

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051681.D
 Acq On : 5 Oct 2018 12:49
 Operator : MD\SY
 Sample : VN1005WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:50 PM

Quant Time: Oct 05 17:28:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	102529	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	586151	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	518893	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	208209	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	12.40	95	210468	26.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.60%
63) Toluene-d8	10.09	98	703352	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	119648	20.006	ug/l 100
3) Chloromethane	2.06	50	120909	20.594	ug/l 99
4) Vinyl Chloride	2.18	62	190709	21.356	ug/l 98
5) Bromomethane	2.57	94	147132	21.195	ug/l 86
6) Chloroethane	2.70	64	127533	21.307	ug/l 99
7) Trichlorofluoromethane	3.01	101	199275	19.485	ug/l 93
8) Diethyl Ether	3.41	74	54291	19.875	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	105974	20.206	ug/l 42
10) 1,1-Dichloroethene	3.74	96	96530	20.169	ug/l 90
11) Methyl Iodide	3.95	142	115024	18.720	ug/l 94
12) Methyl Acetate	4.33	43	77251	20.454	ug/l 98
13) Acrolein	3.61	56	28017	100.905	ug/l 86
14) Acrylonitrile	4.99	53	150712	97.735	ug/l 97
15) Acetone	3.82	58	36901	100.131	ug/l 75
16) Carbon Disulfide	4.05	76	269840	19.711	ug/l 98
17) Allyl chloride	4.32	41	139965	20.051	ug/l 78
18) Methylene Chloride	4.55	84	109730	20.321	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	103880	19.201	ug/l 86
20) Diisopropyl ether	5.96	45	301178	19.210	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	191283	19.549	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	125208	19.670	ug/l 88
23) tert-Butyl Alcohol	4.79	59	43626	109.525	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	304223	19.797	ug/l # 58
25) Chloroform	7.37	83	214139	19.355	ug/l 94
26) Cyclohexane	7.66	56	156246	18.792	ug/l # 84
29) 1,1-Dichloropropene	7.80	75	147351	18.914	ug/l 96
30) 2-Butanone	6.84	43	183055	96.482	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	191234	19.704	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	199812	19.073	ug/l 97
33) Carbon Tetrachloride	7.78	117	173218	18.238	ug/l 92
34) Benzene	8.04	78	445794	18.917	ug/l # 72
35) Methacrylonitrile	7.18	41	45042	21.511	ug/l 94
36) 1,2-Dichloroethane	8.13	62	152076	19.280	ug/l 98
37) Trichloroethene	8.84	130	123818	18.895	ug/l 99
38) Methylcyclohexane	9.08	83	180141	18.260	ug/l 85
39) 1,2-Dichloropropane	9.12	63	111581	19.331	ug/l 97
40) Dibromomethane	9.21	93	77080	19.303	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	168465	18.904	ug/l	94
42) Vinyl Acetate	5.90	43	1088237	97.343	ug/l	96
43) Ethyl Acetate	6.93	43	79263	19.854	ug/l #	92
44) Isopropyl Acetate	8.17	43	172866	19.578	ug/l	98
45) 1,4-Dioxane	9.20	88	21768	390.194	ug/l #	85
46) Methyl methacrylate	9.20	41	78071	19.834	ug/l	82
48) t-1,3-Dichloropropene	10.38	75	163087	18.090	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	179077	18.429	ug/l #	90
50) 1,1,2-Trichloroethane	10.56	97	105356	18.708	ug/l	97
51) Ethyl methacrylate	10.43	69	129276	18.049	ug/l	86
52) 1,3-Dichloropropane	10.71	76	166847	18.603	ug/l	97
53) Dibromochloromethane	10.90	129	129943	17.567	ug/l	96
54) 1,2-Dibromoethane	11.01	107	104615	17.707	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	279649	94.247	ug/l	95
56) Bromoform	12.13	173	85920	16.202	ug/l #	91
58) 4-Methyl-2-Pentanone	9.99	43	439799	103.230	ug/l #	94
59) 2-Hexanone	10.75	43	286819	99.463	ug/l	96
61) Tetrachloroethene	10.63	164	113926	18.637	ug/l	97
62) Toluene	10.16	91	506661	19.276	ug/l	98
64) Chlorobenzene	11.43	112	318794	18.896	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	129359	18.839	ug/l	99
66) Ethyl Benzene	11.51	91	547528	18.517	ug/l	98
67) m/p-Xylenes	11.62	106	432048	36.533	ug/l	99
68) o-Xylene	11.95	106	212340	18.204	ug/l	95
69) Styrene	11.96	104	322966	17.353	ug/l	99
70) Isopropylbenzene	12.25	105	570396	18.199	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	126299	19.295	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	102525m	19.635	ug/l	
73) Bromobenzene	12.53	156	130823	17.354	ug/l	90
74) n-propylbenzene	12.59	91	609116	17.654	ug/l	97
75) 2-Chlorotoluene	12.68	91	353968	17.558	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	467438	17.576	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34480	17.711	ug/l	94
78) 4-Chlorotoluene	12.77	91	347555	17.202	ug/l	96
79) tert-butylbenzene	12.99	119	423421	17.701	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	462871	17.497	ug/l	98
81) sec-Butylbenzene	13.17	105	556717	17.398	ug/l	98
82) p-Isopropyltoluene	13.29	119	481123	17.067	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	221654	16.442	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	205700	15.968	ug/l	99
85) n-Butylbenzene	13.62	91	365246	16.392	ug/l	97
86) Hexachloroethane	13.87	117	99950	17.920	ug/l	85
87) 1,2-Dichlorobenzene	13.65	146	223334	16.906	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19633	18.216	ug/l #	83
89) 1,2,4-Trichlorobenzene	14.91	180	82124	17.047	ug/l	96
90) Hexachlorobutadiene	15.01	225	69321	17.245	ug/l	97
91) Naphthalene	15.13	128	173098	13.877	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	88678	15.561	ug/l	94

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QLast Update : Fri Oct 05 11:11:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

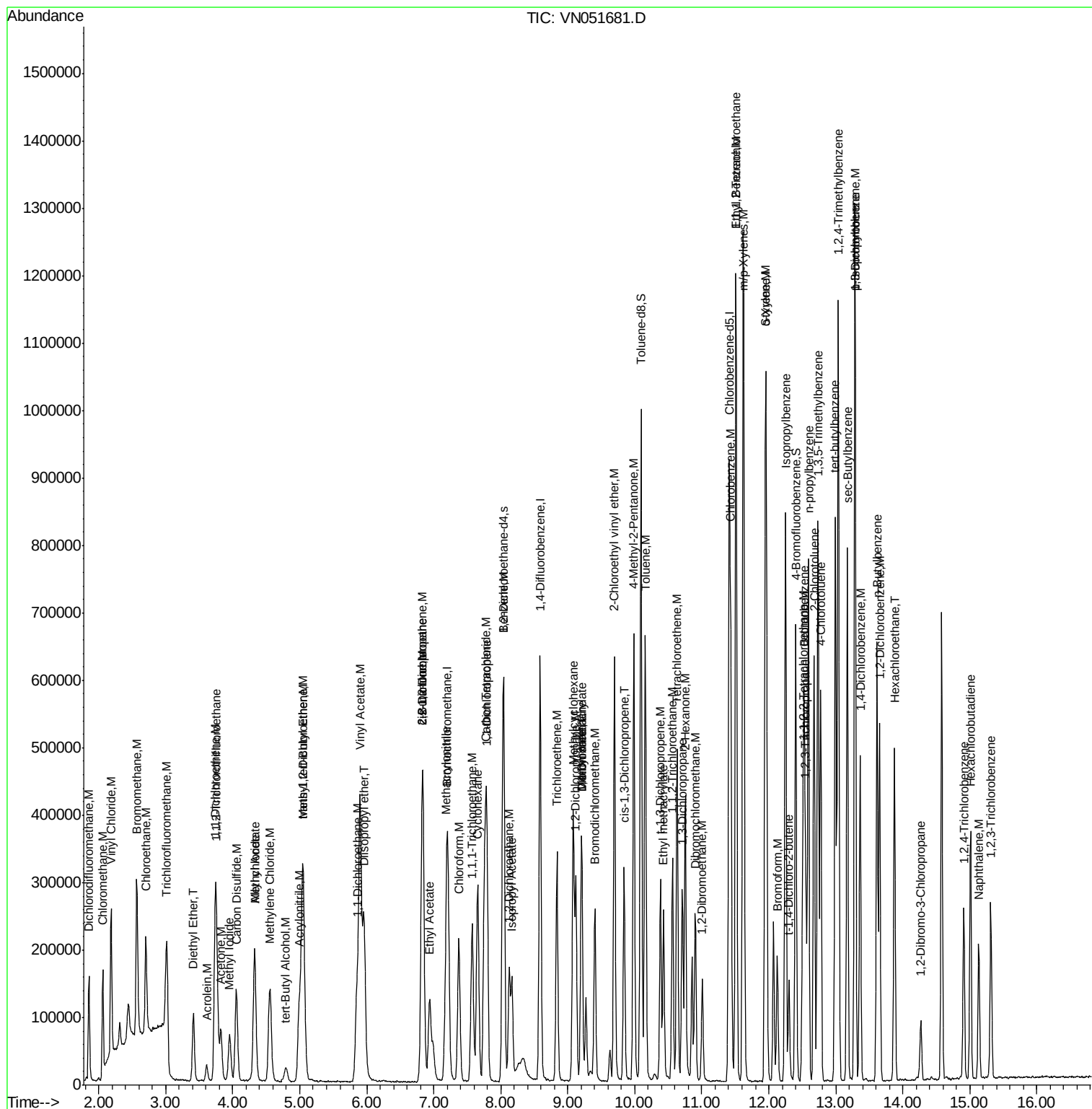
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
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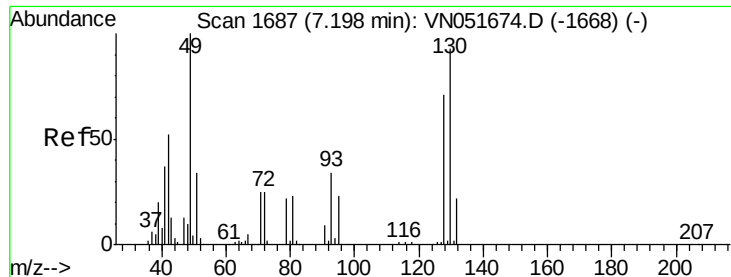
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1005WBS01

Manual Integrations
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 10/8/2018 3:58:50 PM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

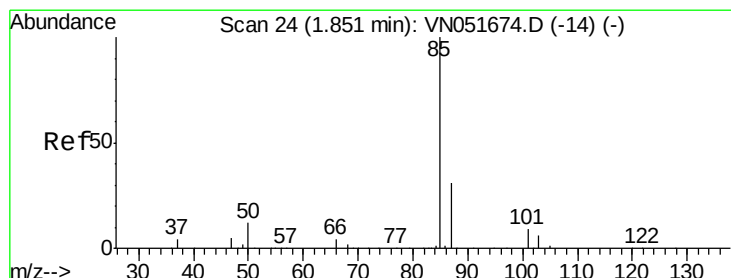
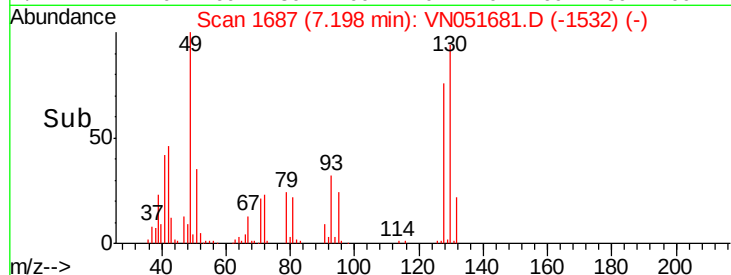
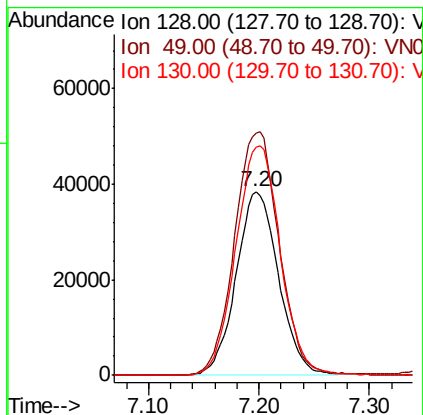
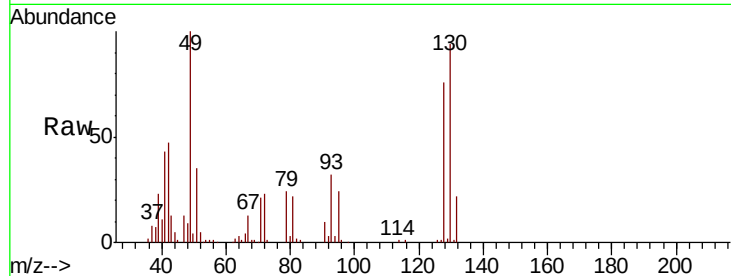
ClientSampleId :

VN1005WBS01

Tot Ion:	128	Resp:	102529
Ion	Ratio	Lower	Upper
128	100		
49	139.2	0.0	403.3
130	130.8	0.0	326.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.006 ug/l

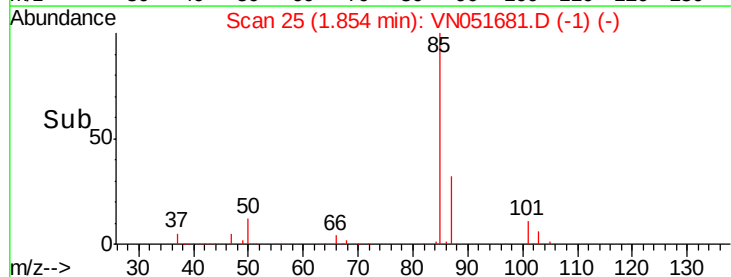
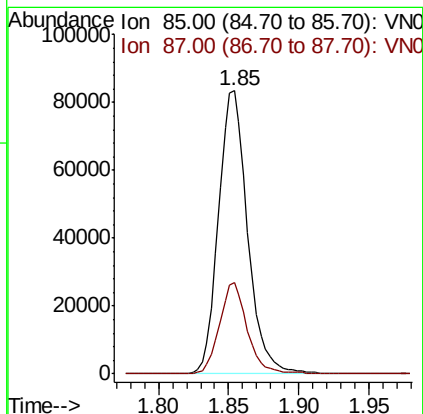
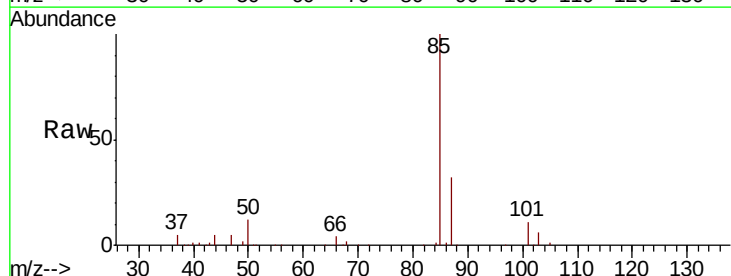
RT: 1.85 min Scan# 25

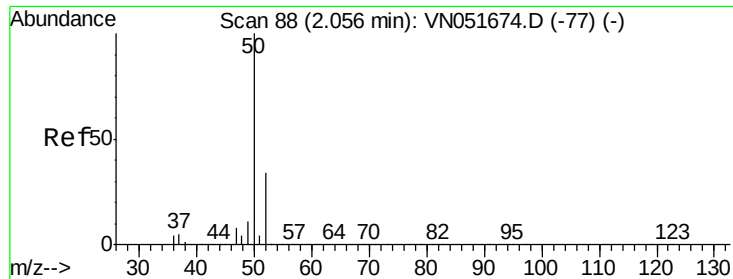
Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Tgt Ion:	85	Resp:	119648
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.3	48.8





#3

Chloromethane

Concen: 20.594 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 50 Resp: 120909

Ion Ratio Lower Upper

50 100

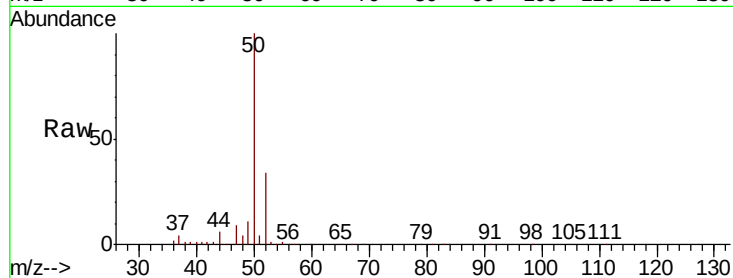
52 33.6 27.2 40.8

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.06

100000

80000

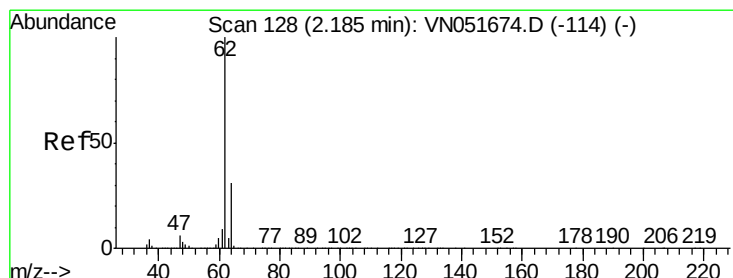
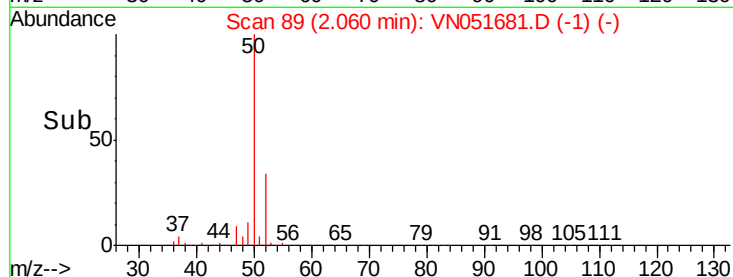
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.356 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051681.D

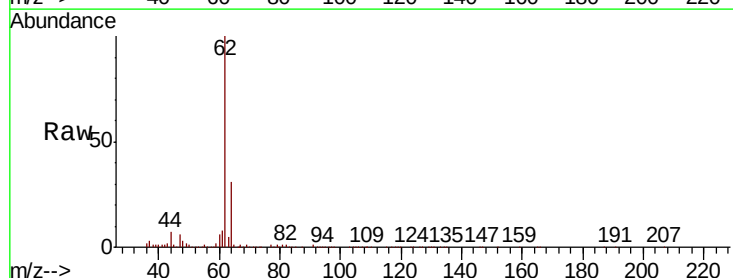
Acq: 5 Oct 2018 12:49

Tgt Ion: 62 Resp: 190709

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

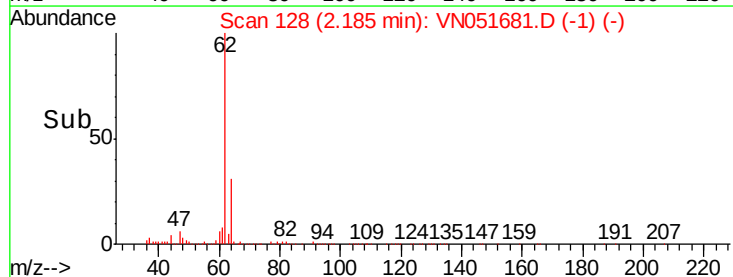
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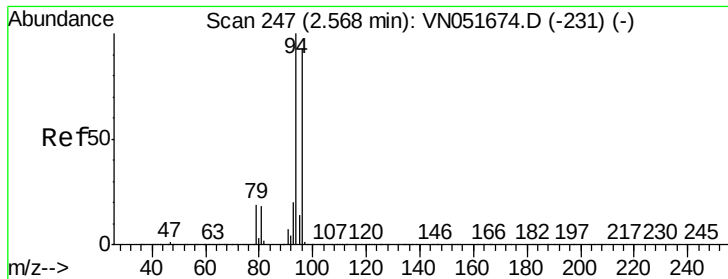
100000

50000

0

Time-->





#5

Bromomethane

Concen: 21.195 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 94 Resp: 147132

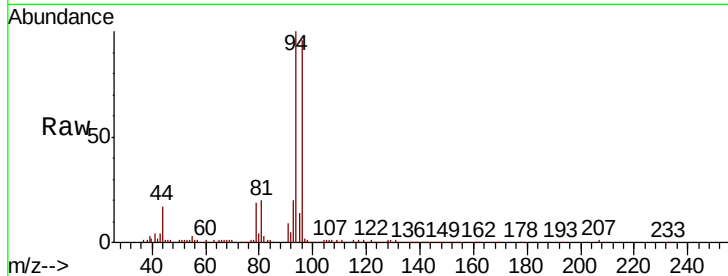
Ion Ratio Lower Upper

94 100

96 95.5 66.4 99.6

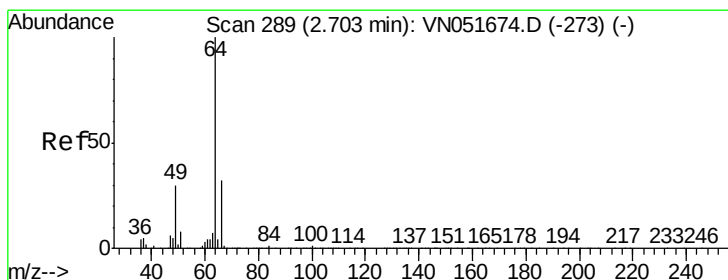
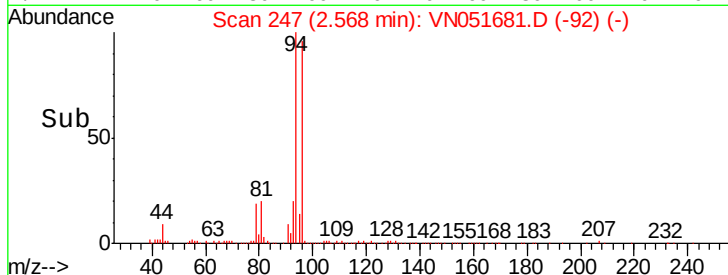
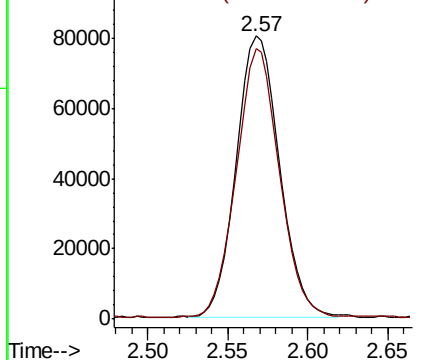
Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.307 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051681.D

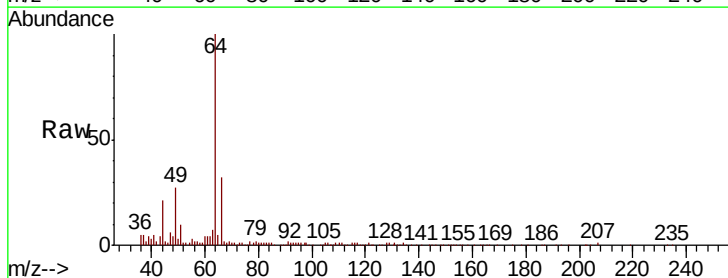
Acq: 5 Oct 2018 12:49

Tgt Ion: 64 Resp: 127533

Ion Ratio Lower Upper

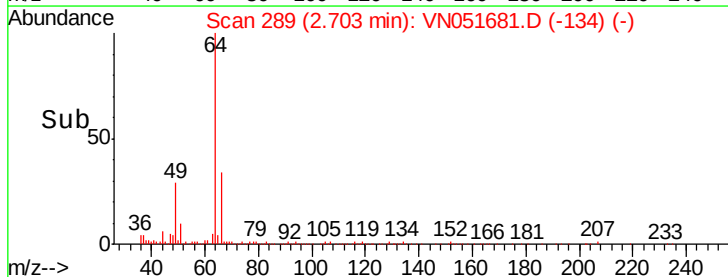
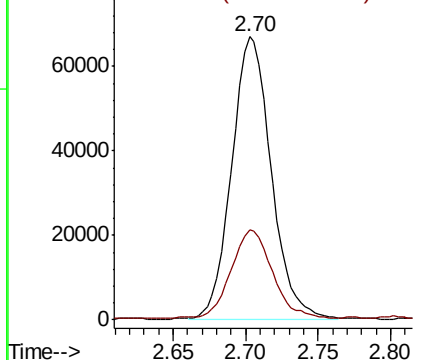
64 100

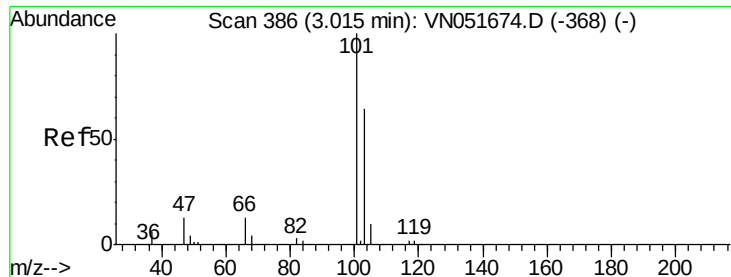
66 31.4 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

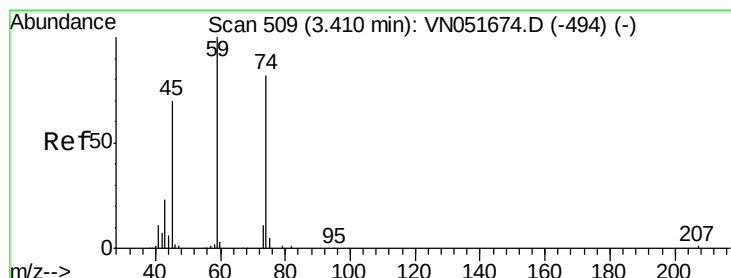
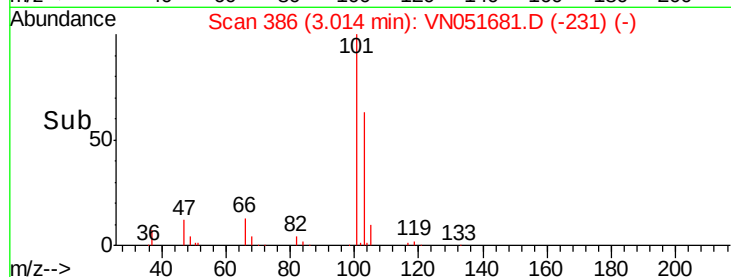
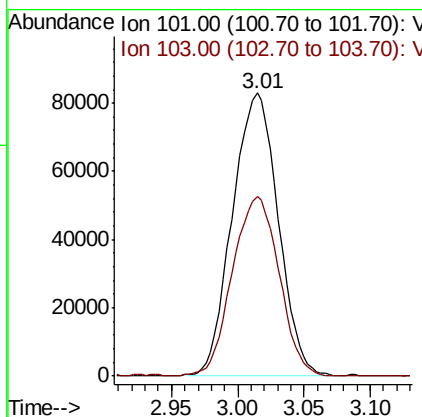
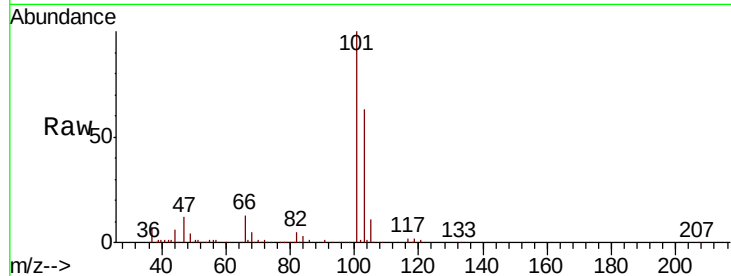
Trichlorofluoromethane
 Concen: 19.485 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	54.8	82.2

Manual Integrations
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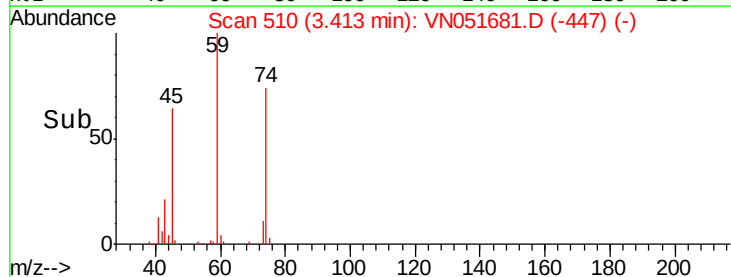
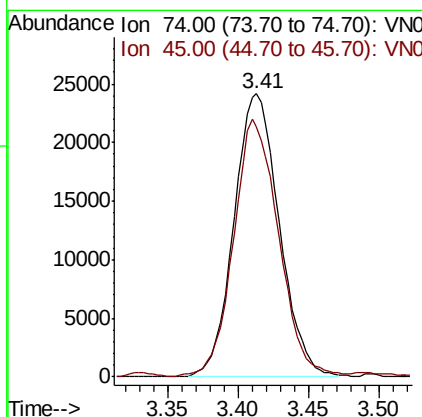
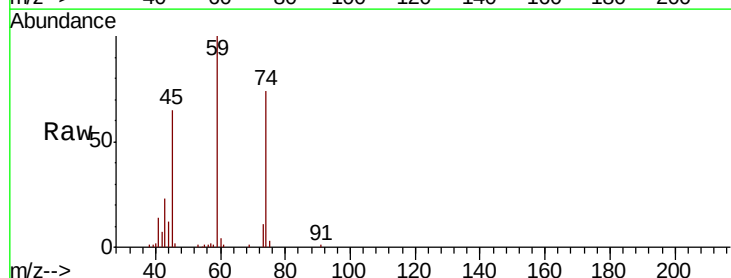
MMDadoda
 10/8/2018 3:58:50 PM

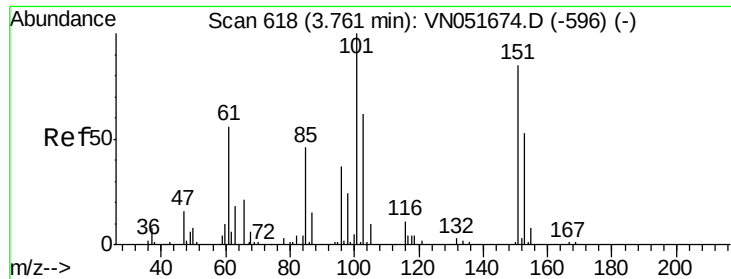


#8

Diethyl Ether
 Concen: 19.875 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	20.7	186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.206 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

