

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052864.D
 Acq On : 13 Dec 2018 15:07
 Operator : MD\SY
 Sample : VN1213WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:03:06 AM

Quant Time: Dec 14 03:07:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1078605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1688225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1480489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	682814	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	574546	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	475718	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	10.09	98	2037639	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	695586	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	216763	19.523	ug/l	100
3) Chloromethane	2.06	50	261639	19.634	ug/l	99
4) Vinyl Chloride	2.19	62	267096	20.034	ug/l	98
5) Bromomethane	2.58	94	161931	19.693	ug/l	100
6) Chloroethane	2.71	64	157486	19.985	ug/l	98
7) Trichlorofluoromethane	3.02	101	331578	20.061	ug/l	98
8) Diethyl Ether	3.41	74	125280	20.778	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	201859	19.705	ug/l	97
10) Methyl Iodide	3.96	142	274332	19.122	ug/l	99
11) Tert butyl alcohol	4.78	59	57693	90.030	ug/l	99
12) 1,1-Dichloroethene	3.74	96	198731	20.040	ug/l	99
13) Acrolein	3.61	56	66660	110.486	ug/l	99
14) Allyl chloride	4.33	41	309548	19.111	ug/l	96
15) Acrylonitrile	4.99	53	362013	100.698	ug/l	99
16) Acetone	3.81	43	231242	89.776	ug/l	97
17) Carbon Disulfide	4.06	76	559930	18.380	ug/l	99
18) Methyl Acetate	4.33	43	181427	19.192	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	548144	20.361	ug/l	99
20) Methylene Chloride	4.55	84	227245	19.604	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	212781	19.805	ug/l	99
22) Diisopropyl ether	5.95	45	704509	20.388	ug/l	98
23) Vinyl Acetate	5.90	43	2074522	100.894	ug/l	100
24) 1,1-Dichloroethane	5.85	63	408150	20.482	ug/l	100
25) 2-Butanone	6.83	43	376189	94.125	ug/l	98
26) 2,2-Dichloropropane	6.83	77	267798	18.249	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	246888	20.247	ug/l	99
28) Bromochloromethane	7.20	49	182975	20.449	ug/l	96
29) Tetrahydrofuran	7.21	42	268821	98.524	ug/l	98
30) Chloroform	7.37	83	392315	20.189	ug/l	99
31) Cyclohexane	7.66	56	387180	19.569	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	318951	19.618	ug/l	99
36) 1,1-Dichloropropene	7.80	75	303889	19.547	ug/l	100
37) Ethyl Acetate	6.93	43	183302	19.627	ug/l	99
38) Carbon Tetrachloride	7.78	117	276113	19.296	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	369603	19.373	ug/l	99
40) Benzene	8.04	78	934921	20.037	ug/l	100
41) Methacrylonitrile	7.17	41	93950	18.156	ug/l	97
42) 1,2-Dichloroethane	8.13	62	278376	19.817	ug/l	99
43) Isopropyl Acetate	8.16	43	341996	17.861	ug/l	100
44) Trichloroethene	8.84	130	247800	19.661	ug/l	98
45) 1,2-Dichloropropane	9.12	63	246080	20.135	ug/l	99
46) Dibromomethane	9.21	93	138841	19.589	ug/l	99
47) Bromodichloromethane	9.40	83	285334	19.413	ug/l	99
48) Methyl methacrylate	9.20	41	165216	19.675	ug/l	98
49) 1,4-Dioxane	9.20	88	37678	395.297	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	879939	100.219	ug/l	100
52) Toluene	10.16	92	565984	20.028	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	282811	19.121	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	345418	19.599	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200270	19.852	ug/l	99
56) Ethyl methacrylate	10.43	69	256279	19.795	ug/l	99
57) 1,3-Dichloropropane	10.71	76	344131	19.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	711369	98.475	ug/l	98
59) 2-Hexanone	10.75	43	578787	96.189	ug/l	99
60) Dibromochloromethane	10.90	129	210106	19.271	ug/l	98
61) 1,2-Dibromoethane	11.01	107	195865	19.642	ug/l	99
64) Tetrachloroethene	10.63	164	257079	20.204	ug/l	99
65) Chlorobenzene	11.43	112	618890	20.150	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	208425	19.511	ug/l	100
67) Ethyl Benzene	11.51	91	1059626	20.089	ug/l	100
68) m/p-Xylenes	11.62	106	801195	40.452	ug/l	100
69) o-Xylene	11.95	106	390367	20.184	ug/l	99
70) Styrene	11.96	104	630906	20.293	ug/l	100
71) Bromoform	12.13	173	134926	18.592	ug/l #	99
73) Isopropylbenzene	12.25	105	1038728	20.375	ug/l	100
74) N-amyl acetate	12.07	43	279329	19.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222406	19.465	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	194244m	19.281	ug/l	
77) Bromobenzene	12.53	156	262995	20.282	ug/l	100
78) n-propylbenzene	12.59	91	1180910	20.310	ug/l	100
79) 2-Chlorotoluene	12.67	91	691433	20.115	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	842920	20.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56985	18.172	ug/l	97
82) 4-Chlorotoluene	12.77	91	703265	20.011	ug/l	99
83) tert-Butylbenzene	12.99	119	738728	20.348	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	845249	20.287	ug/l	99
85) sec-Butylbenzene	13.17	105	991820	20.173	ug/l	100
86) p-Isopropyltoluene	13.29	119	853966	20.048	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	458791	19.910	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	452142	19.814	ug/l	99
89) n-Butylbenzene	13.62	91	696044	19.411	ug/l	100
90) Hexachloroethane	13.88	117	131925	18.496	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	442865	19.979	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33840	19.648	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	240278	19.942	ug/l	99
94) Hexachlorobutadiene	15.01	225	135476	19.425	ug/l	98
95) Naphthalene	15.13	128	517707	20.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	223161	20.185	ug/l	99

