

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051781.D
 Acq On : 10 Oct 2018 11:11
 Operator : MD\SY
 Sample : VN1010WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 02:17:20 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	623720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	934934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	849492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	420157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	393921	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.59	113	364915	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.09	98	1339150	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	438777	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	138047	18.440	ug/l	99
3) Chloromethane	2.06	50	125963	17.696	ug/l	98
4) Vinyl Chloride	2.18	62	190891	17.025	ug/l	99
5) Bromomethane	2.56	94	164390	19.065	ug/l	96
6) Chloroethane	2.70	64	133568	17.724	ug/l	98
7) Trichlorofluoromethane	3.01	101	208121	16.935	ug/l	97
8) Diethyl Ether	3.41	74	66196	20.259	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127870	20.518	ug/l	97
10) Methyl Iodide	3.95	142	148230	19.486	ug/l	99
11) Tert butyl alcohol	4.79	59	56081	100.149	ug/l	97
12) 1,1-Dichloroethene	3.74	96	113034	19.460	ug/l	90
13) Acrolein	3.61	56	19947	47.314	ug/l	97
14) Allyl chloride	4.33	41	144783	16.343	ug/l	96
15) Acrylonitrile	4.99	53	186987	96.766	ug/l	97
16) Acetone	3.82	43	142283	91.115	ug/l	98
17) Carbon Disulfide	4.05	76	280372	15.880	ug/l	99
18) Methyl Acetate	4.33	43	94378	20.752	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	364752	19.025	ug/l	97
20) Methylene Chloride	4.55	84	132840	19.595	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	126633	18.398	ug/l	96
22) Diisopropyl ether	5.96	45	331996	17.482	ug/l	98
23) Vinyl Acetate	5.90	43	1190900	85.287	ug/l	98
24) 1,1-Dichloroethane	5.85	63	222471	18.215	ug/l	98
25) 2-Butanone	6.84	43	217715	91.504	ug/l	96
26) 2,2-Dichloropropane	6.83	77	223317	18.246	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	154627	19.352	ug/l	94
28) Bromochloromethane	7.20	49	96623	17.870	ug/l	86
29) Tetrahydrofuran	7.22	42	142974	97.921	ug/l	95
30) Chloroform	7.37	83	263581	19.208	ug/l	99
31) Cyclohexane	7.66	56	191691	17.138	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	247065	18.575	ug/l	98
36) 1,1-Dichloropropene	7.80	75	183075	18.734	ug/l	99
37) Ethyl Acetate	6.93	43	98642	19.354	ug/l	98
38) Carbon Tetrachloride	7.78	117	217893	18.582	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226254	18.444	ug/l	96
40) Benzene	8.04	78	551309	19.030	ug/l	97
41) Methacrylonitrile	7.18	41	48842	18.410	ug/l	95
42) 1,2-Dichloroethane	8.13	62	186740	19.127	ug/l	99
43) Isopropyl Acetate	8.17	43	200762	18.893	ug/l #	87
44) Trichloroethene	8.84	130	164322	19.977	ug/l	100
45) 1,2-Dichloropropane	9.12	63	134049	18.715	ug/l	98
46) Dibromomethane	9.21	93	97411	19.566	ug/l	96
47) Bromodichloromethane	9.40	83	203075	18.529	ug/l	98
48) Methyl methacrylate	9.20	41	92650	19.081	ug/l	98
49) 1,4-Dioxane	9.20	88	30745	422.268	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	523198	97.164	ug/l	99
52) Toluene	10.16	92	369270	19.165	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196076	17.338	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	211574	17.618	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	136717	19.918	ug/l	98
56) Ethyl methacrylate	10.43	69	166965	19.235	ug/l	97
57) 1,3-Dichloropropane	10.71	76	212809	19.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	339804	94.589	ug/l	97
59) 2-Hexanone	10.75	43	338373	92.530	ug/l	100
60) Dibromochloromethane	10.90	129	164036	18.262	ug/l	99
61) 1,2-Dibromoethane	11.01	107	142156	19.591	ug/l	100
64) Tetrachloroethene	10.63	164	162577	21.693	ug/l	97
65) Chlorobenzene	11.43	112	422588	20.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162026	19.234	ug/l	100
67) Ethyl Benzene	11.51	91	698595	19.211	ug/l	99
68) m/p-Xylenes	11.62	106	559511	38.454	ug/l	100
69) o-Xylene	11.95	106	282806	19.819	ug/l	97
70) Styrene	11.96	104	424293	18.660	ug/l	99
71) Bromoform	12.13	173	107274	17.120	ug/l #	99
73) Isopropylbenzene	12.25	105	749863	20.937	ug/l	99
74) N-amyl acetate	12.07	43	151084	18.331	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	162849	21.223	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132788m	23.239	ug/l	
77) Bromobenzene	12.53	156	182850	20.880	ug/l	97
78) n-propylbenzene	12.59	91	795160	20.355	ug/l	98
79) 2-Chlorotoluene	12.68	91	474763	20.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	612269	20.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39639	17.342	ug/l	94
82) 4-Chlorotoluene	12.77	91	459678	19.875	ug/l	98
83) tert-Butylbenzene	12.99	119	574218	21.231	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	612635	20.264	ug/l	99
85) sec-Butylbenzene	13.17	105	734883	20.542	ug/l	100
86) p-Isopropyltoluene	13.29	119	648413	20.445	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315419	20.670	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	302897	20.166	ug/l	99
89) n-Butylbenzene	13.62	91	488992	19.500	ug/l	99
90) Hexachloroethane	13.88	117	116045	18.339	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	315419	20.792	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25366	20.161	ug/l	99

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ClientSampleId :
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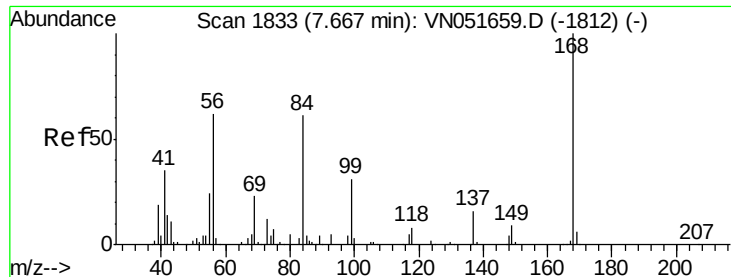
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132532	19.634	ug/l	98
94) Hexachlorobutadiene	15.01	225	98004	21.398	ug/l	98
95) Naphthalene	15.14	128	279784	19.193	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	136713	20.564	ug/l	97

(#) = 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: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

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ClientSampleId :

VN1010WBS01

Tot Ion:168 Resp: 623720

Ion Ratio Lower Upper

168 100

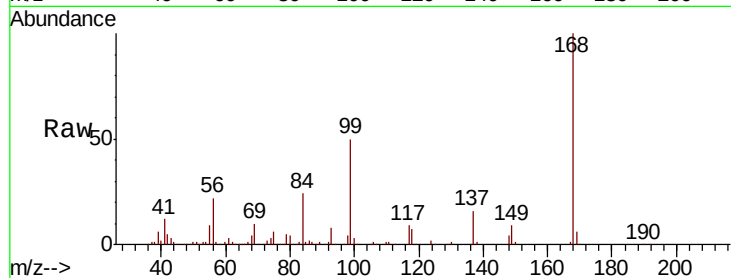
99 50.1 40.4 60.6

Manual Integrations

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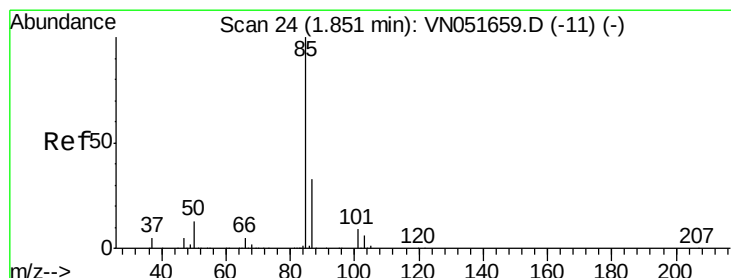
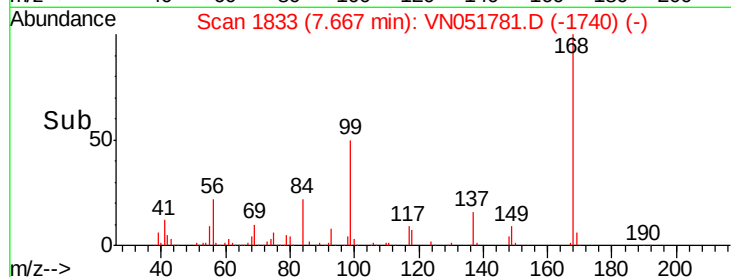
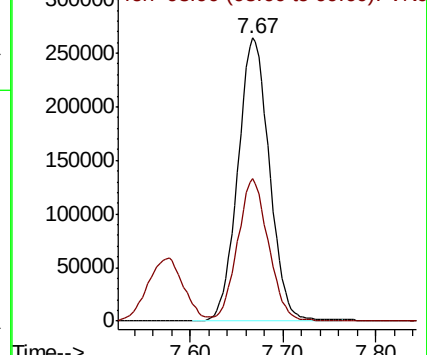
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 18.440 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051781.D

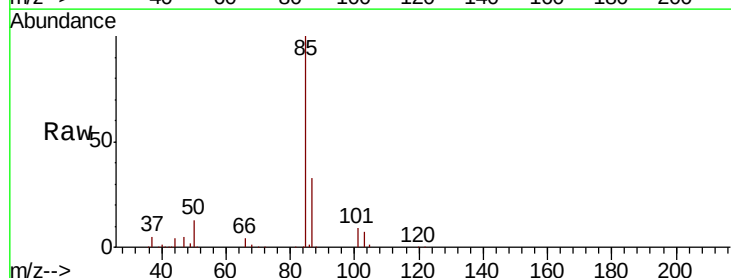
Acq: 10 Oct 2018 11:11

Tgt Ion: 85 Resp: 138047

Ion Ratio Lower Upper

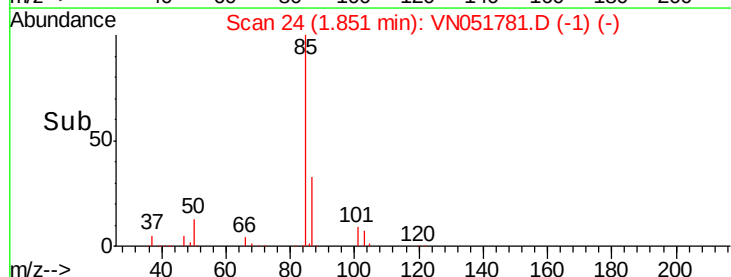
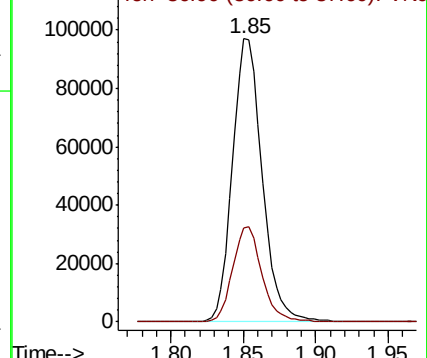
85 100

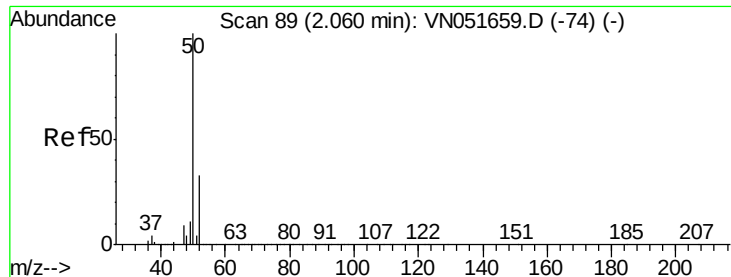
87 33.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 17.696 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 50 Resp: 125963

Ion Ratio Lower Upper

50 100

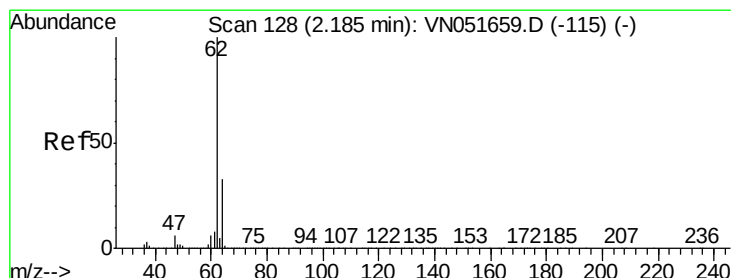
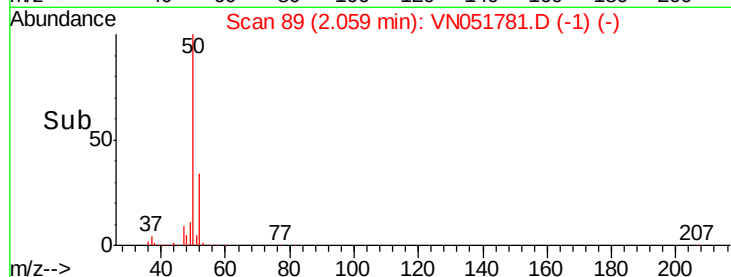
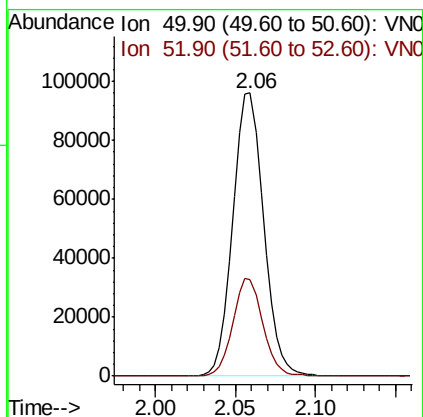
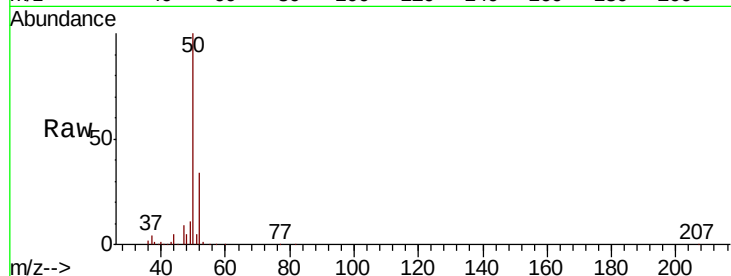
52 34.1 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.025 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051781.D

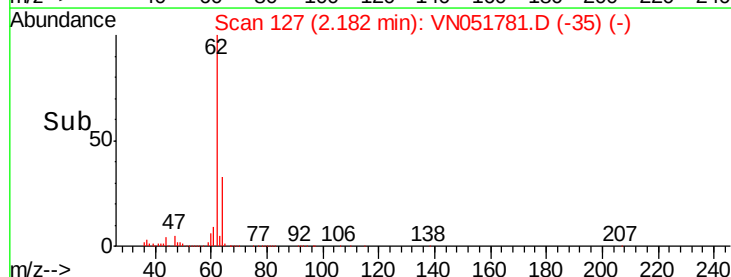
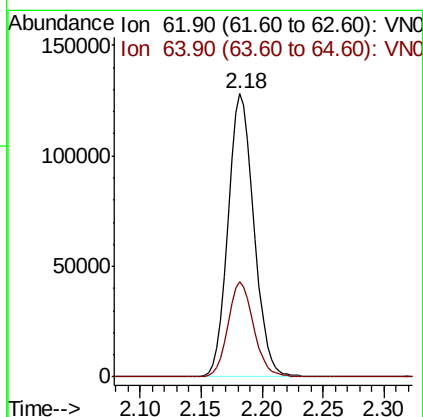
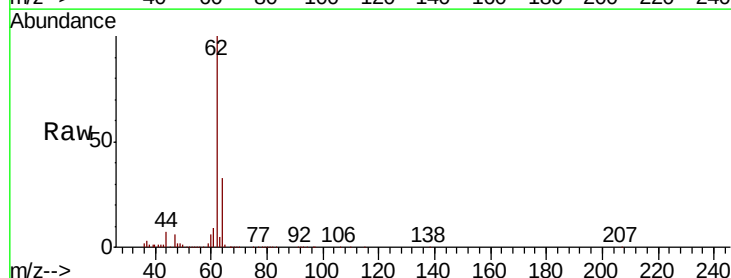
Acq: 10 Oct 2018 11:11

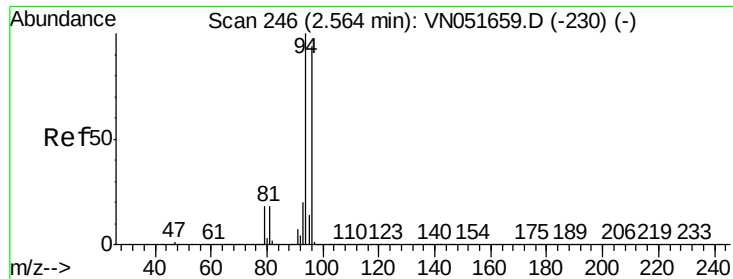
Tgt Ion: 62 Resp: 190891

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.4





#5

Bromomethane

Concen: 19.065 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 94 Resp: 164390

Ion Ratio Lower Upper

94 100

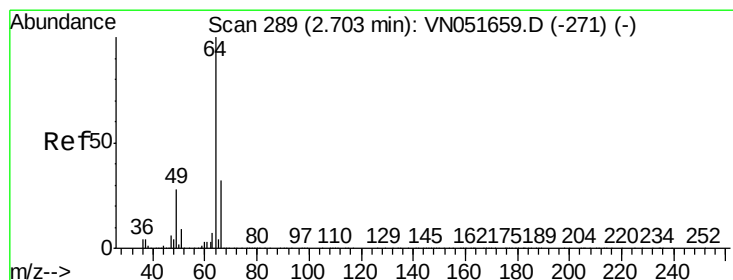
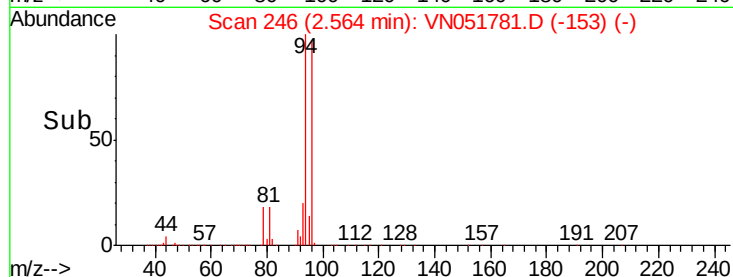
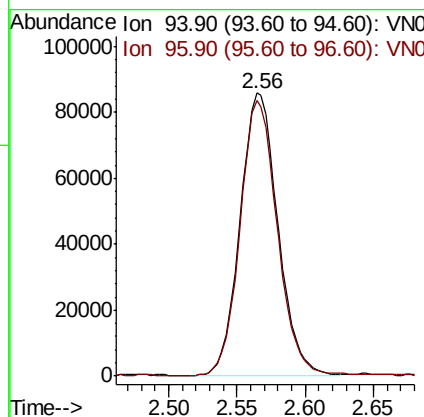
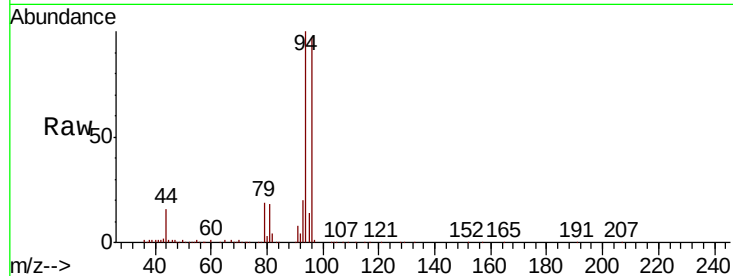
96 97.4 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 17.724 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051781.D

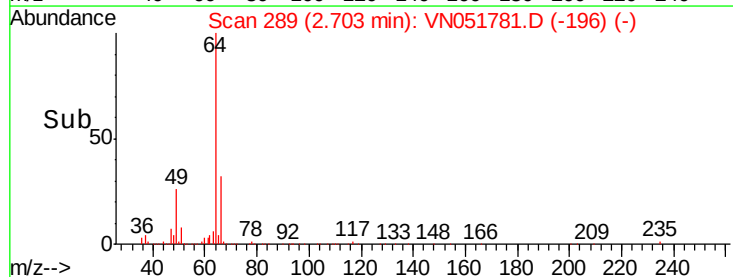
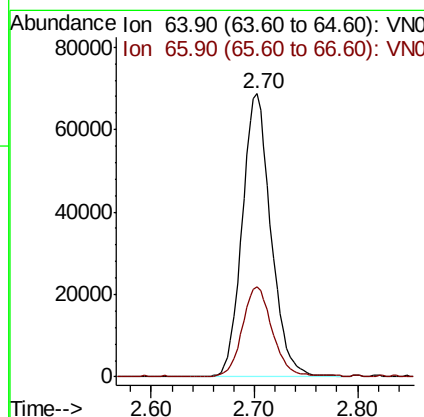
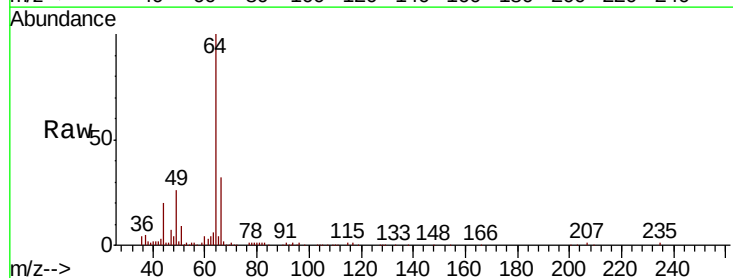
Acq: 10 Oct 2018 11:11

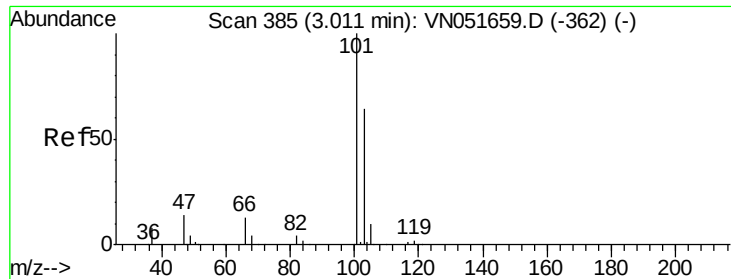
Tgt Ion: 64 Resp: 133568

Ion Ratio Lower Upper

64 100

66 31.6 26.0 39.0





#7

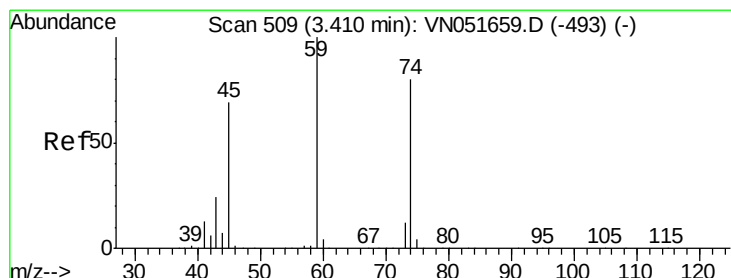
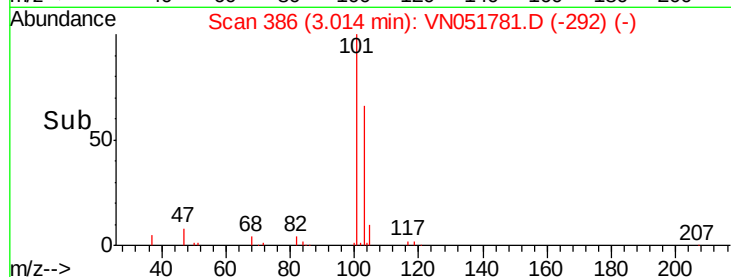
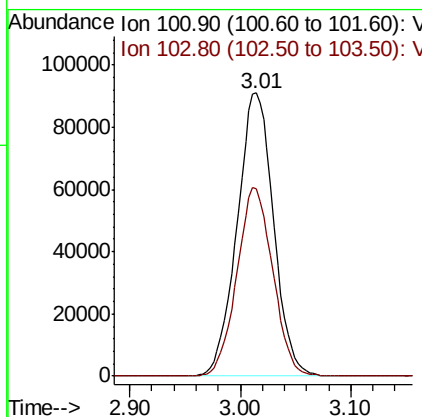
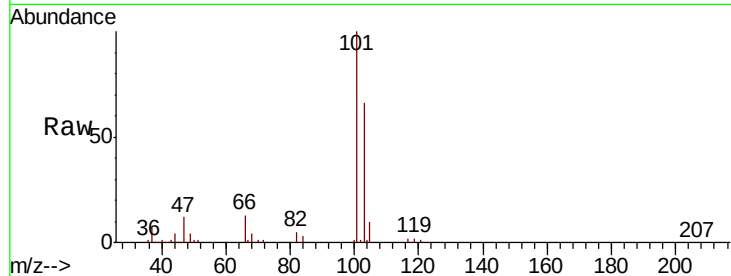
Trichlorofluoromethane
 Concen: 16.935 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
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 ClientSampleId :
 VN1010WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.1	76.7

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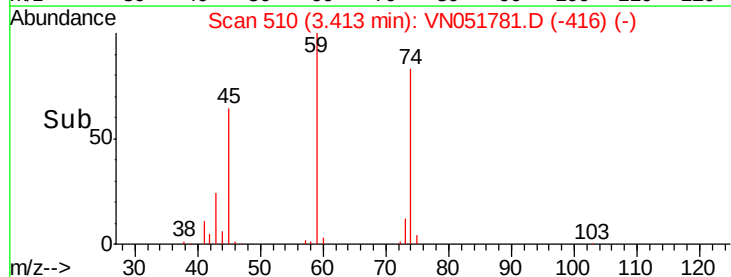
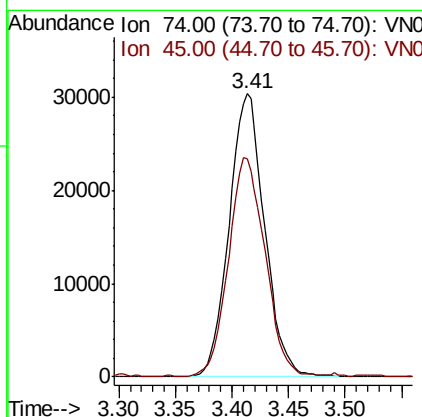
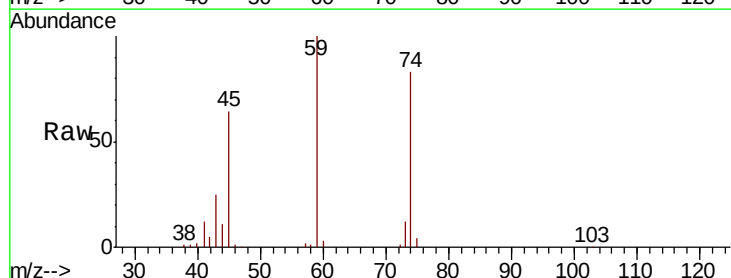
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 10/11/2018 5:51:13 PM

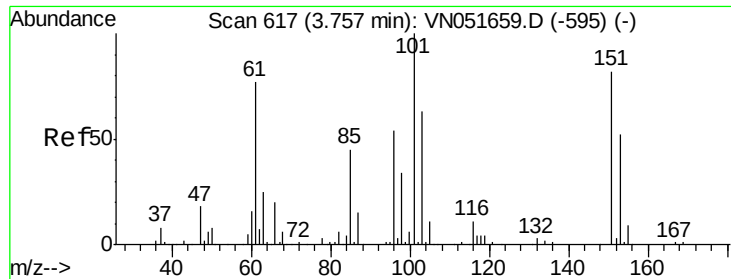


#8

Diethyl Ether
 Concen: 20.259 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.2	44.3	132.9





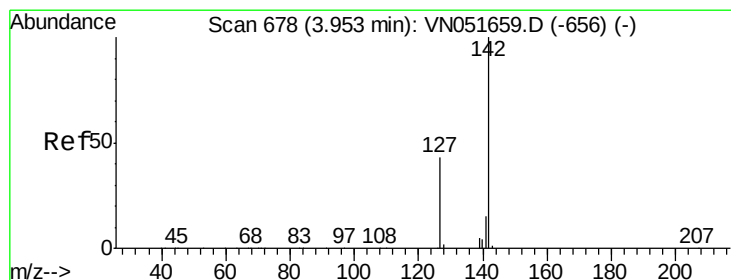
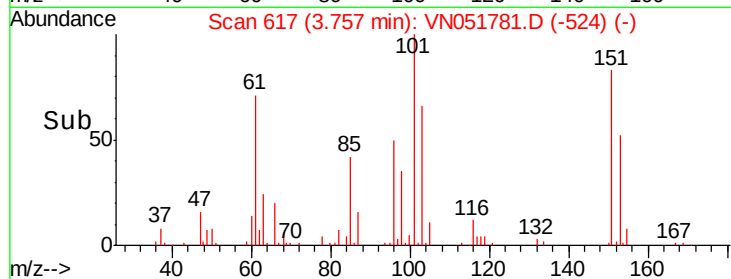
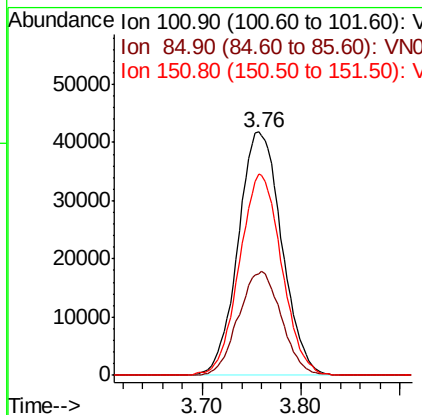
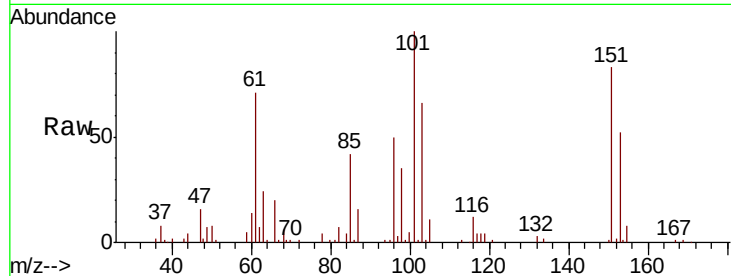
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.518 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	127870		
85	42.0	35.6	53.4	
151	80.0	65.5	98.3	

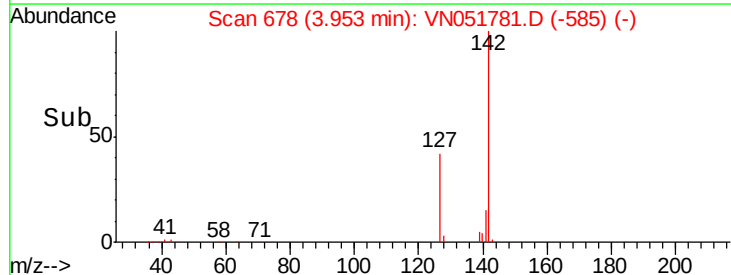
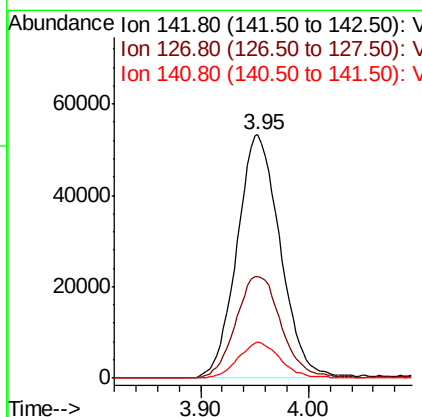
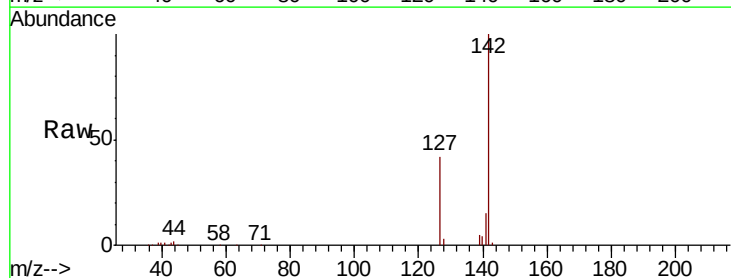
Manual Integrations
APPROVED

