

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051780.D
 Acq On : 10 Oct 2018 10:46
 Operator : MD\SY
 Sample : VN1010MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:51:13 PM

Quant Time: Oct 11 02:15:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	3223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	5913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	8696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	11999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	403787	9483.57	ug/l	0.00
Spiked Amount	50.000		Recovery	= 18967.14%		
35) Dibromofluoromethane	7.59	113	372816	8155.12	ug/l	0.00
Spiked Amount	50.000		Recovery	= 16310.24%		
50) Toluene-d8	10.09	98	1374936	8061.95	ug/l	0.00
Spiked Amount	50.000		Recovery	= 16123.90%		
62) 4-Bromofluorobenzene	12.40	95	448143	7423.28	ug/l	0.00
Spiked Amount	50.000		Recovery	= 14846.56%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	144283	3498.415	ug/l	99
3) Chloromethane	2.06	50	128725	3499.735	ug/l	98
4) Vinyl Chloride	2.18	62	197446	3407.773	ug/l	98
5) Bromomethane	2.57	94	172717	3876.296	ug/l	99
6) Chloroethane	2.70	64	141216	3626.412	ug/l	95
7) Trichlorofluoromethane	3.01	101	253650	4320.501	ug/l	98
8) Diethyl Ether	3.41	74	68185	4038.437	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133160	4134.966	ug/l	99
10) Methyl Iodide	3.95	142	152351	3413.138	ug/l	99
11) Tert butyl alcohol	4.80	59	55724	19257.555	ug/l	98
12) 1,1-Dichloroethene	3.73	96	115260	3840.118	ug/l	98
13) Acrolein	3.61	56	22449	12220.107	ug/l	92
14) Allyl chloride	4.32	41	157927	3449.802	ug/l	99
15) Acrylonitrile	4.99	53	193206	19349.134	ug/l	98
16) Acetone	3.82	43	152087	23083.176	ug/l	98
17) Carbon Disulfide	4.05	76	286825	3143.833	ug/l	99
18) Methyl Acetate	4.33	43	103813	4417.429	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	380904	3844.704	ug/l	100
20) Methylene Chloride	4.55	84	134543	3840.766	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	132841	3734.895	ug/l	89
22) Diisopropyl ether	5.95	45	345004	3515.752	ug/l	93
23) Vinyl Acetate	5.90	43	1240569	17193.345	ug/l	96
24) 1,1-Dichloroethane	5.85	63	230831	3657.510	ug/l	98
25) 2-Butanone	6.84	43	233001	18951.252	ug/l	95
26) 2,2-Dichloropropane	6.82	77	236695	3742.510	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	159487	3862.646	ug/l	95
28) Bromochloromethane	7.20	49	107116	3833.732	ug/l	91
29) Tetrahydrofuran	7.22	42	143217	18981.990	ug/l	92
30) Chloroform	7.37	83	273808	3861.386	ug/l	98
31) Cyclohexane	7.65	56	196685	3402.931	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	261399	3803.202	ug/l	98
36) 1,1-Dichloropropene	7.79	75	193163	3125.333	ug/l	99
37) Ethyl Acetate	6.93	43	101851	3159.678	ug/l	99
38) Carbon Tetrachloride	7.78	117	233413	3147.301	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	244567	3152.333	ug/l	99
40) Benzene	8.04	78	579733	3164.130	ug/l	98
41) Methacrylonitrile	7.18	41	57493	3482.194	ug/l	90
42) 1,2-Dichloroethane	8.13	62	195213	3161.509	ug/l	99
43) Isopropyl Acetate	8.17	43	209652	3119.511	ug/l #	89
44) Trichloroethene	8.84	130	173151	3328.304	ug/l	98
45) 1,2-Dichloropropane	9.12	63	140971	3111.966	ug/l	99
46) Dibromomethane	9.21	93	103420	3284.557	ug/l	99
47) Bromodichloromethane	9.40	83	211409	3050.026	ug/l	99
48) Methyl methacrylate	9.20	41	92150	3000.684	ug/l	97
49) 1,4-Dioxane	9.20	88	31529	68469.398	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	539954	15855.145	ug/l	98
52) Toluene	10.16	92	384503	3155.254	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	211108	2951.636	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	225395	2967.675	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	144491	3328.440	ug/l	95
56) Ethyl methacrylate	10.43	69	173046	3152.145	ug/l	97
57) 1,3-Dichloropropane	10.71	76	222462	3237.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	361960	15931.087	ug/l	97
59) 2-Hexanone	10.75	43	356320	15406.341	ug/l	99
60) Dibromochloromethane	10.90	129	173438	3052.961	ug/l	100
61) 1,2-Dibromoethane	11.01	107	148946	3245.593	ug/l	99
64) Tetrachloroethene	10.63	164	172949	2254.284	ug/l	97
65) Chlorobenzene	11.44	112	435317	2021.240	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	172791	2003.716	ug/l	99
67) Ethyl Benzene	11.51	91	744248	1999.288	ug/l	100
68) m/p-Xylenes	11.62	106	591846	3973.558	ug/l	98
69) o-Xylene	11.95	106	289219	1979.987	ug/l	100
70) Styrene	11.96	104	445491	1913.964	ug/l	99
71) Bromoform	12.13	173	110390	1721.020	ug/l #	99
73) Isopropylbenzene	12.25	105	790298	772.649	ug/l	100
74) N-amyl acetate	12.07	43	154484	778.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	168208	915.158	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	151284m	1100.959	ug/l	
77) Bromobenzene	12.53	156	189019	755.784	ug/l	96
78) n-propylbenzene	12.59	91	840205	753.123	ug/l	100
79) 2-Chlorotoluene	12.67	91	496368	754.932	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	658360	763.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42767	655.172	ug/l	95
82) 4-Chlorotoluene	12.77	91	483722	732.347	ug/l	99
83) tert-Butylbenzene	12.99	119	606944	785.810	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	654845	758.443	ug/l	98
85) sec-Butylbenzene	13.17	105	792422	775.602	ug/l	99
86) p-Isopropyltoluene	13.29	119	693347	765.501	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	329634	756.397	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	306624	714.823	ug/l	100
89) n-Butylbenzene	13.62	91	526681	735.446	ug/l	100
90) Hexachloroethane	13.88	117	123108	681.243	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	323862	747.557	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26077	725.753	ug/l	96

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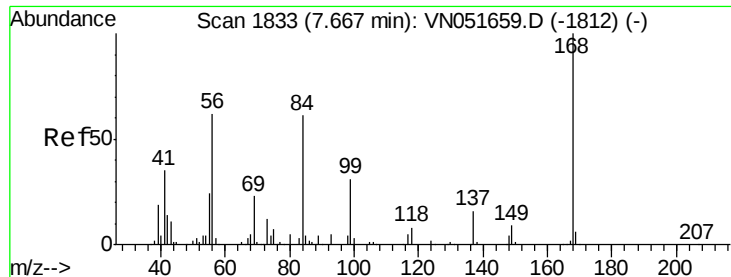
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135462	702.687	ug/l	99
94) Hexachlorobutadiene	15.01	225	108233	827.490	ug/l	98
95) Naphthalene	15.13	128	271839	652.994	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142462	750.356	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion:168 Resp: 3223

Ion Ratio Lower Upper

168 100

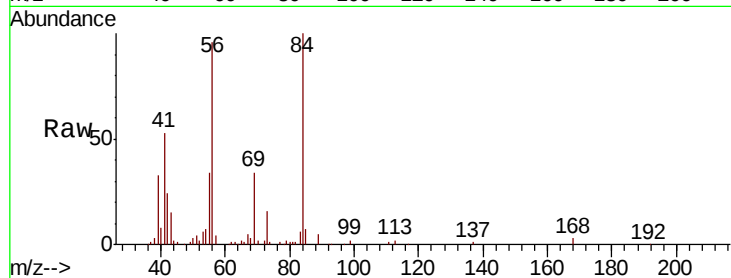
99 58.9 40.4 60.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

50000

40000

30000

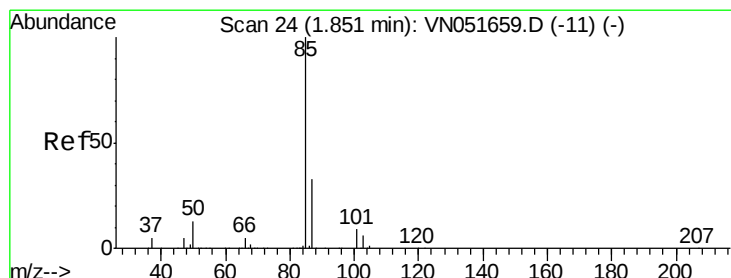
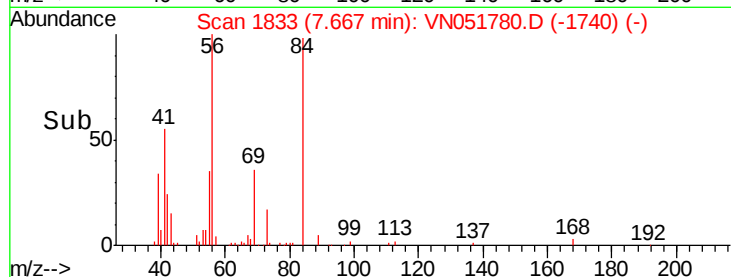
20000

10000

0

7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 3498.415 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051780.D

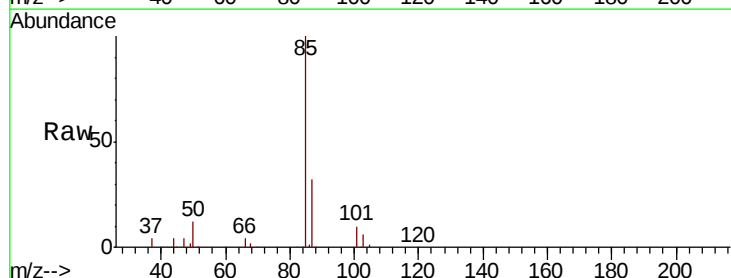
Acq: 10 Oct 2018 10:46

Tgt Ion: 85 Resp: 144283

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

120000

100000

80000

60000

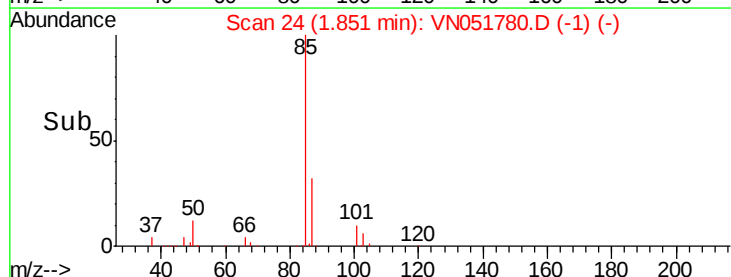
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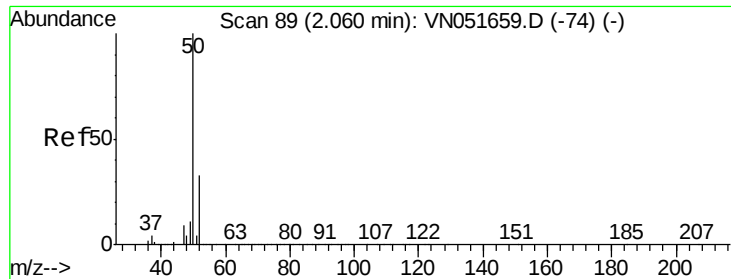
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 3499.735 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 50 Resp: 128725

Ion Ratio Lower Upper

50 100

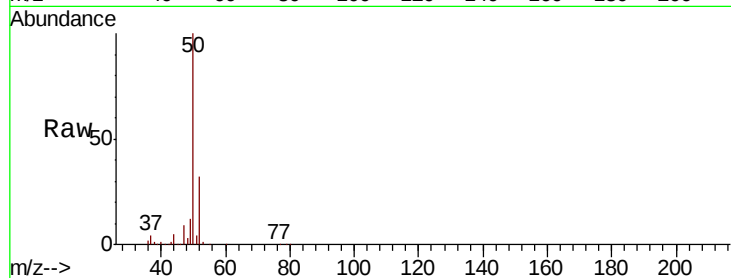
52 32.2 26.6 39.8

Manual Integrations

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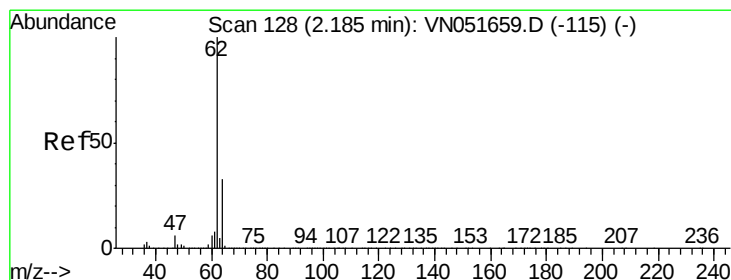
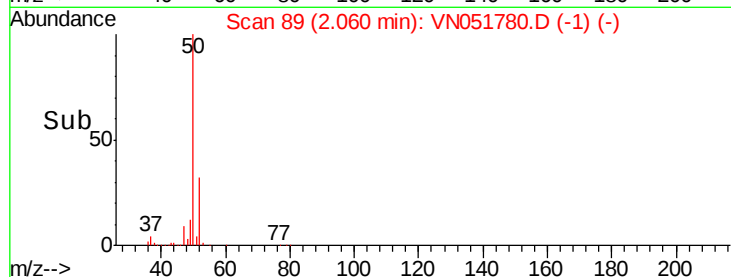
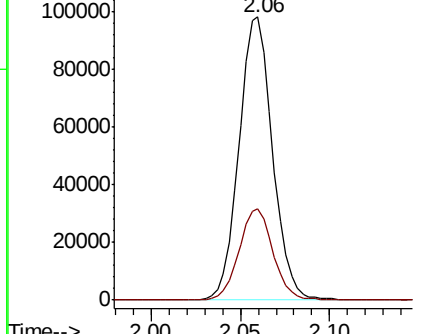
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 3407.773 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051780.D

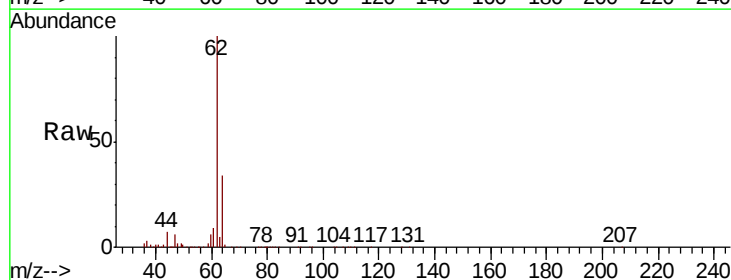
Acq: 10 Oct 2018 10:46

Tgt Ion: 62 Resp: 197446

Ion Ratio Lower Upper

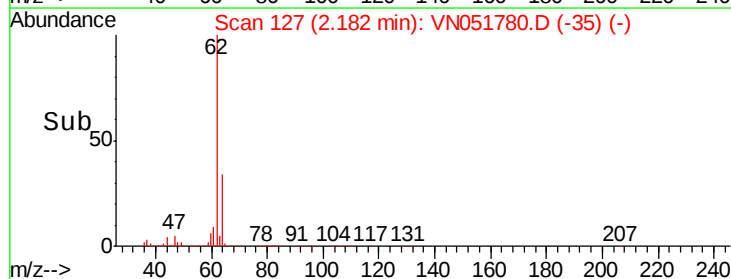
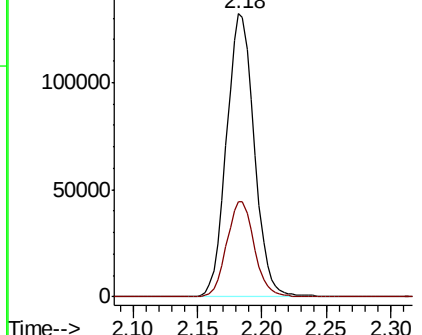
62 100

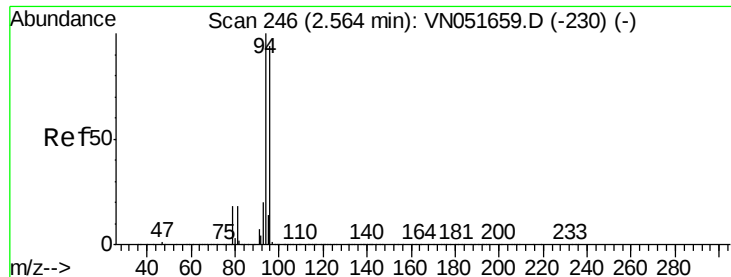
64 33.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 3876.296 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 94 Resp: 172717

Ion Ratio Lower Upper

94 100

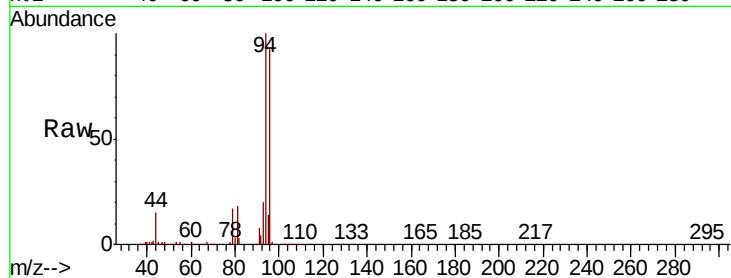
96 92.9 75.2 112.8

Manual Integrations

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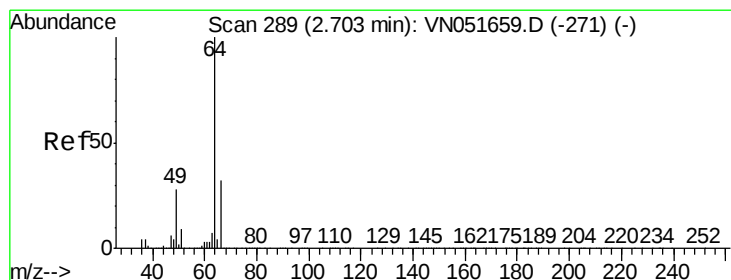
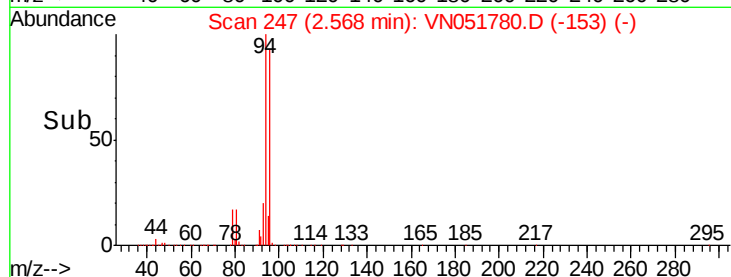
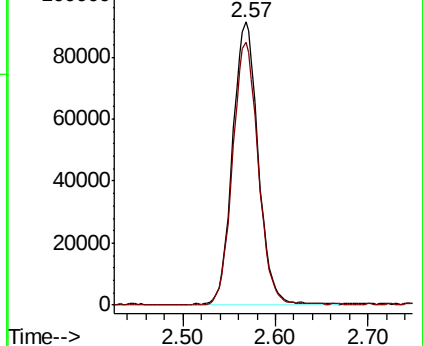
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Abundance Ion 93.90 (93.60 to 94.60): VN051780.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051780.D (-153) (-)



#6

Chloroethane

Concen: 3626.412 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051780.D

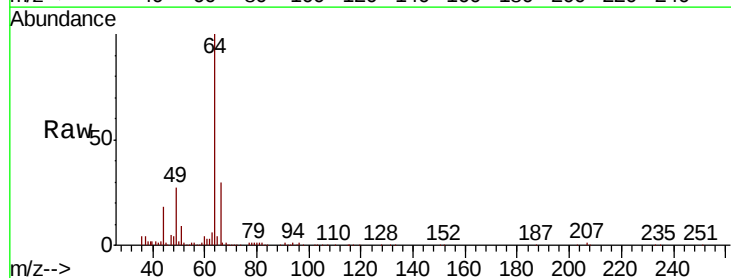
Acq: 10 Oct 2018 10:46

Tgt Ion: 64 Resp: 141216

Ion Ratio Lower Upper

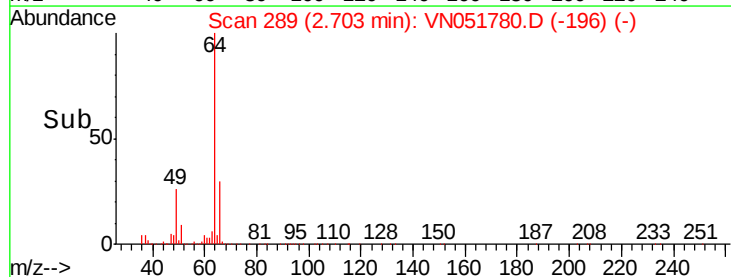
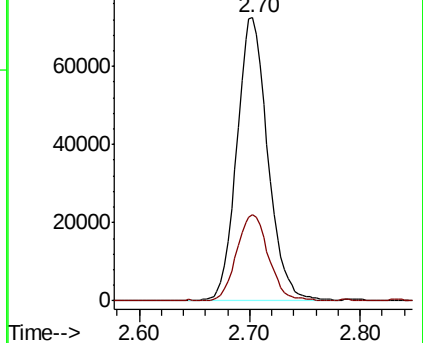
64 100

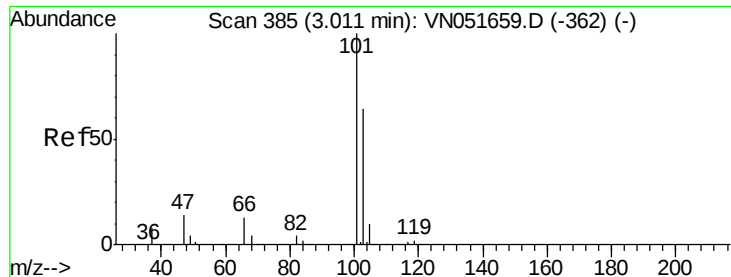
66 30.0 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN051780.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN051780.D (-196) (-)





#7

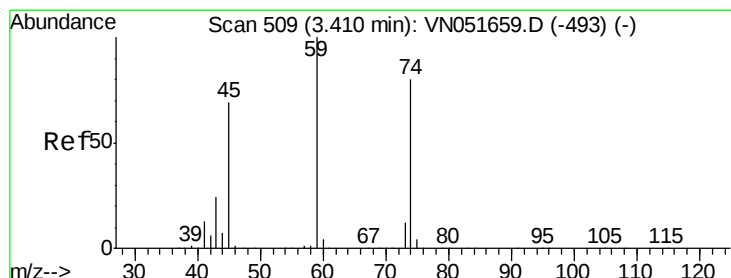
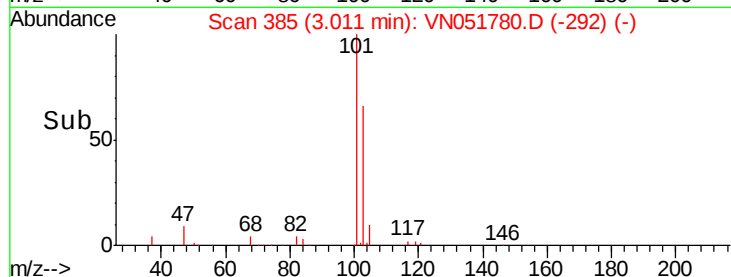
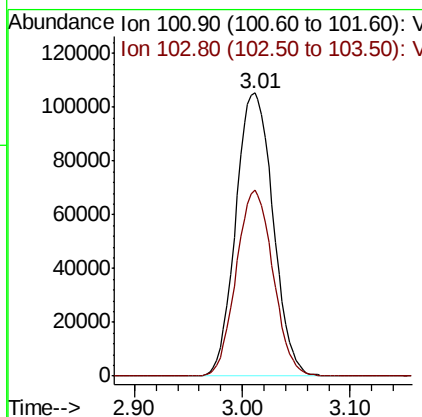
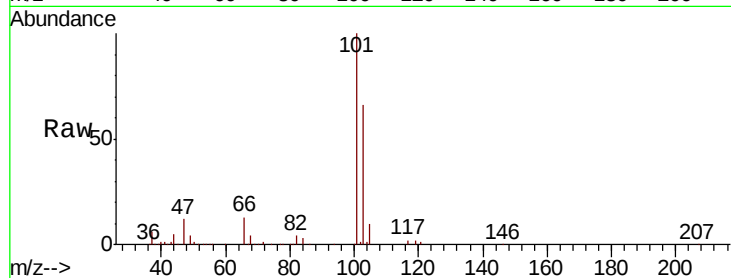
Trichlorofluoromethane
 Concen: 4320.501 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
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 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.1	76.7

Manual Integrations
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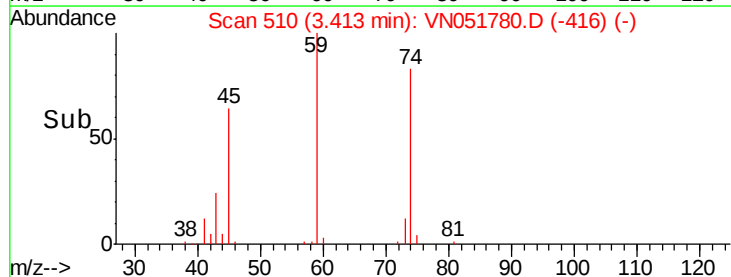
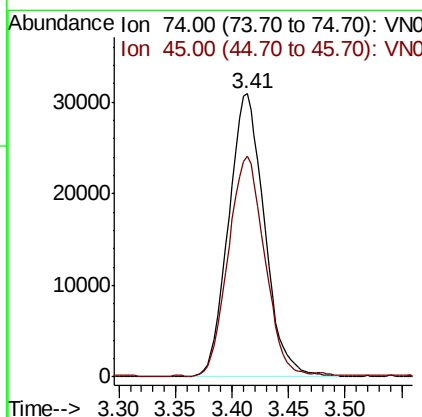
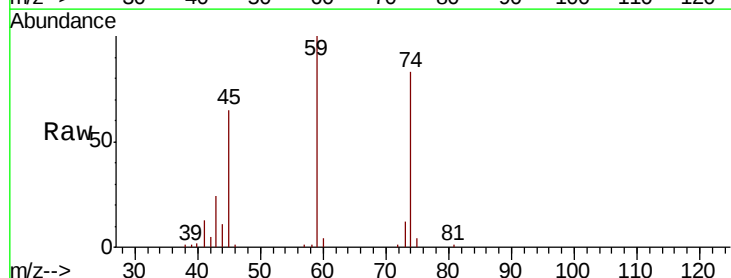
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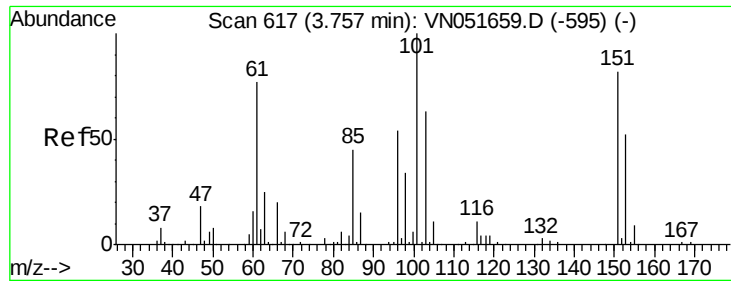


#8

Diethyl Ether
 Concen: 4038.437 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051780.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.6	44.3	132.9





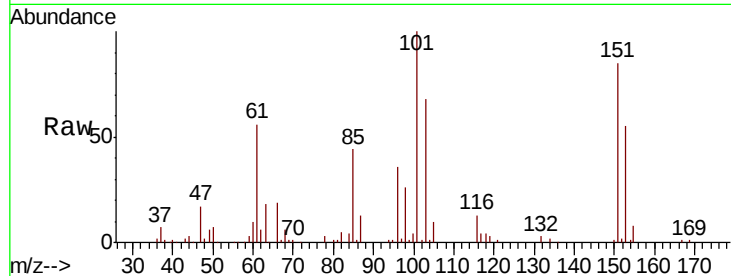
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4134.966 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	43.7	35.6	53.4
151	83.4	65.5	98.3

Manual Integrations
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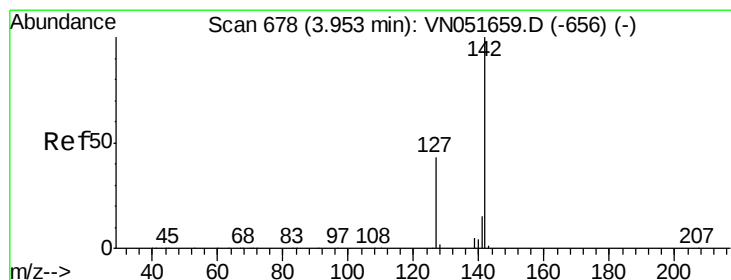
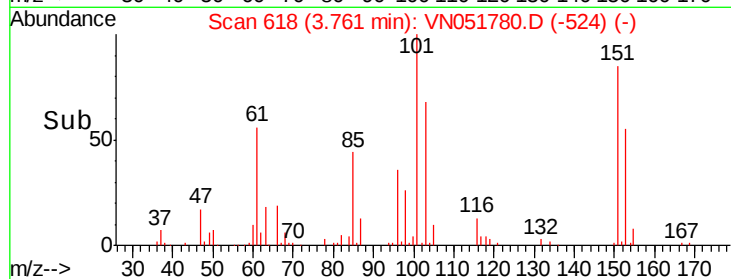
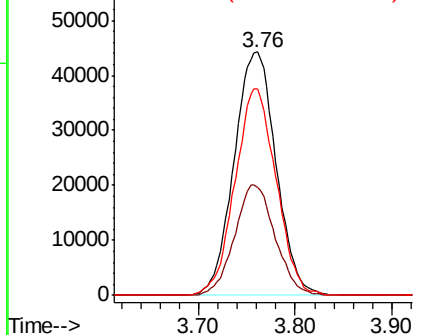


Abundance

Ion 100.90 (100.60 to 101.60): V

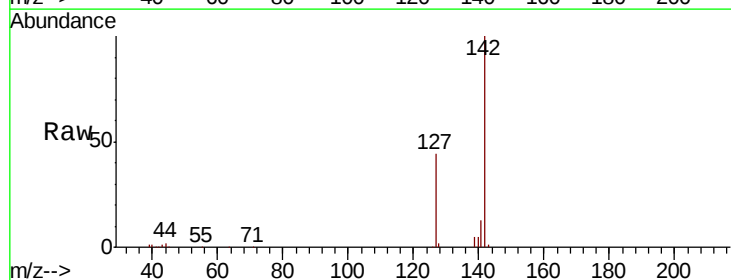
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 3413.138 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	43.2	34.7	52.1
141	13.8	11.4	17.2

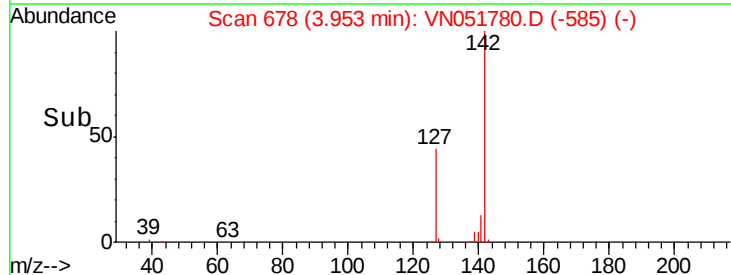
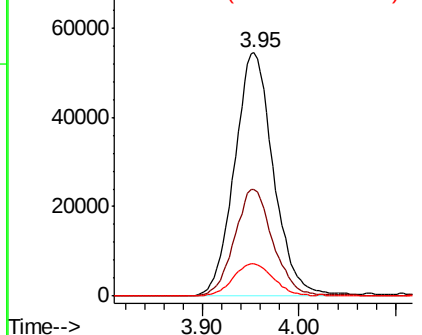


