

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051274.D
 Acq On : 17 Sep 2018 16:59
 Operator : MD\SY
 Sample : VN0917WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:55 PM

Quant Time: Sep 19 09:29:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	559262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	759276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	313112	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	277975	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	7.59	113	278573	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	10.09	98	1044823	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.40	95	321025	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	97571	17.99	ug/l	98
3) Chloromethane	2.06	50	131902	18.46	ug/l	99
4) Vinyl Chloride	2.18	62	123615	16.88	ug/l	99
5) Bromomethane	2.57	94	68144	16.11	ug/l	95
6) Chloroethane	2.70	64	75682	17.33	ug/l	100
7) Trichlorofluoromethane	3.01	101	175015	17.44	ug/l	98
8) Diethyl Ether	3.41	74	58527	17.82	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	109369	17.44	ug/l	98
10) Methyl Iodide	3.95	142	76038	16.68	ug/l	99
11) Tert butyl alcohol	4.79	59	30172	90.15	ug/l	99
12) 1,1-Dichloroethene	3.73	96	96614	17.06	ug/l	99
13) Acrolein	3.61	56	40498	86.61	ug/l	99
14) Allyl chloride	4.32	41	138707	16.59	ug/l	98
15) Acrylonitrile	4.99	53	153456	87.63	ug/l	99
16) Acetone	3.82	43	127220	89.36	ug/l	99
17) Carbon Disulfide	4.05	76	295198	16.90	ug/l	99
18) Methyl Acetate	4.33	43	72467	17.05	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	238516	17.57	ug/l	99
20) Methylene Chloride	4.55	84	113918	17.12	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	103852	16.73	ug/l	96
22) Diisopropyl ether	5.95	45	296621	18.32	ug/l	95
23) Vinyl Acetate	5.90	43	930596	88.70	ug/l	99
24) 1,1-Dichloroethane	5.85	63	187347	17.31	ug/l	100
25) 2-Butanone	6.84	43	172840	88.77	ug/l	99
26) 2,2-Dichloropropane	6.82	77	154914	17.60	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	114788	17.31	ug/l	100
28) Bromochloromethane	7.19	49	77011	16.15	ug/l	100
29) Tetrahydrofuran	7.21	42	107158	89.02	ug/l	99
30) Chloroform	7.37	83	190286	17.21	ug/l	99
31) Cyclohexane	7.65	56	165826	16.87	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	164656	17.35	ug/l	100
36) 1,1-Dichloropropene	7.79	75	144558	17.59	ug/l	99
37) Ethyl Acetate	6.93	43	75604	17.89	ug/l	98
38) Carbon Tetrachloride	7.77	117	149858	17.49	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157353	17.62	ug/l	97
40) Benzene	8.04	78	442553	18.10	ug/l	100
41) Methacrylonitrile	7.19	41	40841m	18.84	ug/l	
42) 1,2-Dichloroethane	8.13	62	128675	17.90	ug/l	100
43) Isopropyl Acetate	8.17	43	132410	18.11	ug/l	98
44) Trichloroethene	8.84	130	118898	17.30	ug/l	98
45) 1,2-Dichloropropane	9.12	63	114463	18.46	ug/l	99
46) Dibromomethane	9.21	93	67676	17.92	ug/l	98
47) Bromodichloromethane	9.40	83	142983	17.76	ug/l	99
48) Methyl methacrylate	9.20	41	62800	17.84	ug/l	98
49) 1,4-Dioxane	9.20	88	18222	357.71	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	363614	96.39	ug/l	99
52) Toluene	10.16	92	273119	18.66	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	134860	17.83	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	160585	17.78	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	95972	18.33	ug/l	98
56) Ethyl methacrylate	10.43	69	103875	17.02	ug/l	99
57) 1,3-Dichloropropane	10.71	76	158121	18.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	260603	93.48	ug/l	100
59) 2-Hexanone	10.75	43	230941	92.98	ug/l	99
60) Dibromochloromethane	10.90	129	110171	17.88	ug/l	100
61) 1,2-Dibromoethane	11.01	107	91734	18.23	ug/l	98
64) Tetrachloroethene	10.63	164	109567	17.09	ug/l	98
65) Chlorobenzene	11.43	112	293455	17.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	111375	17.61	ug/l	99
67) Ethyl Benzene	11.51	91	475890	17.88	ug/l	100
68) m/p-Xylenes	11.62	106	381904	36.93	ug/l	99
69) o-Xylene	11.95	106	180050	18.27	ug/l	100
70) Styrene	11.96	104	279154	16.86	ug/l	99
71) Bromoform	12.13	173	73370	17.49	ug/l #	100
73) Isopropylbenzene	12.25	105	473698	17.94	ug/l	99
74) N-amyl acetate	12.07	43	91504	16.88	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	113286	18.86	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	89343m	19.14	ug/l	
77) Bromobenzene	12.53	156	121413	17.81	ug/l	98
78) n-propylbenzene	12.59	91	519469	18.24	ug/l	100
79) 2-Chlorotoluene	12.67	91	317440	17.53	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	389951	18.47	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25846	18.33	ug/l	100
82) 4-Chlorotoluene	12.77	91	308120	17.89	ug/l	99
83) tert-Butylbenzene	12.99	119	335331	17.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	384217	18.74	ug/l	100
85) sec-Butylbenzene	13.17	105	441590	18.64	ug/l	100
86) p-Isopropyltoluene	13.29	119	379448	19.10	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	196072	16.81	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	190267	17.49	ug/l	98
89) n-Butylbenzene	13.62	91	259218	17.27	ug/l	99
90) Hexachloroethane	13.87	117	72351	18.13	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	194028	17.73	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13888	18.14	ug/l	96

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61859	15.57	ug/l	99
94) Hexachlorobutadiene	15.01	225	69681	18.59	ug/l	98
95) Naphthalene	15.13	128	106975	15.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	68107	16.44	ug/l	99

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

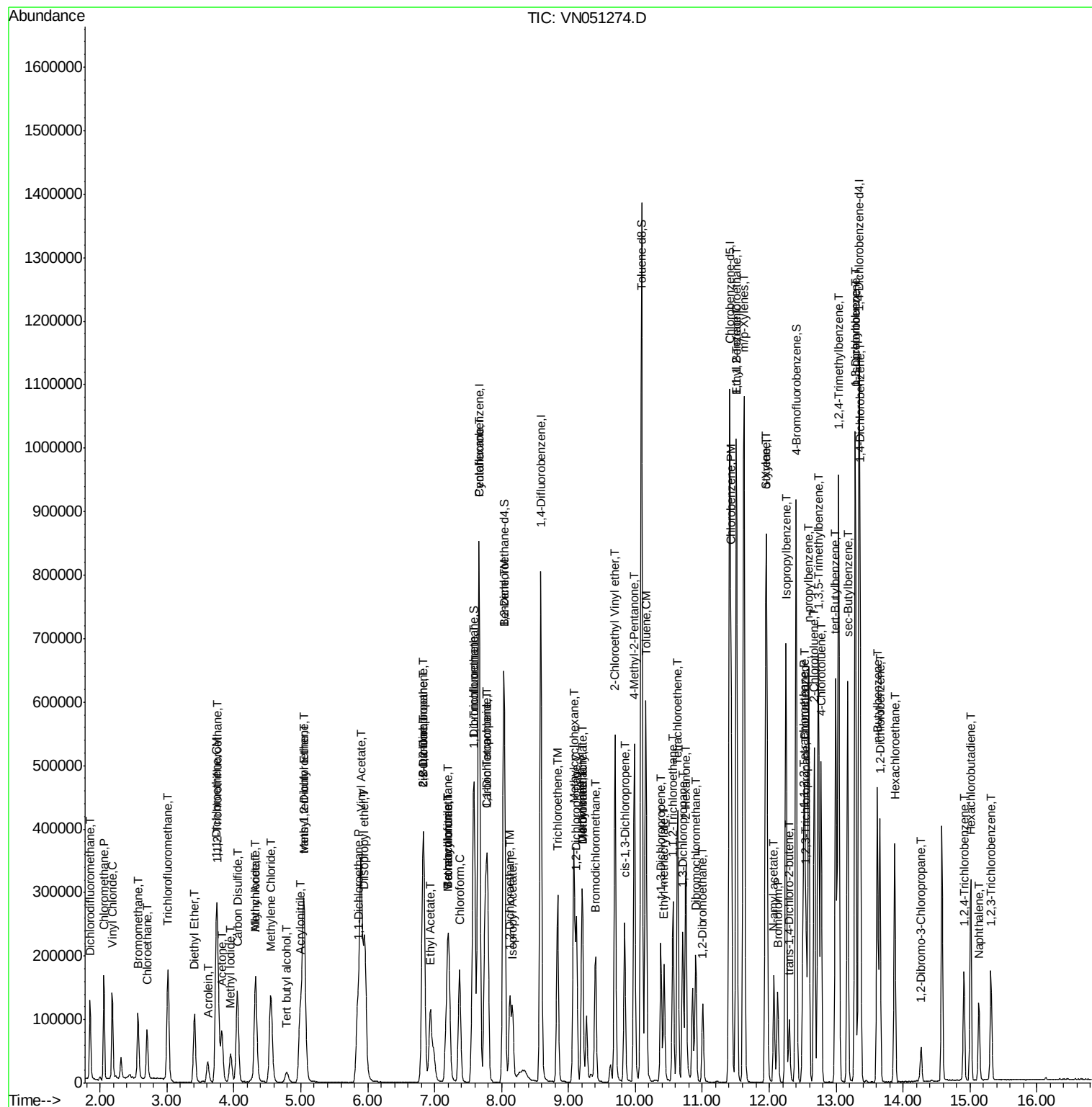
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Data File : VN051274.D
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Operator : MD\SY
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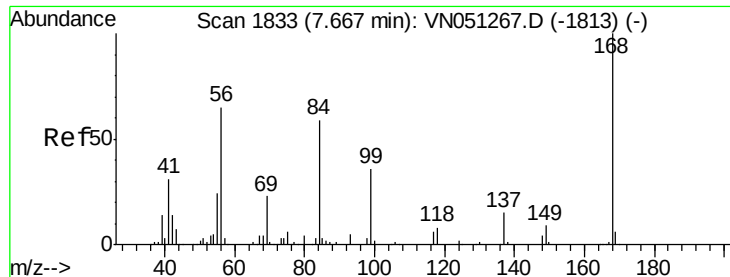
Instrument :
MSVOA_N
Client Sampled :
VN0917WBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:168 Resp: 559262

Ion Ratio Lower Upper

168 100

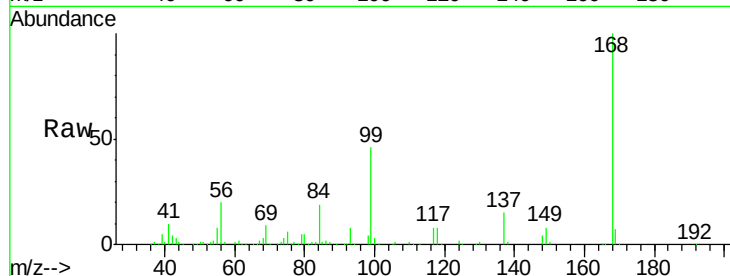
99 45.9 38.2 57.4

Manual Integrations

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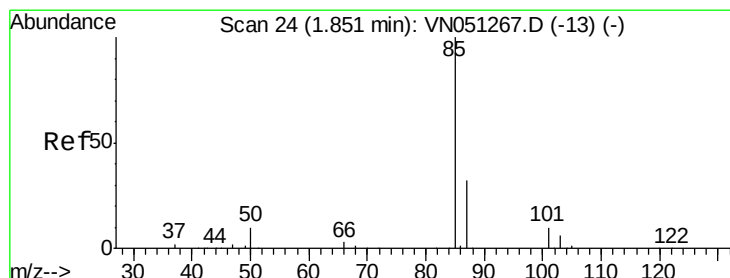
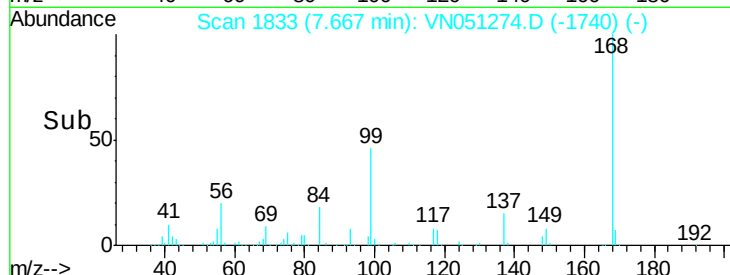
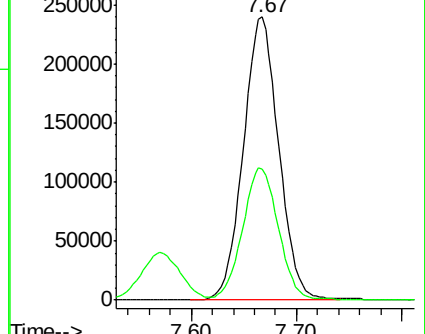
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.99 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051274.D

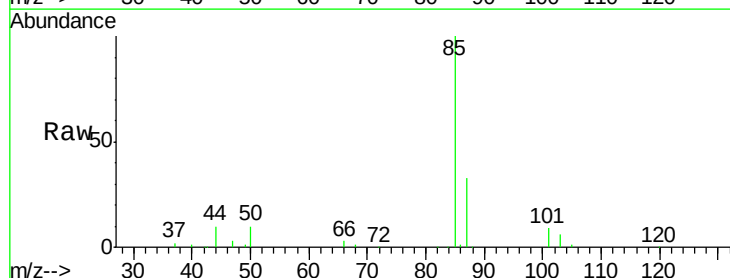
Acq: 17 Sep 2018 16:59

Tgt Ion: 85 Resp: 97571

Ion Ratio Lower Upper

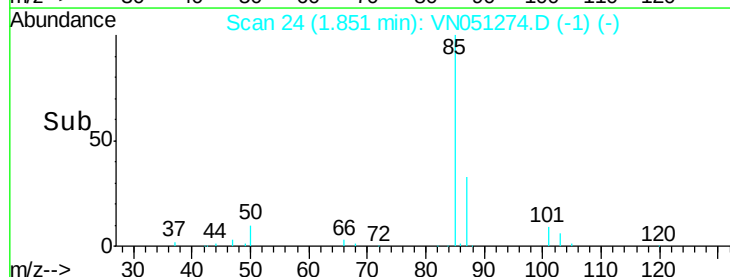
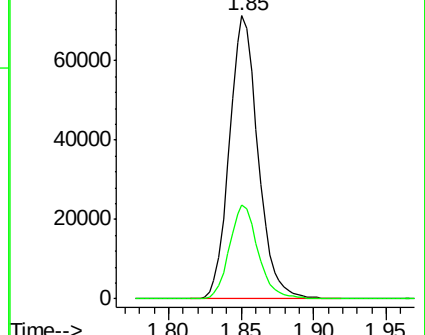
85 100

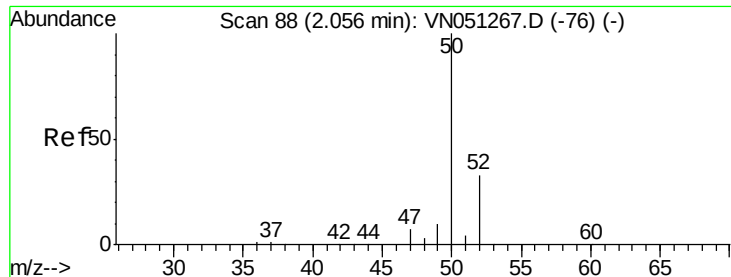
87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.46 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 50 Resp: 131902

Ion Ratio Lower Upper

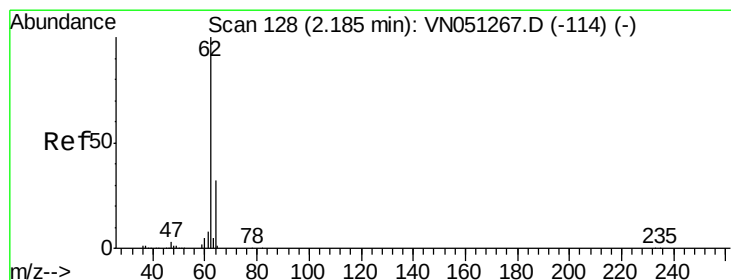
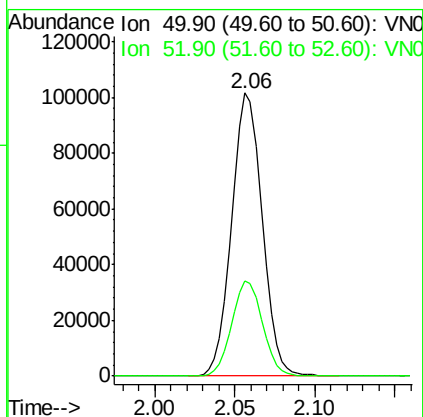
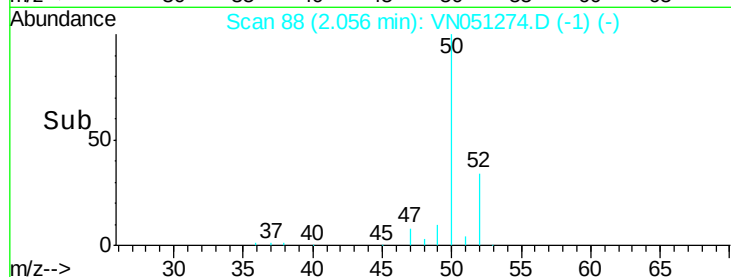
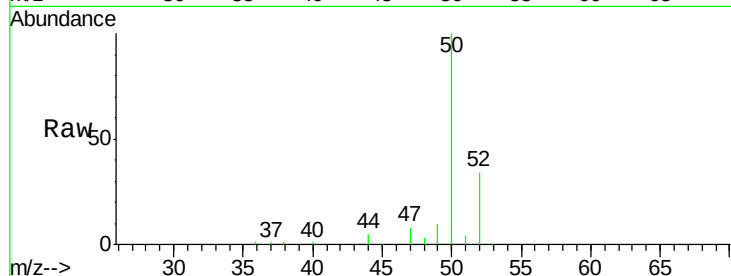
50 100

52 33.6 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.88 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051274.D

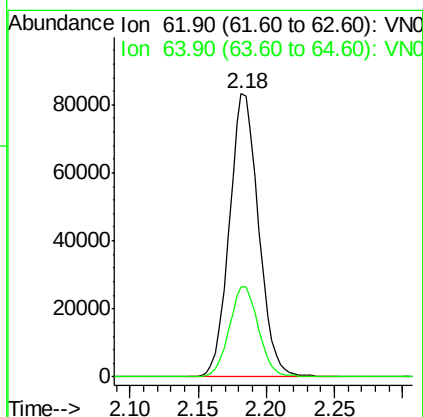
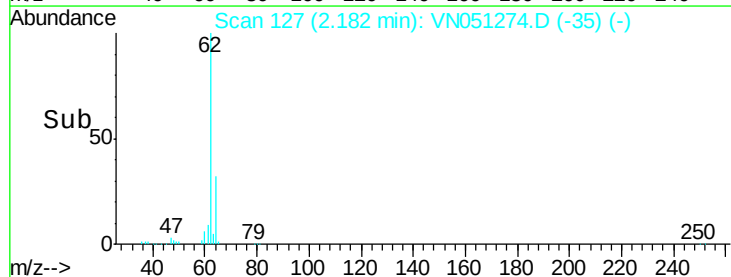
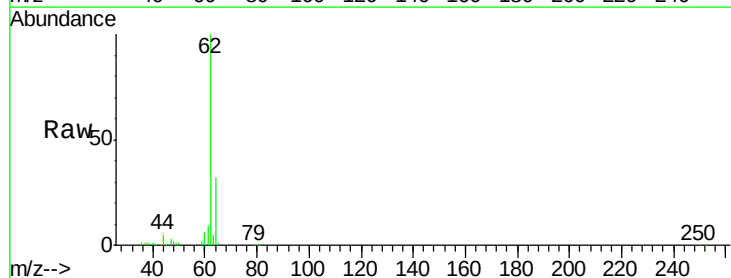
Acq: 17 Sep 2018 16:59

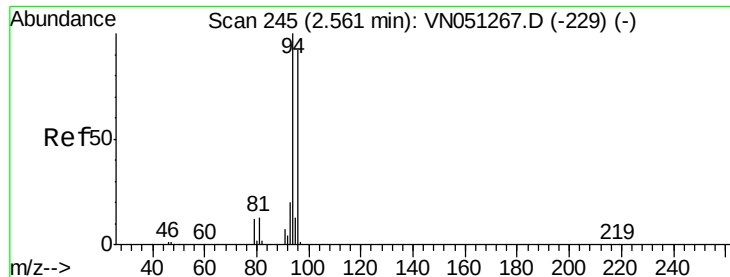
Tgt Ion: 62 Resp: 123615

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.6





#5

Bromomethane

Concen: 16.11 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

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ClientSampleId :

VN0917WBS01

Tot Ion: 94 Resp: 68144

Ion Ratio Lower Upper

94 100

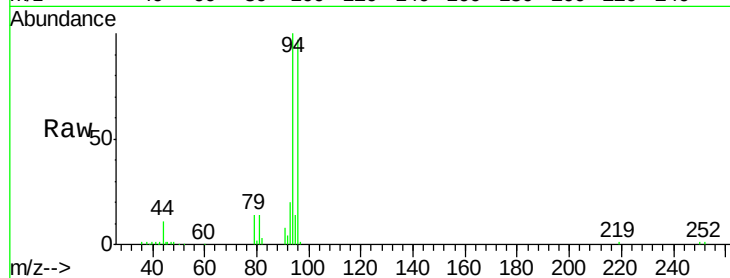
96 97.1 73.8 110.8

Manual Integrations

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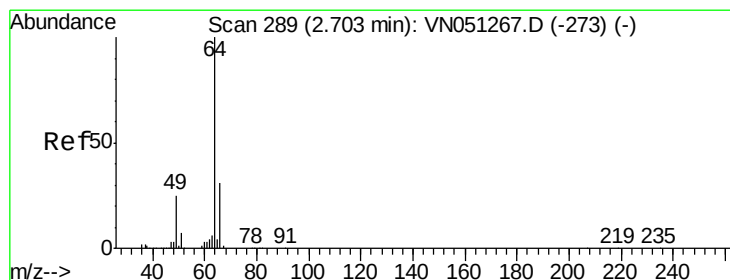
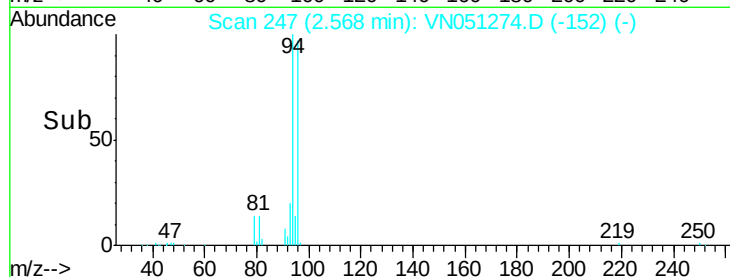
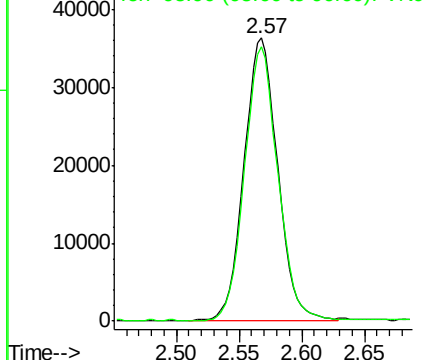
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.33 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051274.D

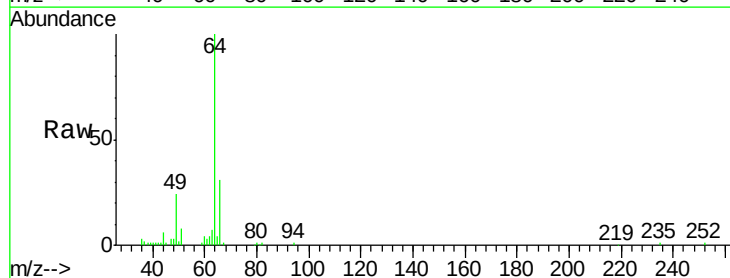
Acq: 17 Sep 2018 16:59

Tgt Ion: 64 Resp: 75682

Ion Ratio Lower Upper

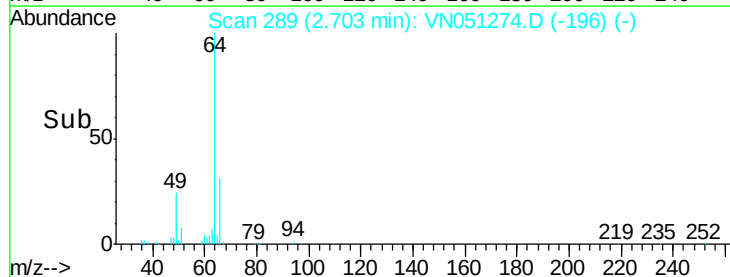
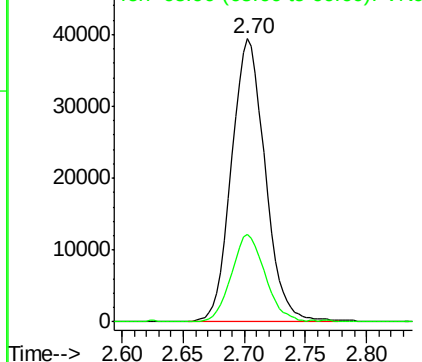
64 100

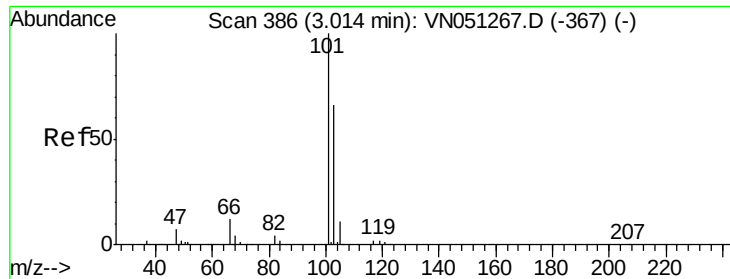
66 31.1 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

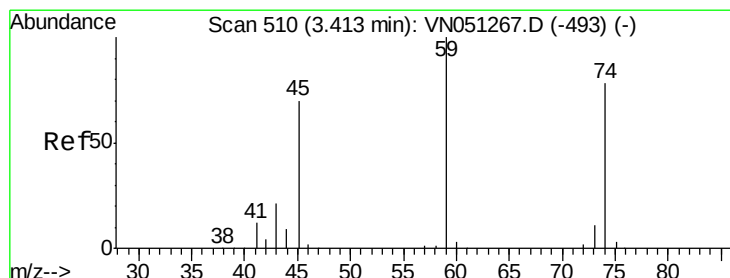
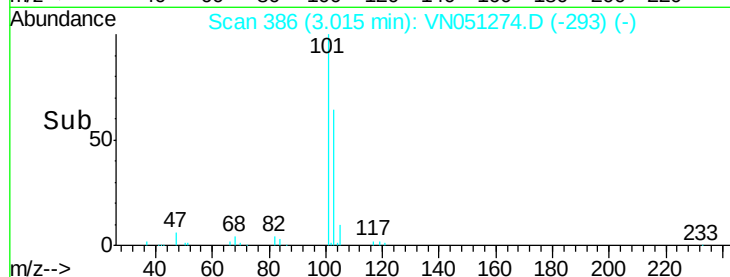
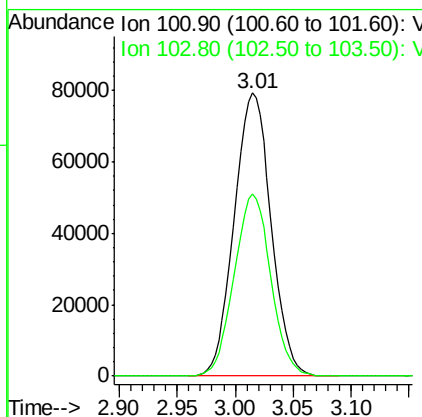
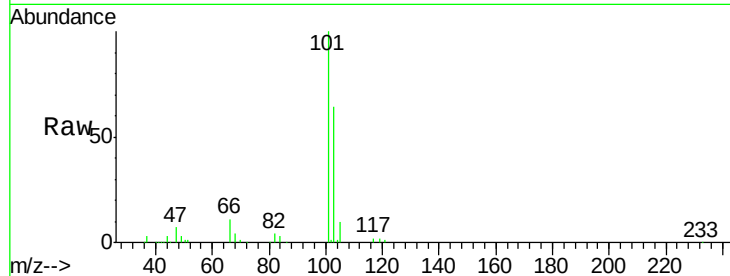
Trichlorofluoromethane
 Concen: 17.44 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
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 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.7	79.1

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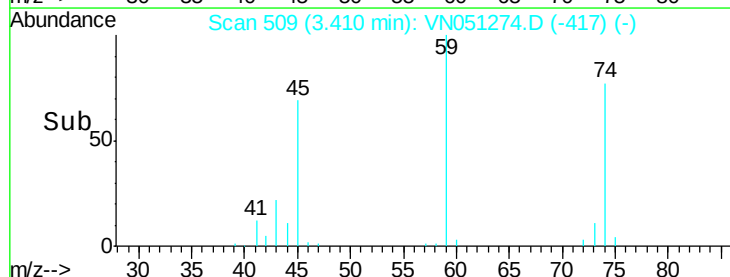
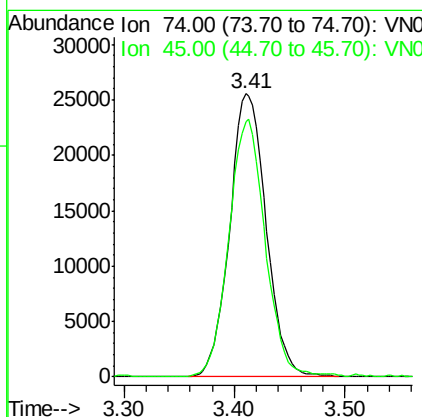
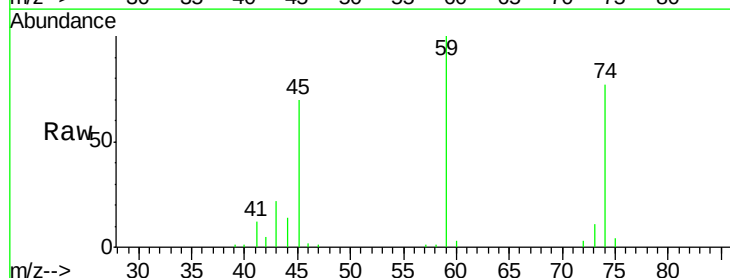
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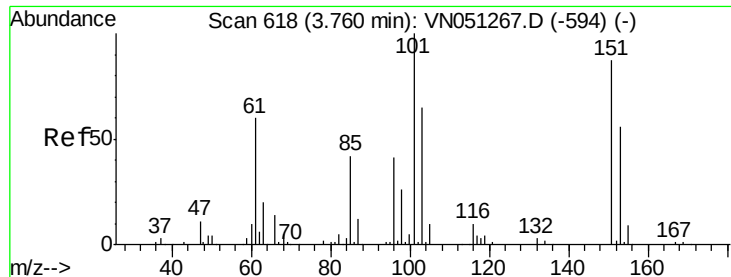


#8

Diethyl Ether
 Concen: 17.82 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.6	46.4	139.2





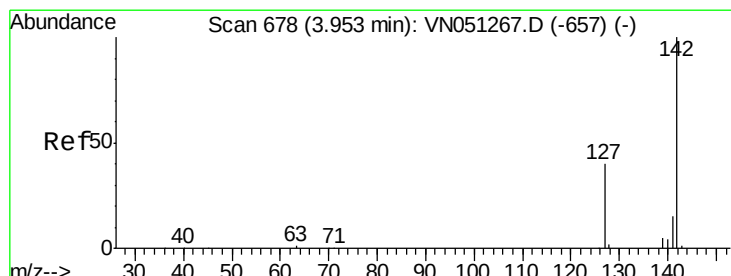
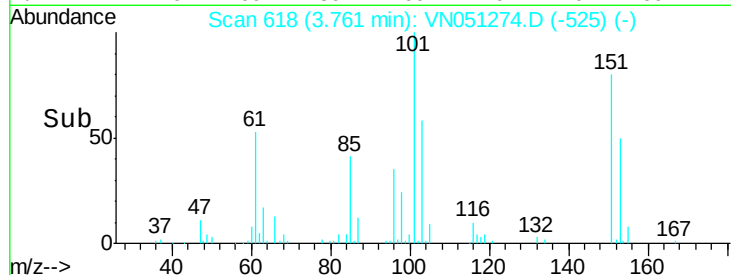
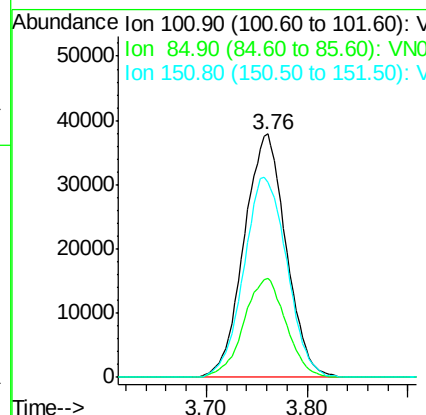
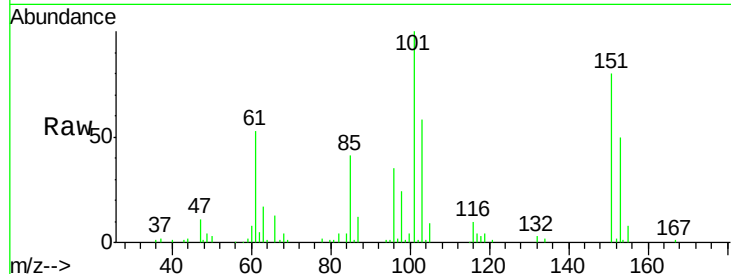
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.44 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	109369		
85	40.9	33.0	49.6	
151	84.4	69.8	104.8	

