

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082918\
 Data File : VN050937.D
 Acq On : 29 Aug 2018 9:31
 Operator : MD\SY
 Sample : VN0829MBS01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 11:07:26 AM

Quant Time: Aug 29 14:46:46 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	595403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	842854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	756367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	367244	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	354867	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.59	113	338676	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1258967	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	405608	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	158025	19.832	ug/l	99
3) Chloromethane	2.06	50	178669	18.180	ug/l	97
4) Vinyl Chloride	2.18	62	175460	18.847	ug/l	99
5) Bromomethane	2.56	94	102445	18.692	ug/l	96
6) Chloroethane	2.70	64	99187	18.439	ug/l	97
7) Trichlorofluoromethane	3.01	101	238056	19.969	ug/l	98
8) Diethyl Ether	3.41	74	79967	19.727	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	146582	19.681	ug/l	99
10) Methyl Iodide	3.95	142	112450	21.363	ug/l	98
11) Tert butyl alcohol	4.80	59	50138	109.847	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	127652	19.089	ug/l	98
13) Acrolein	3.61	56	14521	68.491	ug/l	98
14) Allyl chloride	4.33	41	197115	18.916	ug/l	99
15) Acrylonitrile	4.99	53	236528	101.967	ug/l	99
16) Acetone	3.82	43	180394	102.100	ug/l	100
17) Carbon Disulfide	4.05	76	384620	17.157	ug/l	99
18) Methyl Acetate	4.33	43	149662	22.112	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	342934	20.387	ug/l	98
20) Methylene Chloride	4.55	84	151478	18.751	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	135046	18.671	ug/l	97
22) Diisopropyl ether	5.96	45	430753	20.743	ug/l	97
23) Vinyl Acetate	5.90	43	1303642	97.479	ug/l	99
24) 1,1-Dichloroethane	5.85	63	260238	19.520	ug/l	99
25) 2-Butanone	6.84	43	272155	94.217	ug/l	99
26) 2,2-Dichloropropane	6.83	77	204103	19.052	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	153810	19.725	ug/l	99
28) Bromochloromethane	7.20	49	104393	18.427	ug/l	100
29) Tetrahydrofuran	7.22	42	175812	106.157	ug/l	98
30) Chloroform	7.37	83	259975	19.692	ug/l	97
31) Cyclohexane	7.66	56	222452	18.651	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	219329	19.342	ug/l	99
36) 1,1-Dichloropropene	7.79	75	193868	19.492	ug/l	99
37) Ethyl Acetate	6.93	43	116155	20.330	ug/l	100
38) Carbon Tetrachloride	7.78	117	196871	19.582	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	205600	19.107	ug/l	98
40) Benzene	8.04	78	600652	20.027	ug/l	100
41) Methacrylonitrile	7.18	41	61894	20.018	ug/l	99
42) 1,2-Dichloroethane	8.13	62	180642	20.145	ug/l	99
43) Isopropyl Acetate	8.17	43	218234	22.216	ug/l	96
44) Trichloroethene	8.84	130	156710	19.812	ug/l	99
45) 1,2-Dichloropropane	9.12	63	158954	20.165	ug/l	97
46) Dibromomethane	9.21	93	92339	19.937	ug/l	98
47) Bromodichloromethane	9.40	83	197530	20.362	ug/l	98
48) Methyl methacrylate	9.20	41	100192	20.013	ug/l	98
49) 1,4-Dioxane	9.20	88	29954	438.899	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	603791	102.999	ug/l	100
52) Toluene	10.16	92	365892	20.594	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	190327	19.711	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	222648	20.136	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	136671	20.726	ug/l	99
56) Ethyl methacrylate	10.43	69	154433	19.506	ug/l	99
57) 1,3-Dichloropropane	10.71	76	223499	20.534	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	325073	94.819	ug/l	100
59) 2-Hexanone	10.75	43	386790	99.113	ug/l	99
60) Dibromochloromethane	10.90	129	150921	20.441	ug/l	100
61) 1,2-Dibromoethane	11.01	107	130726	20.501	ug/l	99
64) Tetrachloroethene	10.63	164	141273	19.665	ug/l	99
65) Chlorobenzene	11.44	112	392043	19.830	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150624	20.823	ug/l	99
67) Ethyl Benzene	11.51	91	646498	20.115	ug/l	100
68) m/p-Xylenes	11.62	106	507672	41.614	ug/l	100
69) o-Xylene	11.95	106	239753	20.442	ug/l	100
70) Styrene	11.96	104	378699	19.127	ug/l	99
71) Bromoform	12.13	173	104674	21.043	ug/l #	99
73) Isopropylbenzene	12.25	105	631641	20.772	ug/l	99
74) N-amyl acetate	12.07	43	154983	20.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171707	22.794	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	128427m	19.966	ug/l	
77) Bromobenzene	12.53	156	167599	20.280	ug/l	99
78) n-propylbenzene	12.59	91	714196	21.024	ug/l	100
79) 2-Chlorotoluene	12.68	91	438238	20.711	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	527894	21.514	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39294	20.651	ug/l	95
82) 4-Chlorotoluene	12.77	91	433492	20.752	ug/l	99
83) tert-Butylbenzene	12.99	119	445086	20.945	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	533481	21.615	ug/l	100
85) sec-Butylbenzene	13.17	105	599778	21.540	ug/l	100
86) p-Isopropyltoluene	13.29	119	503127	21.205	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	277711	19.802	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	264627	19.172	ug/l	99
89) n-Butylbenzene	13.62	91	377213	19.878	ug/l	99
90) Hexachloroethane	13.88	117	97144	21.588	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270083	19.961	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22469	20.574	ug/l	97

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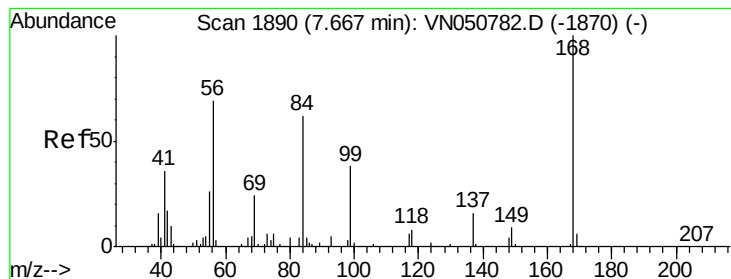
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104270	17.687	ug/l	98
94) Hexachlorobutadiene	15.01	225	92608	22.473	ug/l	99
95) Naphthalene	15.14	128	190773	16.997	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	109968	18.864	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion:168 Resp: 595403

Ion Ratio Lower Upper

168 100

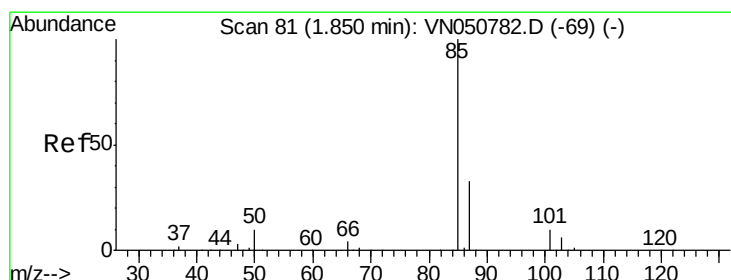
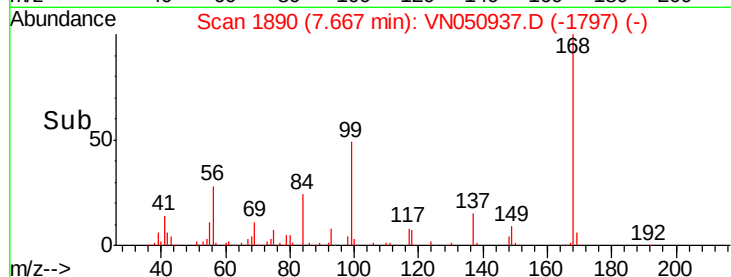
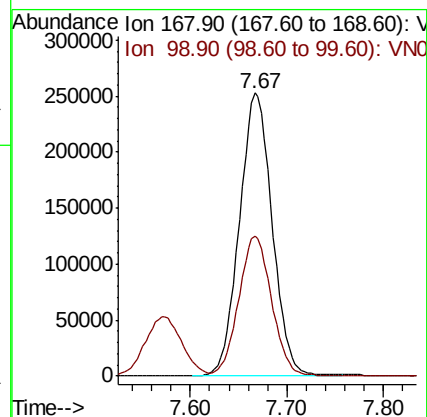
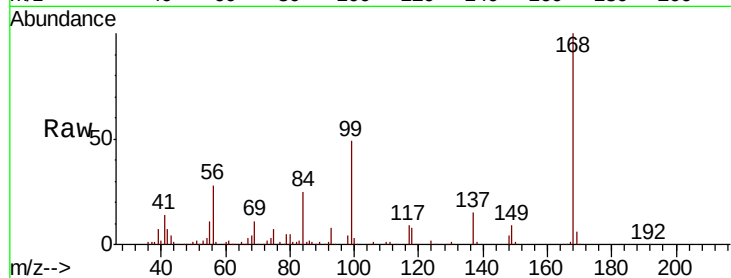
99 49.2 39.6 59.4

Manual Integrations

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8/30/2018 11:07:26 AM



#2

Dichlorodifluoromethane

Concen: 19.832 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050937.D

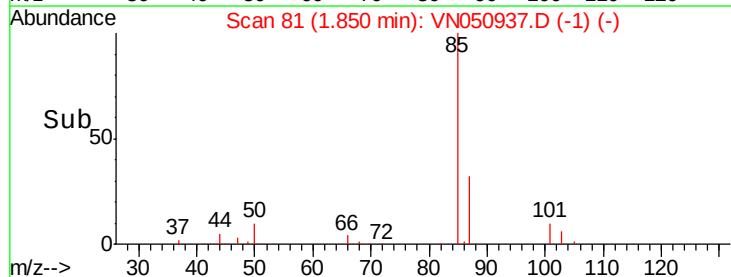
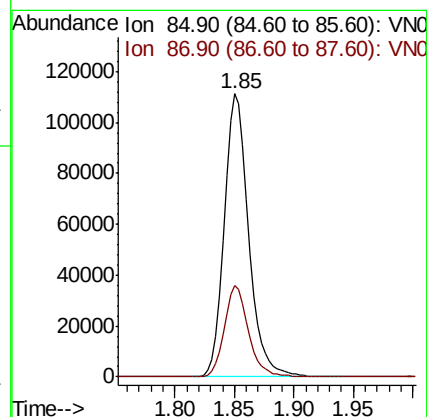
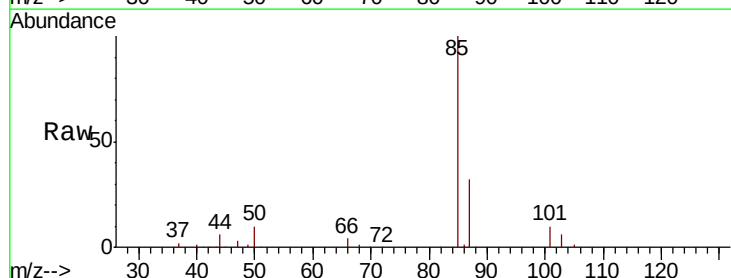
Acq: 29 Aug 2018 9:31

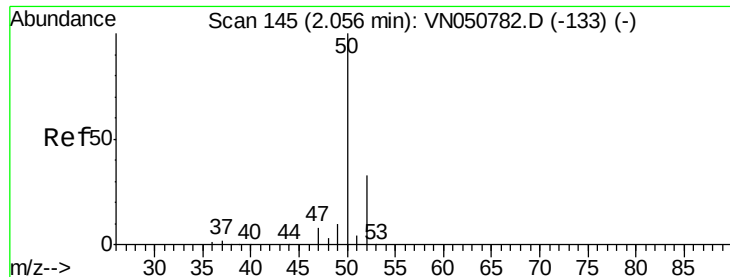
Tgt Ion: 85 Resp: 158025

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1





#3

Chloromethane

Concen: 18.180 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampled :

VN0829MBS01

Tot Ion: 50 Resp: 178669

Ion Ratio Lower Upper

50 100

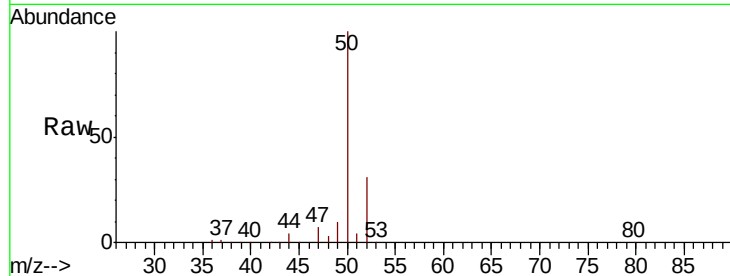
52 31.5 26.3 39.5

Manual Integrations

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MMDadoda

8/30/2018 11:07:26 AM



Abundance Ion 49.90 (49.60 to 50.60): VN050937.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050937.D (-52) (-)

2.06

150000

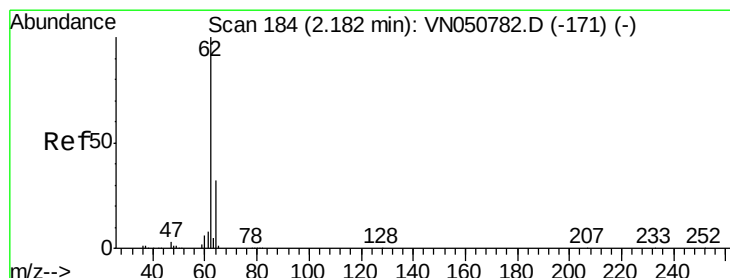
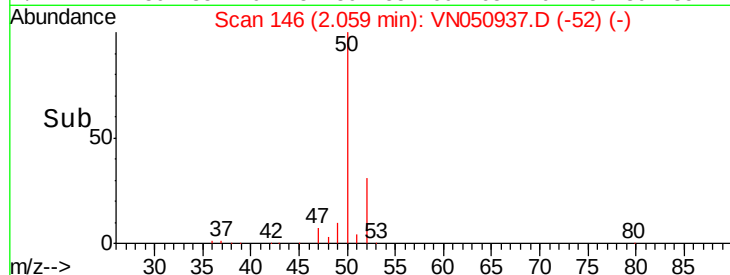
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 18.847 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050937.D

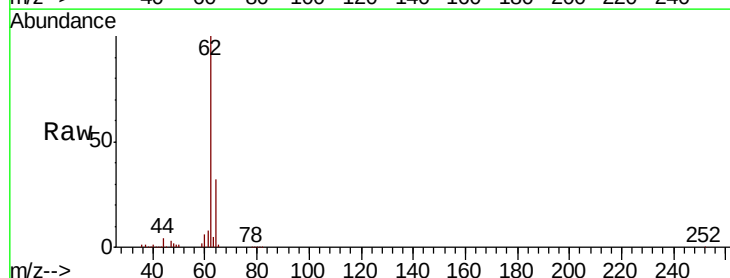
Acq: 29 Aug 2018 9:31

Tgt Ion: 62 Resp: 175460

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN050937.D (-91) (-)

Ion 63.90 (63.60 to 64.60): VN050937.D (-91) (-)

2.18

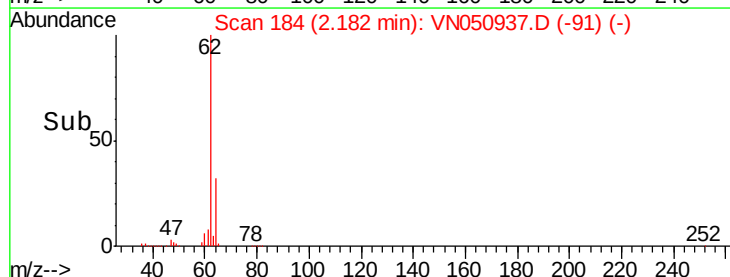
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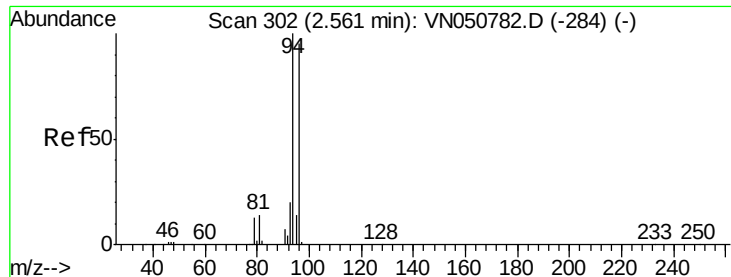
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 18.692 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion: 94 Resp: 102445

Ion Ratio Lower Upper

94 100

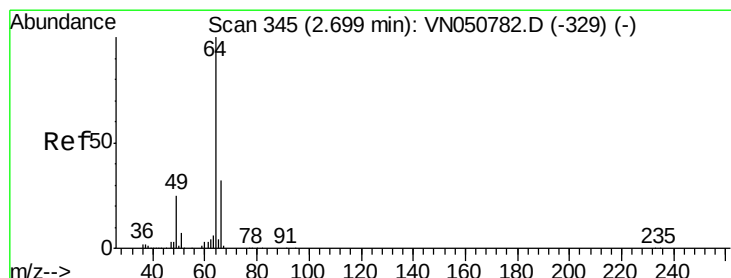
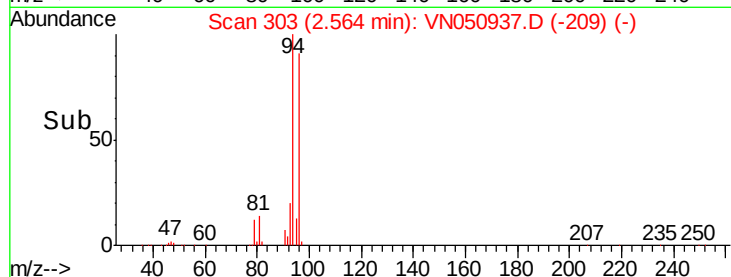
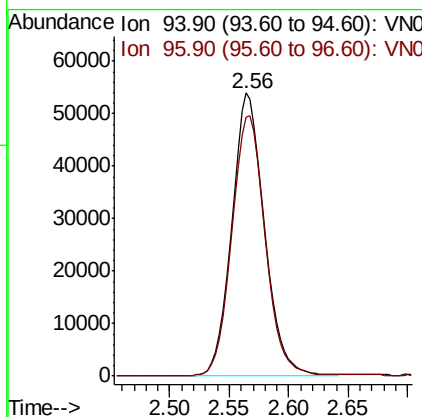
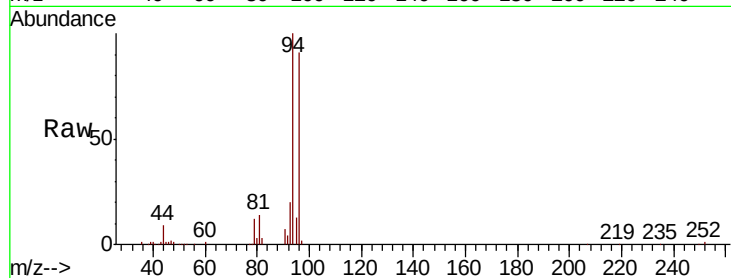
96 91.5 76.2 114.2

Manual Integrations

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8/30/2018 11:07:26 AM



#6

Chloroethane

Concen: 18.439 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050937.D

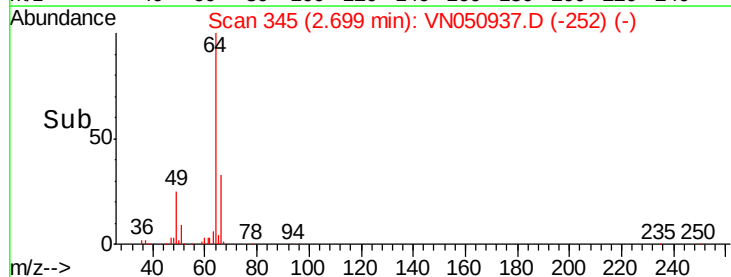
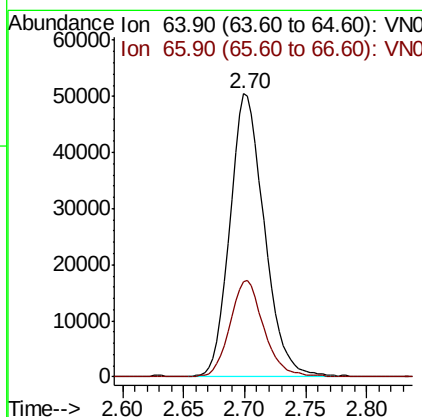
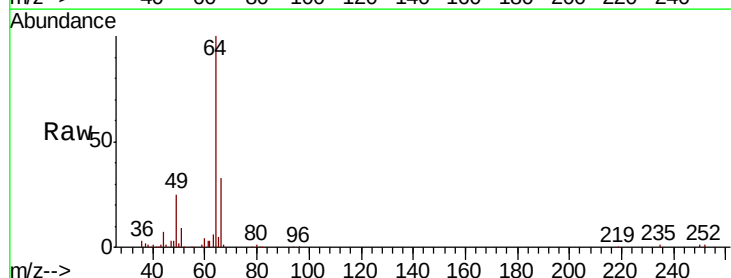
Acq: 29 Aug 2018 9:31

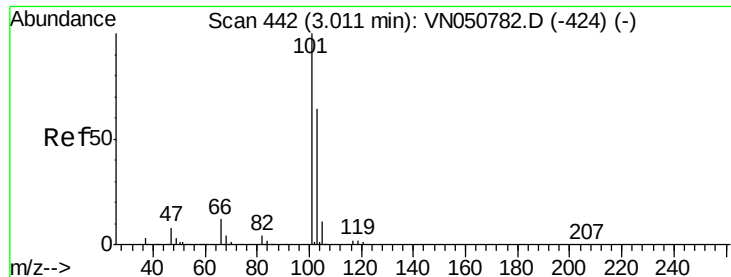
Tgt Ion: 64 Resp: 99187

Ion Ratio Lower Upper

64 100

66 33.5 25.3 37.9





#7

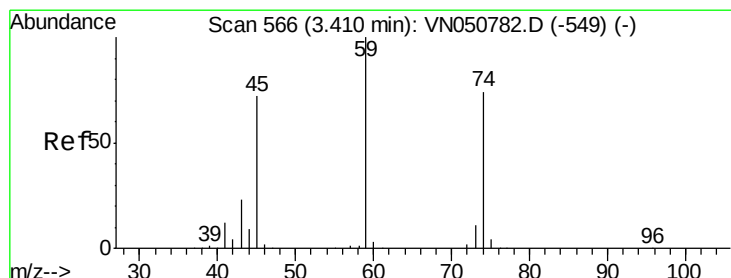
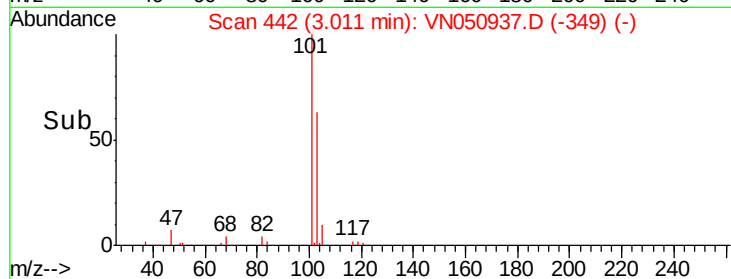
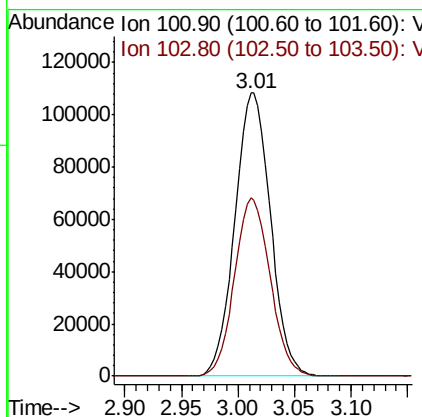
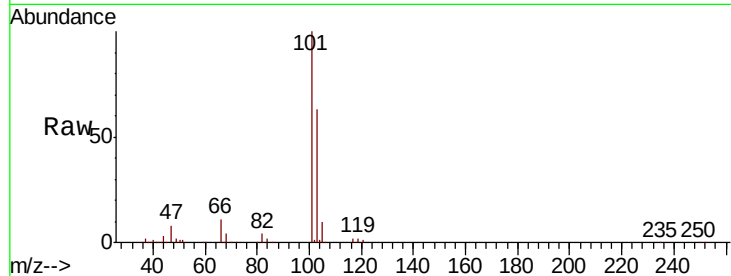
Trichlorofluoromethane
 Concen: 19.969 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
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 ClientSampleId :
 VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	238056		
103	63.2	51.6	77.4	

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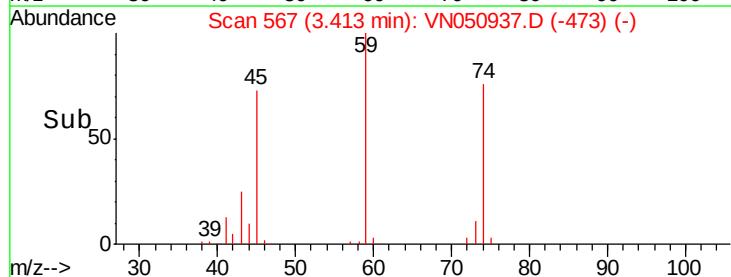
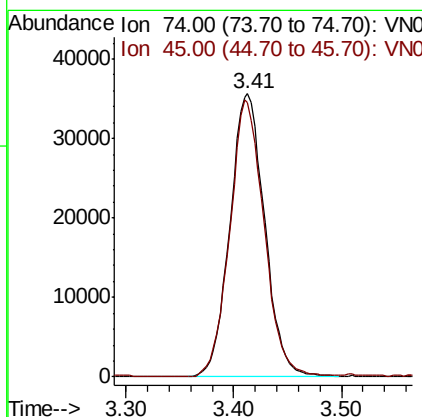
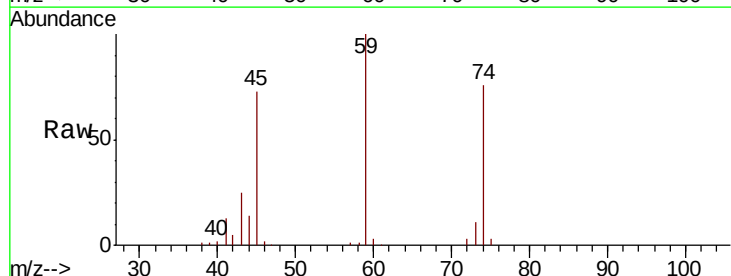
MMDadoda
 8/30/2018 11:07:26 AM

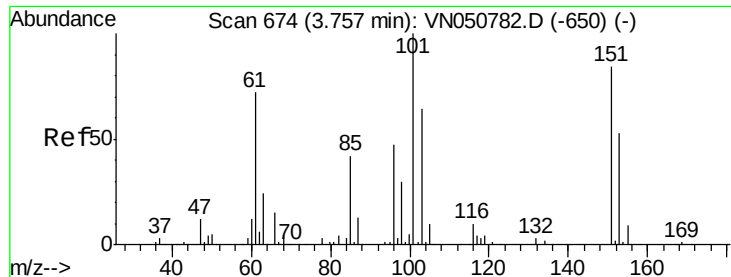


#8

Diethyl Ether
 Concen: 19.727 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79967		
45	96.6	48.2	144.6	





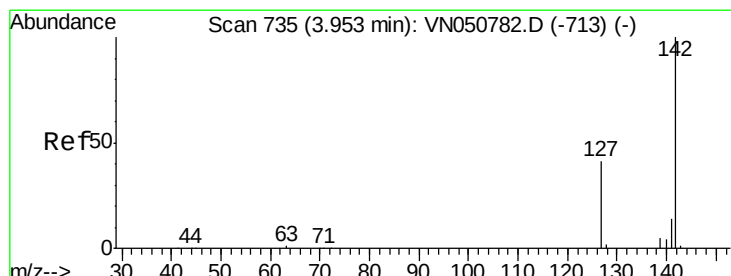
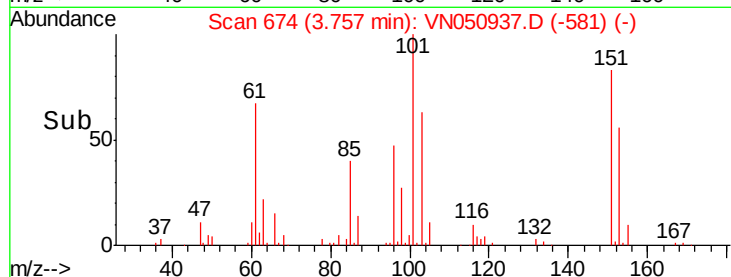
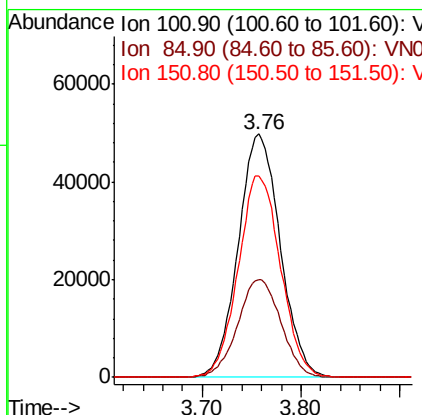
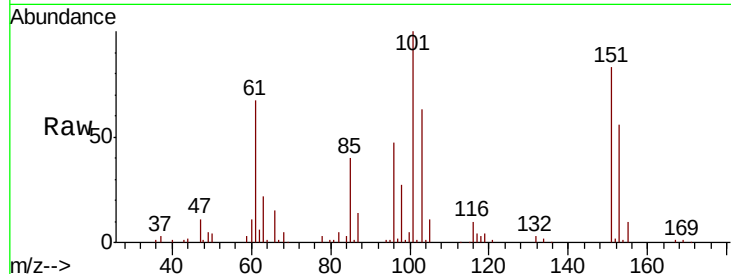
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.681 ug/l
RT: 3.76 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	146582		
85	41.5	33.7	50.5	
151	83.6	67.4	101.2	

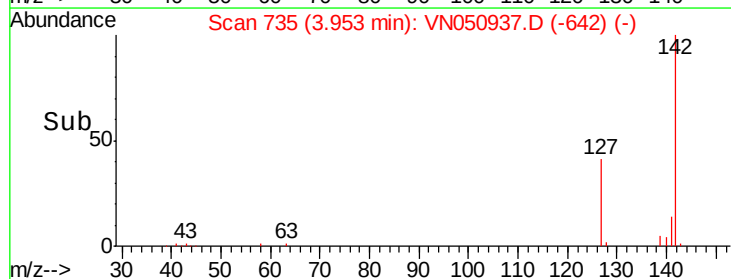
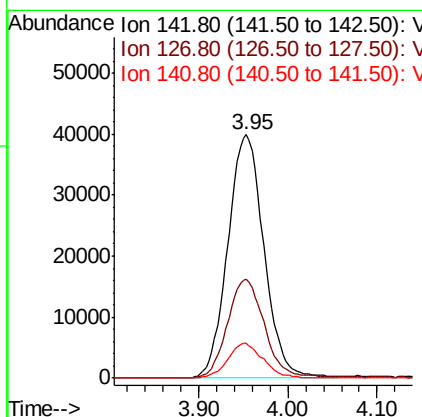
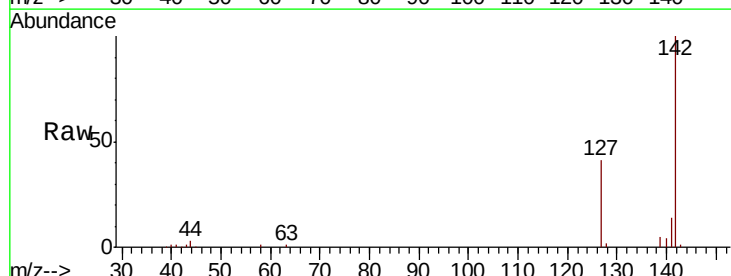
Manual Integrations
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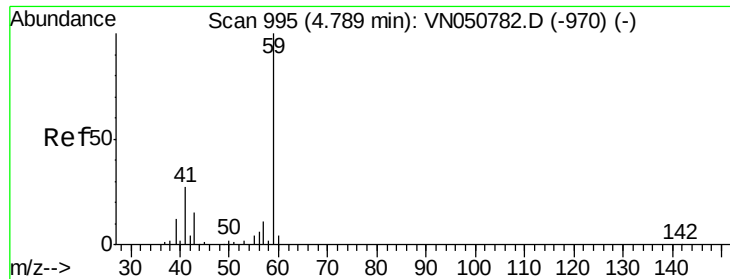
MMDadoda
8/30/2018 11:07:26 AM