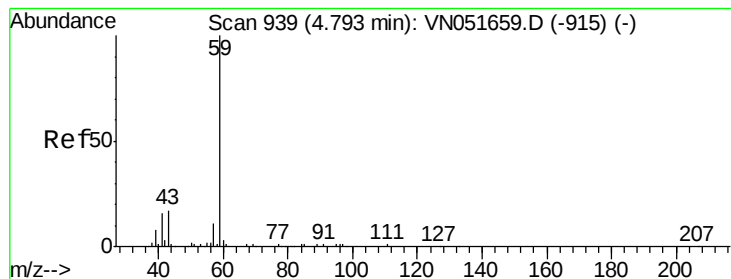
Abundance

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

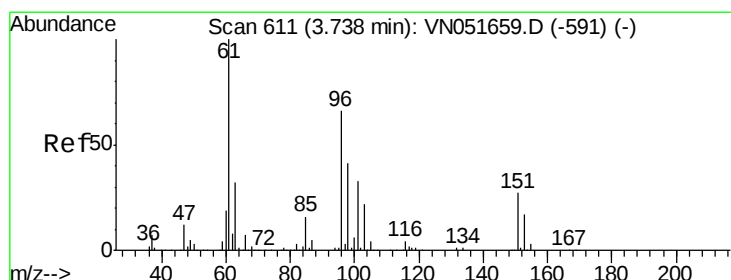
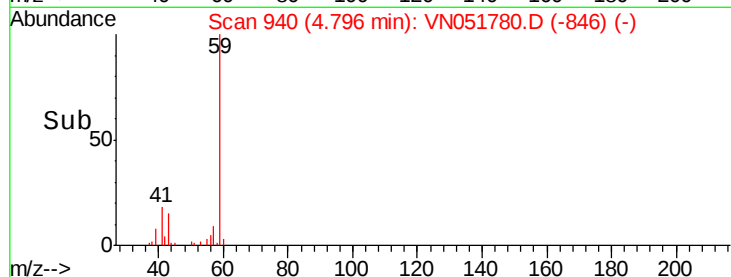
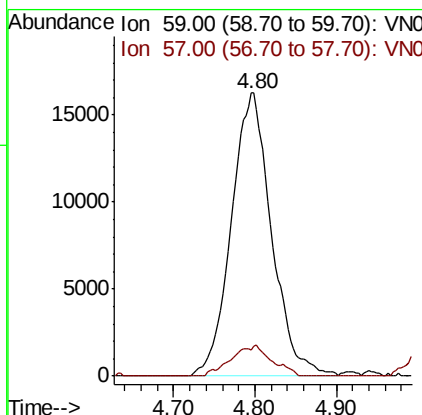
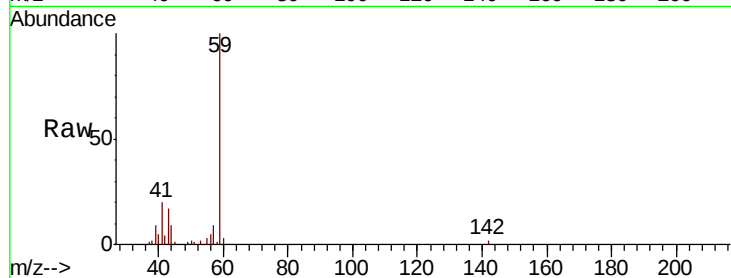
Tert butyl alcohol
Concen: 19257.555 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.1	12.1

Manual Integrations
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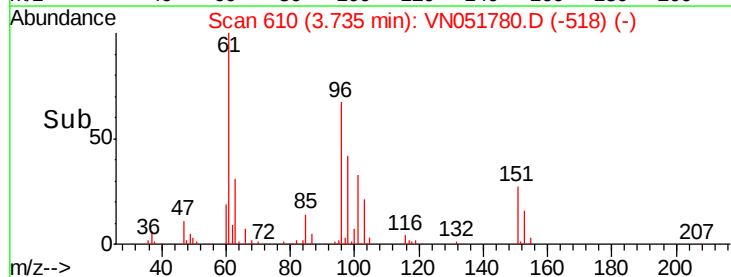
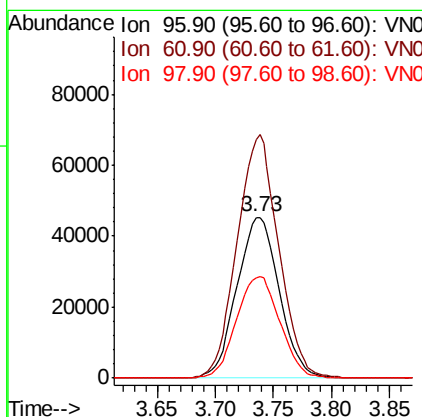
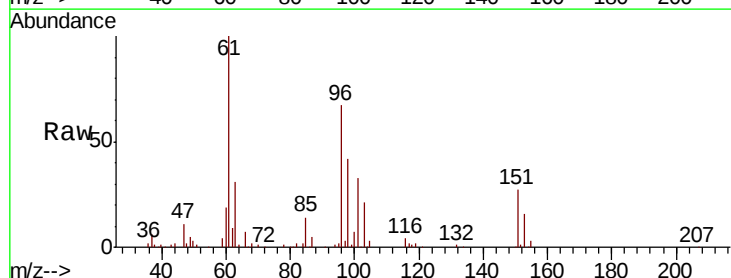
MMDadoda
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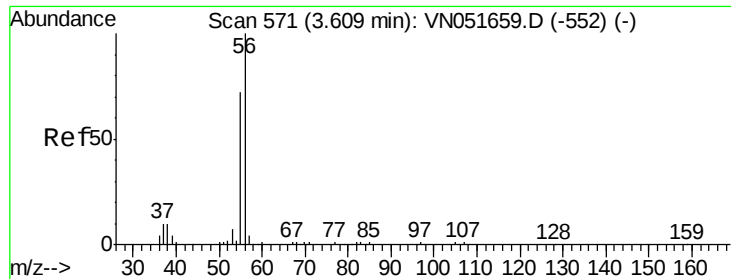


#12

1,1-Dichloroethene
Concen: 3840.118 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	121.4	182.0
98	62.4	49.9	74.9





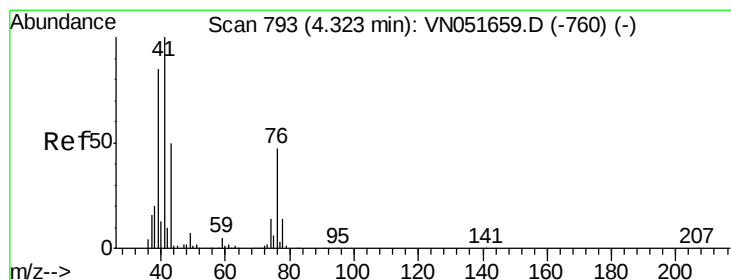
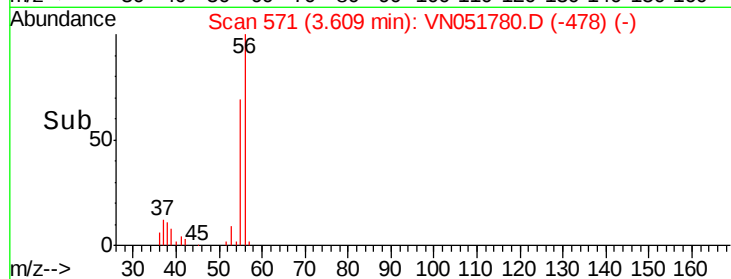
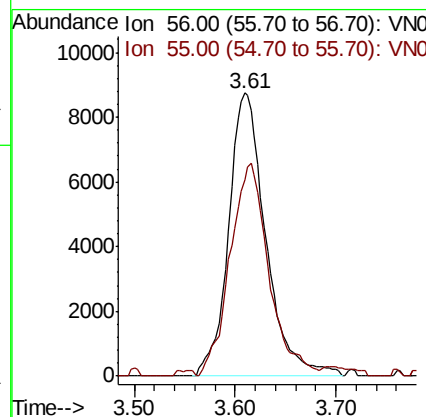
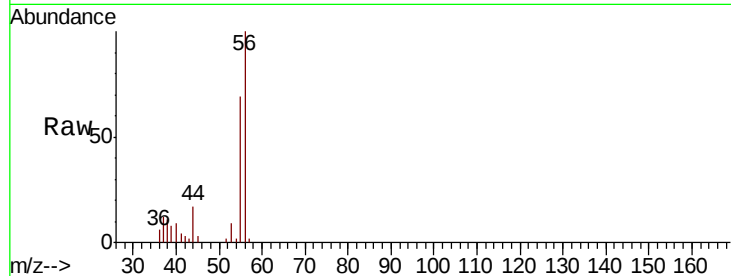
#13
Acrolein
Concen: 12220.107 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	78.4	57.5	86.3

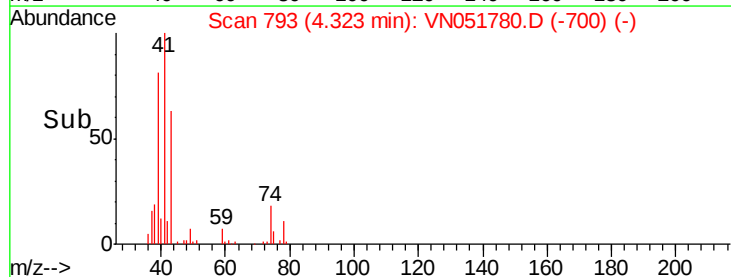
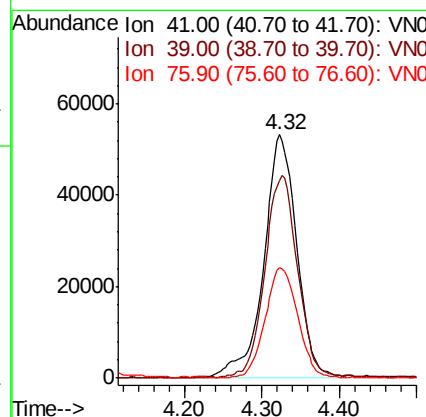
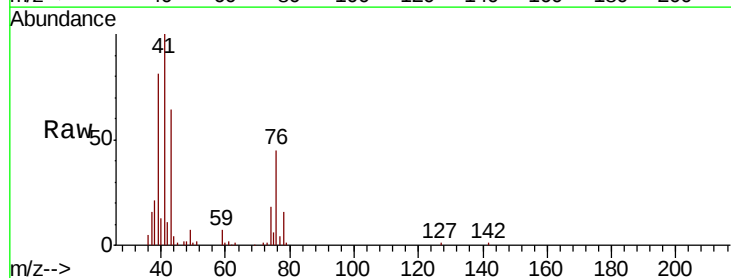
Manual Integrations
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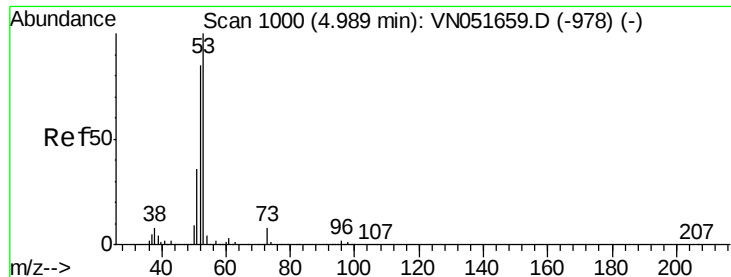
MMDadoda
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#14
Allyl chloride
Concen: 3449.802 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.7	65.4	98.0
76	44.9	34.3	51.5





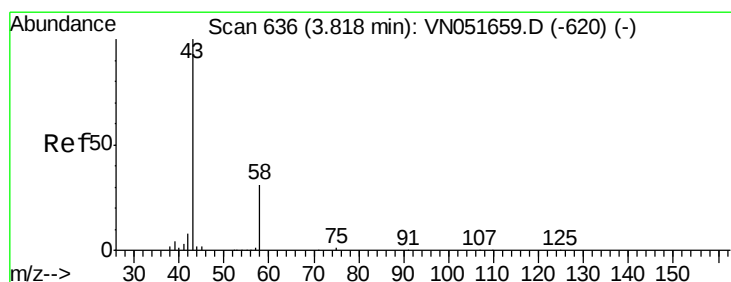
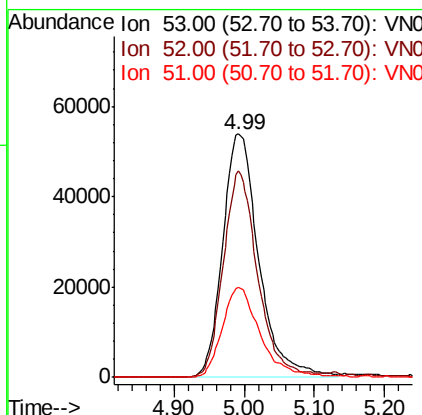
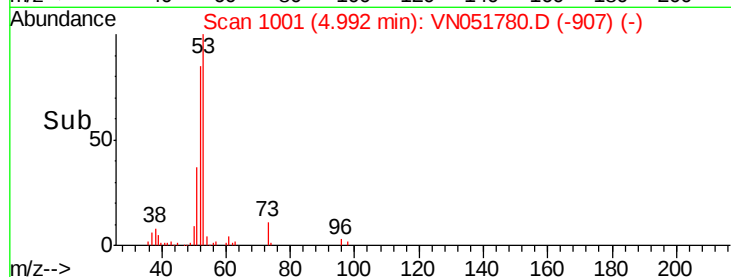
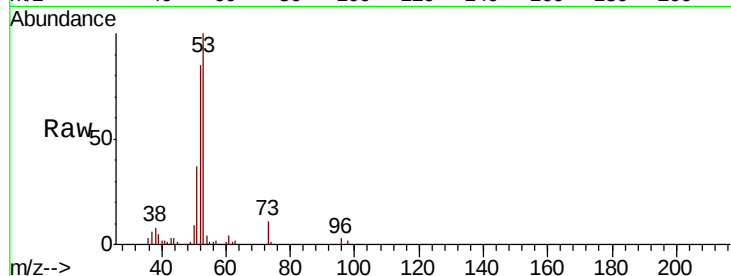
#15
 Acrylonitrile
 Concen: 19349.134 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion:	53	Resp:	193206
Ion Ratio	Lower	Upper	
53	100		
52	79.9	66.2	99.2
51	38.6	30.3	45.5

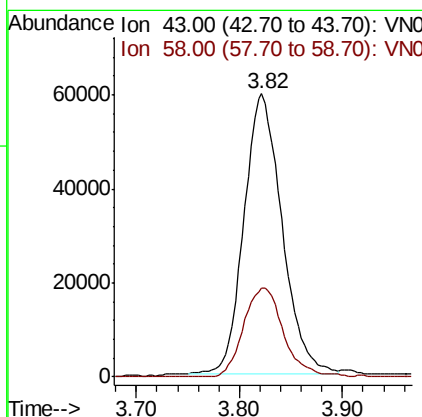
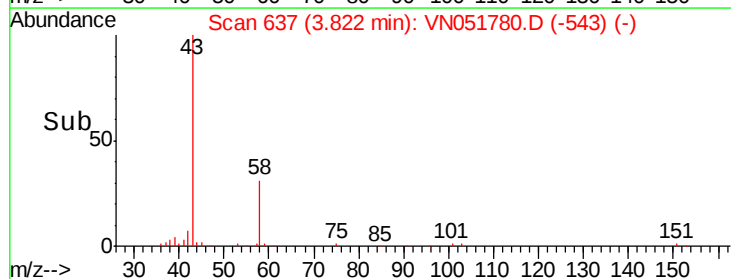
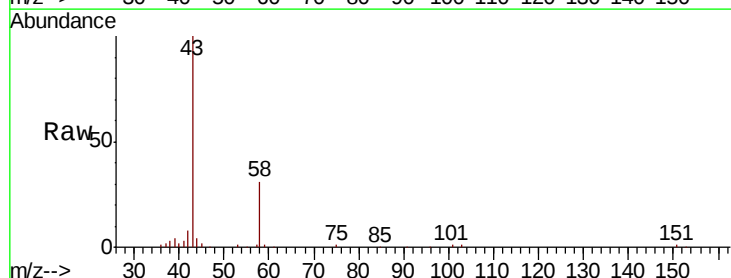
Manual Integrations
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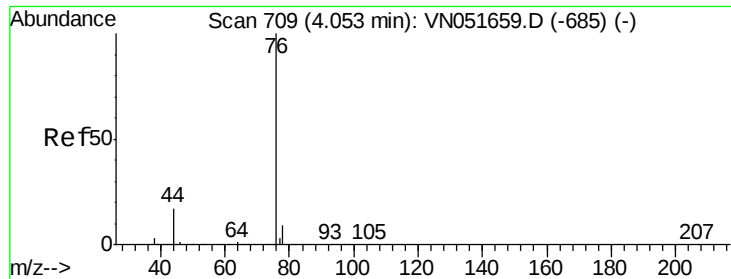
MMDadoda
 10/11/2018 5:51:13 PM



#16
 Acetone
 Concen: 23083.176 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion:	43	Resp:	152087
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.3	36.5





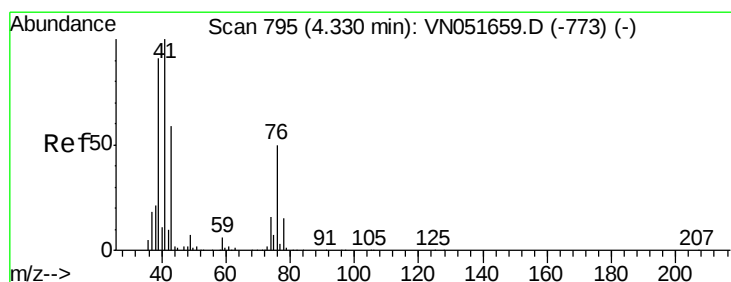
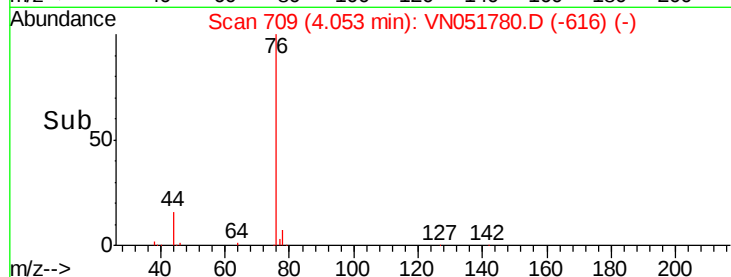
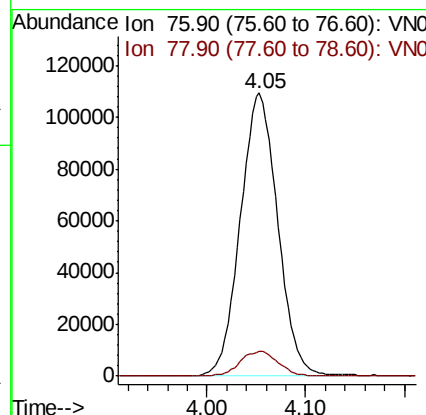
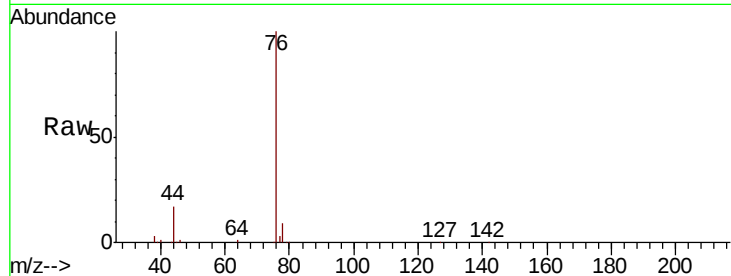
#17
Carbon Disulfide
Concen: 3143.833 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

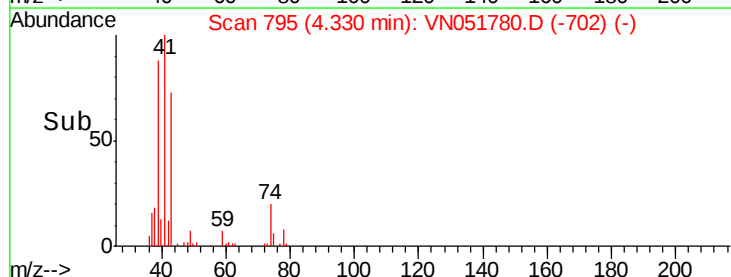
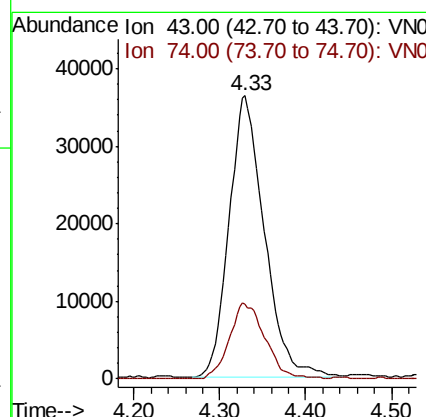
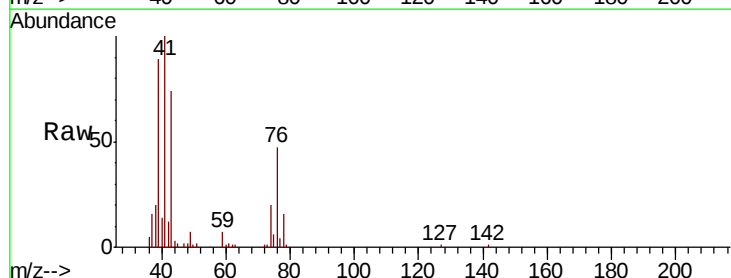
Manual Integrations
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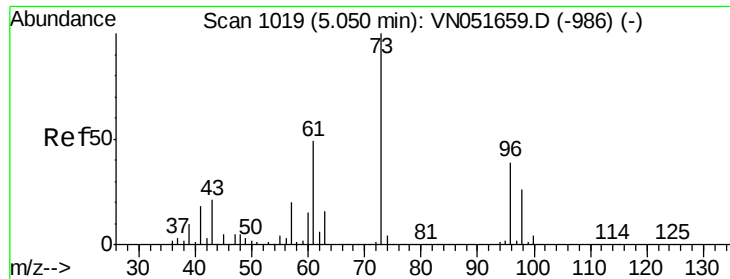
MMDadoda
10/11/2018 5:51:13 PM



#18
Methyl Acetate
Concen: 4417.429 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.5	32.3





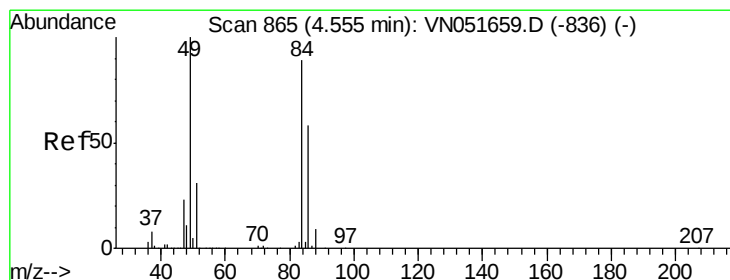
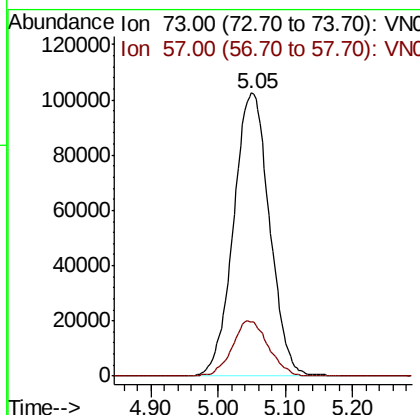
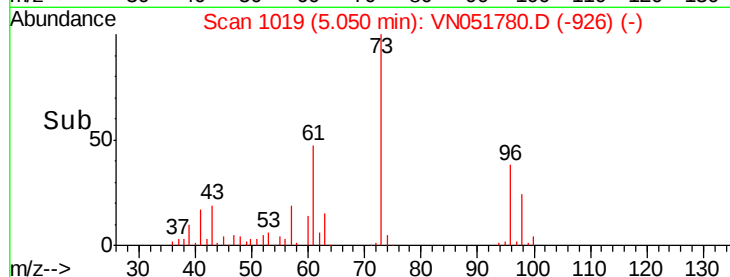
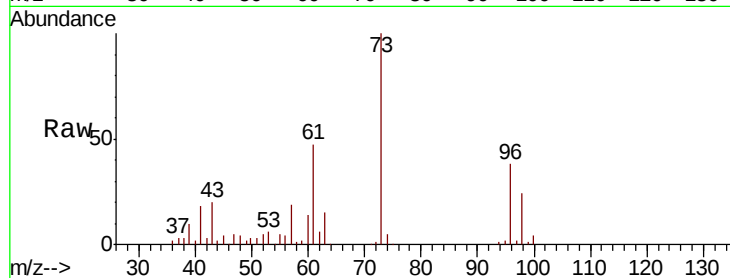
#19
Methvl tert-butvl Ether
Concen: 3844.704 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion: 73 Resp: 380904
Ion Ratio Lower Upper
73 100
57 19.3 15.6 23.4

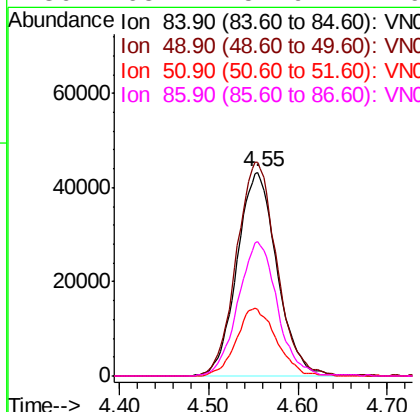
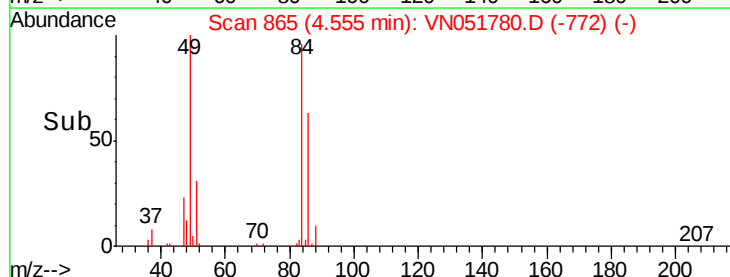
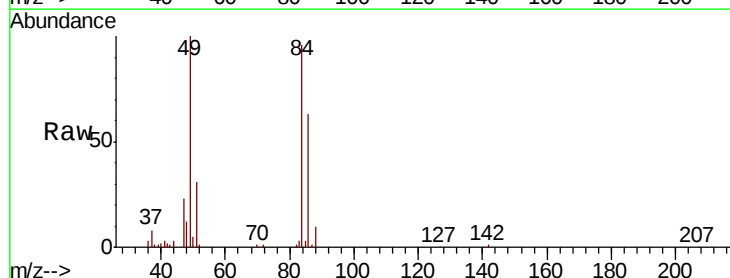
Manual Integrations
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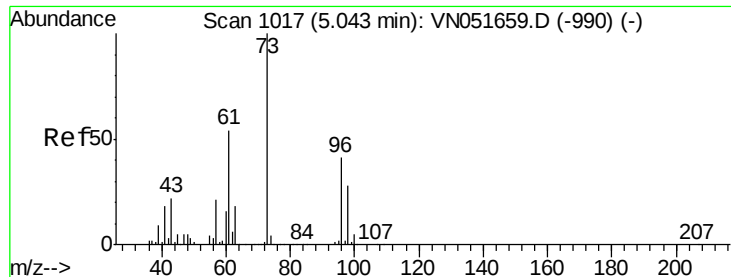
MMDadoda
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#20
Methylene Chloride
Concen: 3840.766 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion: 84 Resp: 134543
Ion Ratio Lower Upper
84 100
49 104.6 89.5 134.3
51 32.5 27.4 41.0
86 65.7 51.9 77.9





#21

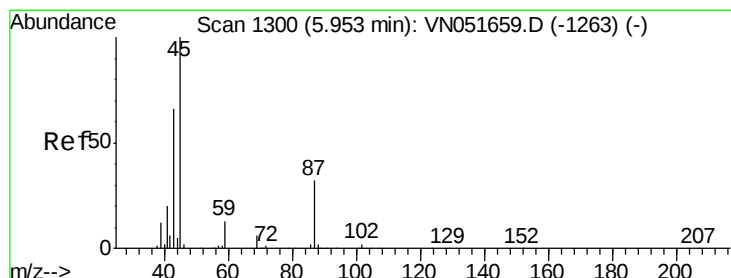
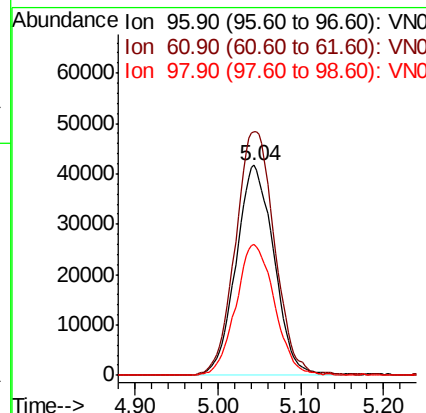
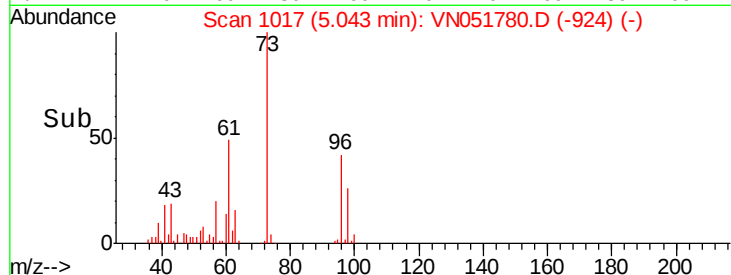
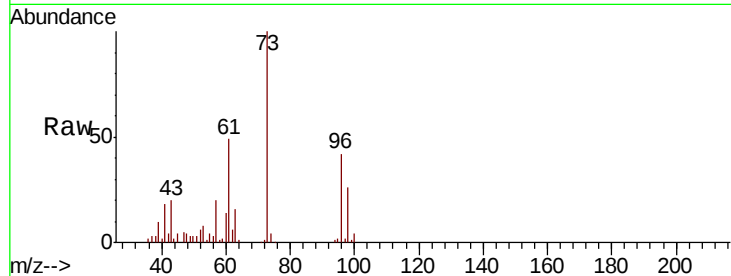
trans-1,2-Dichloroethene
Concen: 3734.895 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	115.8	104.7	157.1
98	62.4	54.6	82.0

Manual Integrations
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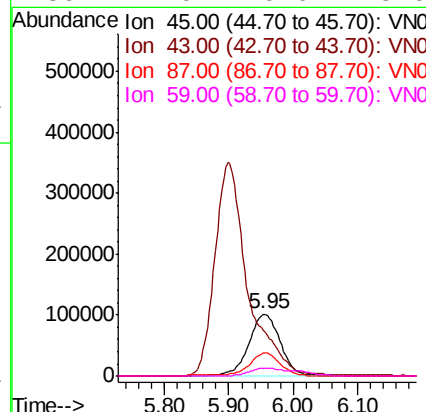
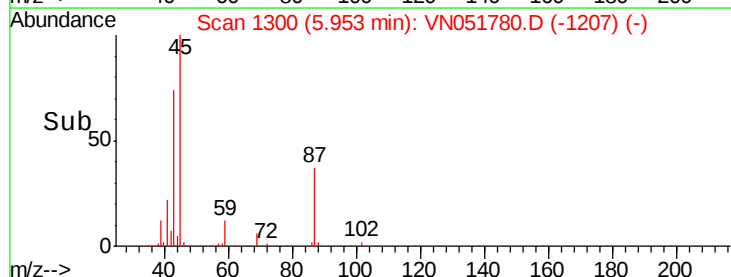
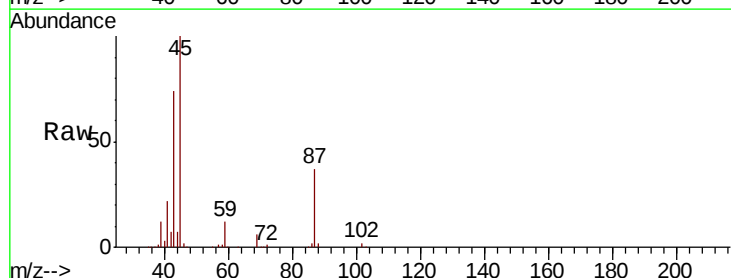
MMDadoda
10/11/2018 5:51:13 PM

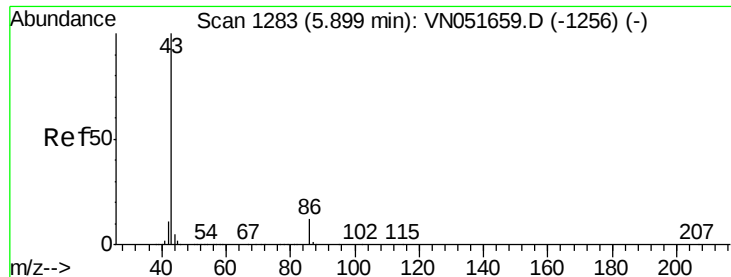


#22

Diisopropyl ether
Concen: 3515.752 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.2	53.0	79.4
87	36.7	26.4	39.6
59	12.0	10.0	15.0