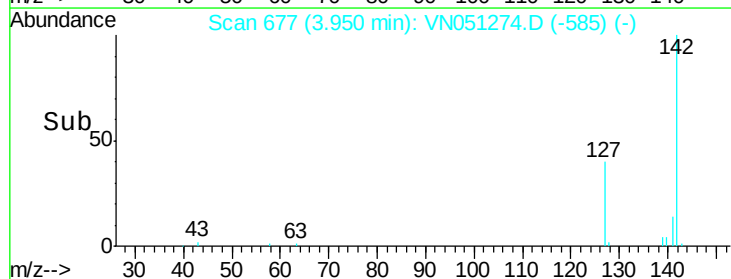
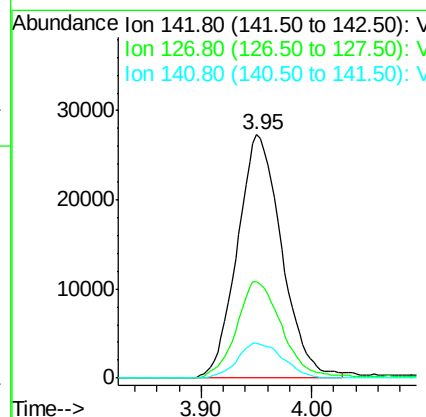
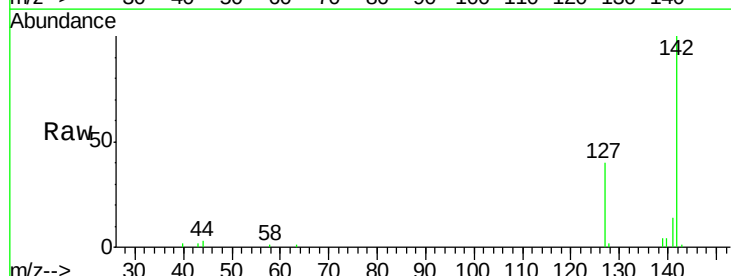
Manual Integrations
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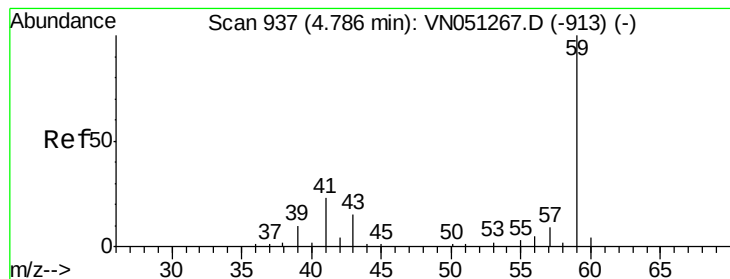
MMDadoda
 9/19/2018 4:57:55 PM



#10
 Methyl Iodide
 Concen: 16.68 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	76038		
127	40.2	31.7	47.5	
141	14.6	11.6	17.4	





#11

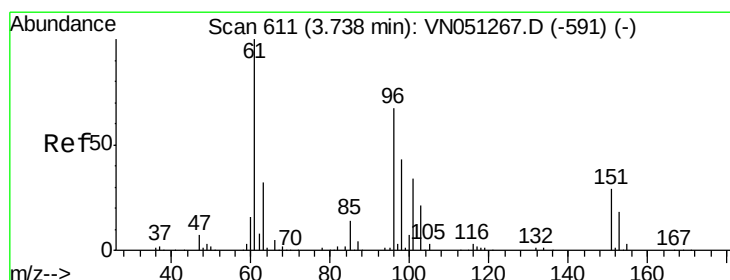
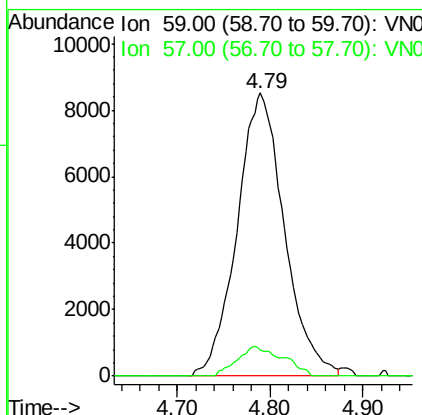
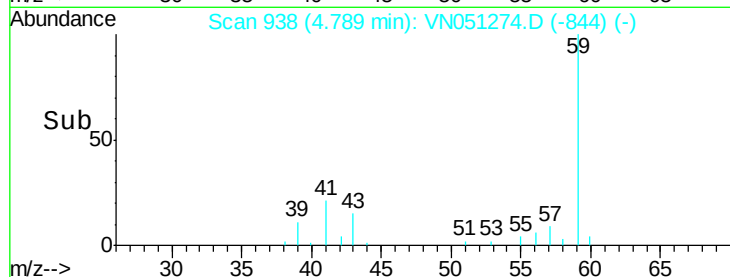
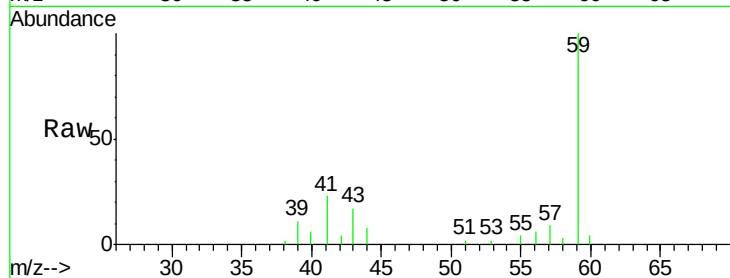
Tert butyl alcohol
 Concen: 90.15 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.9	11.9

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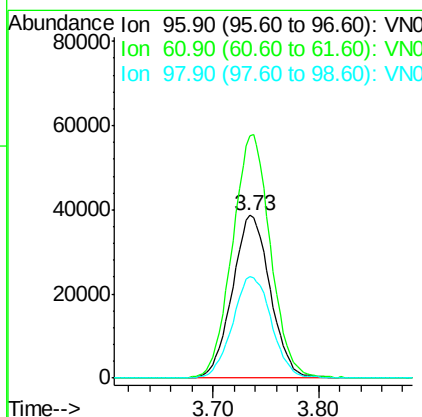
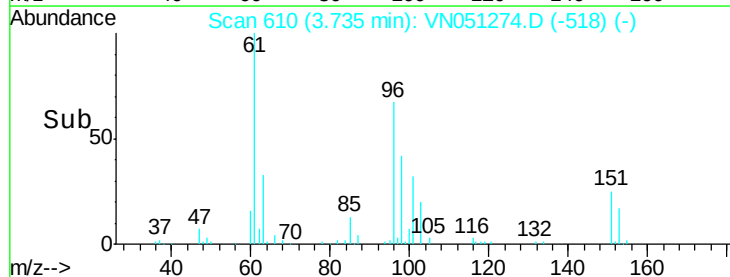
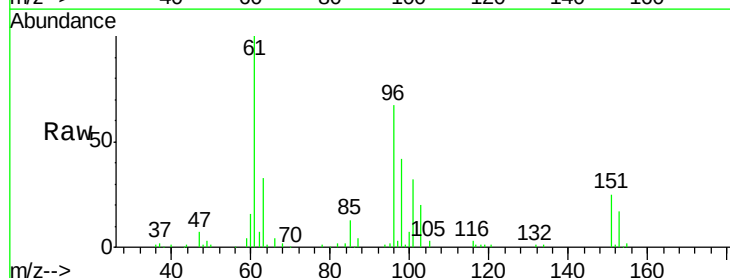
MMDadoda
 9/19/2018 4:57:55 PM

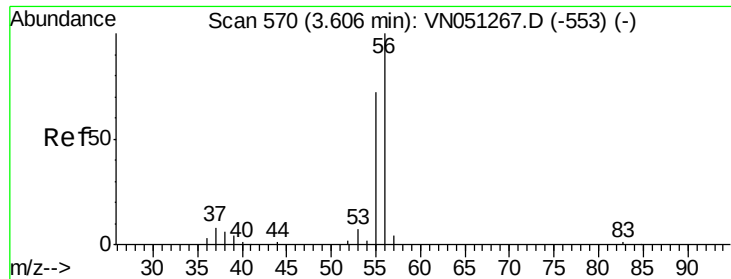


#12

1,1-Dichloroethene
 Concen: 17.06 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	119.3	178.9
98	62.4	51.8	77.6





#13

Acrolein

Concen: 86.61 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 56 Resp: 40498

Ion Ratio Lower Upper

56 100

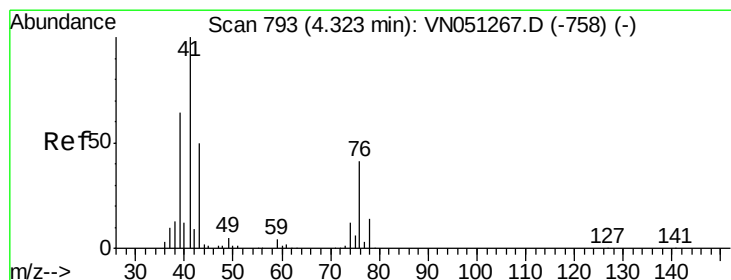
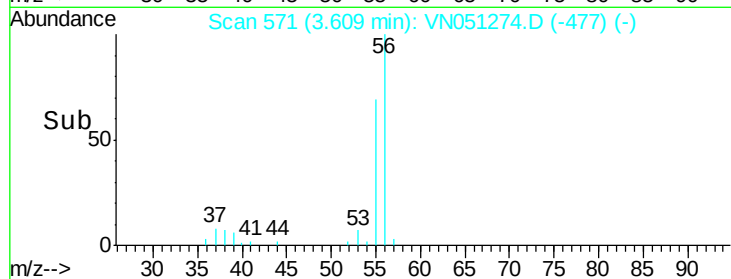
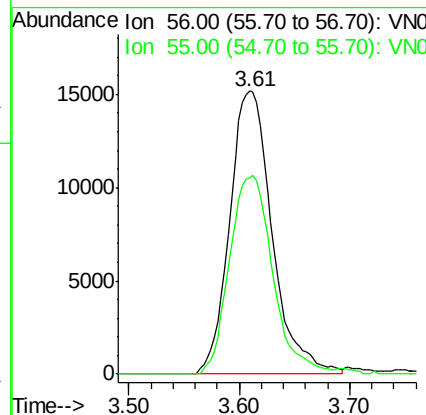
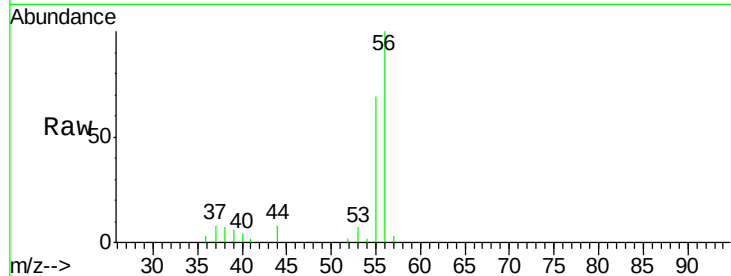
55 71.3 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 16.59 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

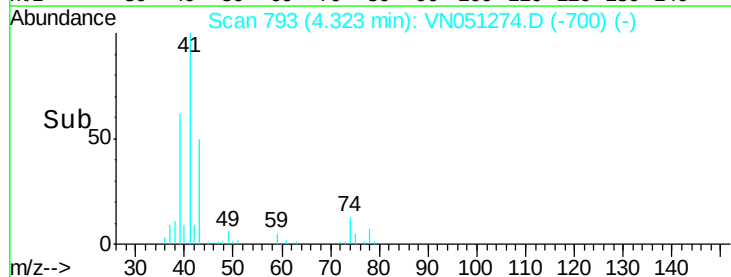
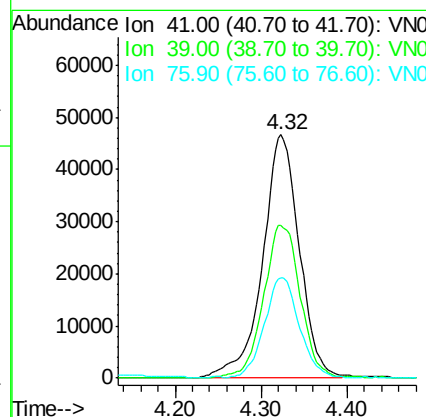
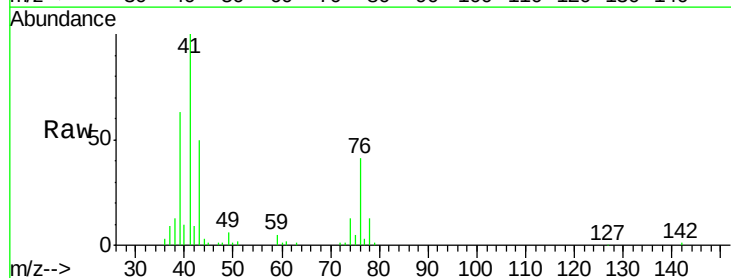
Tgt Ion: 41 Resp: 138707

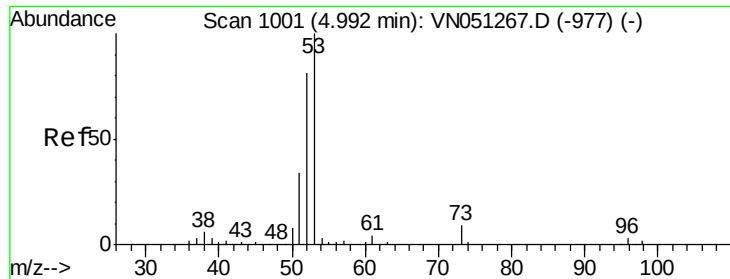
Ion Ratio Lower Upper

41 100

39 63.0 49.0 73.4

76 39.4 31.4 47.0





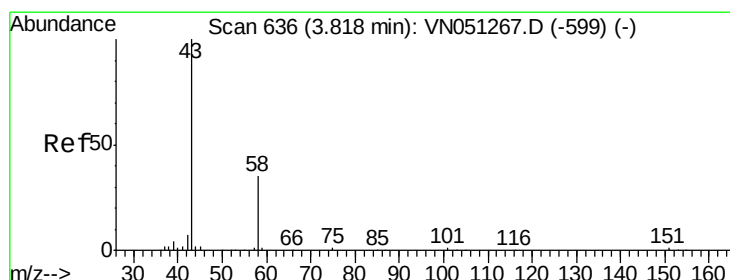
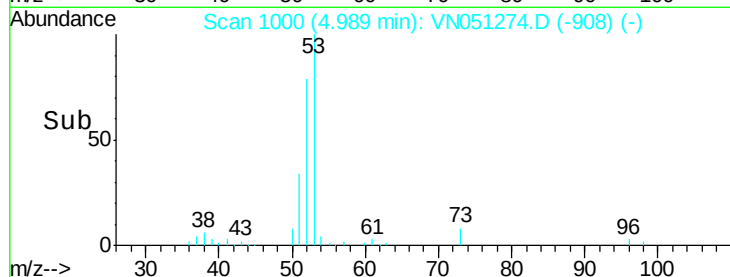
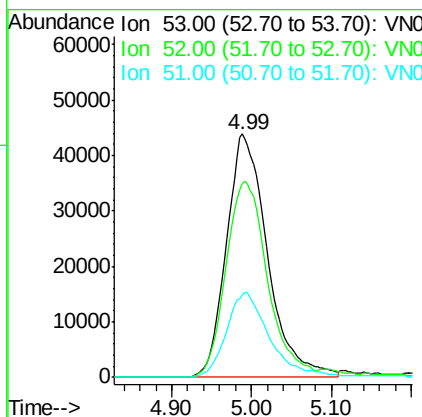
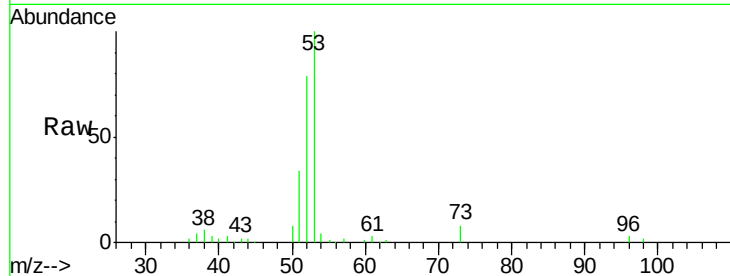
#15
 Acrylonitrile
 Concen: 87.63 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.0	97.6
51	36.7	28.0	42.0

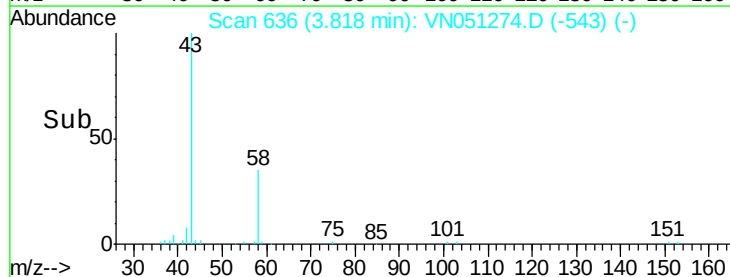
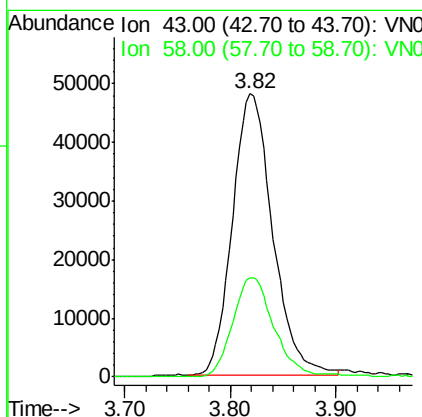
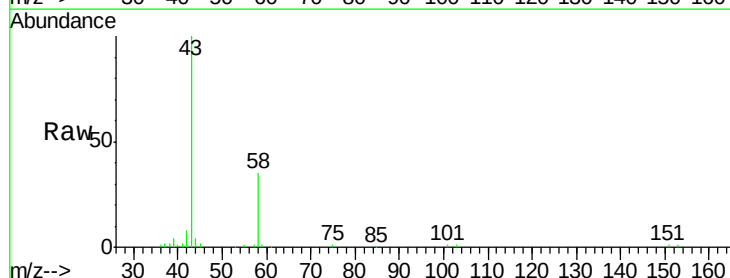
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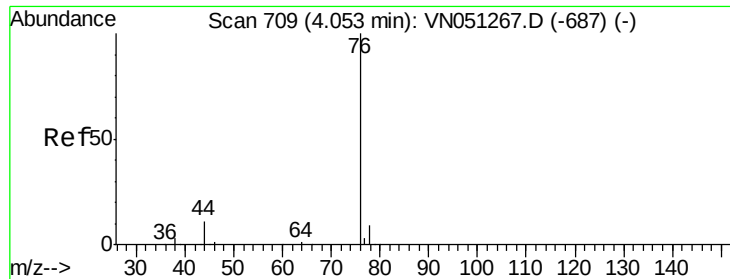
MMDadoda
 9/19/2018 4:57:55 PM



#16
 Acetone
 Concen: 89.36 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.2	42.2





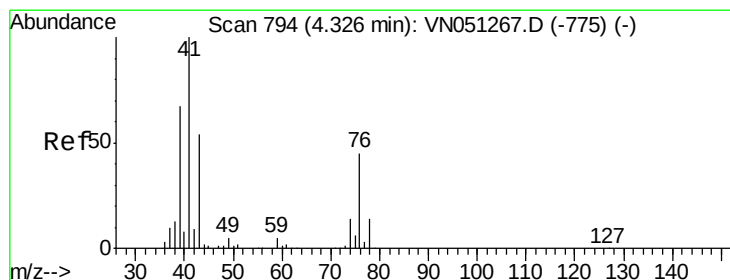
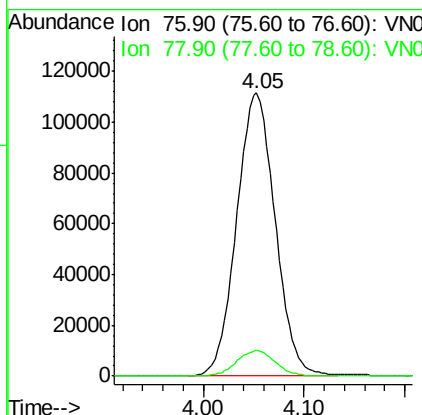
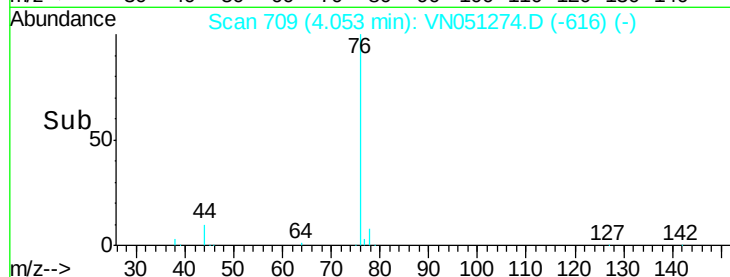
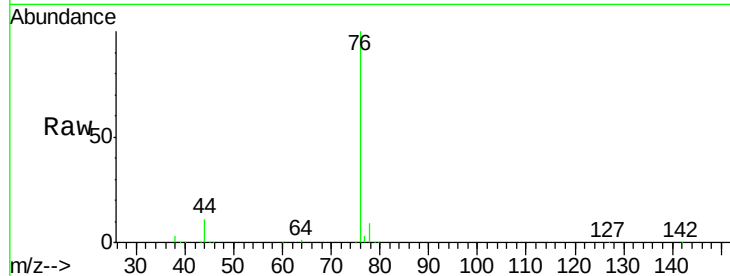
#17
Carbon Disulfide
Concen: 16.90 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

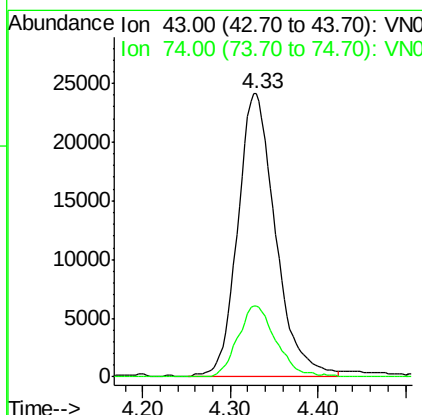
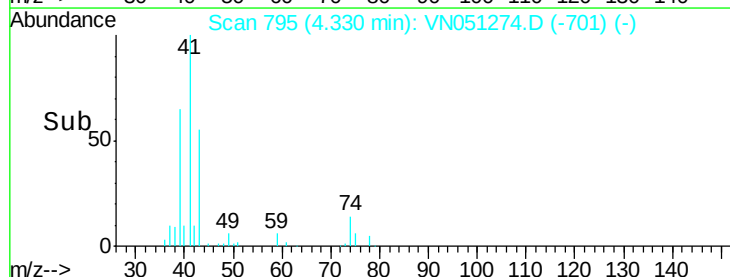
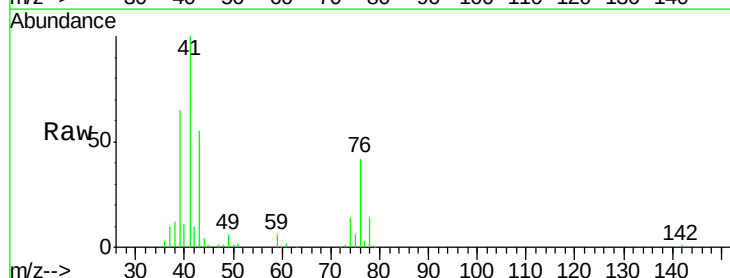
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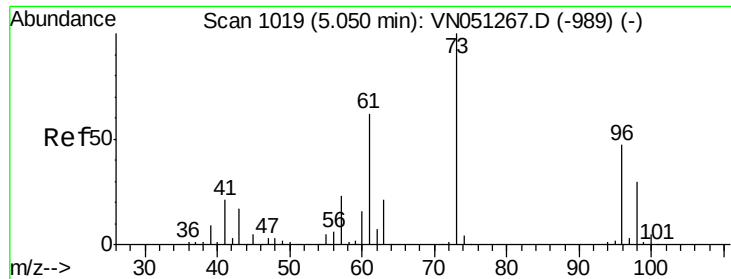
MMDadoda
9/19/2018 4:57:55 PM



#18
Methyl Acetate
Concen: 17.05 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.8	31.2





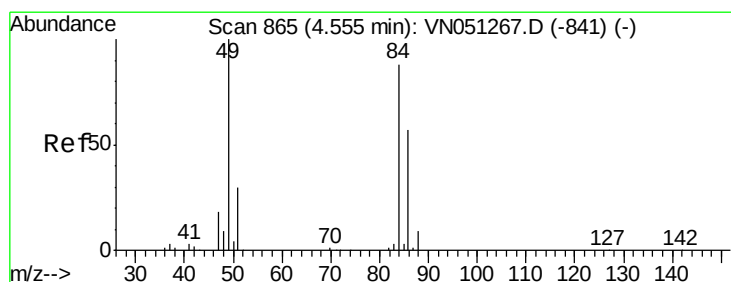
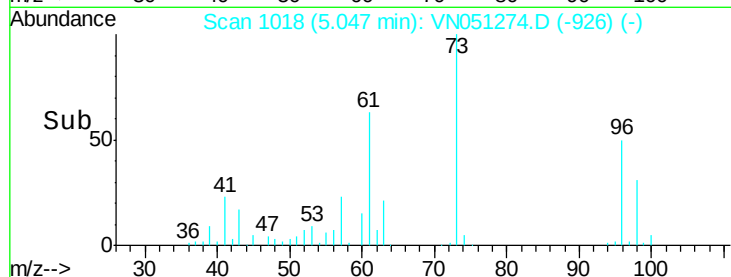
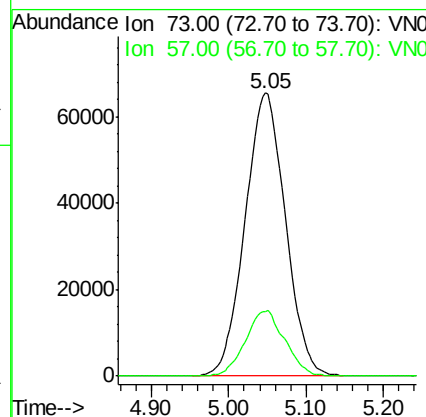
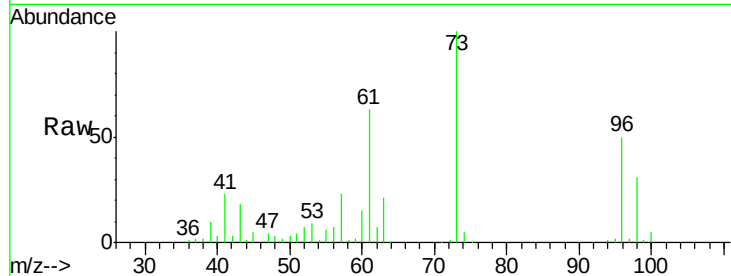
#19
Methyl tert-butyl Ether
Concen: 17.57 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.1	27.1

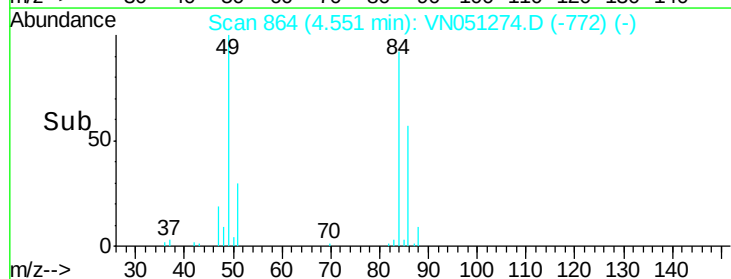
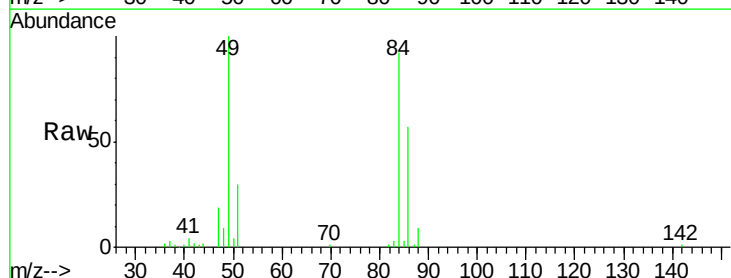
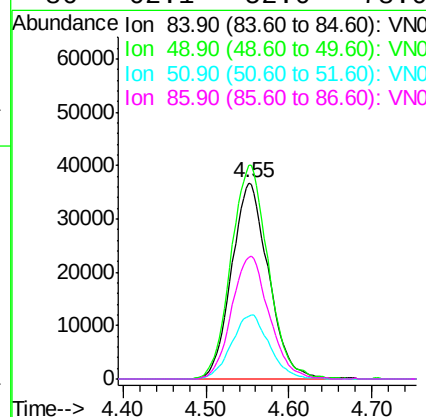
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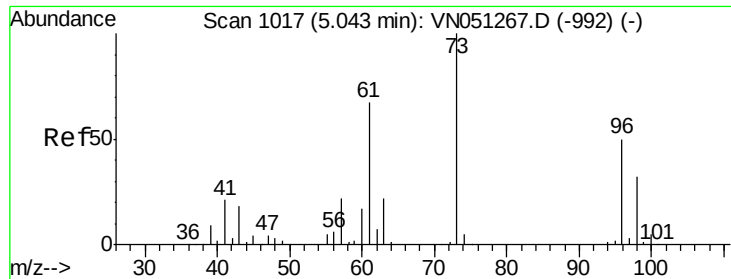
MMDadoda
9/19/2018 4:57:55 PM



#20
Methylene Chloride
Concen: 17.12 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.8	91.2	136.8
51	32.3	27.7	41.5
86	62.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 16.73 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 96 Resp: 103852

Ion Ratio Lower Upper

96 100

61 128.9 106.7 160.1

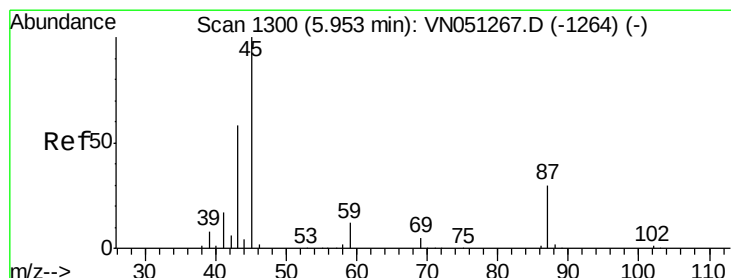
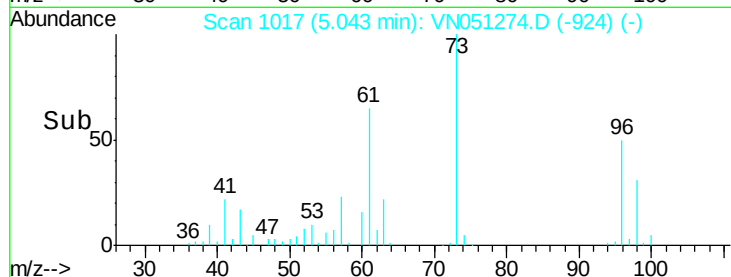
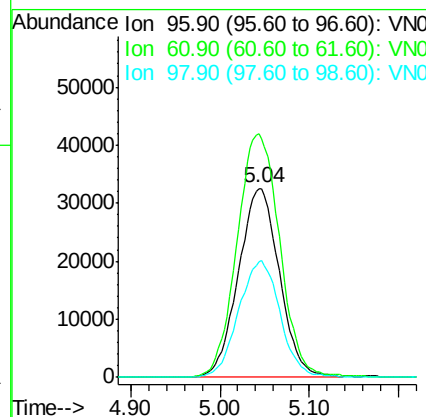
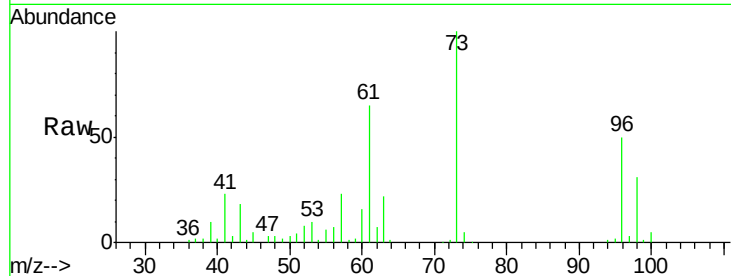
98 61.5 51.4 77.0