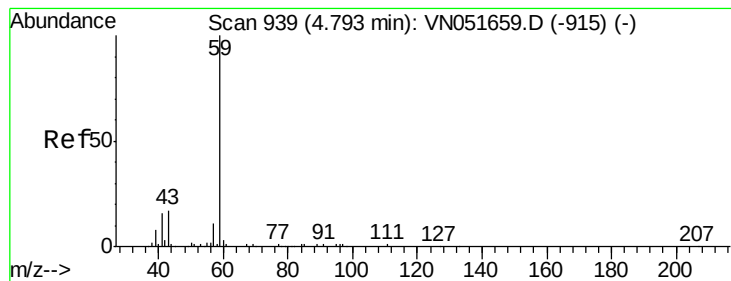
MMDadoda
10/11/2018 5:51:13 PM



#10
Methyl Iodide
Concen: 19.486 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	148230		
127	43.9	34.7	52.1	
141	14.1	11.4	17.2	





#11

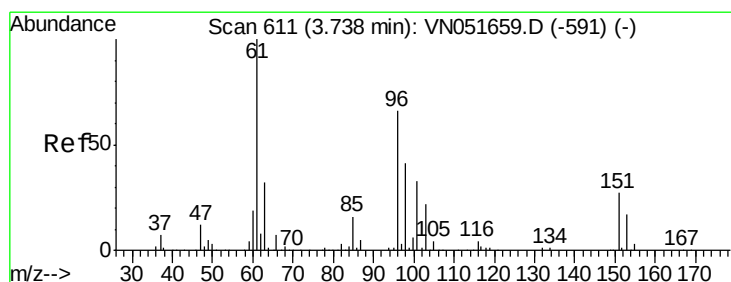
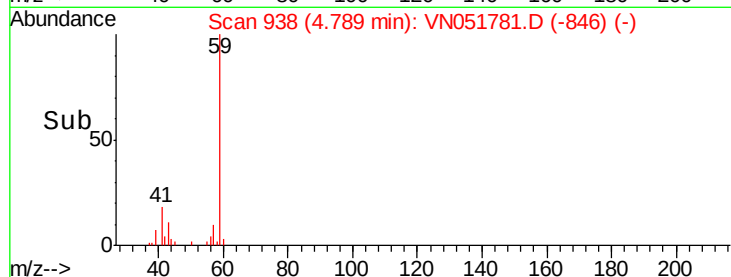
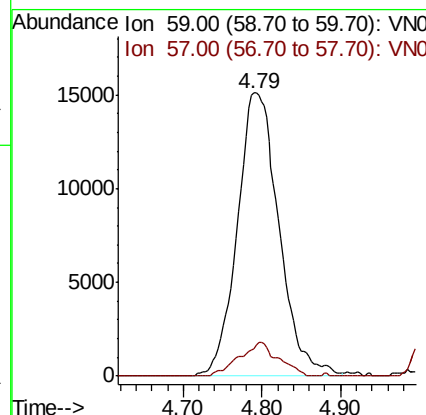
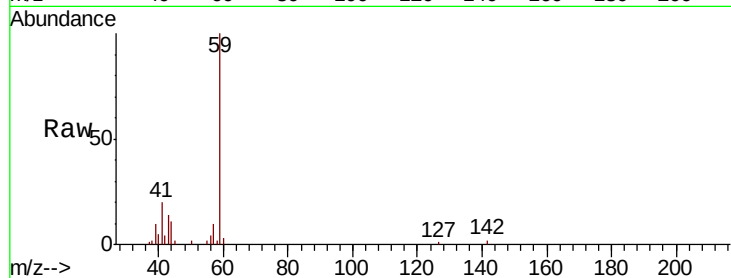
Tert butyl alcohol
 Concen: 100.149 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.1	12.1

Manual Integrations
 APPROVED

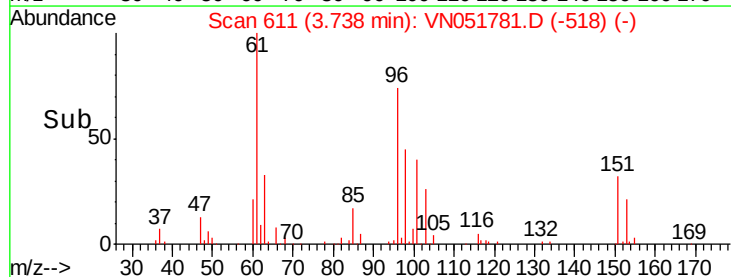
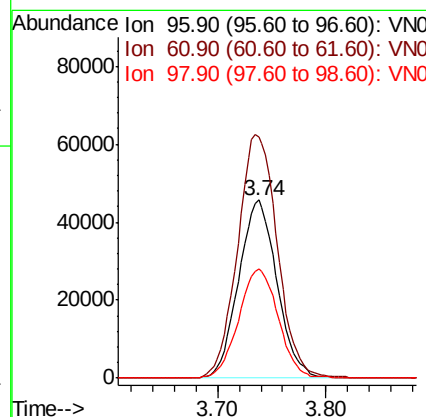
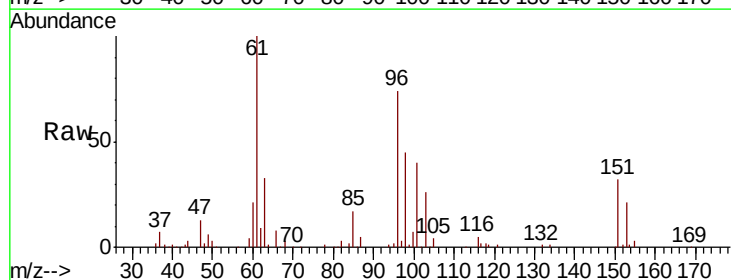
MMDadoda
 10/11/2018 5:51:13 PM

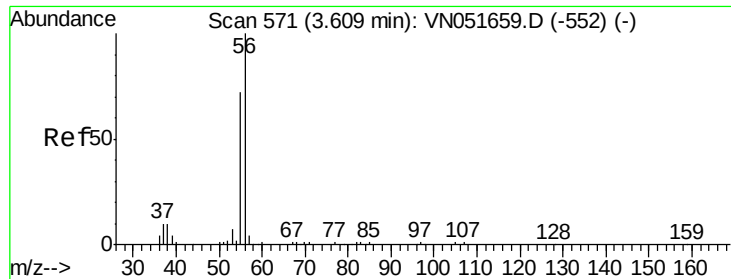


#12

1,1-Dichloroethene
 Concen: 19.460 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.0	121.4	182.0
98	61.2	49.9	74.9





#13

Acrolein

Concen: 47.314 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 56 Resp: 19947

Ion Ratio Lower Upper

56 100

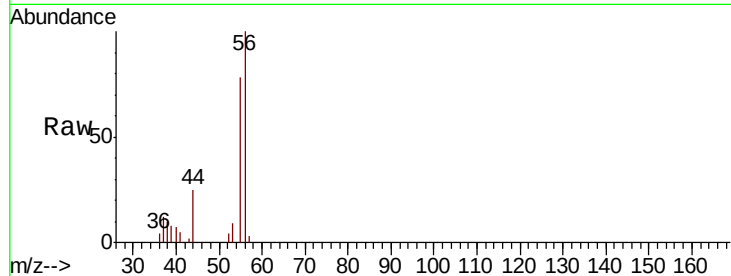
55 74.5 57.5 86.3

Manual Integrations

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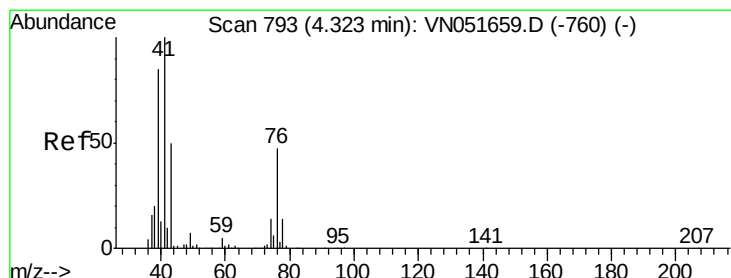
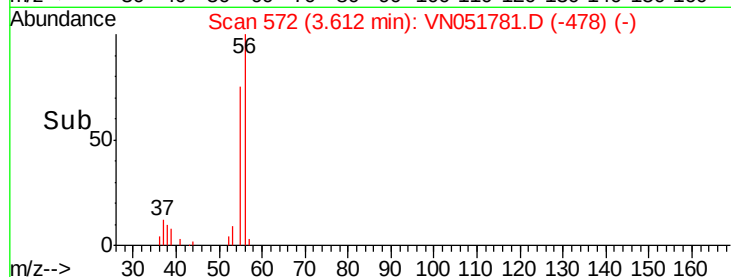
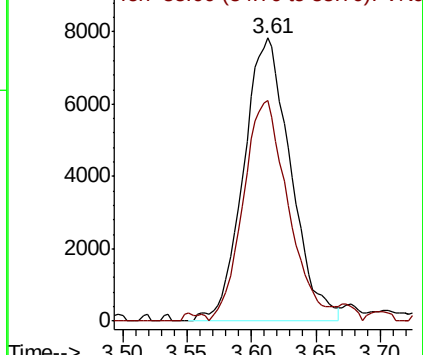
MMDadoda

10/11/2018 5:51:13 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.343 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

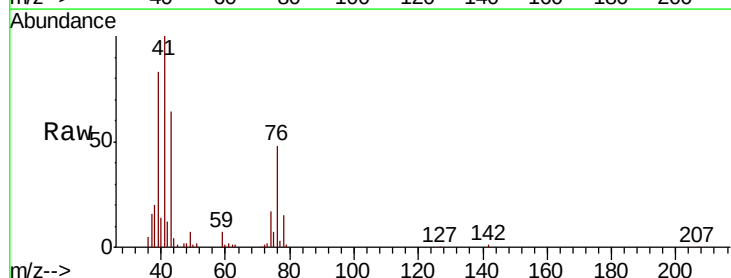
Tgt Ion: 41 Resp: 144783

Ion Ratio Lower Upper

41 100

39 84.6 65.4 98.0

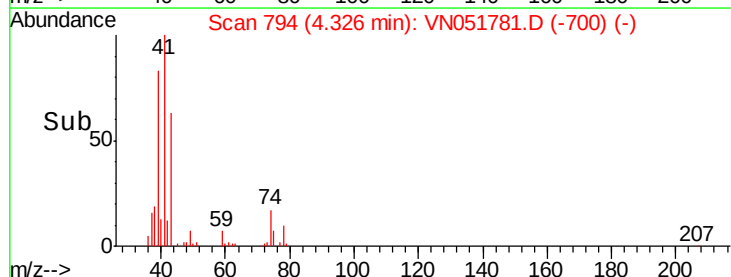
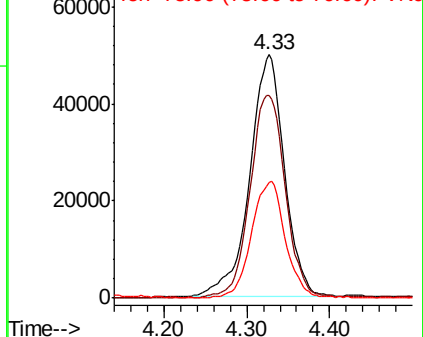
76 46.9 34.3 51.5

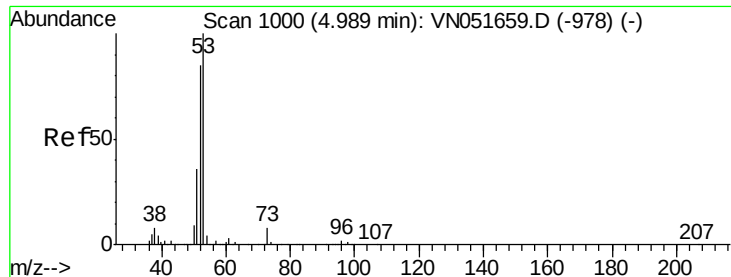


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.766 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

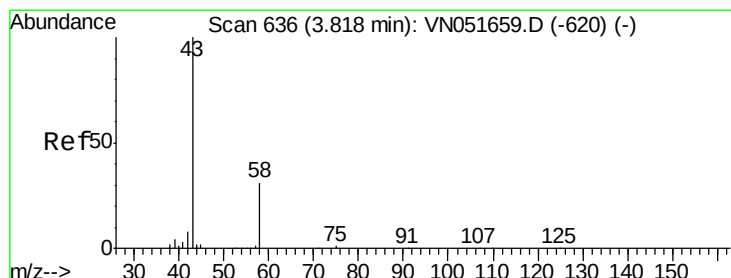
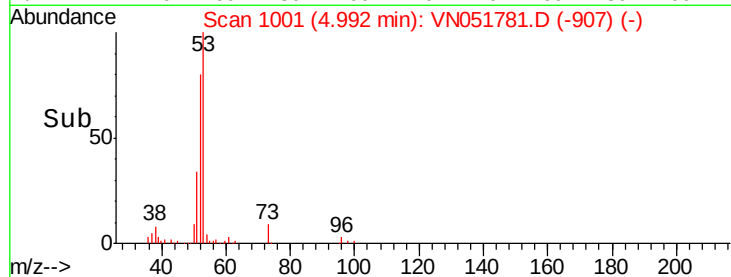
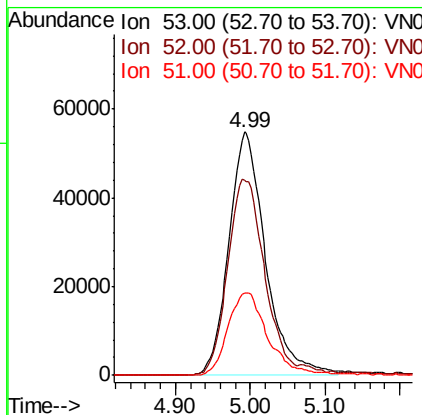
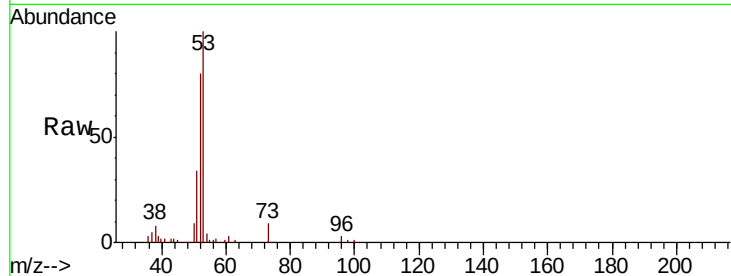
ClientSampleId :

VN1010WBS01

Tot Ion:	53	Resp:	186987
Ion Ratio	Lower	Upper	
53	100		
52	80.5	66.2	99.2
51	36.3	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 91.115 ug/l

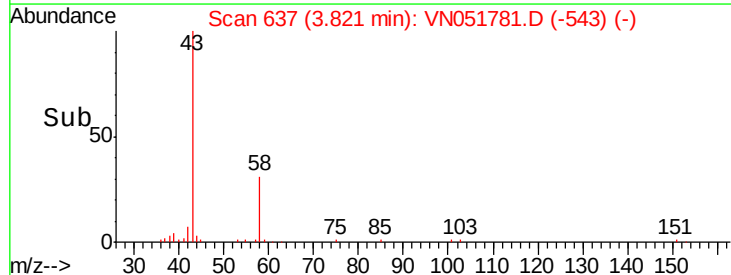
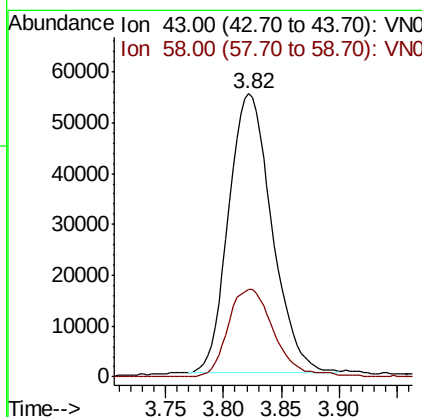
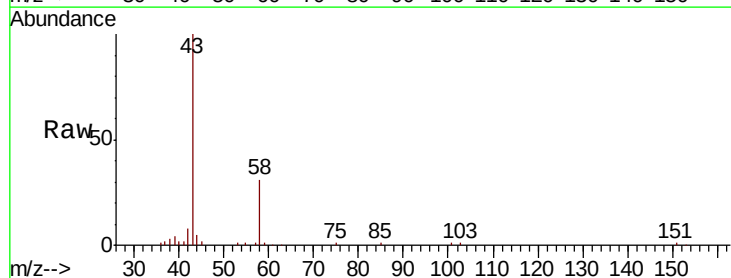
RT: 3.82 min Scan# 637

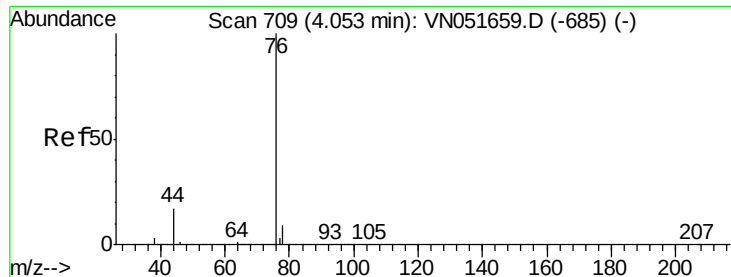
Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion:	43	Resp:	142283
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.3	36.5





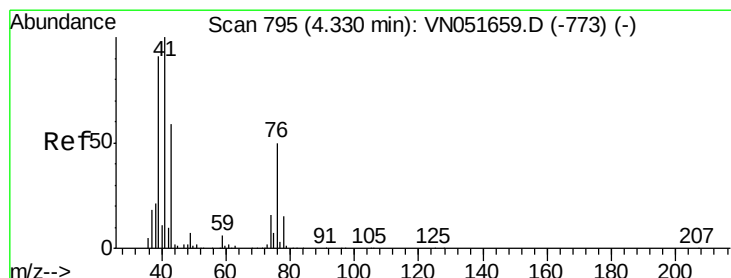
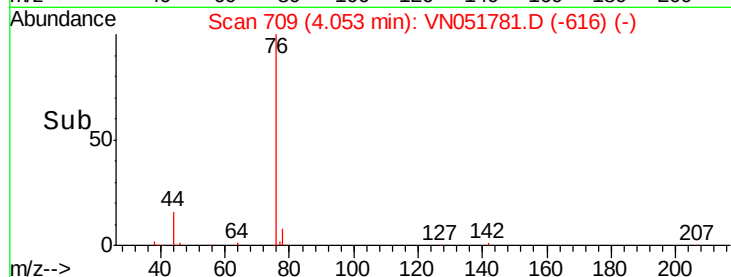
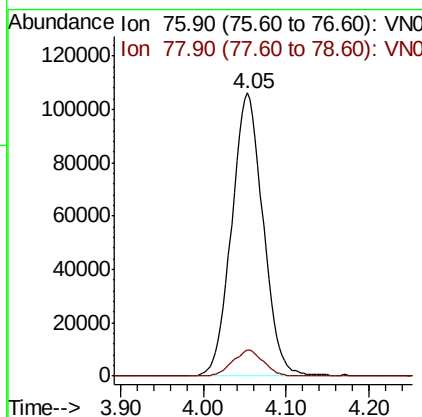
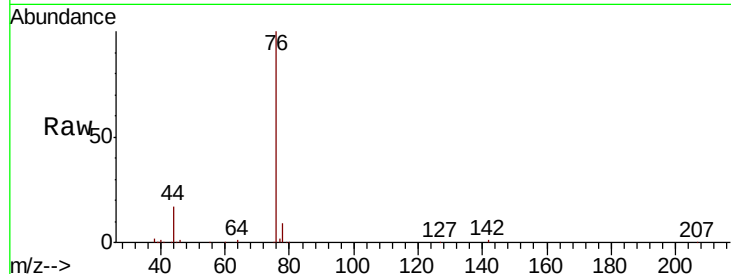
#17
Carbon Disulfide
Concen: 15.880 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

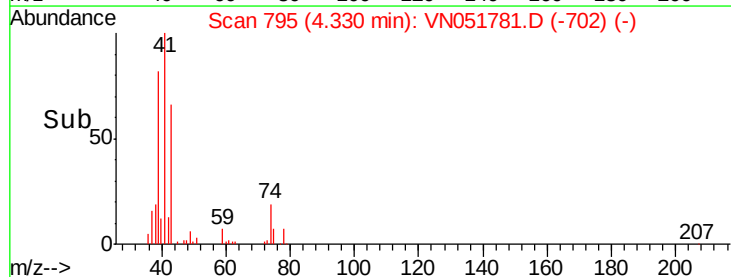
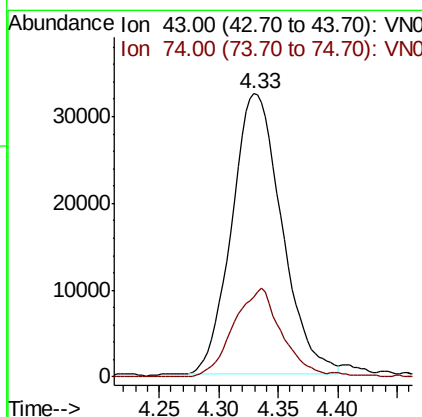
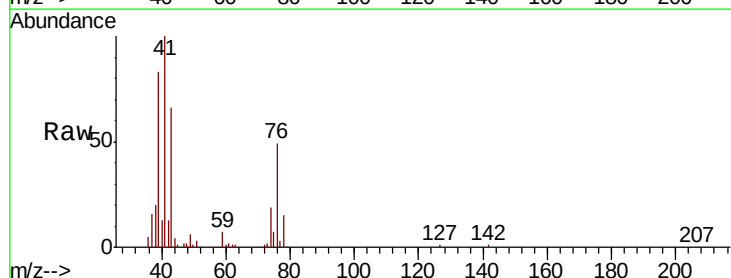
Manual Integrations
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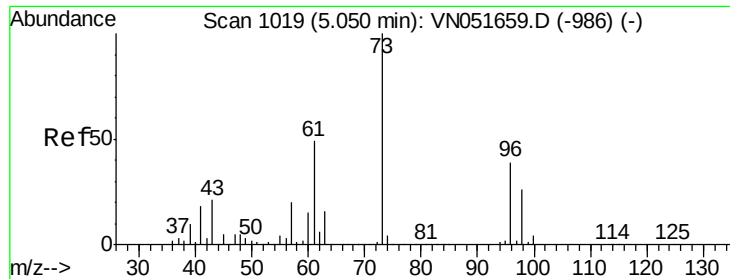
MMDadoda
10/11/2018 5:51:13 PM



#18
Methyl Acetate
Concen: 20.752 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.9	21.5	32.3





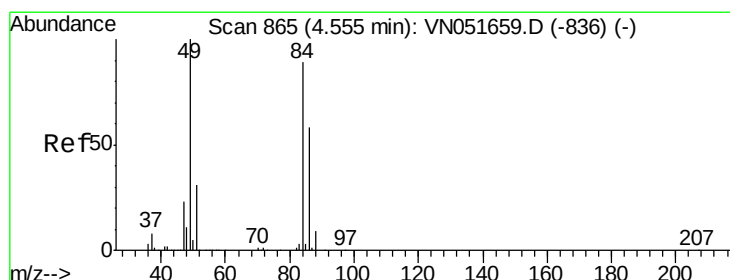
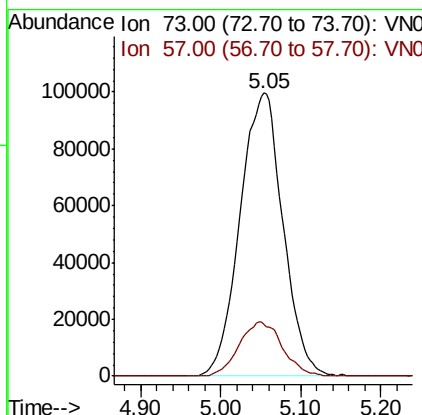
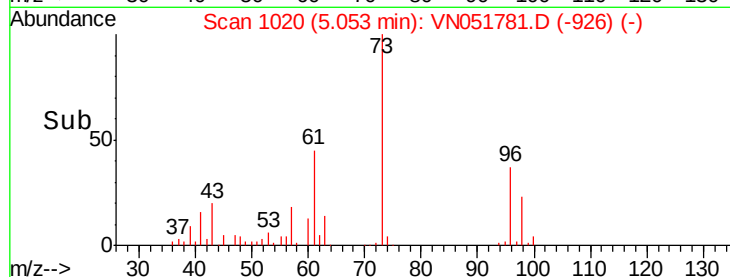
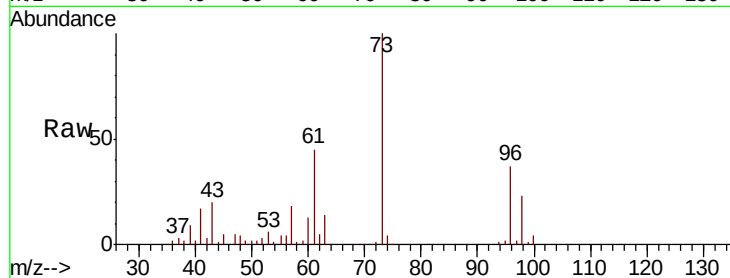
#19
Methyl tert-butyl Ether
Concen: 19.025 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion: 73 Resp: 364752
Ion Ratio Lower Upper
73 100
57 18.3 15.6 23.4

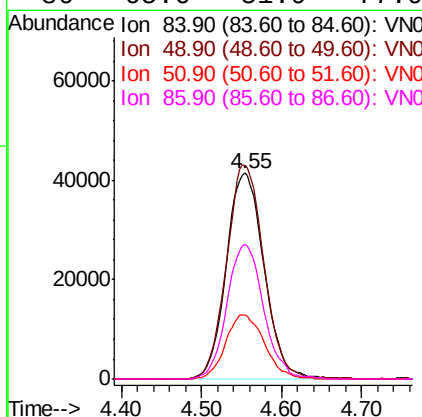
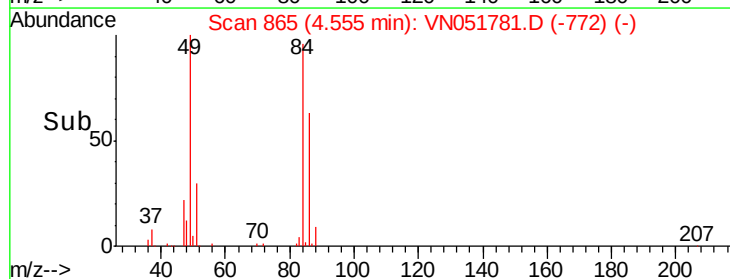
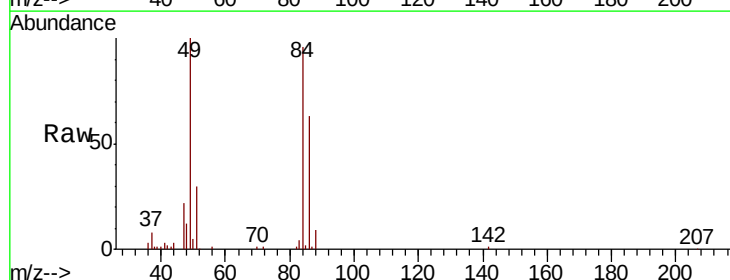
Manual Integrations
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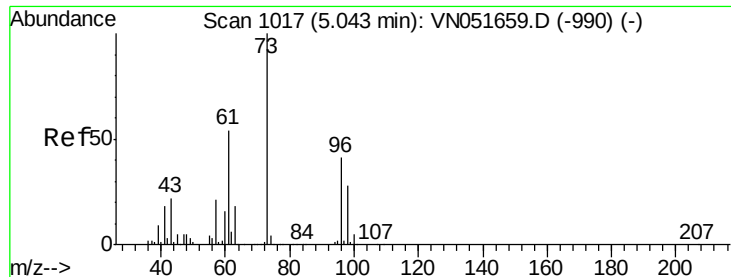
MMDadoda
10/11/2018 5:51:13 PM



#20
Methylene Chloride
Concen: 19.595 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion: 84 Resp: 132840
Ion Ratio Lower Upper
84 100
49 103.9 89.5 134.3
51 31.4 27.4 41.0
86 65.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.398 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 96 Resp: 126633

Ion Ratio Lower Upper

96 100

61 125.7 104.7 157.1

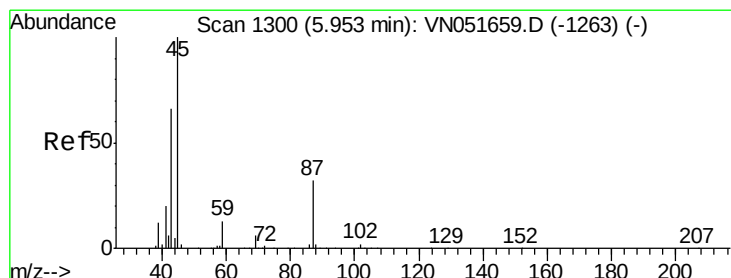
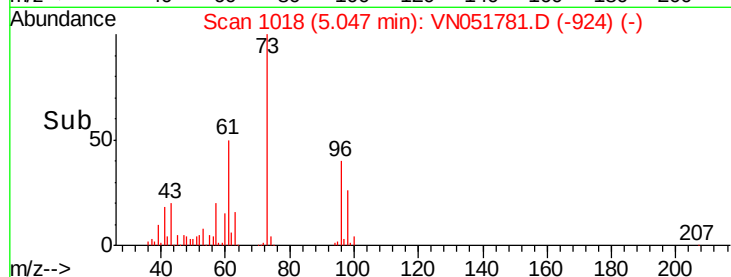
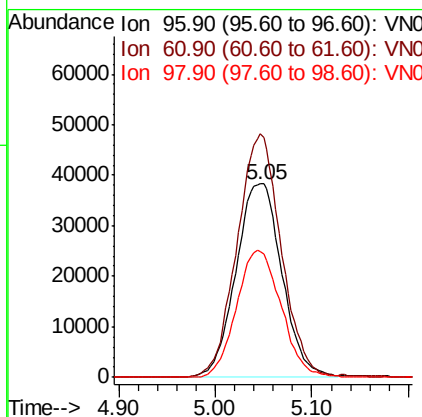
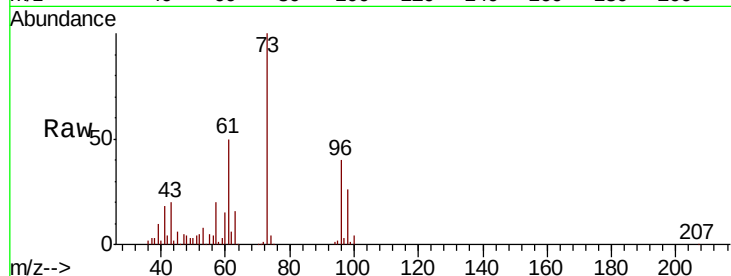
98 65.3 54.6 82.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 17.482 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion: 45 Resp: 331996

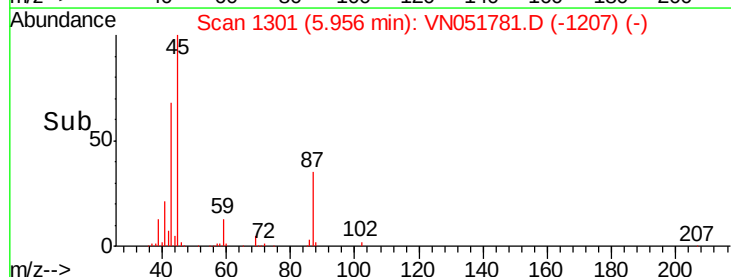
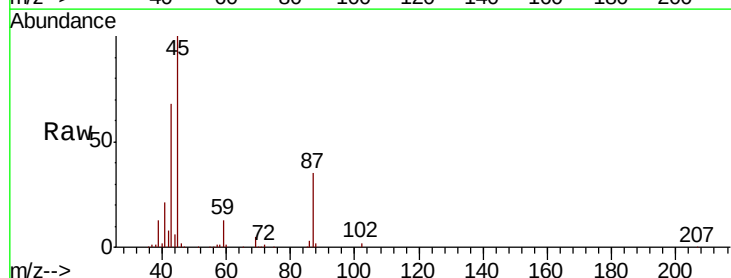
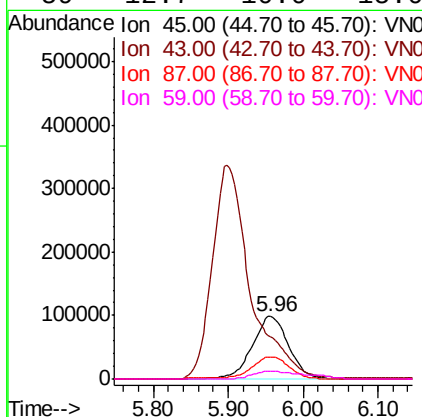
Ion Ratio Lower Upper