#10
Methyl Iodide
Concen: 21.363 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	112450		
127	41.4	31.7	47.5	
141	13.9	11.4	17.0	





#11

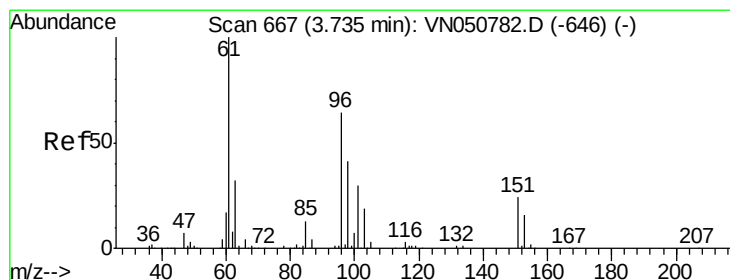
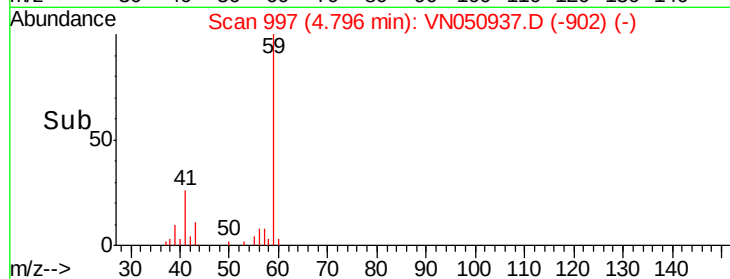
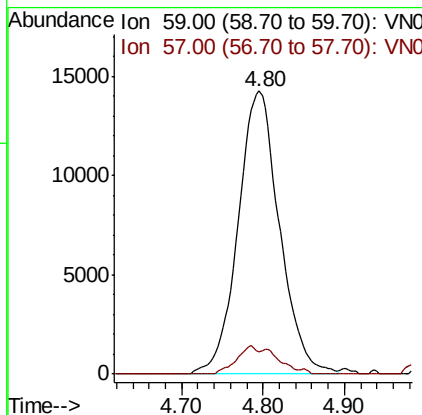
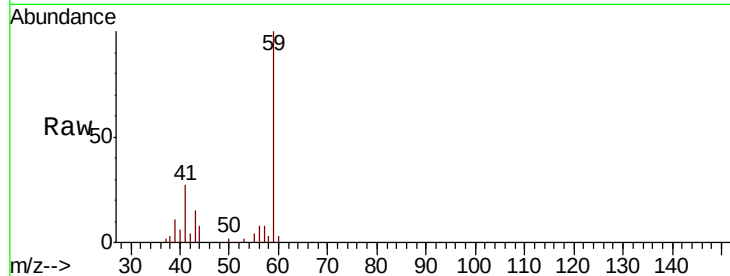
Tert butyl alcohol
 Concen: 109.847 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.3	12.5#

Manual Integrations
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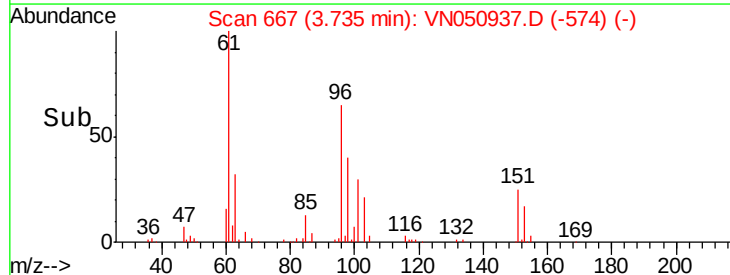
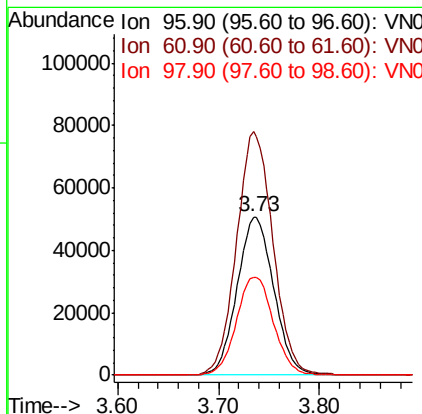
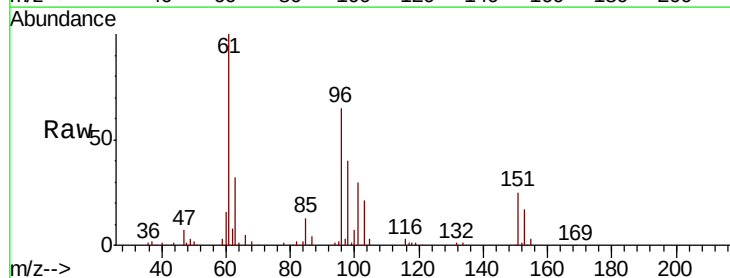
MMDadoda
 8/30/2018 11:07:26 AM

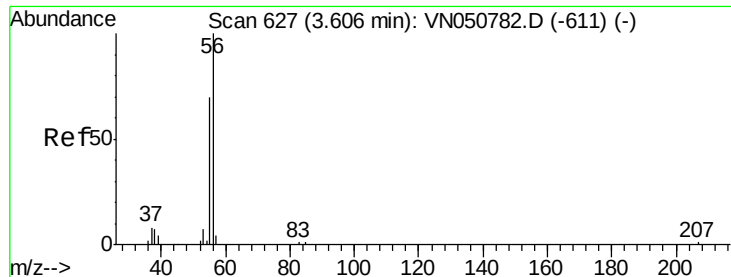


#12

1,1-Dichloroethene
 Concen: 19.089 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.7	124.9	187.3
98	62.0	51.1	76.7





#13

Acrolein

Concen: 68.491 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion: 56 Resp: 14521

Ion Ratio Lower Upper

56 100

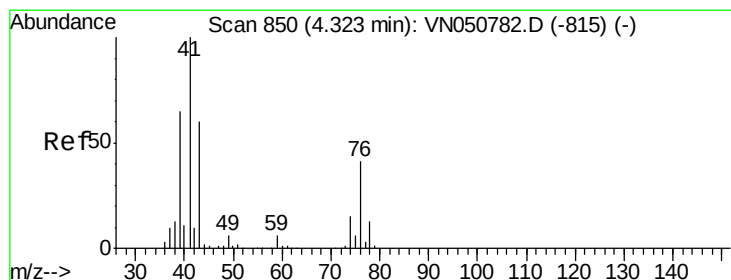
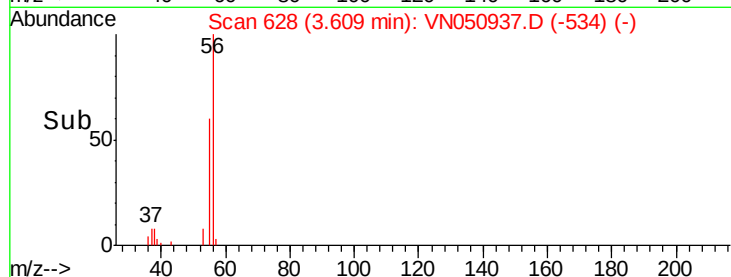
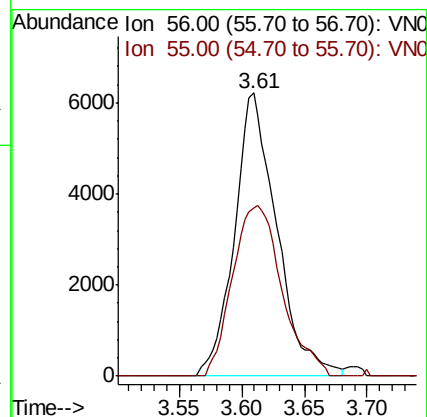
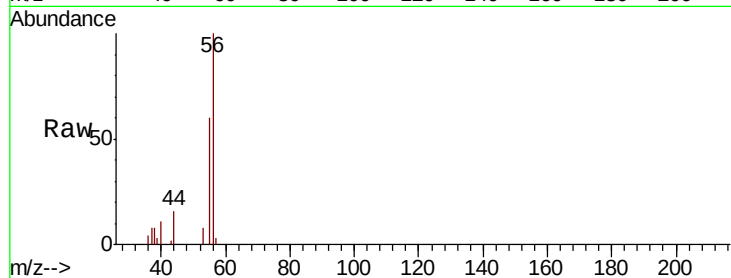
55 70.6 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.916 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

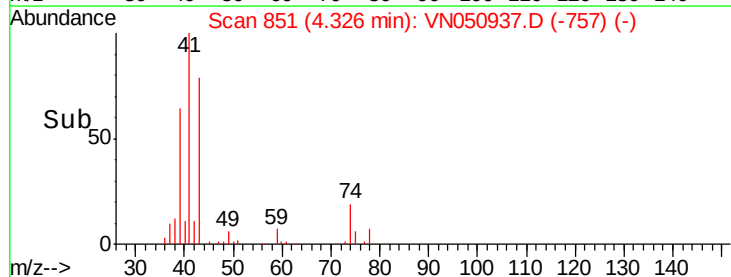
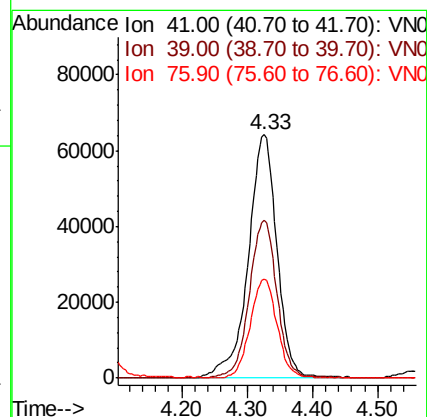
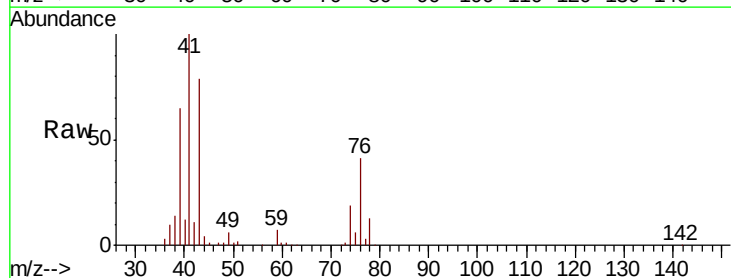
Tgt Ion: 41 Resp: 197115

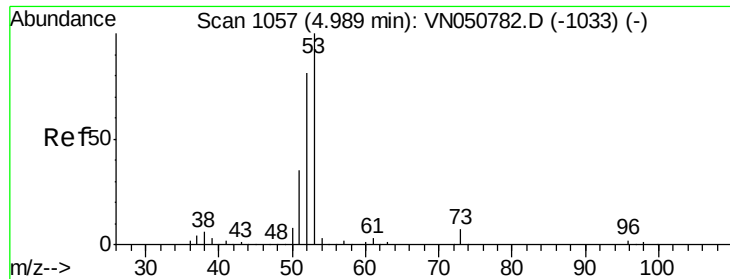
Ion Ratio Lower Upper

41 100

39 61.9 50.2 75.2

76 38.0 29.8 44.8





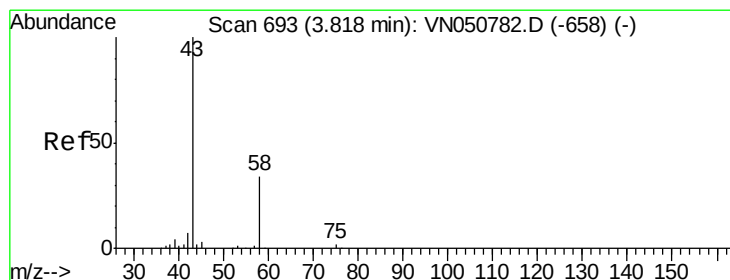
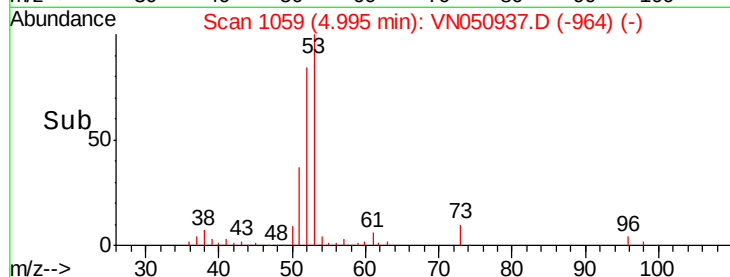
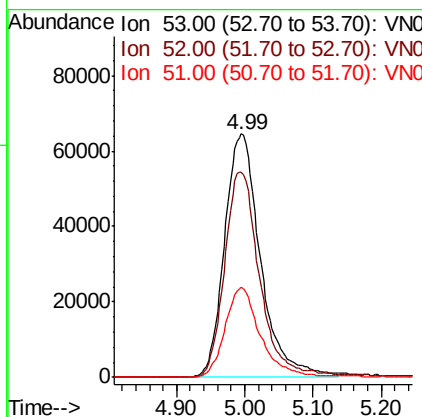
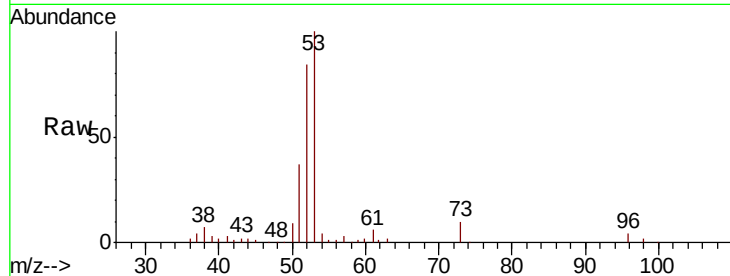
#15
 Acrylonitrile
 Concen: 101.967 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	53	Resp	236528
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.9	98.9
51	36.1	28.6	43.0

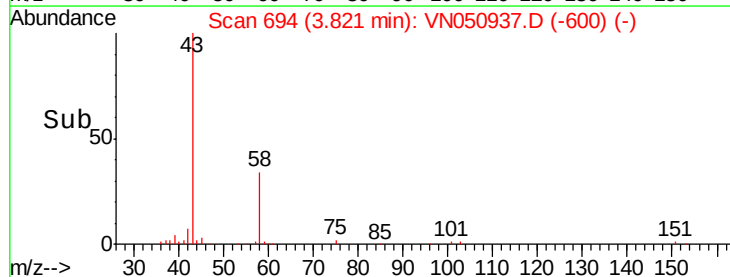
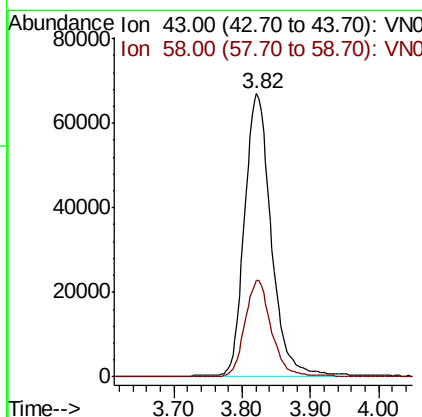
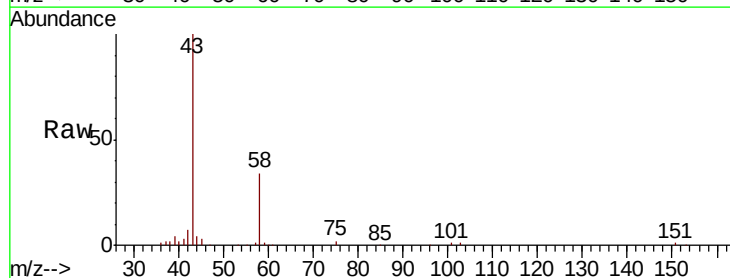
Manual Integrations
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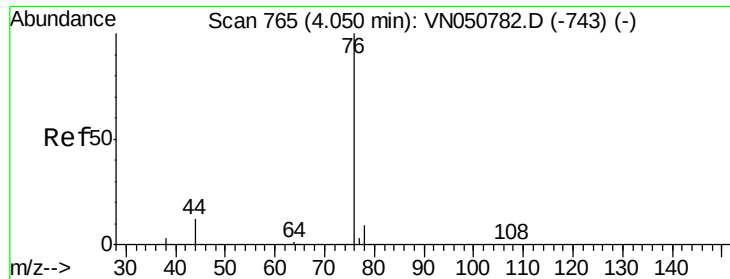
MMDadoda
 8/30/2018 11:07:26 AM



#16
 Acetone
 Concen: 102.100 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	43	Resp	180394
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.2	40.8





#17

Carbon Disulfide

Concen: 17.157 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion: 76 Resp: 384620

Ion Ratio Lower Upper

76 100

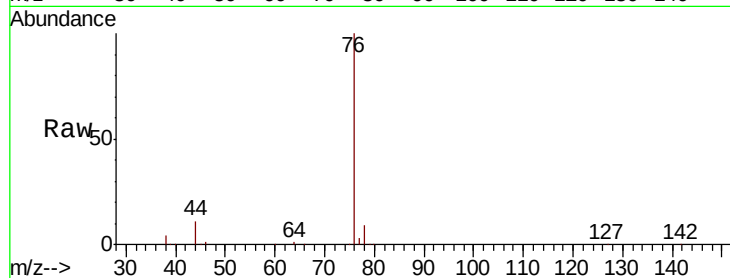
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050937.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050937.D (-743) (-)

4.05

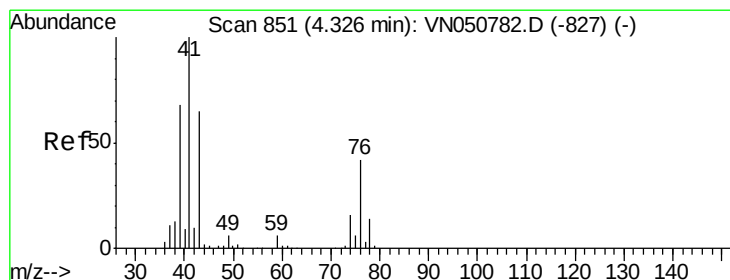
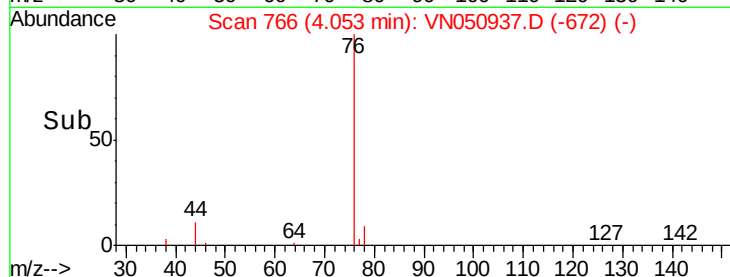
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.112 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050937.D

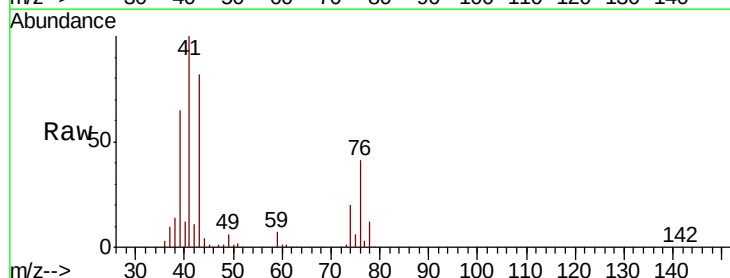
Acq: 29 Aug 2018 9:31

Tgt Ion: 43 Resp: 149662

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050937.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050937.D (-758) (-)

4.33

60000

50000

40000

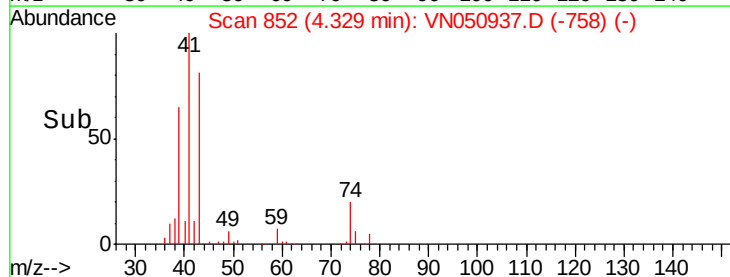
30000

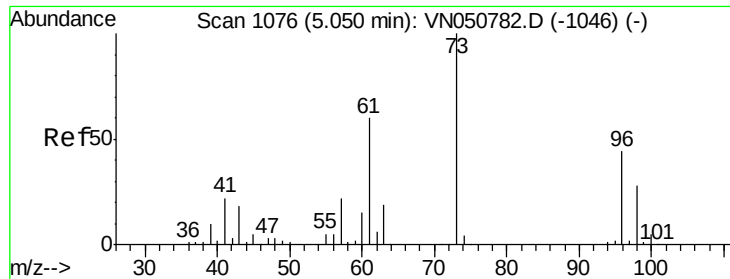
20000

10000

0

Time-->





#19

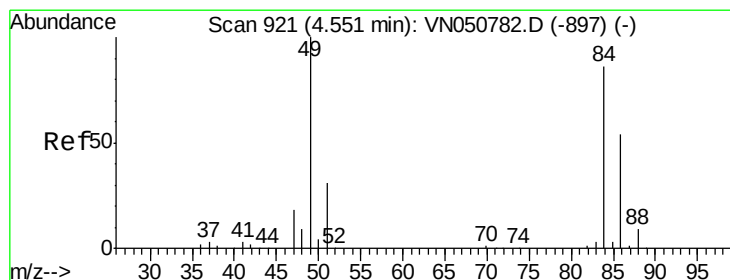
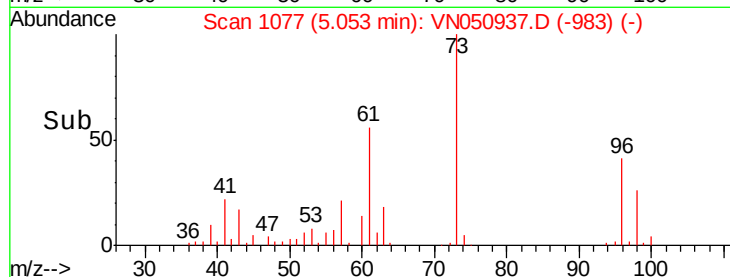
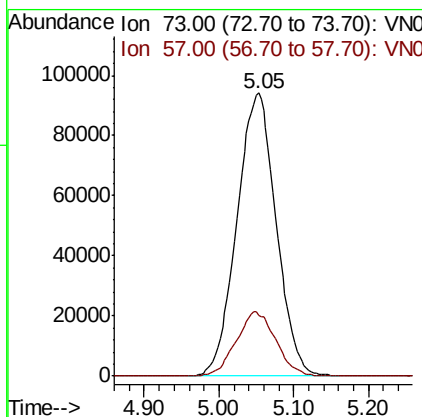
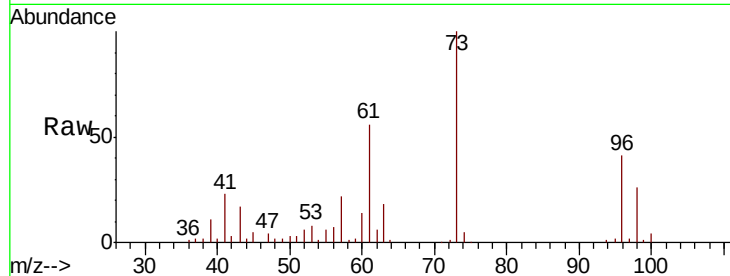
Methvl tert-butyl Ether
 Concen: 20.387 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.8	26.8

Manual Integrations
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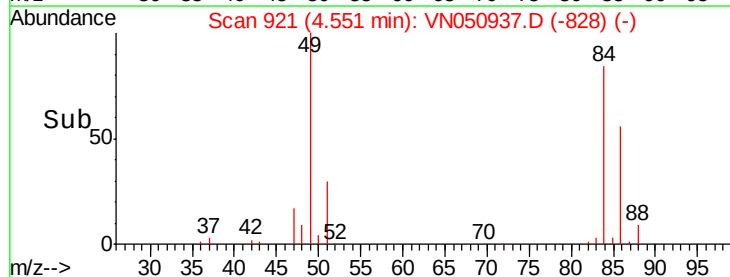
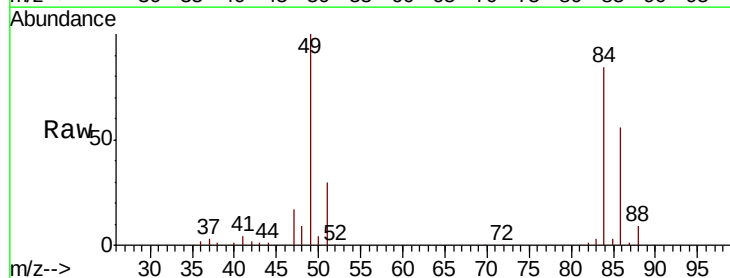
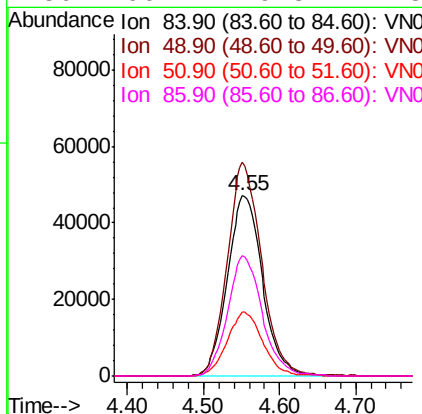
MMDadoda
 8/30/2018 11:07:26 AM

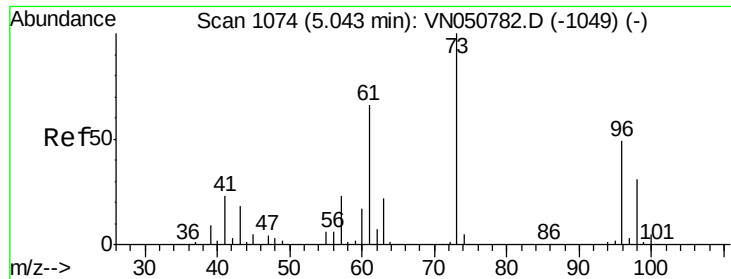


#20

Methylene Chloride
 Concen: 18.751 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.7	93.2	139.8
51	35.5	29.0	43.6
86	66.7	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.671 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

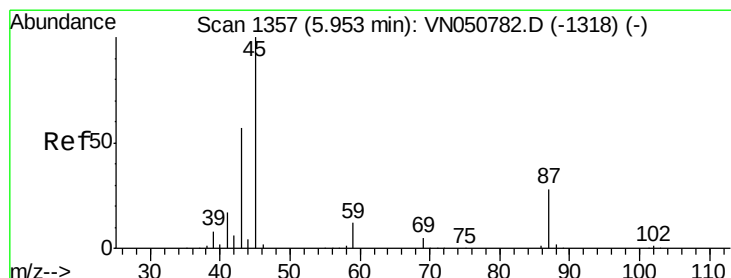
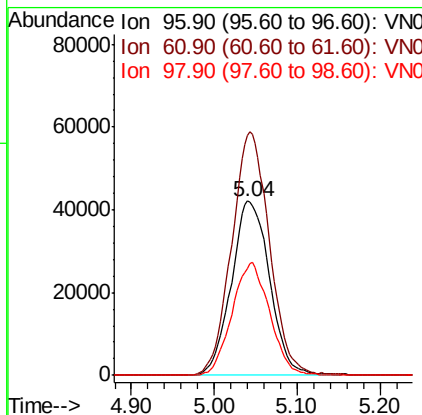
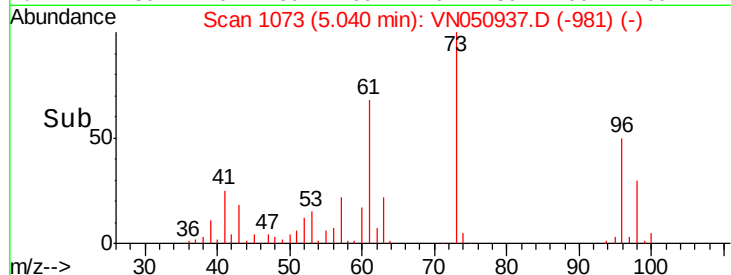
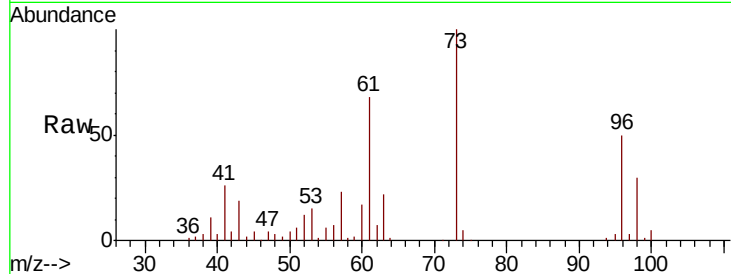
ClientSampleId :

VN0829MBS01

Tot Ion:	96	Resp:	135046
Ion	Ratio	Lower	Upper
96	100		
61	137.8	107.4	161.0
98	61.5	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.743 ug/l

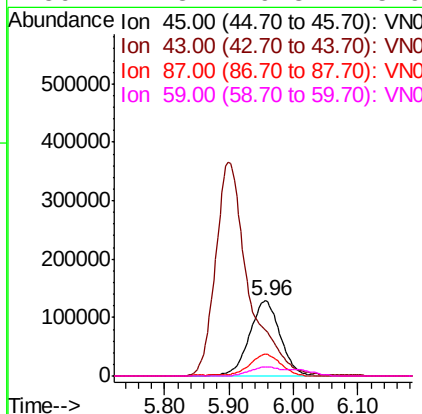
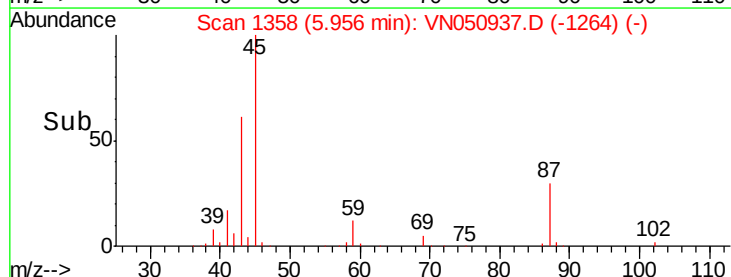
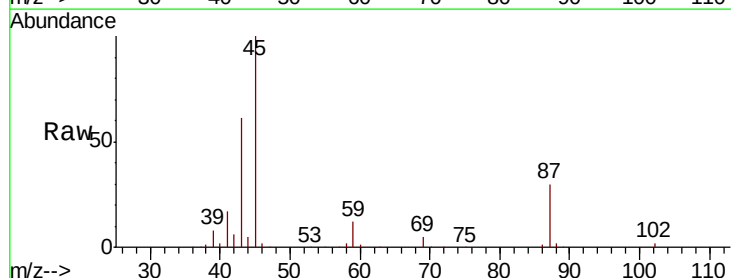
RT: 5.96 min Scan# 1358

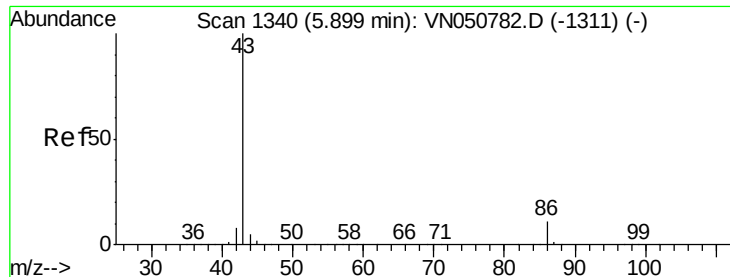
Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion:	45	Resp:	430753
Ion	Ratio	Lower	Upper
45	100		
43	59.6	45.9	68.9
87	29.7	22.7	34.1
59	11.3	9.3	13.9