Manual Integrations

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9/19/2018 4:57:55 PM



#22

Diisopropyl ether

Concen: 18.32 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion: 45 Resp: 296621

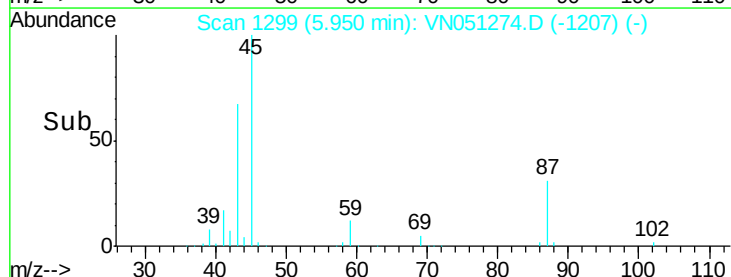
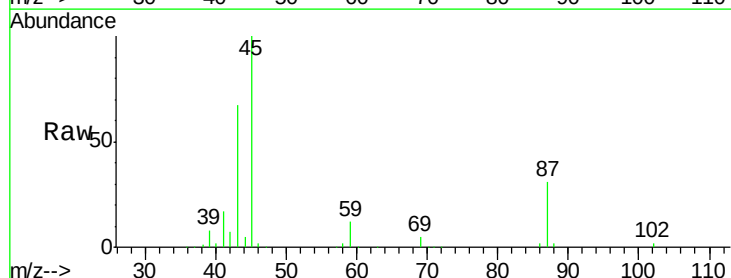
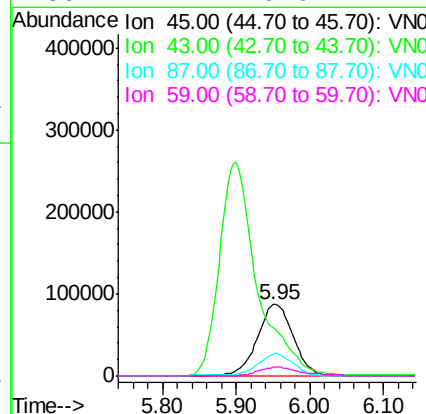
Ion Ratio Lower Upper

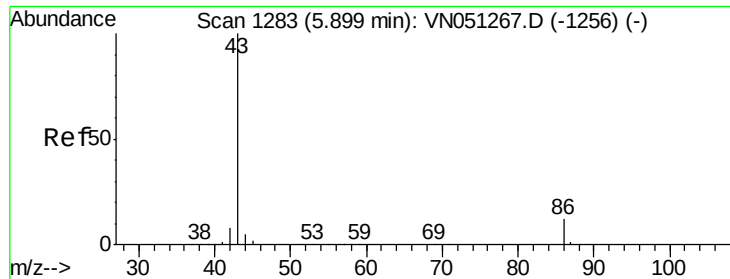
45 100

43 64.9 46.7 70.1

87 31.0 24.6 36.8

59 11.7 9.6 14.4





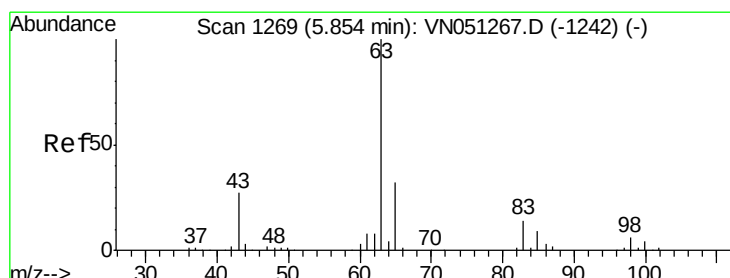
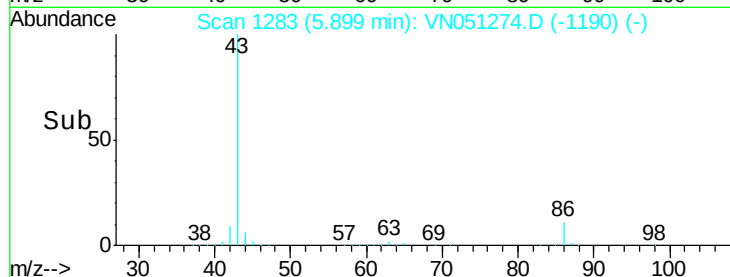
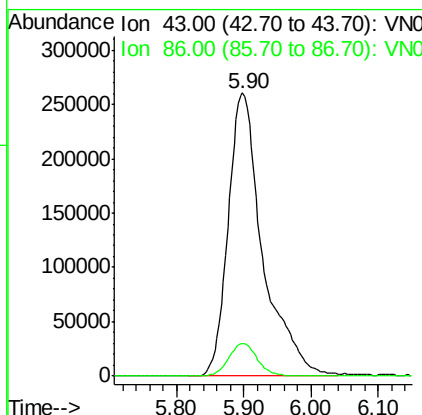
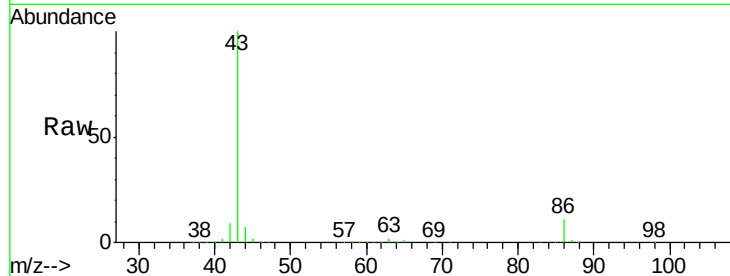
#23
 Vinyl Acetate
 Concen: 88.70 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	43	Resp	930596
Ion Ratio	100	Lower	Upper
43	100		
86	11.4	9.3	13.9

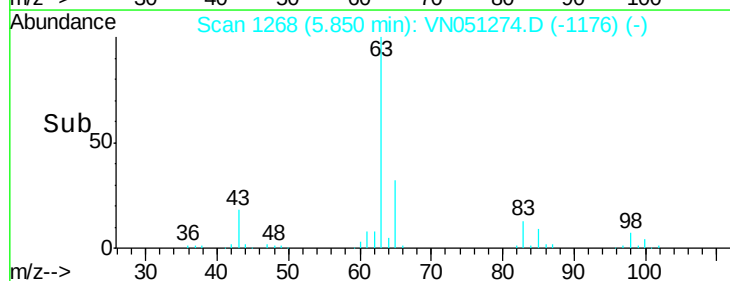
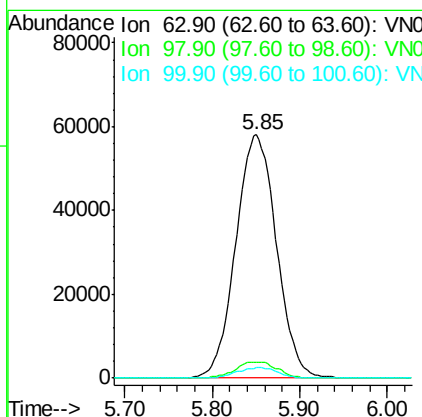
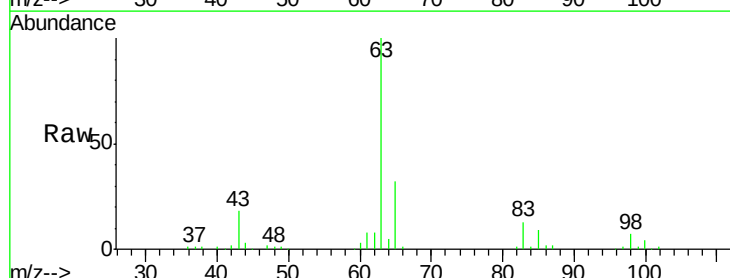
Manual Integrations
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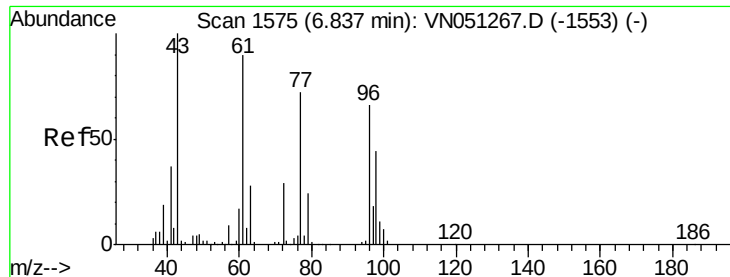
MMDadoda
 9/19/2018 4:57:55 PM



#24
 1,1-Dichloroethane
 Concen: 17.31 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	63	Resp	187347
Ion Ratio	100	Lower	Upper
63	100		
98	6.6	3.3	9.8
100	4.3	2.3	6.8





#25

2-Butanone

Concen: 88.77 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 43 Resp: 172840

Ion Ratio Lower Upper

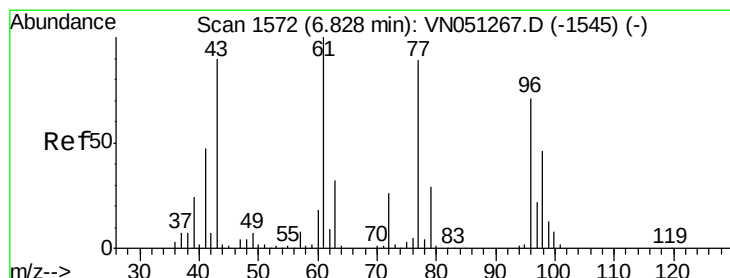
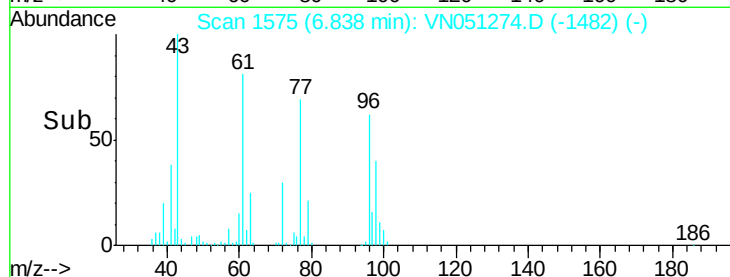
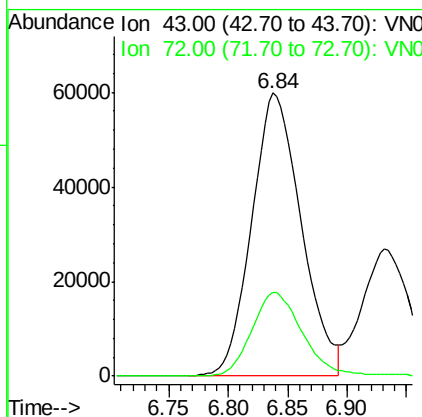
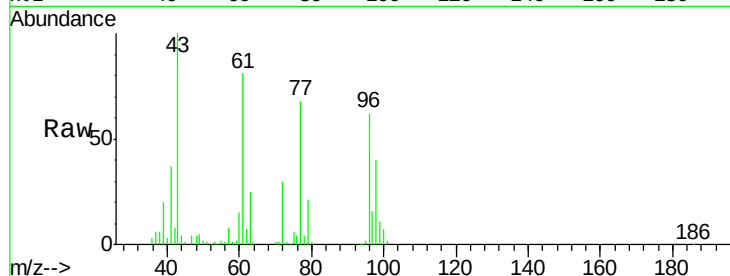
43 100

72 29.5 23.4 35.0

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.60 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051274.D

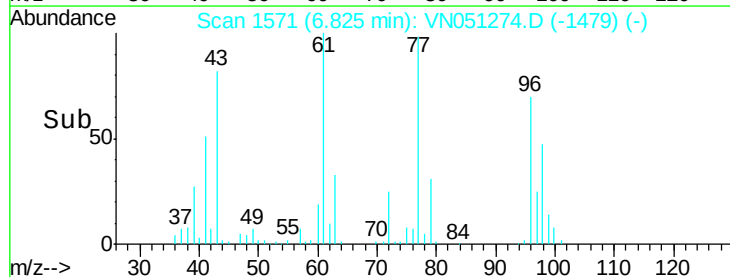
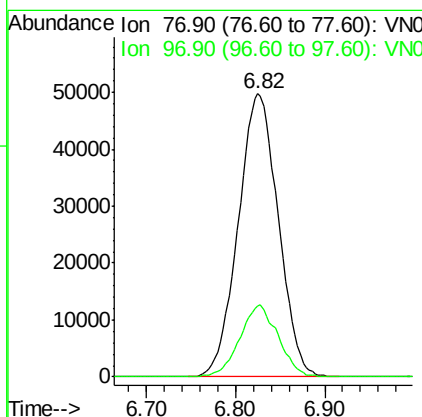
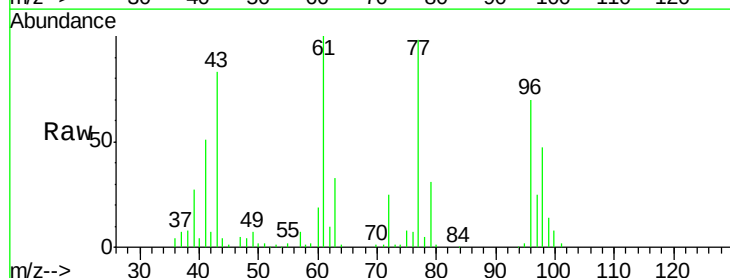
Acq: 17 Sep 2018 16:59

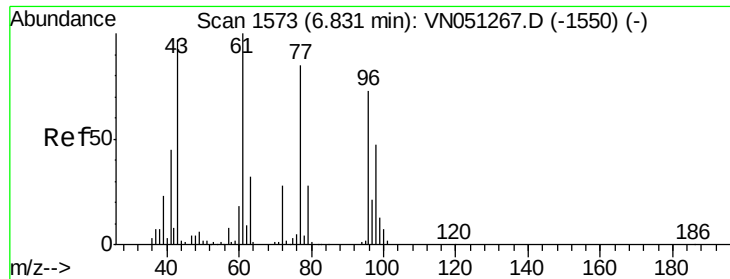
Tgt Ion: 77 Resp: 154914

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 17.31 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 96 Resp: 114788

Ion Ratio Lower Upper

96 100

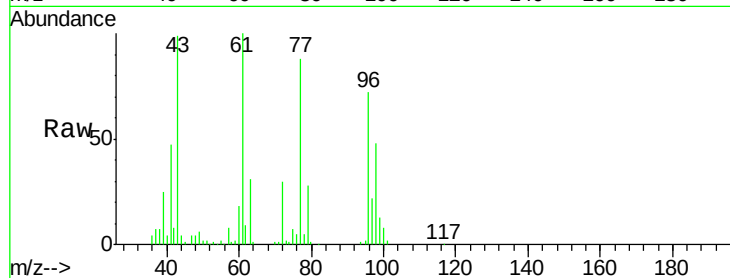
61 137.6 0.0 276.2

98 65.0 0.0 129.2

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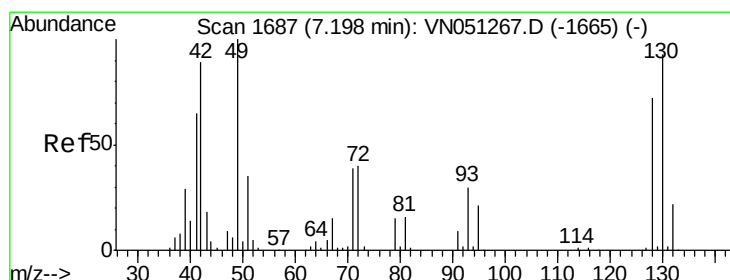
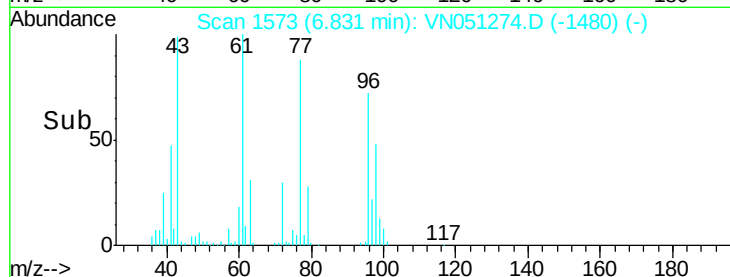
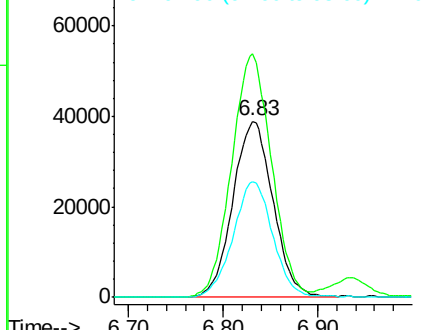
9/19/2018 4:57:55 PM



Abundance Ion 95.90 (95.60 to 96.60): VN051267.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051267.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051267.D (-1550) (-)



#28

Bromochloromethane

Concen: 16.15 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

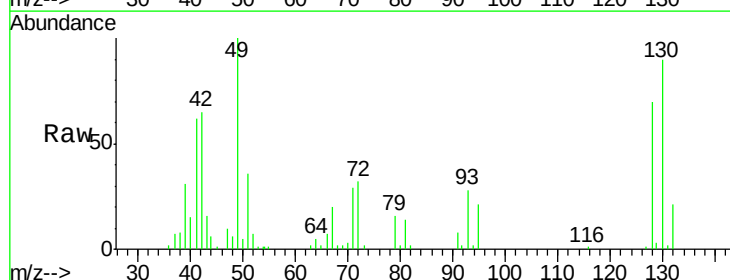
Tgt Ion: 49 Resp: 77011

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

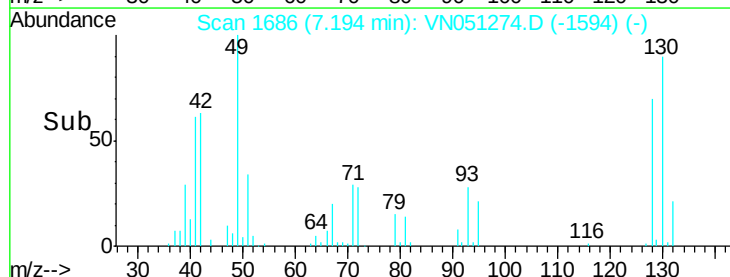
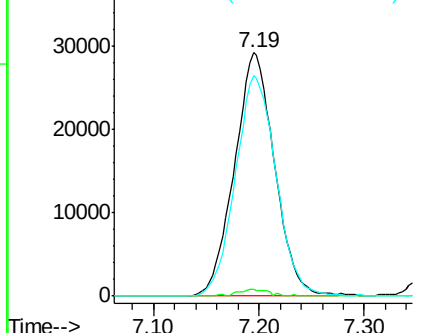
130 92.1 73.7 110.5

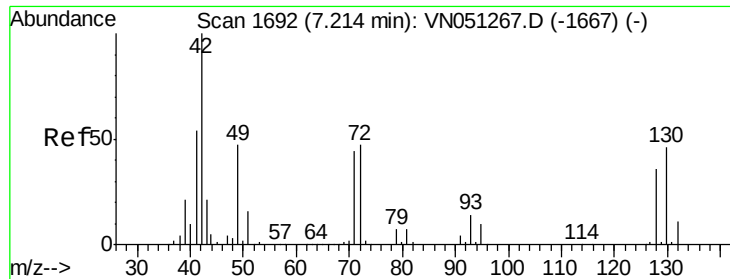


Abundance Ion 48.90 (48.60 to 49.60): VN051267.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051267.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051267.D (-1665) (-)





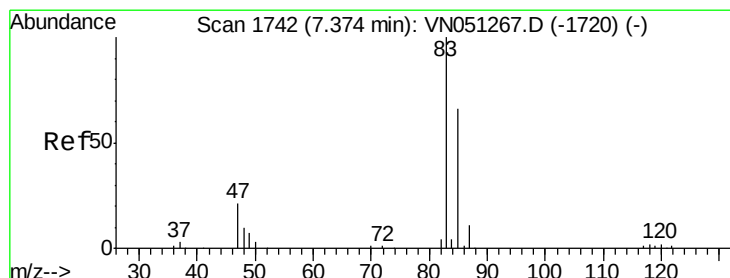
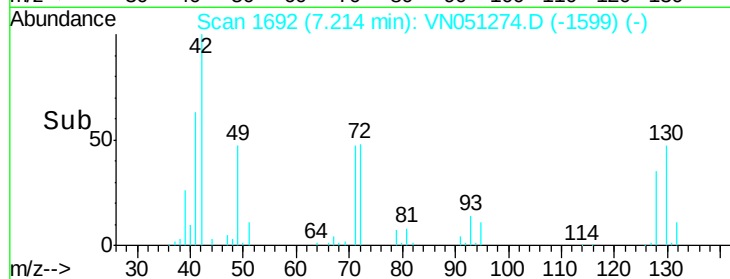
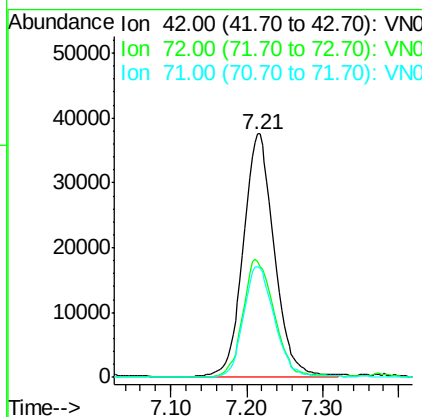
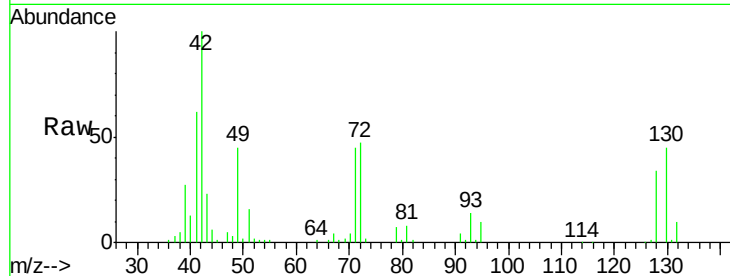
#29
Tetrahydrofuran
Concen: 89.02 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	37.6	56.4
71	44.8	35.4	53.2

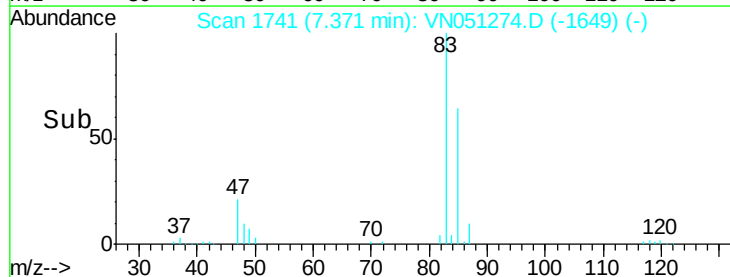
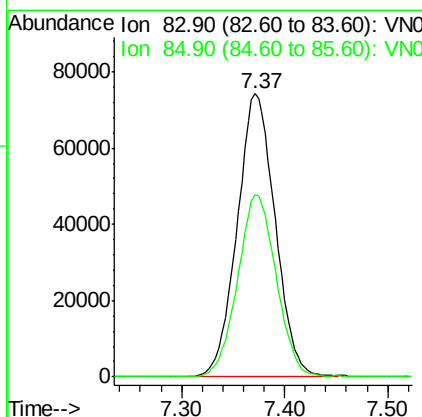
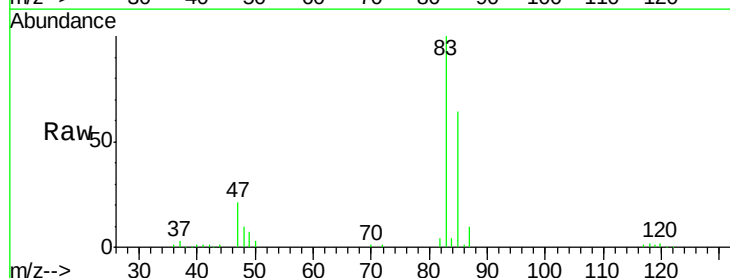
Manual Integrations
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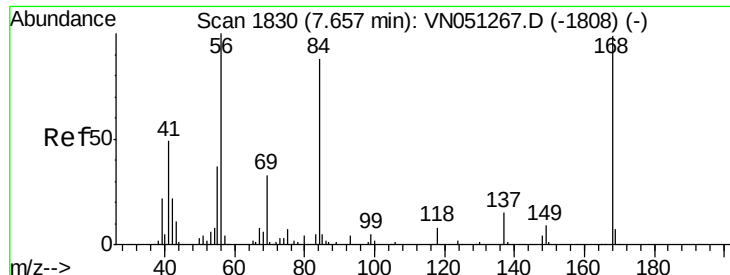
MMDadoda
9/19/2018 4:57:55 PM



#30
Chloroform
Concen: 17.21 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





#31

Cyclohexane

Concen: 16.87 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

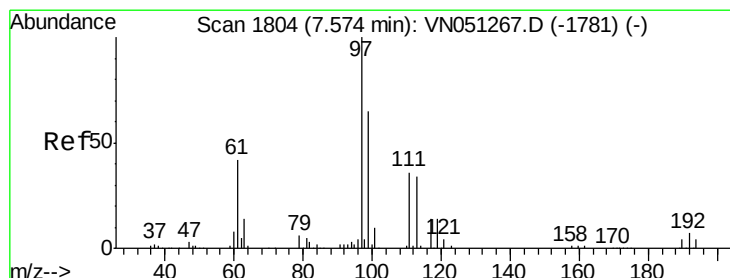
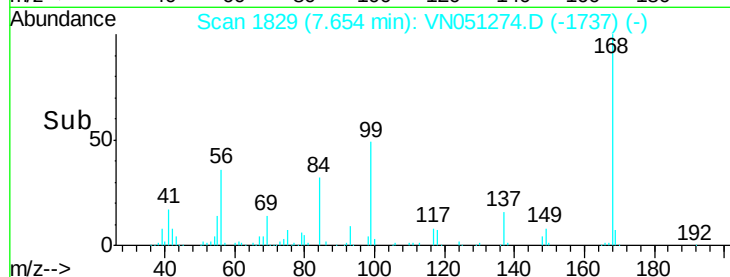
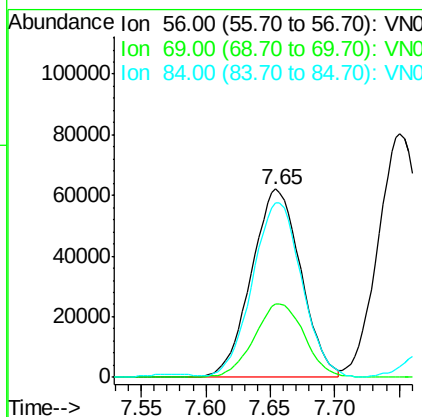
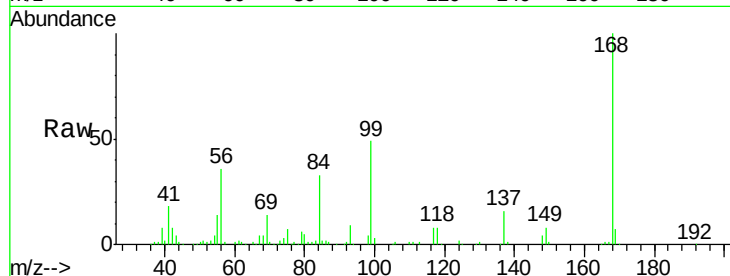
ClientSampleId :

VN0917WBS01

Tot Ion:	56	Resp:	165826
Ion	Ratio	Lower	Upper
56	100		
69	38.9	26.2	39.2
84	91.4	70.6	106.0

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#32

1,1,1-Trichloroethane

Concen: 17.35 ug/l

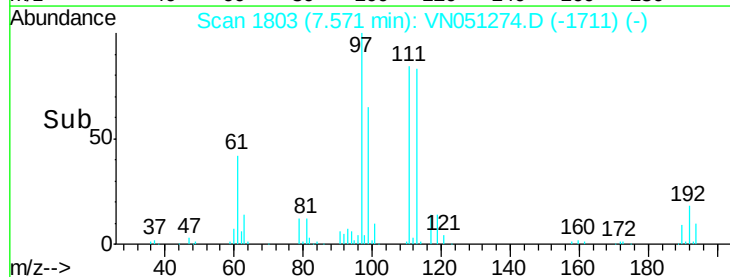
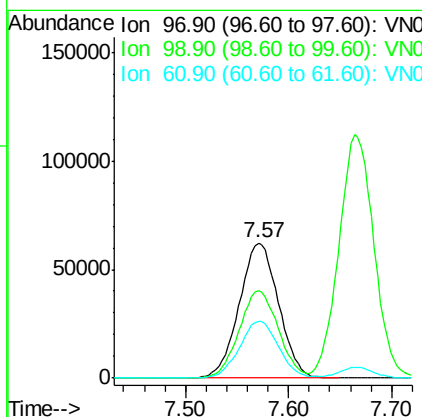
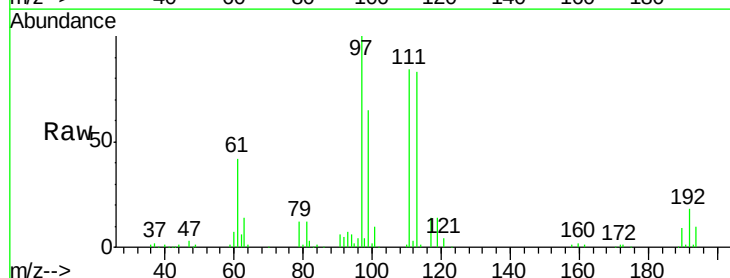
RT: 7.57 min Scan# 1803

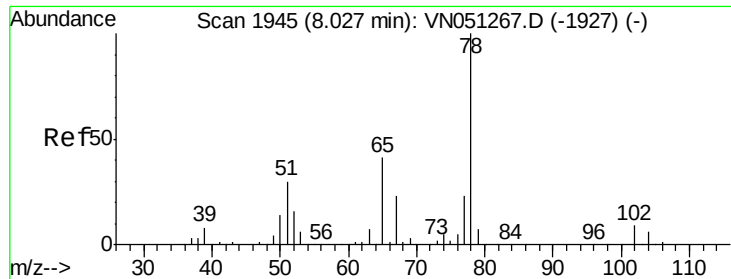
Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion:	97	Resp:	164656
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	42.0	33.4	50.2





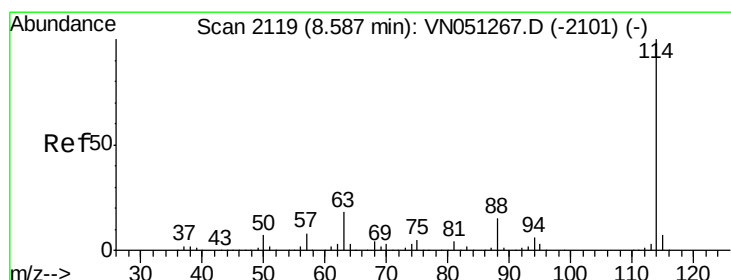
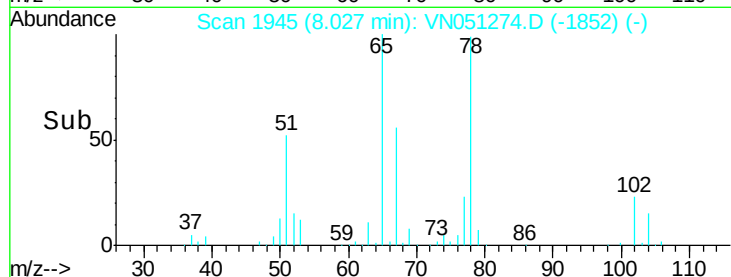
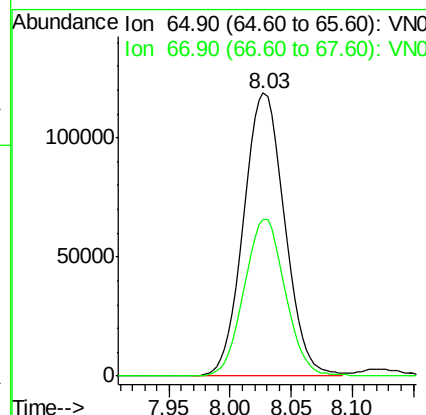
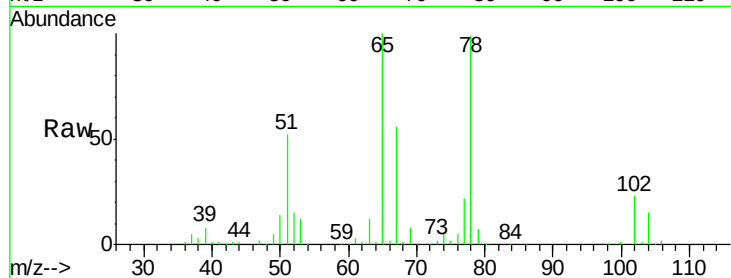
#33
 1,2-Dichloroethane-d4
 Concen: 45.73 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	277975		
67	55.3	0.0	111.0	

