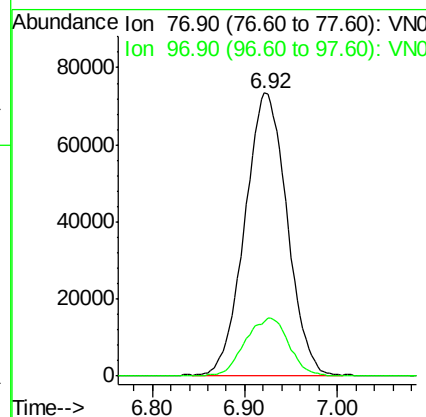
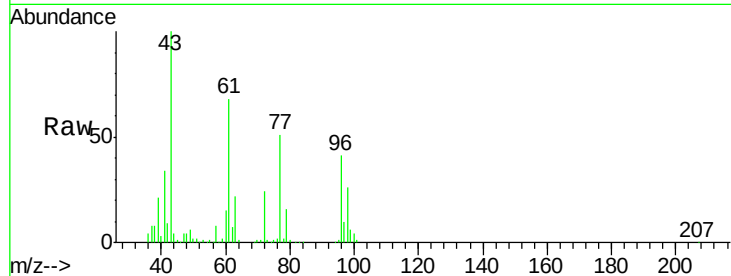
97 21.5 11.8 35.3

Manual Integrations

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MMDadoda

9/18/2015 12:24:02 PM



#28

cis-1,2-Dichloroethene

Concen: 20.56 ug/l

RT: 6.92 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

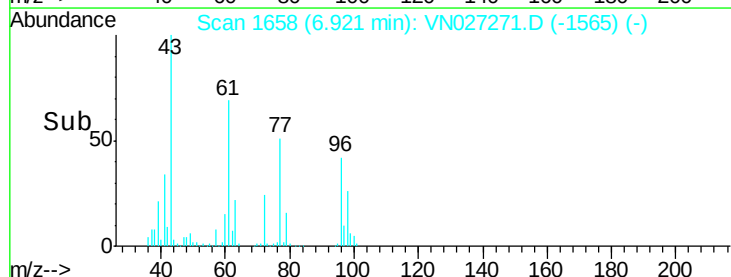
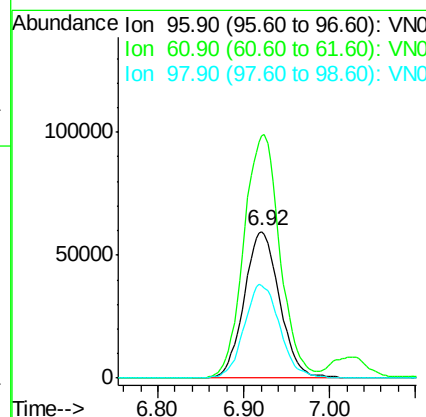
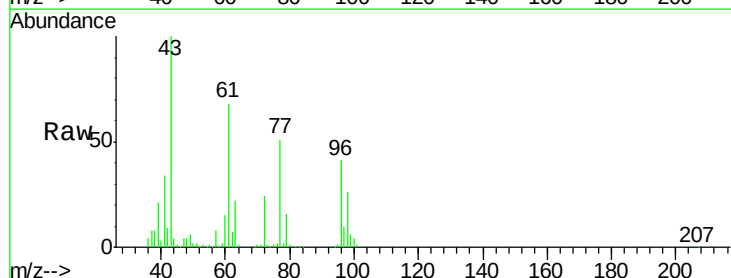
Tgt Ion: 96 Resp: 170482

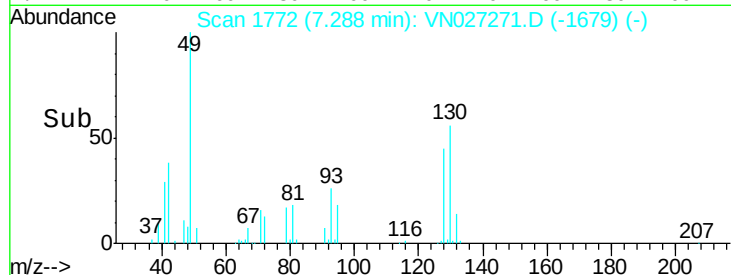
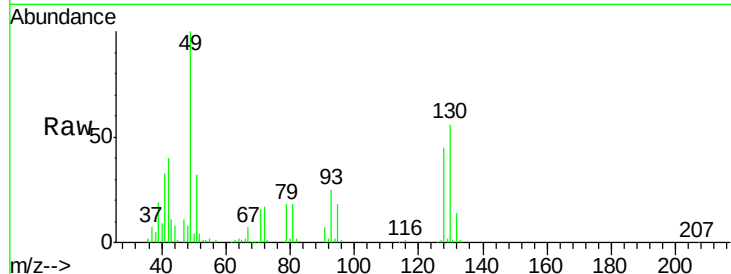
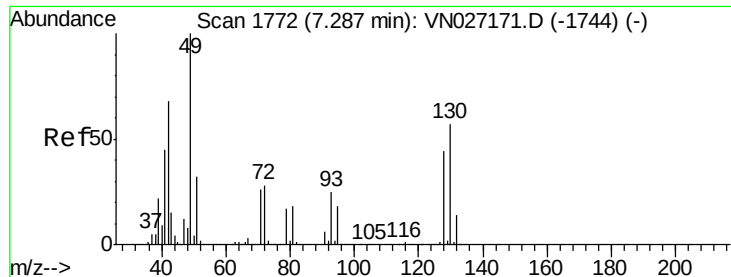
Ion Ratio Lower Upper

96 100

61 168.8 0.0 329.2

98 64.5 0.0 126.0





#29

Bromochloromethane

Concen: 20.91 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027271.D

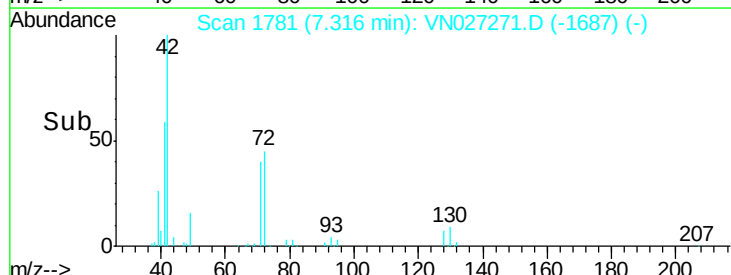
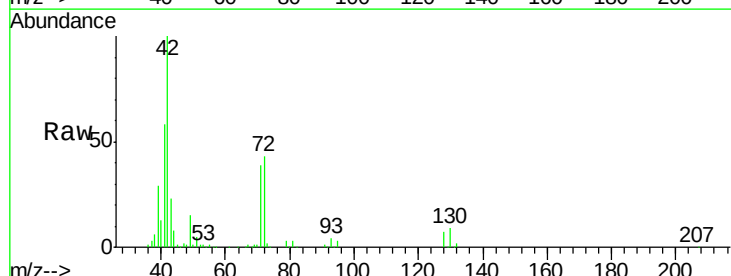
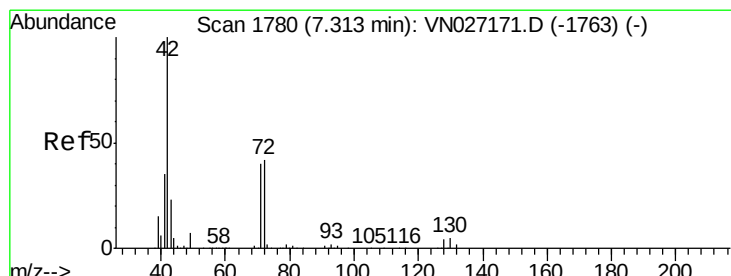
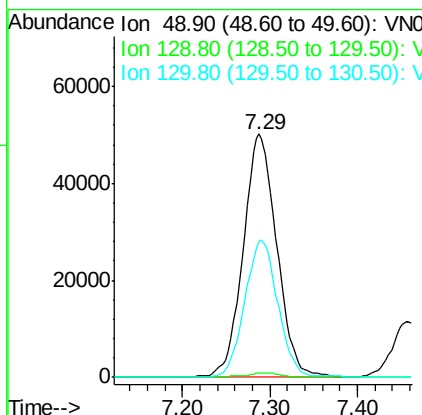
Acq: 17 Sep 2015 23:29

Tot Ion:	49	Resp:	133588
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	55.6	43.2	64.8

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

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9/18/2015 12:24:02 PM



#30

Tetrahydrofuran

Concen: 93.29 ug/l

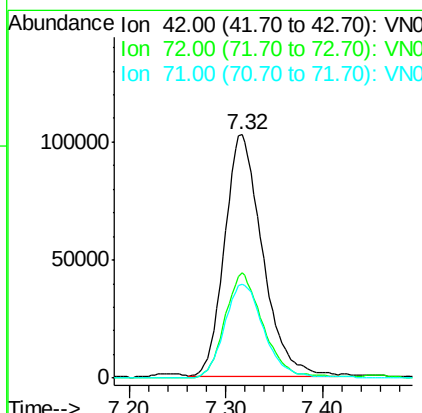
RT: 7.32 min Scan# 1781

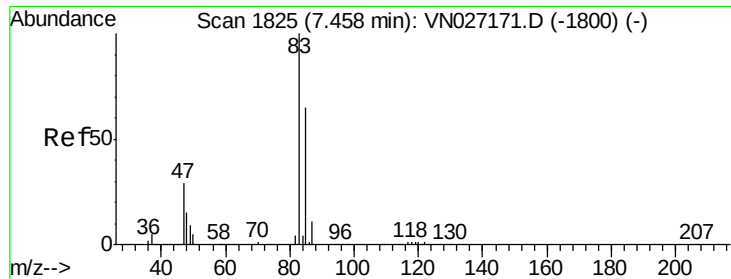
Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Tgt Ion:	42	Resp:	278431
Ion	Ratio	Lower	Upper
42	100		
72	43.9	29.9	44.9
71	40.2	28.3	42.5





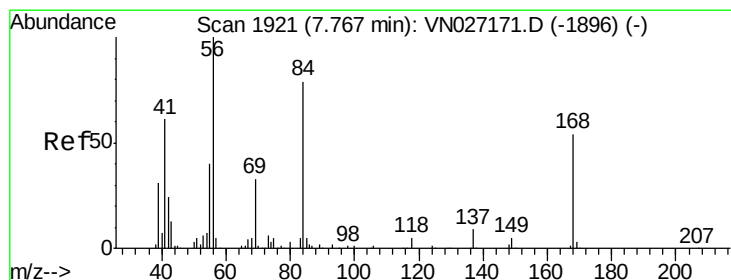
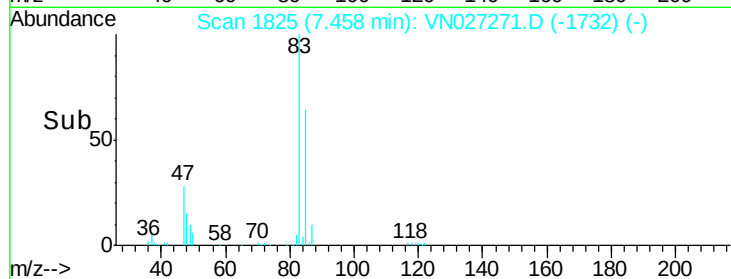
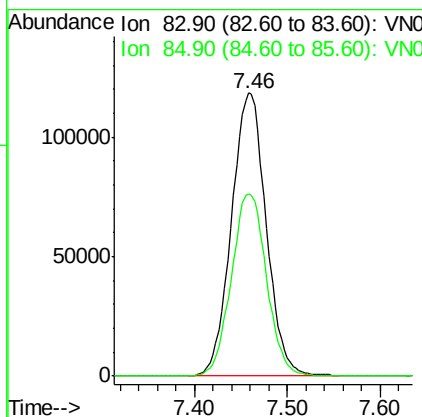
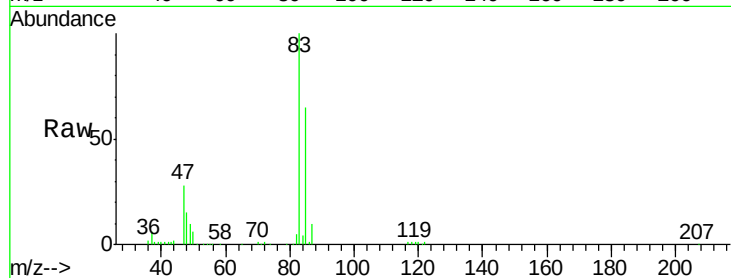
#31
Chloroform
Concen: 20.69 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampled :
VN0917WBSD02

Tot Ion	83	Resp	307689
Ion Ratio	100	Lower	Upper
85	64.4	51.1	76.7

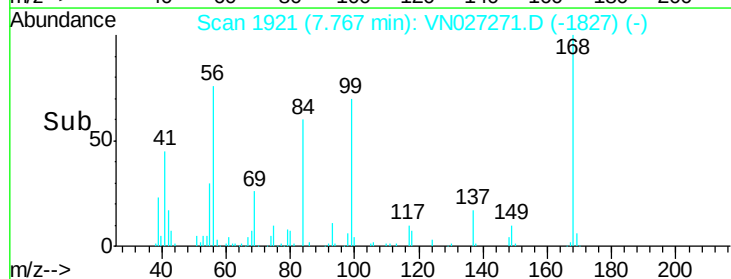
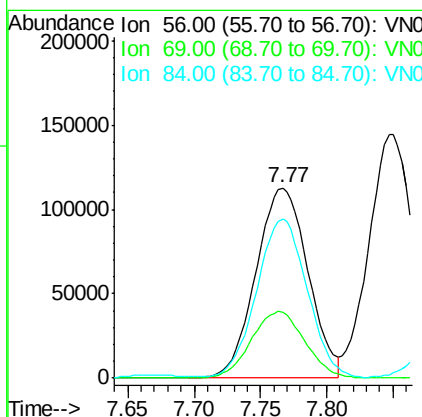
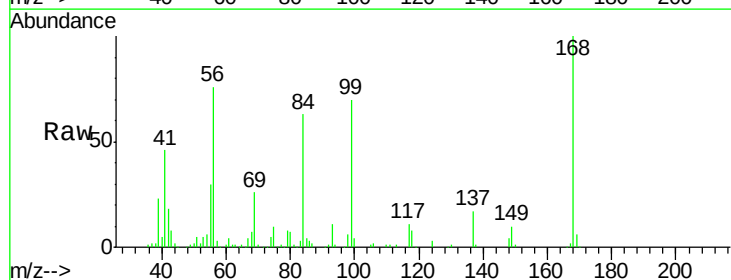
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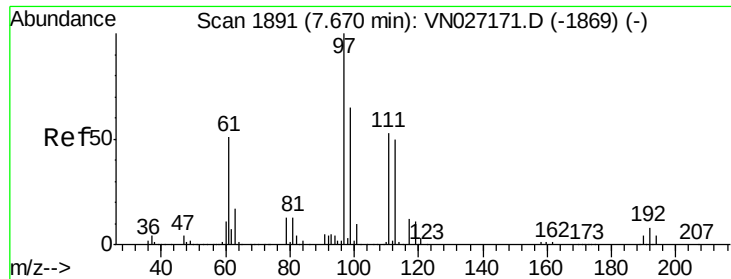
MMDadoda
9/18/2015 12:24:02 PM



#32
Cyclohexane
Concen: 20.62 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	56	Resp	309974
Ion Ratio	100	Lower	Upper
69	34.8	23.0	34.4#
84	82.9	57.8	86.8





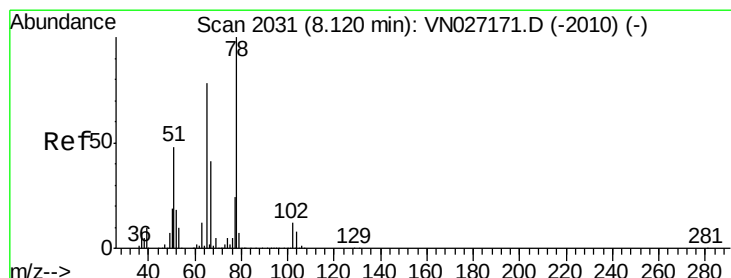
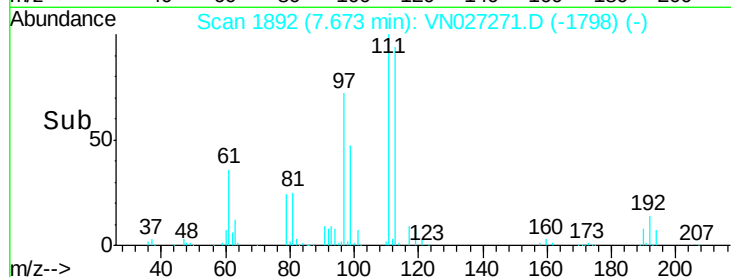
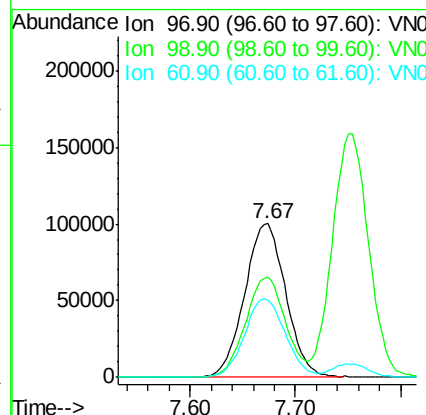
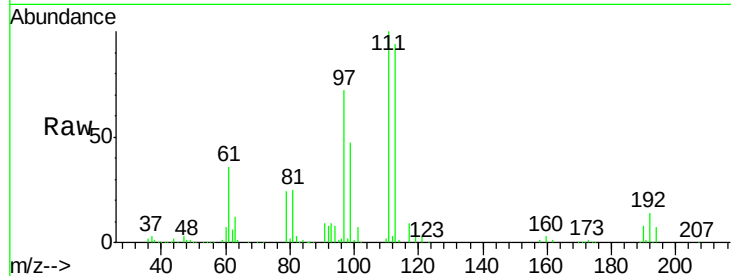
#33
 1,1,1-Trichloroethane
 Concen: 20.50 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.1	75.1
61	50.7	44.0	66.0

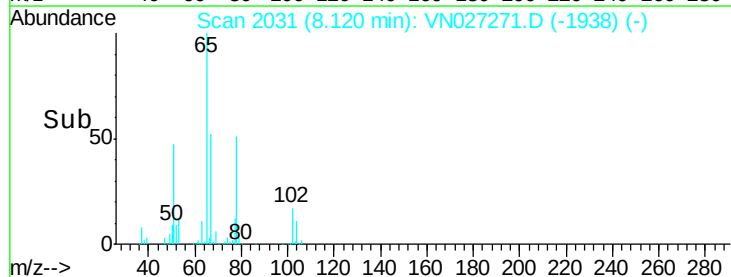
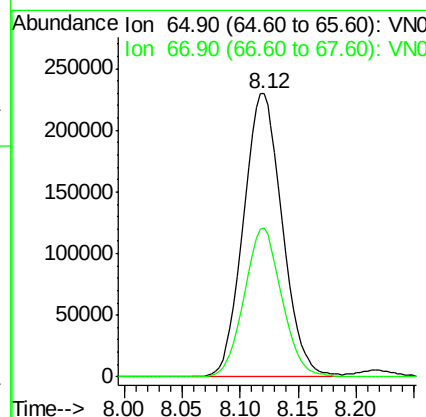
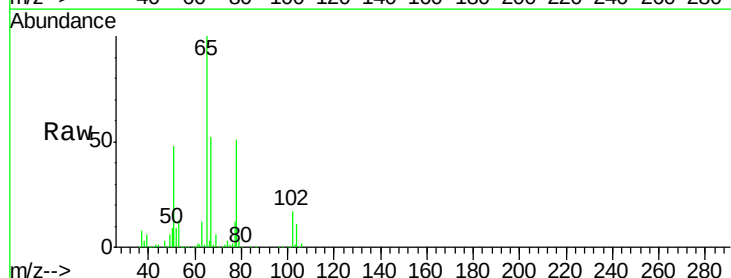
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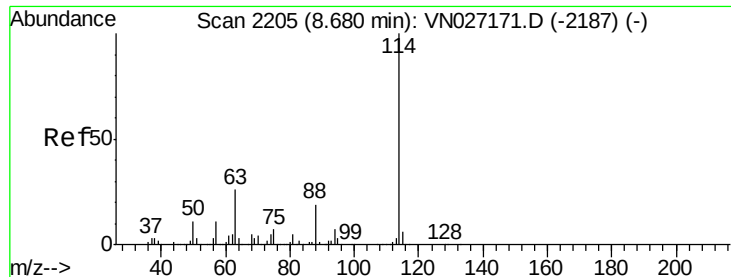
MMDadoda
 9/18/2015 12:24:02 PM



#34
 1,2-Dichloroethane-d4
 Concen: 50.24 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	110.6





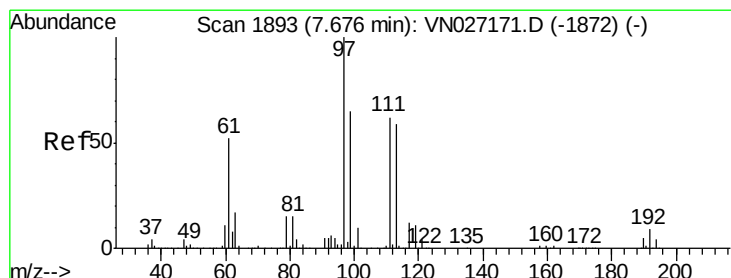
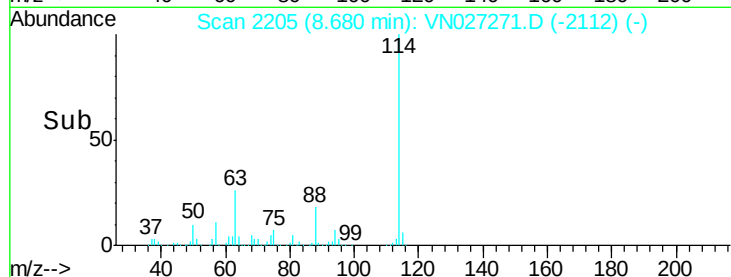
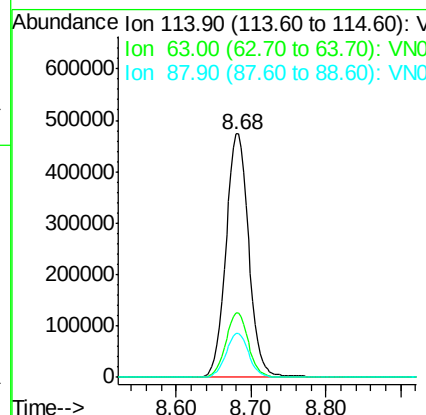
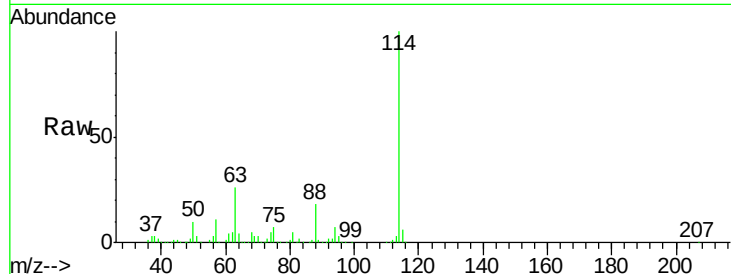
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
114	100	997998		
63	26.4		0.0	48.8
88	17.9		0.0	32.2