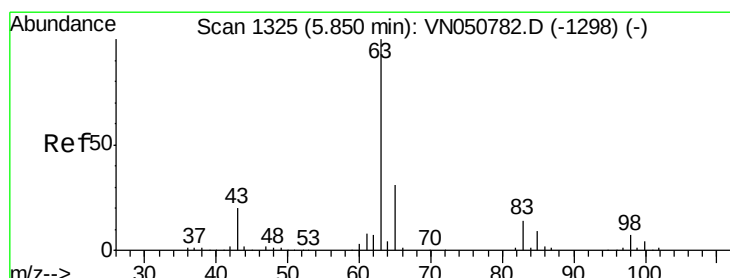
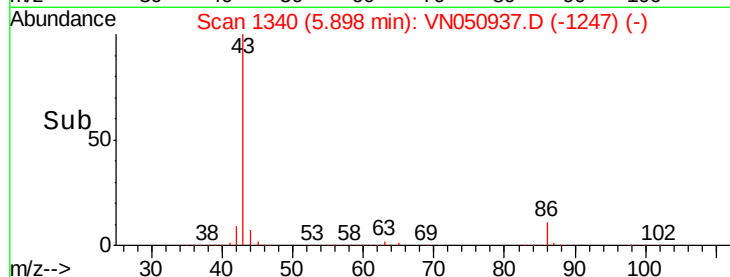
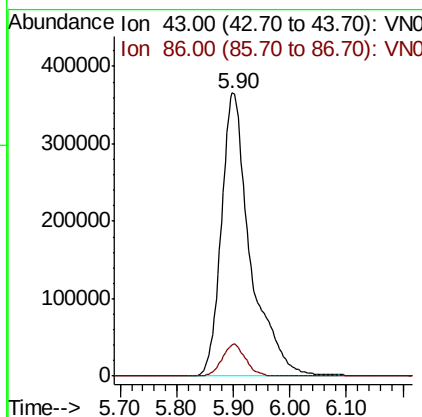
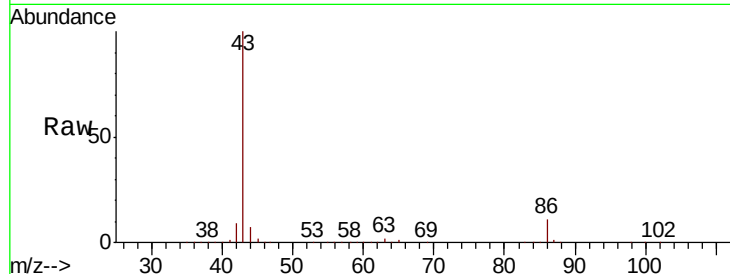
#23
Vinyl Acetate
Concen: 97.479 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampled :
VN0829MBS01

Tot Ion: 43 Resp: 1303642
Ion Ratio Lower Upper
43 100
86 11.2 8.7 13.1

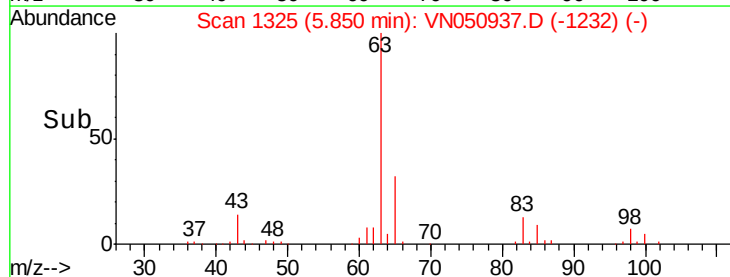
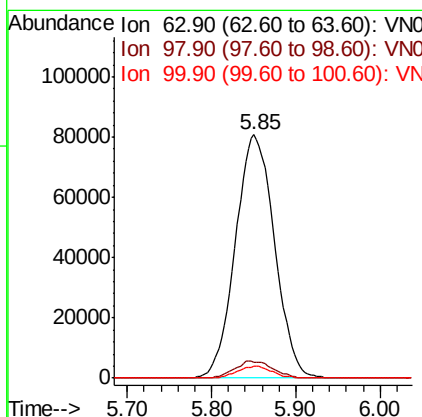
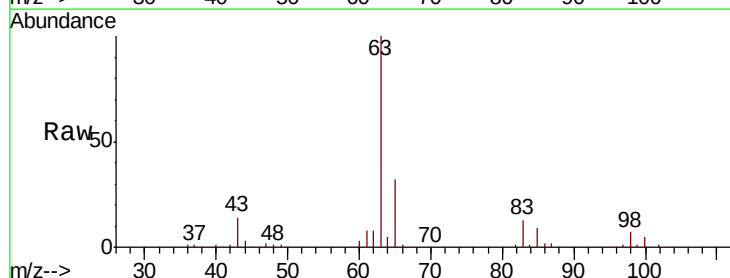
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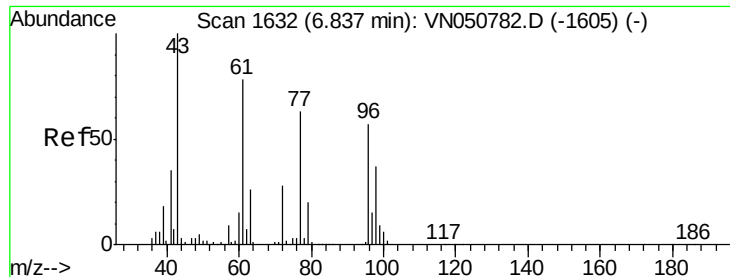
MMDadoda
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#24
1,1-Dichloroethane
Concen: 19.520 ug/l
RT: 5.85 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion: 63 Resp: 260238
Ion Ratio Lower Upper
63 100
98 6.7 3.3 9.8
100 4.6 2.1 6.5





#25

2-Butanone

Concen: 94.217 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampled :

VN0829MBS01

Tot Ion: 43 Resp: 272155

Ion Ratio Lower Upper

43 100

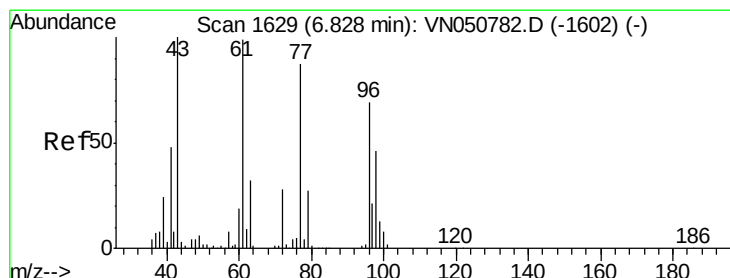
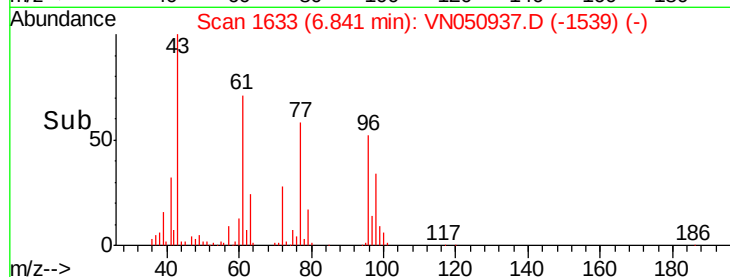
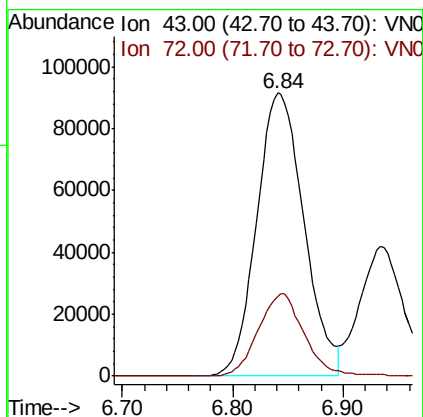
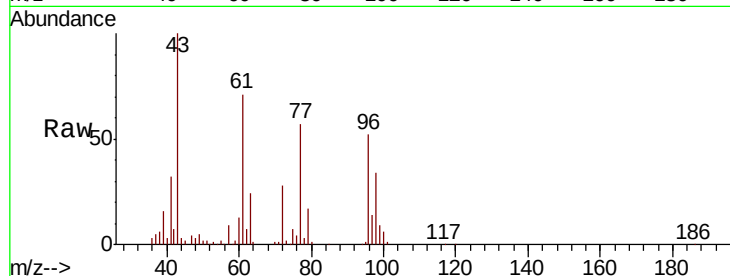
72 28.2 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.052 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050937.D

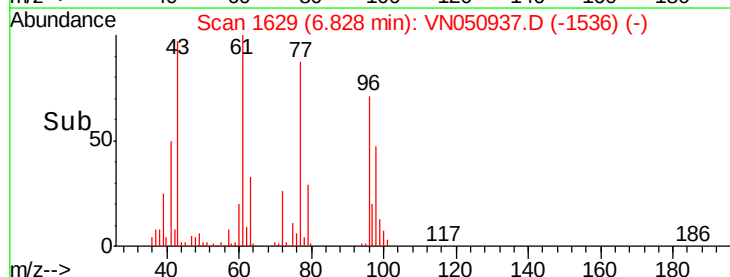
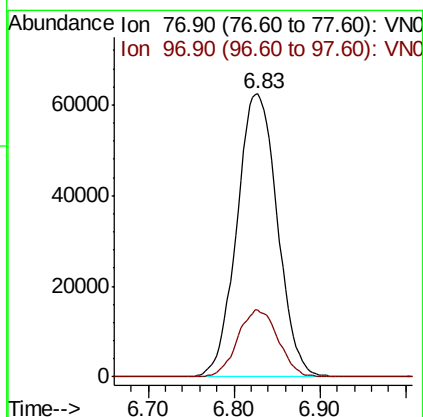
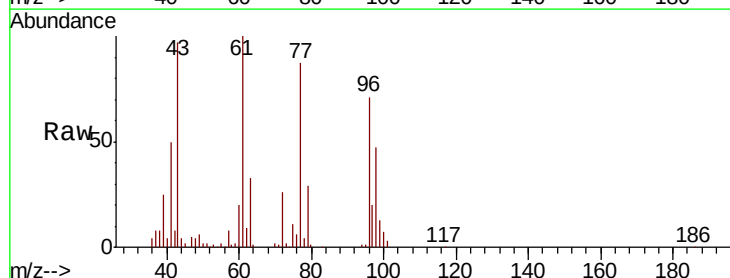
Acq: 29 Aug 2018 9:31

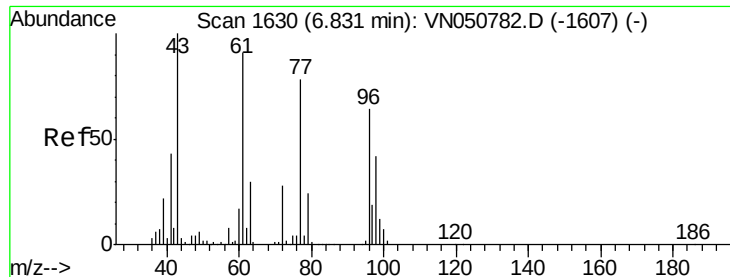
Tgt Ion: 77 Resp: 204103

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.725 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

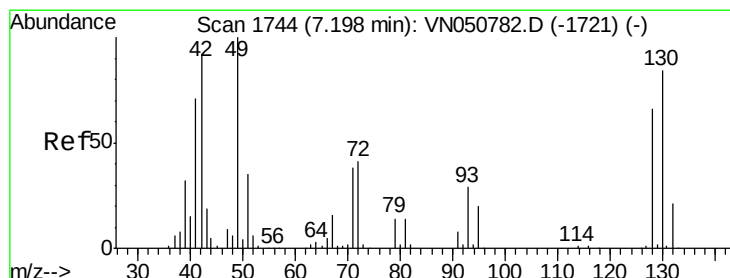
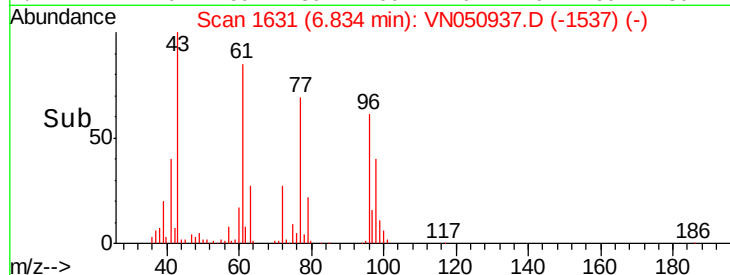
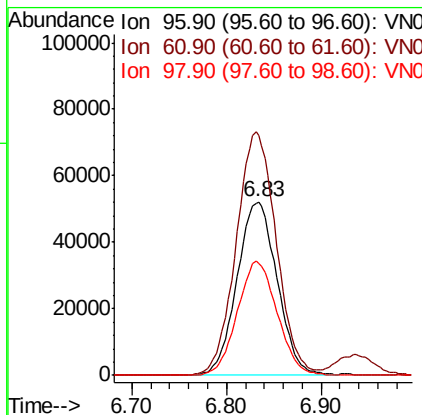
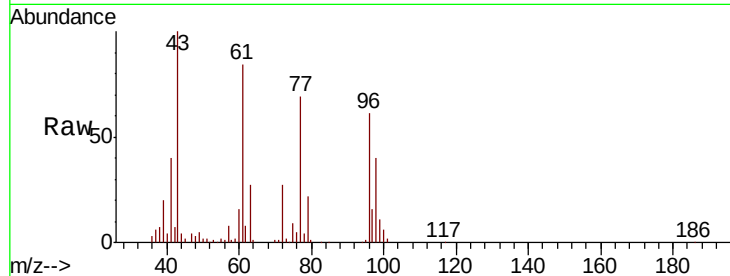
ClientSampleId :

VN0829MBS01

Tot Ion:	96	Resp:	153810
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	283.4
98	65.2	0.0	129.8

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#28

Bromochloromethane

Concen: 18.427 ug/l

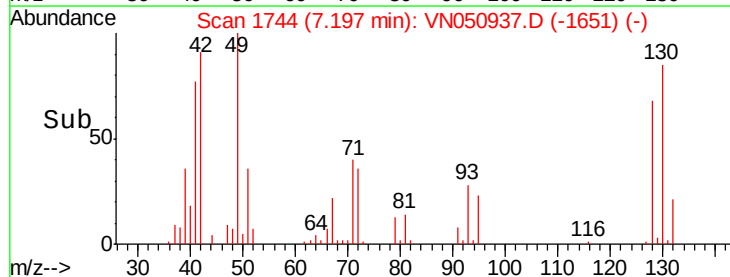
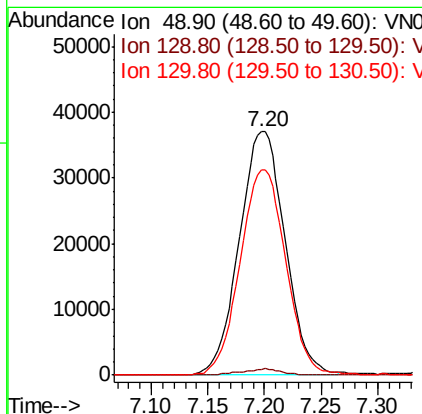
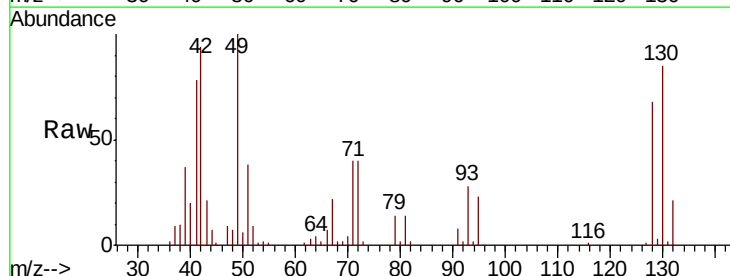
RT: 7.20 min Scan# 1744

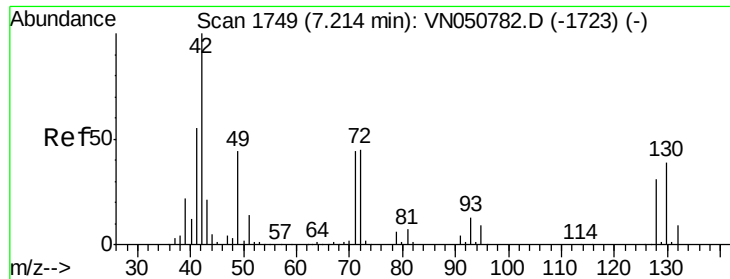
Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion:	49	Resp:	104393
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.8	67.1	100.7





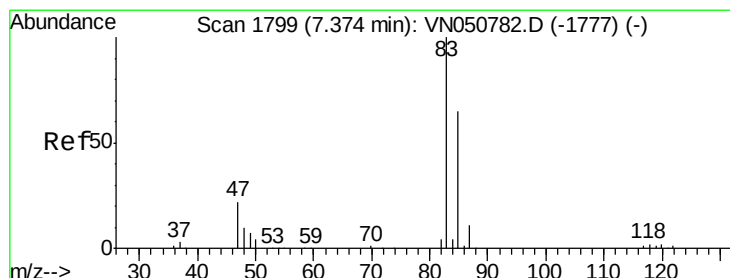
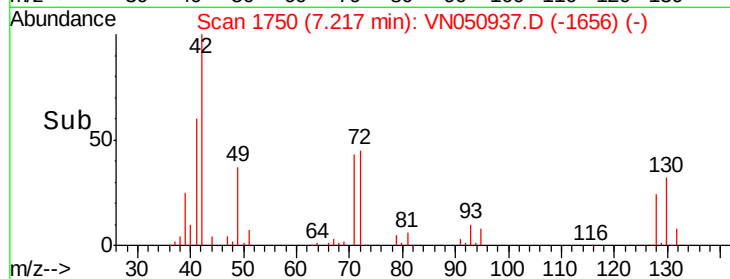
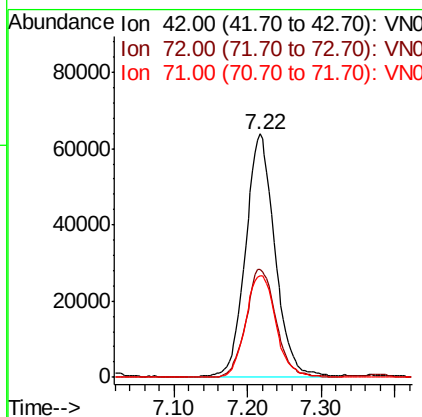
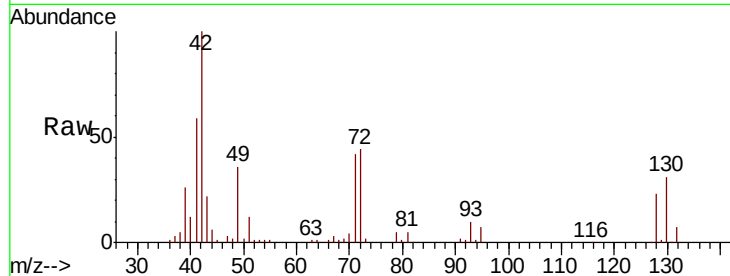
#29
Tetrahydrofuran
Concen: 106.157 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.5	53.3
71	43.3	33.7	50.5

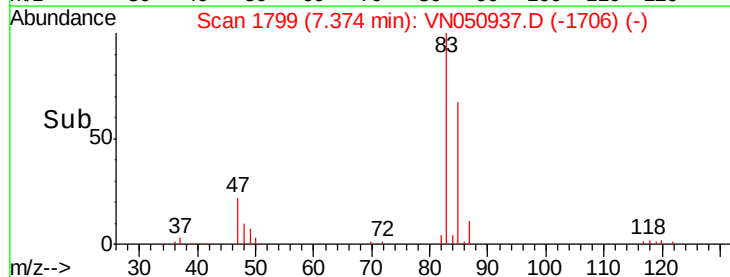
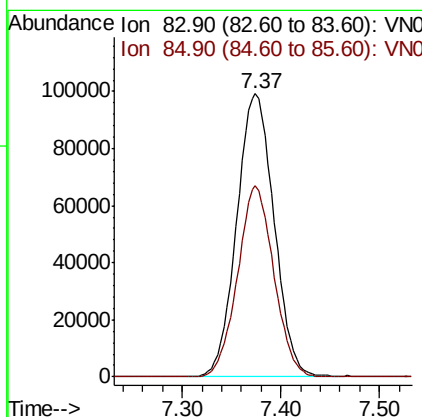
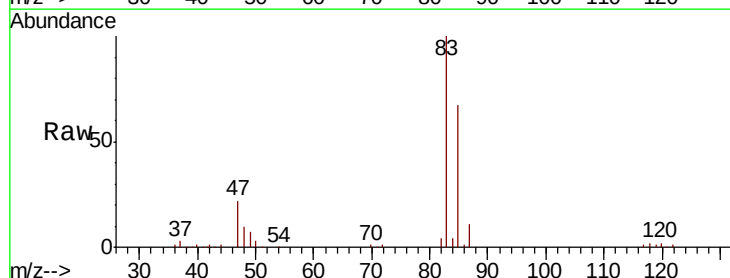
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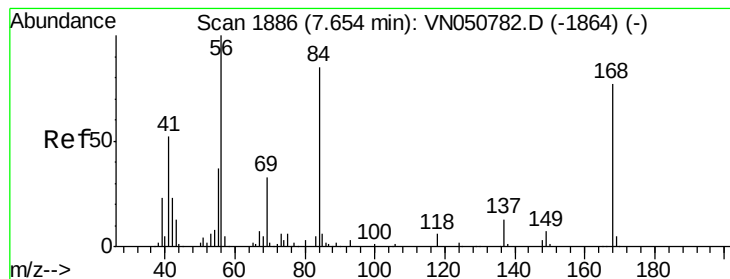
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#30
Chloroform
Concen: 19.692 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.2	78.4





#31

Cyclohexane

Concen: 18.651 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

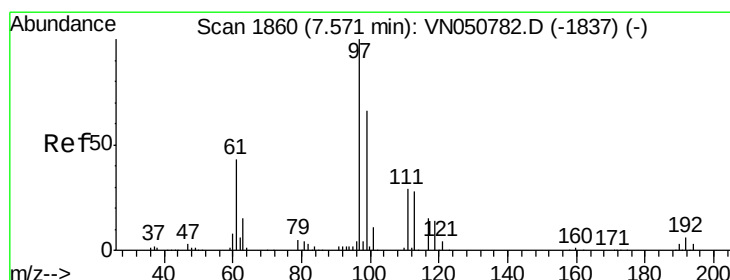
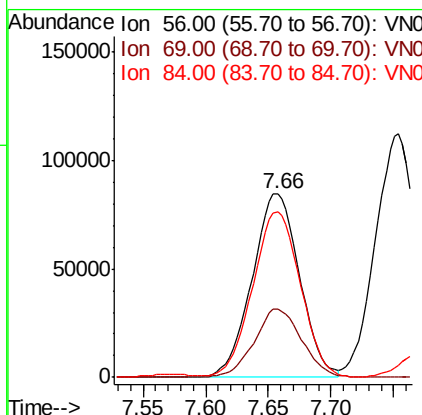
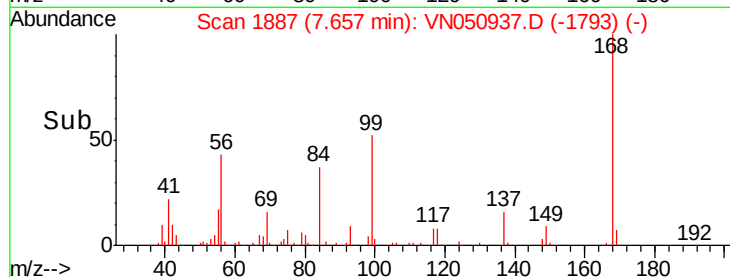
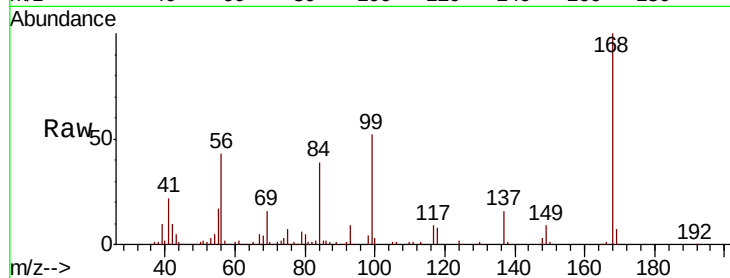
ClientSampled :

VN0829MBS01

Tot Ion	56	Resp	222452
Ion Ratio	Lower	Upper	
56	100		
69	37.1	26.2	39.4
84	88.8	68.3	102.5

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#32

1,1,1-Trichloroethane

Concen: 19.342 ug/l

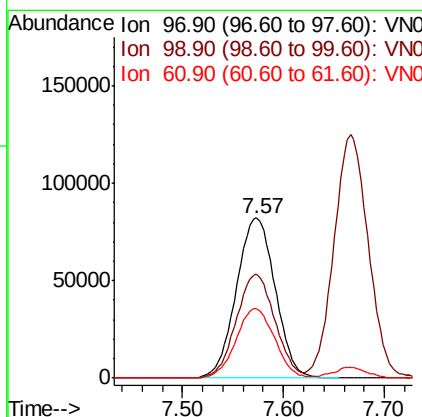
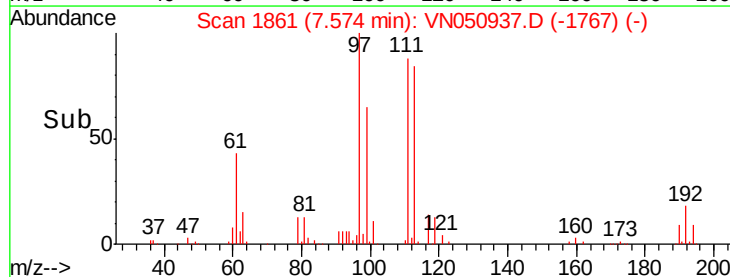
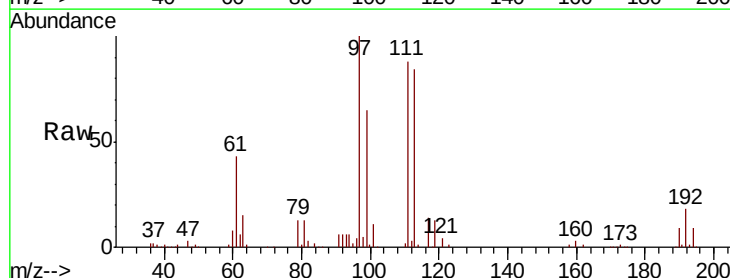
RT: 7.57 min Scan# 1861

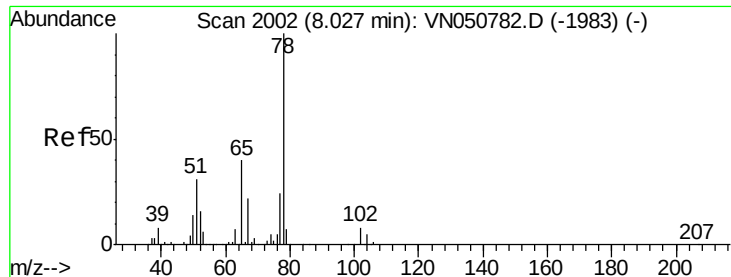
Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion	97	Resp	219329
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.8	77.6
61	43.2	34.9	52.3





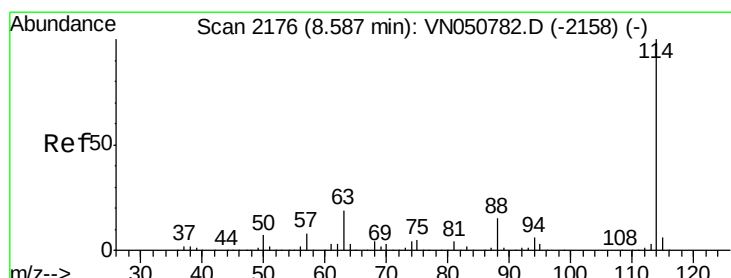
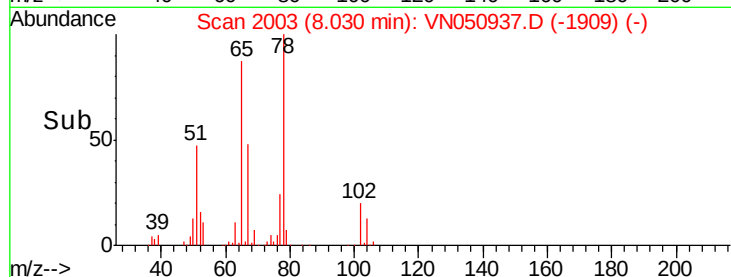
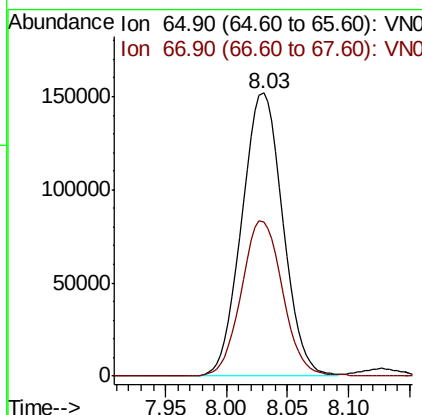
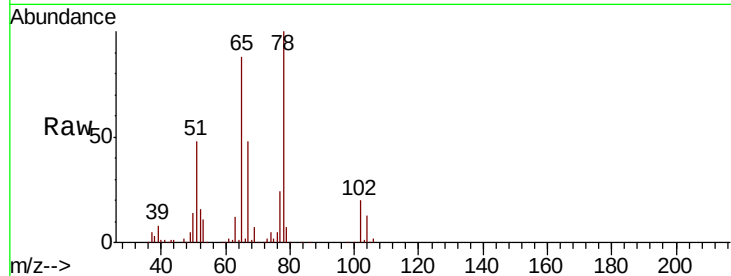
#33
 1,2-Dichloroethane-d4
 Concen: 49.508 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	110.4	

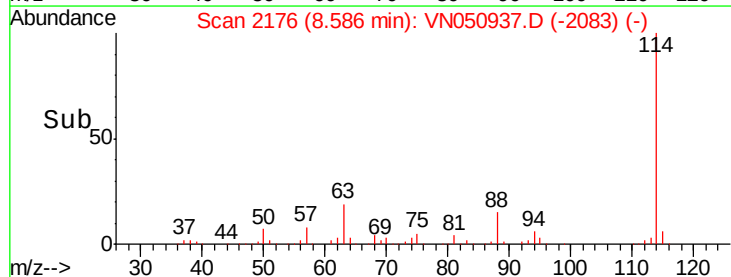
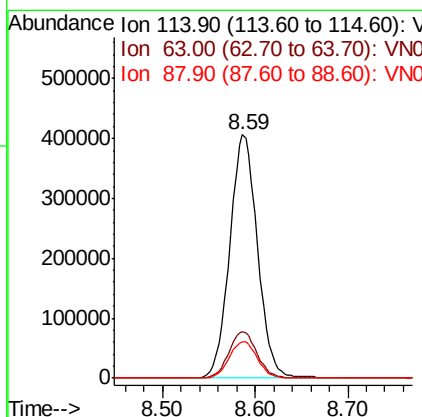
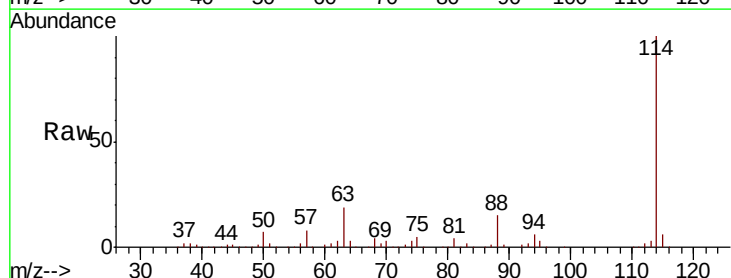
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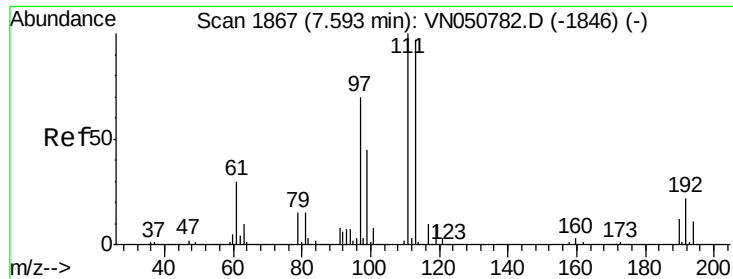
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	38.6	
88	15.0	0.0	30.6	





