

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082918\
 Data File : VN050943.D
 Acq On : 29 Aug 2018 12:00
 Operator : MD\SY
 Sample : VN0829WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 11:07:47 AM

Quant Time: Aug 29 14:54:48 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	602652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	881699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	373259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	368589	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	7.59	113	345331	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	10.09	98	1303763	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	413109	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	155048	19.225	ug/l	99
3) Chloromethane	2.06	50	178641	17.958	ug/l	100
4) Vinyl Chloride	2.18	62	176723	18.754	ug/l	100
5) Bromomethane	2.56	94	100508	18.084	ug/l	97
6) Chloroethane	2.70	64	100213	18.406	ug/l	99
7) Trichlorofluoromethane	3.01	101	231157	19.157	ug/l	99
8) Diethyl Ether	3.41	74	83536	20.360	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140836	18.682	ug/l	98
10) Methyl Iodide	3.95	142	112077	21.133	ug/l	100
11) Tert butyl alcohol	4.80	59	59234	128.214	ug/l	100
12) 1,1-Dichloroethene	3.73	96	130620	19.298	ug/l	99
13) Acrolein	3.61	56	19863	86.265	ug/l	100
14) Allyl chloride	4.33	41	198354	18.806	ug/l	99
15) Acrylonitrile	5.00	53	261205	111.251	ug/l	99
16) Acetone	3.82	43	183790	102.819	ug/l	99
17) Carbon Disulfide	4.05	76	376363	16.587	ug/l	99
18) Methyl Acetate	4.33	43	165519	24.161	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	368174	21.625	ug/l	100
20) Methylene Chloride	4.55	84	153581	18.782	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	135337	18.486	ug/l	97
22) Diisopropyl ether	5.96	45	439559	20.912	ug/l	99
23) Vinyl Acetate	5.90	43	1378967	101.871	ug/l	99
24) 1,1-Dichloroethane	5.85	63	260022	19.269	ug/l	98
25) 2-Butanone	6.84	43	290908	99.498	ug/l	100
26) 2,2-Dichloropropane	6.83	77	188908	17.422	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	154878	19.623	ug/l	100
28) Bromochloromethane	7.20	49	118931	20.741	ug/l	99
29) Tetrahydrofuran	7.22	42	199285	118.883	ug/l	99
30) Chloroform	7.37	83	260467	19.492	ug/l	100
31) Cyclohexane	7.66	56	224741	18.617	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	222343	19.372	ug/l	99
36) 1,1-Dichloropropene	7.80	75	191459	18.402	ug/l	98
37) Ethyl Acetate	6.94	43	134196	22.453	ug/l	99
38) Carbon Tetrachloride	7.78	117	192846	18.336	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	199825	17.752	ug/l	99
40) Benzene	8.04	78	603441	19.234	ug/l	98
41) Methacrylonitrile	7.18	41	60072	18.573	ug/l	91
42) 1,2-Dichloroethane	8.13	62	184093	19.626	ug/l	98
43) Isopropyl Acetate	8.17	43	234816	22.851	ug/l #	91
44) Trichloroethene	8.84	130	154463	18.667	ug/l	98
45) 1,2-Dichloropropane	9.12	63	158985	19.281	ug/l	98
46) Dibromomethane	9.21	93	94278	19.459	ug/l	98
47) Bromodichloromethane	9.40	83	192897	19.008	ug/l	99
48) Methyl methacrylate	9.20	41	113352	21.644	ug/l	98
49) 1,4-Dioxane	9.20	88	33372	467.438	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	664729	108.398	ug/l	99
52) Toluene	10.16	92	372402	20.037	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	191284	18.938	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	222285	19.218	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138476	20.074	ug/l	98
56) Ethyl methacrylate	10.43	69	166115	19.991	ug/l	99
57) 1,3-Dichloropropane	10.71	76	229993	20.199	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	350230	97.291	ug/l	100
59) 2-Hexanone	10.75	43	426585	104.494	ug/l	100
60) Dibromochloromethane	10.90	129	152485	19.742	ug/l	98
61) 1,2-Dibromoethane	11.01	107	135525	20.317	ug/l	100
64) Tetrachloroethene	10.63	164	141681	18.809	ug/l	99
65) Chlorobenzene	11.44	112	398190	19.210	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	149128	19.663	ug/l	100
67) Ethyl Benzene	11.51	91	650736	19.310	ug/l	99
68) m/p-Xylenes	11.62	106	510051	39.876	ug/l	100
69) o-Xylene	11.95	106	247760	20.148	ug/l	99
70) Styrene	11.97	104	379564	18.340	ug/l	99
71) Bromoform	12.13	173	104932	20.119	ug/l #	99
73) Isopropylbenzene	12.25	105	646954	20.932	ug/l	100
74) N-amyl acetate	12.07	43	167784	21.605	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	181480	23.770	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	137400m	21.017	ug/l	
77) Bromobenzene	12.53	156	168947	20.113	ug/l	99
78) n-propylbenzene	12.59	91	708041	20.507	ug/l	100
79) 2-Chlorotoluene	12.68	91	438443	20.387	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	527473	21.151	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40024	20.696	ug/l	98
82) 4-Chlorotoluene	12.77	91	425413	20.037	ug/l	99
83) tert-Butylbenzene	12.99	119	458949	21.250	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	530891	21.163	ug/l	100
85) sec-Butylbenzene	13.17	105	593241	20.962	ug/l	100
86) p-Isopropyltoluene	13.29	119	502266	20.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	275932	19.358	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	265850	18.950	ug/l	99
89) n-Butylbenzene	13.62	91	368971	19.130	ug/l	99
90) Hexachloroethane	13.88	117	94507	20.672	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	273608	19.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24935	22.464	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0829WBSD01

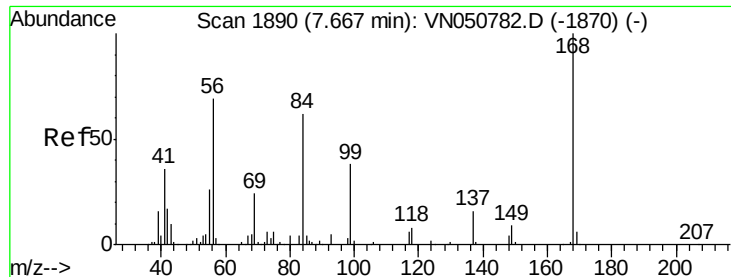
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	112204	18.486	ug/l	98
94) Hexachlorobutadiene	15.01	225	85064	20.199	ug/l	99
95) Naphthalene	15.14	128	242373	19.897	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	119281	19.910	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion:168 Resp: 602652

Ion Ratio Lower Upper

168 100

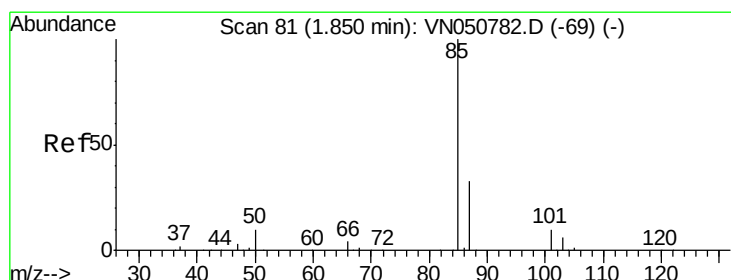
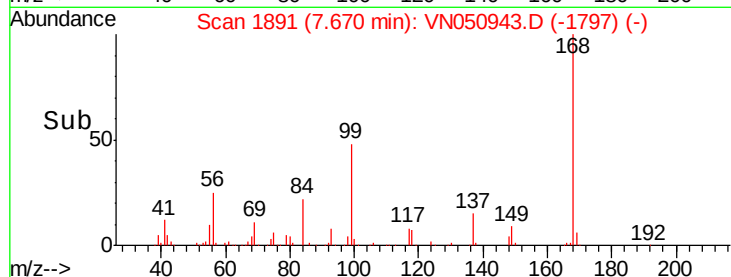
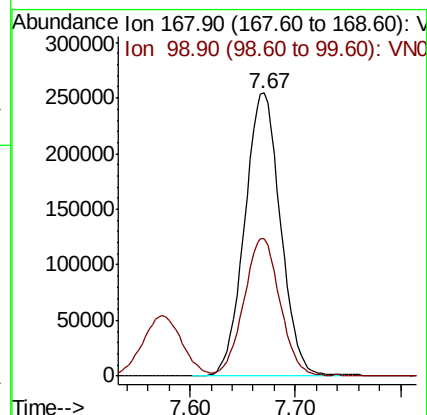
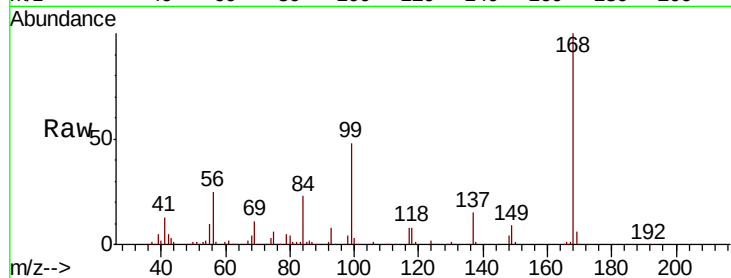
99 48.0 39.6 59.4

Manual Integrations

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8/30/2018 11:07:47 AM



#2

Dichlorodifluoromethane

Concen: 19.225 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050943.D

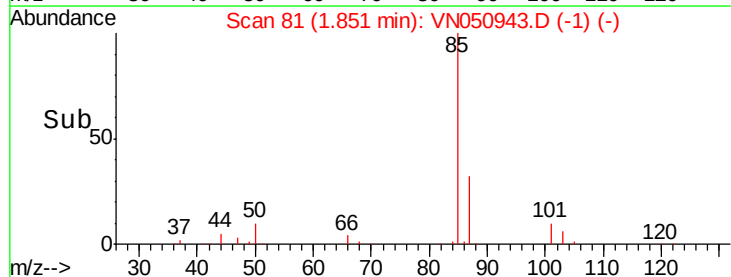
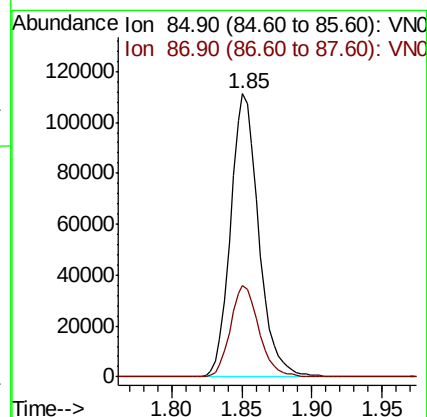
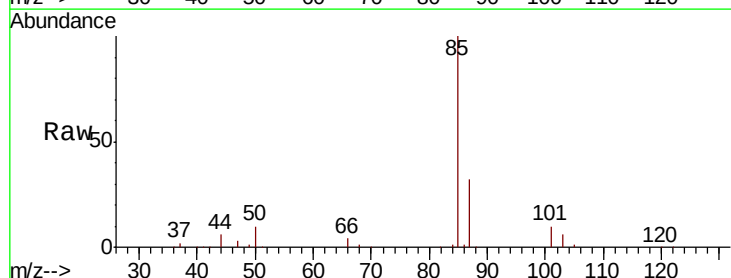
Acq: 29 Aug 2018 12:00

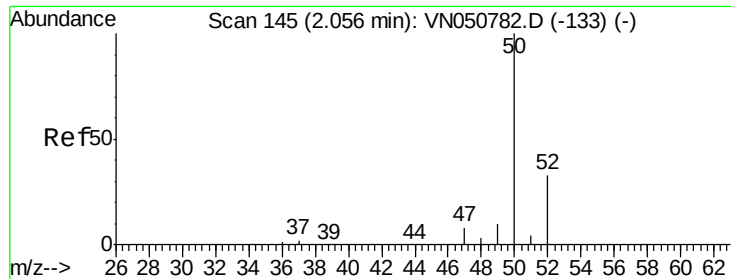
Tgt Ion: 85 Resp: 155048

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1





#3

Chloromethane

Concen: 17.958 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 50 Resp: 178641

Ion Ratio Lower Upper

50 100

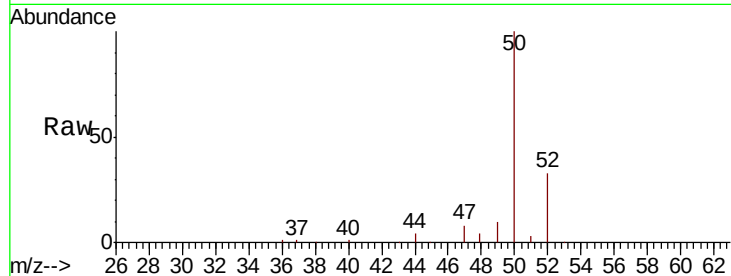
52 33.0 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

150000

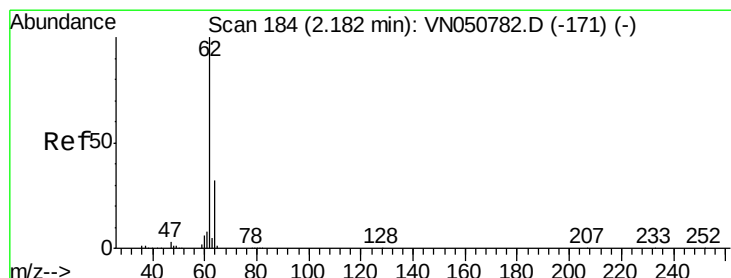
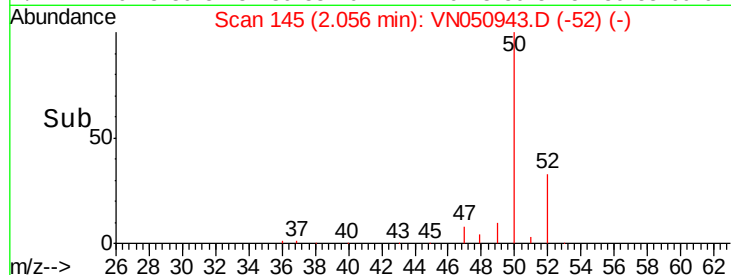
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 18.754 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050943.D

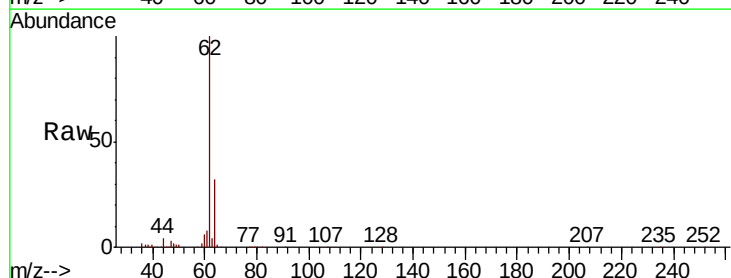
Acq: 29 Aug 2018 12:00

Tgt Ion: 62 Resp: 176723

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

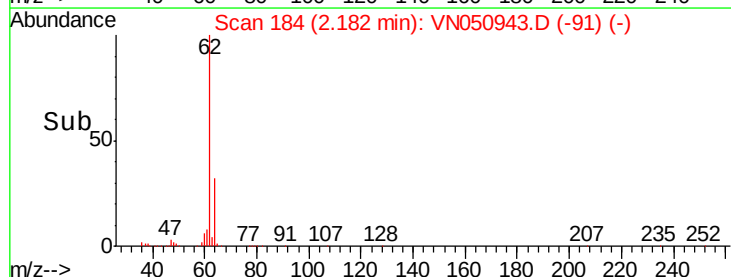
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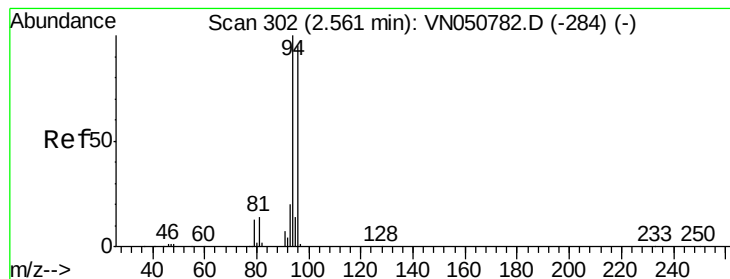
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 18.084 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 94 Resp: 100508

Ion Ratio Lower Upper

94 100

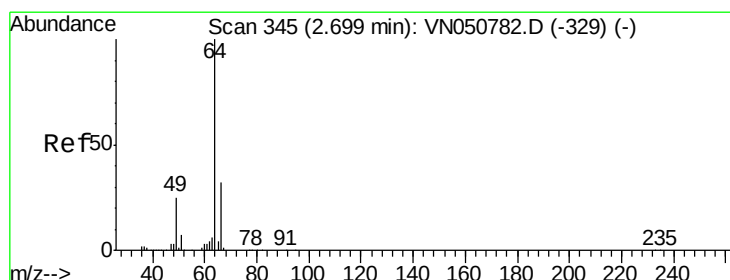
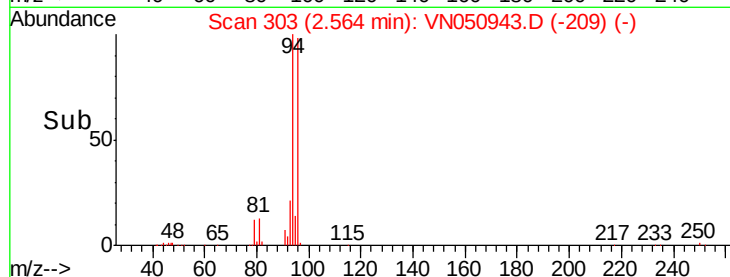
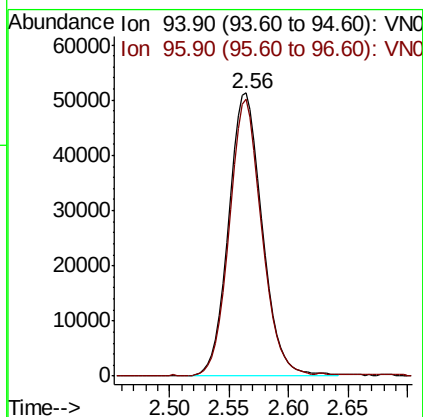
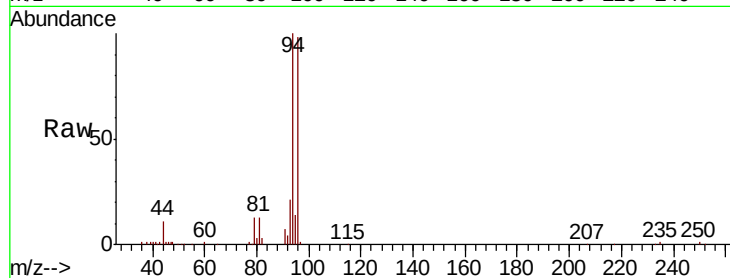
96 97.8 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 18.406 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050943.D

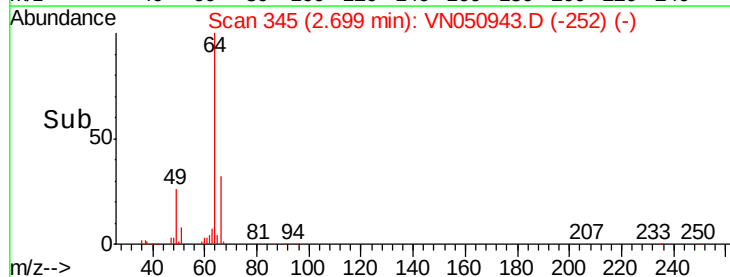
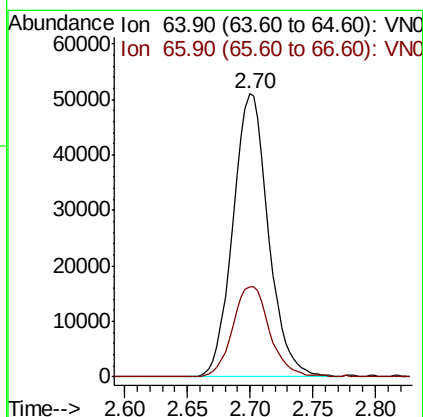
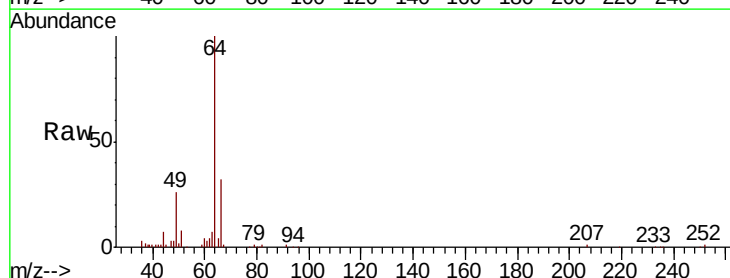
Acq: 29 Aug 2018 12:00

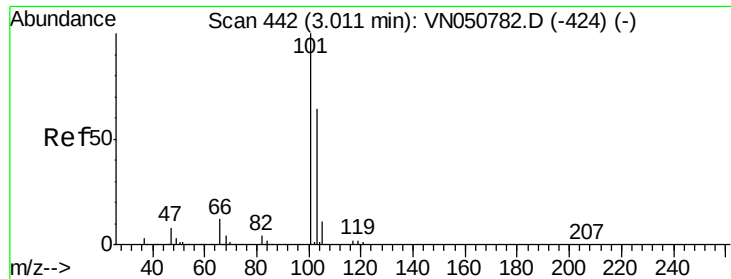
Tgt Ion: 64 Resp: 100213

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

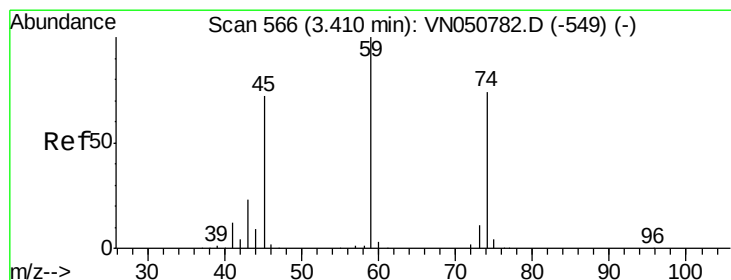
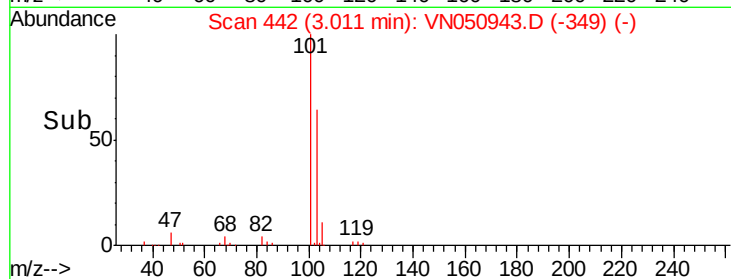
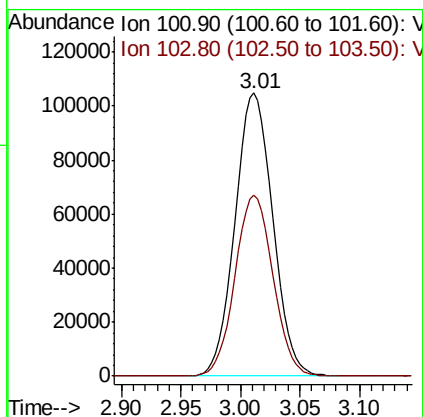
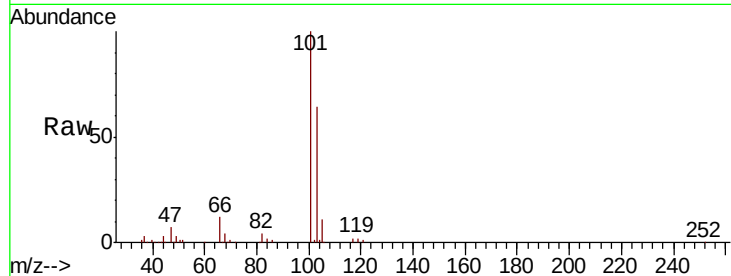
Trichlorofluoromethane
Concen: 19.157 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
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ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

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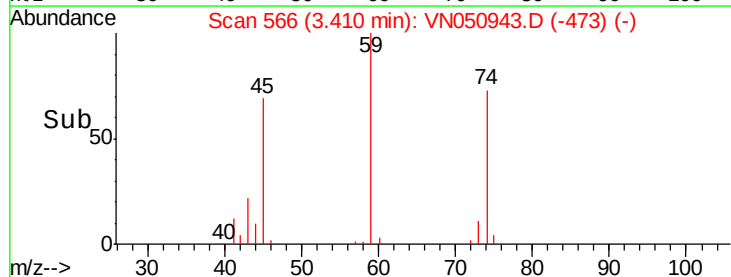
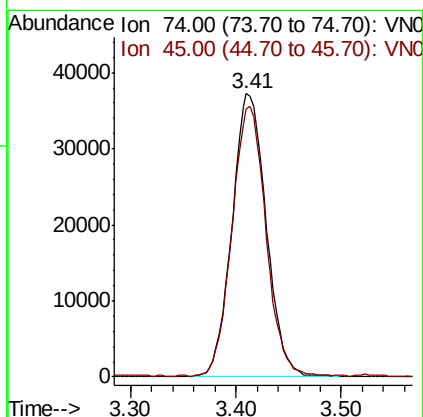
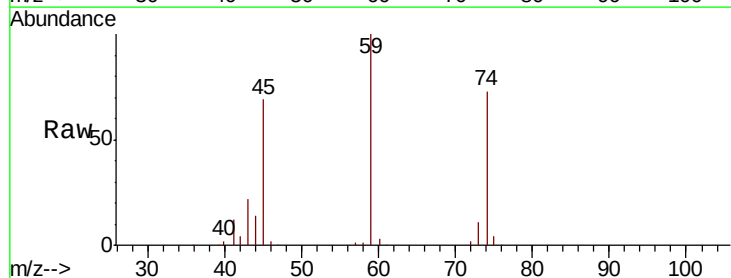
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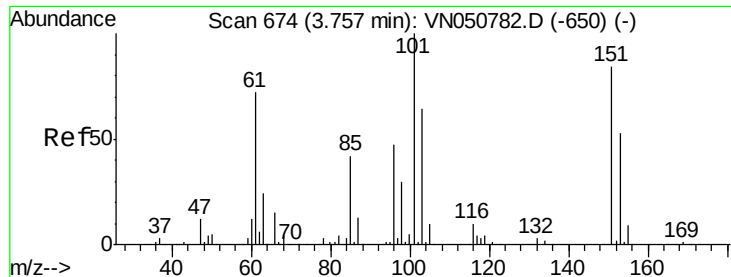


#8

Diethyl Ether
Concen: 20.360 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.682 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

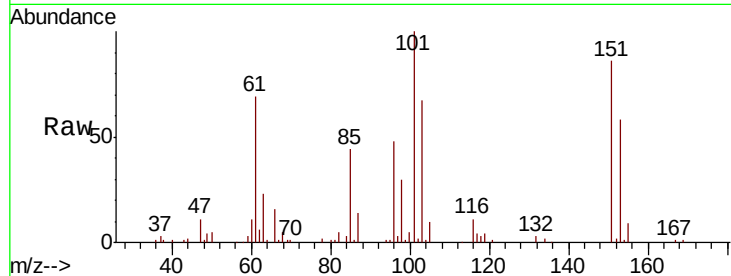
ClientSampleId :

VN0829WBSD01

Tot Ion:	101	Resp:	140836
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.7	50.5
151	85.9	67.4	101.2

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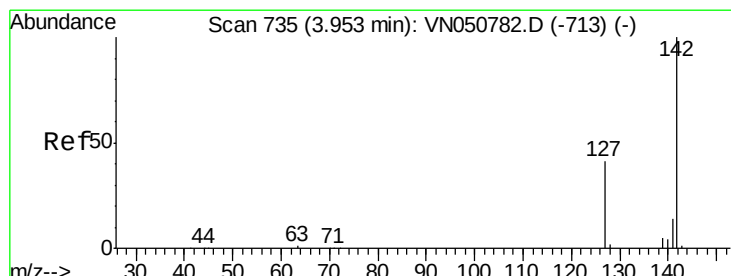
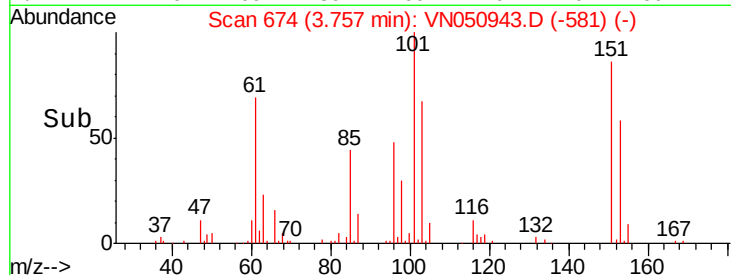
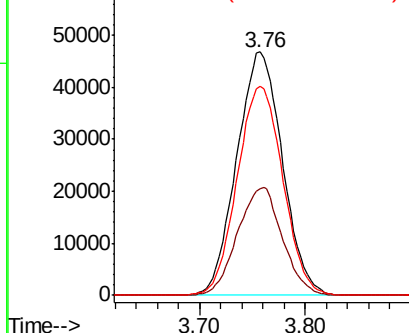


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.133 ug/l

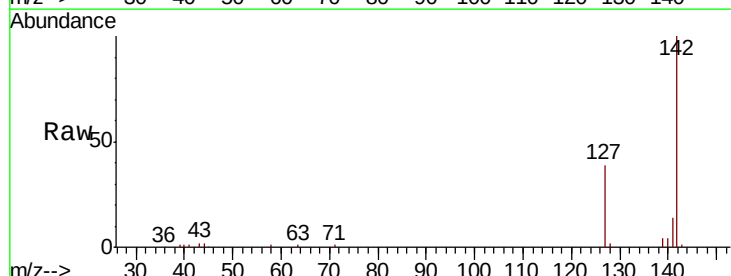
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion:	142	Resp:	112077
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.7	47.5
141	14.6	11.4	17.0

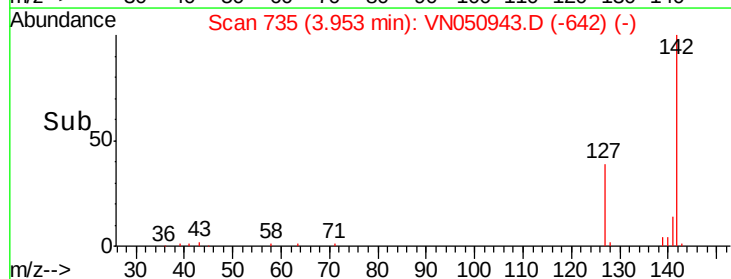
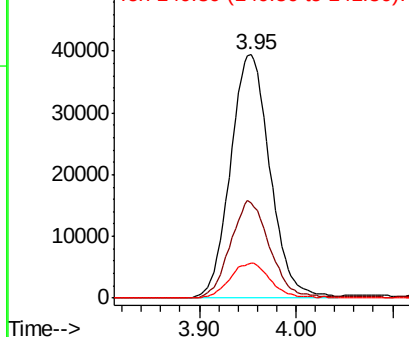


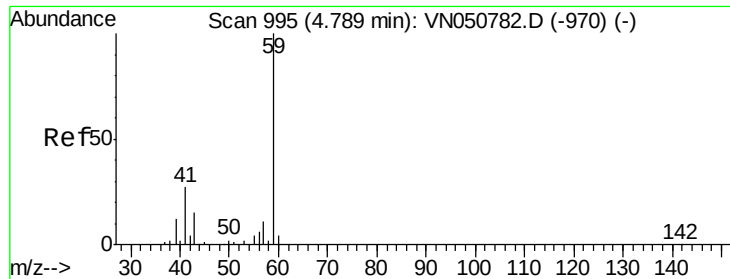
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