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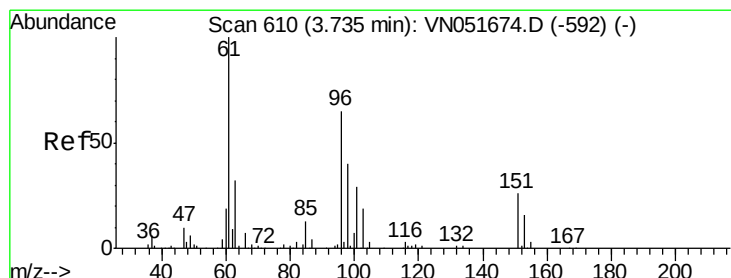
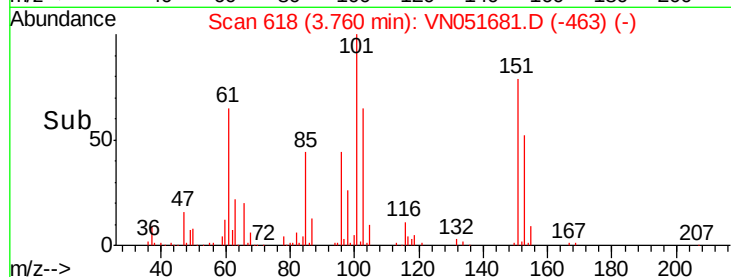
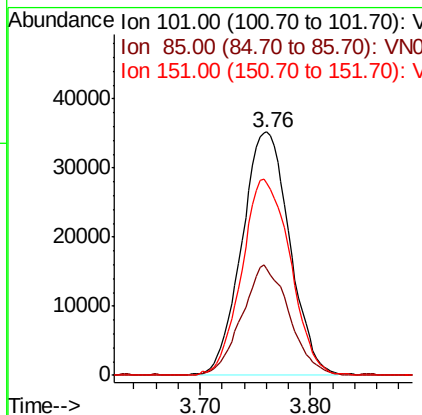
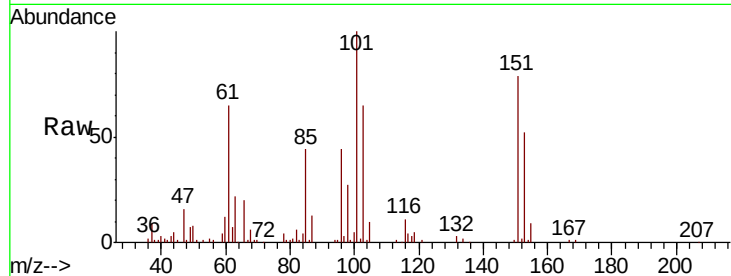
ClientSampleId :

VN1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	105974		
85	44.7	0.0	46.0	
151	81.7	0.0	82.2	

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:50 PM



#10

1,1-Dichloroethene

Concen: 20.169 ug/l

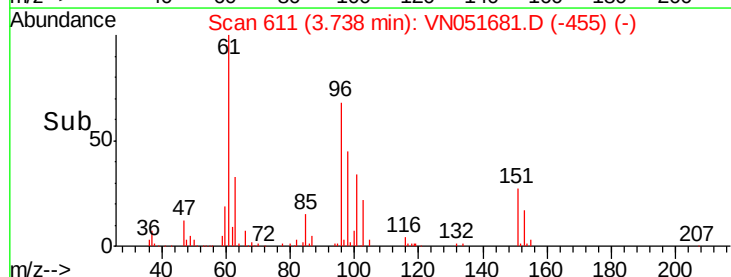
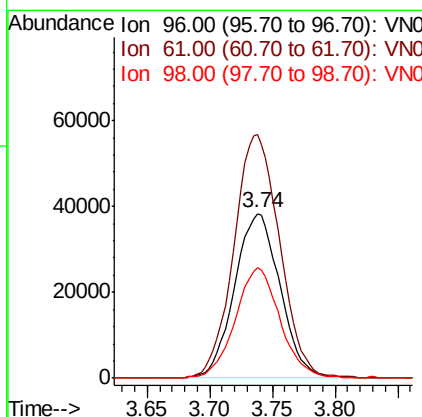
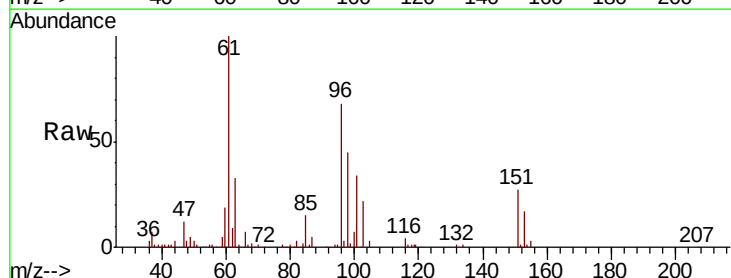
RT: 3.74 min Scan# 611

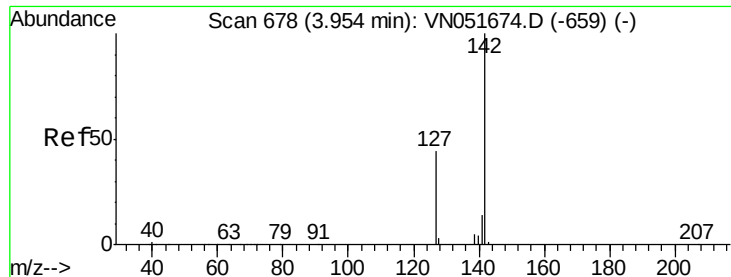
Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	96530		
61	146.9	133.0	199.6	
98	66.0	52.6	78.8	





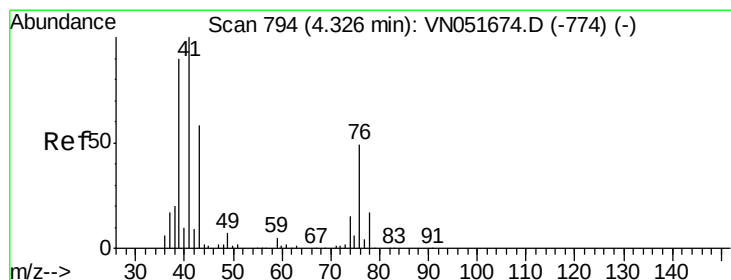
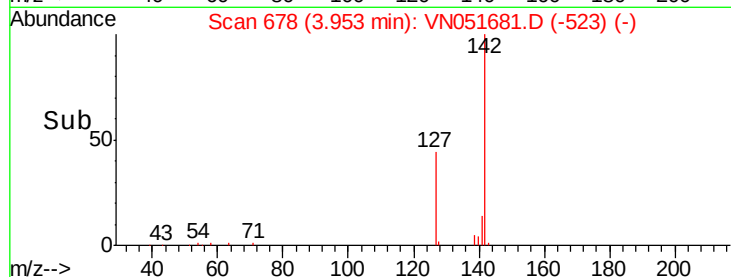
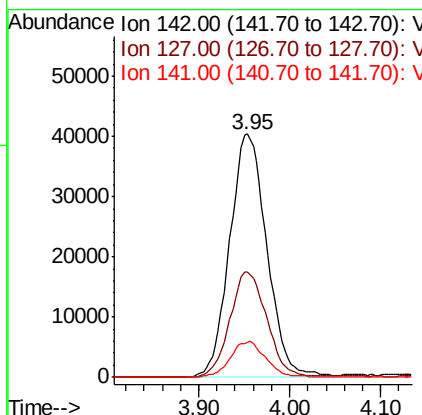
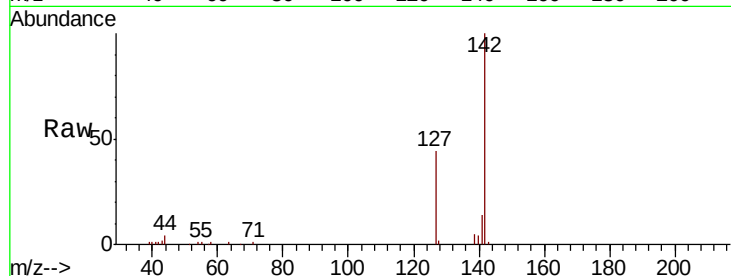
#11
Methvl Iodide
Concen: 18.720 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampled :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.4	19.7	59.0
141	14.1	6.3	18.9

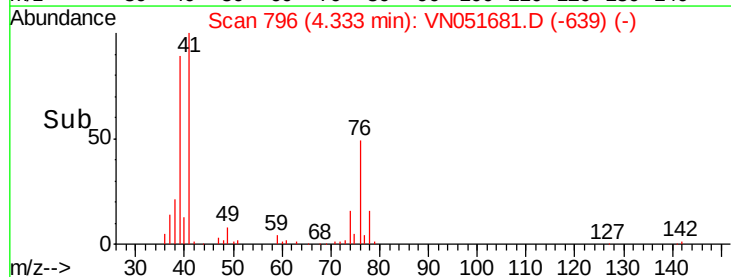
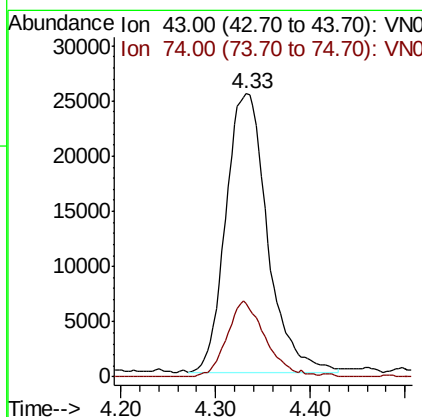
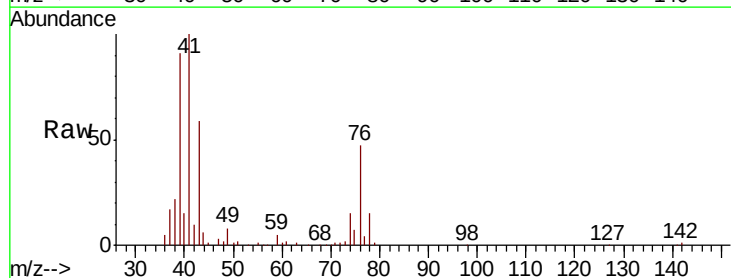
Manual Integrations
APPROVED

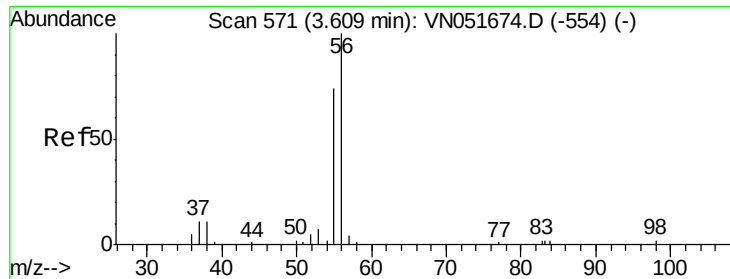
MMDadoda
10/8/2018 3:58:50 PM



#12
Methyl Acetate
Concen: 20.454 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.8	32.6





#13

Acrolein

Concen: 100.905 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 56 Resp: 28017

Ion Ratio Lower Upper

56 100

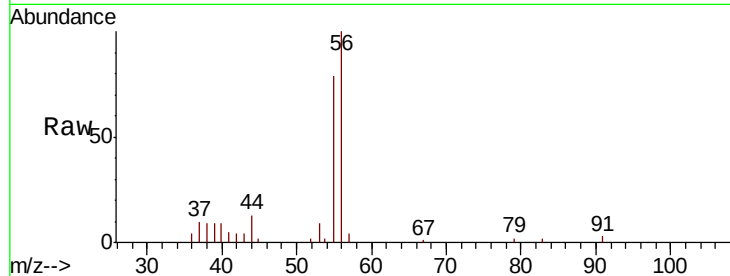
55 67.9 64.0 96.0

Manual Integrations

APPROVED

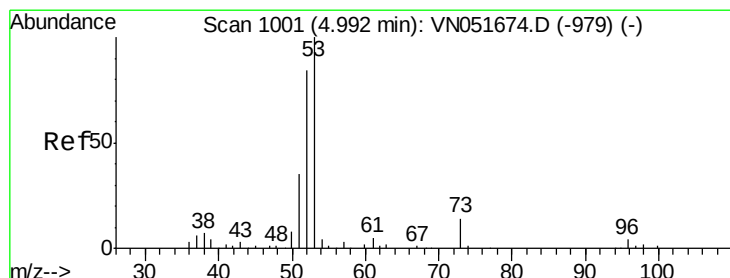
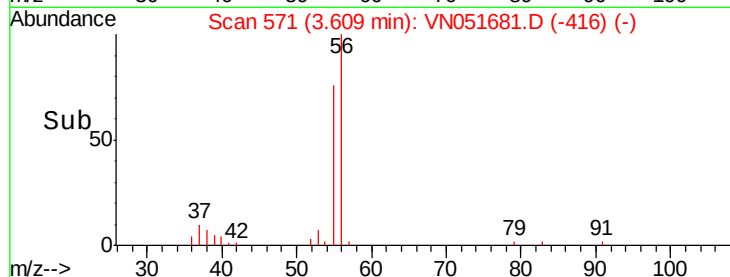
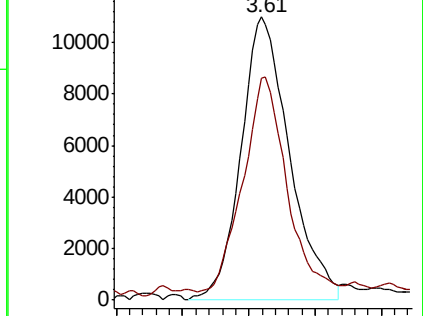
MMDadoda

10/8/2018 3:58:50 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 97.735 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

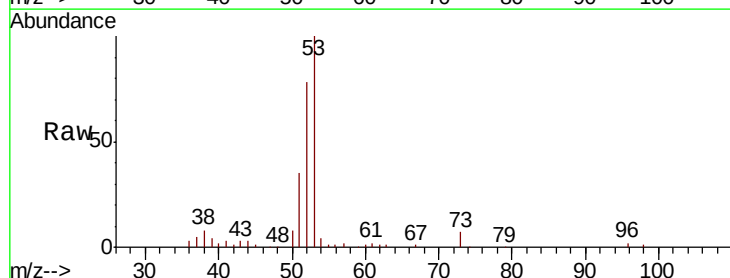
Tgt Ion: 53 Resp: 150712

Ion Ratio Lower Upper

53 100

52 37.1 18.3 54.8

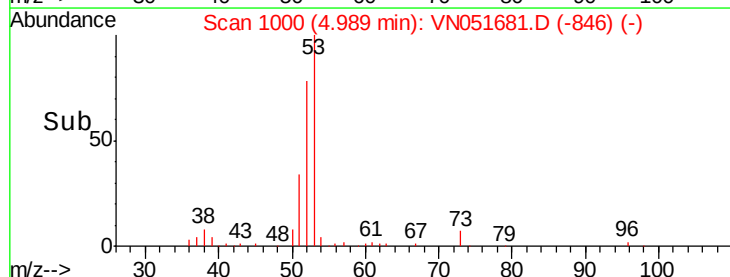
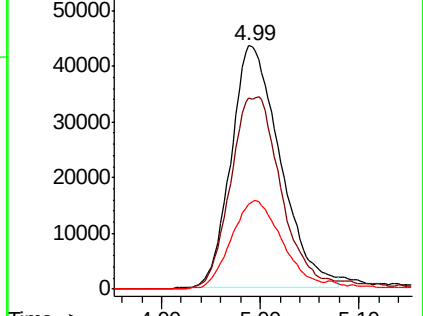
51 36.9 19.7 59.1

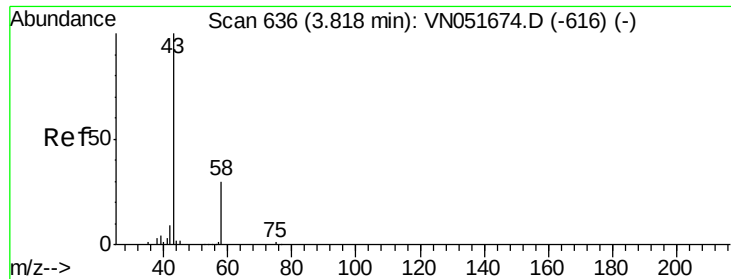


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 100.131 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 58 Resp: 36901

Ion Ratio Lower Upper

58 100

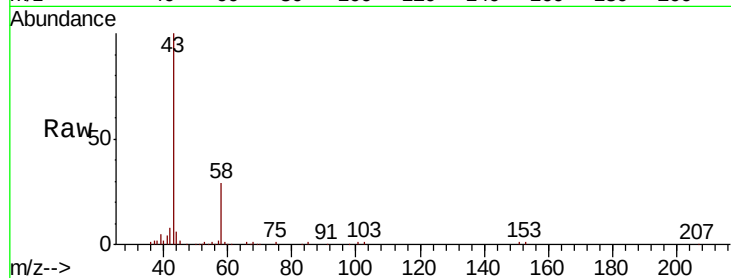
43 338.8 232.2 348.2

Manual Integrations

APPROVED

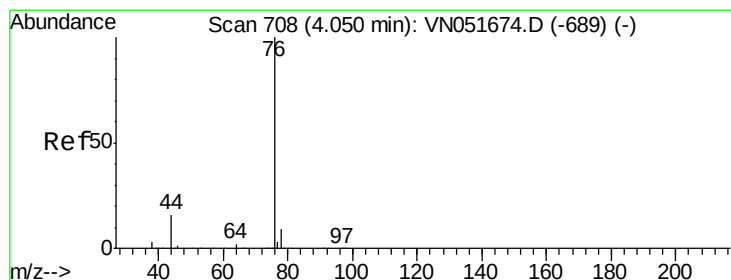
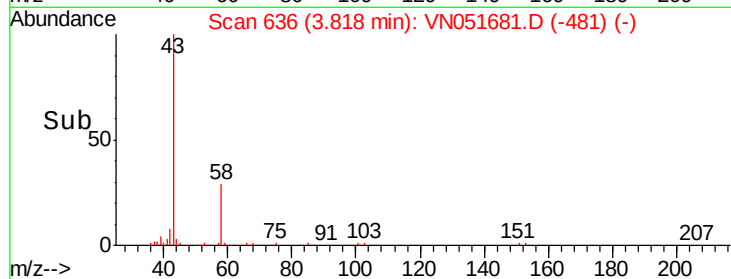
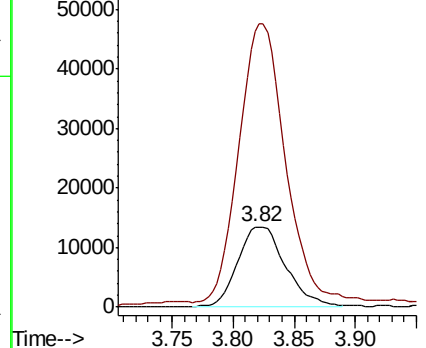
MMDadoda

10/8/2018 3:58:50 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.711 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051681.D

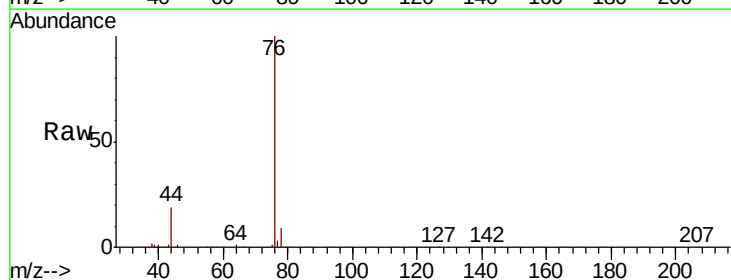
Acq: 5 Oct 2018 12:49

Tgt Ion: 76 Resp: 269840

Ion Ratio Lower Upper

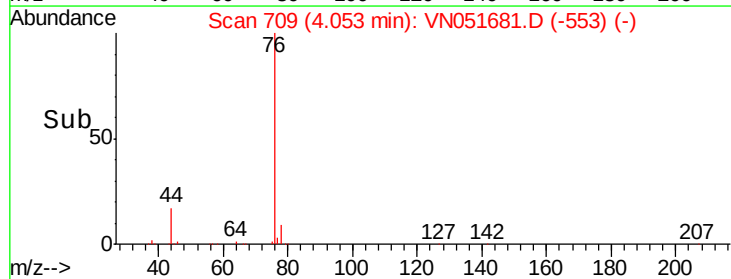
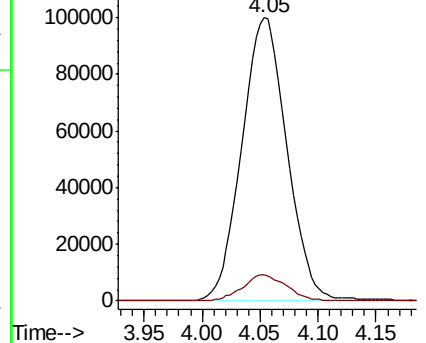
76 100

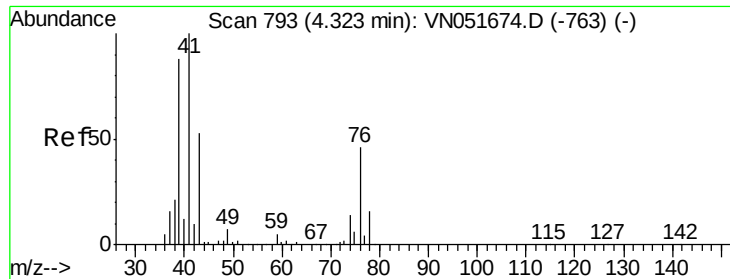
78 9.2 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





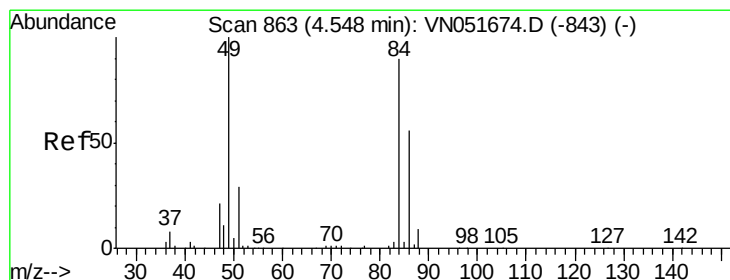
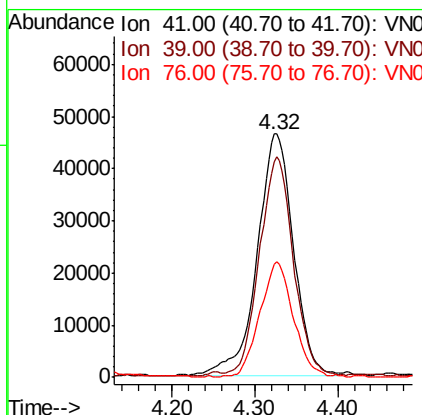
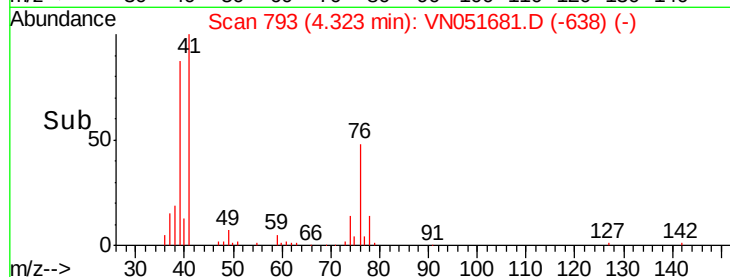
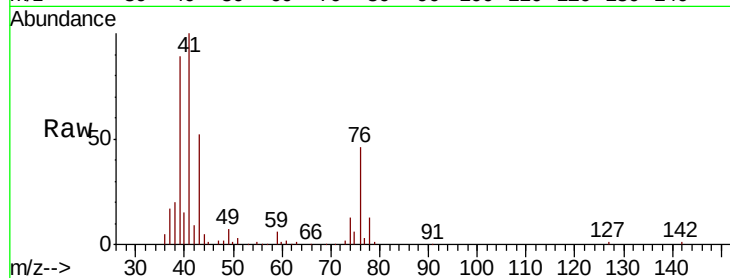
#17
Allvl chloride
Concen: 20.051 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	88.7	32.6	97.8
76	46.3	20.2	60.5

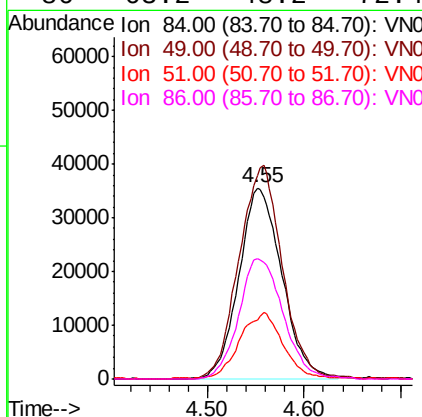
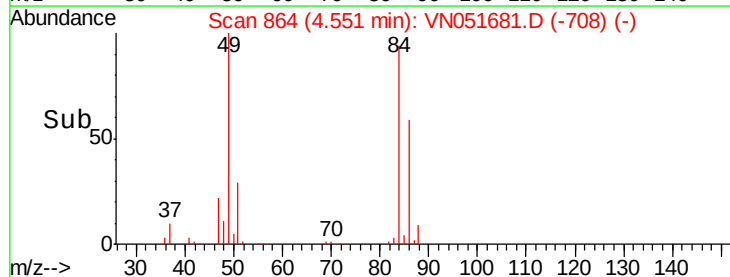
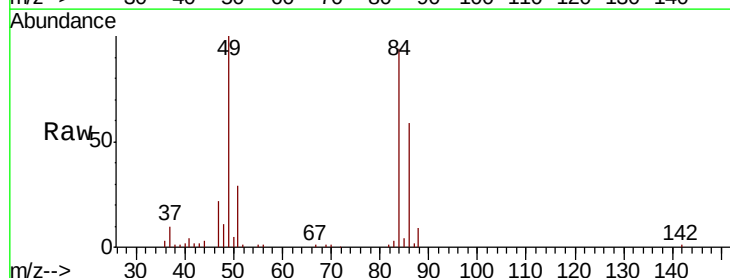
Manual Integrations
APPROVED

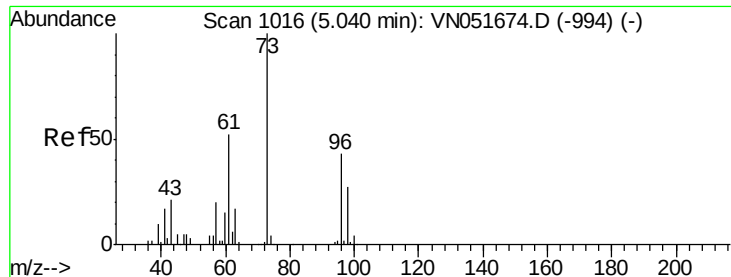
MMDadoda
10/8/2018 3:58:50 PM



#18
Methylene Chloride
Concen: 20.321 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.7	91.6	137.4
51	30.3	29.8	44.6
86	63.2	48.2	72.4





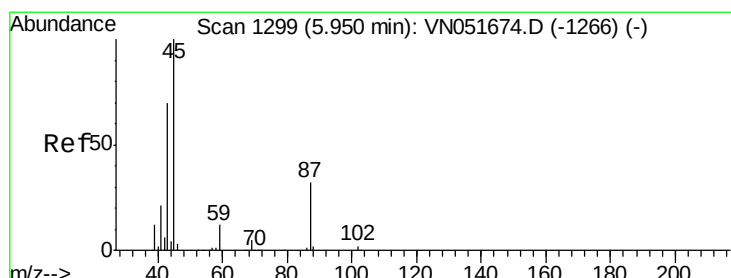
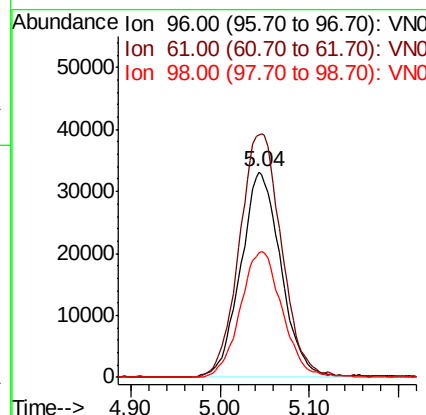
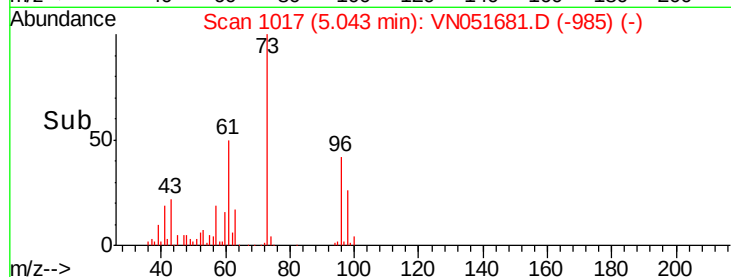
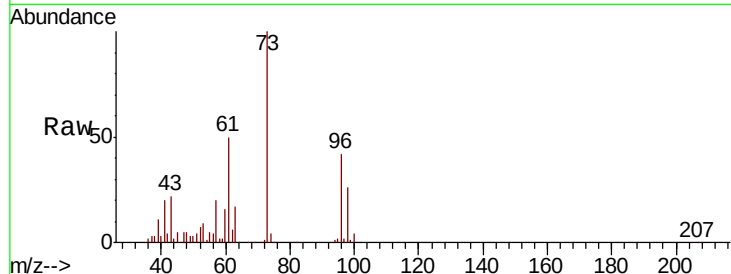
#19
trans-1,2-Dichloroethene
Concen: 19.201 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.9	112.3	168.5
98	60.6	47.1	70.7

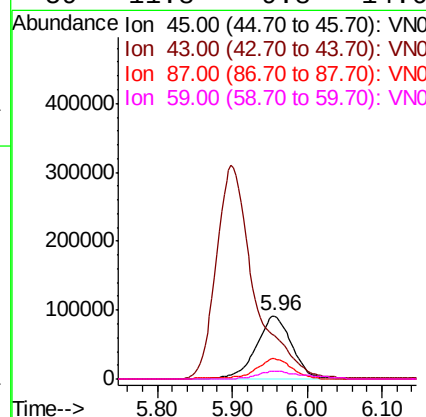
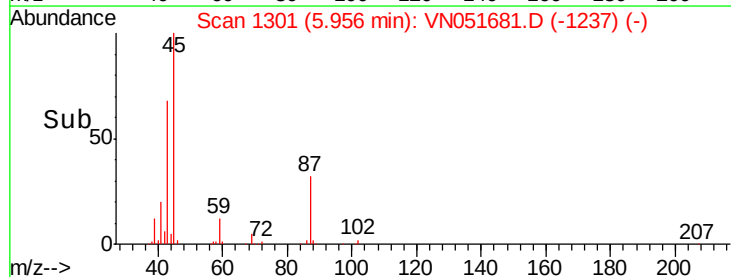
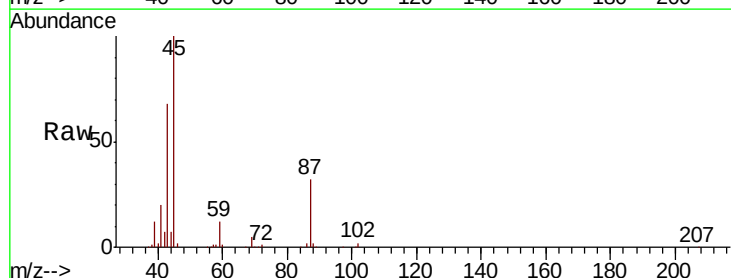
Manual Integrations
APPROVED

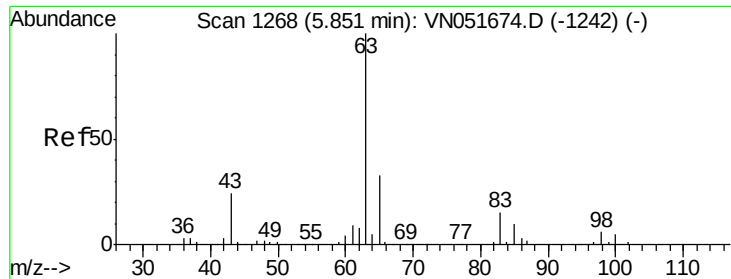
MMDadoda
10/8/2018 3:58:50 PM



#20
Diisopropyl ether
Concen: 19.210 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	62.1	93.1
87	31.9	19.9	29.9#
59	11.8	9.8	14.6