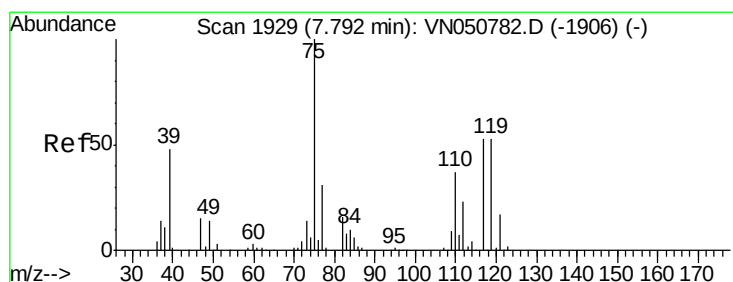
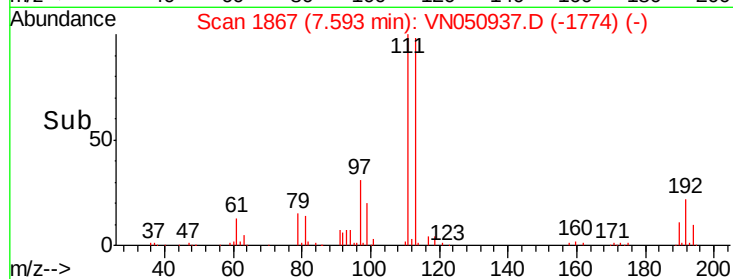
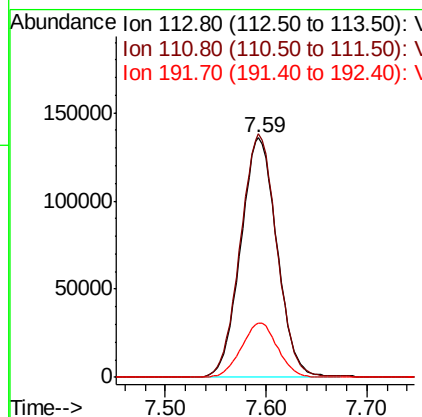
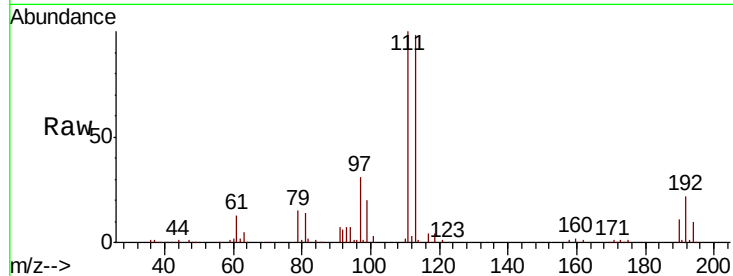
#35
 Dibromofluoromethane
 Concen: 50.508 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	82.6	123.8	
192	22.8	18.0	27.0	

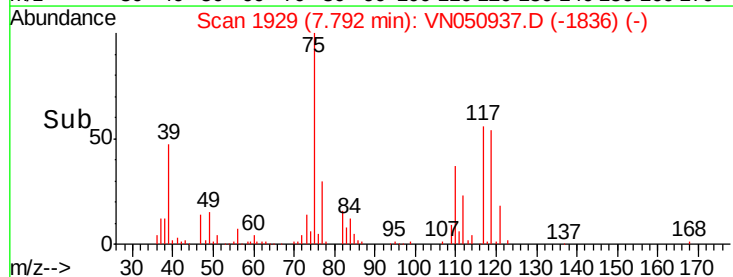
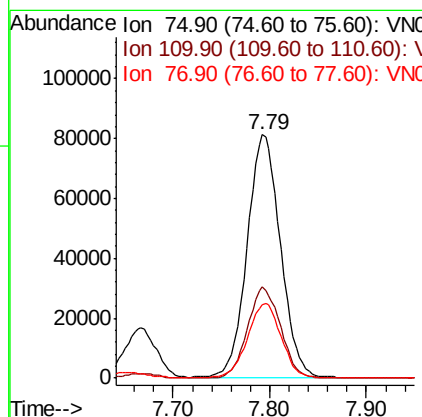
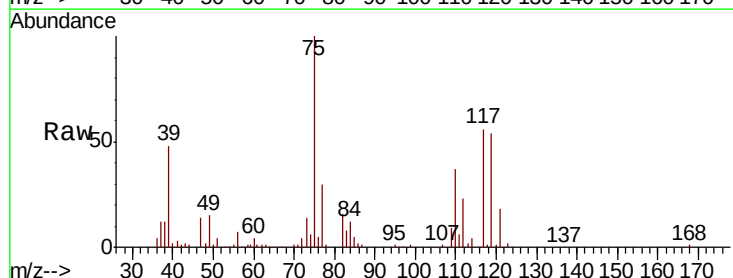
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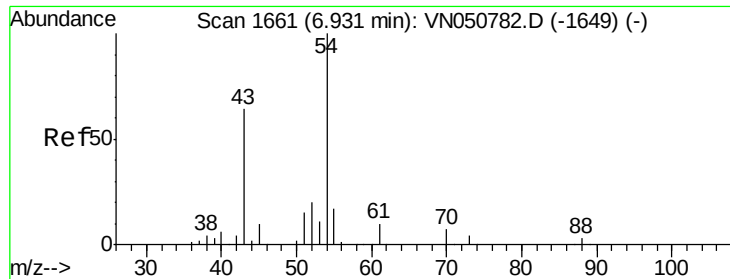
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#36
 1,1-Dichloropropene
 Concen: 19.492 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	18.1	54.4	
77	31.4	24.8	37.2	





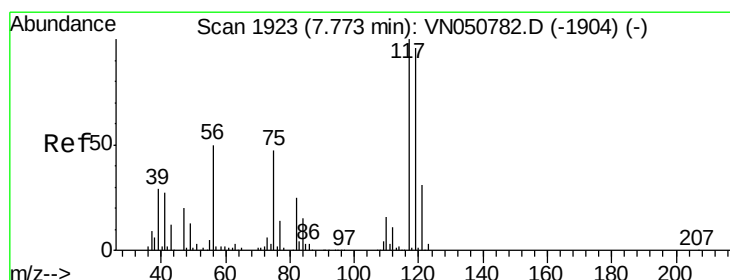
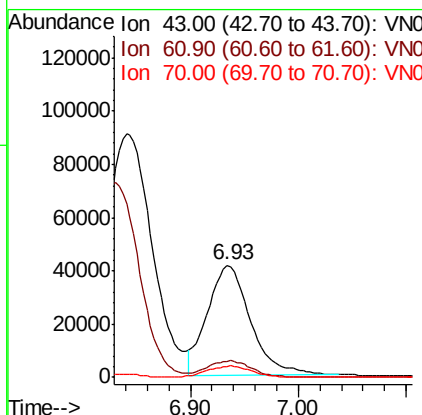
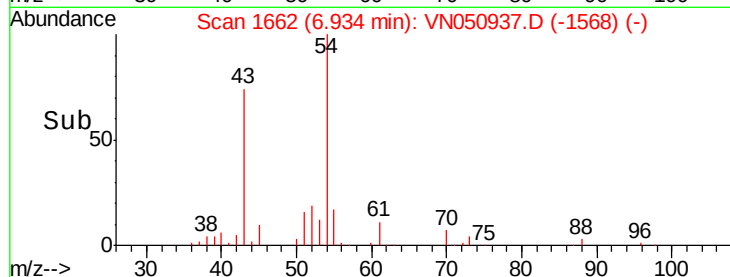
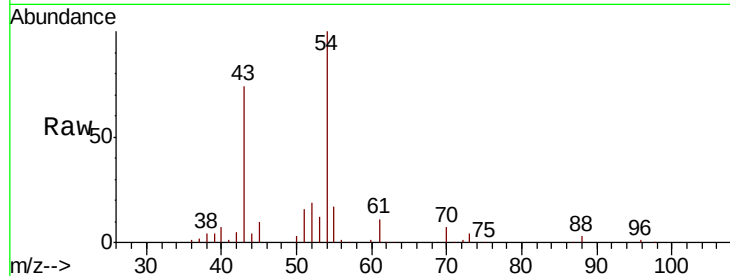
#37
Ethyl Acetate
Concen: 20.330 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	10.8	8.6	13.0

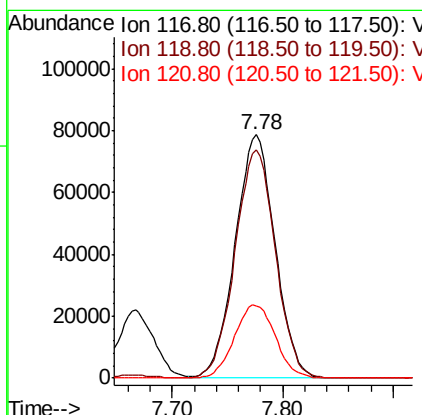
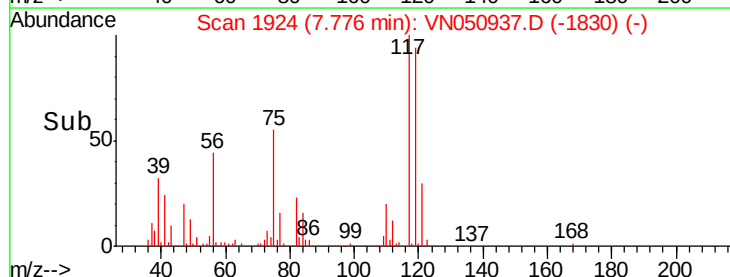
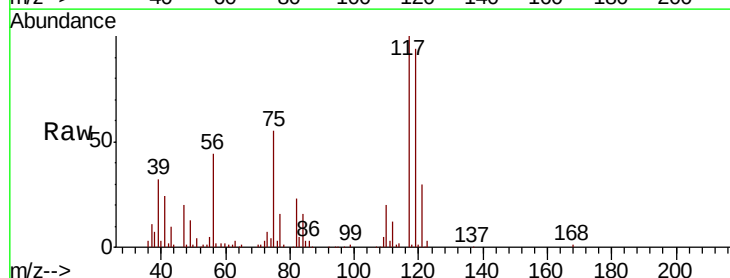
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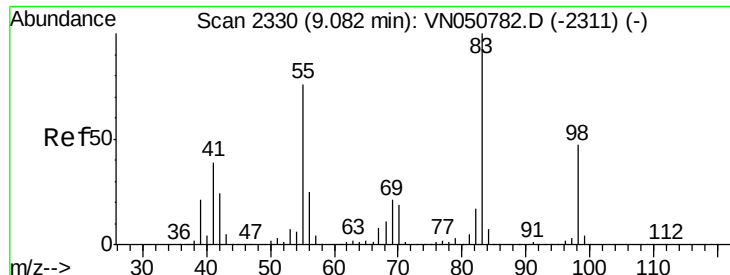
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#38
Carbon Tetrachloride
Concen: 19.582 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.3	114.5
121	29.8	24.6	36.8





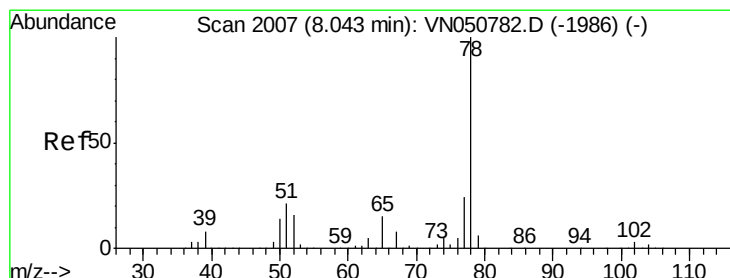
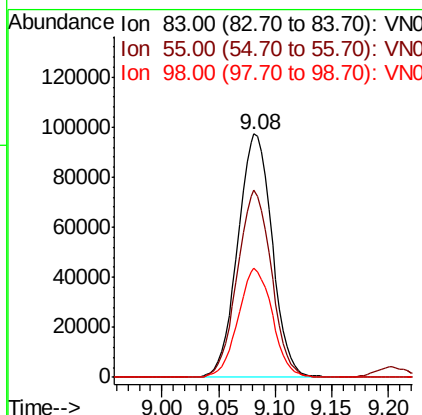
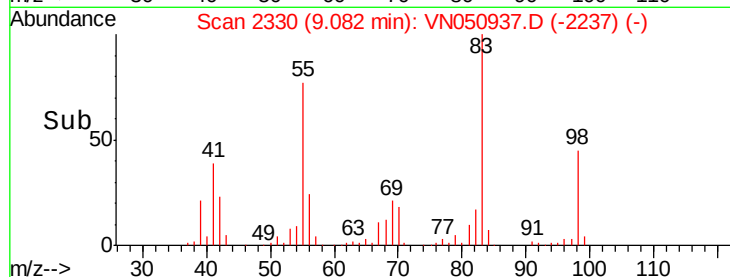
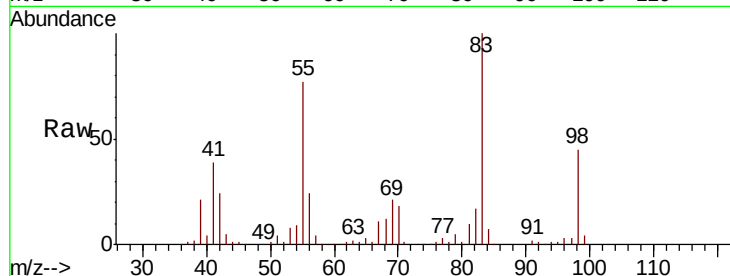
#39
Methylvlcyclohexane
Concen: 19.107 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.9	61.0	91.4	
98	44.8	37.5	56.3	

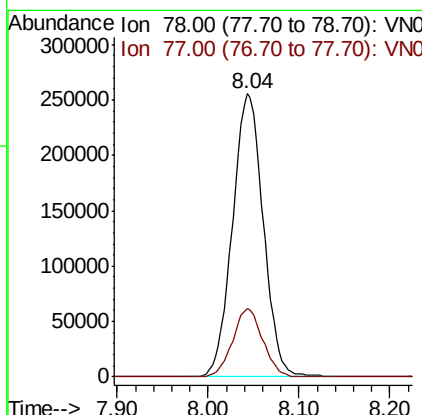
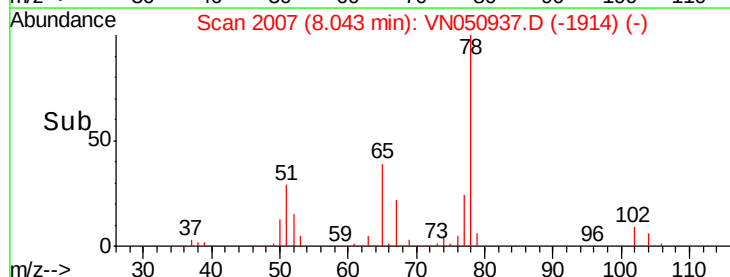
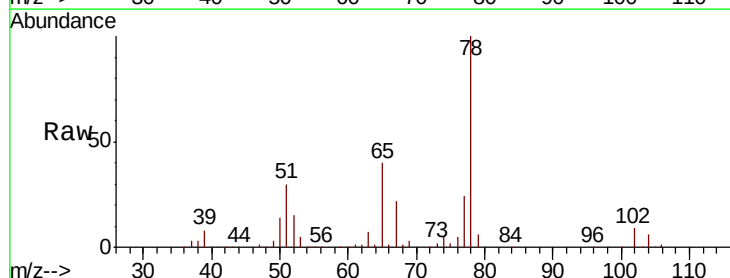
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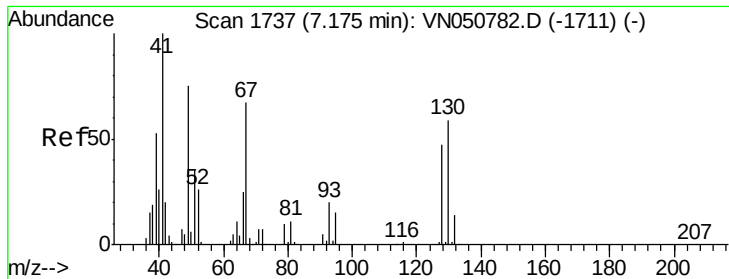
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#40
Benzene
Concen: 20.027 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.4	





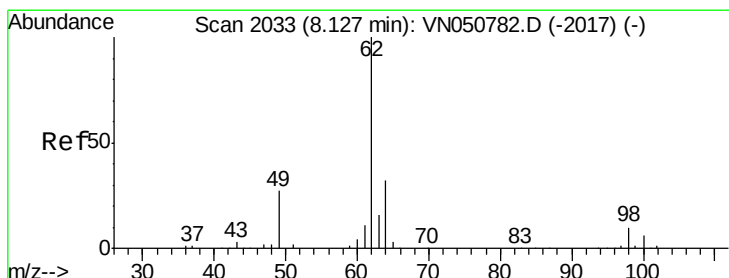
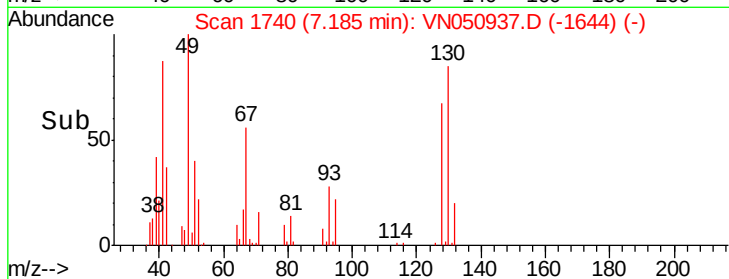
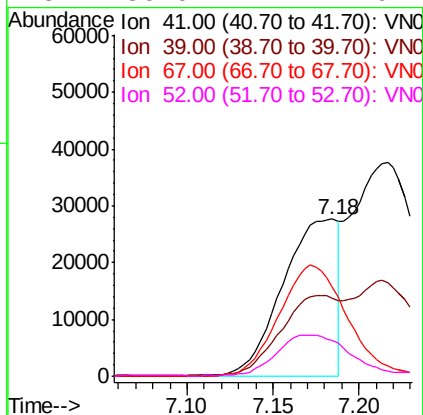
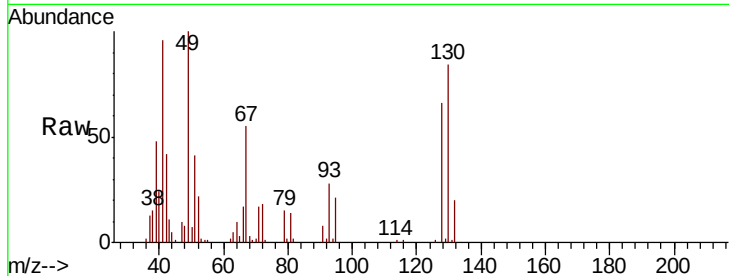
#41
Methacrylonitrile
Concen: 20.018 ug/l
RT: 7.18 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.4	68.0
67	88.8	70.6	106.0
52	36.0	27.1	40.7

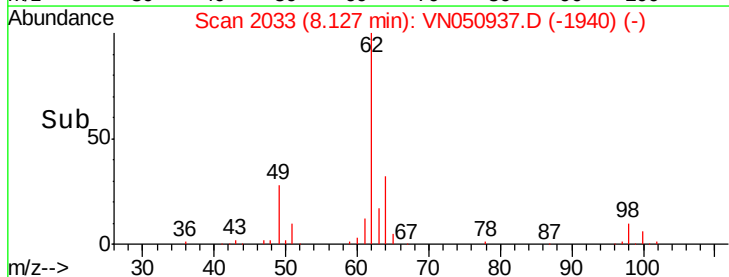
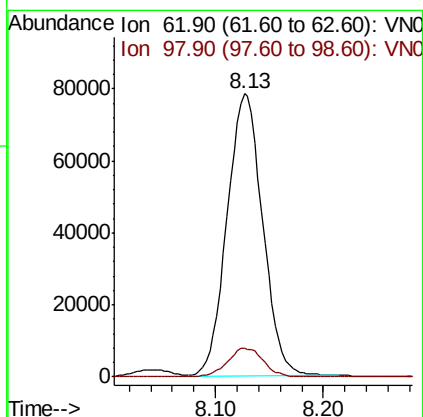
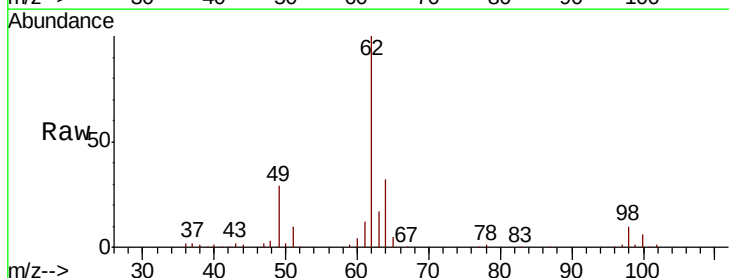
Manual Integrations
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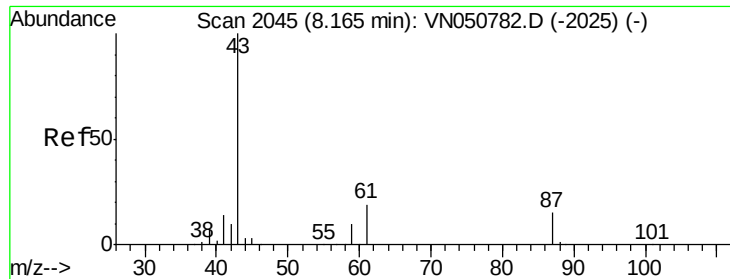
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.145 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 22.216 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

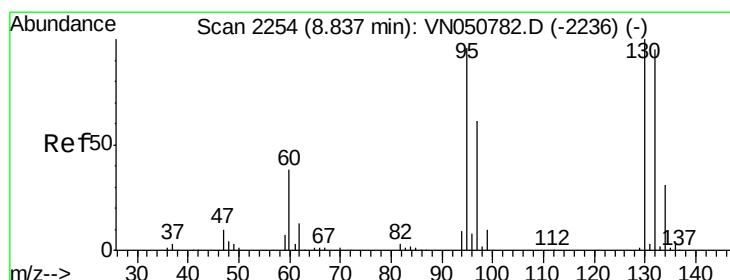
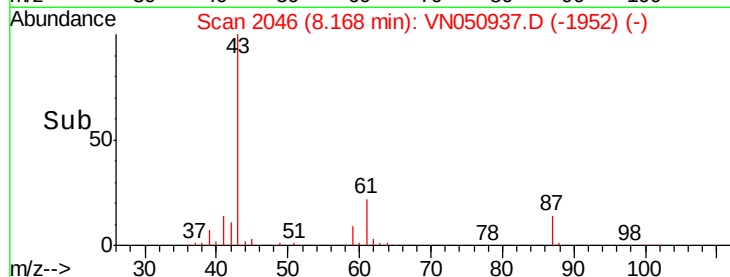
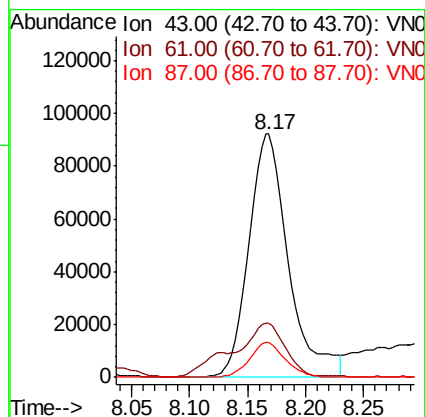
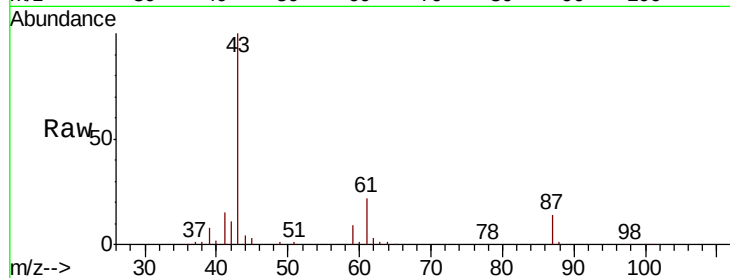
ClientSampleId :

VN0829MBS01

Tot Ion:	43	Resp:	218234
Ion	Ratio	Lower	Upper
43	100		
61	19.5	17.5	26.3
87	13.0	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.812 ug/l

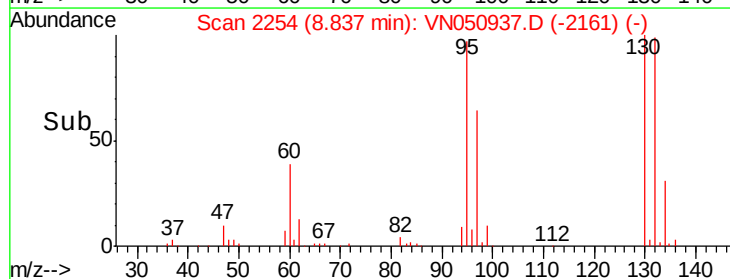
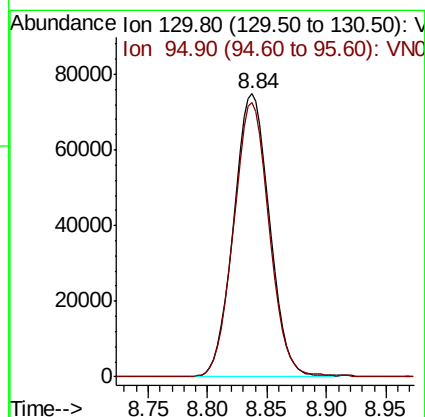
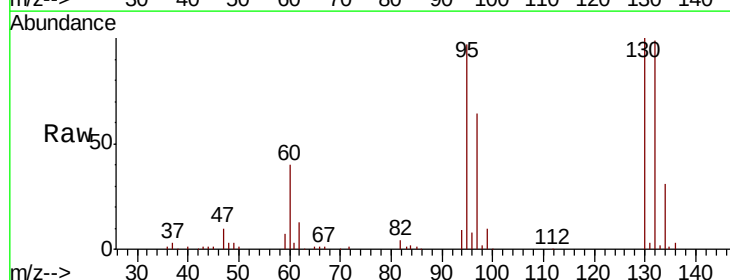
RT: 8.84 min Scan# 2254

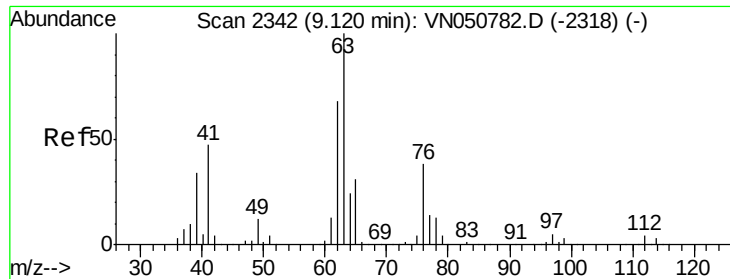
Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion:	130	Resp:	156710
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	193.0





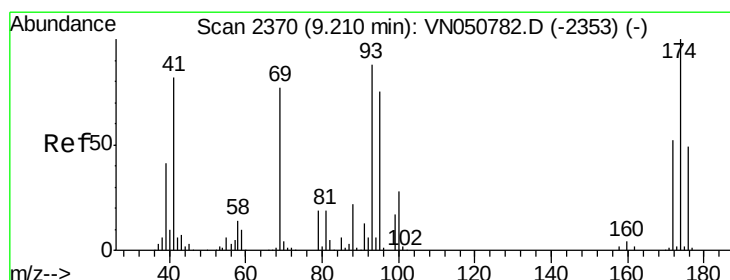
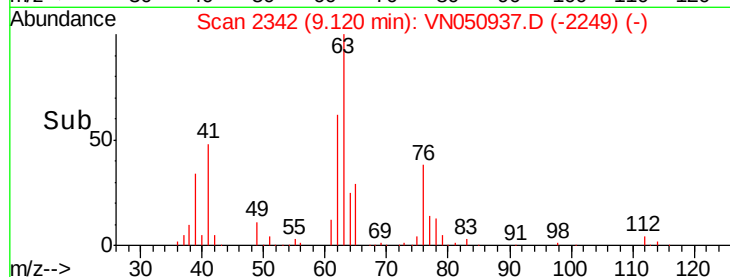
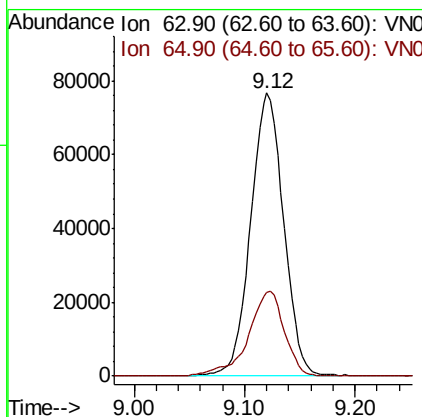
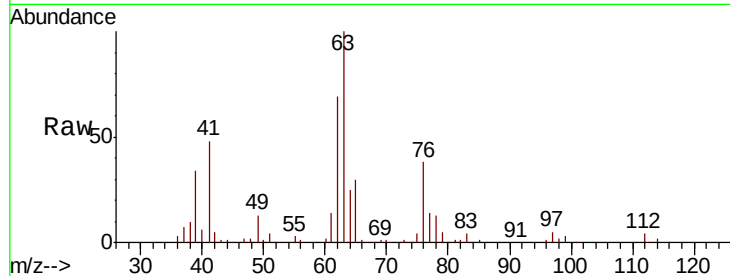
#45
 1,2-Dichloropropane
 Concen: 20.165 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829MBS01

Tot Ion: 63 Resp: 158954
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.6

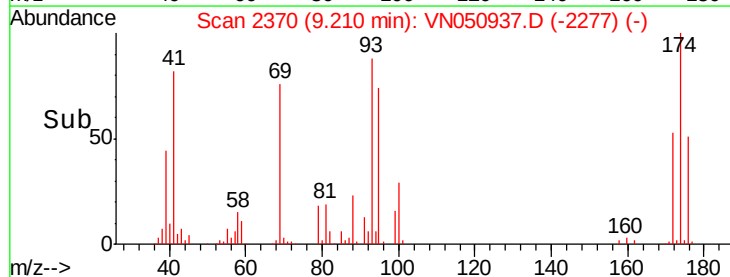
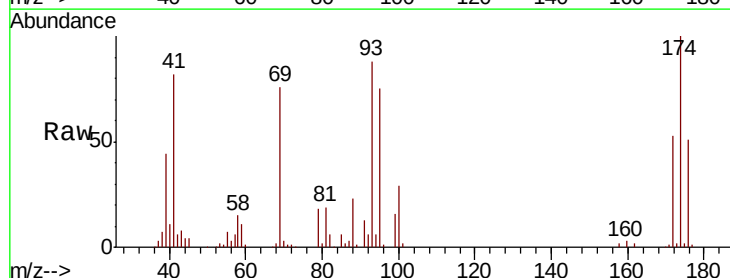
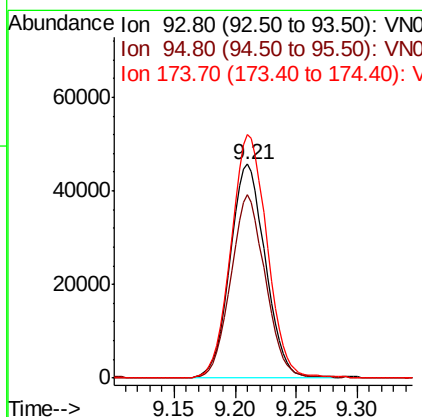
Manual Integrations
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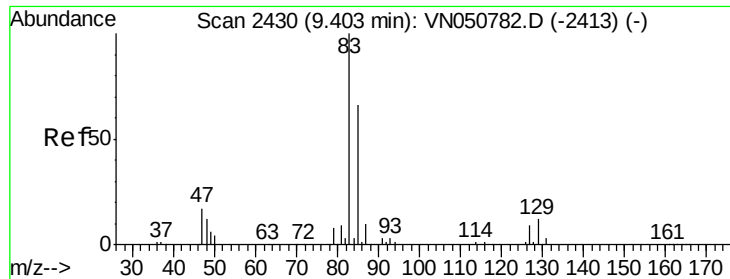
MMDadoda
 8/30/2018 11:07:26 AM



#46
 Dibromomethane
 Concen: 19.937 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion: 93 Resp: 92339
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 115.9 89.8 134.6





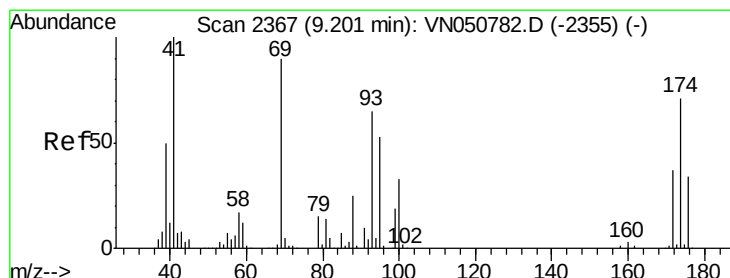
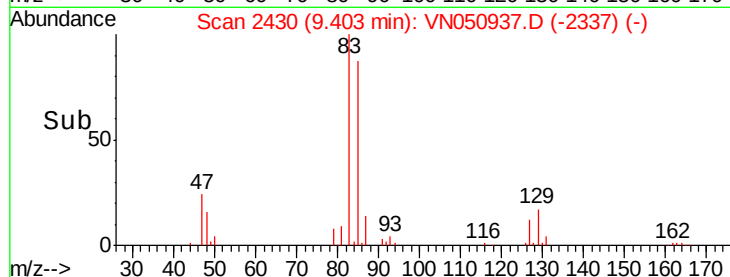
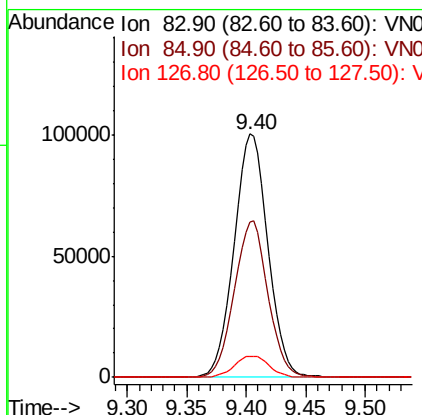
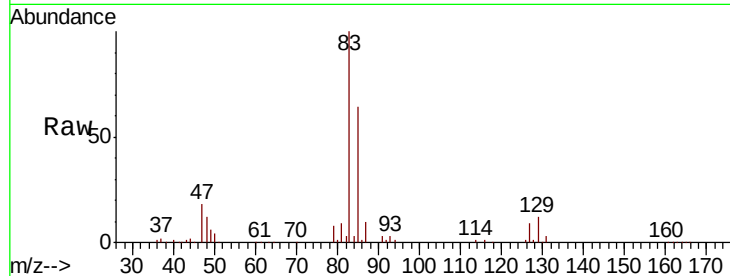
#47
Bromodichloromethane
Concen: 20.362 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampled :
VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	197530		
85	63.7	52.6	78.8	
127	8.8	7.2	10.8	