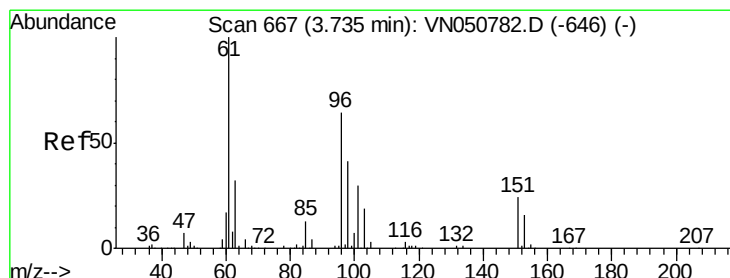
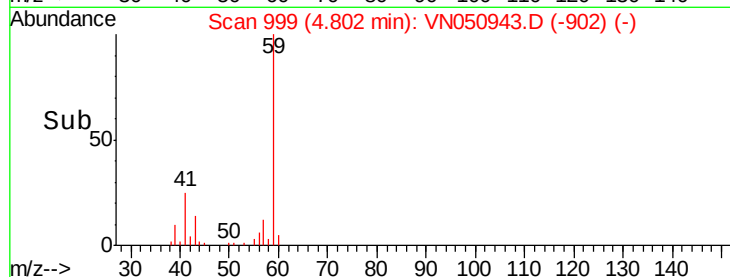
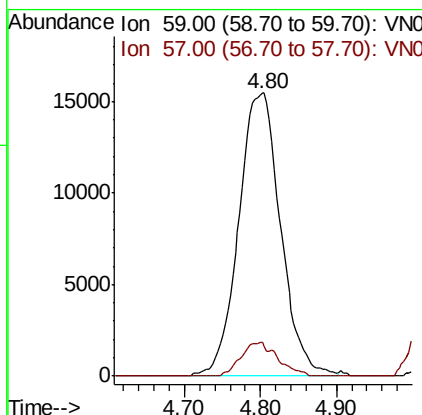
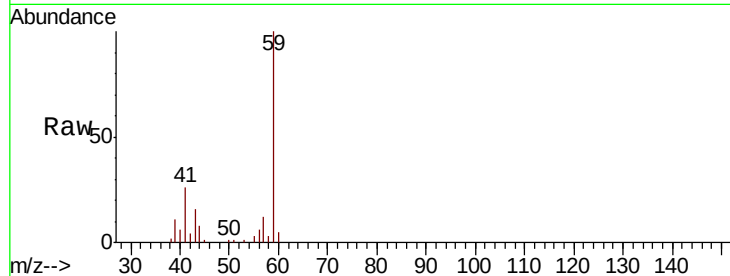
#11
Tert butyl alcohol
Concen: 128.214 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

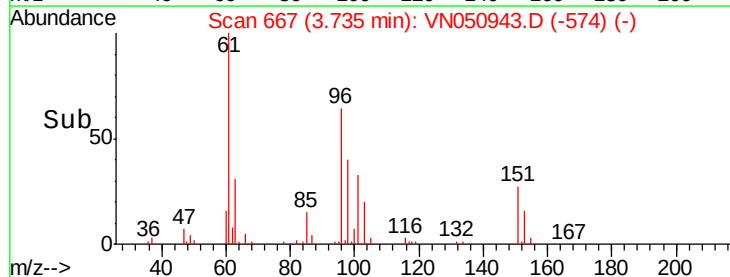
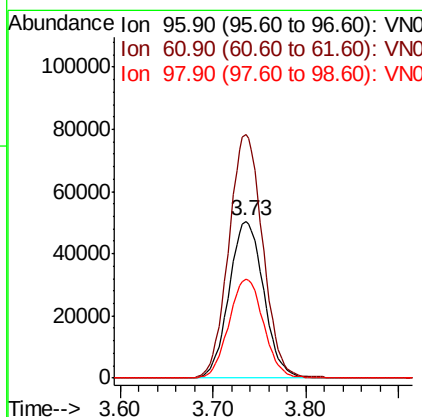
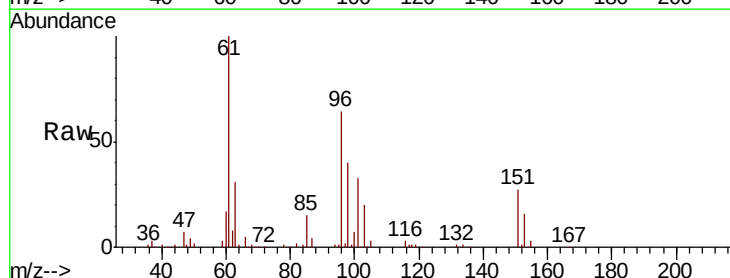
Manual Integrations
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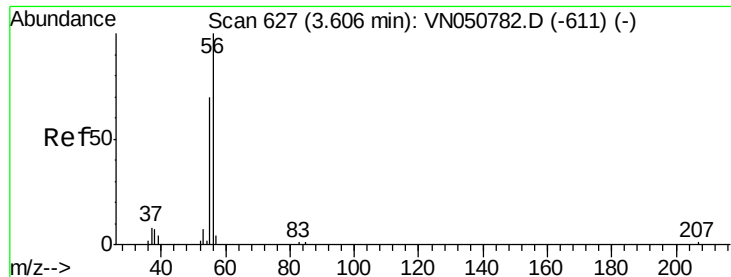
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.298 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	124.9	187.3
98	62.8	51.1	76.7





#13

Acrolein

Concen: 86.265 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 56 Resp: 19863

Ion Ratio Lower Upper

56 100

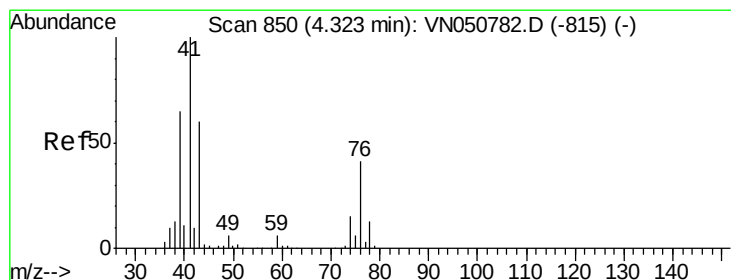
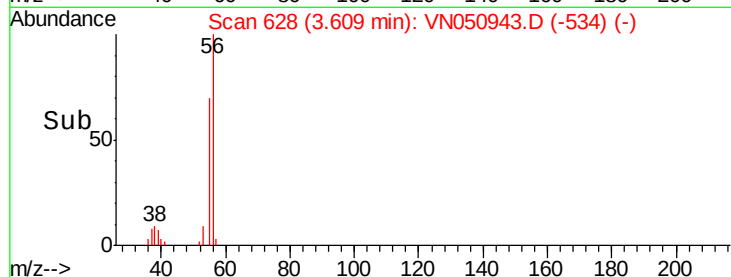
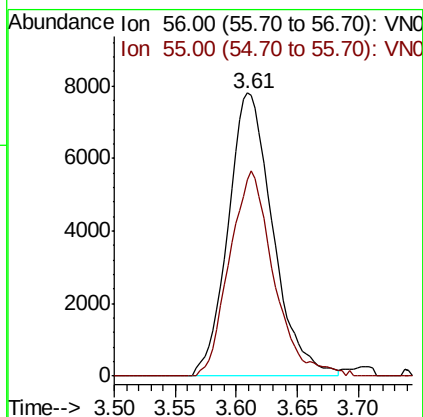
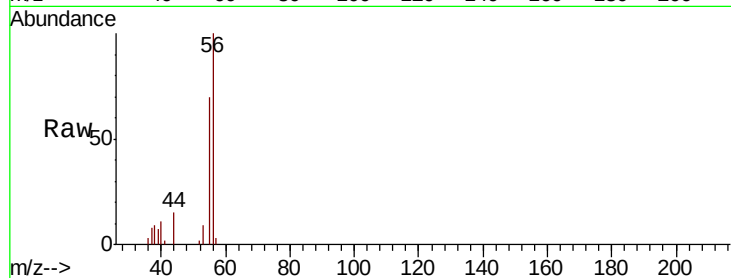
55 71.7 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.806 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

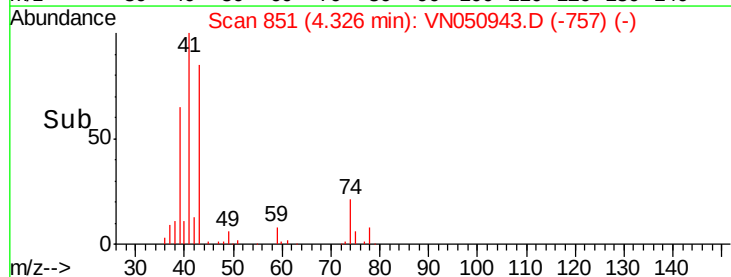
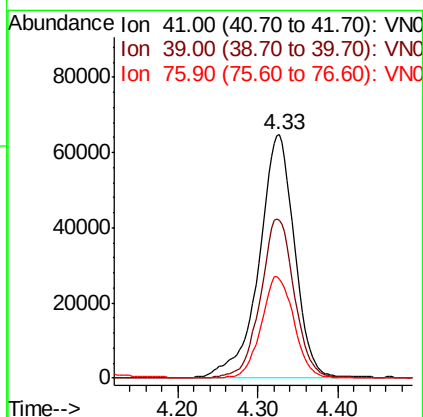
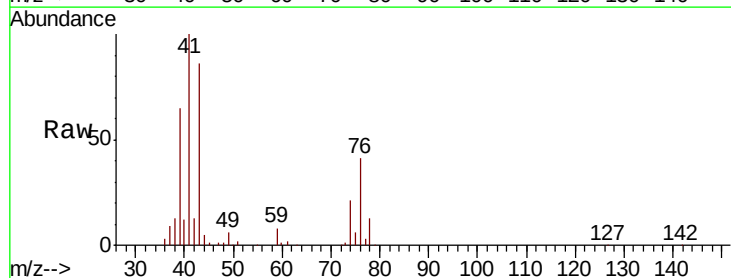
Tgt Ion: 41 Resp: 198354

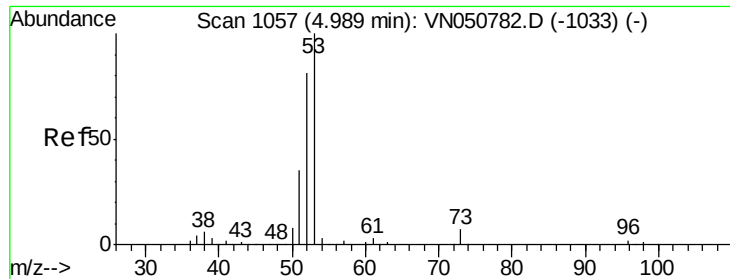
Ion Ratio Lower Upper

41 100

39 62.6 50.2 75.2

76 38.4 29.8 44.8





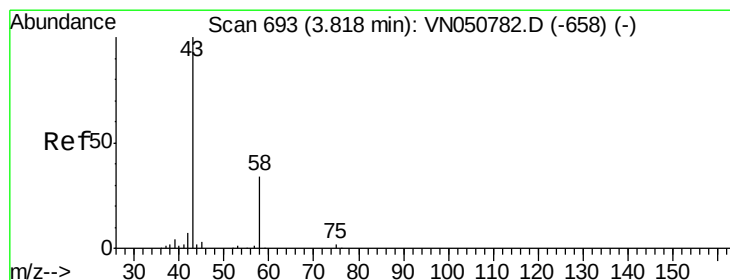
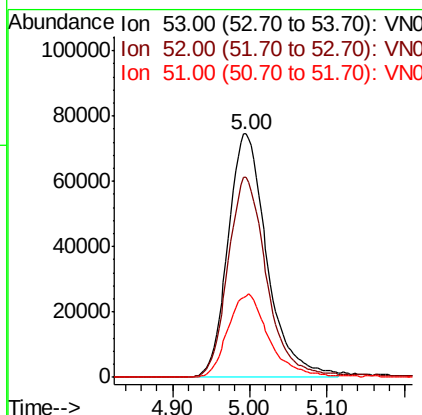
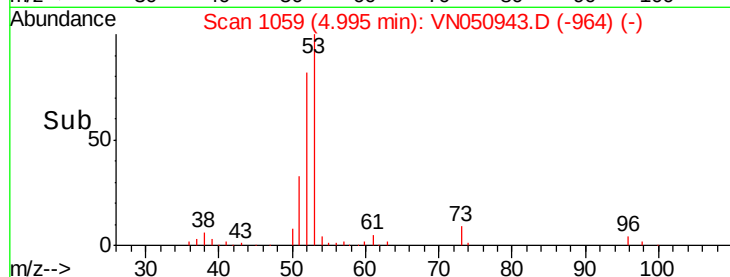
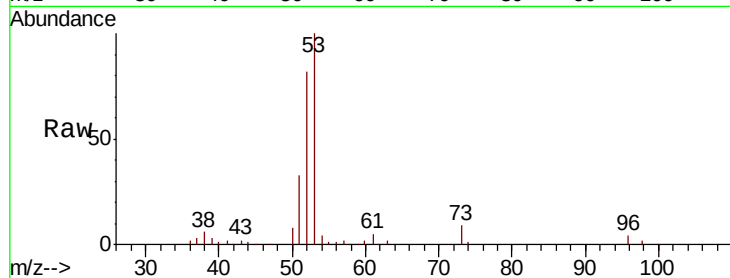
#15
 Acrylonitrile
 Concen: 111.251 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion:	53	Resp:	261205
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.9	98.9
51	35.9	28.6	43.0

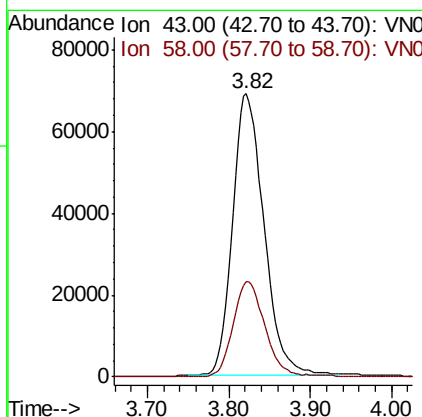
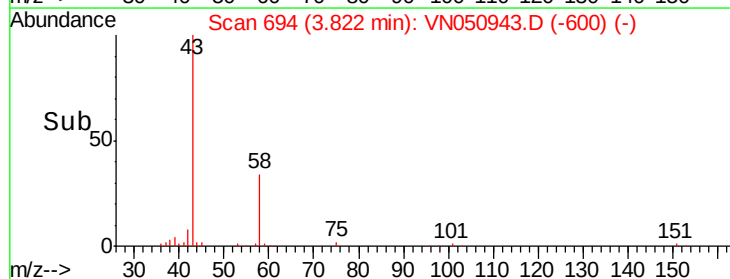
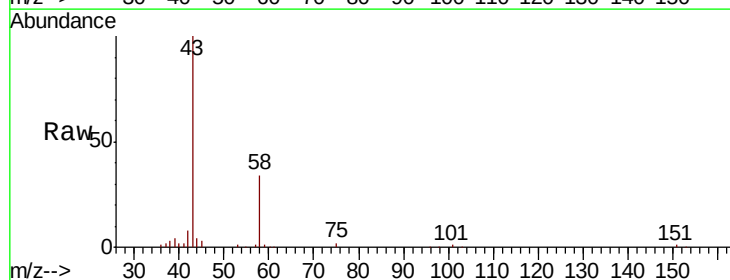
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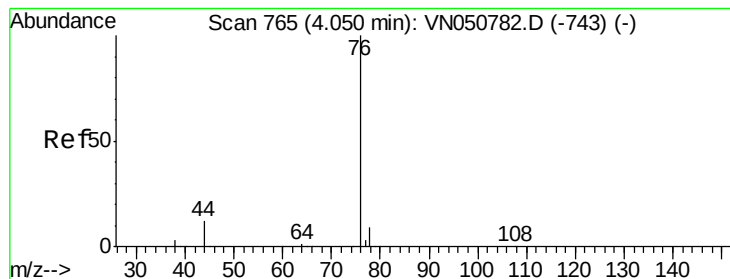
MMDadoda
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#16
 Acetone
 Concen: 102.819 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion:	43	Resp:	183790
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.2	40.8





#17

Carbon Disulfide

Concen: 16.587 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 76 Resp: 376363

Ion Ratio Lower Upper

76 100

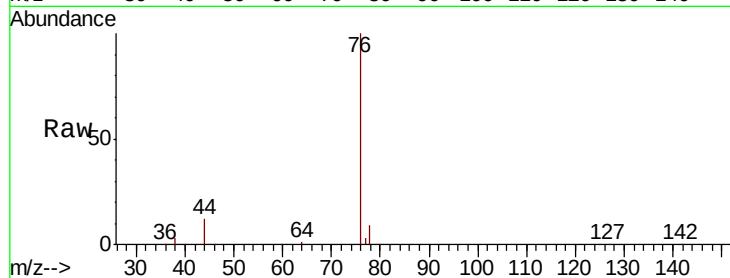
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

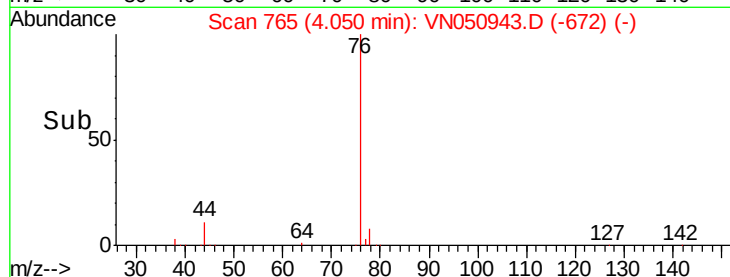
150000

100000

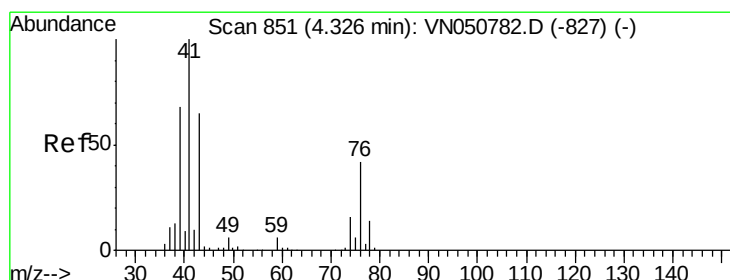
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 24.161 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050943.D

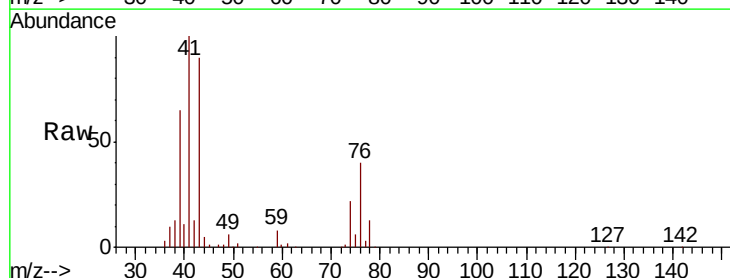
Acq: 29 Aug 2018 12:00

Tgt Ion: 43 Resp: 165519

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

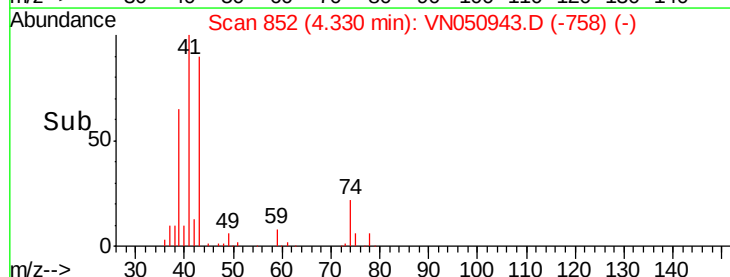
30000

20000

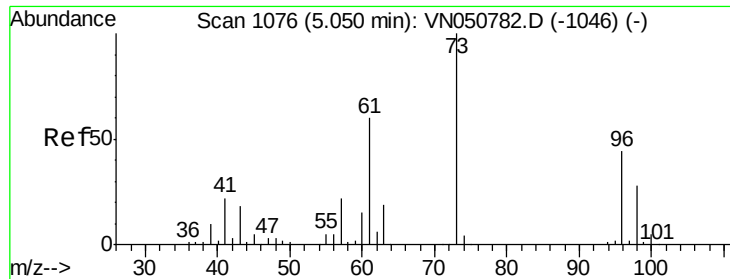
10000

0

Time-->



Time-->



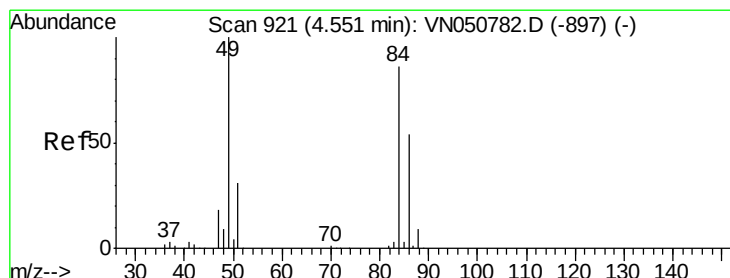
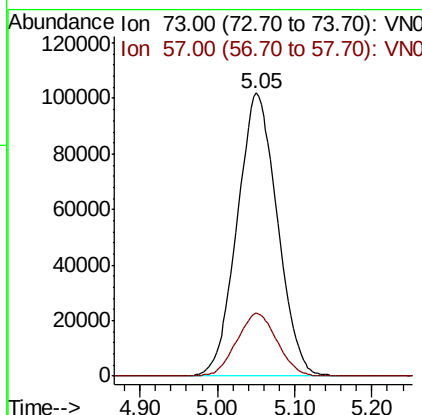
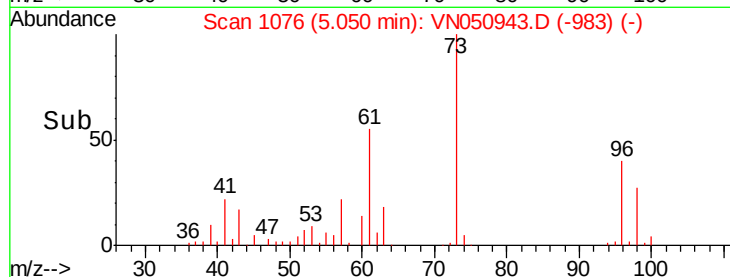
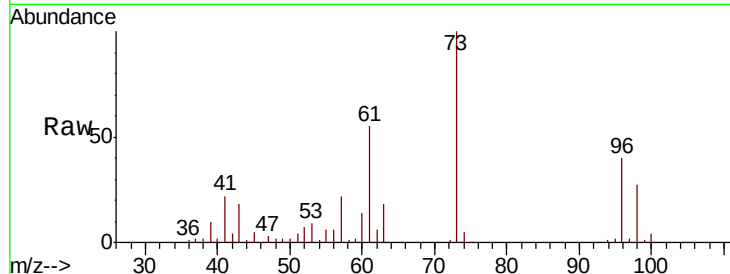
#19
Methvl tert-butyl Ether
Concen: 21.625 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion: 73 Resp: 368174
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

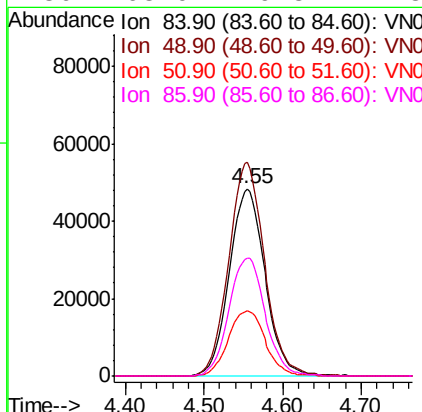
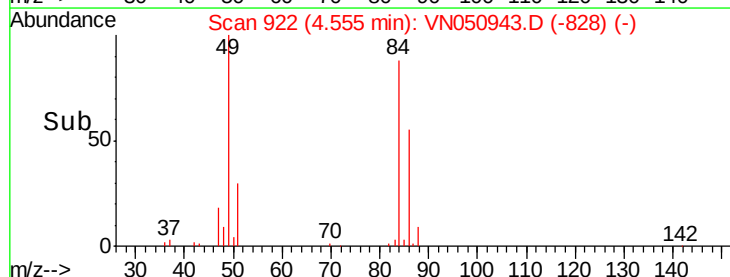
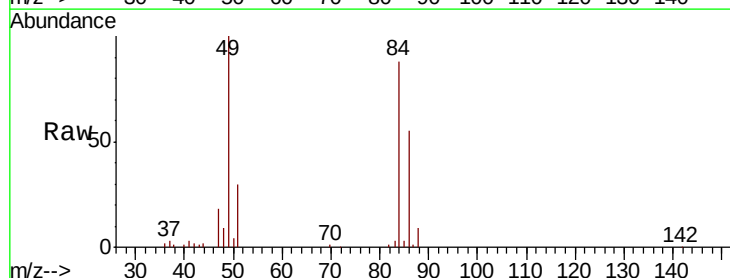
Manual Integrations
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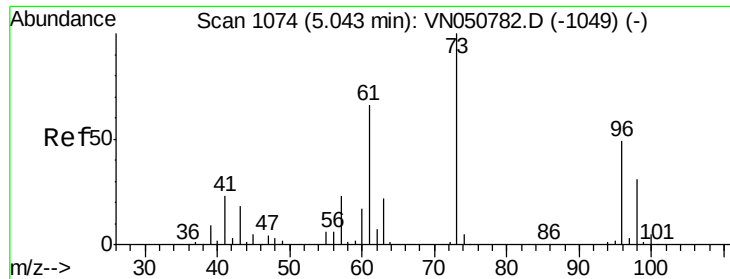
MMDadoda
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#20
Methylene Chloride
Concen: 18.782 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion: 84 Resp: 153581
Ion Ratio Lower Upper
84 100
49 113.9 93.2 139.8
51 34.7 29.0 43.6
86 63.0 49.8 74.8





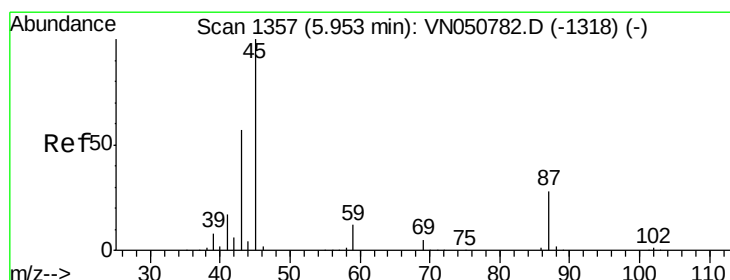
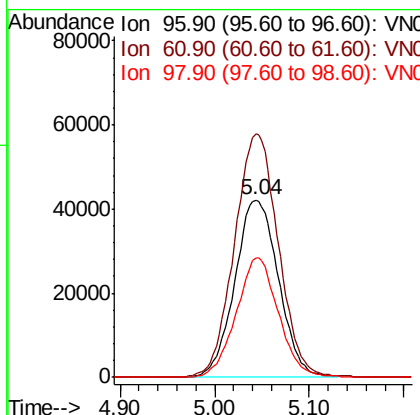
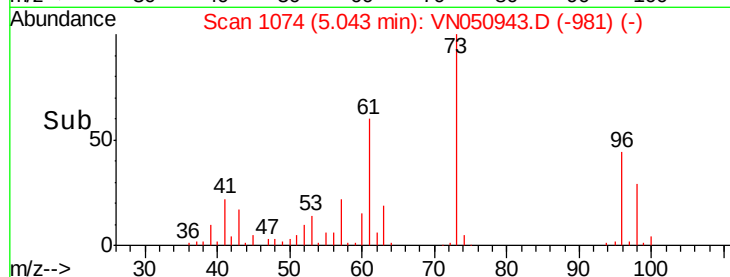
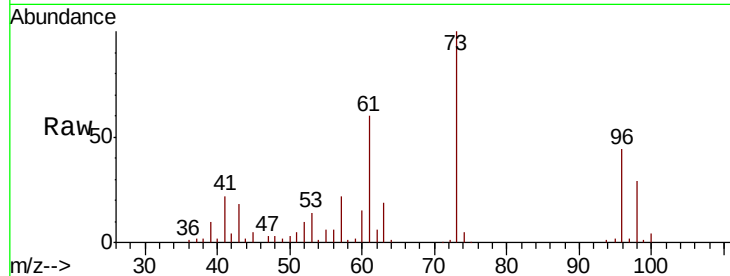
#21
trans-1,2-Dichloroethene
Concen: 18.486 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	107.4	161.0
98	67.1	50.7	76.1

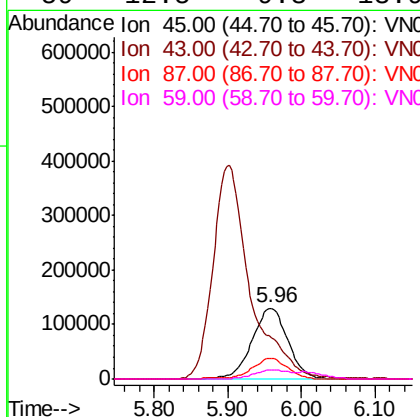
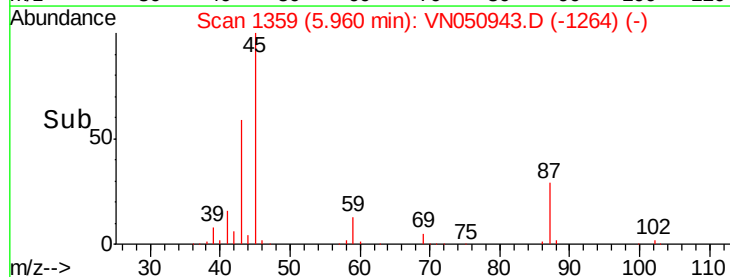
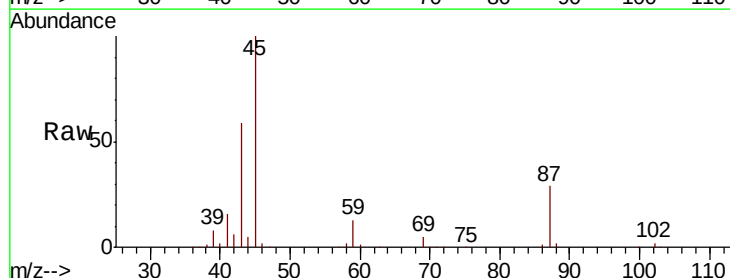
Manual Integrations
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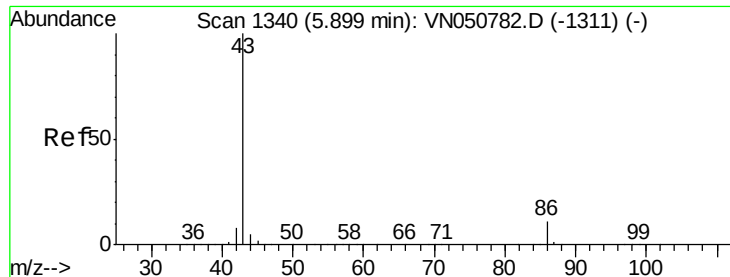
MMDadoda
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#22
Diisopropyl ether
Concen: 20.912 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	45.9	68.9
87	28.9	22.7	34.1
59	12.5	9.3	13.9





#23

Vinyl Acetate

Concen: 101.871 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 43 Resp: 1378967

Ion Ratio Lower Upper

43 100

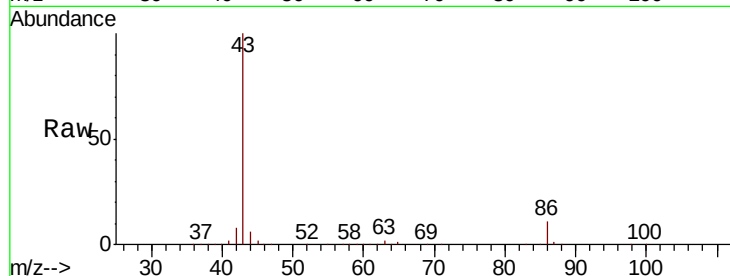
86 11.3 8.7 13.1

Manual Integrations

APPROVED

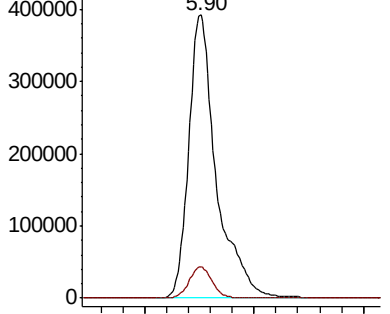
MMDadoda

8/30/2018 11:07:47 AM

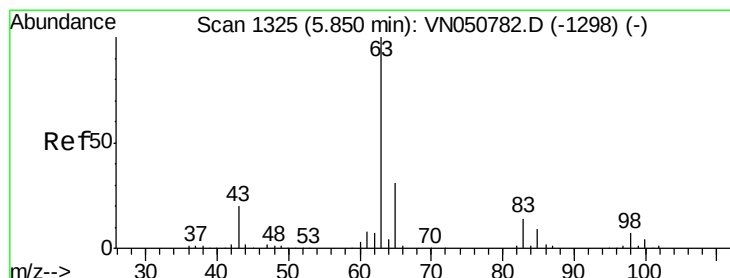
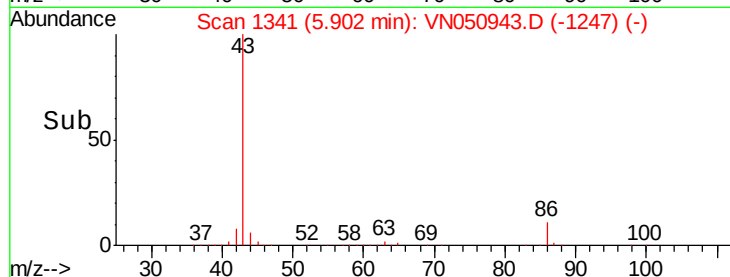