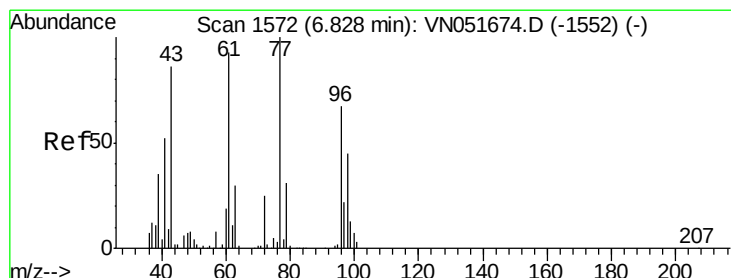
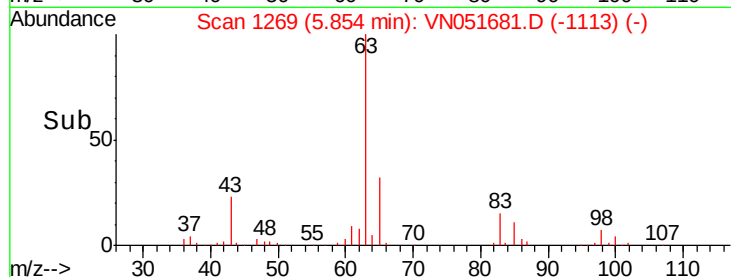
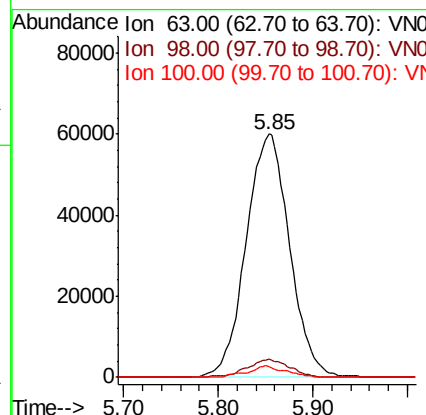
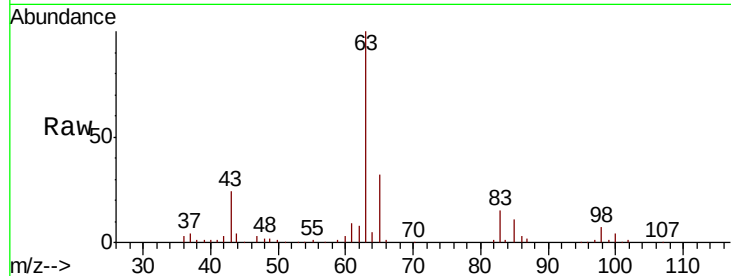
#21
 1,1-Dichloroethane
 Concen: 19.549 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.3	4.1	12.3
100	4.5	1.6	4.7

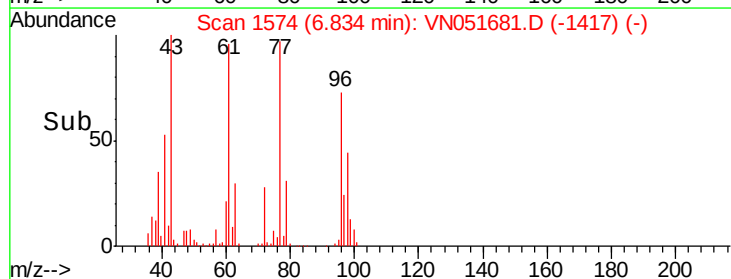
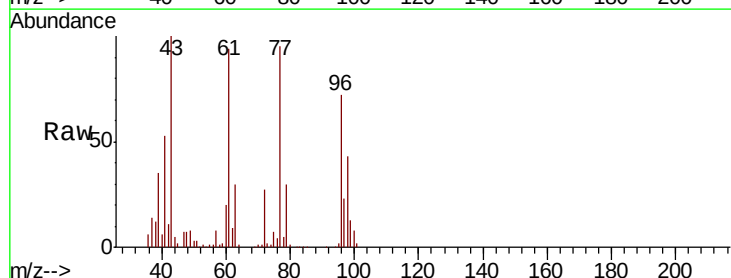
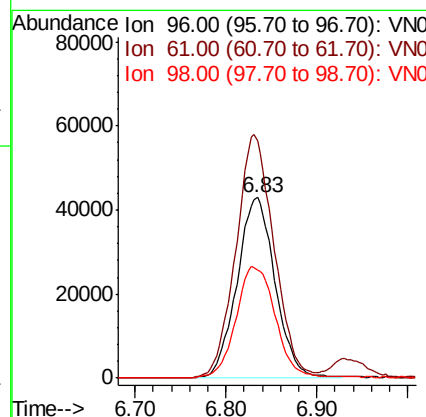
Manual Integrations
 APPROVED

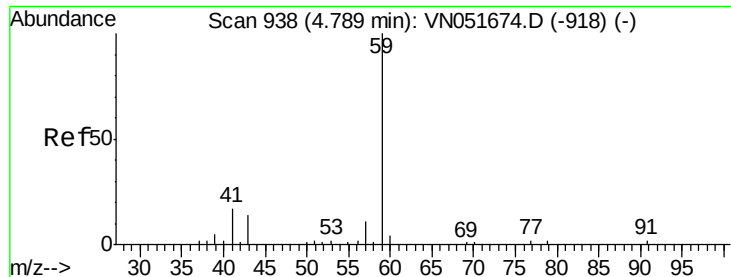
MMDadoda
 10/8/2018 3:58:50 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.670 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	134.3	124.5	186.7
98	64.1	51.9	77.9





#23

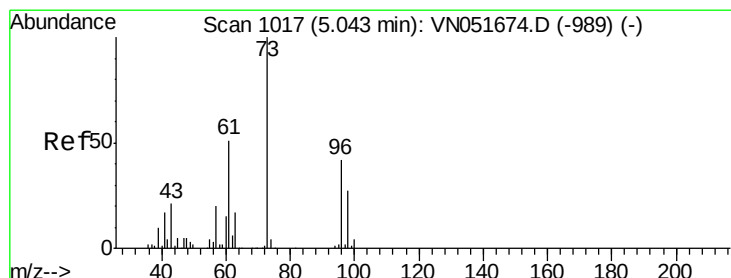
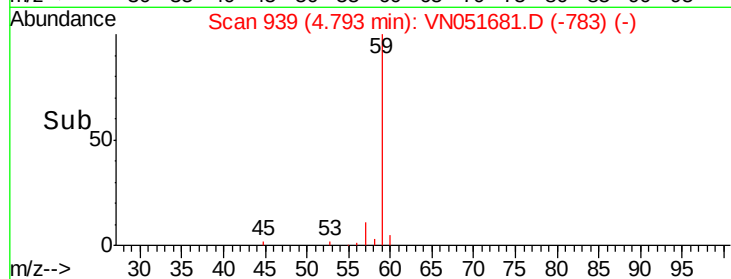
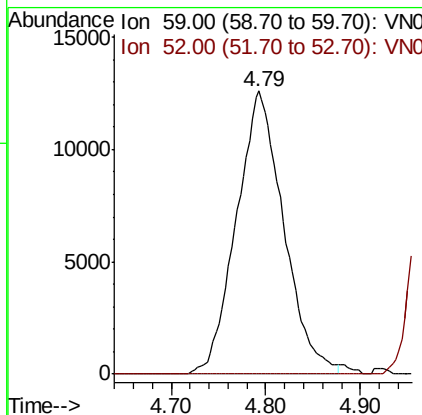
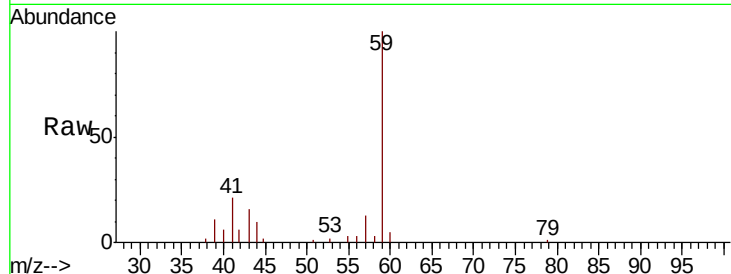
tert-Butyl Alcohol
 Concen: 109.525 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

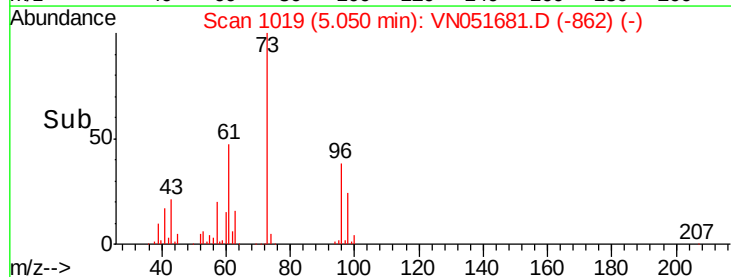
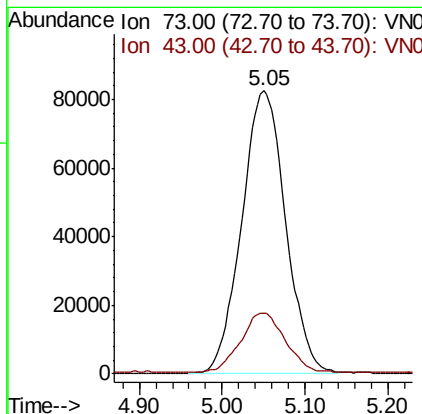
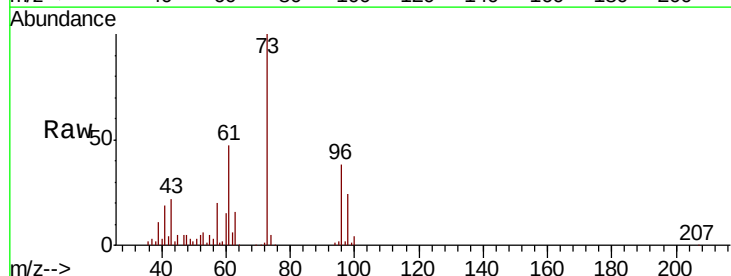
MMDadoda
 10/8/2018 3:58:50 PM

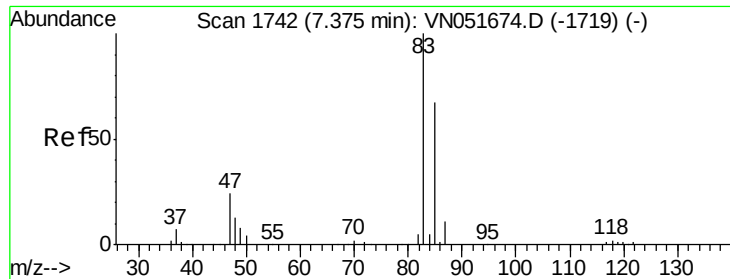


#24

Methyl tert-Butyl Ether
 Concen: 19.797 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.1	5.4	8.0#





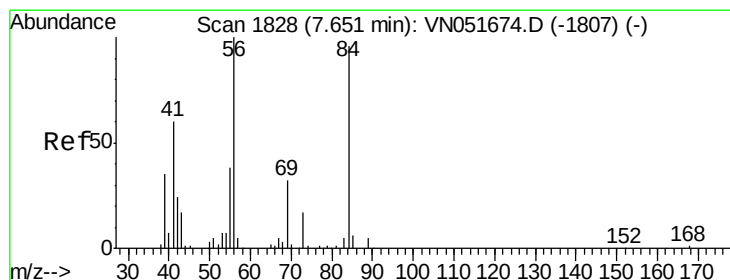
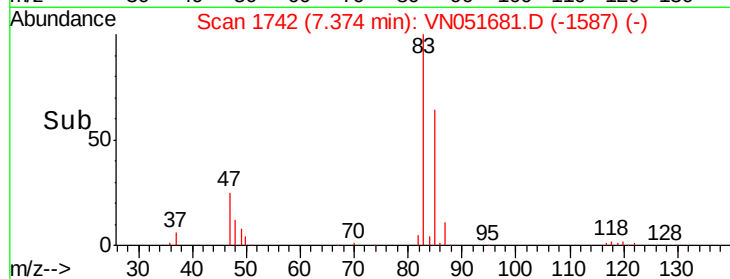
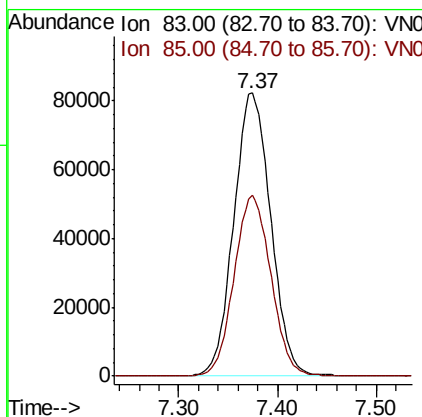
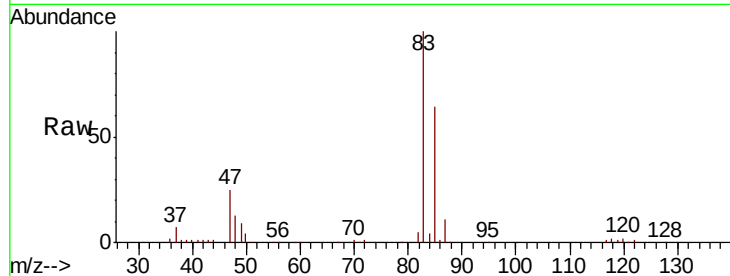
#25
Chloroform
Concen: 19.355 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	83	Resp	214139
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	54.6	82.0

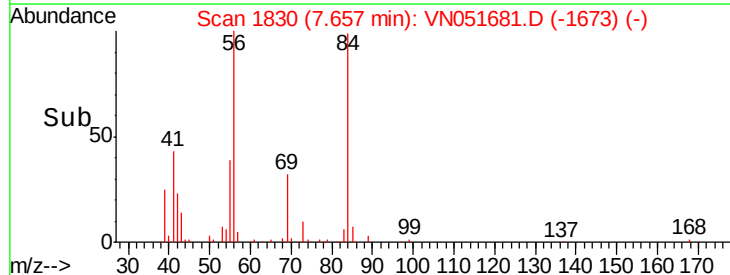
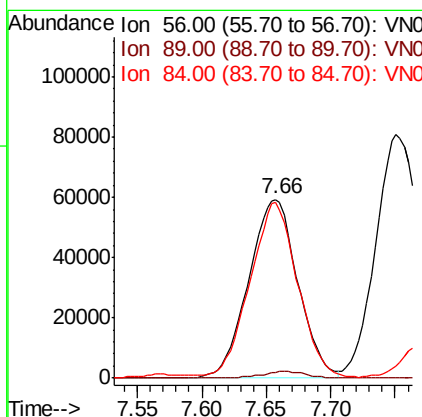
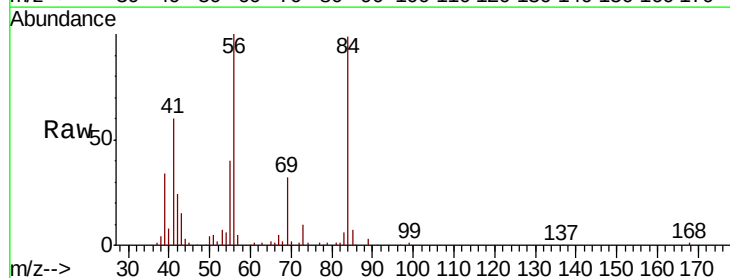
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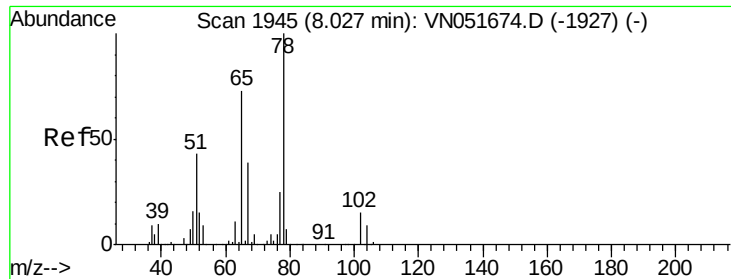
MMDadoda
10/8/2018 3:58:50 PM



#26
Cyclohexane
Concen: 18.792 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	56	Resp	156246
Ion Ratio	100	Lower	Upper
56	100		
89	3.3	1.5	2.3#
84	94.8	64.2	96.4





#27

1,2-Dichloroethane-d4

Concen: 18.792 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 65 Resp: 208209

Ion Ratio Lower Upper

65 100

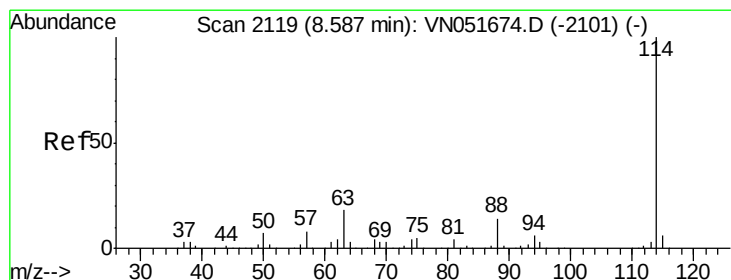
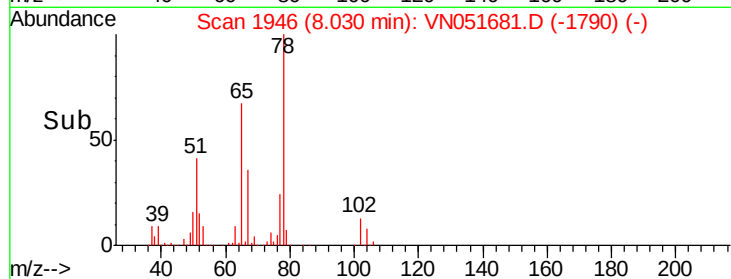
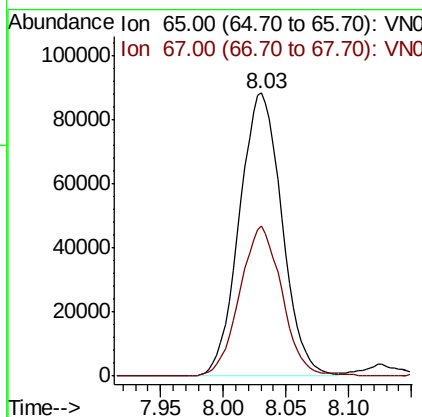
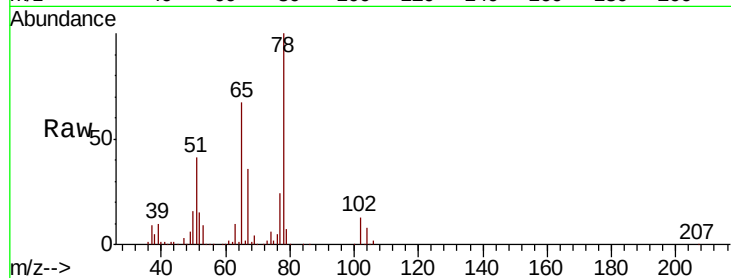
67 52.4 41.8 62.8

Manual Integrations

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10/8/2018 3:58:50 PM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

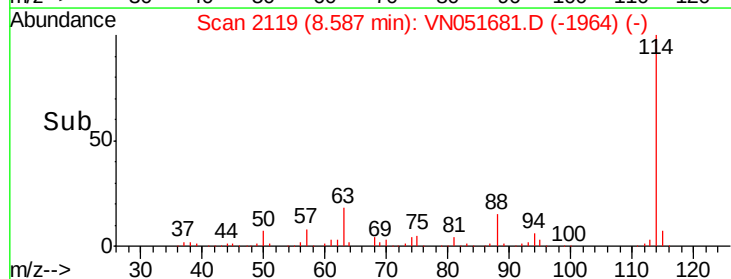
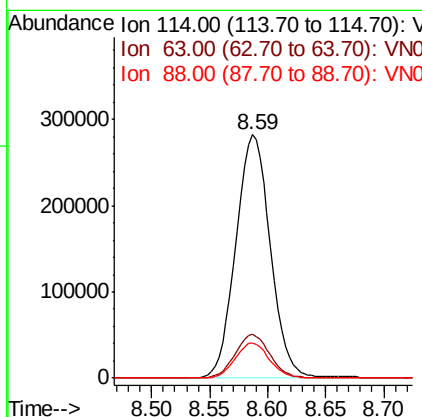
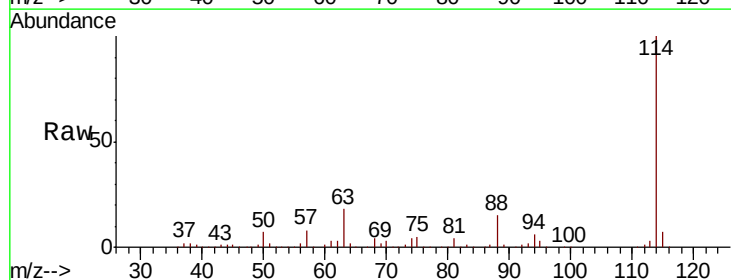
Tgt Ion: 114 Resp: 586151

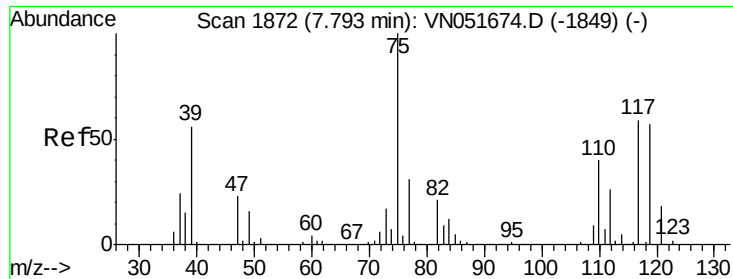
Ion Ratio Lower Upper

114 100

63 18.2 16.2 24.2

88 14.2 12.2 18.4





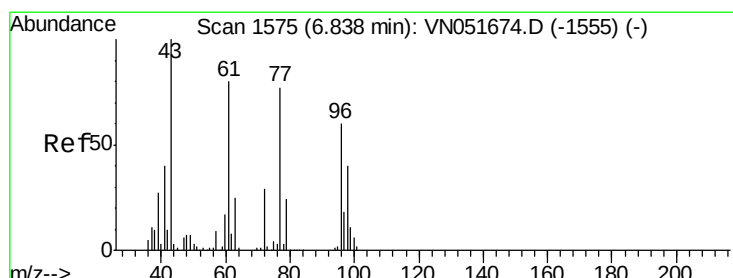
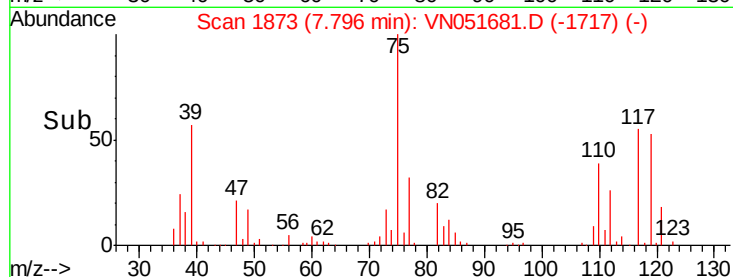
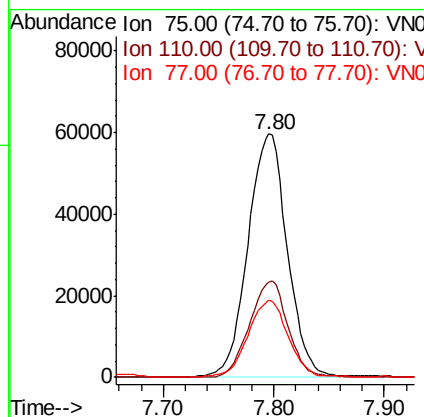
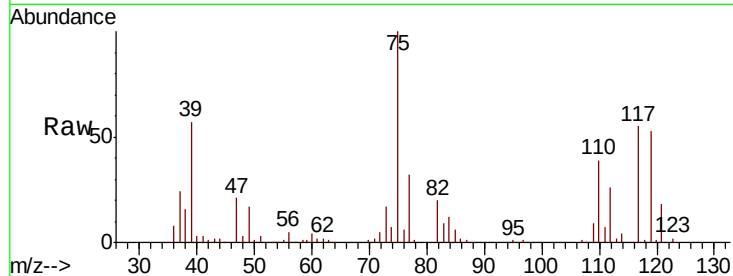
#29
 1,1-Dichloropropene
 Concen: 18.914 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	38.7	0.0	70.8
77	31.8	0.0	61.6

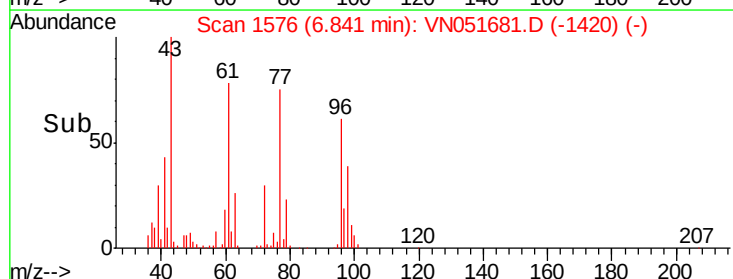
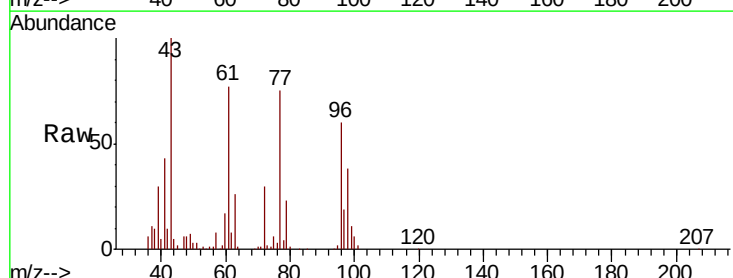
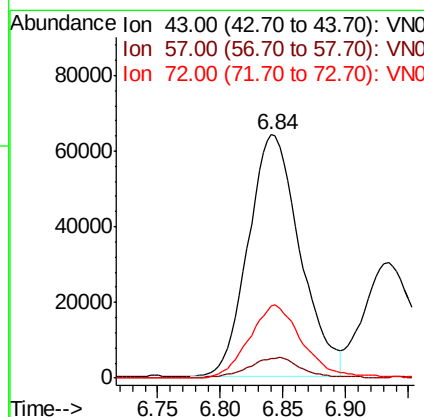
Manual Integrations
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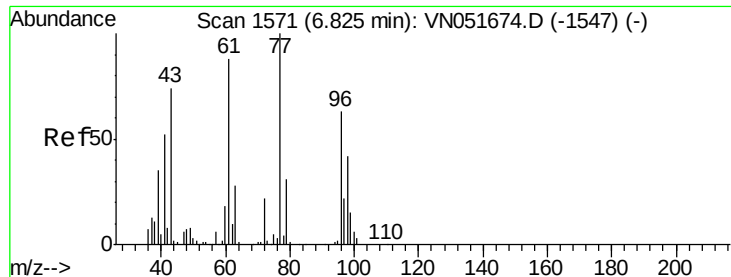
MMDadoda
 10/8/2018 3:58:50 PM



#30
 2-Butanone
 Concen: 96.482 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.6	4.5	6.7#
72	30.7	21.5	32.3





#31

2,2-Dichloropropane

Concen: 19.704 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 77 Resp: 191234

Ion Ratio Lower Upper

77 100

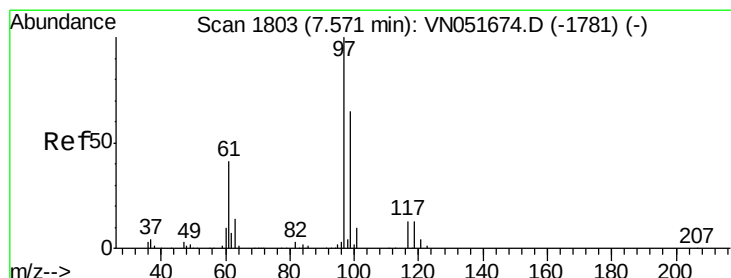
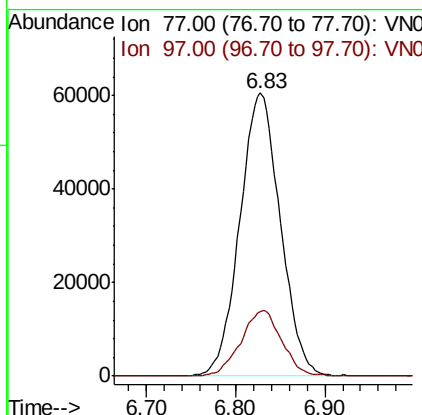
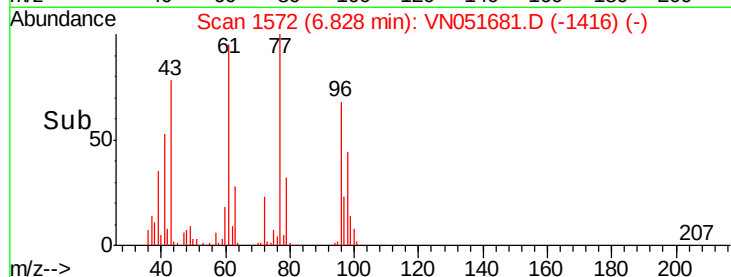
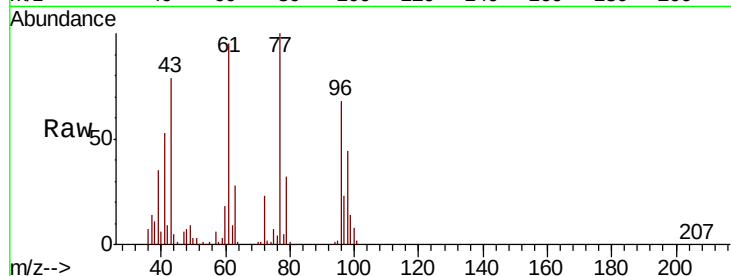
97 23.5 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.073 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

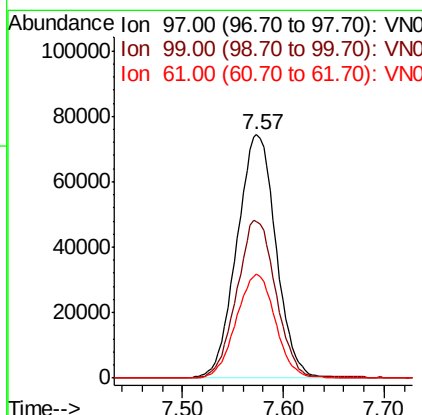
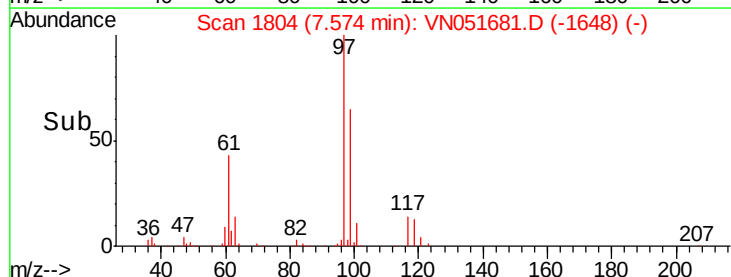
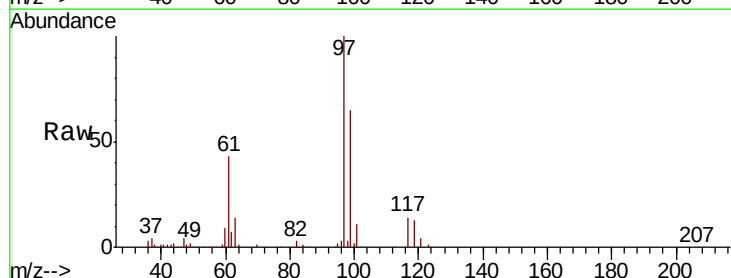
Tgt Ion: 97 Resp: 199812

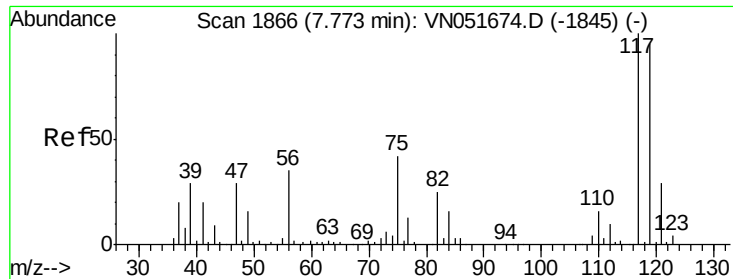
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 42.4 37.4 56.0