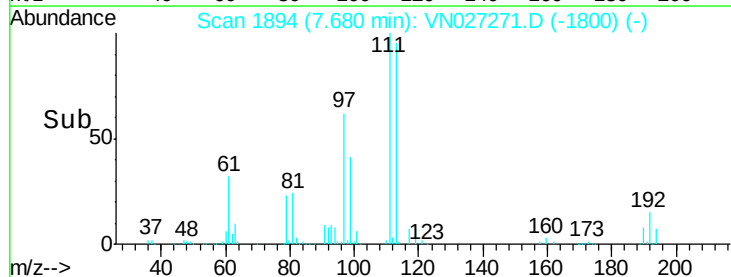
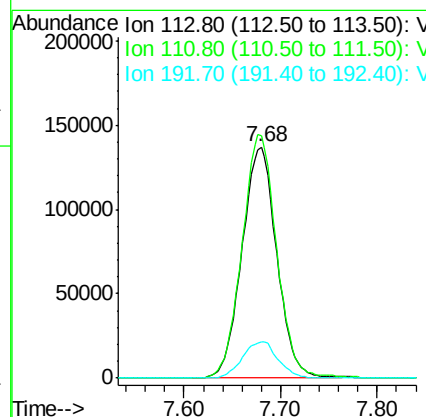
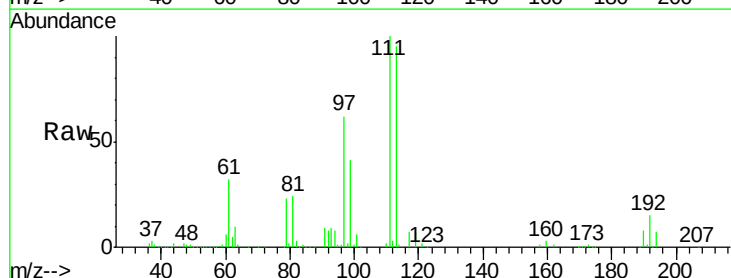
Manual Integrations
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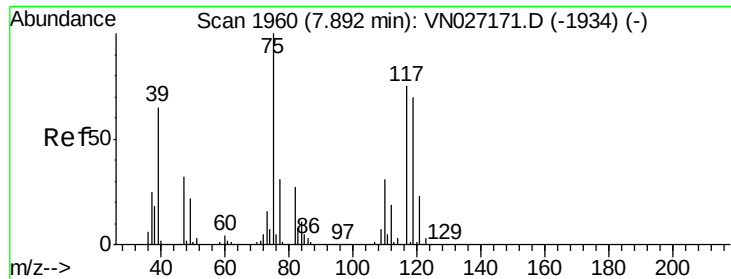
MMDadoda
 9/18/2015 12:24:02 PM



#36
 Dibromofluoromethane
 Concen: 49.50 ug/l
 RT: 7.68 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	342440		
111	104.3		83.0	124.4
192	16.1		14.1	21.1





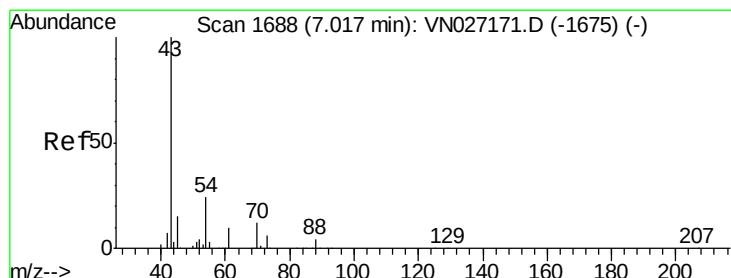
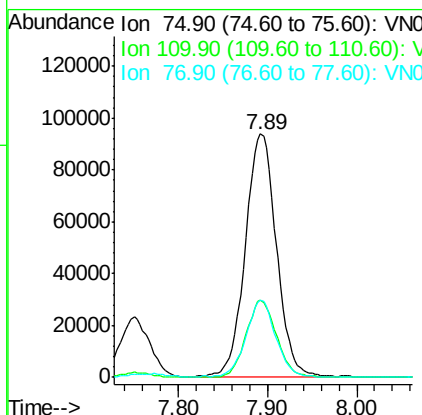
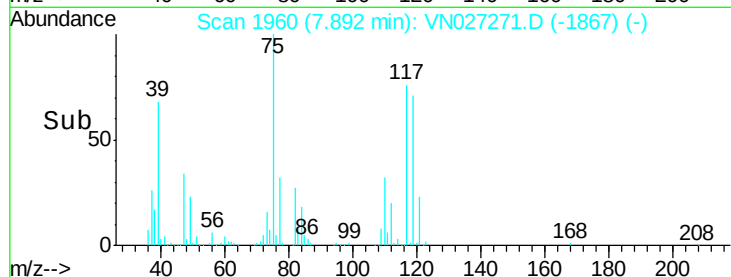
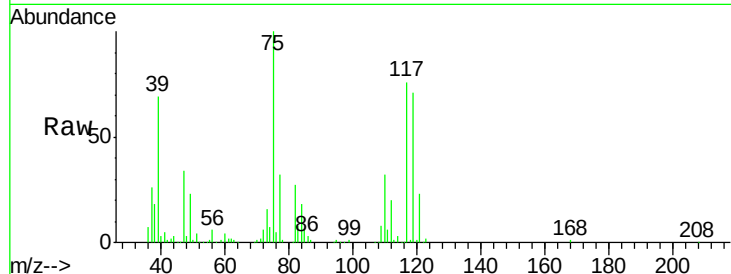
#37
 1,1-Dichloropropene
 Concen: 19.45 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.4	15.9	47.7	
77	30.1	24.9	37.3	

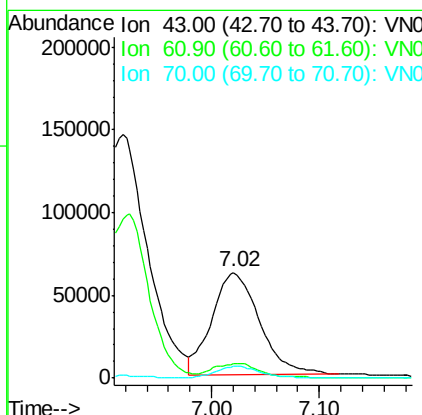
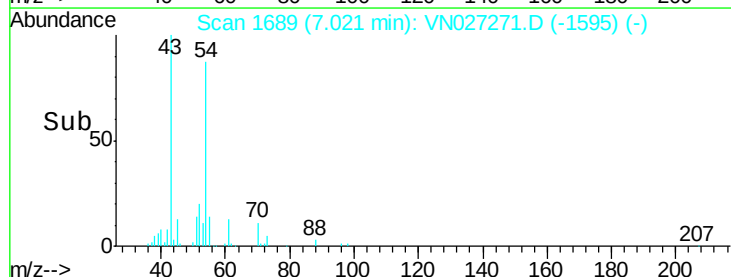
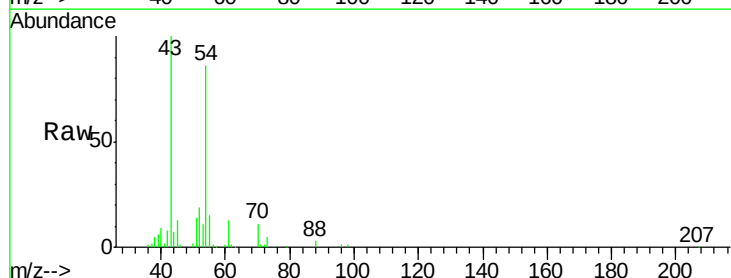
Manual Integrations
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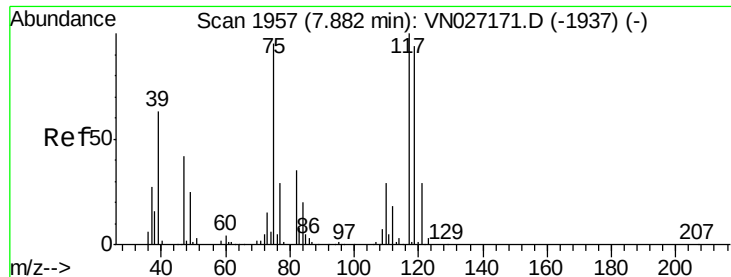
MMDadoda
 9/18/2015 12:24:02 PM



#38
 Ethyl Acetate
 Concen: 18.69 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.8	10.2	15.4	
70	10.1	7.4	11.0	





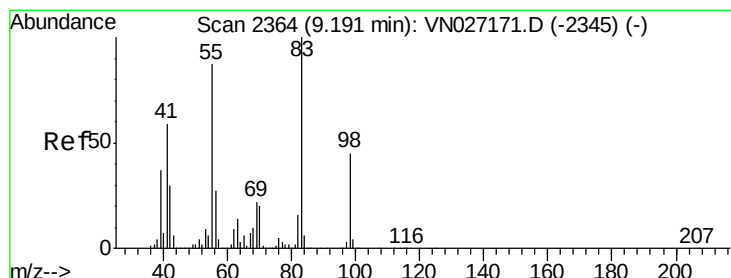
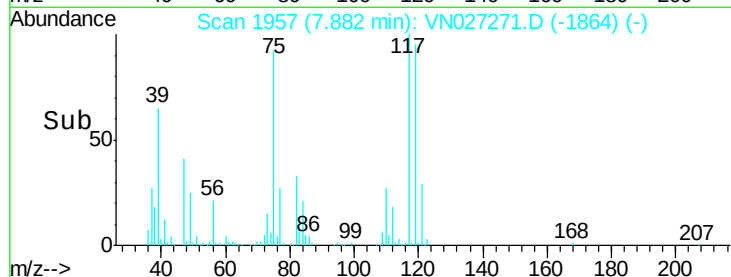
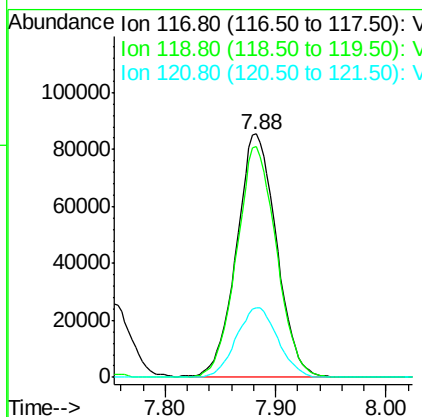
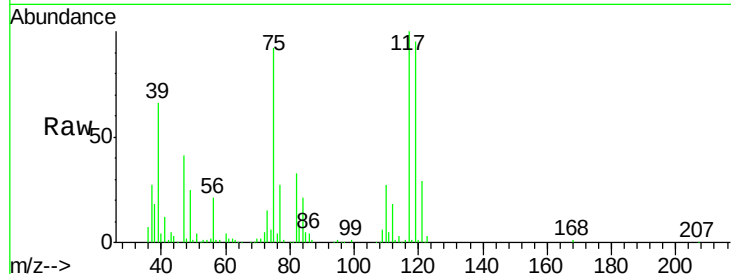
#39
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.3	112.9
121	28.8	23.8	35.8

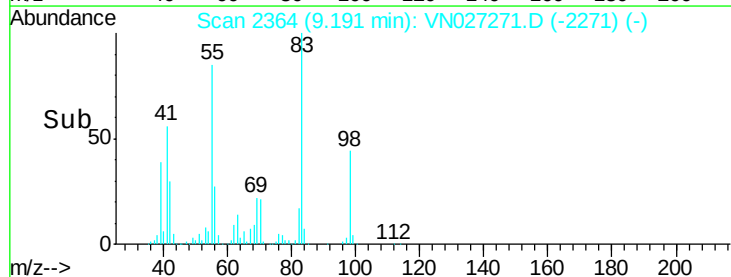
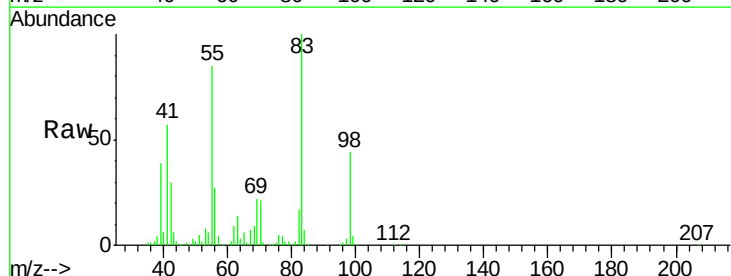
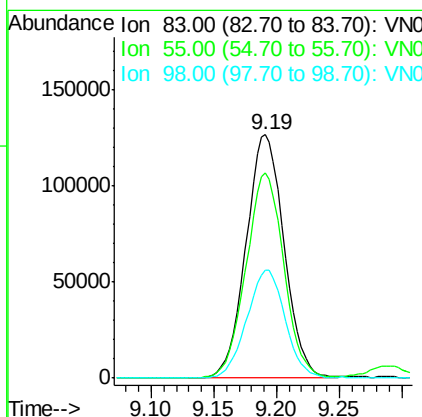
Manual Integrations
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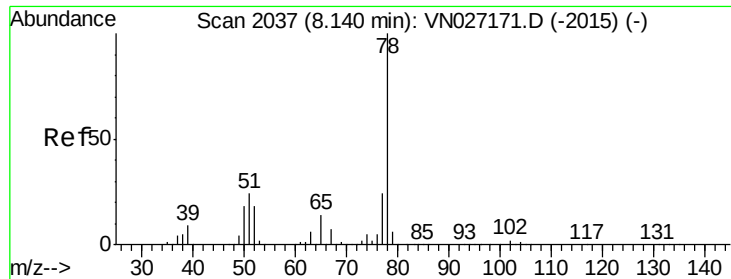
MMDadoda
9/18/2015 12:24:02 PM



#40
Methylcyclohexane
Concen: 18.81 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.3	69.8	104.8
98	44.3	34.3	51.5





#41

Benzene

Concen: 19.92 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 78 Resp: 679094

Ion Ratio Lower Upper

78 100

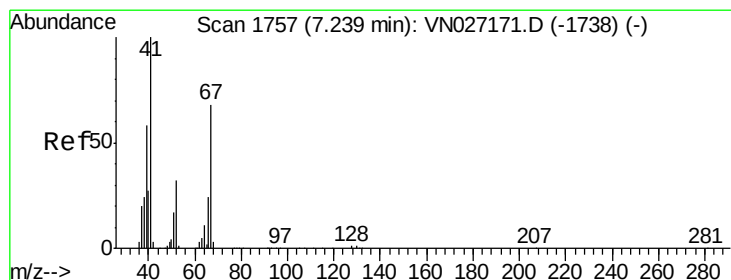
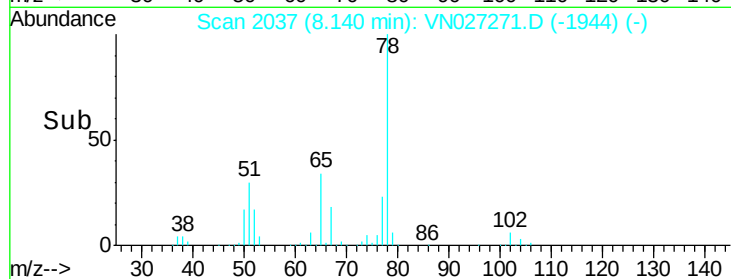
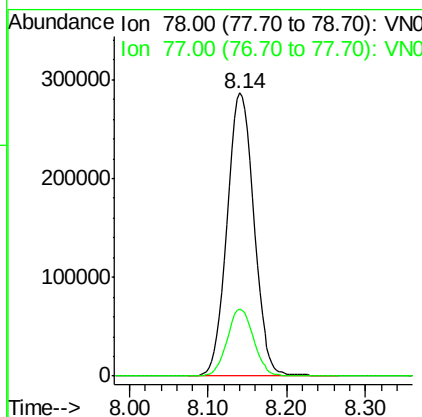
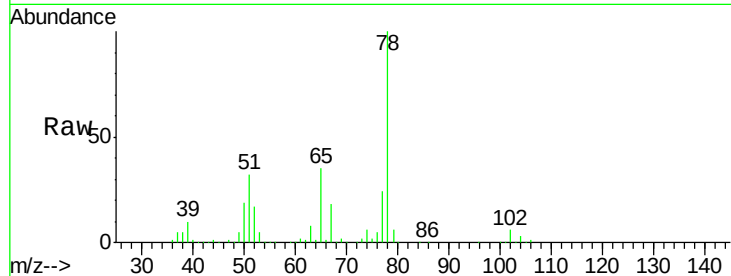
77 23.7 19.0 28.4

Manual Integrations

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MMDadoda

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#42

Methacrylonitrile

Concen: 19.10 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Tgt Ion: 41 Resp: 107888

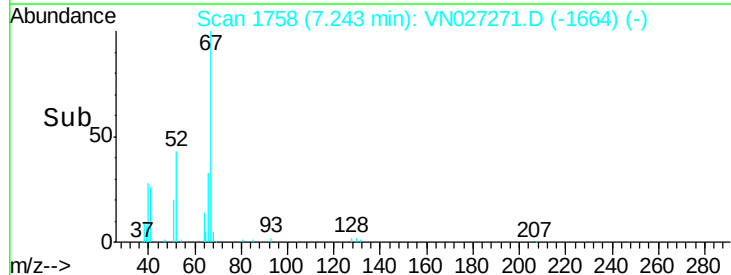
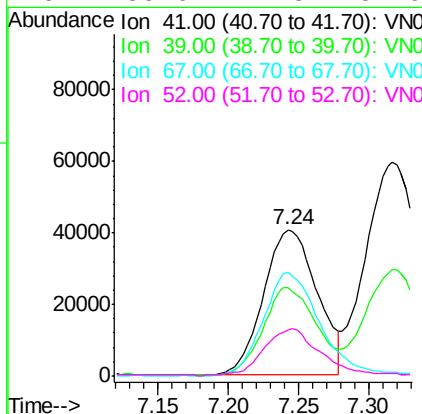
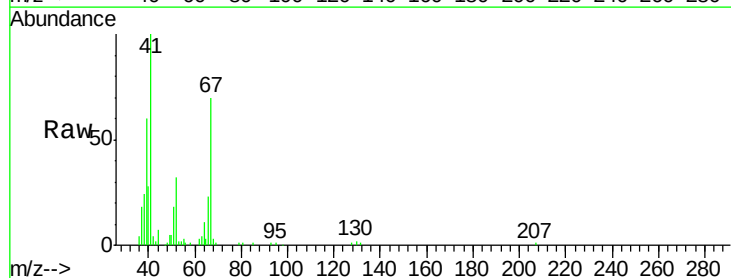
Ion Ratio Lower Upper

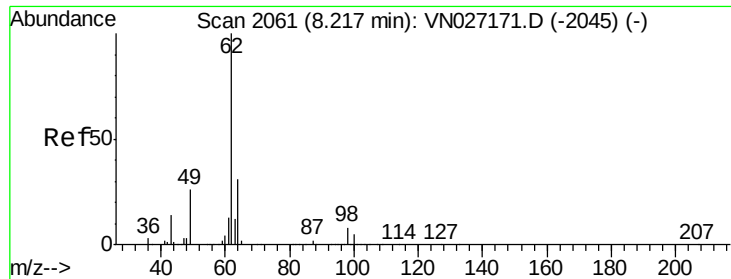
41 100

39 58.8 43.0 64.6

67 76.1 52.2 78.2

52 35.6 21.3 31.9#





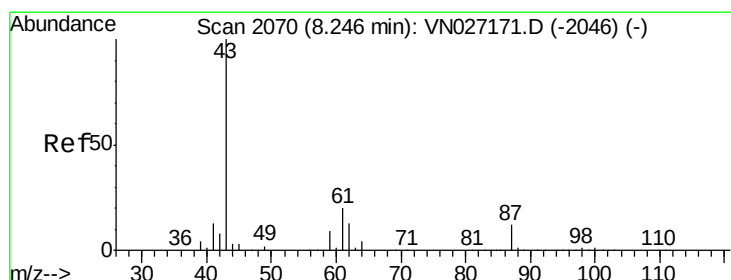
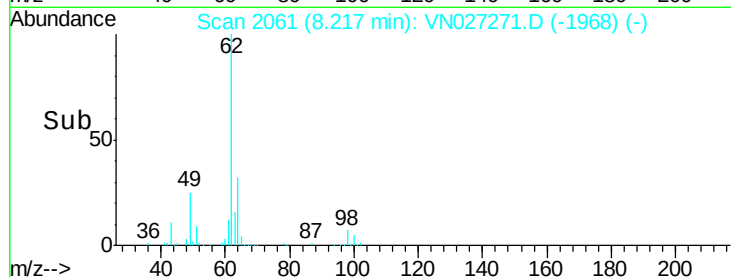
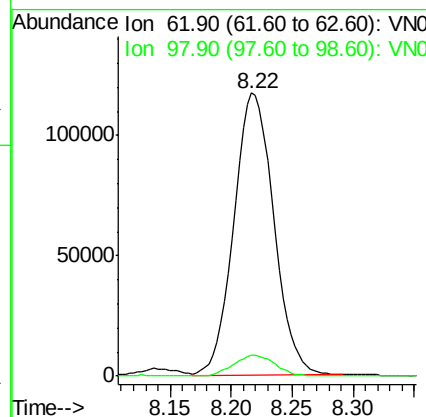
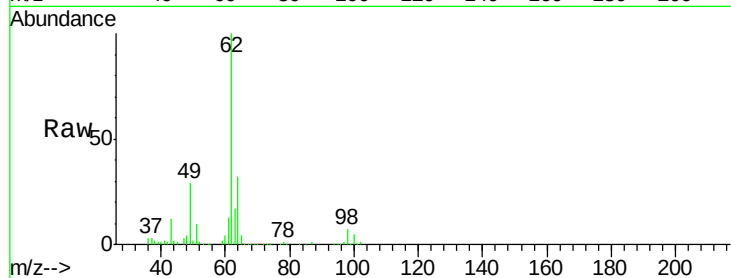
#43
 1,2-Dichloroethane
 Concen: 19.41 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
62	100	266482		
98	7.9	0.0	18.0	

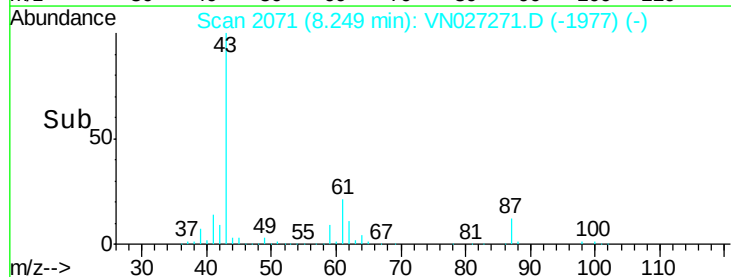
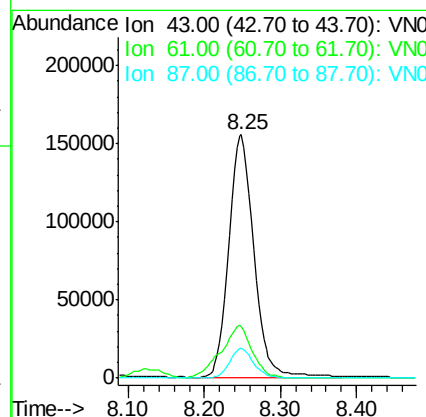
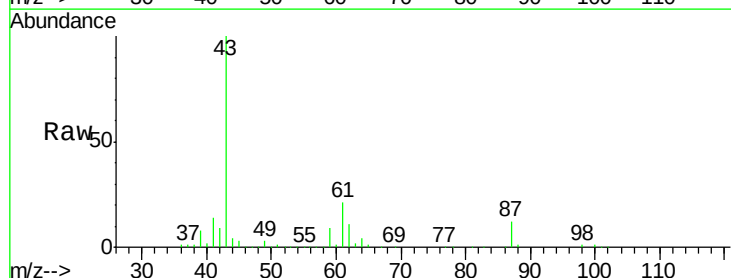
Manual Integrations
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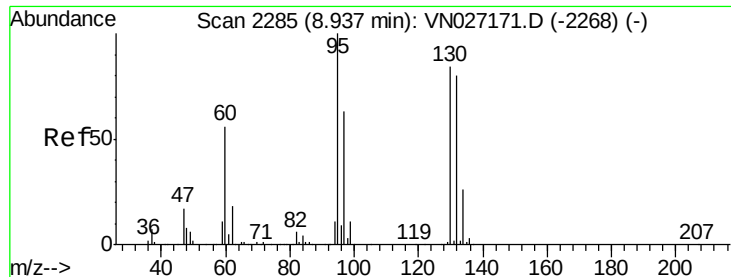
MMDadoda
 9/18/2015 12:24:02 PM