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.269 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

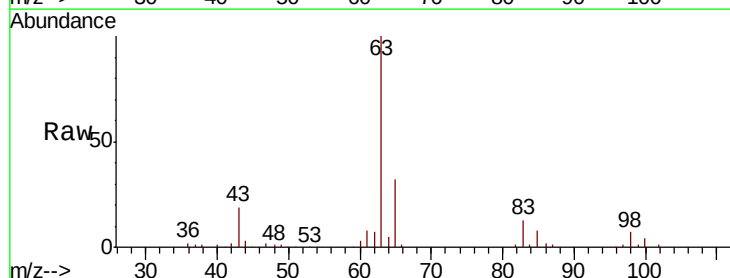
Tgt Ion: 63 Resp: 260022

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

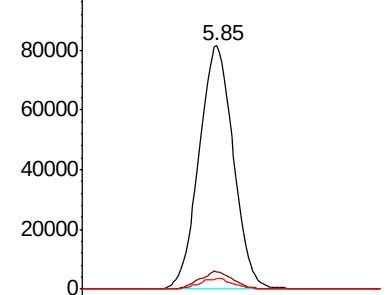
100 4.1 2.1 6.5



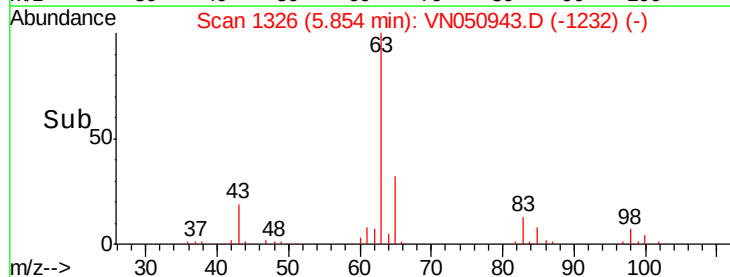
Abundance Ion 62.90 (62.60 to 63.60): VN0

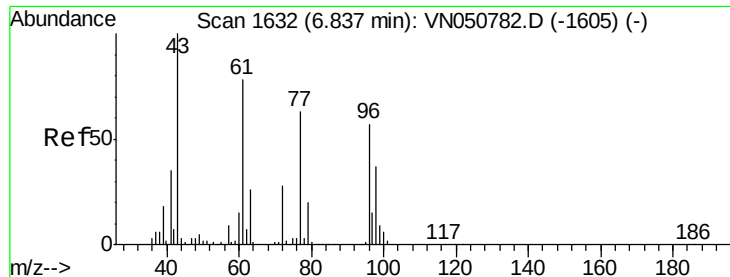
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 99.498 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 43 Resp: 290908

Ion Ratio Lower Upper

43 100

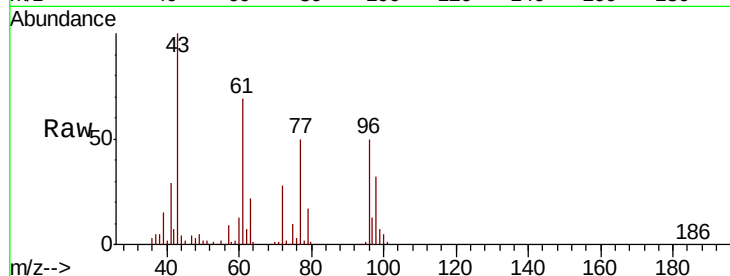
72 27.8 22.3 33.5

Manual Integrations

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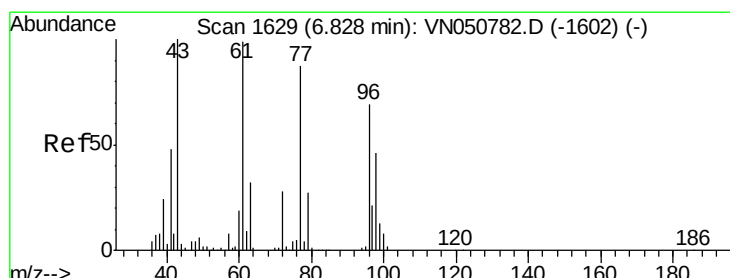
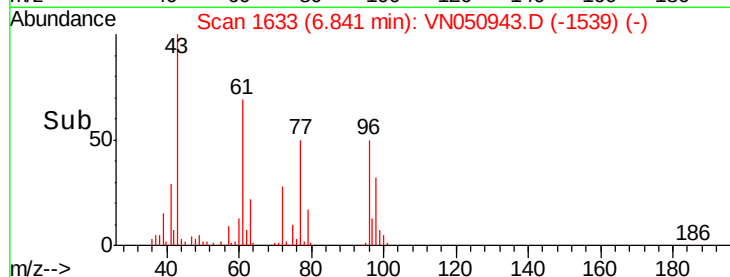
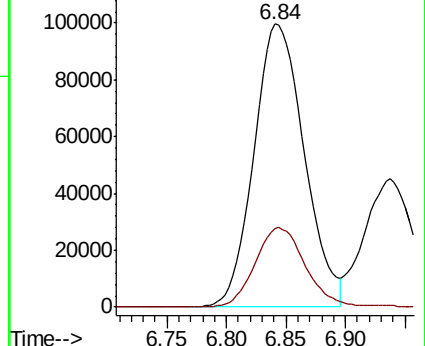
MMDadoda

8/30/2018 11:07:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.422 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050943.D

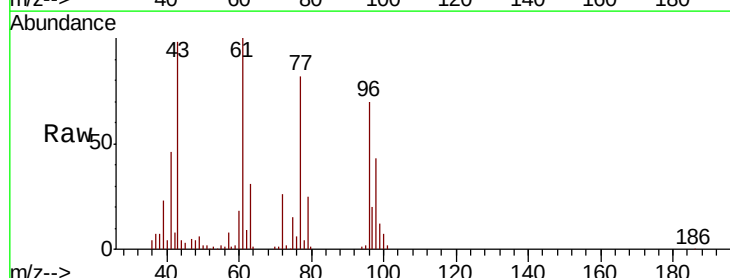
Acq: 29 Aug 2018 12:00

Tgt Ion: 77 Resp: 188908

Ion Ratio Lower Upper

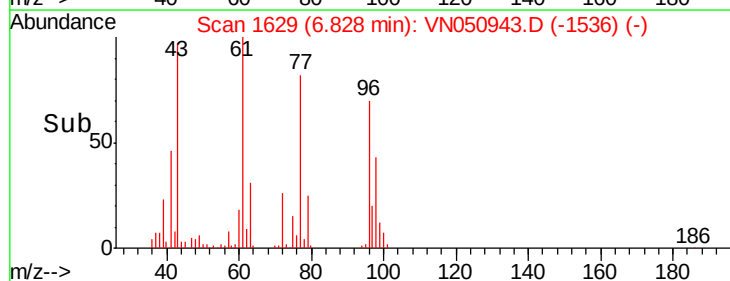
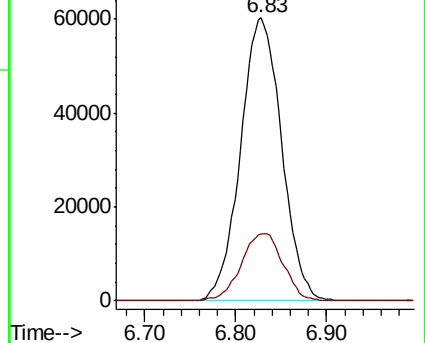
77 100

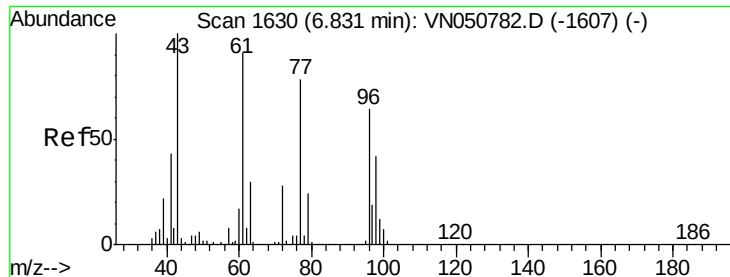
97 24.2 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.623 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

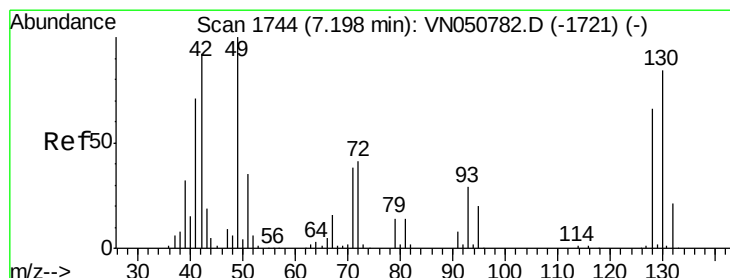
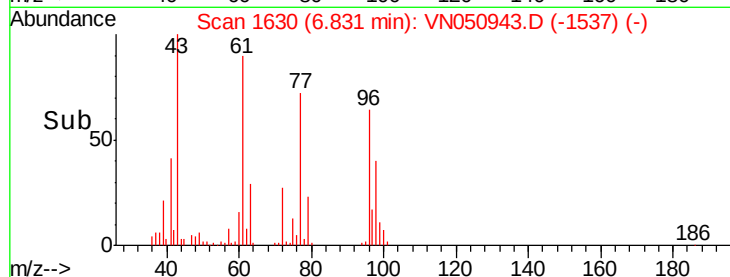
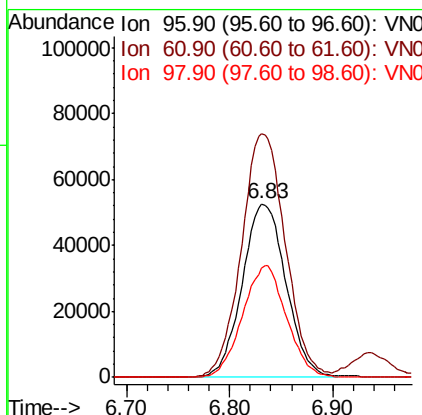
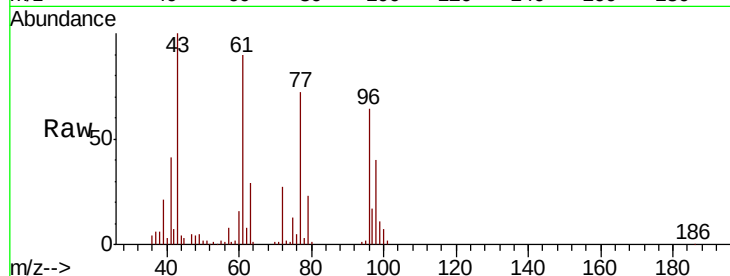
ClientSampleId :

VN0829WBSD01

Tot Ion:	96	Resp:	154878
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	283.4
98	64.7	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 20.741 ug/l

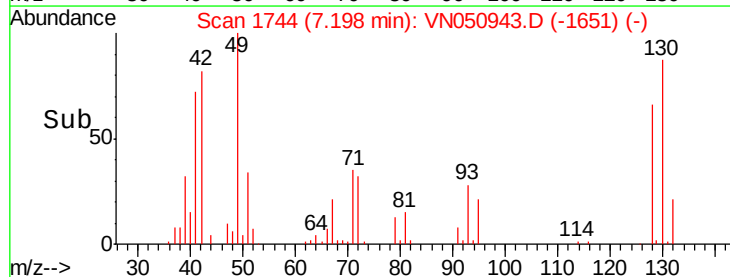
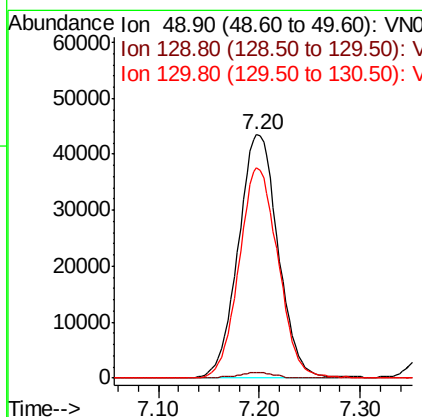
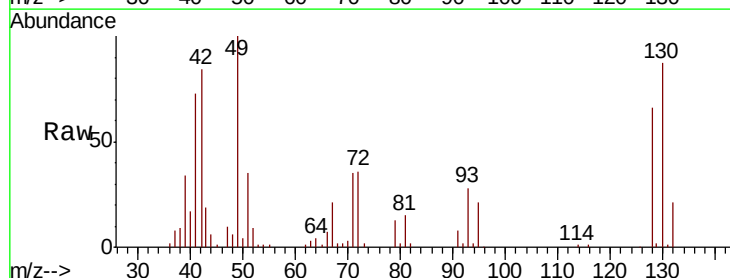
RT: 7.20 min Scan# 1744

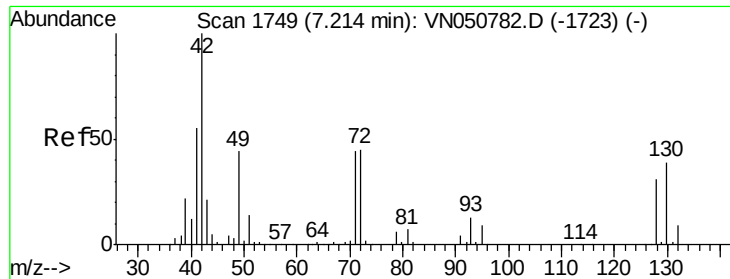
Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion:	49	Resp:	118931
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	84.9	67.1	100.7





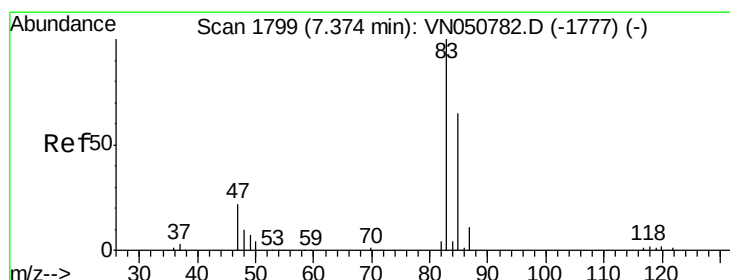
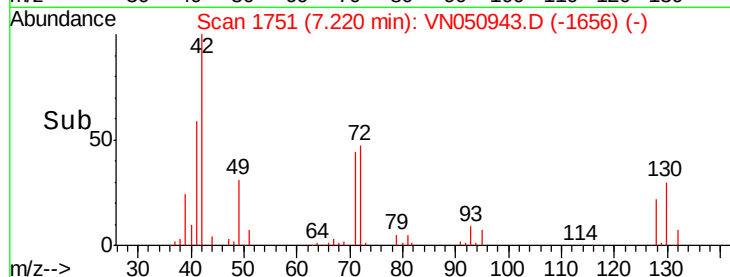
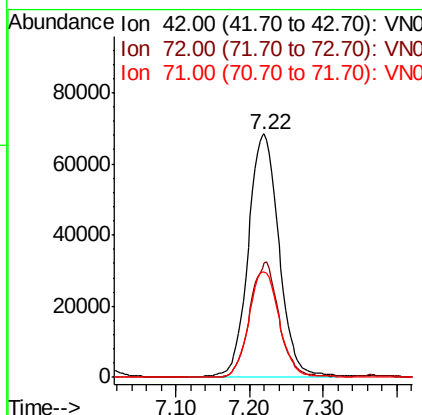
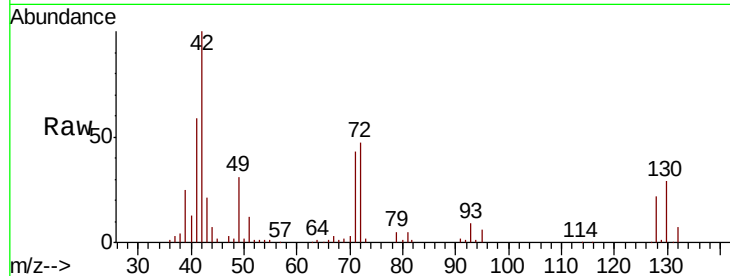
#29
Tetrahydrofuran
Concen: 118.883 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.5	53.3
71	42.8	33.7	50.5

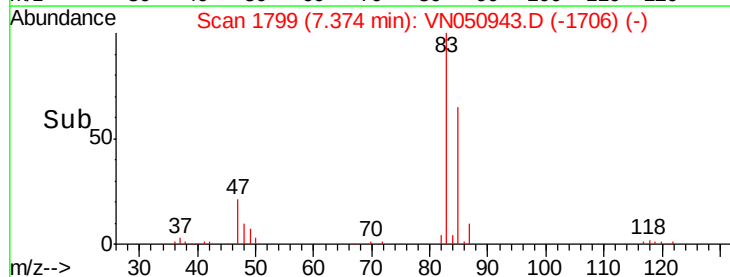
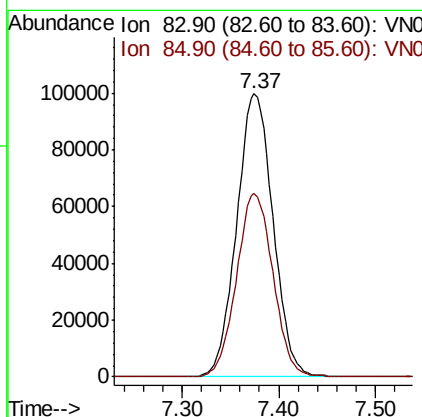
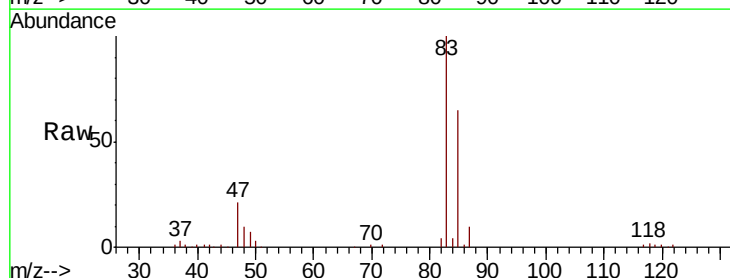
Manual Integrations
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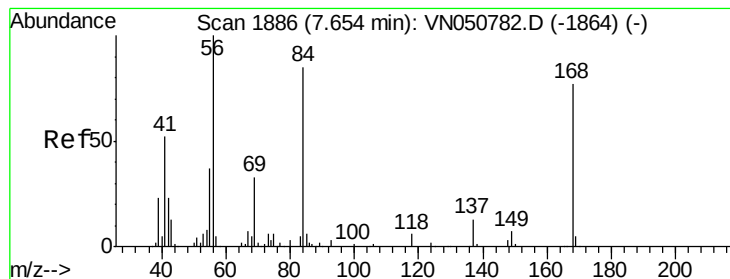
MMDadoda
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#30
Chloroform
Concen: 19.492 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





#31

Cyclohexane

Concen: 18.617 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

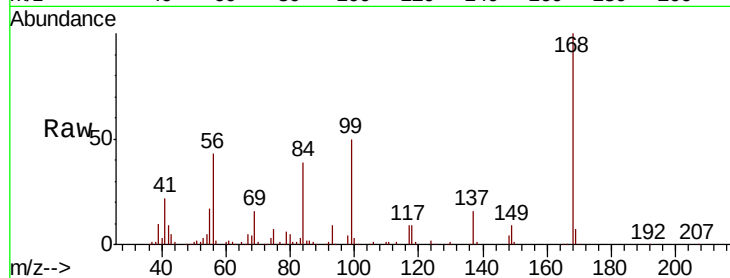
ClientSampled :

VN0829WBSD01

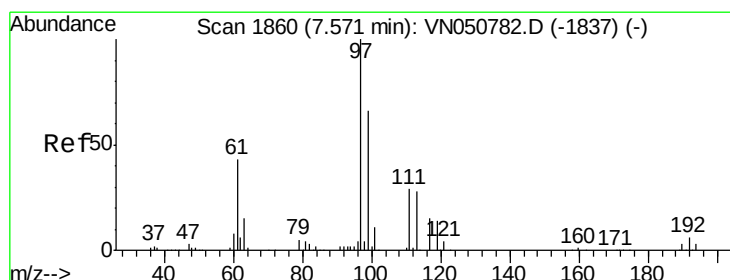
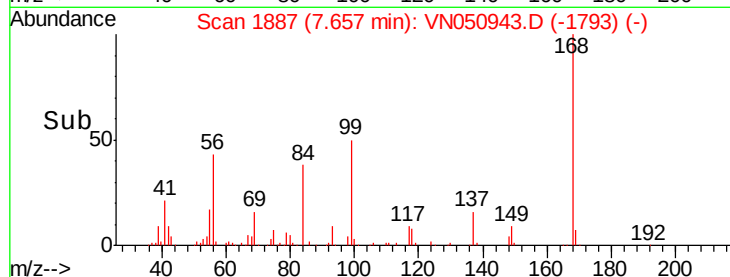
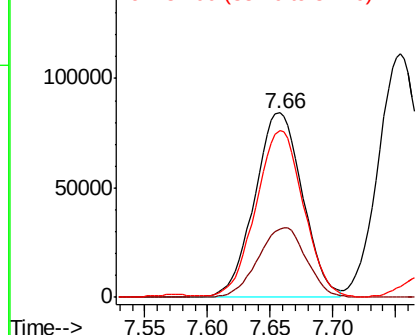
Tot Ion:	56	Resp:	224741
Ion Ratio	Lower	Upper	
56	100		
69	37.2	26.2	39.4
84	89.2	68.3	102.5

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.372 ug/l

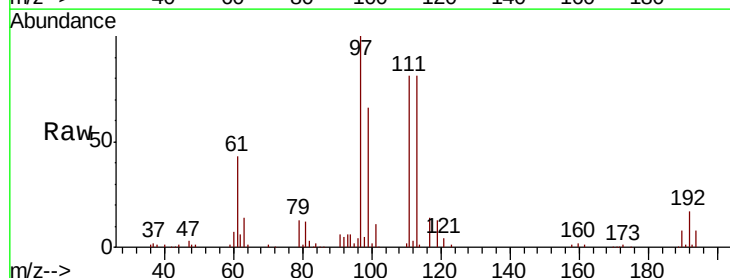
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

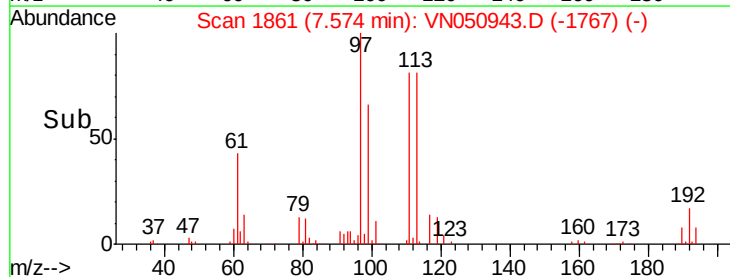
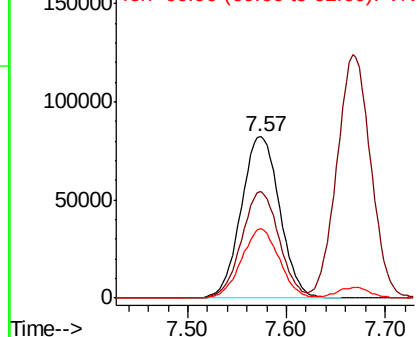
Lab File: VN050943.D

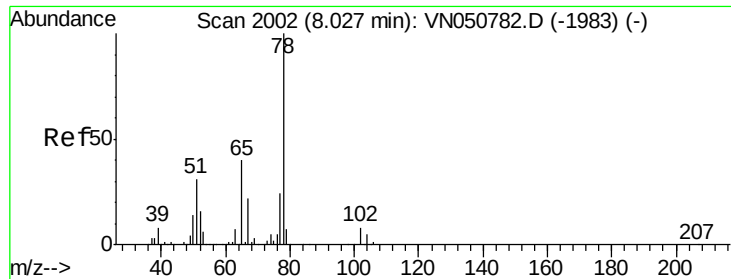
Acq: 29 Aug 2018 12:00

Tgt Ion:	97	Resp:	222343
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.8	77.6
61	42.2	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





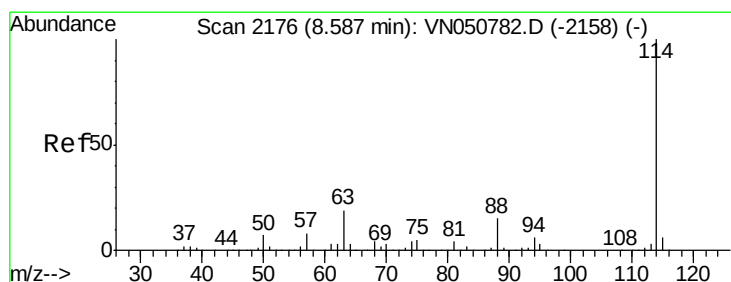
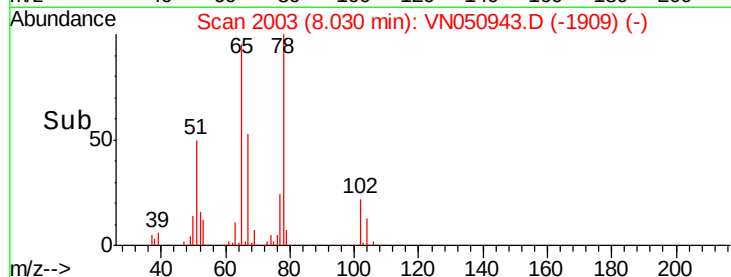
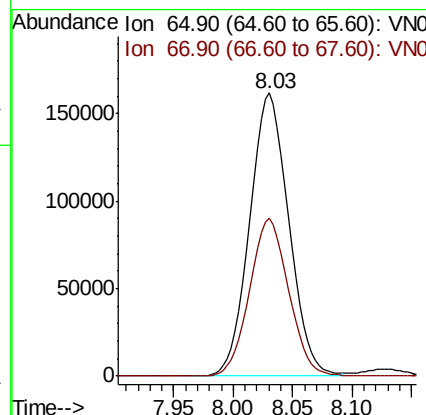
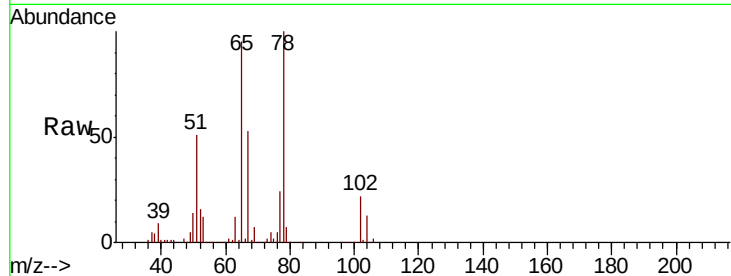
#33
 1,2-Dichloroethane-d4
 Concen: 50.804 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	110.4	

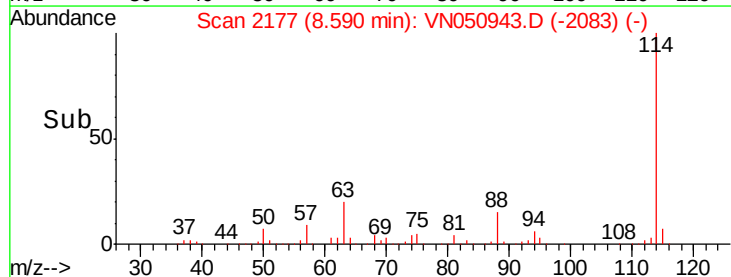
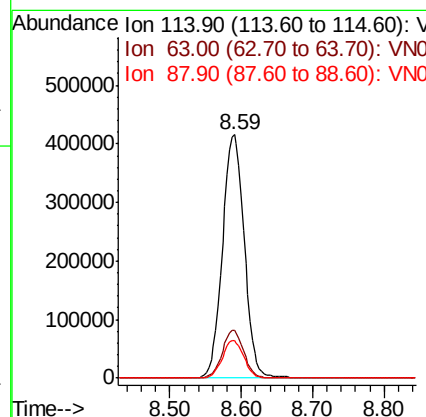
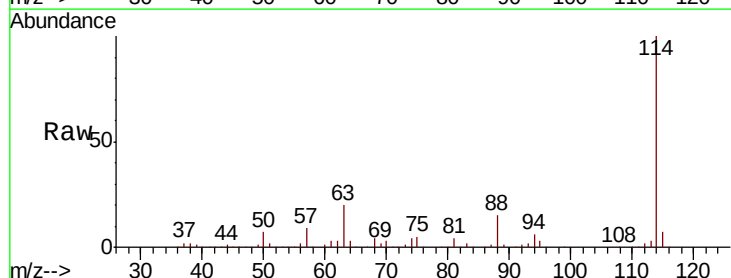
Manual Integrations
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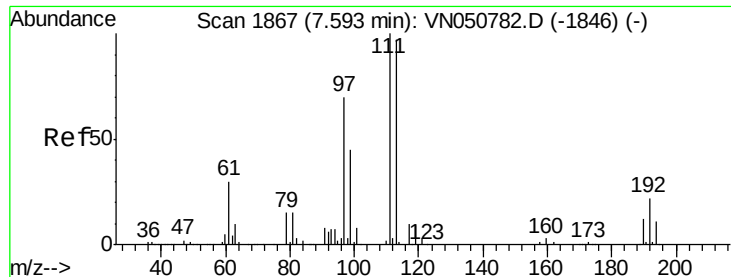
MMDadoda
 8/30/2018 11:07:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	38.6	
88	15.3	0.0	30.6	





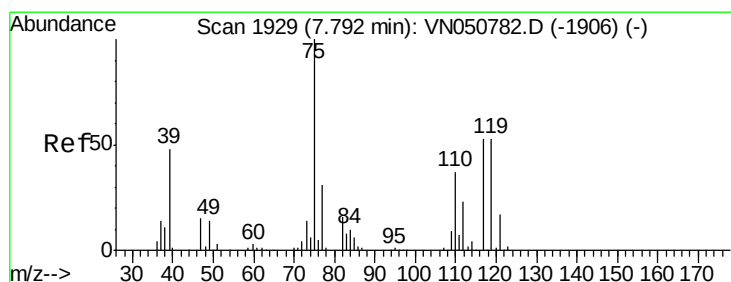
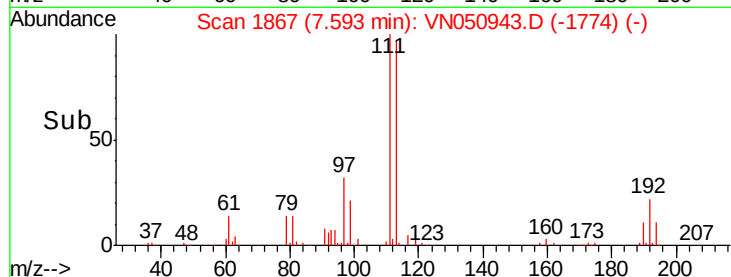
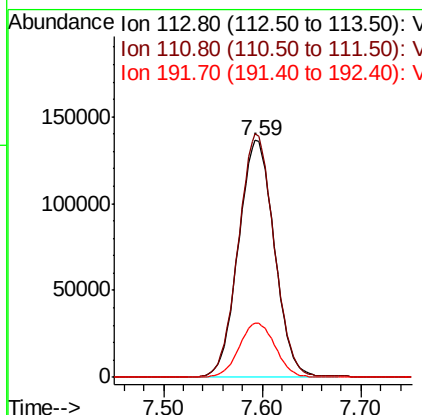
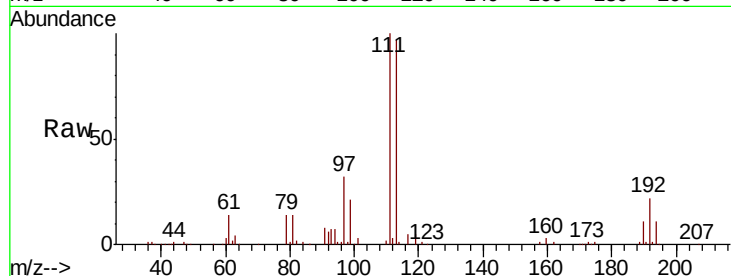
#35
 Dibromofluoromethane
 Concen: 49.231 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	345331		
111	102.2	82.6	123.8	
192	22.9	18.0	27.0	