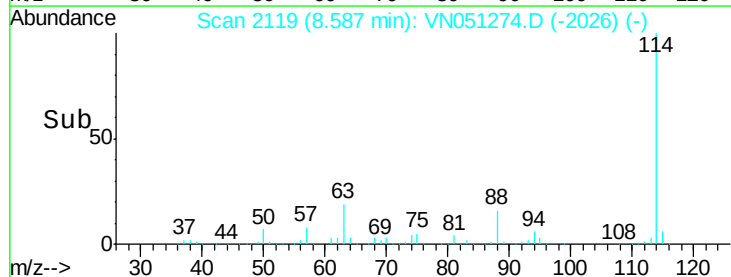
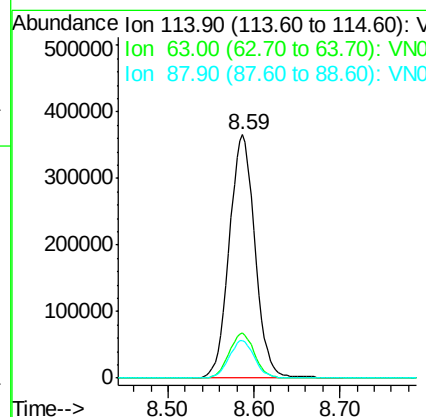
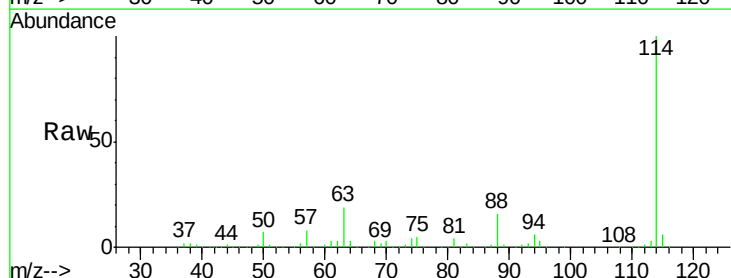
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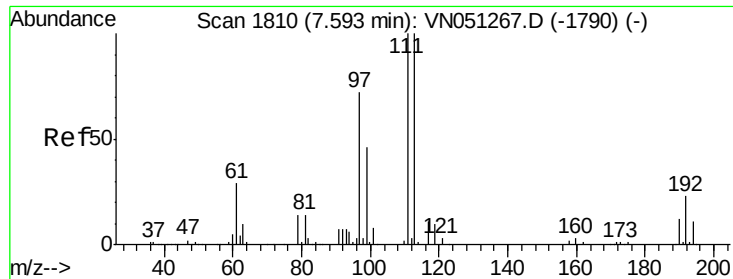
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	759276		
63	18.5	0.0	36.8	
88	15.5	0.0	30.8	





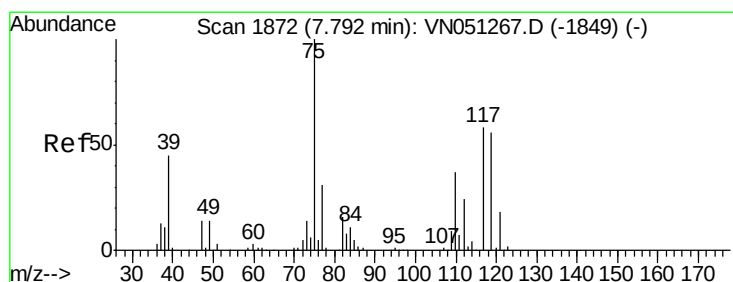
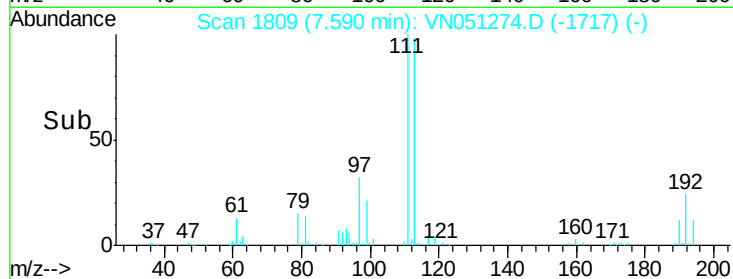
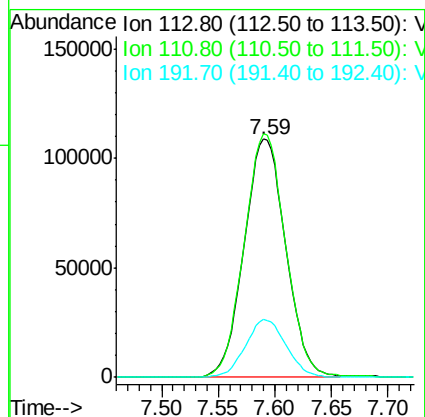
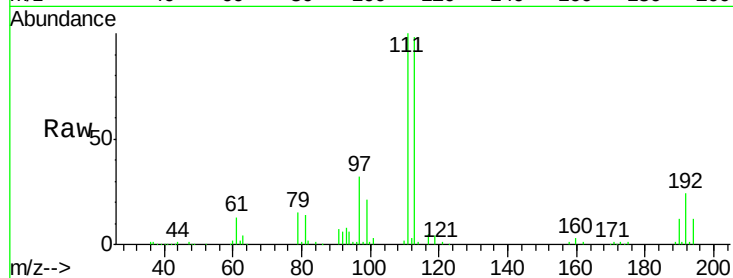
#35
 Dibromofluoromethane
 Concen: 47.21 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	278573		
111	101.6	82.2	123.4	
192	23.8	19.0	28.6	

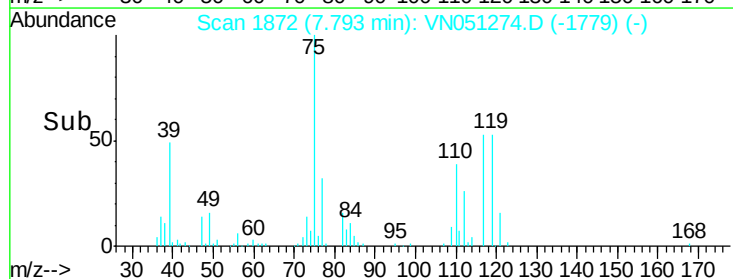
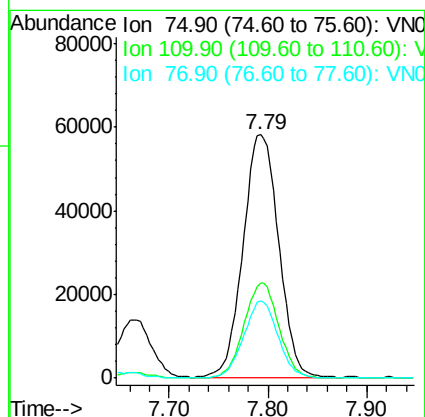
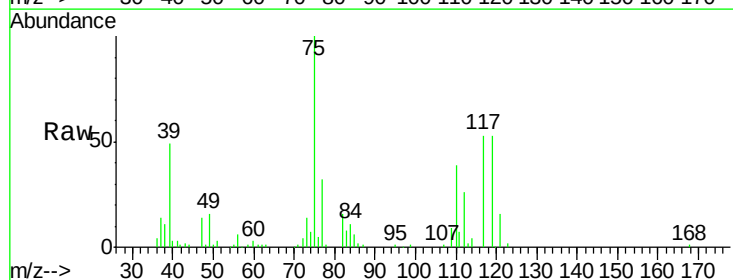
Manual Integrations
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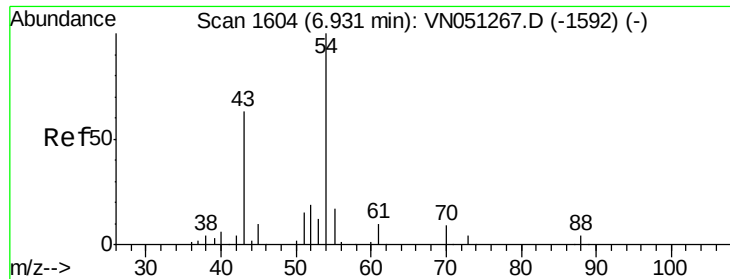
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#36
 1,1-Dichloropropene
 Concen: 17.59 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144558		
110	38.3	18.6	56.0	
77	30.9	24.7	37.1	





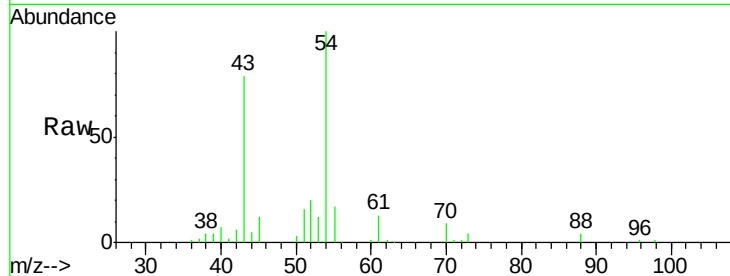
#37
Ethyl Acetate
Concen: 17.89 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.3	18.5
70	11.2	9.4	14.0

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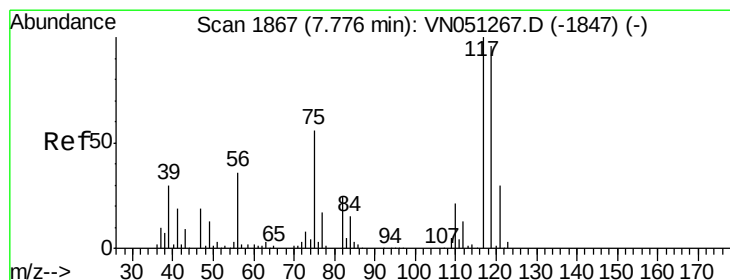
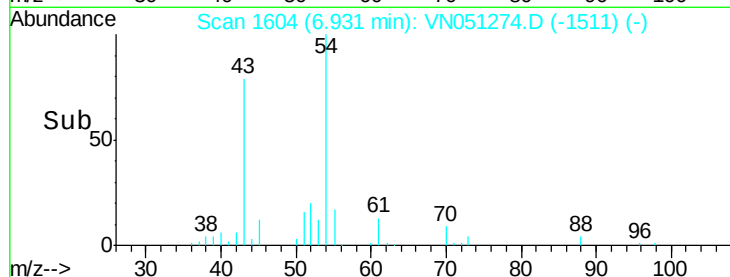
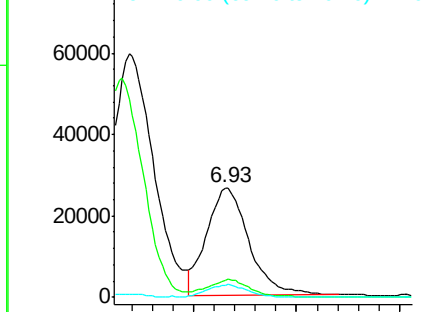


Abundance

Ion 43.00 (42.70 to 43.70): VN051267.D (-1592) (-)

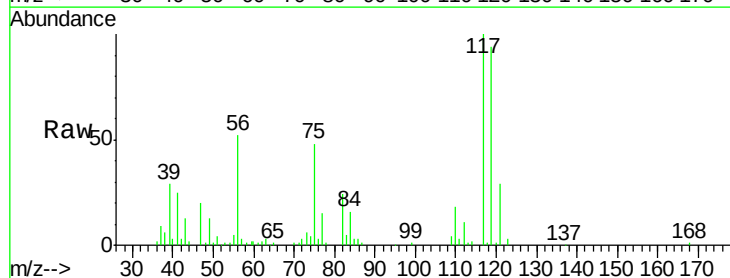
Ion 60.90 (60.60 to 61.60): VN051267.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051267.D (-1592) (-)



#38
Carbon Tetrachloride
Concen: 17.49 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.8	115.2
121	29.2	24.2	36.2

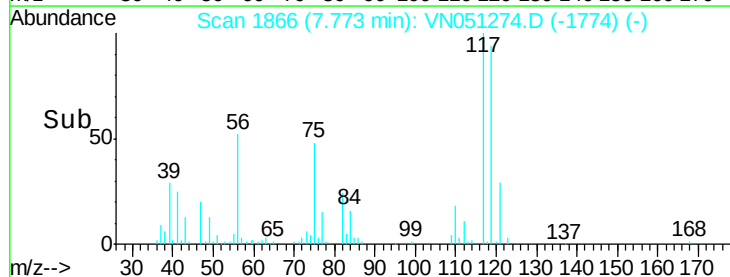
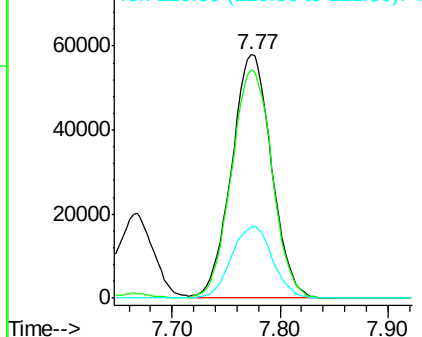


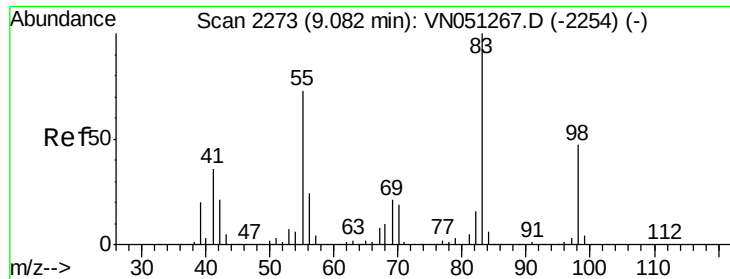
Abundance

Ion 116.80 (116.50 to 117.50): VN051267.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN051267.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN051267.D (-1847) (-)





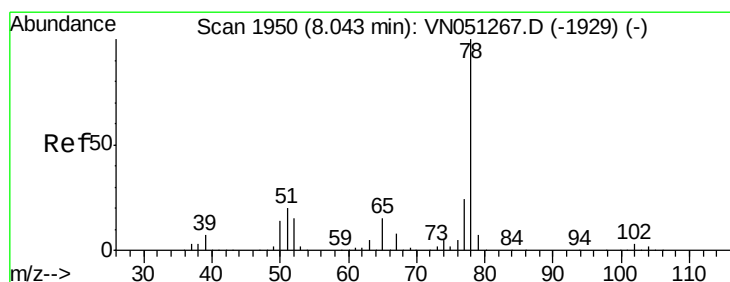
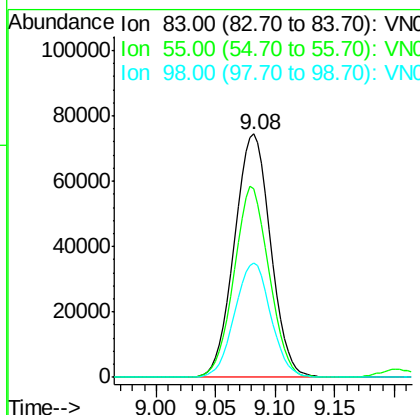
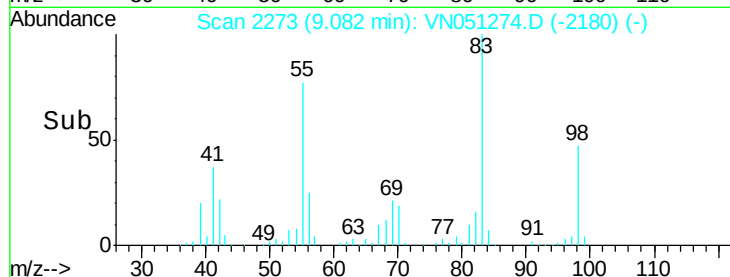
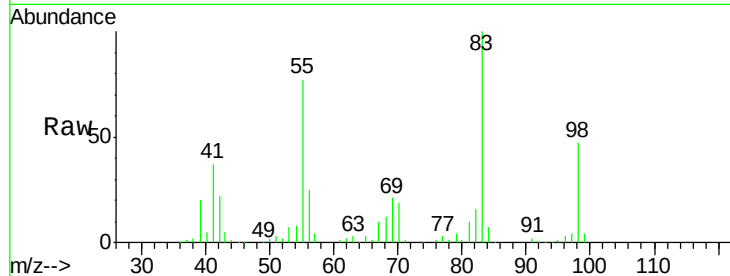
#39
Methylvlcyclohexane
Concen: 17.62 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	58.7	88.1
98	47.0	37.3	55.9

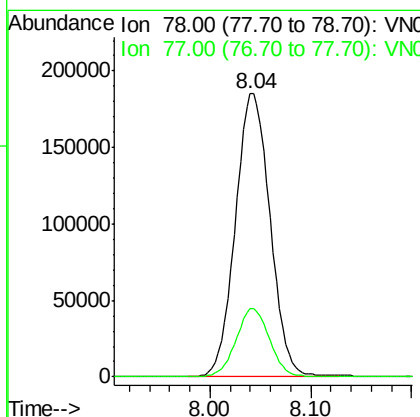
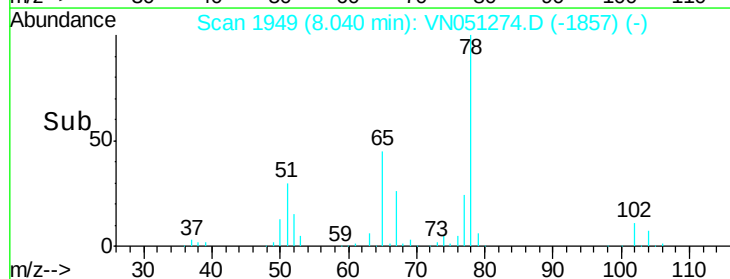
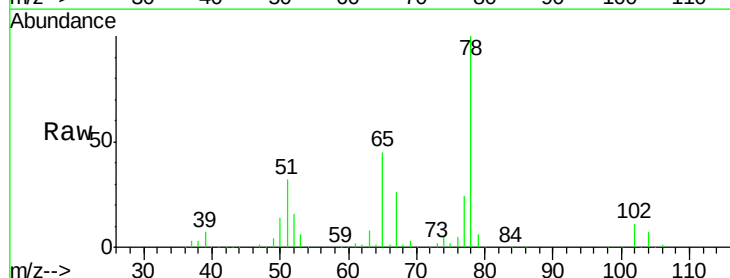
Manual Integrations
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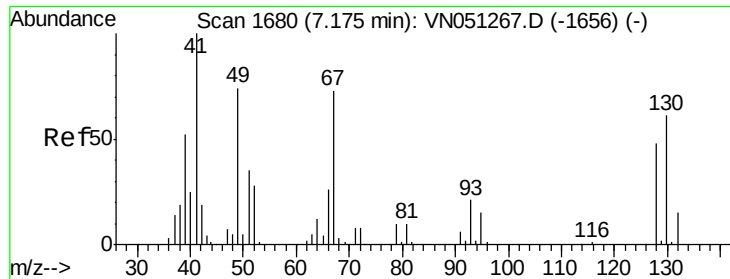
MMDadoda
9/19/2018 4:57:55 PM



#40
Benzene
Concen: 18.10 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





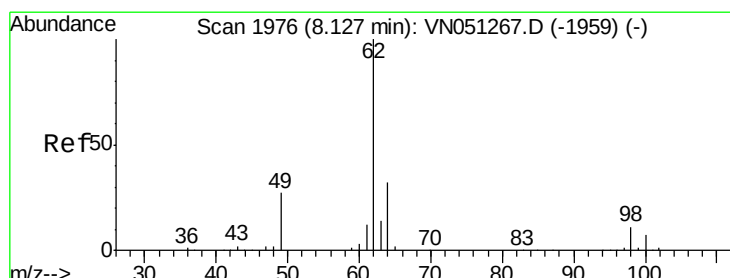
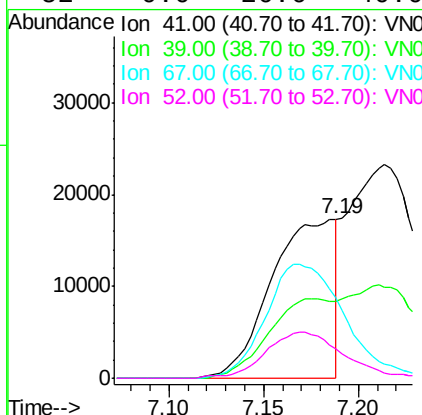
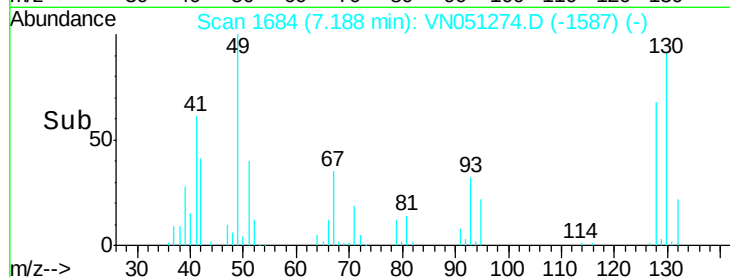
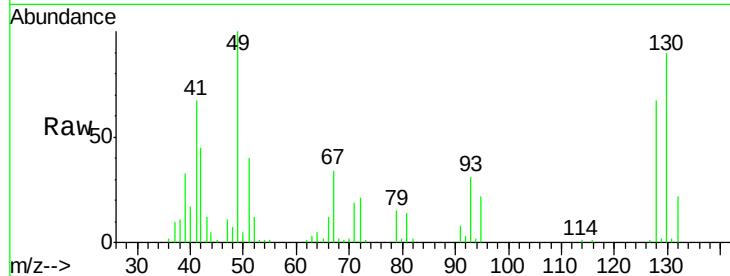
#41
Methacrylonitrile
Concen: 18.84 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.8	71.6#
67	0.0	69.8	104.6#
52	0.0	26.6	40.0#

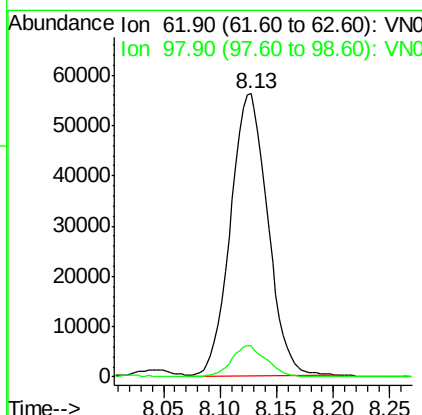
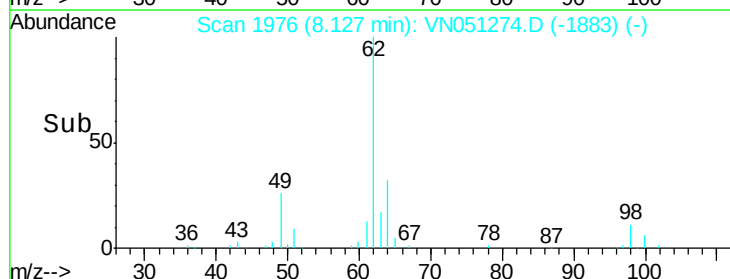
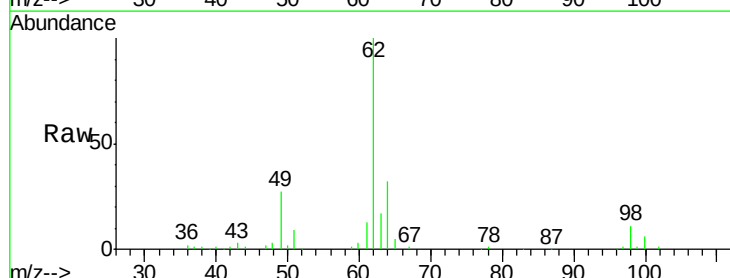
Manual Integrations
APPROVED

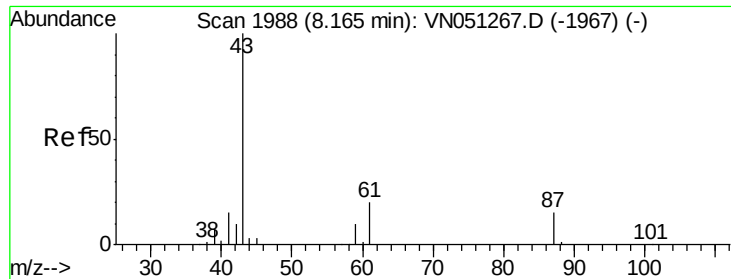
MMDadoda
9/19/2018 4:57:55 PM



#42
1,2-Dichloroethane
Concen: 17.90 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.11 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

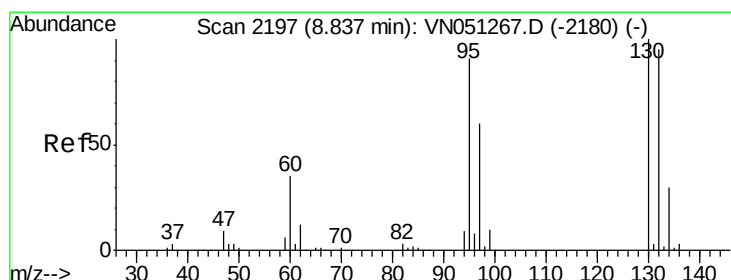
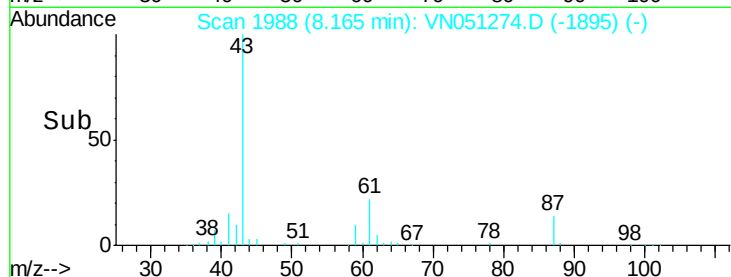
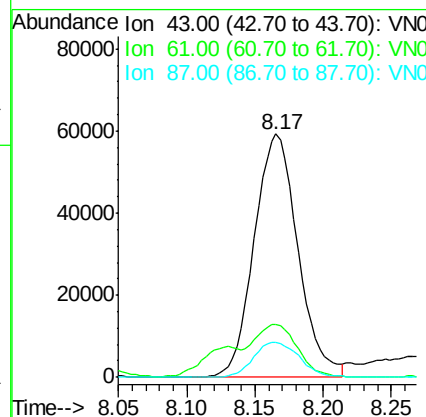
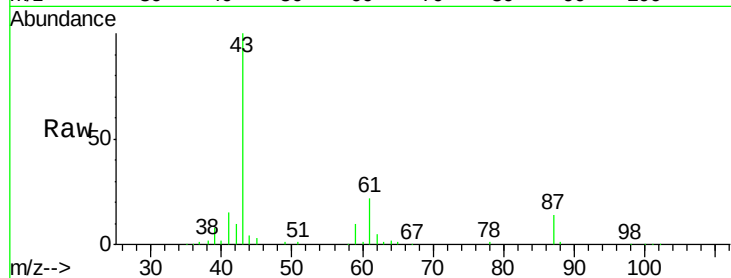
ClientSampleId :

VN0917WBS01

Tot Ion:	43	Resp:	132410
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.4	26.2
87	15.0	12.2	18.4

Manual Integrations
APPROVED

MMDadoda
9/19/2018 4:57:55 PM



#44

Trichloroethene

Concen: 17.30 ug/l

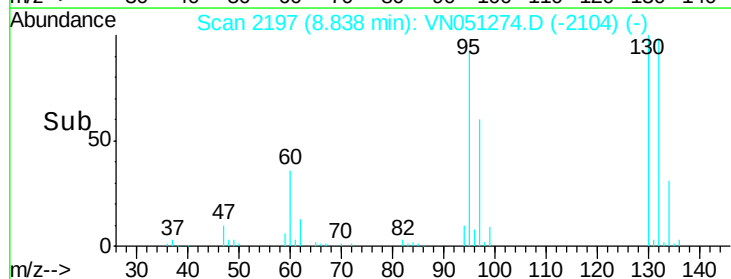
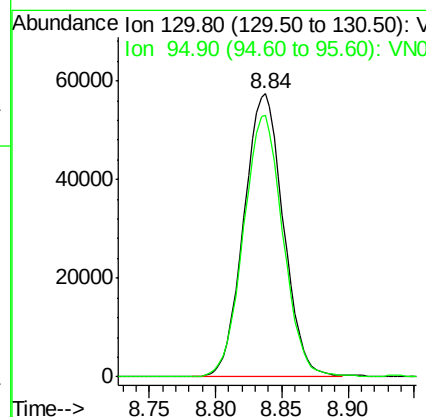
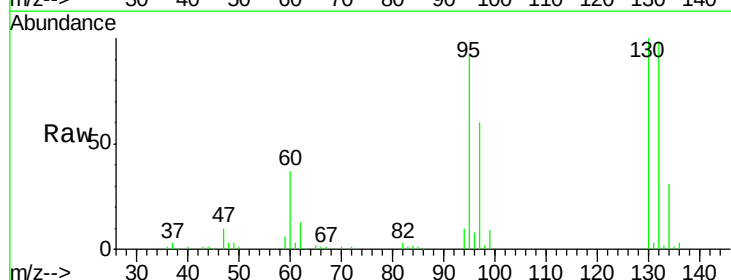
RT: 8.84 min Scan# 2197

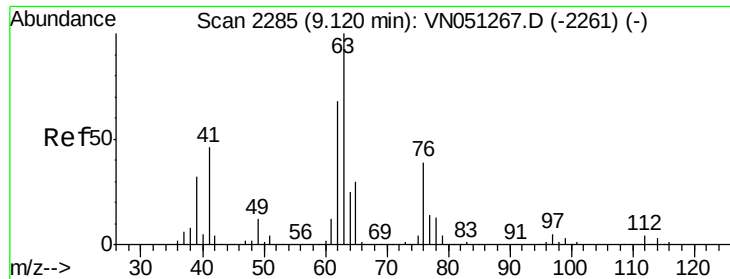
Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion:	130	Resp:	118898
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	181.8





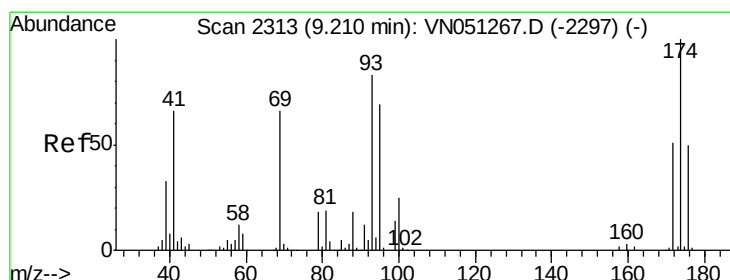
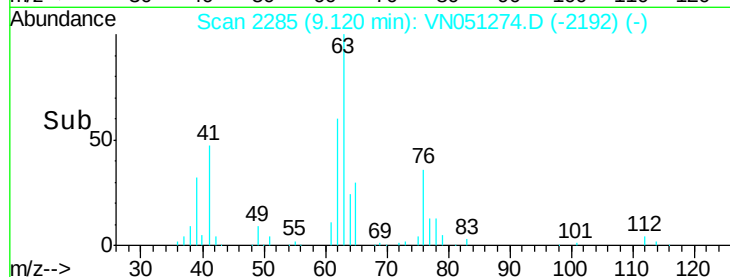
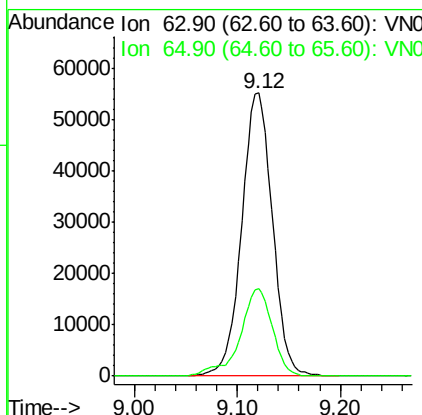
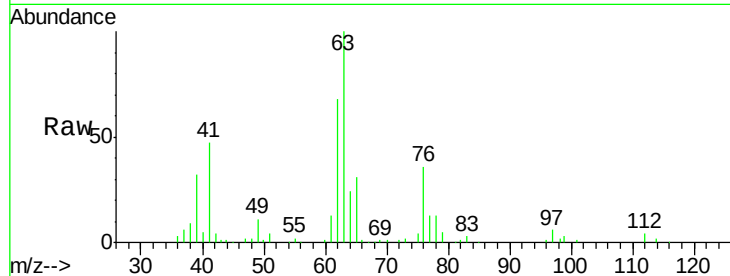
#45
 1,2-Dichloropropane
 Concen: 18.46 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.2	36.4

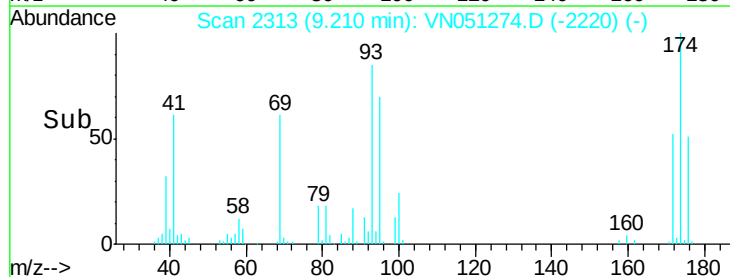
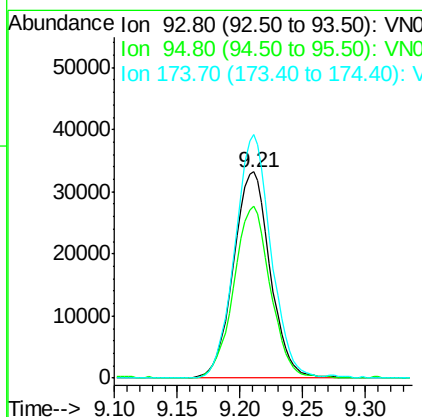
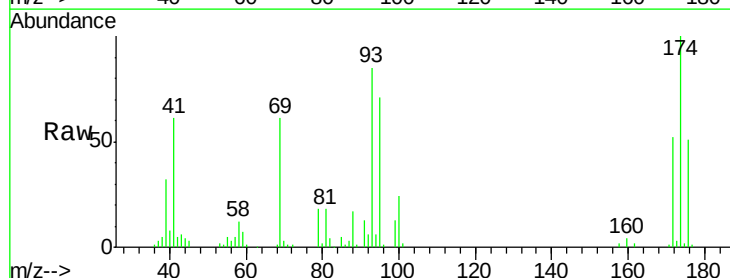
Manual Integrations
 APPROVED