#44
 Isopropyl Acetate
 Concen: 19.22 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	358737		
61	26.2	20.6	31.0	
87	11.7	8.6	13.0	





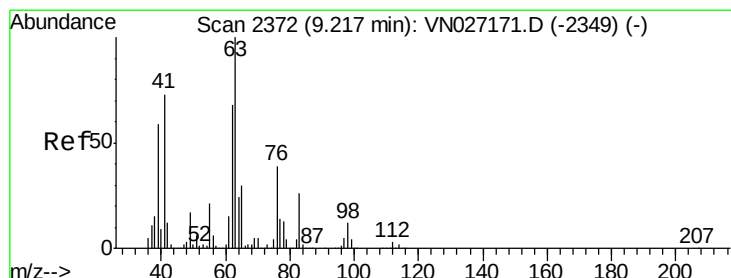
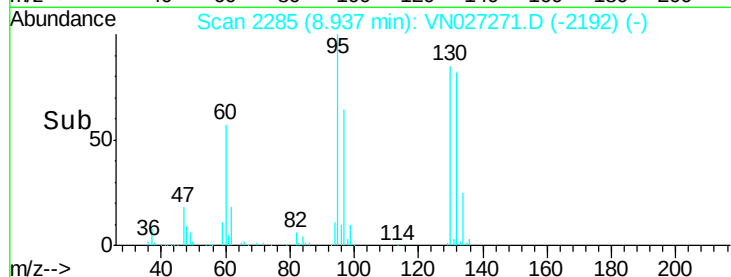
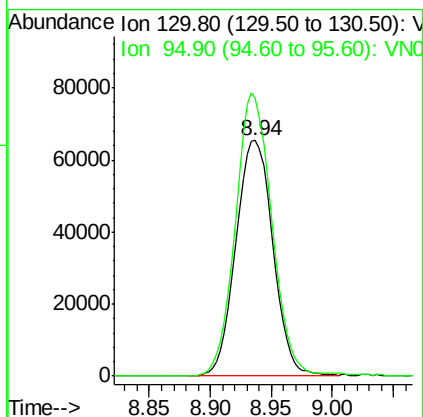
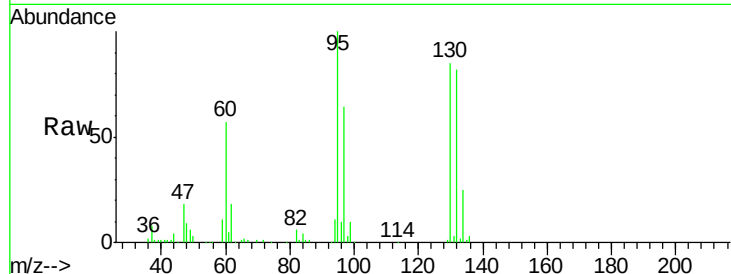
#45
 Trichloroethene
 Concen: 20.14 ug/l
 RT: 8.94 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	118.1	0.0	222.2	

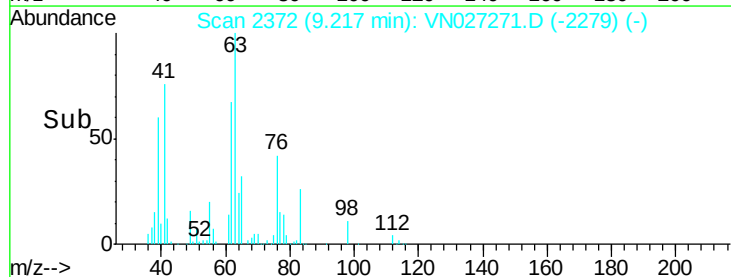
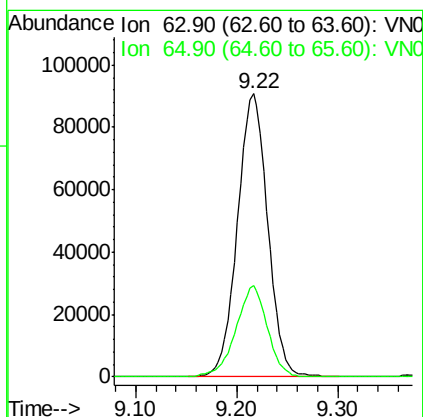
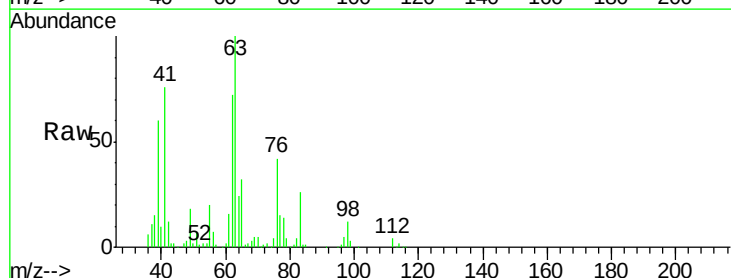
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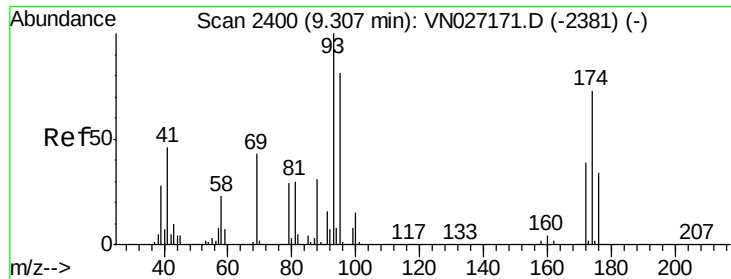
MMDadoda
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#46
 1,2-Dichloropropane
 Concen: 19.25 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	32.1	24.4	36.6	





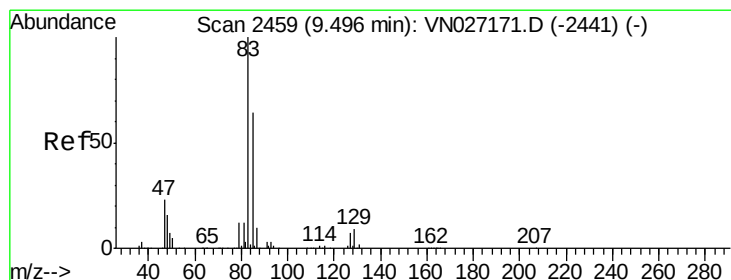
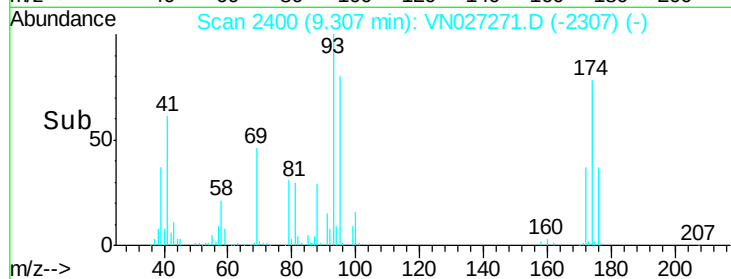
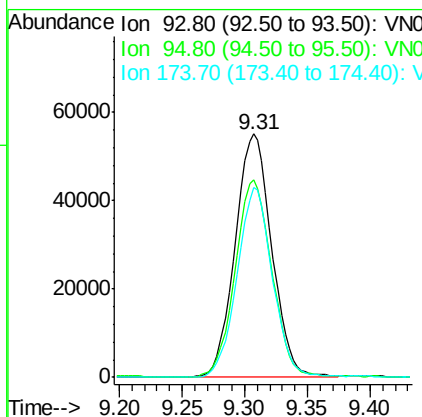
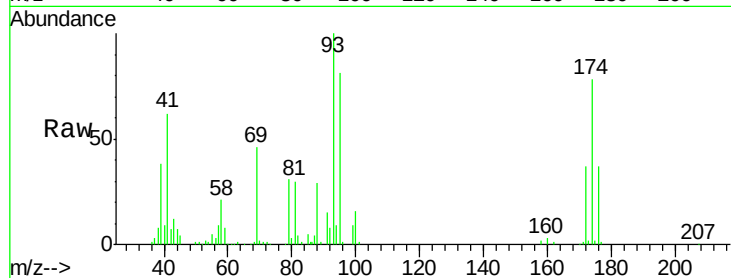
#47
 Dibromomethane
 Concen: 19.45 ug/l
 RT: 9.31 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
93	100	111991		
95	81.4	66.3	99.5	
174	75.1	67.8	101.6	

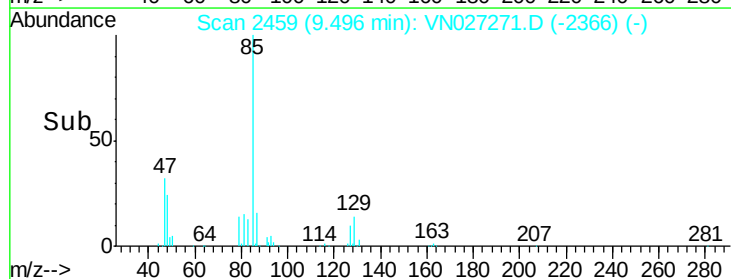
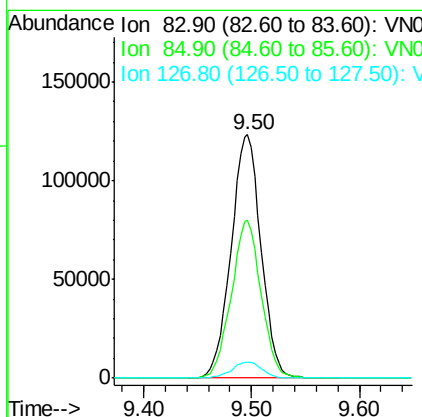
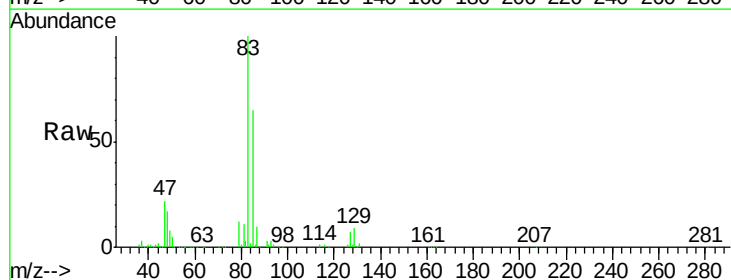
Manual Integrations
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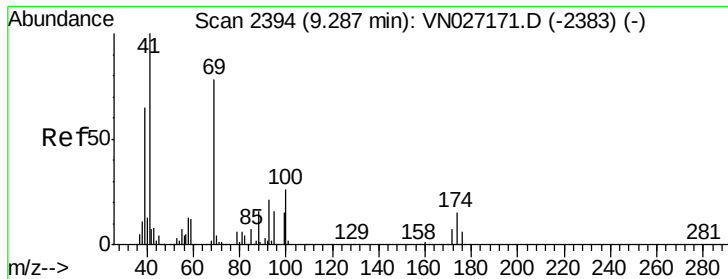
MMDadoda
 9/18/2015 12:24:02 PM



#48
 Bromodichloromethane
 Concen: 19.63 ug/l
 RT: 9.50 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	238209		
85	65.1	50.7	76.1	
127	6.6	5.5	8.3	





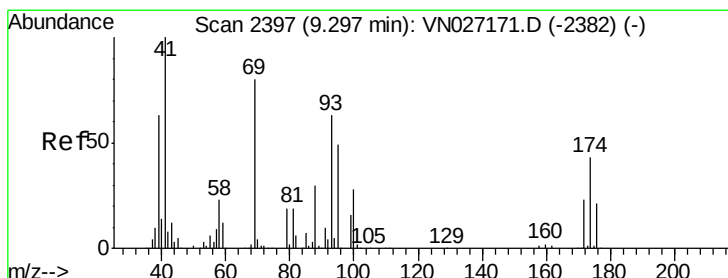
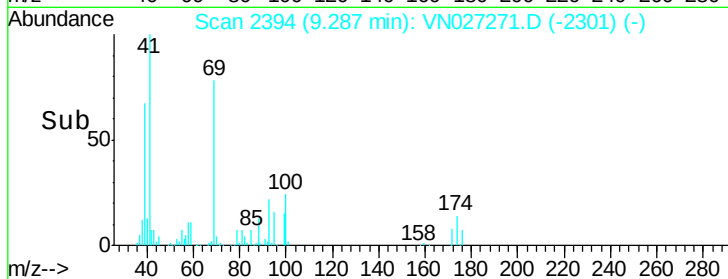
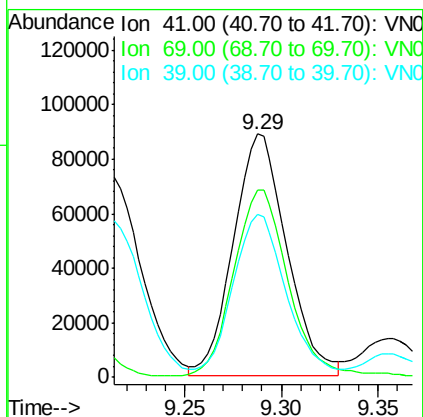
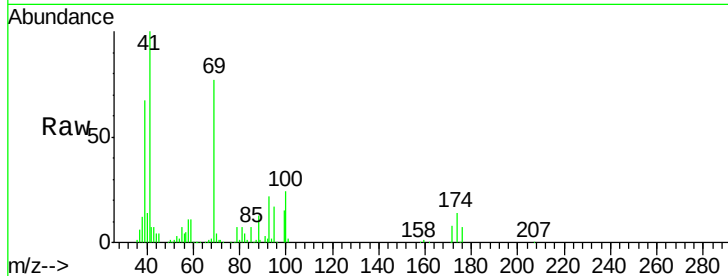
#49
Methvl methacrylate
Concen: 18.37 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	170884		
69	79.9	59.3	88.9	
39	66.3	39.5	59.3#	

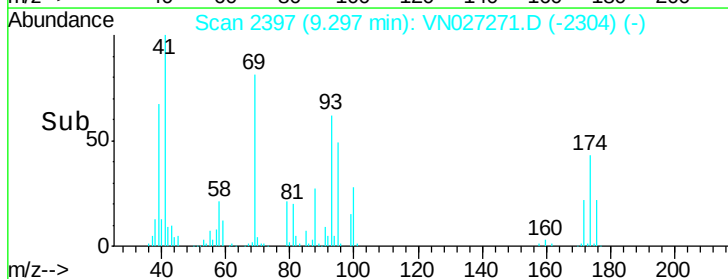
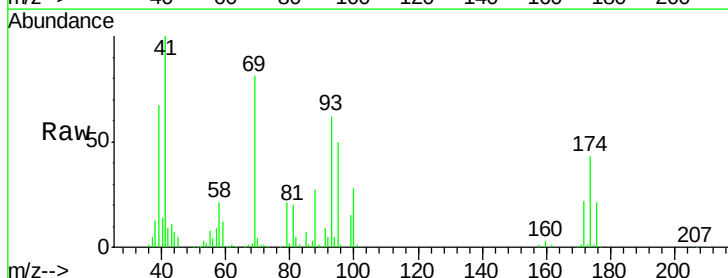
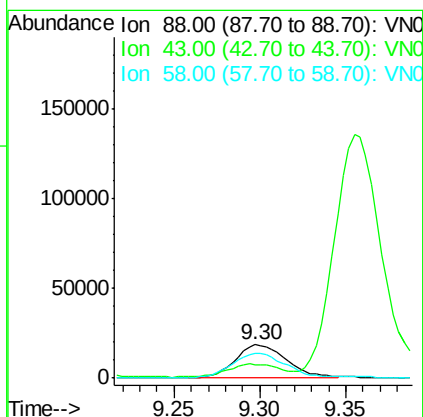
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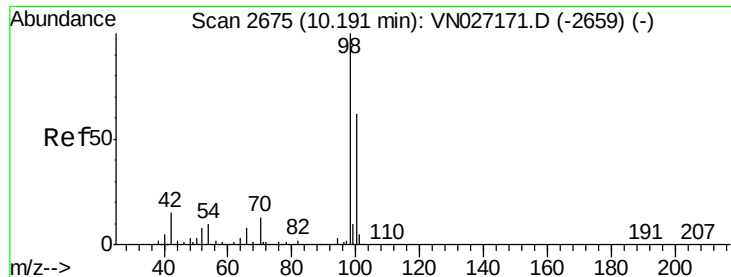
MMDadoda
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#50
1,4-Dioxane
Concen: 353.32 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	38543		
43	38.9	27.6	41.4	
58	78.0	63.1	94.7	





#51

Toluene-d8

Concen: 48.72 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 98 Resp: 1319730

Ion Ratio Lower Upper

98 100

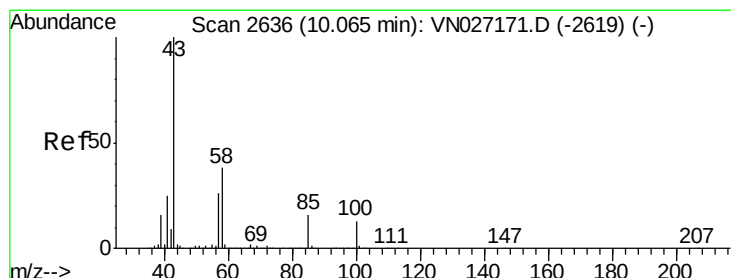
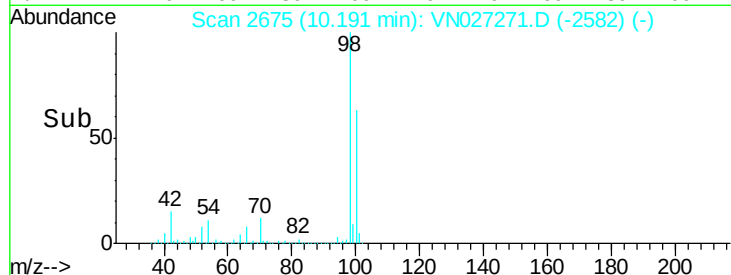
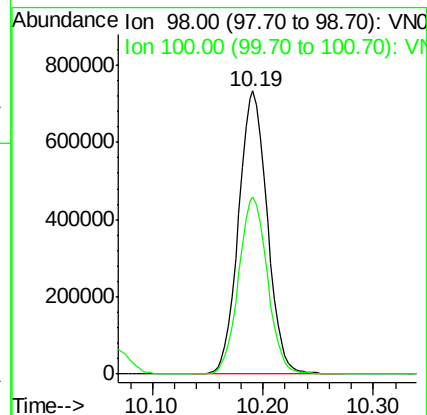
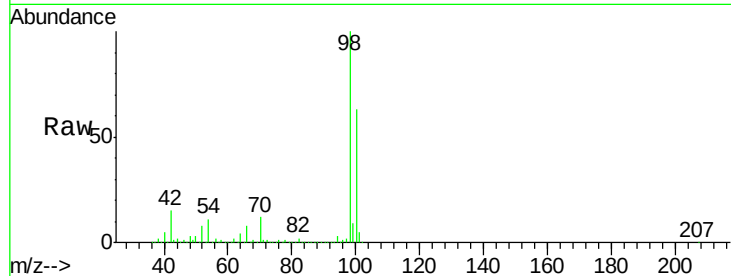
100 62.8 50.5 75.7

Manual Integrations

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9/18/2015 12:24:02 PM



#52

4-Methyl-2-Pentanone

Concen: 95.25 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027271.D

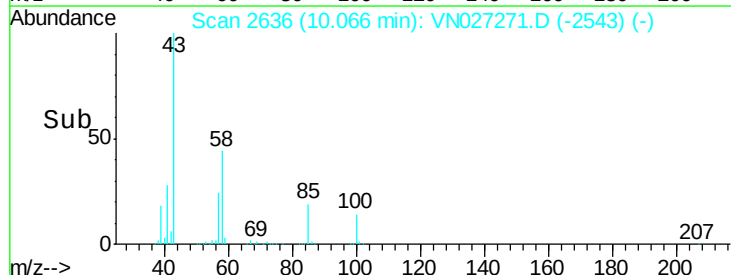
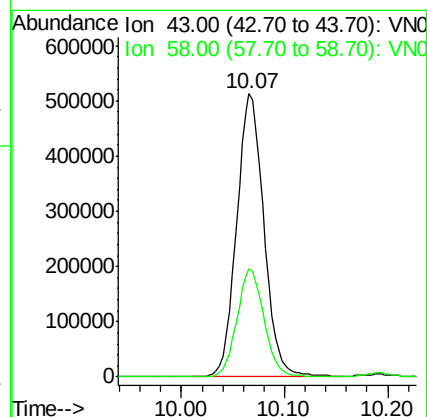
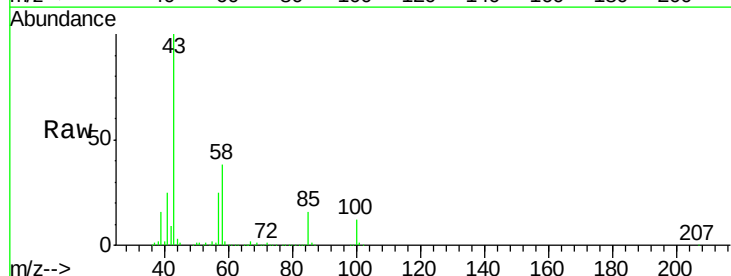
Acq: 17 Sep 2015 23:29

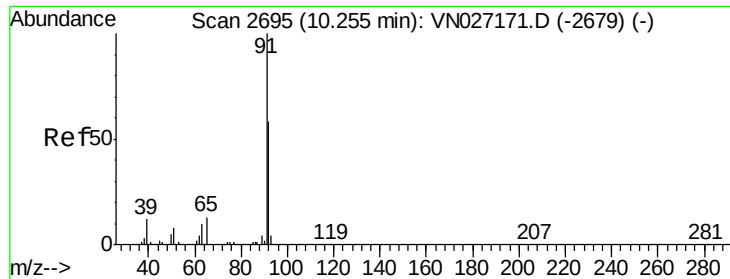
Tgt Ion: 43 Resp: 940219

Ion Ratio Lower Upper

43 100

58 38.1 29.8 44.8





#53

Toluene

Concen: 19.78 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 92 Resp: 394875