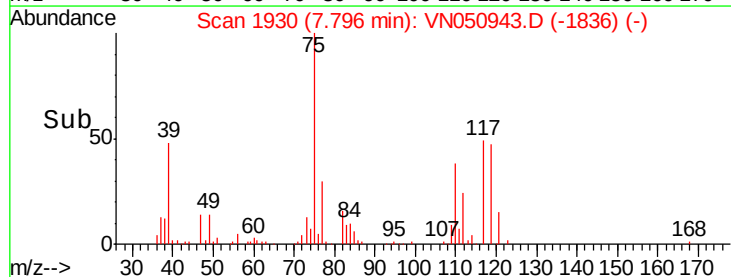
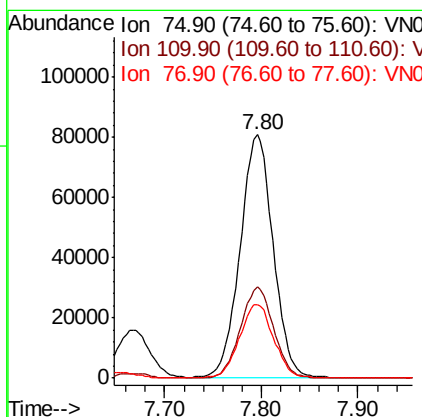
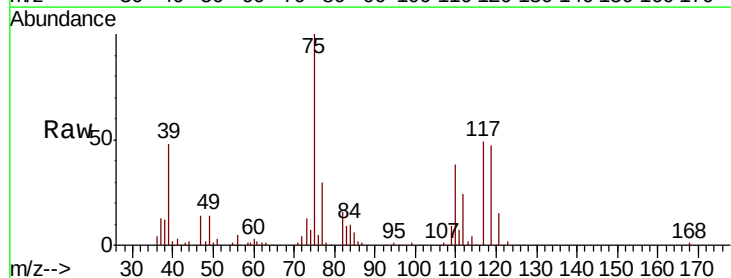
Manual Integrations
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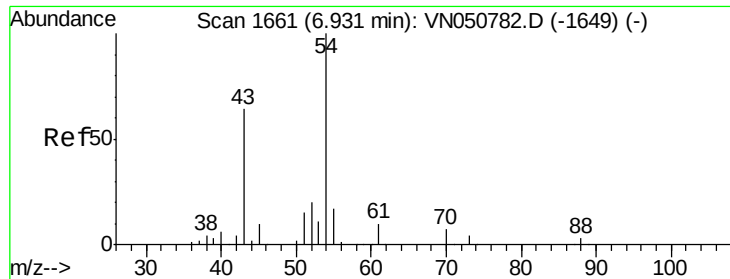
MMDadoda
 8/30/2018 11:07:47 AM



#36
 1,1-Dichloropropene
 Concen: 18.402 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191459		
110	37.6	18.1	54.4	
77	31.5	24.8	37.2	





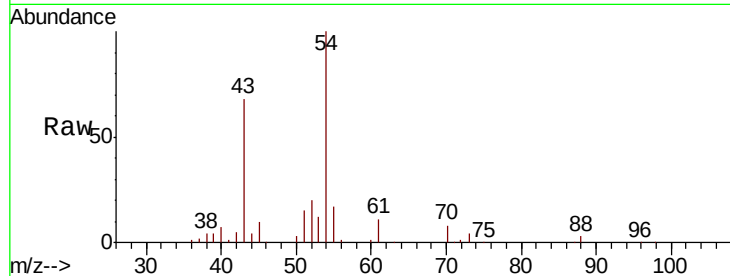
#37
Ethyl Acetate
Concen: 22.453 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

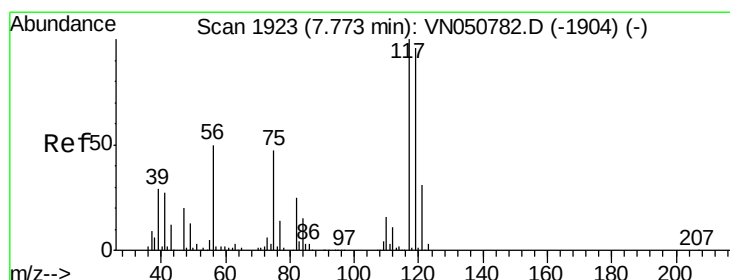
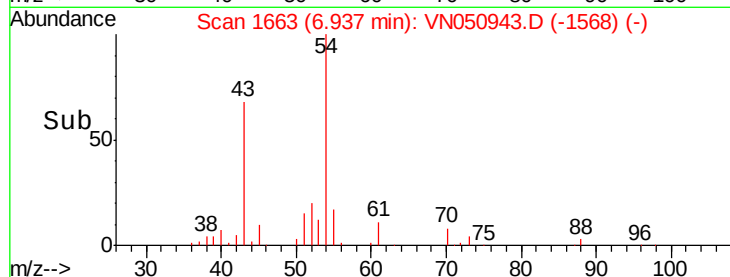
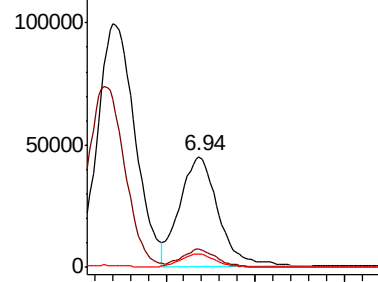
Tot Ion:	43	Resp:	134196
Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	11.3	8.6	13.0

Manual Integrations
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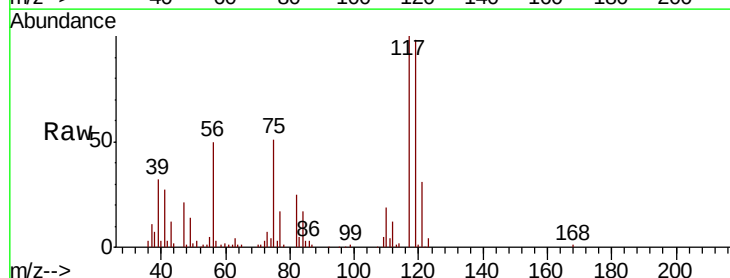


Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-1649) (-)
Ion 60.90 (60.60 to 61.60): VN050782.D (-1649) (-)
Ion 70.00 (69.70 to 70.70): VN050782.D (-1649) (-)

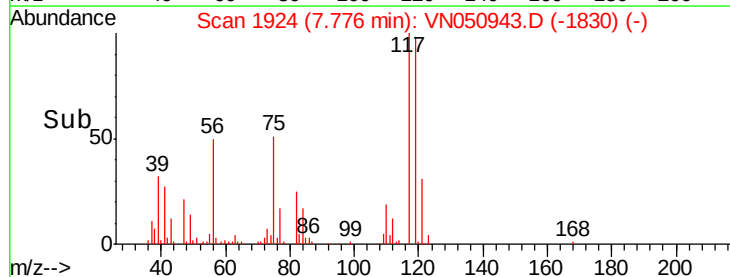
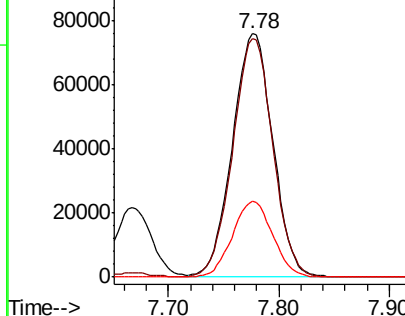


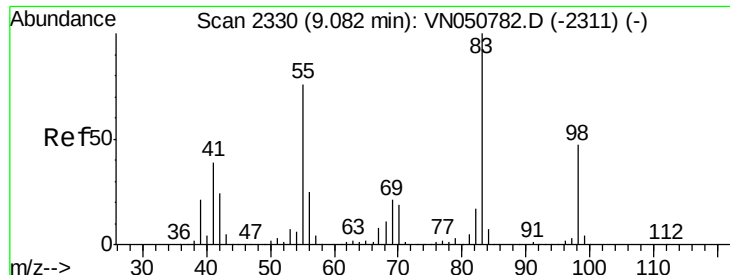
#38
Carbon Tetrachloride
Concen: 18.336 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion:	117	Resp:	192846
Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.3	114.5
121	31.0	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-1904) (-)
Ion 118.80 (118.50 to 119.50): VN050782.D (-1904) (-)
Ion 120.80 (120.50 to 121.50): VN050782.D (-1904) (-)





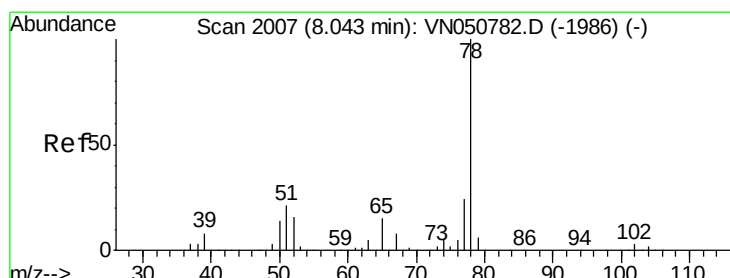
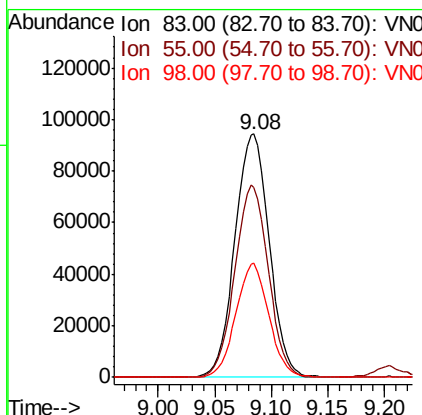
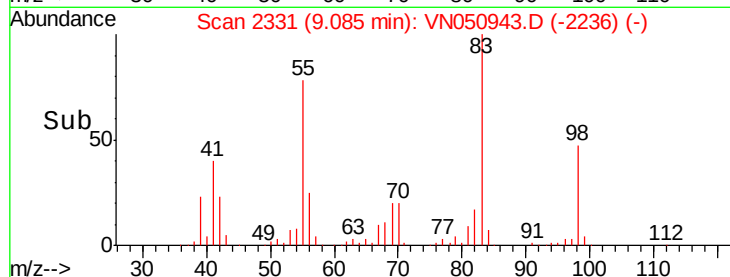
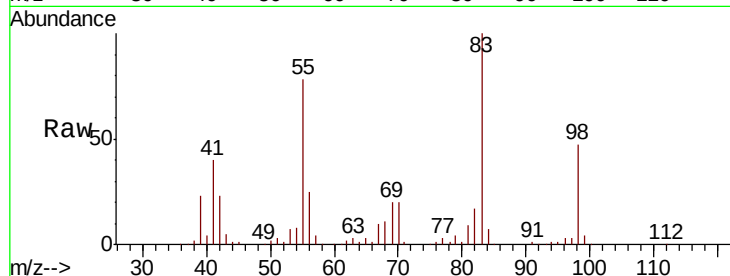
#39
Methylvlcyclohexane
Concen: 17.752 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199825		
55	78.2		61.0	91.4
98	46.9		37.5	56.3

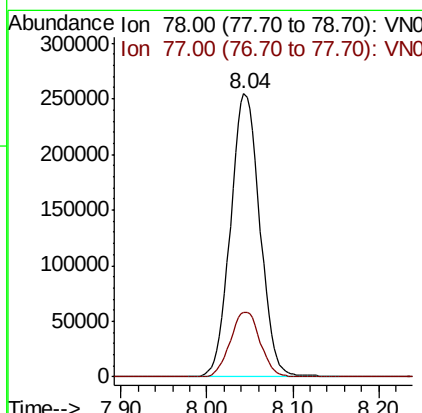
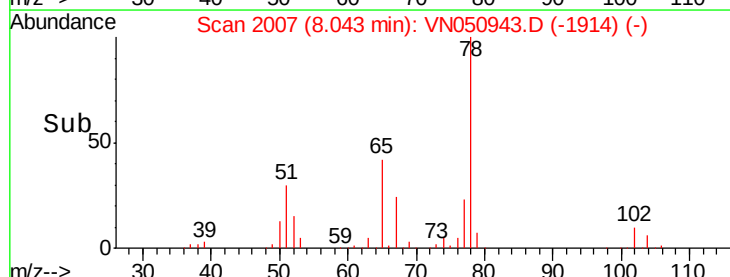
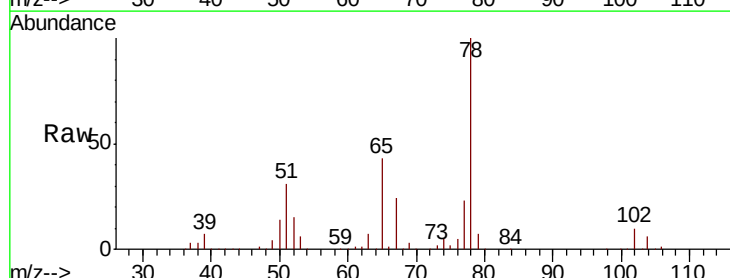
Manual Integrations
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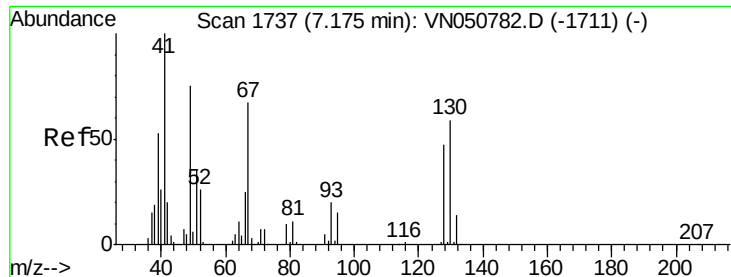
MMDadoda
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#40
Benzene
Concen: 19.234 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	603441		
77	22.9		19.0	28.4





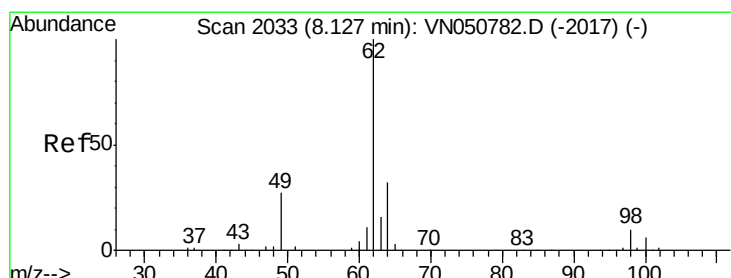
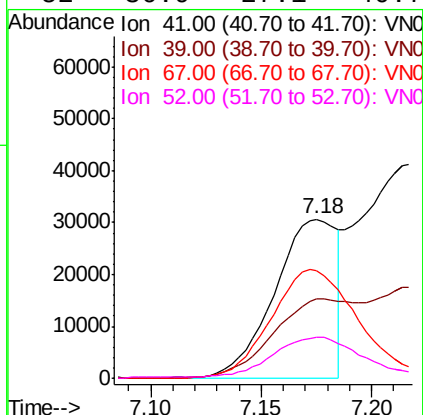
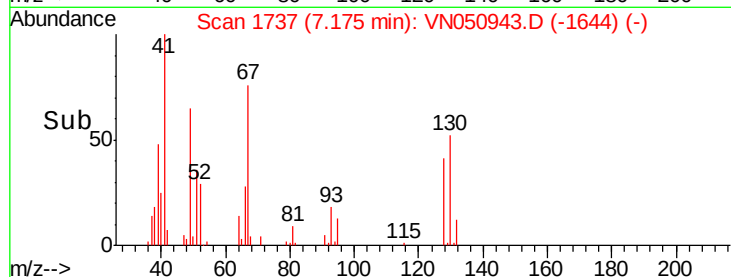
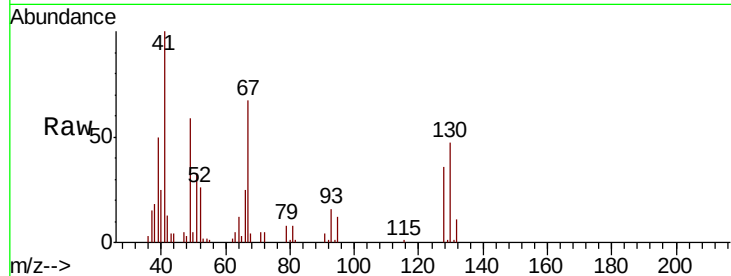
#41
Methacrylonitrile
Concen: 18.573 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.7	45.4	68.0
67	96.4	70.6	106.0
52	36.9	27.1	40.7

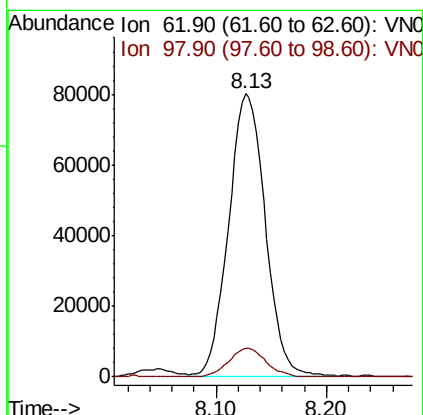
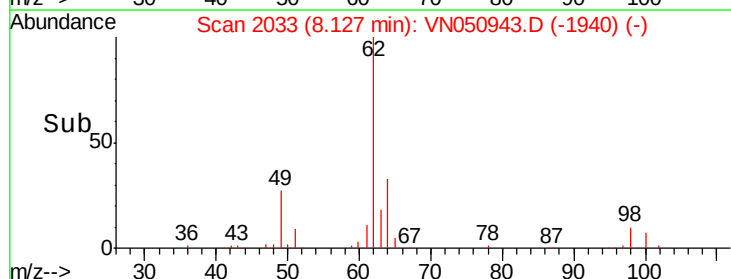
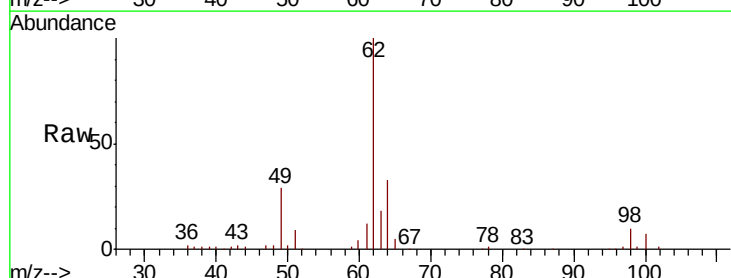
Manual Integrations
APPROVED

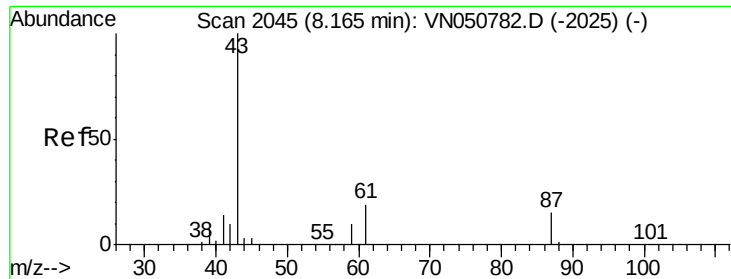
MMDadoda
8/30/2018 11:07:47 AM



#42
1,2-Dichloroethane
Concen: 19.626 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.6





#43

Isopropyl Acetate

Concen: 22.851 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

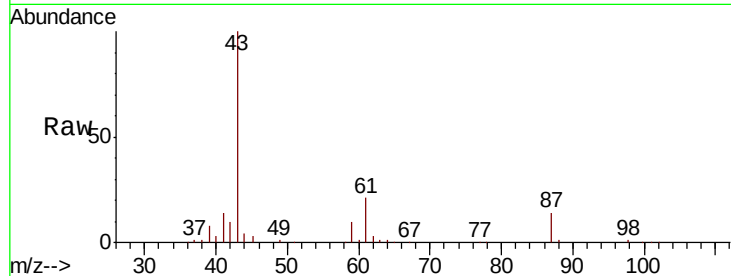
ClientSampleId :

VN0829WBSD01

Tot Ion:	43	Resp:	234816
Ion	Ratio	Lower	Upper
43	100		
61	28.7	17.5	26.3#
87	13.4	11.3	16.9

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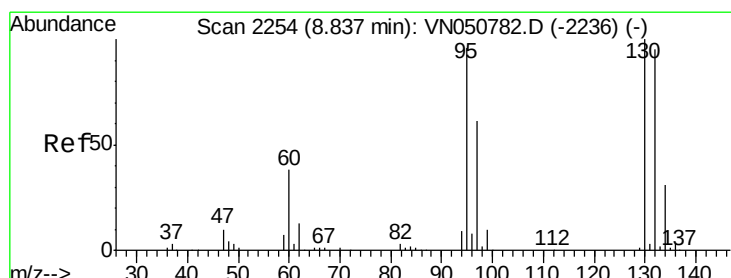
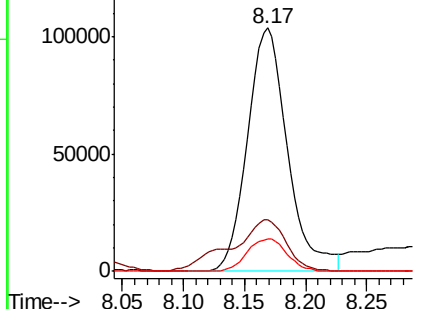
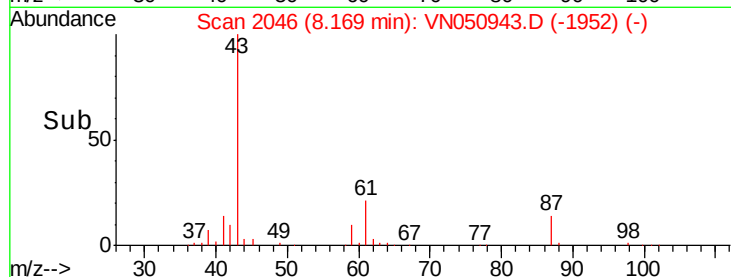


Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)

Time-->



#44

Trichloroethene

Concen: 18.667 ug/l

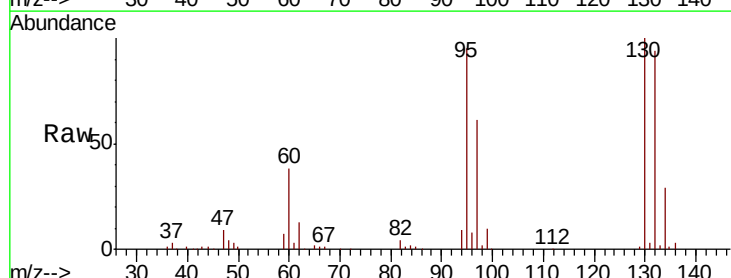
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

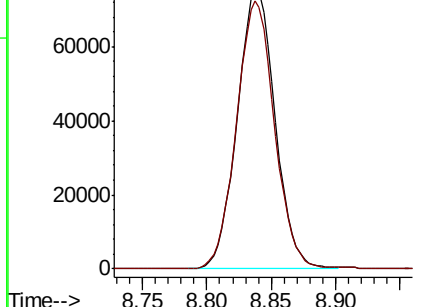
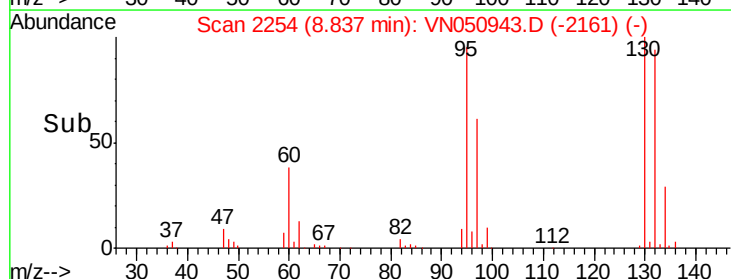
Tgt Ion:	130	Resp:	154463
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	193.0

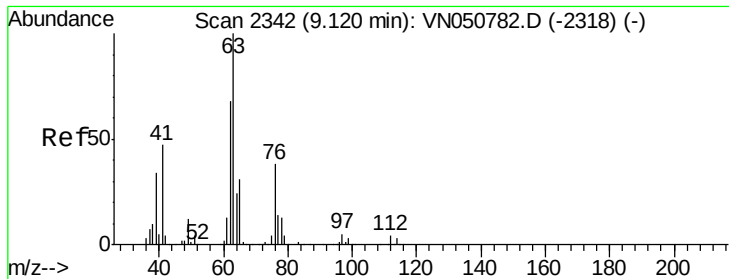


Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.281 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 63 Resp: 158985

Ion Ratio Lower Upper

63 100

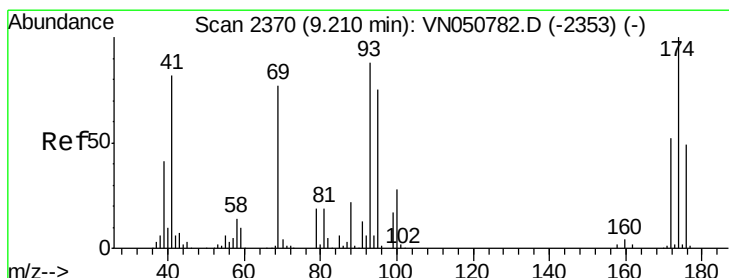
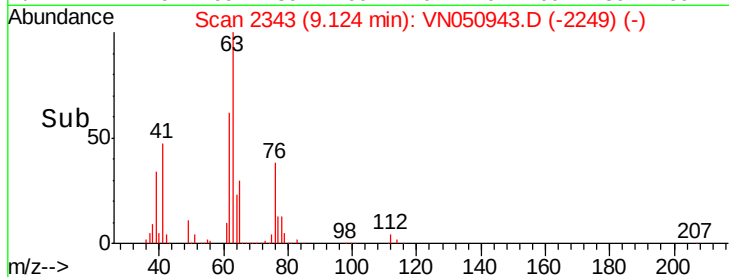
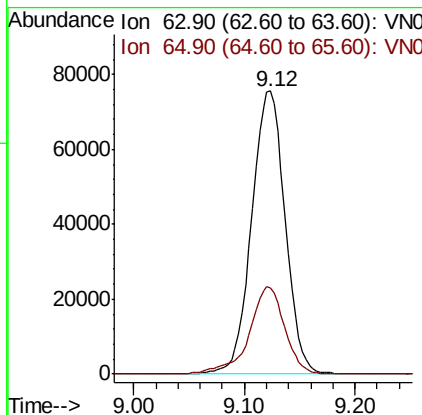
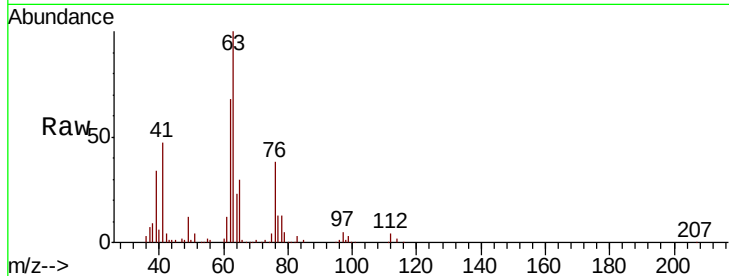
65 30.2 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.459 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

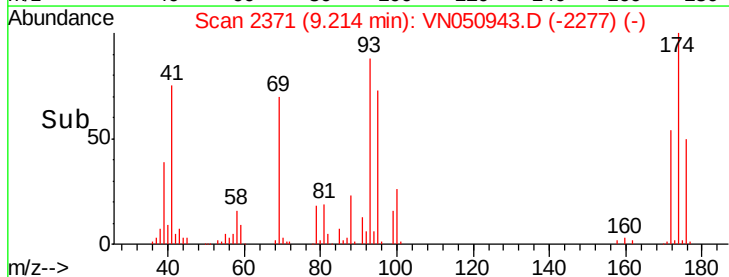
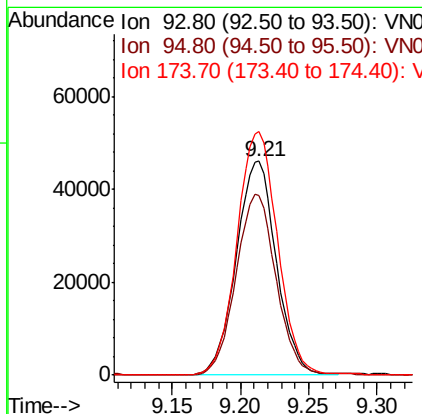
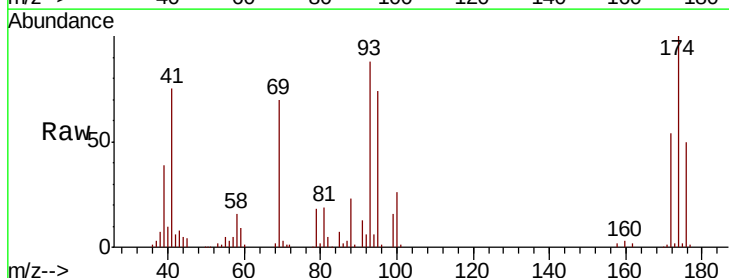
Tgt Ion: 93 Resp: 94278

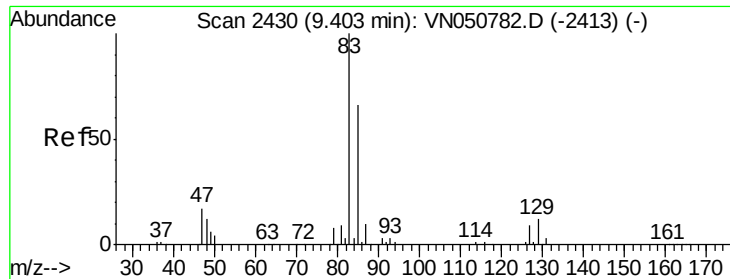
Ion Ratio Lower Upper

93 100

95 84.5 66.7 100.1

174 115.5 89.8 134.6





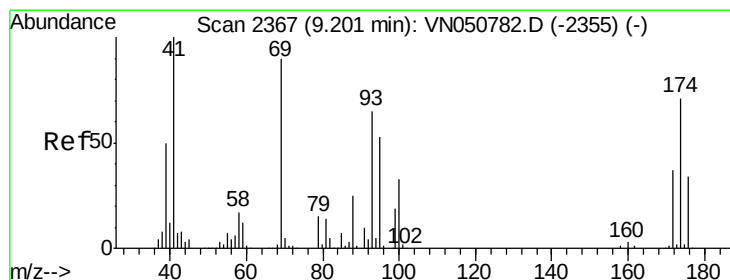
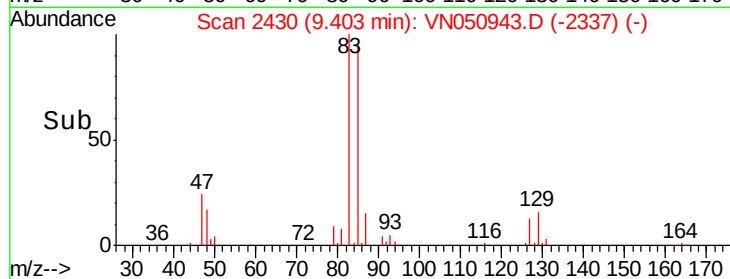
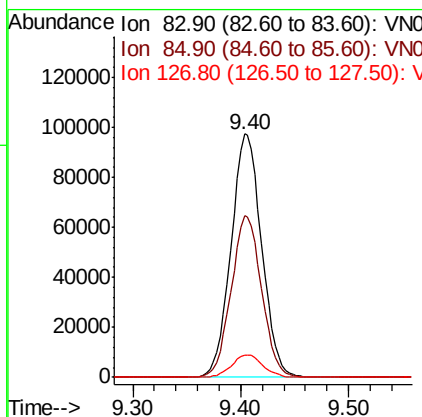
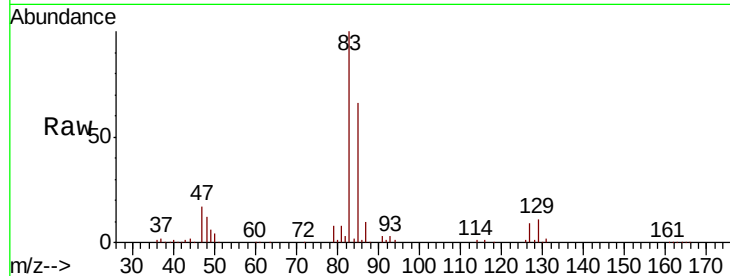
#47
Bromodichloromethane
Concen: 19.008 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	83	Resp	192897
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	52.6	78.8
127	9.0	7.2	10.8