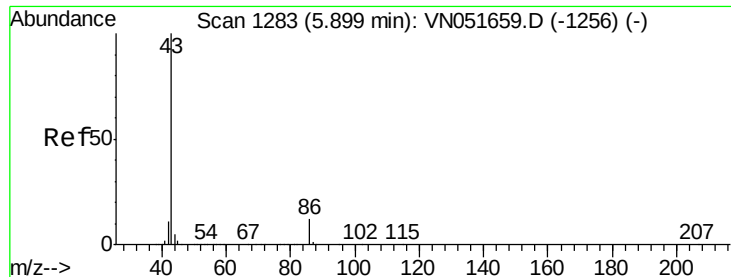
45 100

43 64.7 53.0 79.4

87 34.7 26.4 39.6

59 12.7 10.0 15.0





#23

Vinyl Acetate

Concen: 85.287 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 43 Resp: 1190900

Ion Ratio Lower Upper

43 100

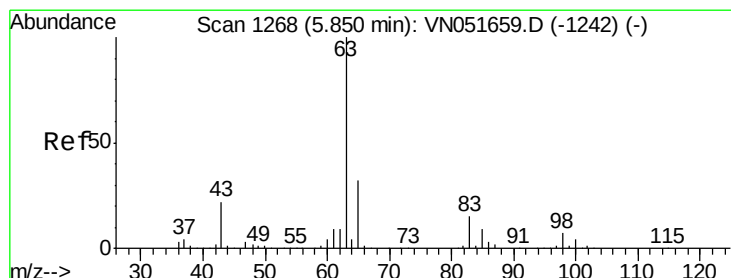
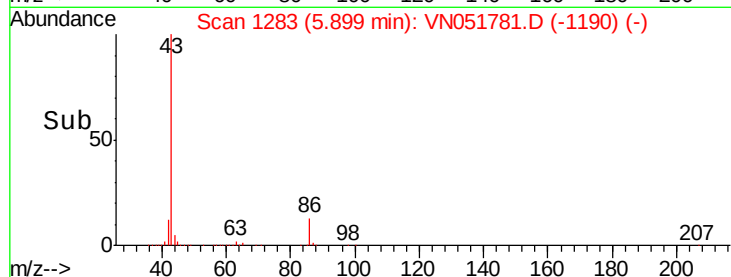
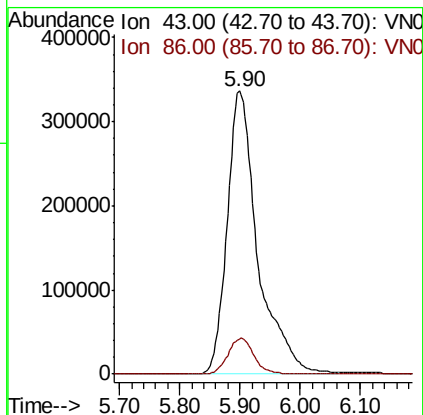
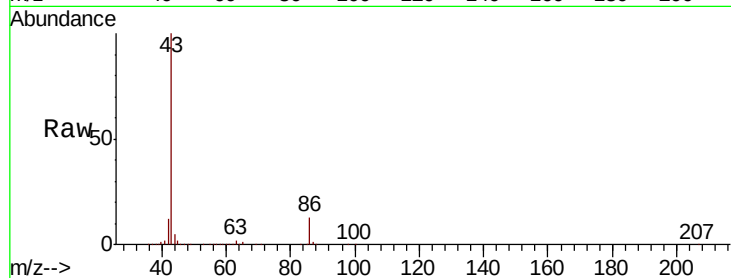
86 12.5 9.3 13.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.215 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

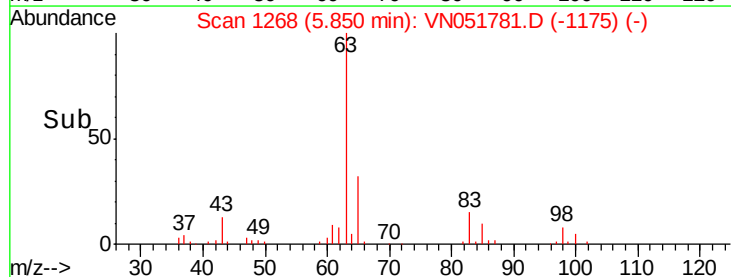
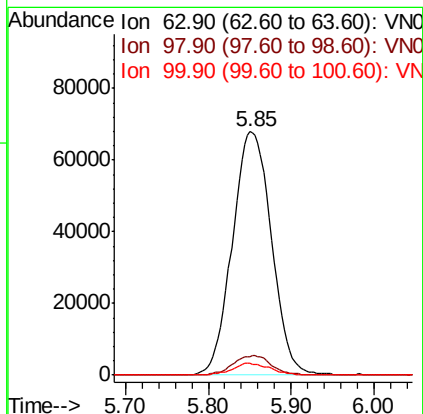
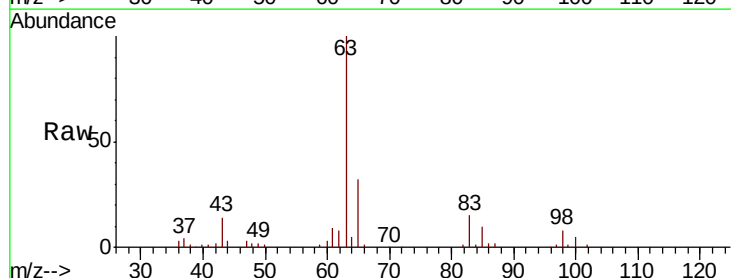
Tgt Ion: 63 Resp: 222471

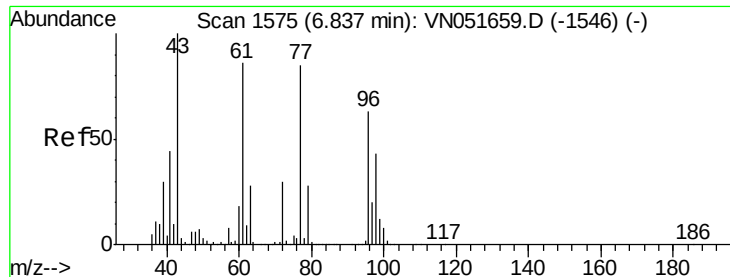
Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 91.504 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 43 Resp: 217715

Ion Ratio Lower Upper

43 100

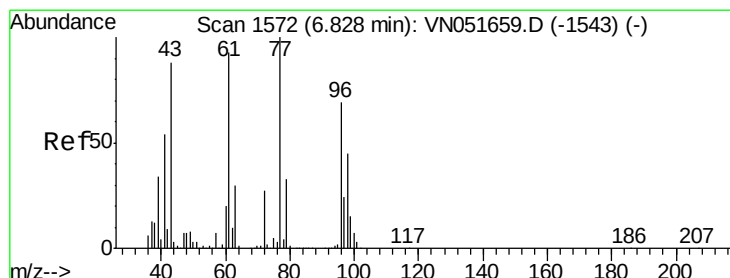
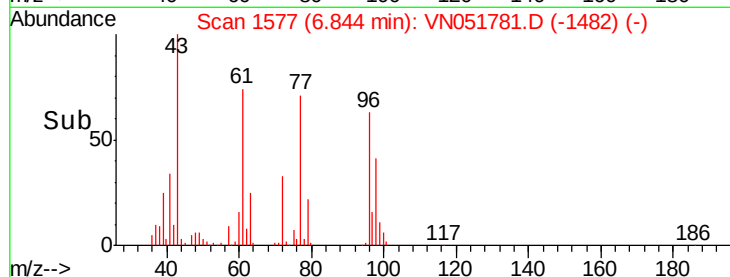
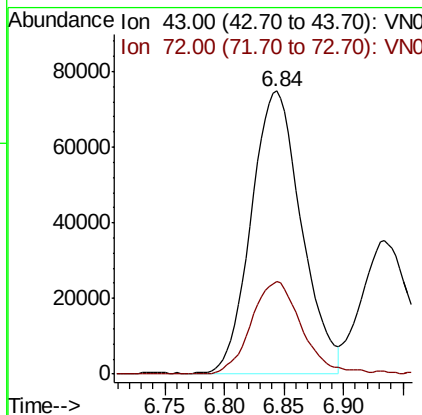
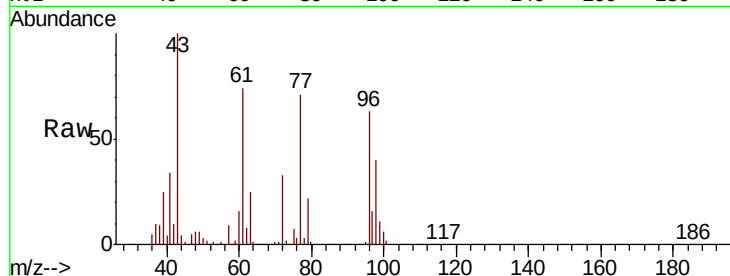
72 32.6 24.2 36.2

Manual Integrations

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MMDadoda

10/11/2018 5:51:13 PM



#26

2,2-Dichloropropane

Concen: 18.246 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051781.D

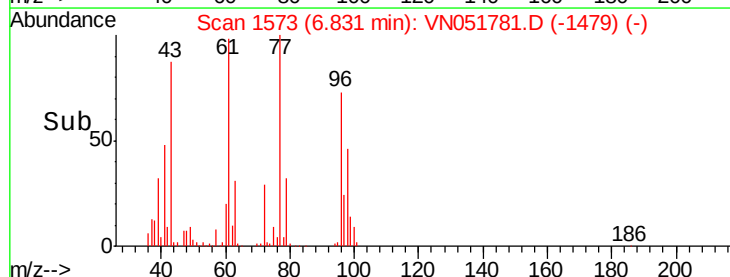
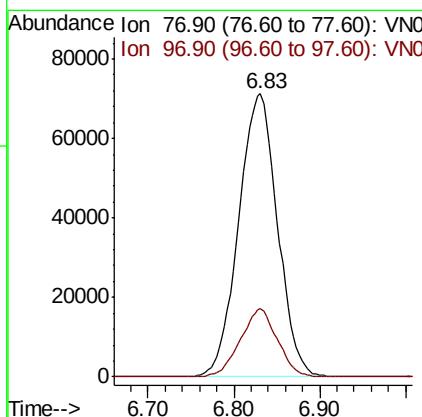
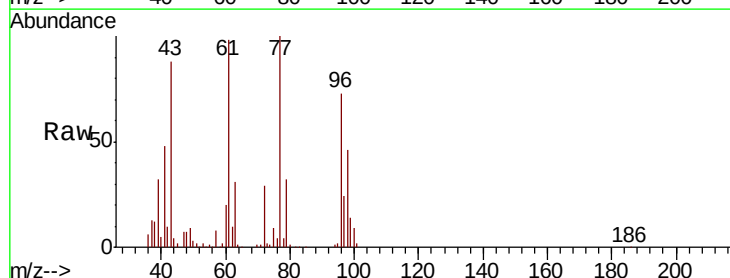
Acq: 10 Oct 2018 11:11

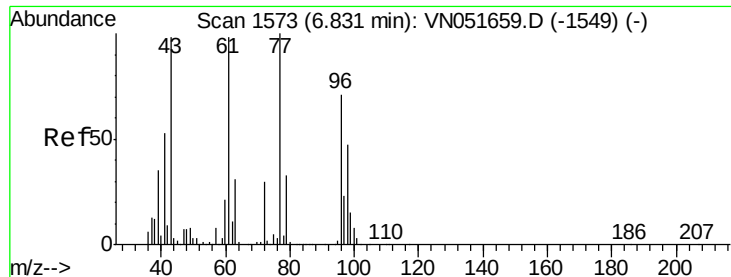
Tgt Ion: 77 Resp: 223317

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.352 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

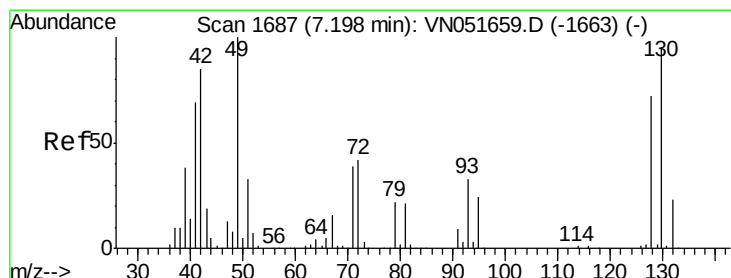
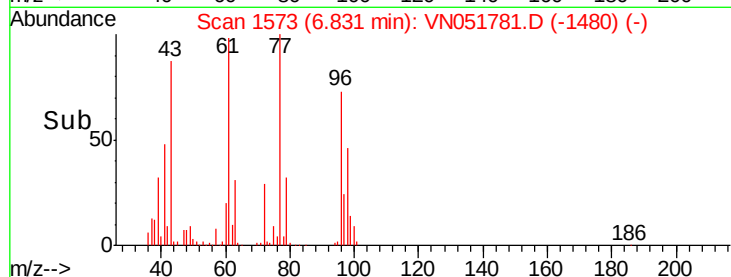
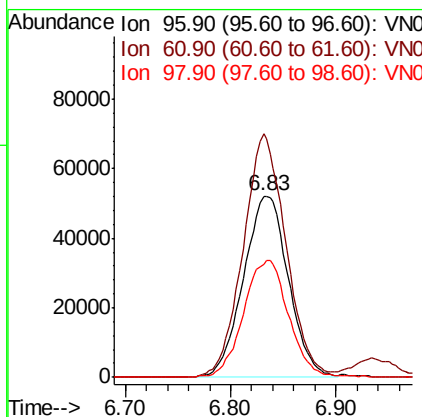
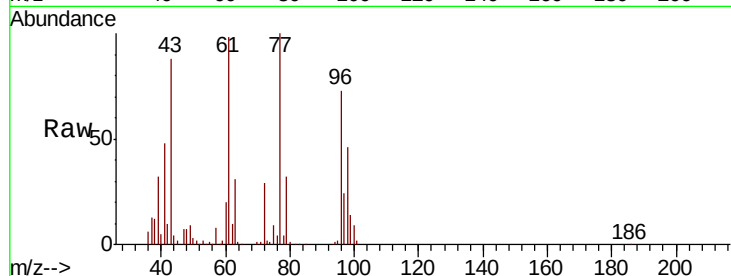
ClientSampleId :

VN1010WBS01

Tot Ion:	96	Resp:	154627
Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	275.4
98	64.3	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 17.870 ug/l

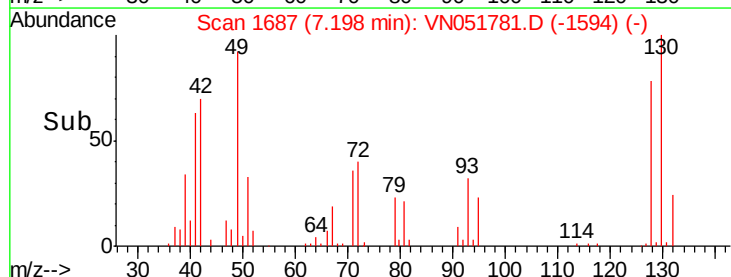
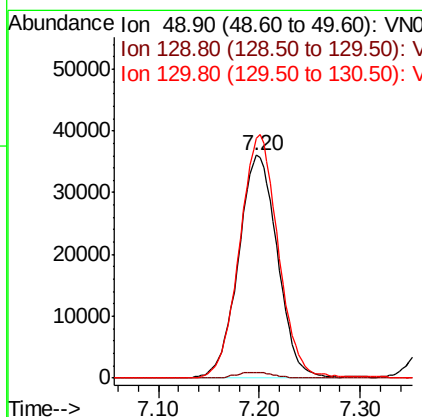
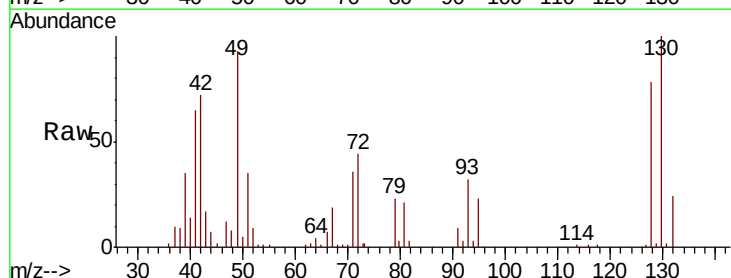
RT: 7.20 min Scan# 1687

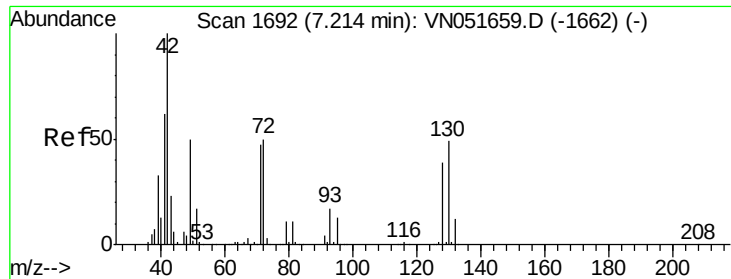
Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion:	49	Resp:	96623
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.8
130	108.1	75.7	113.5





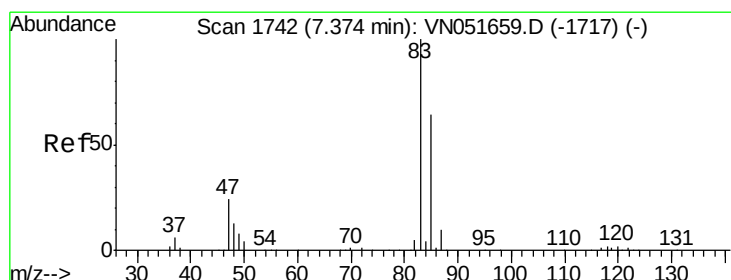
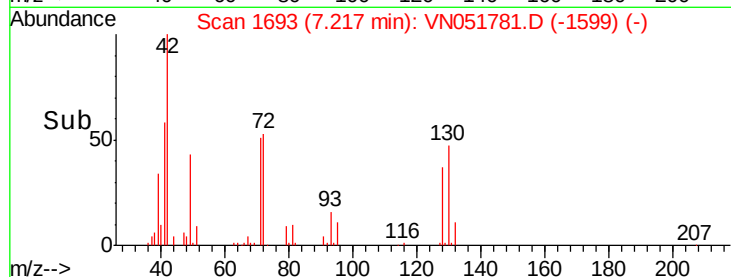
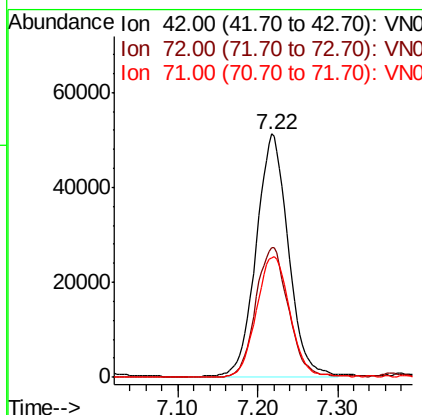
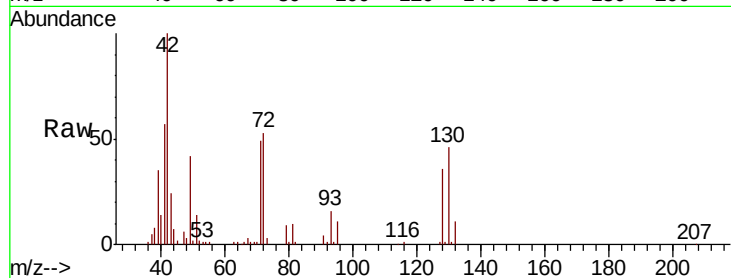
#29
Tetrahydrofuran
Concen: 97.921 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.0	40.1	60.1
71	50.9	38.0	57.0

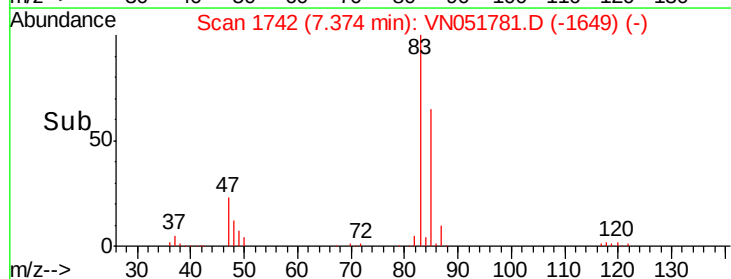
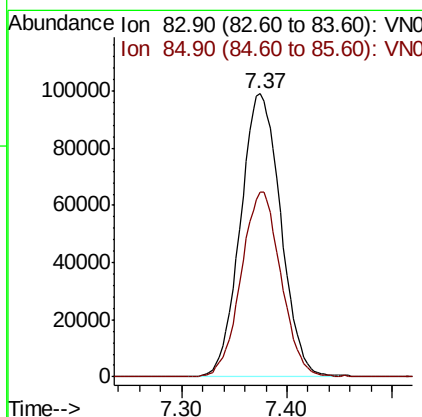
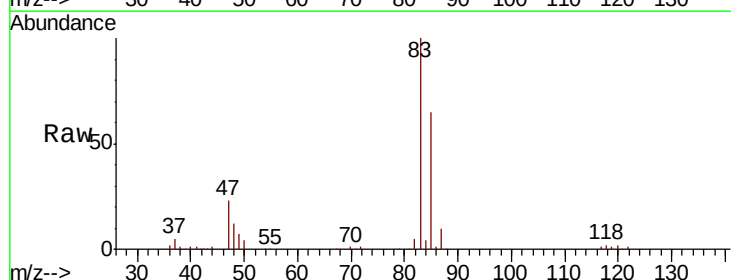
Manual Integrations
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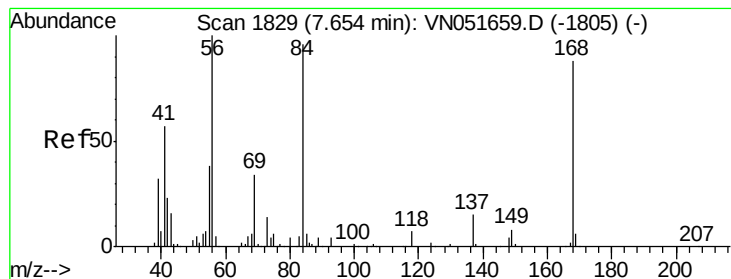
MMDadoda
10/11/2018 5:51:13 PM



#30
Chloroform
Concen: 19.208 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.6	77.4





#31

Cyclohexane

Concen: 17.138 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

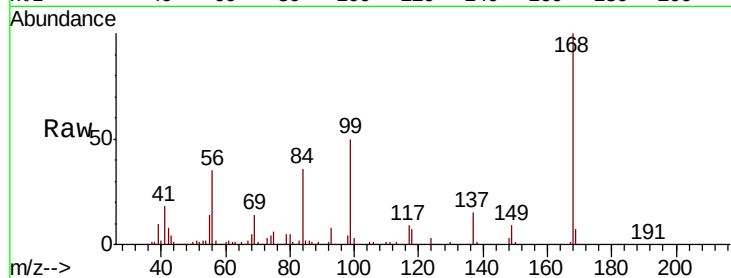
ClientSampleId :

VN1010WBS01

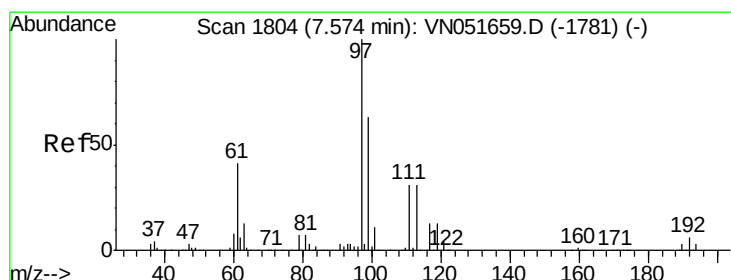
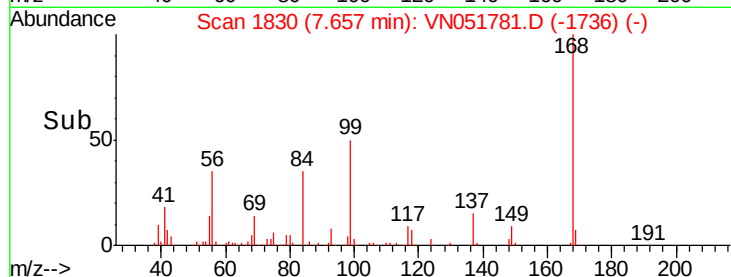
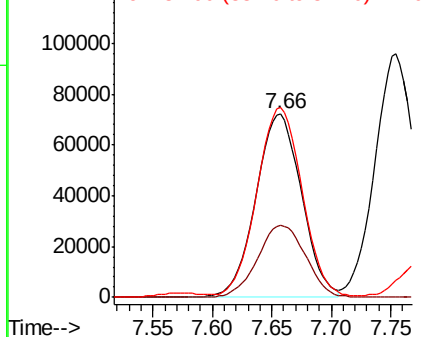
Tot Ion:	56	Resp:	191691
Ion Ratio	Lower	Upper	
56	100		
69	38.9	27.5	41.3
84	101.0	76.7	115.1

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



#32

1,1,1-Trichloroethane

Concen: 18.575 ug/l

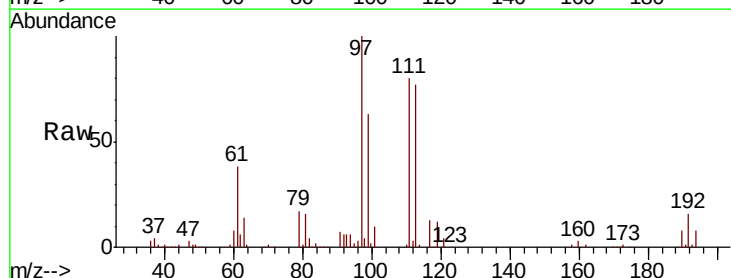
RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

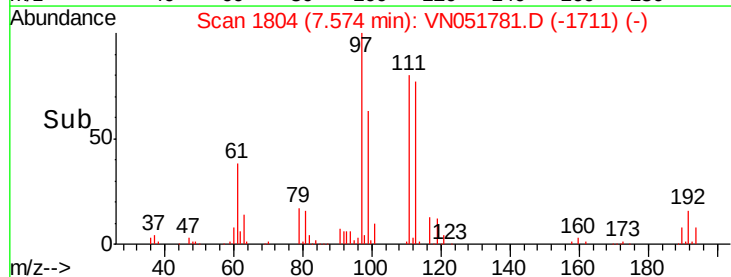
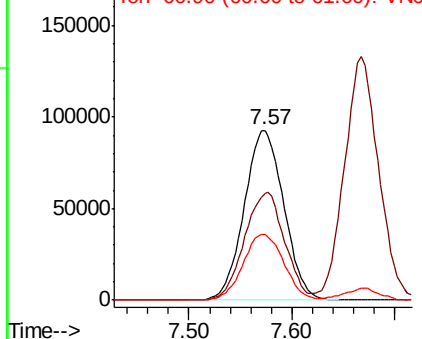
Lab File: VN051781.D

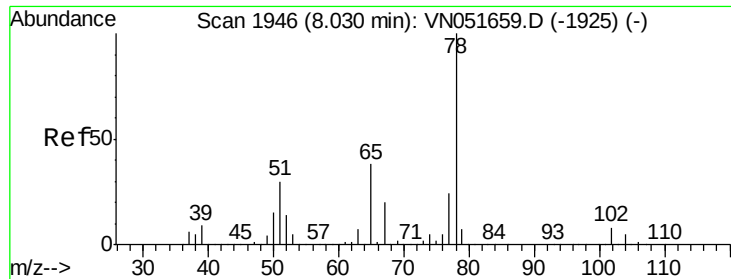
Acq: 10 Oct 2018 11:11

Tgt Ion:	97	Resp:	247065
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.9	77.9
61	39.9	33.4	50.0



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





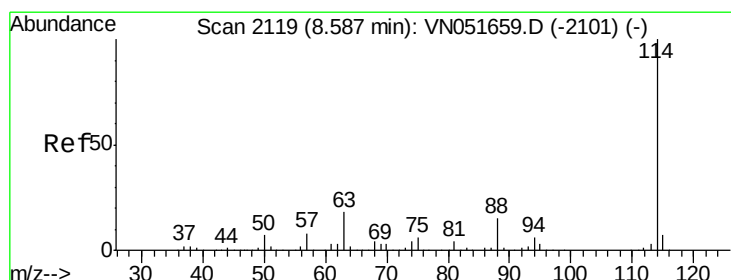
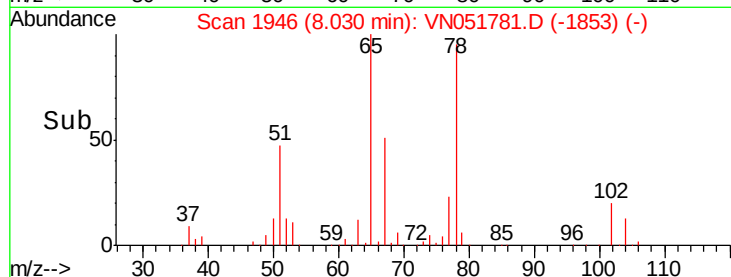
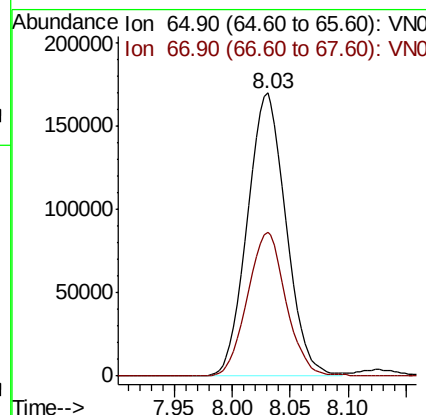
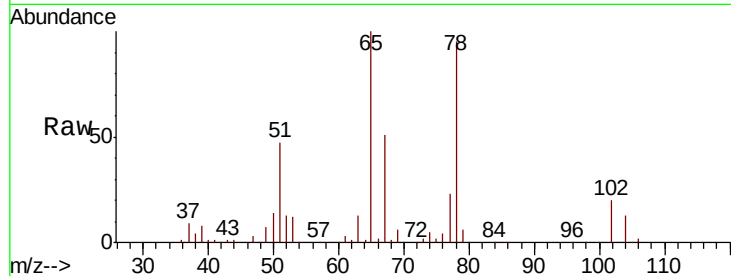
#33
 1,2-Dichloroethane-d4
 Concen: 18.575 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.8	0.0	103.6	

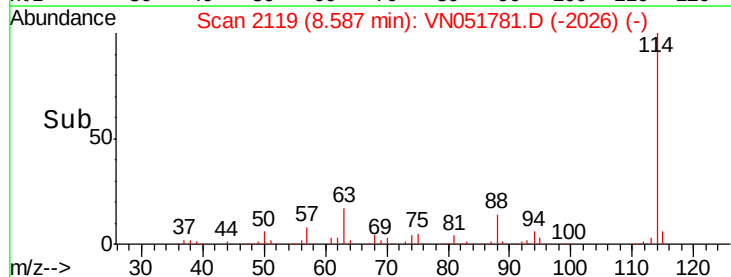
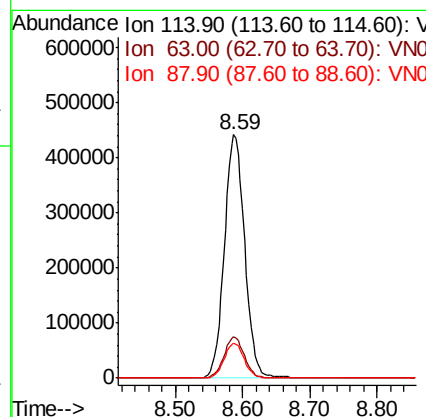
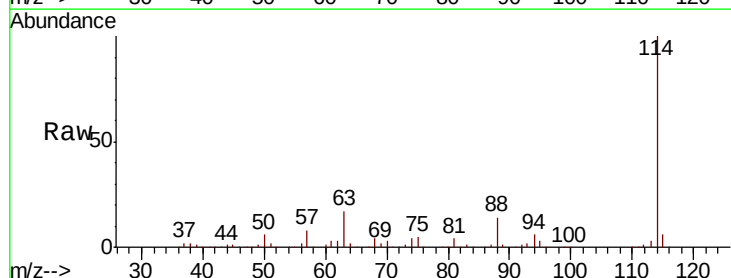
Manual Integrations
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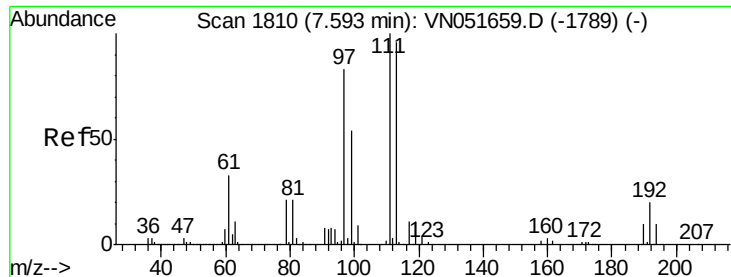
MMDadoda
 10/11/2018 5:51:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.2	0.0	36.2	
88	14.3	0.0	30.2	