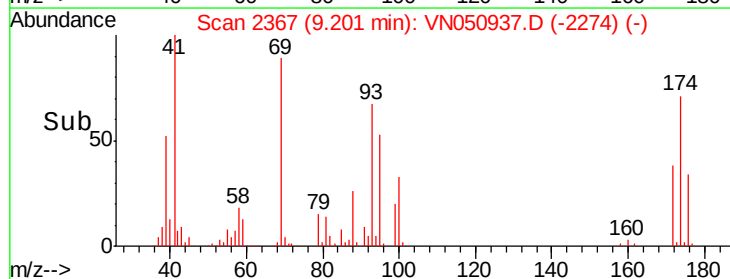
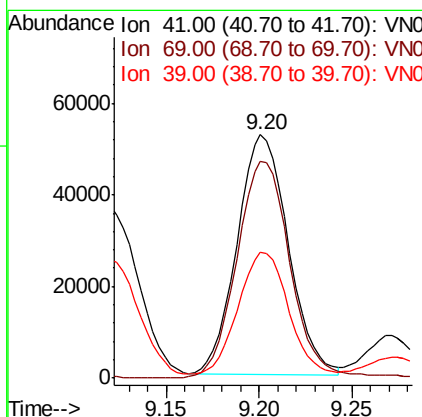
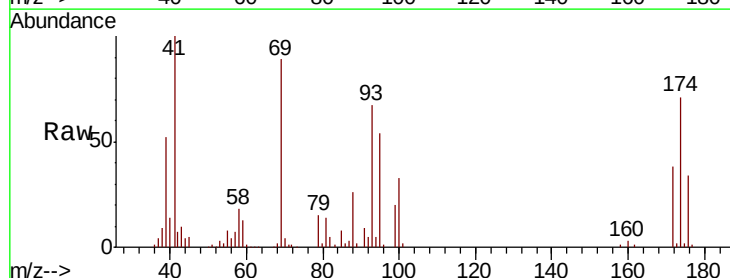
Manual Integrations
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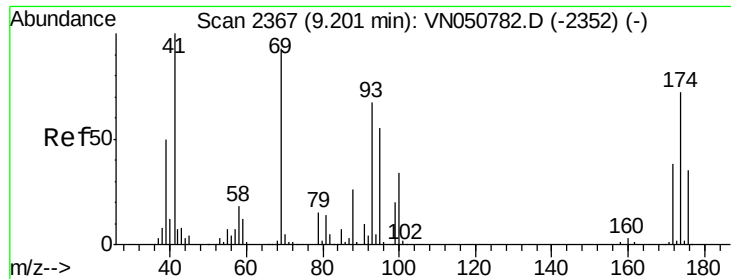
MMDadoda
8/30/2018 11:07:26 AM



#48
Methyl methacrylate
Concen: 20.013 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100192		
69	96.0	74.7	112.1	
39	53.0	42.2	63.2	





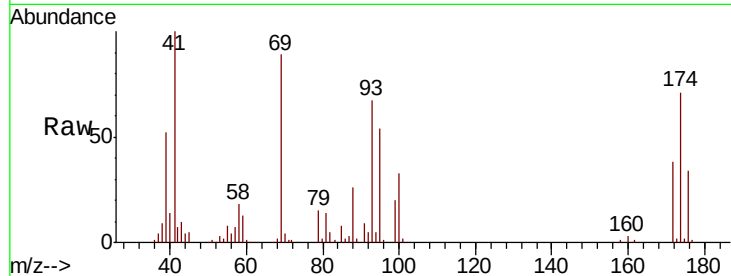
#49
 1,4-Dioxane
 Concen: 438.899 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	25.9	38.9
58	65.7	55.0	82.4

Manual Integrations
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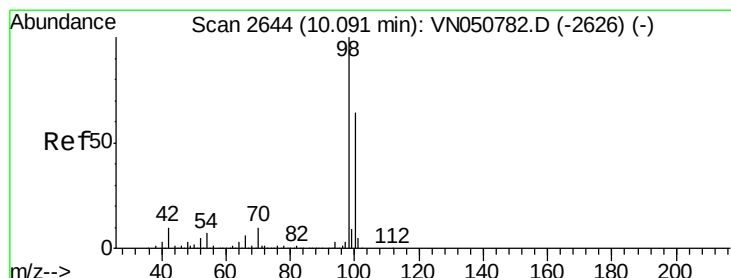
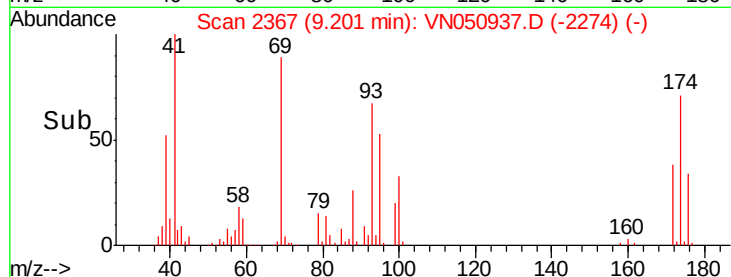
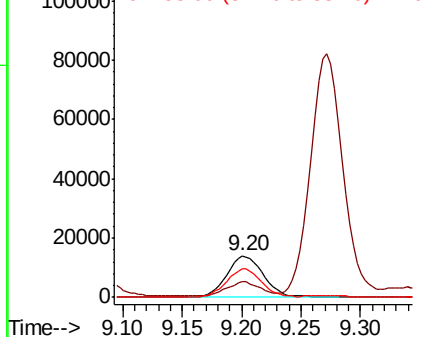


Abundance

Ion 88.00 (87.70 to 88.70): VN050937.D (-2274) (-)

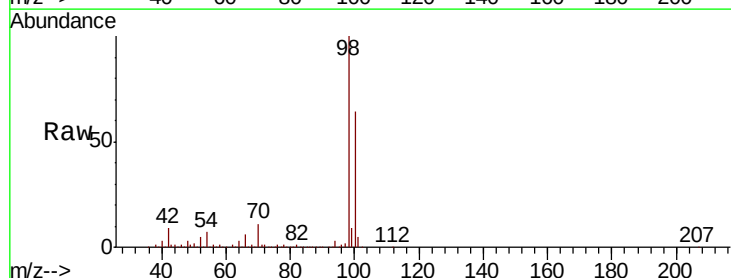
Ion 43.00 (42.70 to 43.70): VN050937.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN050937.D (-2274) (-)



#50
 Toluene-d8
 Concen: 50.219 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

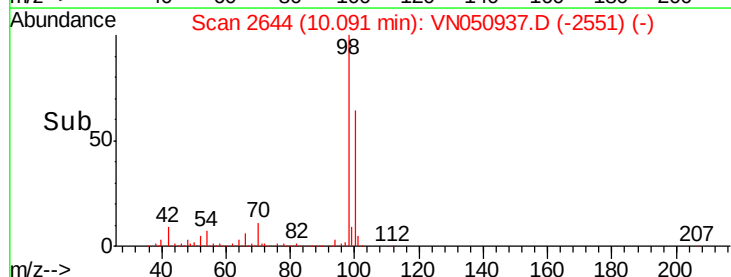
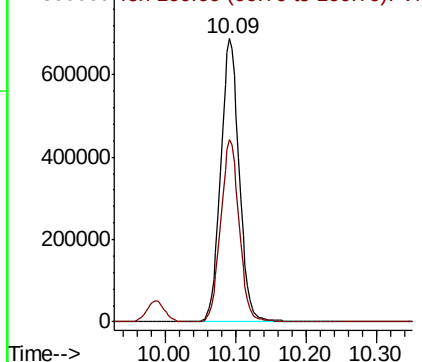
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3

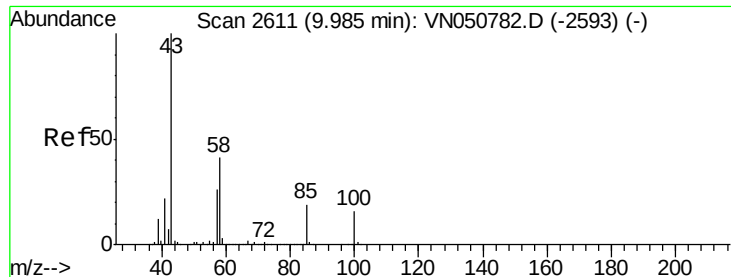


Abundance

Ion 98.00 (97.70 to 98.70): VN050937.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN050937.D (-2551) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.999 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion: 43 Resp: 603791

Ion Ratio Lower Upper

43 100

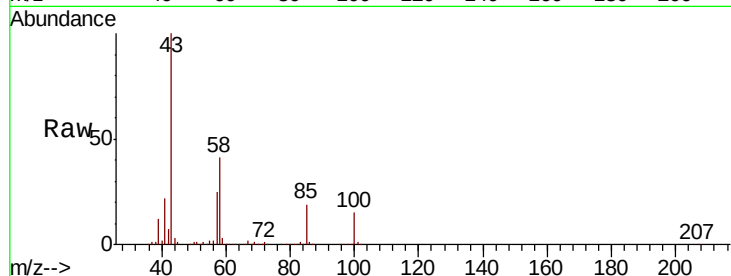
58 40.4 32.4 48.6

Manual Integrations

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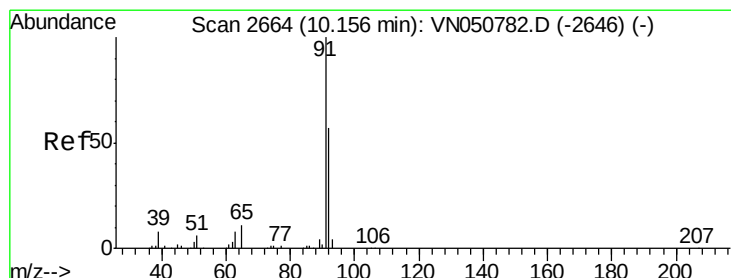
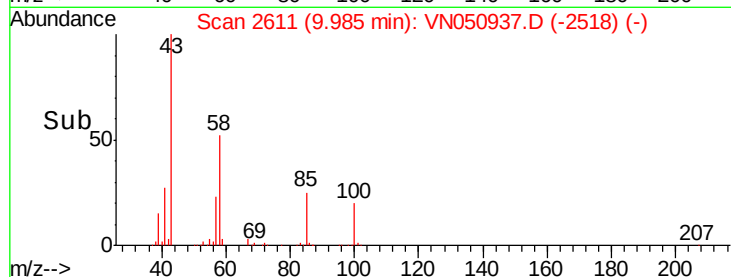
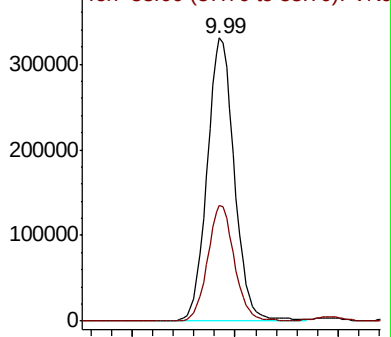
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.594 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050937.D

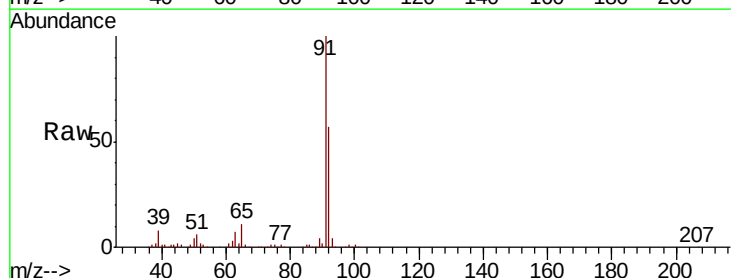
Acq: 29 Aug 2018 9:31

Tgt Ion: 92 Resp: 365892

Ion Ratio Lower Upper

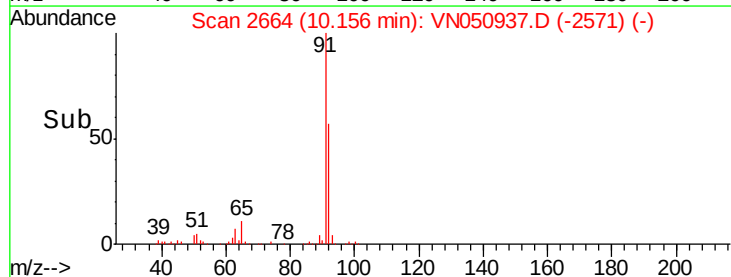
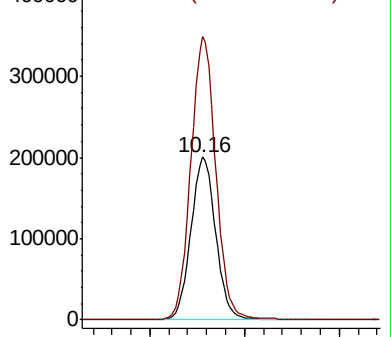
92 100

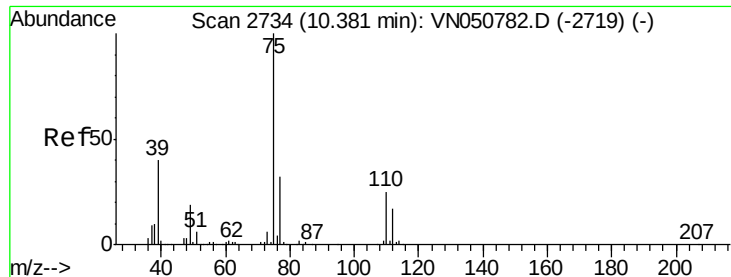
91 174.9 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.711 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampled :

VN0829MBS01

Tot Ion: 75 Resp: 190327

Ion Ratio Lower Upper

75 100

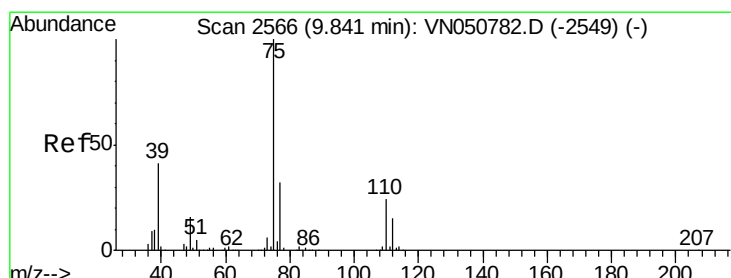
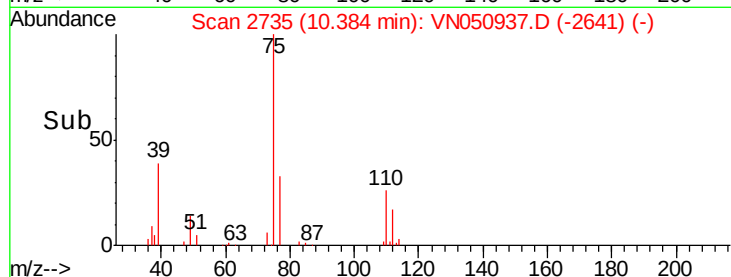
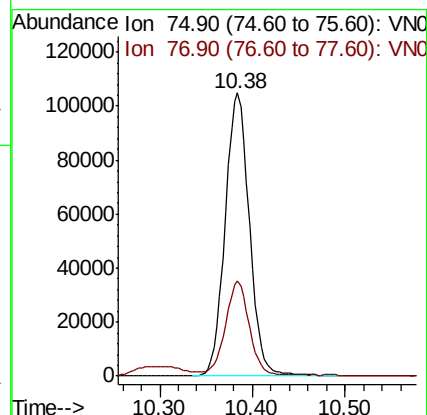
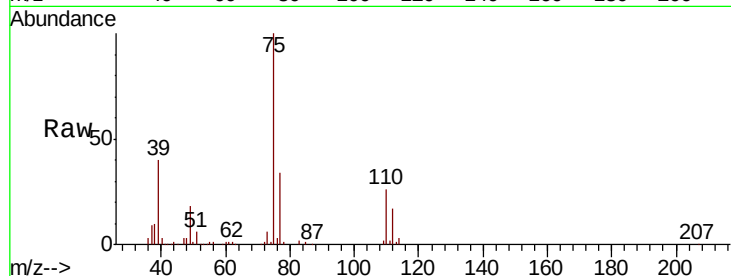
77 33.1 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.136 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

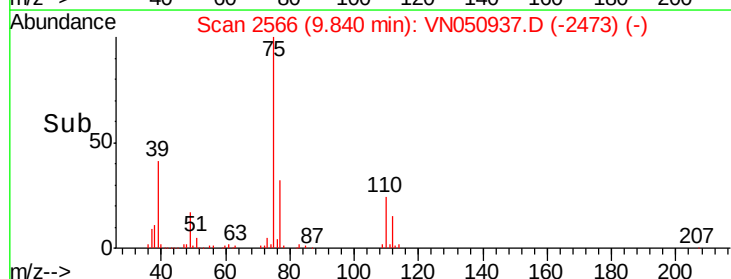
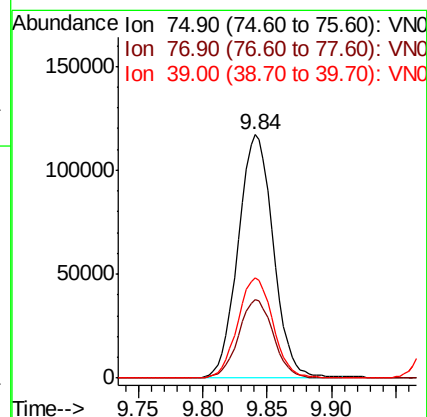
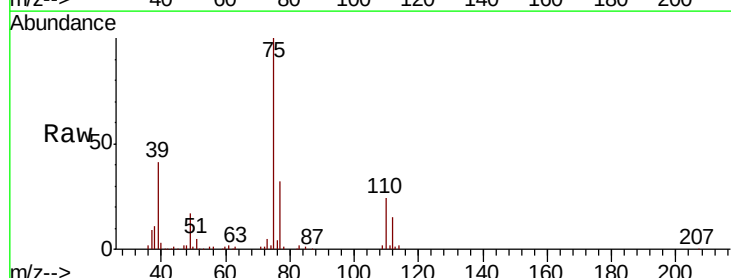
Tgt Ion: 75 Resp: 222648

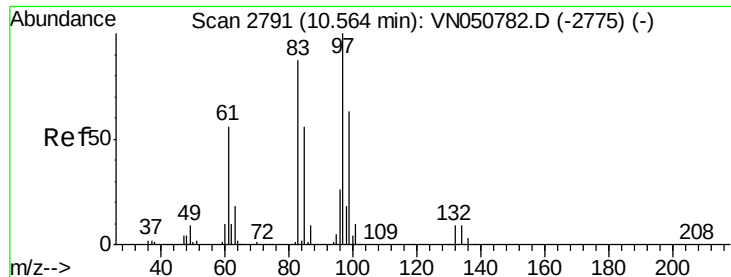
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

39 41.1 33.0 49.4





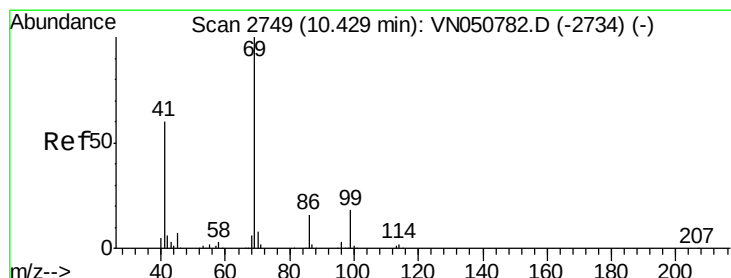
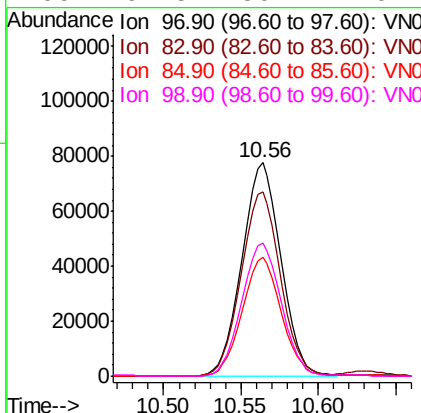
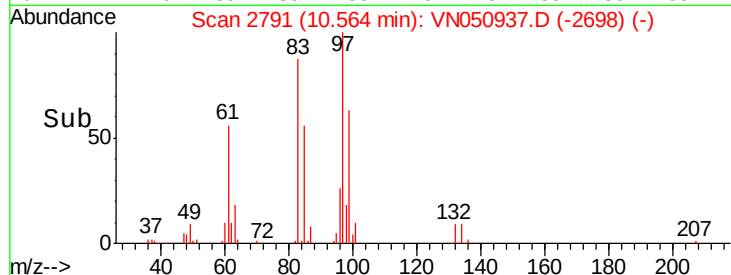
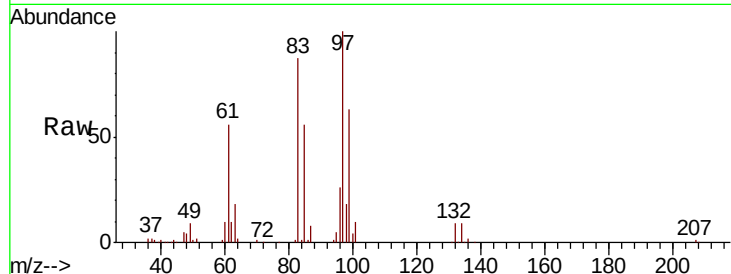
#55
 1,1,2-Trichloroethane
 Concen: 20.726 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136671		
83	86.5	69.7	104.5		
85	55.9	44.5	66.7		
99	62.5	50.7	76.1		

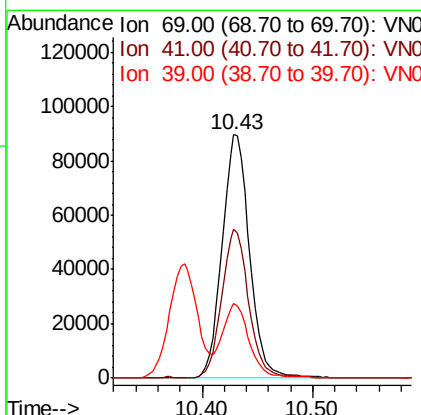
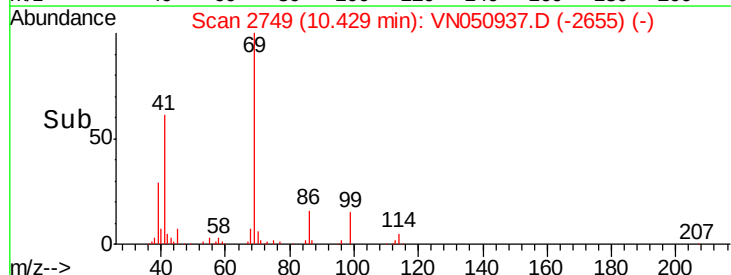
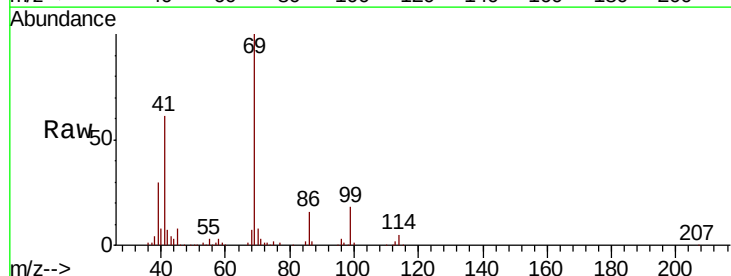
Manual Integrations
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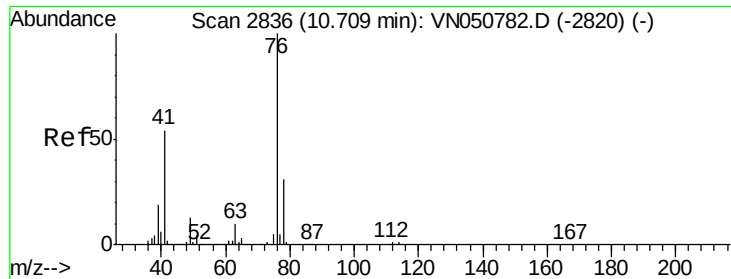
MMDadoda
 8/30/2018 11:07:26 AM



#56
 Ethyl methacrylate
 Concen: 19.506 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		154433		
41	59.9	48.3	72.5		
39	29.7	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 20.534 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampled :

VN0829MBS01

Tot Ion: 76 Resp: 223499

Ion Ratio Lower Upper

76 100

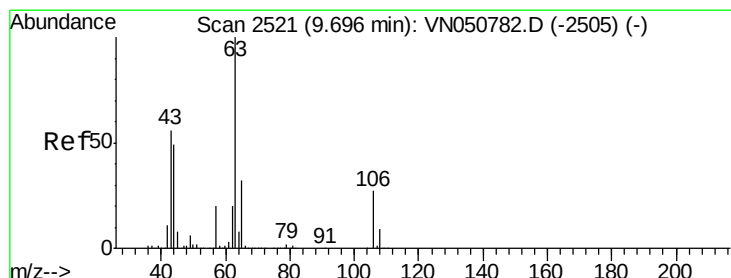
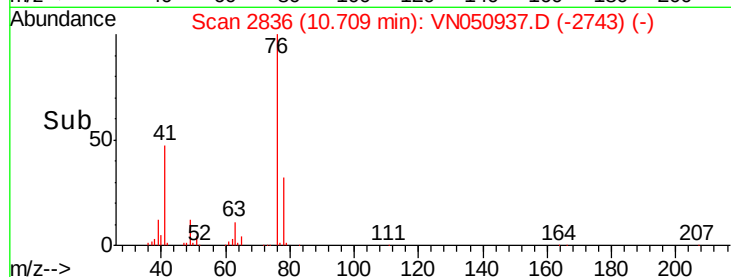
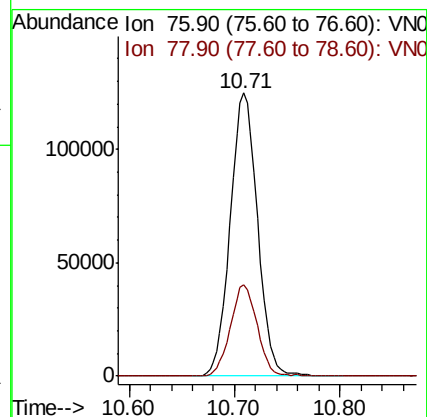
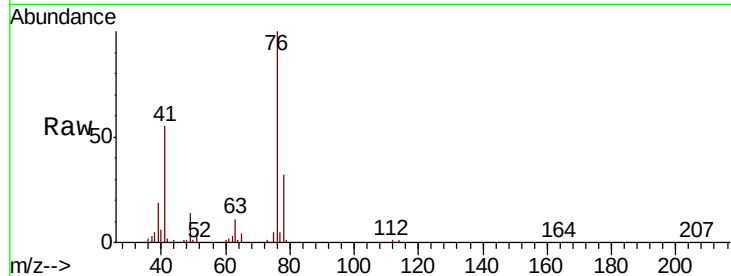
78 31.8 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.819 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050937.D

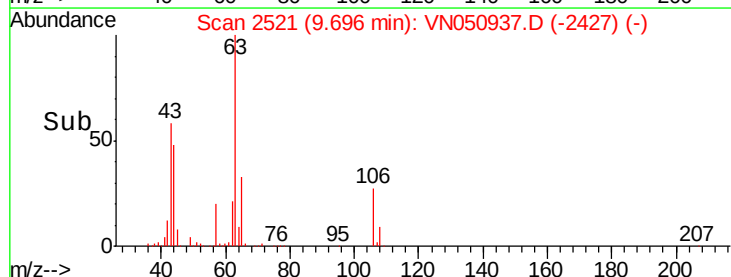
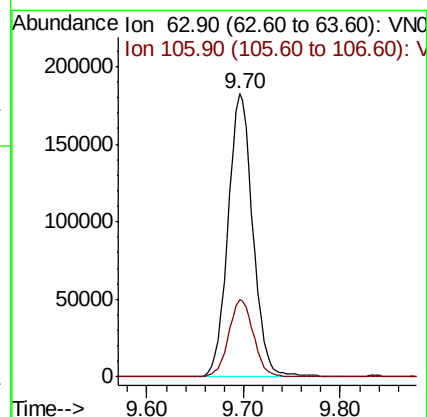
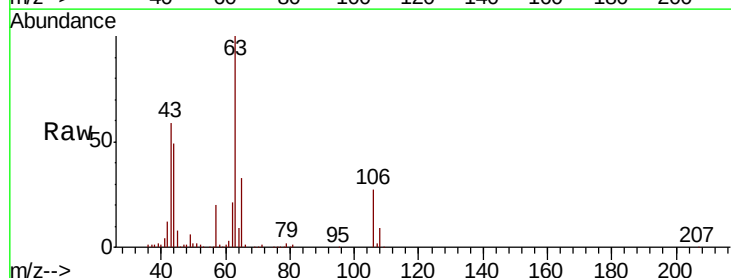
Acq: 29 Aug 2018 9:31

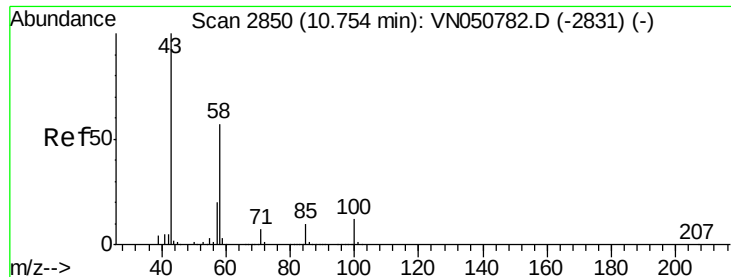
Tgt Ion: 63 Resp: 325073

Ion Ratio Lower Upper

63 100

106 27.4 21.9 32.9





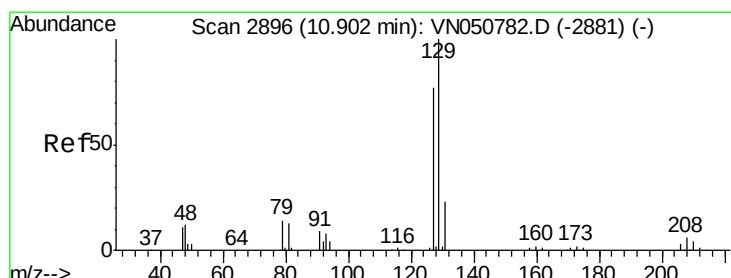
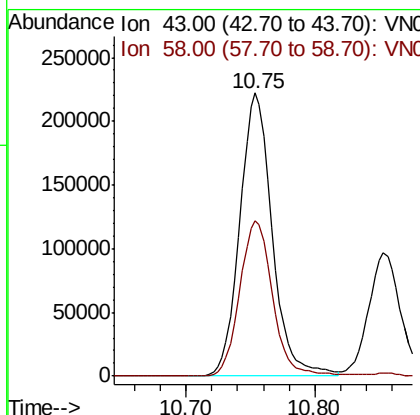
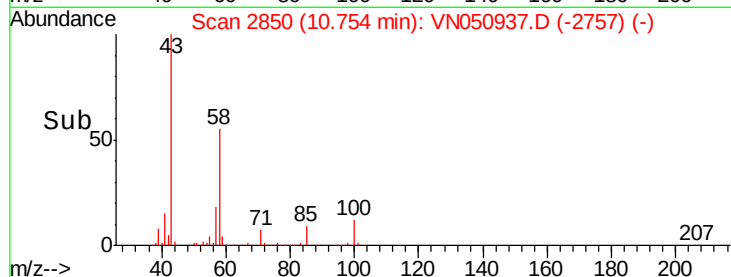
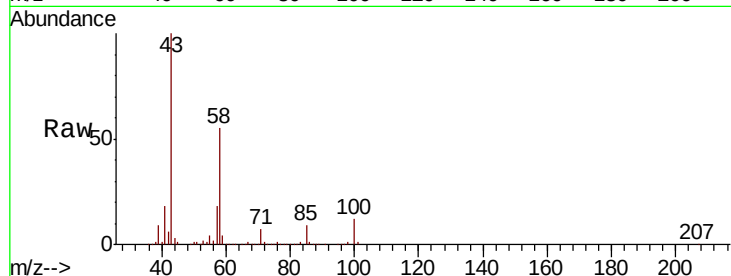
#59
2-Hexanone
Concen: 99.113 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBS01