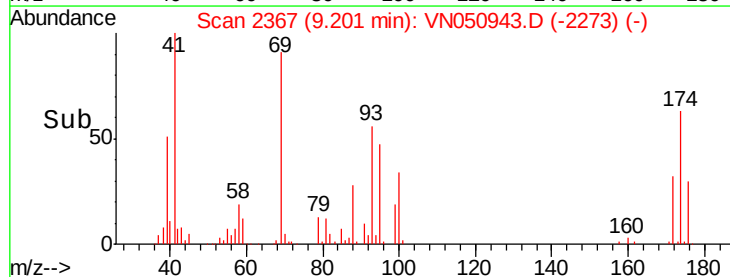
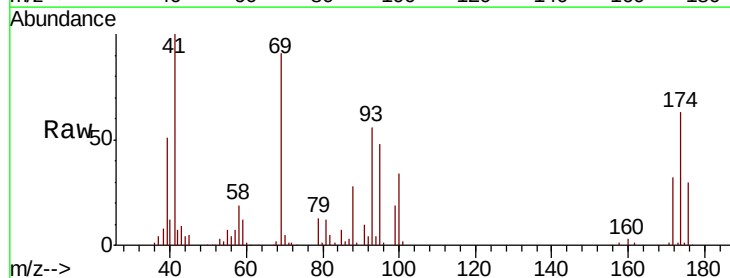
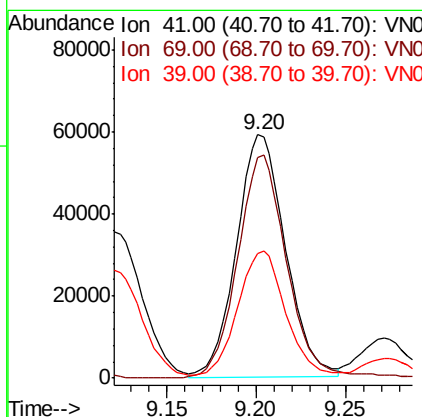
Manual Integrations
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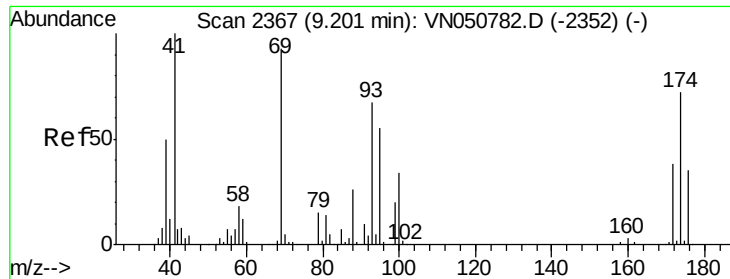
MMDadoda
8/30/2018 11:07:47 AM



#48
Methyl methacrylate
Concen: 21.644 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	41	Resp	113352
Ion Ratio	100	Lower	Upper
41	100		
69	91.8	74.7	112.1
39	51.8	42.2	63.2





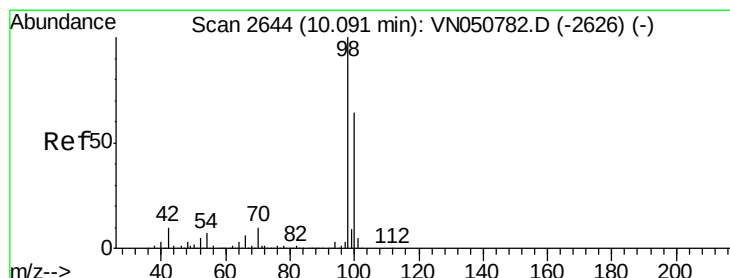
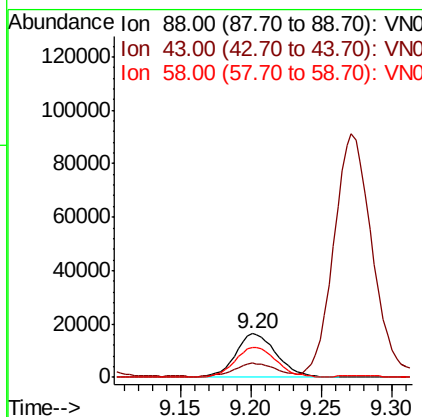
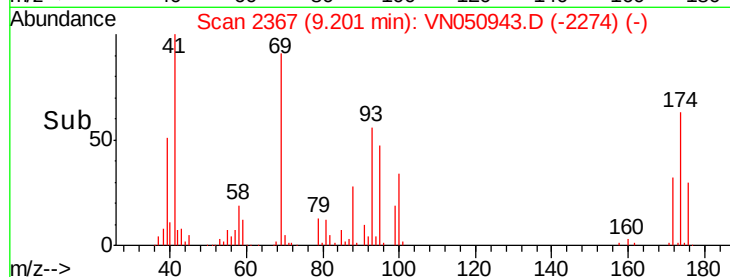
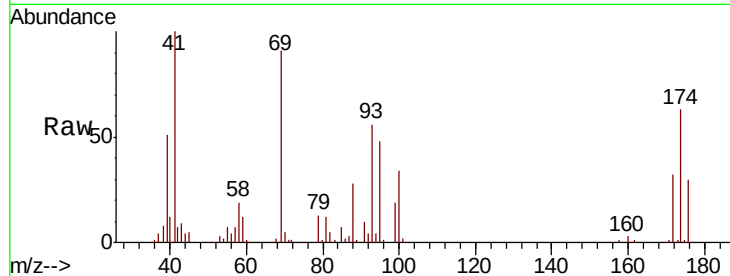
#49
 1,4-Dioxane
 Concen: 467.438 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	88	Resp	33372
Ion	Ratio	Lower	Upper
88	100		
43	30.2	25.9	38.9
58	69.5	55.0	82.4

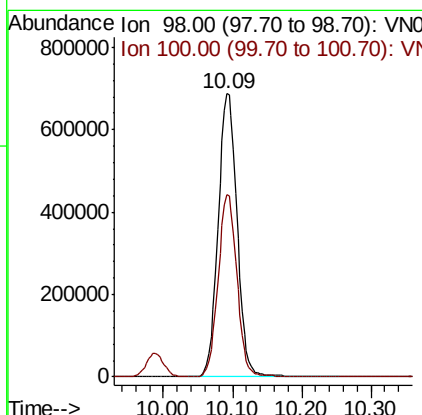
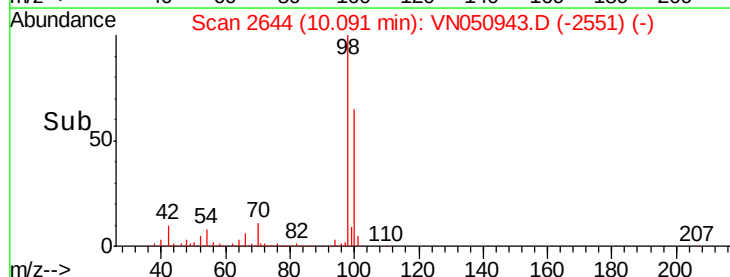
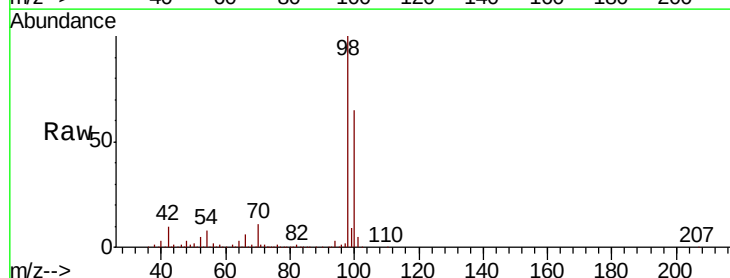
Manual Integrations
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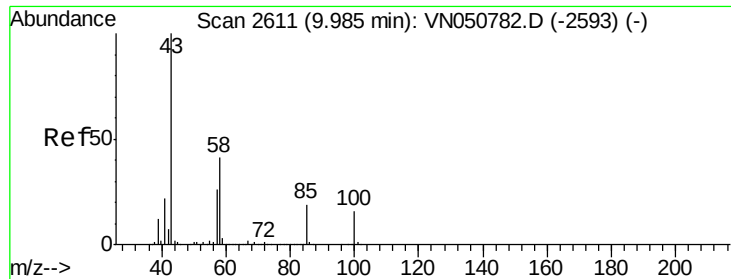
MMDadoda
 8/30/2018 11:07:47 AM



#50
 Toluene-d8
 Concen: 49.715 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	98	Resp	1303763
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3





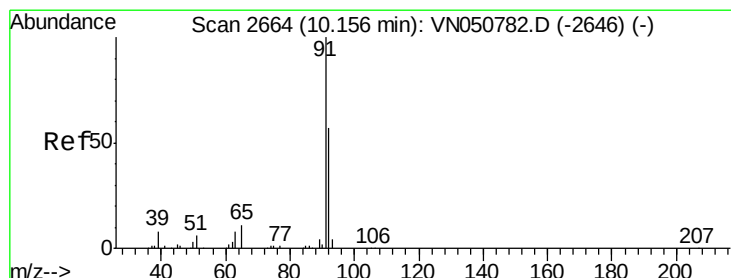
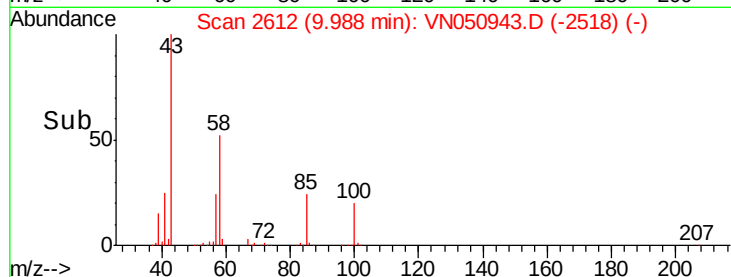
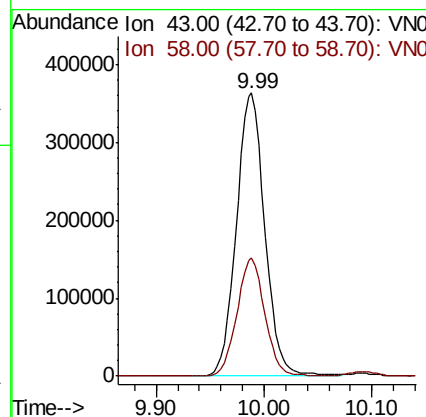
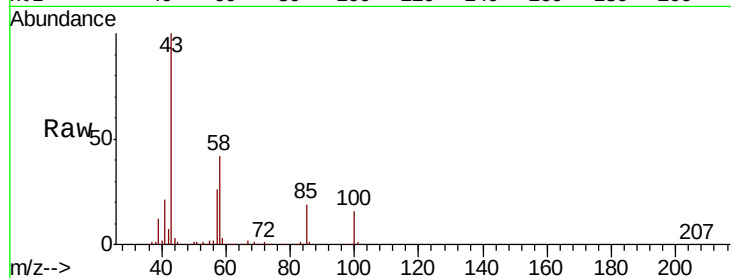
#51
 4-Methyl-2-Pentanone
 Concen: 108.398 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	32.4	48.6

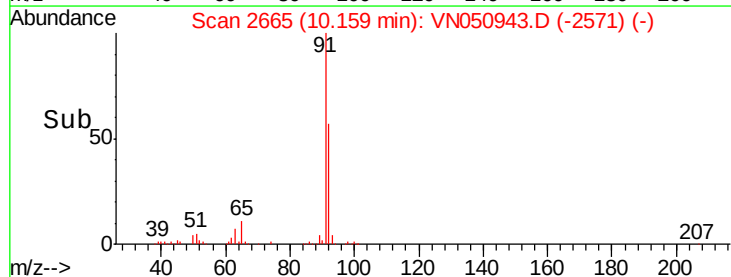
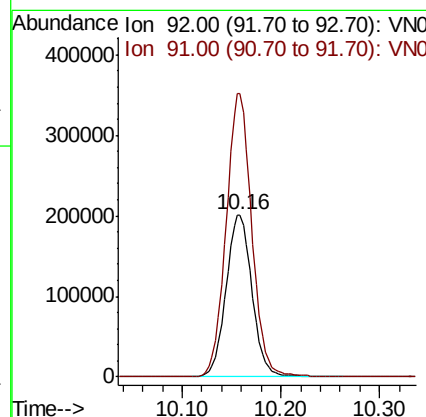
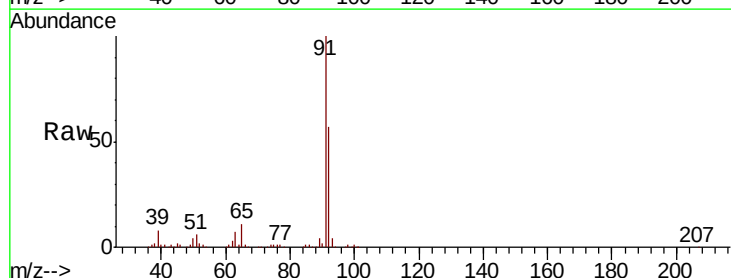
Manual Integrations
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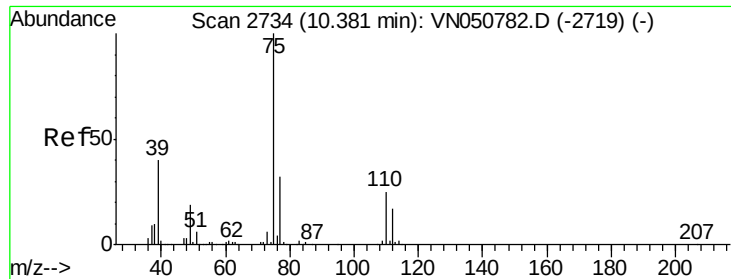
MMDadoda
 8/30/2018 11:07:47 AM



#52
 Toluene
 Concen: 20.037 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.2	140.6	211.0





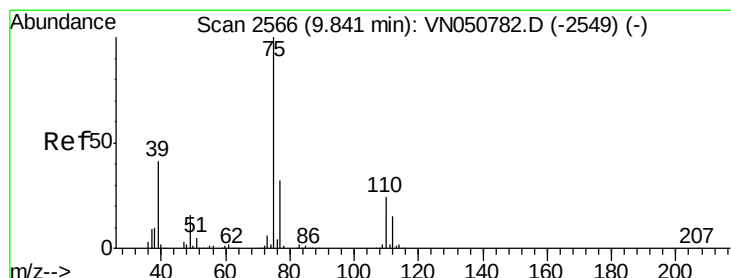
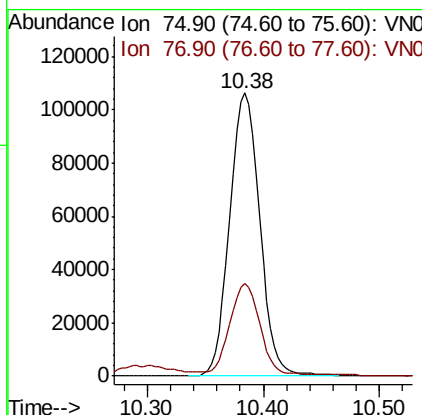
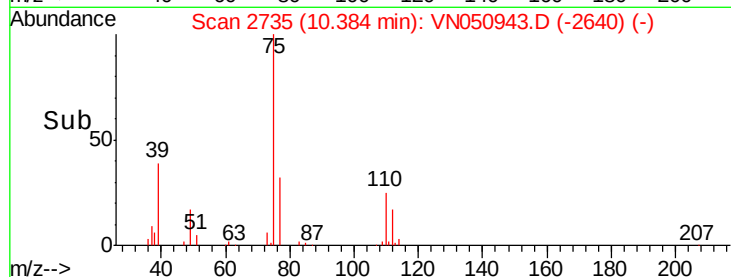
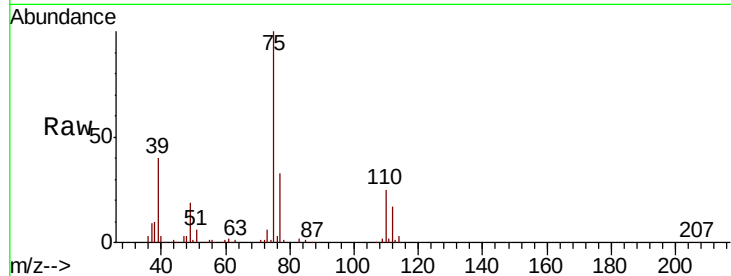
#53
t-1,3-Dichloropropene
Concen: 18.938 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion	75	Resp	191284
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.7	38.5

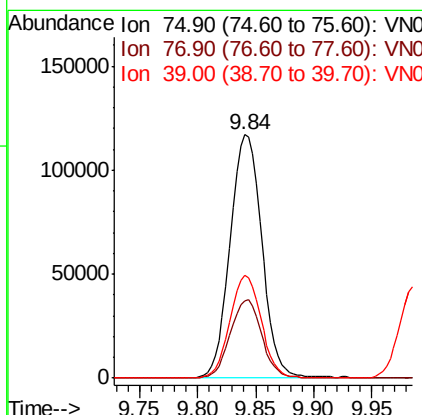
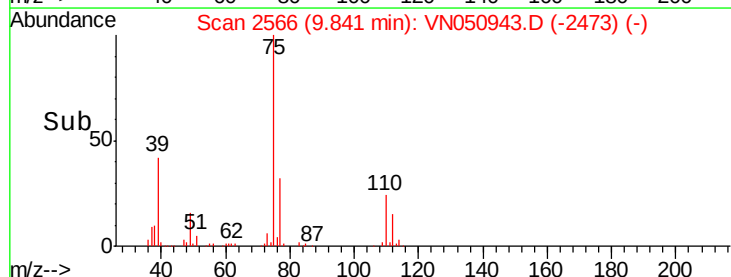
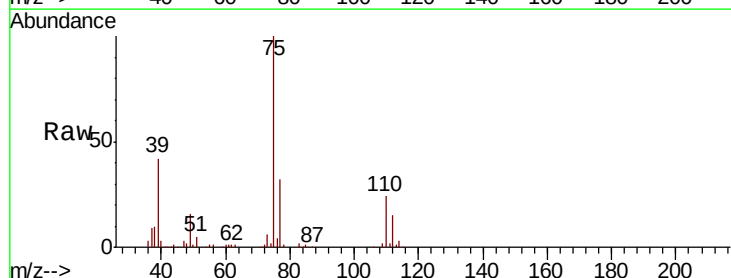
Manual Integrations
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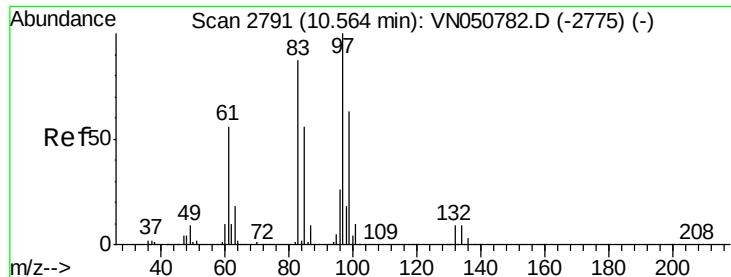
MMDadoda
8/30/2018 11:07:47 AM



#54
cis-1,3-Dichloropropene
Concen: 19.218 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	75	Resp	222285
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.4	38.2
39	41.9	33.0	49.4





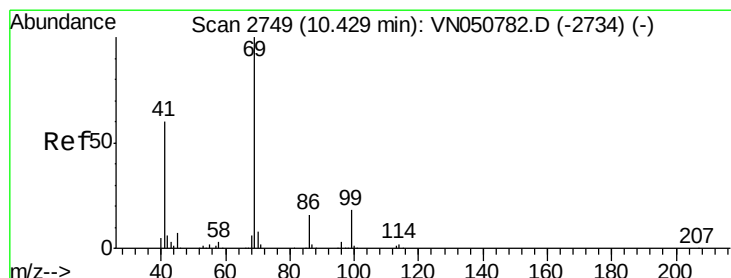
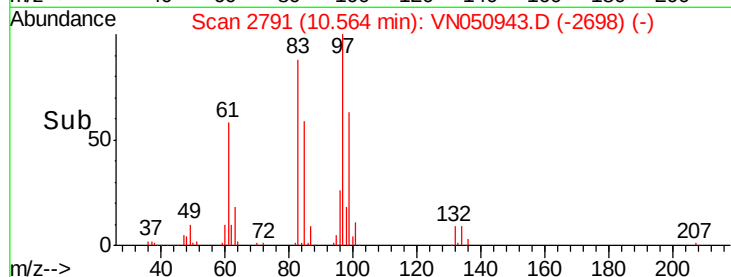
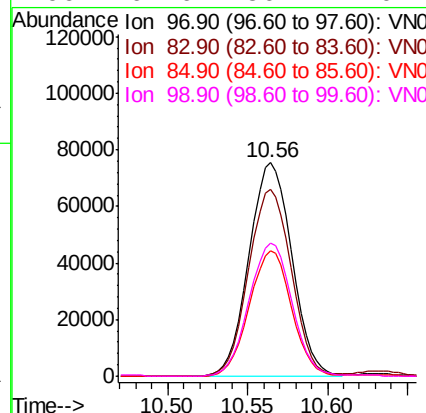
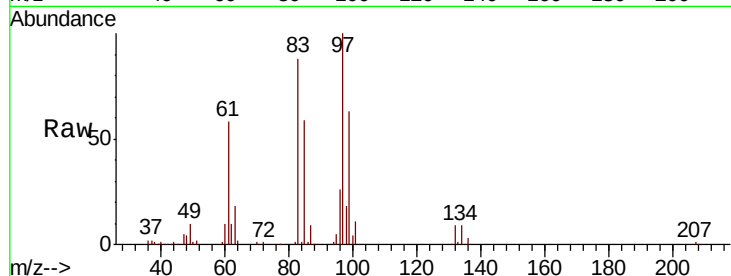
#55
 1,1,2-Trichloroethane
 Concen: 20.074 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.7	104.5
85	58.6	44.5	66.7
99	62.6	50.7	76.1

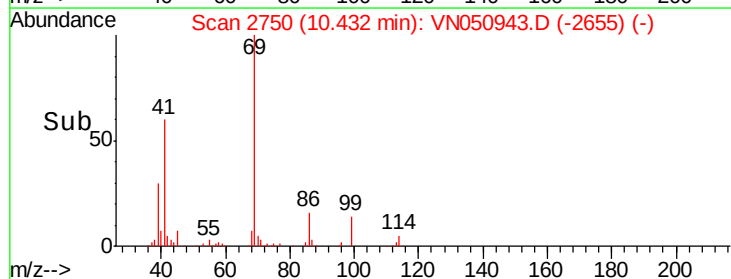
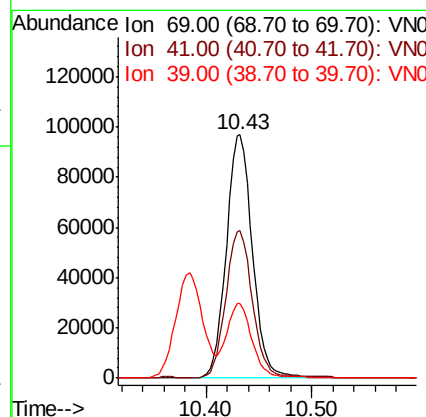
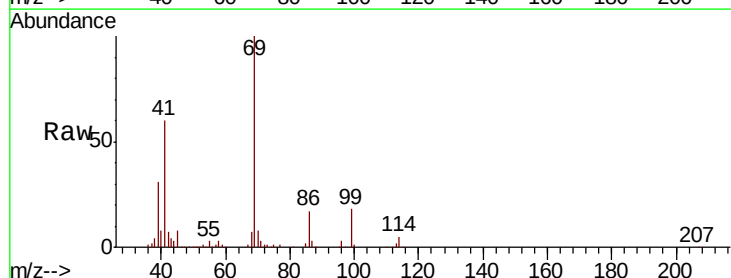
Manual Integrations
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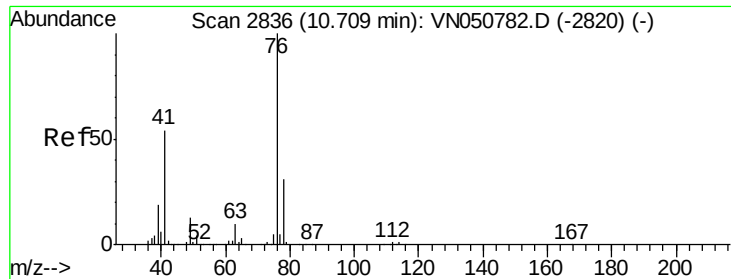
MMDadoda
 8/30/2018 11:07:47 AM



#56
 Ethyl methacrylate
 Concen: 19.991 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.3	72.5
39	29.9	24.0	36.0





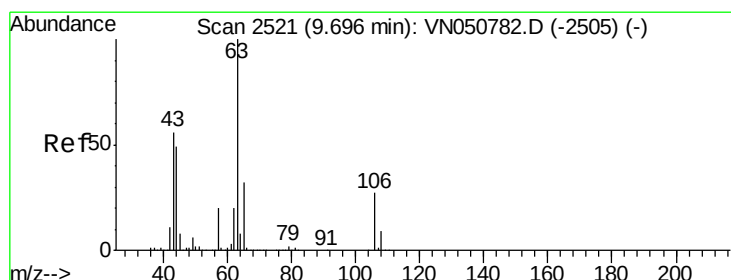
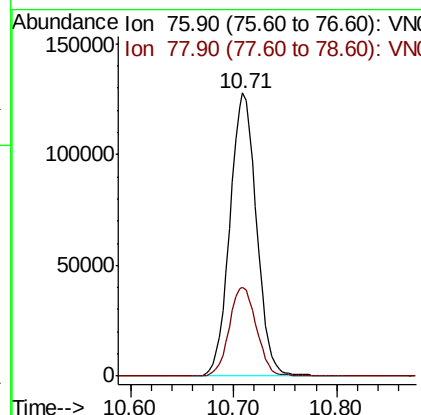
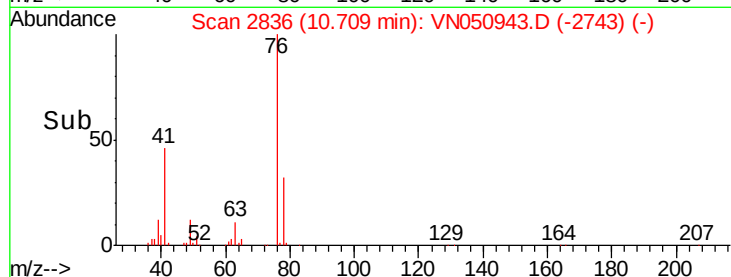
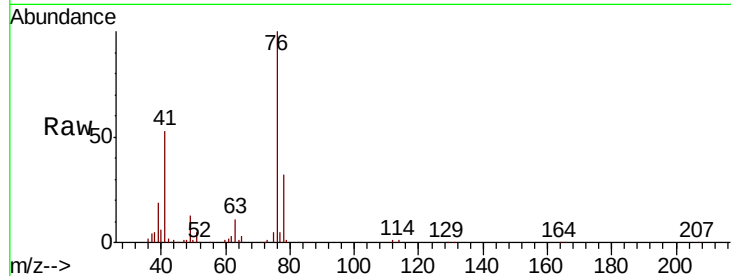
#57
 1,3-Dichloropropane
 Concen: 20.199 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

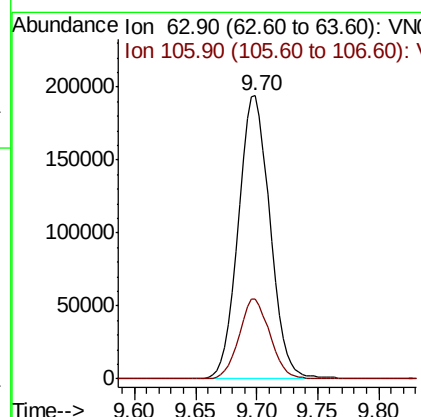
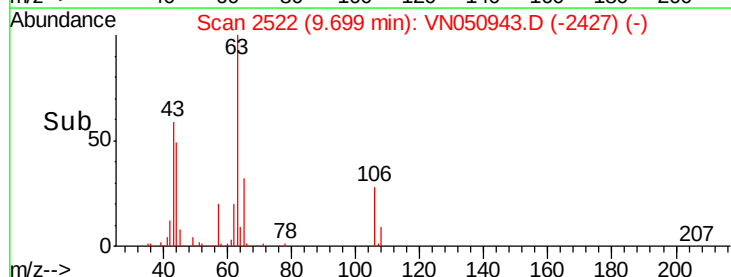
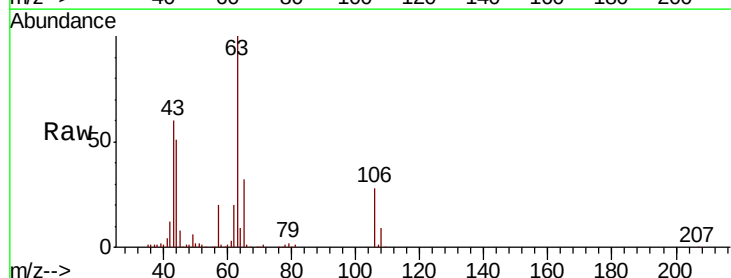
Manual Integrations
 APPROVED

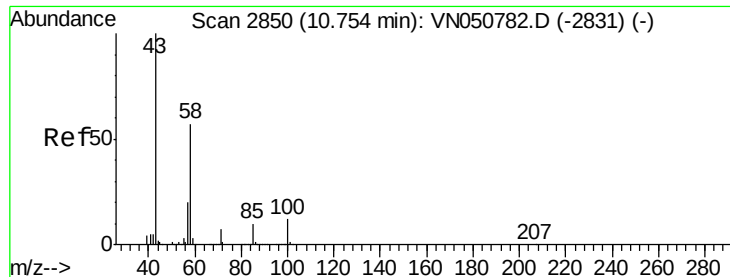
MMDadoda
 8/30/2018 11:07:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.291 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





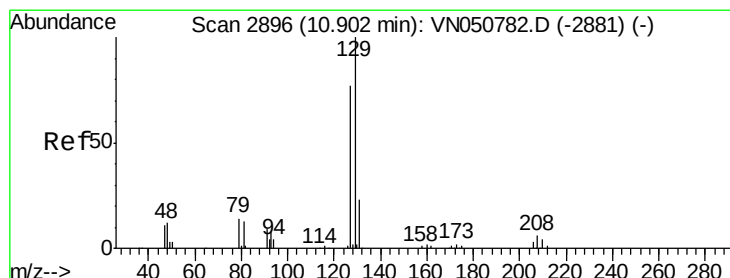
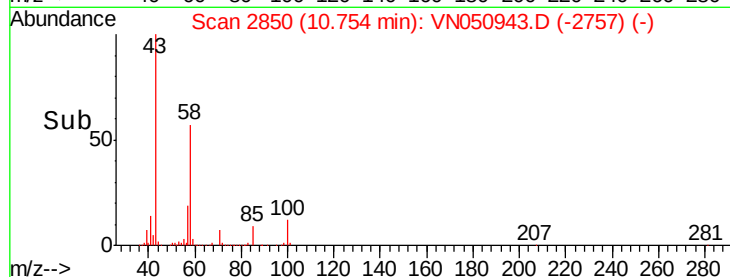
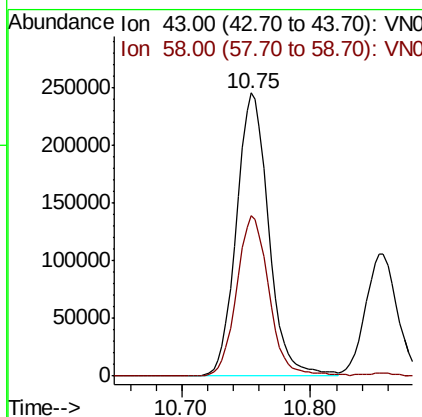
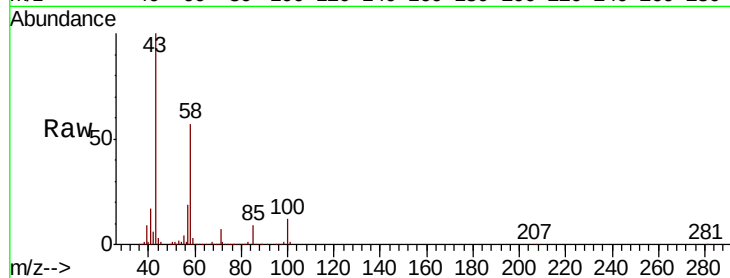
#59
2-Hexanone
Concen: 104.494 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.1	28.3	85.0