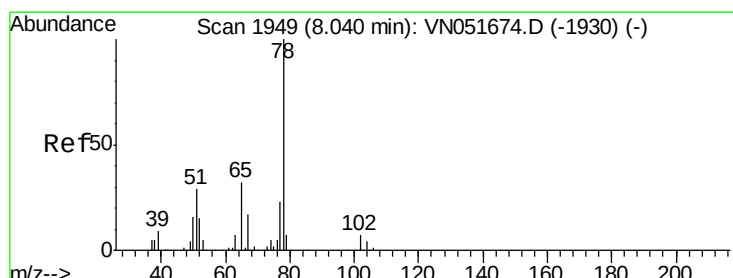
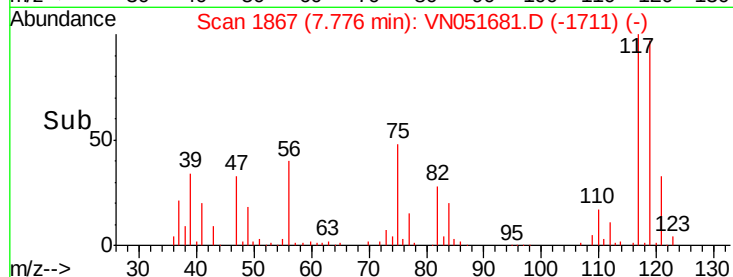
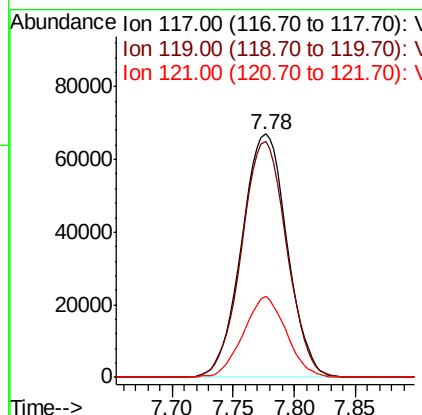
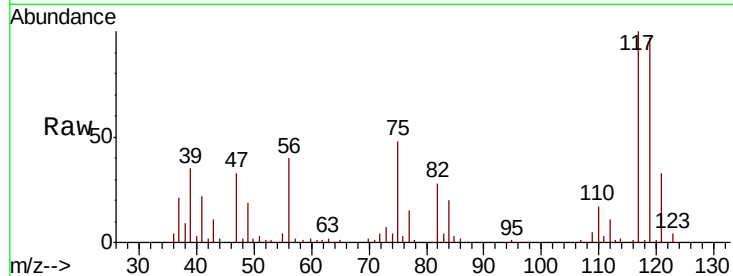
#33
Carbon Tetrachloride
Concen: 18.238 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	85.1	127.7
121	33.0	24.2	36.2

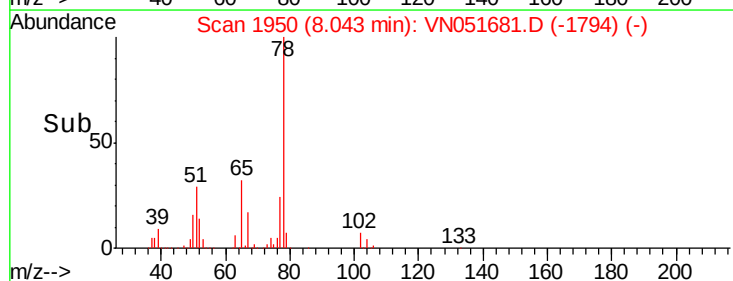
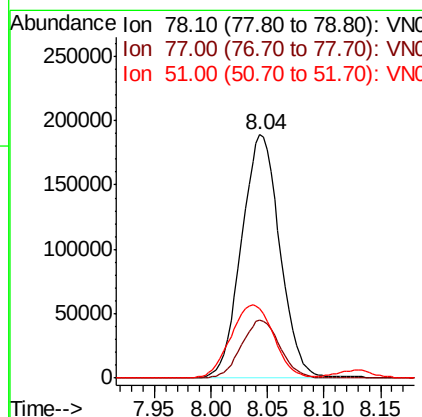
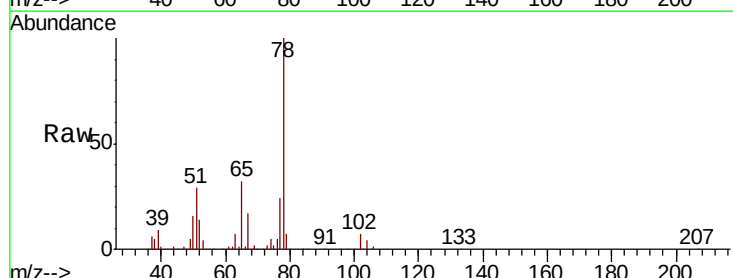
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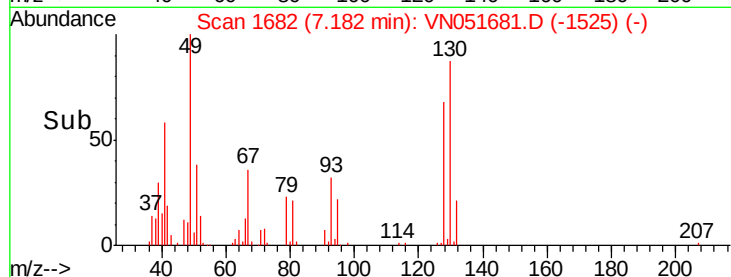
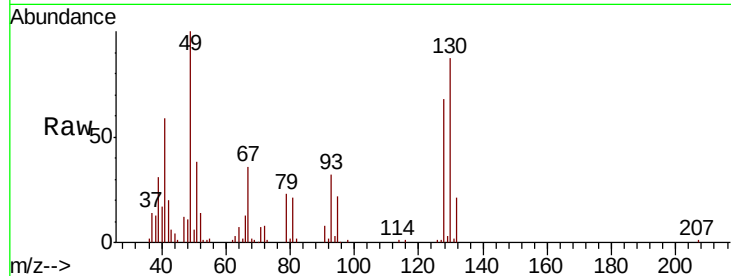
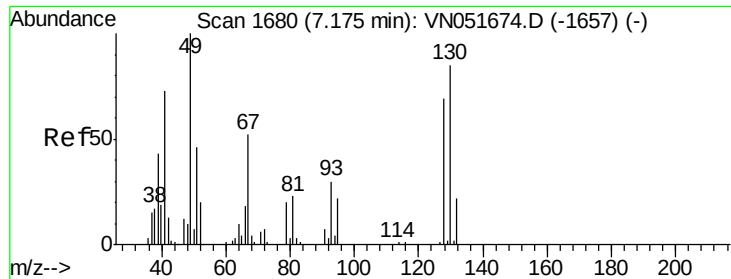
MMDadoda
10/8/2018 3:58:50 PM



#34
Benzene
Concen: 18.917 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2
51	28.4	46.2	69.4#





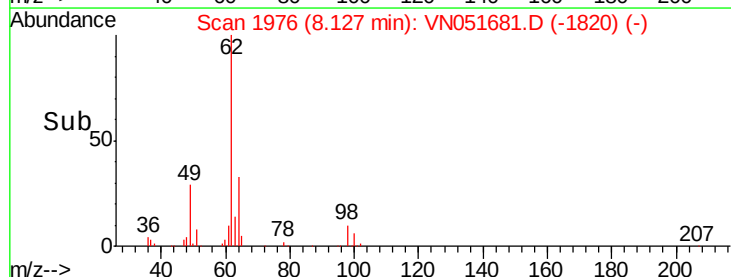
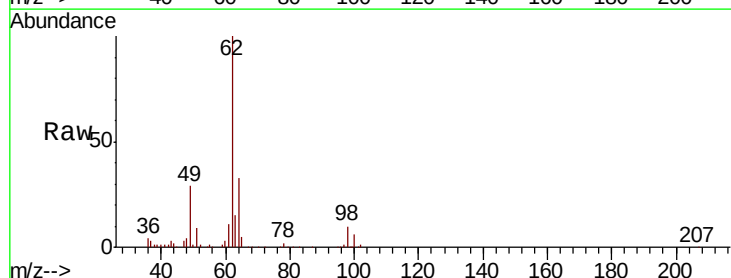
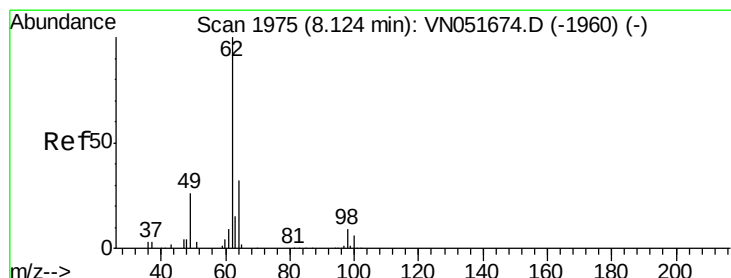
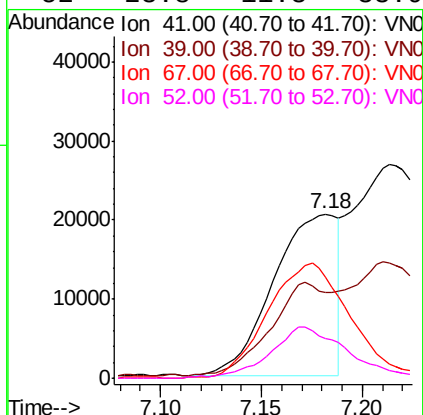
#35
Methacrylonitrile
Concen: 21.511 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.4	22.6	67.7
67	61.6	28.9	86.8
52	23.8	11.3	33.9

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

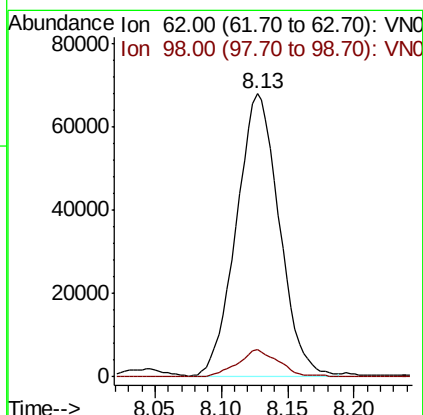
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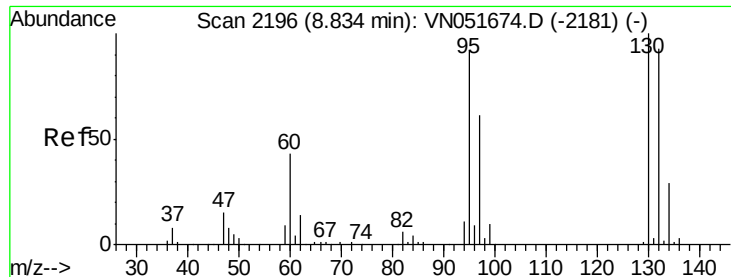
MMDadoda
10/8/2018 3:58:50 PM



#36
1,2-Dichloroethane
Concen: 19.280 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	6.9	10.3





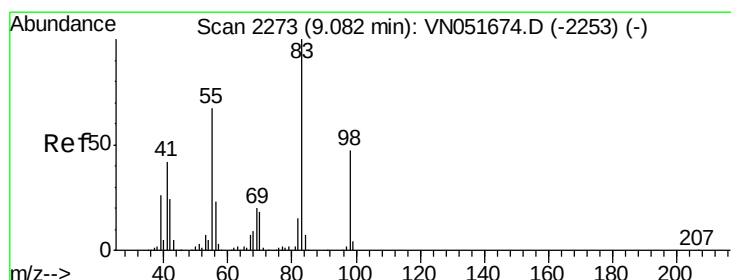
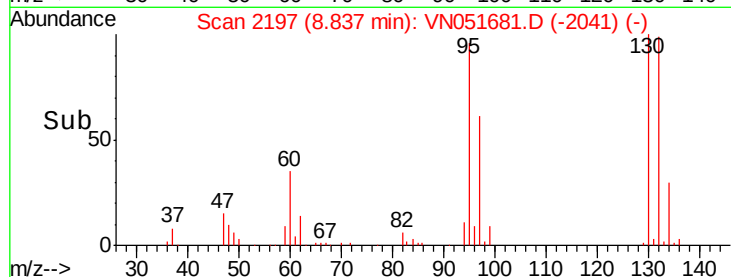
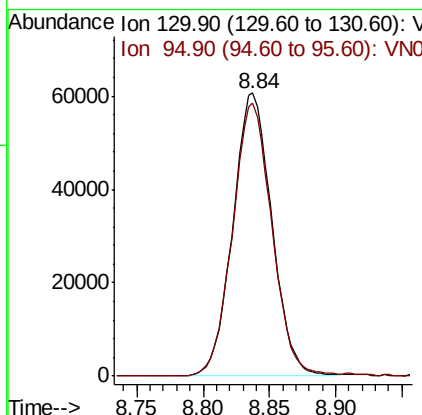
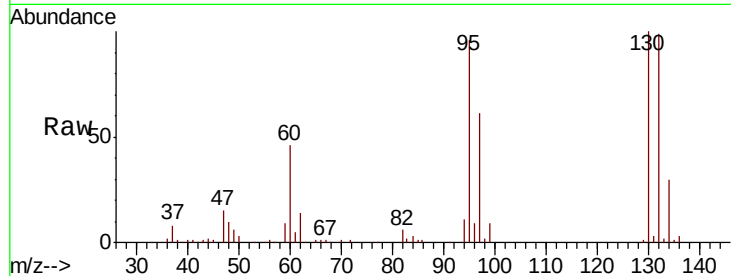
#37
 Trichloroethene
 Concen: 18.895 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion:130 Resp: 123818
 Ion Ratio Lower Upper
 130 100
 95 96.3 76.4 114.6

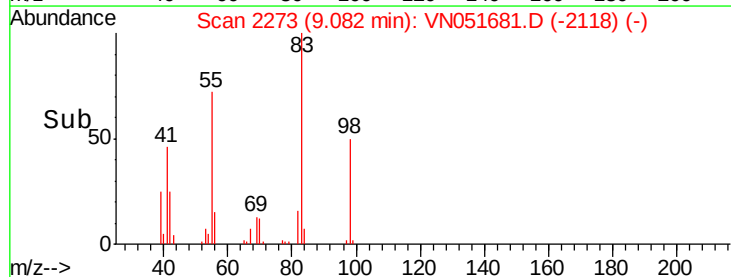
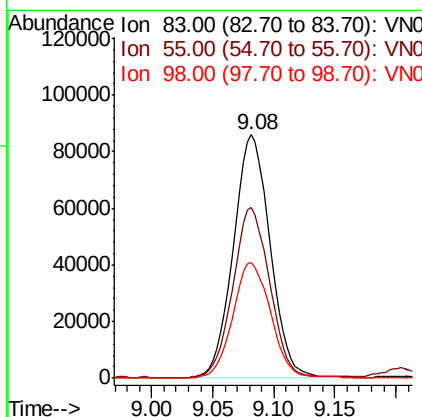
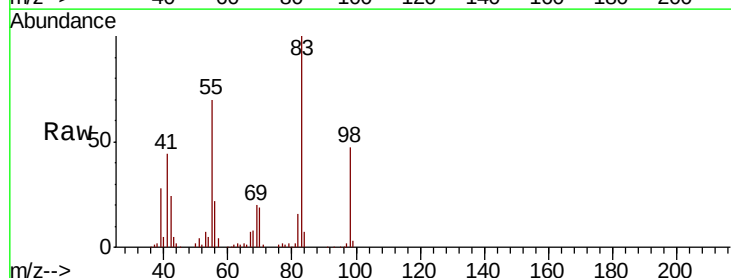
Manual Integrations
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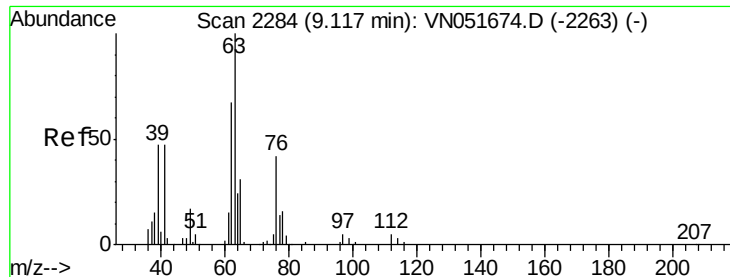
MMDadoda
 10/8/2018 3:58:50 PM



#38
 Methylcyclohexane
 Concen: 18.260 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion: 83 Resp: 180141
 Ion Ratio Lower Upper
 83 100
 55 69.4 43.0 129.2
 98 48.4 21.3 63.7





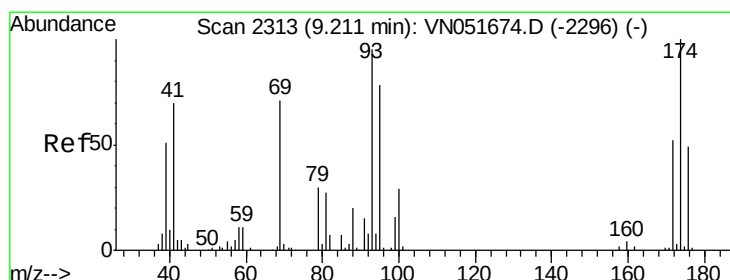
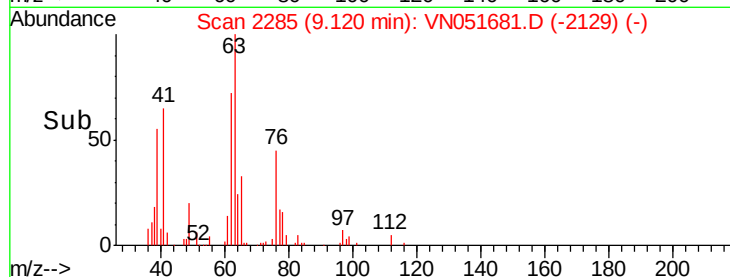
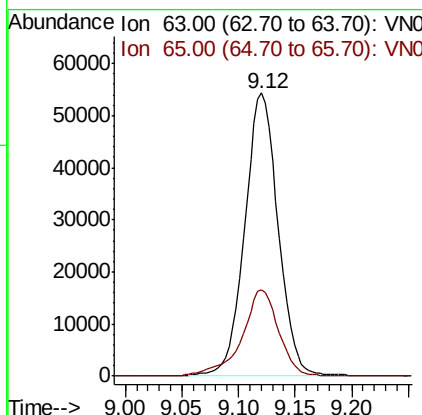
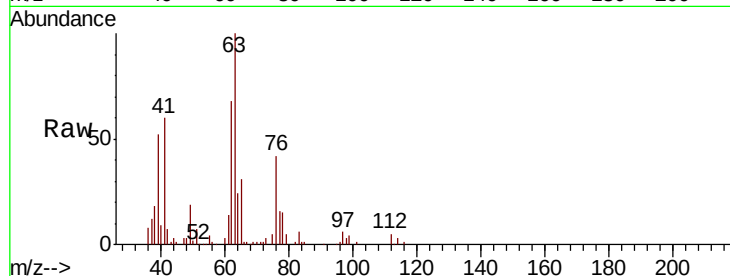
#39
 1,2-Dichloropropane
 Concen: 19.331 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.2	34.8

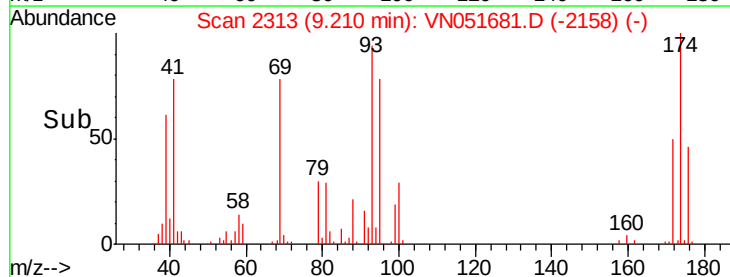
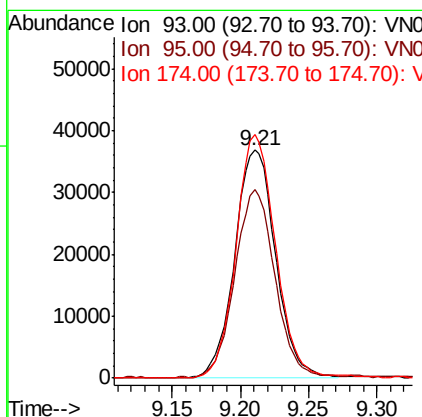
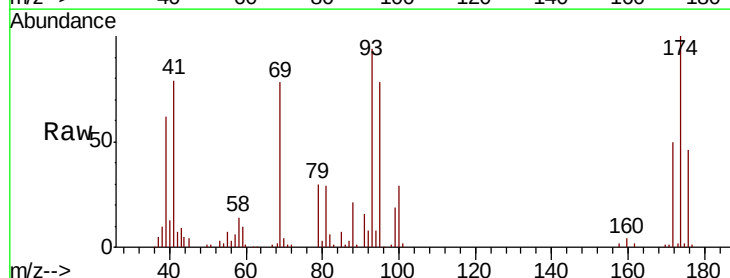
Manual Integrations
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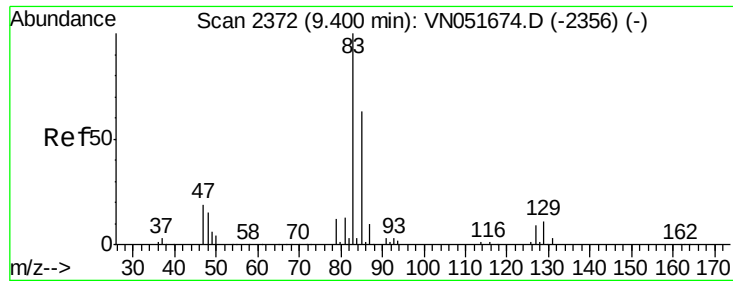
MMDadoda
 10/8/2018 3:58:50 PM



#40
 Dibromomethane
 Concen: 19.303 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.5	0.0	162.0
174	103.6	0.0	214.0





#41

Bromodichloromethane

Concen: 18.904 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

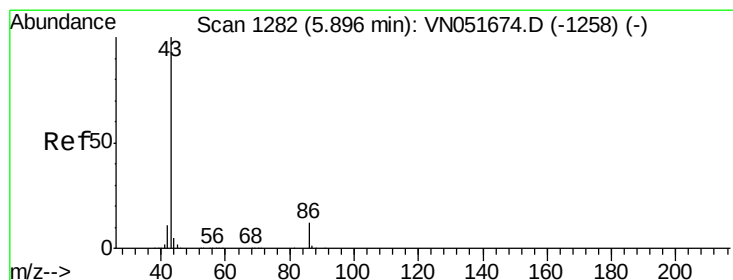
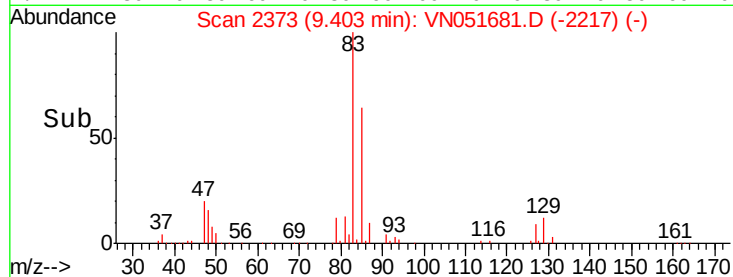
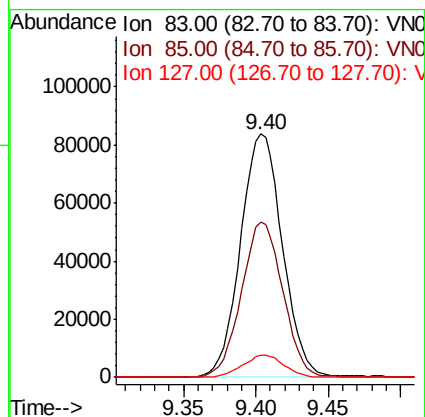
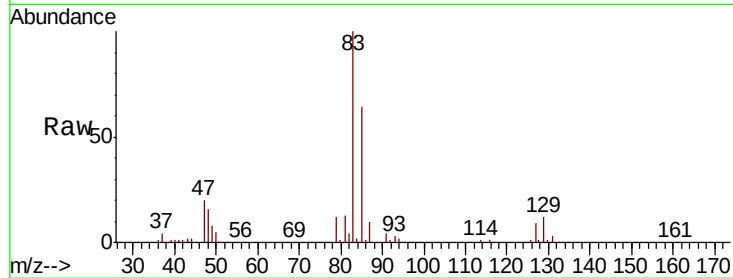
ClientSampleId :

VN1005WBS01

Tot Ion:	83	Resp:	168465
Ion	Ratio	Lower	Upper
83	100		
85	64.0	55.7	83.5
127	10.2	8.2	12.4

Manual Integrations
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10/8/2018 3:58:50 PM



#42

Vinyl Acetate

Concen: 97.343 ug/l

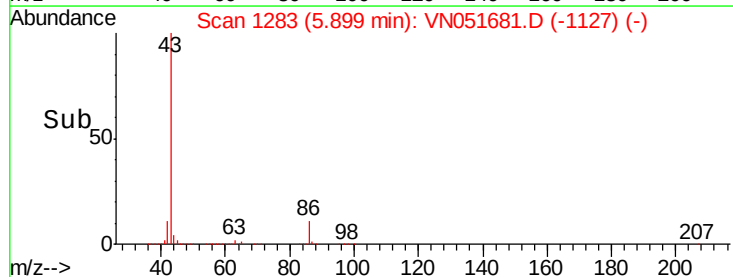
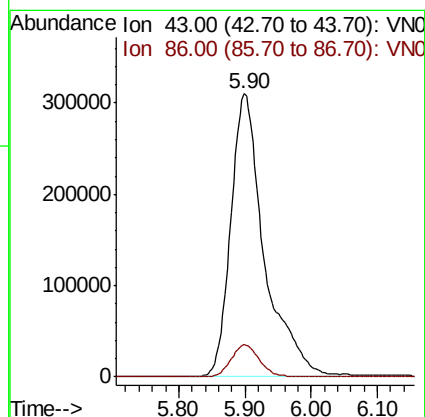
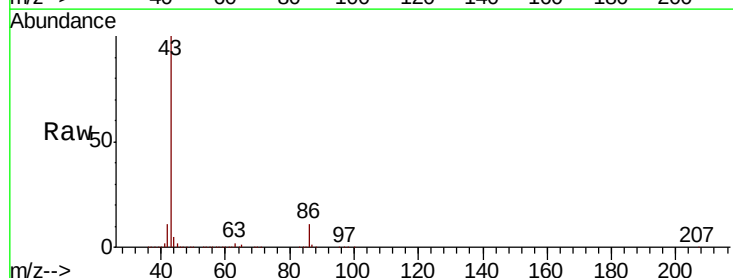
RT: 5.90 min Scan# 1283

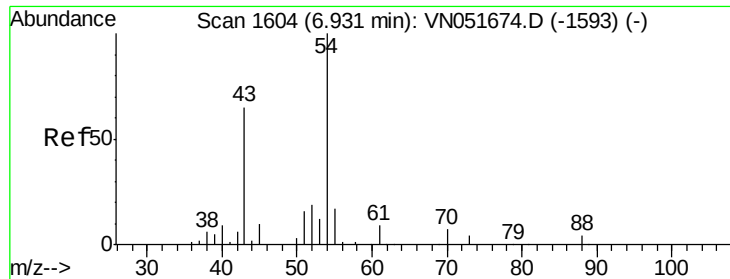
Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Tgt Ion:	43	Resp:	1088237
Ion	Ratio	Lower	Upper
43	100		
86	9.6	6.5	9.7





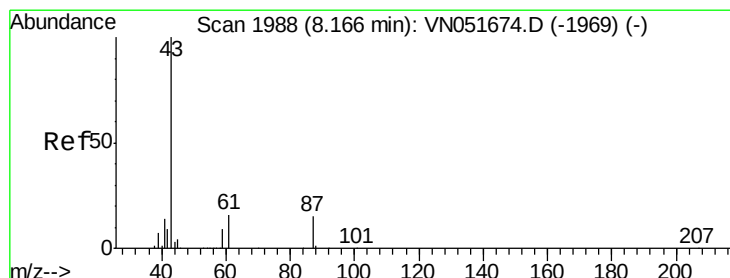
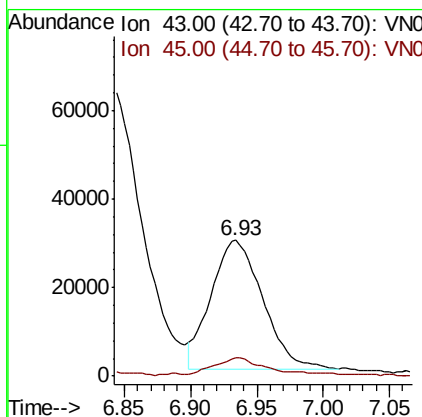
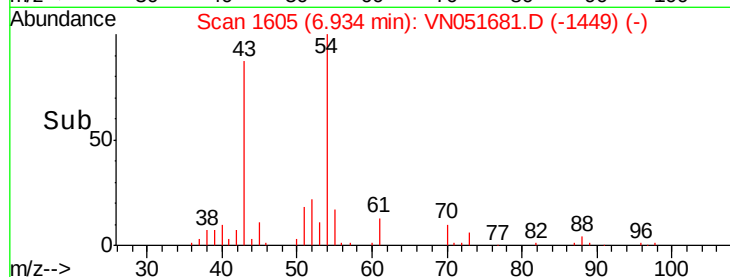
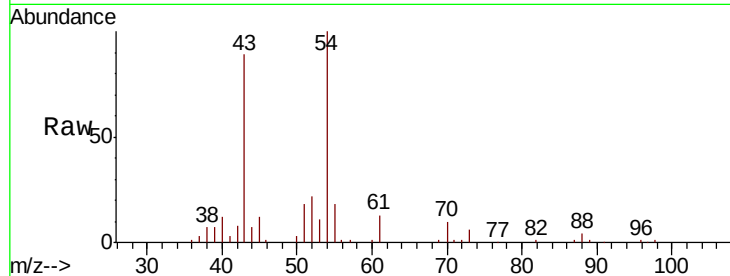
#43
Ethyl Acetate
Concen: 19.854 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion: 43 Resp: 79263
Ion Ratio Lower Upper
43 100
45 10.5 11.0 16.6#

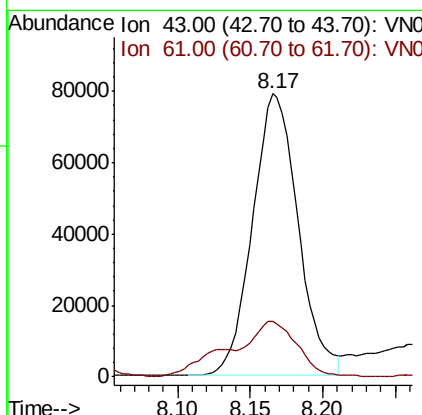
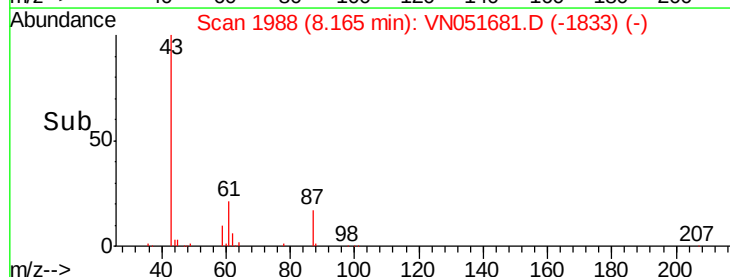
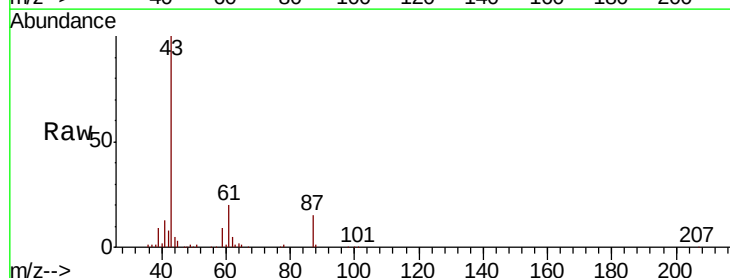
Manual Integrations
APPROVED