Tot Ion	43	Resp	386790
Ion Ratio	100	Lower	Upper
43	100		
58	56.1	28.3	85.0

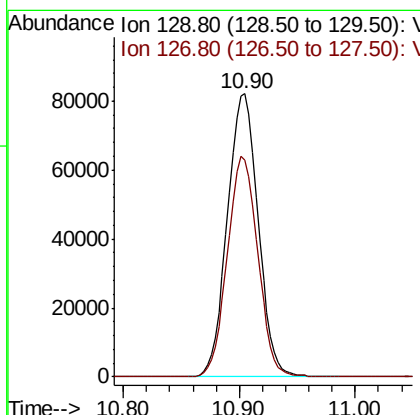
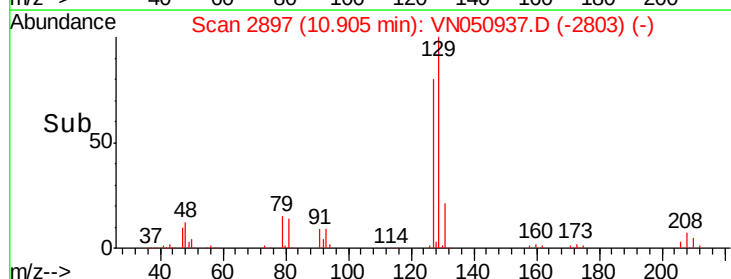
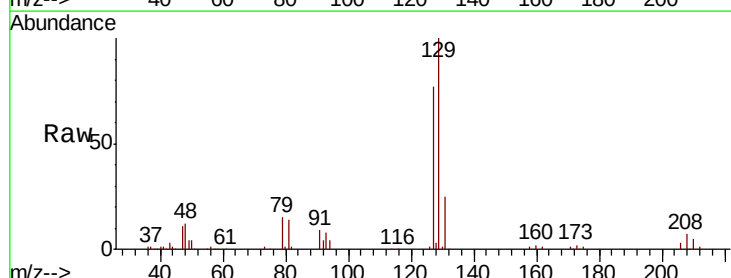
Manual Integrations
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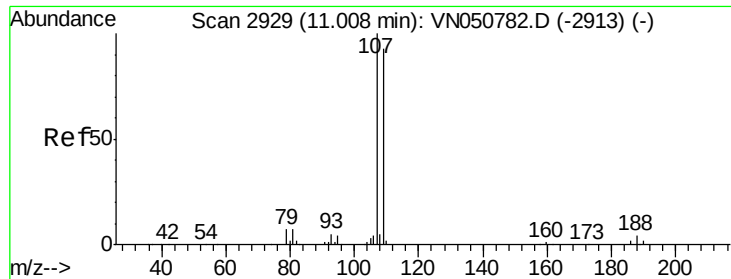
MMDadoda
8/30/2018 11:07:26 AM



#60
Dibromochloromethane
Concen: 20.441 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	129	Resp	150921
Ion Ratio	100	Lower	Upper
129	100		
127	77.0	38.3	114.9





#61

1,2-Dibromoethane

Concen: 20.501 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion: 107 Resp: 130726

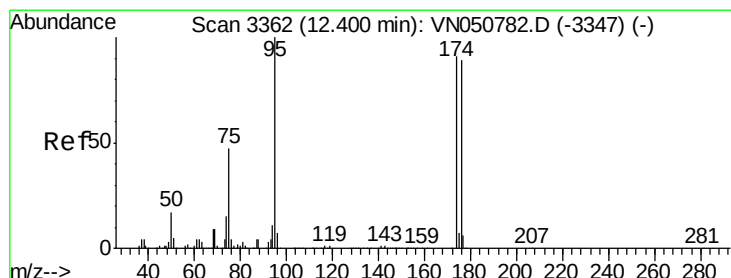
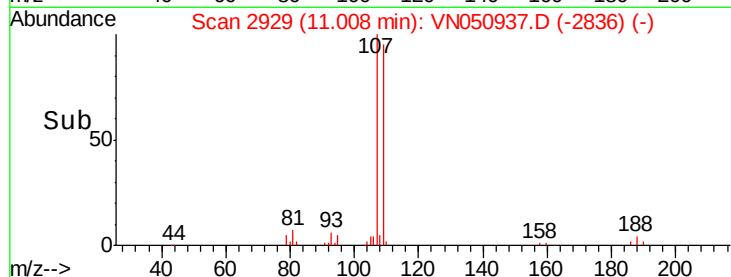
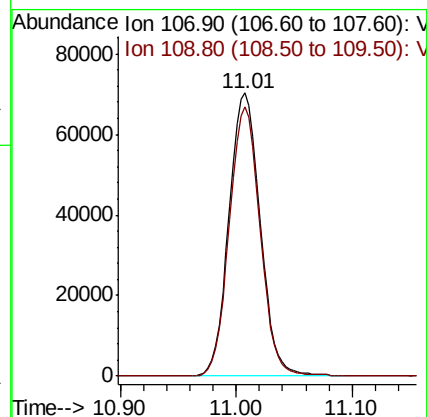
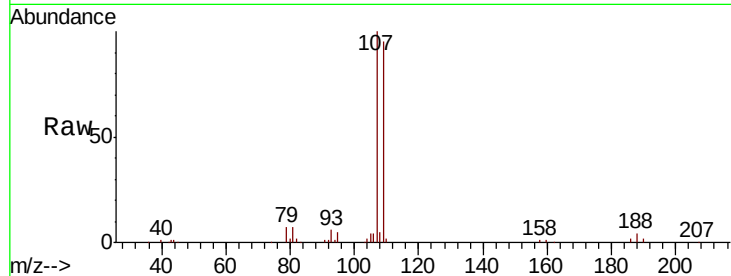
Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 48.688 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

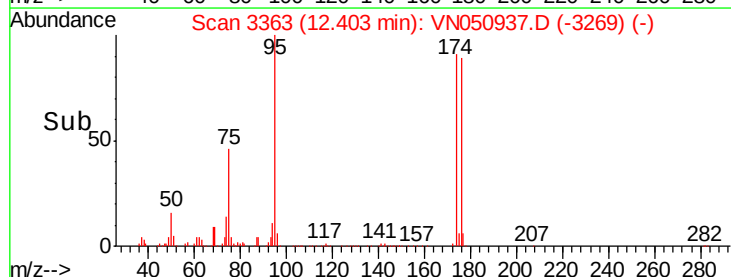
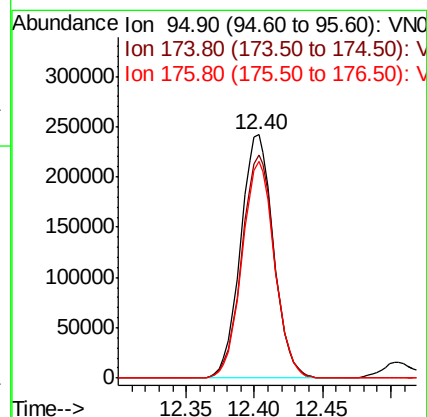
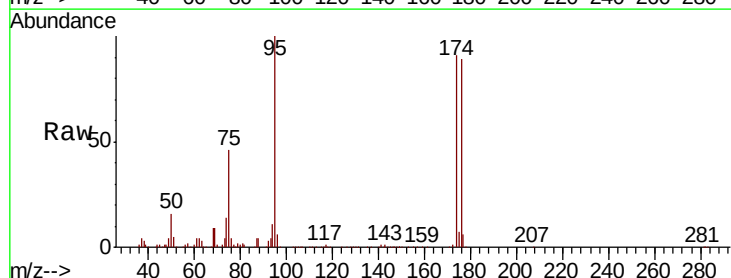
Tgt Ion: 95 Resp: 405608

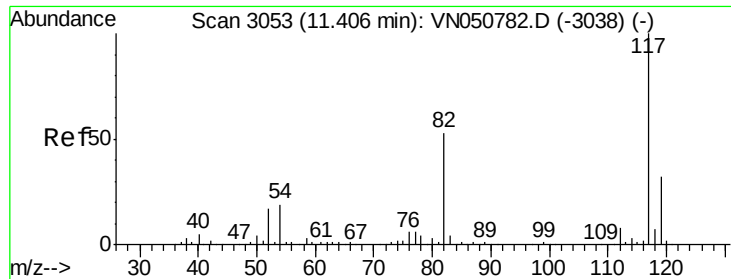
Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.0

176 87.9 0.0 178.8





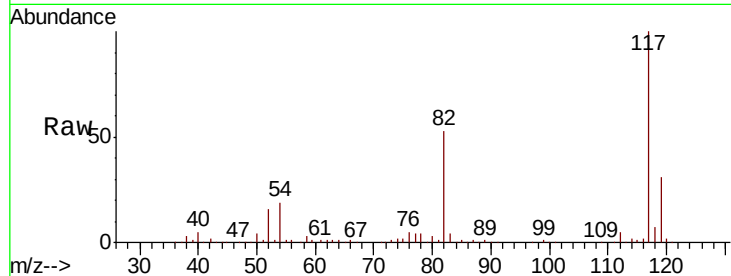
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampled :
VN0829MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	64.0
119	31.5	25.8	38.6

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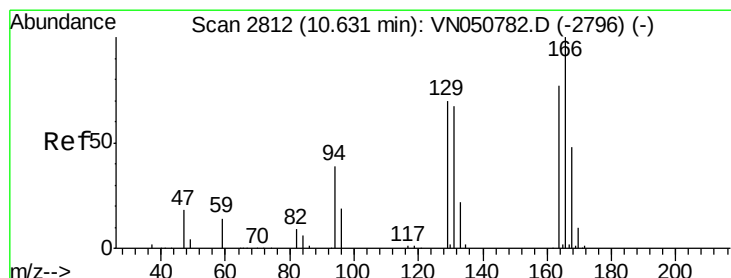
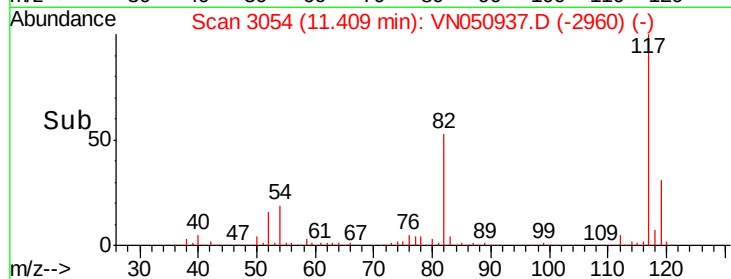
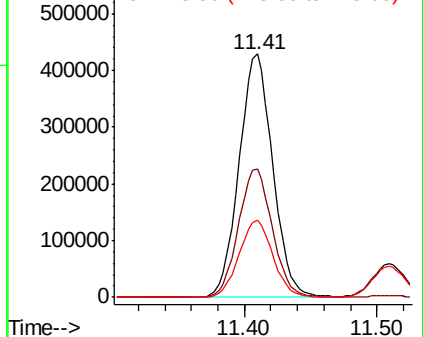


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.665 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.5	155.3
129	90.3	72.7	109.1
131	89.7	69.5	104.3

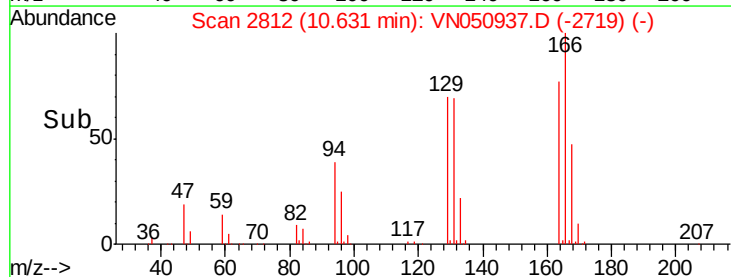
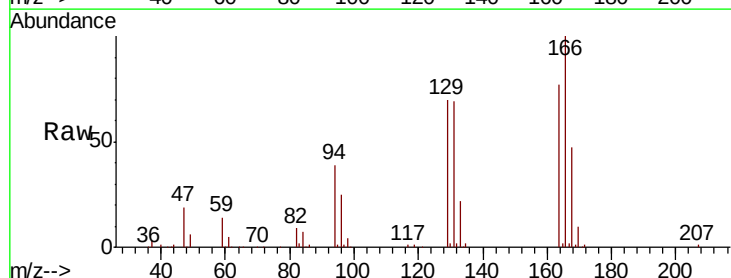
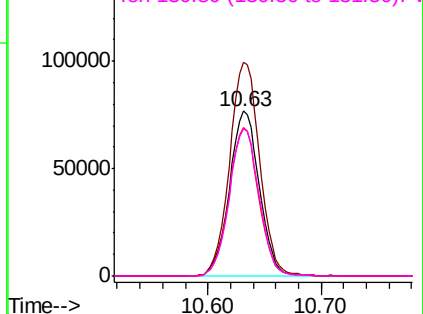
Abundance

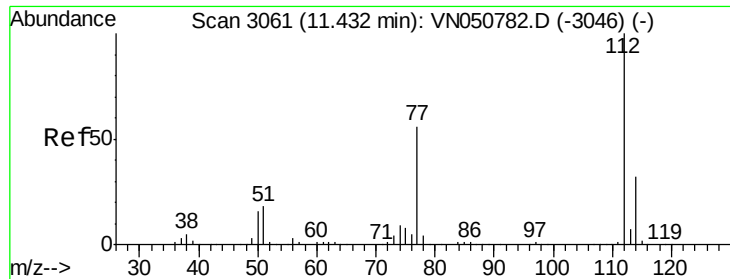
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





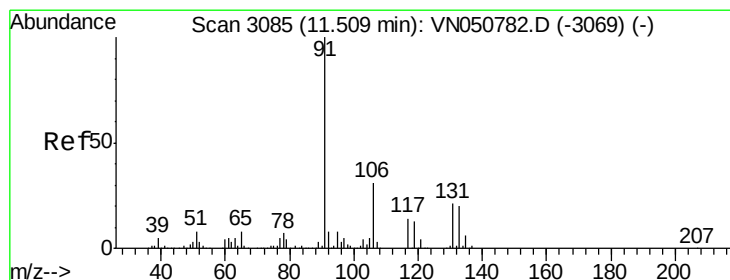
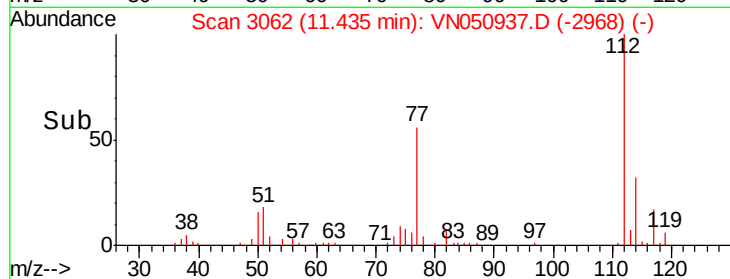
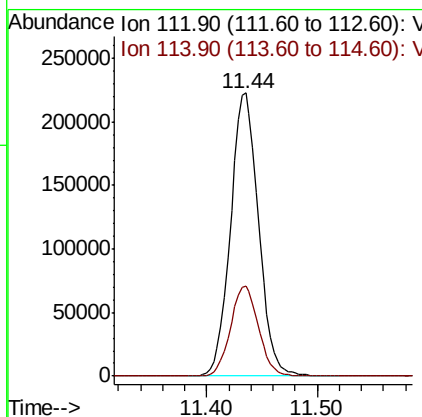
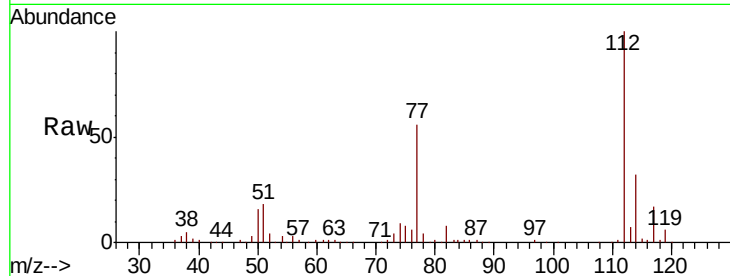
#65
Chlorobenzene
Concen: 19.830 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampled :
VN0829MBS01

Tot Ion:112 Resp: 392043
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4

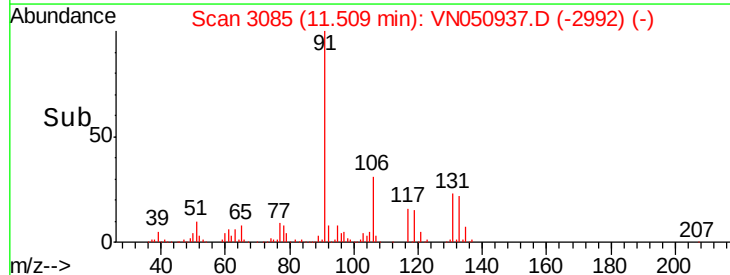
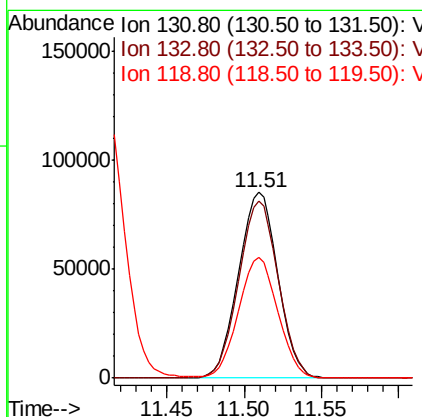
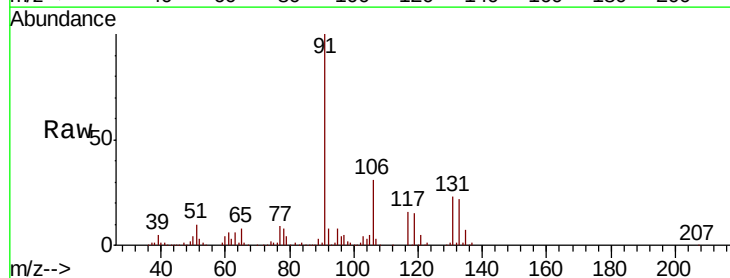
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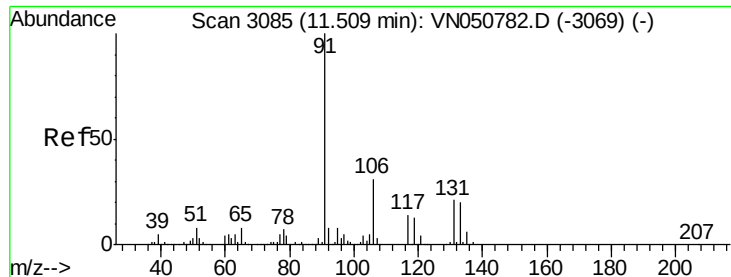
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.823 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion:131 Resp: 150624
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.3
119 64.9 32.8 98.4





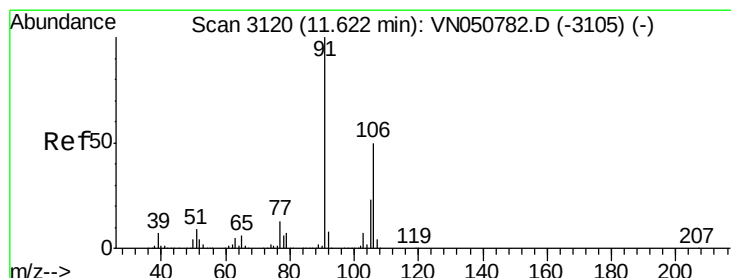
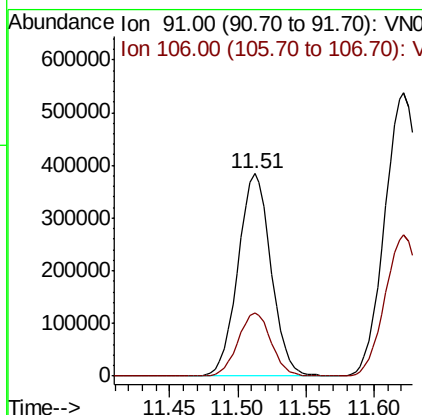
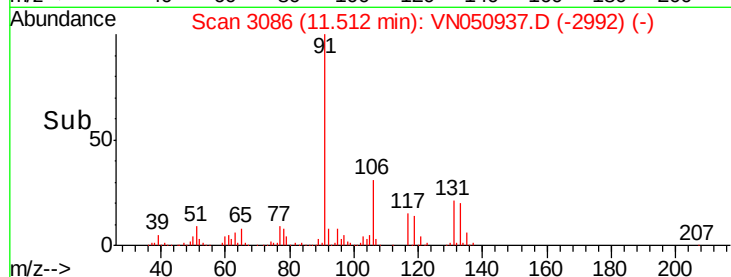
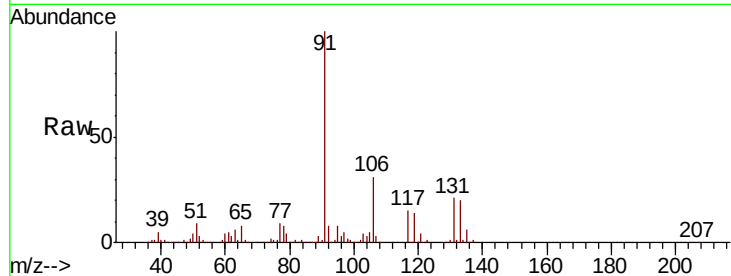
#67
Ethyl Benzene
Concen: 20.115 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampled :
VN0829MBS01

Tot Ion: 91 Resp: 646498
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

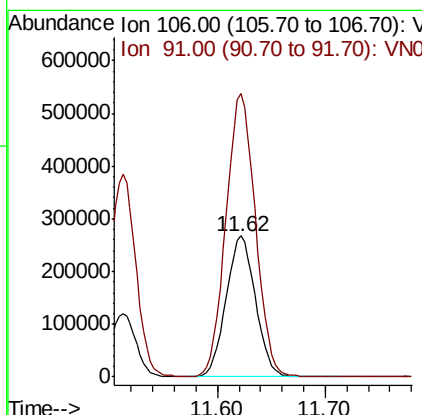
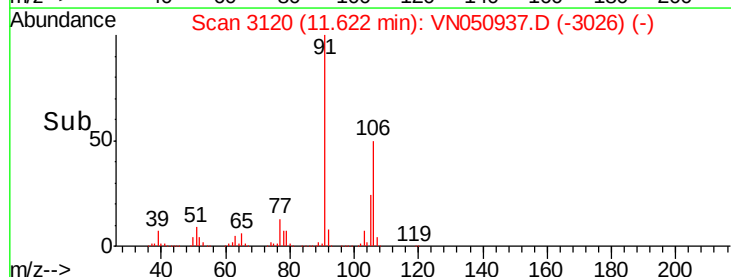
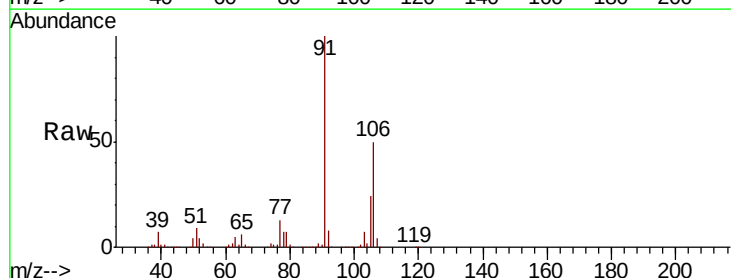
Manual Integrations
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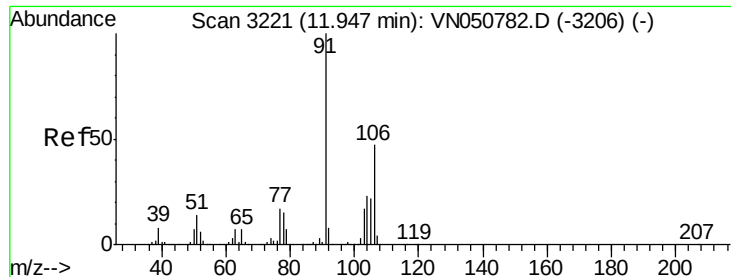
MMDadoda
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#68
m/p-Xylenes
Concen: 41.614 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion: 106 Resp: 507672
Ion Ratio Lower Upper
106 100
91 201.7 161.0 241.6





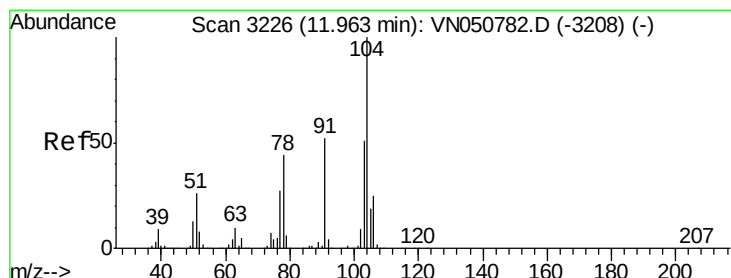
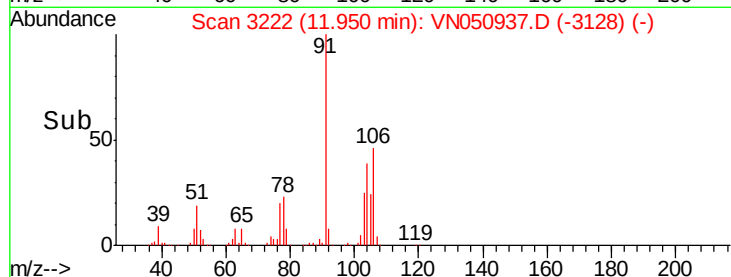
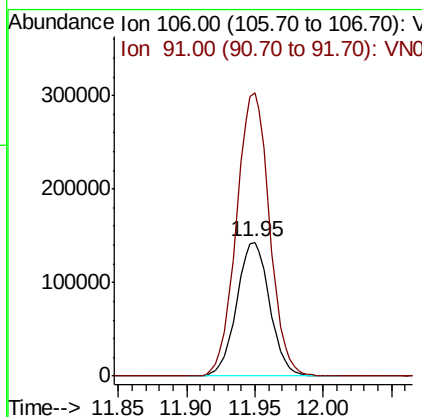
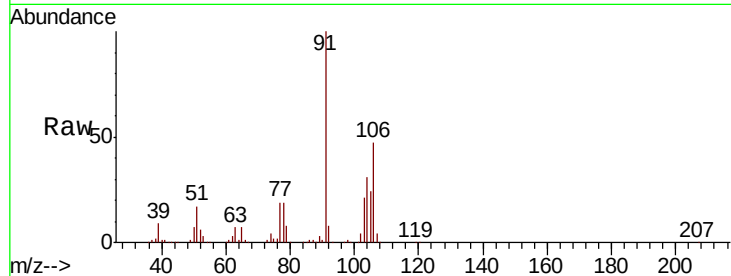
#69
o-Xylene
Concen: 20.442 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	239753		
91	212.5	106.5	319.5	

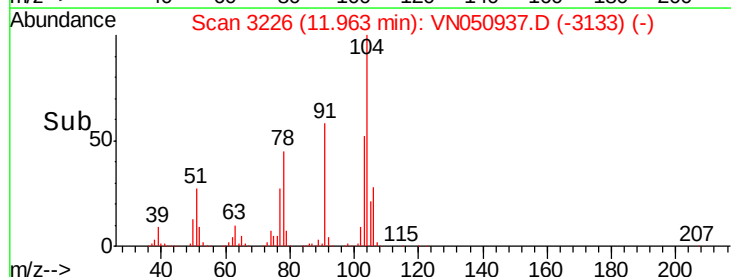
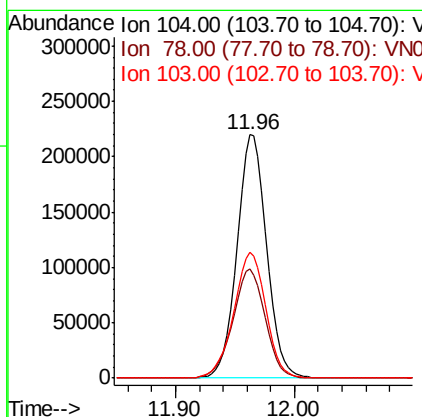
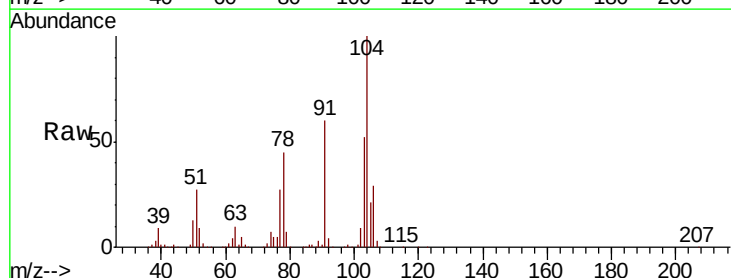
Manual Integrations
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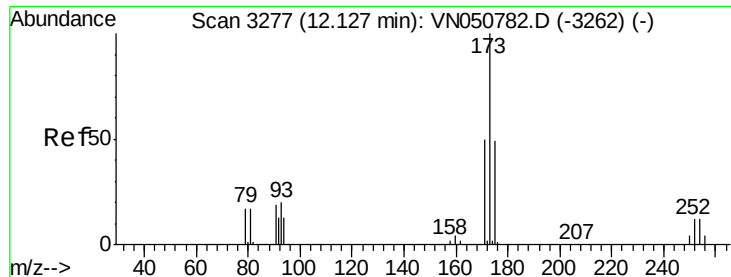
MMDadoda
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#70
Styrene
Concen: 19.127 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	378699		
78	48.8	38.2	57.4	
103	56.1	44.4	66.6	





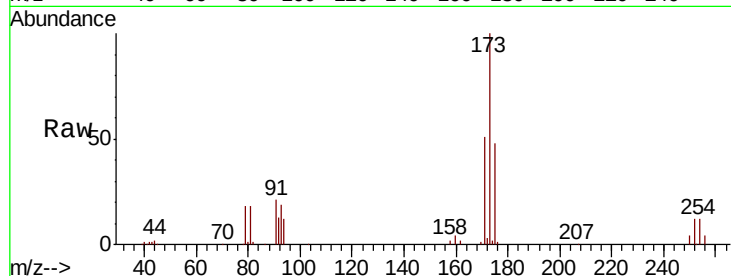
#71
Bromoform
Concen: 21.043 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.0	0.1	0.1#

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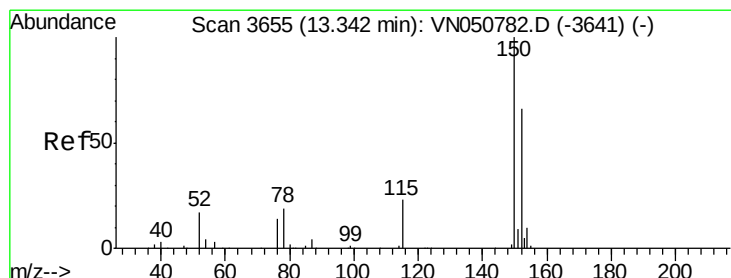
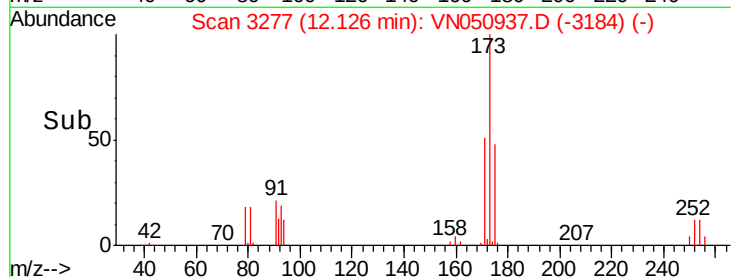
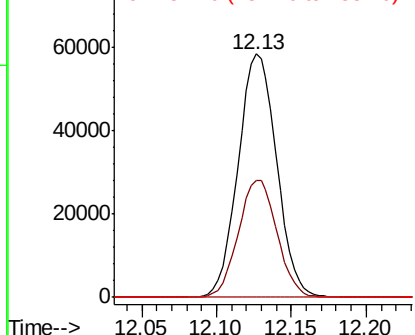