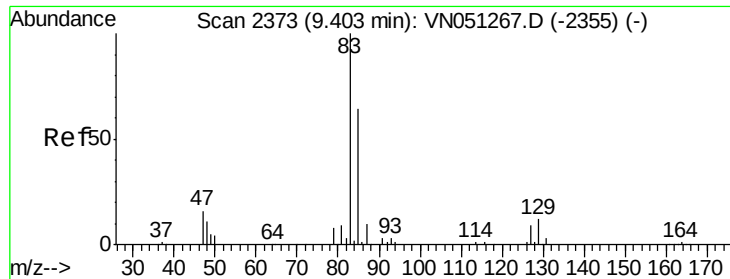
MMDadoda
 9/19/2018 4:57:55 PM



#46
 Dibromomethane
 Concen: 17.92 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	100.0
174	115.8	95.6	143.4





#47

Bromodichloromethane

Concen: 17.76 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

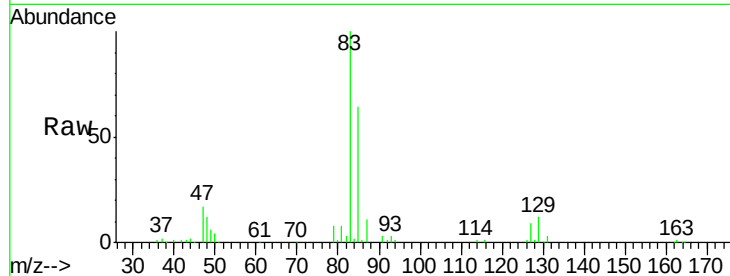
ClientSampleId :

VN0917WBS01

Tot Ion:	83	Resp:	142983
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.0	76.4
127	9.1	7.1	10.7

Manual Integrations
APPROVED

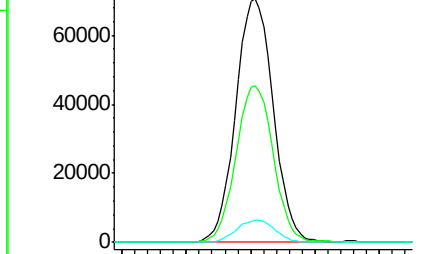
MMDadoda
9/19/2018 4:57:55 PM



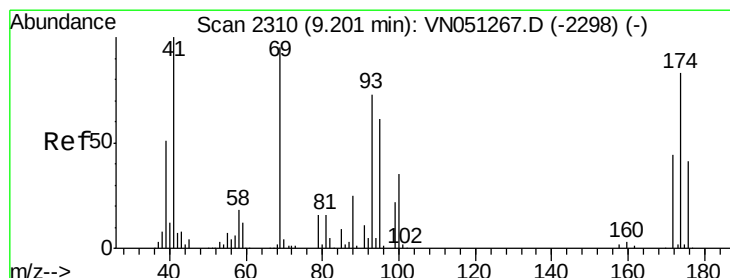
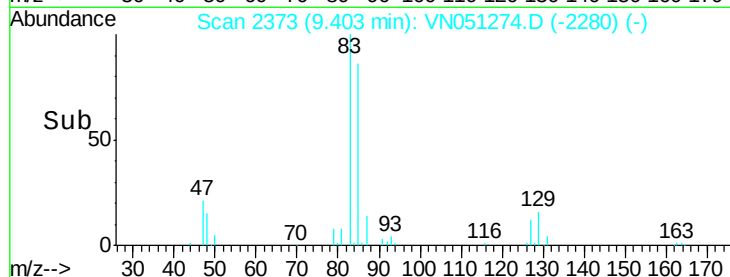
Abundance Ion 82.90 (82.60 to 83.60): VN051267.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN051267.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN051267.D (-2355) (-)



Time-->



#48

Methyl methacrylate

Concen: 17.84 ug/l

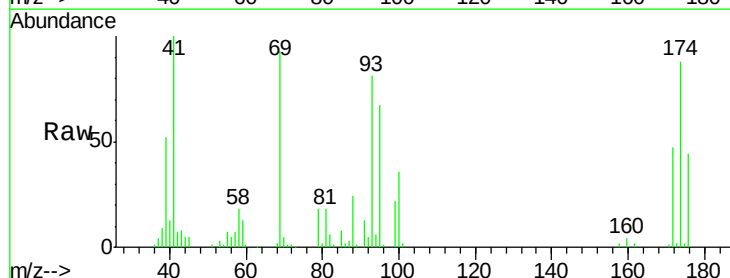
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

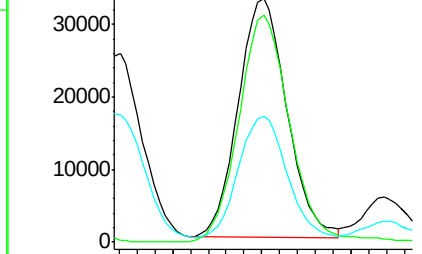
Tgt Ion:	41	Resp:	62800
Ion Ratio	Lower	Upper	
41	100		
69	100.4	78.9	118.3
39	53.7	42.2	63.2



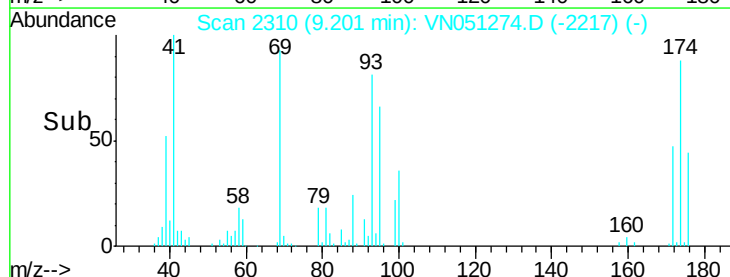
Abundance Ion 41.00 (40.70 to 41.70): VN051267.D (-2298) (-)

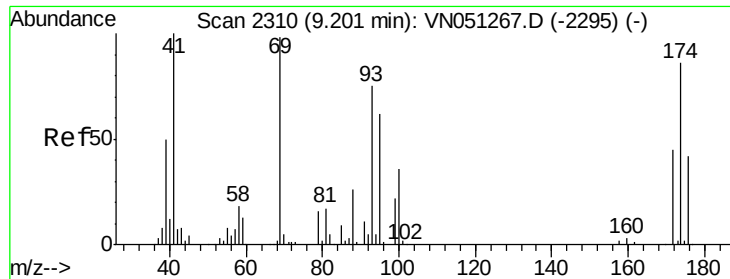
Ion 69.00 (68.70 to 69.70): VN051267.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051267.D (-2298) (-)



Time-->





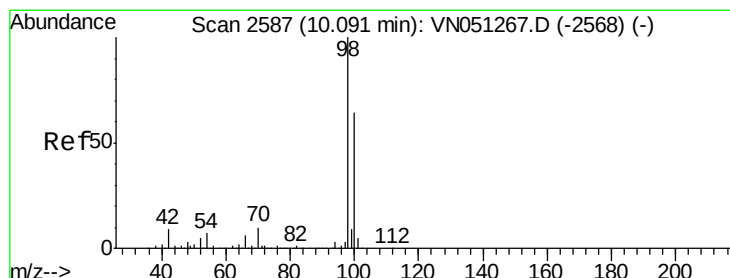
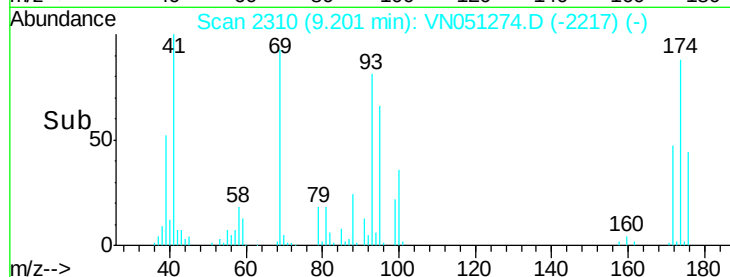
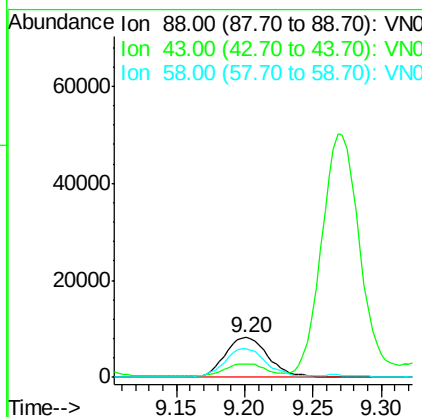
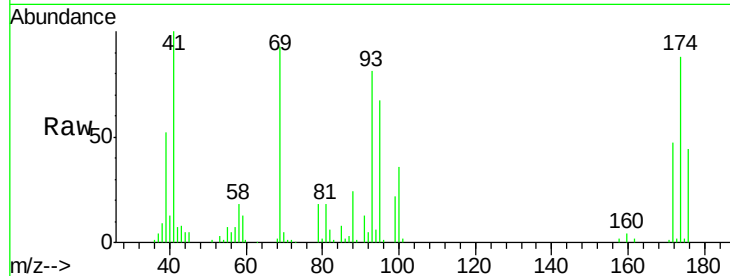
#49
1,4-Dioxane
Concen: 357.71 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	88	Resp	18222
Ion	Ratio	Lower	Upper
88	100		
43	27.5	25.3	37.9
58	69.0	54.9	82.3

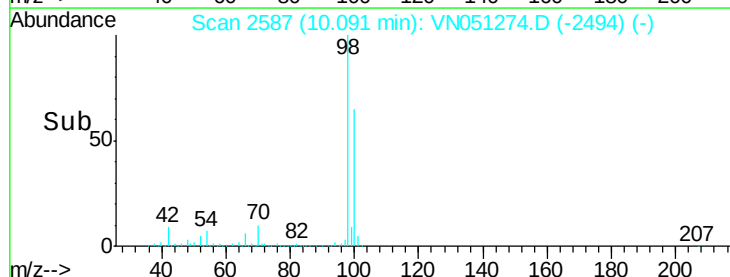
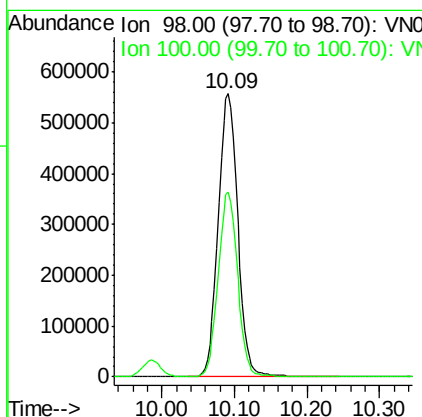
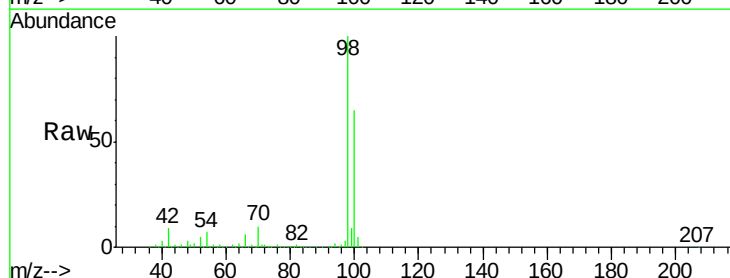
Manual Integrations
APPROVED

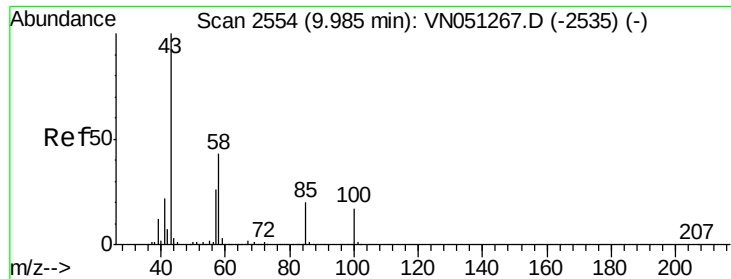
MMDadoda
9/19/2018 4:57:55 PM



#50
Toluene-d8
Concen: 47.91 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	98	Resp	1044823
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





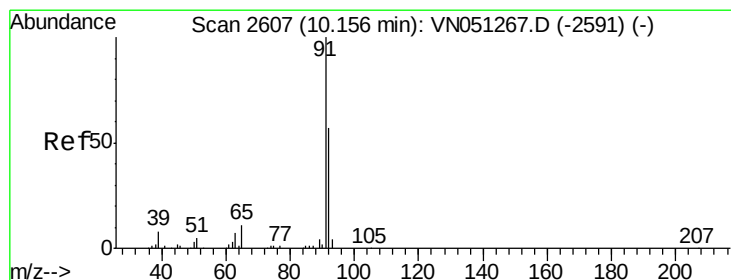
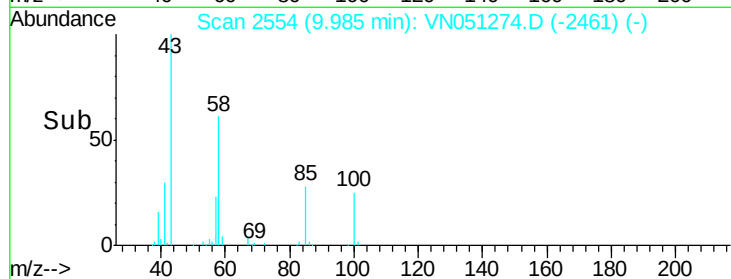
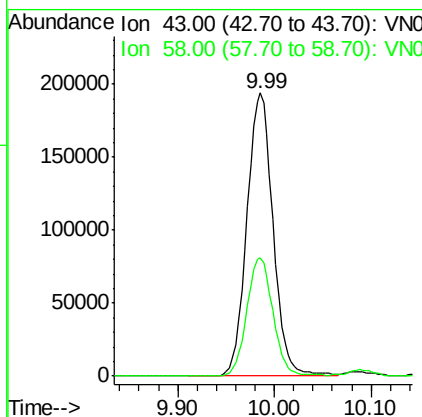
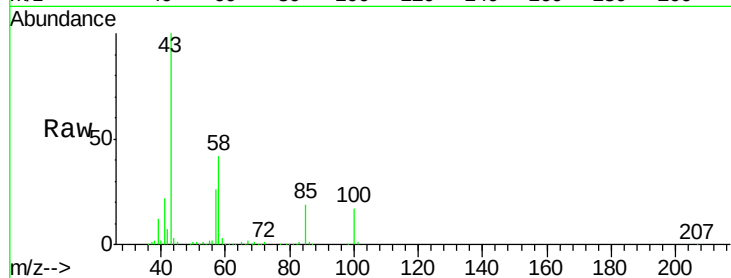
#51
4-Methyl-2-Pentanone
Concen: 96.39 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	43	Resp	363614
Ion Ratio	100	Lower	Upper
43	100		
58	41.8	33.8	50.6

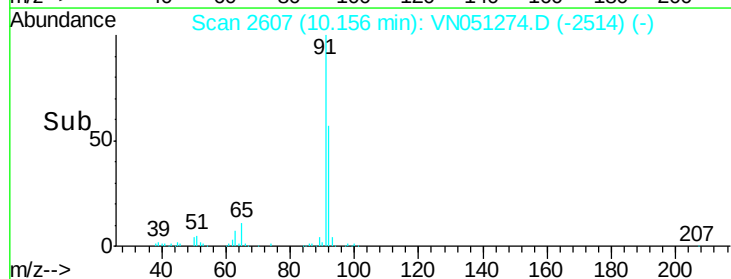
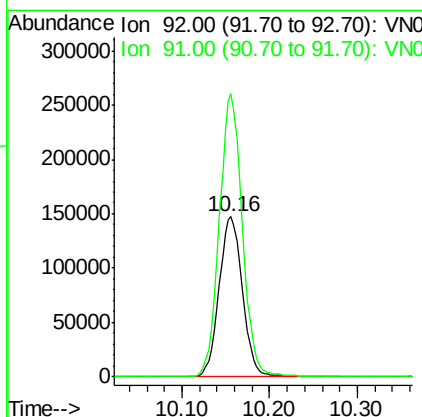
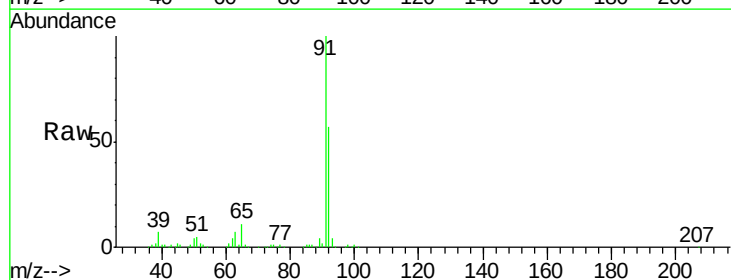
Manual Integrations
APPROVED

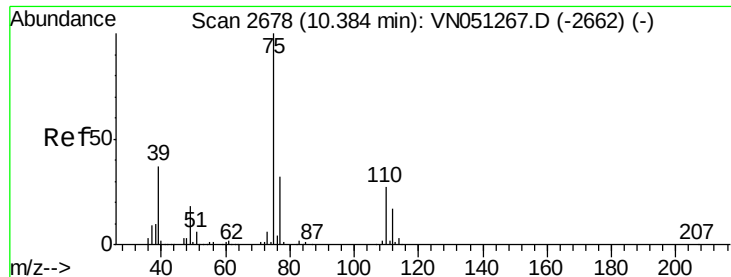
MMDadoda
9/19/2018 4:57:55 PM



#52
Toluene
Concen: 18.66 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	92	Resp	273119
Ion Ratio	100	Lower	Upper
92	100		
91	174.0	139.2	208.8





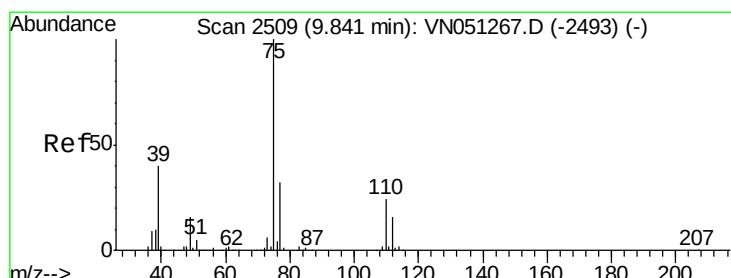
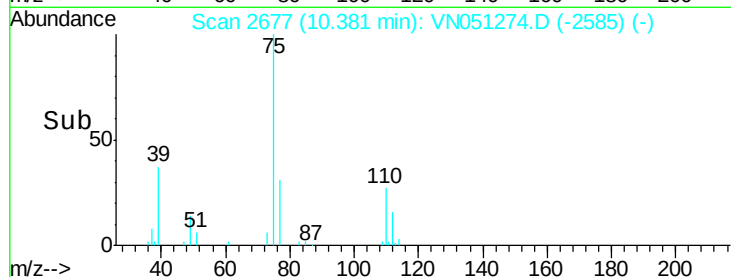
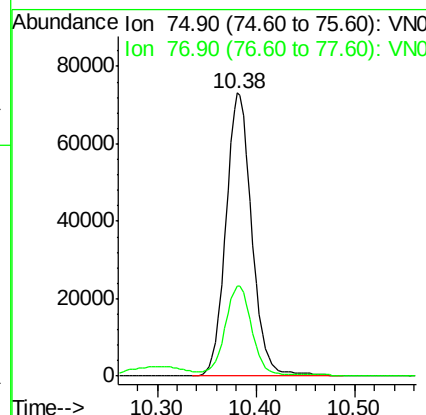
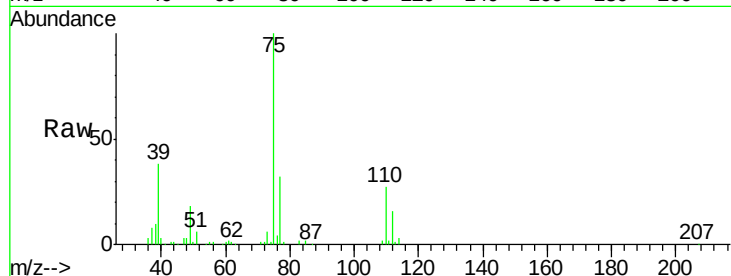
#53
t-1,3-Dichloropropene
Concen: 17.83 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

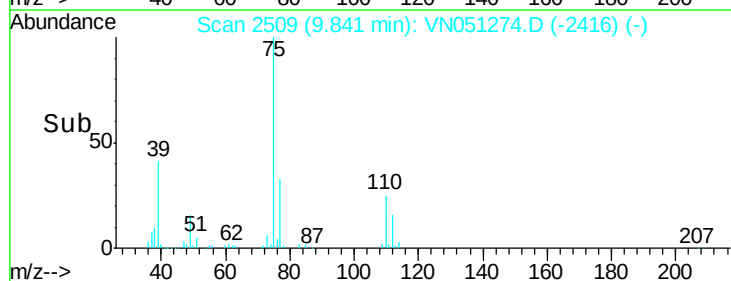
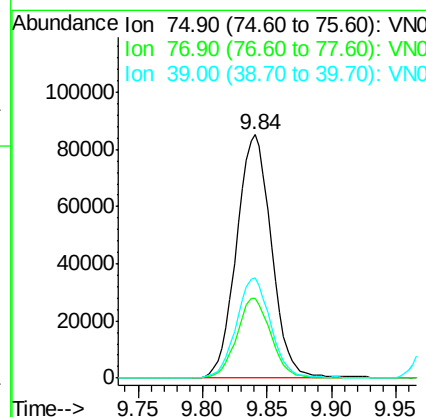
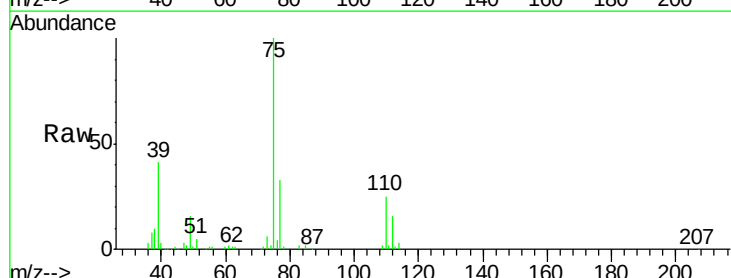
Manual Integrations
APPROVED

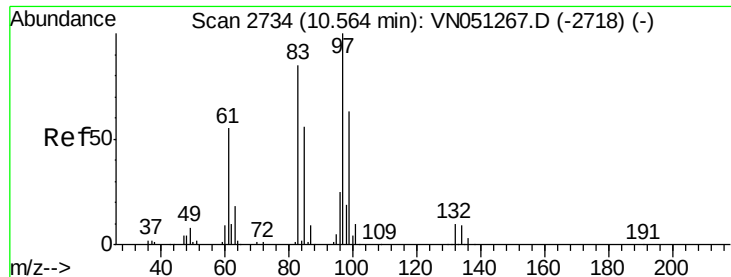
MMDadoda
9/19/2018 4:57:55 PM



#54
cis-1,3-Dichloropropene
Concen: 17.78 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.8
39	41.0	31.8	47.8





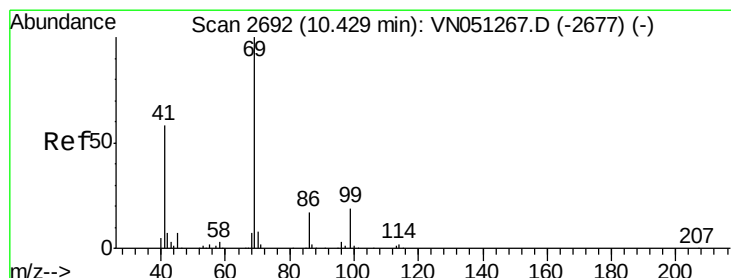
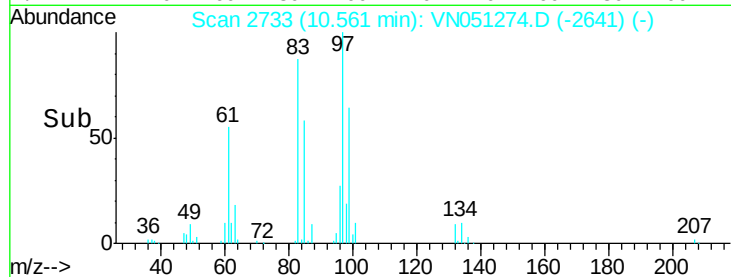
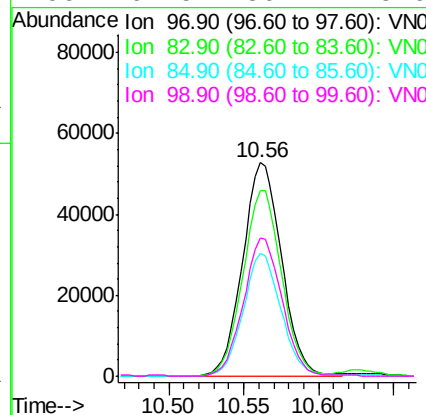
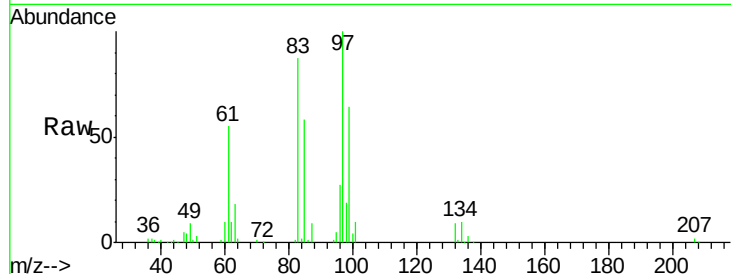
#55
 1,1,2-Trichloroethane
 Concen: 18.33 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.7	101.5
85	57.8	44.5	66.7
99	64.5	50.4	75.6

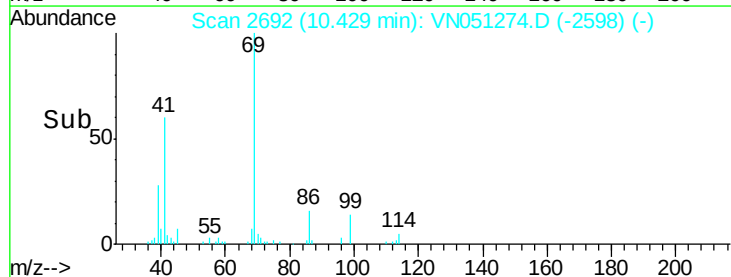
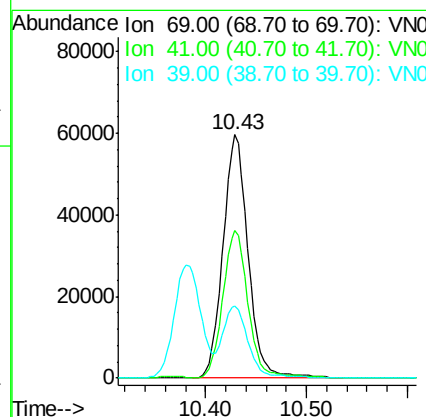
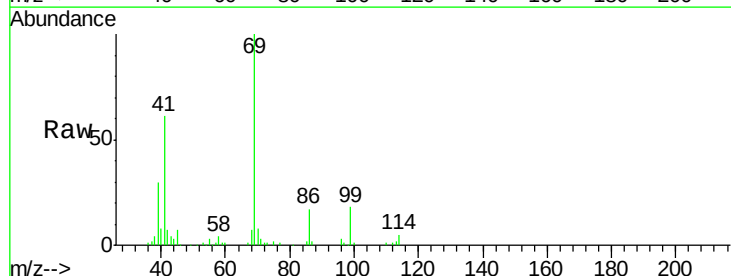
Manual Integrations
 APPROVED

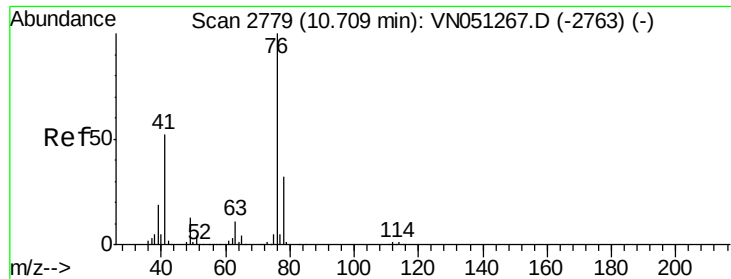
MMDadoda
 9/19/2018 4:57:55 PM



#56
 Ethyl methacrylate
 Concen: 17.02 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.4	71.0
39	30.5	23.7	35.5





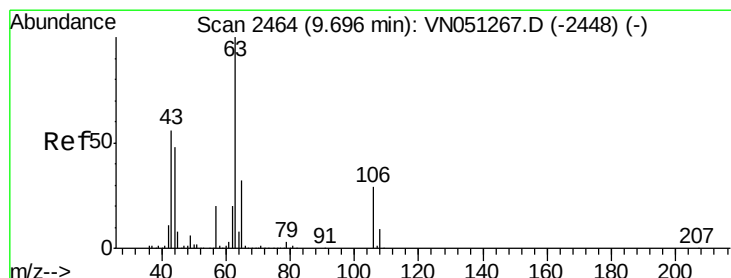
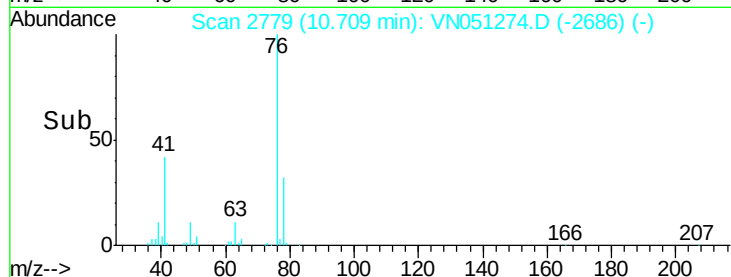
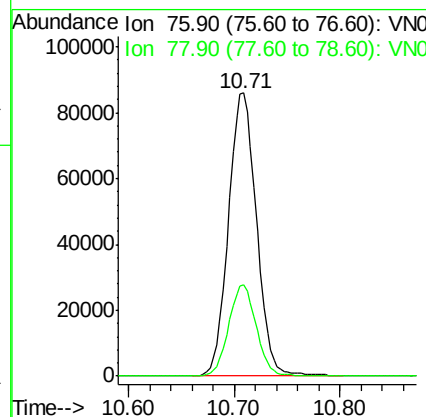
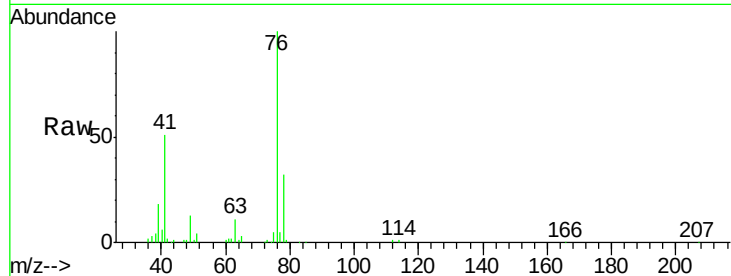
#57
 1,3-Dichloropropane
 Concen: 18.54 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.6

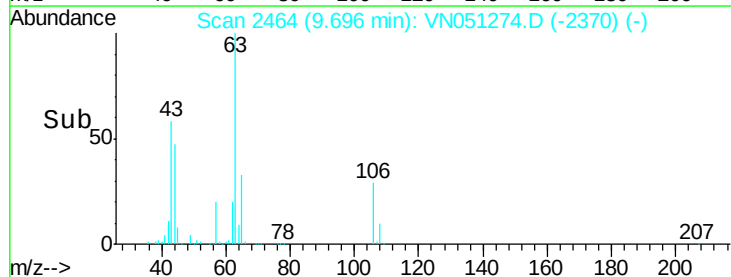
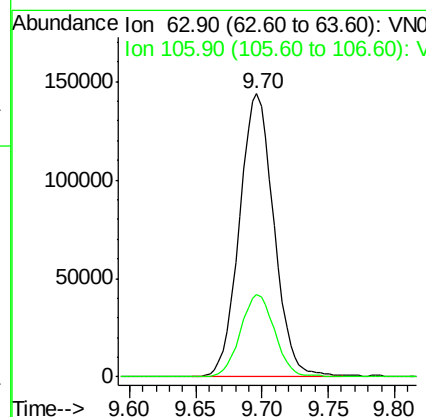
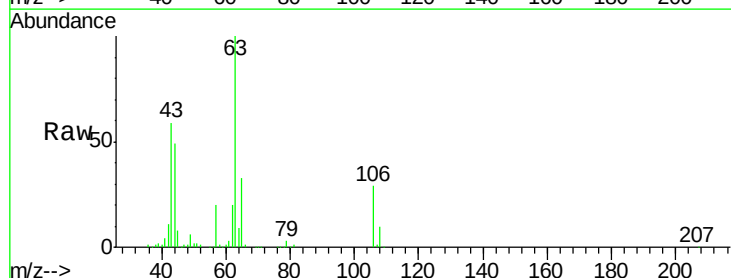
Manual Integrations
 APPROVED