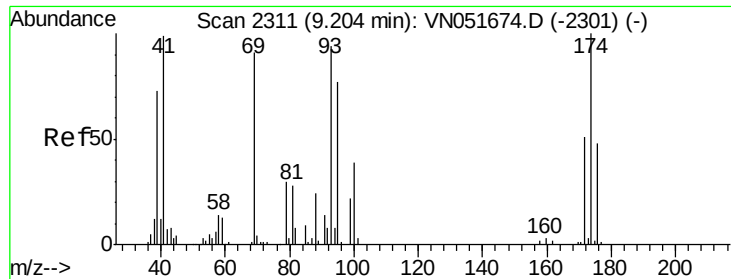
MMDadoda
10/8/2018 3:58:50 PM



#44
Isopropyl Acetate
Concen: 19.578 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 43 Resp: 172866
Ion Ratio Lower Upper
43 100
61 19.1 15.9 23.9





#45

1,4-Dioxane

Concen: 390.194 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

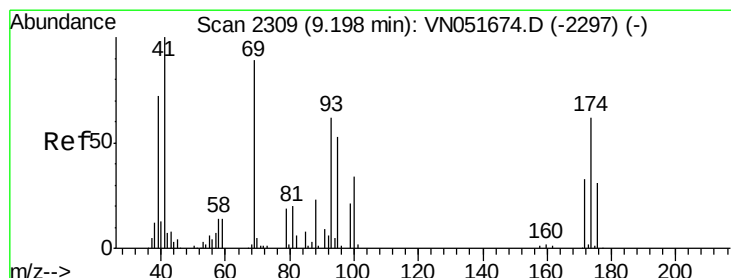
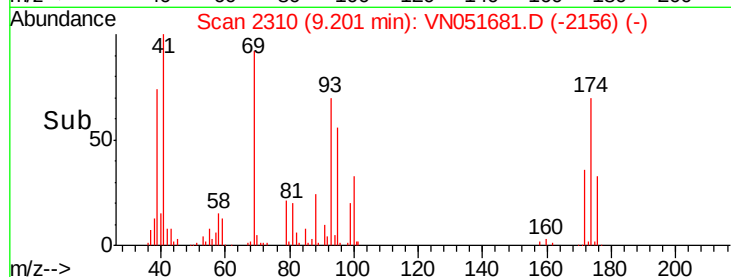
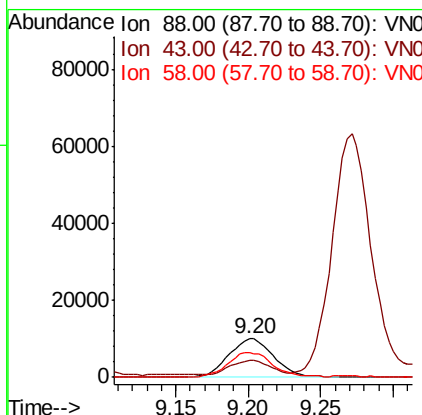
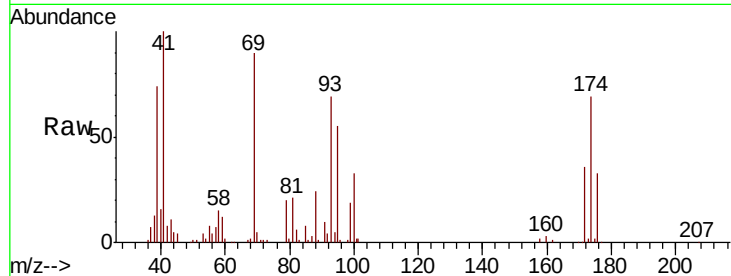
ClientSampleId :

VN1005WBS01

Tot Ion:	88	Resp:	21768
Ion	Ratio	Lower	Upper
88	100		
43	31.5	26.2	39.2
58	63.8	65.6	98.4#

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:50 PM



#46

Methyl methacrylate

Concen: 19.834 ug/l

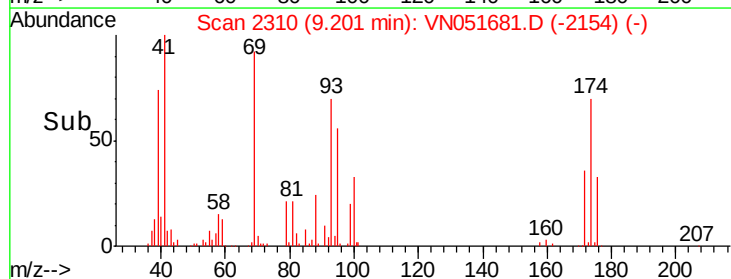
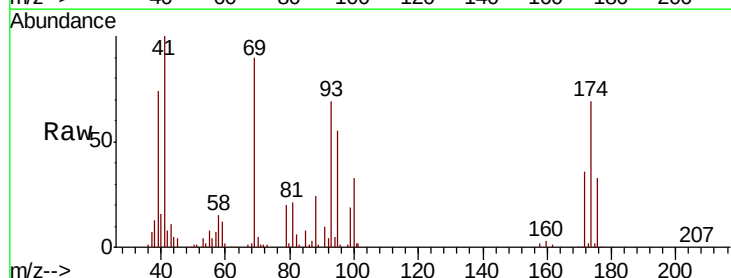
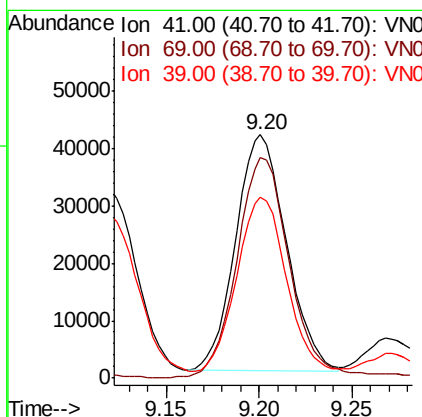
RT: 9.20 min Scan# 2310

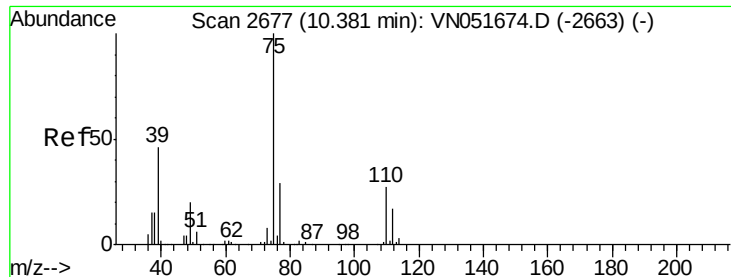
Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Tgt Ion:	41	Resp:	78071
Ion	Ratio	Lower	Upper
41	100		
69	92.5	40.7	122.1
39	73.6	27.3	81.9





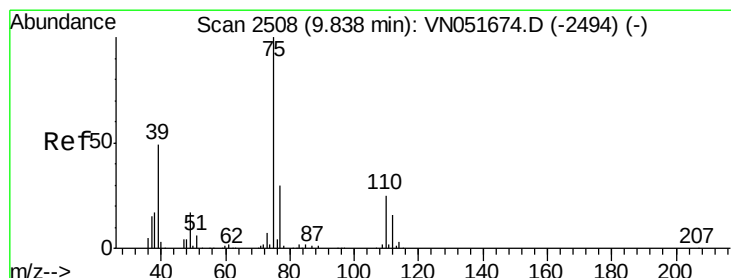
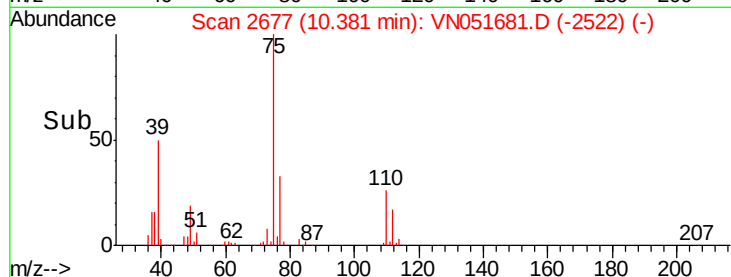
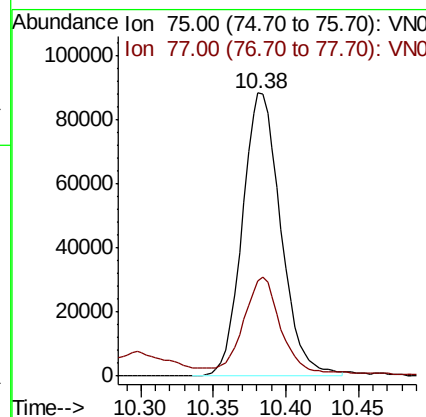
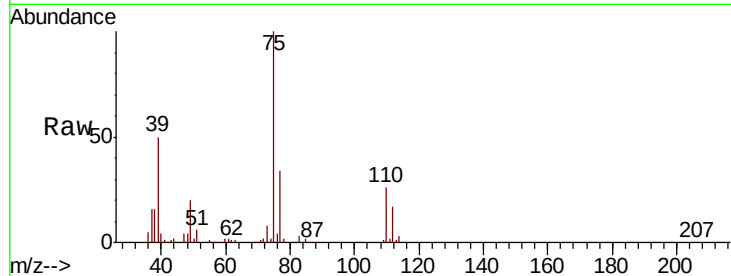
#48
t-1,3-Dichloropropene
Concen: 18.090 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	37.0

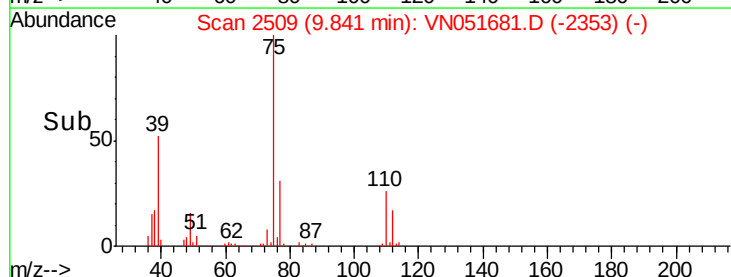
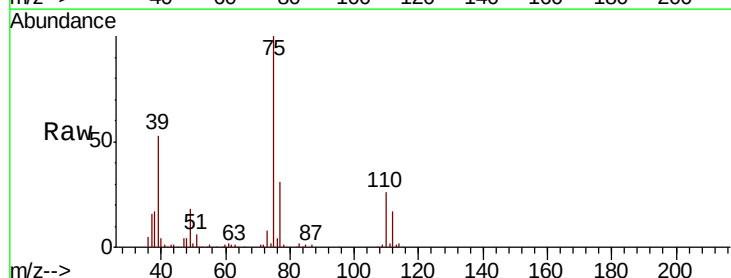
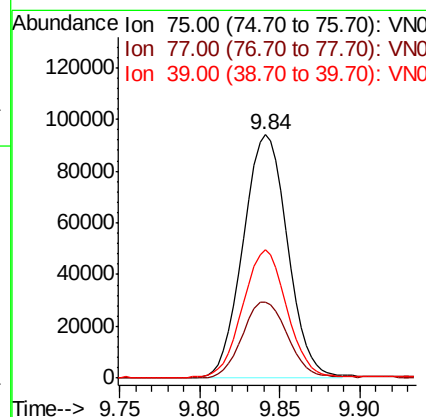
Manual Integrations
APPROVED

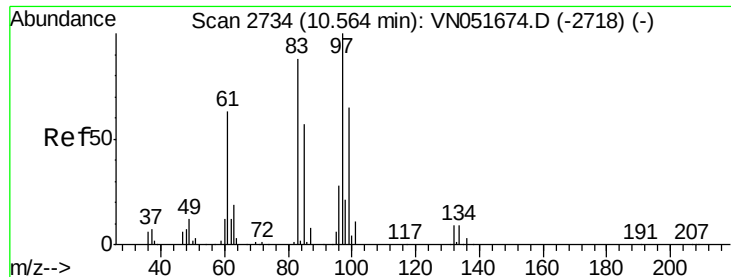
MMDadoda
10/8/2018 3:58:50 PM



#49
cis-1,3-Dichloropropene
Concen: 18.429 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.2	34.8
39	52.1	34.6	52.0#





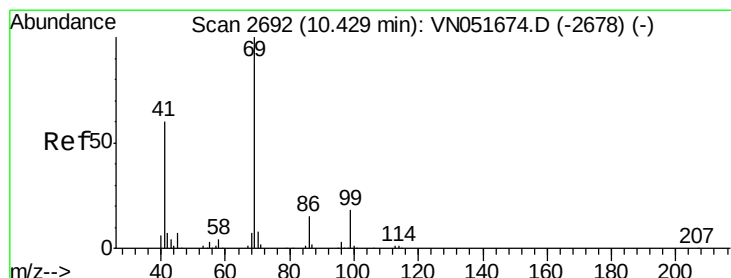
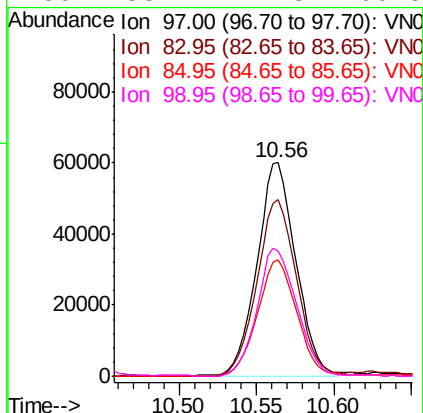
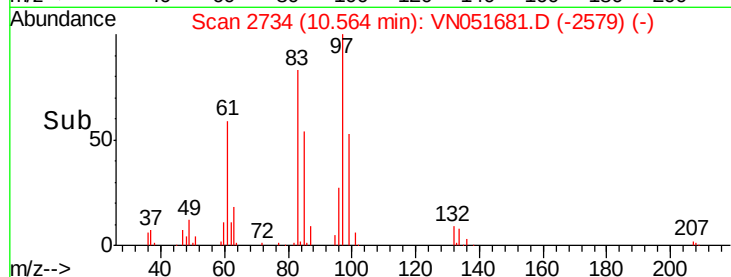
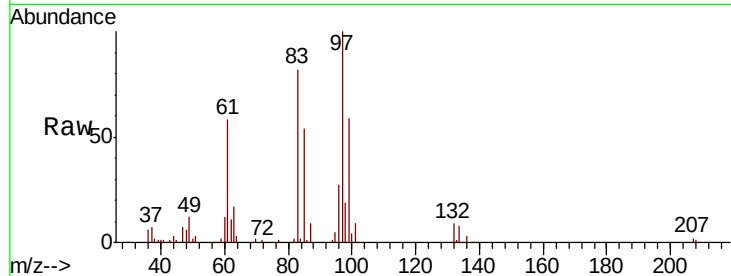
#50
 1,1,2-Trichloroethane
 Concen: 18.708 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion:	97	Resp:	105356
Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.2	102.4
85	54.4	42.5	63.7
99	58.4	44.3	66.5

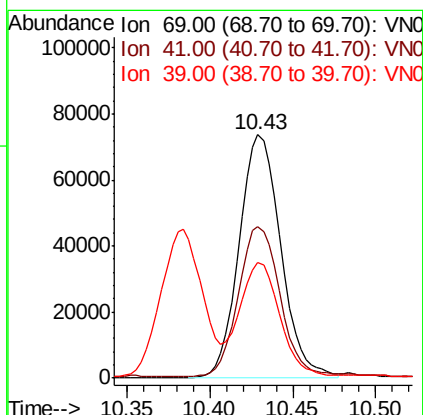
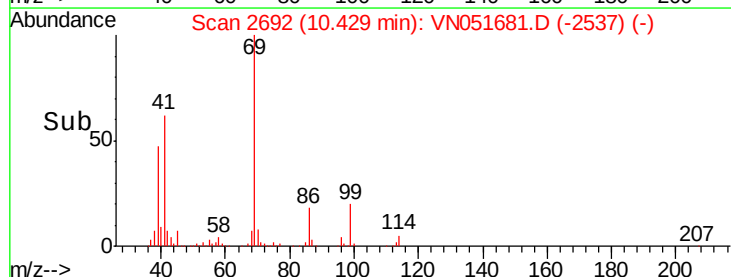
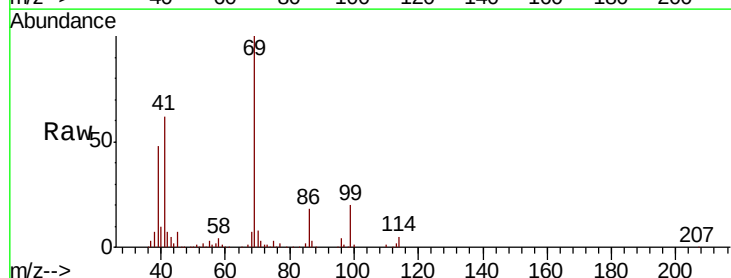
Manual Integrations
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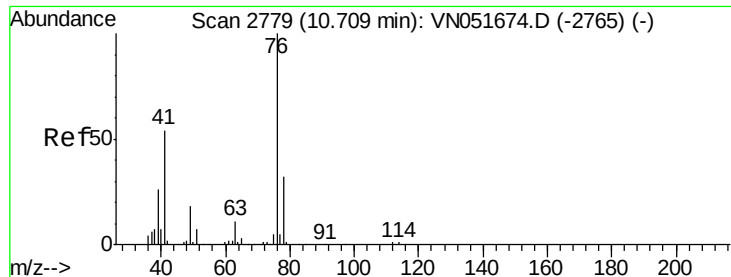
MMDadoda
 10/8/2018 3:58:50 PM



#51
 Ethyl methacrylate
 Concen: 18.049 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion:	69	Resp:	129276
Ion	Ratio	Lower	Upper
69	100		
41	61.5	34.4	103.1
39	46.5	16.3	48.8





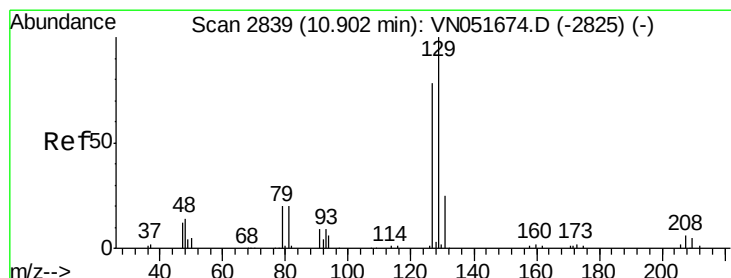
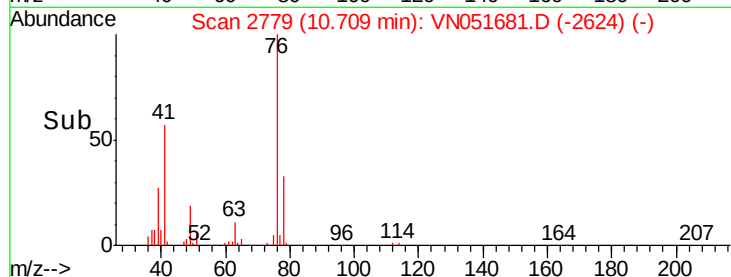
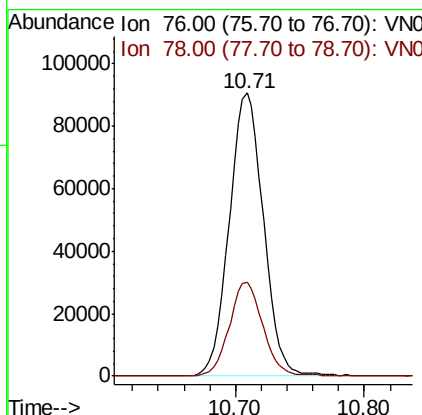
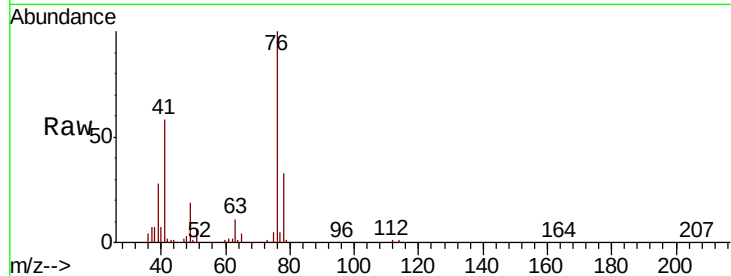
#52
 1,3-Dichloropropane
 Concen: 18.603 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	67.6

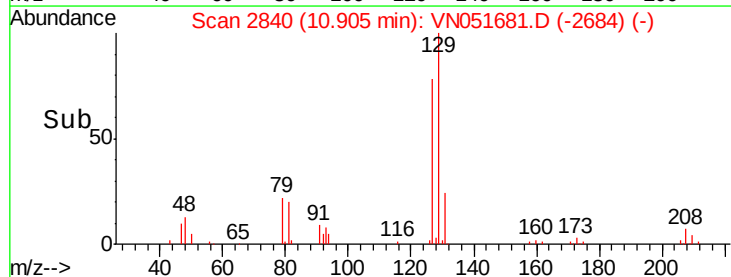
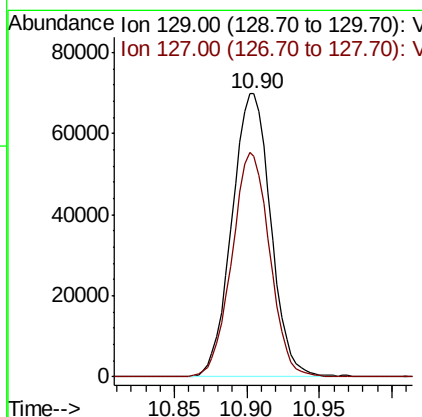
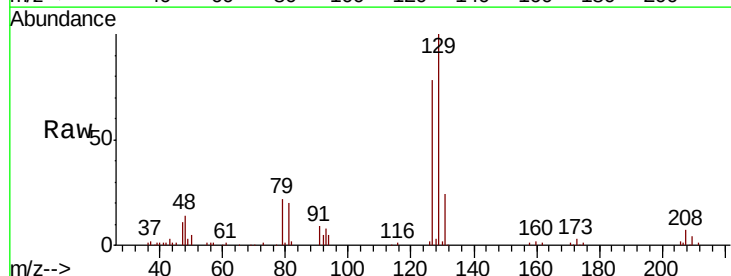
Manual Integrations
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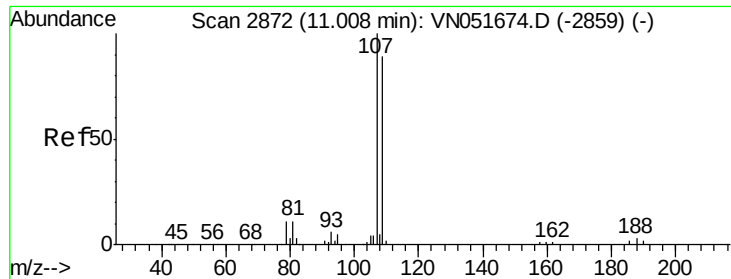
MMDadoda
 10/8/2018 3:58:50 PM



#53
 Dibromochloromethane
 Concen: 17.567 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	40.2	120.5





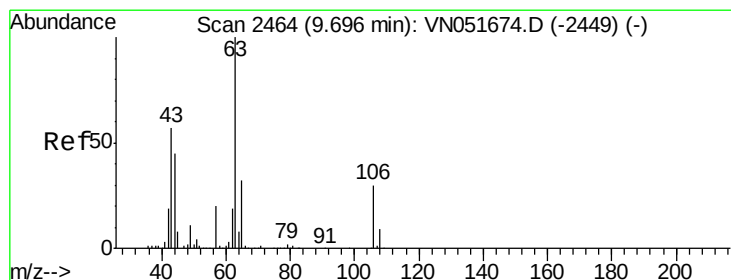
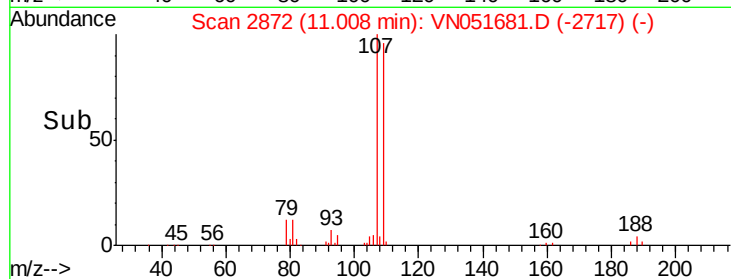
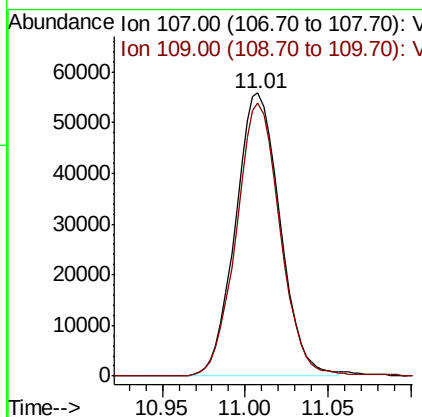
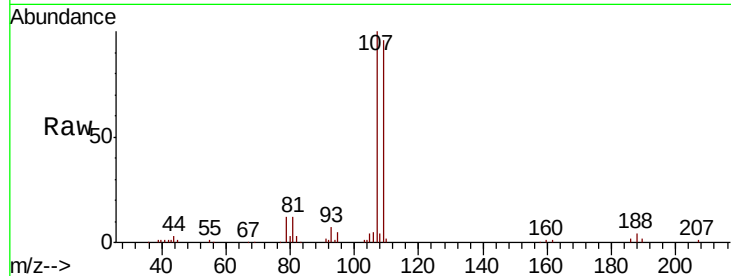
#54
 1,2-Dibromoethane
 Concen: 17.707 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	77.4	116.0

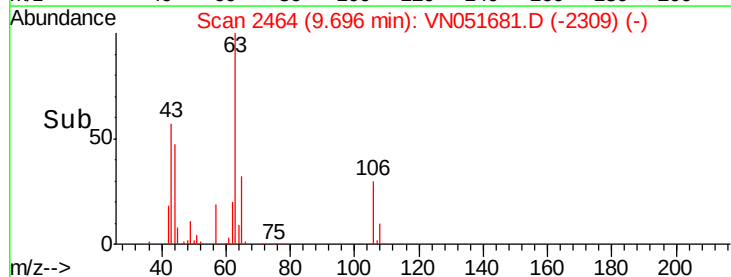
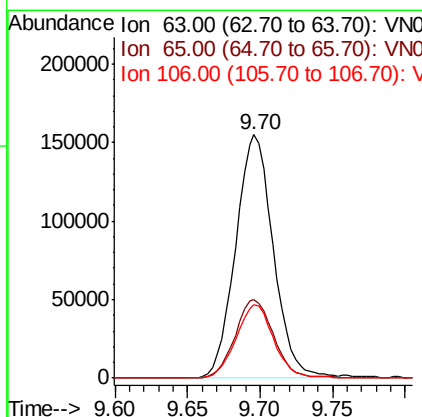
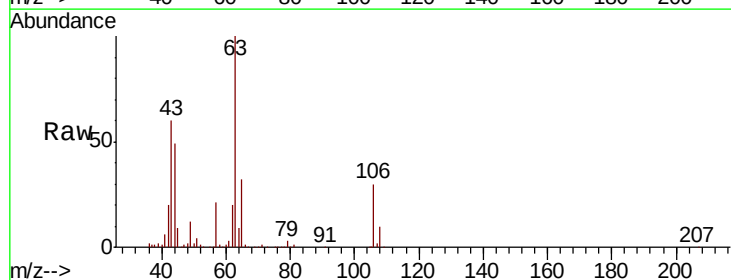
Manual Integrations
 APPROVED

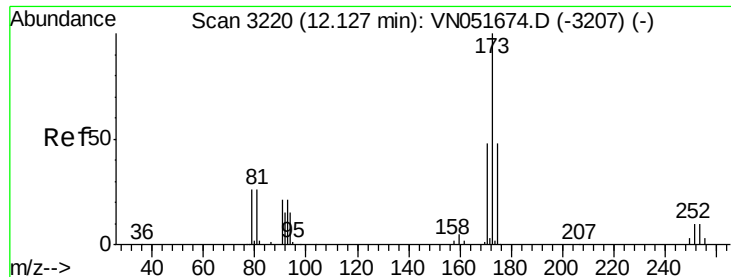
MMDadoda
 10/8/2018 3:58:50 PM



#55
 2-Chloroethyl vinyl ether
 Concen: 94.247 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.2	25.4	38.0
106	30.2	21.2	31.8





#56

Bromoform

Concen: 16.202 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

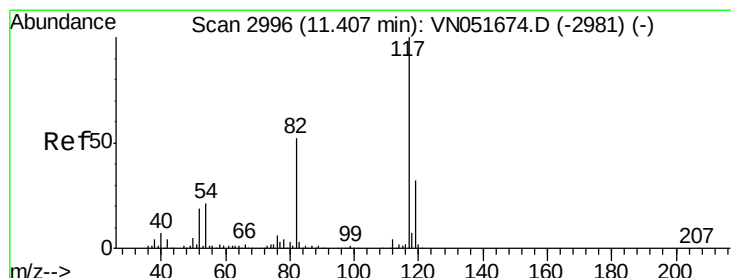
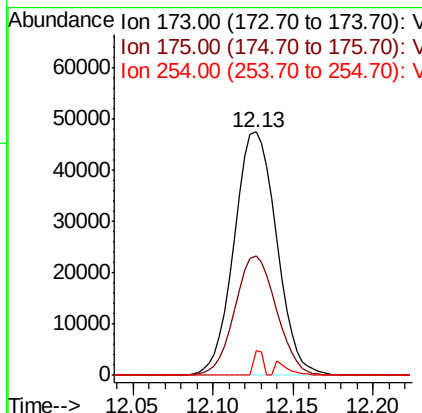
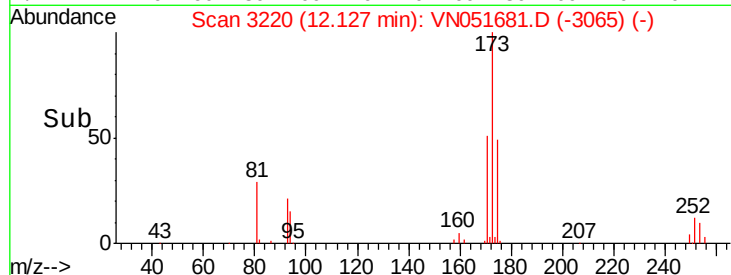
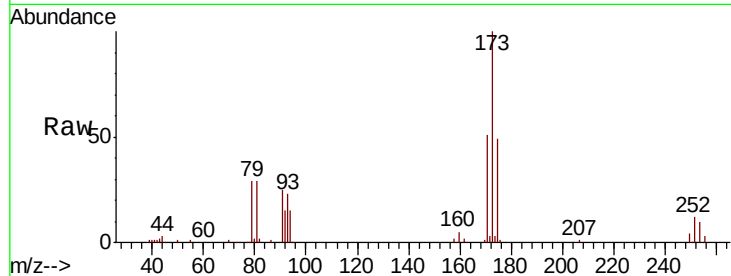
ClientSampleId :

VN1005WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	35.8	53.8
254	2.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:50 PM