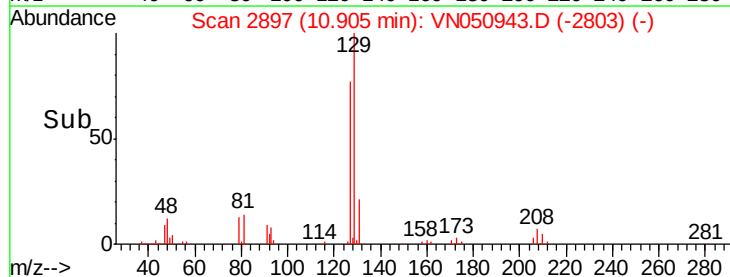
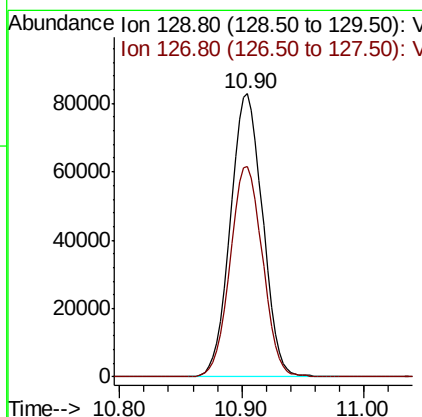
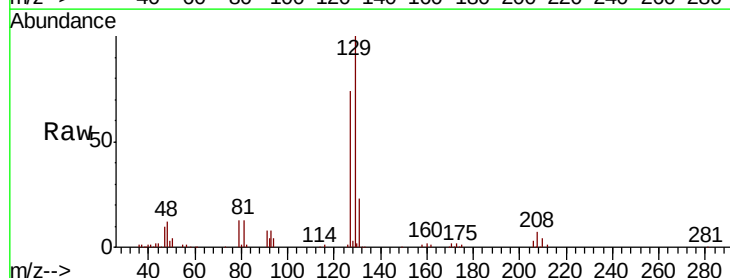
Manual Integrations
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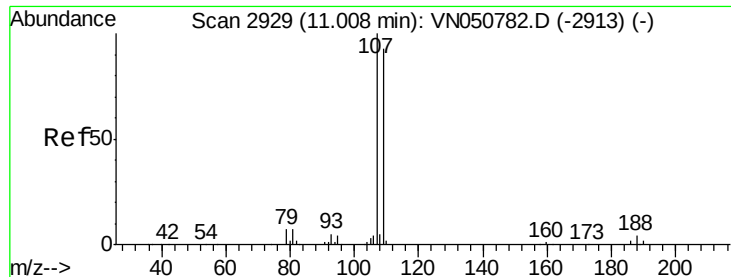
MMDadoda
8/30/2018 11:07:47 AM



#60
Dibromochloromethane
Concen: 19.742 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.8	38.3	114.9





#61

1,2-Dibromoethane

Concen: 20.317 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 107 Resp: 135525

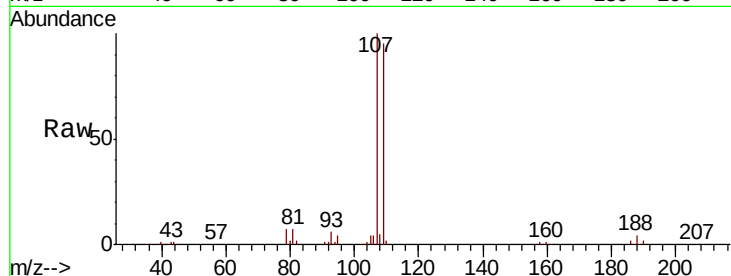
Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

40000

20000

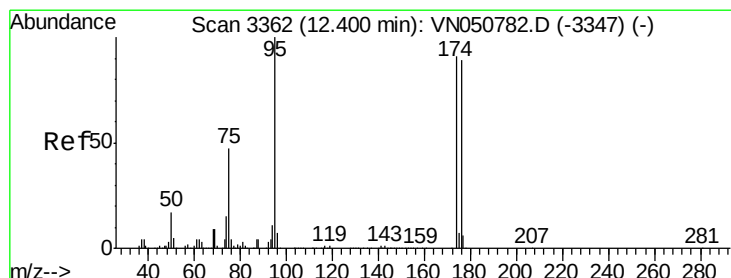
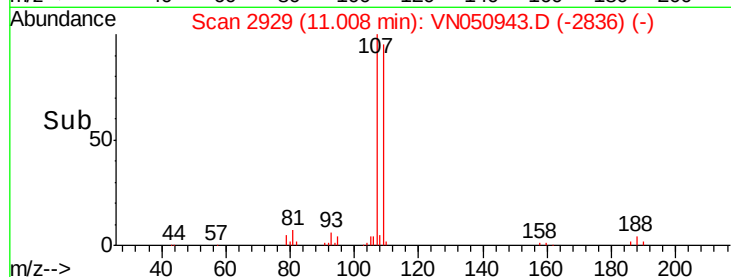
0

11.01

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.404 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

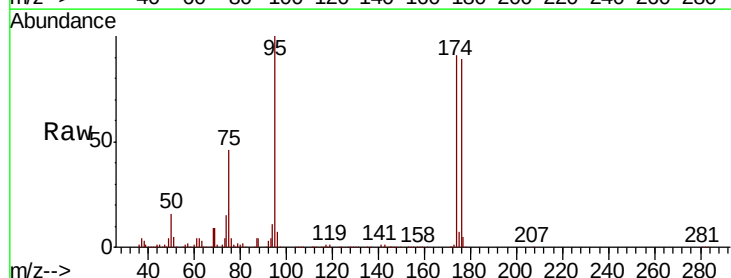
Tgt Ion: 95 Resp: 413109

Ion Ratio Lower Upper

95 100

174 90.8 0.0 183.0

176 87.5 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

200000

100000

0

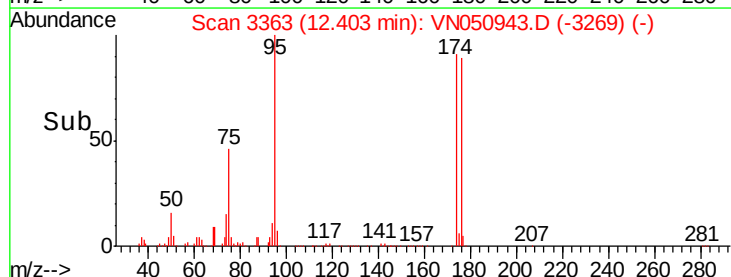
12.40

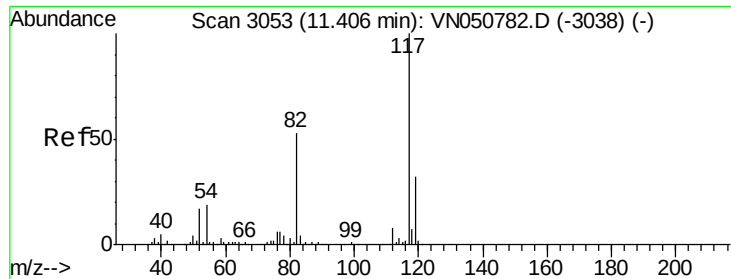
12.35

12.45

12.50

Time-->





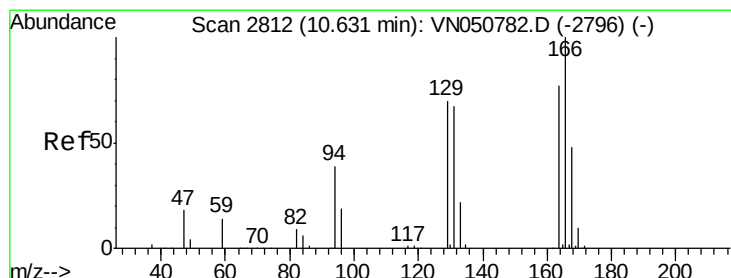
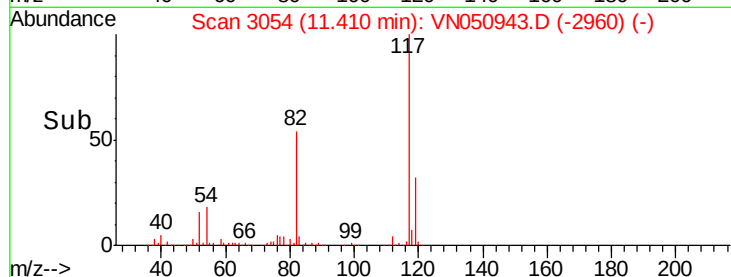
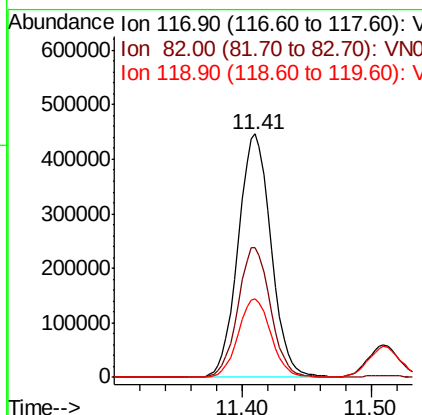
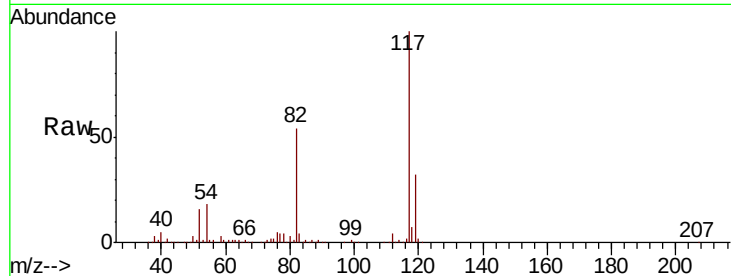
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.6	64.0
119	32.4	25.8	38.6

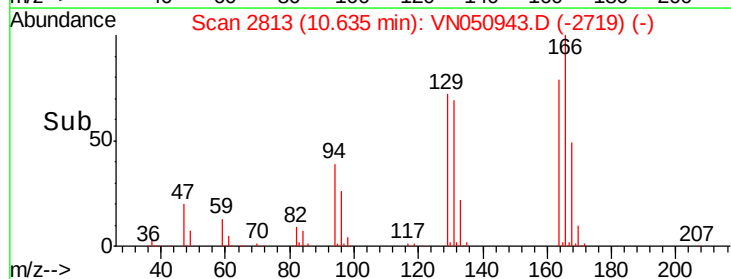
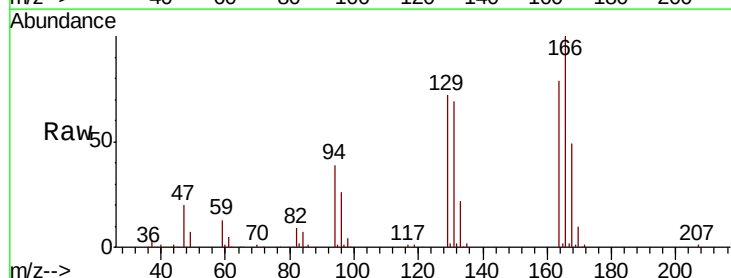
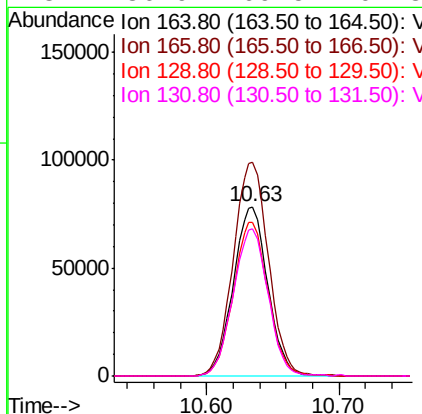
Manual Integrations
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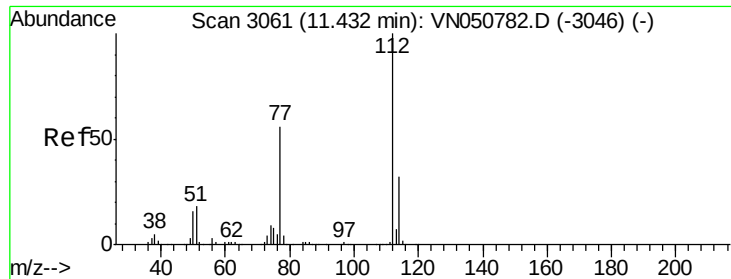
MMDadoda
8/30/2018 11:07:47 AM



#64
Tetrachloroethene
Concen: 18.809 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.5	155.3
129	90.7	72.7	109.1
131	86.9	69.5	104.3





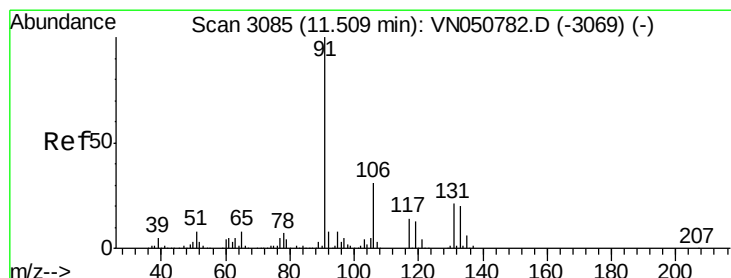
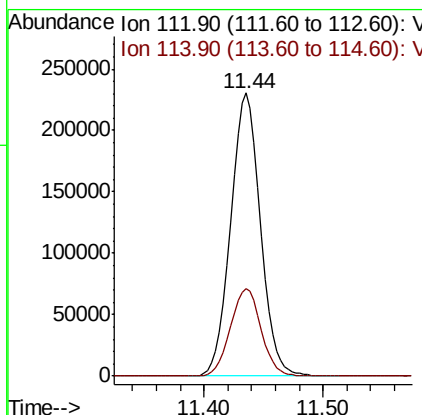
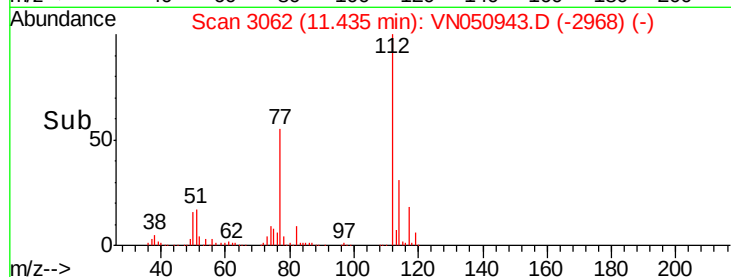
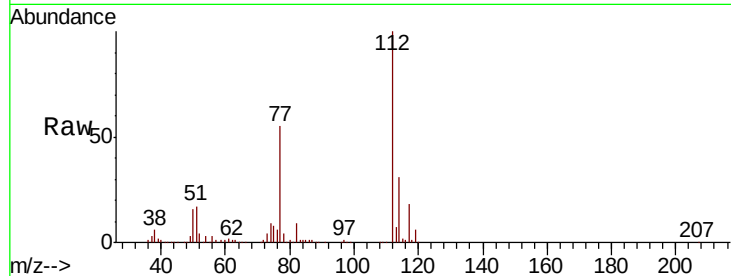
#65
Chlorobenzene
Concen: 19.210 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion:112 Resp: 398190
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4

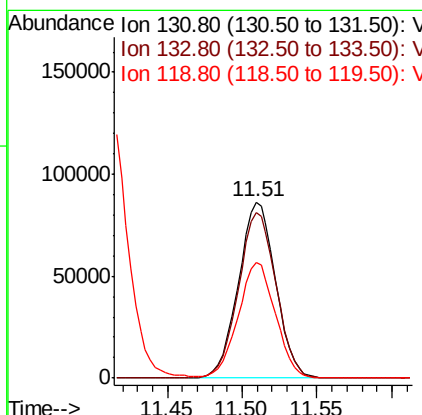
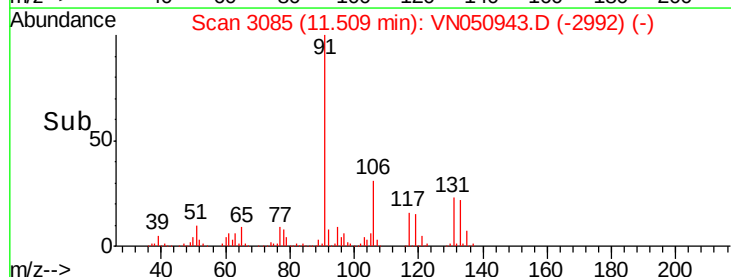
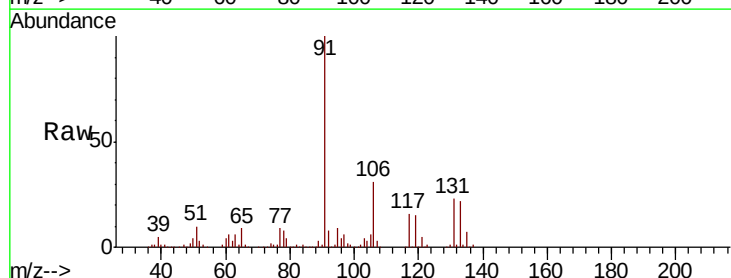
Manual Integrations
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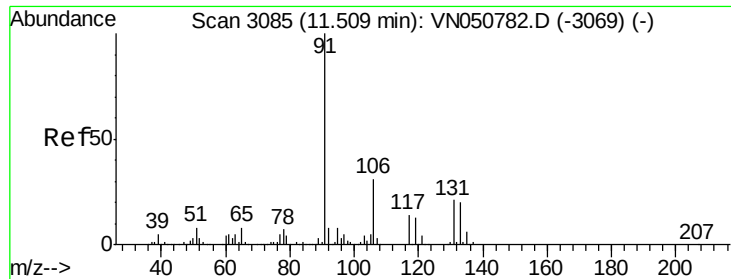
MMDadoda
8/30/2018 11:07:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.663 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion:131 Resp: 149128
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 65.9 32.8 98.4





#67

Ethyl Benzene

Concen: 19.310 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 91 Resp: 650736

Ion Ratio Lower Upper

91 100

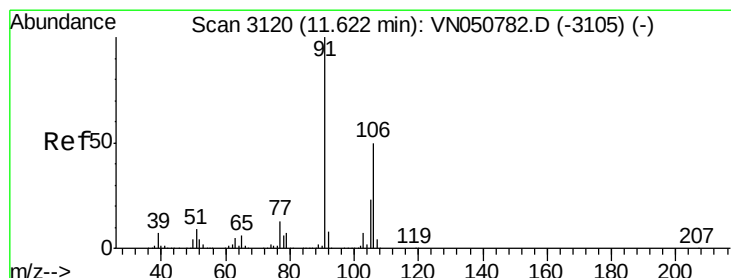
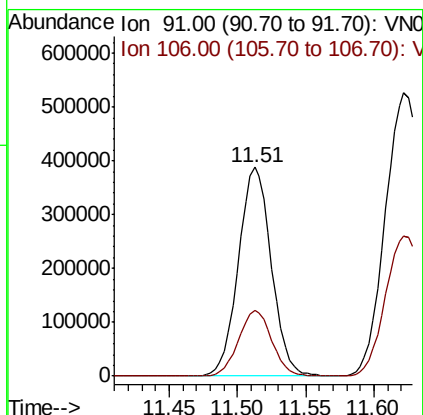
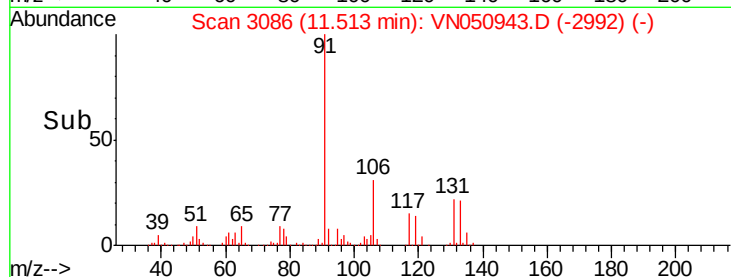
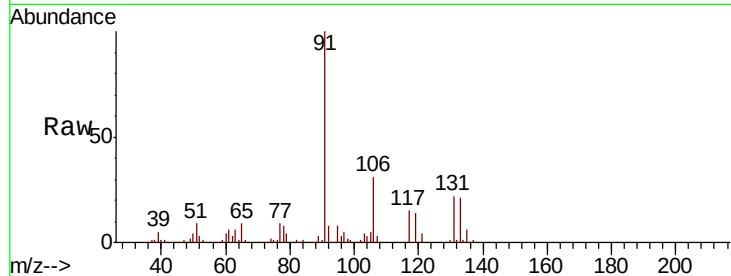
106 31.5 25.0 37.4

Manual Integrations

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8/30/2018 11:07:47 AM



#68

m/p-Xylenes

Concen: 39.876 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050943.D

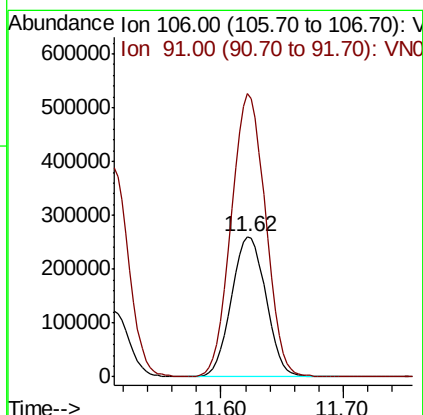
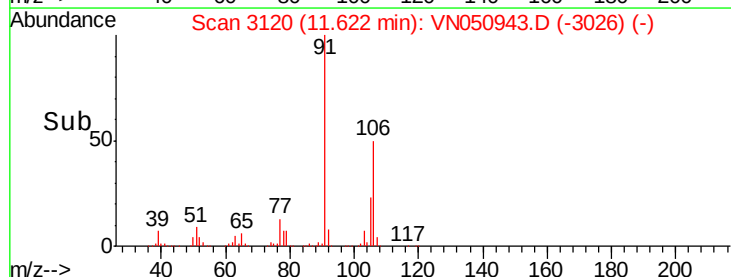
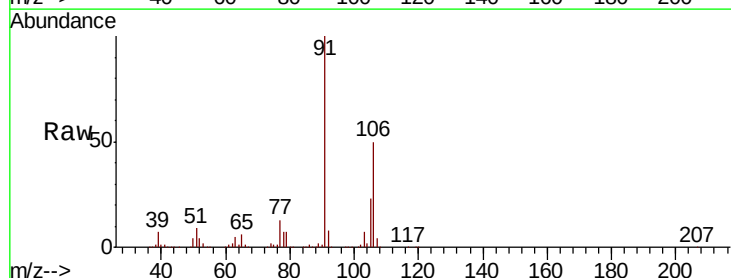
Acq: 29 Aug 2018 12:00

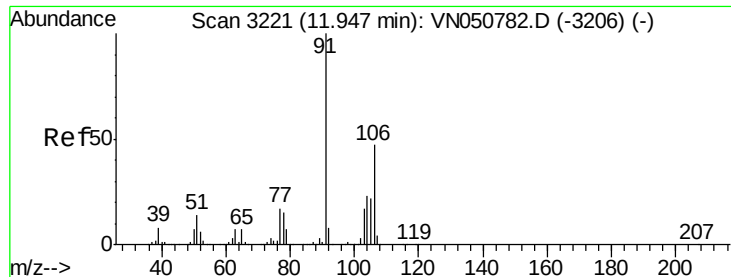
Tgt Ion: 106 Resp: 510051

Ion Ratio Lower Upper

106 100

91 201.2 161.0 241.6





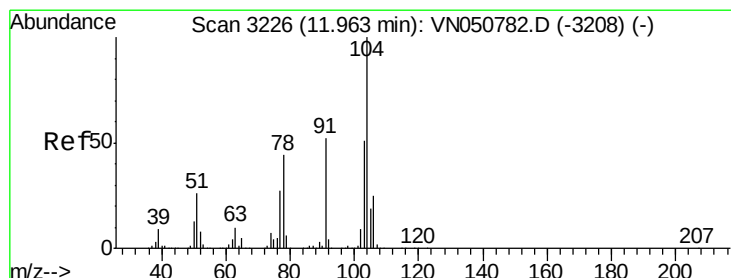
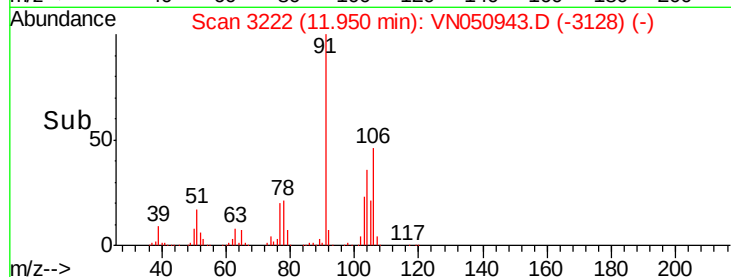
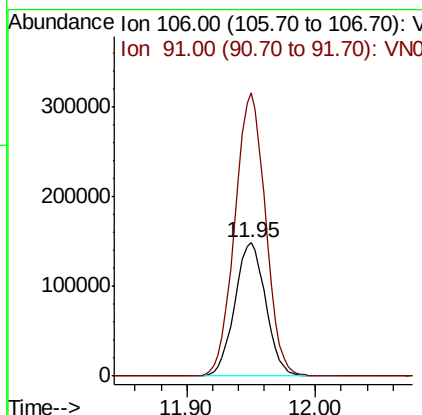
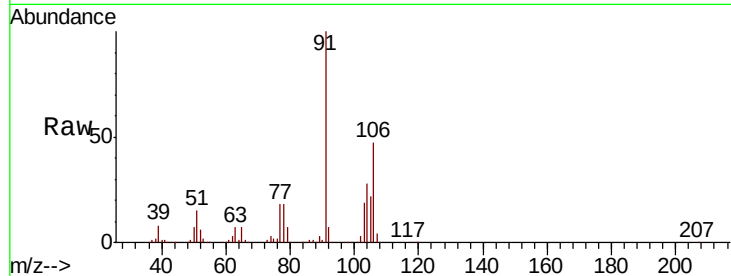
#69
o-Xylene
Concen: 20.148 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	106.5	319.5

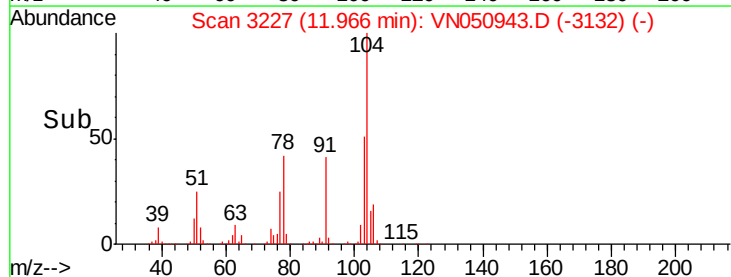
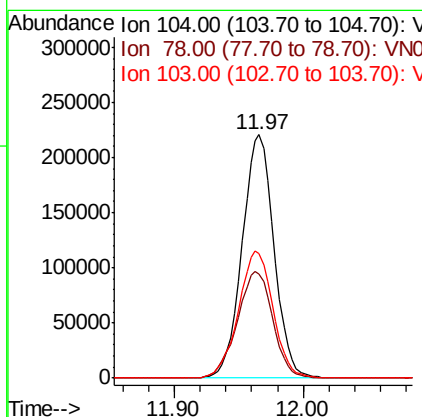
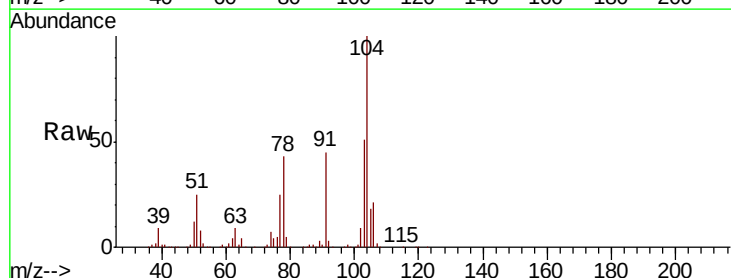
Manual Integrations
APPROVED

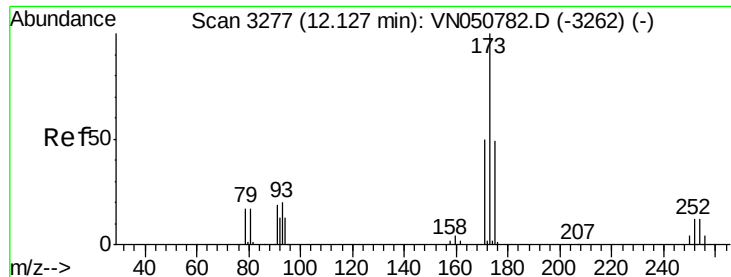
MMDadoda
8/30/2018 11:07:47 AM



#70
Styrene
Concen: 18.340 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.2	57.4
103	56.6	44.4	66.6





#71

Bromoform

Concen: 20.119 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

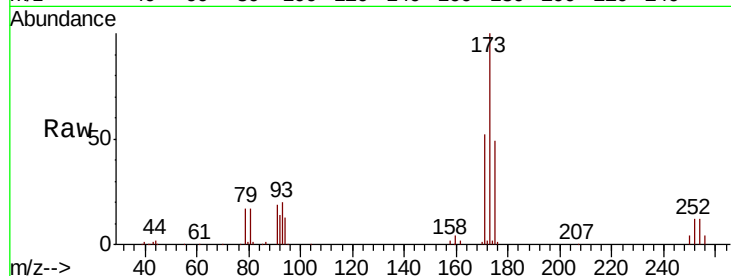
ClientSampleId :

VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.4	73.4
254	0.0	0.1	0.1#

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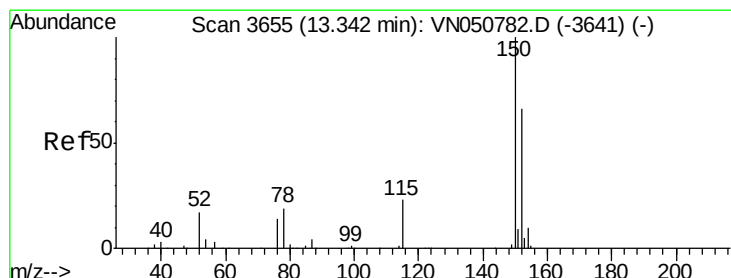
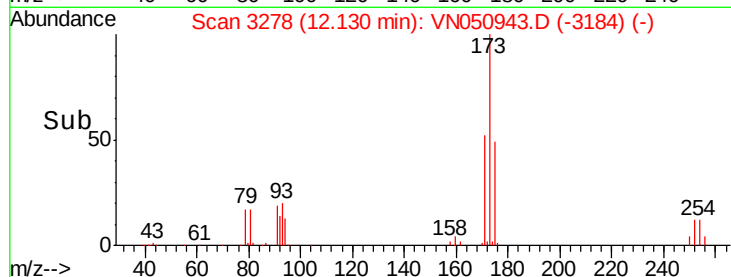
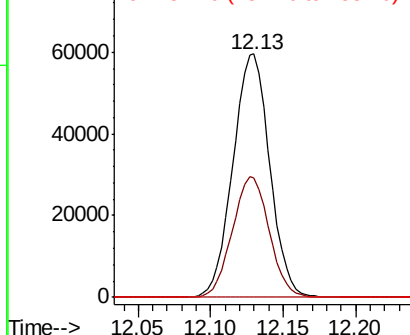