Ion Ratio Lower Upper

92 100

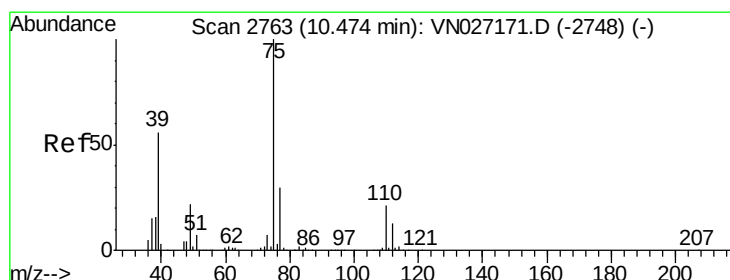
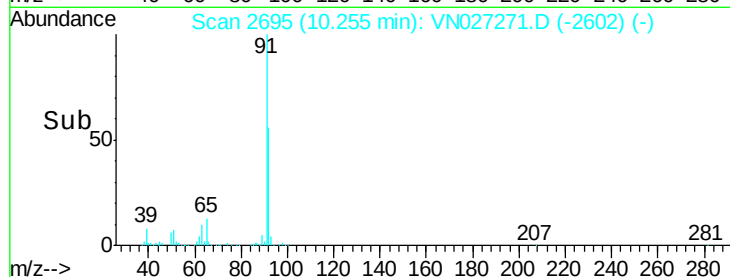
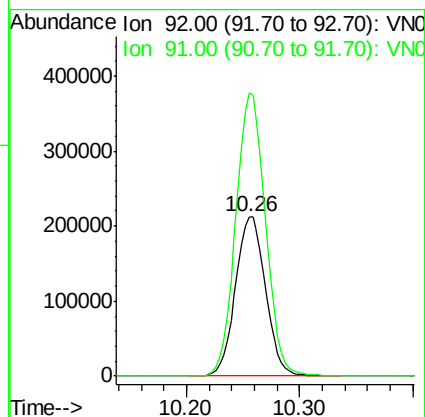
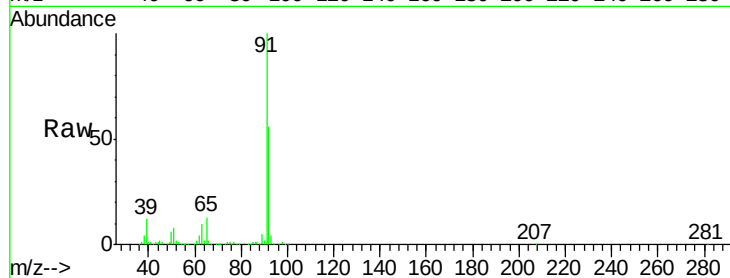
91 175.0 141.4 212.2

Manual Integrations

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#54

t-1,3-Dichloropropene

Concen: 17.78 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027271.D

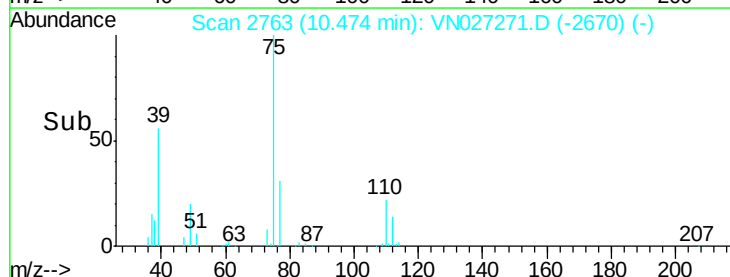
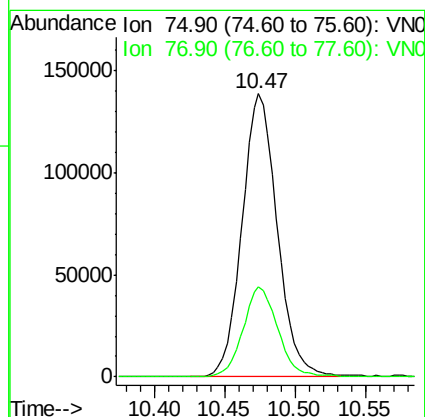
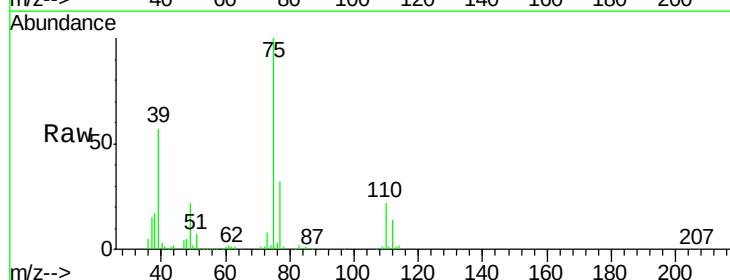
Acq: 17 Sep 2015 23:29

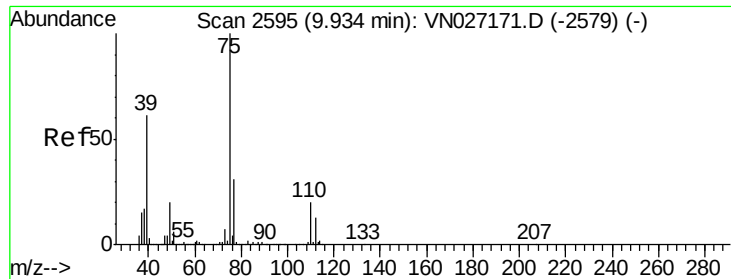
Tgt Ion: 75 Resp: 242320

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 18.35 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

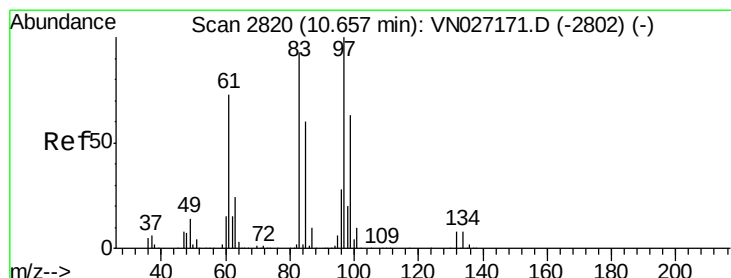
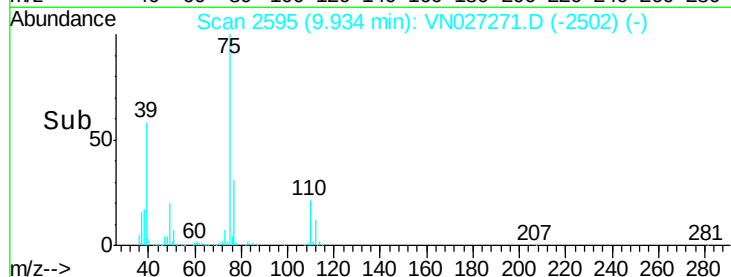
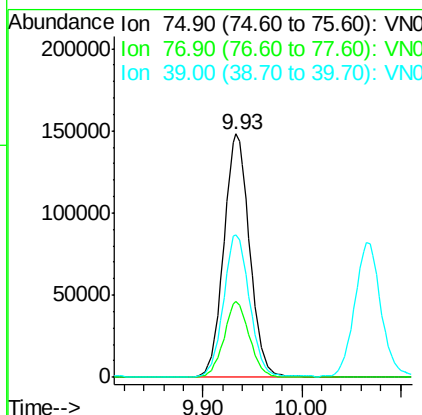
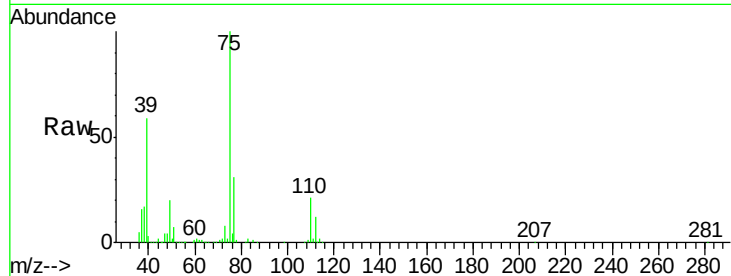
ClientSampleId :

VN0917WBSD02

Tot Ion:	75	Resp:	272029
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.6	38.4
39	58.4	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 19.88 ug/l

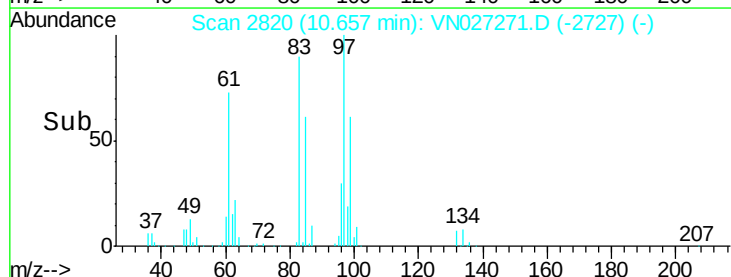
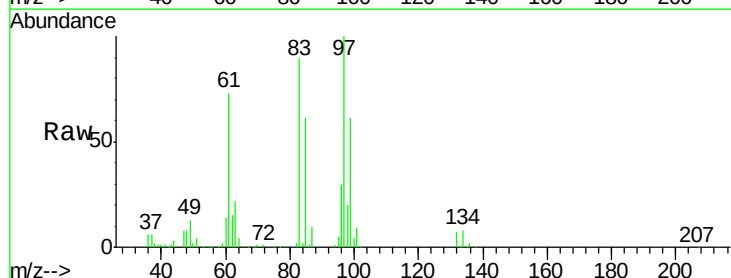
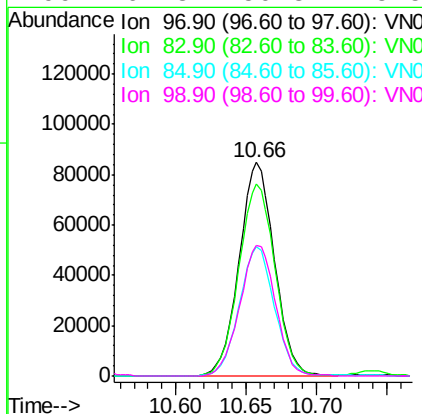
RT: 10.66 min Scan# 2820

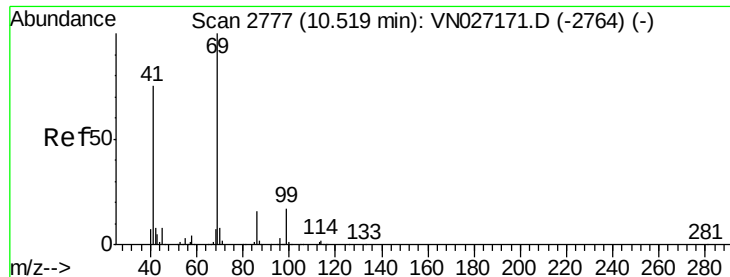
Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Tgt Ion:	97	Resp:	149198
Ion	Ratio	Lower	Upper
97	100		
83	90.0	75.0	112.4
85	60.6	48.0	72.0
99	61.3	50.3	75.5





#57

Ethyl methacrylate

Concen: 19.10 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

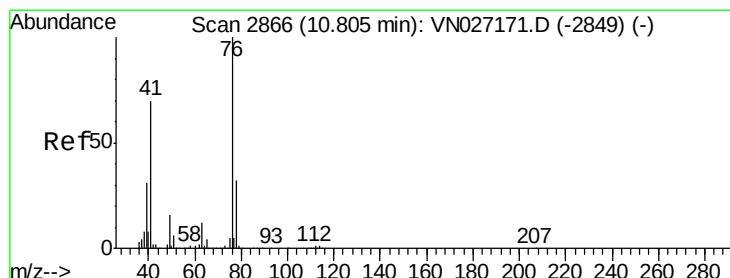
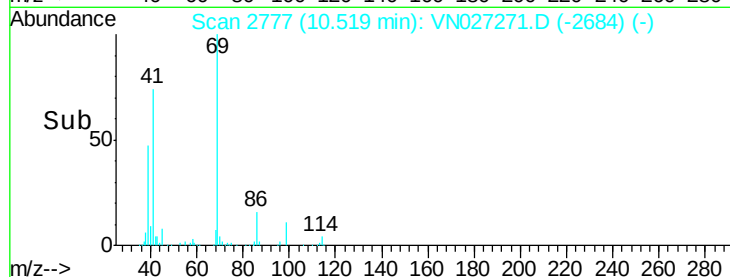
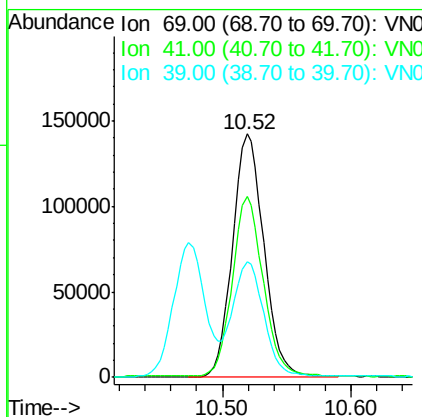
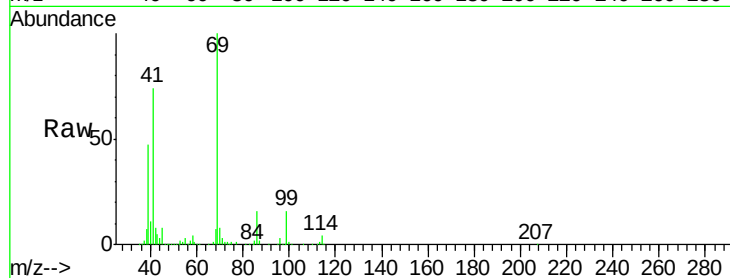
ClientSampleId :

VN0917WBSD02

Tot Ion:	69	Resp:	241531
Ion Ratio	Lower	Upper	
69	100		
41	72.1	61.3	91.9
39	47.0	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 20.12 ug/l

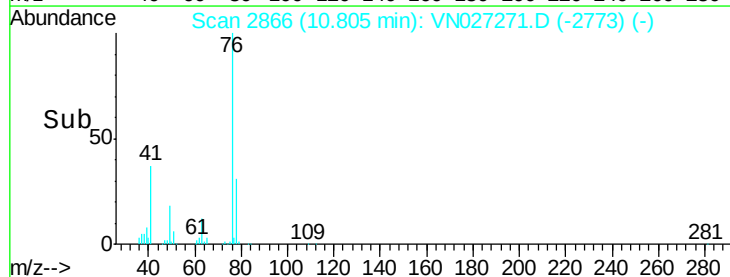
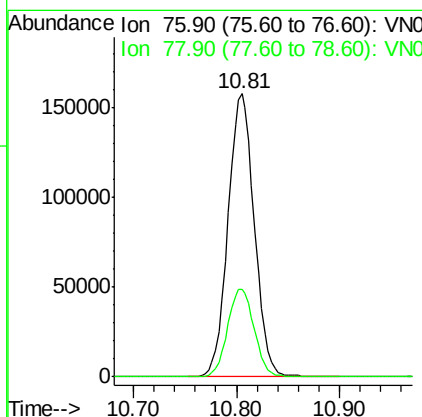
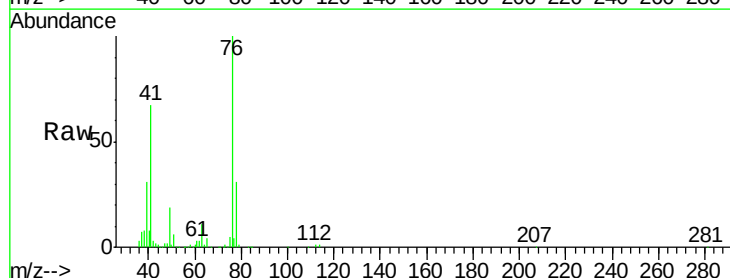
RT: 10.81 min Scan# 2866

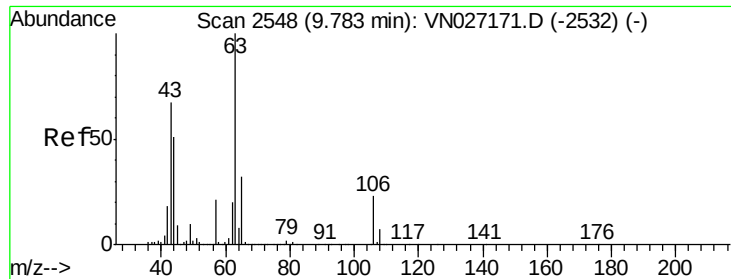
Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Tgt Ion:	76	Resp:	280282
Ion Ratio	Lower	Upper	
76	100		
78	31.4	25.0	37.6





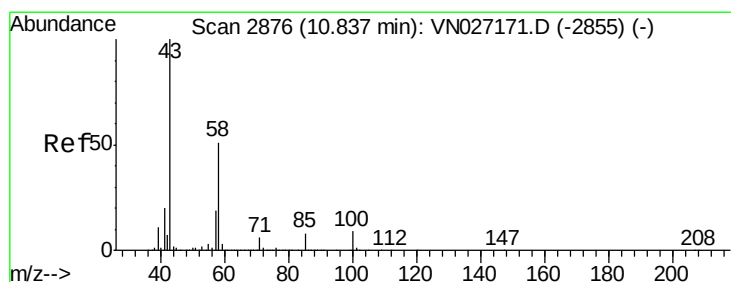
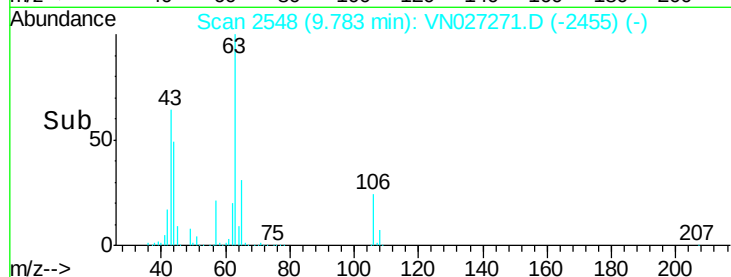
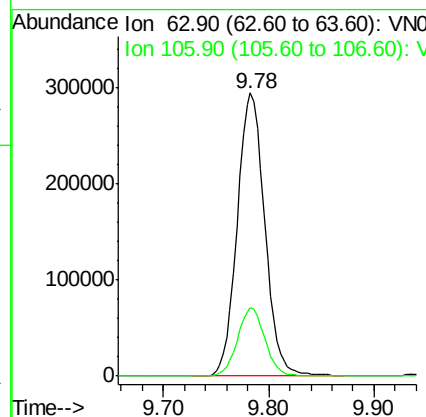
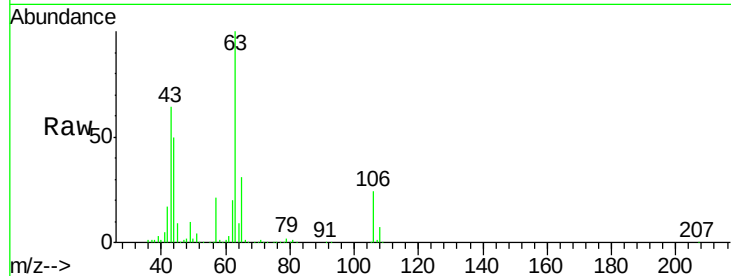
#59
2-Chloroethyl Vinyl ether
Concen: 91.97 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion: 63 Resp: 533975
Ion Ratio Lower Upper
63 100
106 23.9 17.7 26.5

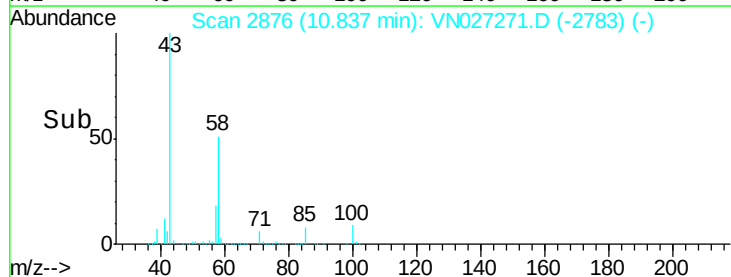
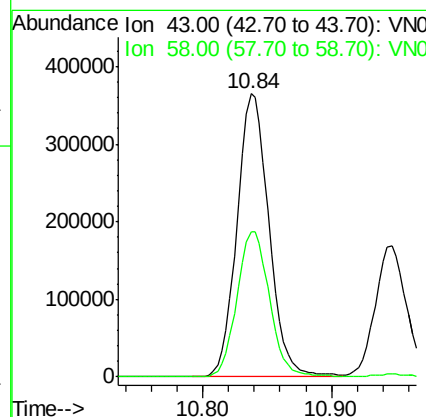
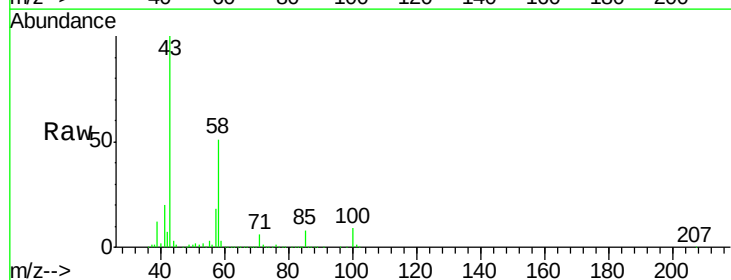
Manual Integrations
APPROVED

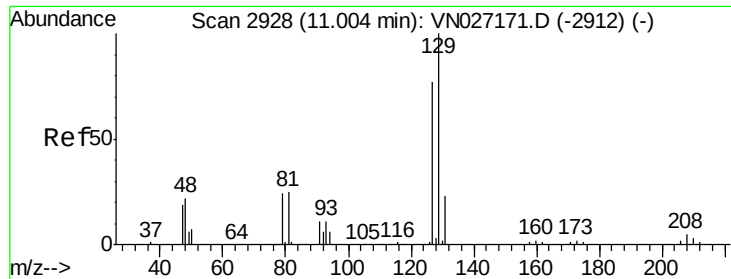
MMDadoda
9/18/2015 12:24:02 PM



#60
2-Hexanone
Concen: 92.91 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion: 43 Resp: 624350
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.5





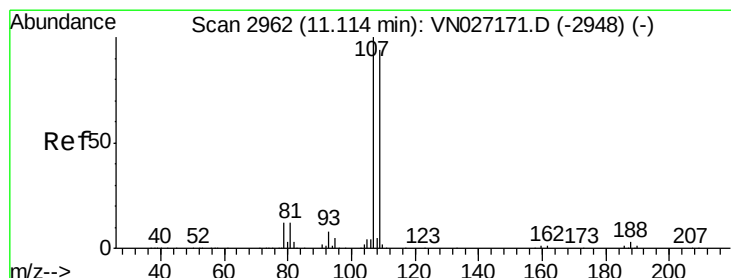
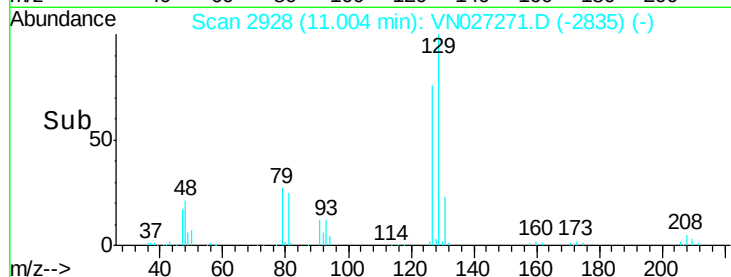
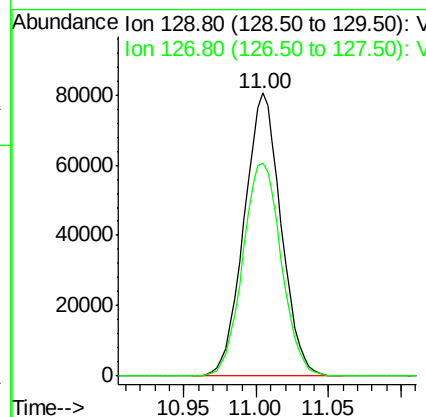
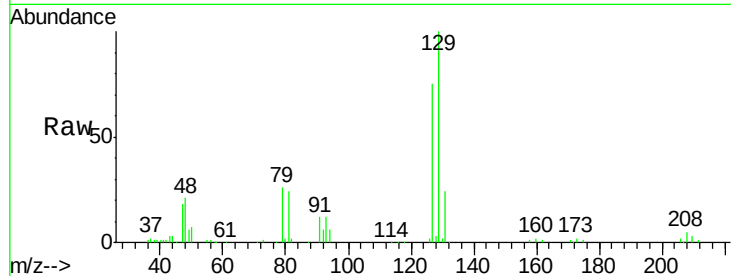
#61
 Dibromochloromethane
 Concen: 18.62 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2