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

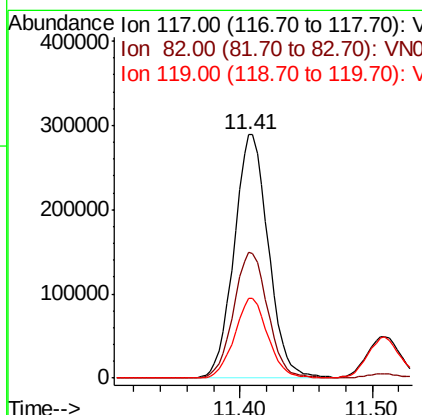
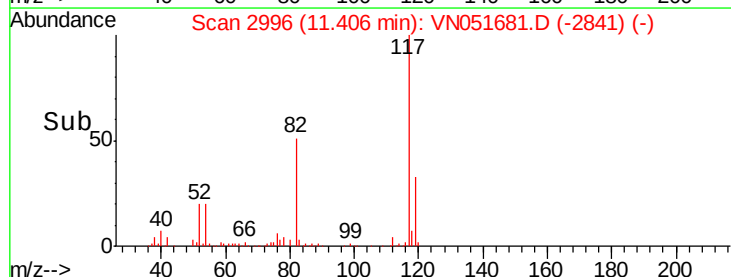
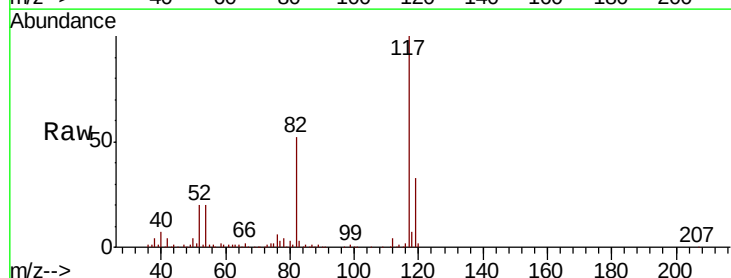
RT: 11.41 min Scan# 2996

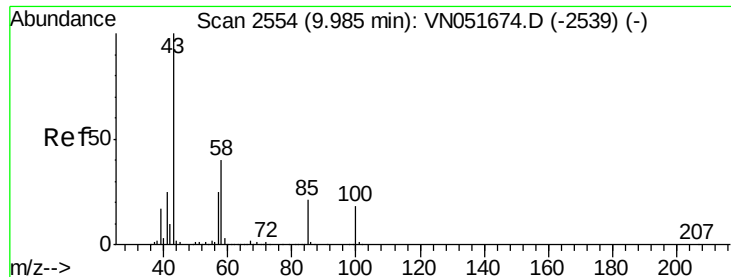
Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	44.1	66.1
119	31.9	25.8	38.8





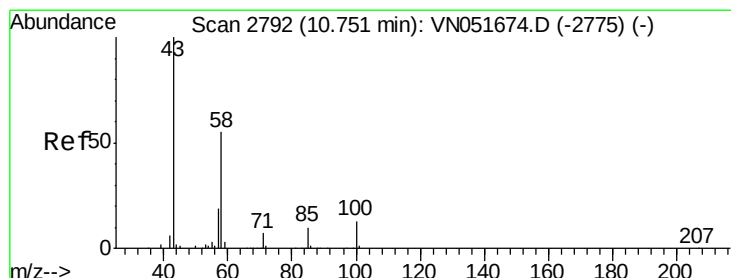
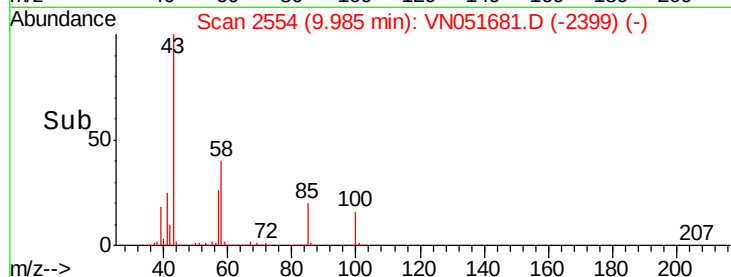
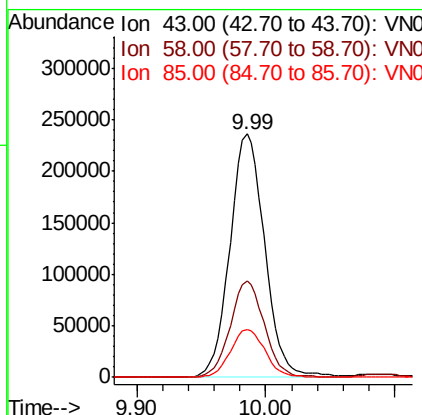
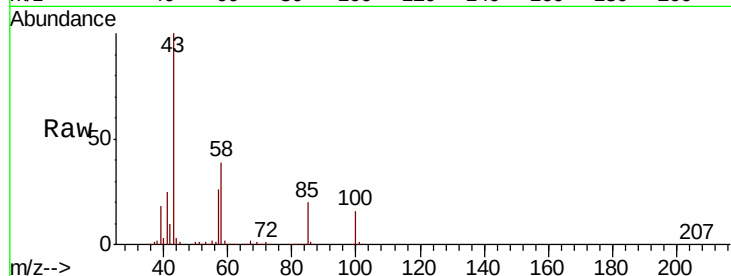
#58
4-Methyl-2-Pentanone
Concen: 103.230 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	29.3	43.9
85	19.7	12.6	18.8

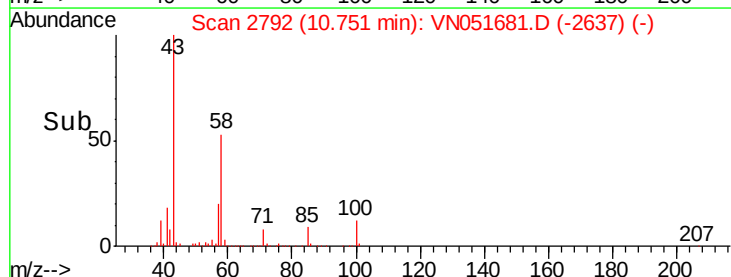
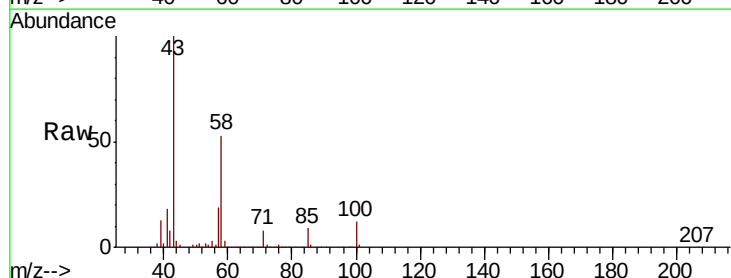
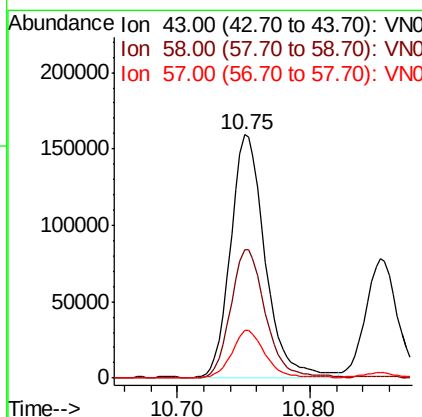
Manual Integrations
APPROVED

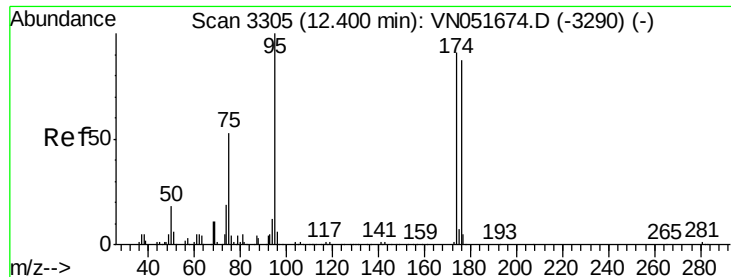
MMDadoda
10/8/2018 3:58:50 PM



#59
2-Hexanone
Concen: 99.463 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.8	41.3	61.9
57	19.3	13.4	20.0





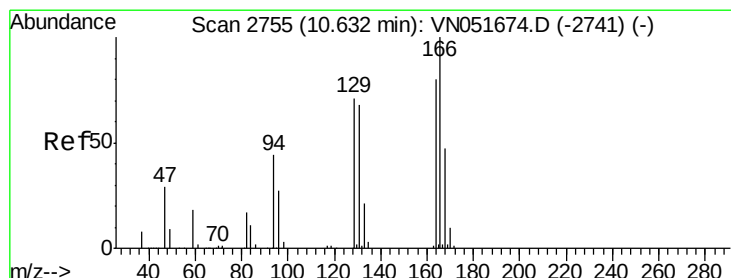
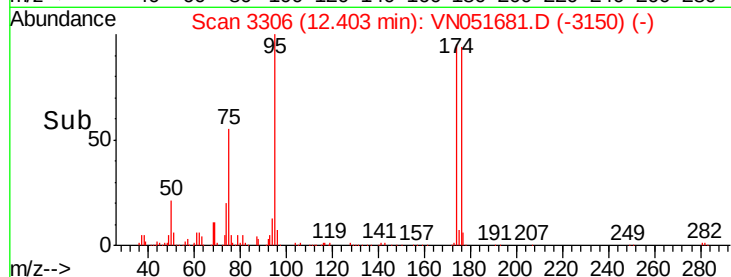
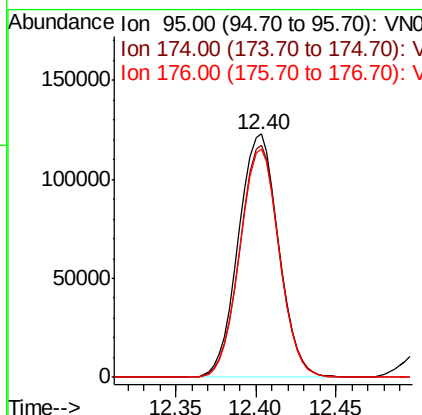
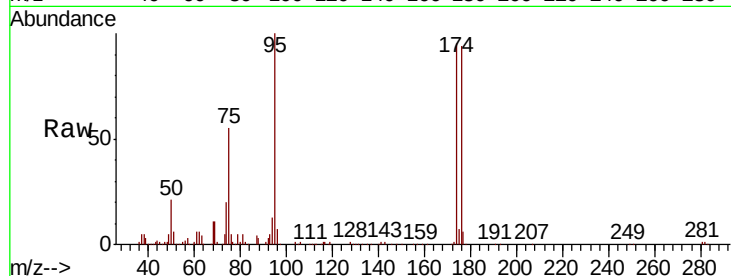
#60
4-Bromofluorobenzene
Concen: 99.463 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	93.6	73.5	110.3
176	92.0	70.2	105.2

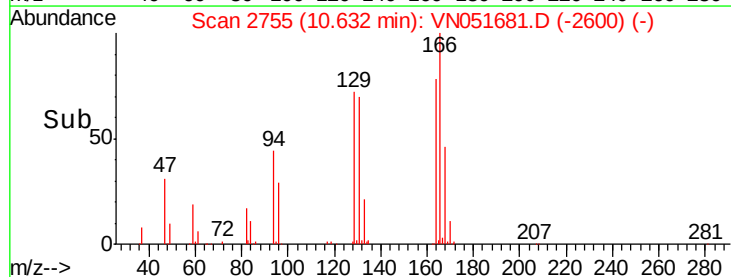
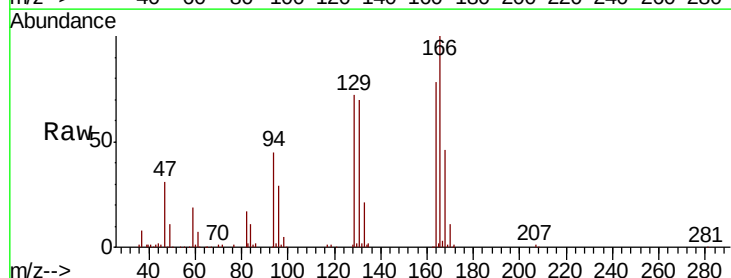
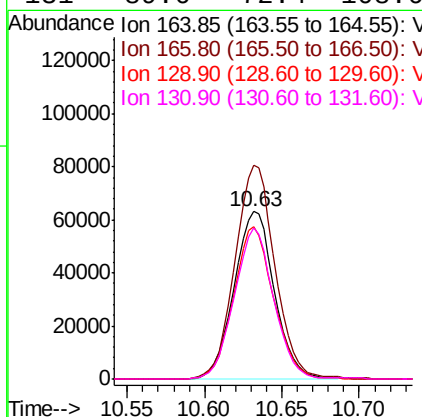
Manual Integrations
APPROVED

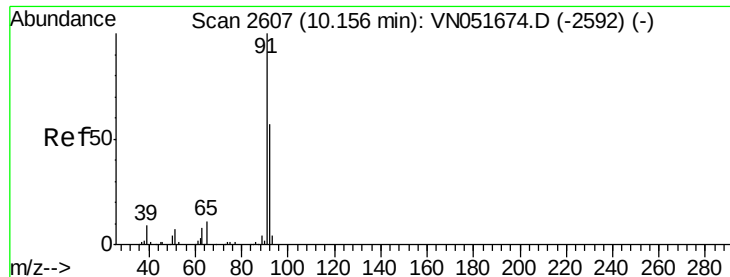
MMDadoda
10/8/2018 3:58:50 PM



#61
Tetrachloroethene
Concen: 18.637 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	98.7	148.1
129	91.3	69.6	104.4
131	89.6	72.4	108.6





#62

Toluene

Concen: 19.276 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VN1005WBS01

Tot Ion: 91 Resp: 506661

Ion Ratio Lower Upper

91 100

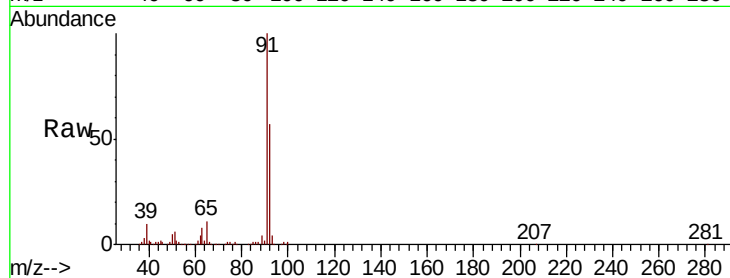
92 56.9 44.6 66.8

Manual Integrations

APPROVED

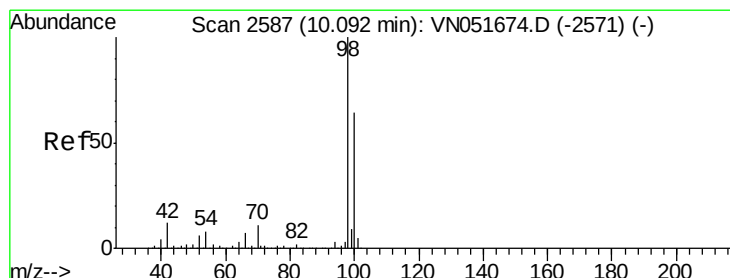
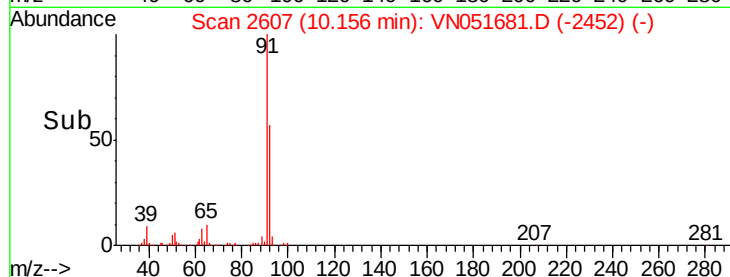
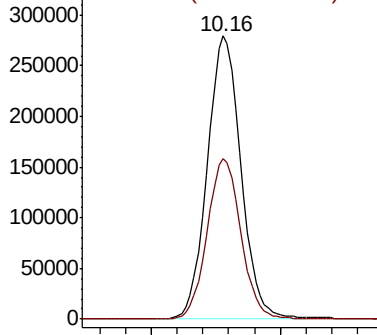
MMDadoda

10/8/2018 3:58:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



#63

Toluene-d8

Concen: 19.276 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051681.D

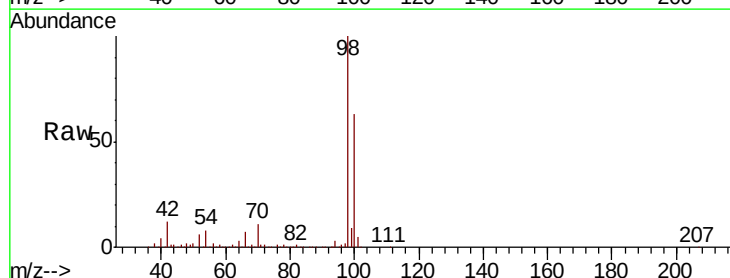
Acq: 5 Oct 2018 12:49

Tgt Ion: 98 Resp: 703352

Ion Ratio Lower Upper

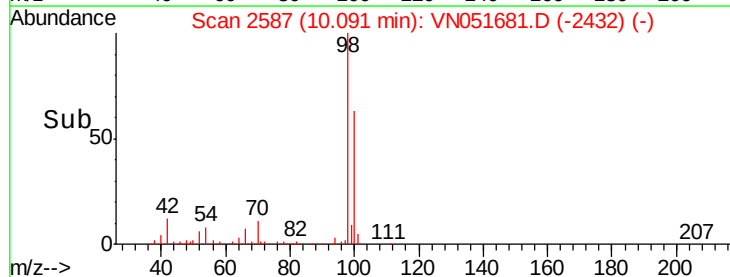
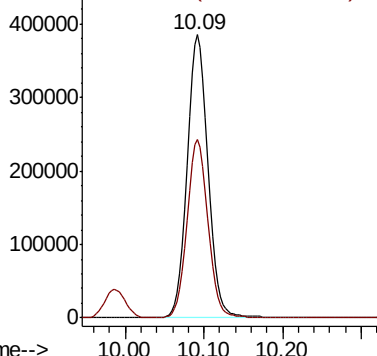
98 100

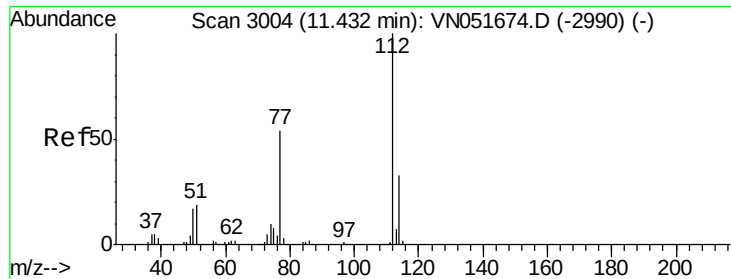
100 62.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





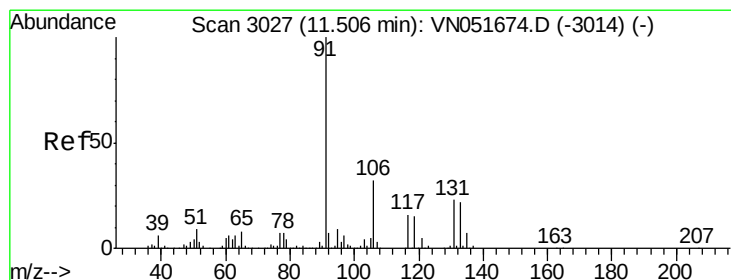
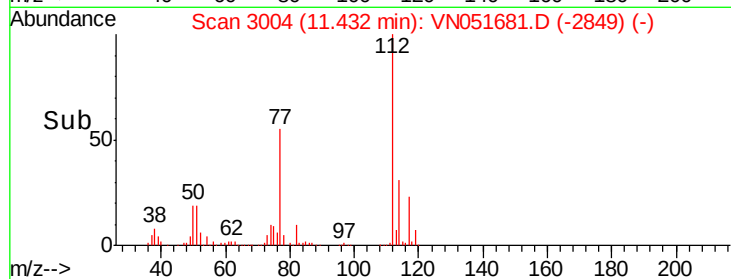
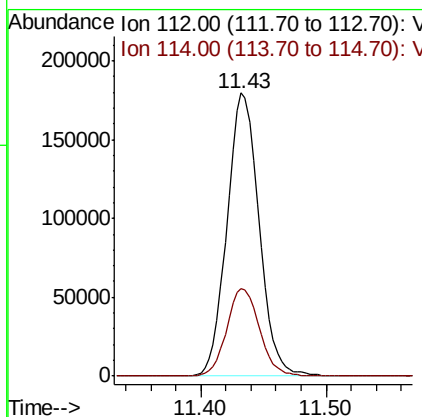
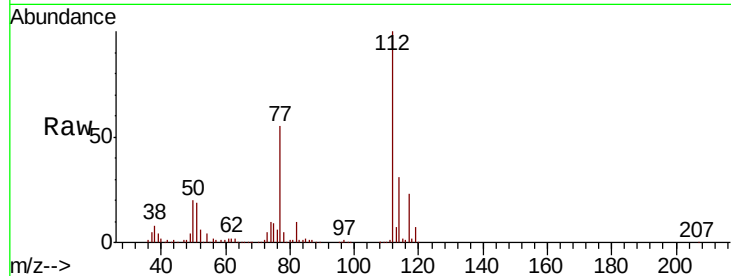
#64
Chlorobenzene
Concen: 18.896 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	27.5	41.3

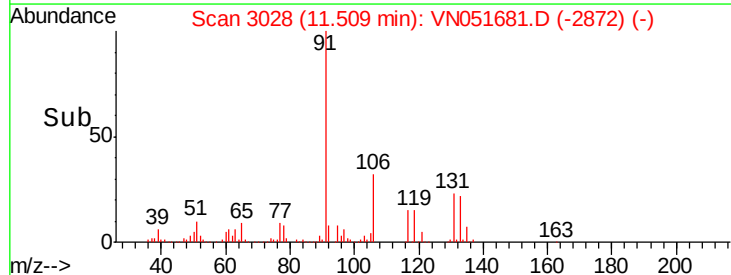
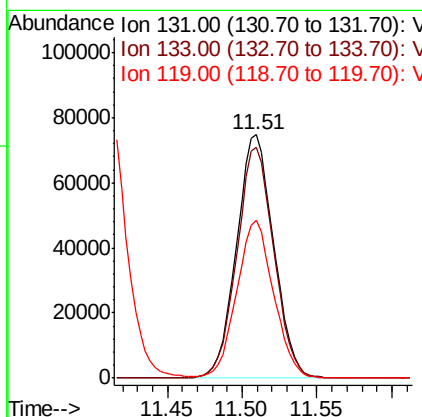
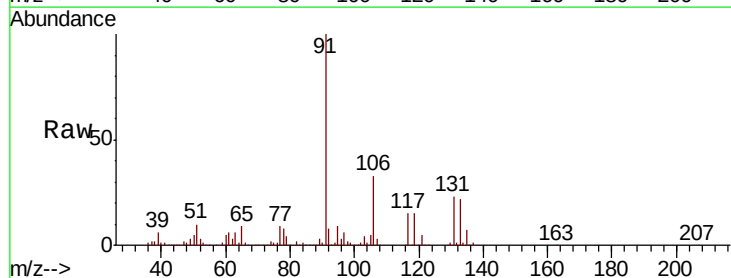
Manual Integrations
APPROVED

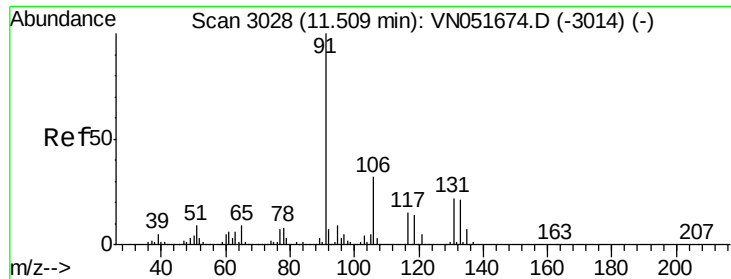
MMDadoda
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#65
1,1,1,2-Tetrachloroethane
Concen: 18.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	190.4
119	64.4	0.0	128.0





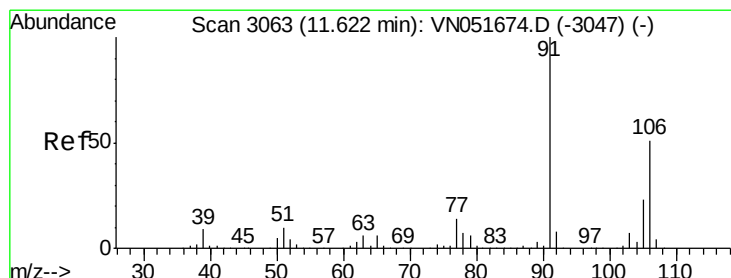
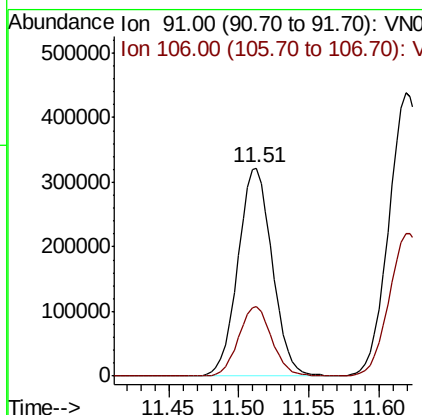
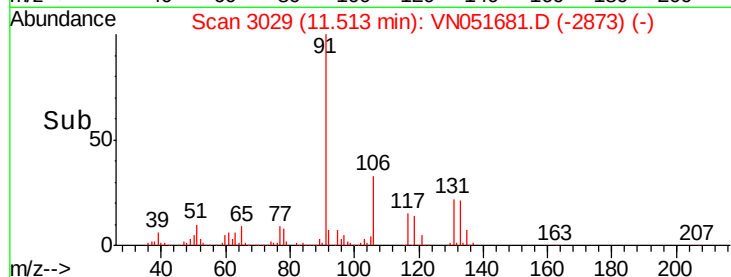
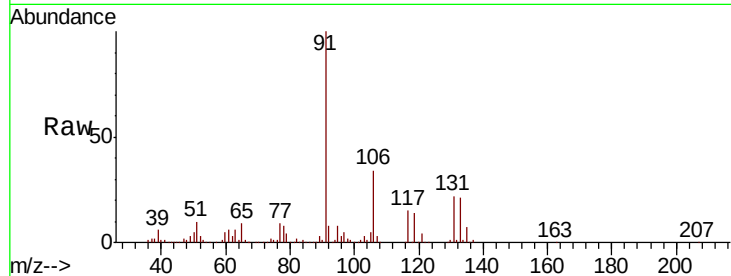
#66
Ethyl Benzene
Concen: 18.517 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion: 91 Resp: 547528
Ion Ratio Lower Upper
91 100
106 33.5 25.9 38.9

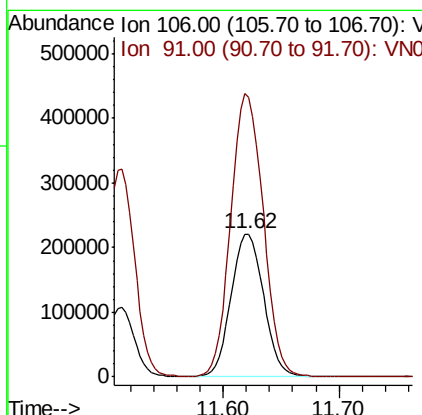
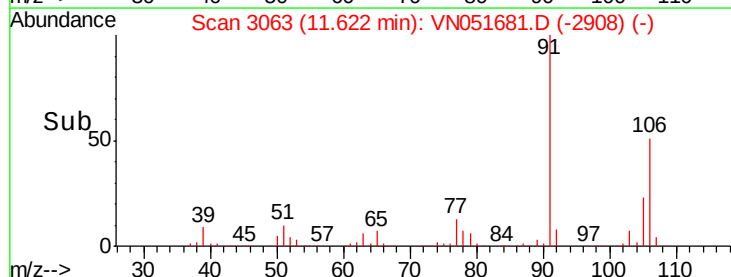
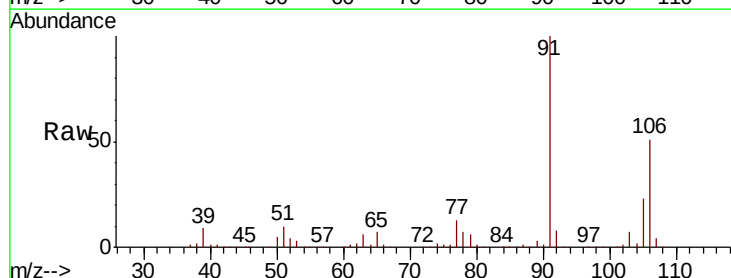
Manual Integrations
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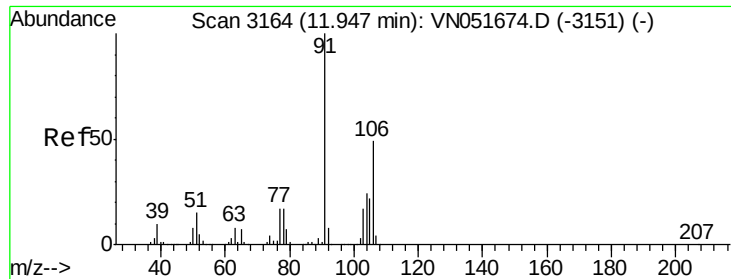
MMDadoda
10/8/2018 3:58:50 PM



#67
m/p-Xylenes
Concen: 36.533 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion: 106 Resp: 432048
Ion Ratio Lower Upper
106 100
91 197.6 158.8 238.2





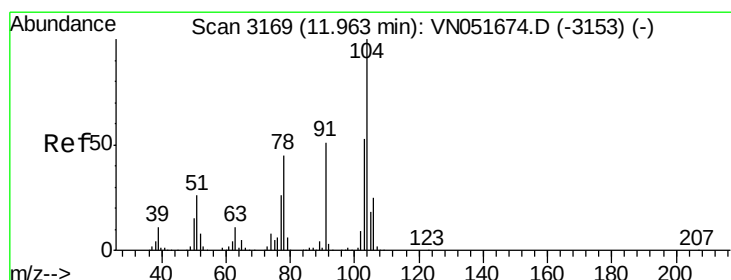
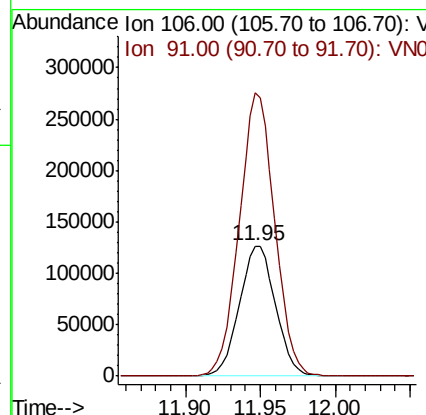
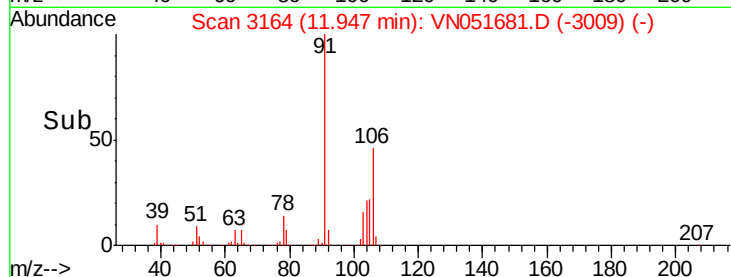
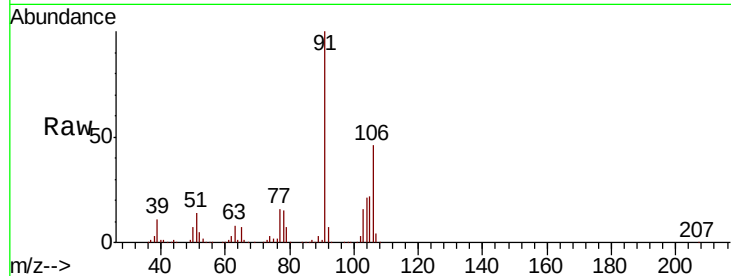
#68
o-Xylene
Concen: 18.204 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		212340		
91	213.6	111.1	333.3		