#23

Vinyl Acetate

Concen: 17193.345 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 43 Resp: 1240569

Ion Ratio Lower Upper

43 100

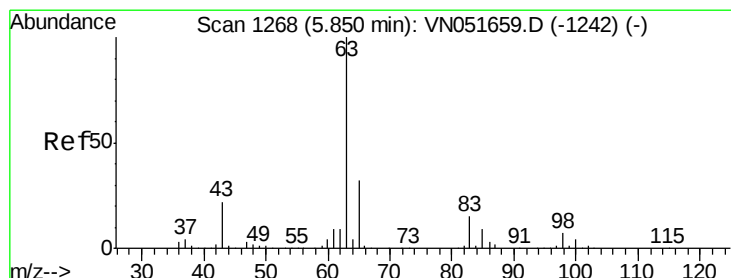
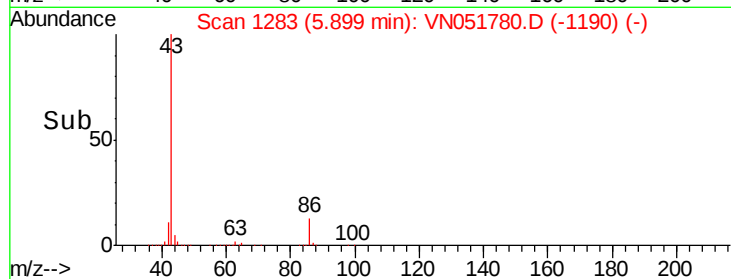
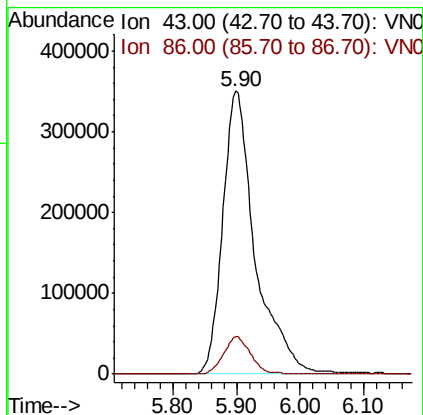
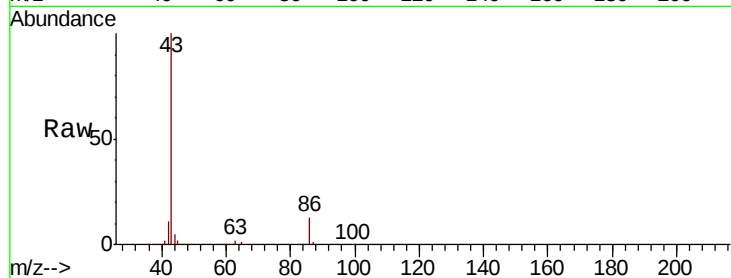
86 13.3 9.3 13.9

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:51:13 PM



#24

1,1-Dichloroethane

Concen: 3657.510 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

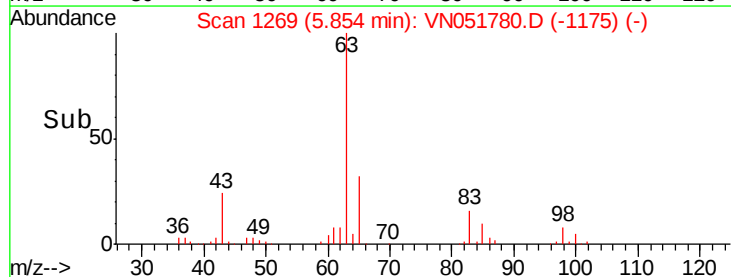
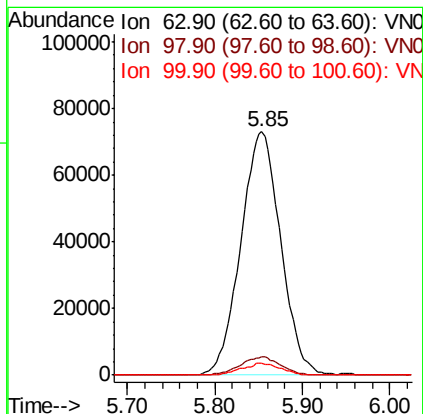
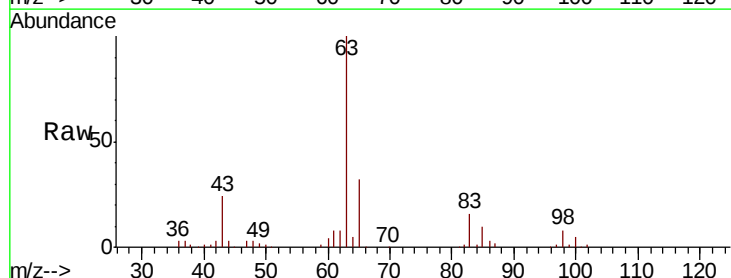
Tgt Ion: 63 Resp: 230831

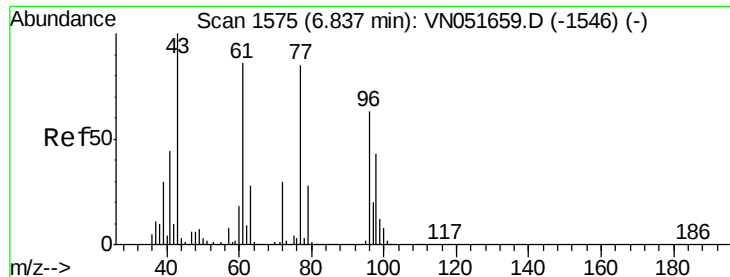
Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

100 4.7 2.2 6.6





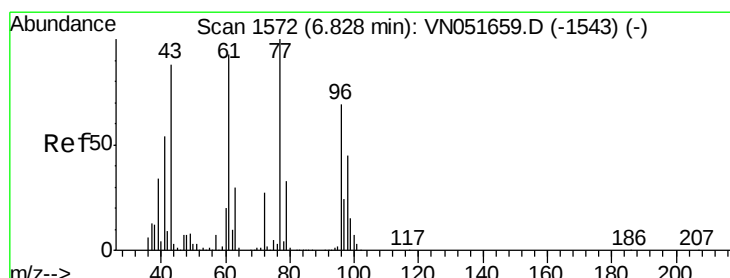
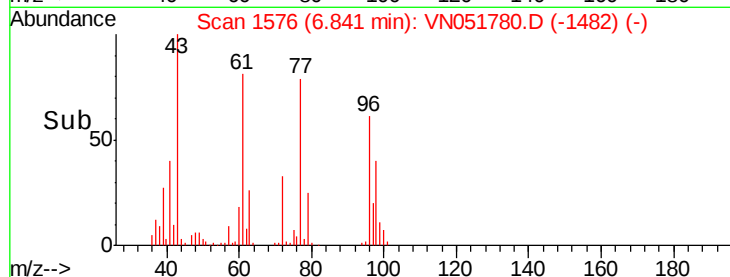
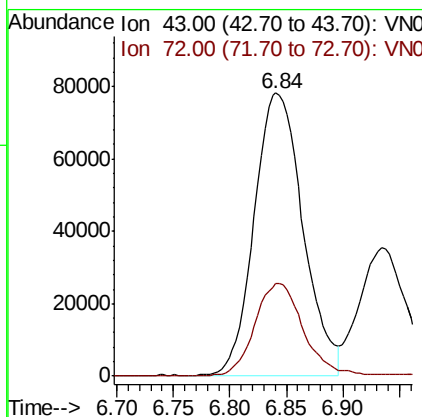
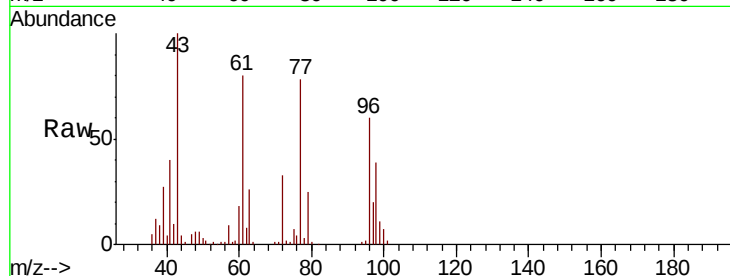
#25
2-Butanone
Concen: 18951.252 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	32.8	24.2	36.2

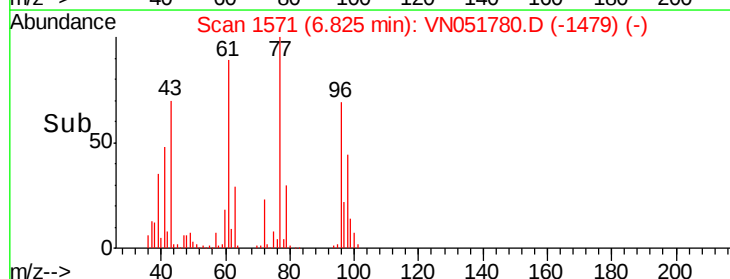
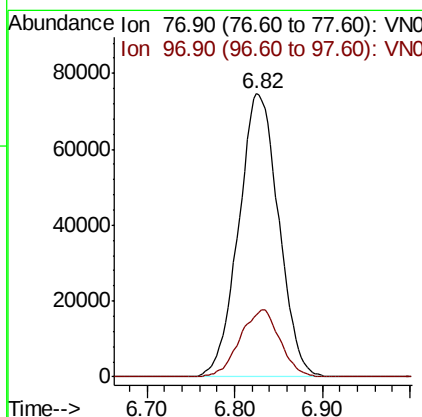
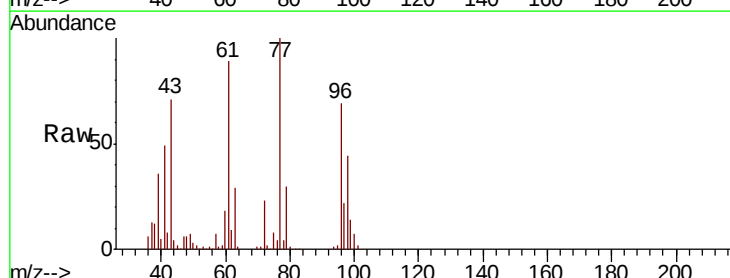
Manual Integrations
APPROVED

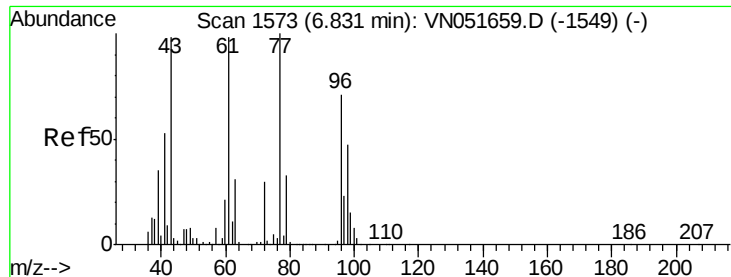
MMDadoda
10/11/2018 5:51:13 PM



#26
2,2-Dichloropropane
Concen: 3742.510 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 3862.646 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

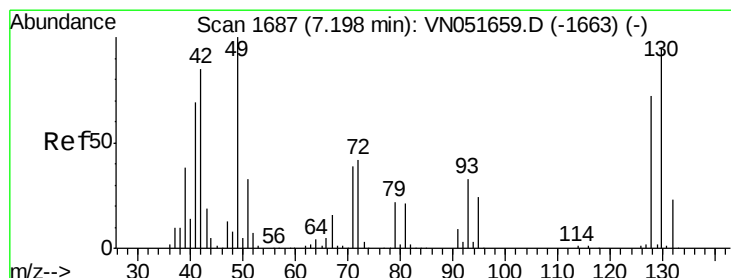
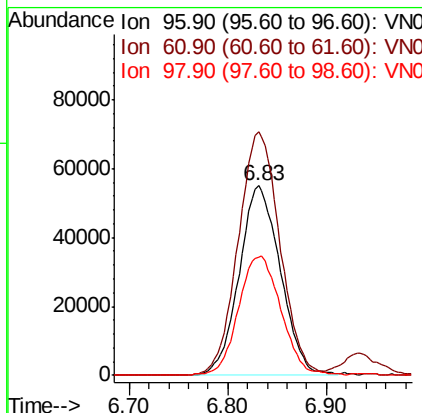
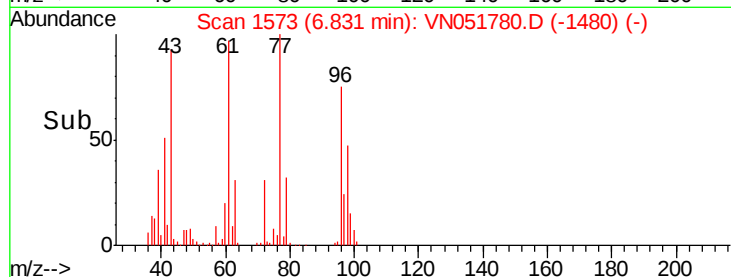
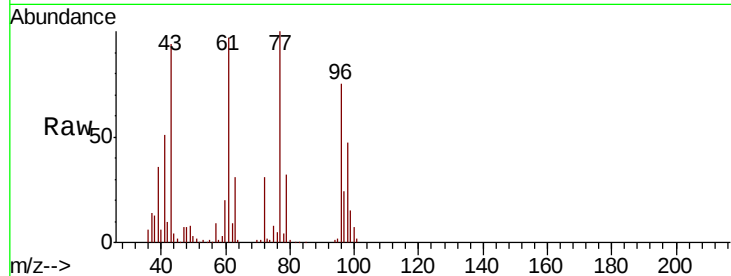
ClientSampleId :

VN1010MBS01

Tot Ion:	96	Resp:	159487
Ion Ratio	Lower	Upper	
96	100		
61	129.7	0.0	275.4
98	64.9	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 3833.732 ug/l

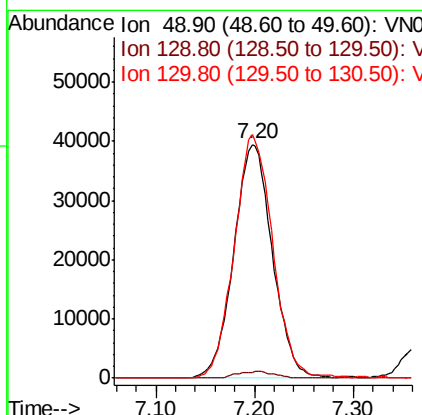
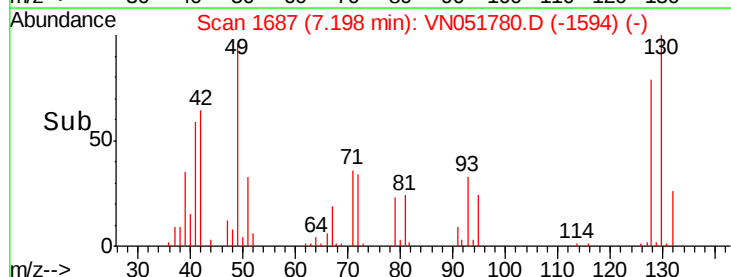
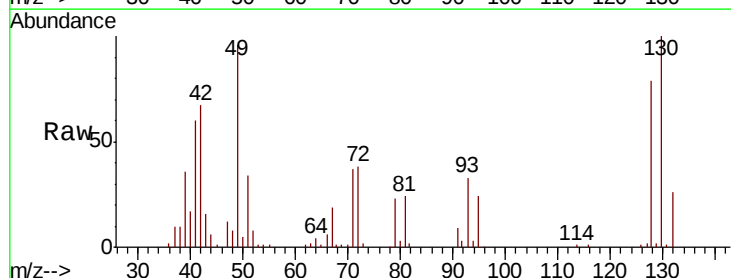
RT: 7.20 min Scan# 1687

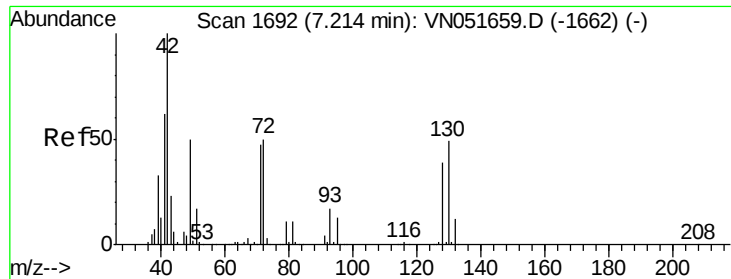
Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Tgt Ion:	49	Resp:	107116
Ion Ratio	Lower	Upper	
49	100		
129	2.7	0.0	4.8
130	103.0	75.7	113.5





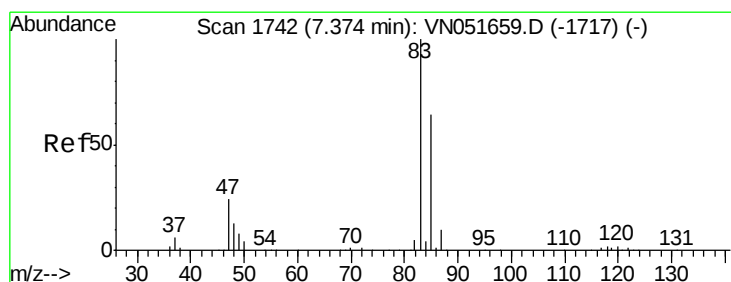
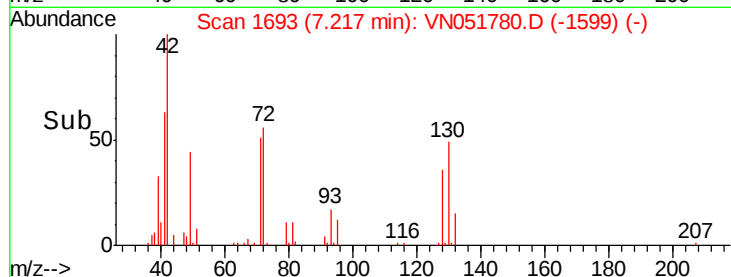
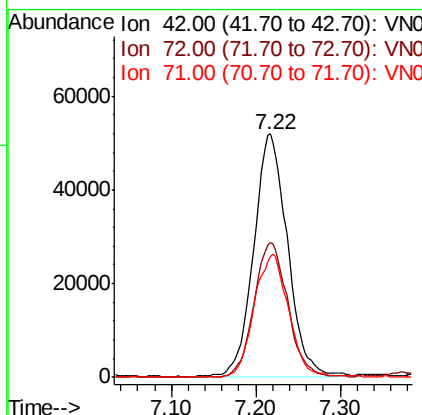
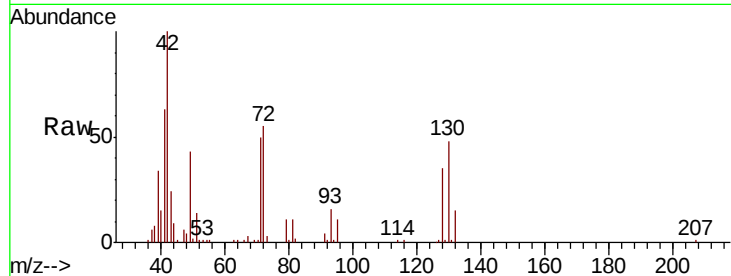
#29
Tetrahydrofuran
Concen: 18981.990 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.7	40.1	60.1
71	52.4	38.0	57.0

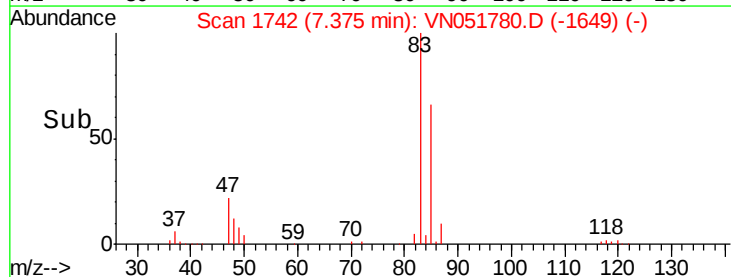
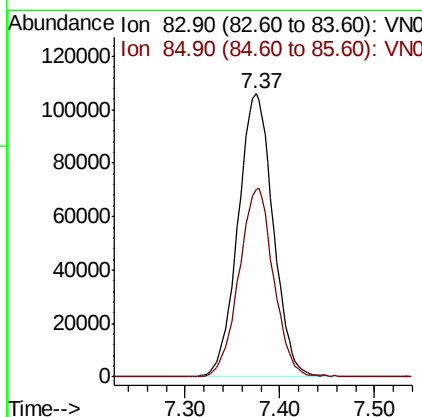
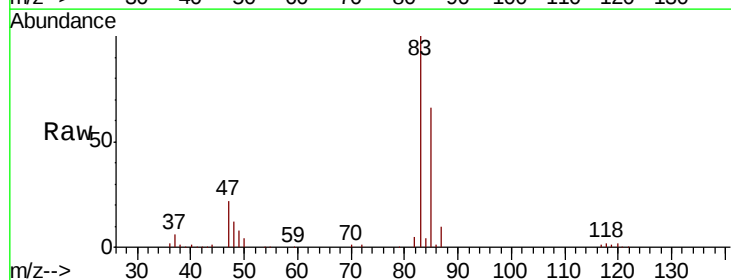
Manual Integrations
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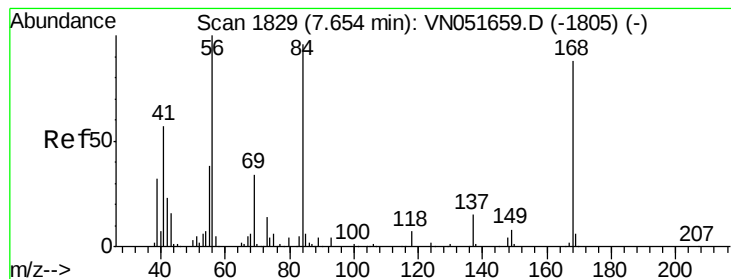
MMDadoda
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#30
Chloroform
Concen: 3861.386 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.6	77.4





#31

Cyclohexane

Concen: 3402.931 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

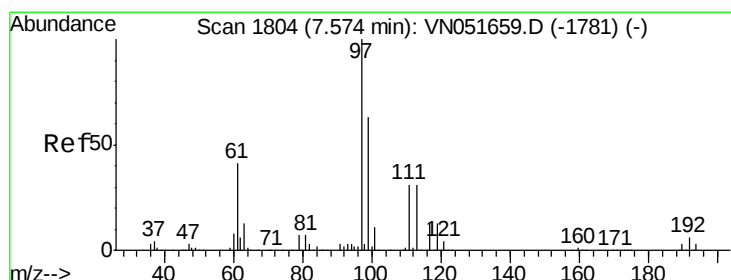
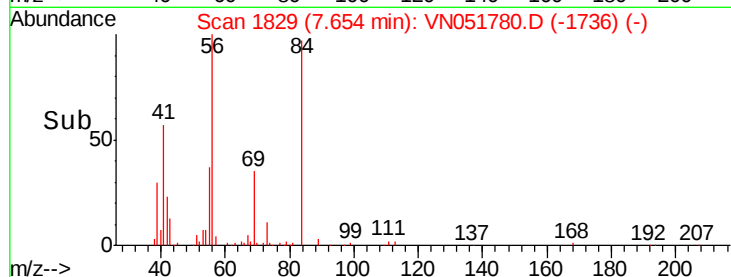
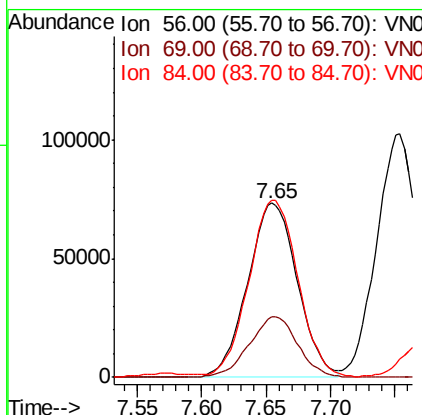
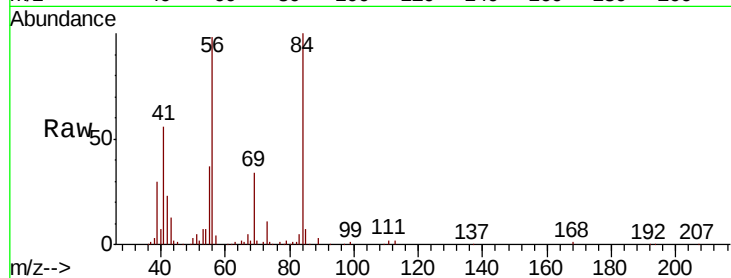
ClientSampled :

VN1010MBS01

Tot Ion:	56	Resp:	196685
Ion Ratio		Lower	Upper
56	100		
69	34.6	27.5	41.3
84	99.8	76.7	115.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 3803.202 ug/l

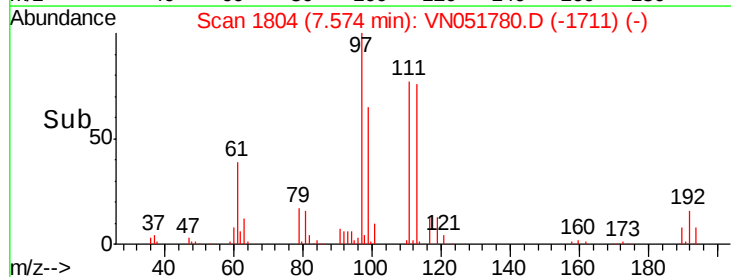
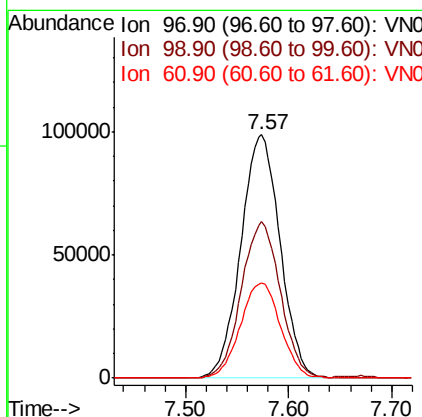
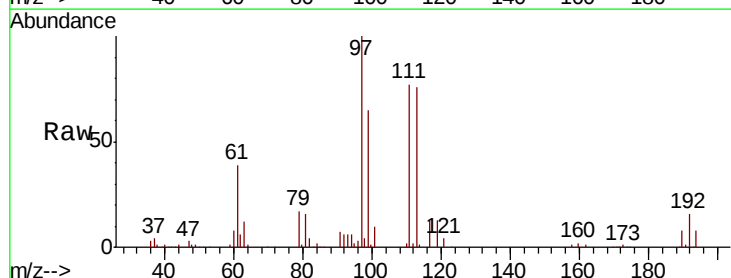
RT: 7.57 min Scan# 1804

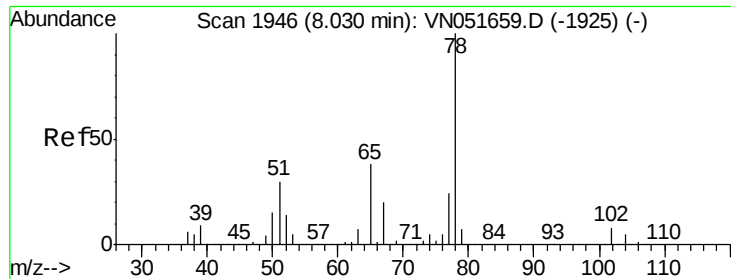
Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Tgt Ion:	97	Resp:	261399
Ion Ratio		Lower	Upper
97	100		
99	64.0	51.9	77.9
61	40.0	33.4	50.0





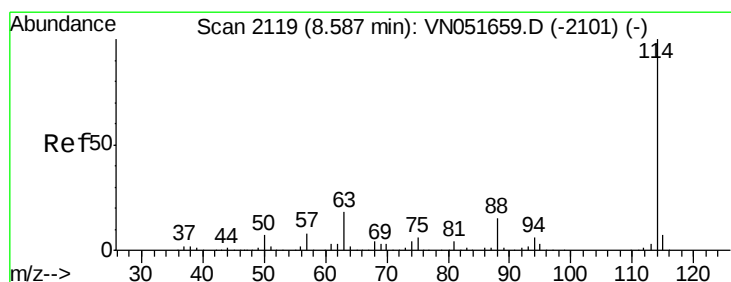
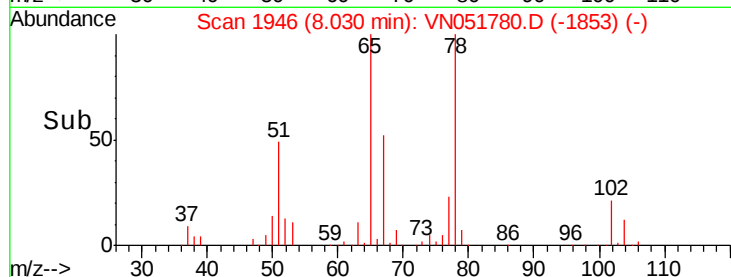
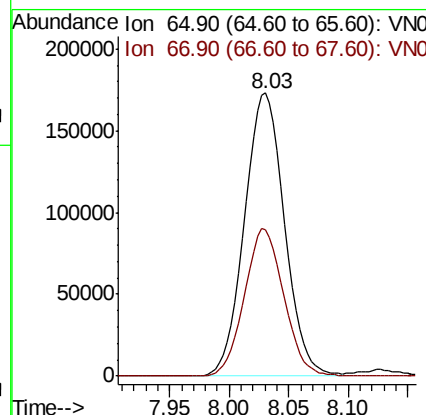
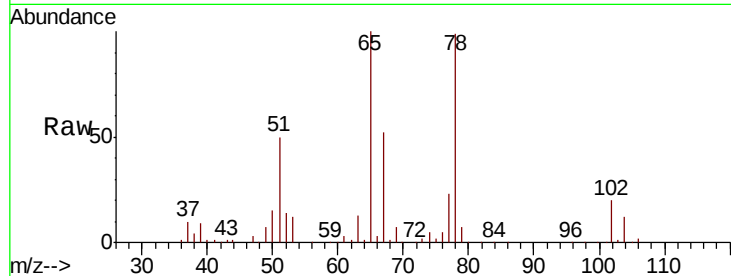
#33
 1,2-Dichloroethane-d4
 Concen: 3803.202 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	403787		
67	51.4	0.0	103.6	

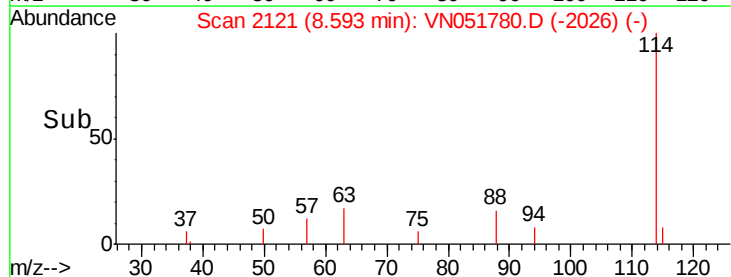
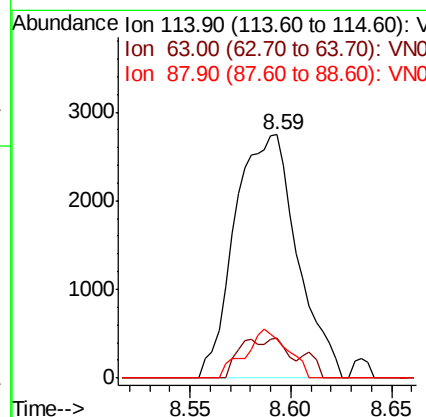
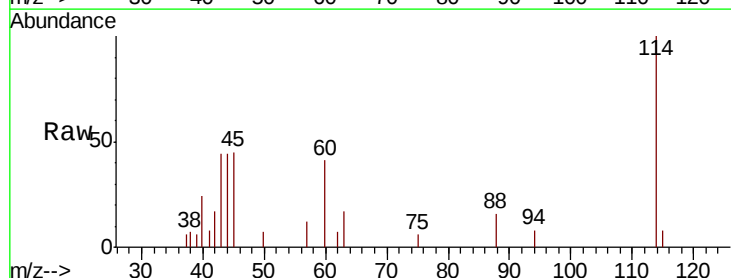
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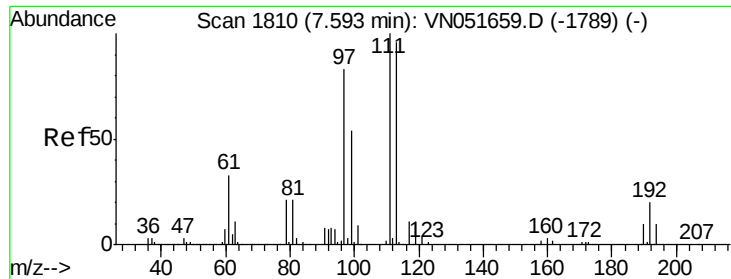
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	5913		
63	16.6	0.0	36.2	
88	15.9	0.0	30.2	