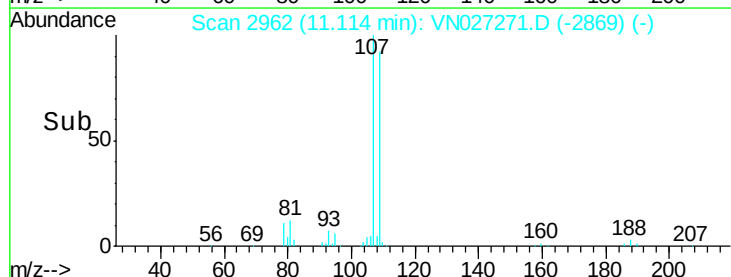
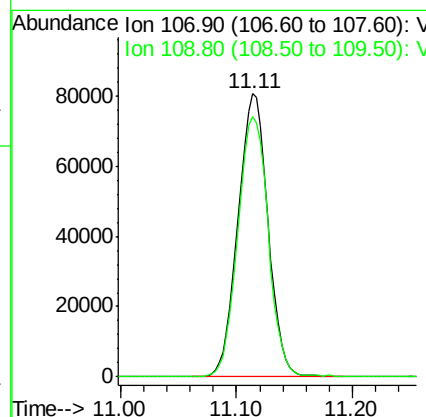
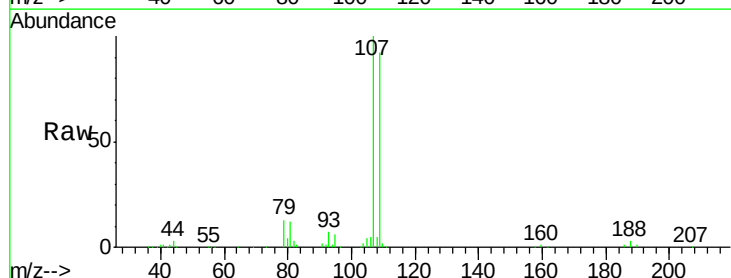
Manual Integrations
 APPROVED

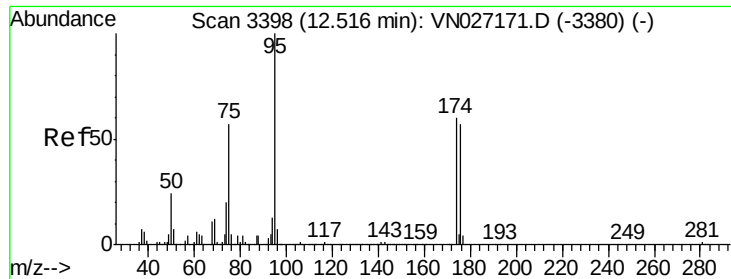
MMDadoda
 9/18/2015 12:24:02 PM



#62
 1,2-Dibromoethane
 Concen: 19.51 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.6	113.4





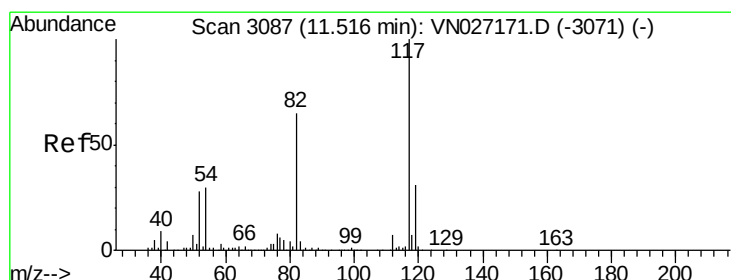
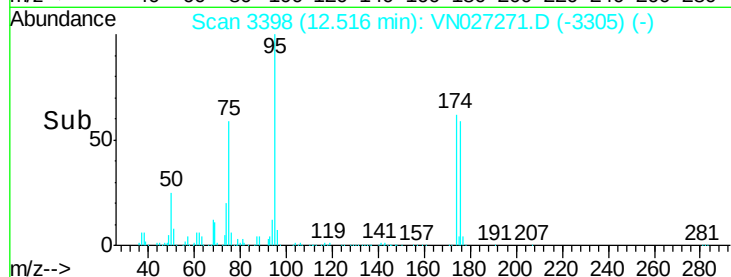
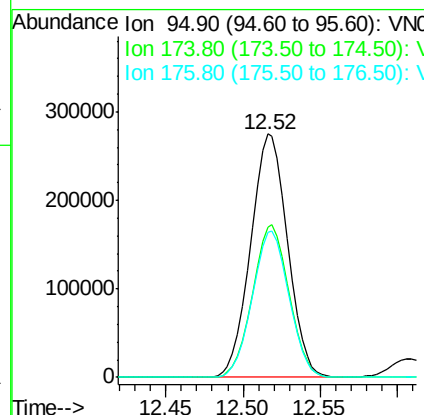
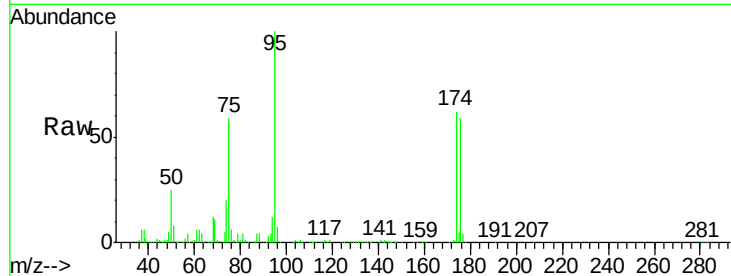
#63
 4-Bromofluorobenzene
 Concen: 47.53 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
95	100	456960		
174	62.0	0.0	137.0	
176	59.7	0.0	130.8	

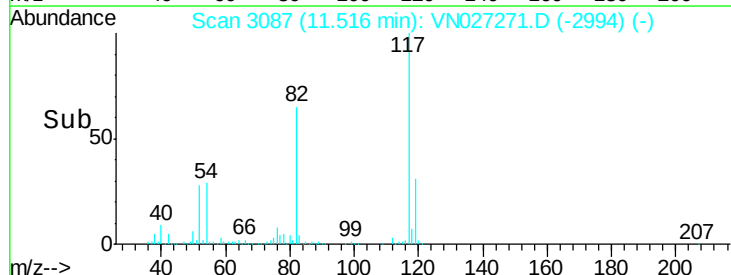
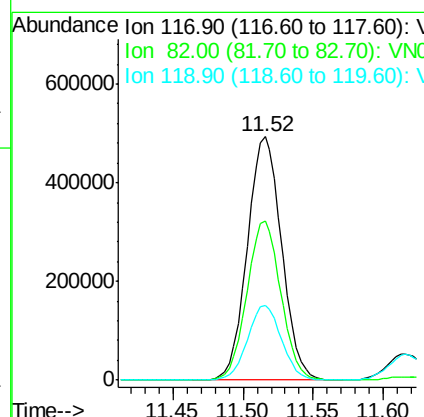
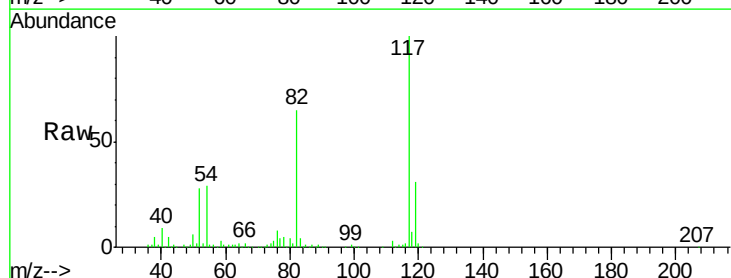
Manual Integrations
 APPROVED

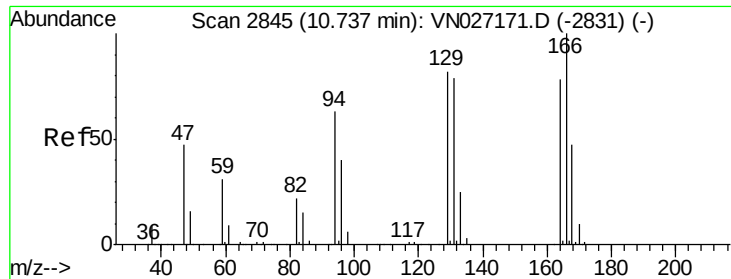
MMDadoda
 9/18/2015 12:24:02 PM



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	840478		
82	65.2	49.6	74.4	
119	30.7	24.6	36.8	





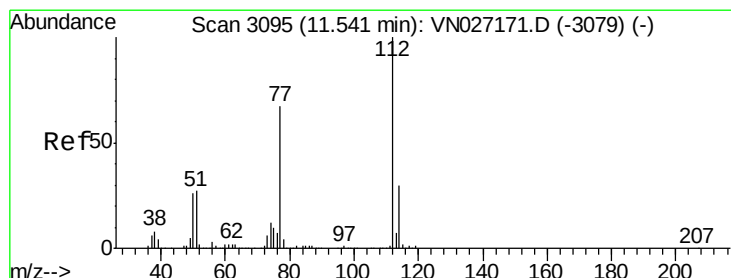
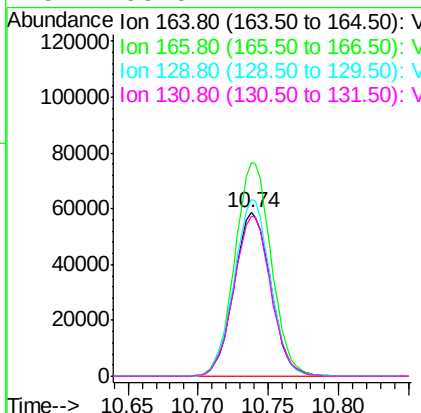
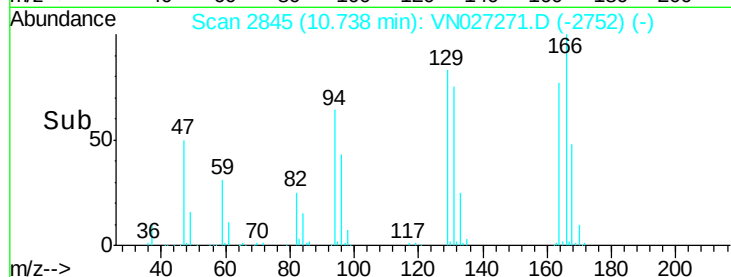
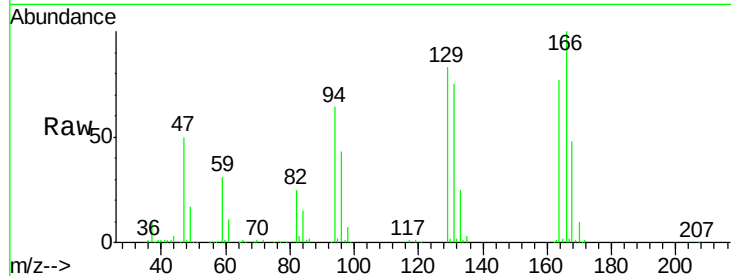
#65
Tetrachloroethene
Concen: 19.93 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.0
129	107.9	77.5	116.3
131	98.0	74.2	111.4

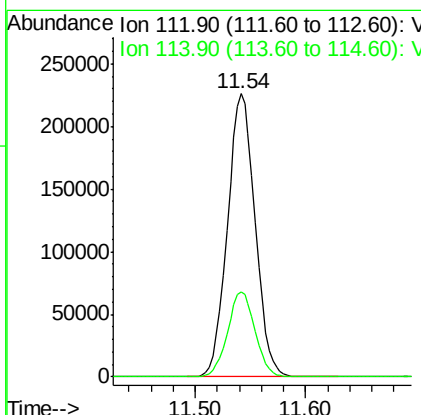
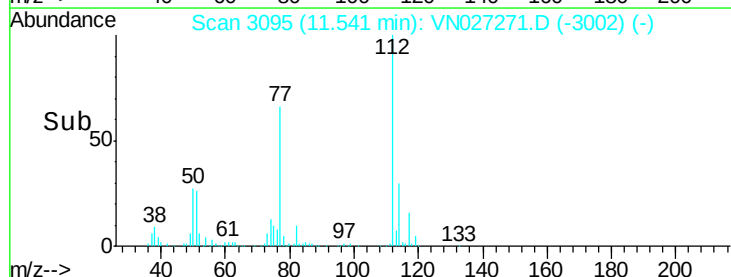
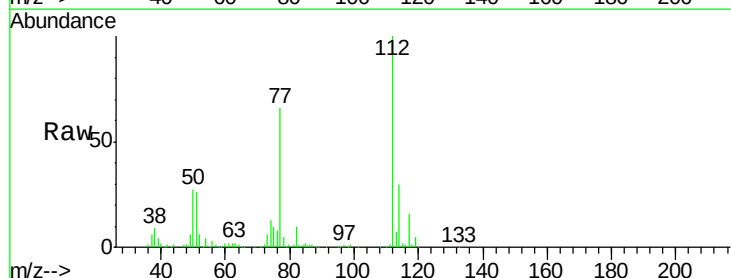
Manual Integrations
APPROVED

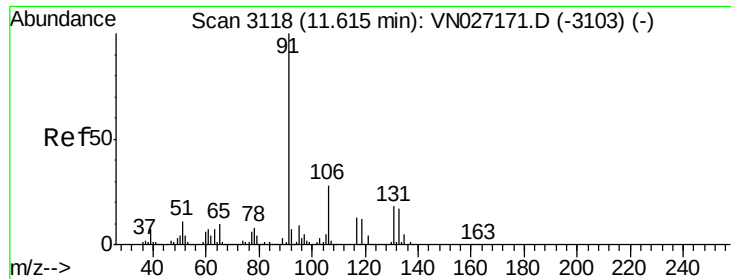
MMDadoda
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#66
Chlorobenzene
Concen: 19.73 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.1	24.9	37.3





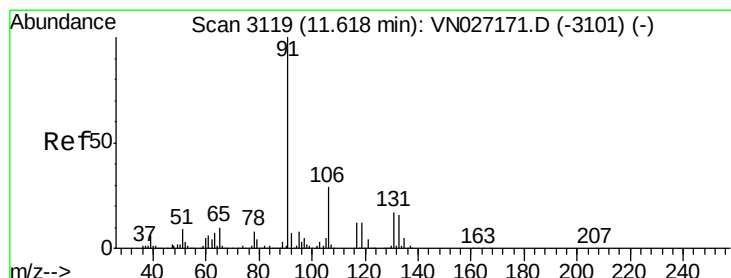
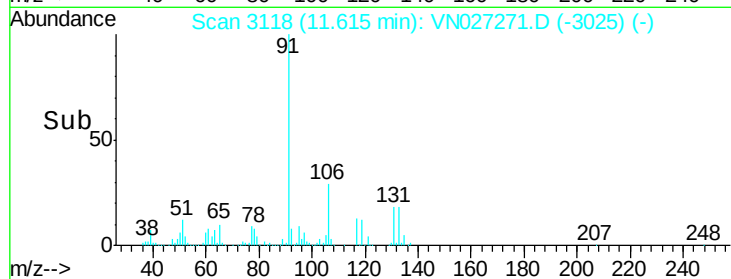
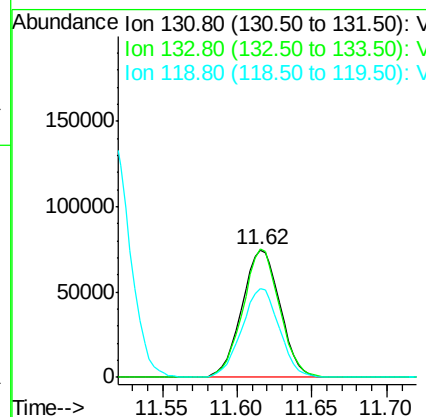
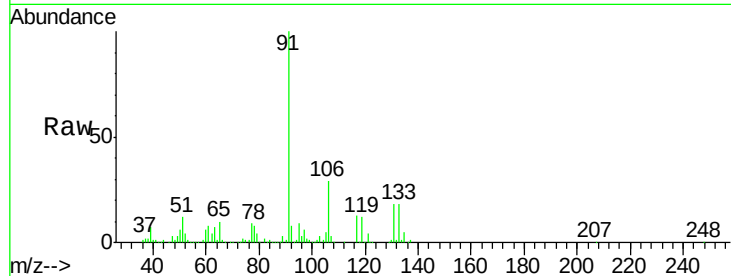
#67
 1,1,1,2-Tetrachloroethane
 Concen: 19.63 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
131	100	132855		
133	96.5	47.0	141.2	
119	68.4	35.1	105.5	

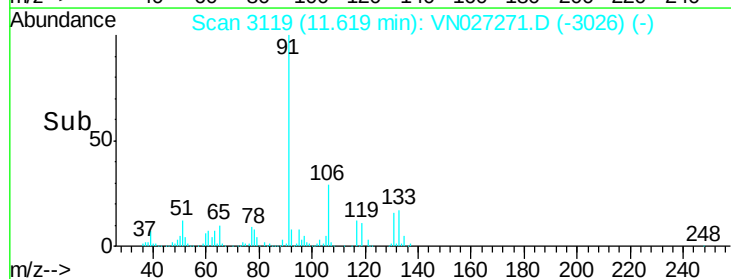
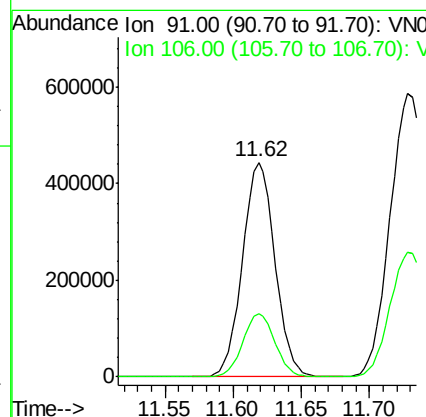
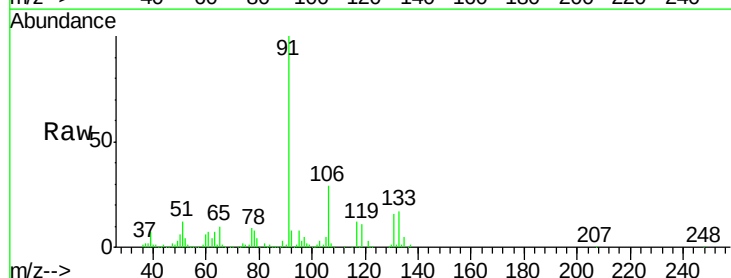
Manual Integrations
 APPROVED

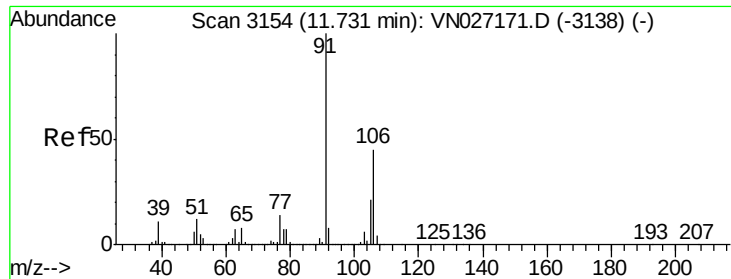
MMDadoda
 9/18/2015 12:24:02 PM



#68
 Ethyl Benzene
 Concen: 19.48 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	733086		
106	29.3	23.1	34.7	





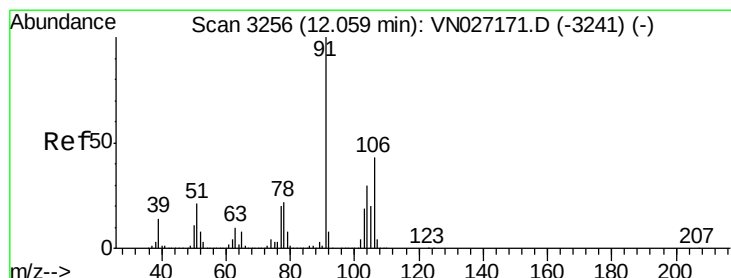
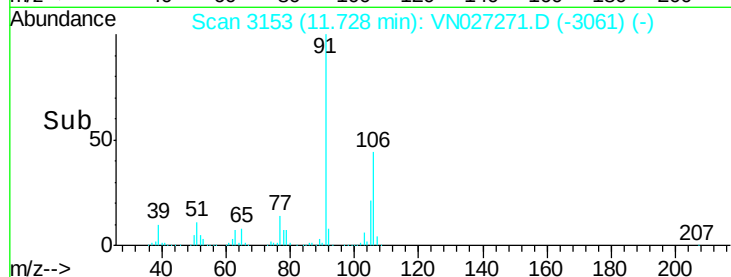
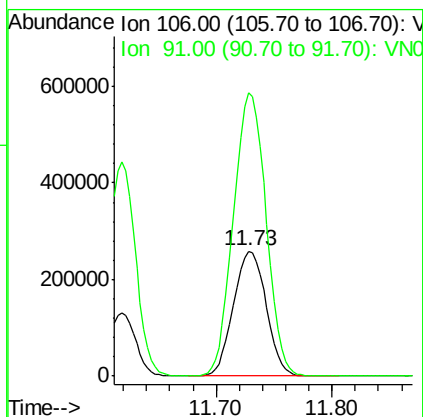
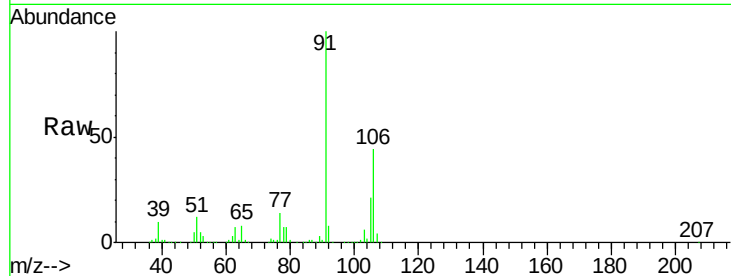
#69
m/p-Xylenes
Concen: 39.11 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		507654		
91	224.7	167.1	250.7		

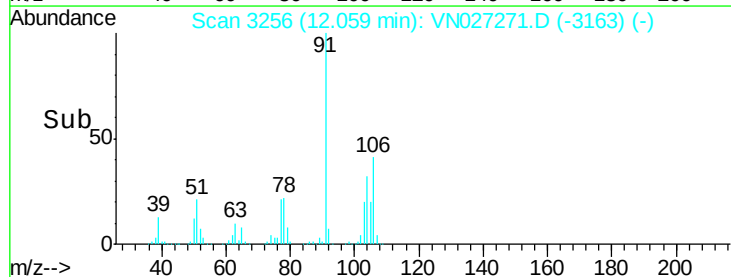
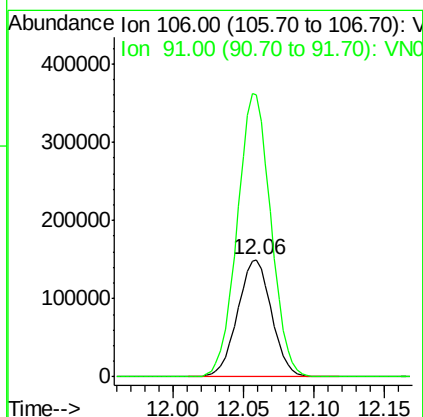
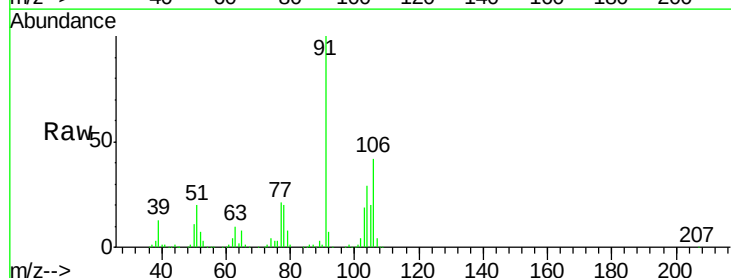
Manual Integrations
APPROVED