Abundance

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: VN050943.D

Acq: 29 Aug 2018 12:00

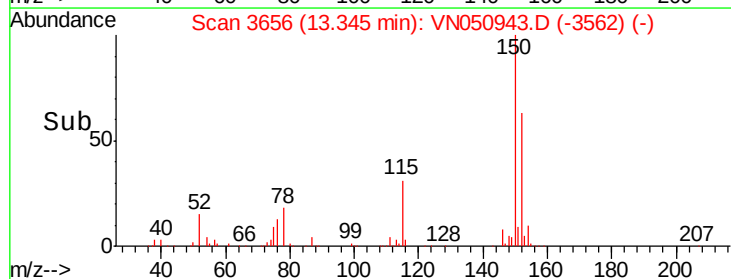
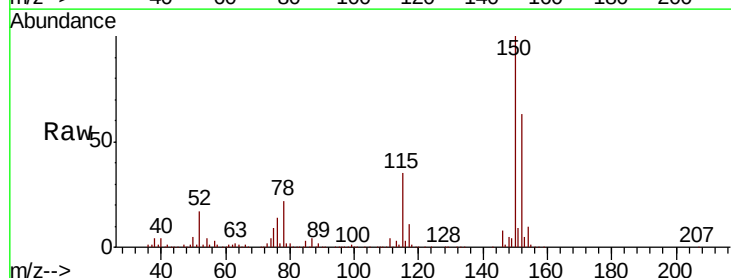
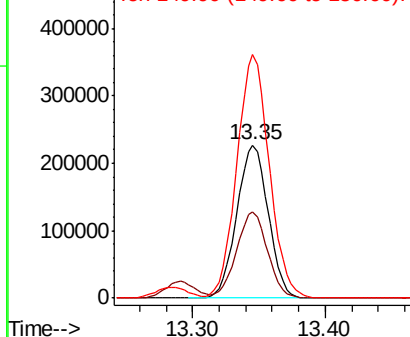
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	164.4	0.0	351.4

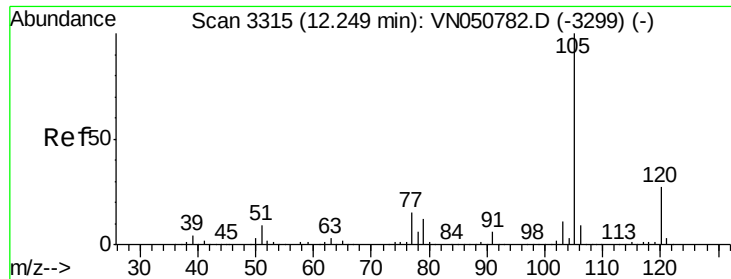
Abundance

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: 20.932 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion:105 Resp: 646954

Ion Ratio Lower Upper

105 100

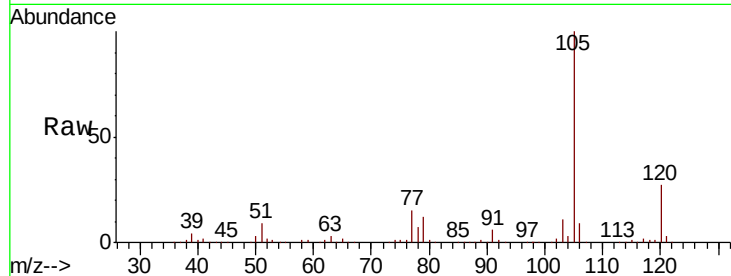
120 27.0 13.5 40.4

Manual Integrations

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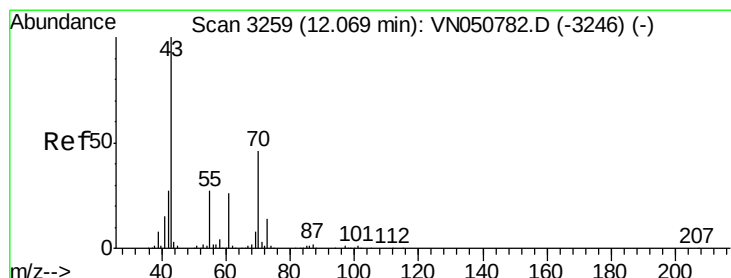
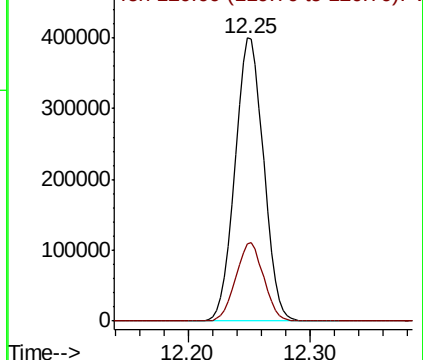
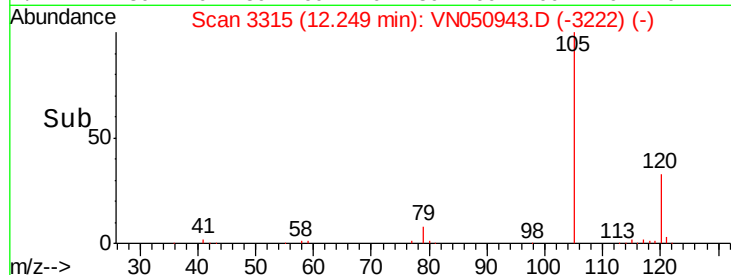
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.605 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion: 43 Resp: 167784

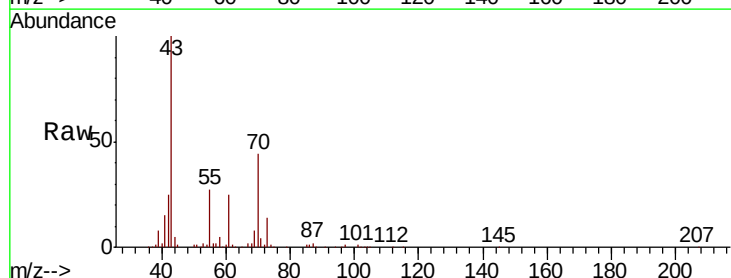
Ion Ratio Lower Upper

43 100

70 44.8 36.2 54.2

55 27.4 21.8 32.8

61 25.7 20.5 30.7

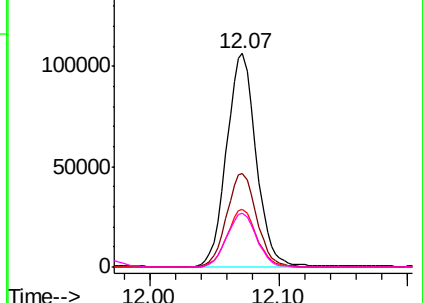
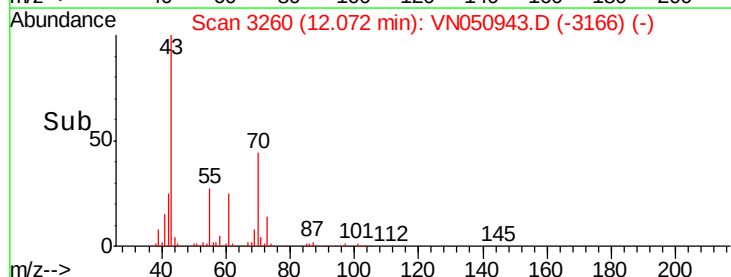


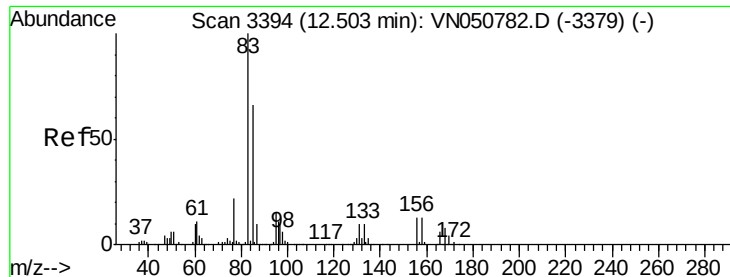
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.770 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

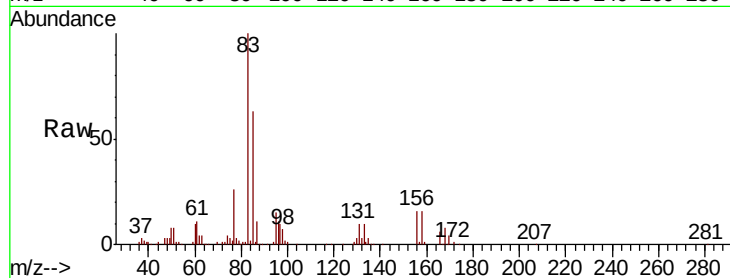
ClientSampleId :

VN0829WBSD01

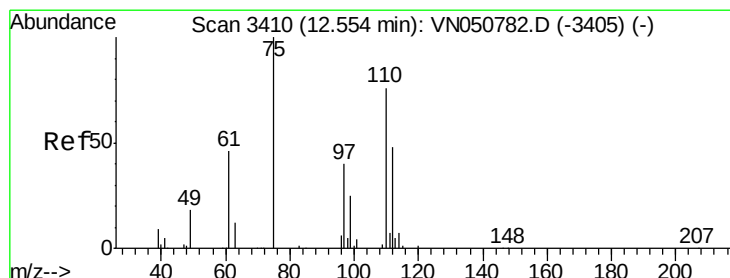
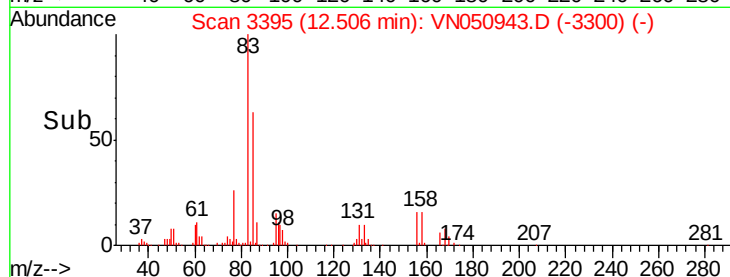
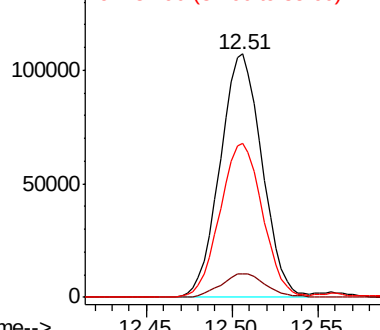
Tot Ion:	83	Resp:	181480
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.1	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 21.017 ug/l m

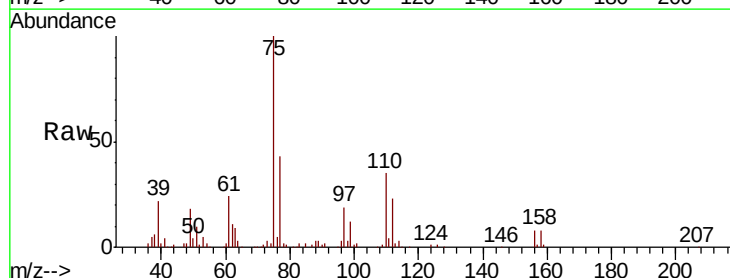
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

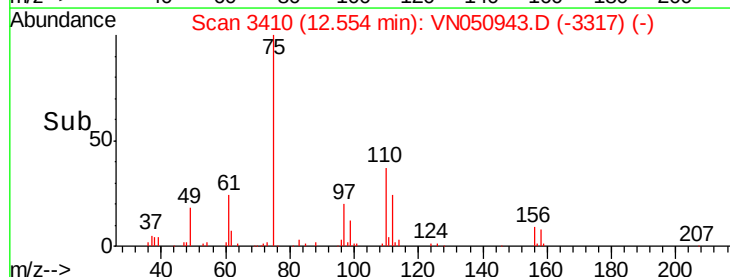
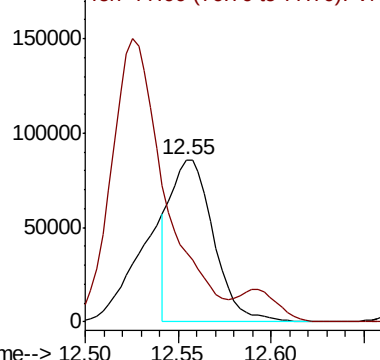
Lab File: VN050943.D

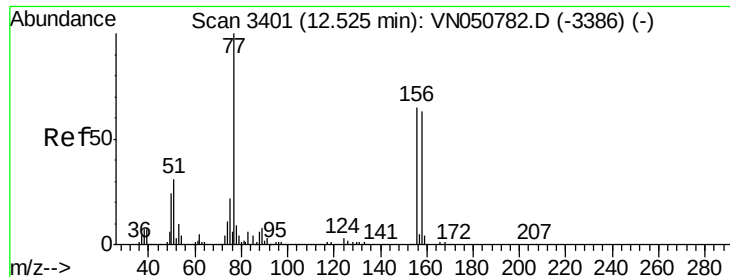
Acq: 29 Aug 2018 12:00

Tgt Ion:	75	Resp:	137400
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 20.113 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

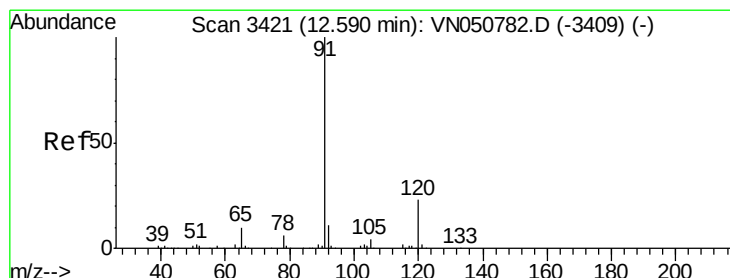
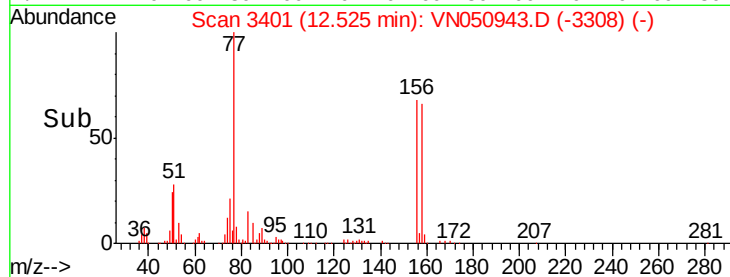
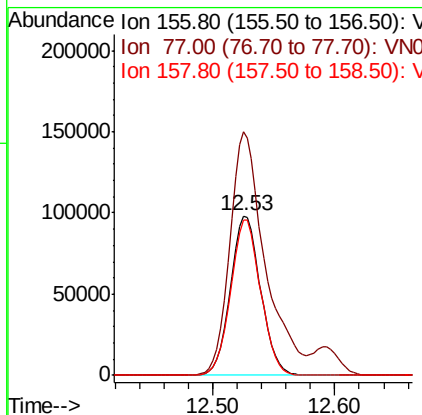
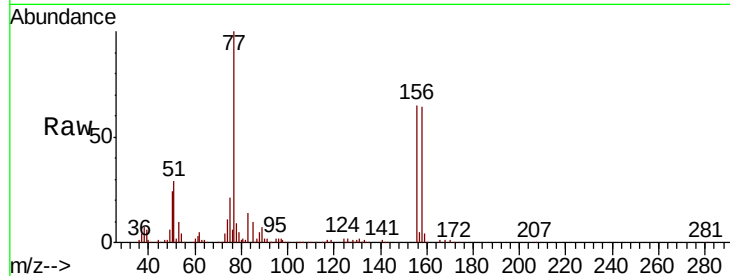
ClientSampleId :

VN0829WBSD01

Tot Ion:	156	Resp:	168947
Ion Ratio	Lower	Upper	
156	100		
77	179.3	89.9	269.7
158	96.8	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.507 ug/l

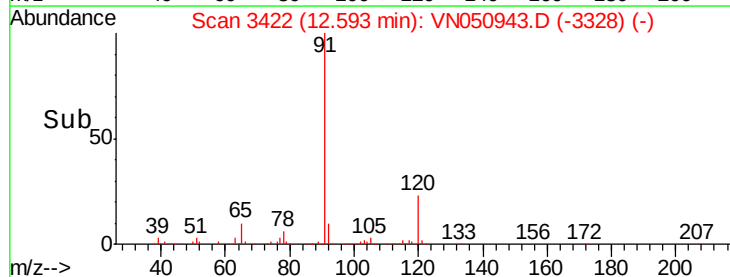
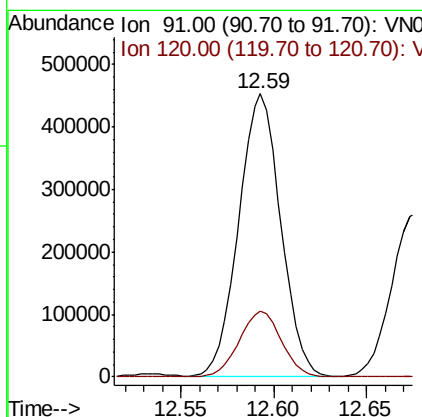
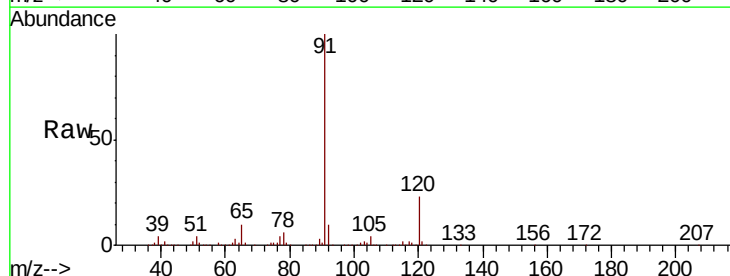
RT: 12.59 min Scan# 3422

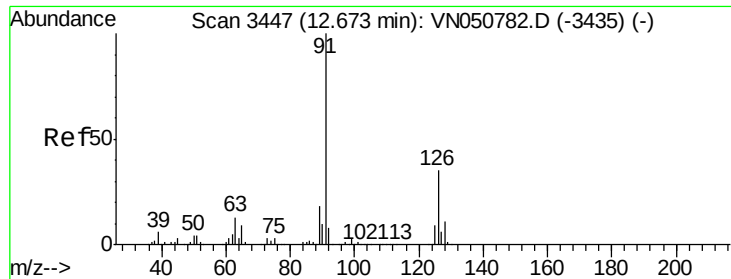
Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion:	91	Resp:	708041
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





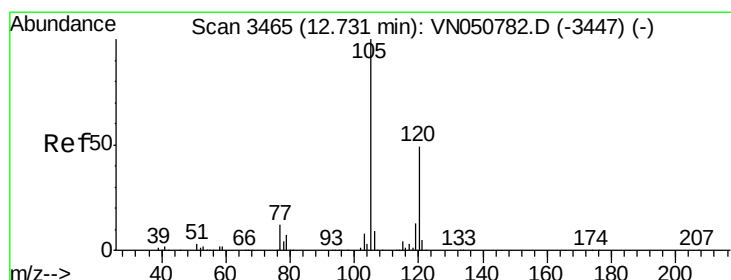
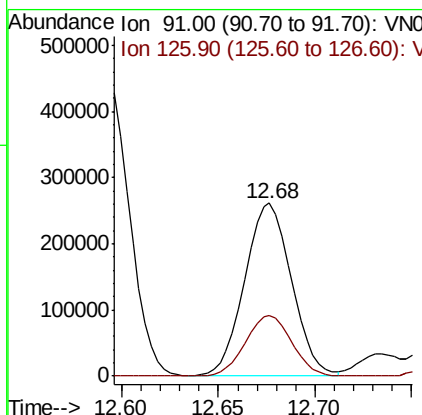
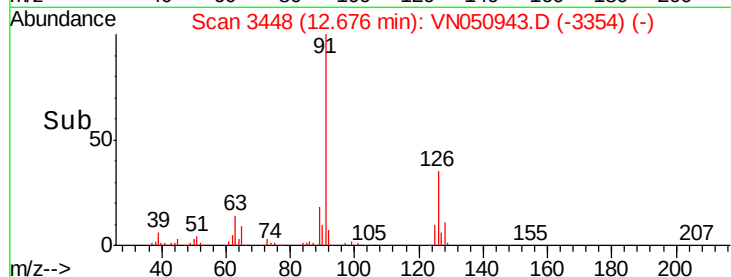
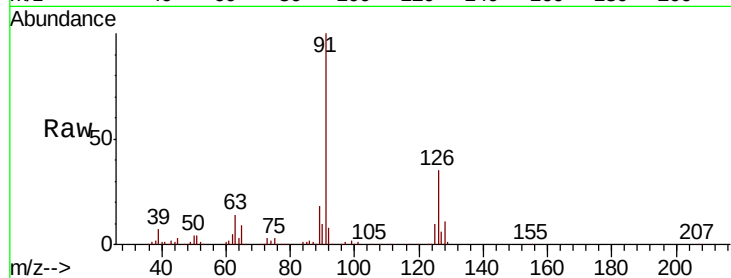
#79
 2-Chlorotoluene
 Concen: 20.387 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion: 91 Resp: 438443
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.8 53.3

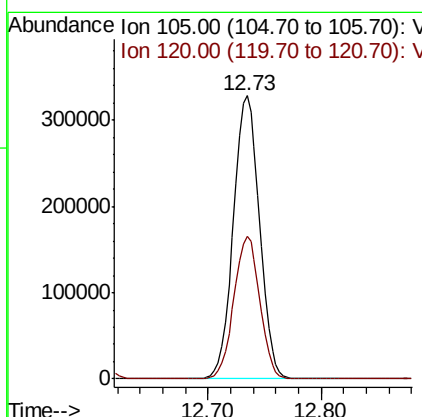
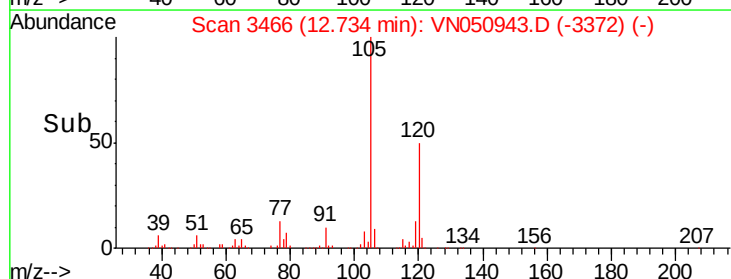
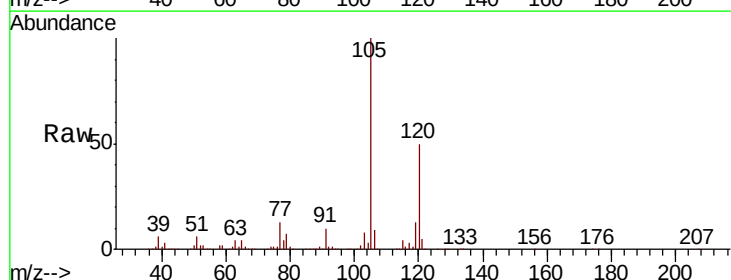
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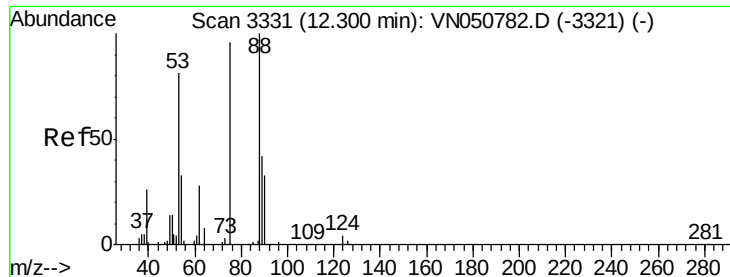
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.151 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion: 105 Resp: 527473
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.696 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

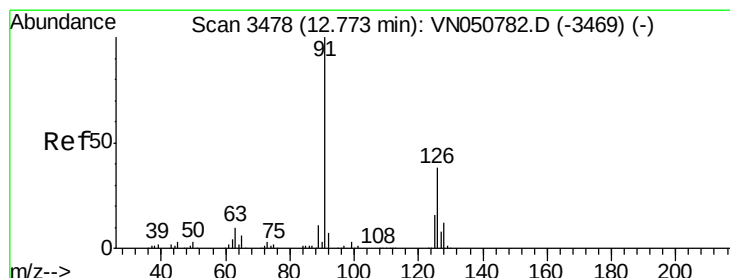
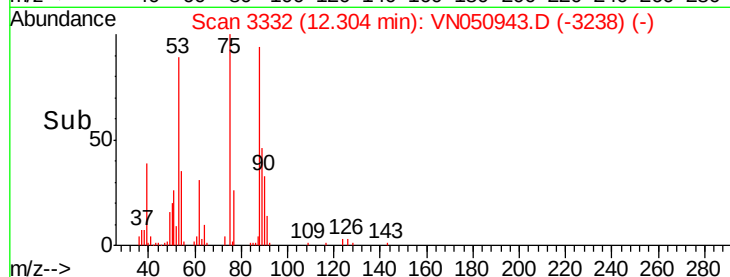
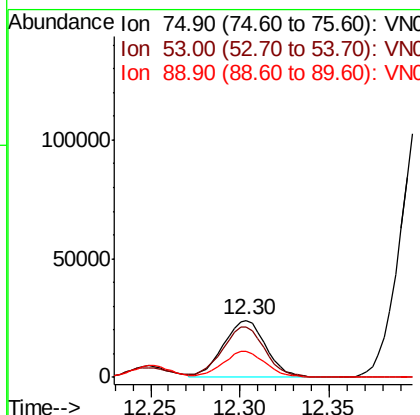
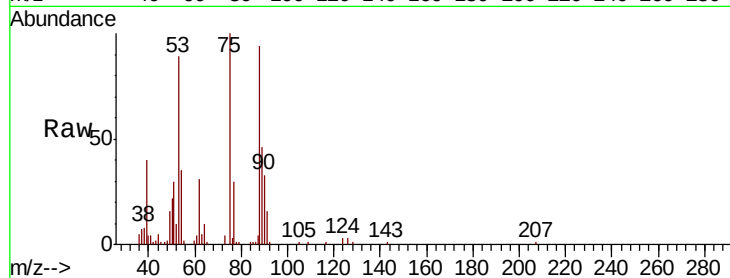
ClientSampleId :

VN0829WBSD01

Tot Ion:	75	Resp:	40024
Ion	Ratio	Lower	Upper
75	100		
53	88.9	68.9	103.3
89	45.2	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.037 ug/l

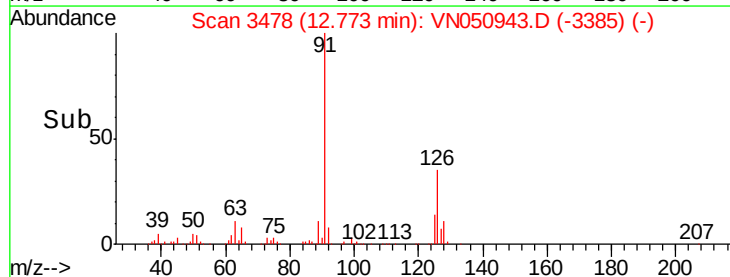
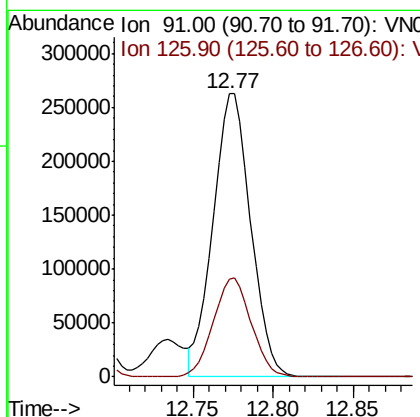
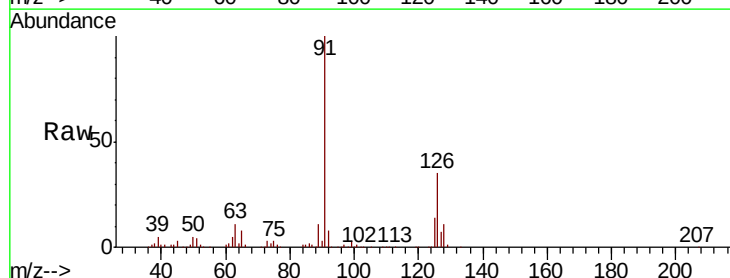
RT: 12.77 min Scan# 3478

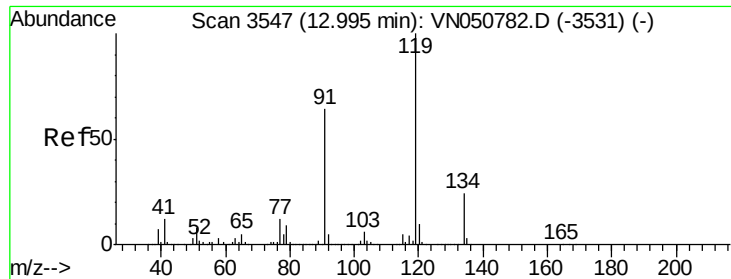
Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion:	91	Resp:	425413
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





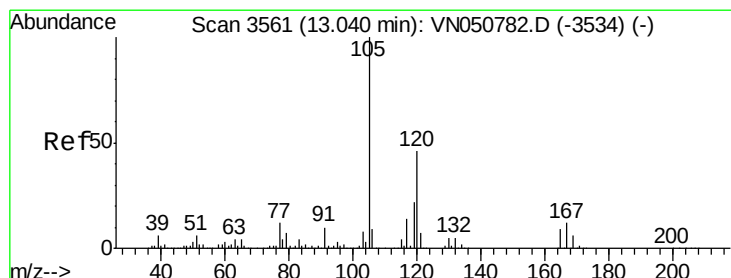
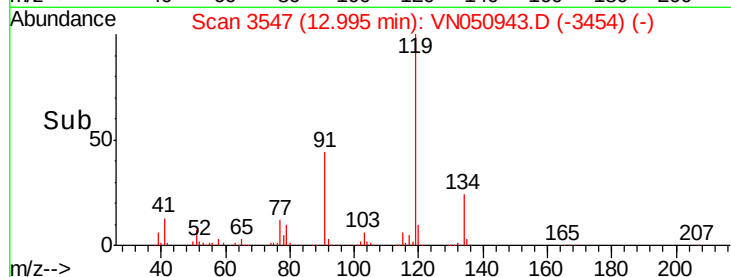
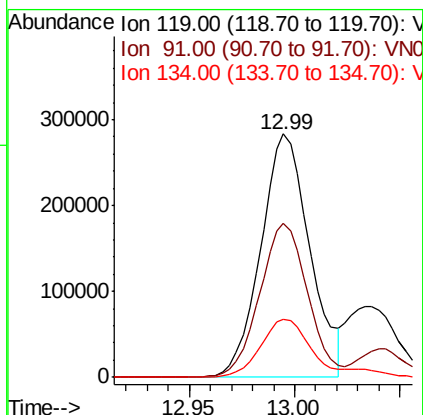
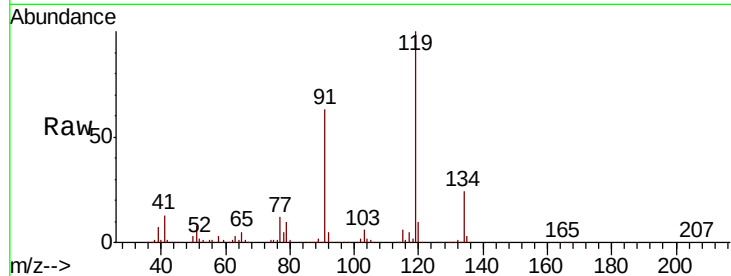
#83
tert-Butylbenzene
Concen: 21.250 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.6	94.7
134	23.9	13.4	40.1