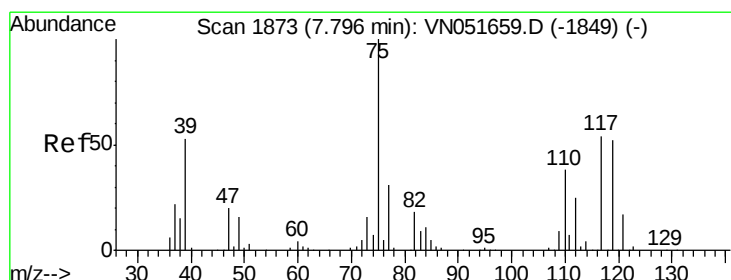
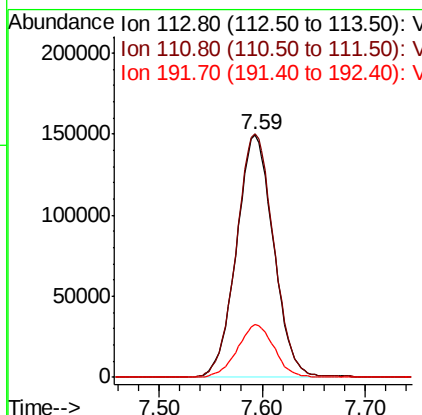
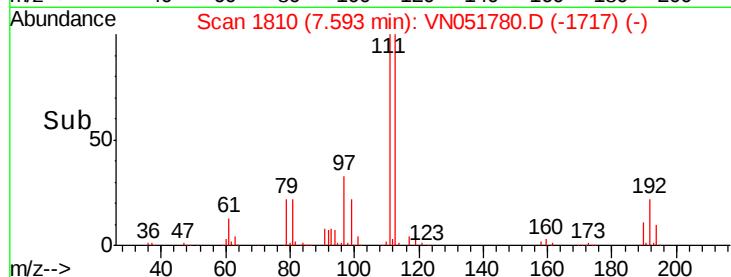
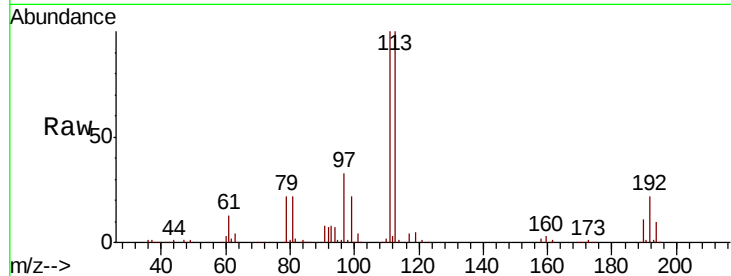
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	372816		
111	101.8		81.8	122.8
192	21.6		16.5	24.7

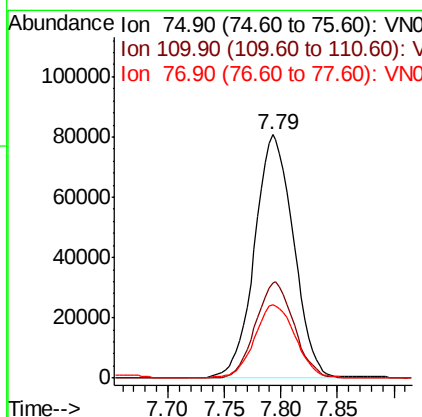
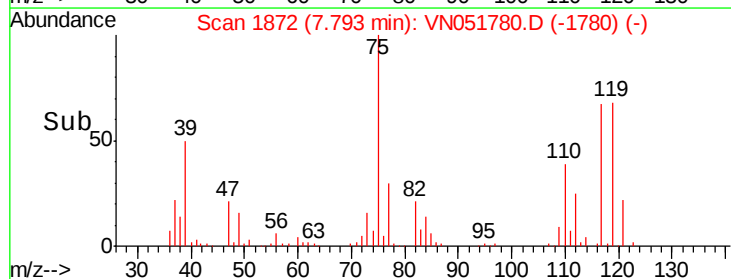
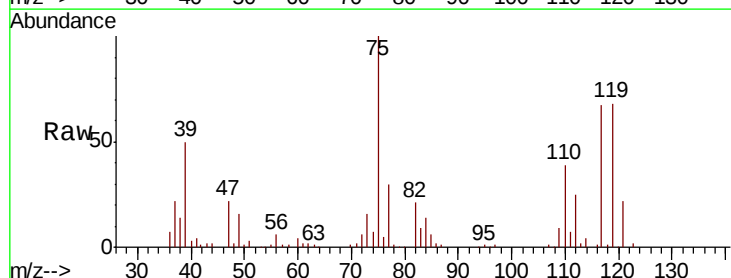
Manual Integrations
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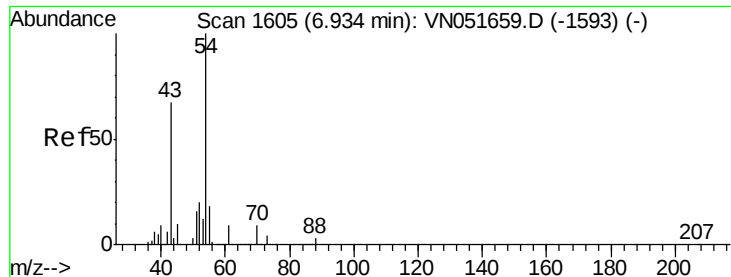
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#36
 1,1-Dichloropropene
 Concen: 3125.333 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193163		
110	39.1		19.3	57.8
77	31.7		24.7	37.1





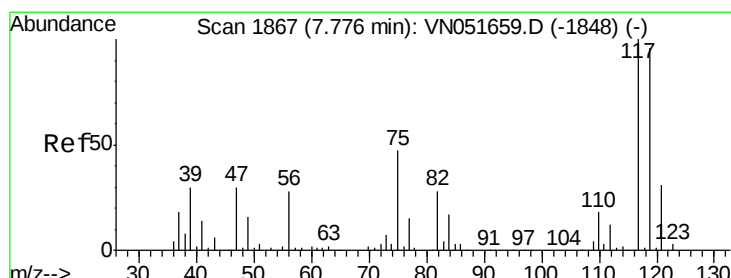
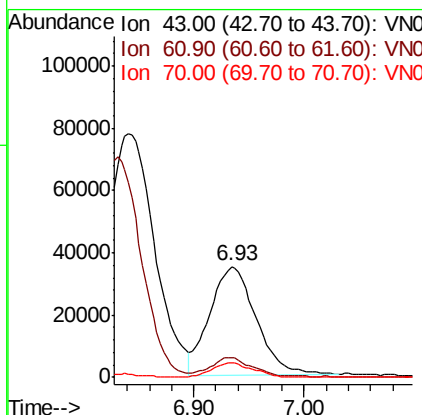
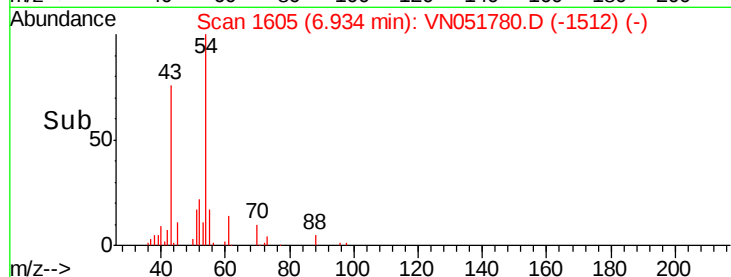
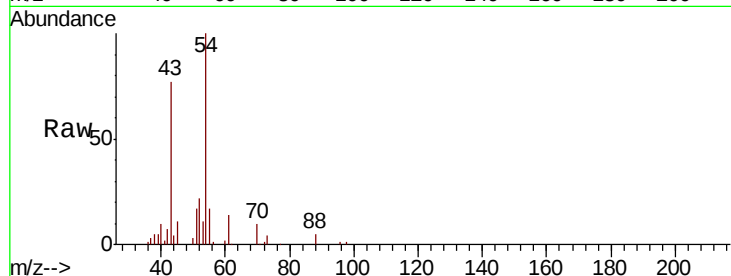
#37
Ethyl Acetate
Concen: 3159.678 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.8	8.7	13.1

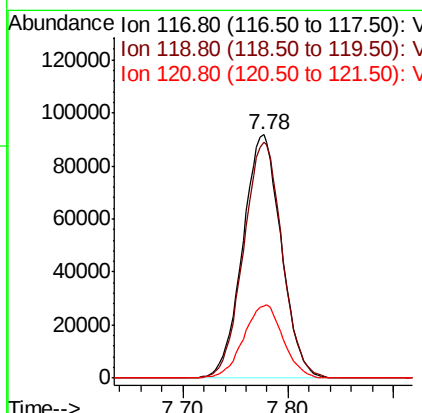
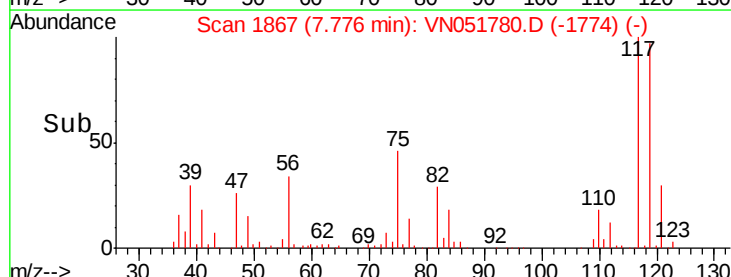
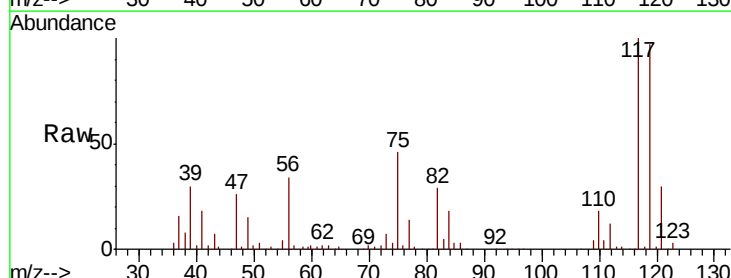
Manual Integrations
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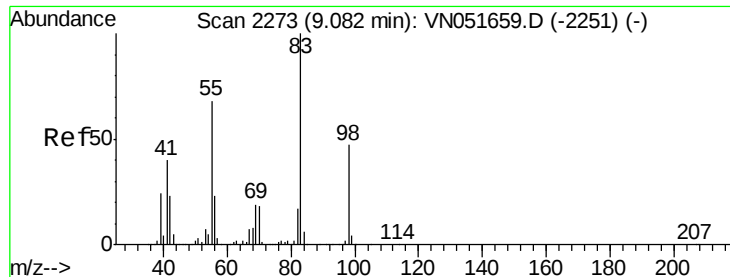
MMDadoda
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#38
Carbon Tetrachloride
Concen: 3147.301 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.6
121	29.7	25.0	37.6





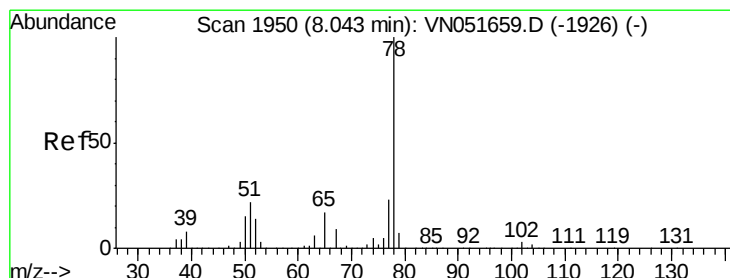
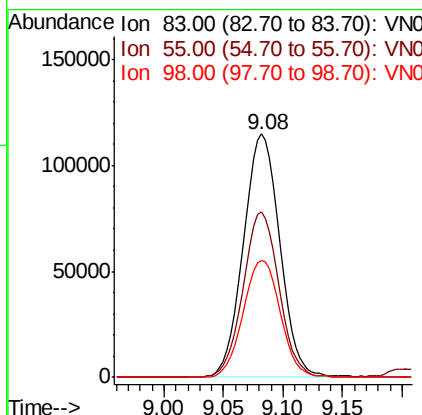
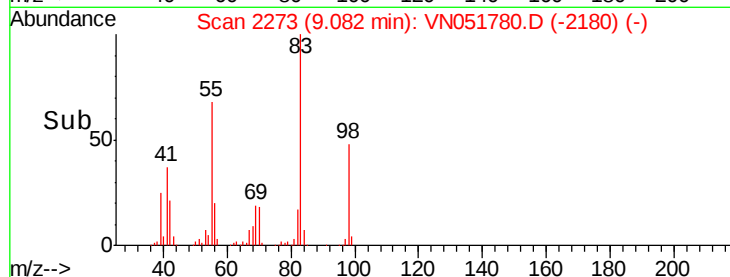
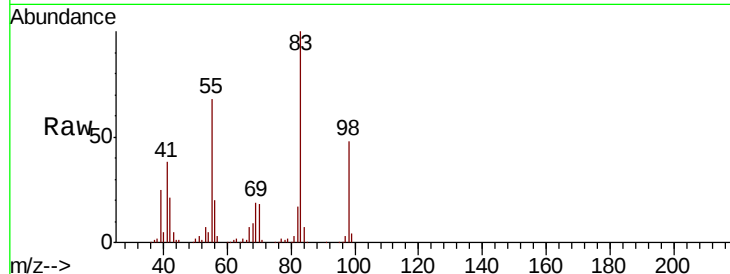
#39
Methvlcvclohexane
Concen: 3152.333 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	54.3	81.5
98	48.2	37.4	56.2

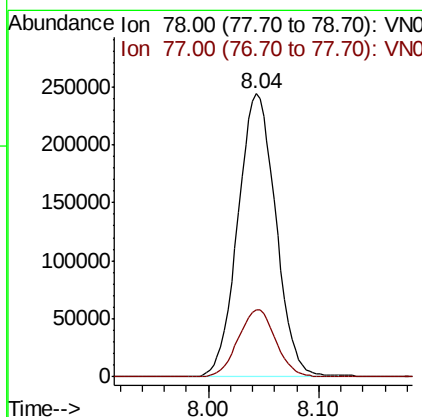
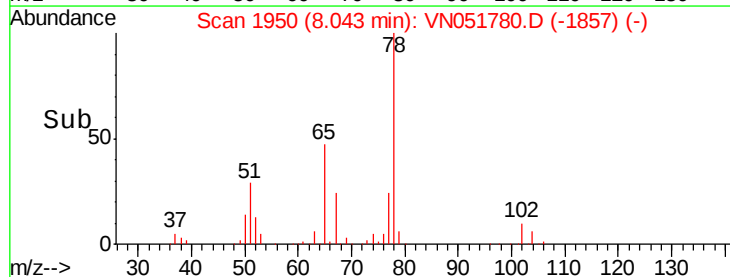
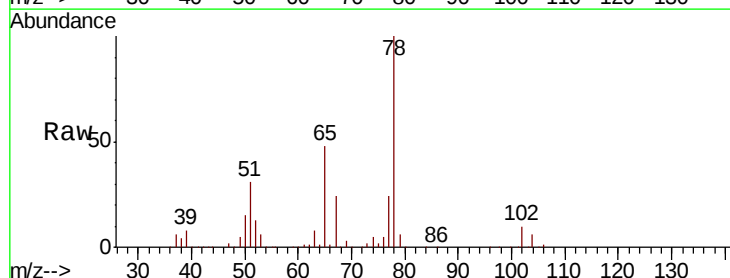
Manual Integrations
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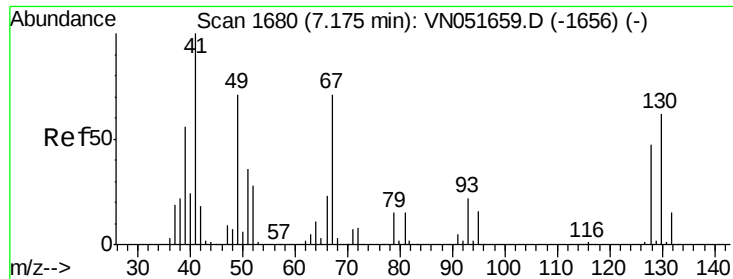
MMDadoda
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#40
Benzene
Concen: 3164.130 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7





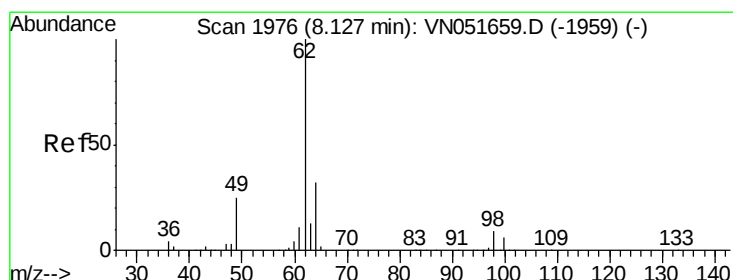
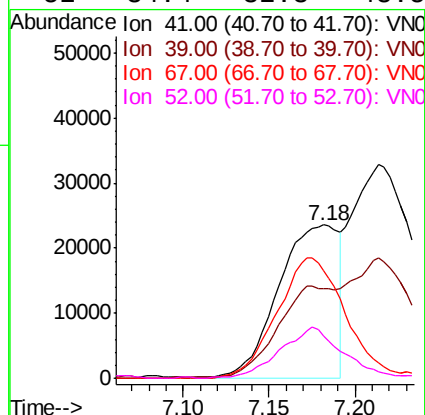
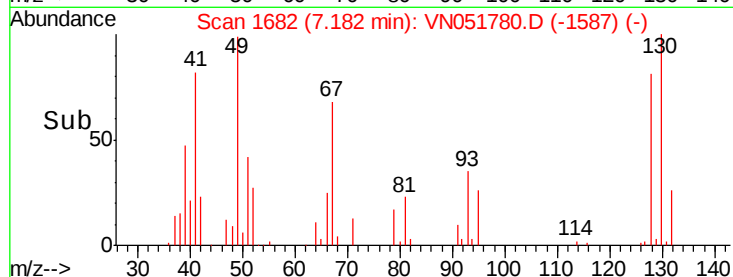
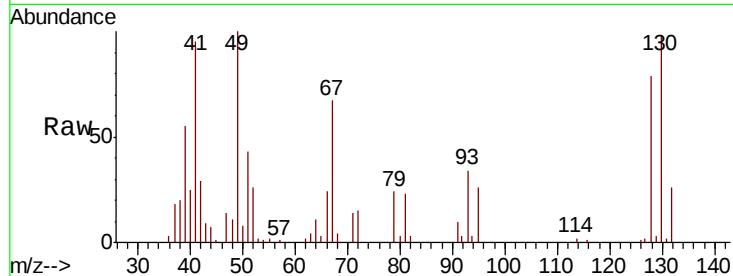
#41
Methacrylonitrile
Concen: 3482.194 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	53.9	80.9	
67	90.1	78.1	117.1	
52	34.4	32.3	48.5	

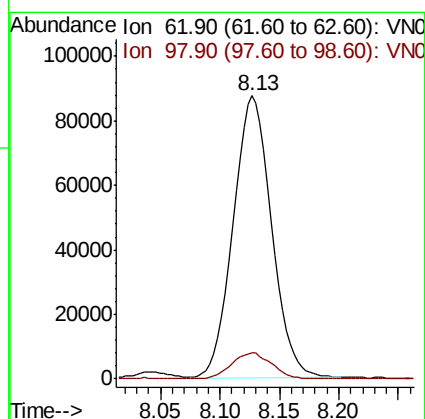
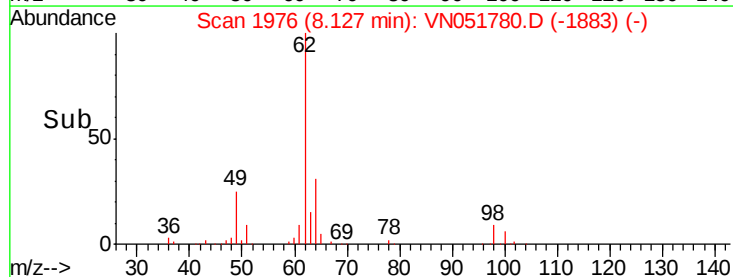
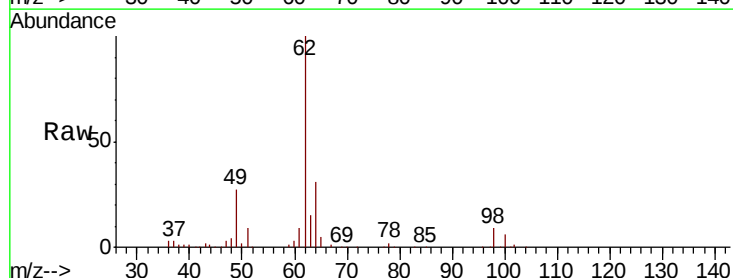
Manual Integrations
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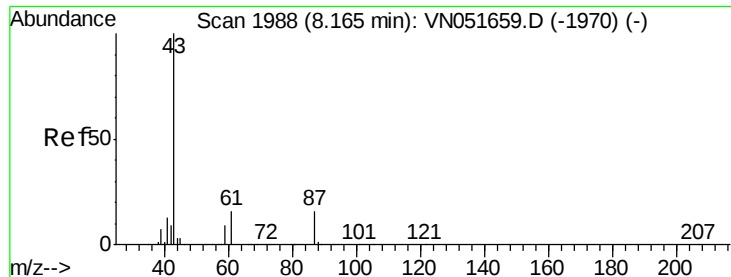
MMDadoda
10/11/2018 5:51:13 PM



#42
1,2-Dichloroethane
Concen: 3161.509 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.4	





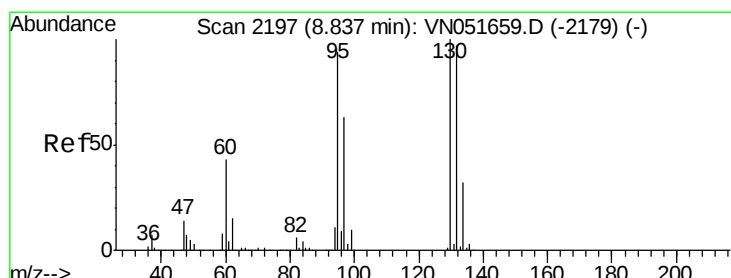
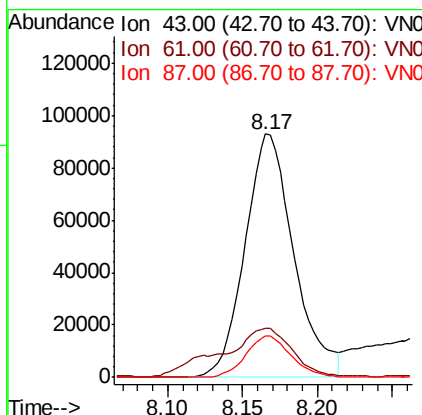
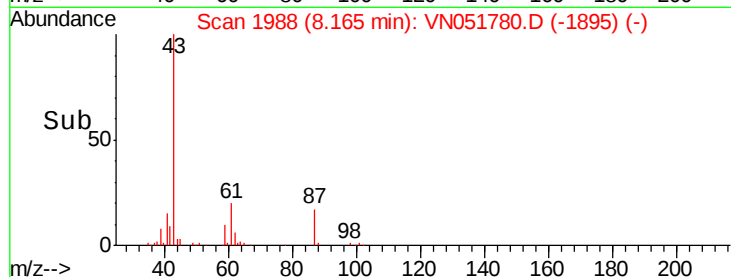
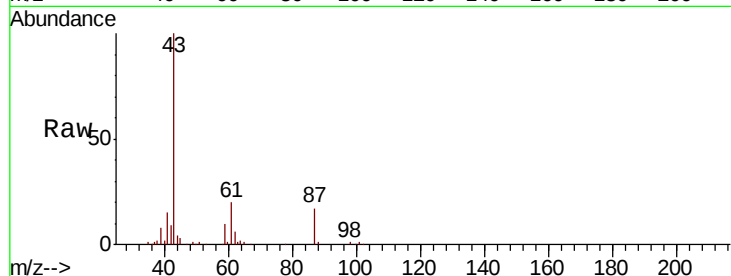
#43
Isopropyl Acetate
Concen: 3119.511 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	15.8	23.6#
87	15.9	12.6	19.0

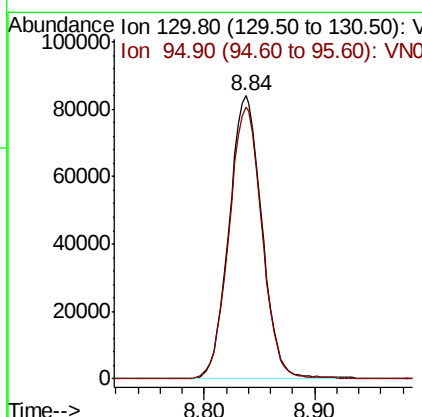
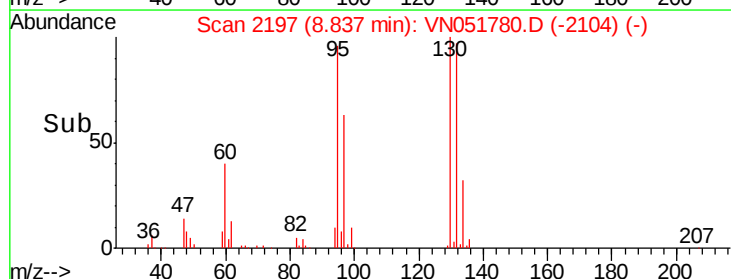
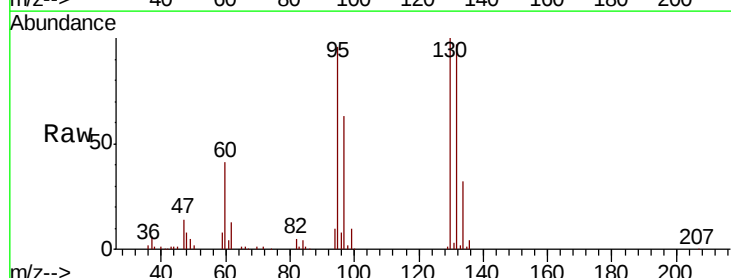
Manual Integrations
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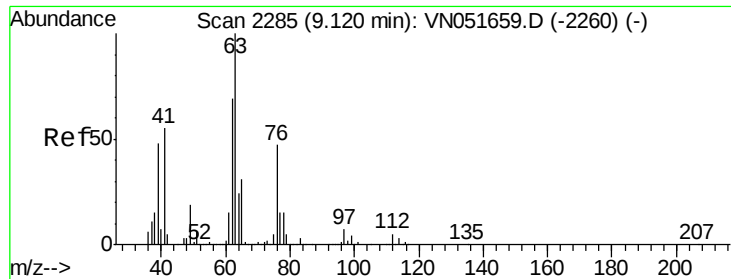
MMDadoda
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#44
Trichloroethene
Concen: 3328.304 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 3111.966 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 63 Resp: 140971

Ion Ratio Lower Upper

63 100

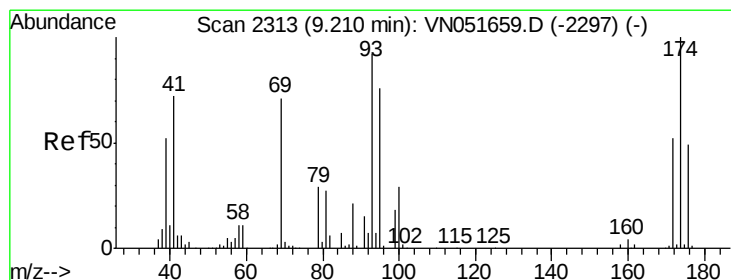
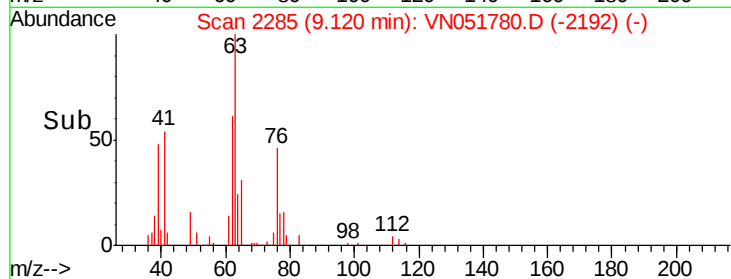
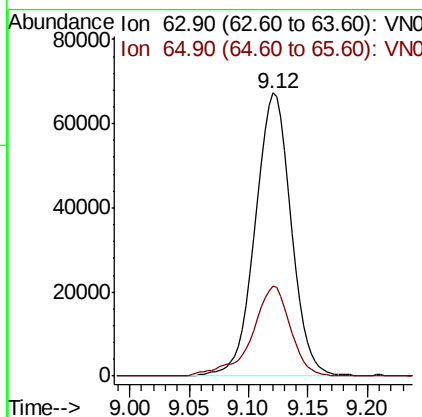
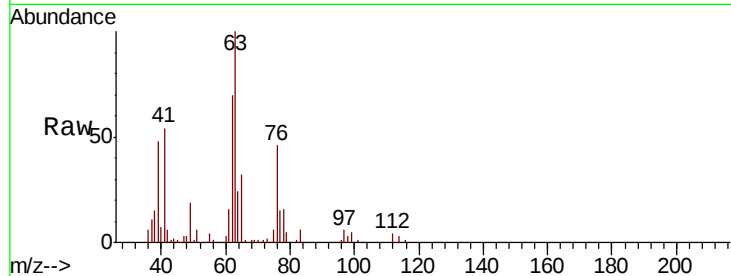
65 31.9 25.0 37.4

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#46

Dibromomethane

Concen: 3284.557 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

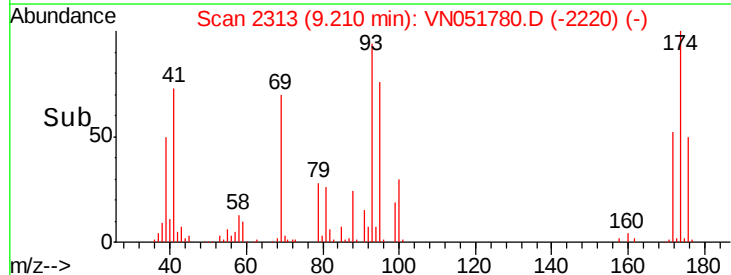
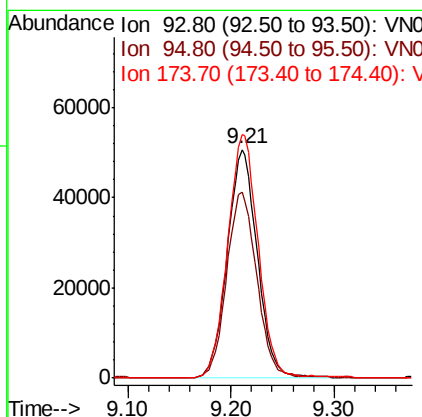
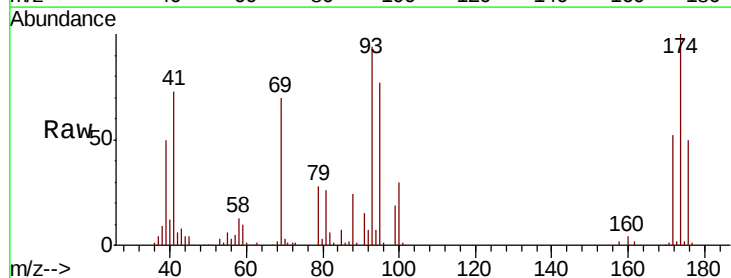
Tgt Ion: 93 Resp: 103420

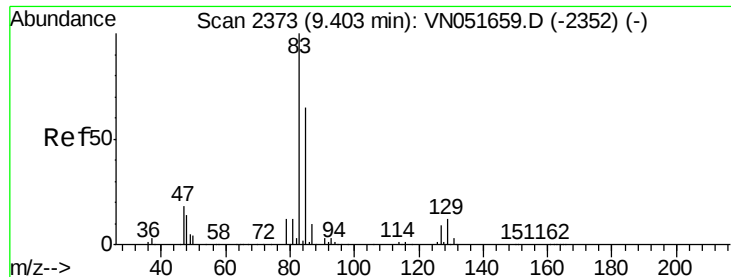
Ion Ratio Lower Upper

93 100

95 81.2 66.6 100.0

174 107.6 85.9 128.9





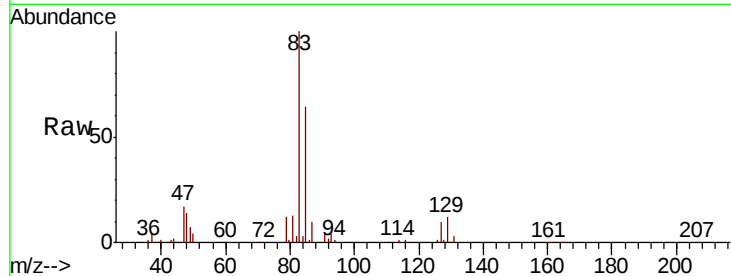
#47
Bromodichloromethane
Concen: 3050.026 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