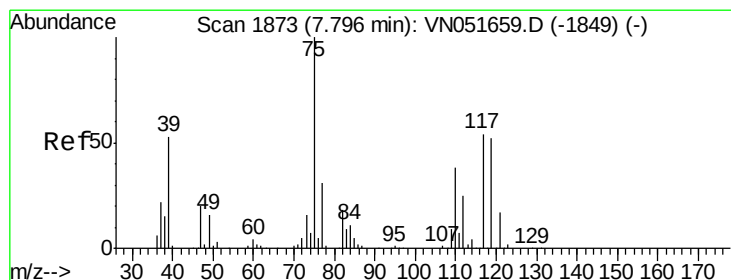
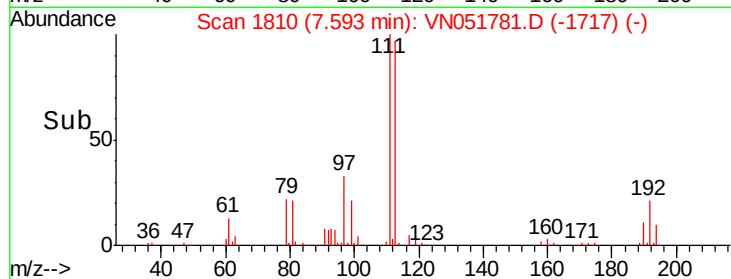
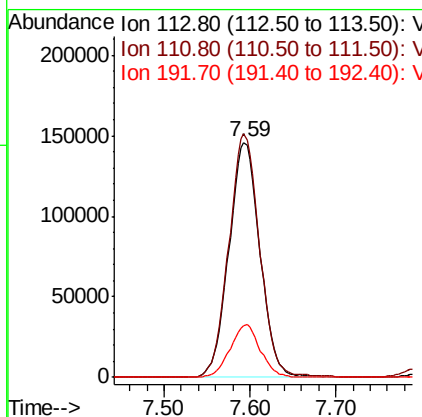
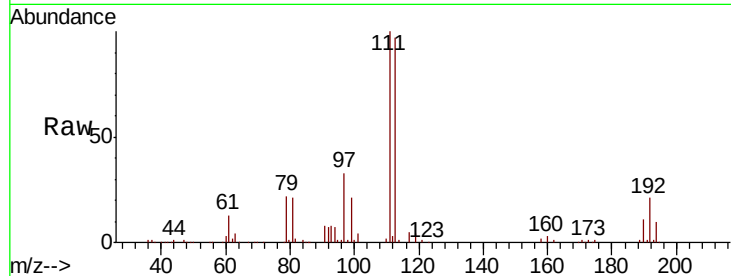
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	364915		
111	103.0	81.8	122.8	
192	21.9	16.5	24.7	

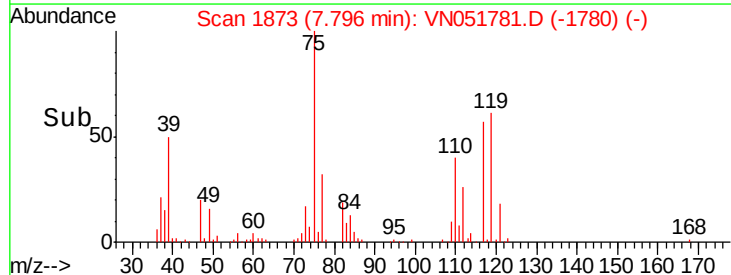
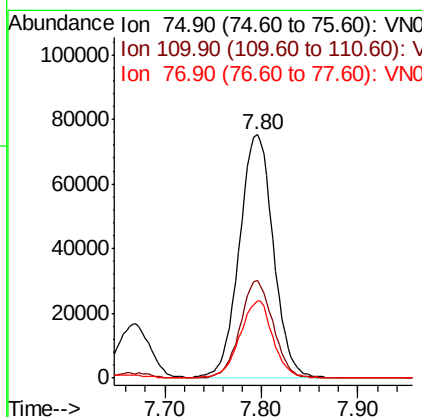
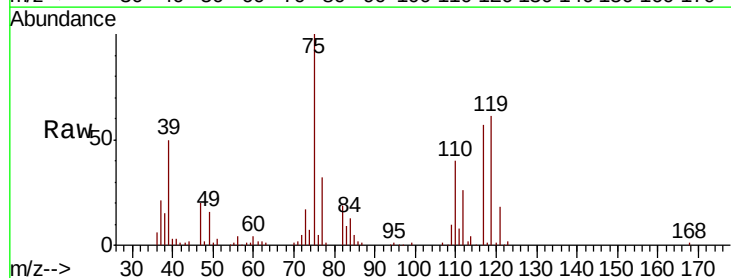
Manual Integrations
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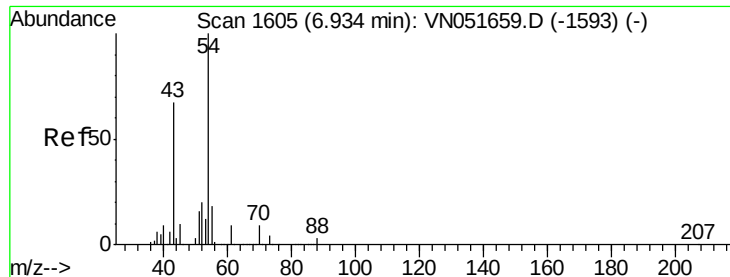
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.734 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183075		
110	38.9	19.3	57.8	
77	31.1	24.7	37.1	





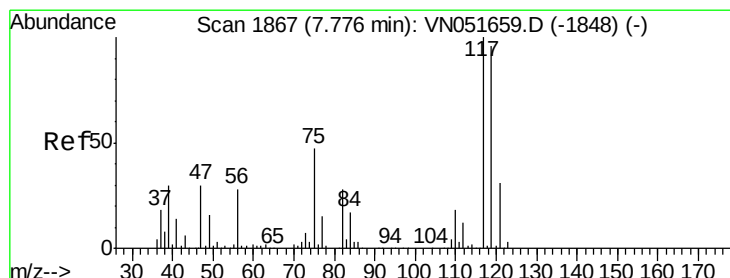
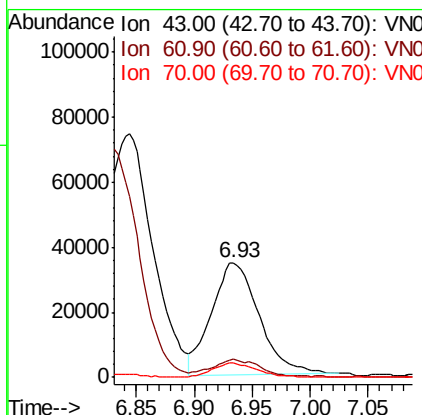
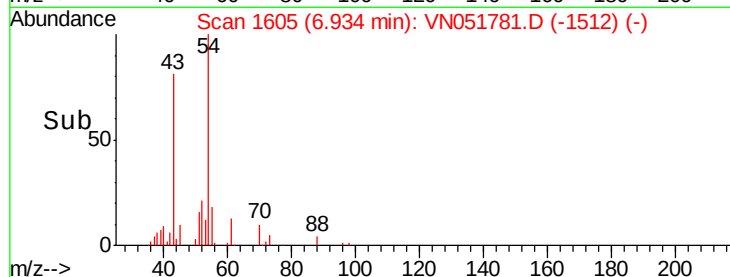
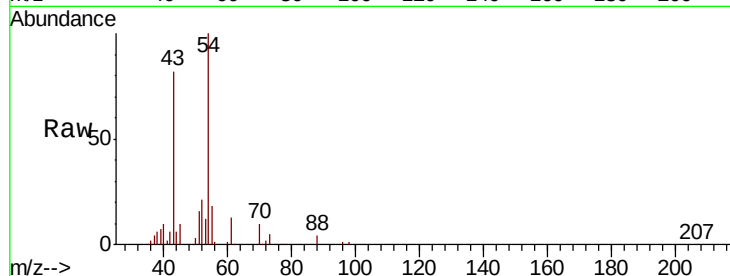
#37
Ethyl Acetate
Concen: 19.354 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleID :
VN1010WBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.1	11.8	17.6	
70	12.1	8.7	13.1	

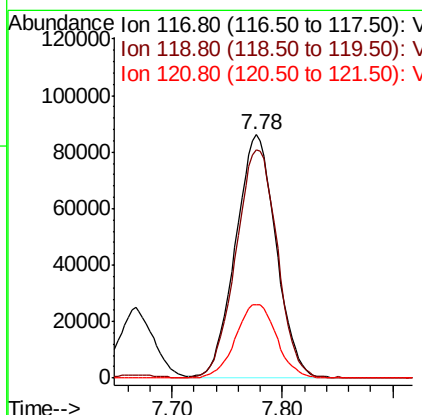
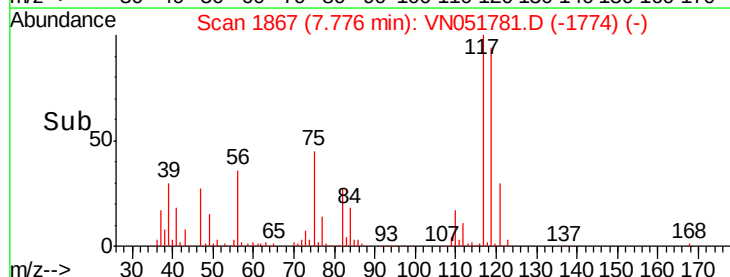
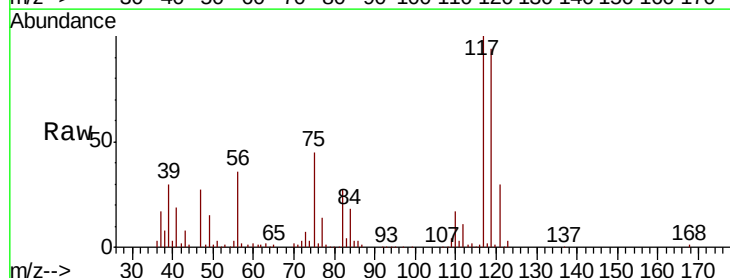
Manual Integrations
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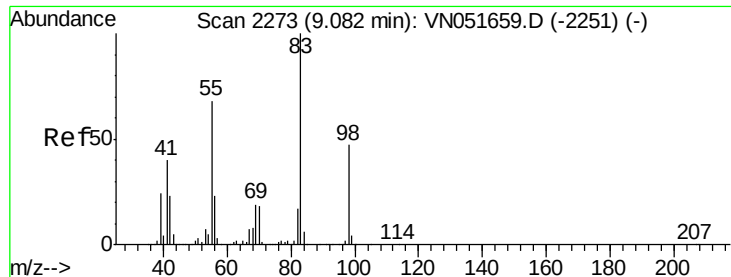
MMDadoda
10/11/2018 5:51:13 PM



#38
Carbon Tetrachloride
Concen: 18.582 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.6	77.0	115.6	
121	30.5	25.0	37.6	





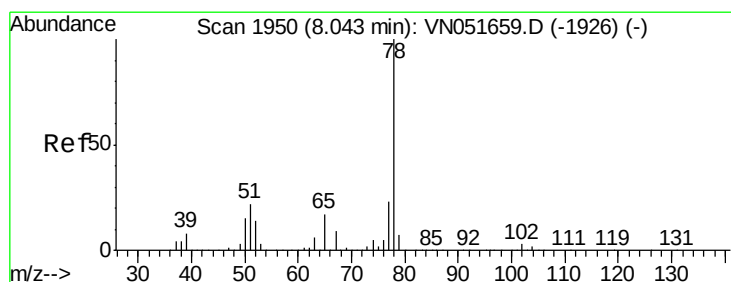
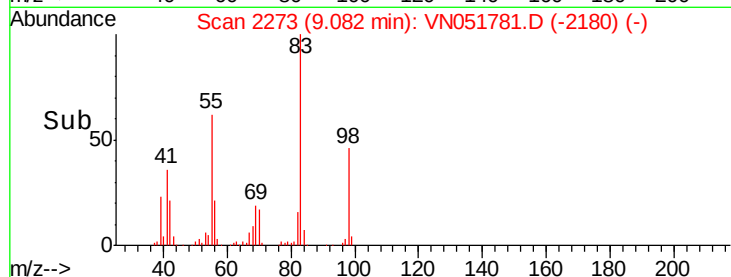
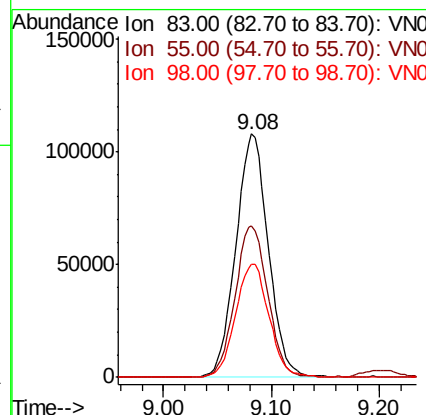
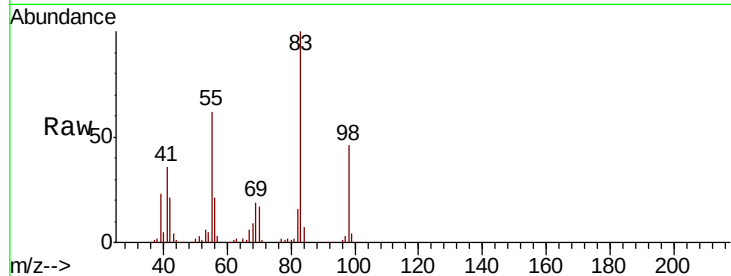
#39
Methylvlcyclohexane
Concen: 18.444 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	226254		
55	62.1		54.3	81.5
98	46.4		37.4	56.2

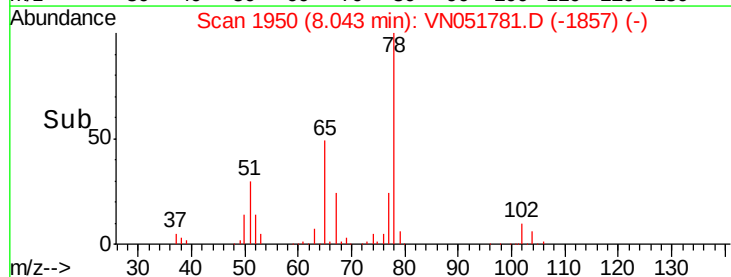
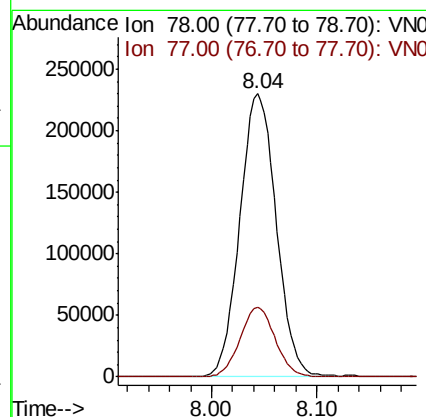
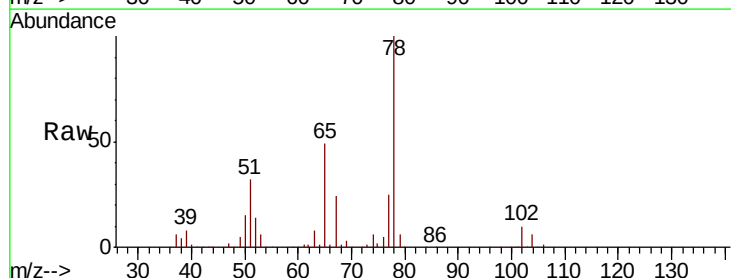
Manual Integrations
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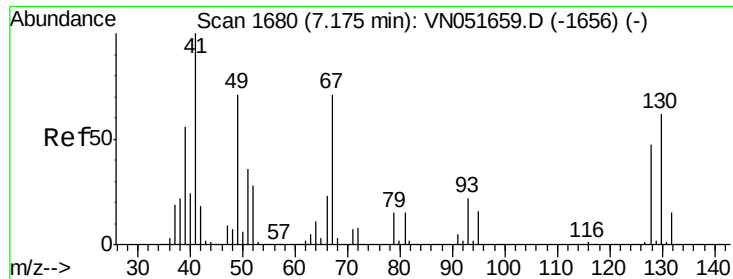
MMDadoda
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#40
Benzene
Concen: 19.030 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	551309		
77	24.6		18.5	27.7





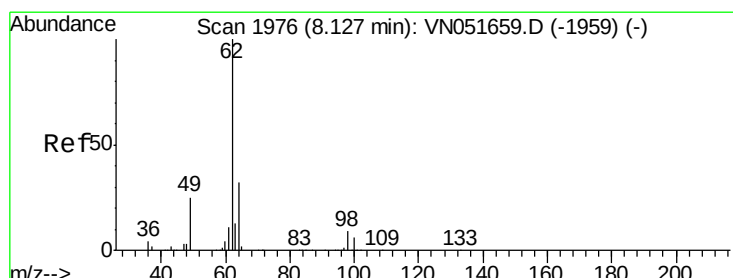
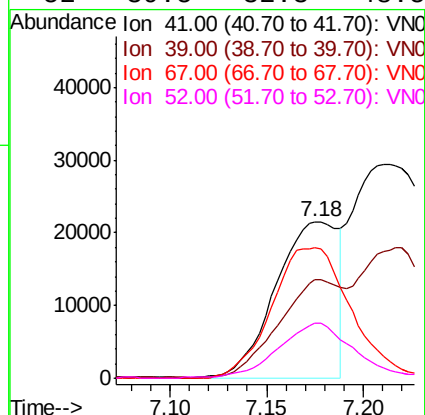
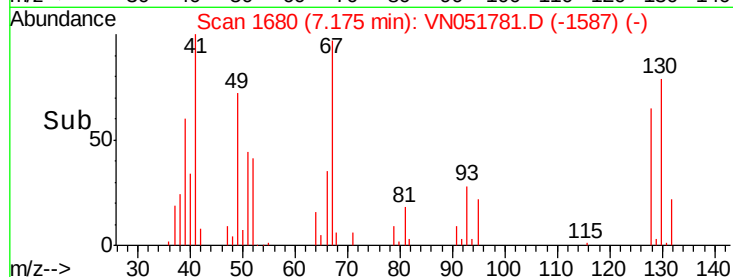
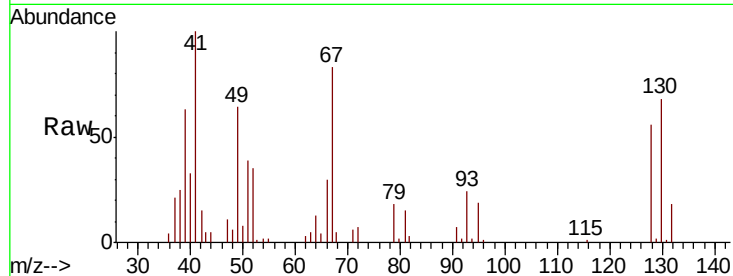
#41
Methacrylonitrile
Concen: 18.410 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion:	41	Resp:	48842
Ion	Ratio	Lower	Upper
41	100		
39	65.0	53.9	80.9
67	105.0	78.1	117.1
52	39.5	32.3	48.5

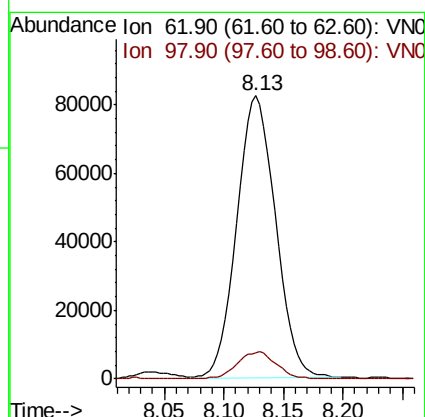
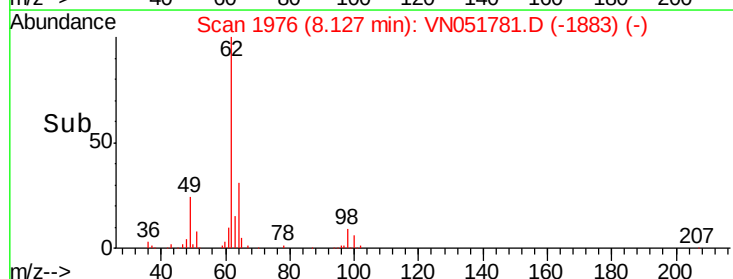
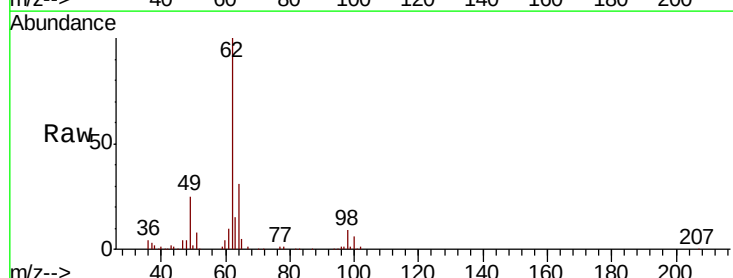
Manual Integrations
APPROVED

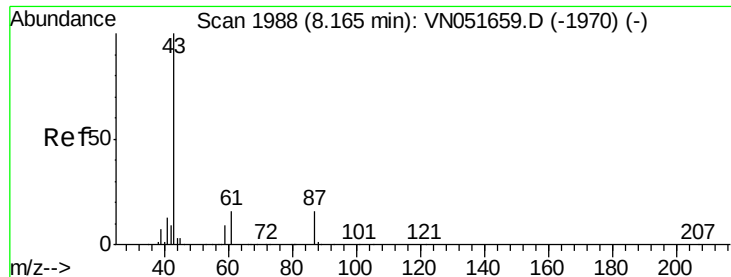
MMDadoda
10/11/2018 5:51:13 PM



#42
1,2-Dichloroethane
Concen: 19.127 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion:	62	Resp:	186740
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





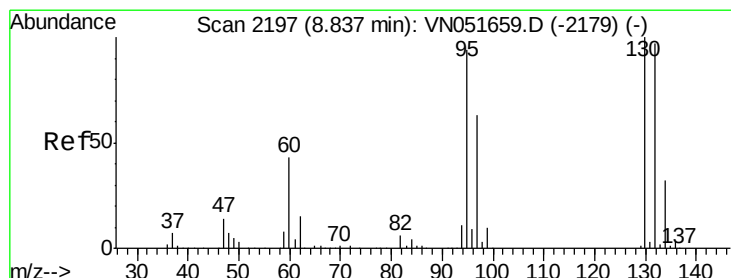
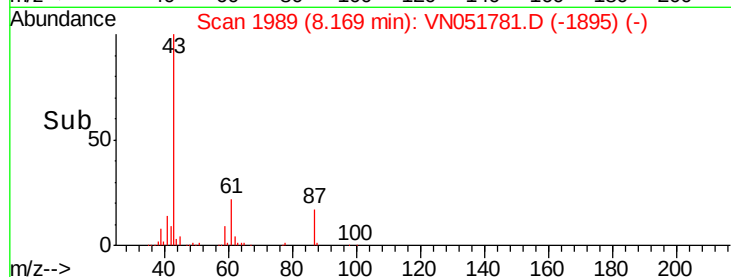
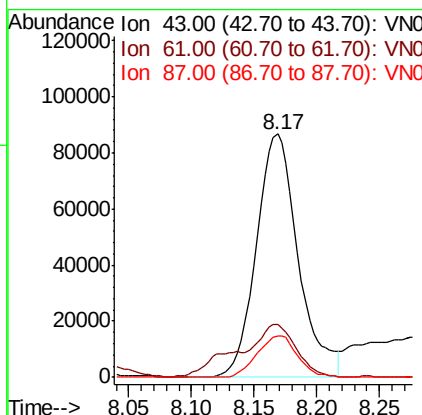
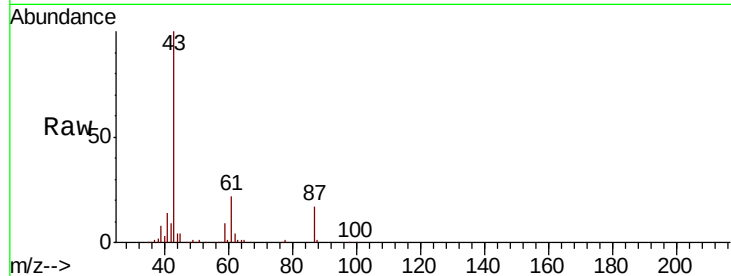
#43
Isopropyl Acetate
Concen: 18.893 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	15.8	23.6#
87	16.6	12.6	19.0

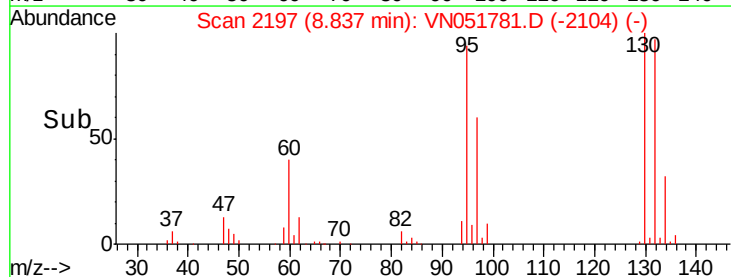
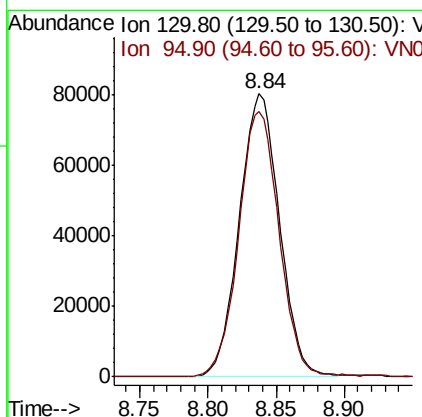
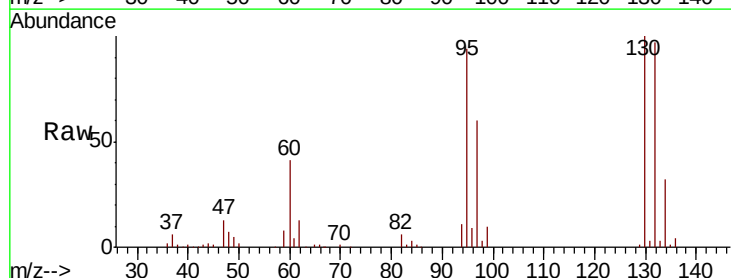
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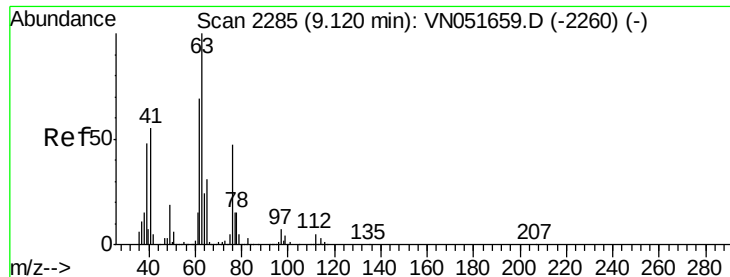
MMDadoda
10/11/2018 5:51:13 PM



#44
Trichloroethene
Concen: 19.977 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	188.0





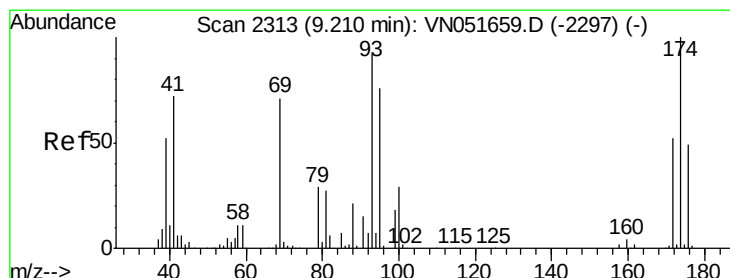
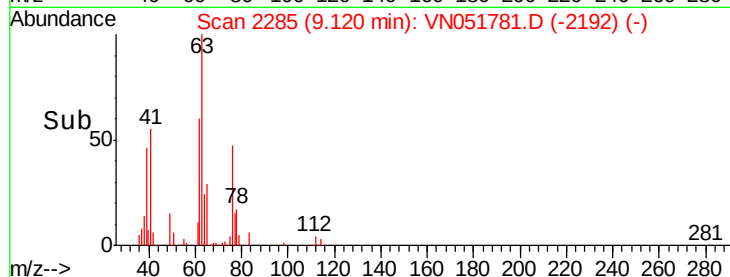
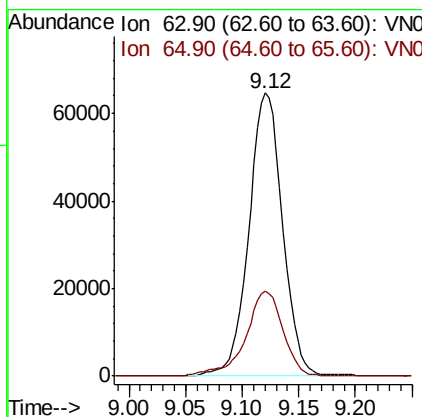
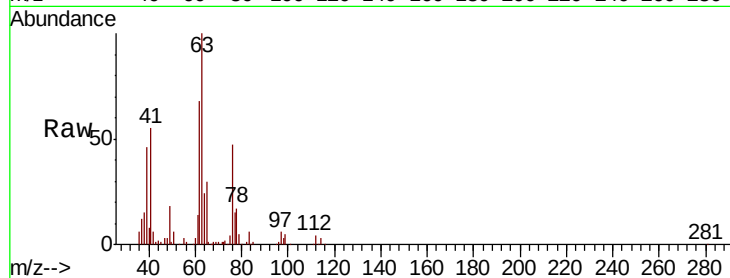
#45
 1,2-Dichloropropane
 Concen: 18.715 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.0	37.4

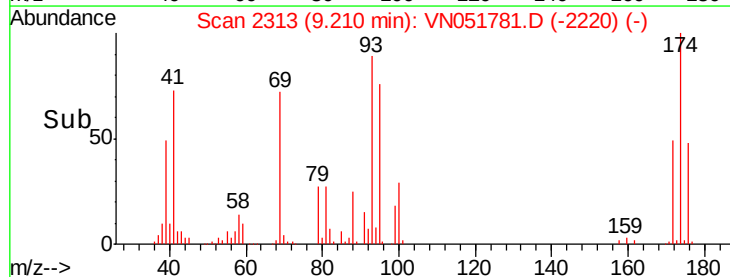
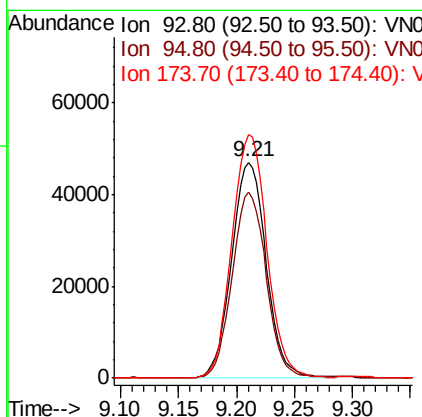
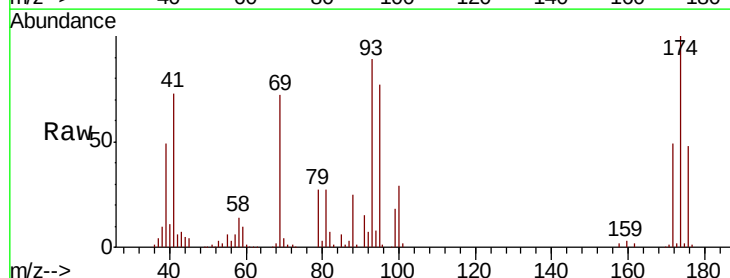
Manual Integrations
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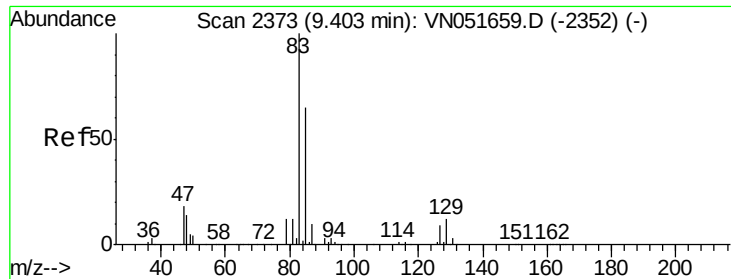
MMDadoda
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#46
 Dibromomethane
 Concen: 19.566 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.6	100.0
174	114.1	85.9	128.9