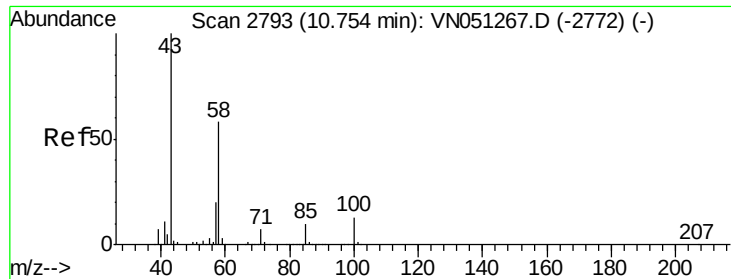
MMDadoda
 9/19/2018 4:57:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.48 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.4	35.2





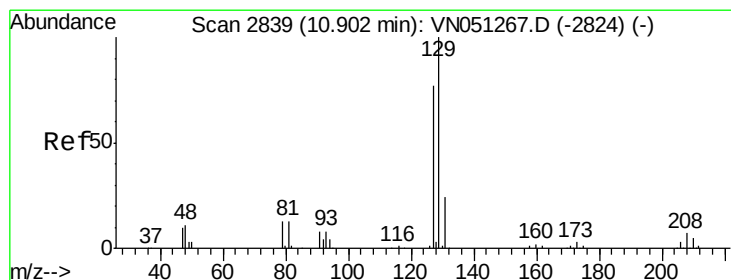
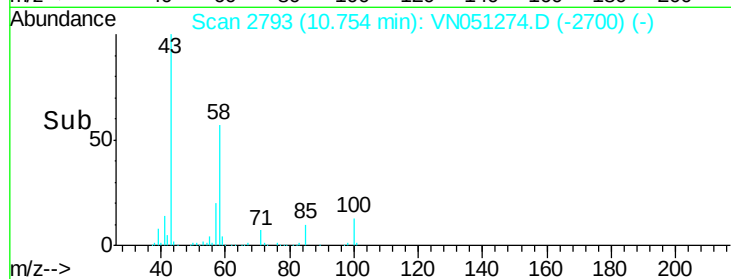
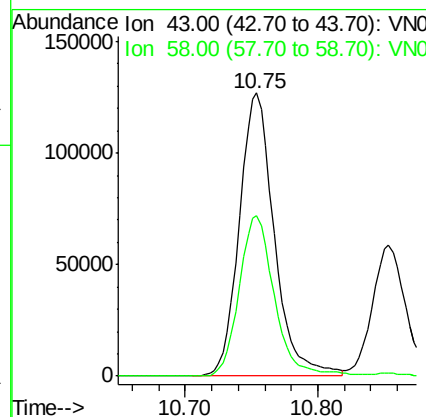
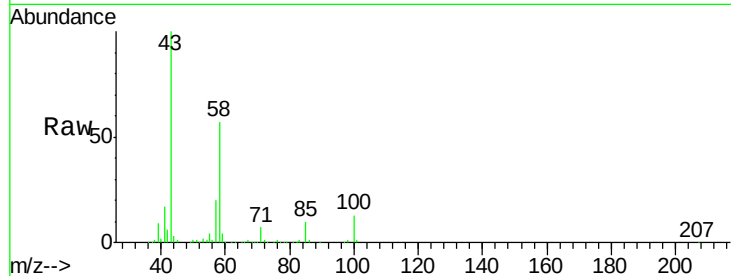
#59
2-Hexanone
Concen: 92.98 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.5	28.9	86.8

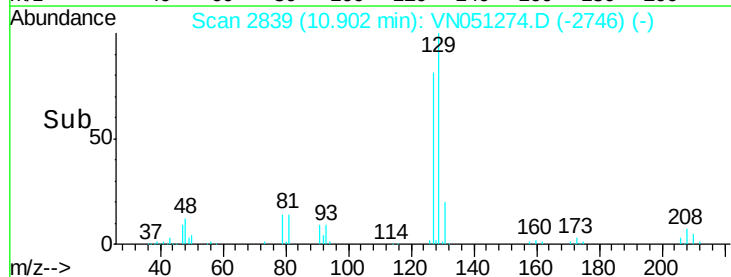
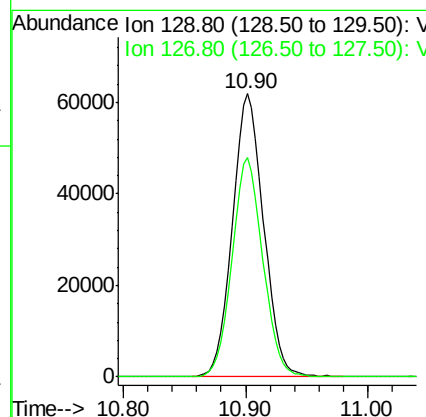
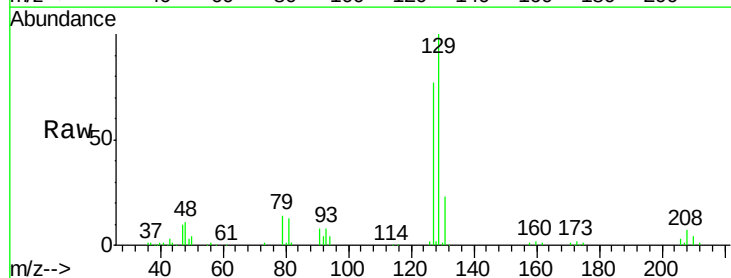
Manual Integrations
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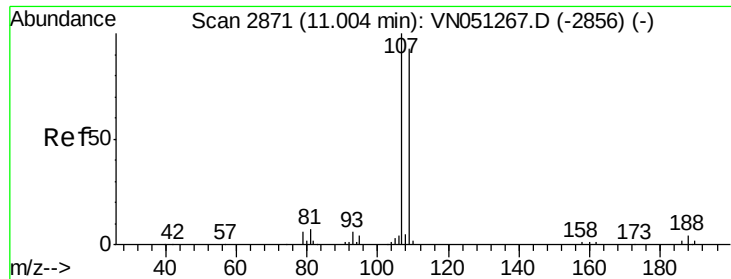
MMDadoda
9/19/2018 4:57:55 PM



#60
Dibromochloromethane
Concen: 17.88 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.3	114.9





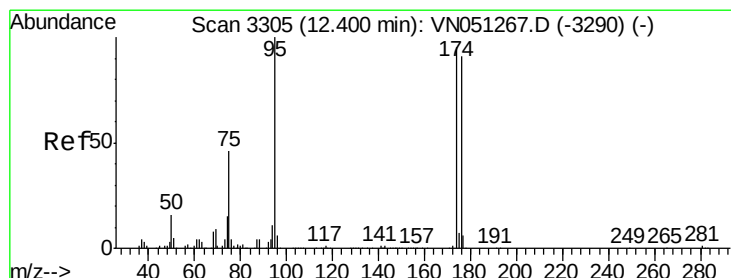
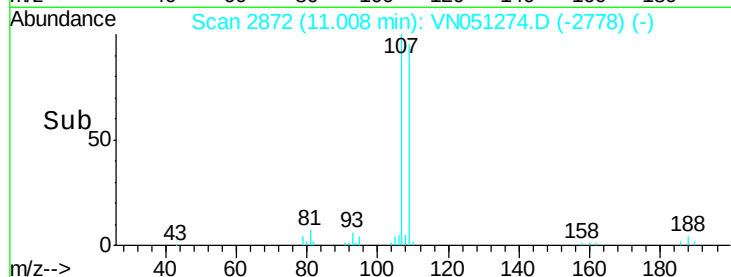
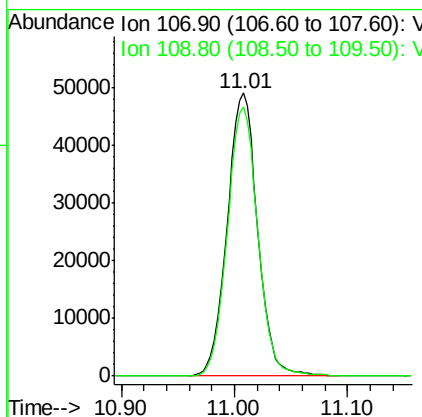
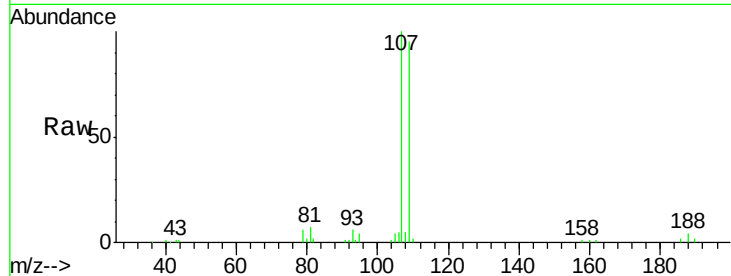
#61
 1,2-Dibromoethane
 Concen: 18.23 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion: 107 Resp: 91734
 Ion Ratio Lower Upper
 107 100
 109 95.2 74.7 112.1

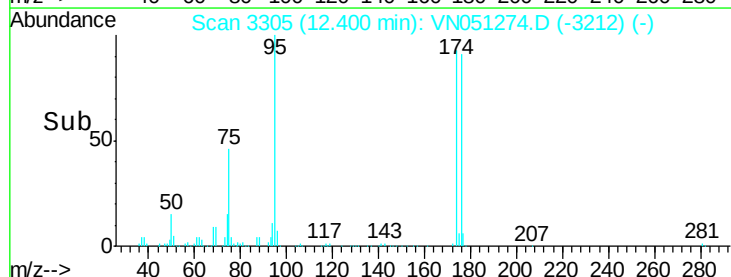
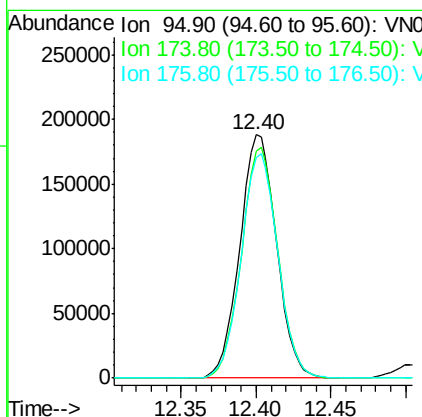
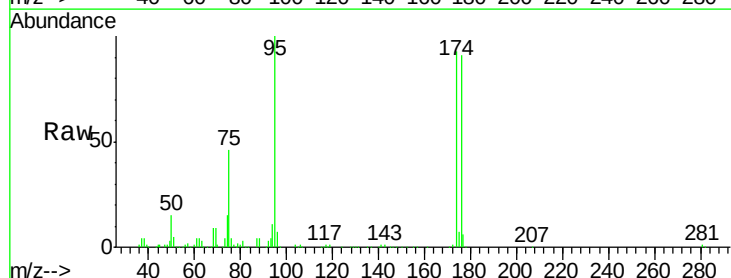
Manual Integrations
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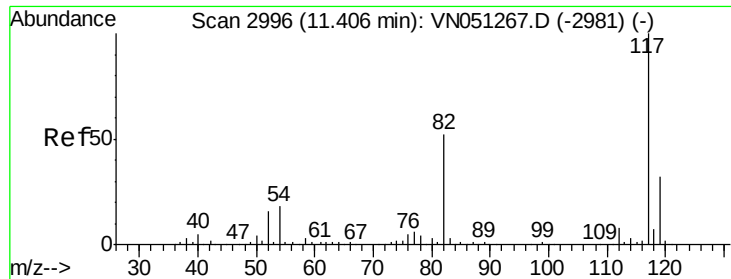
MMDadoda
 9/19/2018 4:57:55 PM



#62
 4-Bromofluorobenzene
 Concen: 46.28 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion: 95 Resp: 321025
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 189.6
 176 92.3 0.0 182.6





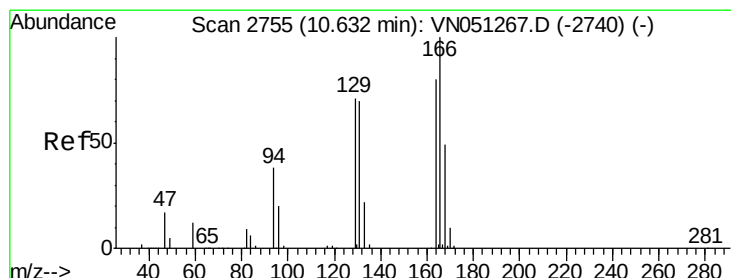
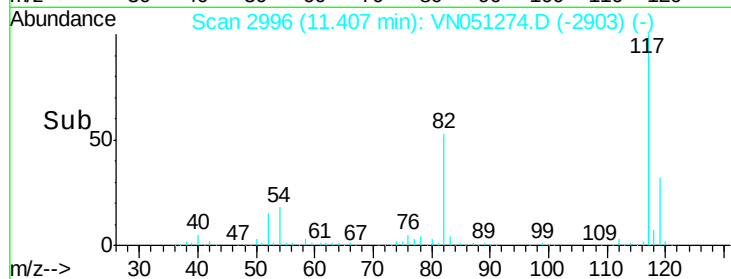
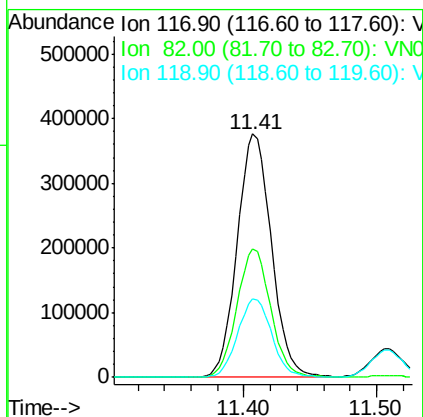
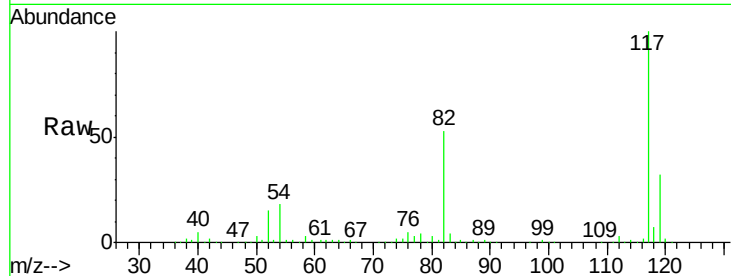
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.0	25.6	38.4

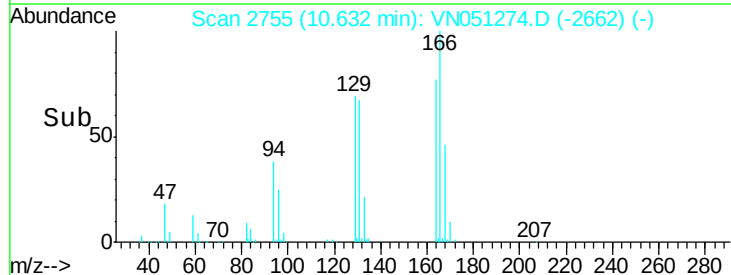
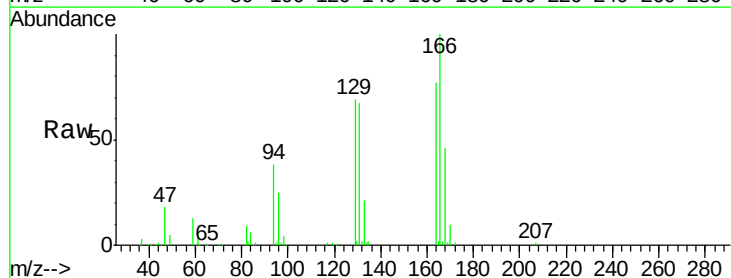
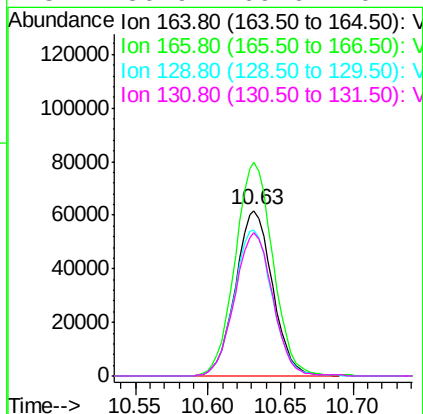
Manual Integrations
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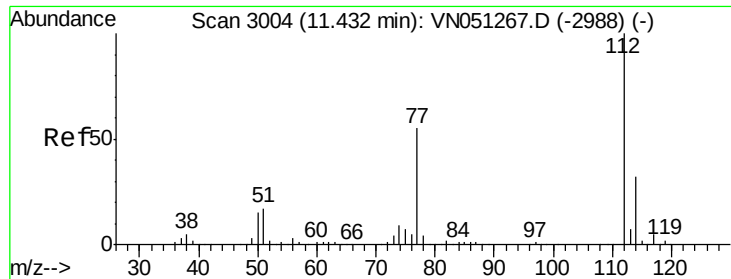
MMDadoda
9/19/2018 4:57:55 PM



#64
Tetrachloroethene
Concen: 17.09 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.0	150.0
129	88.7	70.8	106.2
131	86.9	69.6	104.4





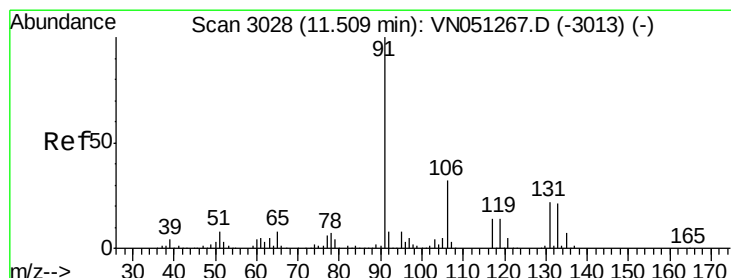
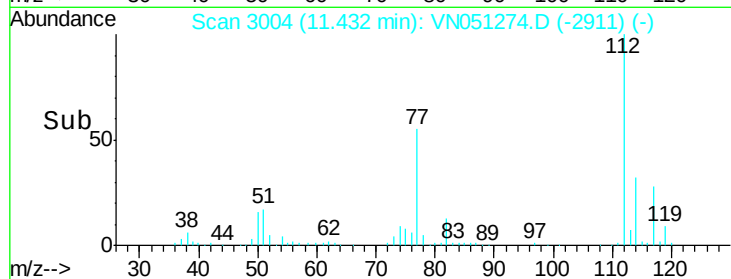
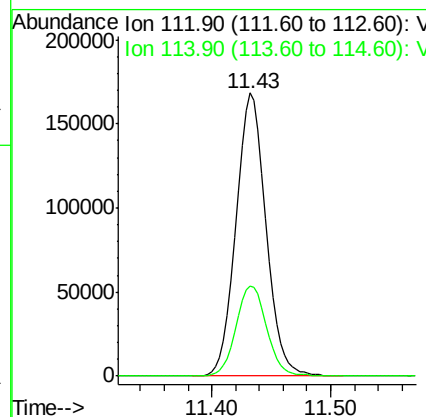
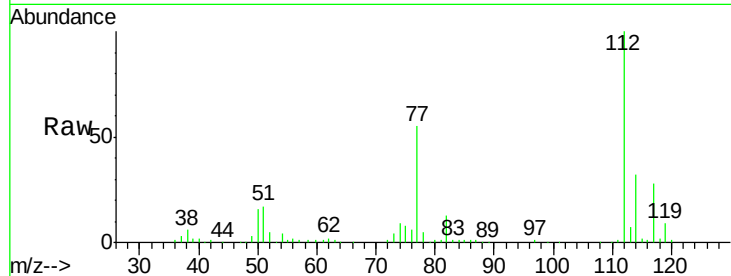
#65
Chlorobenzene
Concen: 17.57 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.9	38.9

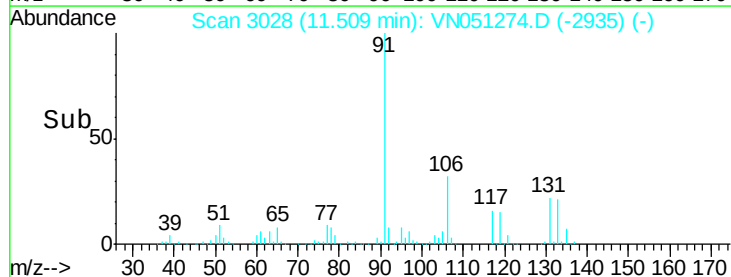
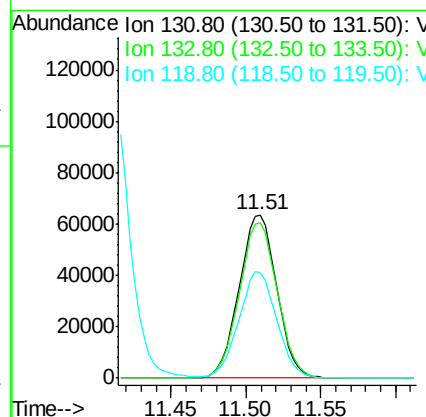
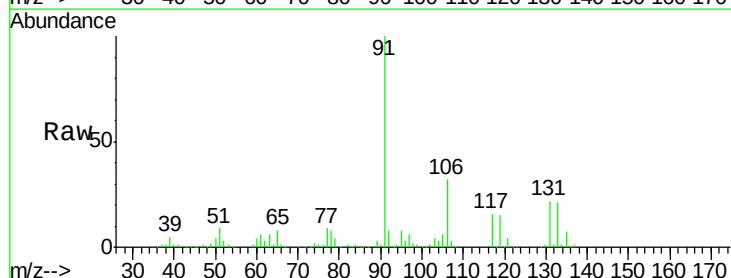
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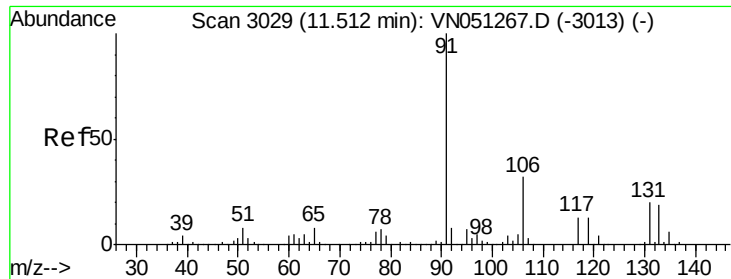
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.61 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.9	143.7
119	65.8	32.6	98.0





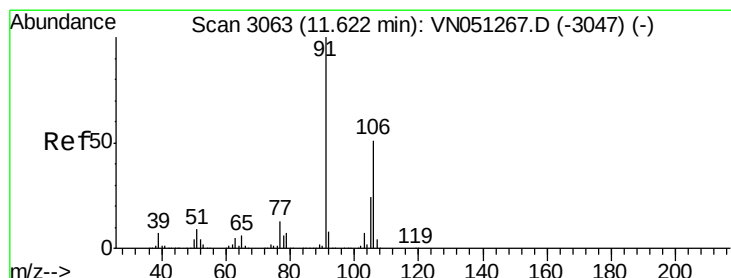
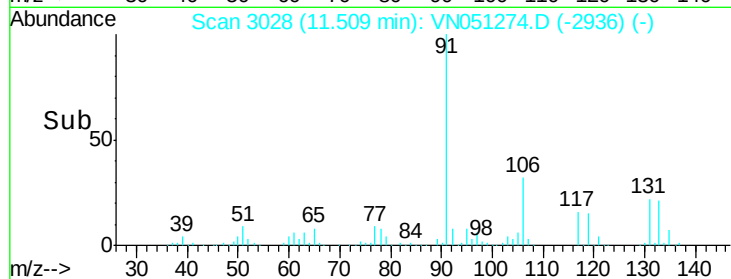
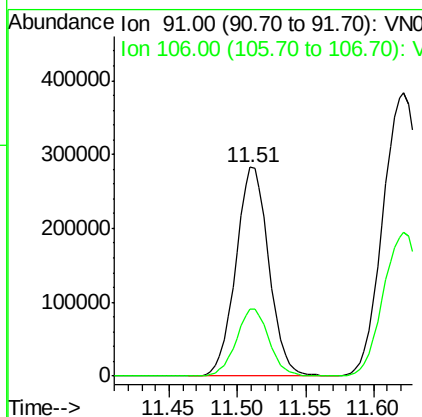
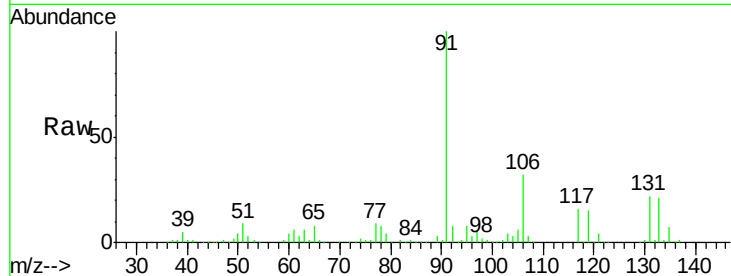
#67
Ethyl Benzene
Concen: 17.88 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 91 Resp: 475890
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

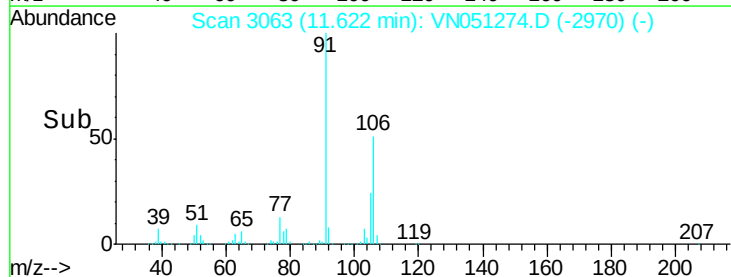
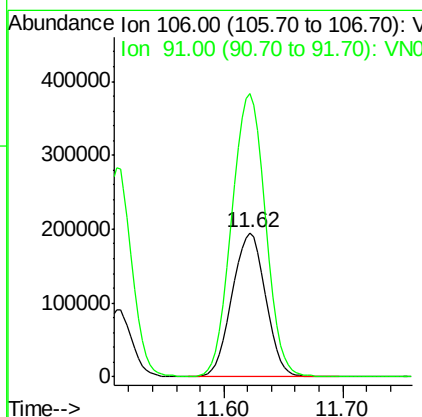
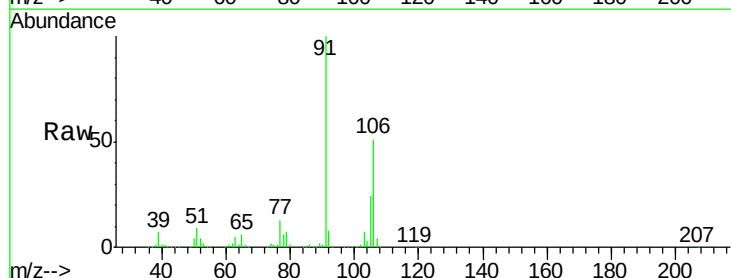
Manual Integrations
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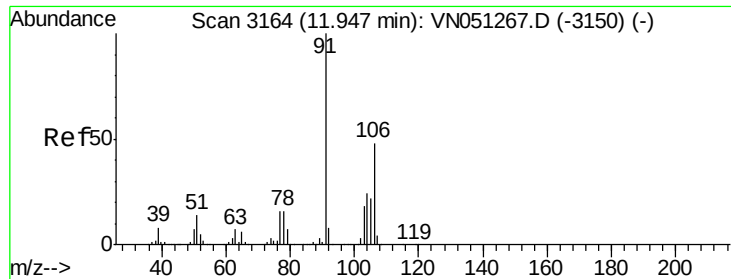
MMDadoda
9/19/2018 4:57:55 PM



#68
m/p-Xylenes
Concen: 36.93 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 106 Resp: 381904
Ion Ratio Lower Upper
106 100
91 197.5 158.6 238.0





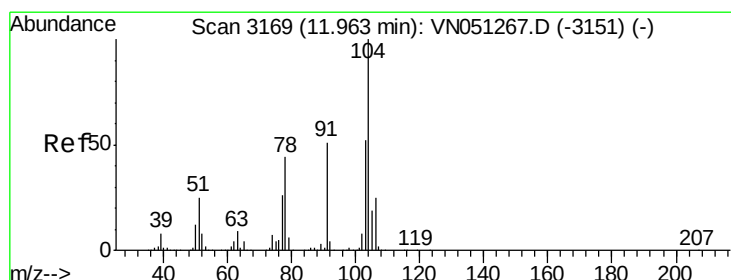
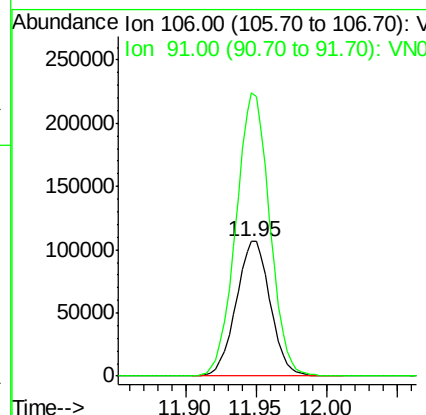
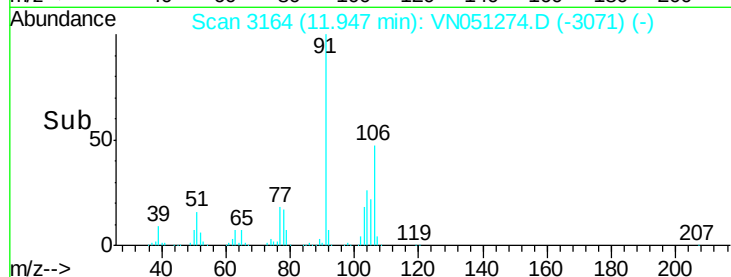
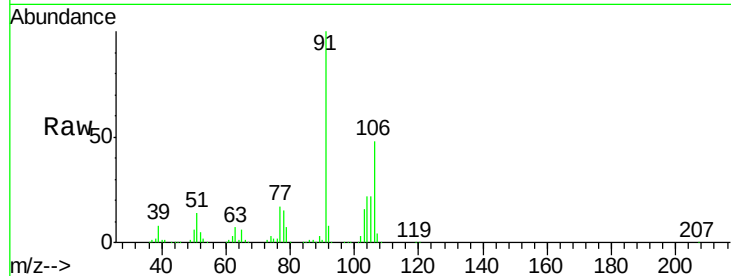
#69
o-Xylene
Concen: 18.27 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	180050		
91	91	208.8	104.1	312.3	

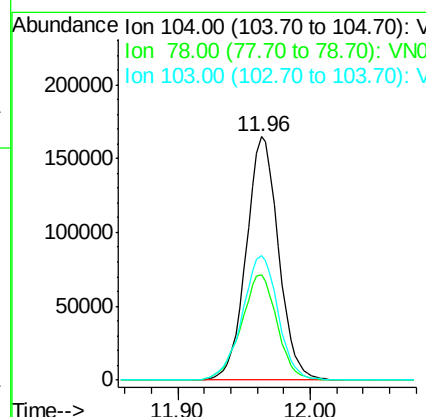
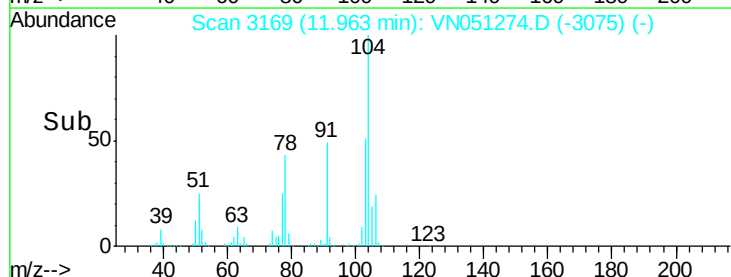
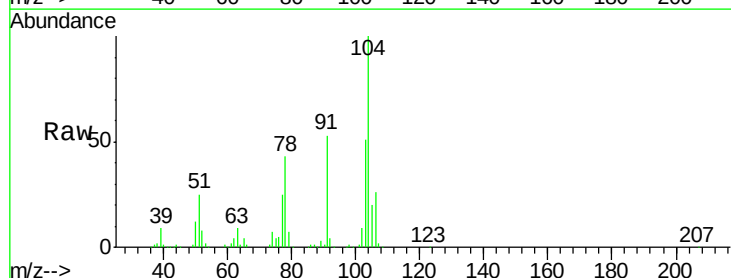
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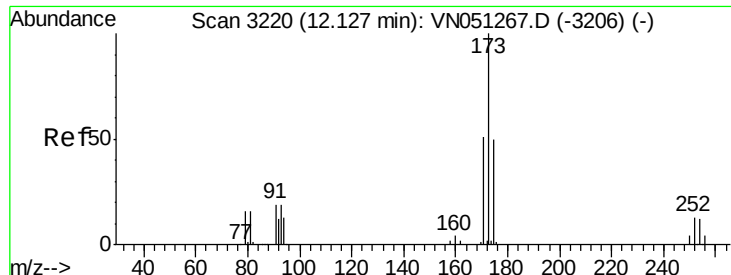
MMDadoda
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#70
Styrene
Concen: 16.86 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	279154		
78	78	48.0	38.1	57.1	
103	103	56.6	44.8	67.2	