Abundance

Ion 172.70 (172.40 to 173.40): V

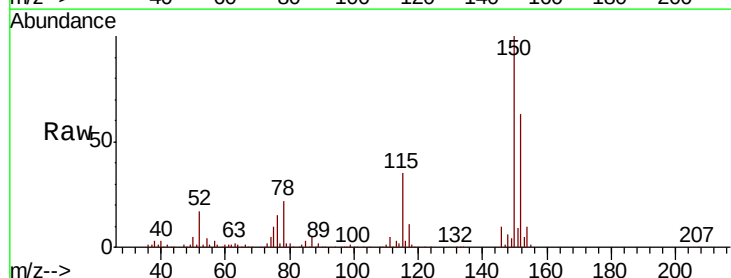
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050937.D
Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	165.3	0.0	351.4

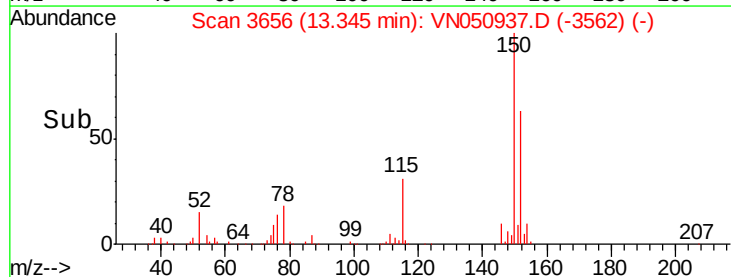
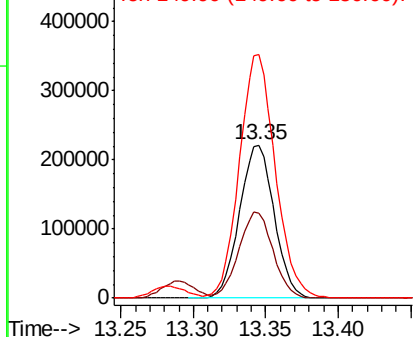


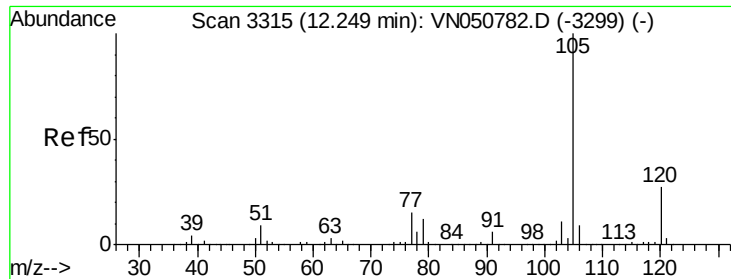
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.772 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion: 105 Resp: 631641

Ion Ratio Lower Upper

105 100

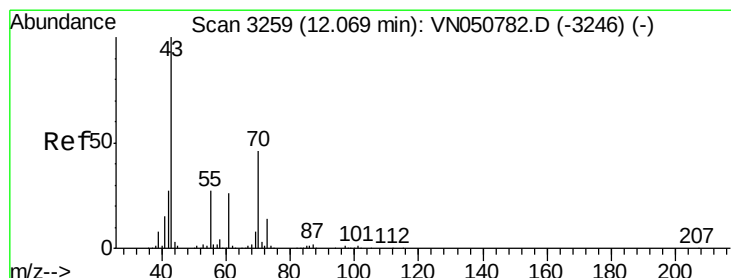
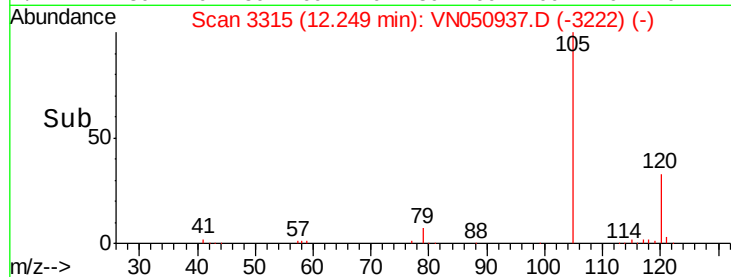
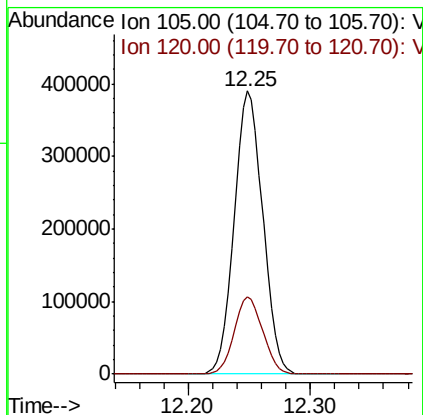
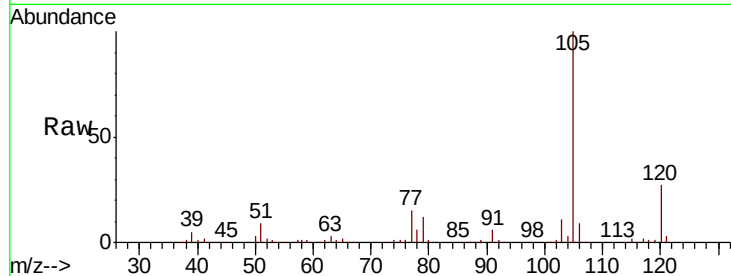
120 27.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.284 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion: 43 Resp: 154983

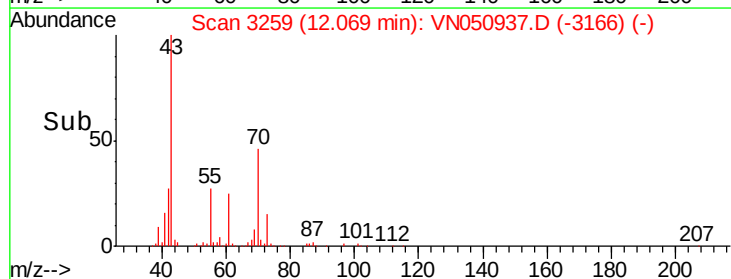
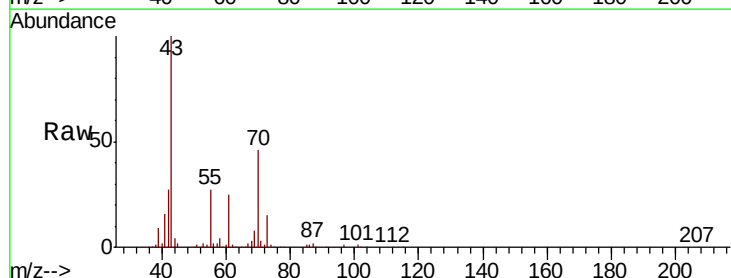
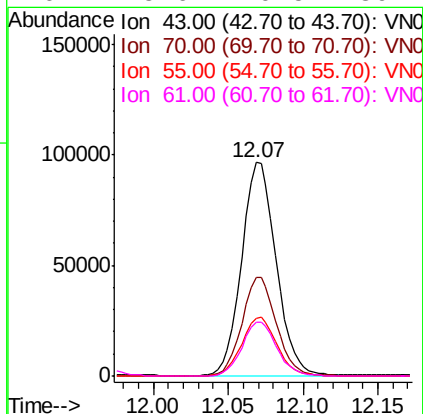
Ion Ratio Lower Upper

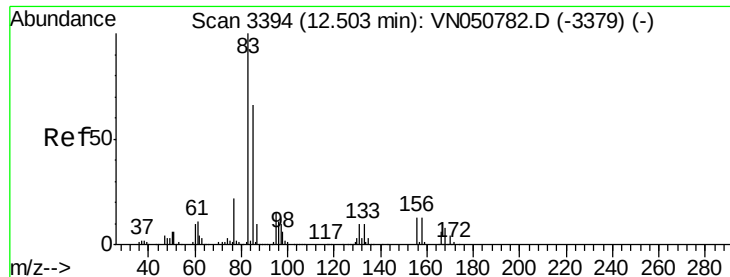
43 100

70 46.3 36.2 54.2

55 28.1 21.8 32.8

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.794 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

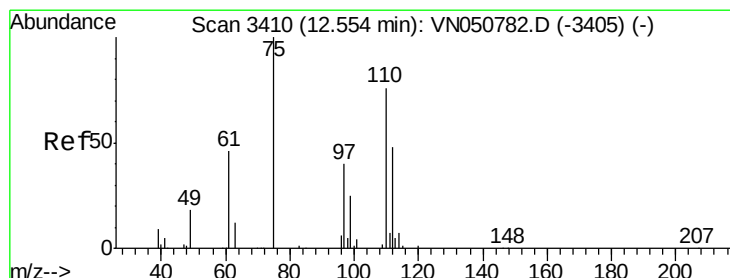
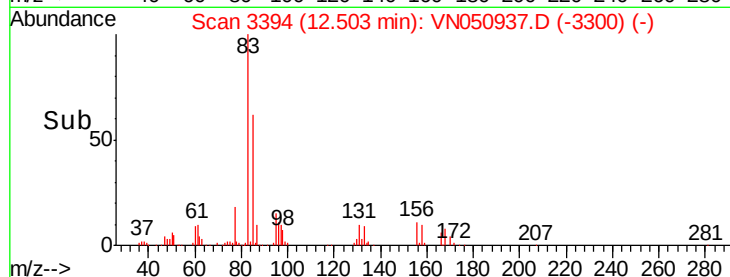
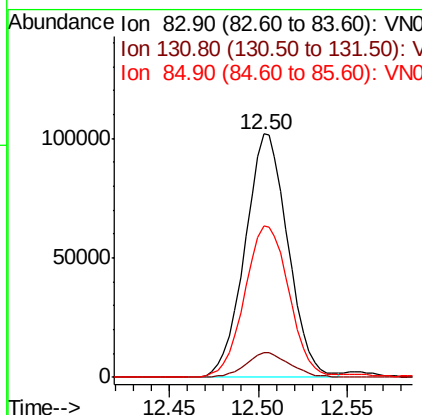
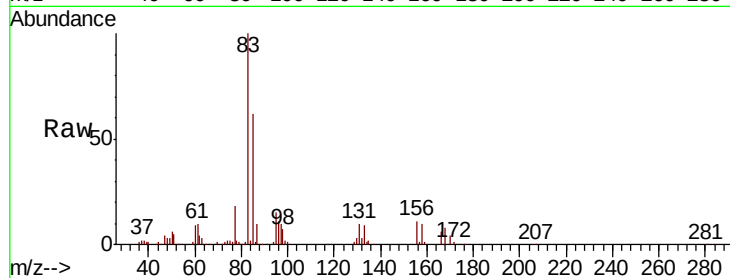
ClientSampled :

VN0829MBS01

Tot Ion:	83	Resp:	171707
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.966 ug/l m

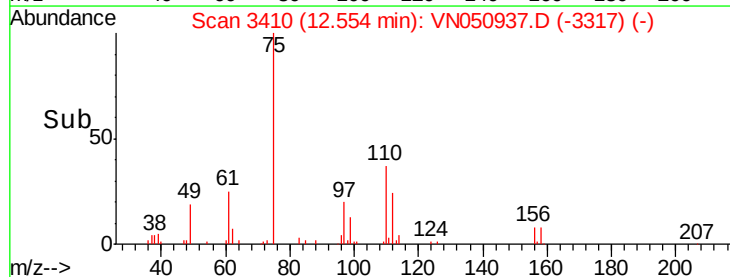
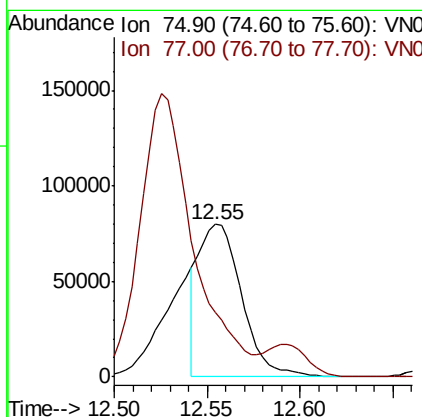
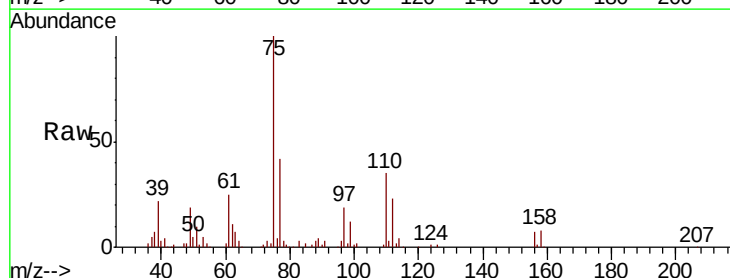
RT: 12.55 min Scan# 3410

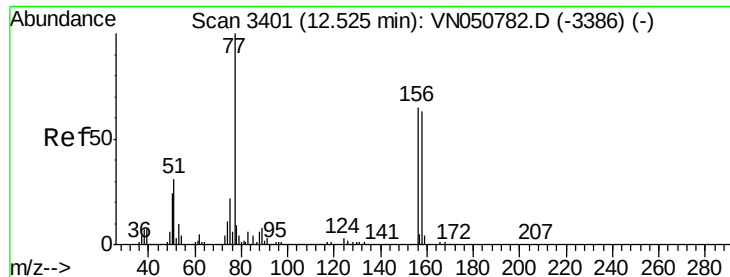
Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion:	75	Resp:	128427
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.280 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

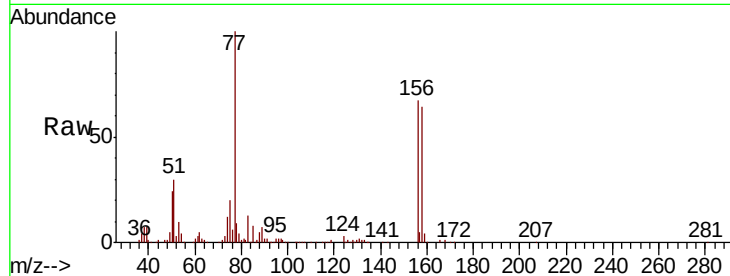
ClientSampleId :

VN0829MBS01

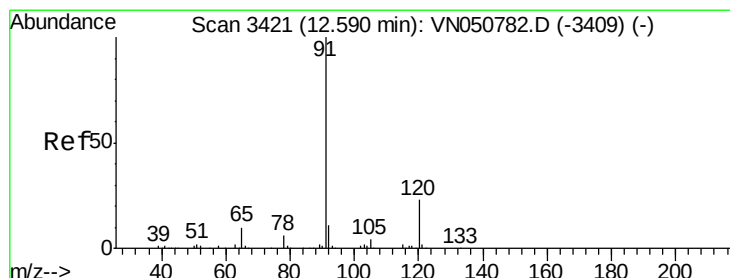
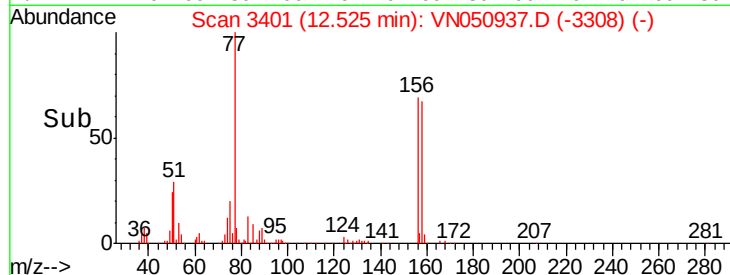
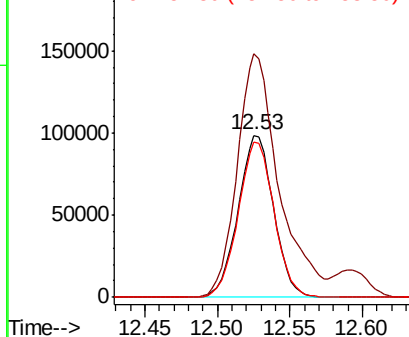
Tot Ion:	156	Resp:	167599
Ion Ratio	Lower	Upper	
156	100		
77	177.8	89.9	269.7
158	97.0	49.3	147.9

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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



#78

n-propylbenzene

Concen: 21.024 ug/l

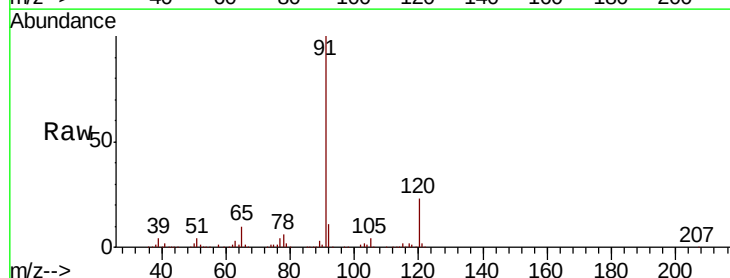
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

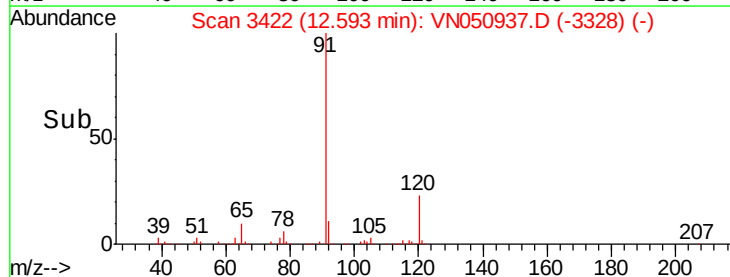
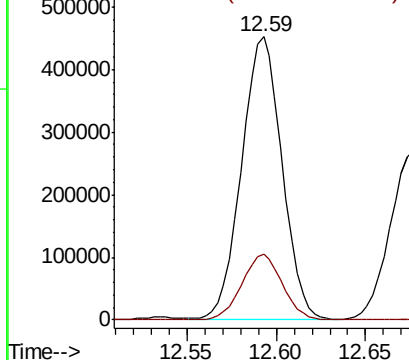
Lab File: VN050937.D

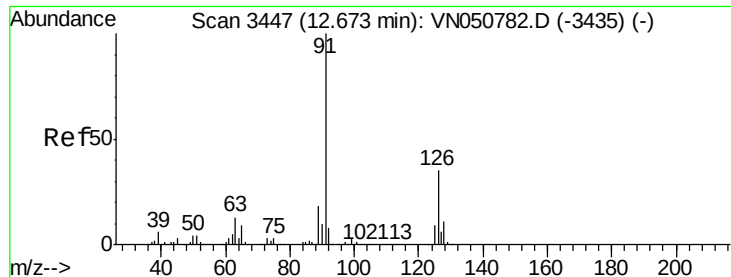
Acq: 29 Aug 2018 9:31

Tgt Ion:	91	Resp:	714196
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.711 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion: 91 Resp: 438238

Ion Ratio Lower Upper

91 100

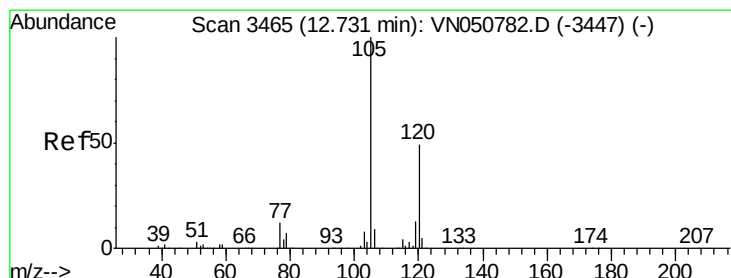
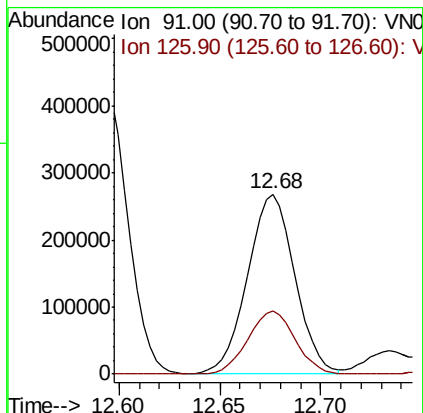
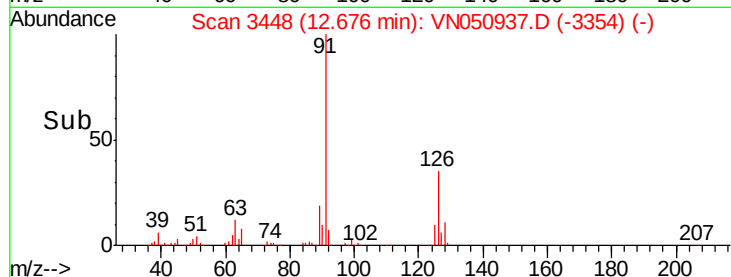
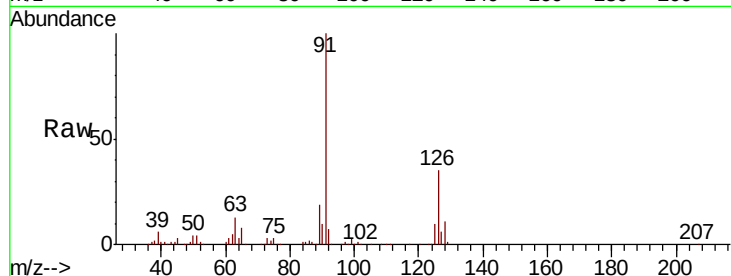
126 35.4 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.514 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050937.D

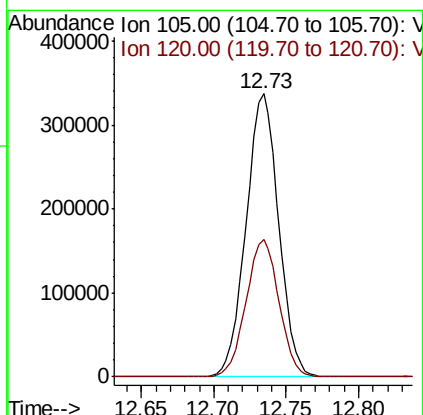
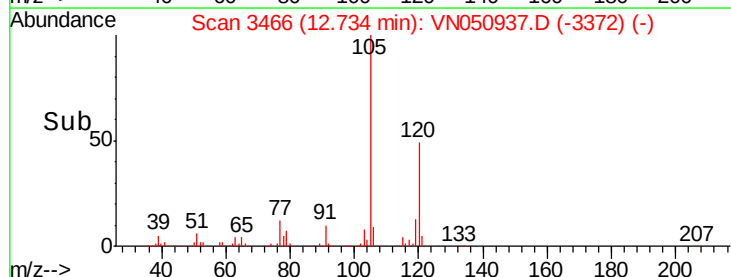
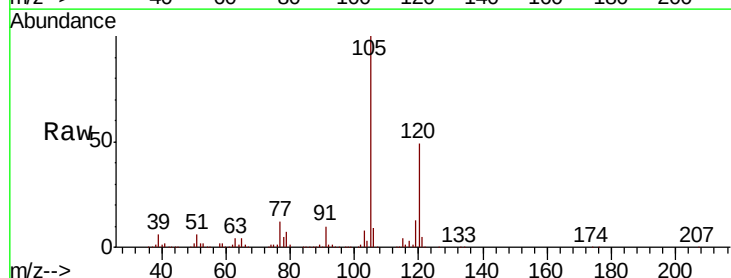
Acq: 29 Aug 2018 9:31

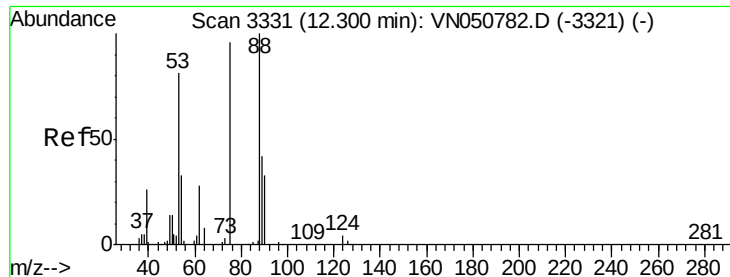
Tgt Ion: 105 Resp: 527894

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.651 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

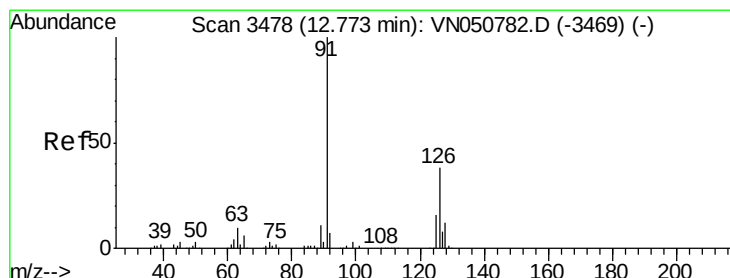
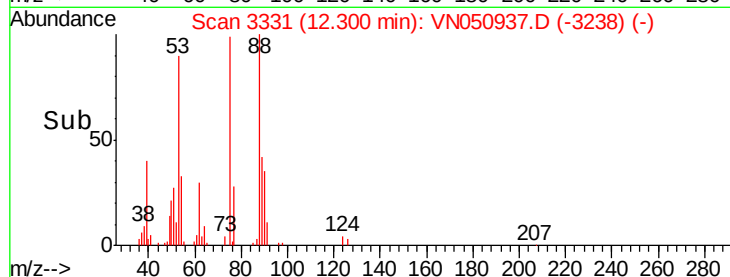
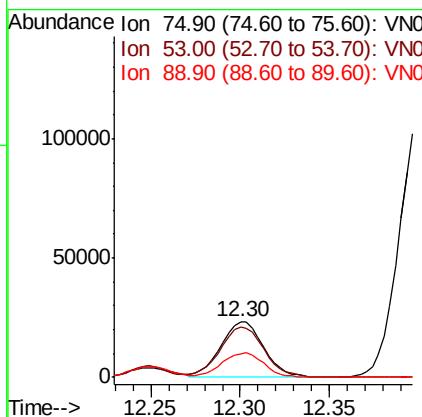
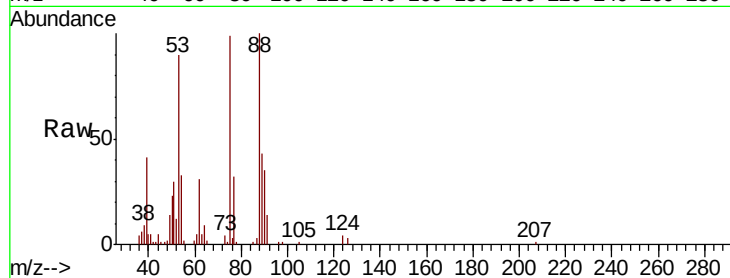
ClientSampled :

VN0829MBS01

Tot Ion:	75	Resp:	39294
Ion Ratio	Lower	Upper	
75	100		
53	92.7	68.9	103.3
89	43.6	36.1	54.1

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#82

4-Chlorotoluene

Concen: 20.752 ug/l

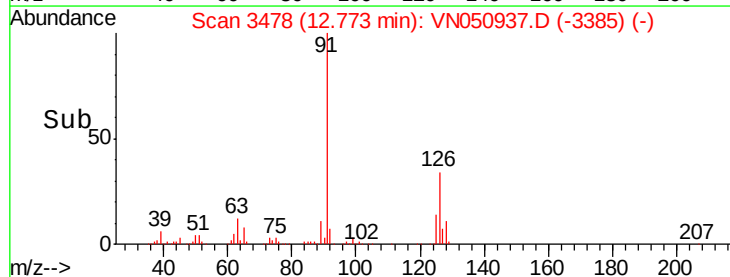
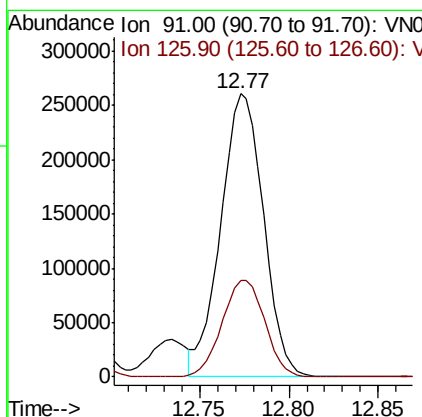
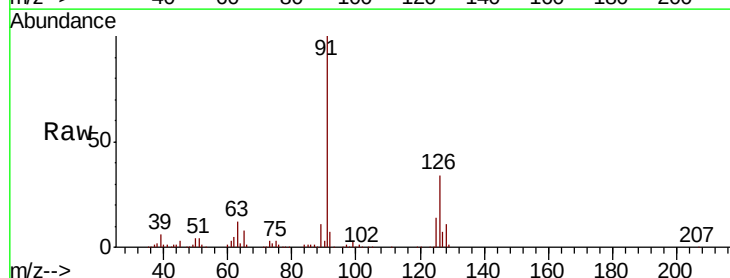
RT: 12.77 min Scan# 3478

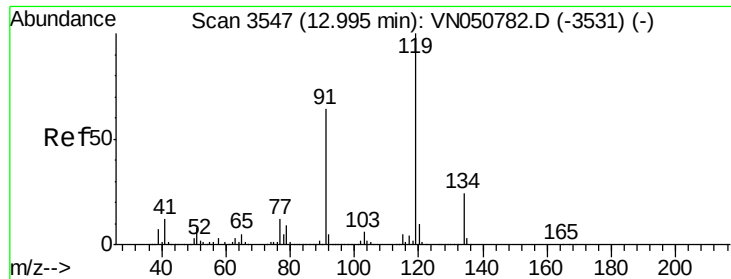
Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion:	91	Resp:	433492
Ion Ratio	Lower	Upper	
91	100		
126	34.3	17.5	52.5





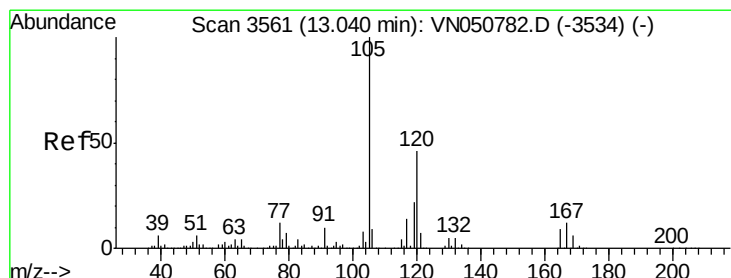
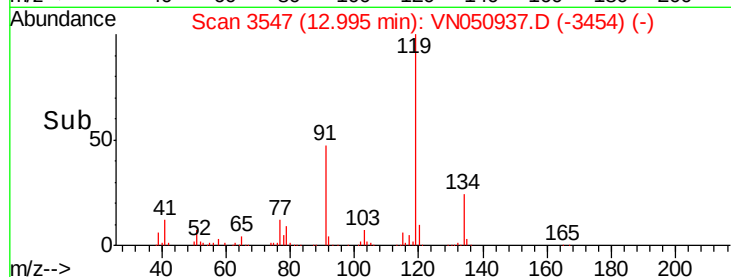
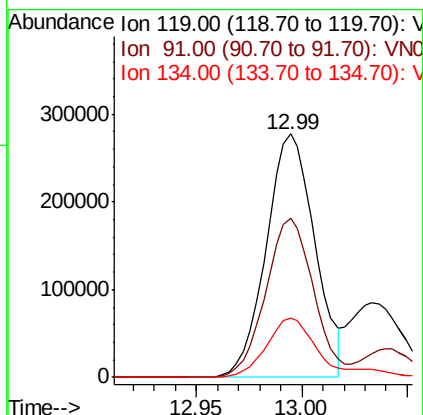
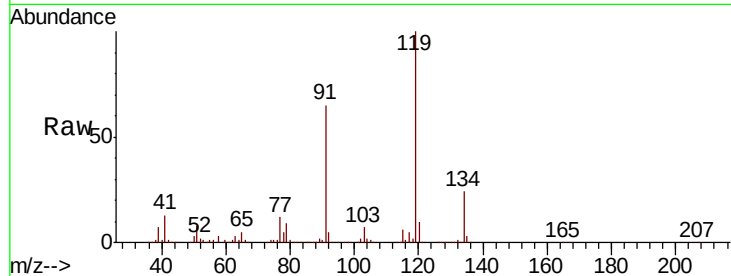
#83
 tert-Butylbenzene
 Concen: 20.945 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	445086		
91	64.6		31.6	94.7
134	24.5		13.4	40.1