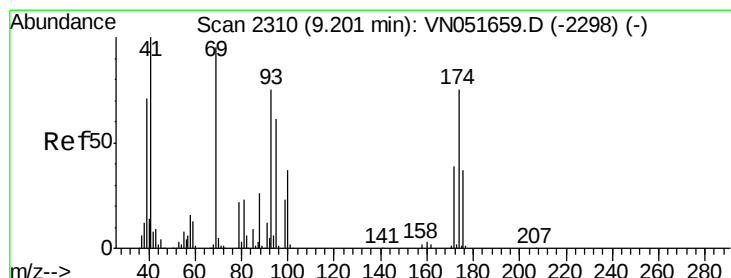
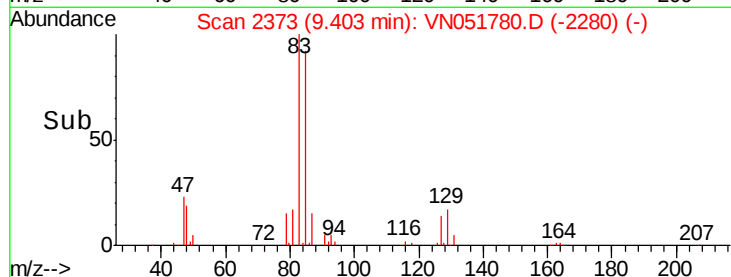
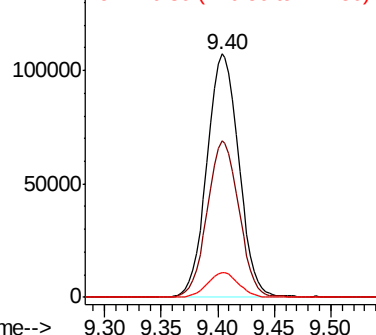
Tot Ion	83	Resp	211409
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.6	77.4
127	10.1	7.3	10.9

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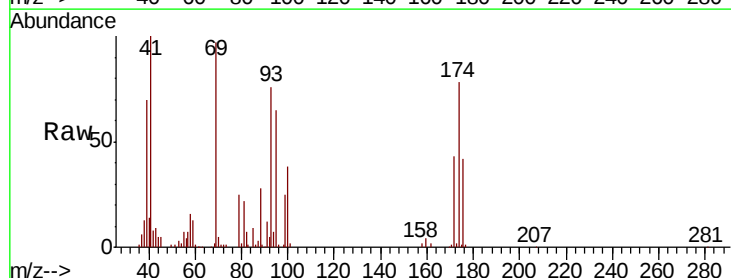


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

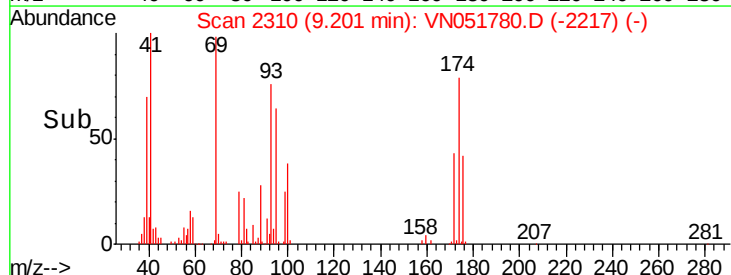
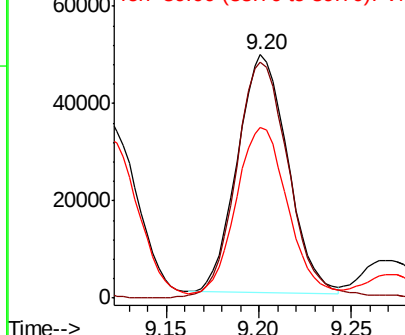


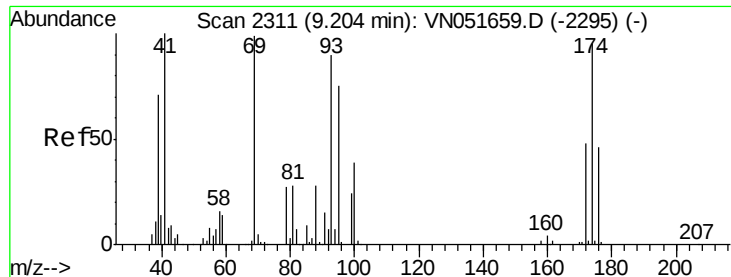
#48
Methyl methacrylate
Concen: 3000.684 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	41	Resp	92150
Ion Ratio	Lower	Upper	
41	100		
69	103.9	78.6	118.0
39	73.8	59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





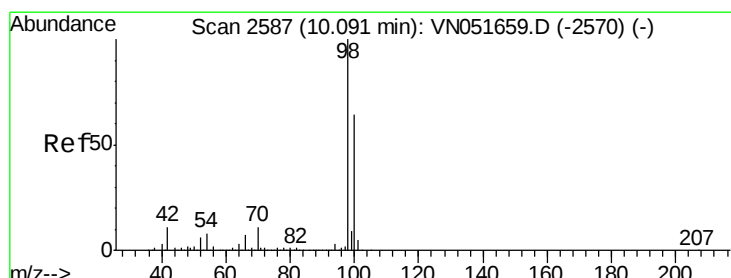
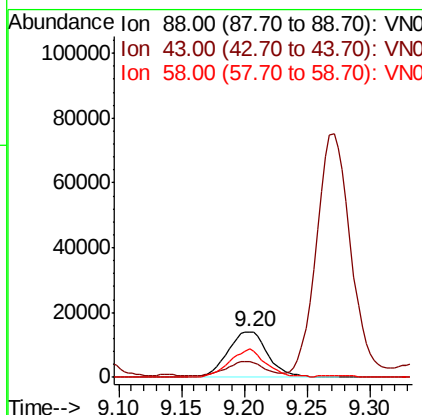
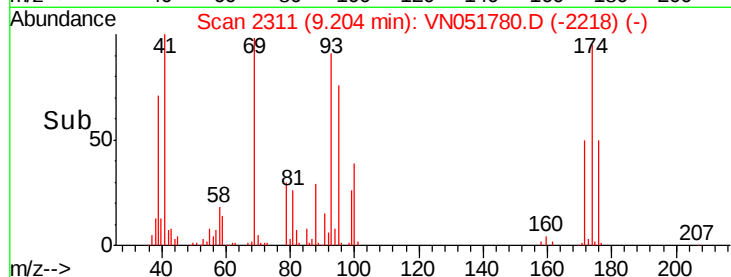
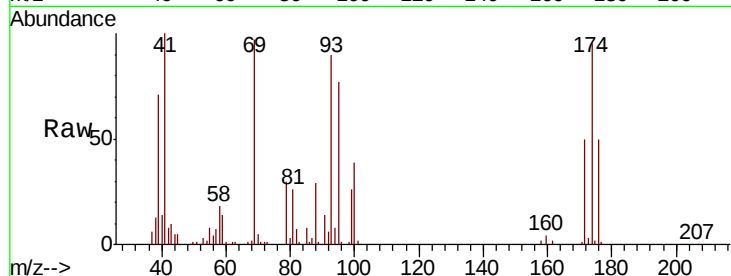
#49
1,4-Dioxane
Concen: 68469.398 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	24.5	36.7
58	55.2	47.6	71.4

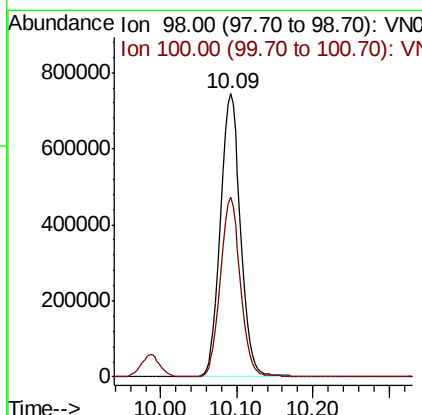
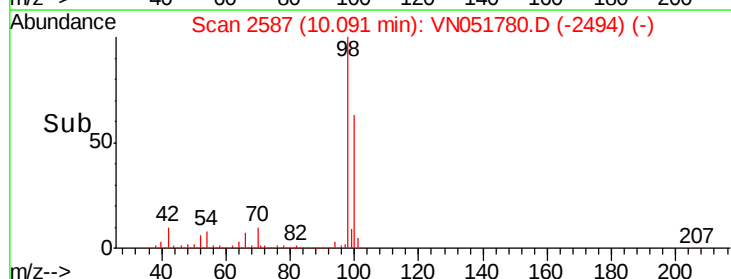
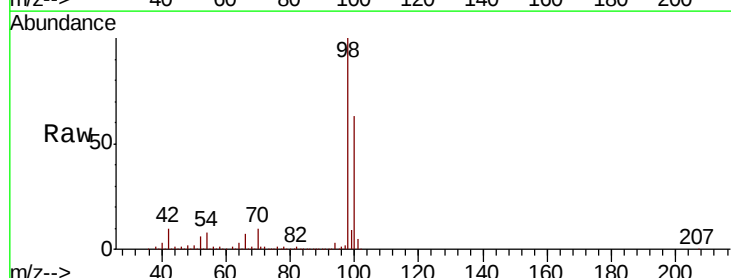
Manual Integrations
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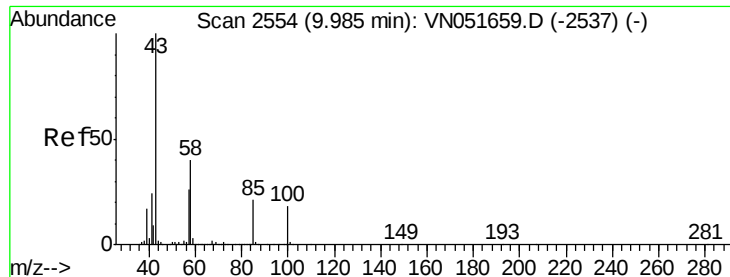
MMDadoda
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#50
Toluene-d8
Concen: 68469.398 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 15855.145 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 43 Resp: 539954

Ion Ratio Lower Upper

43 100

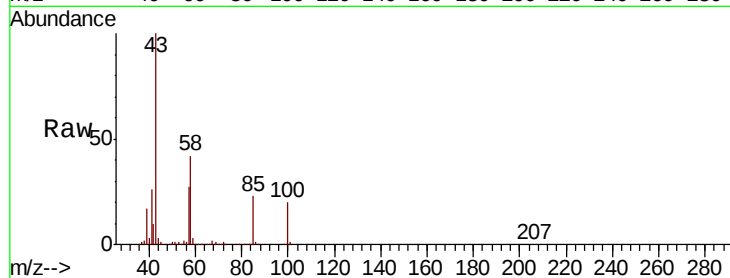
58 41.6 32.2 48.2

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Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

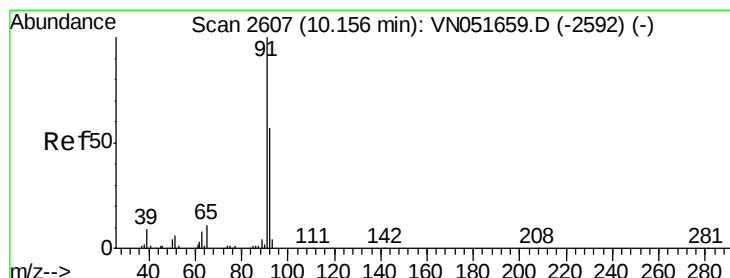
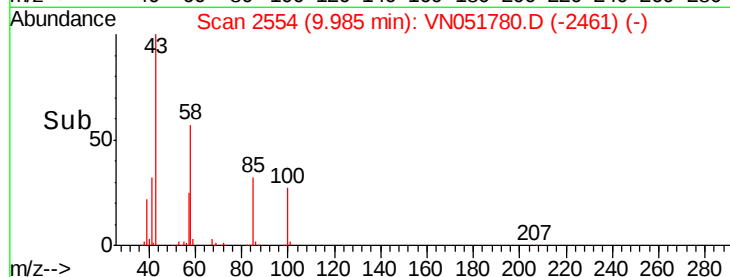
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 3155.254 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051780.D

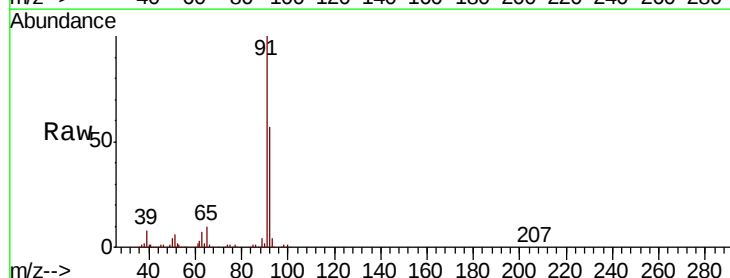
Acq: 10 Oct 2018 10:46

Tgt Ion: 92 Resp: 384503

Ion Ratio Lower Upper

92 100

91 177.0 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

400000

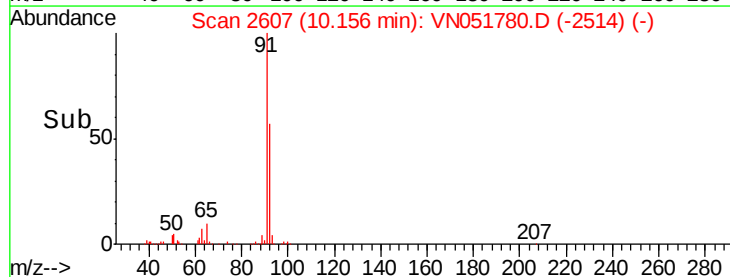
300000

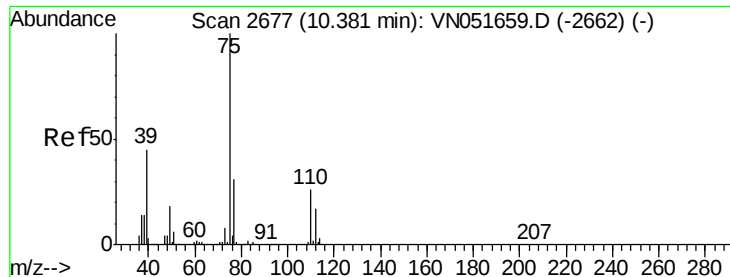
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 2951.636 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 75 Resp: 211108

Ion Ratio Lower Upper

75 100

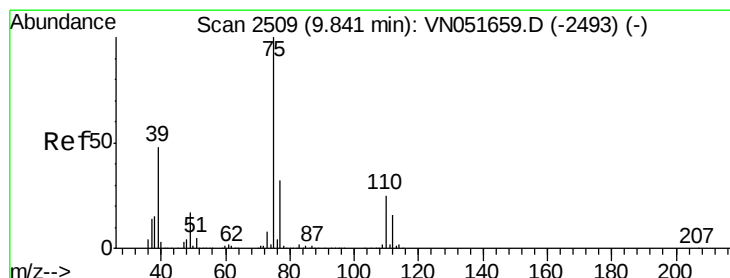
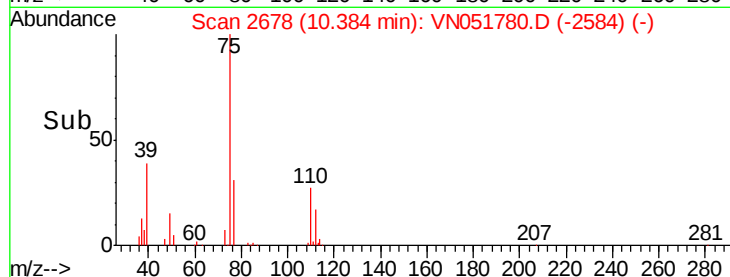
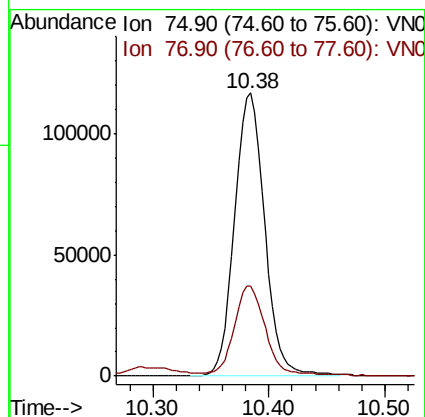
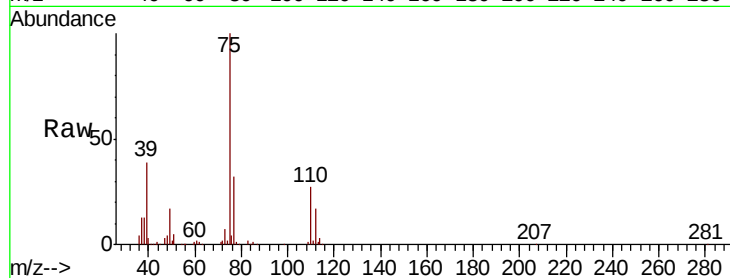
77 31.1 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 2967.675 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

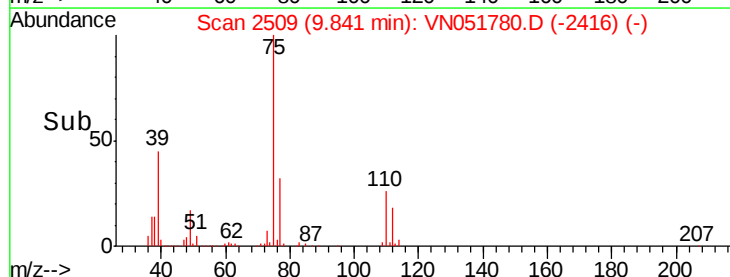
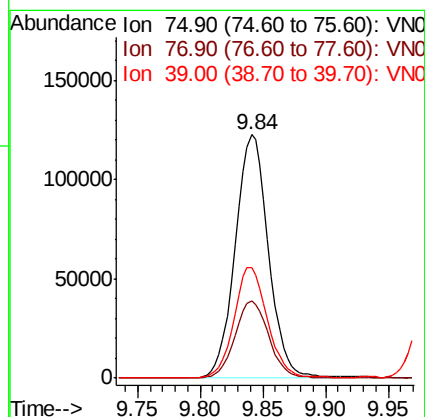
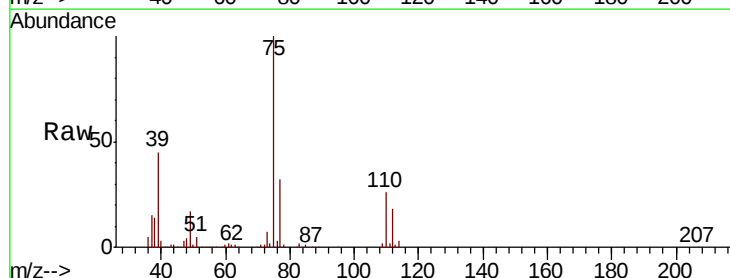
Tgt Ion: 75 Resp: 225395

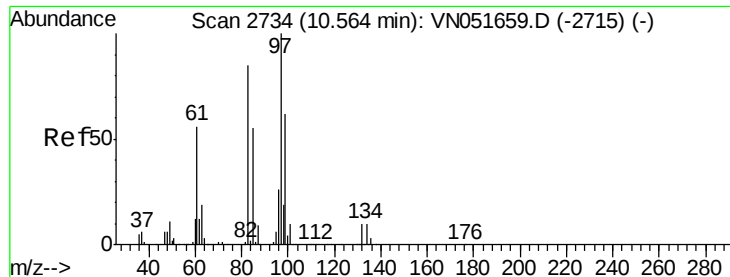
Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 45.4 38.1 57.1





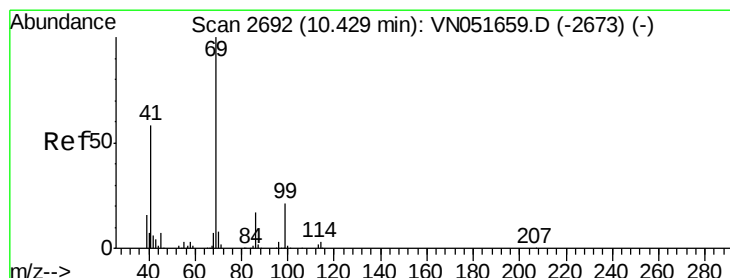
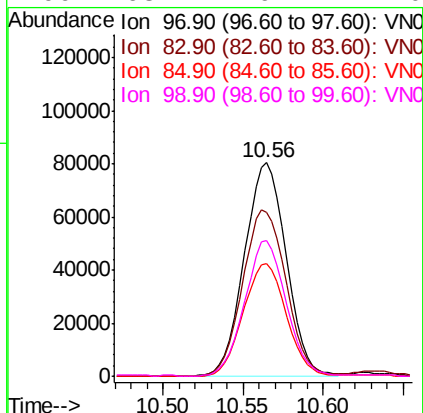
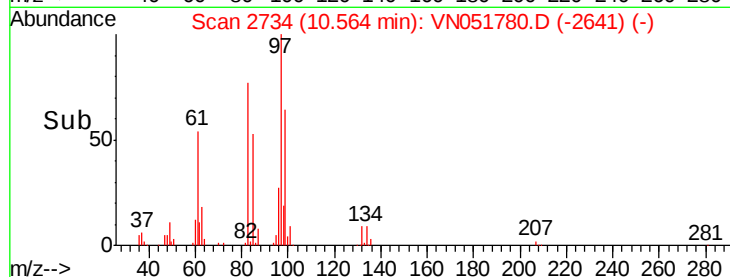
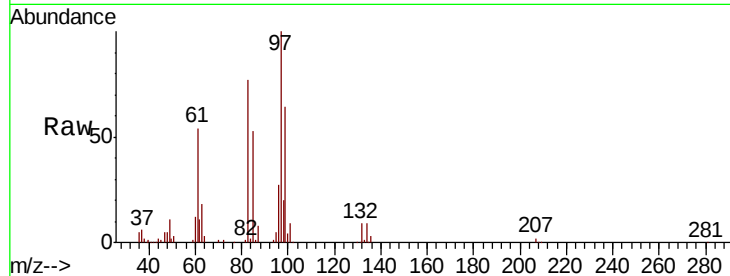
#55
 1,1,2-Trichloroethane
 Concen: 3328.440 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144491		
83	77.0	68.1	102.1		
85	52.6	43.6	65.4		
99	63.4	49.4	74.0		

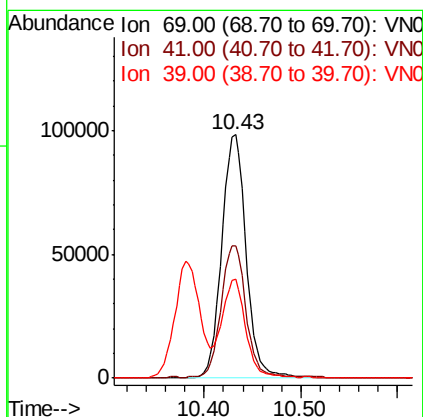
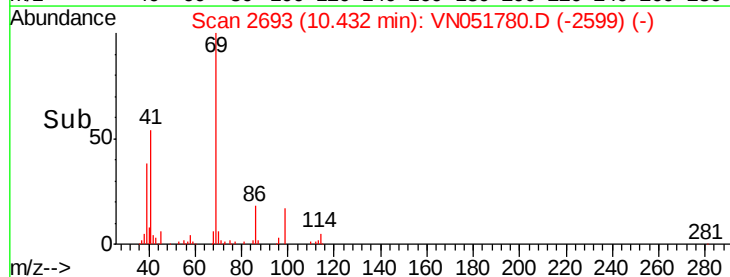
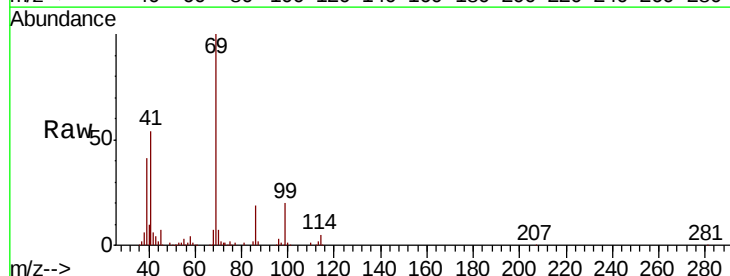
Manual Integrations
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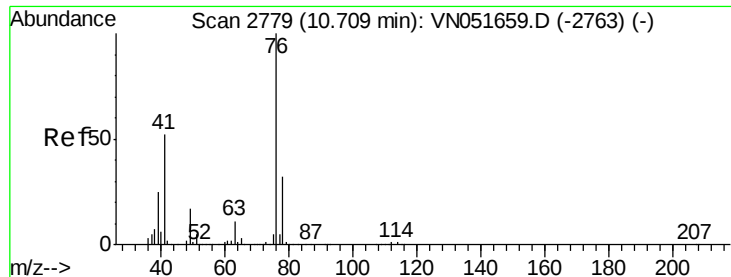
MMDadoda
 10/11/2018 5:51:13 PM



#56
 Ethyl methacrylate
 Concen: 3152.145 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		173046		
41	54.4	46.4	69.6		
39	39.6	32.4	48.6		





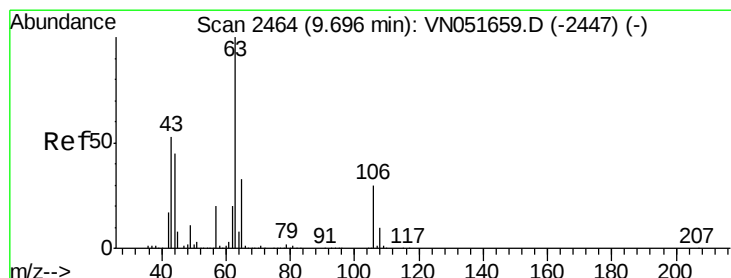
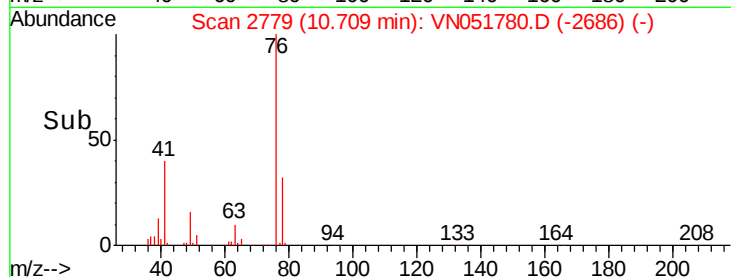
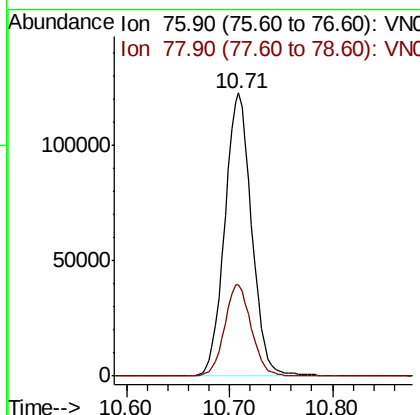
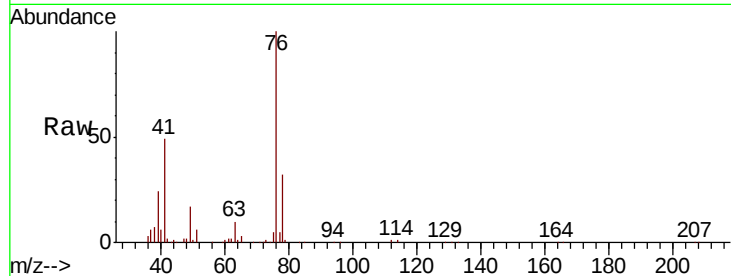
#57
 1,3-Dichloropropane
 Concen: 3237.847 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

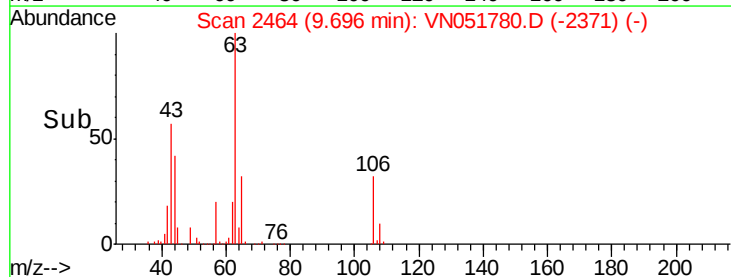
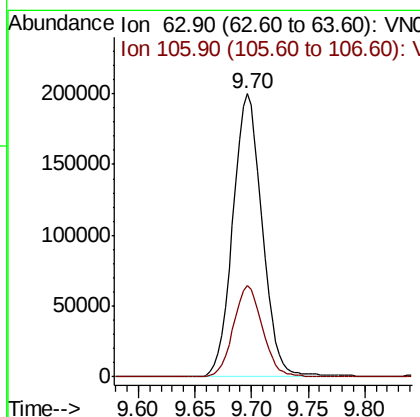
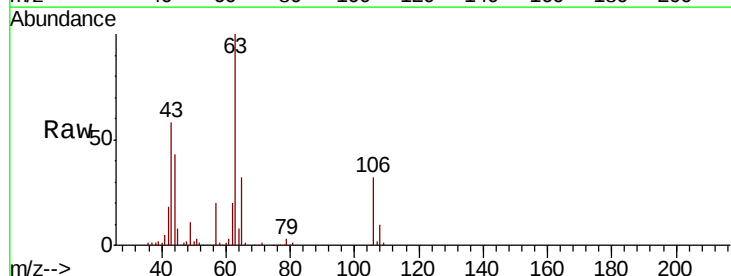
Manual Integrations
 APPROVED

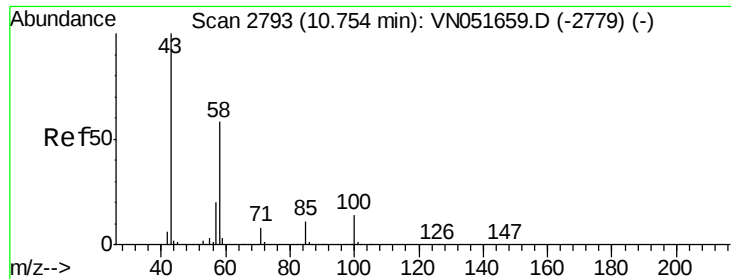
MMDadoda
 10/11/2018 5:51:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 15931.087 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	24.3	36.5





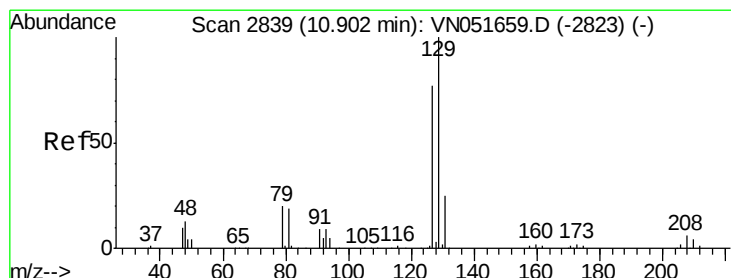
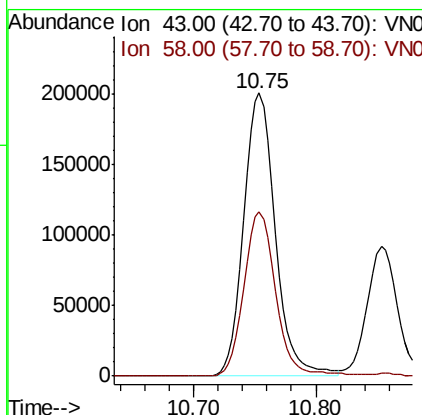
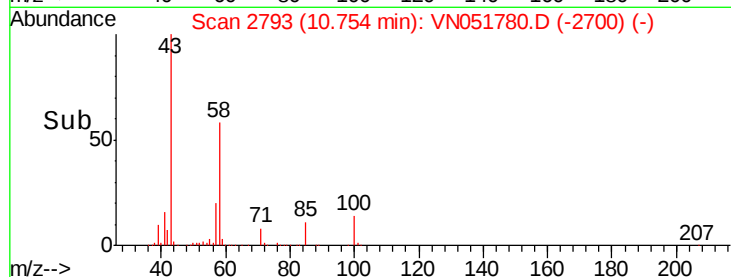
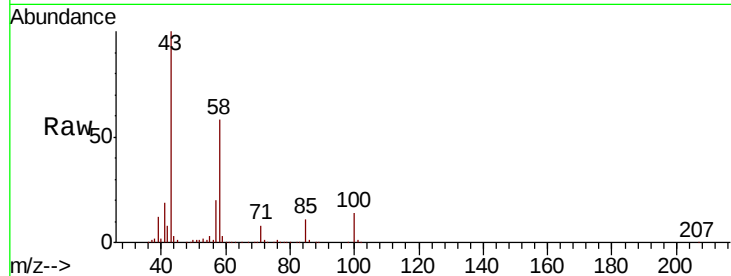
#59
2-Hexanone
Concen: 15406.341 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion: 43 Resp: 356320
Ion Ratio Lower Upper
43 100
58 58.6 28.8 86.4