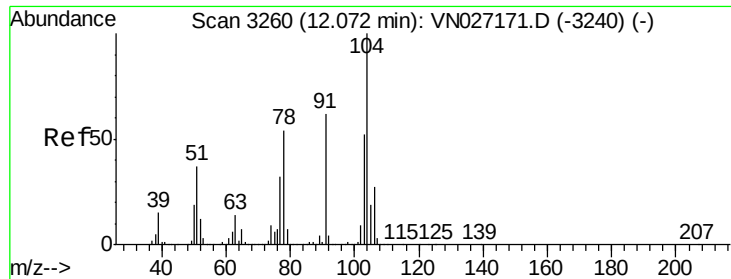
MMDadoda
9/18/2015 12:24:02 PM



#70
o-Xylene
Concen: 19.40 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		252419		
91	239.5	110.7	331.9		





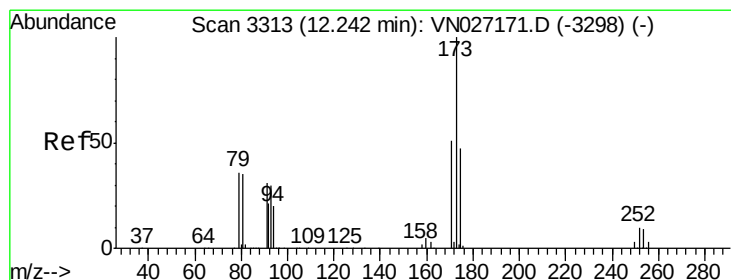
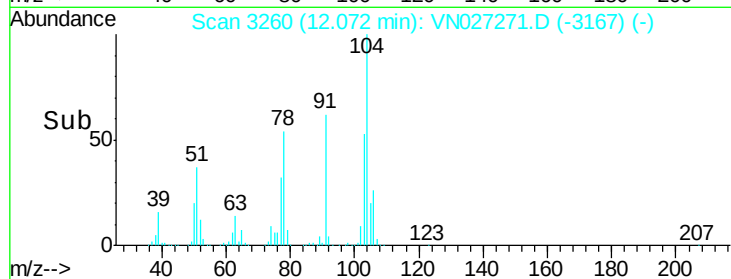
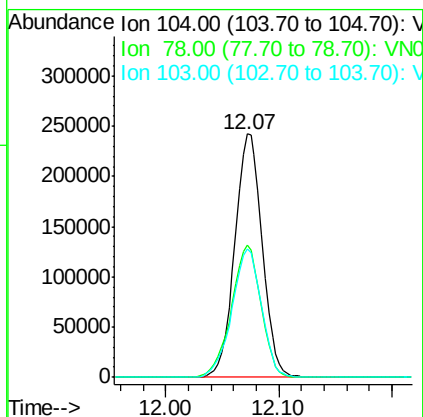
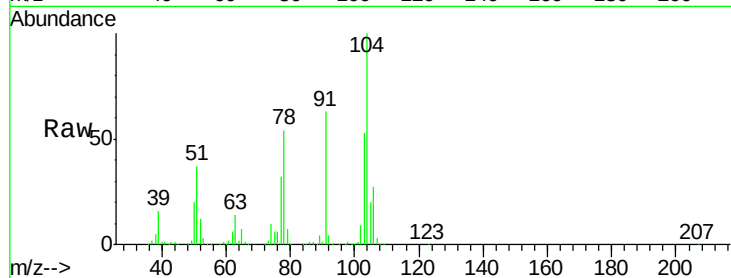
#71
Stvrene
Concen: 19.50 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
104	100	409671		
78	58.6		41.6	62.4
103	56.8		44.2	66.2

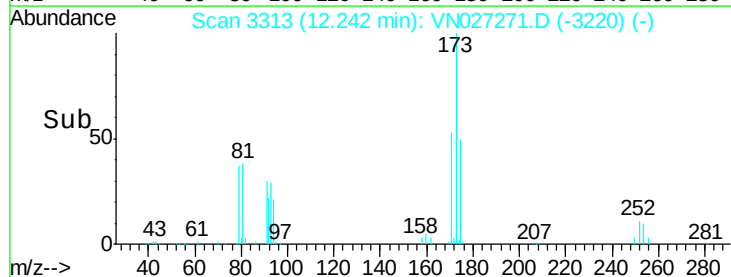
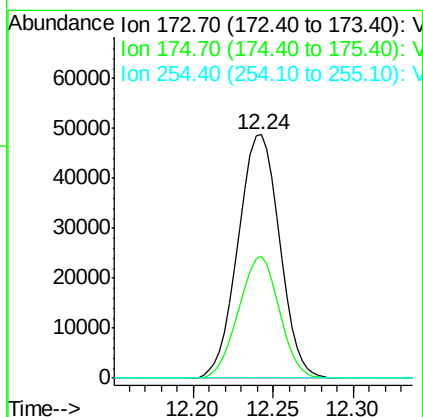
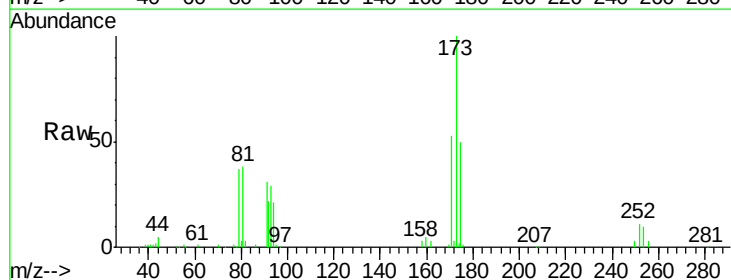
Manual Integrations
APPROVED

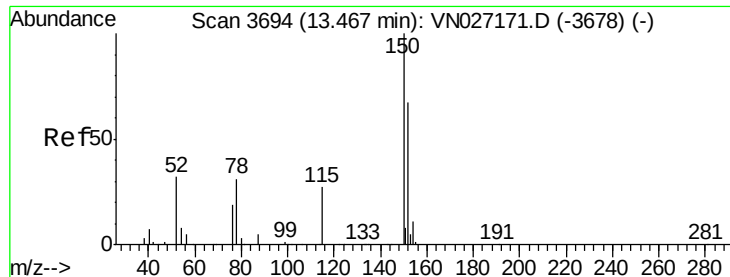
MMDadoda
9/18/2015 12:24:02 PM



#72
Bromoform
Concen: 18.39 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	86567		
175	48.8		24.4	73.4
254	0.0		0.1	0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

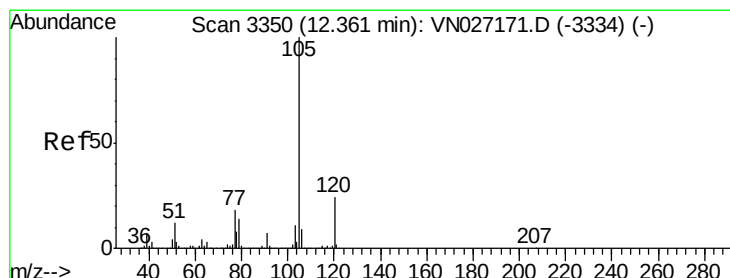
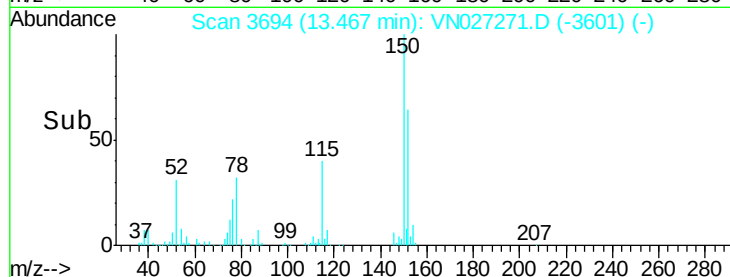
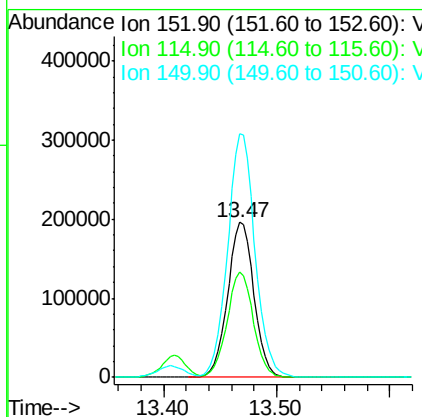
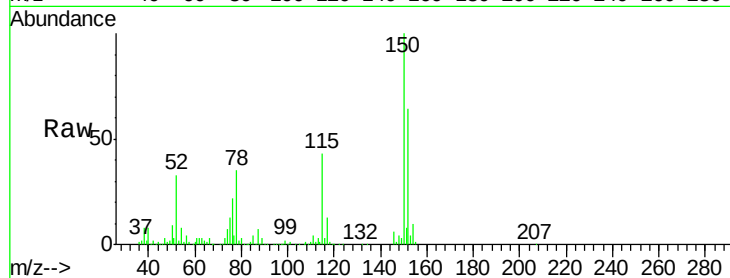
ClientSampleId :

VN0917WBSD02

Tot Ion:	152	Resp:	315075
Ion Ratio	Lower	Upper	
152	100		
115	68.0	30.8	92.3
150	164.1	0.0	345.0

Manual Integrations
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#74

Isopropylbenzene

Concen: 19.91 ug/l

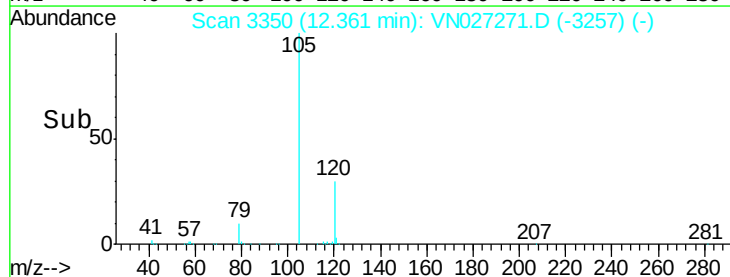
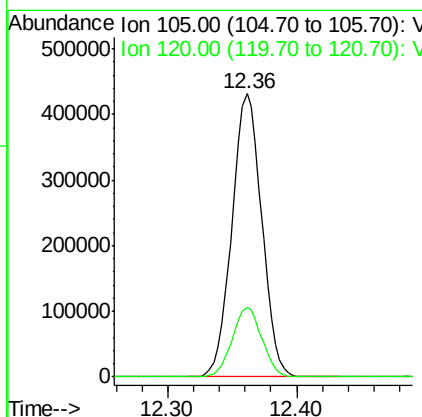
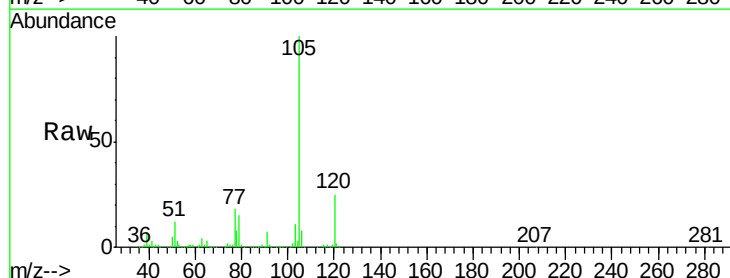
RT: 12.36 min Scan# 3350

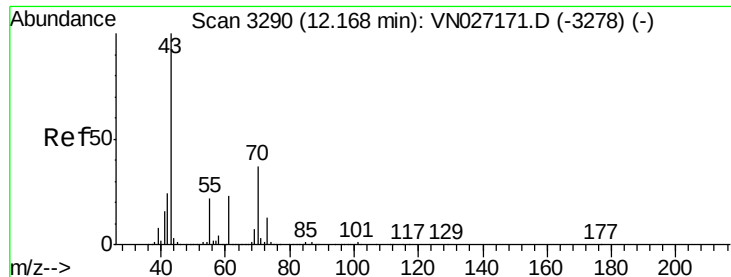
Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Tgt Ion:	105	Resp:	691119
Ion Ratio	Lower	Upper	
105	100		
120	24.3	12.4	37.2





#75

N-amvl acetate

Concen: 18.66 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

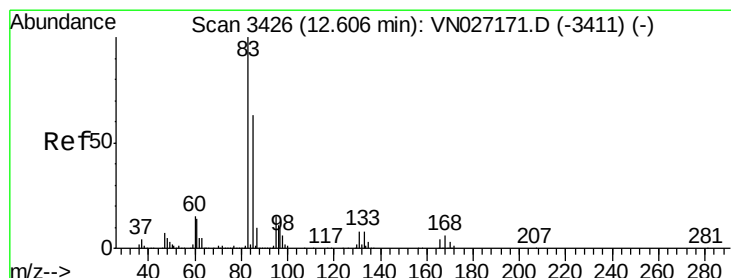
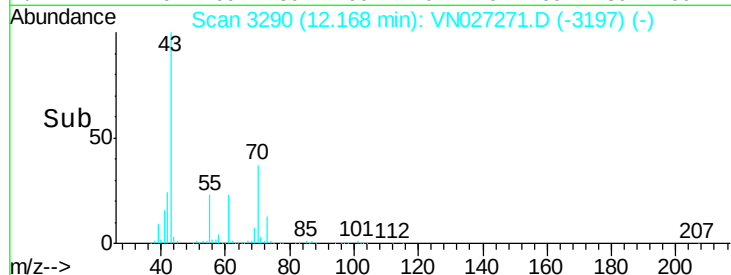
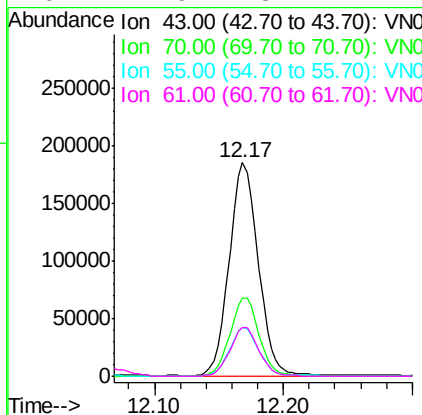
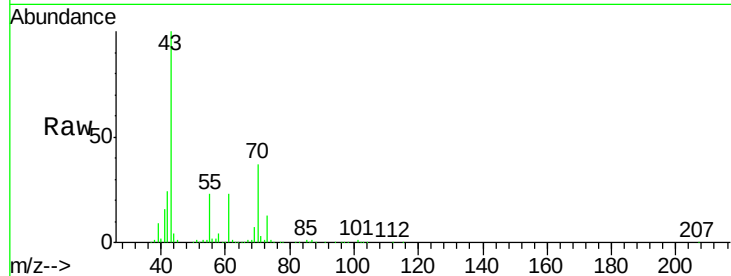
ClientSampleId :

VN0917WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		289170		
70	36.9	29.8	44.8		
55	22.8	19.4	29.0		
61	22.9	18.2	27.2		

Manual Integrations
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#76

1,1,2,2-Tetrachloroethane

Concen: 20.51 ug/l

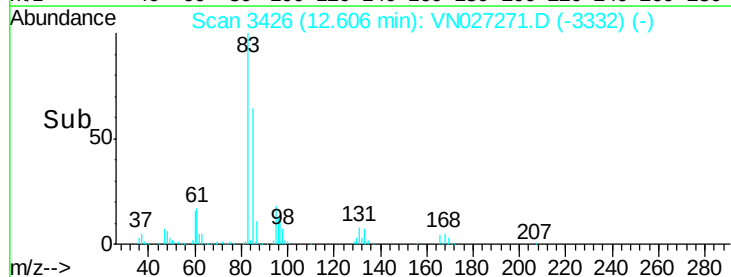
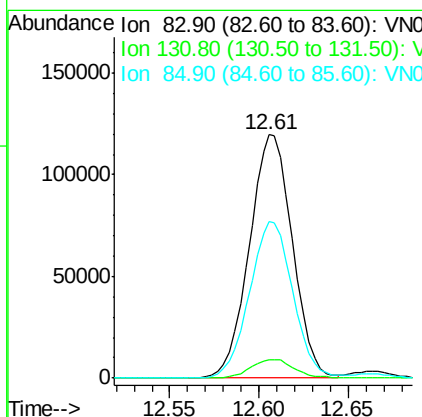
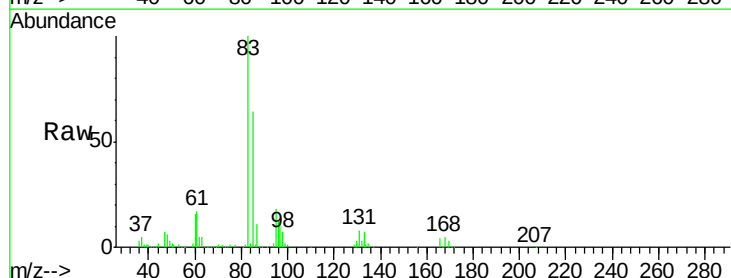
RT: 12.61 min Scan# 3426

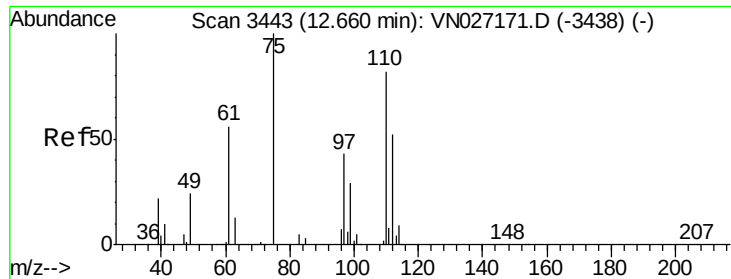
Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		202069		
131	7.9	4.1	12.3		
85	64.7	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 19.70 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 75 Resp: 187617

Ion Ratio Lower Upper

75 100

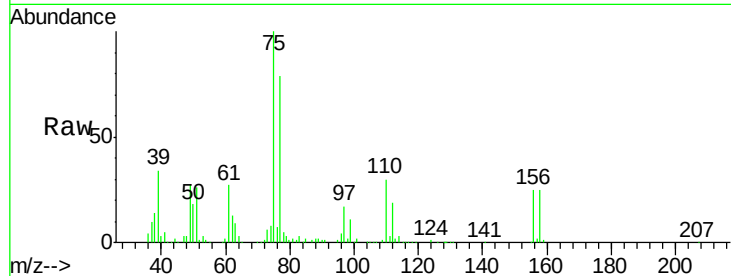
77 192.3 103.1 309.3

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

200000

150000

100000

50000

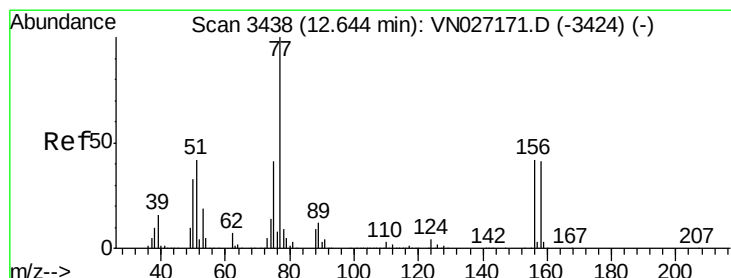
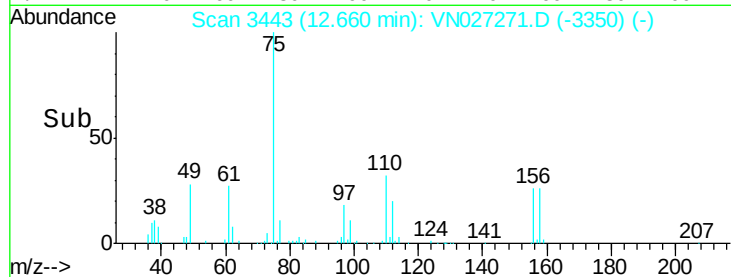
0

12.66

12.65

12.70

Time-->



#78

Bromobenzene

Concen: 19.65 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

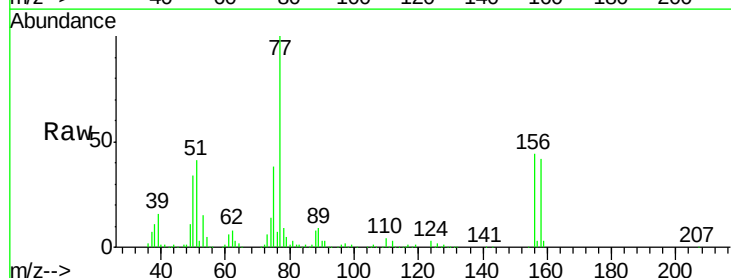
Tgt Ion: 156 Resp: 133791

Ion Ratio Lower Upper

156 100

77 269.6 127.3 381.9

158 97.9 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

250000

200000

150000

100000

50000

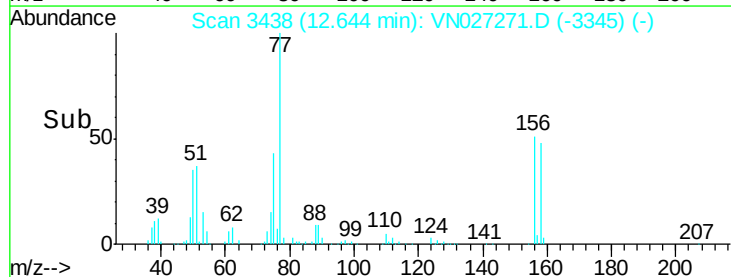
0

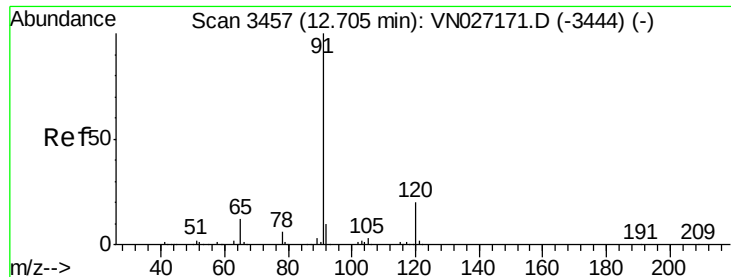
12.64

12.60

12.70

Time-->





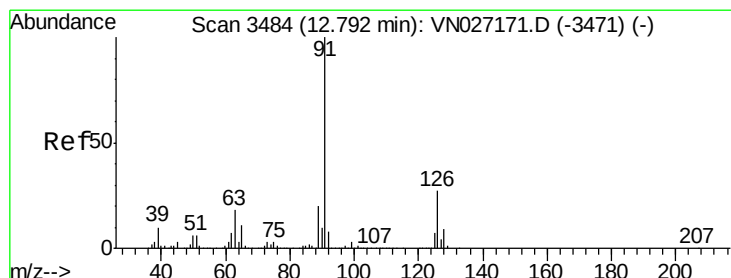
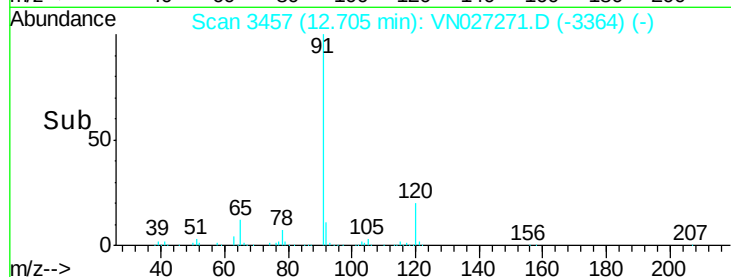
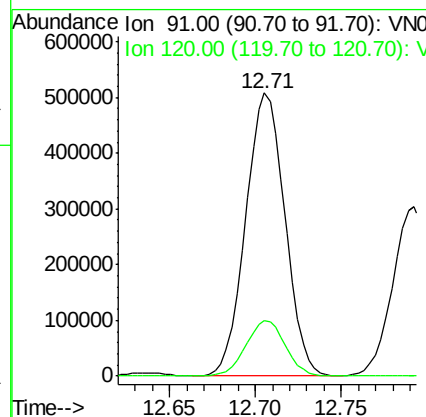
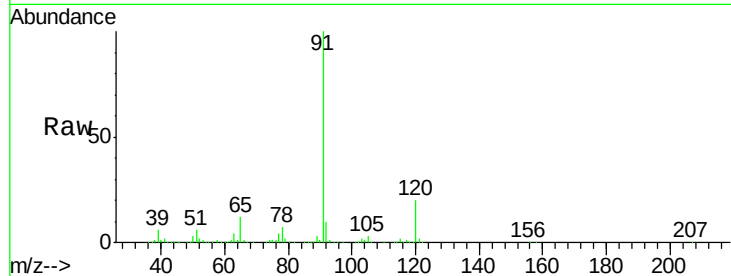
#79
n-propylbenzene
Concen: 19.68 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
120	19.7	10.3	30.8