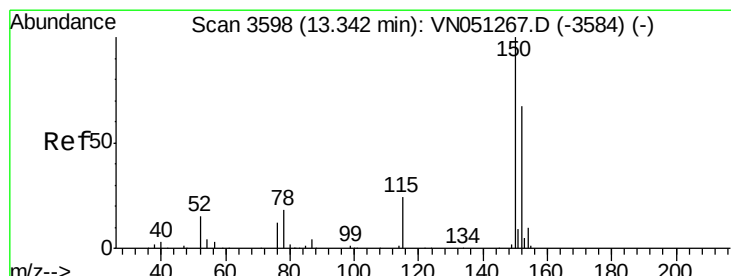
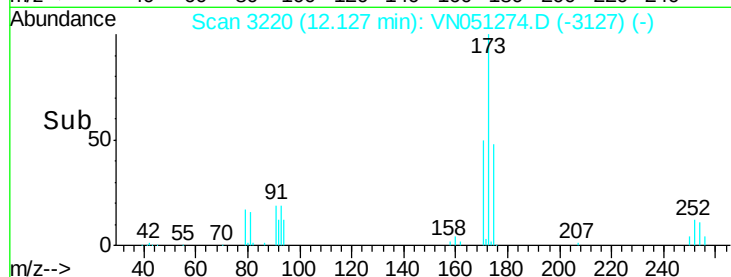
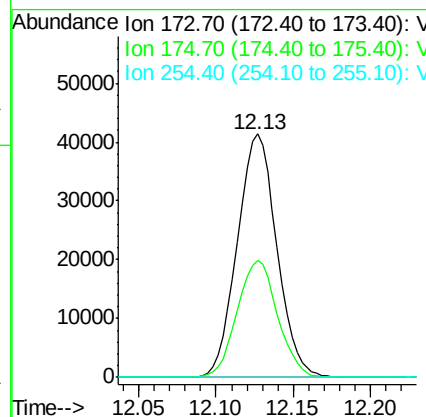
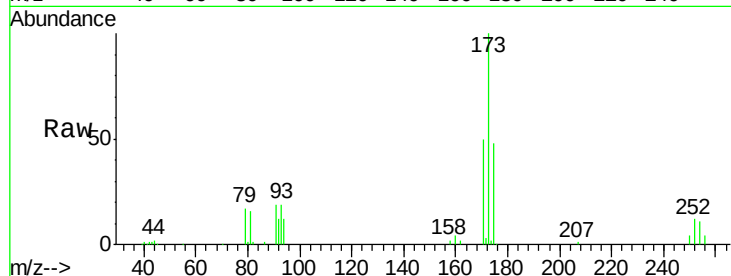
#71
Bromoform
Concen: 17.49 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.0	0.1	0.1#

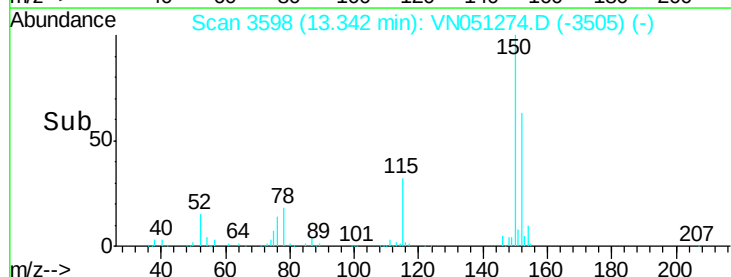
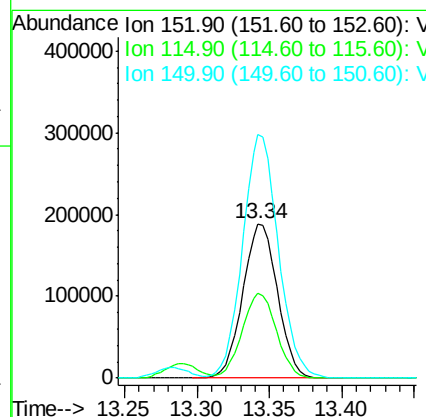
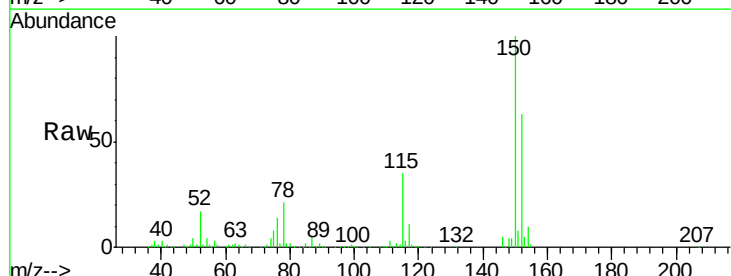
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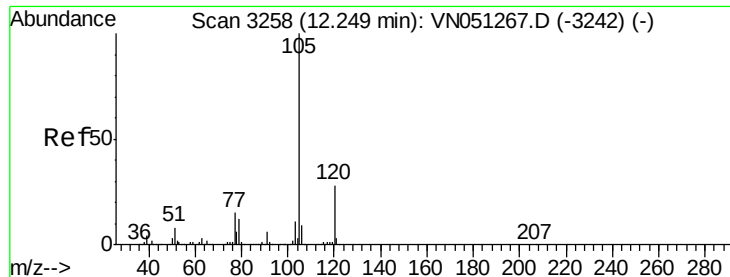
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.1	81.2
150	163.0	0.0	349.0





#73

Isopropylbenzene

Concen: 17.94 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:105 Resp: 473698

Ion Ratio Lower Upper

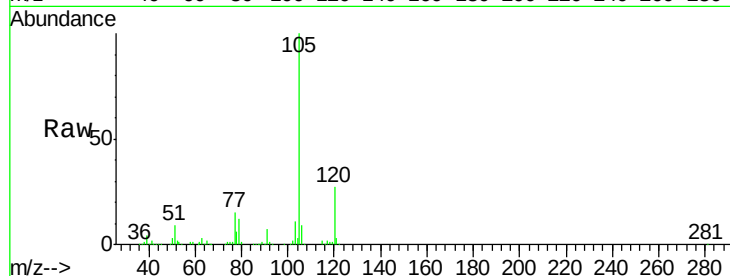
105 100

120 27.1 13.8 41.4

Manual Integrations
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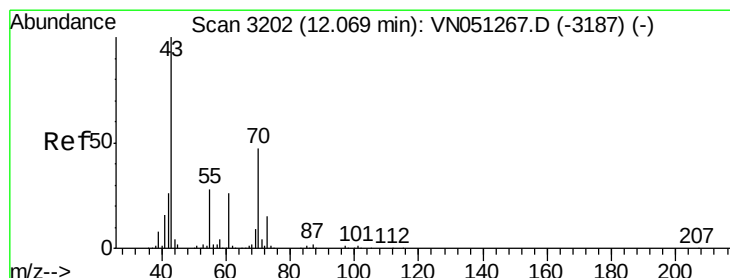
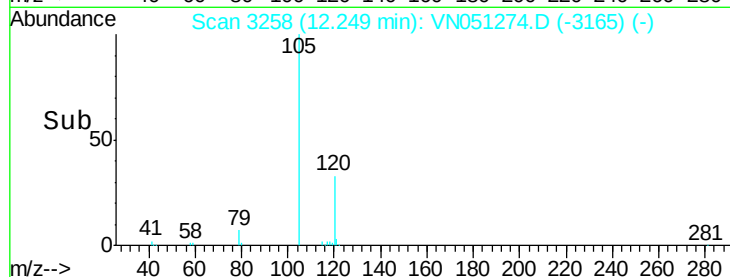
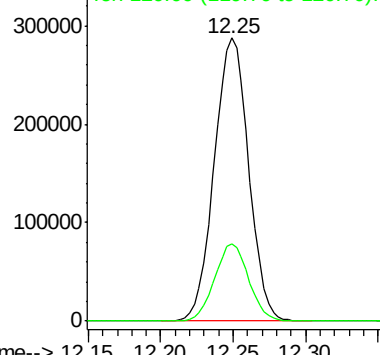
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.88 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion: 43 Resp: 91504

Ion Ratio Lower Upper

43 100

70 44.8 37.8 56.6

55 28.5 22.6 34.0

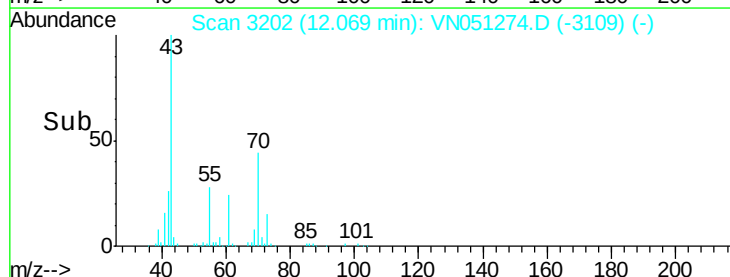
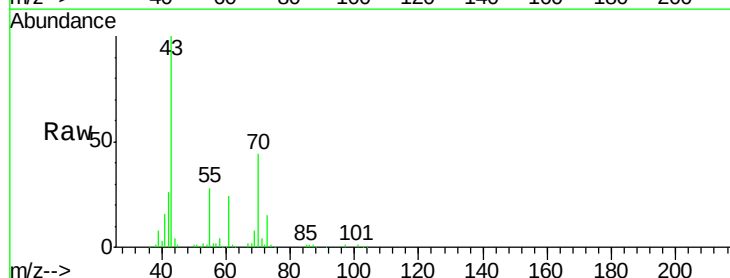
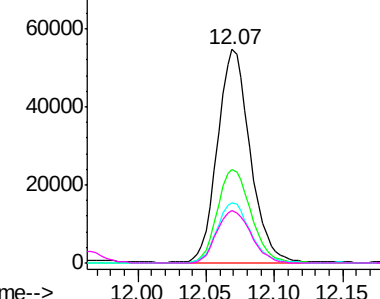
61 25.5 20.9 31.3

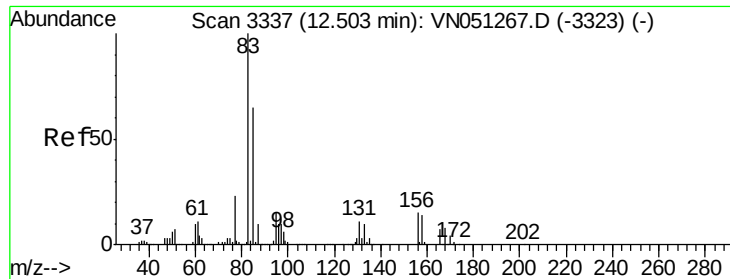
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.86 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 83 Resp: 113286

Ion Ratio Lower Upper

83 100

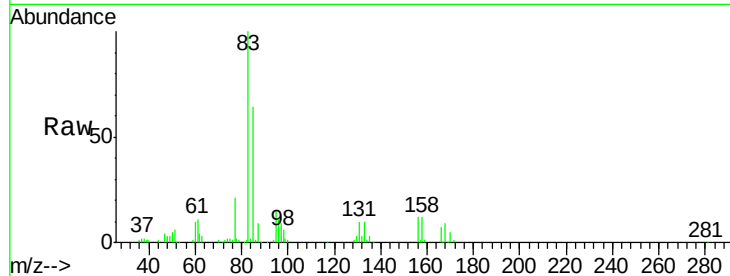
131 10.7 5.5 16.7

85 64.9 32.3 96.9

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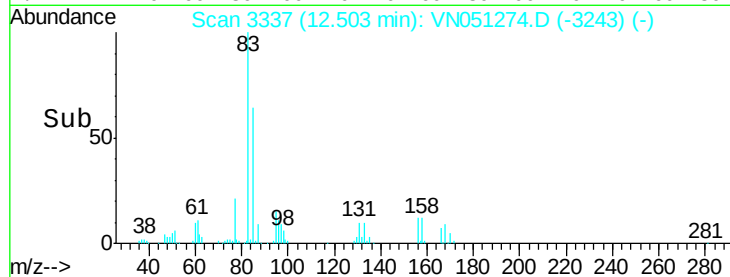


Abundance Ion 82.90 (82.60 to 83.60): VN051267.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN051267.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051267.D (-3323) (-)

Time-->

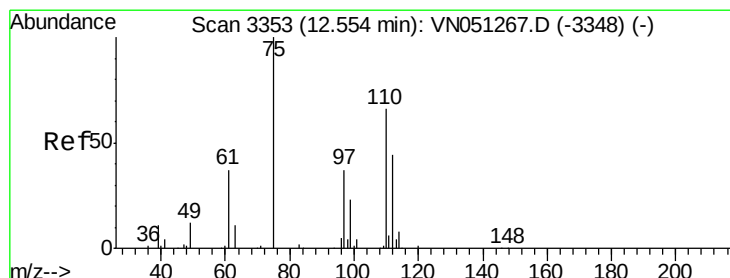


Abundance Ion 82.90 (82.60 to 83.60): VN051267.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN051267.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051267.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.14 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051274.D

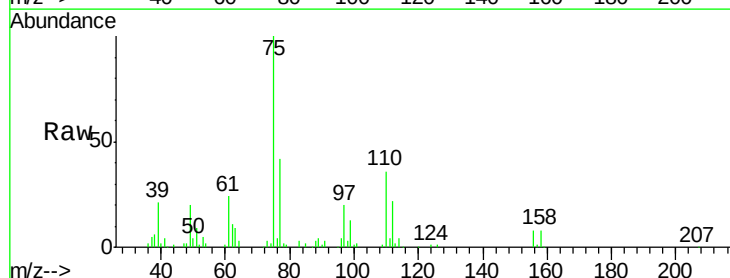
Acq: 17 Sep 2018 16:59

Tgt Ion: 75 Resp: 89343

Ion Ratio Lower Upper

75 100

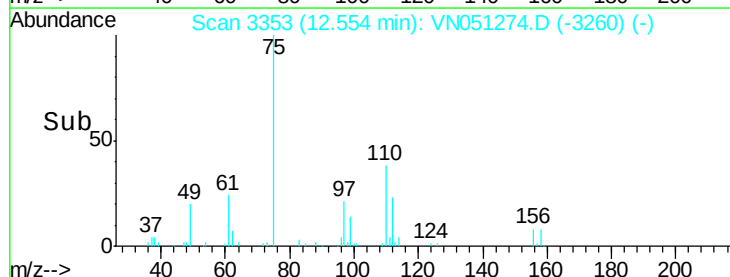
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051267.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051267.D (-3348) (-)

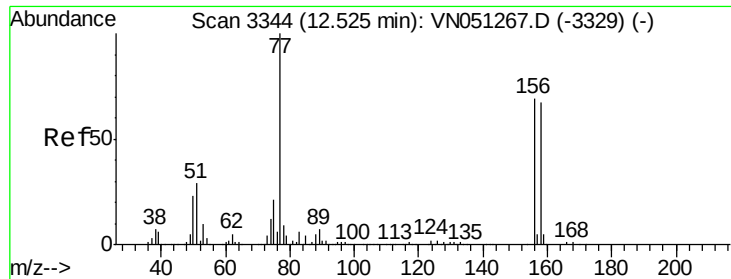
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN051267.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051267.D (-3348) (-)

Time-->



#77

Bromobenzene

Concen: 17.81 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

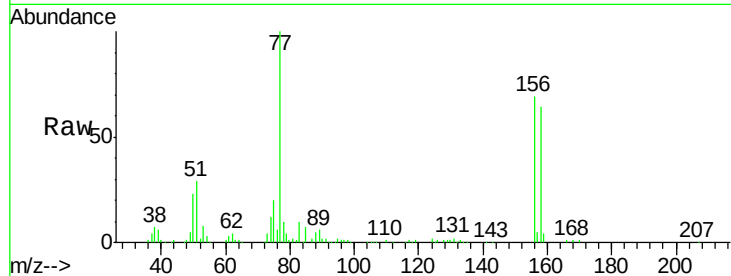
ClientSampleId :

VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	121413		
77	170.8	83.7	251.1	
158	95.8	49.0	147.2	

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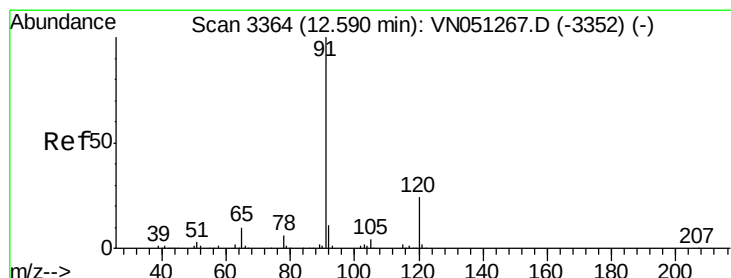
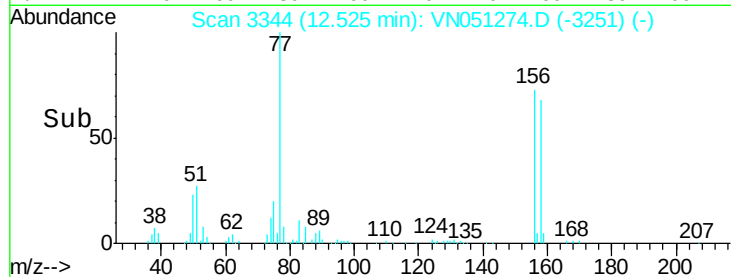
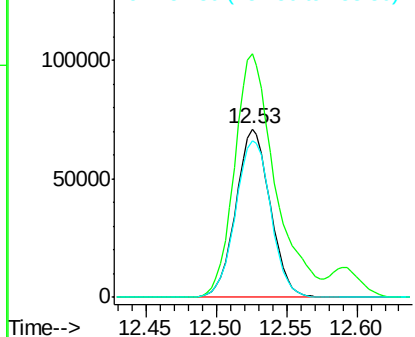
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.24 ug/l

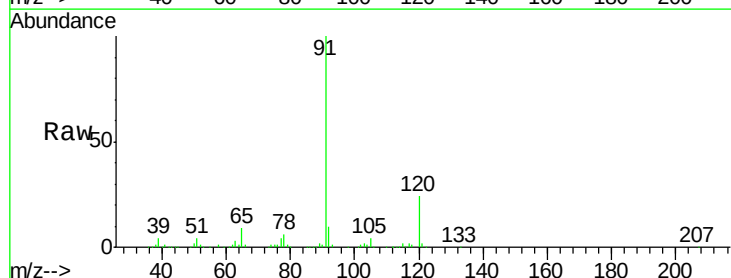
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051274.D

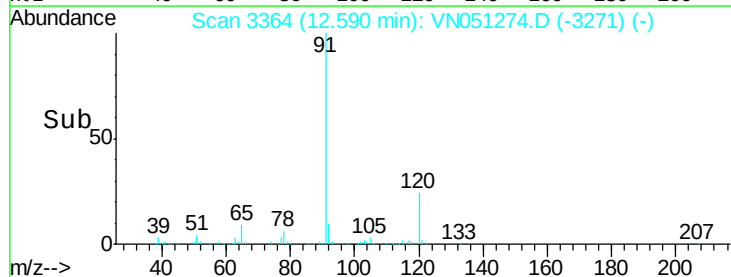
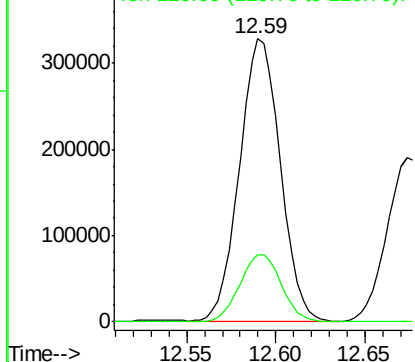
Acq: 17 Sep 2018 16:59

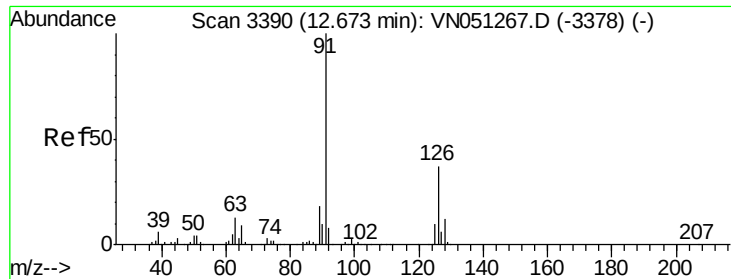
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	519469		
120	24.3	12.1	36.3	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.53 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 91 Resp: 317440

Ion Ratio Lower Upper

91 100

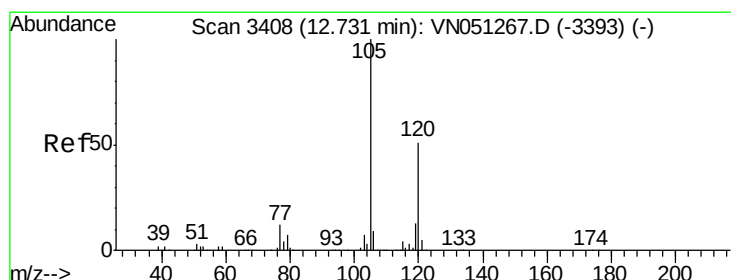
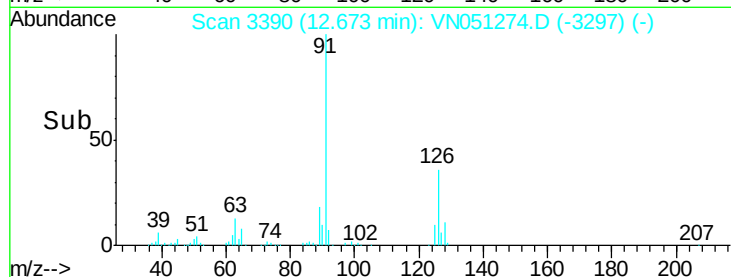
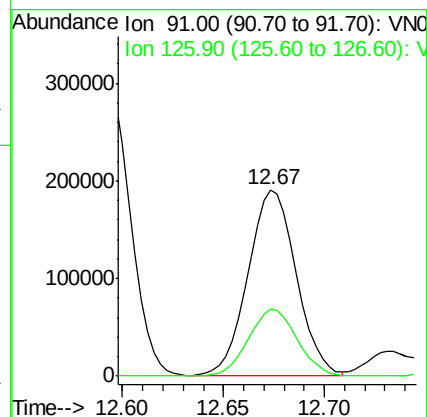
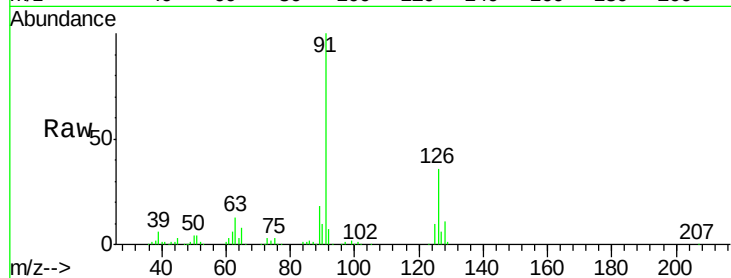
126 36.5 18.2 54.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.47 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051274.D

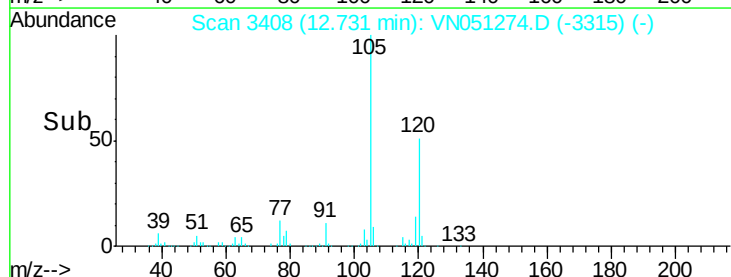
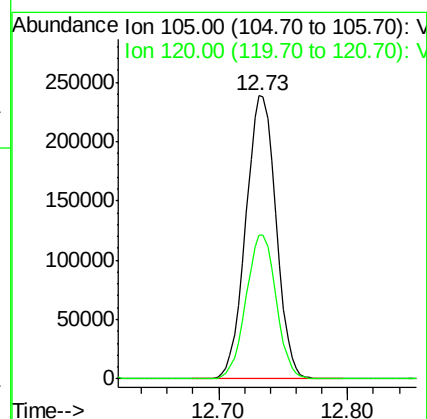
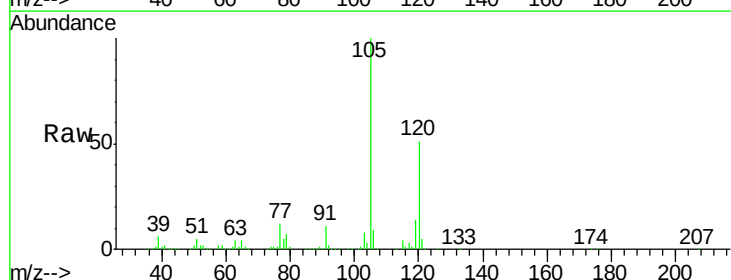
Acq: 17 Sep 2018 16:59

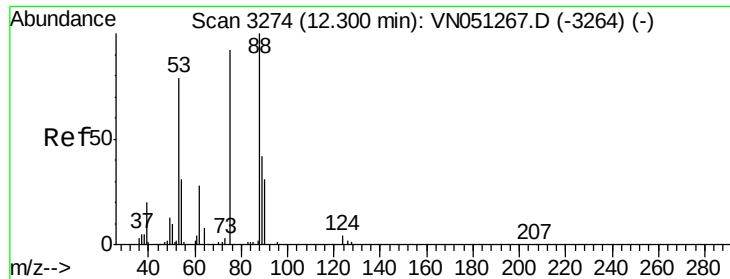
Tgt Ion: 105 Resp: 389951

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.33 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

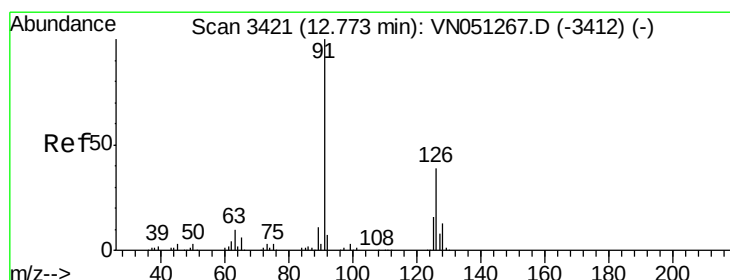
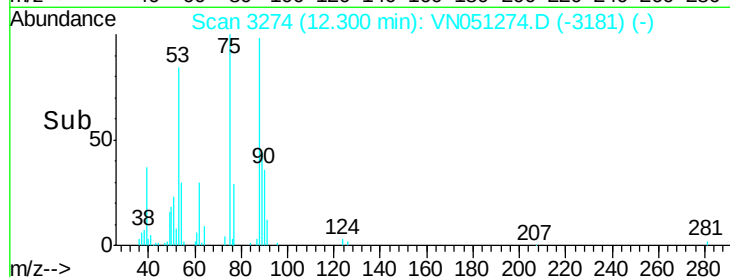
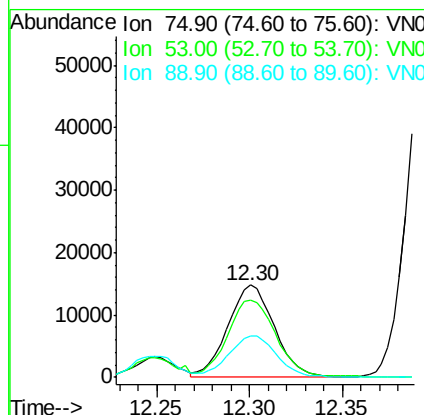
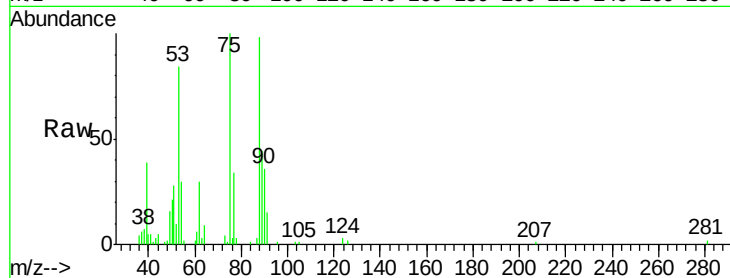
ClientSampleId :

VN0917WBS01

Tot Ion:	75	Resp:	25846
Ion	Ratio	Lower	Upper
75	100		
53	84.9	67.7	101.5
89	46.1	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.89 ug/l

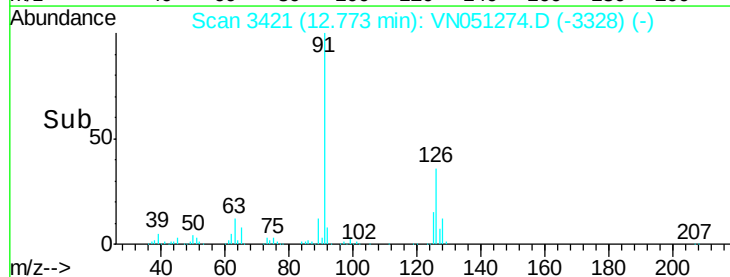
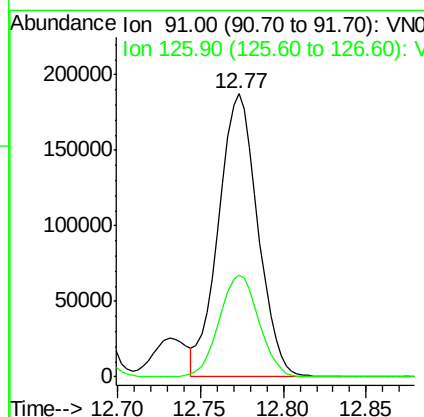
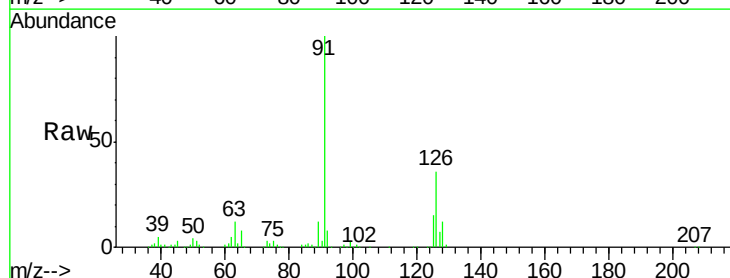
RT: 12.77 min Scan# 3421

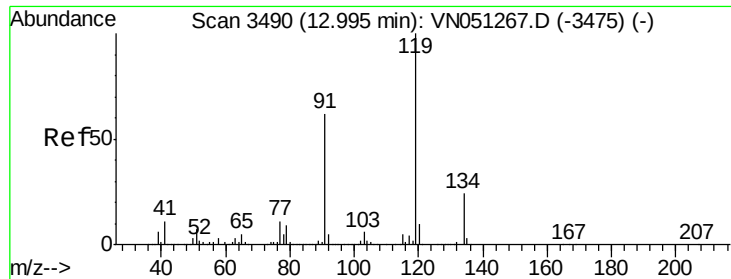
Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion:	91	Resp:	308120
Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8





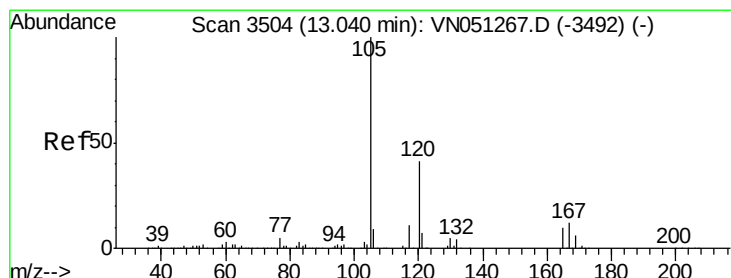
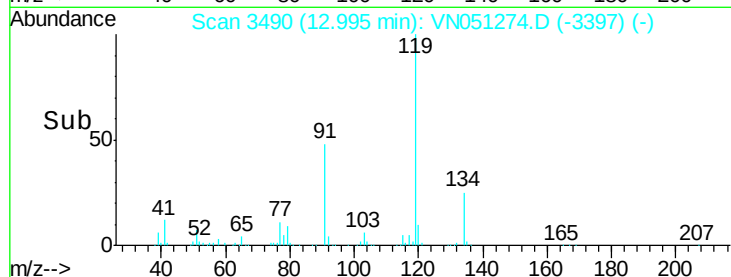
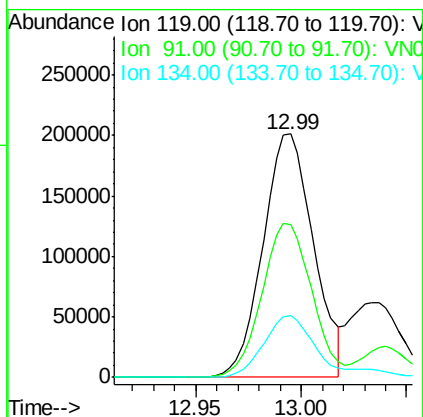
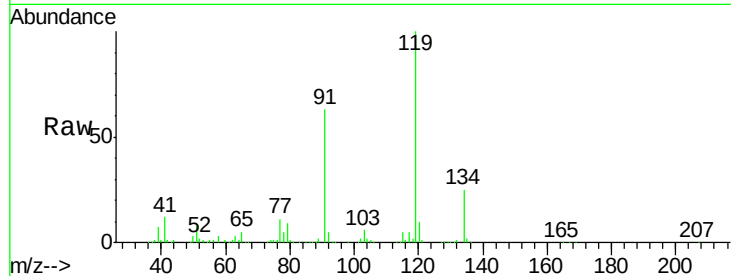
#83
 tert-Butylbenzene
 Concen: 17.97 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	335331		
91	62.3		30.8	92.4
134	25.3		12.4	37.0