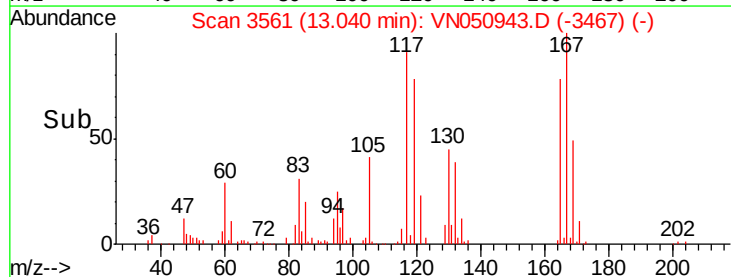
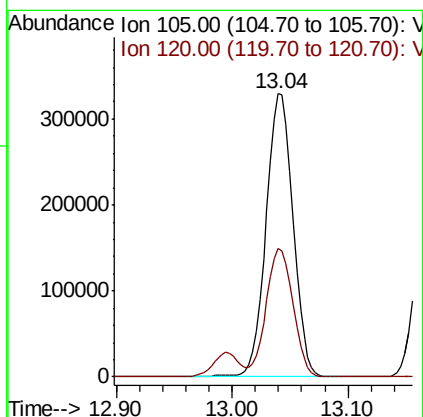
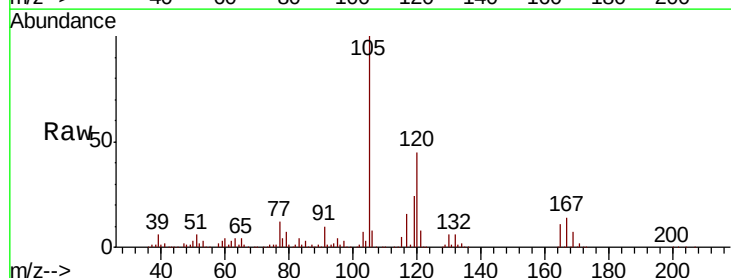
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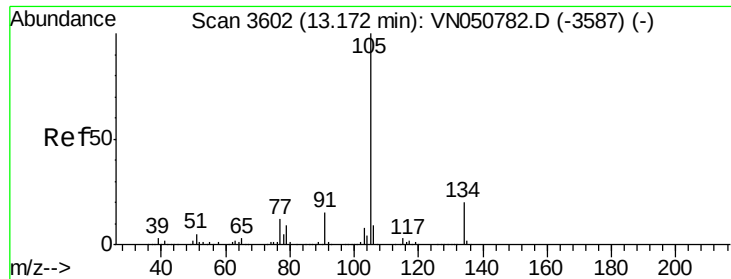
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#84
1,2,4-Trimethylbenzene
Concen: 21.163 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050943.D
Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.962 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion:105 Resp: 593241

Ion Ratio Lower Upper

105 100

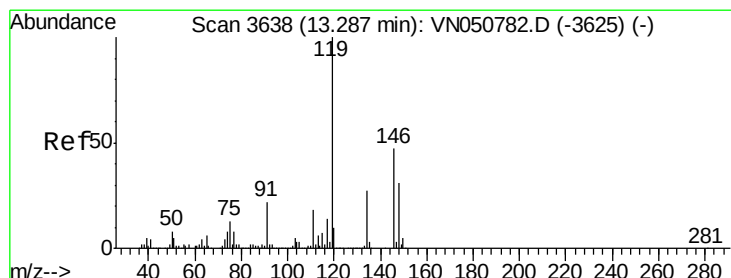
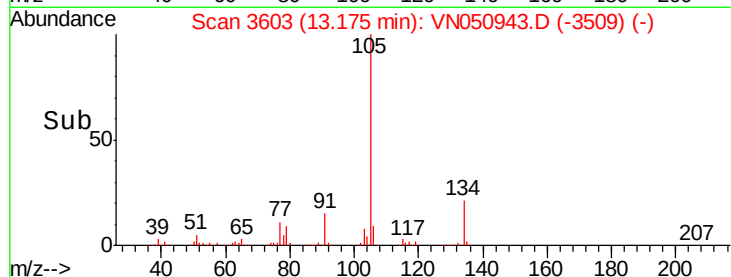
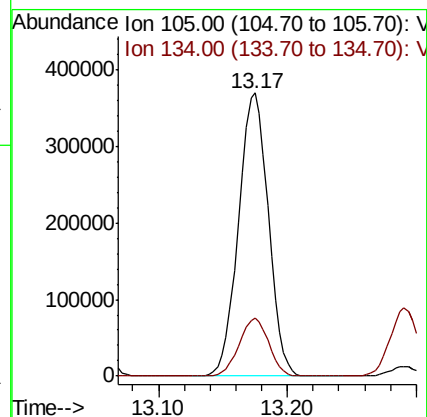
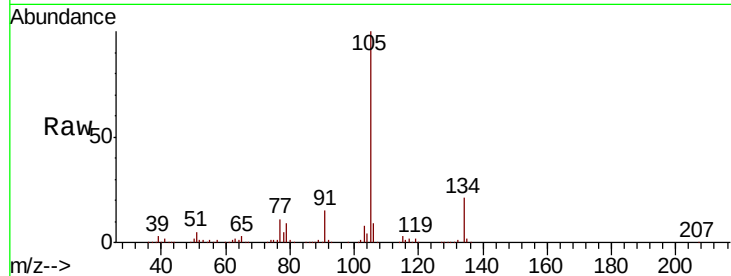
134 20.4 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.828 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

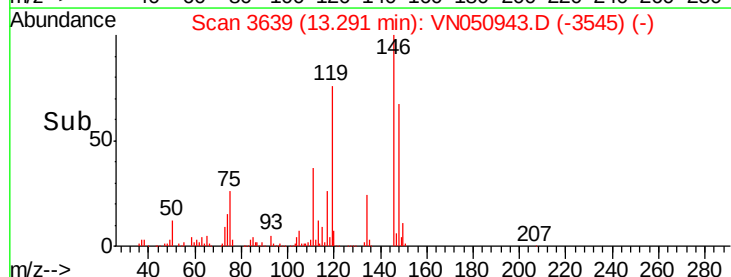
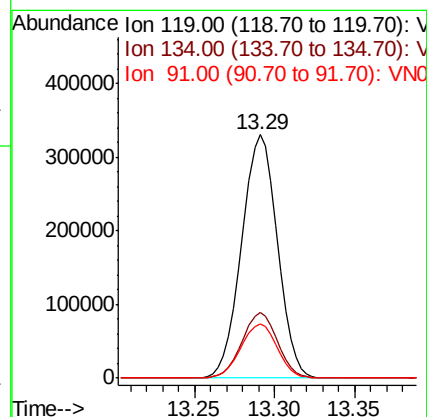
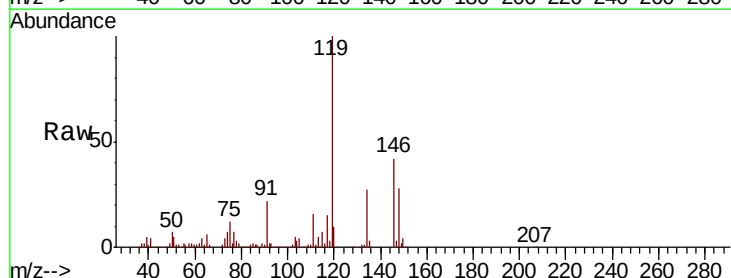
Tgt Ion:119 Resp: 502266

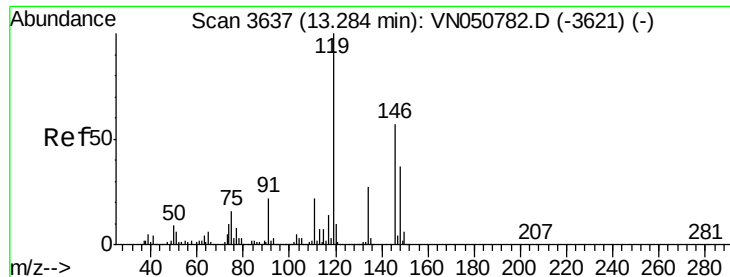
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.358 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

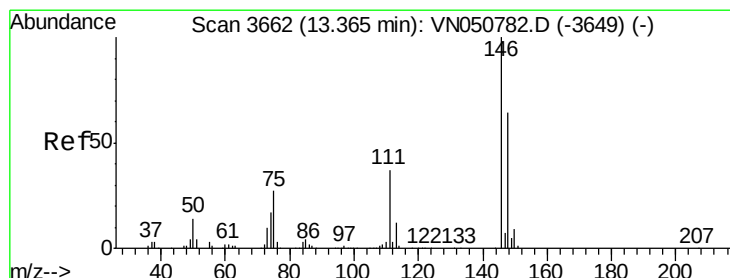
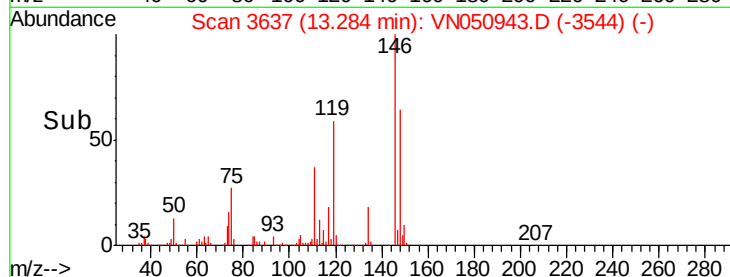
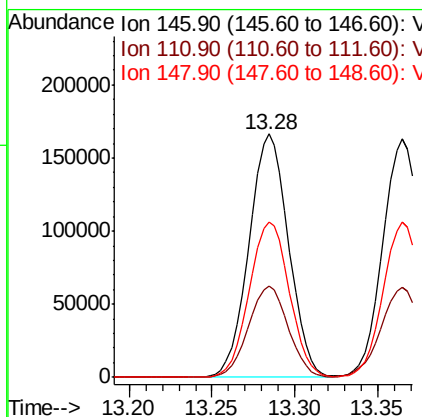
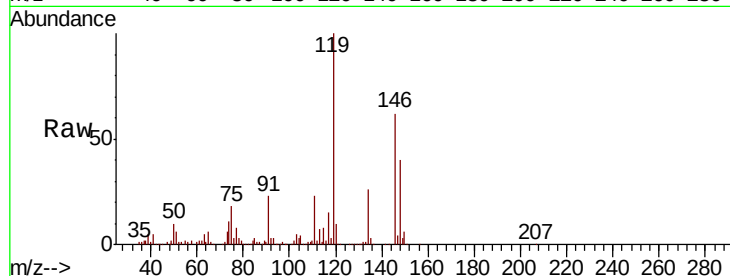
ClientSampleId :

VN0829WBSD01

Tot Ion:	146	Resp:	275932
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.3
148	64.7	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 18.950 ug/l

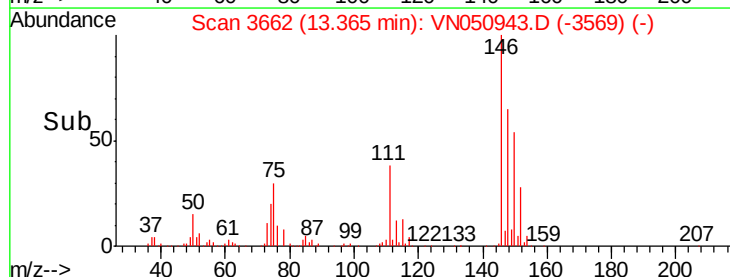
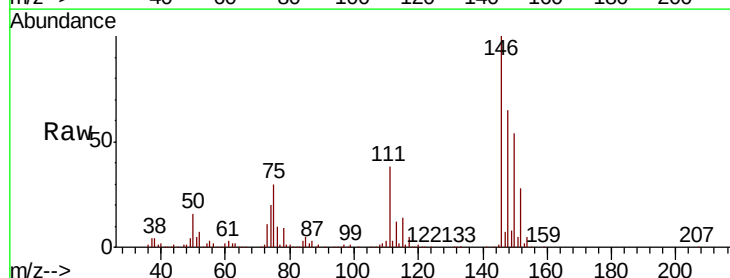
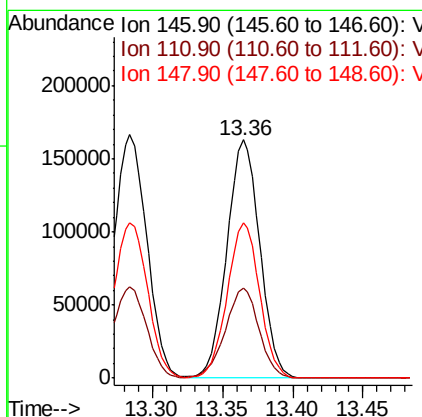
RT: 13.36 min Scan# 3662

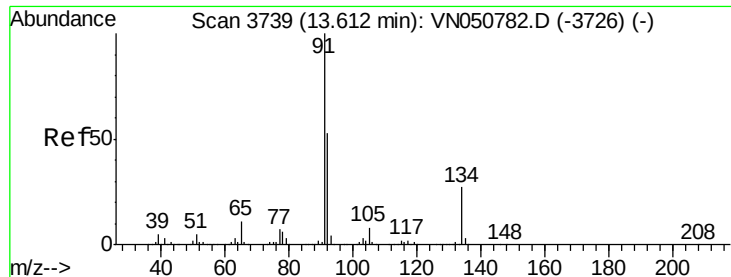
Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion:	146	Resp:	265850
Ion Ratio	Lower	Upper	
146	100		
111	38.9	18.8	56.3
148	64.1	32.2	96.6





#89

n-Butylbenzene

Concen: 19.130 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

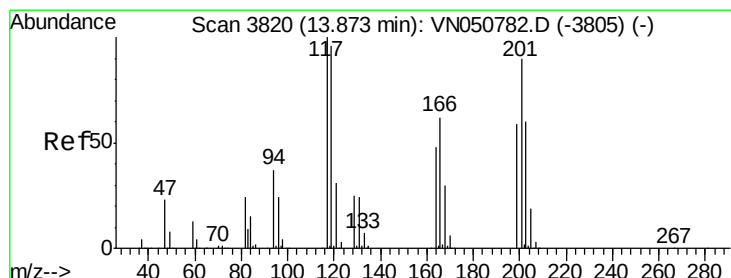
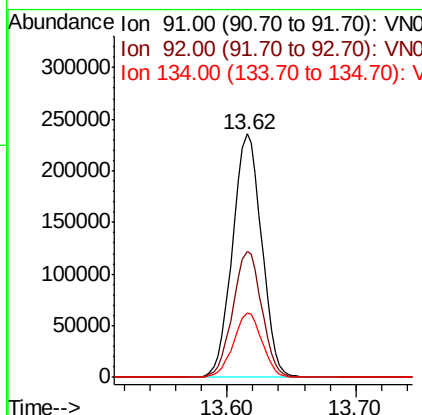
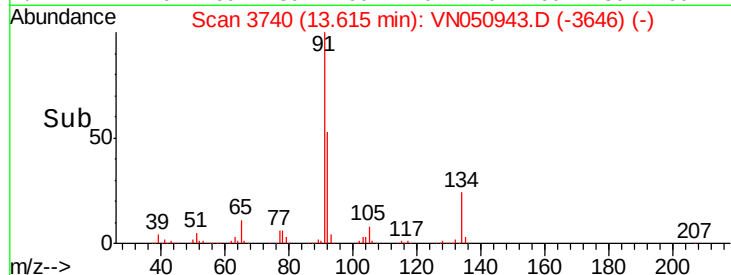
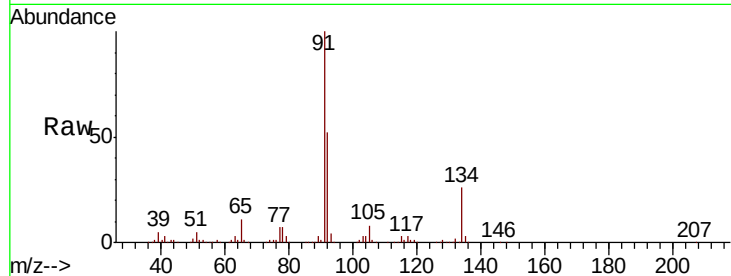
ClientSampleId :

VN0829WBSD01

Tot Ion:	91	Resp:	368971
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	26.1	13.2	39.6

Manual Integrations
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#90

Hexachloroethane

Concen: 20.672 ug/l

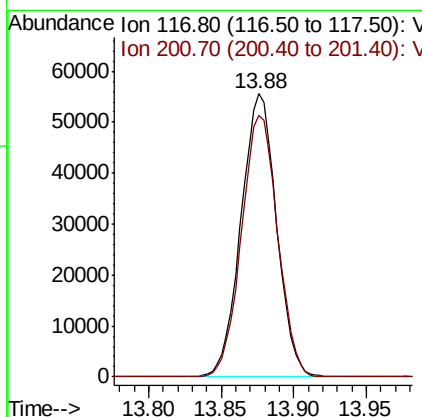
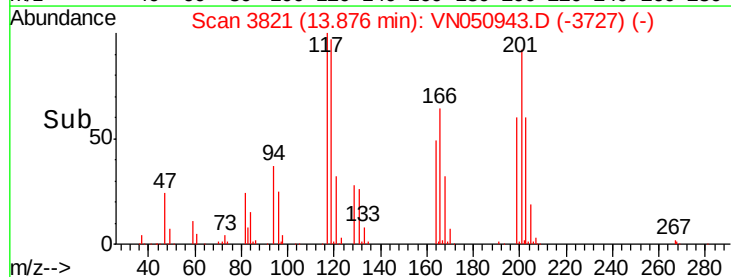
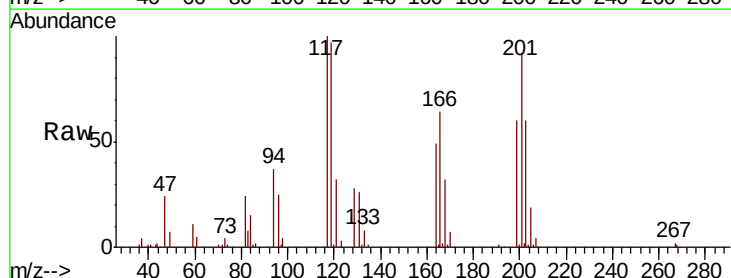
RT: 13.88 min Scan# 3821

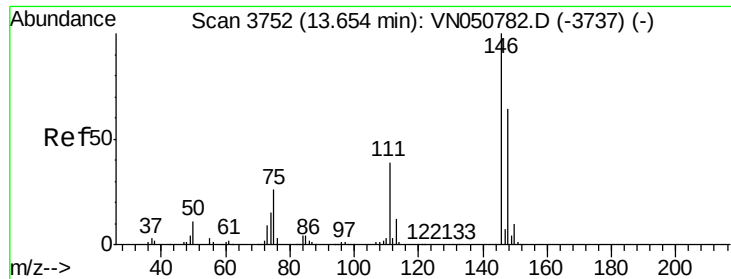
Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion:	117	Resp:	94507
Ion	Ratio	Lower	Upper
117	100		
201	94.1	46.0	137.8





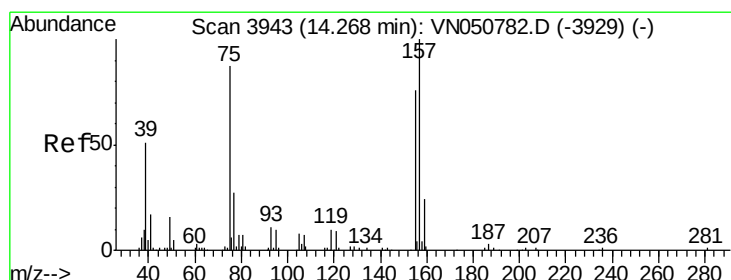
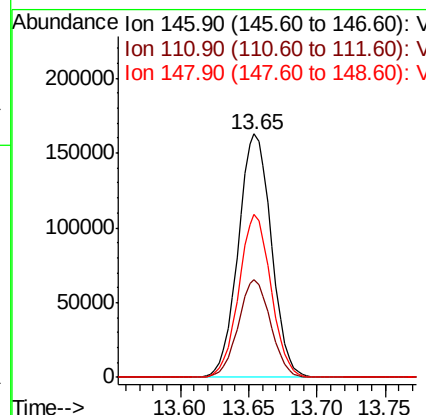
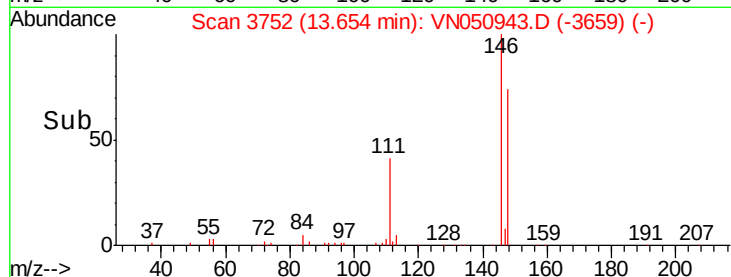
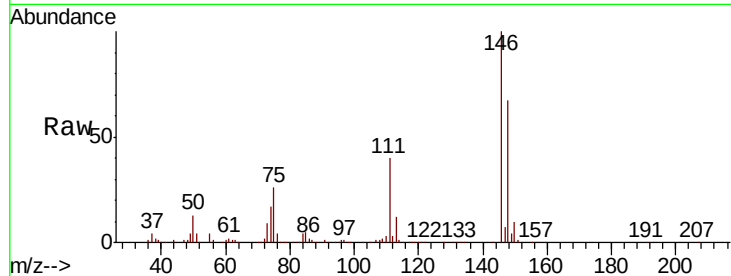
#91
 1,2-Dichlorobenzene
 Concen: 19.895 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	65.1	32.3	96.8

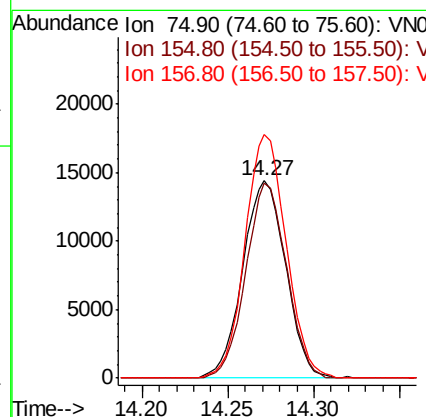
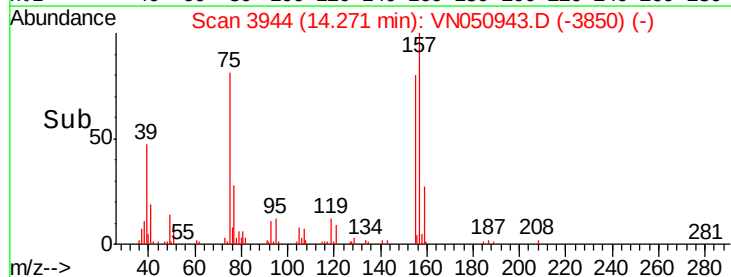
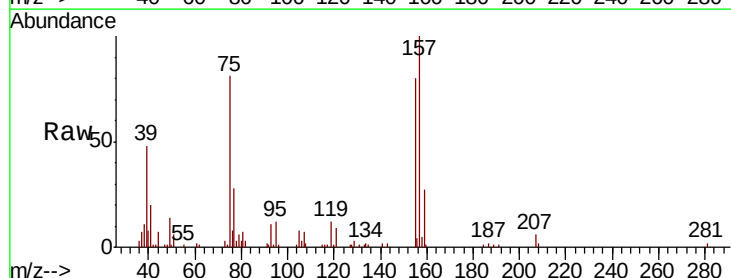
Manual Integrations
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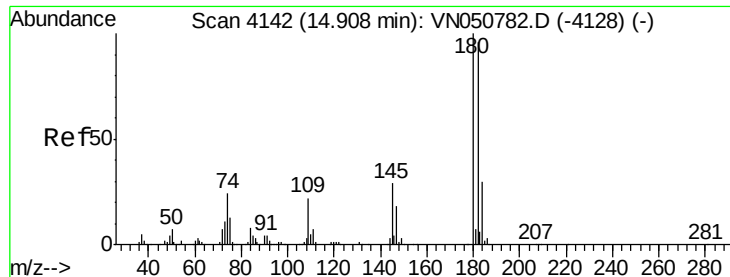
MMDadoda
 8/30/2018 11:07:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.464 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	46.4	139.1
157	118.1	60.7	182.0





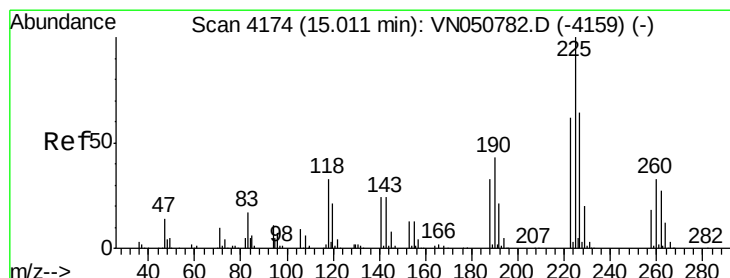
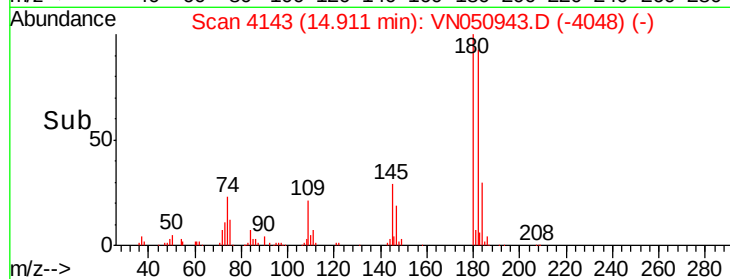
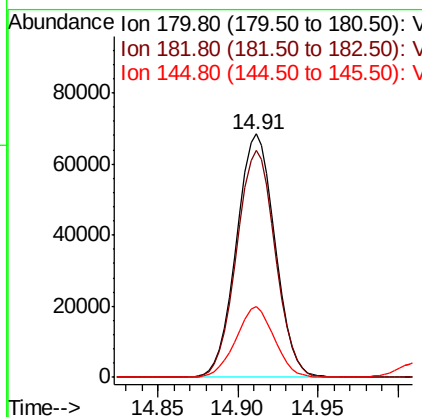
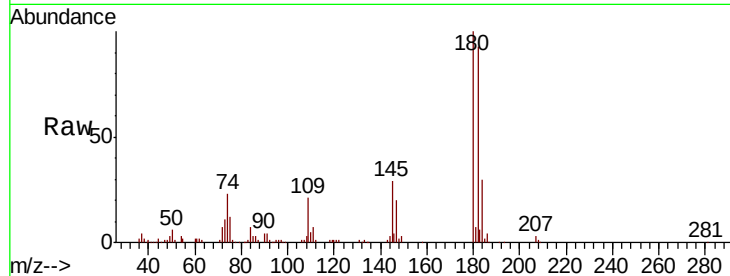
#93
 1,2,4-Trichlorobenzene
 Concen: 18.486 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112204		
182	93.8	48.2	144.6	
145	28.8	14.1	42.2	

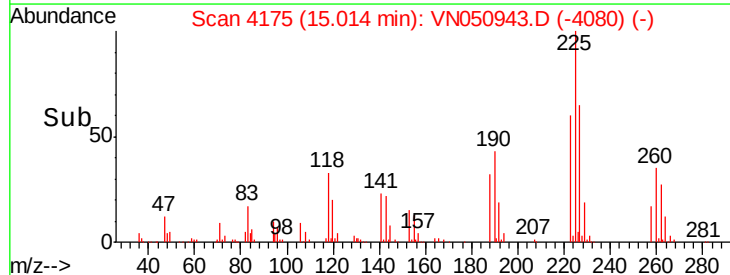
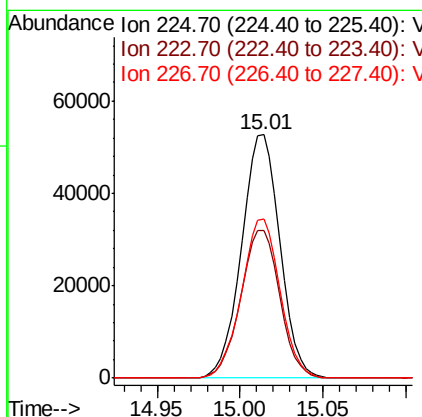
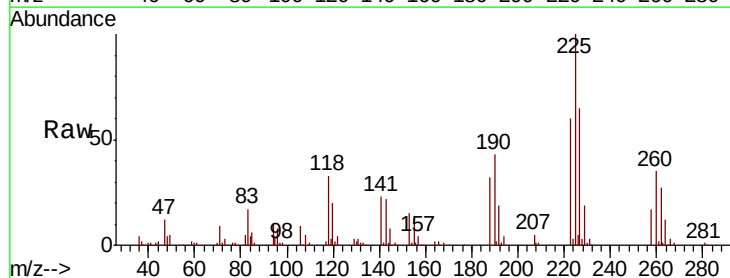
Manual Integrations
 APPROVED

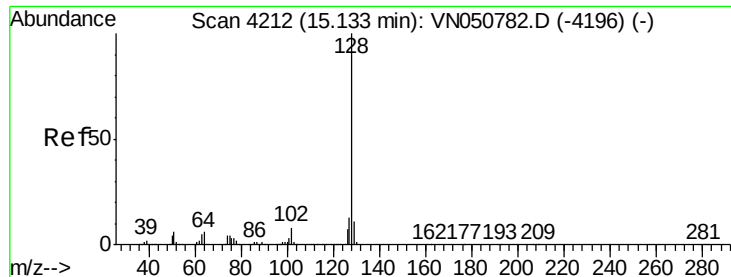
MMDadoda
 8/30/2018 11:07:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.199 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050943.D
 Acq: 29 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85064		
223	61.9	31.3	93.8	
227	65.7	32.0	96.2	





#95

Naphthalene

Concen: 19.897 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Instrument :

MSVOA_N

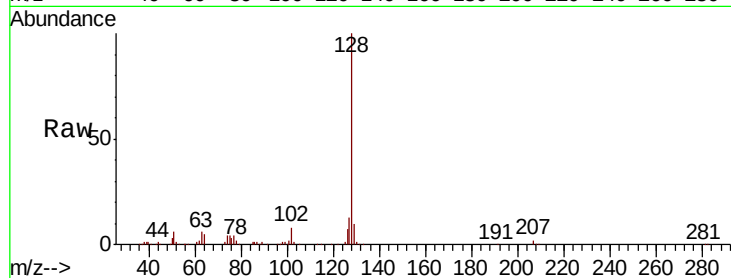
ClientSampleId :

VN0829WBSD01

Tot Ion:	128	Resp:	242373
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/30/2018 11:07:47 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

15.14

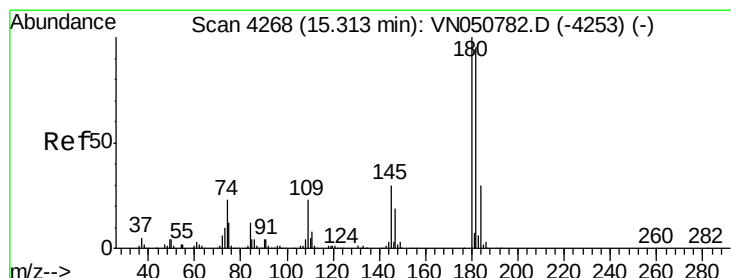
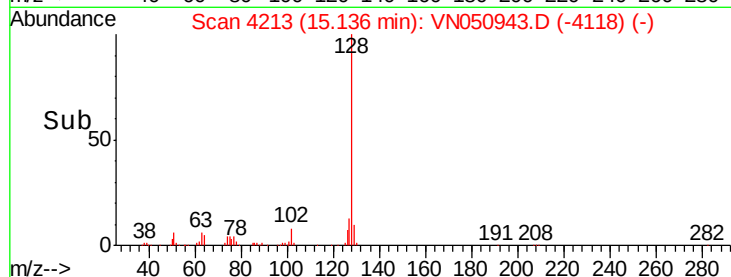
150000

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.910 ug/l

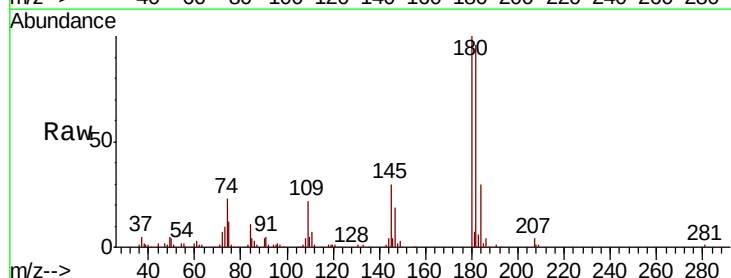
RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050943.D

Acq: 29 Aug 2018 12:00

Tgt Ion:	180	Resp:	119281
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.2
145	30.1	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

15.32

80000

60000

40000

20000

0

Time-->