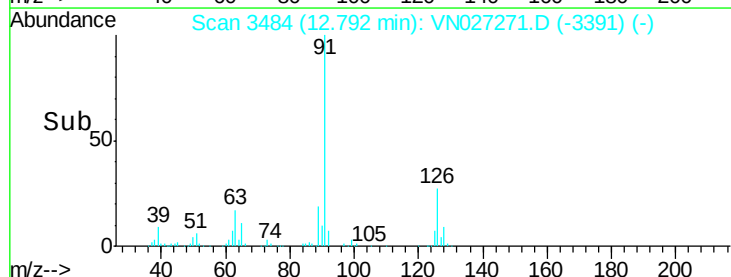
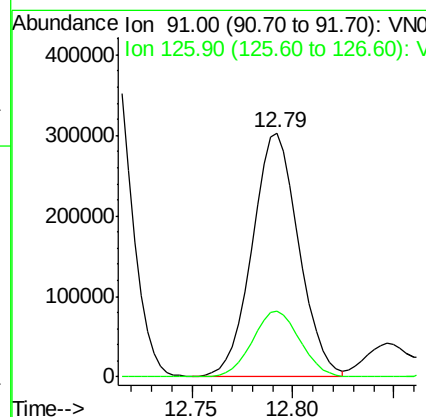
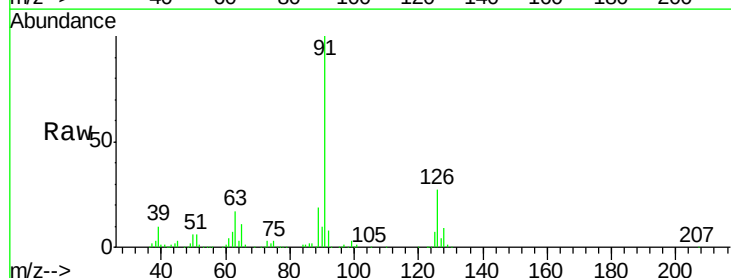
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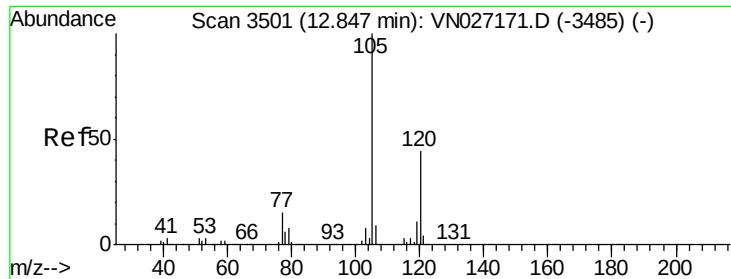
MMDadoda
9/18/2015 12:24:02 PM



#80
2-Chlorotoluene
Concen: 19.85 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	15.2	45.5





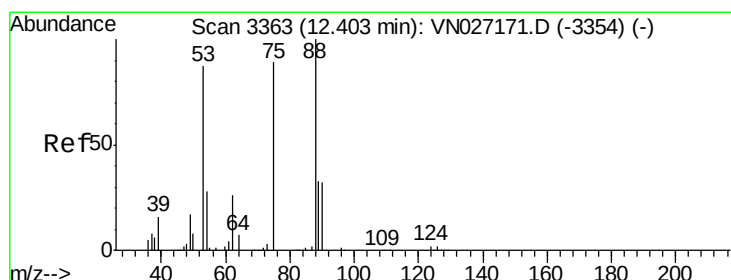
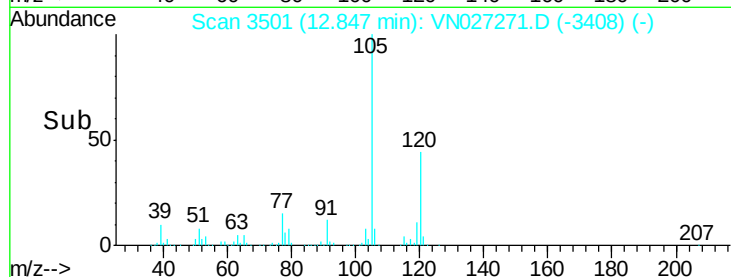
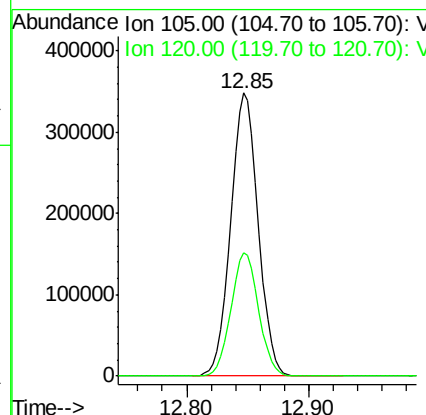
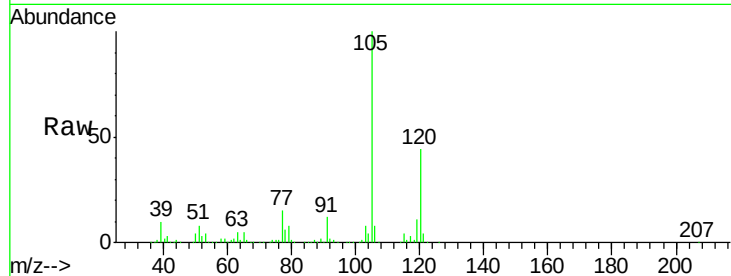
#81
 1,3,5-Trimethylbenzene
 Concen: 19.64 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion:105 Resp: 547927
 Ion Ratio Lower Upper
 105 100
 120 43.8 23.4 70.0

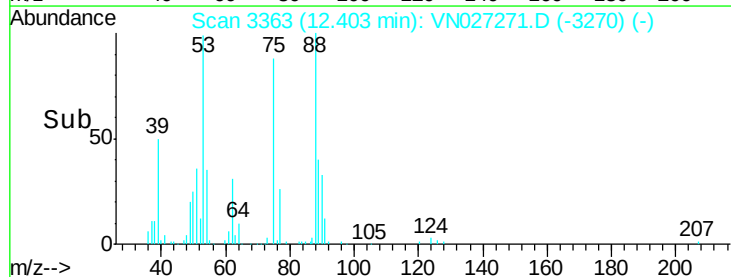
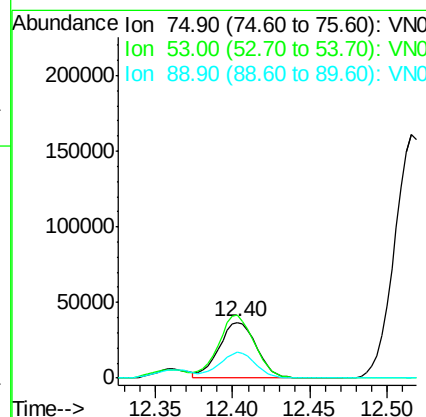
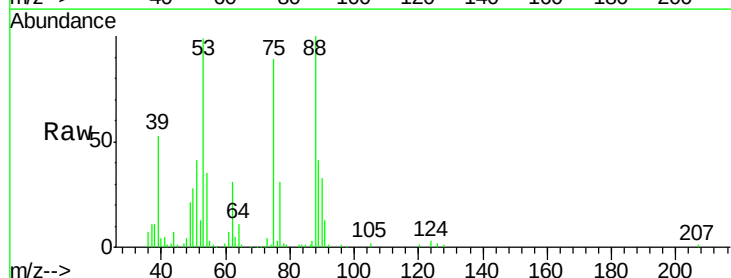
Manual Integrations
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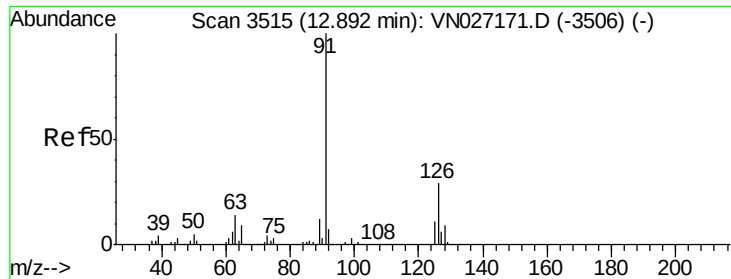
MMDadoda
 9/18/2015 12:24:02 PM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 16.13 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion: 75 Resp: 62516
 Ion Ratio Lower Upper
 75 100
 53 105.7 92.9 139.3
 89 44.0 34.2 51.4





#83

4-Chlorotoluene

Concen: 20.00 ug/l

RT: 12.89 min Scan# 3514

Delta R.T. -0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion: 91 Resp: 482005

Ion Ratio Lower Upper

91 100

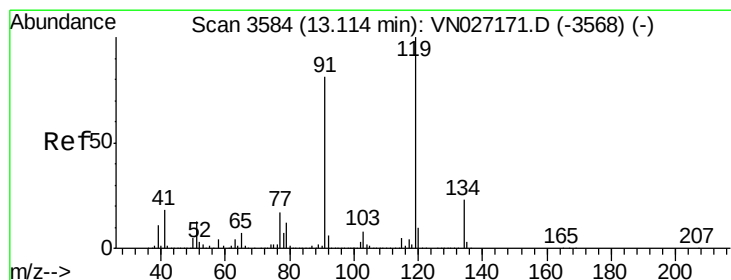
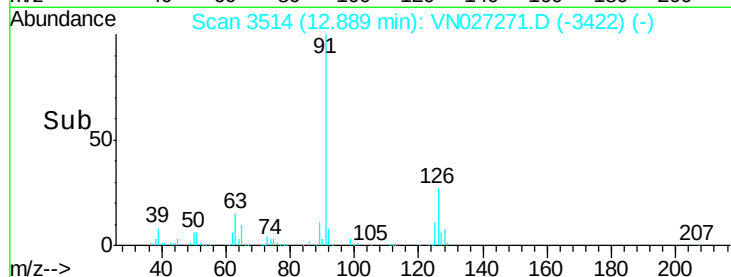
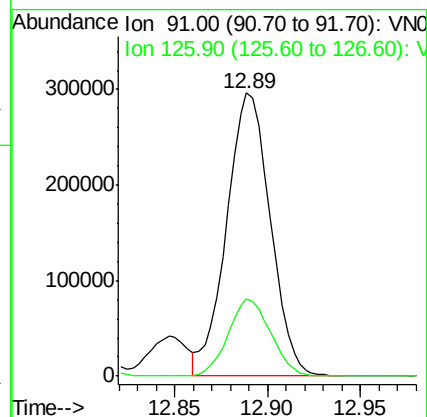
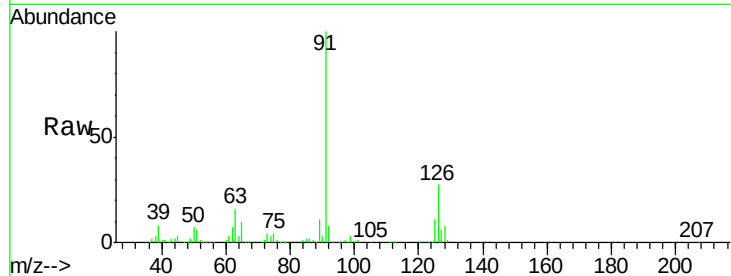
126 26.5 14.9 44.5

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#84

tert-Butylbenzene

Concen: 19.44 ug/l

RT: 13.11 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

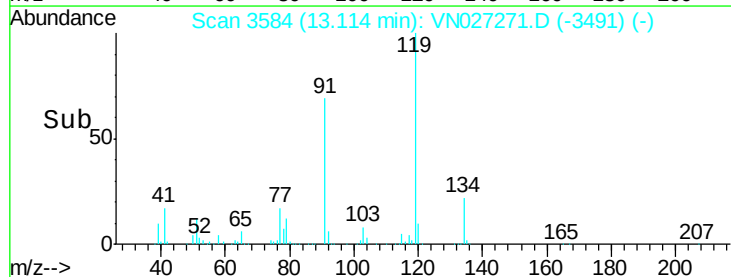
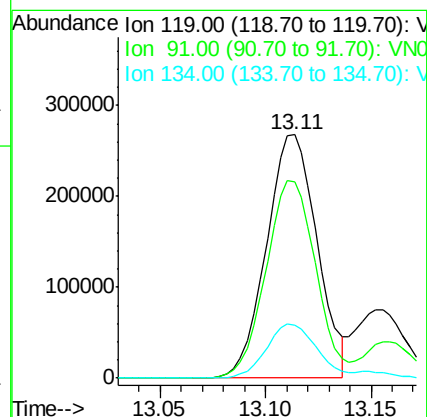
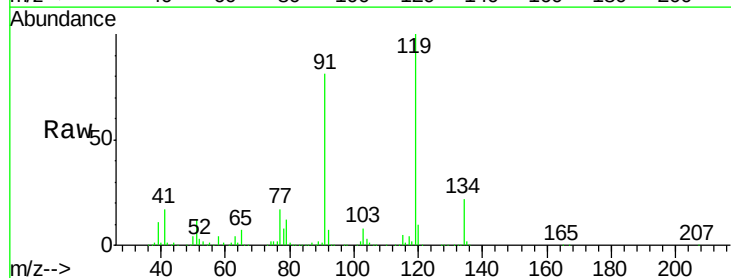
Tgt Ion: 119 Resp: 447380

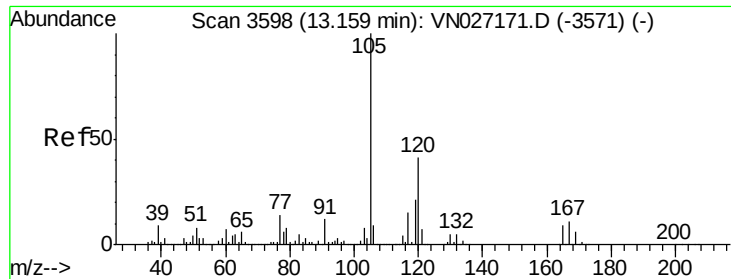
Ion Ratio Lower Upper

119 100

91 79.9 34.6 103.8

134 22.4 11.4 34.2





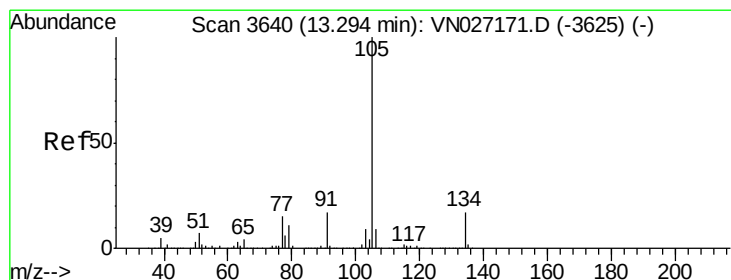
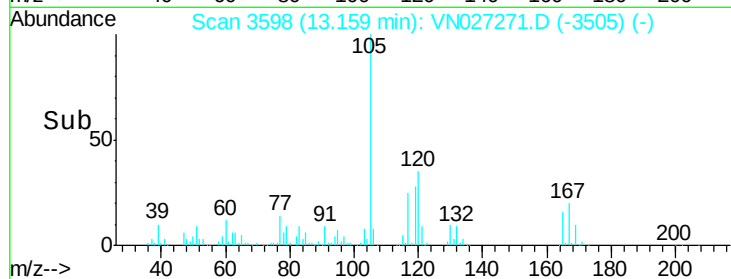
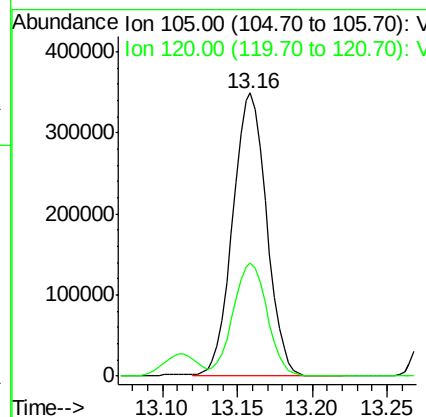
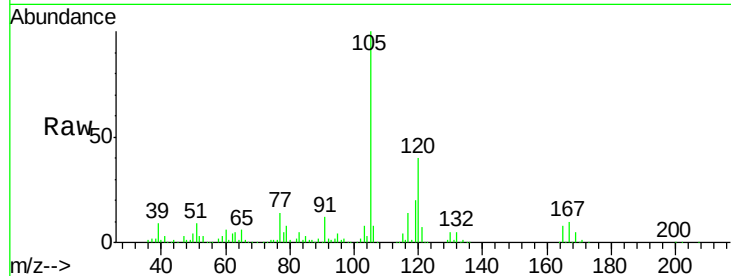
#85
 1,2,4-Trimethylbenzene
 Concen: 19.60 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.4	21.9	65.5

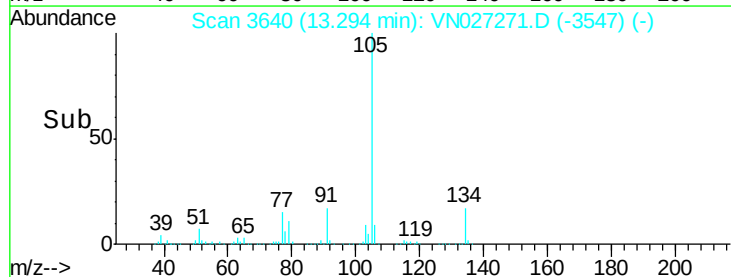
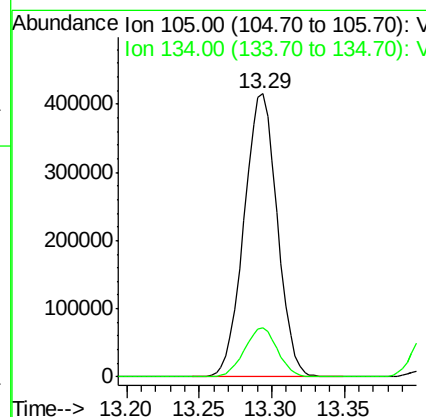
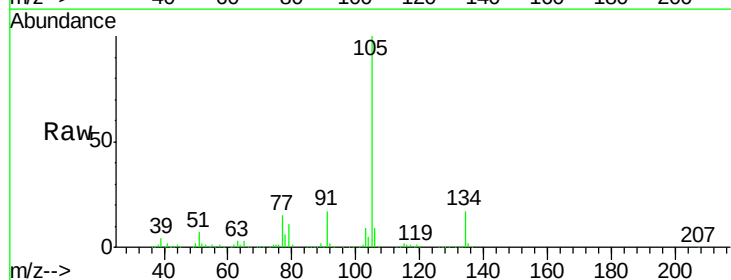
Manual Integrations
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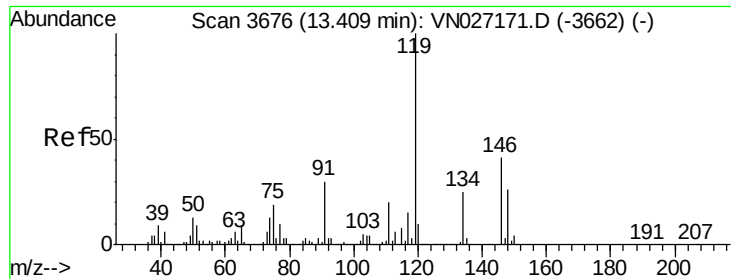
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#86
 sec-Butylbenzene
 Concen: 19.60 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.2	8.8	26.4





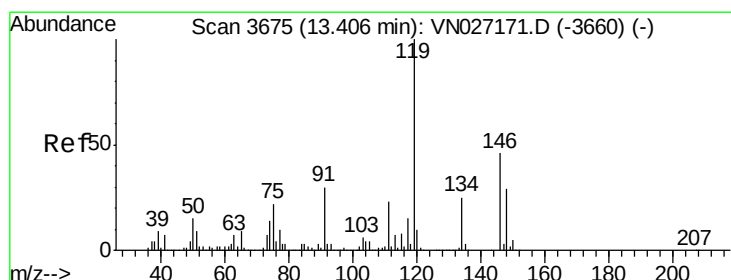
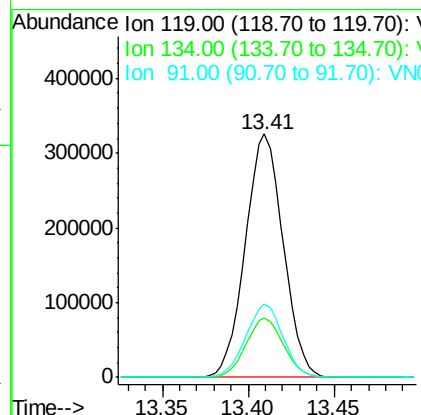
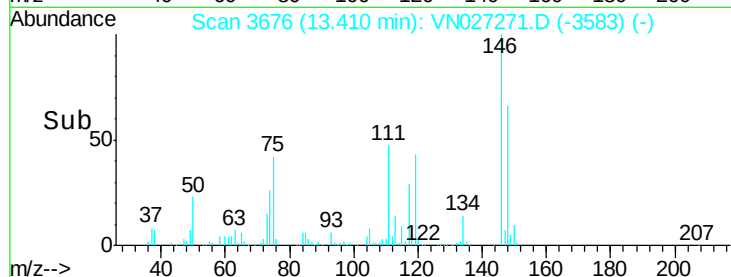
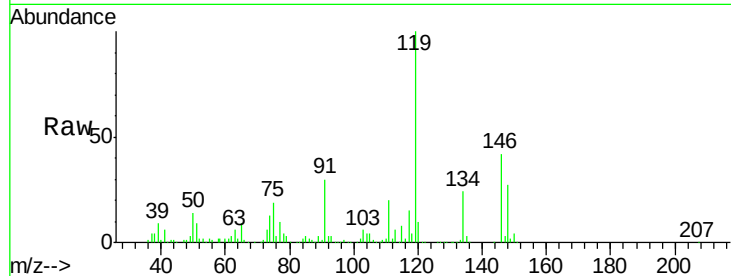
#87
p-Isopropyltoluene
Concen: 19.18 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	498071		
134	24.2		12.4	37.0
91	29.6		12.0	36.1