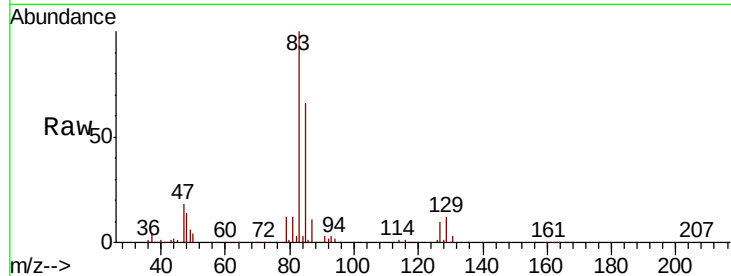
#47
Bromodichloromethane
Concen: 18.529 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

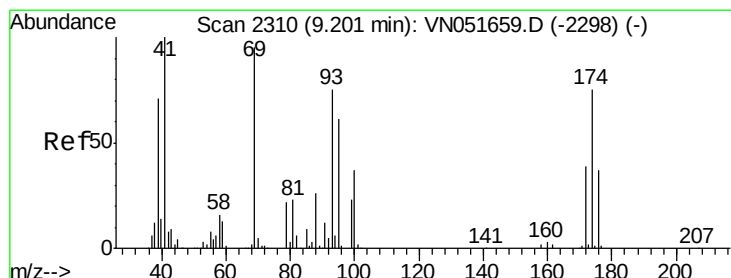
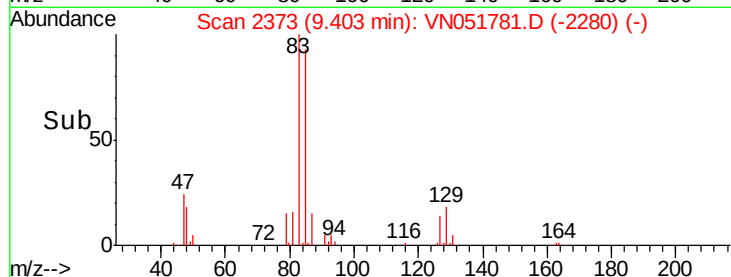
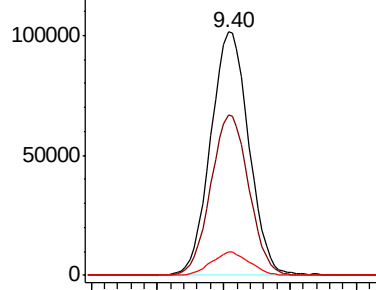
Tot Ion	Ratio	Resp	Lower	Upper
83	100	203075		
85	65.8		51.6	77.4
127	9.6		7.3	10.9

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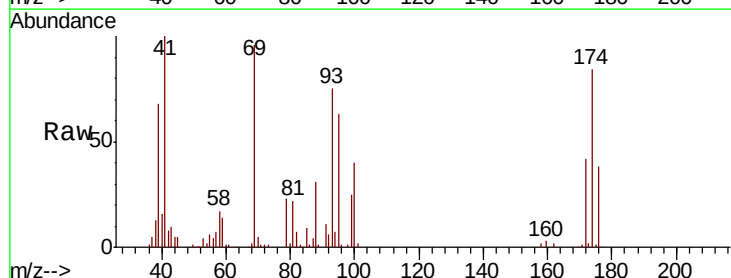


Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-2352) (-)

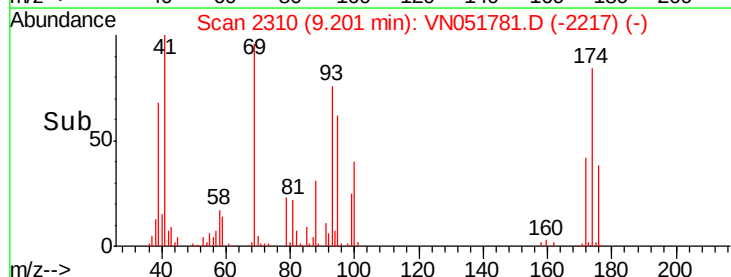
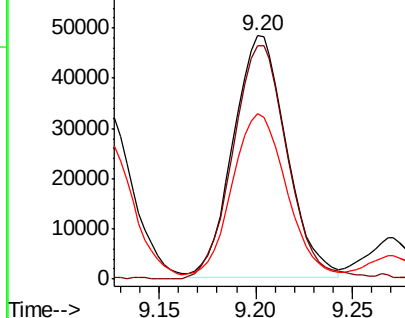


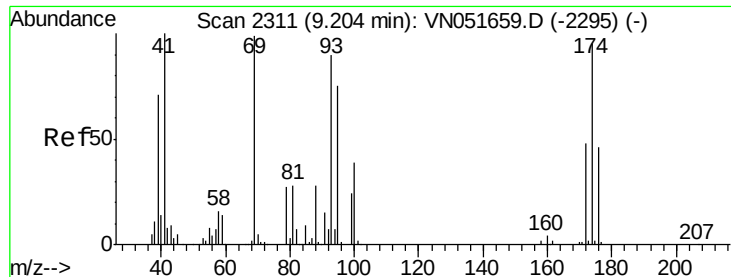
#48
Methyl methacrylate
Concen: 19.081 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92650		
69	98.8		78.6	118.0
39	69.7		59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VN051659.D (-2298) (-)





#49

1,4-Dioxane

Concen: 422.268 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

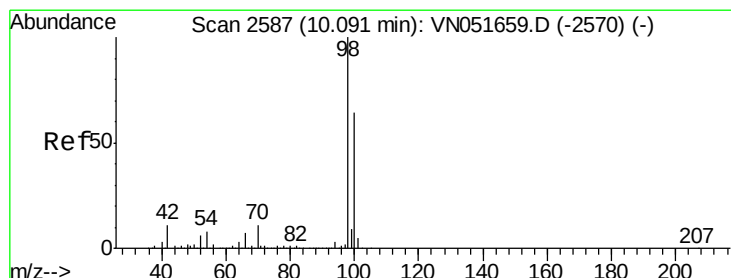
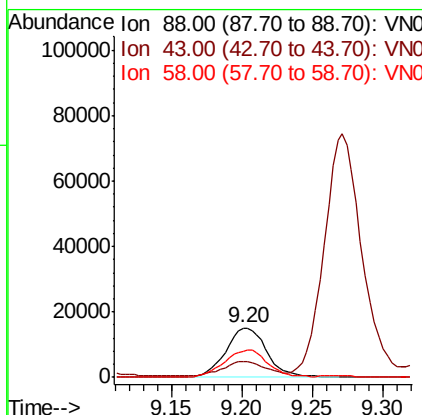
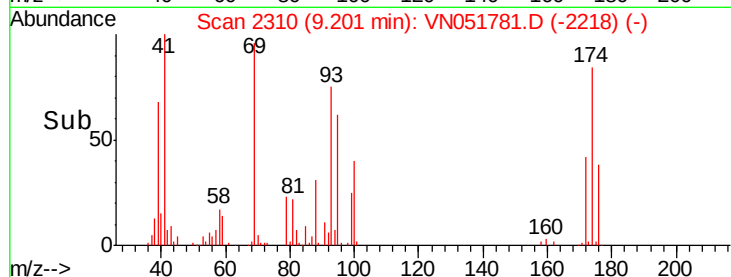
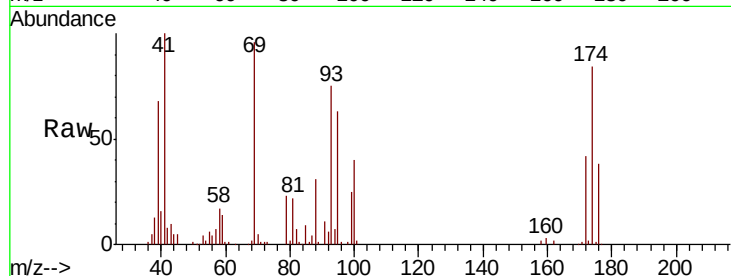
ClientSampleId :

VN1010WBS01

Tot Ion:	88	Resp:	30745
Ion	Ratio	Lower	Upper
88	100		
43	28.0	24.5	36.7
58	58.6	47.6	71.4

Manual Integrations
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#50

Toluene-d8

Concen: 422.268 ug/l

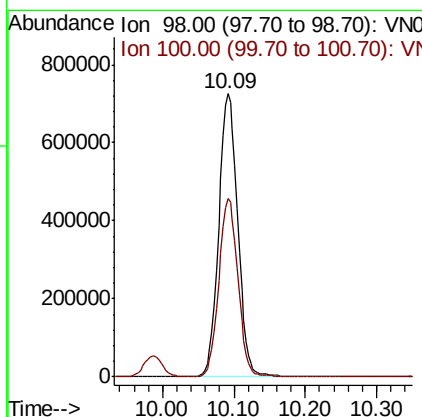
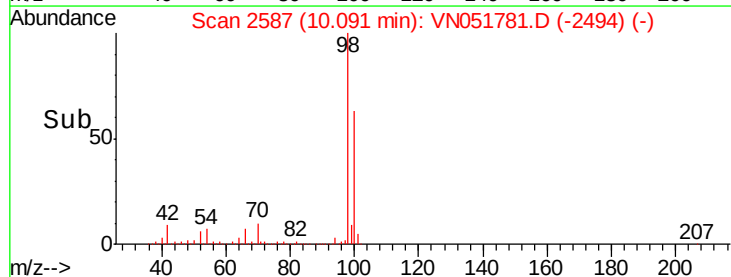
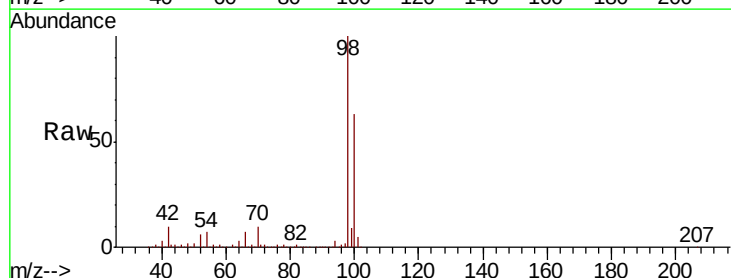
RT: 10.09 min Scan# 2587

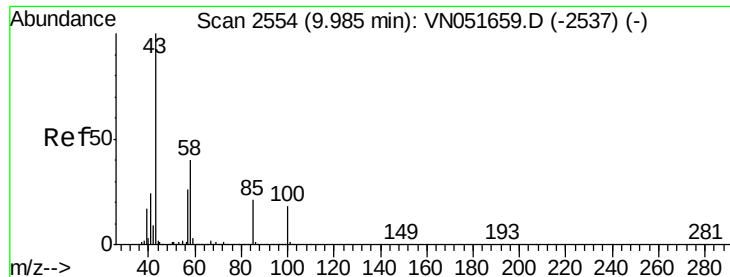
Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion:	98	Resp:	1339150
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3





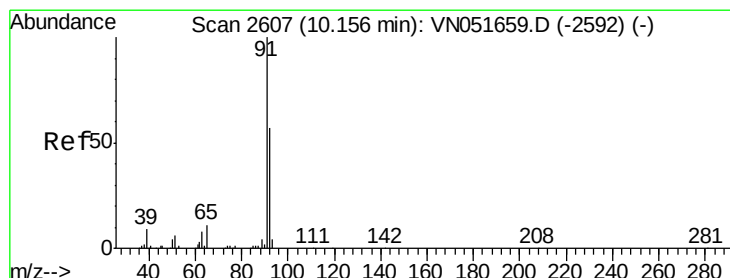
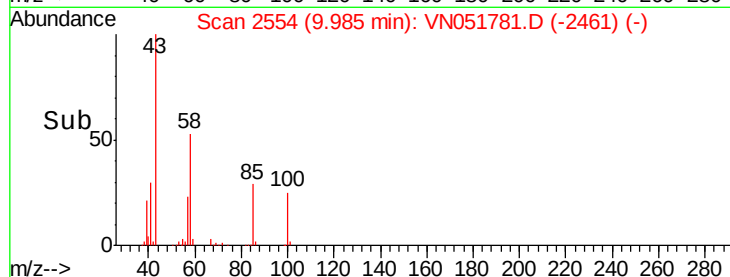
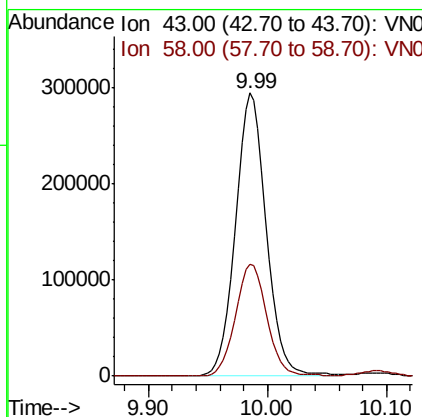
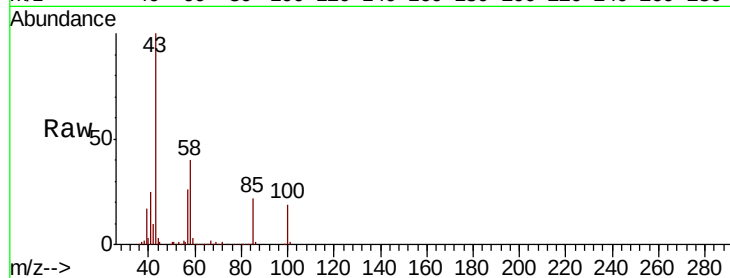
#51
4-Methyl-2-Pentanone
Concen: 97.164 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.2	48.2

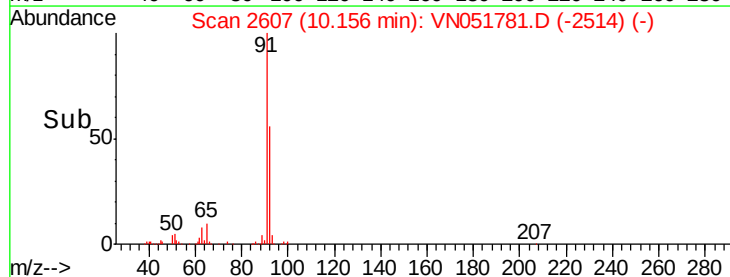
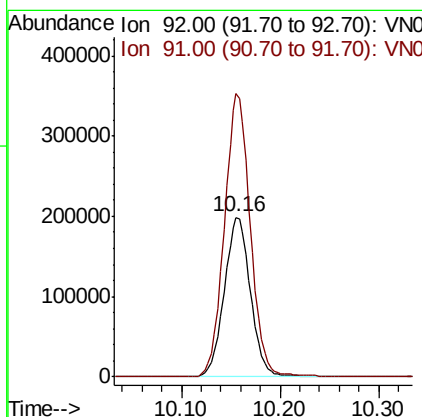
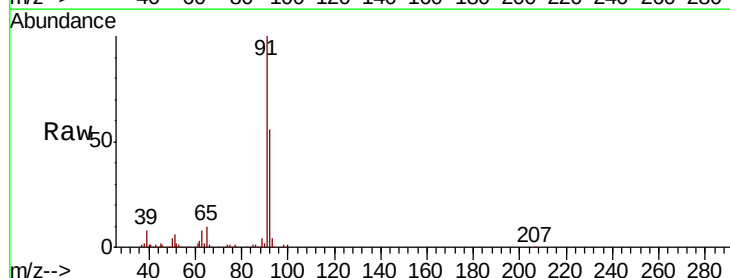
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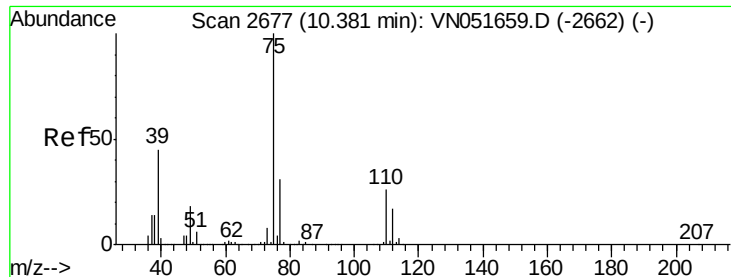
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#52
Toluene
Concen: 19.165 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	140.3	210.5





#53

t-1,3-Dichloropropene

Concen: 17.338 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 75 Resp: 196076

Ion Ratio Lower Upper

75 100

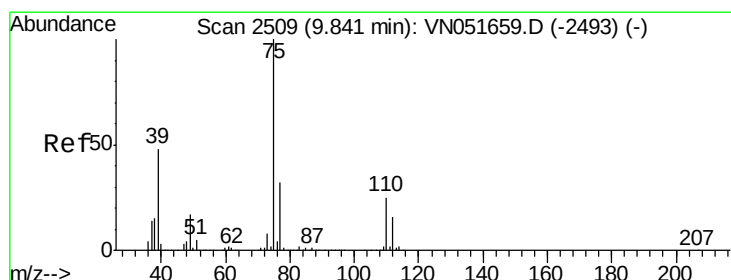
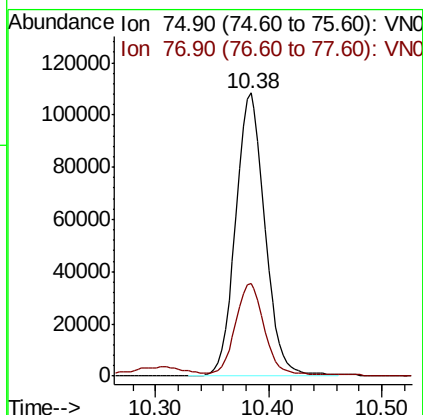
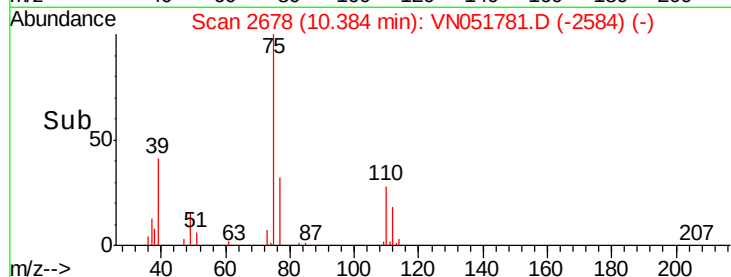
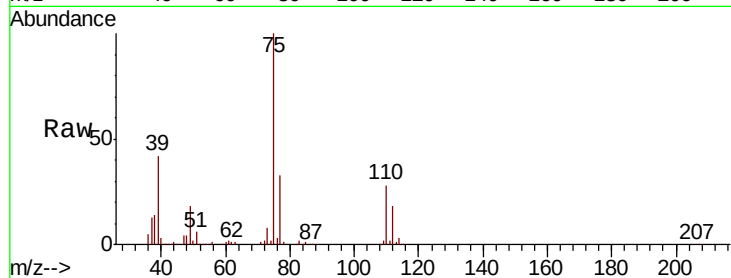
77 32.2 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.618 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

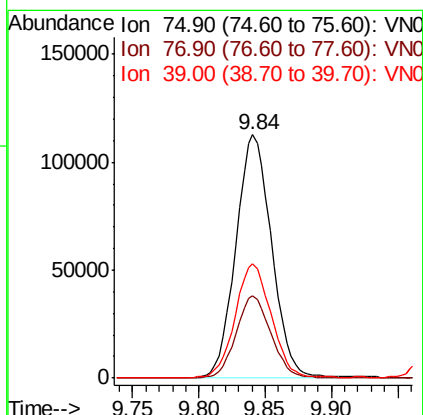
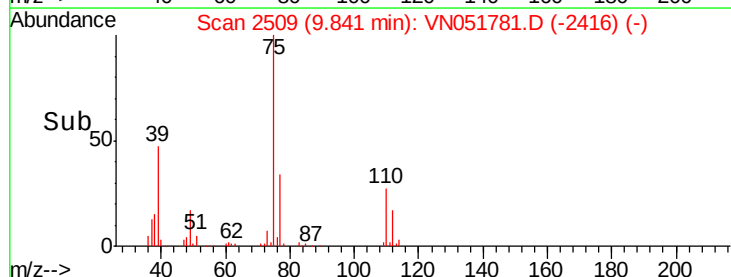
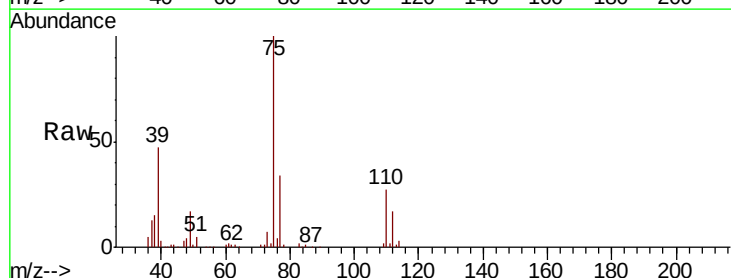
Tgt Ion: 75 Resp: 211574

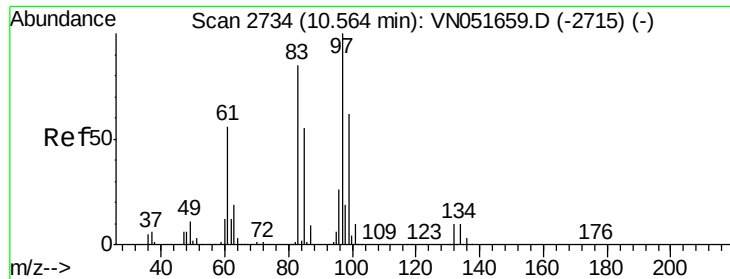
Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5

39 46.7 38.1 57.1





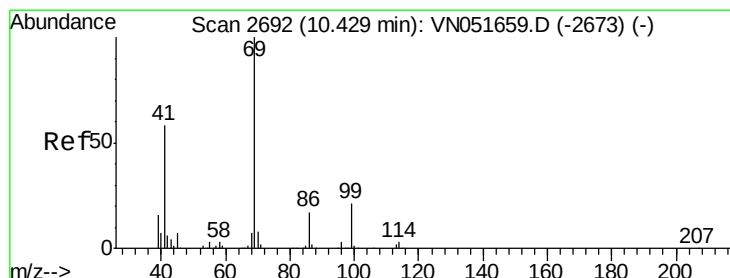
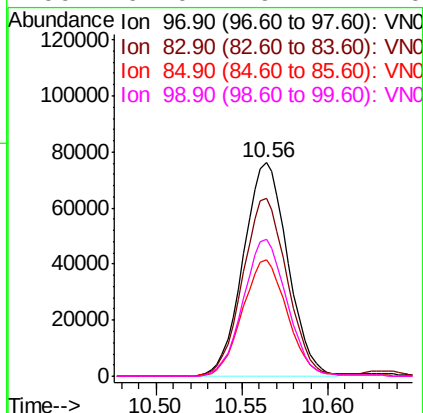
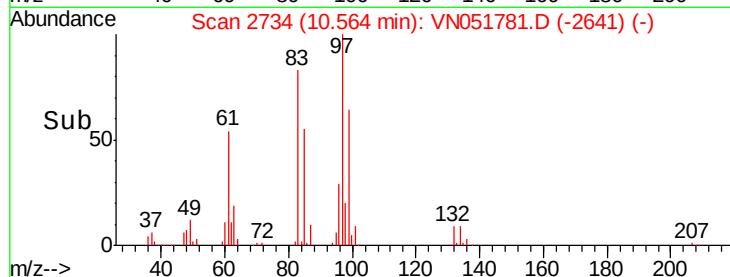
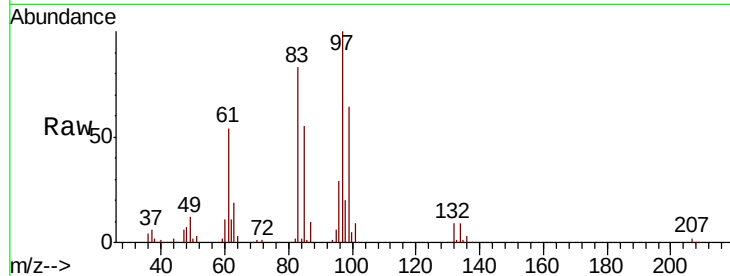
#55
 1,1,2-Trichloroethane
 Concen: 19.918 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Tot Ion:	97	Resp:	136717
Ion	Ratio	Lower	Upper
97	100		
83	83.3	68.1	102.1
85	54.6	43.6	65.4
99	64.0	49.4	74.0

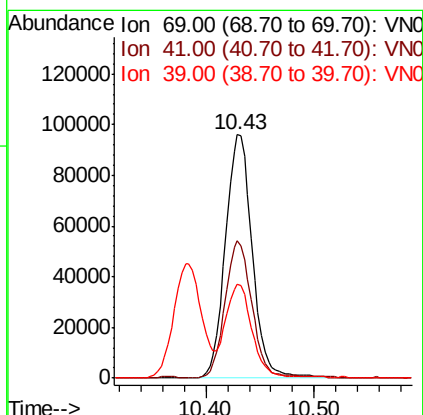
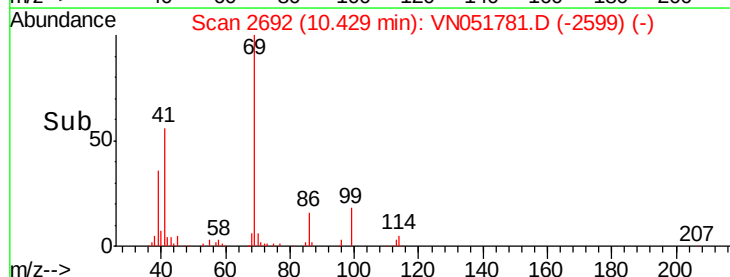
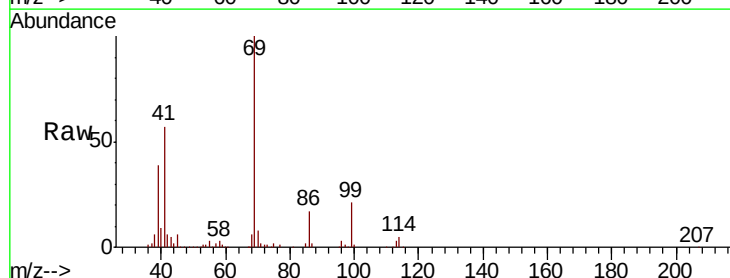
Manual Integrations
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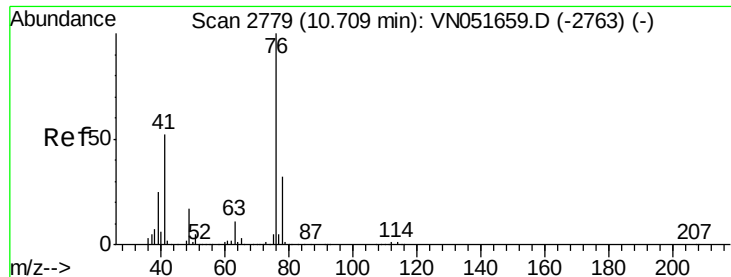
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#56
 Ethyl methacrylate
 Concen: 19.235 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion:	69	Resp:	166965
Ion	Ratio	Lower	Upper
69	100		
41	55.5	46.4	69.6
39	38.4	32.4	48.6





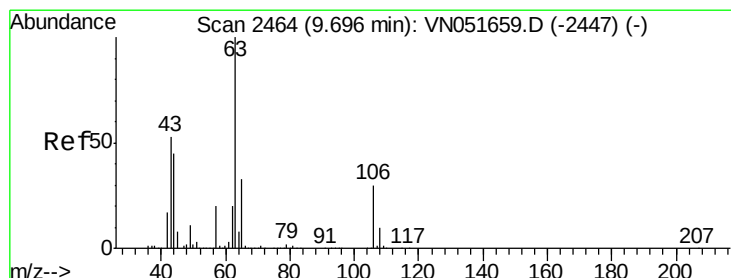
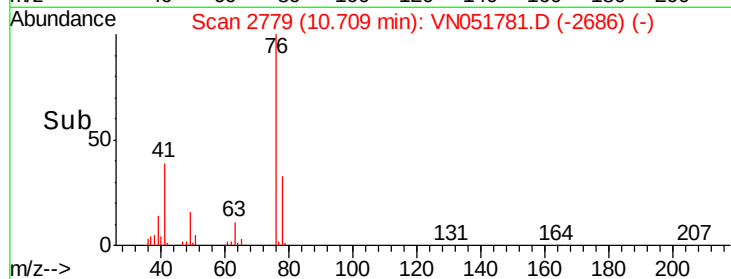
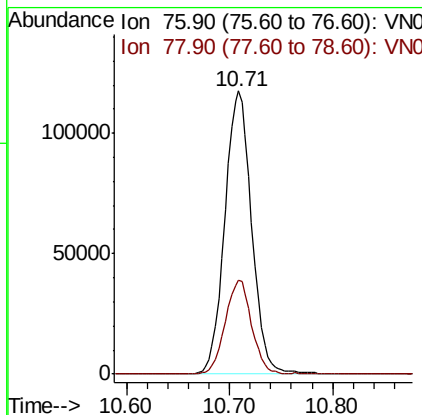
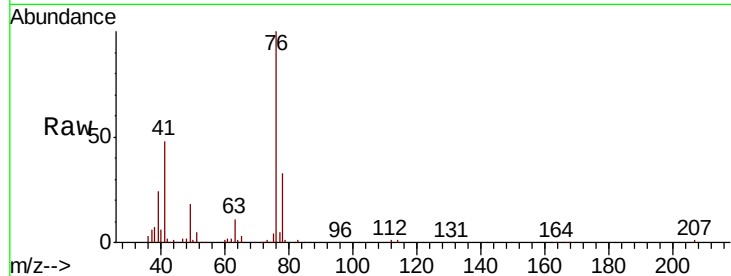
#57
 1,3-Dichloropropane
 Concen: 19.589 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

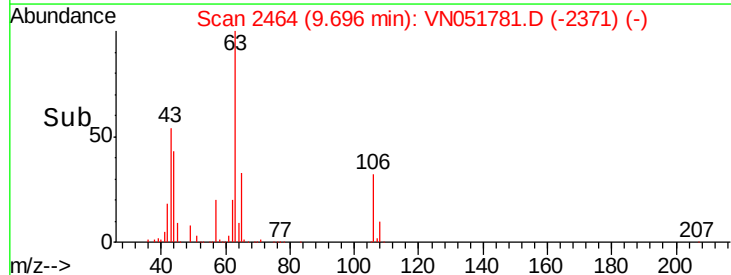
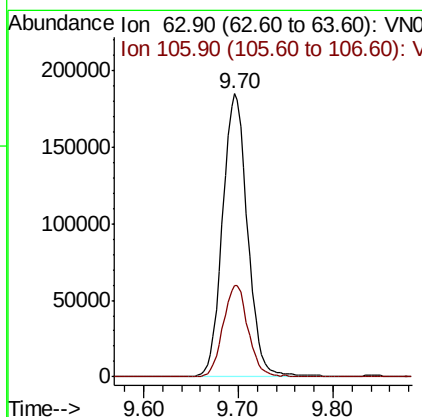
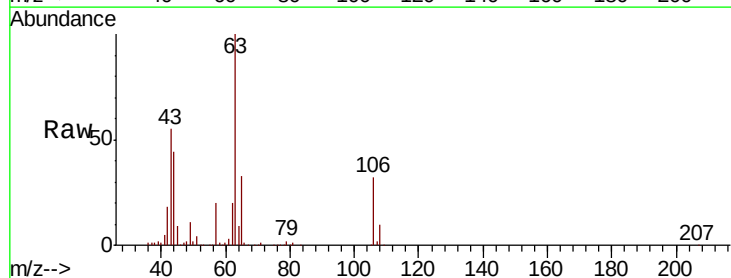
Manual Integrations
 APPROVED

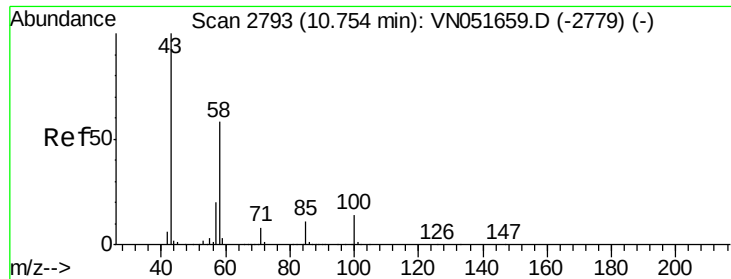
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.589 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.3	24.3	36.5