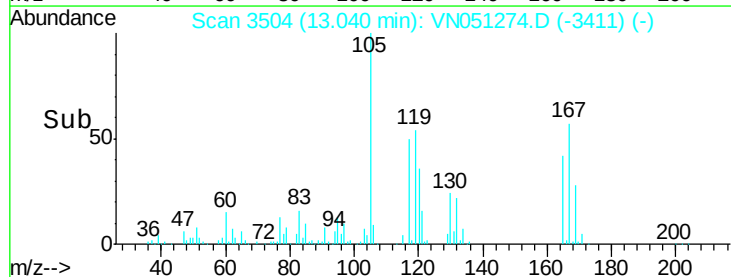
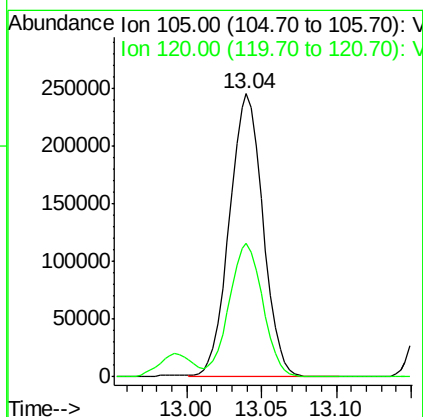
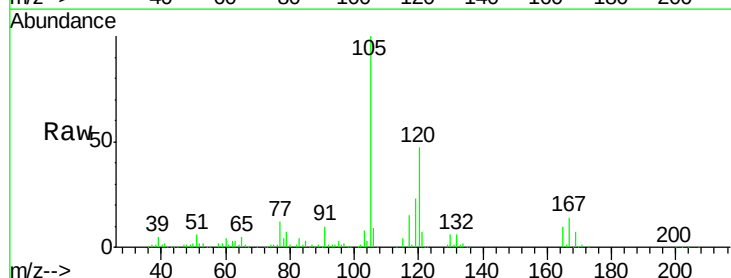
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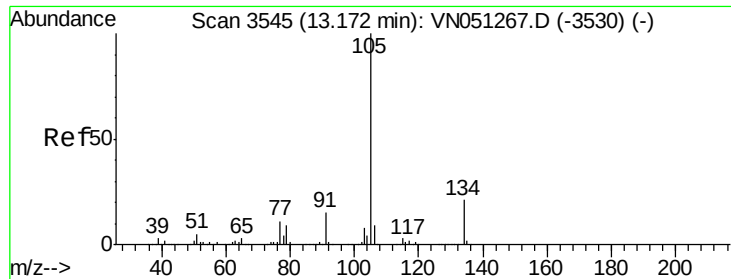
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.74 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	384217		
120	47.3		23.5	70.6





#85

sec-Butylbenzene

Concen: 18.64 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:105 Resp: 441590

Ion Ratio Lower Upper

105 100

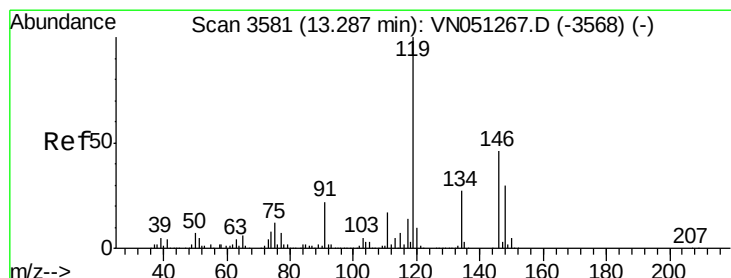
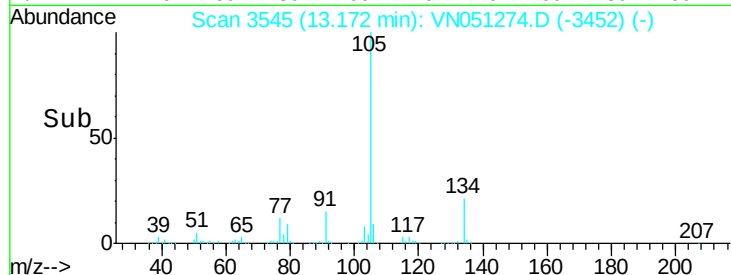
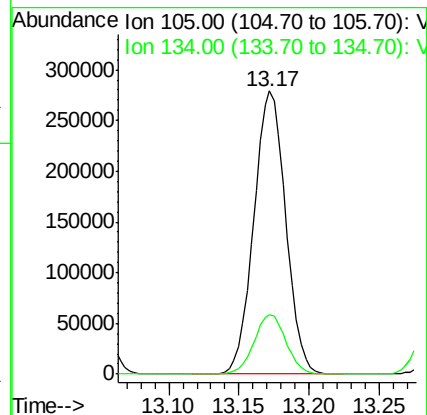
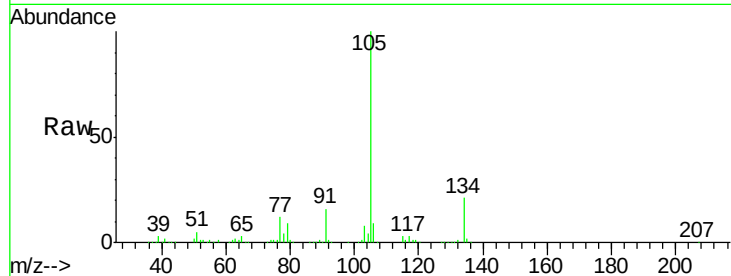
134 21.1 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.10 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

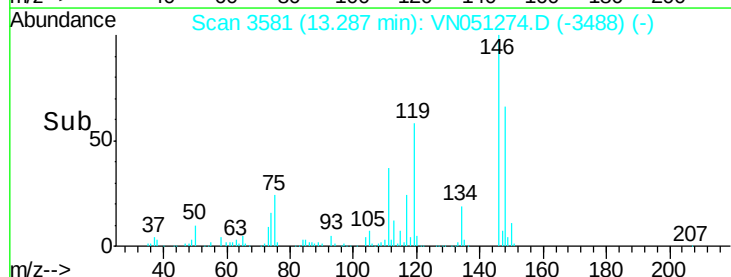
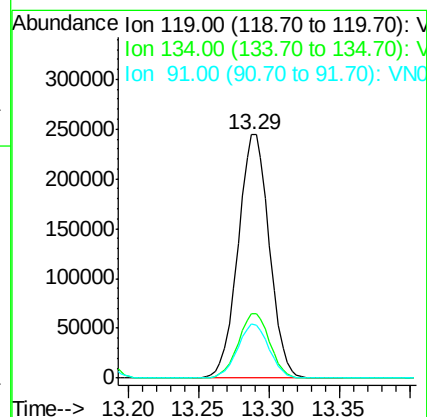
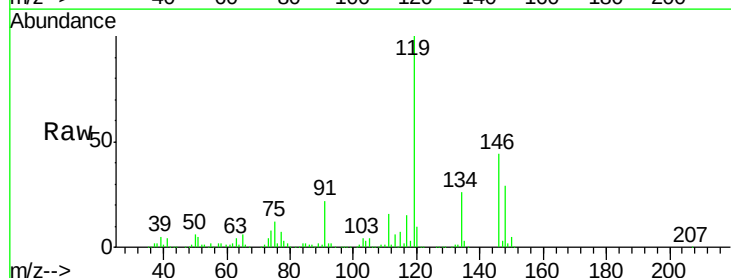
Tgt Ion:119 Resp: 379448

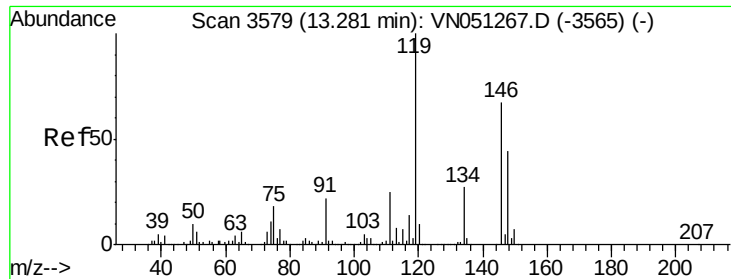
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.1 11.1 33.1





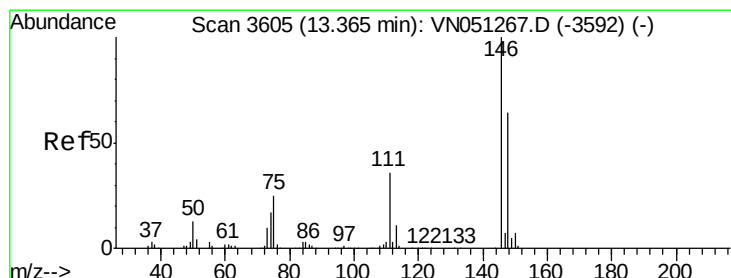
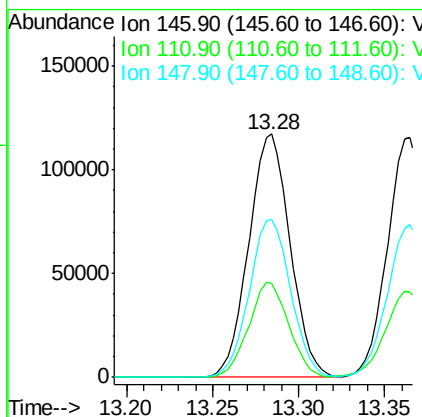
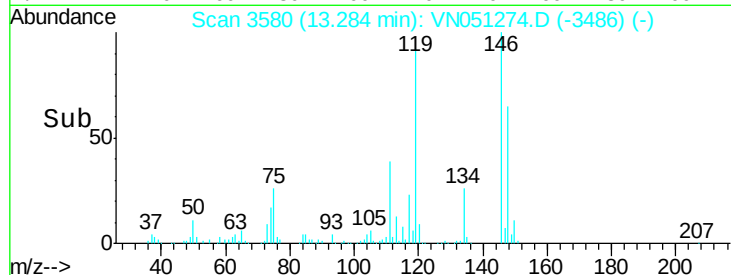
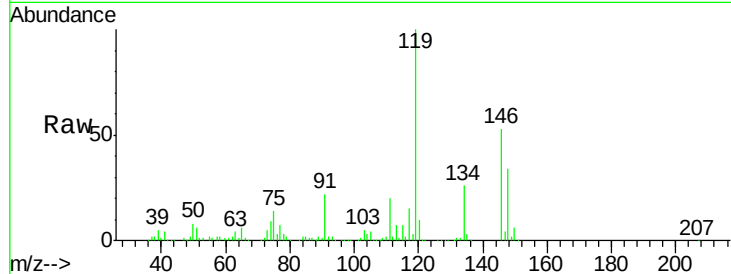
#87
 1,3-Dichlorobenzene
 Concen: 16.81 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	65.1	32.2	96.6

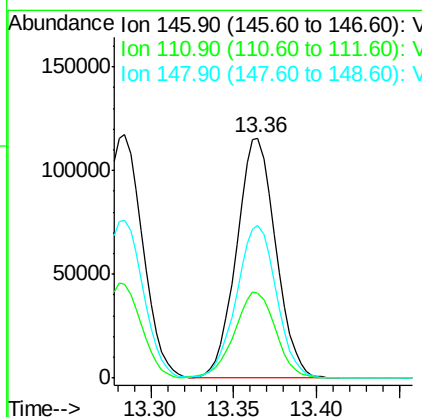
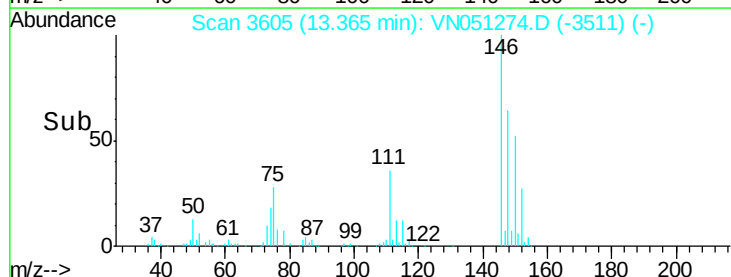
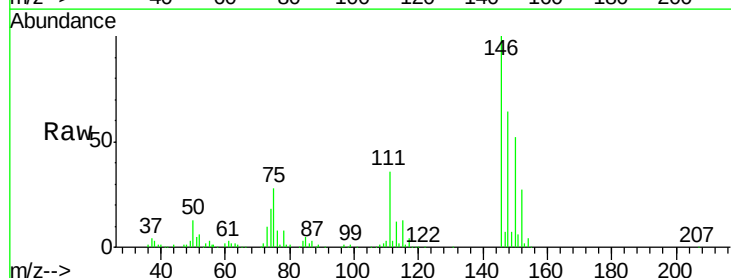
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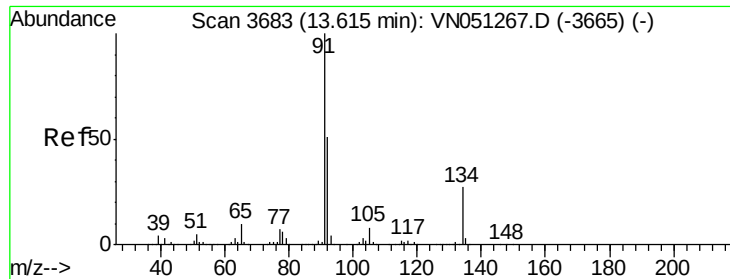
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#88
 1,4-Dichlorobenzene
 Concen: 17.49 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.2	54.6
148	64.9	31.9	95.7





#89

n-Butylbenzene

Concen: 17.27 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

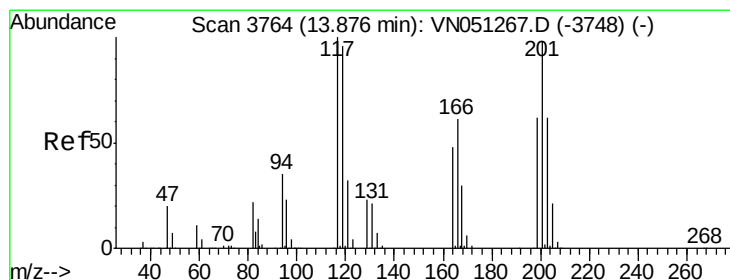
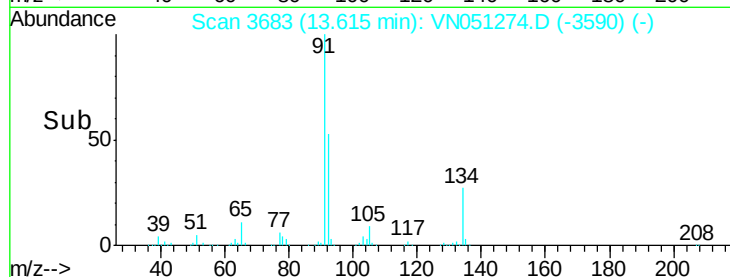
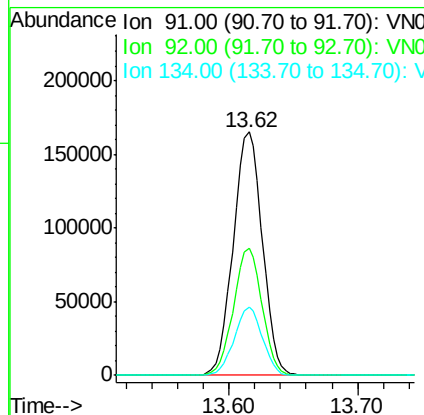
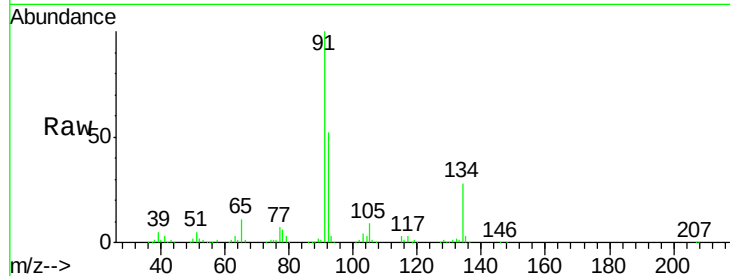
ClientSampleId :

VN0917WBS01

Tot Ion:	91	Resp:	259218
Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.4
134	26.9	13.7	41.0

Manual Integrations
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#90

Hexachloroethane

Concen: 18.13 ug/l

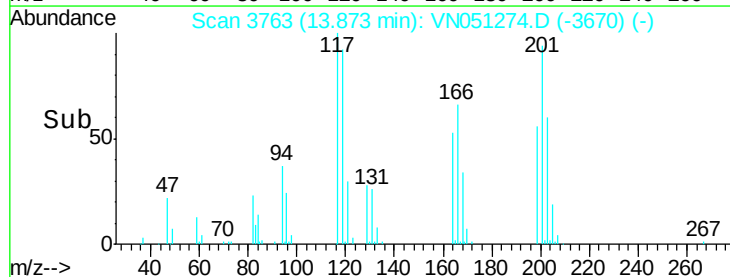
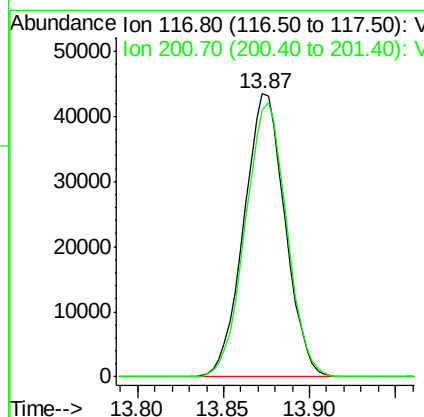
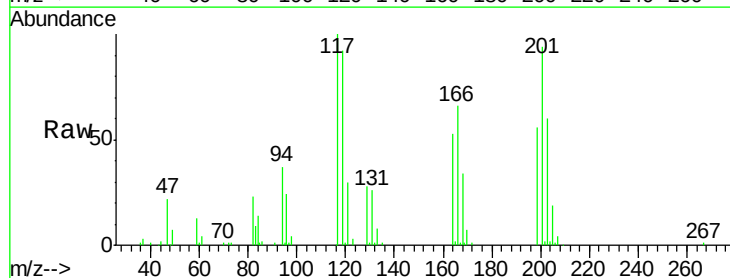
RT: 13.87 min Scan# 3763

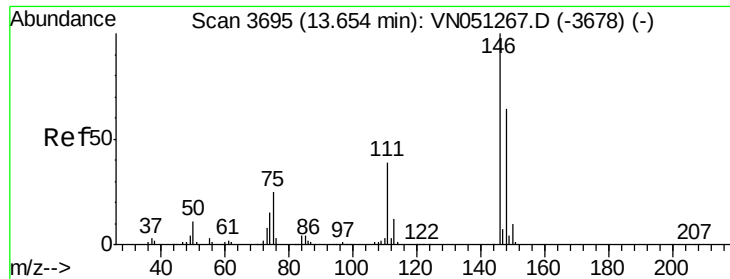
Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion:	117	Resp:	72351
Ion	Ratio	Lower	Upper
117	100		
201	97.0	48.4	145.3





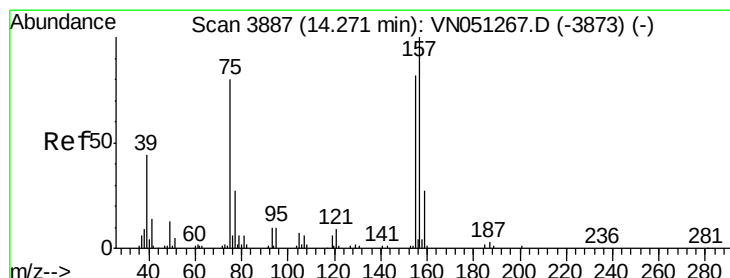
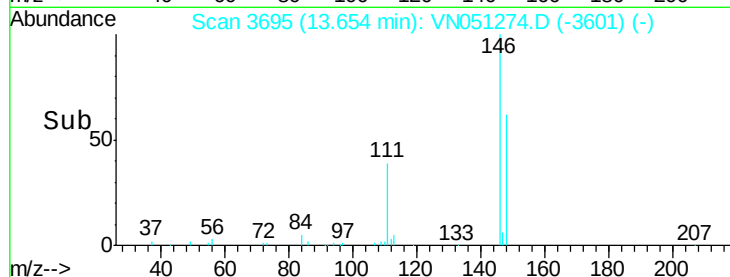
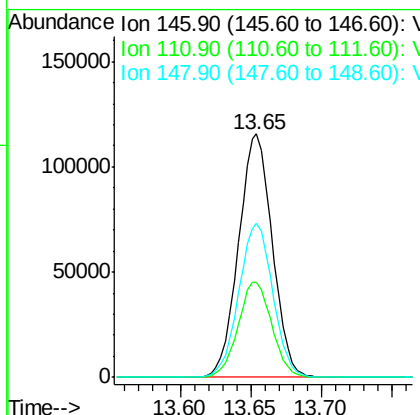
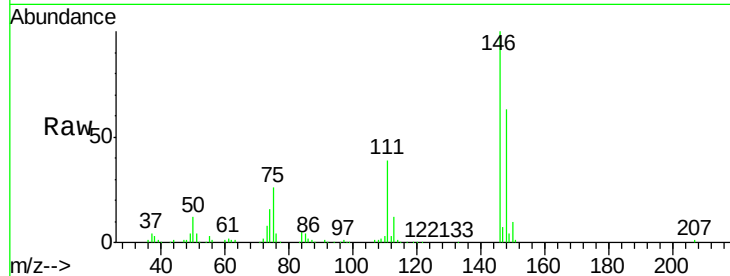
#91
 1,2-Dichlorobenzene
 Concen: 17.73 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.5	31.9	95.9

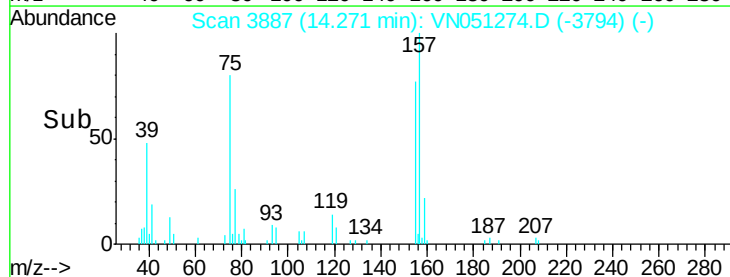
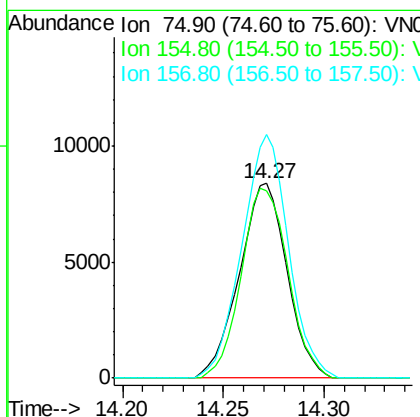
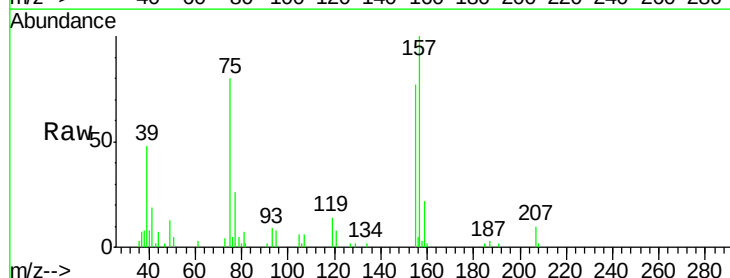
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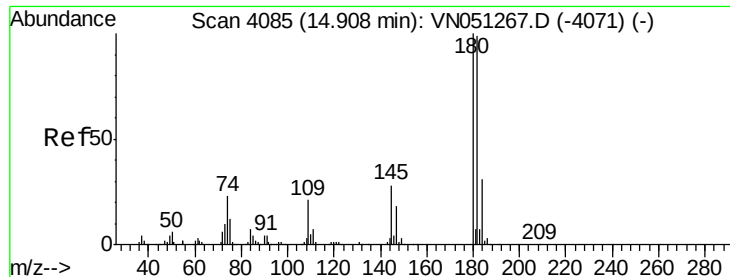
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.14 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	50.2	150.7
157	122.4	62.9	188.7





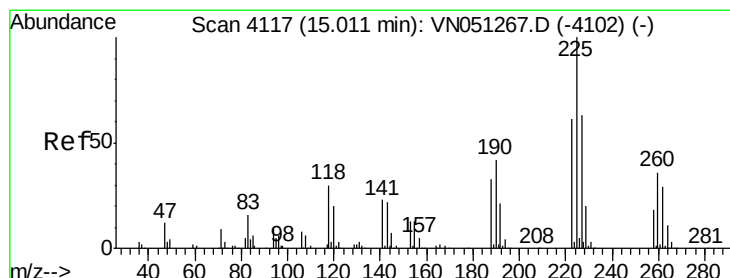
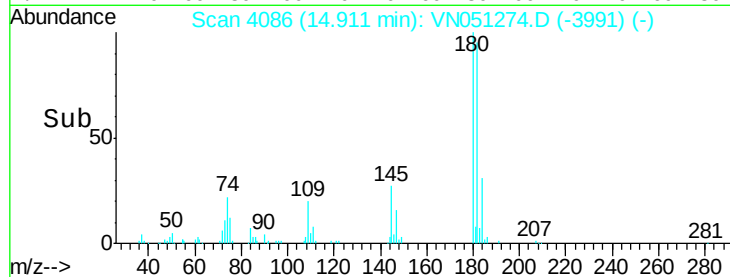
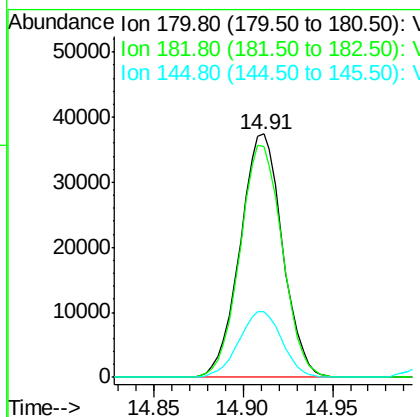
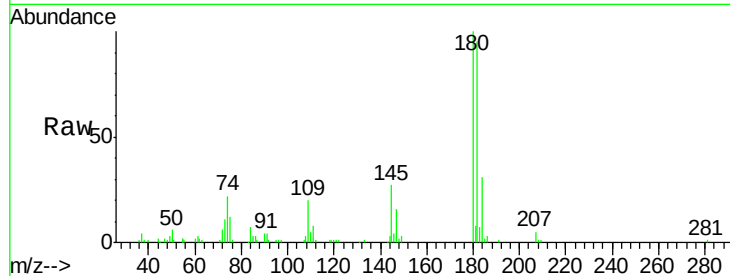
#93
 1,2,4-Trichlorobenzene
 Concen: 15.57 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61859		
182	95.4	48.5	145.6	
145	27.5	14.0	41.9	

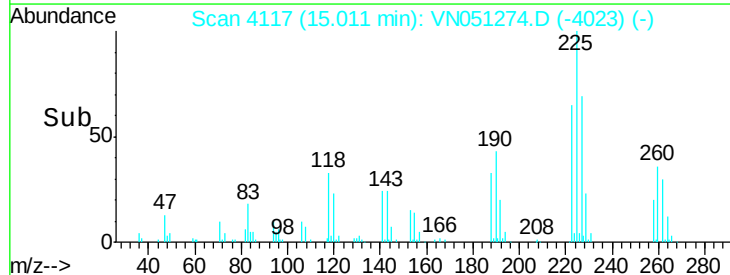
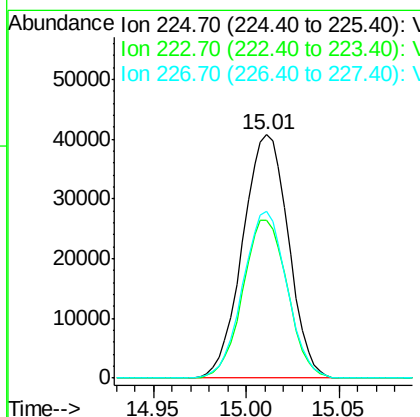
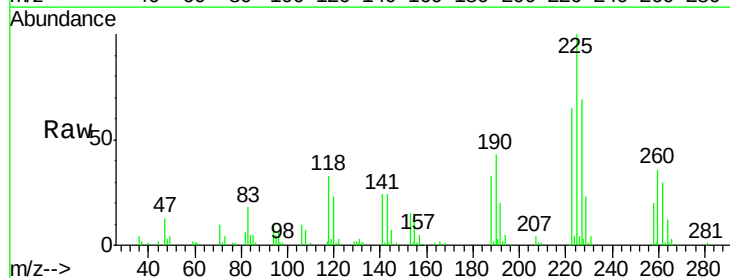
Manual Integrations
 APPROVED

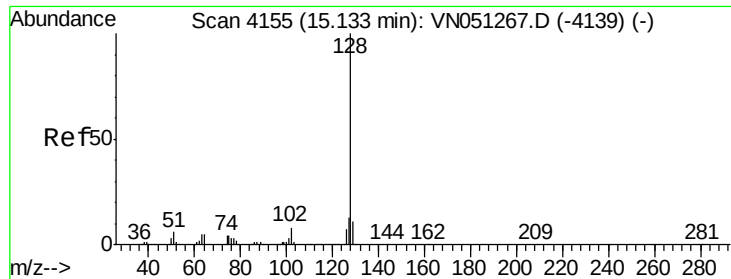
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 9/19/2018 4:57:55 PM



#94
 Hexachlorobutadiene
 Concen: 18.59 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69681		
223	63.3	30.8	92.3	
227	65.8	32.1	96.3	





#95

Naphthalene

Concen: 15.55 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

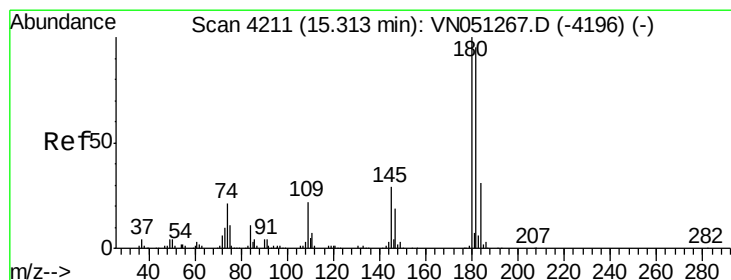
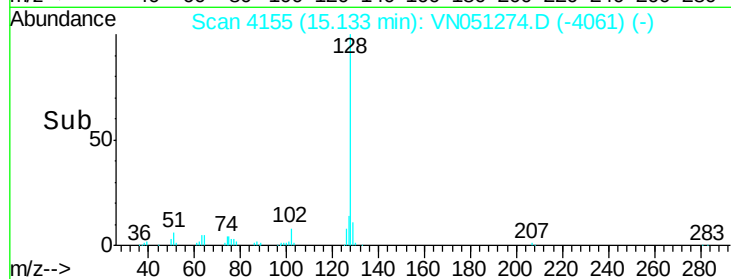
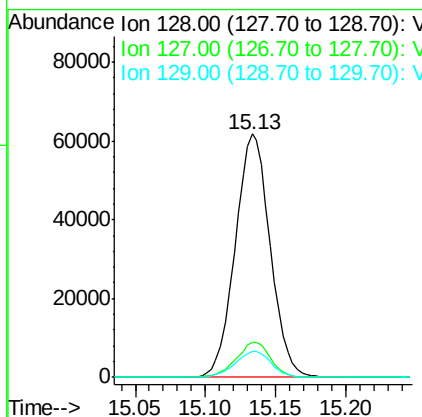
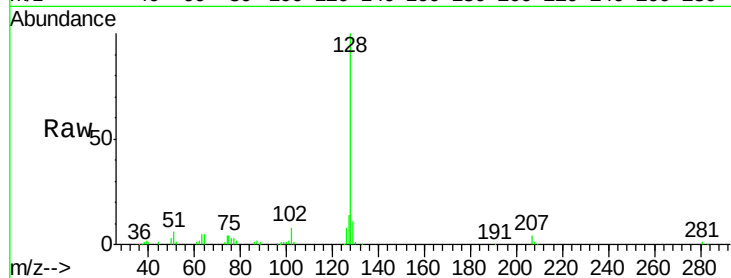
ClientSampleId :

VN0917WBS01

Tot Ion:	128	Resp:	106975
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.7	16.1
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/19/2018 4:57:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.44 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion:	180	Resp:	68107
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.5	142.6
145	29.2	14.8	44.4