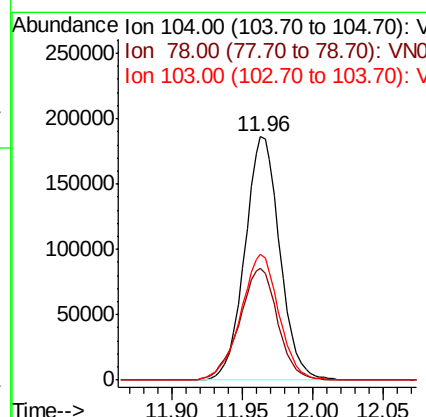
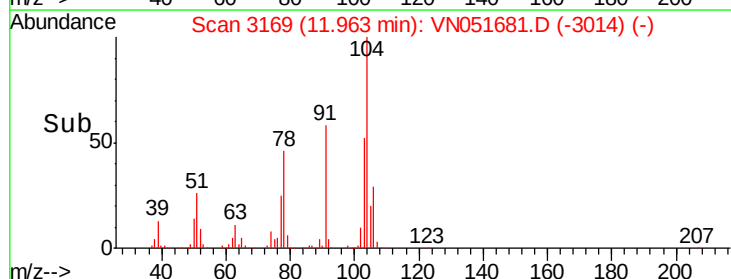
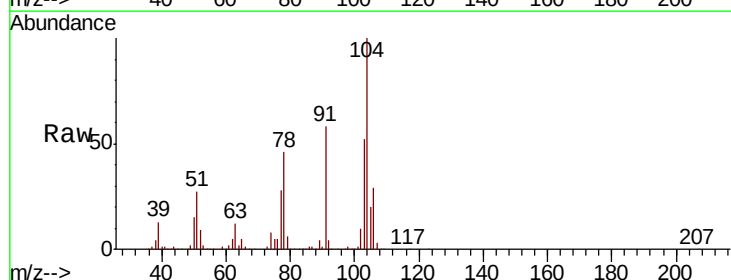
Manual Integrations
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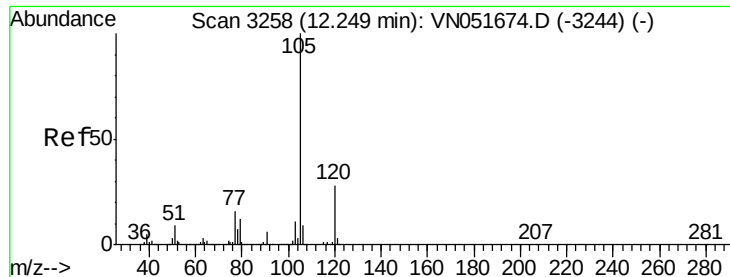
MMDadoda
10/8/2018 3:58:50 PM



#69
Styrene
Concen: 17.353 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		322966		
78	50.3	40.6	60.8		
103	56.1	44.0	66.0		





#70

Isopropylbenzene

Concen: 18.199 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion:105 Resp: 570396

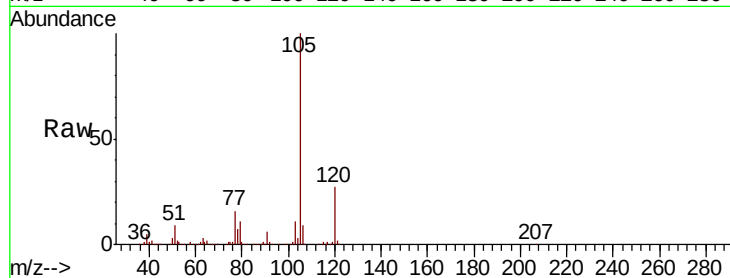
Ion Ratio Lower Upper

105 100

120 27.2 19.0 35.4

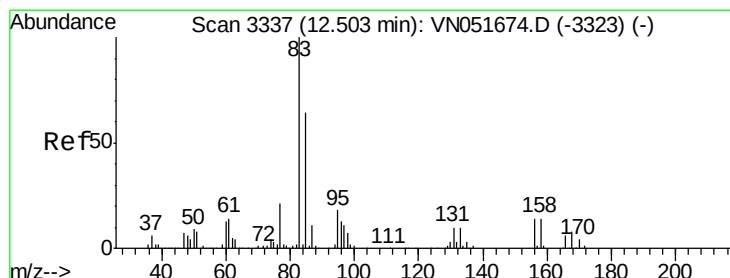
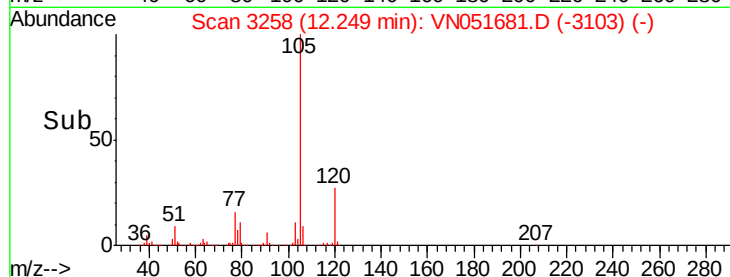
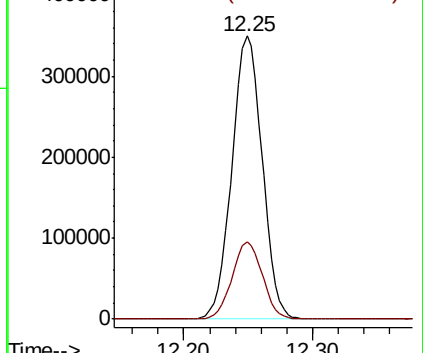
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 19.295 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

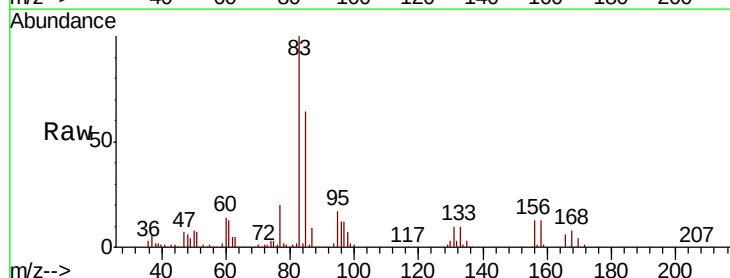
Tgt Ion: 83 Resp: 126299

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

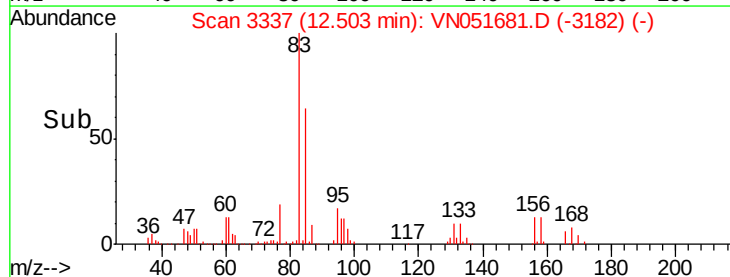
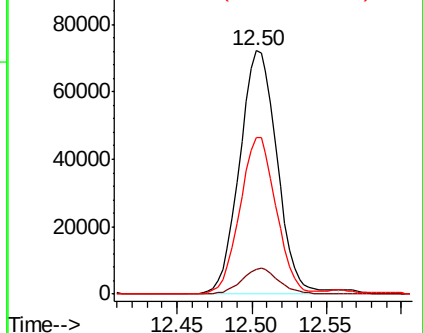
85 62.3 30.6 91.8

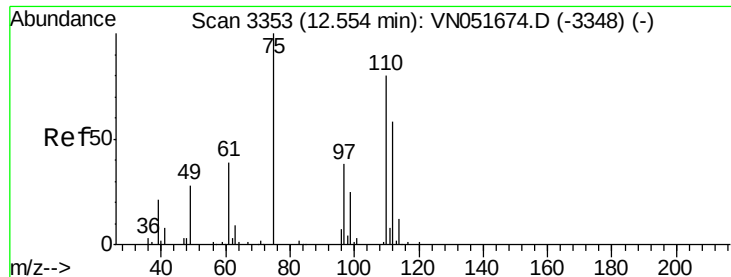


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0





#72

1,2,3-Trichloropropane

Concen: 19.635 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 75 Resp: 102525

Ion Ratio Lower Upper

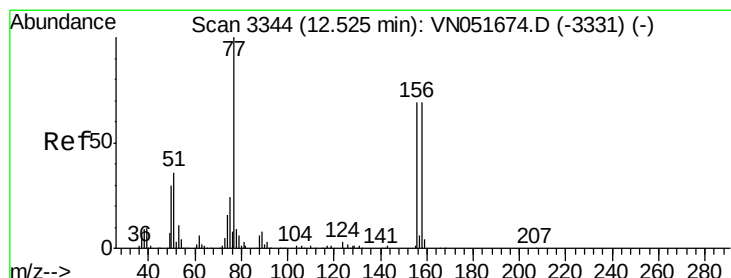
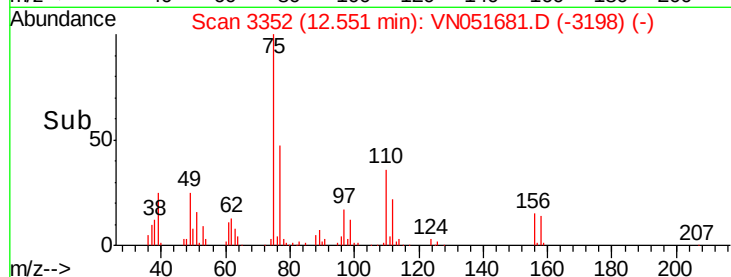
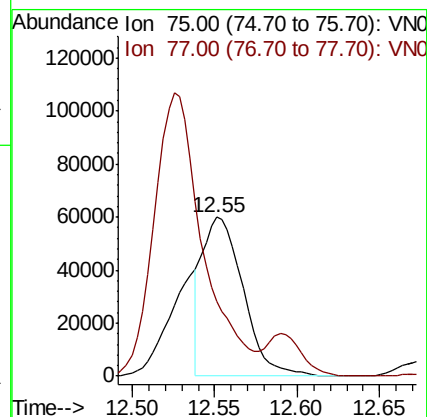
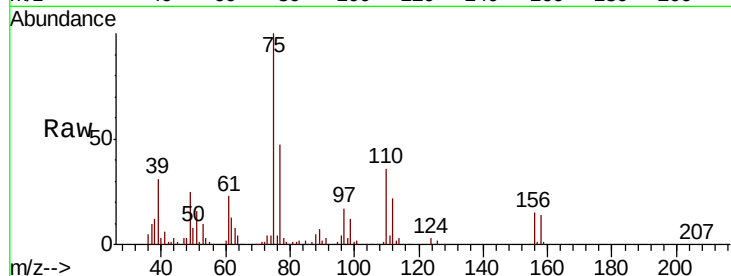
75 100

77 215.5 0.0 400.0

Manual Integrations
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#73

Bromobenzene

Concen: 17.354 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

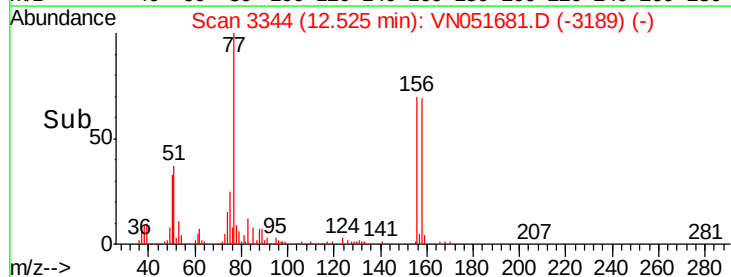
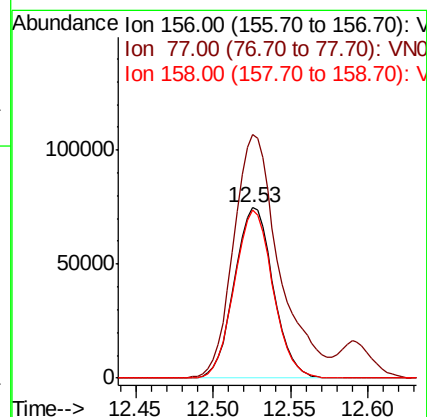
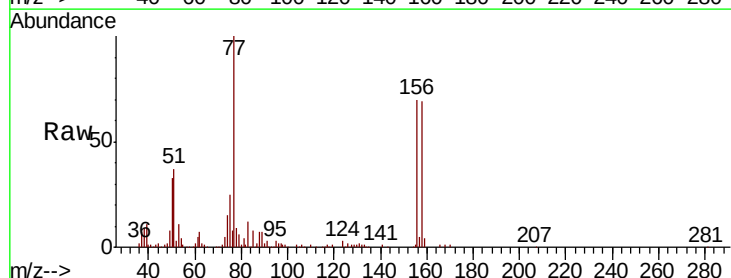
Tgt Ion: 156 Resp: 130823

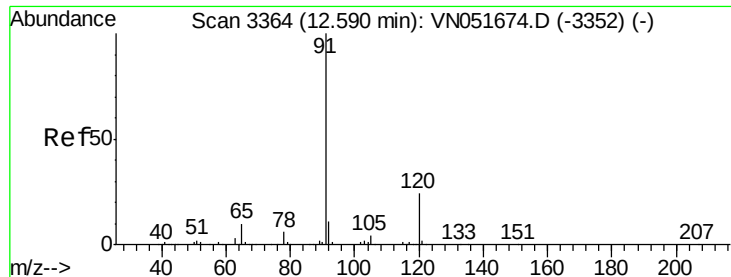
Ion Ratio Lower Upper

156 100

77 168.9 0.0 377.4

158 97.5 0.0 203.0





#74

n-propylbenzene

Concen: 17.654 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VN1005WBS01

Tot Ion: 91 Resp: 609116

Ion Ratio Lower Upper

91 100

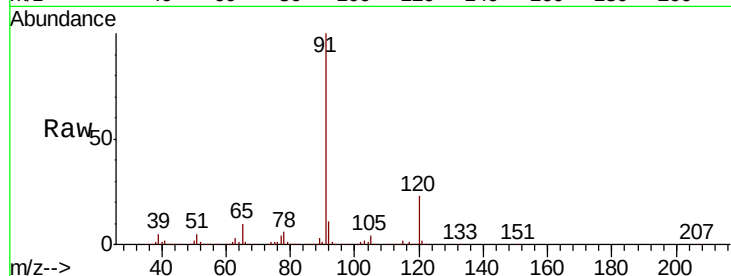
120 23.8 0.0 45.0

Manual Integrations

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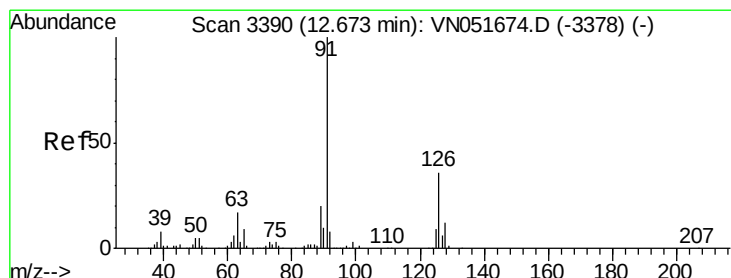
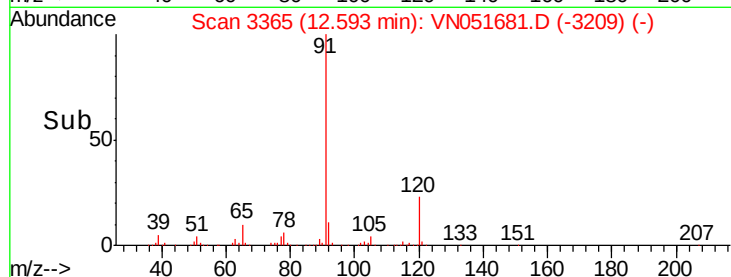
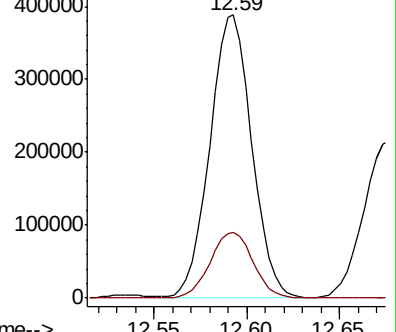
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10/8/2018 3:58:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 17.558 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051681.D

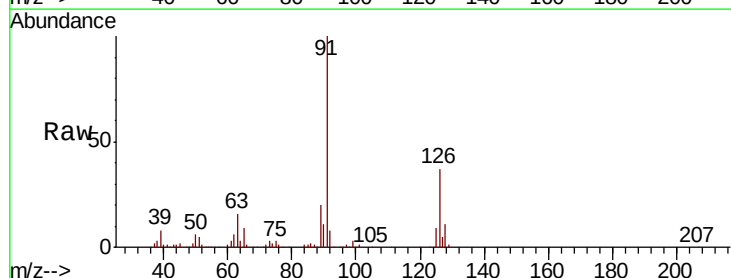
Acq: 5 Oct 2018 12:49

Tgt Ion: 91 Resp: 353968

Ion Ratio Lower Upper

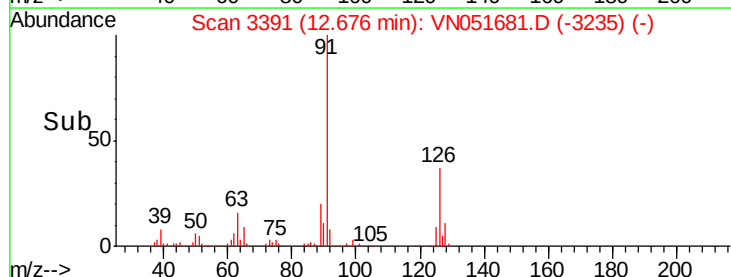
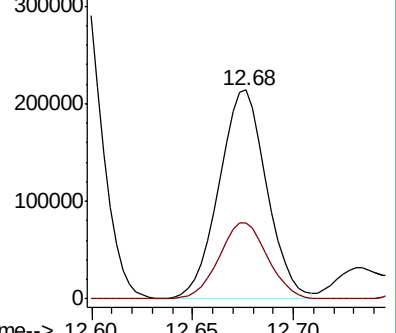
91 100

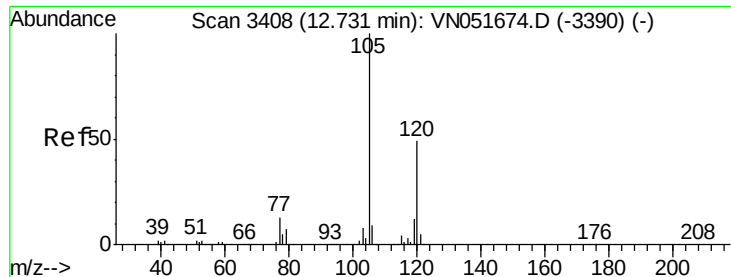
126 37.4 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 17.576 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion:105 Resp: 467438

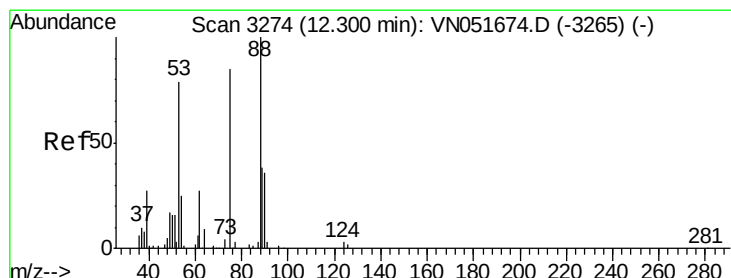
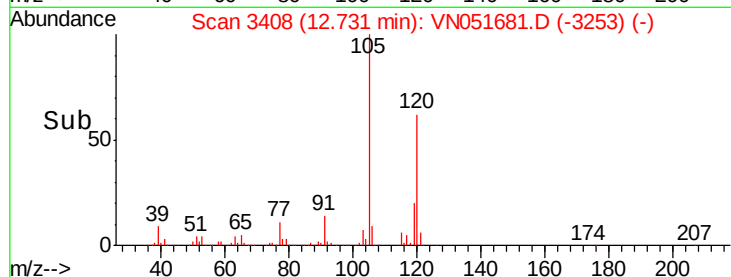
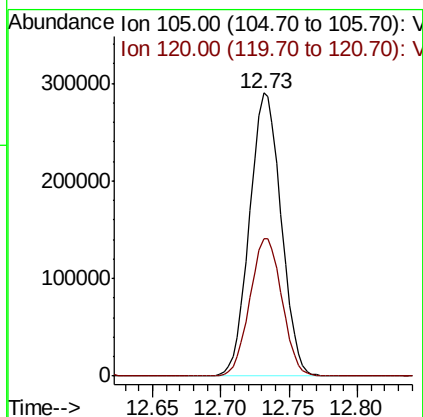
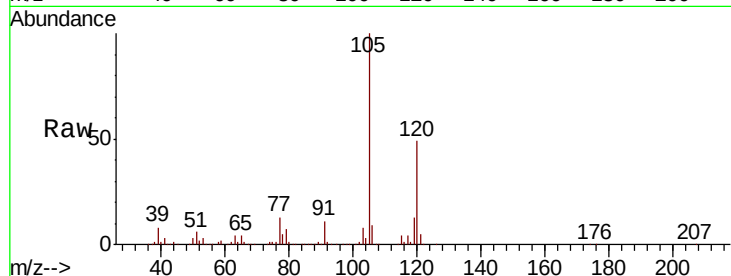
Ion Ratio Lower Upper

105 100

120 49.3 0.0 98.2

Manual Integrations
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#77

t-1,4-Dichloro-2-butene

Concen: 17.711 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

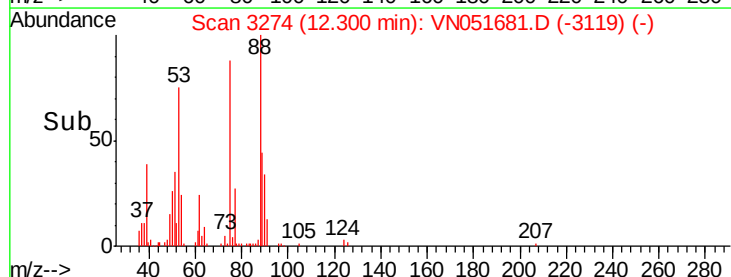
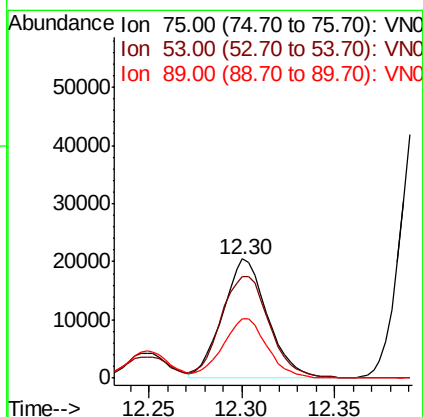
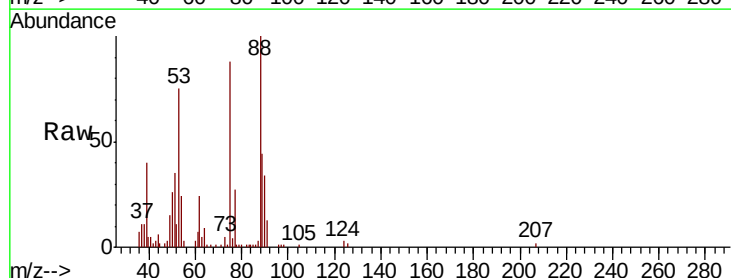
Tgt Ion: 75 Resp: 34480

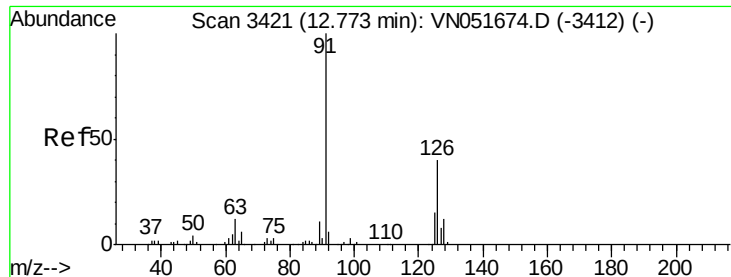
Ion Ratio Lower Upper

75 100

53 84.1 46.3 138.9

89 49.6 24.6 73.8





#78

4-Chlorotoluene

Concen: 17.202 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 91 Resp: 347555

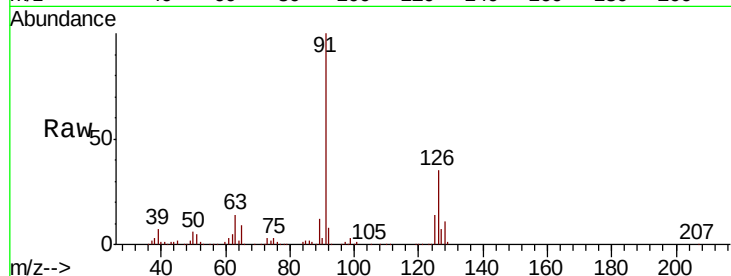
Ion Ratio Lower Upper

91 100

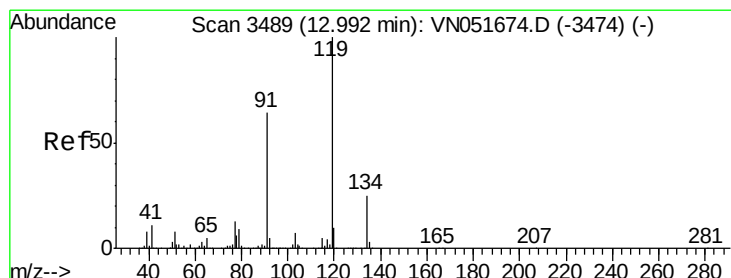
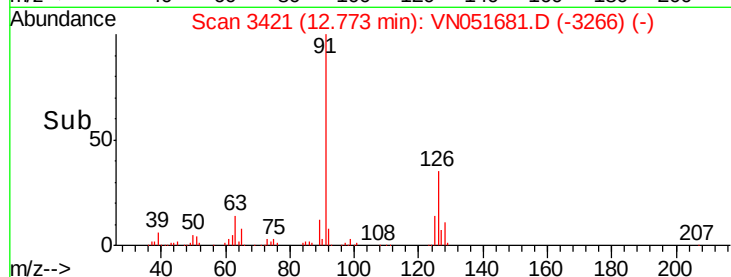
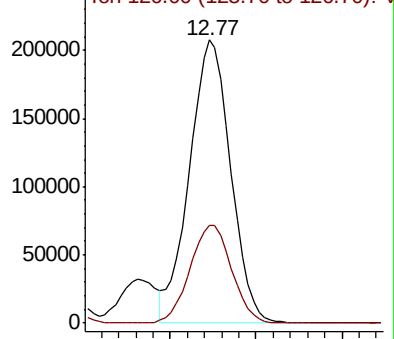
126 35.0 0.0 65.2

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Abundance Ion 91.00 (90.70 to 91.70): VN051674.D (-3412) (-)



#79

tert-butylbenzene

Concen: 17.701 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

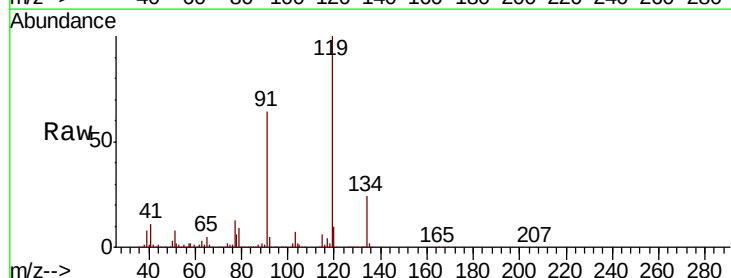
Tgt Ion: 119 Resp: 423421

Ion Ratio Lower Upper

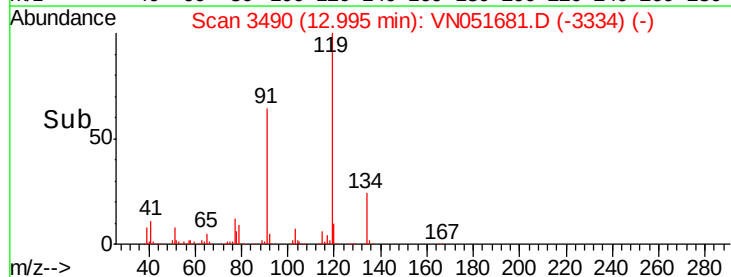
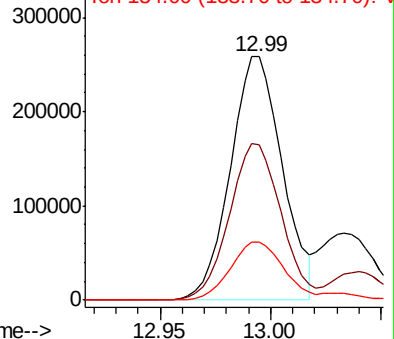
119 100

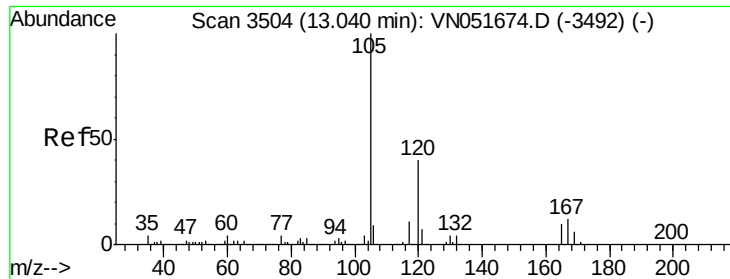
91 63.8 0.0 131.6

134 24.1 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): VN051674.D (-3474) (-)





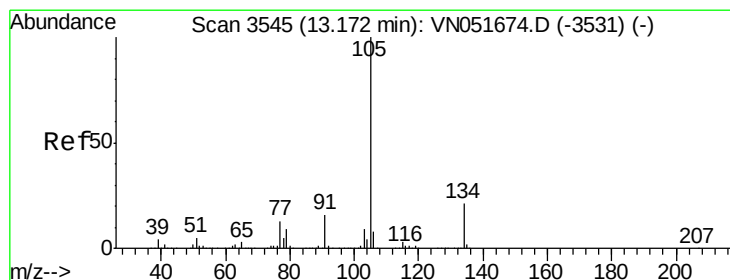
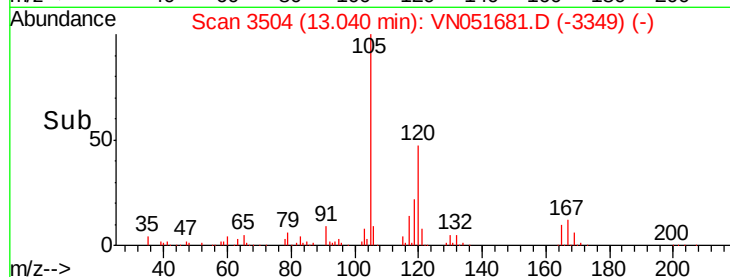
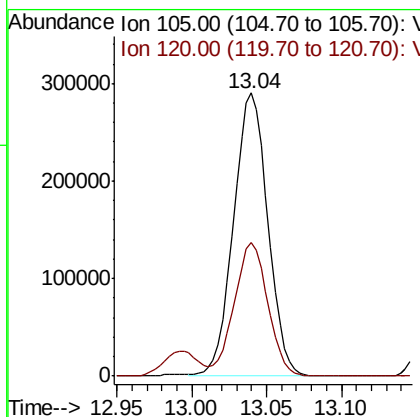
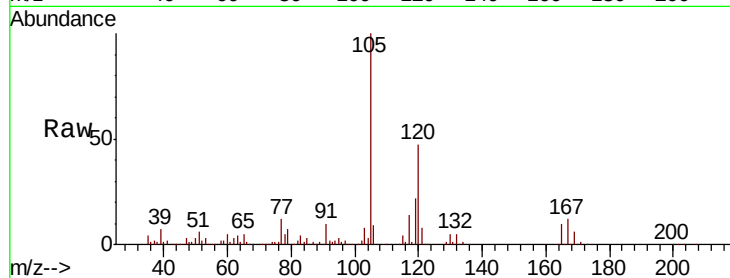
#80
1,2,4-Trimethylbenzene
Concen: 17.497 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	0.0	89.6