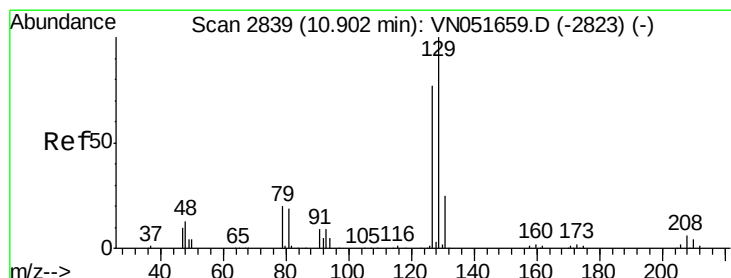
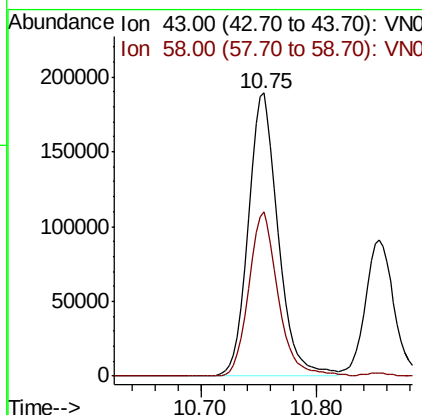
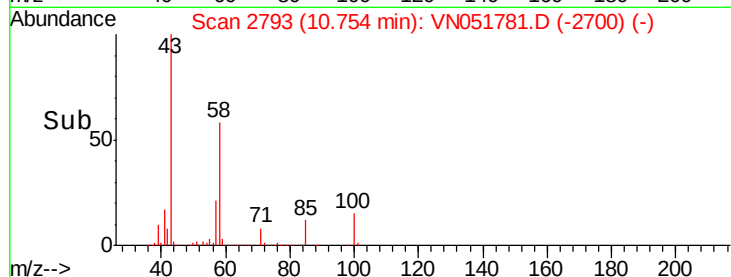
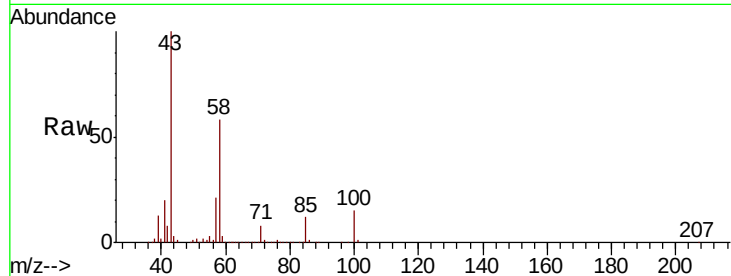
#59
2-Hexanone
Concen: 92.530 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion: 43 Resp: 338373
Ion Ratio Lower Upper
43 100
58 57.4 28.8 86.4

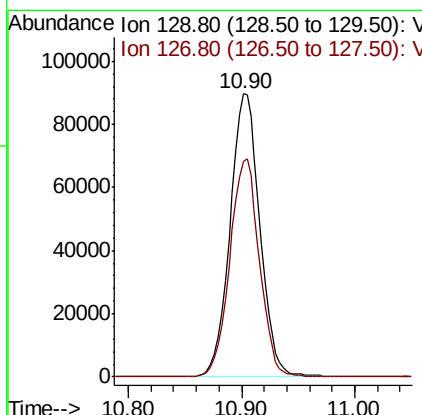
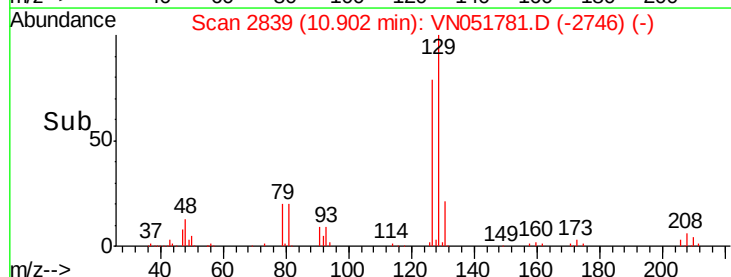
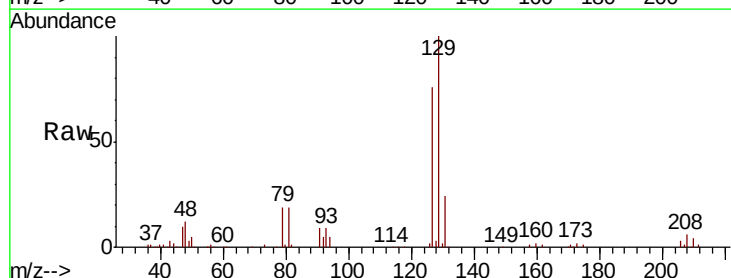
Manual Integrations
APPROVED

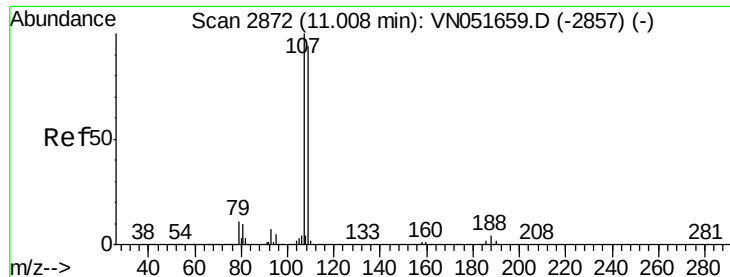
MMDadoda
10/11/2018 5:51:13 PM



#60
Dibromochloromethane
Concen: 18.262 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion: 129 Resp: 164036
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.591 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 107 Resp: 142156

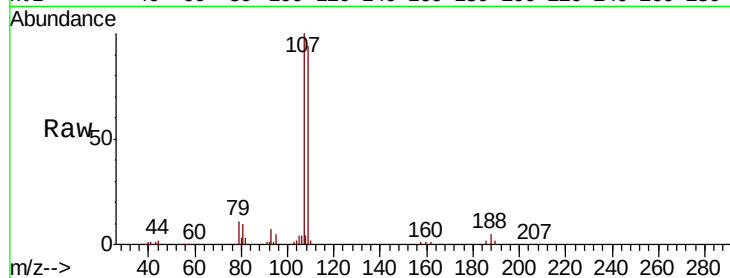
Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.0

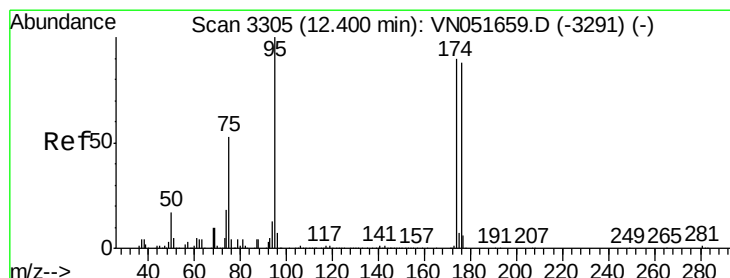
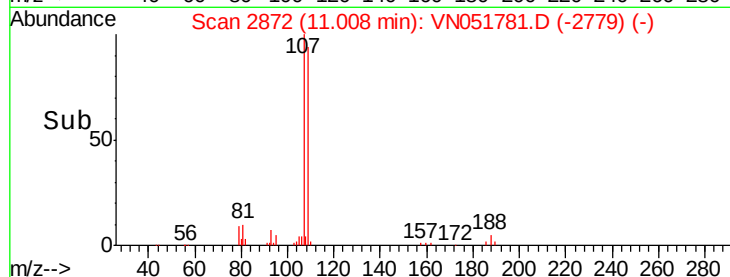
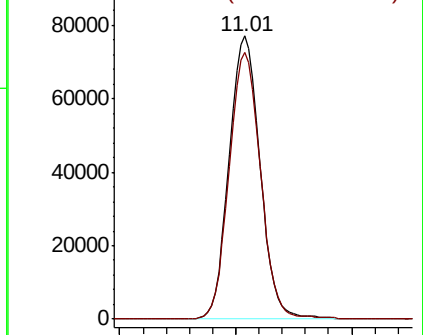
Manual Integrations
APPROVED

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



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.591 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

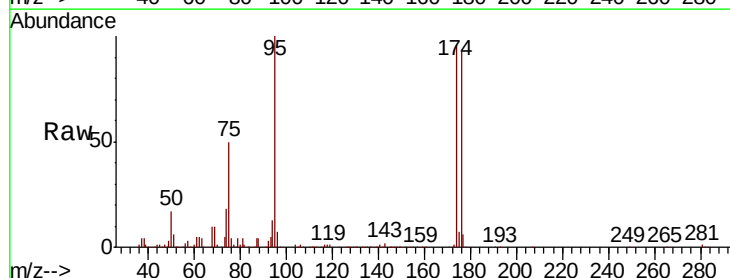
Tgt Ion: 95 Resp: 438777

Ion Ratio Lower Upper

95 100

174 95.1 0.0 182.8

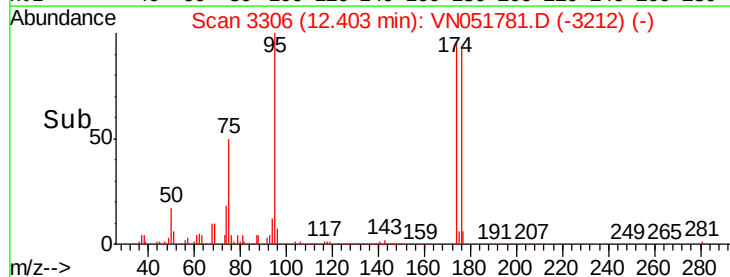
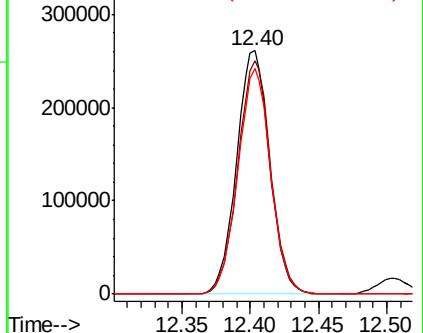
176 91.5 0.0 176.4

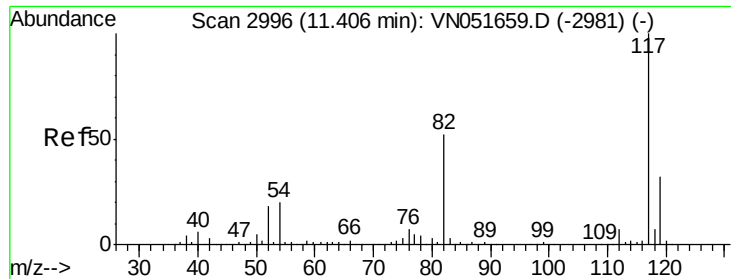


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





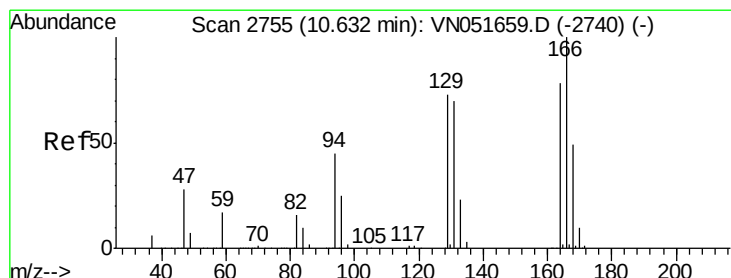
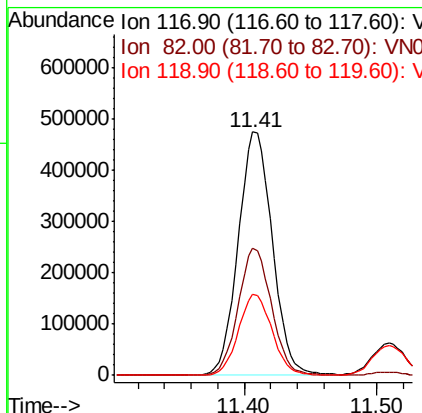
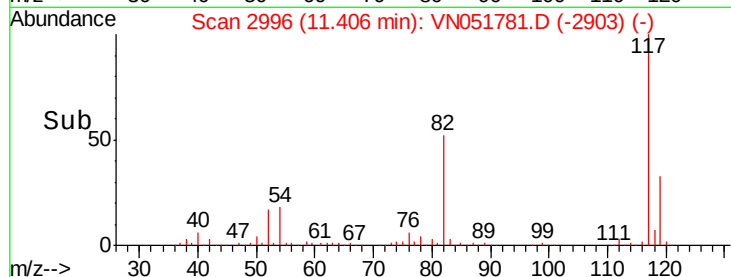
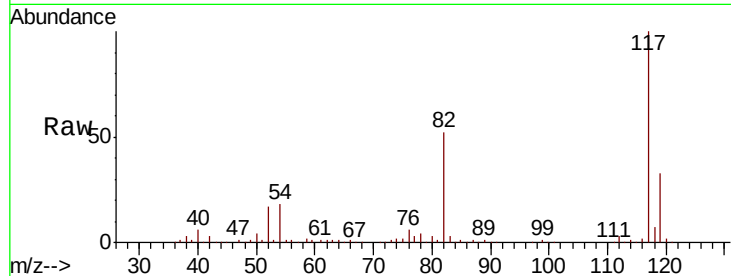
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.3	61.9
119	33.2	25.9	38.9

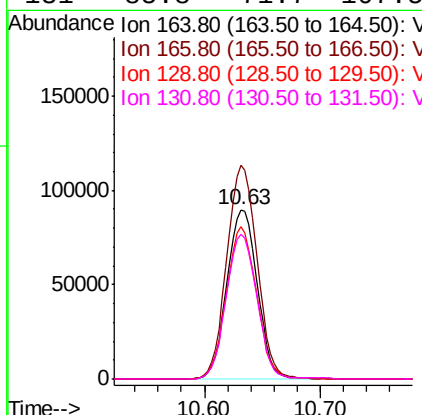
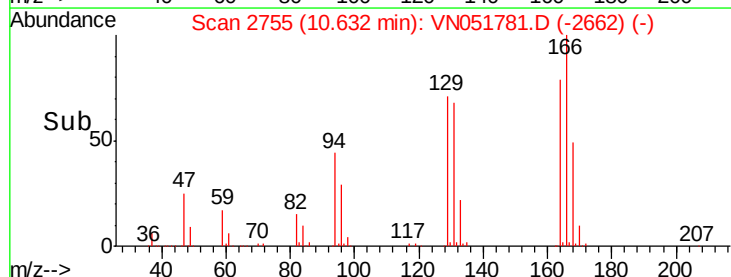
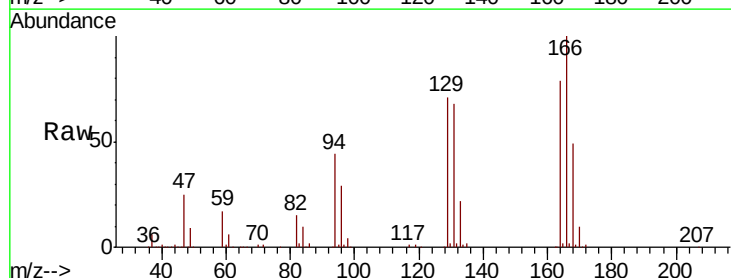
Manual Integrations
APPROVED

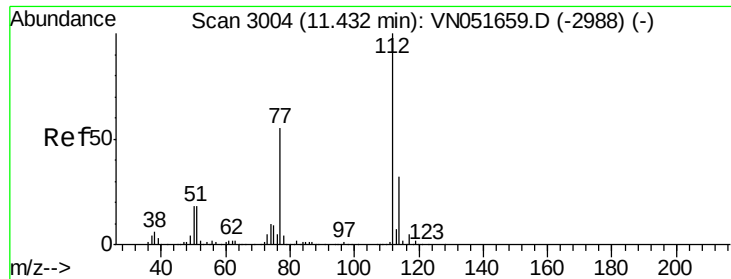
MMDadoda
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#64
Tetrachloroethene
Concen: 21.693 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.0	154.6
129	89.8	75.2	112.8
131	85.8	71.7	107.5





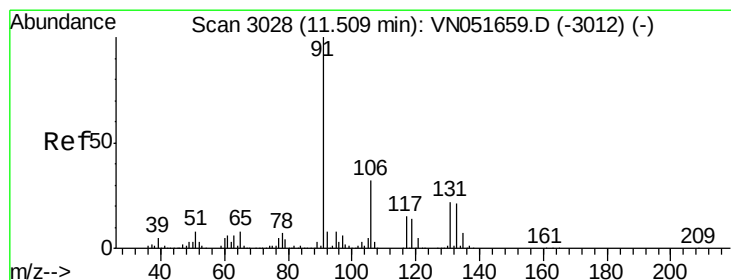
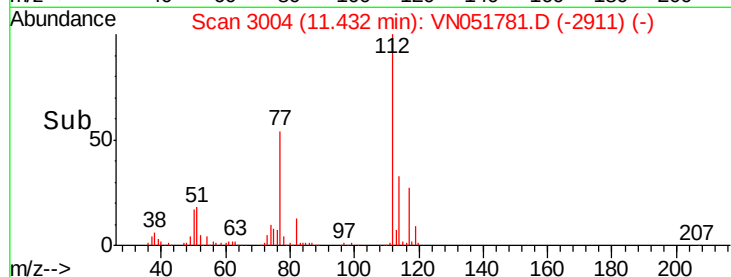
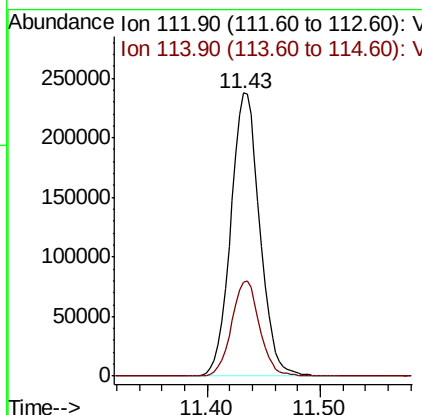
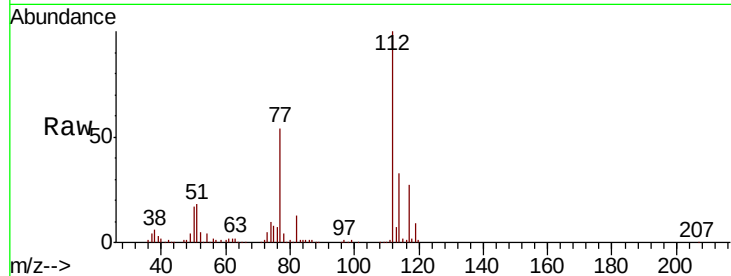
#65
Chlorobenzene
Concen: 20.086 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.9	38.9

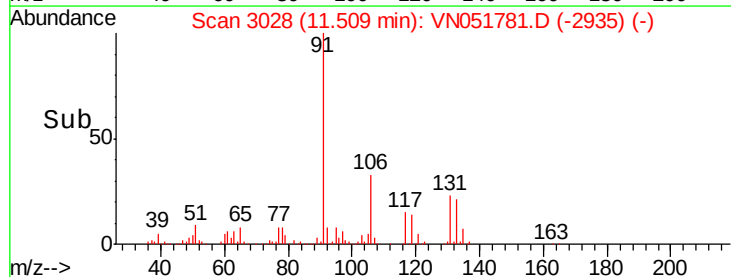
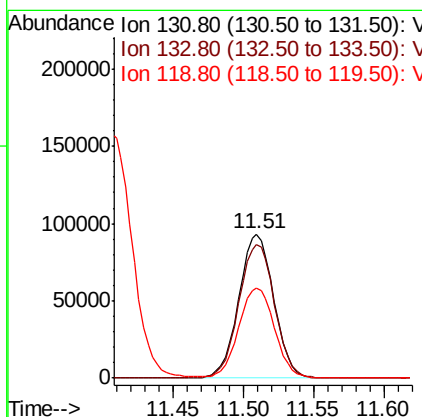
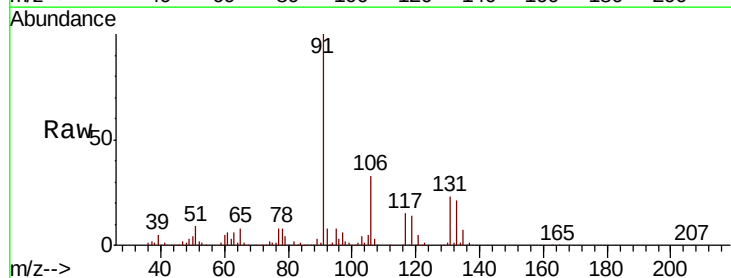
Manual Integrations
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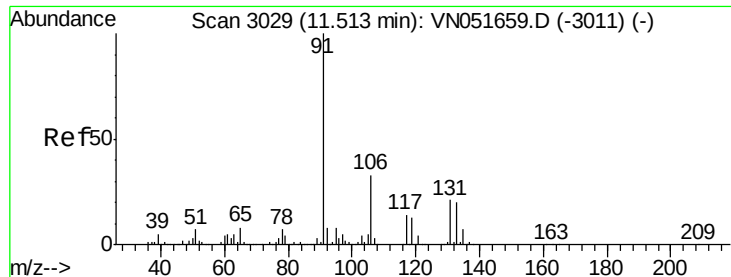
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.234 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.6	142.8
119	64.2	32.0	96.0





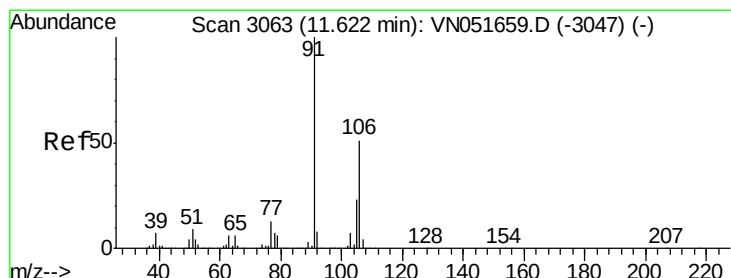
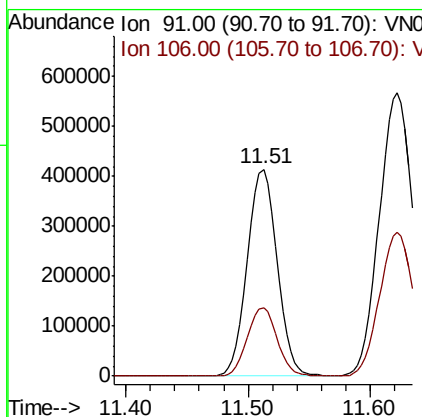
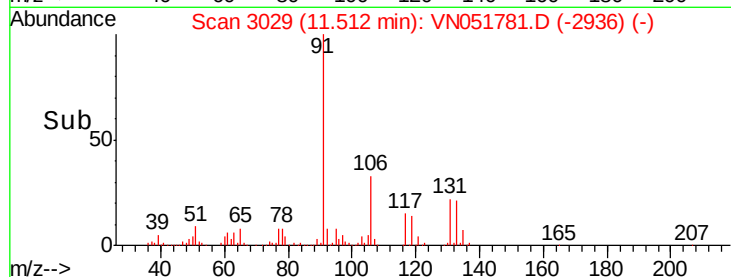
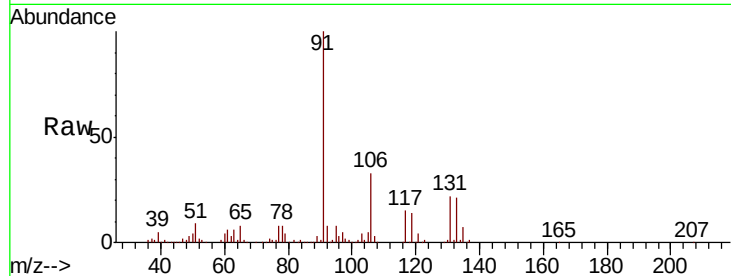
#67
Ethyl Benzene
Concen: 19.211 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion: 91 Resp: 698595
Ion Ratio Lower Upper
91 100
106 33.2 26.0 39.0

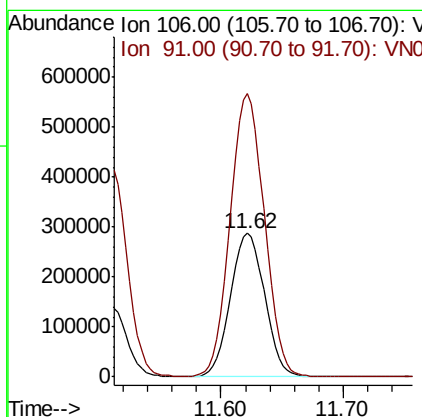
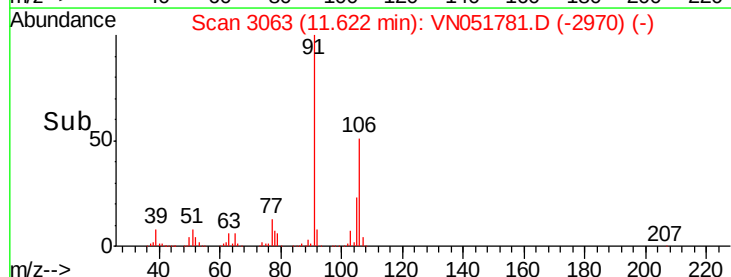
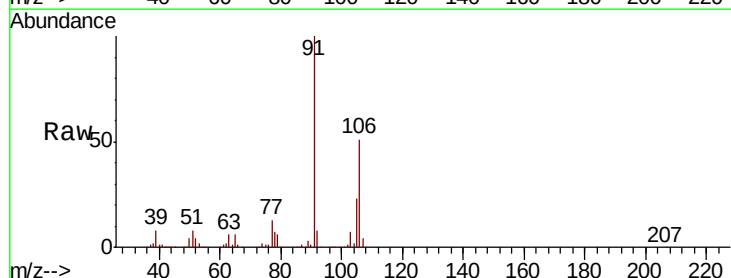
Manual Integrations
APPROVED

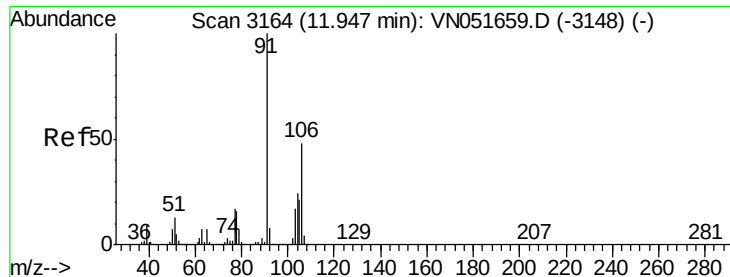
MMDadoda
10/11/2018 5:51:13 PM



#68
m/p-Xylenes
Concen: 38.454 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion: 106 Resp: 559511
Ion Ratio Lower Upper
106 100
91 197.6 158.4 237.6





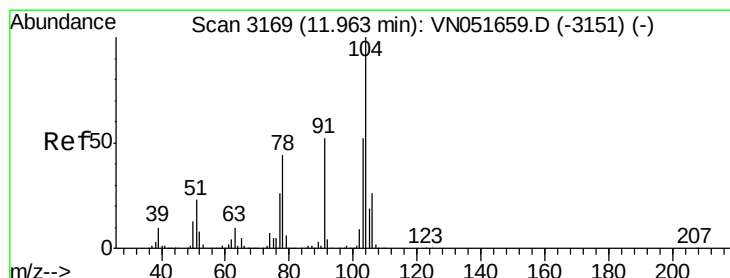
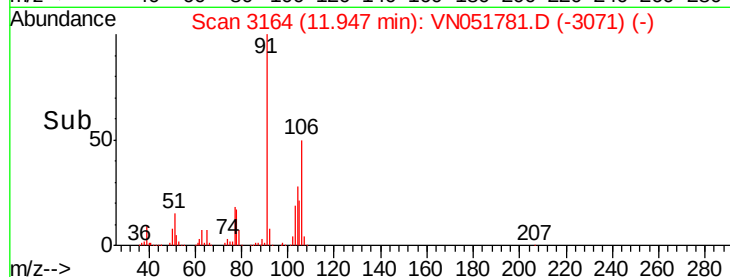
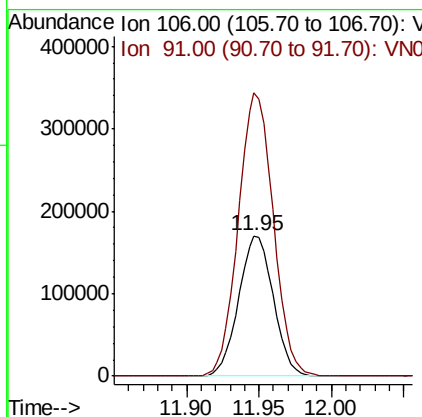
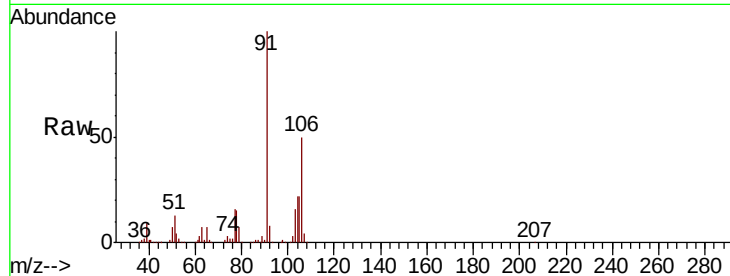
#69
o-Xylene
Concen: 19.819 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.8	104.4	313.2

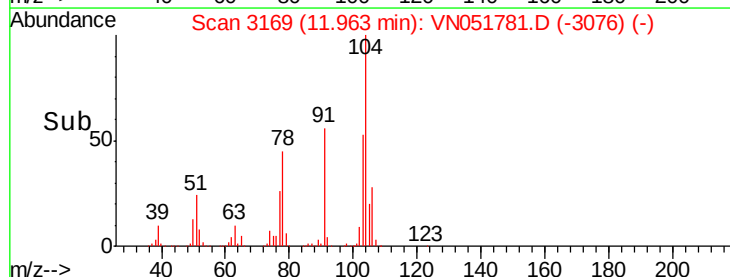
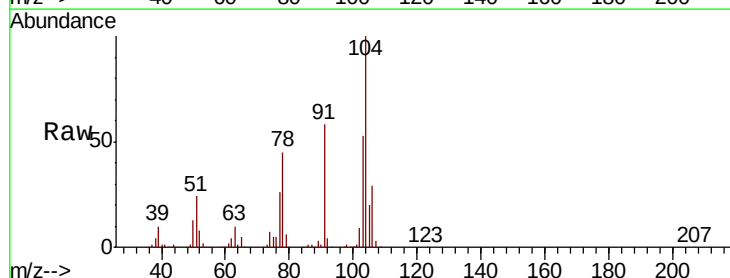
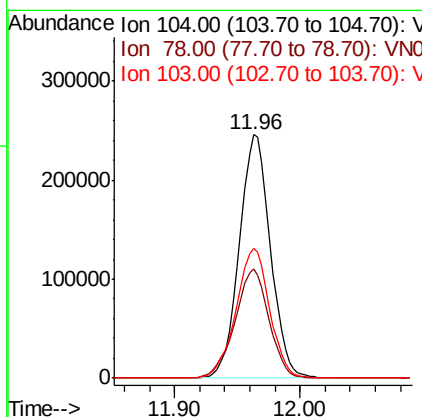
Manual Integrations
APPROVED

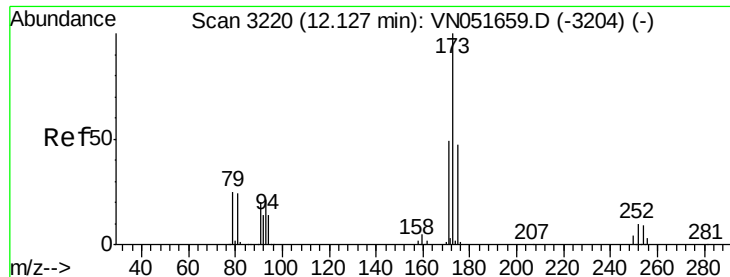
MMDadoda
10/11/2018 5:51:13 PM



#70
Styrene
Concen: 18.660 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.3	58.9
103	57.5	45.0	67.6