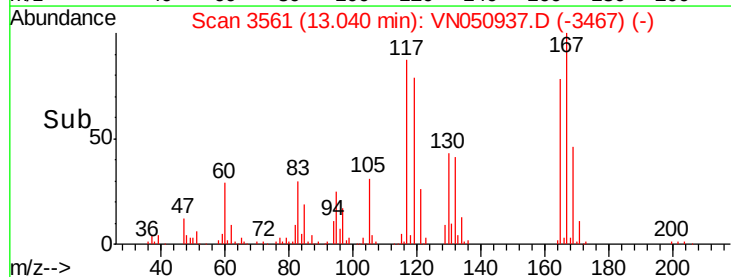
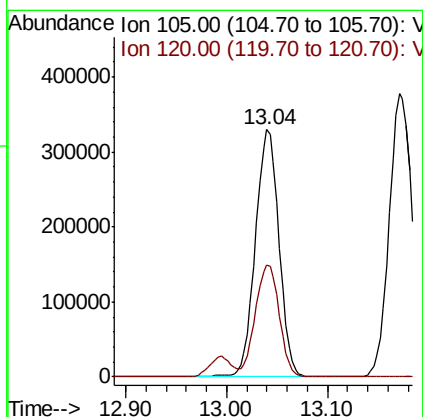
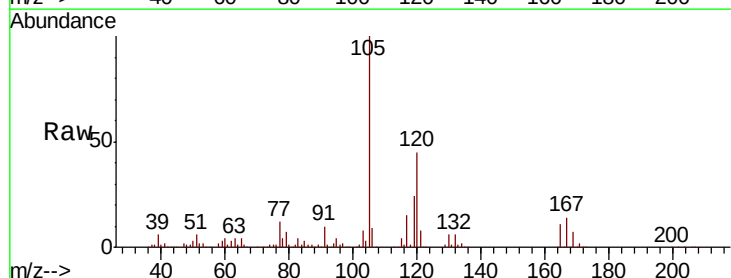
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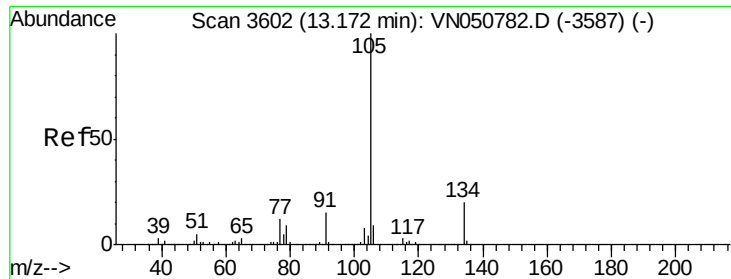
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.615 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	533481		
120	46.2		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.540 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

ClientSampleId :

VN0829MBS01

Tot Ion:105 Resp: 599778

Ion Ratio Lower Upper

105 100

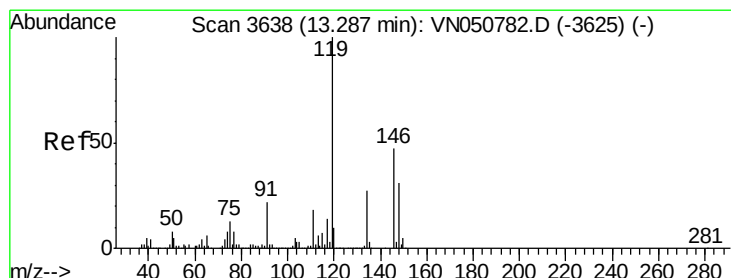
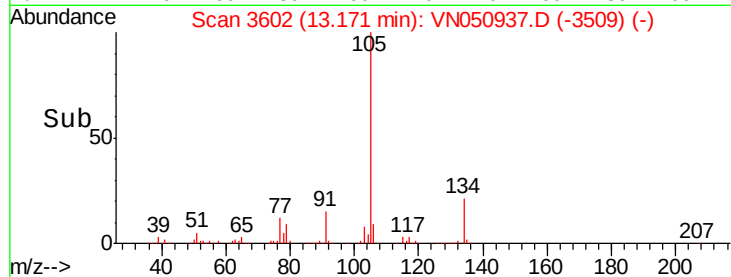
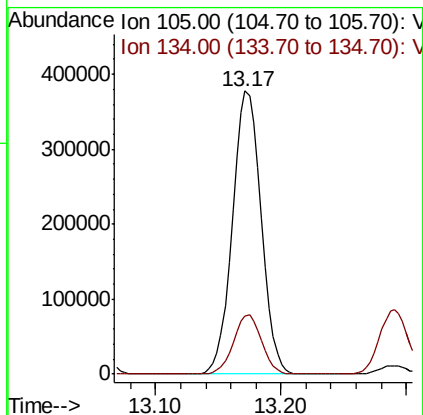
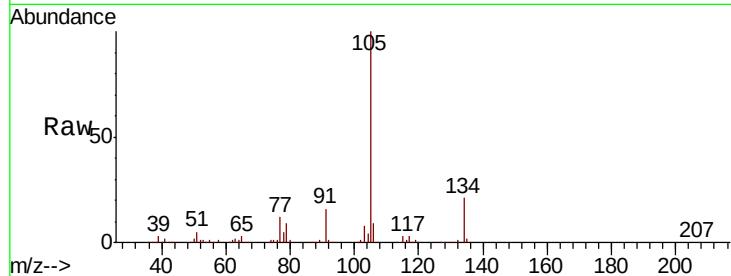
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.205 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

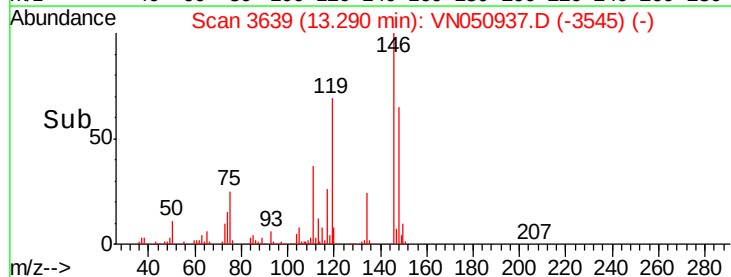
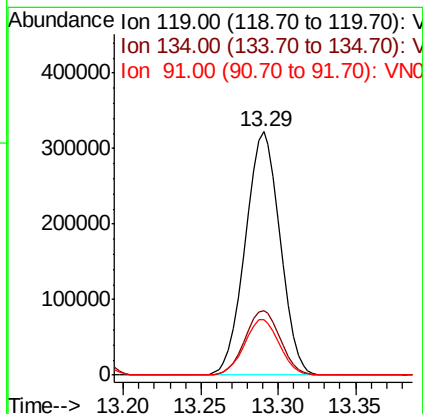
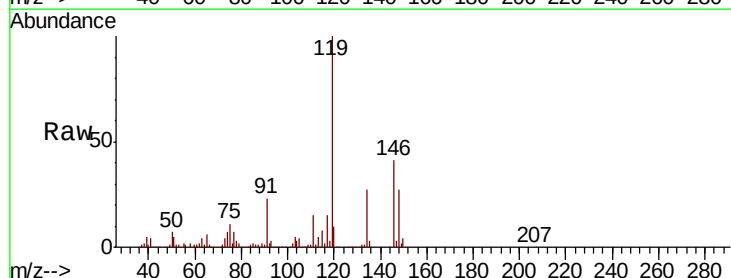
Tgt Ion:119 Resp: 503127

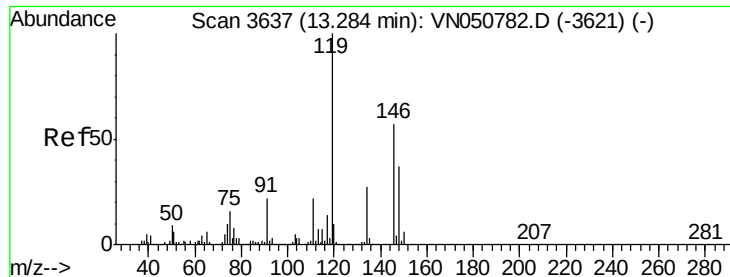
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

91 22.9 11.2 33.5





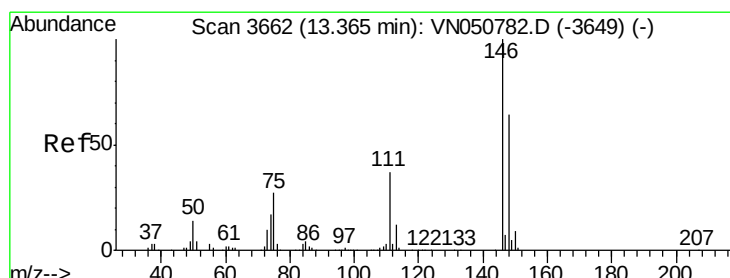
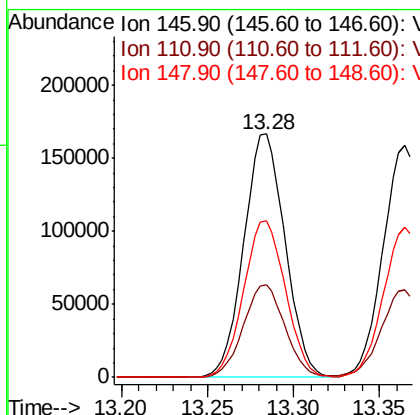
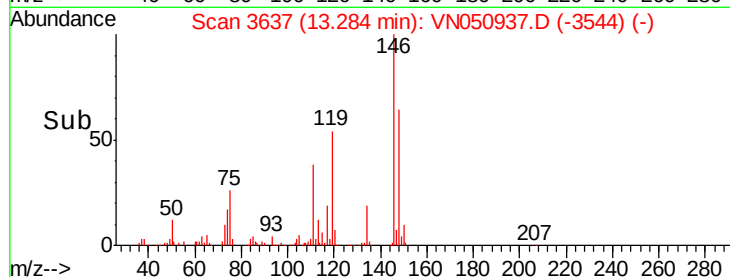
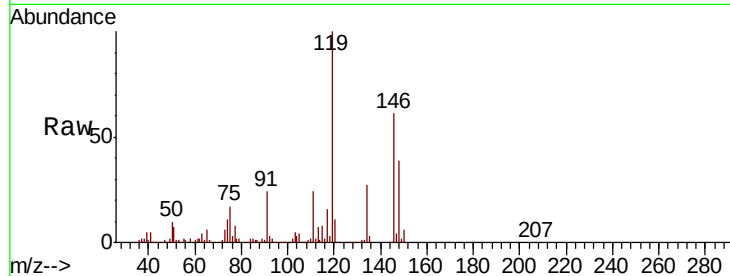
#87
 1,3-Dichlorobenzene
 Concen: 19.802 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	277711		
111	38.2	19.1	57.3	
148	65.0	32.2	96.6	

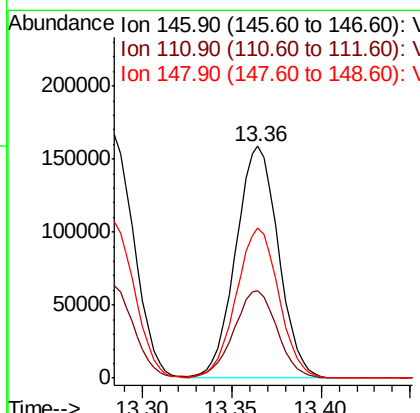
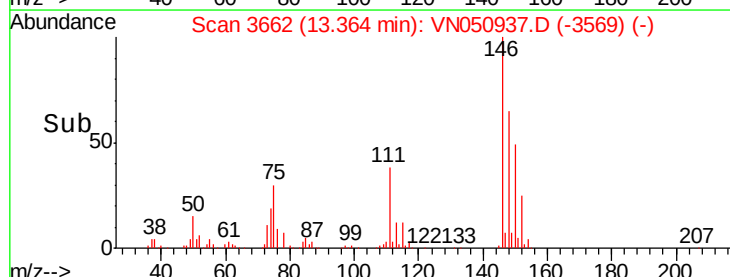
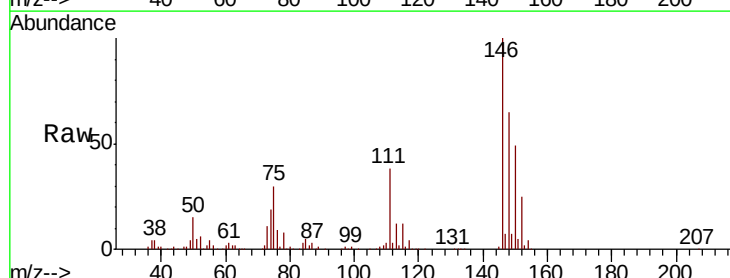
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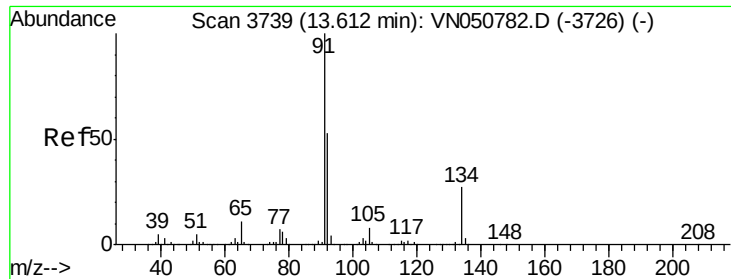
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#88
 1,4-Dichlorobenzene
 Concen: 19.172 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264627		
111	38.6	18.8	56.3	
148	64.7	32.2	96.6	





#89

n-Butylbenzene

Concen: 19.878 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

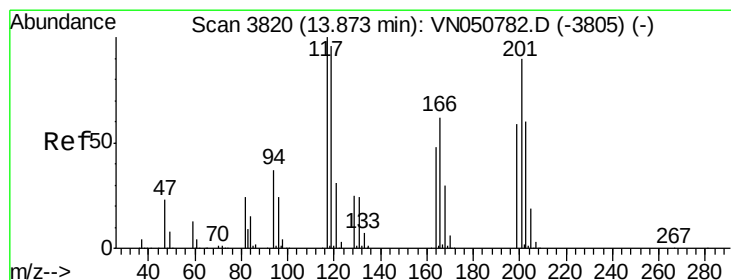
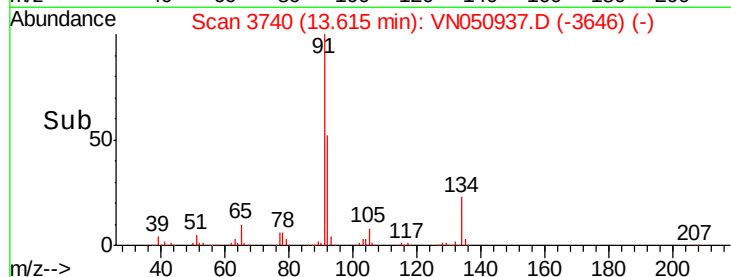
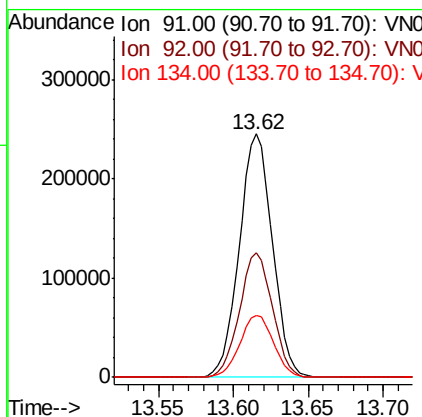
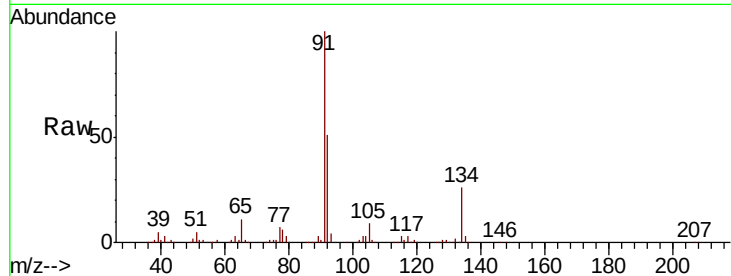
ClientSampleId :

VN0829MBS01

Tot Ion:	91	Resp:	377213
Ion Ratio	Lower	Upper	
91	100		
92	51.0	26.1	78.2
134	25.9	13.2	39.6

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#90

Hexachloroethane

Concen: 21.588 ug/l

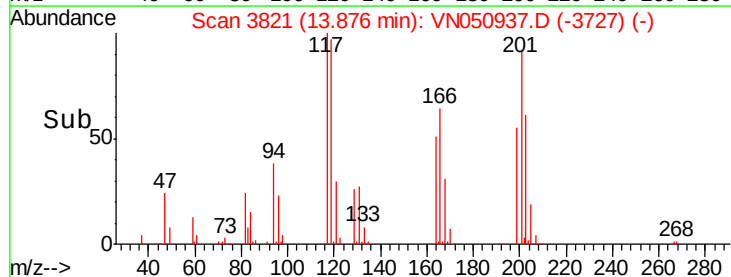
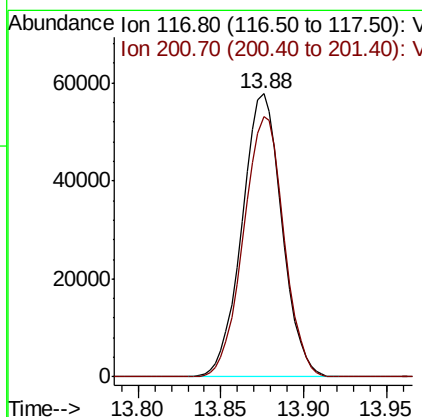
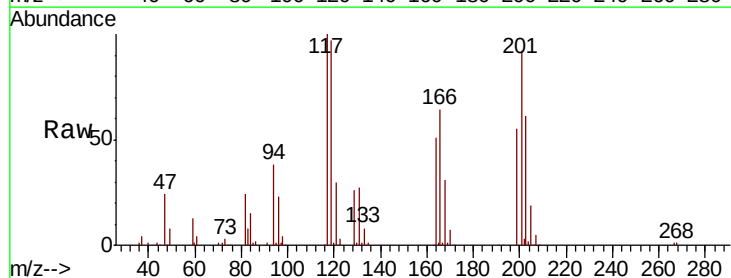
RT: 13.88 min Scan# 3821

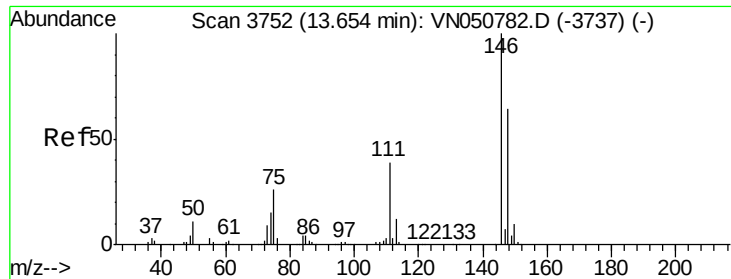
Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion:	117	Resp:	97144
Ion Ratio	Lower	Upper	
117	100		
201	92.7	46.0	137.8





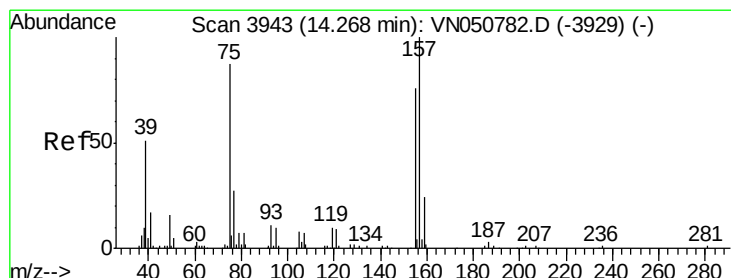
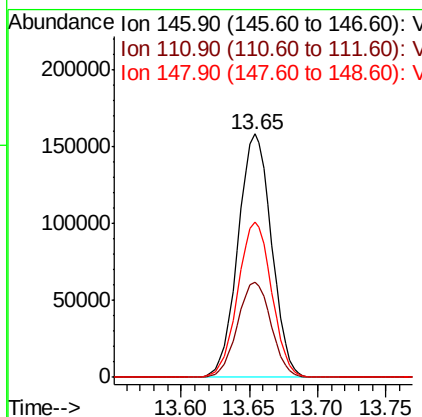
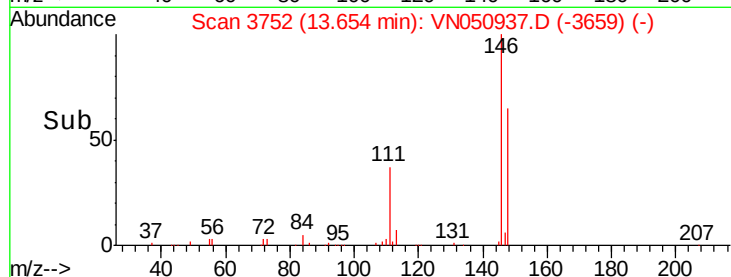
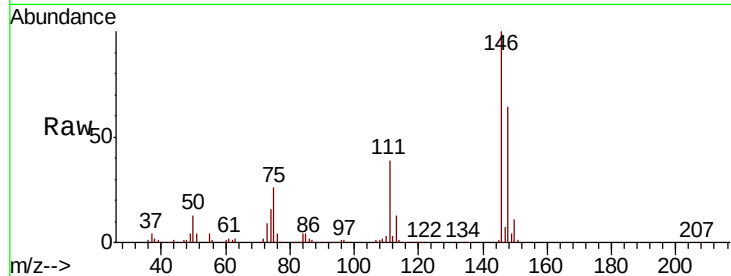
#91
 1,2-Dichlorobenzene
 Concen: 19.961 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.2	32.3	96.8

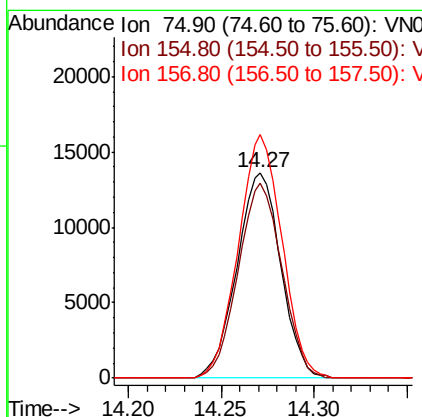
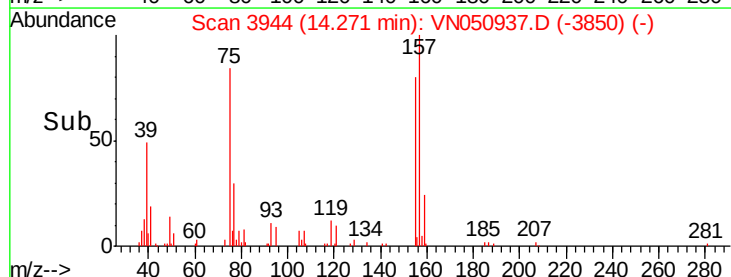
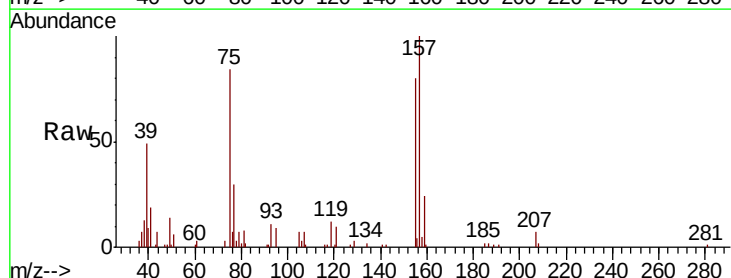
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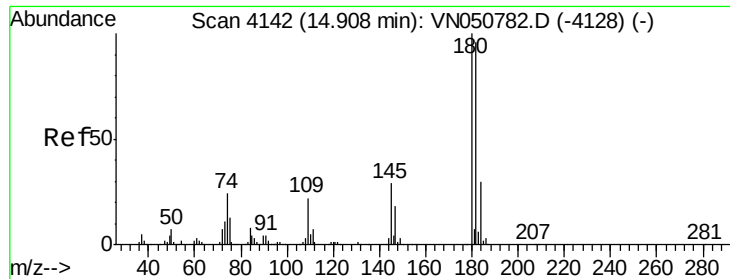
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.574 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	46.4	139.1
157	117.5	60.7	182.0





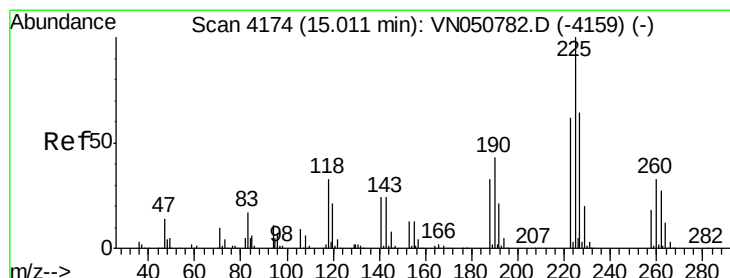
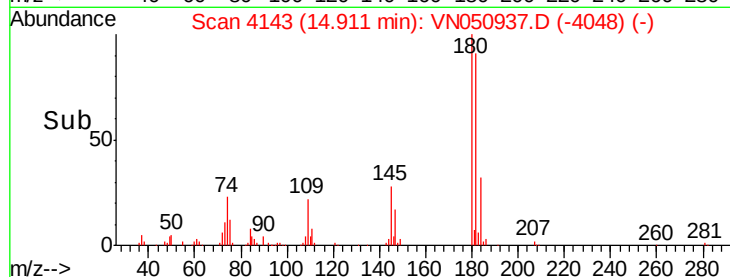
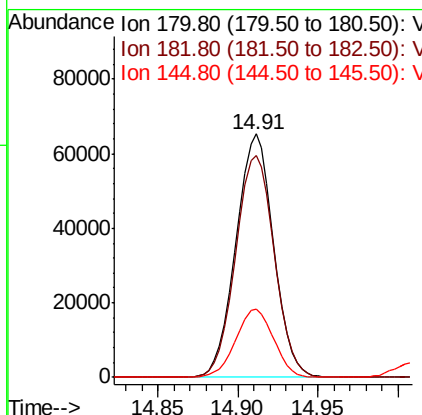
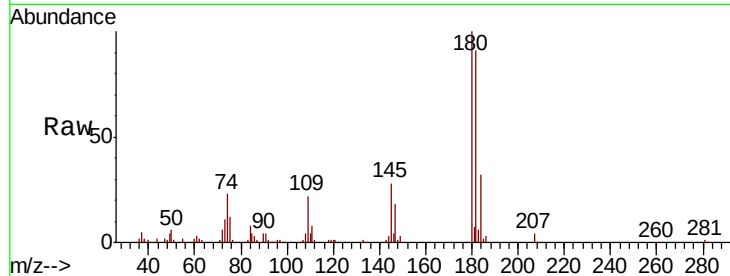
#93
 1,2,4-Trichlorobenzene
 Concen: 17.687 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104270		
182	94.0	48.2	144.6	
145	28.2	14.1	42.2	

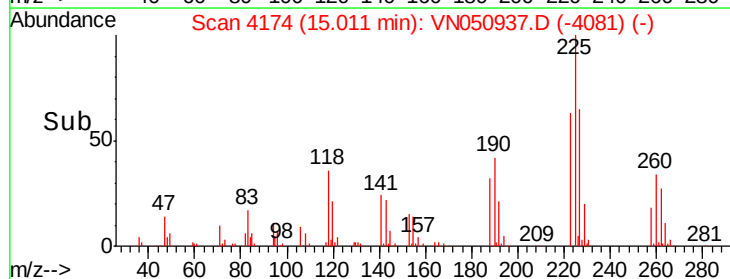
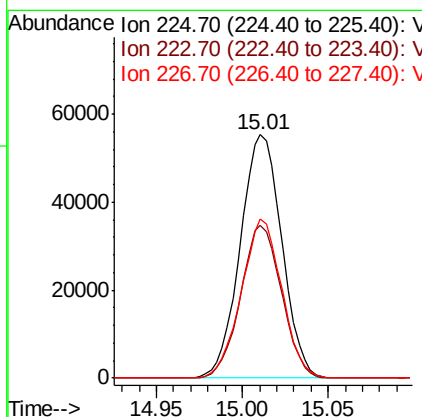
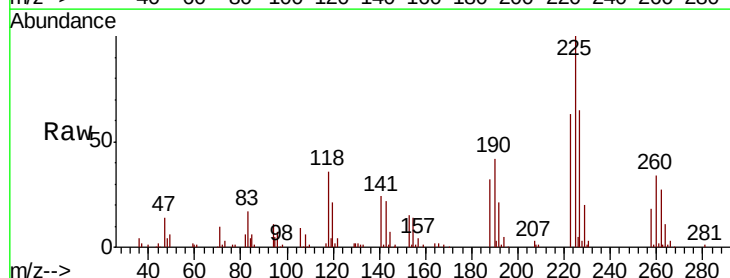
Manual Integrations
 APPROVED

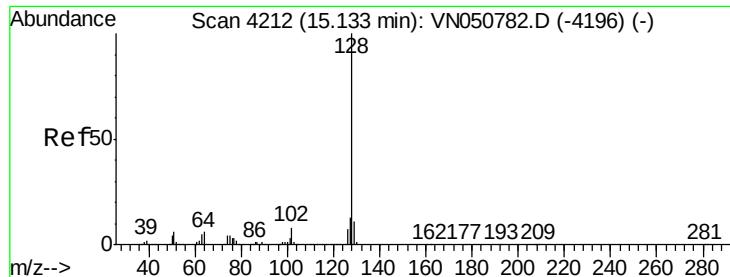
MMDadoda
 8/30/2018 11:07:26 AM



#94
 Hexachlorobutadiene
 Concen: 22.473 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050937.D
 Acq: 29 Aug 2018 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92608		
223	61.7	31.3	93.8	
227	63.6	32.0	96.2	





#95

Naphthalene

Concen: 16.997 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Instrument :

MSVOA_N

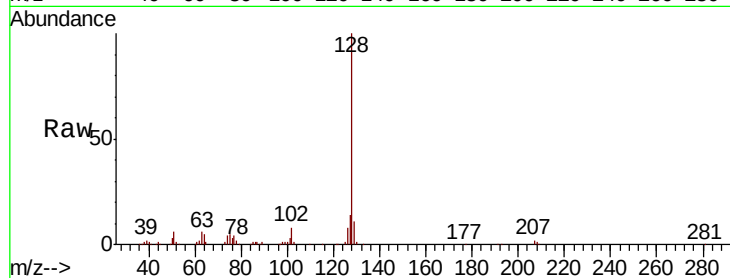
ClientSampleId :

VN0829MBS01

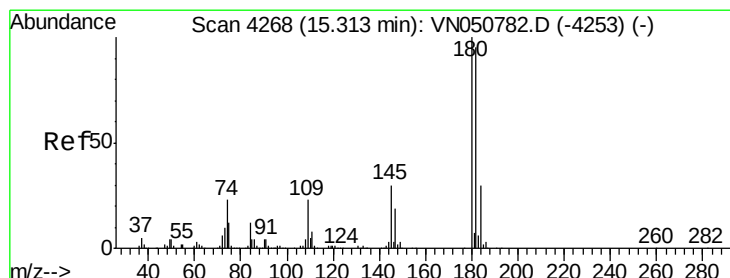
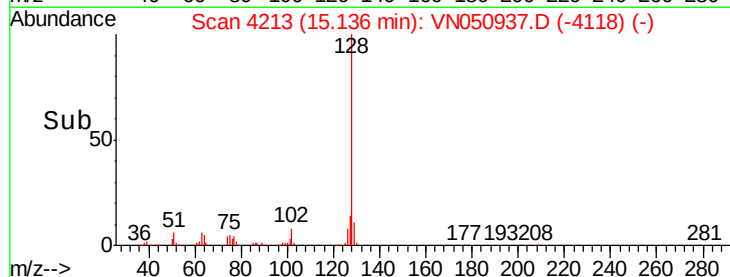
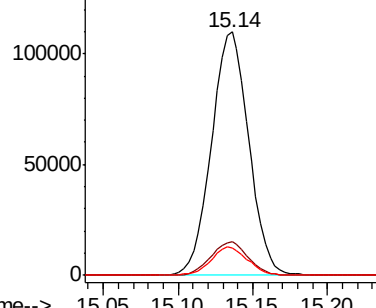
Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		190773		
127	13.8	10.5	15.7		
129	11.3	8.7	13.1		

Manual Integrations
APPROVED

MMDadoda
8/30/2018 11:07:26 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 18.864 ug/l

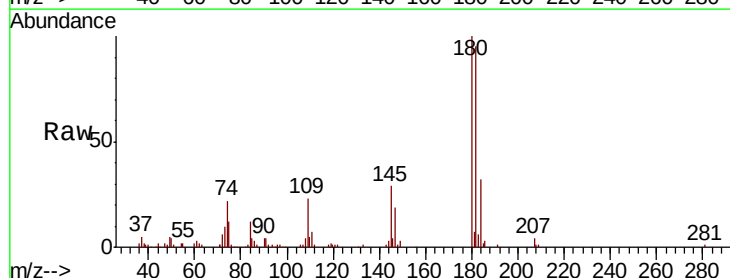
RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050937.D

Acq: 29 Aug 2018 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		109968		
182	94.9	48.0	144.2		
145	29.1	15.2	45.6		



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