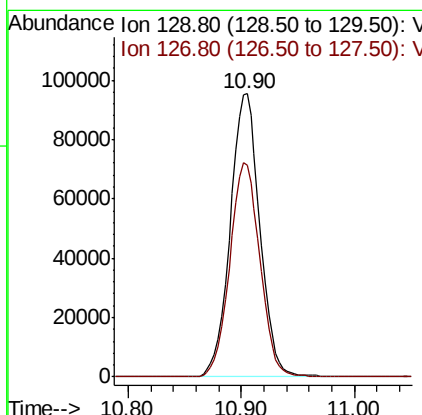
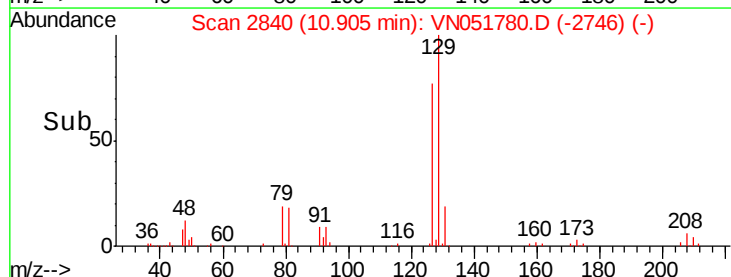
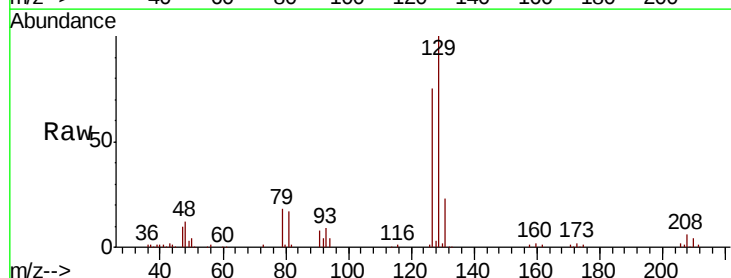
Manual Integrations
APPROVED

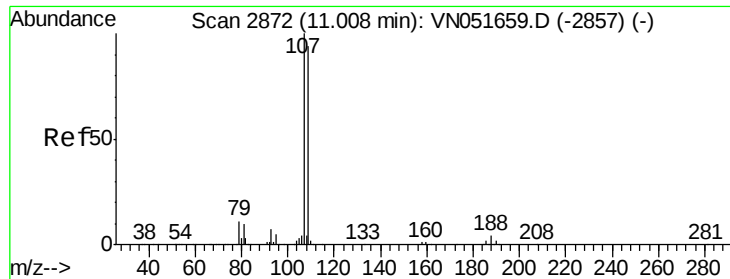
MMDadoda
10/11/2018 5:51:13 PM



#60
Dibromochloromethane
Concen: 3052.961 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion: 129 Resp: 173438
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





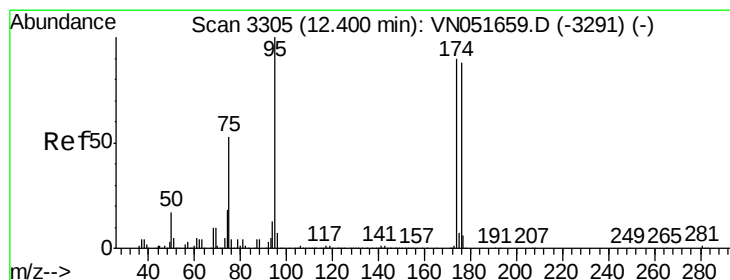
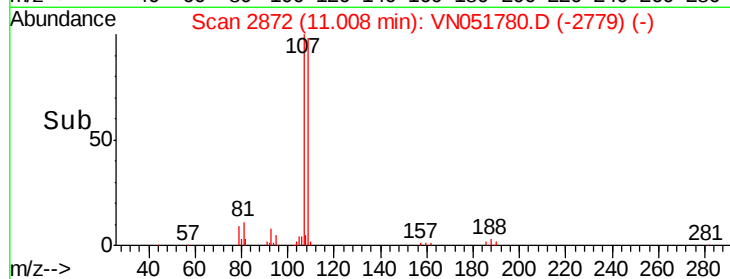
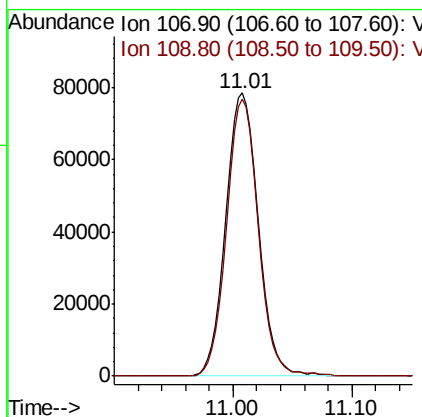
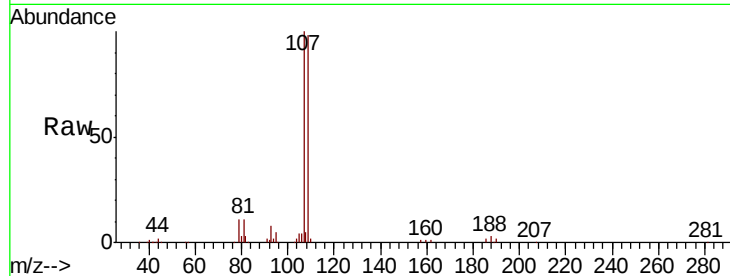
#61
 1,2-Dibromoethane
 Concen: 3245.593 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.4	113.0

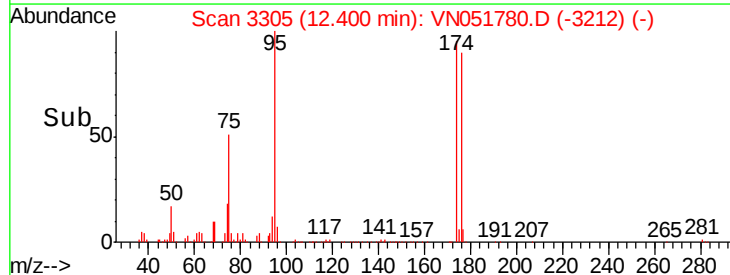
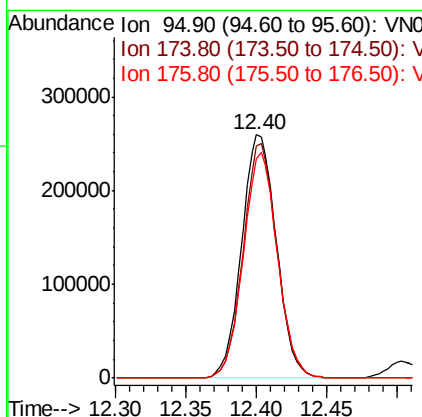
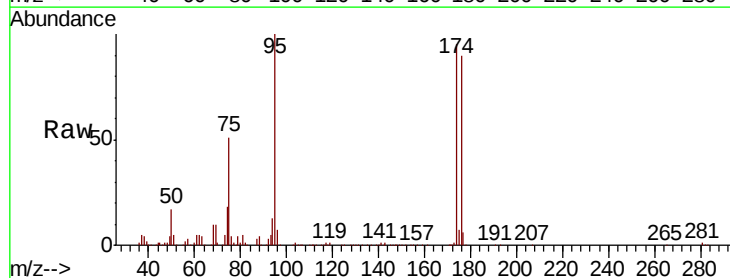
Manual Integrations
 APPROVED

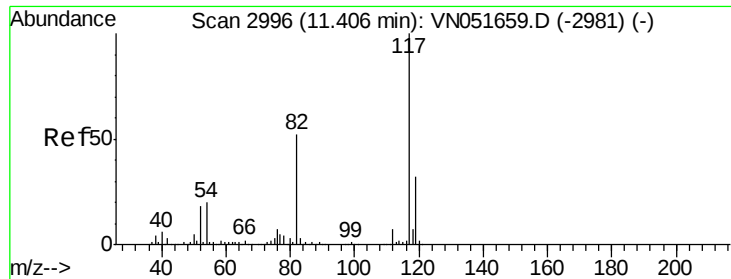
MMDadoda
 10/11/2018 5:51:13 PM



#62
 4-Bromofluorobenzene
 Concen: 3245.593 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	182.8
176	90.8	0.0	176.4





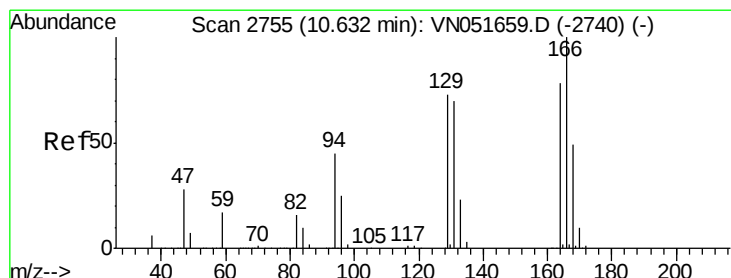
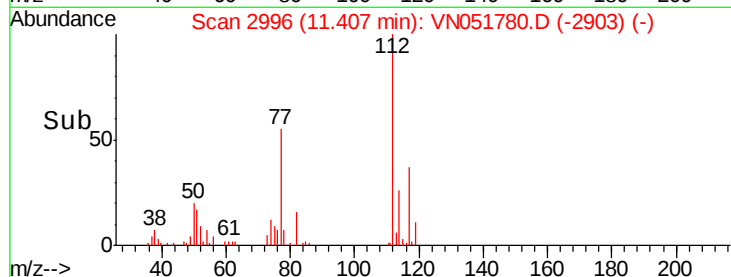
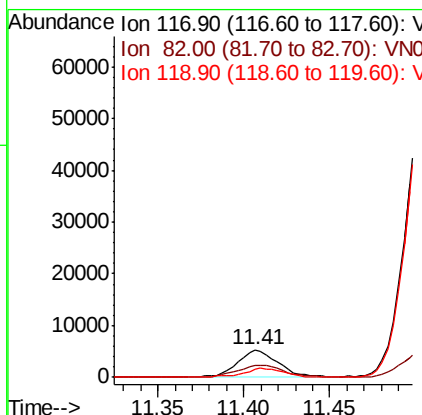
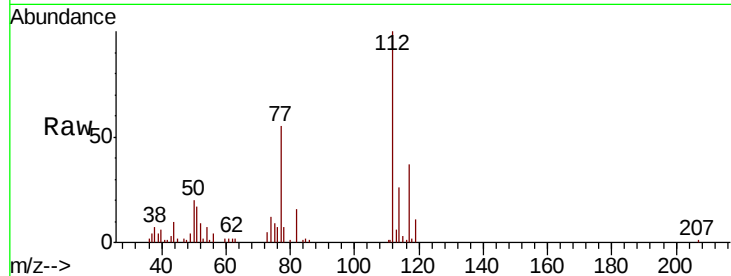
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	43.4	41.3	61.9
119	28.8	25.9	38.9

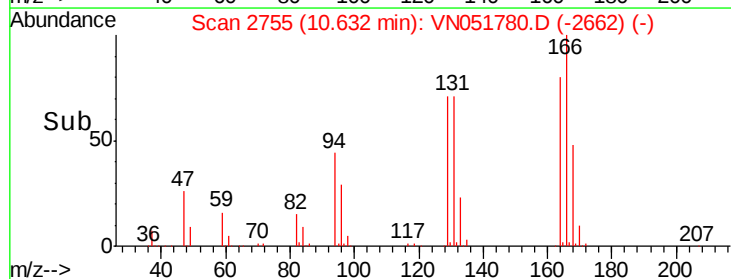
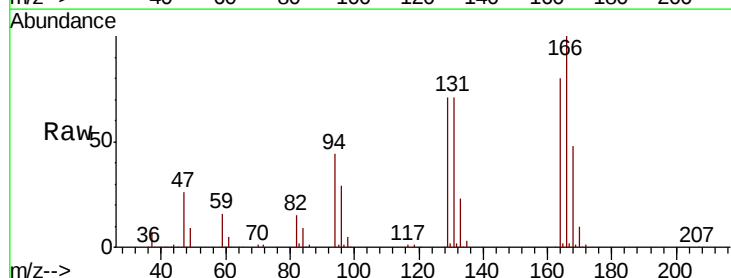
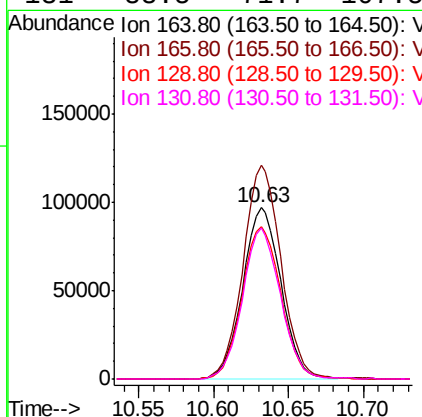
Manual Integrations
APPROVED

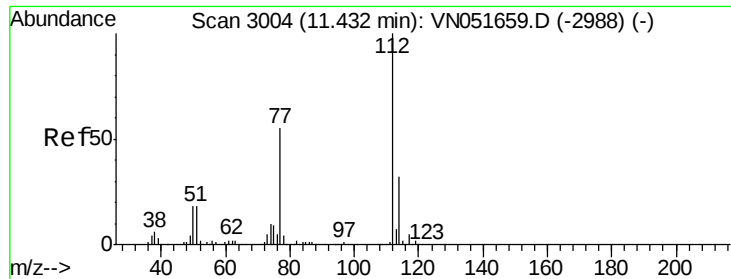
MMDadoda
10/11/2018 5:51:13 PM



#64
Tetrachloroethene
Concen: 2254.284 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	103.0	154.6
129	88.9	75.2	112.8
131	88.5	71.7	107.5





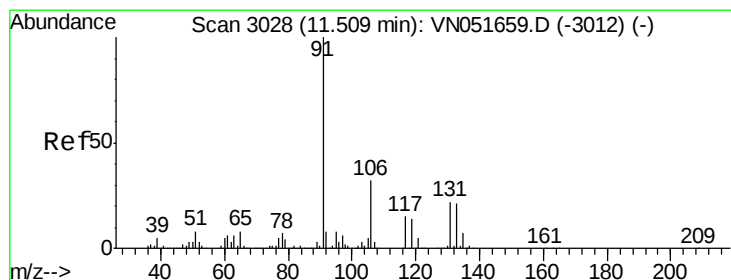
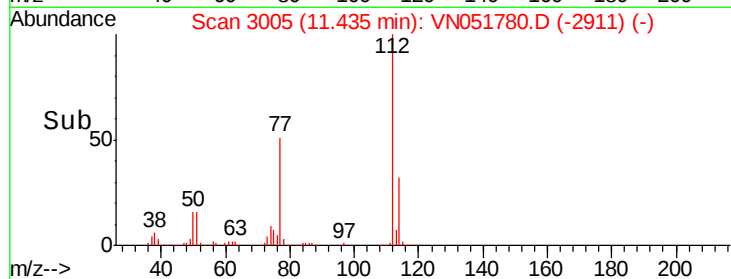
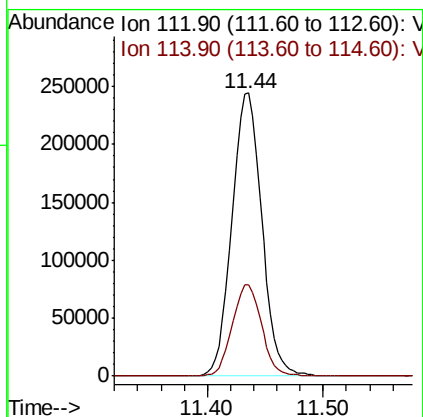
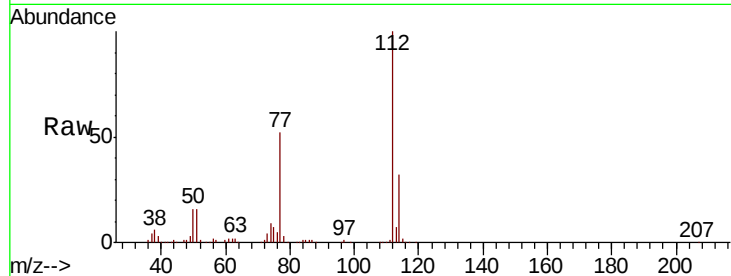
#65
Chlorobenzene
Concen: 2021.240 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.9	38.9

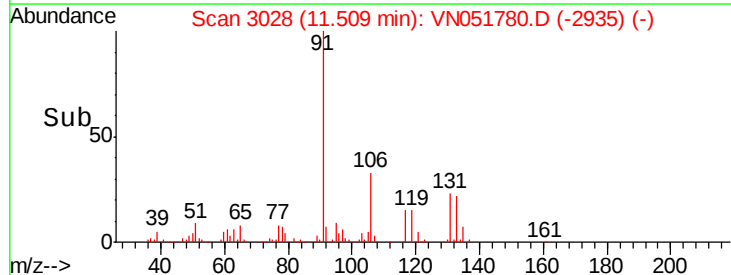
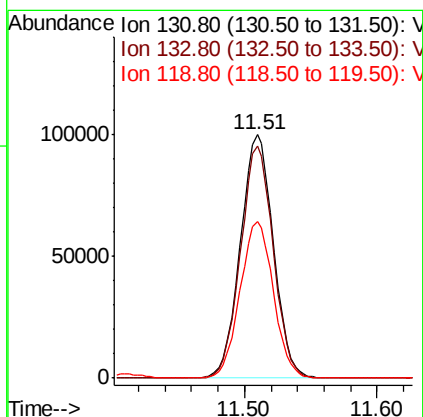
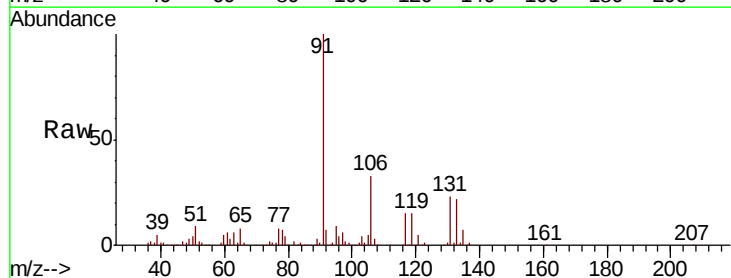
Manual Integrations
APPROVED

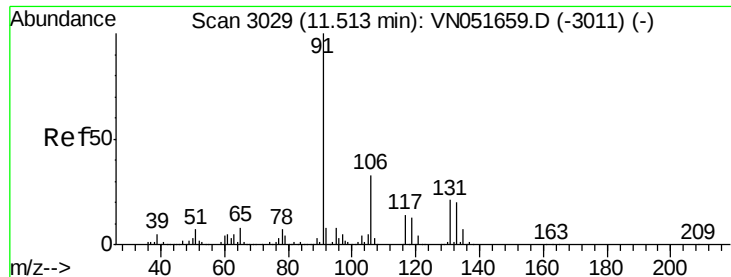
MMDadoda
10/11/2018 5:51:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2003.716 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.6	142.8
119	64.8	32.0	96.0





#67

Ethyl Benzene

Concen: 1999.288 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 91 Resp: 744248

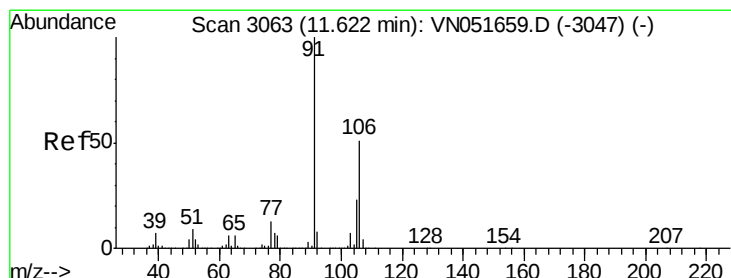
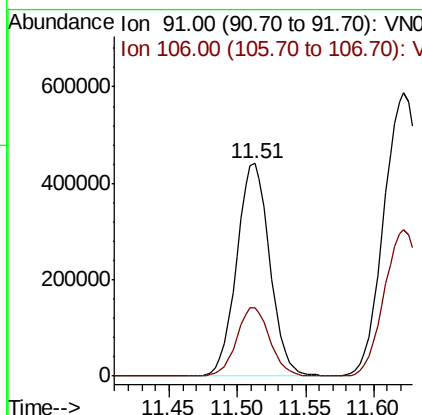
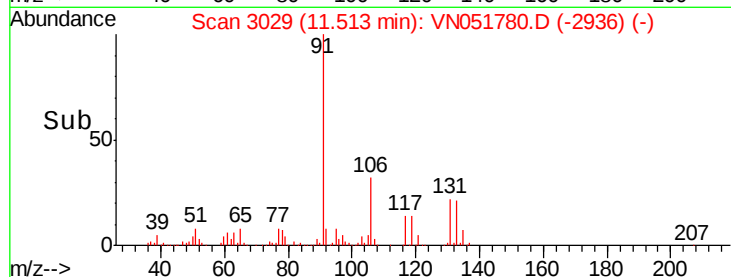
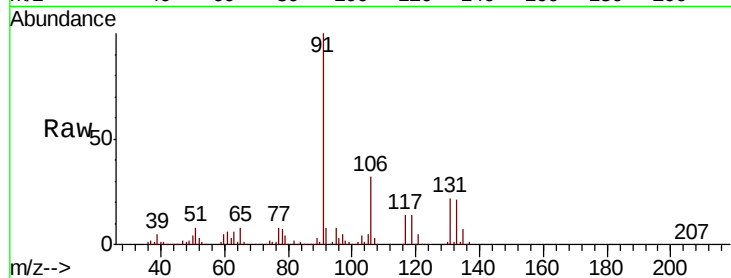
Ion Ratio Lower Upper

91 100

106 32.5 26.0 39.0

Manual Integrations
APPROVED

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10/11/2018 5:51:13 PM



#68

m/p-Xylenes

Concen: 3973.558 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051780.D

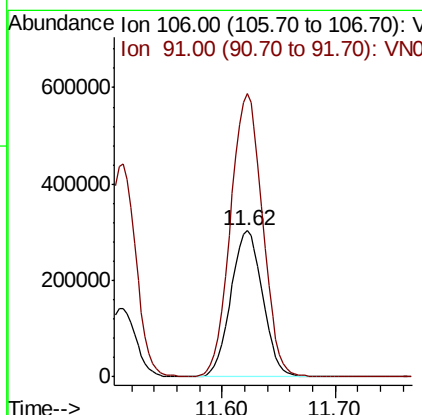
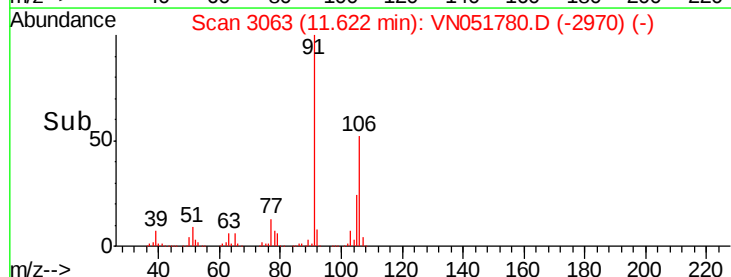
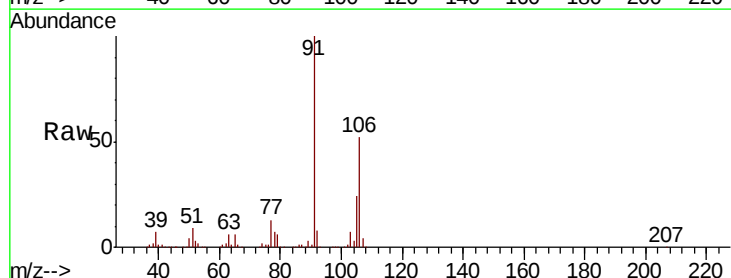
Acq: 10 Oct 2018 10:46

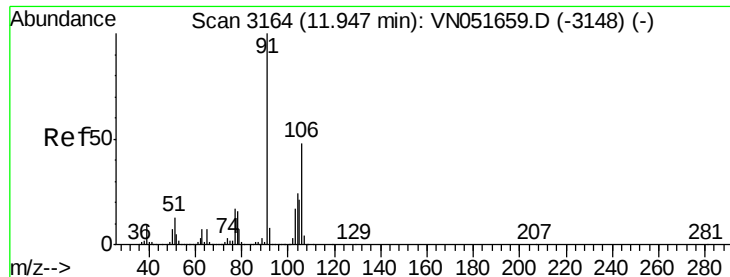
Tgt Ion: 106 Resp: 591846

Ion Ratio Lower Upper

106 100

91 195.3 158.4 237.6





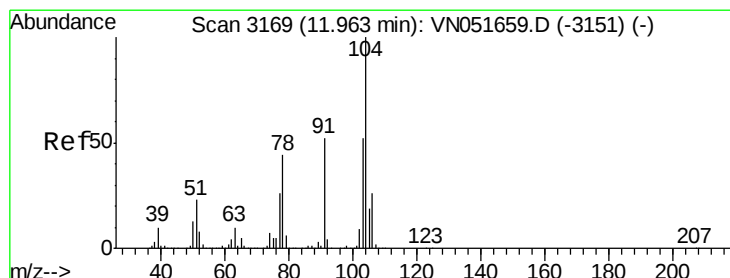
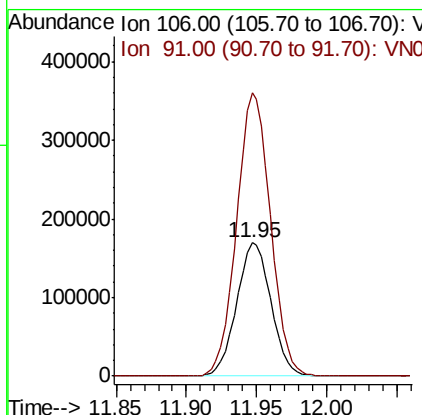
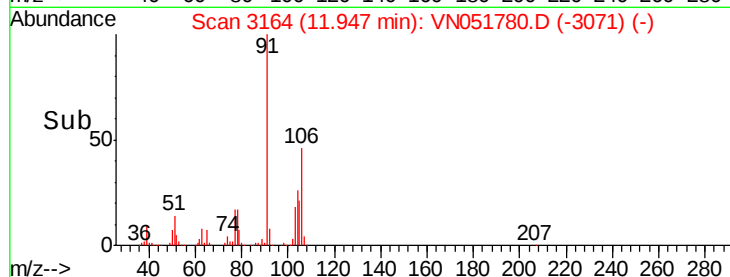
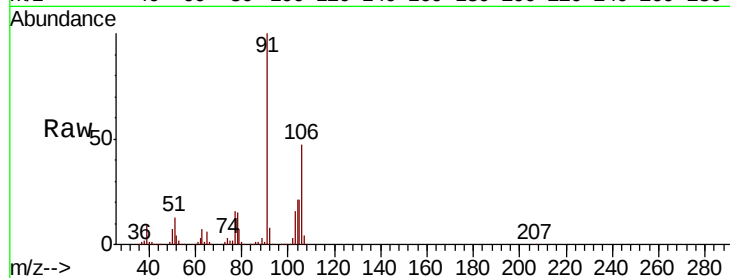
#69
o-Xylene
Concen: 1979.987 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ion	Ratio	Lower	Upper
289219	106			
106	100			
91	209.4	104.4	313.2	

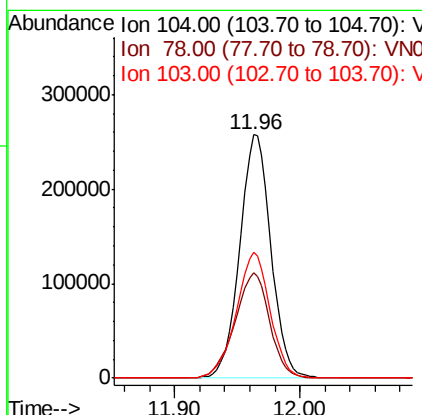
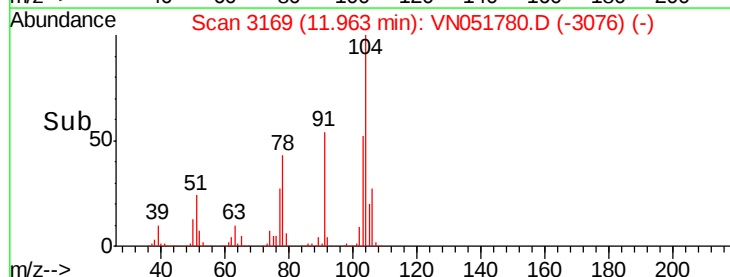
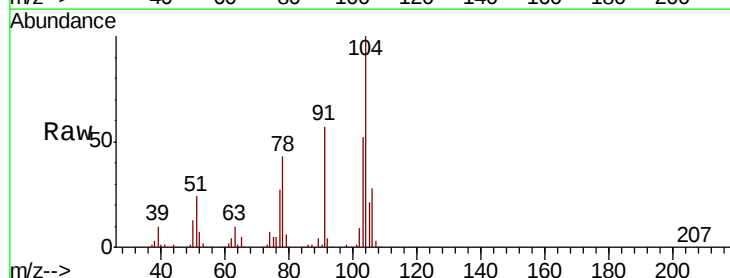
Manual Integrations
APPROVED

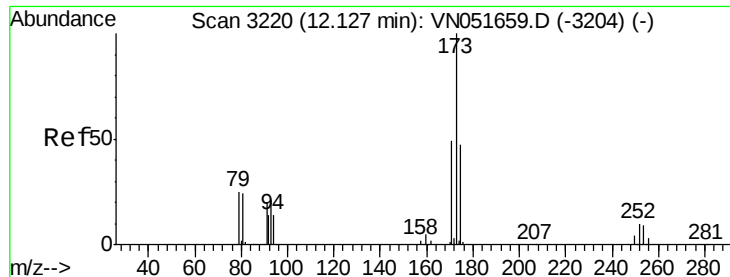
MMDadoda
10/11/2018 5:51:13 PM



#70
Styrene
Concen: 1913.964 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
445491	104			
104	100			
78	48.2	39.3	58.9	
103	56.1	45.0	67.6	





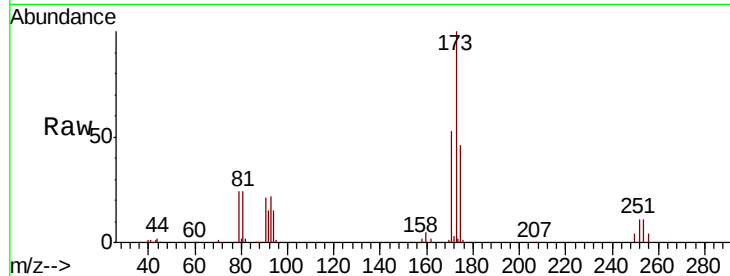
#71
Bromoform
Concen: 1721.020 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:13 PM

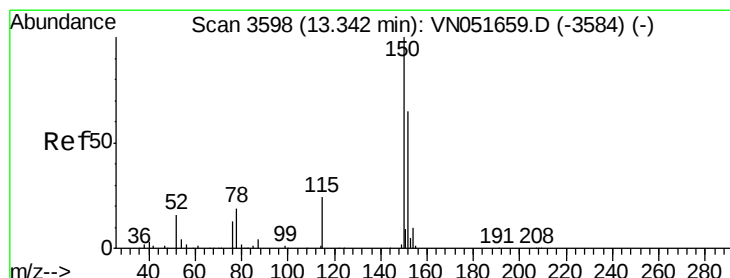
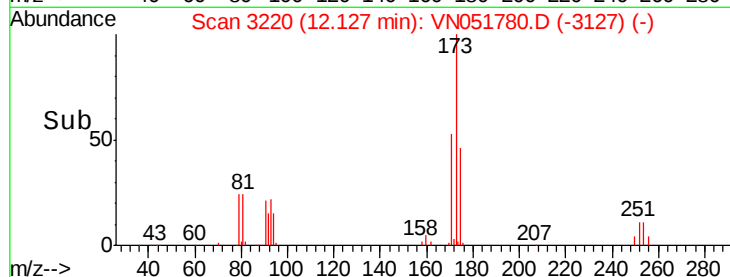
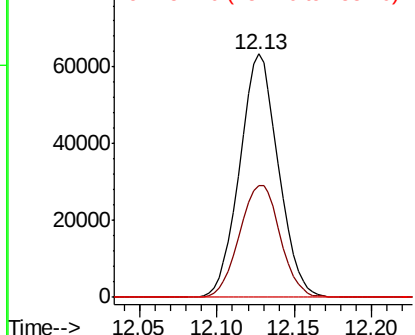