#71

Bromoform

Concen: 17.120 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

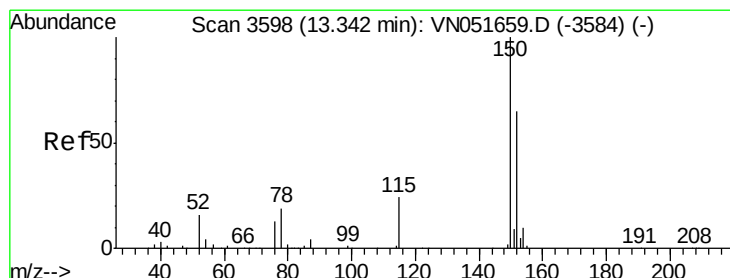
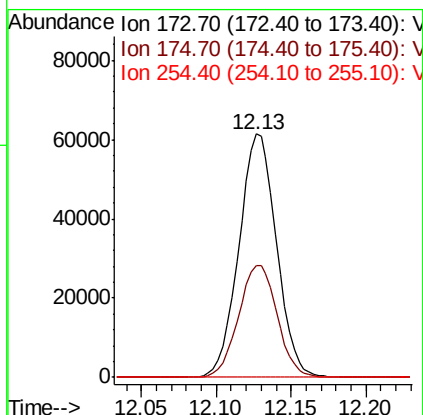
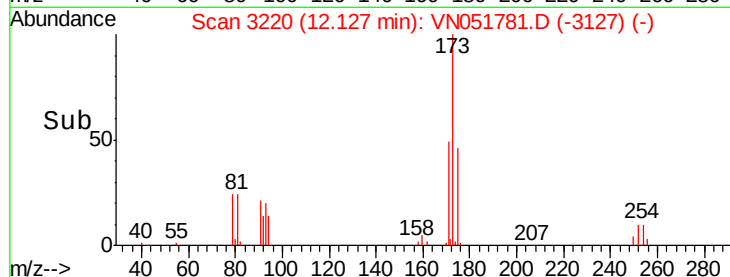
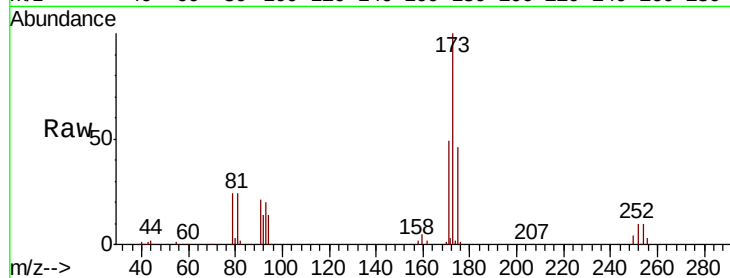
ClientSampleId :

VN1010WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

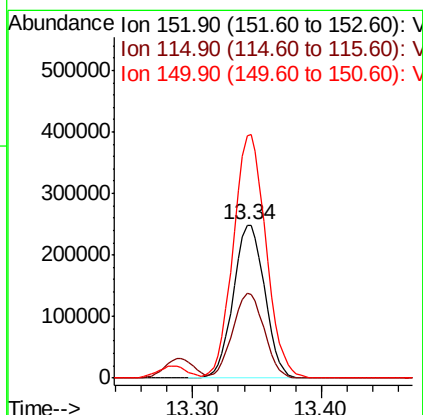
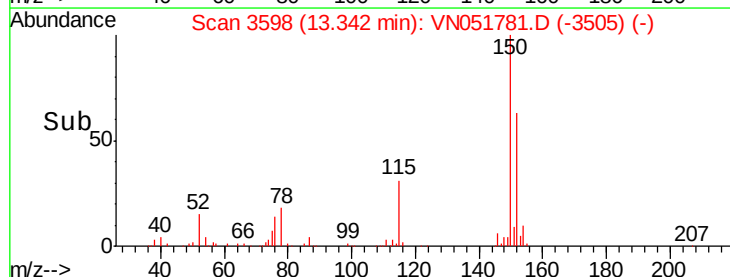
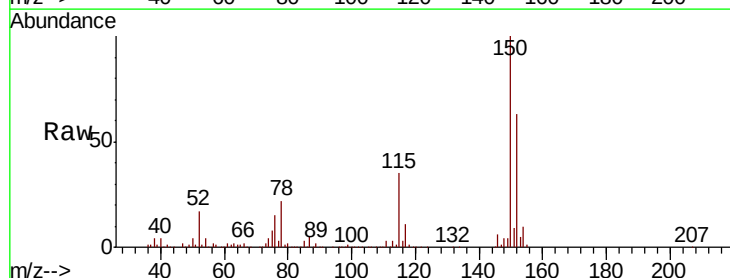
RT: 13.34 min Scan# 3598

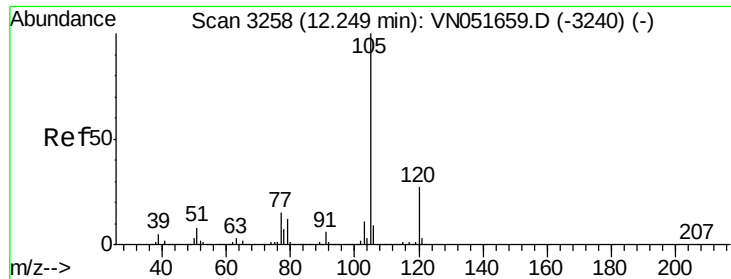
Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.6	85.8
150	165.9	0.0	352.4





#73

Isopropylbenzene

Concen: 20.937 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion:105 Resp: 749863

Ion Ratio Lower Upper

105 100

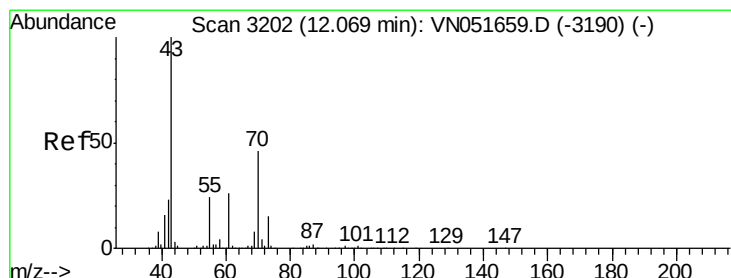
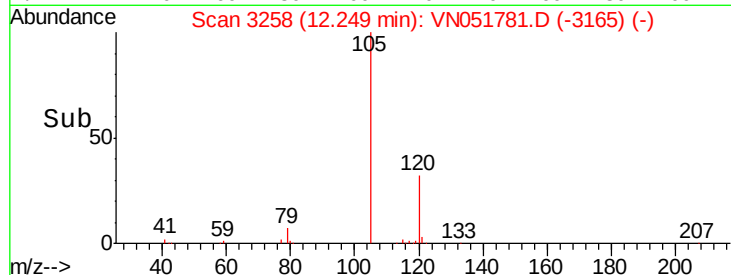
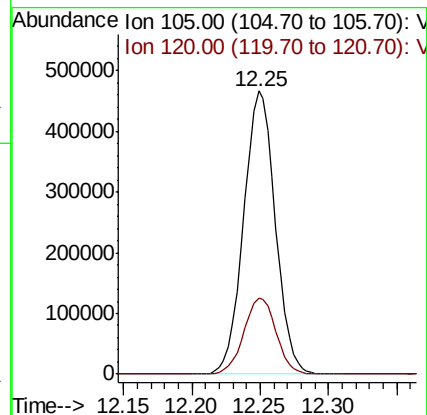
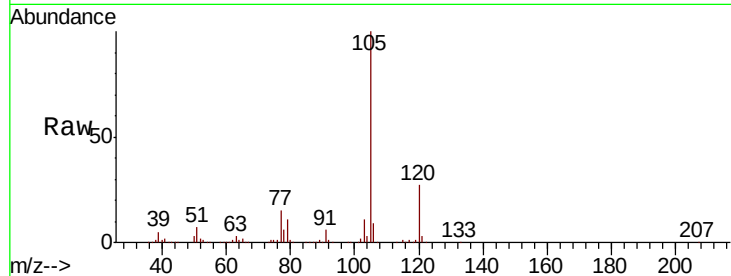
120 27.4 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.331 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion: 43 Resp: 151084

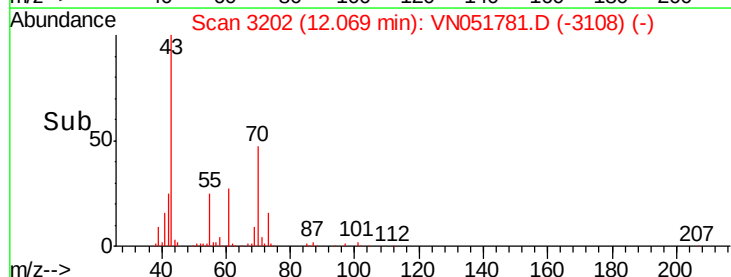
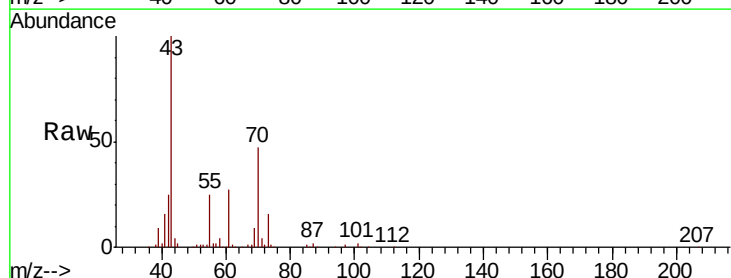
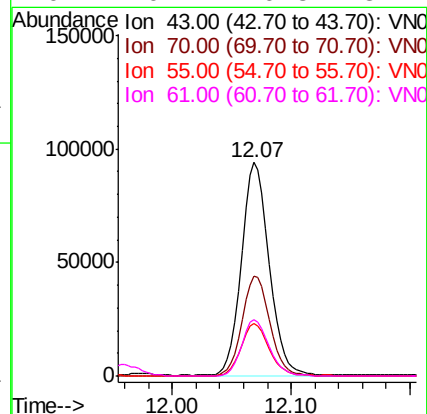
Ion Ratio Lower Upper

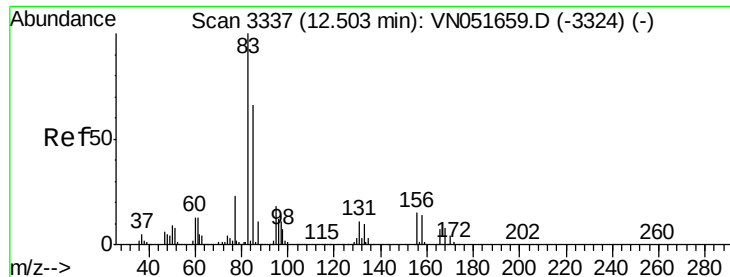
43 100

70 47.4 37.1 55.7

55 25.2 19.1 28.7

61 26.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.223 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

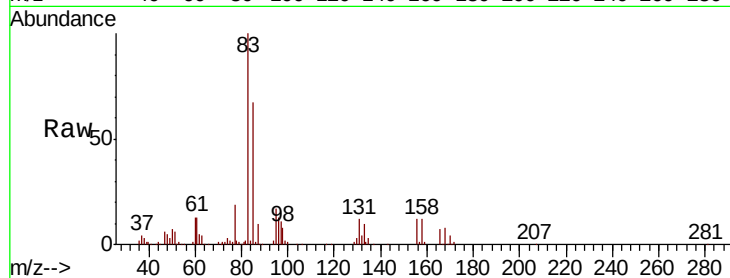
ClientSampleId :

VN1010WBS01

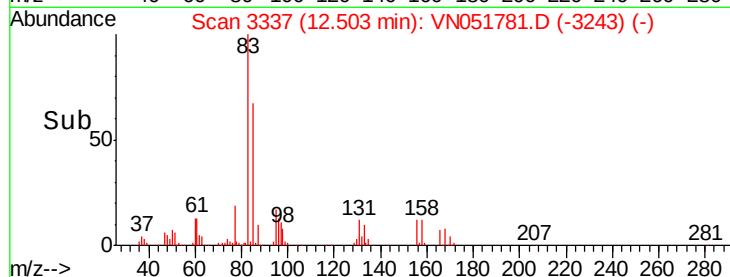
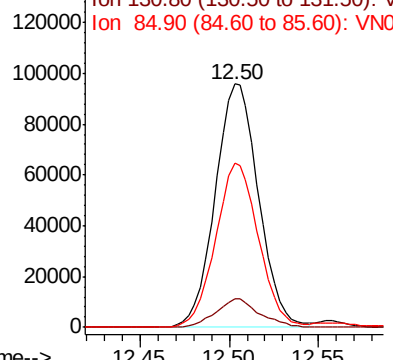
Tot Ion:	83	Resp:	162849
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.7	17.1
85	66.6	33.0	98.9

Manual Integrations
APPROVED

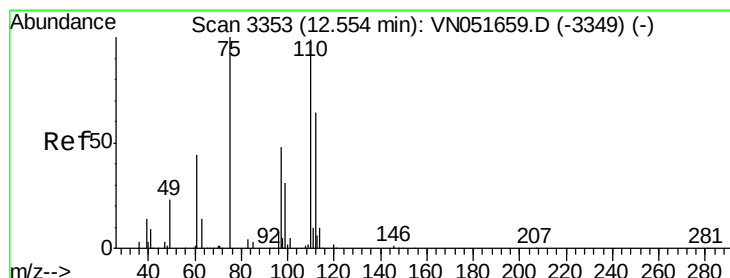
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN051781.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.239 ug/l m

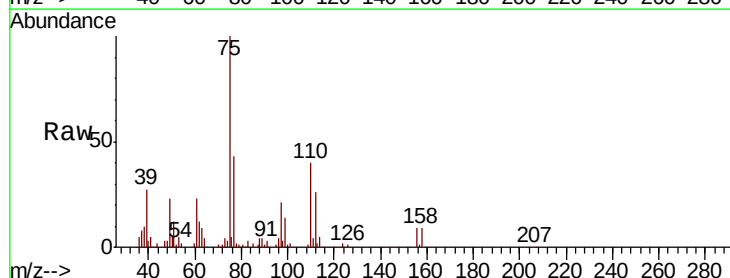
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

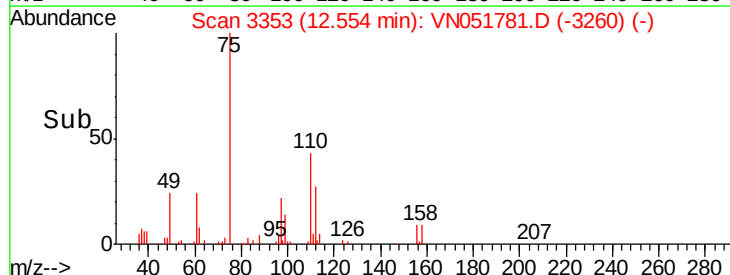
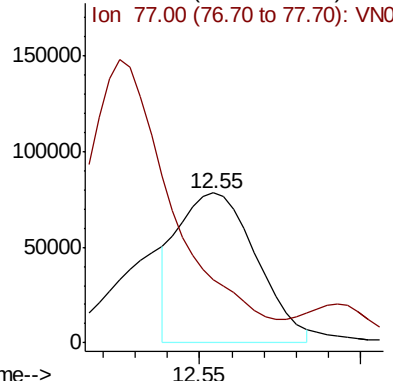
Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

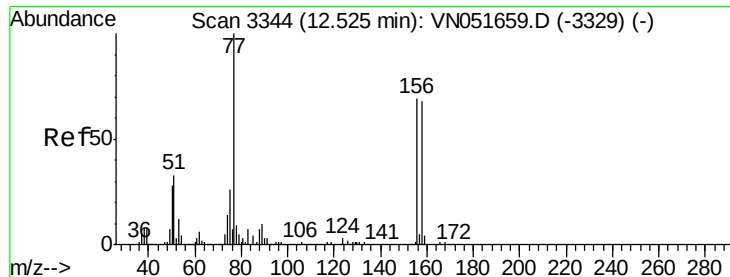
Tgt Ion:	75	Resp:	132788
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051781.D (-3260) (-)



Time-->



#77

Bromobenzene

Concen: 20.880 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

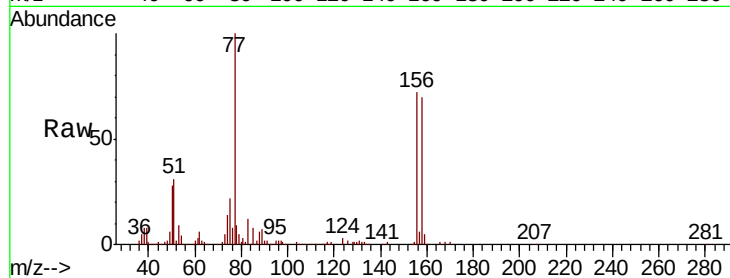
ClientSampleId :

VN1010WBS01

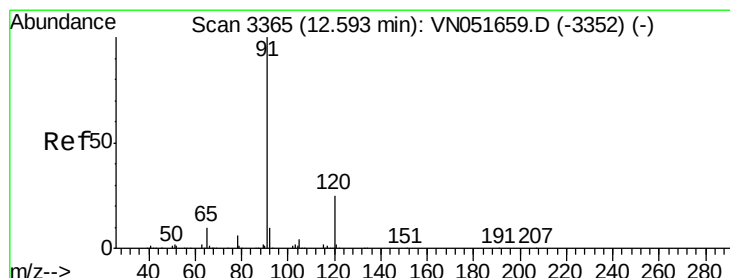
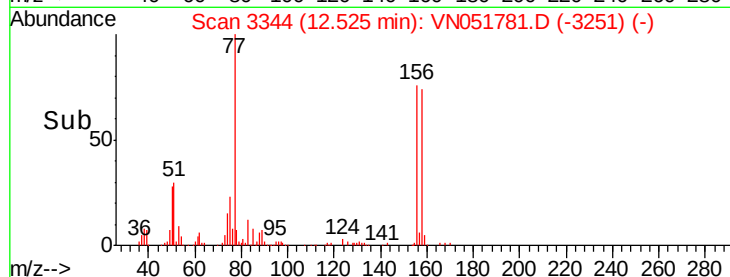
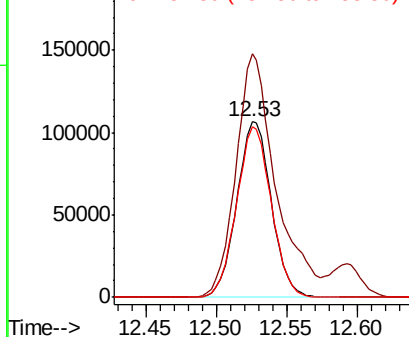
Tot Ion:	156	Resp:	182850
Ion Ratio	Lower	Upper	
156	100		
77	159.9	83.2	249.4
158	97.9	49.0	147.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.355 ug/l

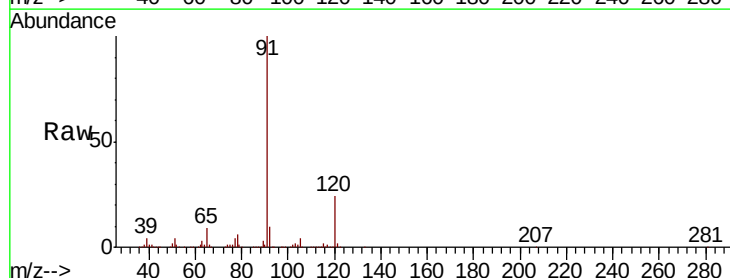
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

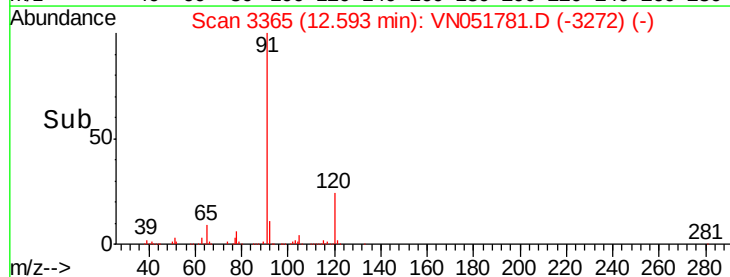
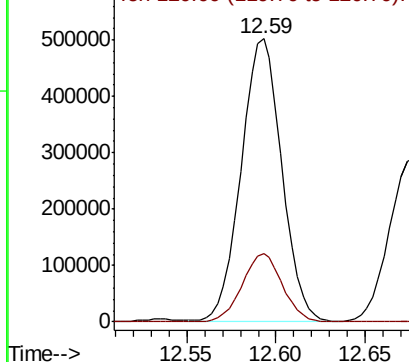
Lab File: VN051781.D

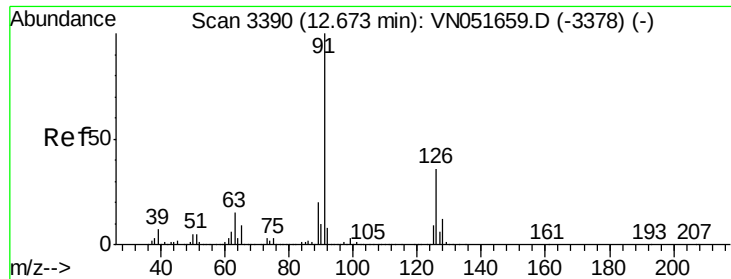
Acq: 10 Oct 2018 11:11

Tgt Ion:	91	Resp:	795160
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.4	37.2



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





#79

2-Chlorotoluene

Concen: 20.621 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion: 91 Resp: 474763

Ion Ratio Lower Upper

91 100

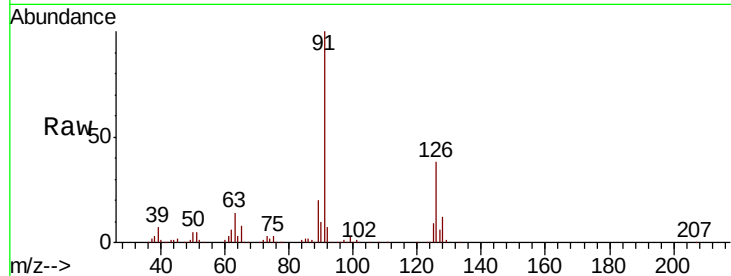
126 37.3 18.5 55.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051659.D (-3378) (-)

400000

300000

200000

100000

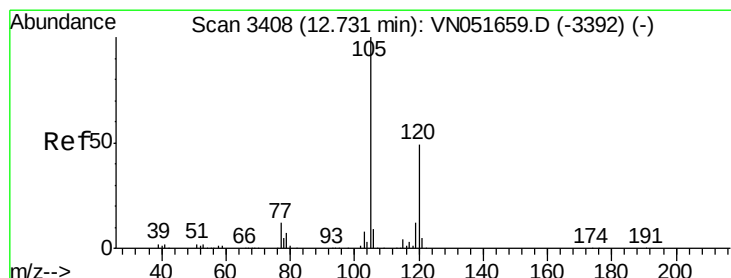
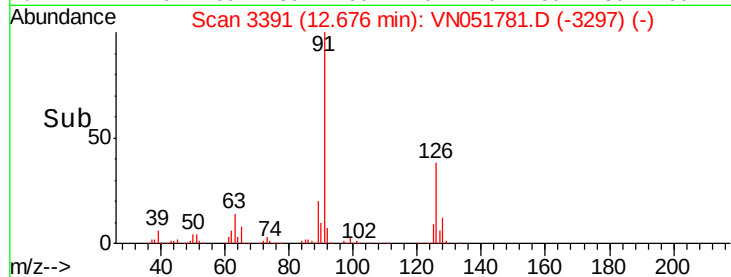
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.285 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051781.D

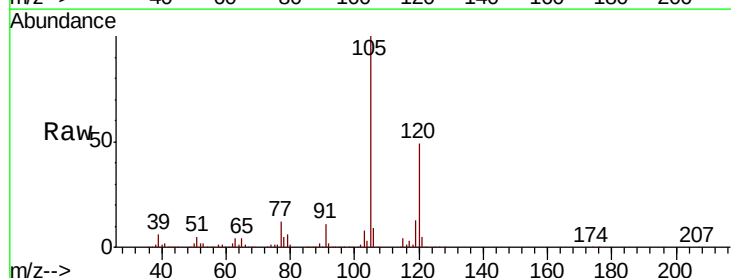
Acq: 10 Oct 2018 11:11

Tgt Ion: 105 Resp: 612269

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051659.D (-3392) (-)

400000

300000

200000

100000

0

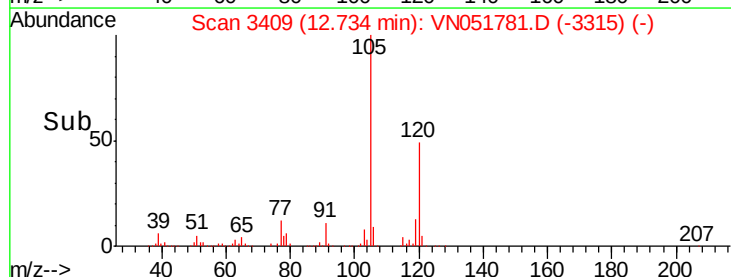
12.73

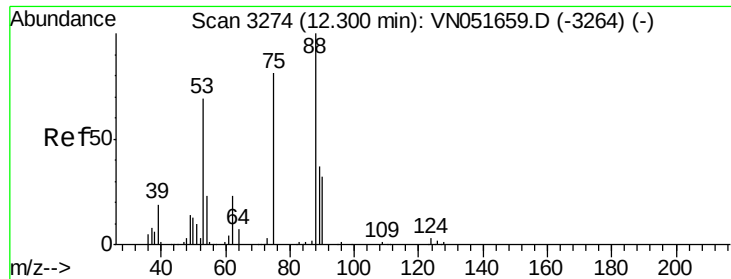
12.70

12.75

12.80

Time-->





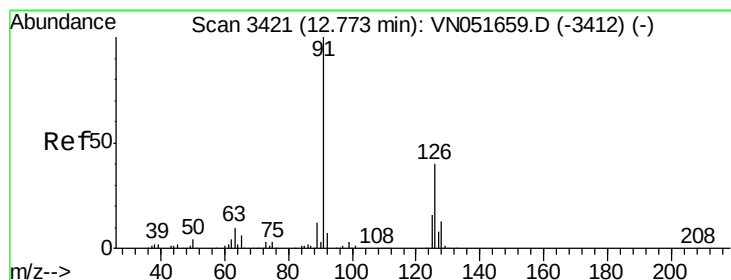
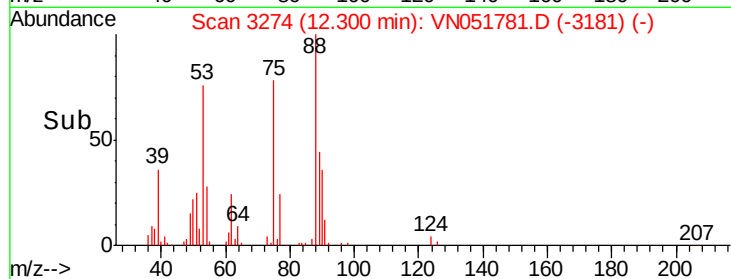
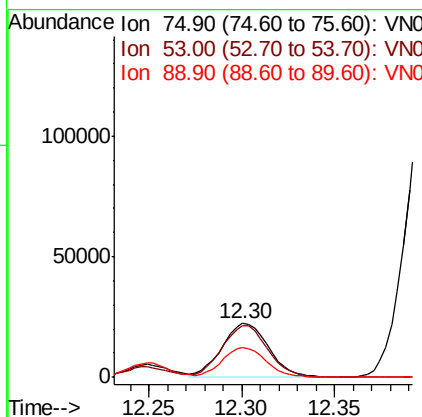
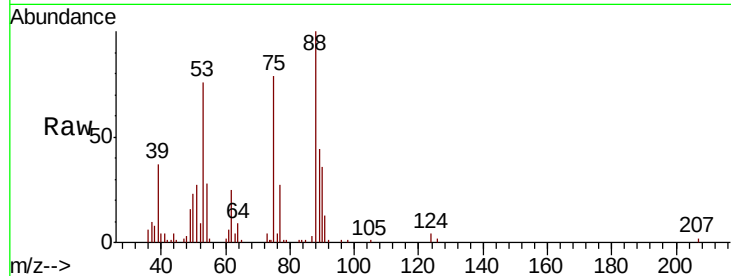
#81
trans-1,4-Dichloro-2-butene
Concen: 17.342 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	68.6	102.8
89	51.6	39.4	59.2

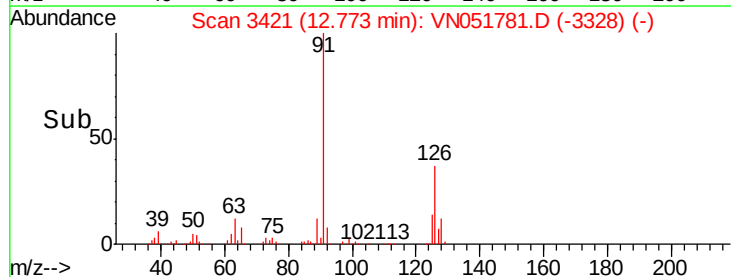
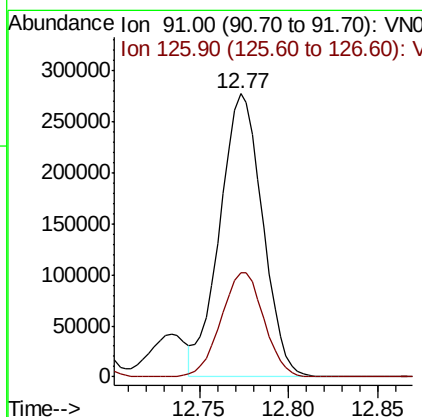
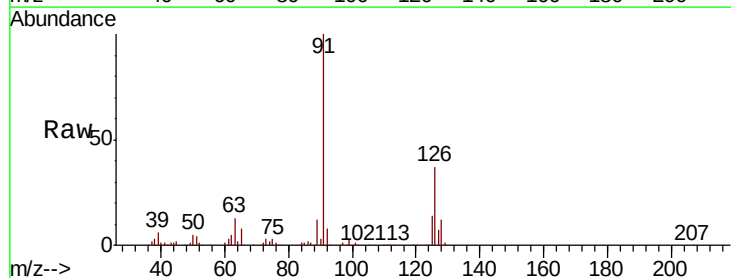
Manual Integrations
APPROVED

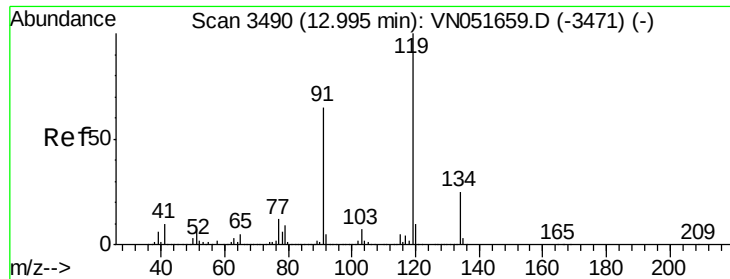
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.875 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.0	54.0





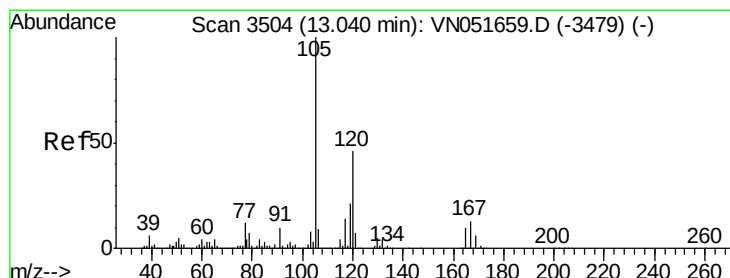
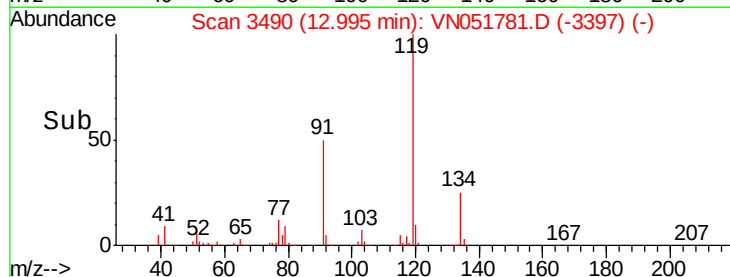
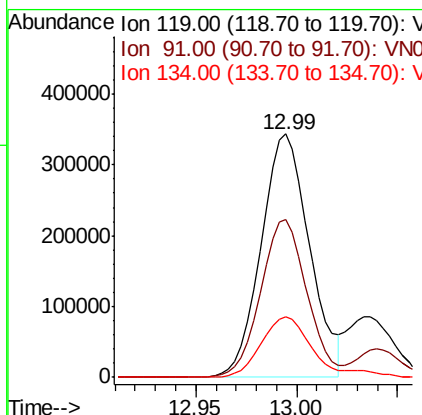
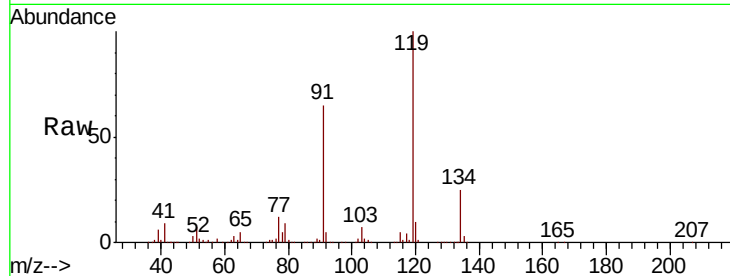
#83
tert-Butylbenzene
Concen: 21.231 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	32.1	96.5
134	24.8	13.3	39.9