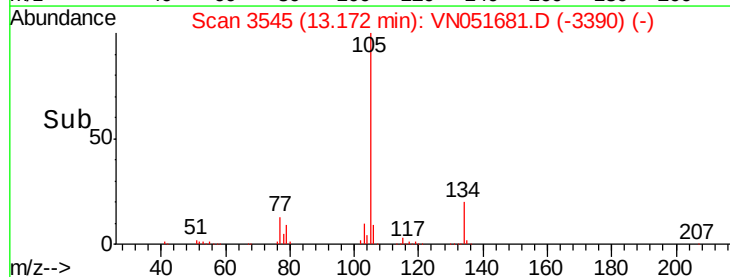
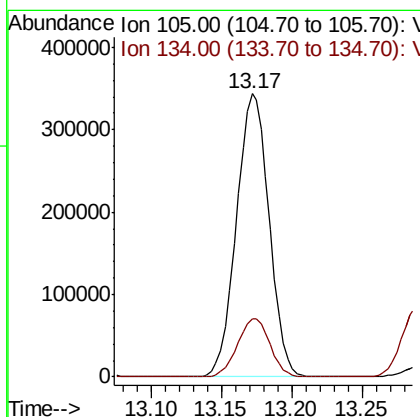
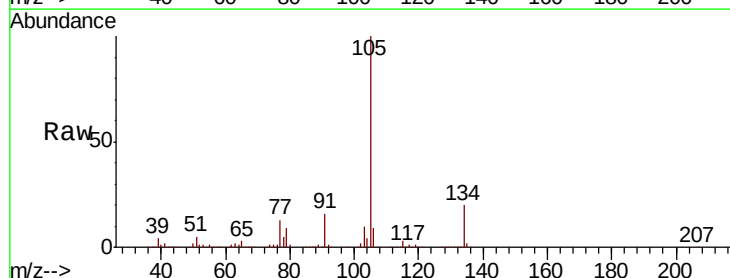
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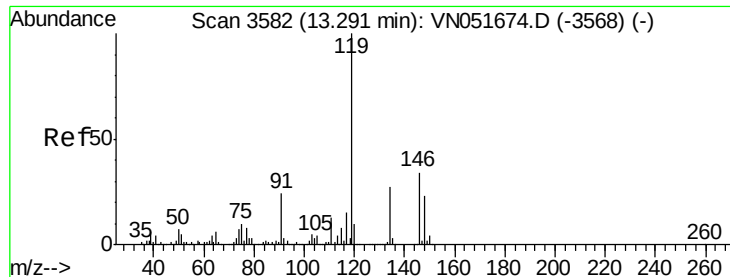
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#81
sec-Butylbenzene
Concen: 17.398 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	39.4





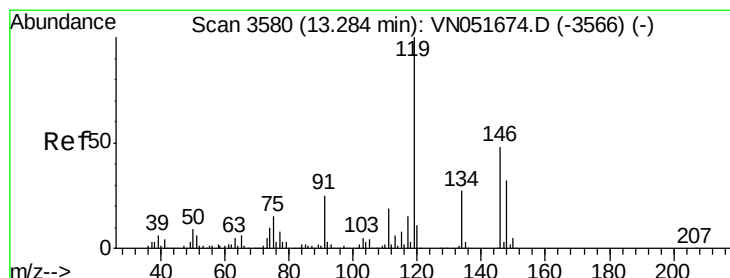
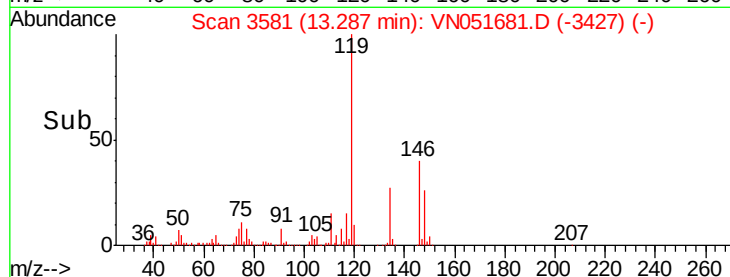
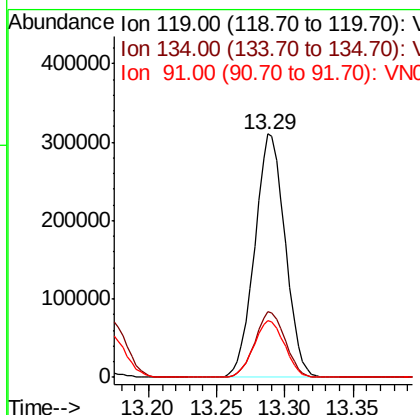
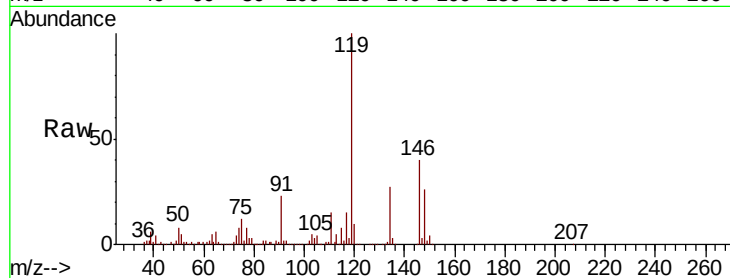
#82
 p-Isopropyltoluene
 Concen: 17.067 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	26.8	0.0	53.6
91	23.8	0.0	52.0

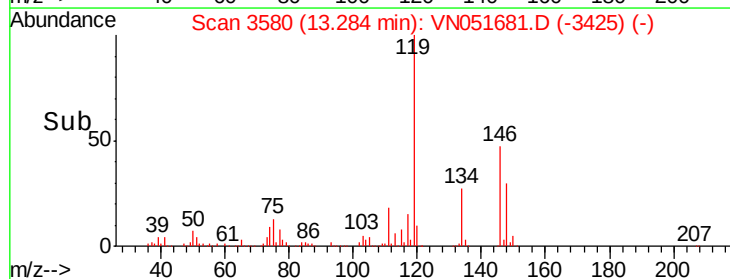
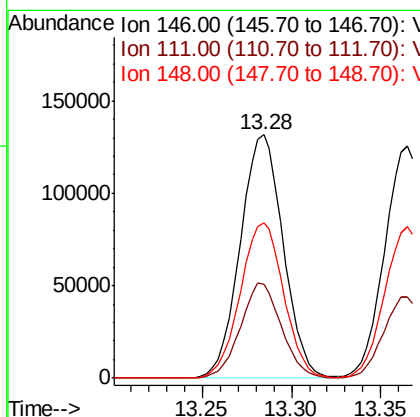
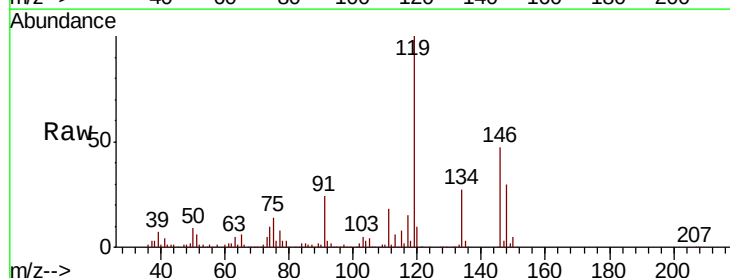
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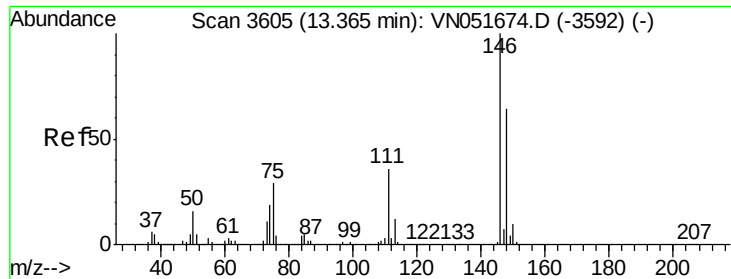
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#83
 1,3-Dichlorobenzene
 Concen: 16.442 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	37.3	18.1	54.3
148	64.4	31.3	93.8





#84

1,4-Dichlorobenzene

Concen: 15.968 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

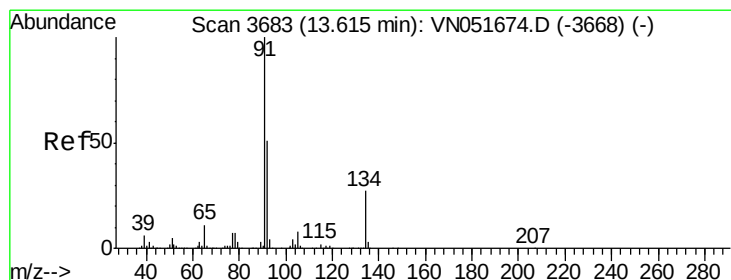
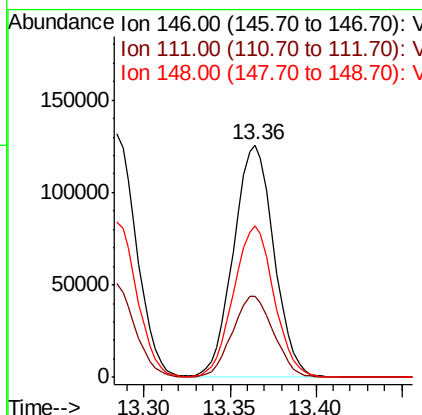
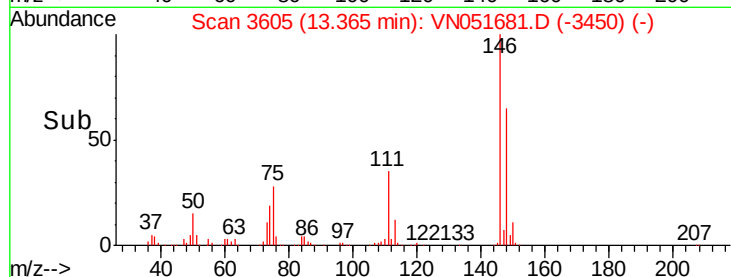
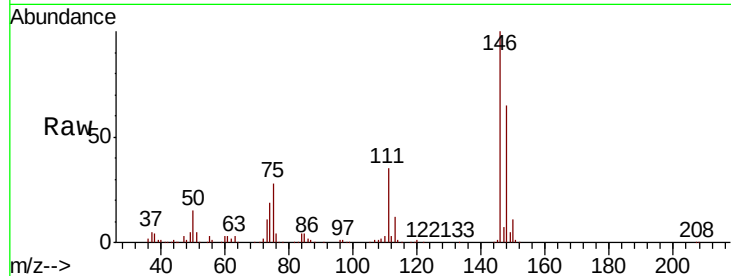
ClientSampleId :

VN1005WBS01

Tot Ion:	146	Resp:	205700
Ion Ratio	Lower	Upper	
146	100		
111	35.4	17.4	52.2
148	65.2	32.8	98.3

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#85

n-Butylbenzene

Concen: 16.392 ug/l

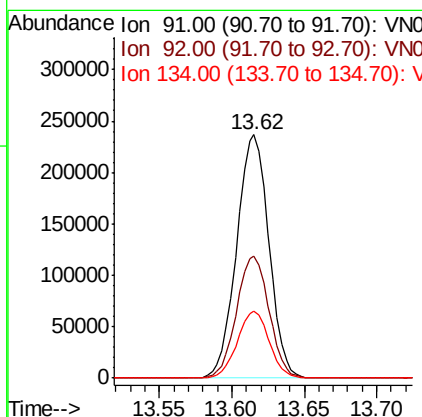
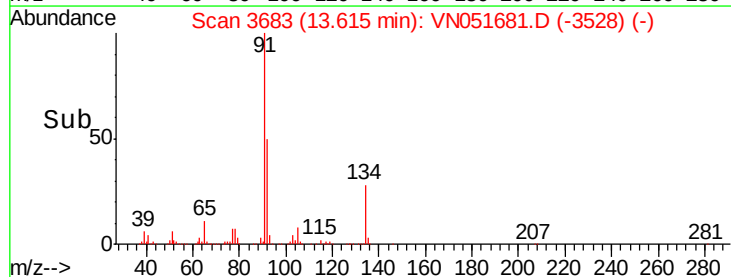
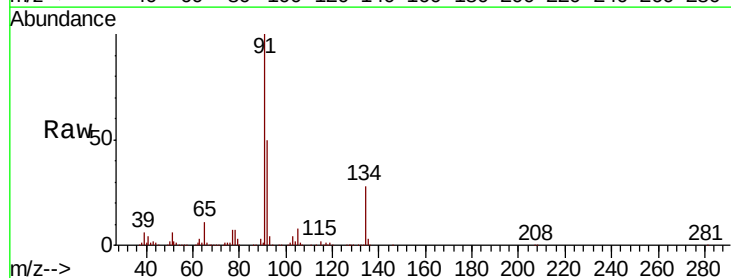
RT: 13.62 min Scan# 3683

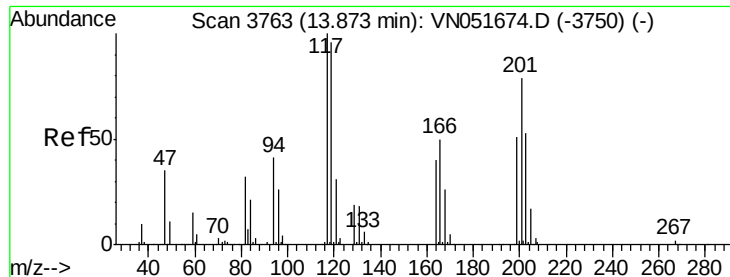
Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Tgt Ion:	91	Resp:	365246
Ion Ratio	Lower	Upper	
91	100		
92	50.4	0.0	97.4
134	27.2	0.0	49.6





#86

Hexachloroethane

Concen: 17.920 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion:117 Resp: 99950

Ion Ratio Lower Upper

117 100

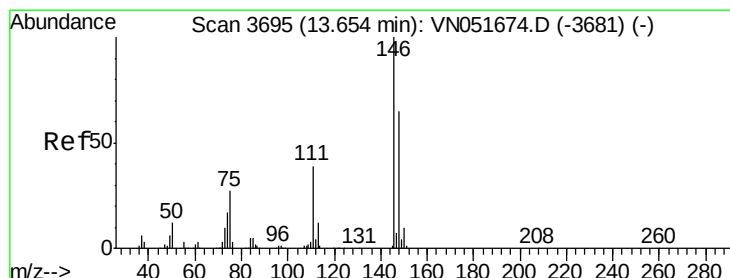
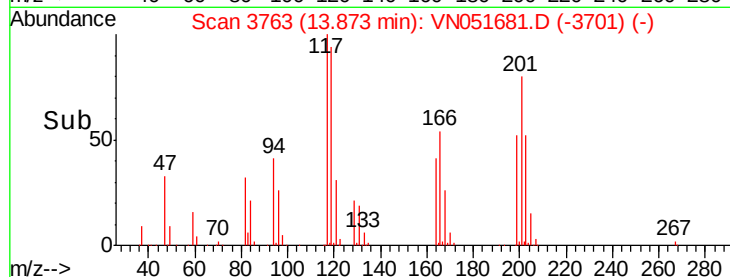
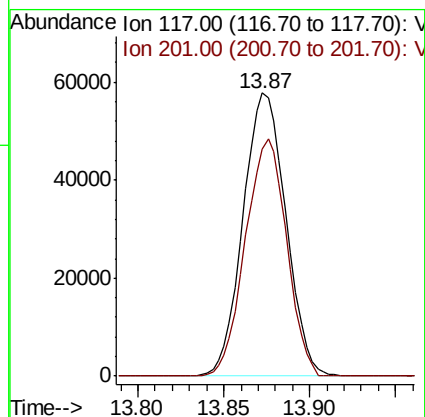
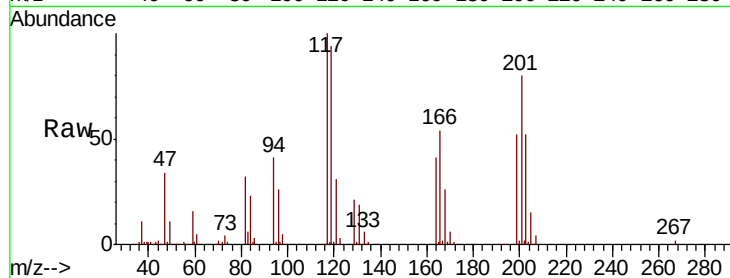
201 80.6 47.8 143.3

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#87

1,2-Dichlorobenzene

Concen: 16.906 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051681.D

Acq: 5 Oct 2018 12:49

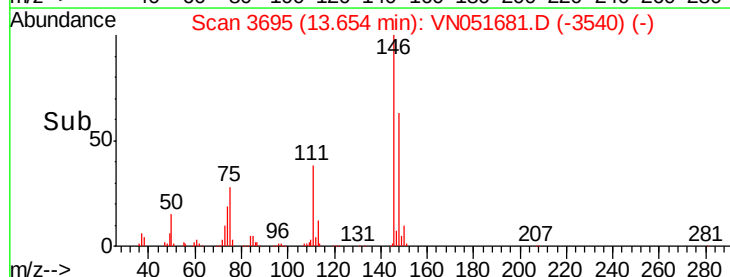
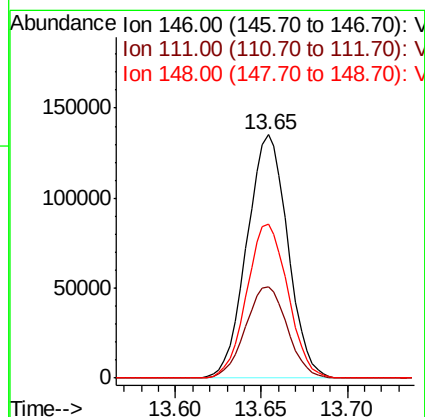
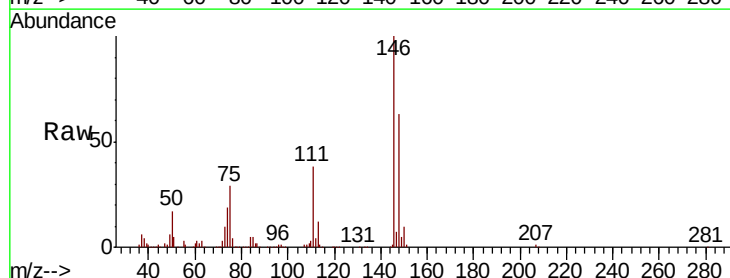
Tgt Ion:146 Resp: 223334

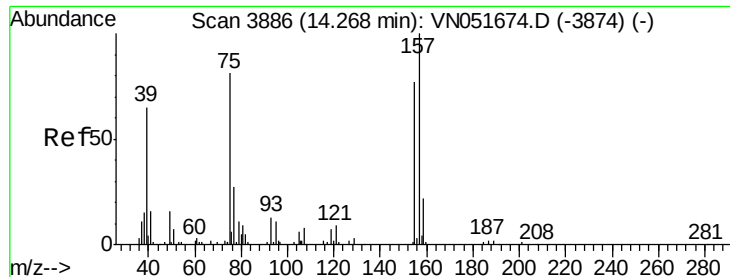
Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

148 63.6 33.2 99.6





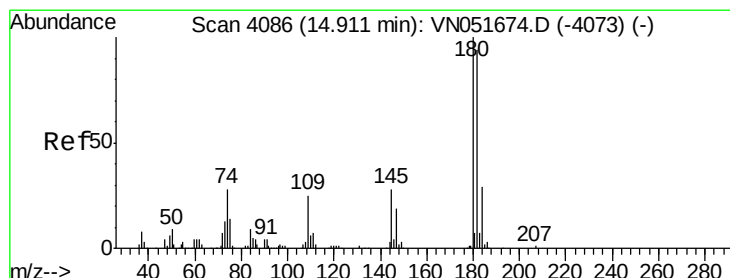
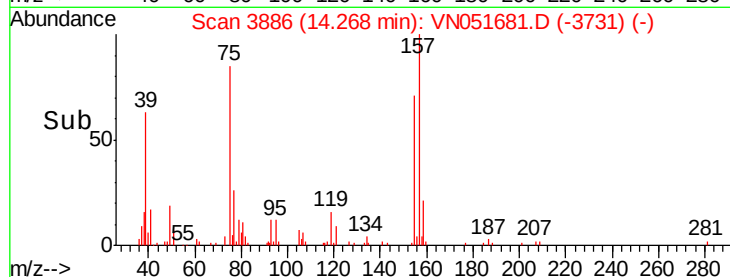
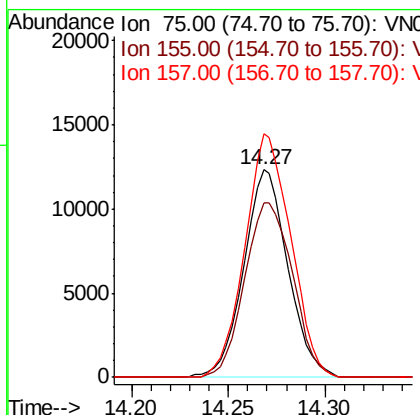
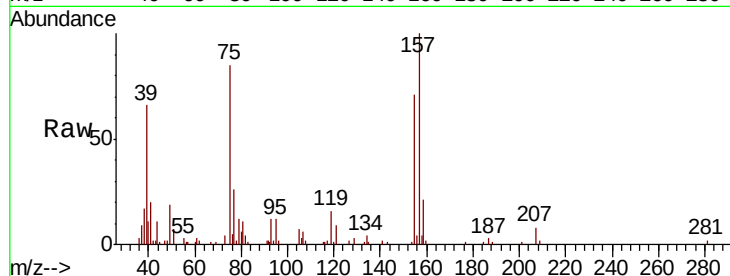
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.216 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion: 75 Resp: 19633
 Ion Ratio Lower Upper
 75 100
 155 91.1 57.0 85.6#
 157 121.6 87.4 131.0

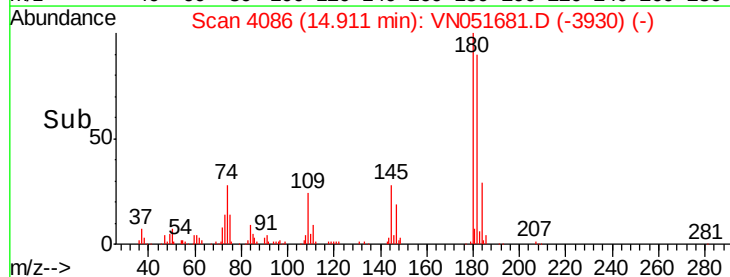
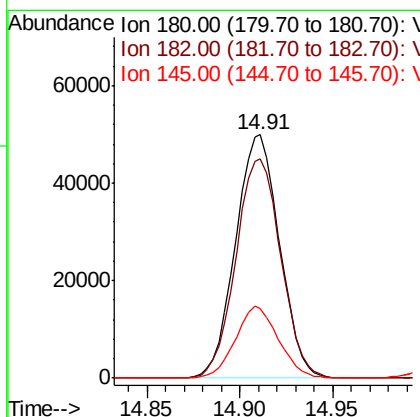
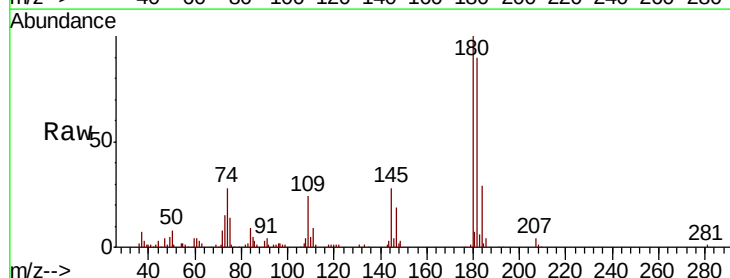
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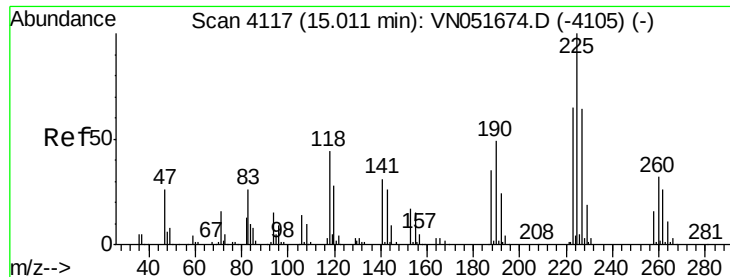
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#89
 1,2,4-Trichlorobenzene
 Concen: 17.047 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Tgt Ion: 180 Resp: 82124
 Ion Ratio Lower Upper
 180 100
 182 92.1 77.7 116.5
 145 28.8 23.4 35.2





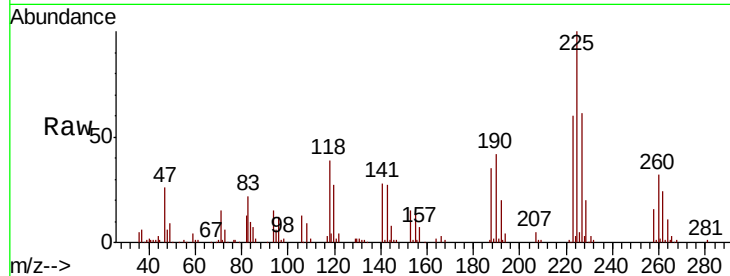
#90
Hexachlorobutadiene
Concen: 17.245 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
225	100	69321		
223	61.8	0.0	117.0	
227	64.7	0.0	127.0	

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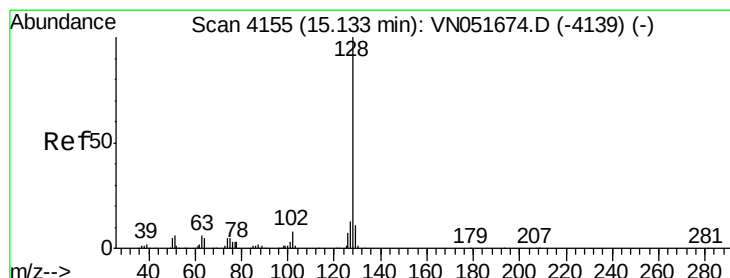
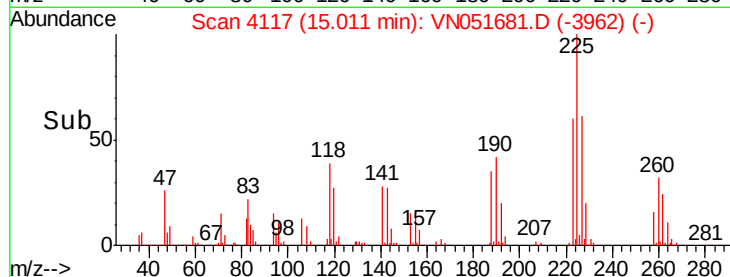
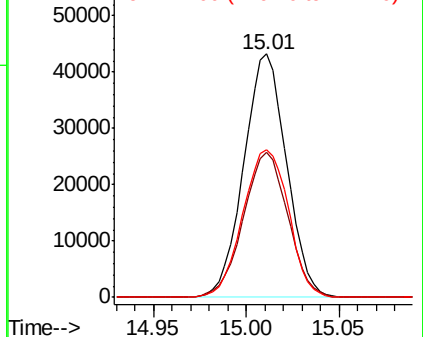


Abundance

Ion 225.00 (224.70 to 225.70): V

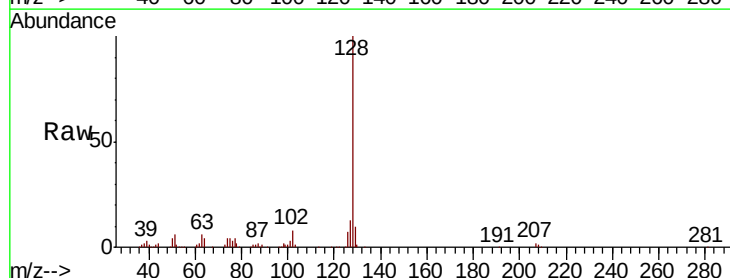
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91
Naphthalene
Concen: 13.877 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051681.D
Acq: 5 Oct 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	173098		
127	12.7	10.1	15.1	
129	10.3	8.4	12.6	

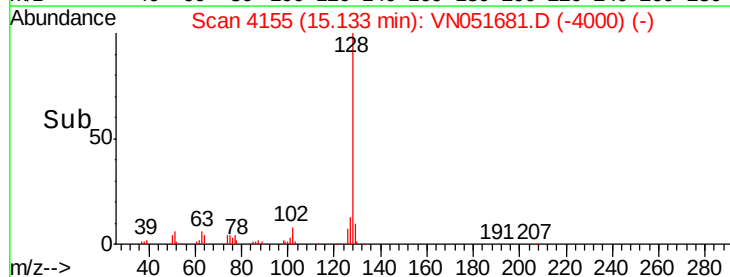
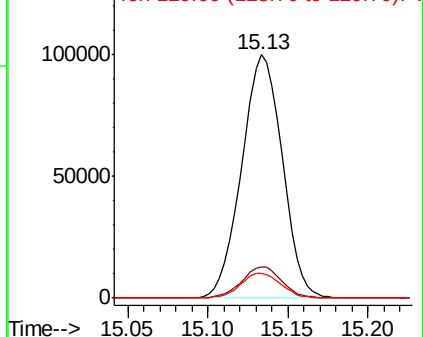


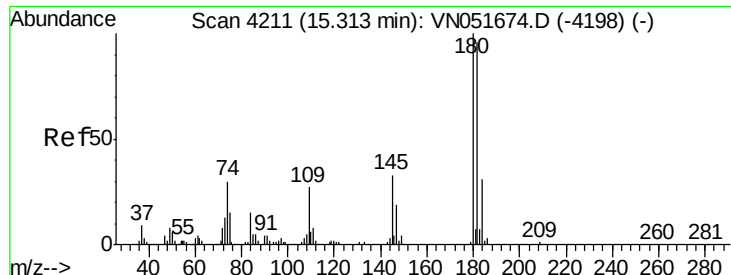
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





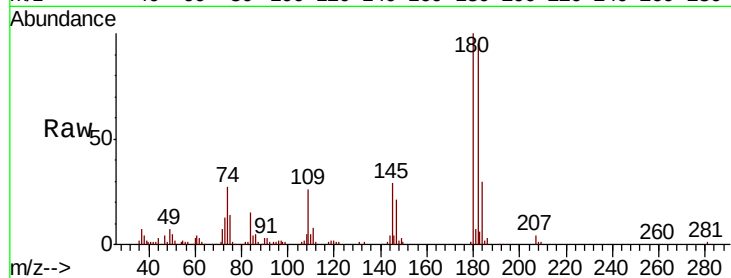
#92
 1,2,3-Trichlorobenzene
 Concen: 15.561 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051681.D
 Acq: 5 Oct 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	97.3	0.0	198.0
145	31.3	0.0	36.8

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