Abundance

Ion 172.70 (172.40 to 173.40): V

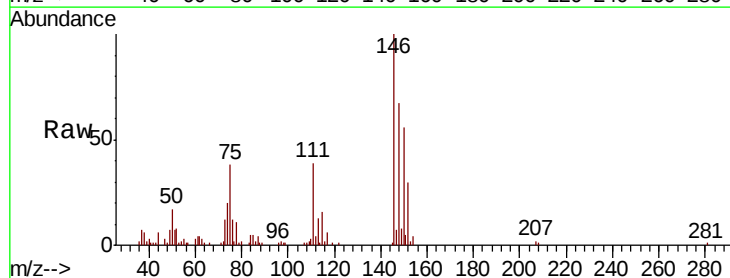
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.6	85.8
150	431.2	0.0	352.4#

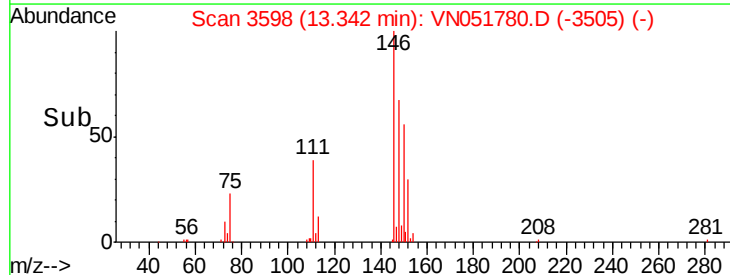
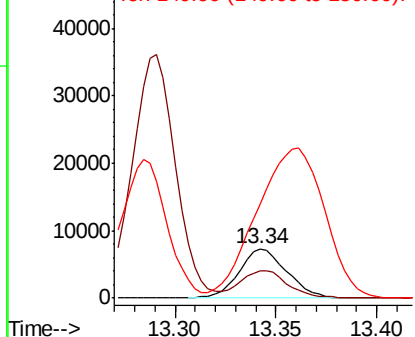


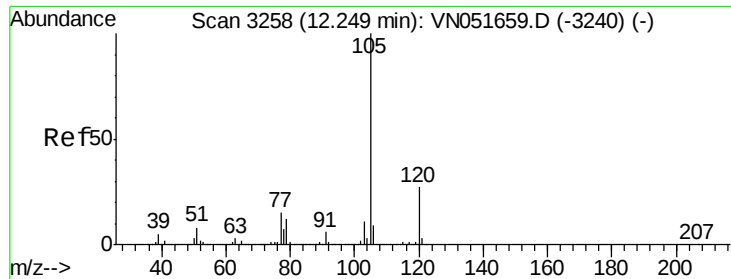
Abundance

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





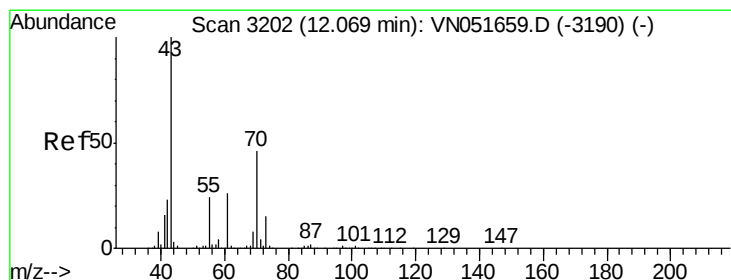
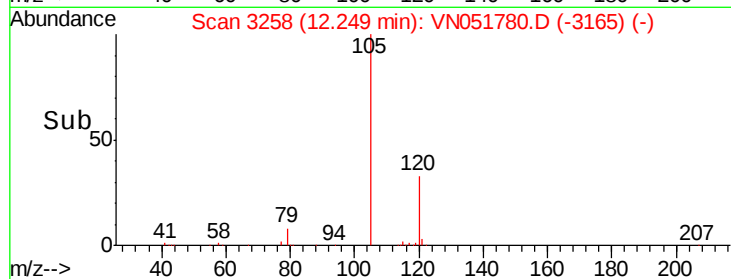
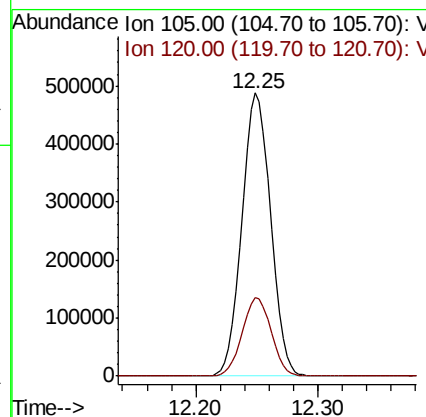
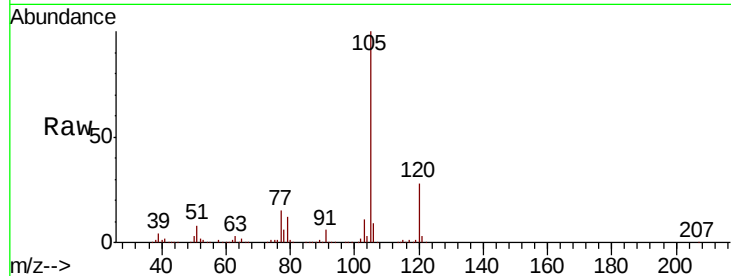
#73
Isopropylbenzene
Concen: 772.649 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.9	41.6

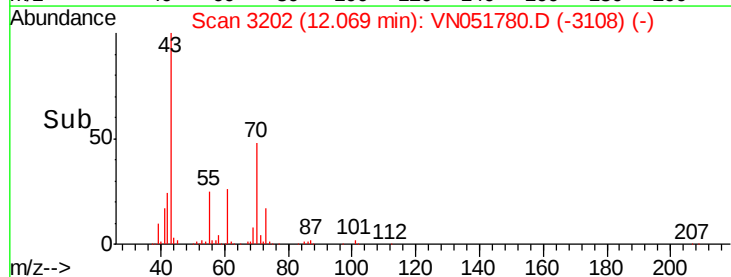
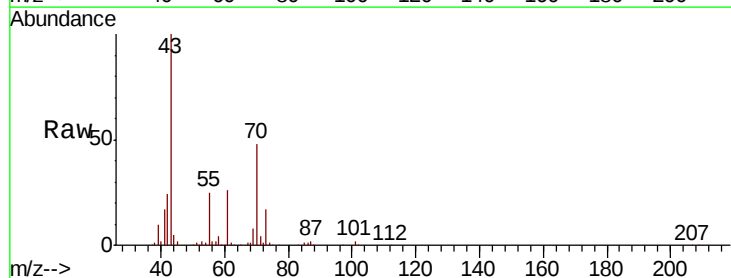
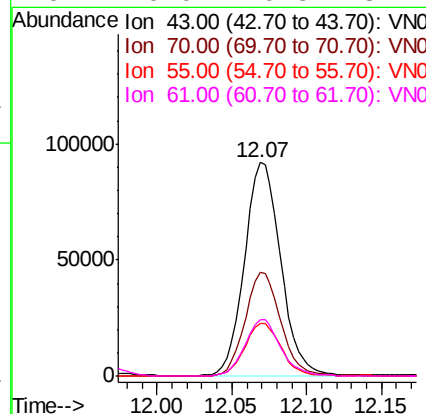
Manual Integrations
APPROVED

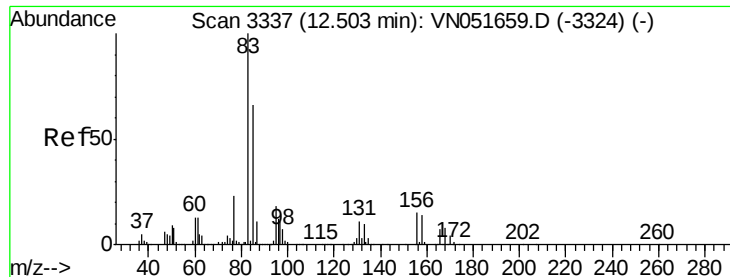
MMDadoda
10/11/2018 5:51:13 PM



#74
N-ethyl acetate
Concen: 778.598 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.9	37.1	55.7
55	24.9	19.1	28.7
61	26.0	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 915.158 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

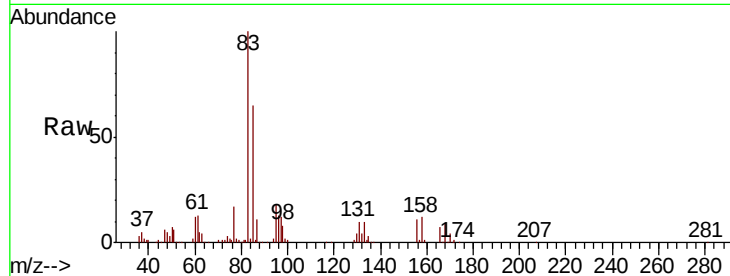
ClientSampleId :

VN1010MBS01

Tot Ion:	83	Resp:	168208
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	65.6	33.0	98.9

Manual Integrations
APPROVED

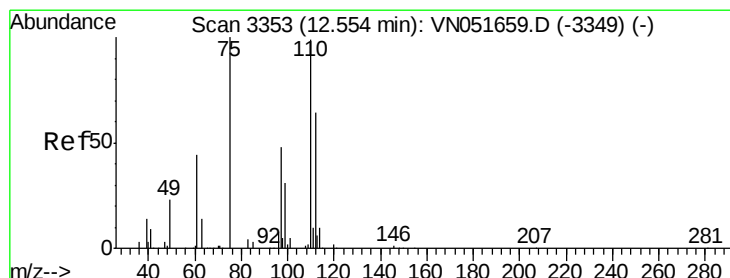
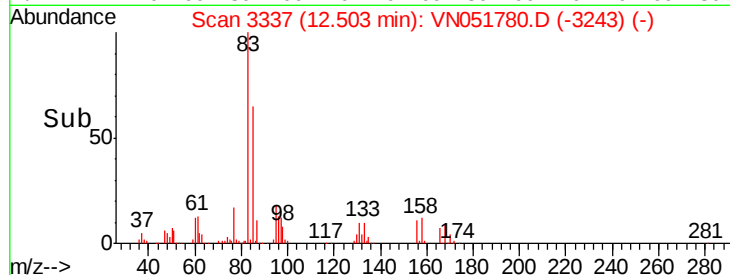
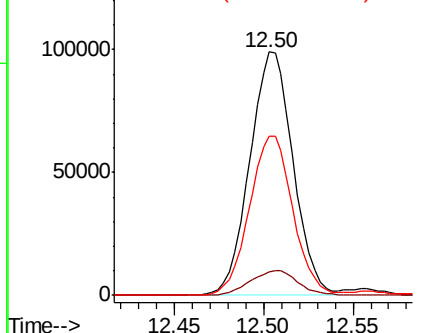
MMDadoda
10/11/2018 5:51:13 PM



Abundance Ion 82.90 (82.60 to 83.60): VN051780.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051780.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051780.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 1100.959 ug/l m

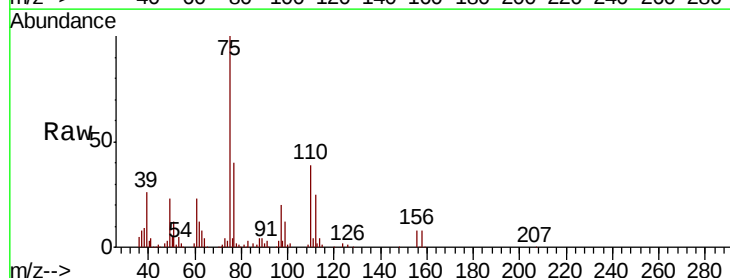
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051780.D

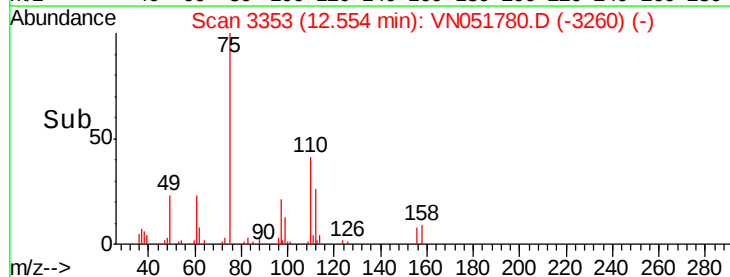
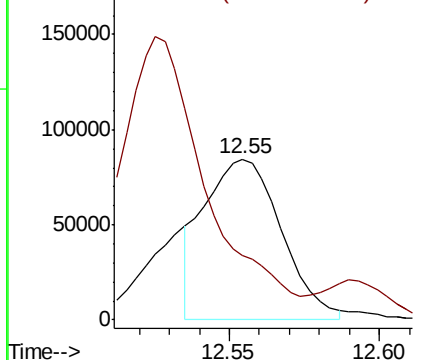
Acq: 10 Oct 2018 10:46

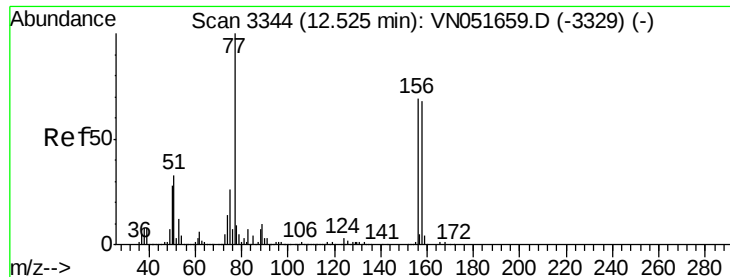
Tgt Ion:	75	Resp:	151284
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051780.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051780.D (-3260) (-)





#77

Bromobenzene

Concen: 755.784 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

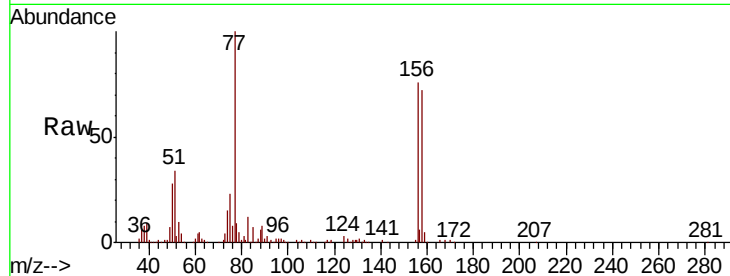
ClientSampleId :

VN1010MBS01

Tot Ion:	156	Resp:	189019
Ion Ratio	Lower	Upper	
156	100		
77	158.5	83.2	249.4
158	96.5	49.0	147.2

Manual Integrations
APPROVED

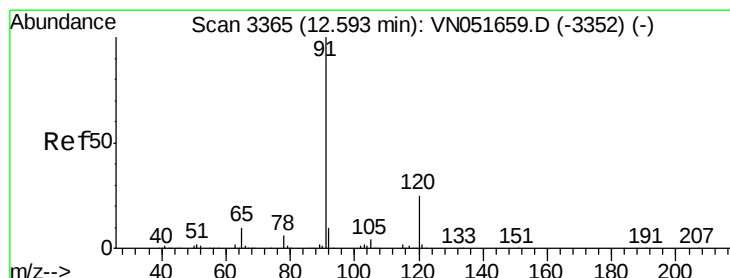
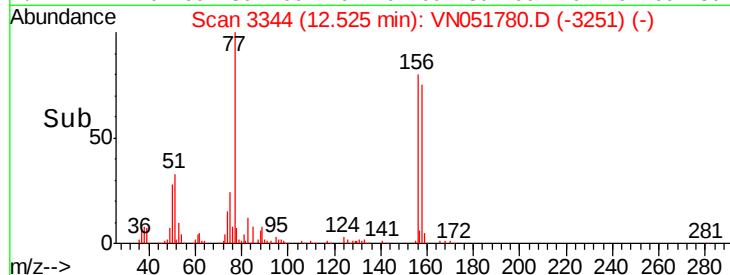
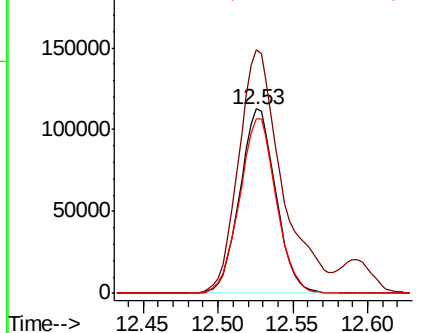
MMDadoda
10/11/2018 5:51:13 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 753.123 ug/l

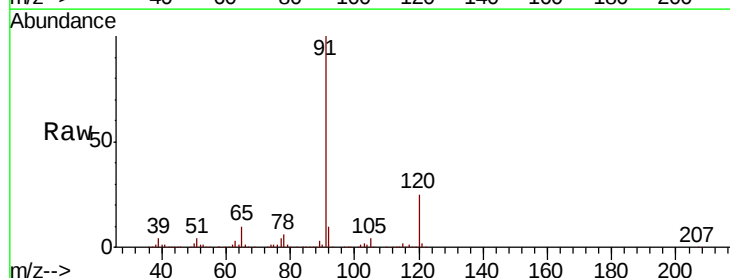
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051780.D

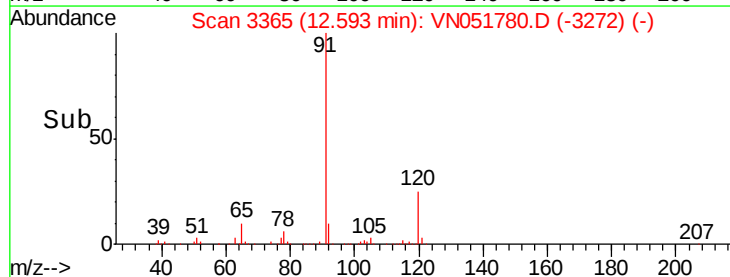
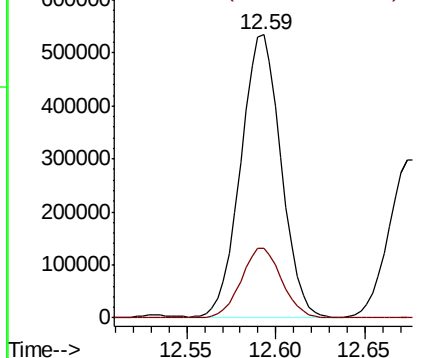
Acq: 10 Oct 2018 10:46

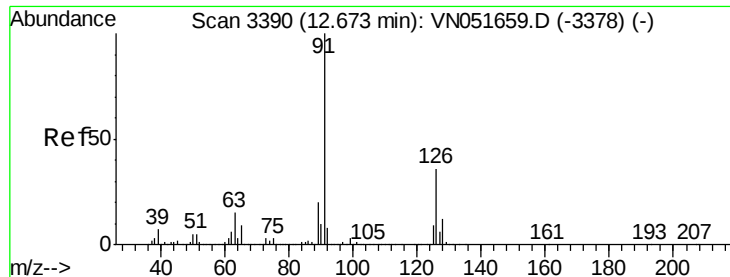
Tgt Ion:	91	Resp:	840205
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 754.932 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS01

Tot Ion: 91 Resp: 496368

Ion Ratio Lower Upper

91 100

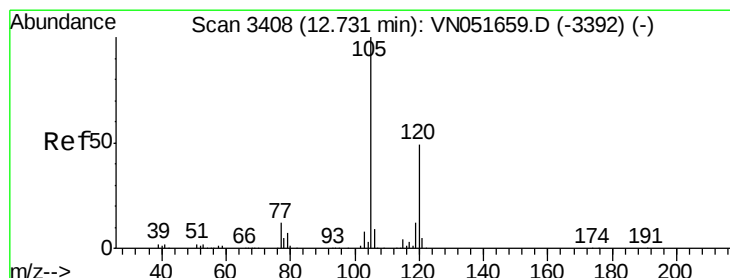
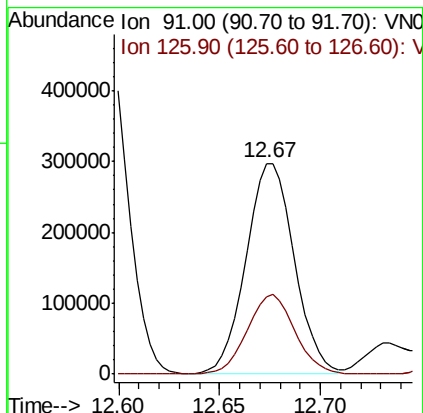
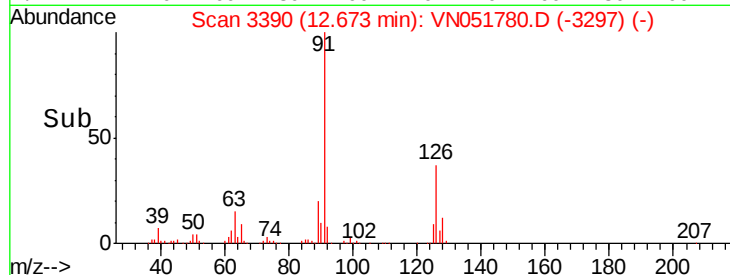
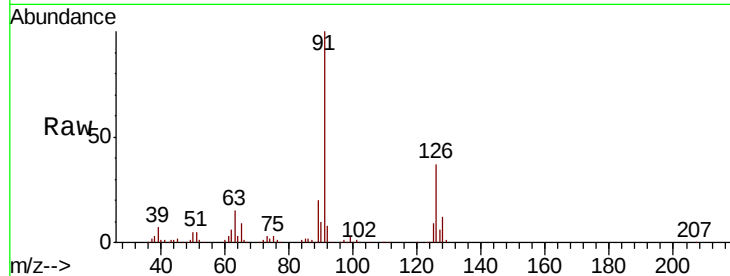
126 37.5 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 763.772 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051780.D

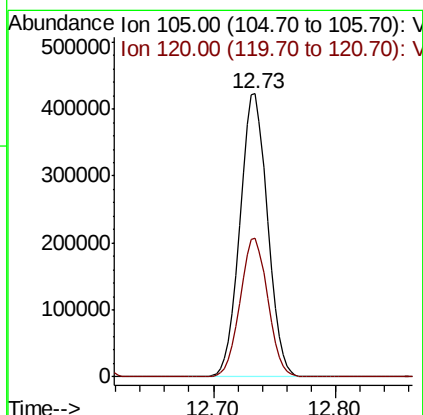
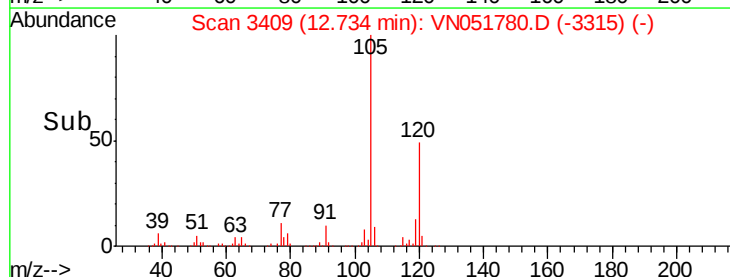
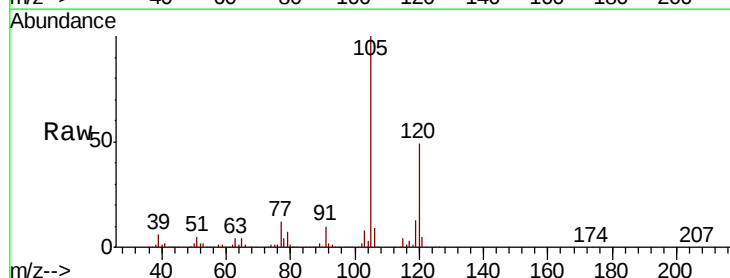
Acq: 10 Oct 2018 10:46

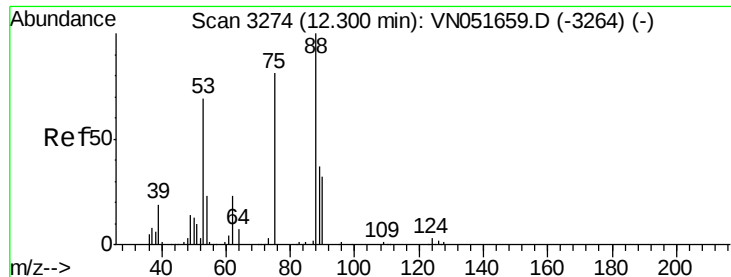
Tgt Ion: 105 Resp: 658360

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 655.172 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Instrument :

MSVOA_N

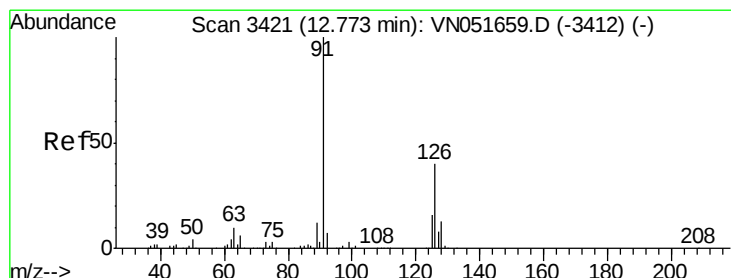
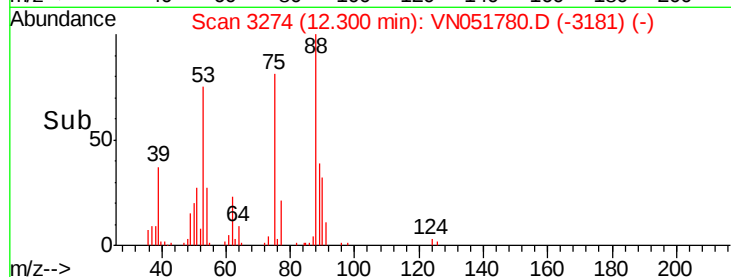
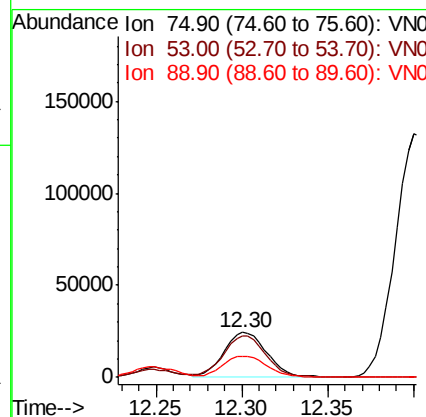
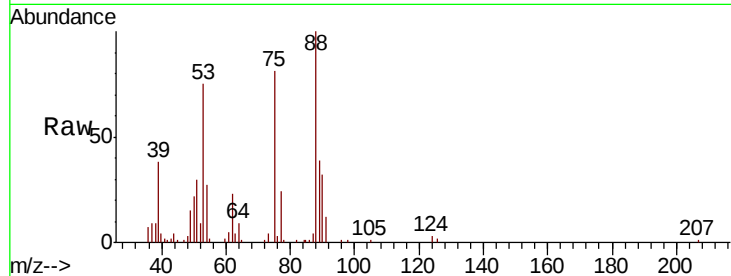
ClientSampleId :

VN1010MBS01

Tot Ion:	75	Resp:	42767
Ion	Ratio	Lower	Upper
75	100		
53	92.3	68.6	102.8
89	48.7	39.4	59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 732.347 ug/l

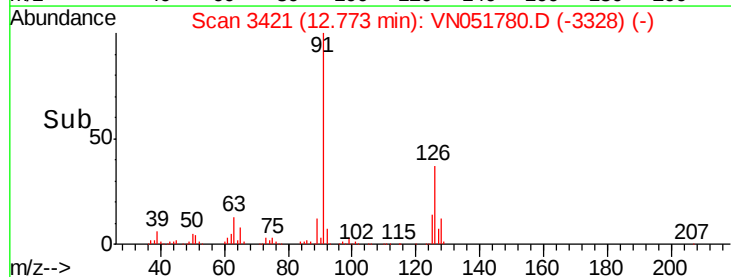
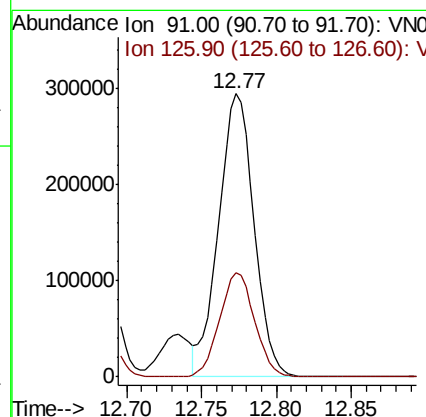
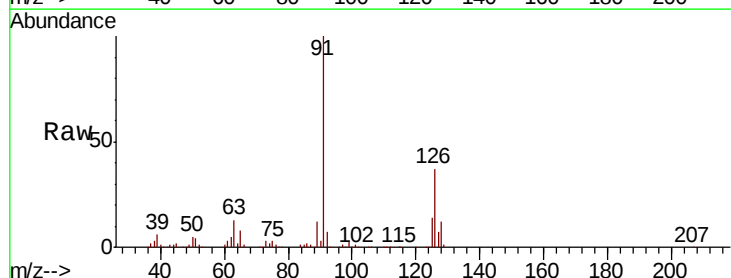
RT: 12.77 min Scan# 3421

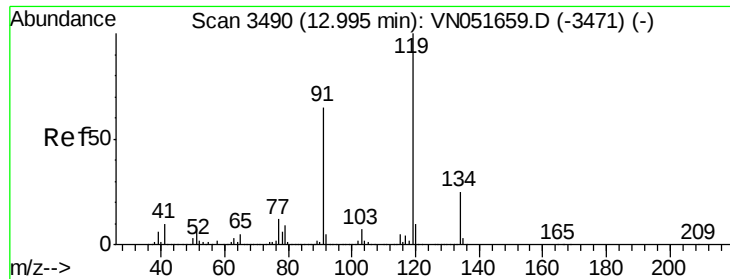
Delta R.T. 0.00 min

Lab File: VN051780.D

Acq: 10 Oct 2018 10:46

Tgt Ion:	91	Resp:	483722
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.0	54.0





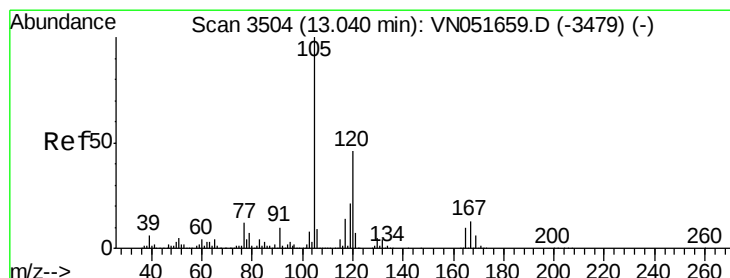
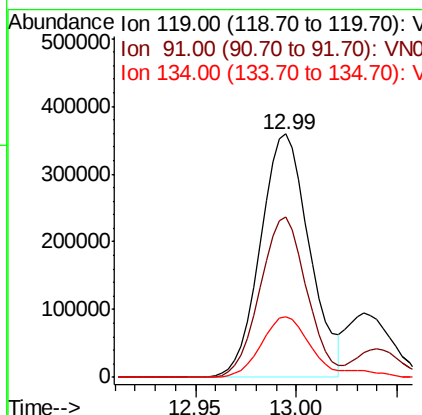
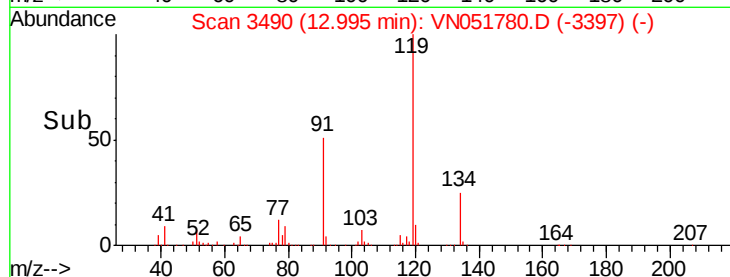
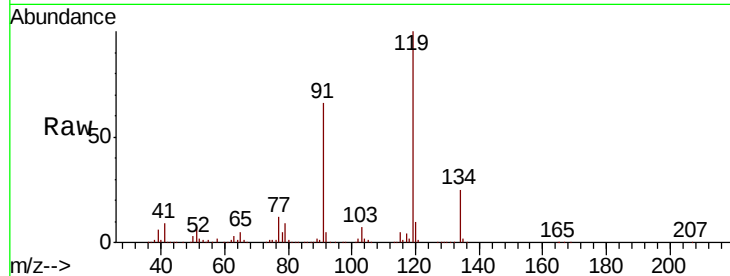
#83
 tert-Butylbenzene
 Concen: 785.810 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	32.1	96.5
134	26.6	13.3	39.9