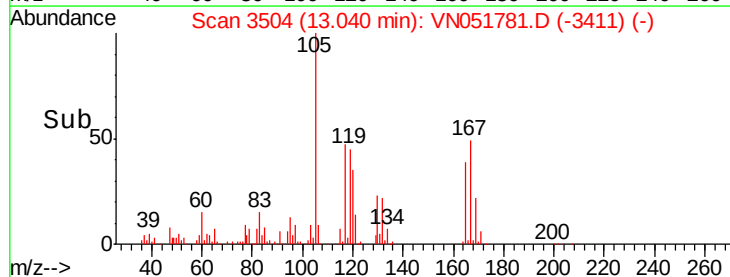
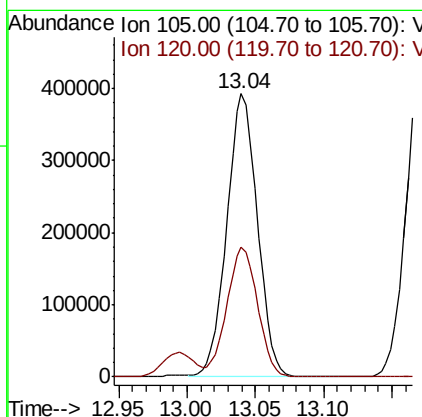
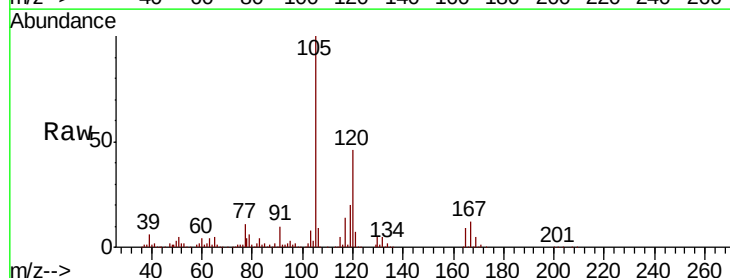
Manual Integrations
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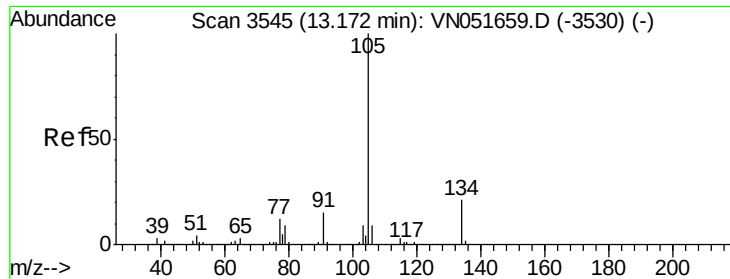
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#84
1,2,4-Trimethylbenzene
Concen: 20.264 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.542 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBS01

Tot Ion:105 Resp: 734883

Ion Ratio Lower Upper

105 100

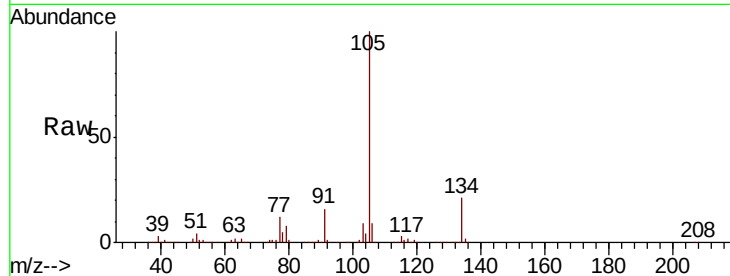
134 21.2 10.5 31.6

Manual Integrations

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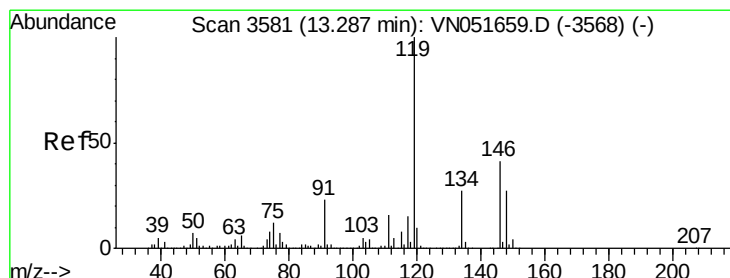
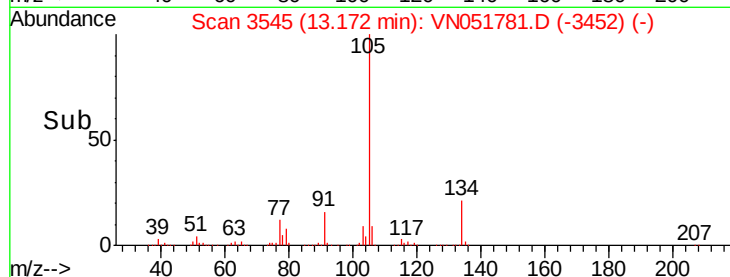
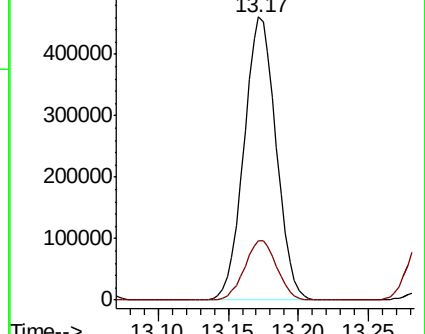
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.445 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

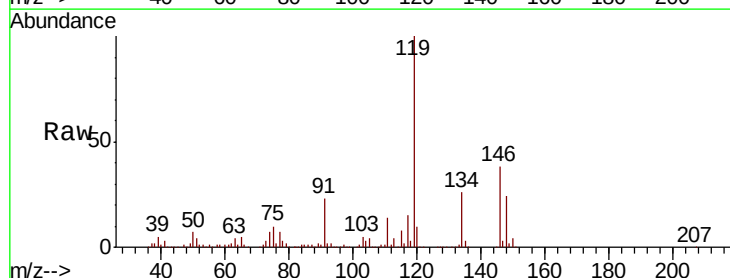
Tgt Ion:119 Resp: 648413

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

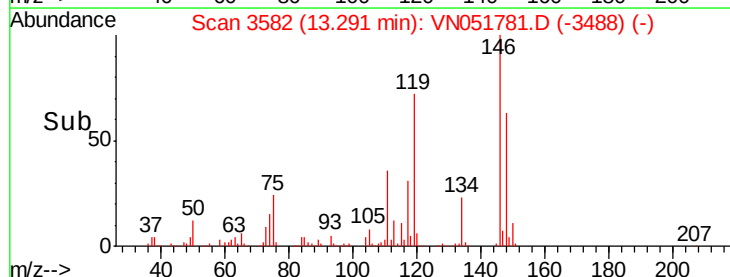
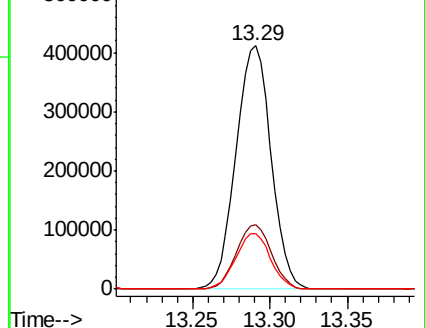
91 22.6 11.7 35.1

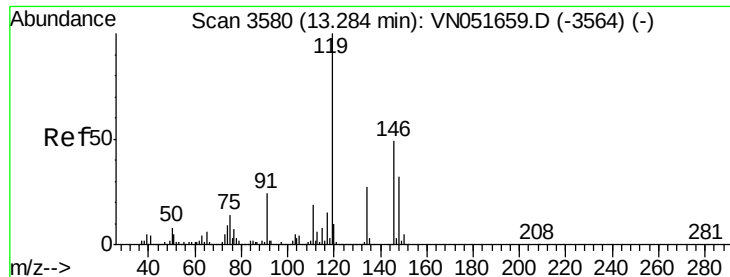


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.670 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

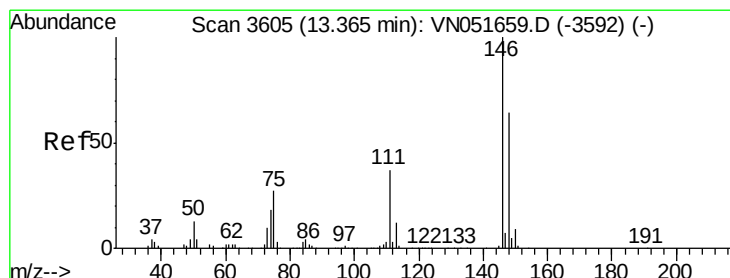
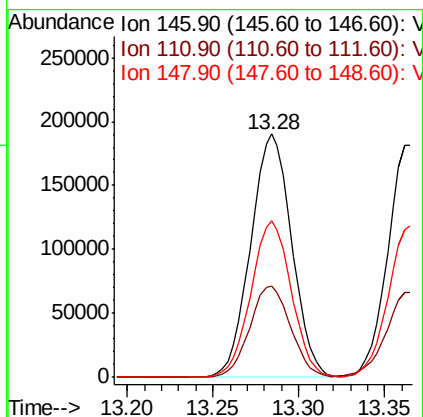
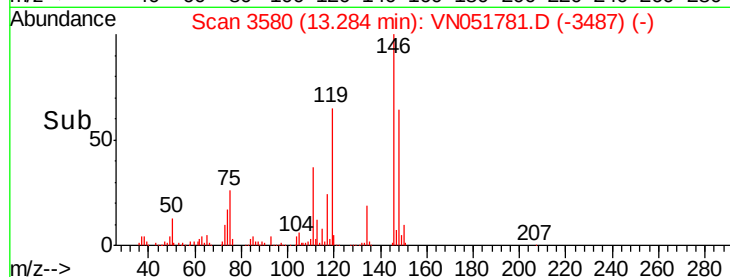
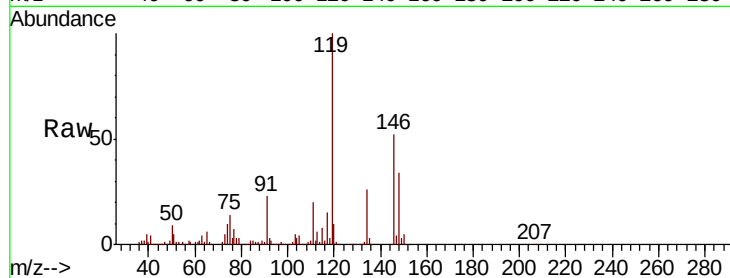
ClientSampleId :

VN1010WBS01

Tot Ion:	146	Resp:	315419
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.3	57.9
148	63.3	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.166 ug/l

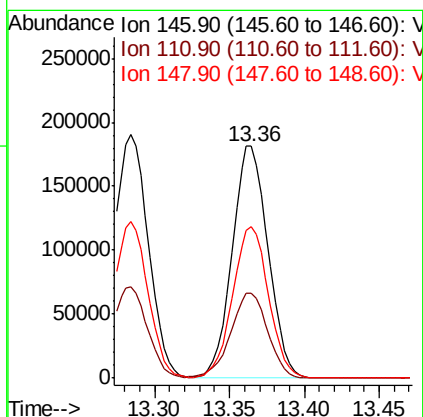
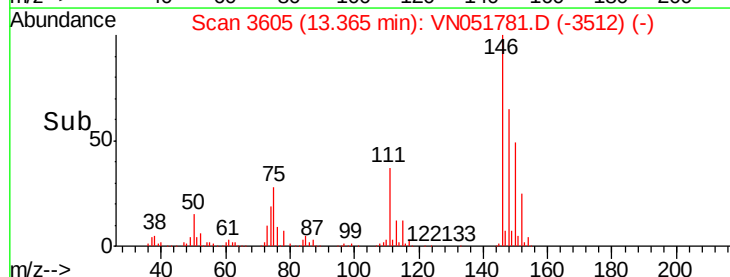
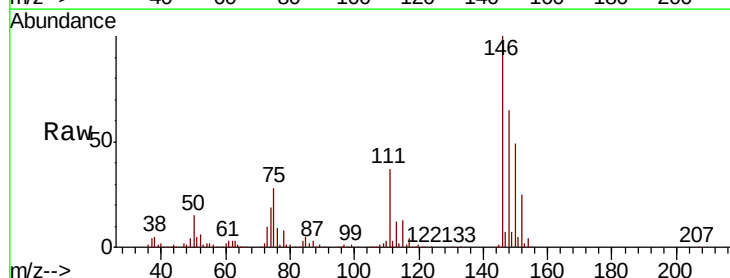
RT: 13.36 min Scan# 3605

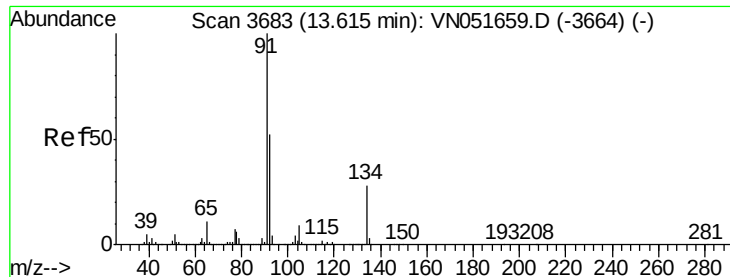
Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion:	146	Resp:	302897
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.6	55.8
148	65.1	32.3	96.8





#89

n-Butylbenzene

Concen: 19.500 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Instrument :

MSVOA_N

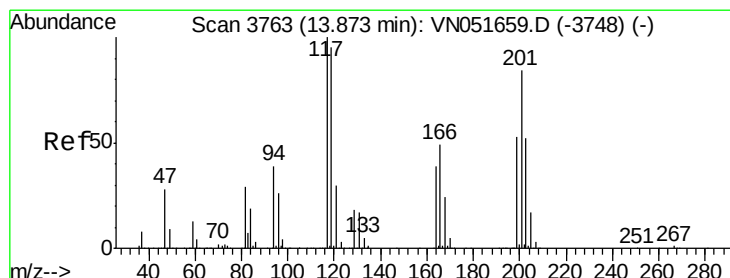
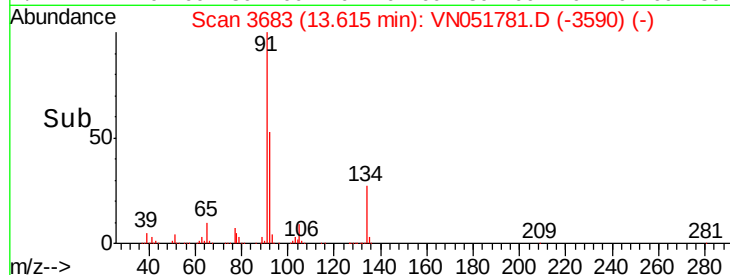
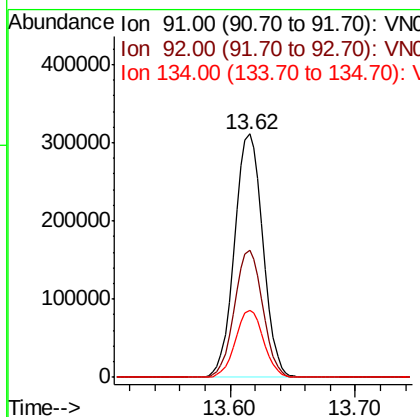
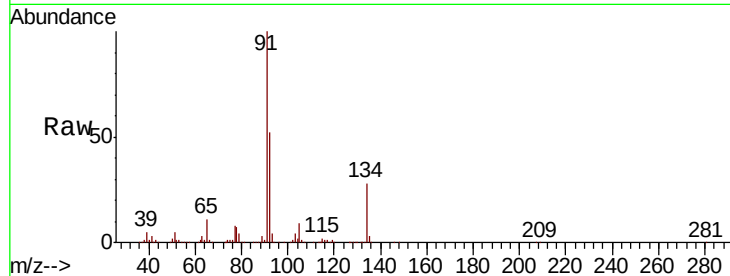
ClientSampleId :

VN1010WBS01

Tot Ion:	91	Resp:	488992
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.0	78.0
134	27.2	14.2	42.6

Manual Integrations
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#90

Hexachloroethane

Concen: 18.339 ug/l

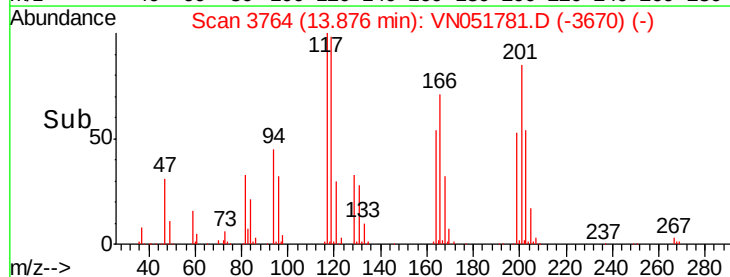
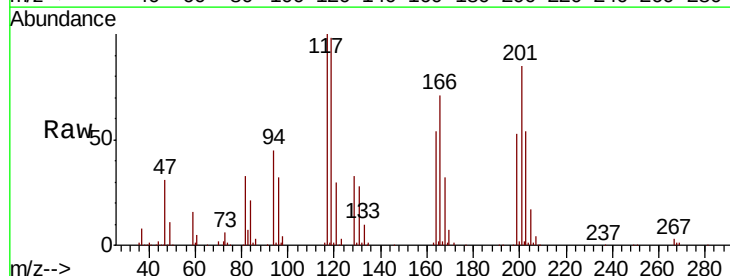
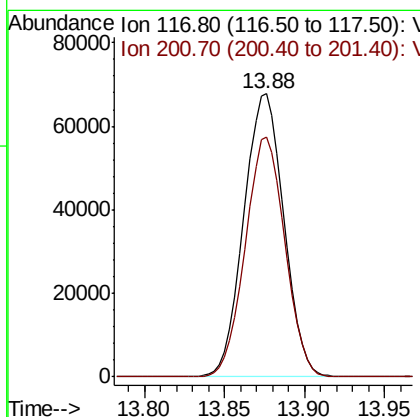
RT: 13.88 min Scan# 3764

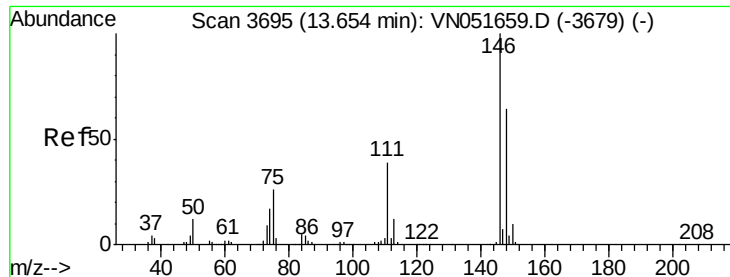
Delta R.T. 0.00 min

Lab File: VN051781.D

Acq: 10 Oct 2018 11:11

Tgt Ion:	117	Resp:	116045
Ion Ratio	Lower	Upper	
117	100		
201	83.7	42.4	127.3





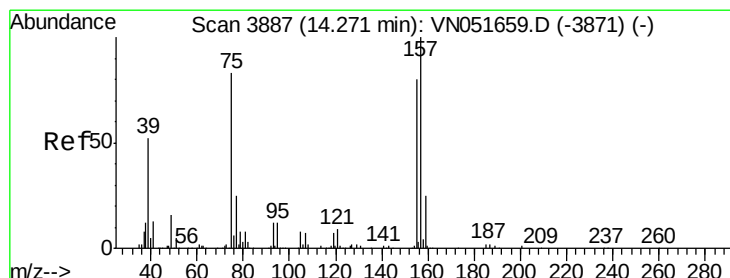
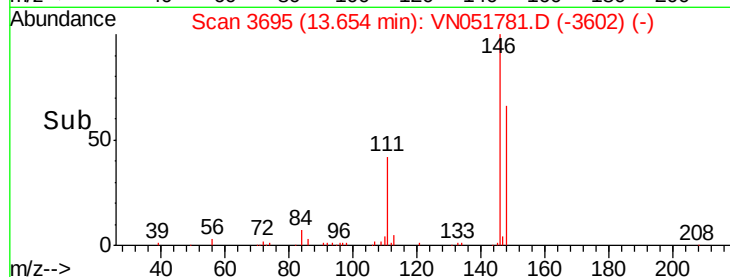
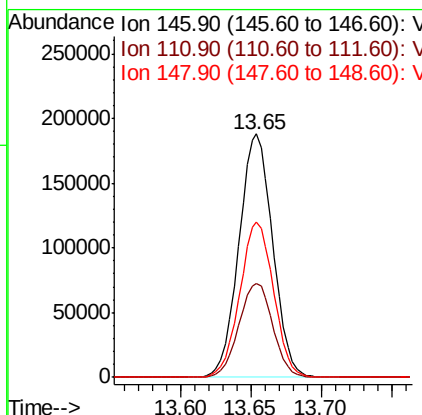
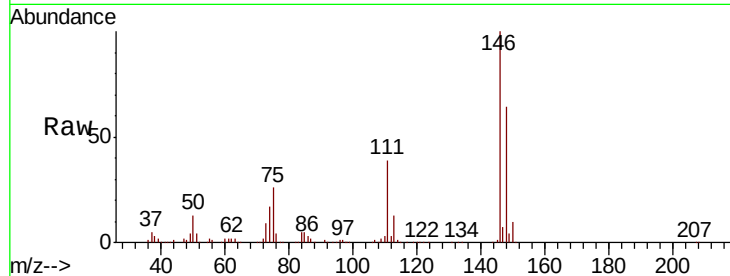
#91
 1,2-Dichlorobenzene
 Concen: 20.792 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	63.8	32.1	96.3

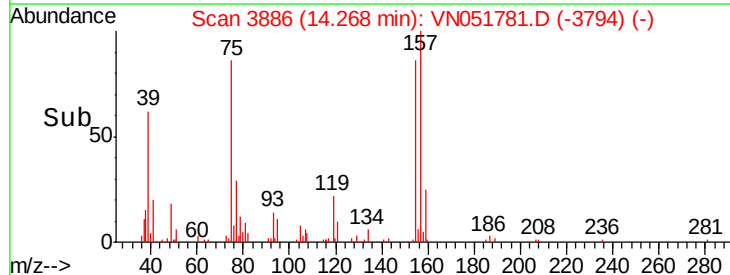
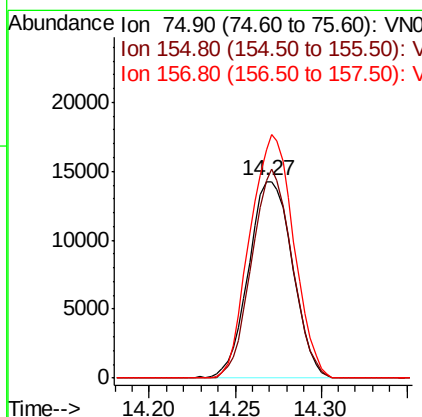
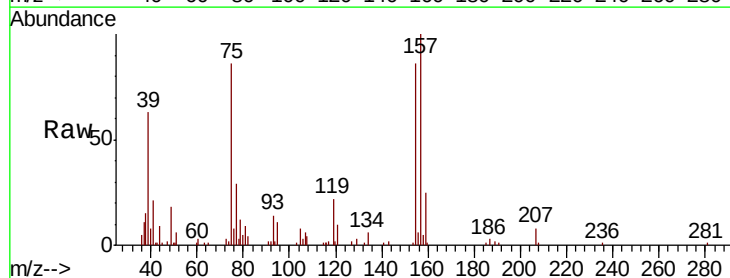
Manual Integrations
 APPROVED

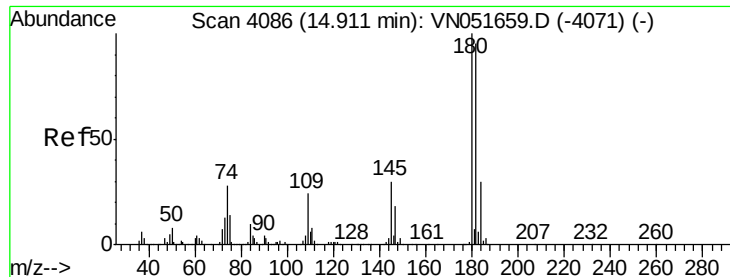
MMDadoda
 10/11/2018 5:51:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.161 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	47.6	142.9
157	122.9	61.7	185.1





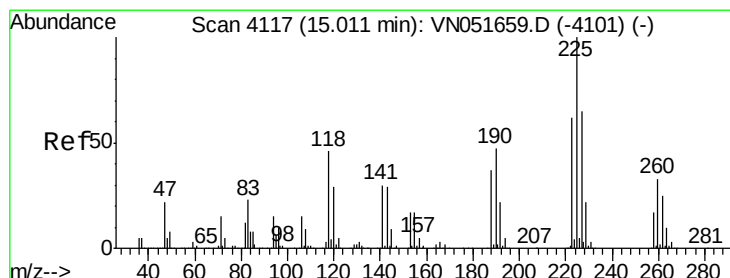
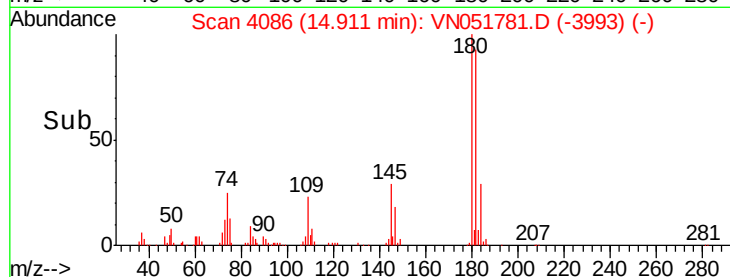
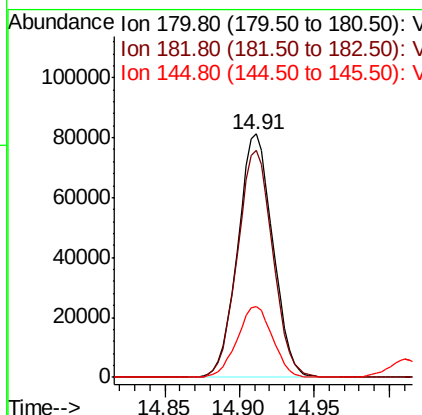
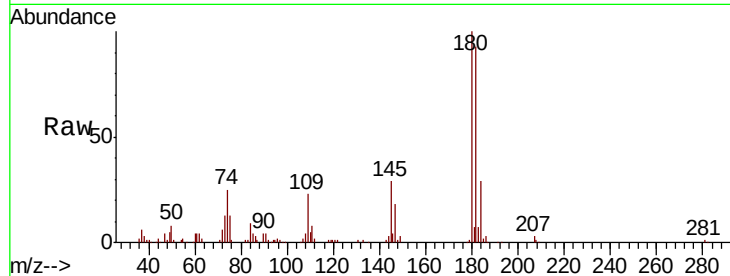
#93
 1,2,4-Trichlorobenzene
 Concen: 19.634 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.7	143.1
145	29.4	15.3	45.9

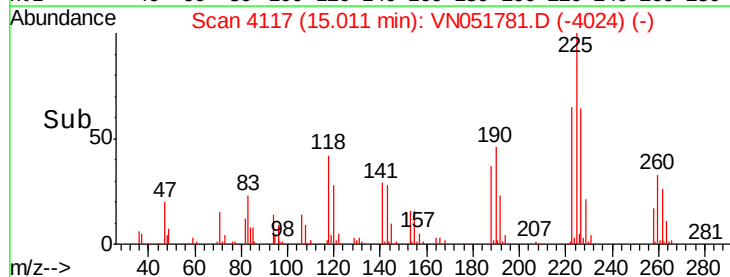
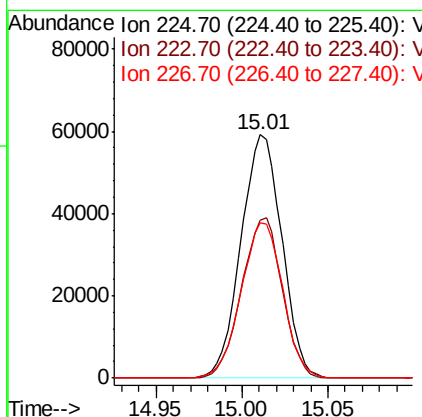
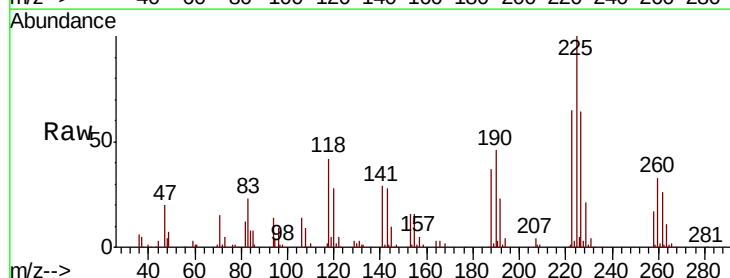
Manual Integrations
 APPROVED

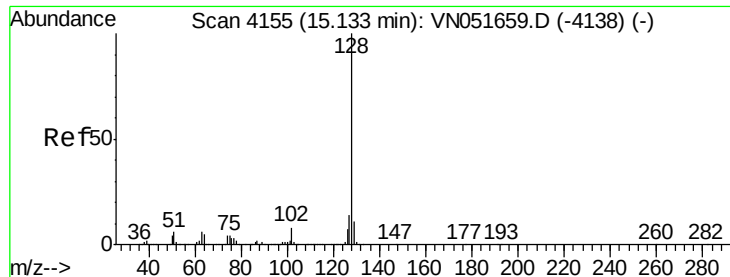
MMDadoda
 10/11/2018 5:51:13 PM



#94
 Hexachlorobutadiene
 Concen: 21.398 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051781.D
 Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.9	95.5
227	65.0	31.7	95.1





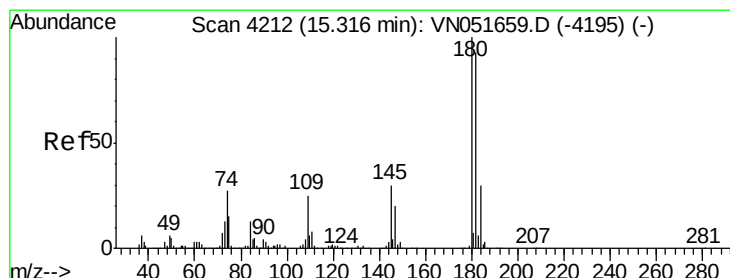
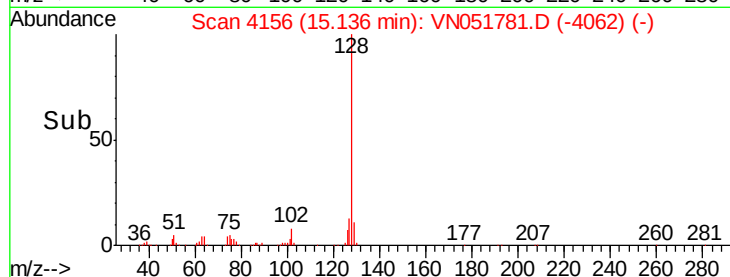
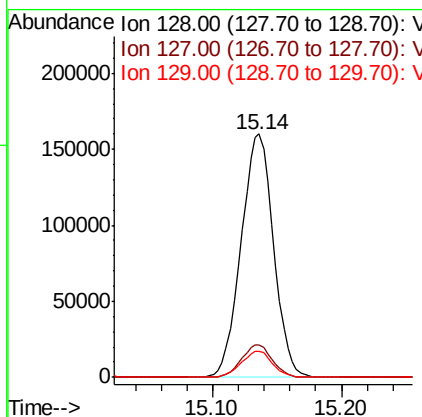
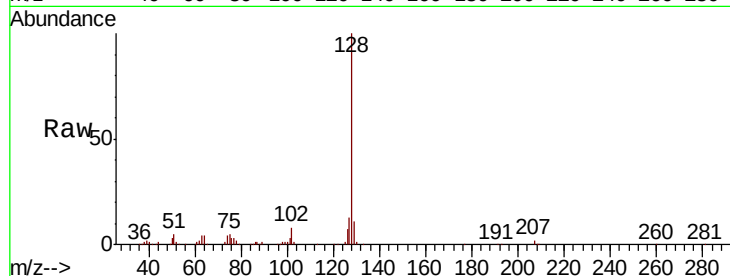
#95
Naphthalene
Concen: 19.193 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.3	9.0	13.6

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 20.564 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051781.D
Acq: 10 Oct 2018 11:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.3	141.8
145	31.9	15.6	46.8