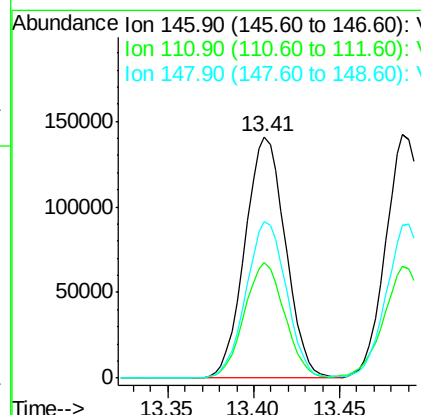
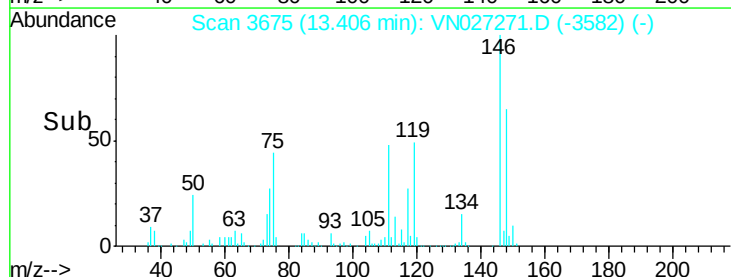
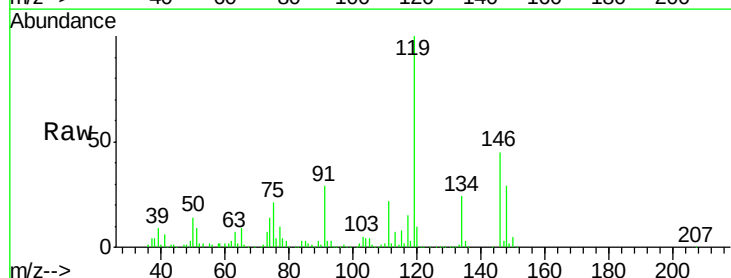
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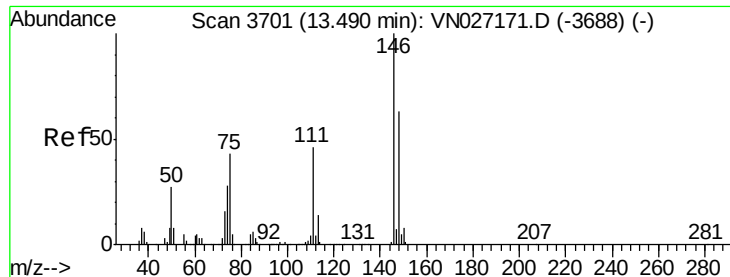
MMDadoda
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#88
1,3-Dichlorobenzene
Concen: 19.83 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN027271.D
Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	231000		
111	47.6		21.0	63.0
148	64.3		31.9	95.9





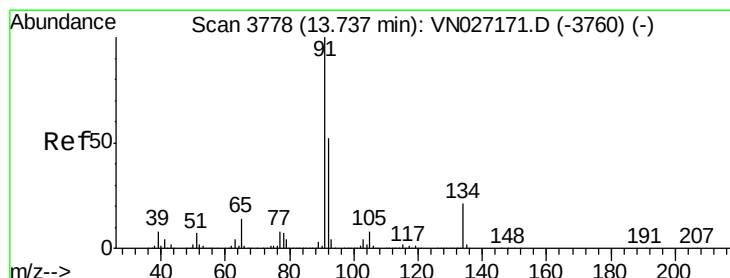
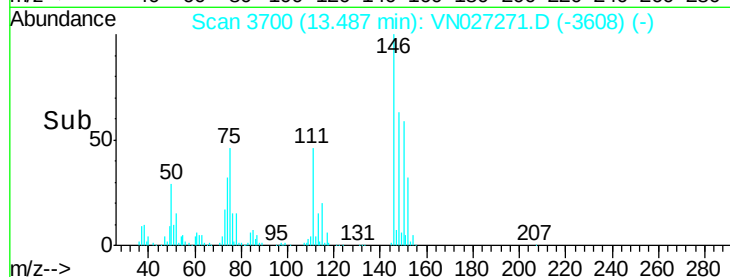
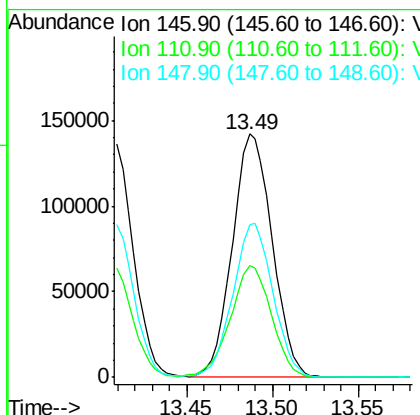
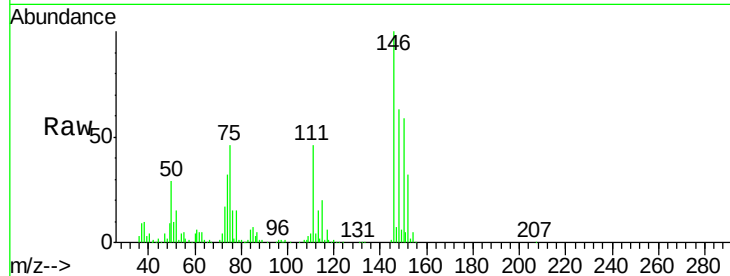
#89
 1,4-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	19.9	59.6
148	63.9	31.7	95.1

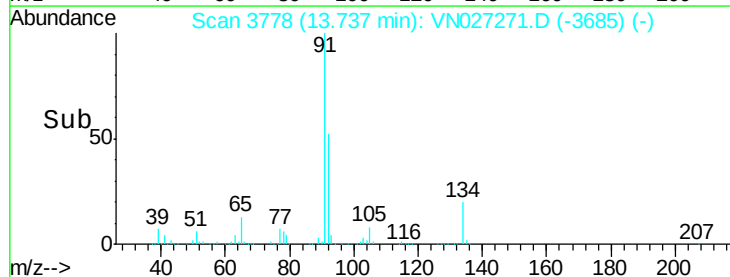
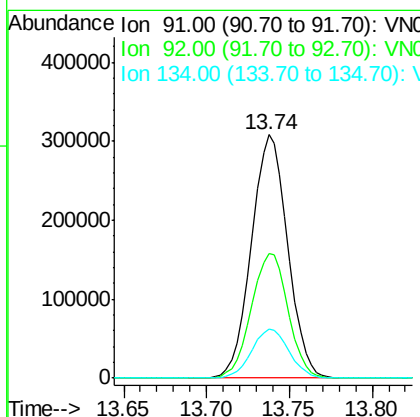
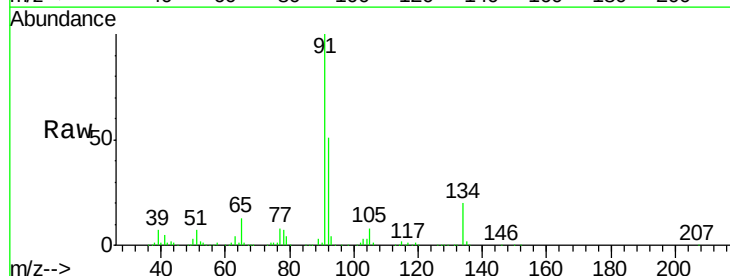
Manual Integrations
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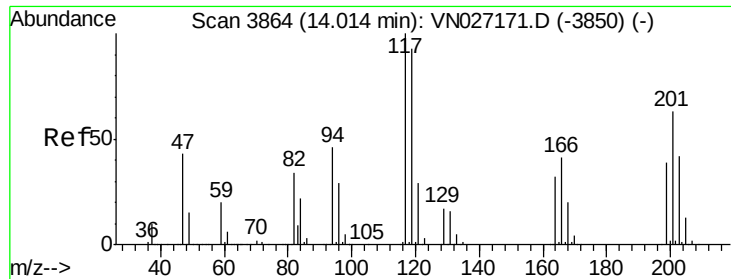
MMDadoda
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#90
 n-Butylbenzene
 Concen: 18.63 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	20.8	11.1	33.1





#91

Hexachloroethane

Concen: 17.92 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD02

Tot Ion:117 Resp: 101813

Ion Ratio Lower Upper

117 100

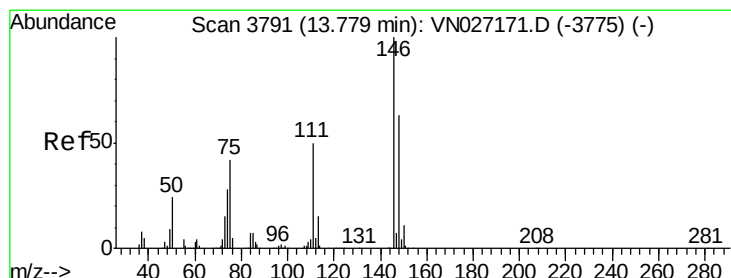
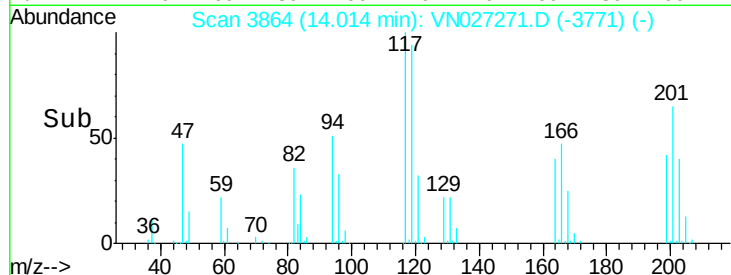
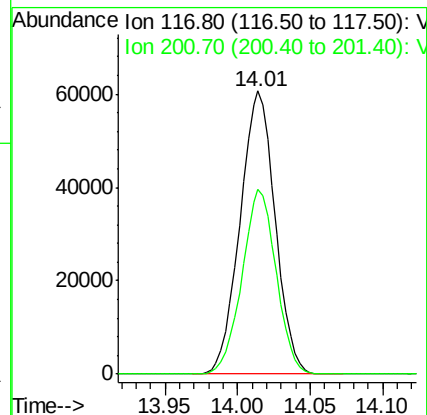
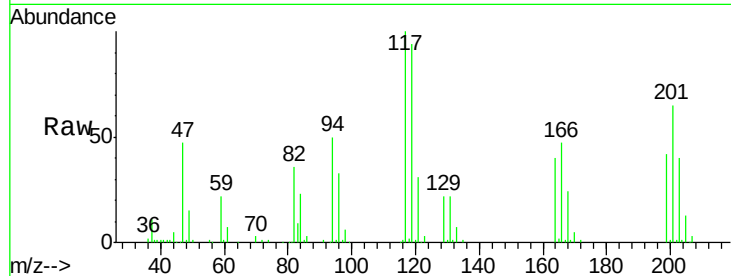
201 63.4 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 20.39 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

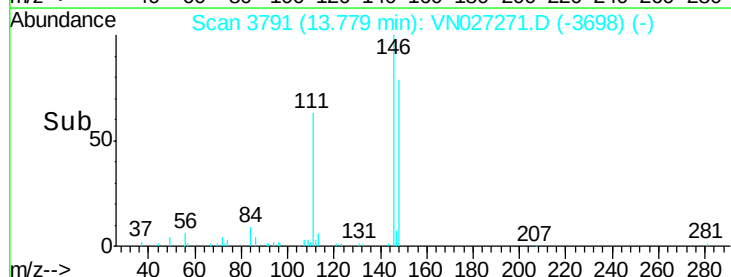
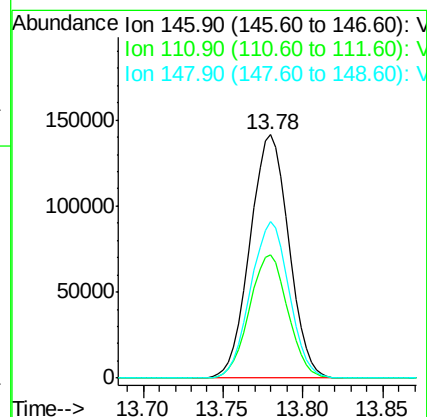
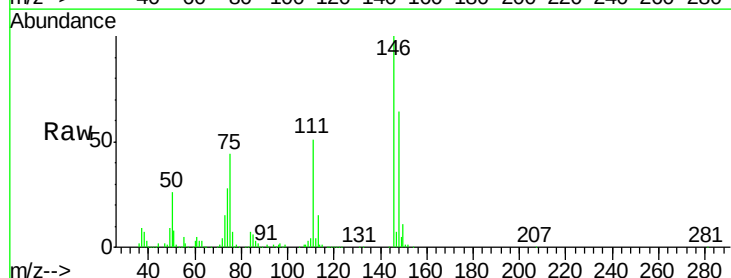
Tgt Ion:146 Resp: 234788

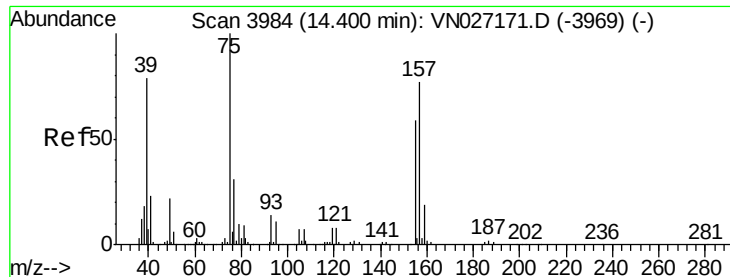
Ion Ratio Lower Upper

146 100

111 50.2 22.1 66.3

148 63.8 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 18.16 ug/l

RT: 14.40 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

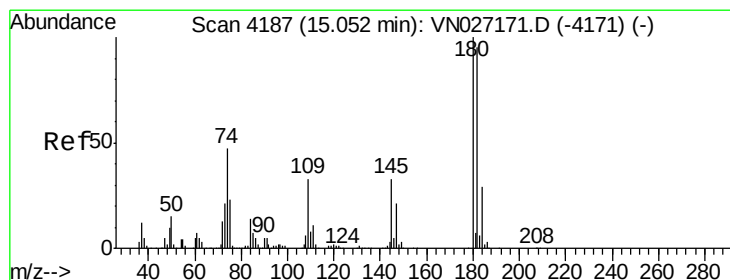
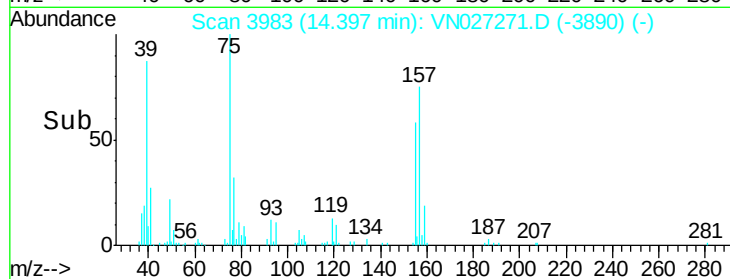
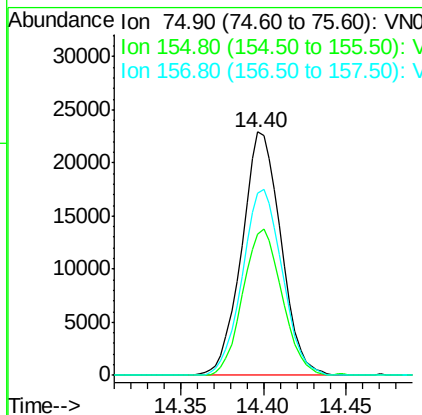
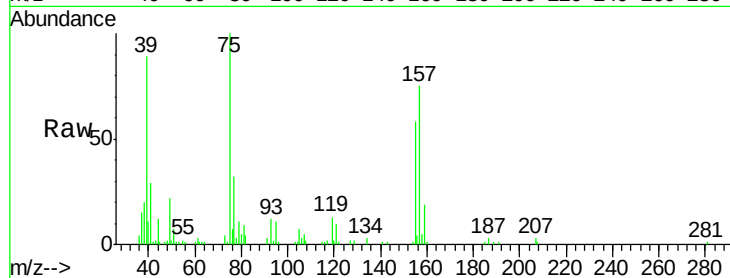
ClientSampleId :

VN0917WBSD02

Tot Ion:	75	Resp:	37751
Ion	Ratio	Lower	Upper
75	100		
155	59.9	35.6	106.9
157	77.7	44.6	133.8

Manual Integrations
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#94

1,2,4-Trichlorobenzene

Concen: 18.95 ug/l

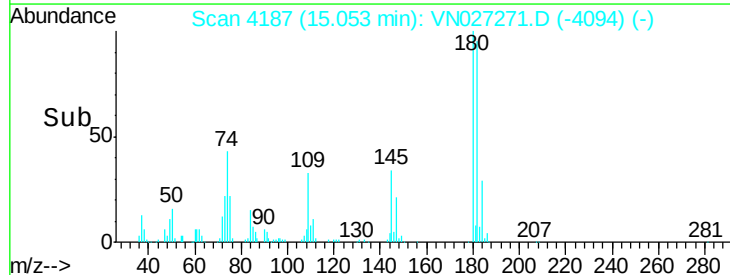
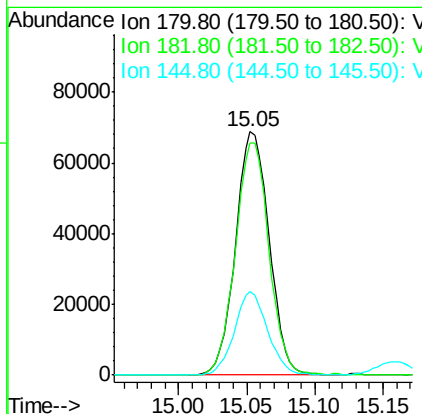
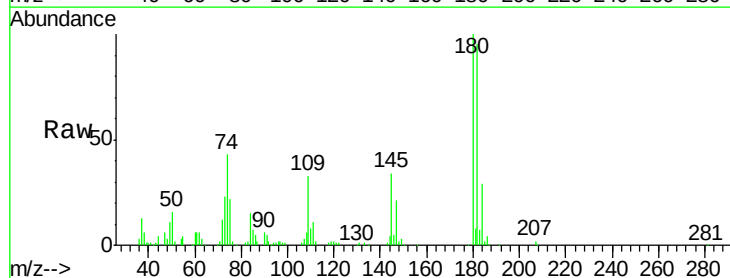
RT: 15.05 min Scan# 4187

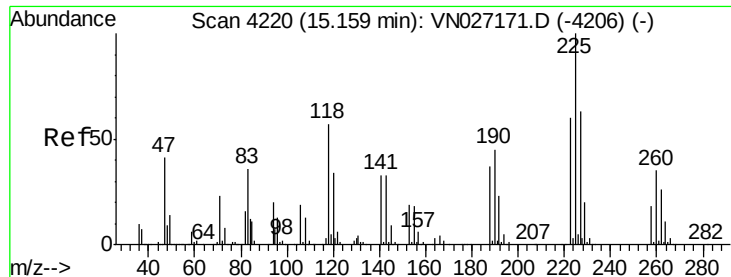
Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Tgt Ion:	180	Resp:	117871
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	33.9	15.1	45.3





#95

Hexachlorobutadiene

Concen: 19.14 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027271.D

Acq: 17 Sep 2015 23:29

Instrument :

MSVOA_N

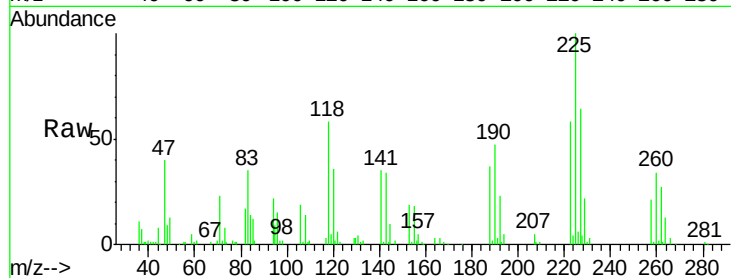
ClientSampleId :

VN0917WBSD02

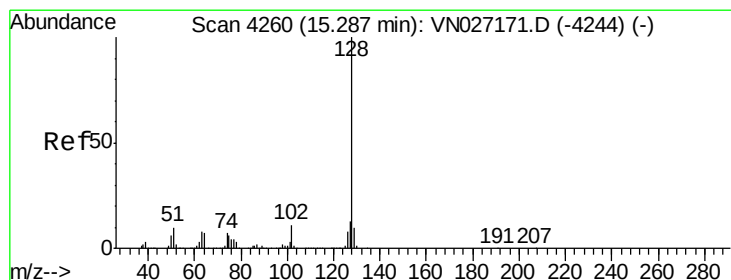
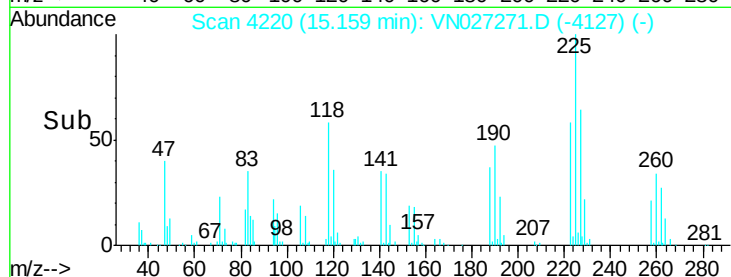
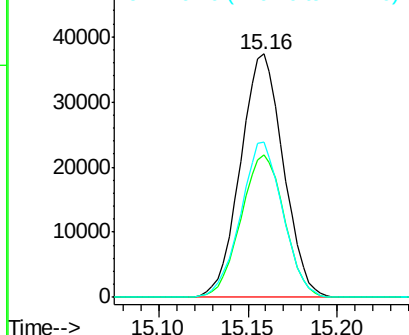
Tot Ion:	225	Resp:	62710
Ion Ratio		Lower	Upper
225	100		
223	59.2	30.8	92.3
227	62.8	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:24:02 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 18.50 ug/l

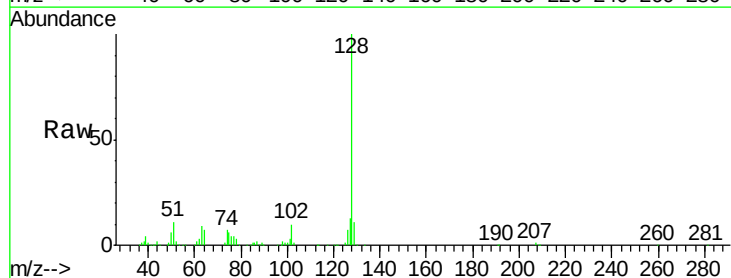
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

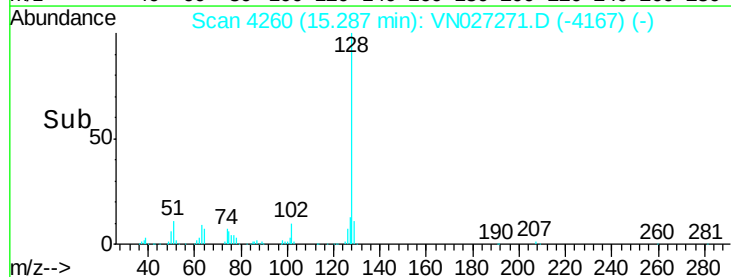
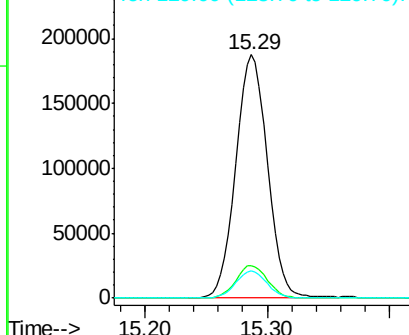
Lab File: VN027271.D

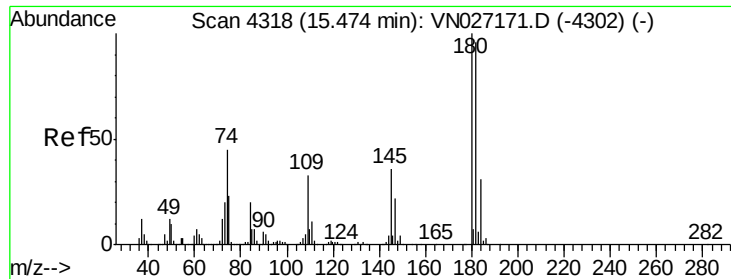
Acq: 17 Sep 2015 23:29

Tgt Ion:	128	Resp:	337265
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.1	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#97
 1,2,3-Trichlorobenzene
 Concen: 19.32 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027271.D
 Acq: 17 Sep 2015 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119454		
182	95.9	48.8	146.4	
145	34.5	16.6	49.8	

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:24:02 PM