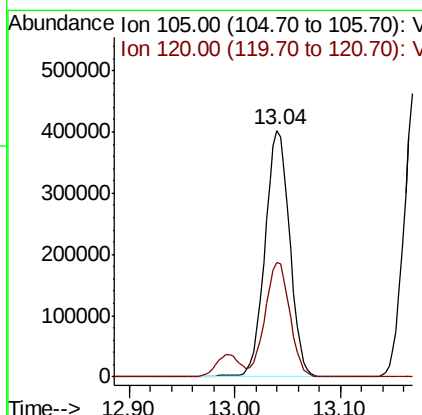
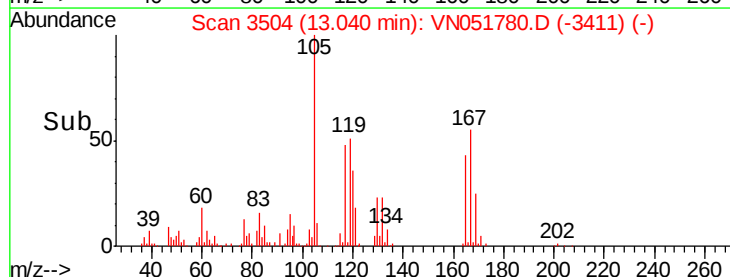
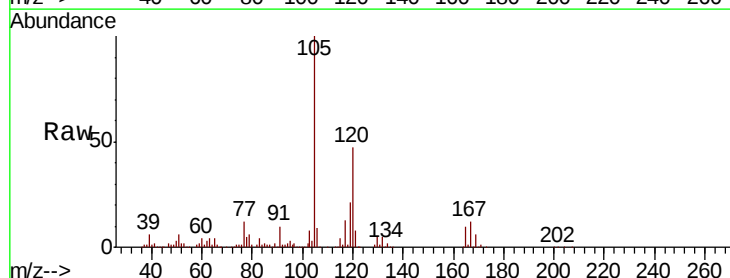
Manual Integrations
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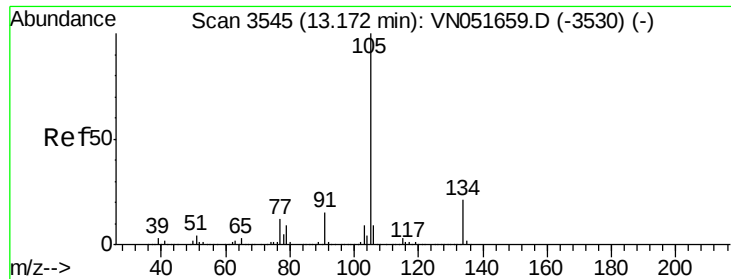
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 758.443 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.9	68.7





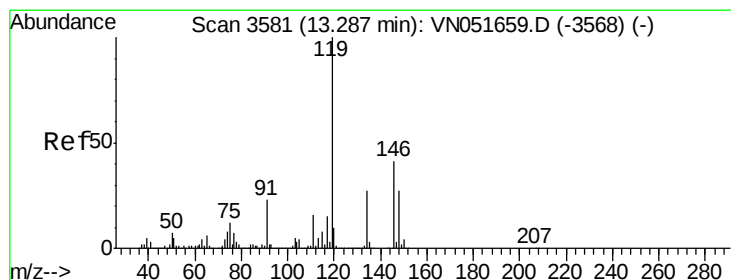
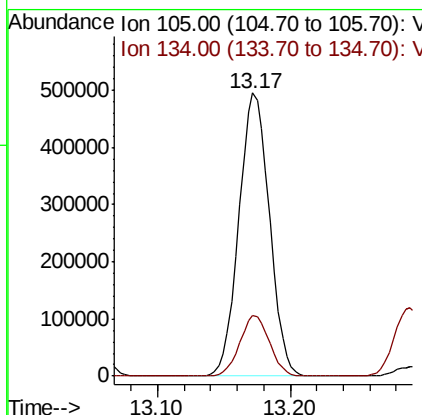
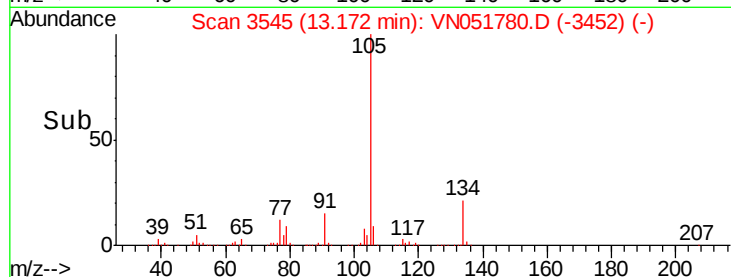
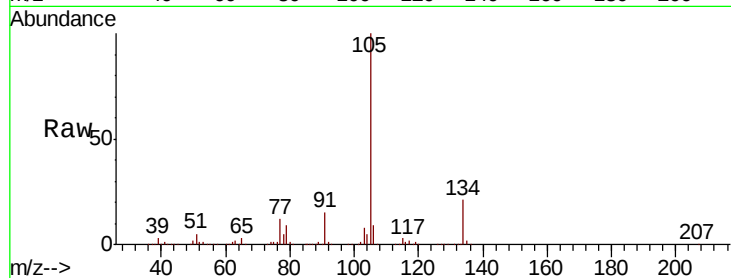
#85
 sec-Butylbenzene
 Concen: 775.602 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	792422		
134	20.8	10.5	31.6	

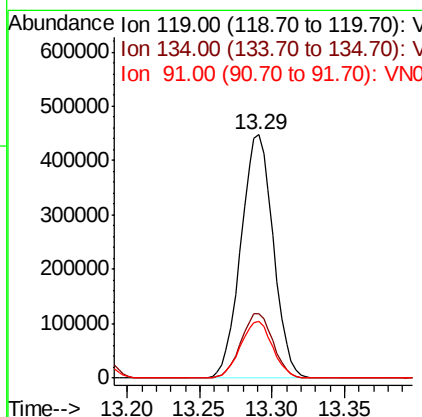
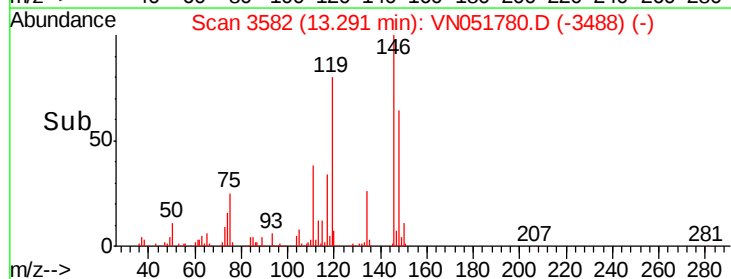
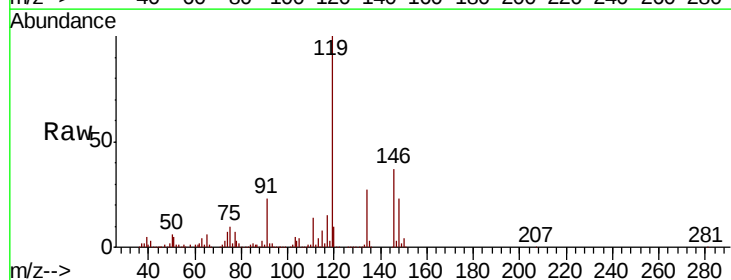
Manual Integrations
 APPROVED

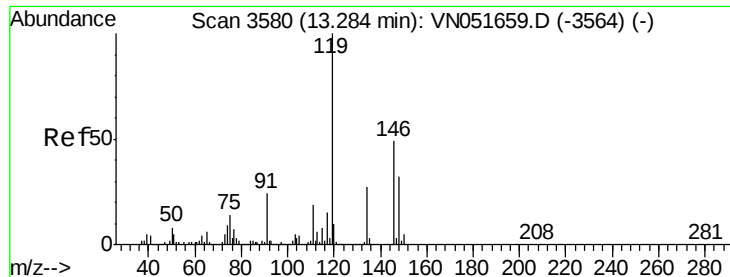
MMDadoda
 10/11/2018 5:51:13 PM



#86
 p-Isopropyltoluene
 Concen: 765.501 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	693347		
134	26.6	13.4	40.2	
91	23.3	11.7	35.1	





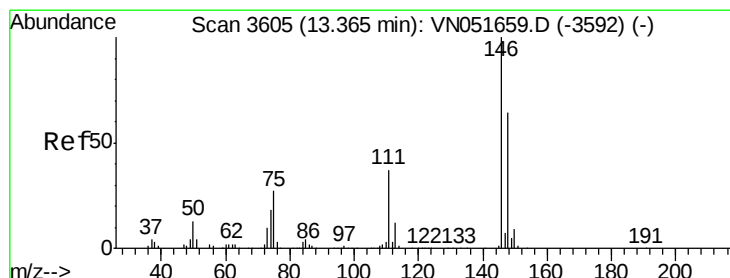
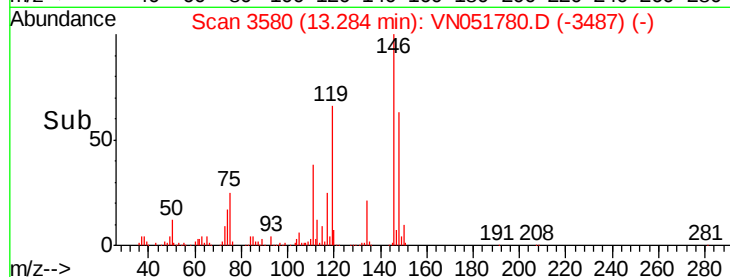
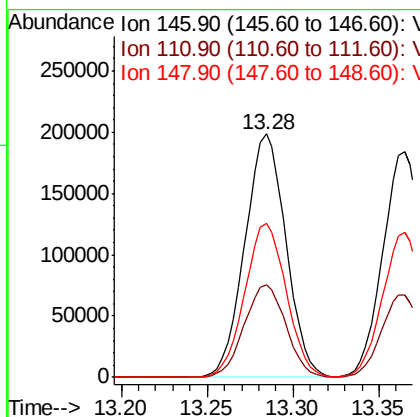
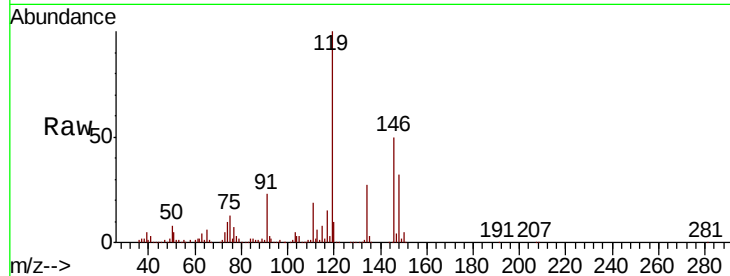
#87
 1,3-Dichlorobenzene
 Concen: 756.397 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.9	32.5	97.5

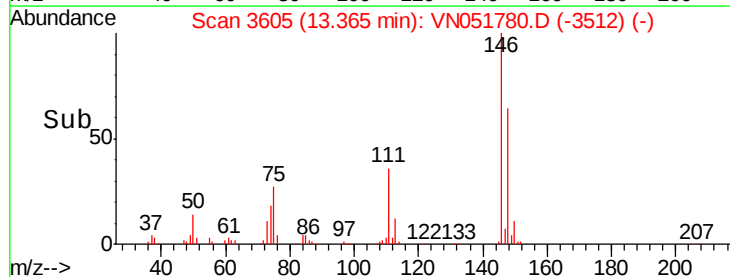
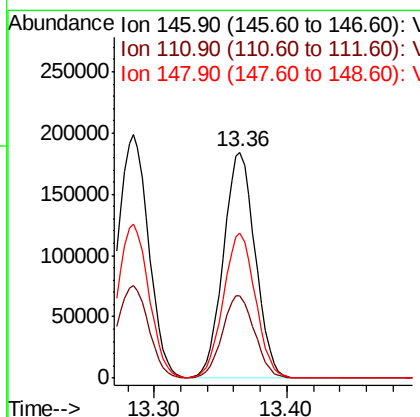
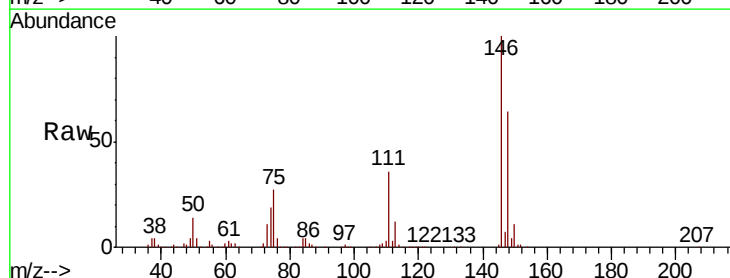
Manual Integrations
 APPROVED

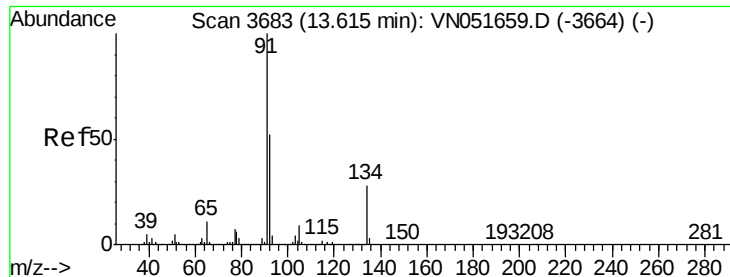
MMDadoda
 10/11/2018 5:51:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 714.823 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	64.7	32.3	96.8





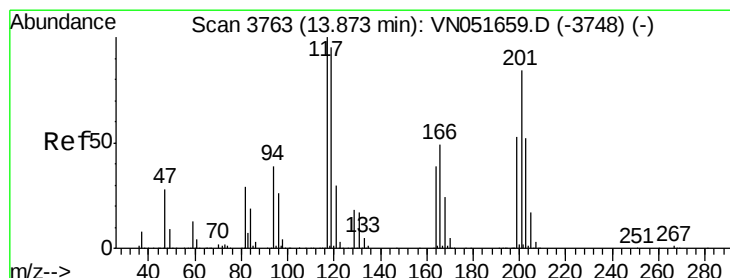
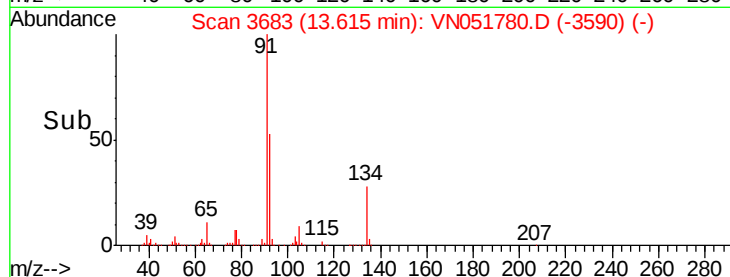
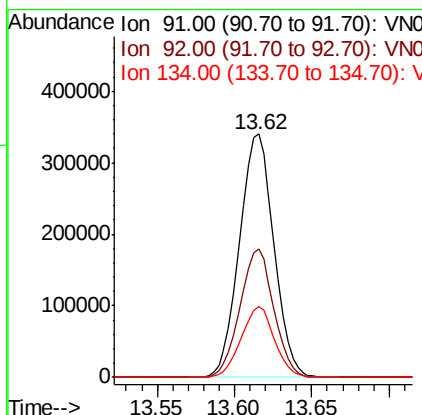
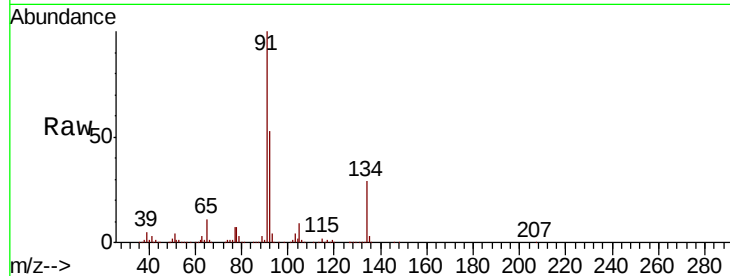
#89
n-Butylbenzene
Concen: 735.446 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	28.2	14.2	42.6

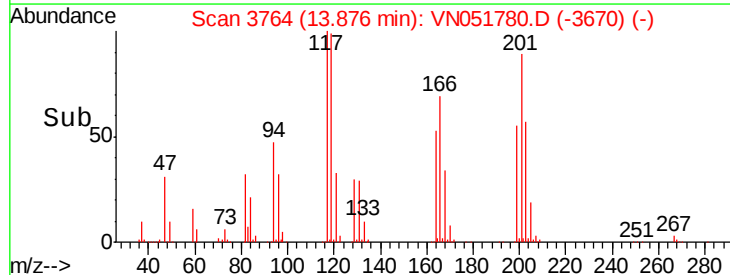
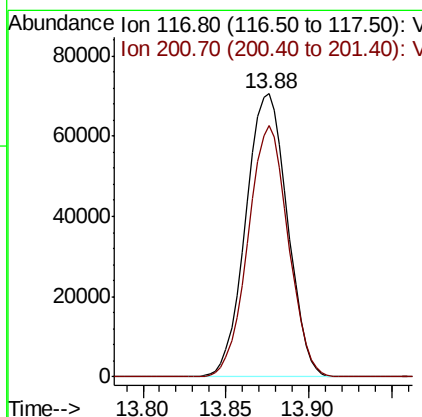
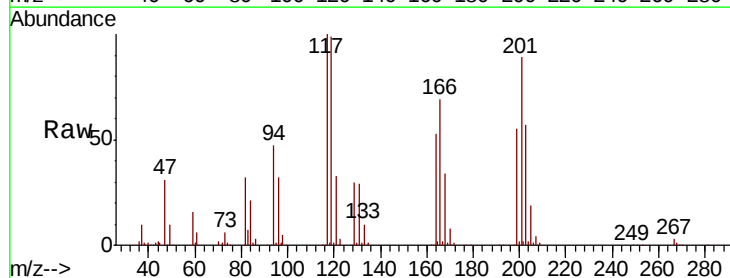
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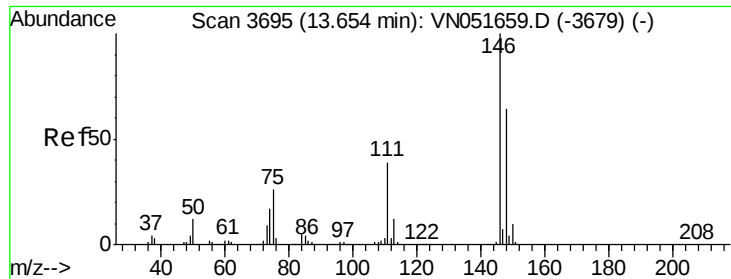
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#90
Hexachloroethane
Concen: 681.243 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	42.4	127.3





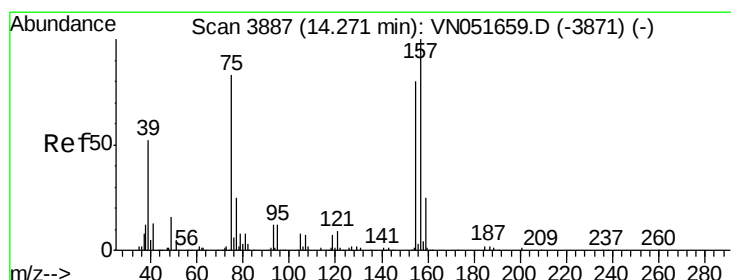
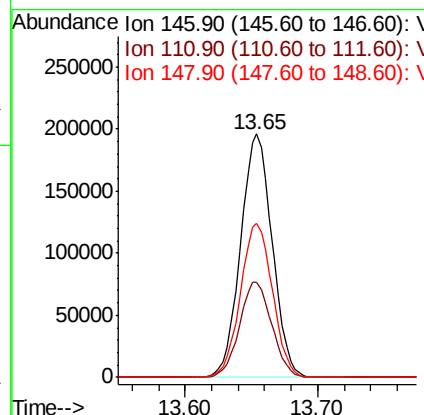
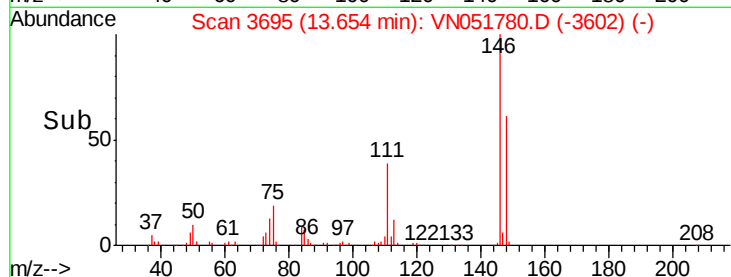
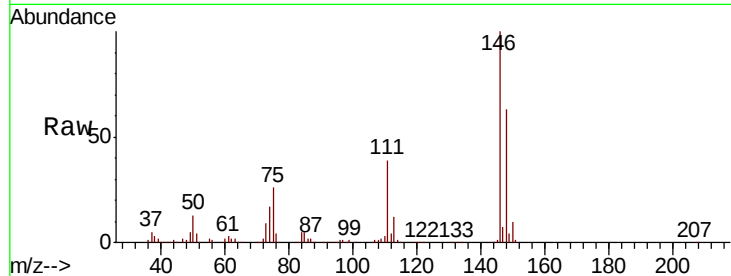
#91
 1,2-Dichlorobenzene
 Concen: 747.557 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.0
148	63.9	32.1	96.3

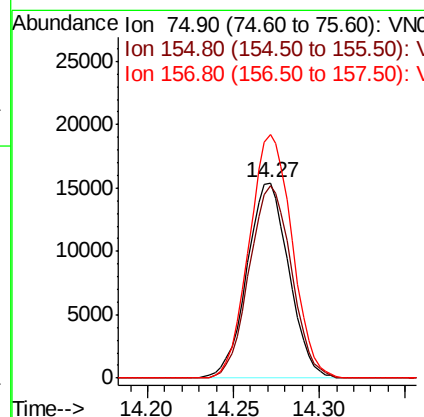
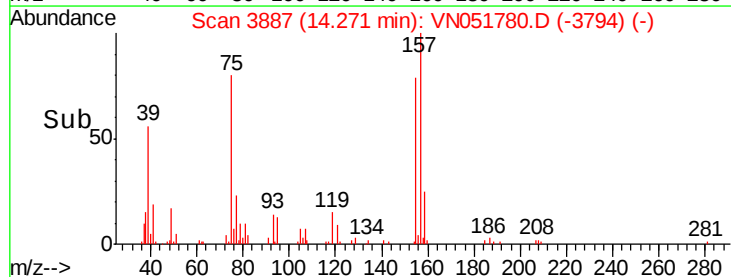
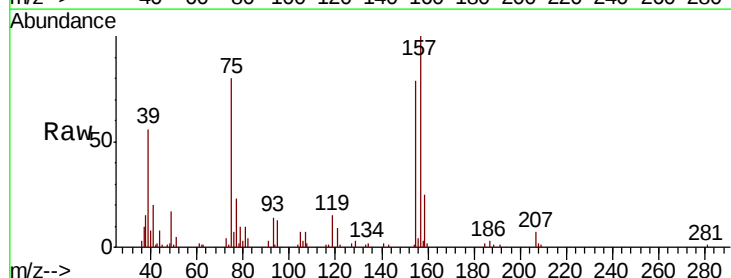
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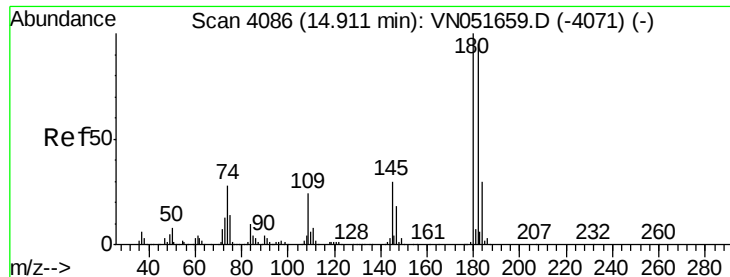
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 725.753 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	47.6	142.9
157	127.3	61.7	185.1





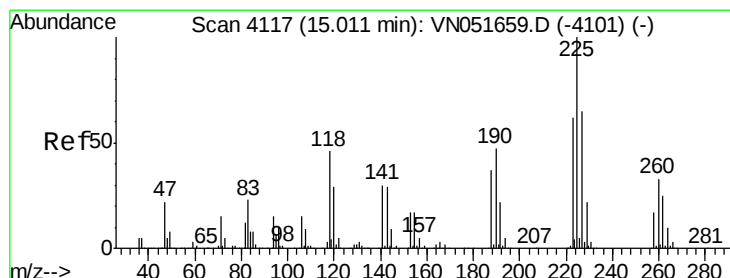
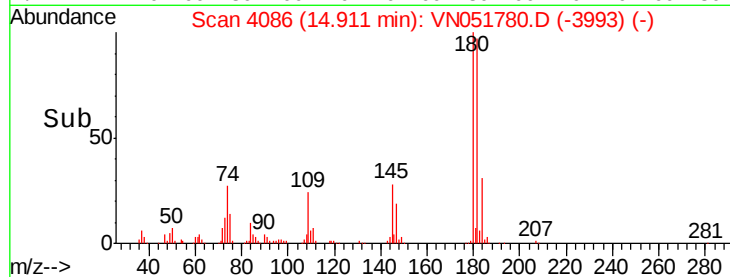
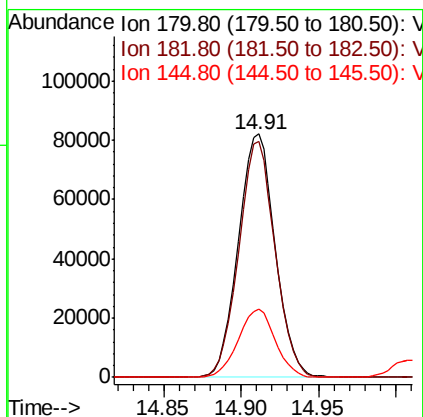
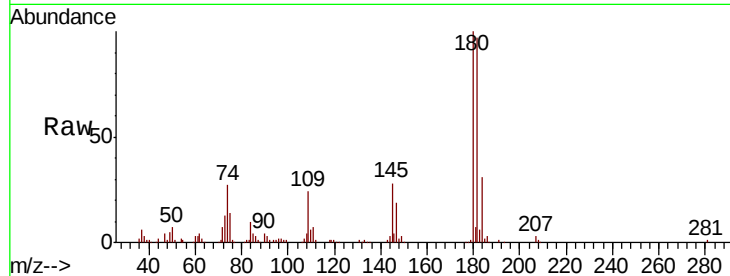
#93
 1,2,4-Trichlorobenzene
 Concen: 702.687 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	28.5	15.3	45.9

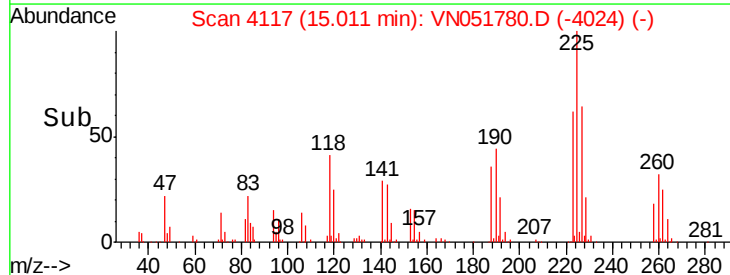
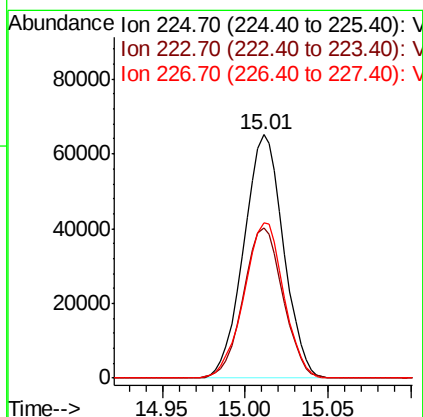
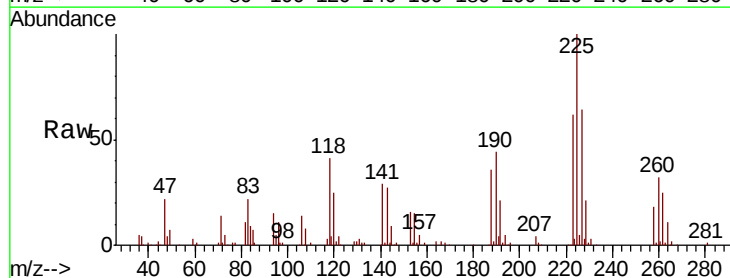
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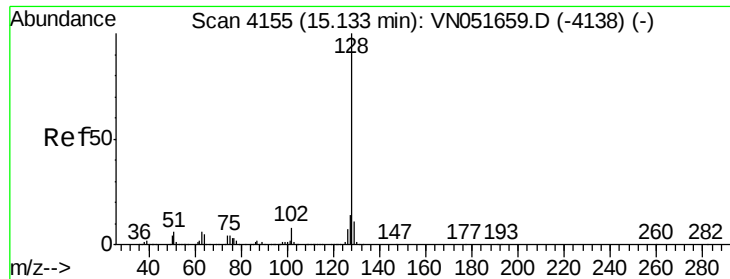
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#94
 Hexachlorobutadiene
 Concen: 827.490 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051780.D
 Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.5
227	63.8	31.7	95.1





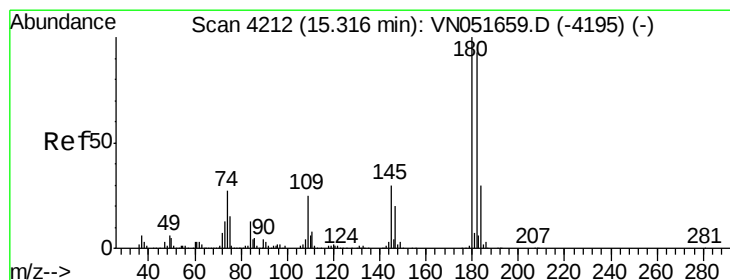
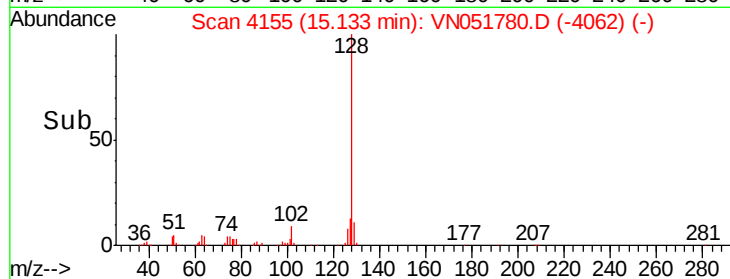
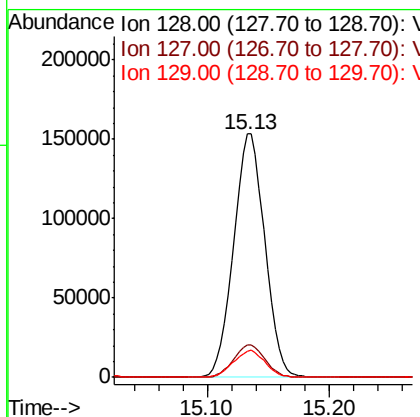
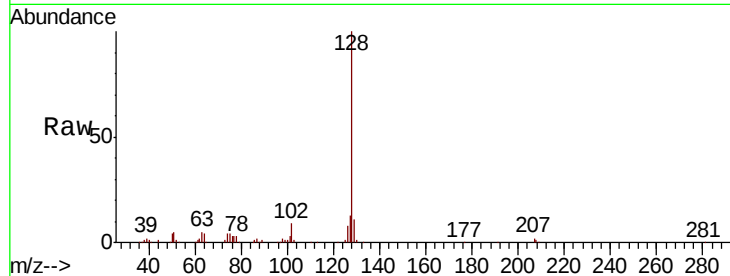
#95
Naphthalene
Concen: 652.994 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.2	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 750.356 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051780.D
Acq: 10 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	30.6	15.6	46.8