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

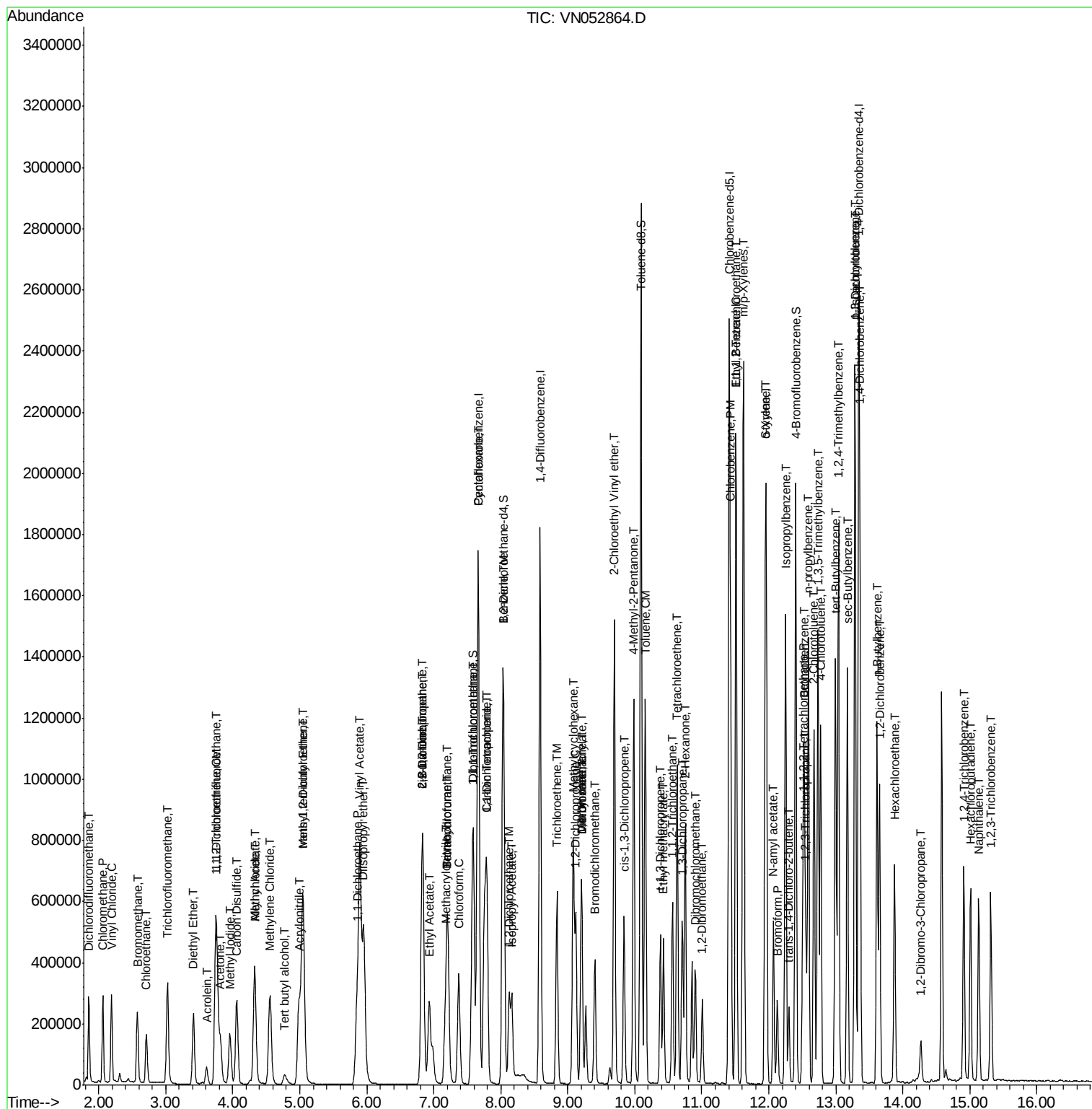
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Data File : VN052864.D
Acq On : 13 Dec 2018 15:07
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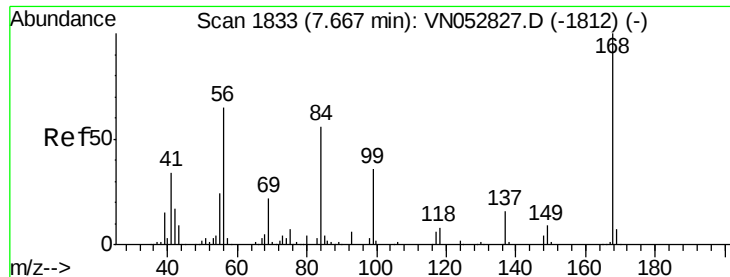
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion:168 Resp: 1078605

Ion Ratio Lower Upper

168 100

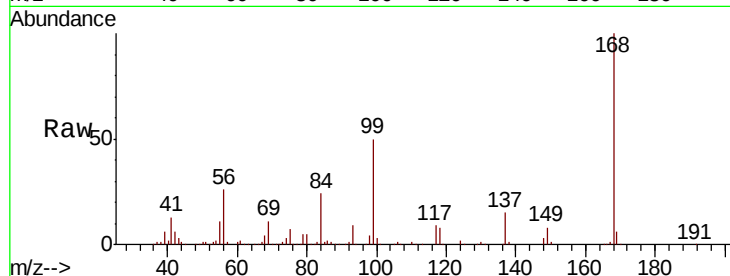
99 50.0 40.2 60.2

Manual Integrations

APPROVED

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12/14/2018 9:03:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

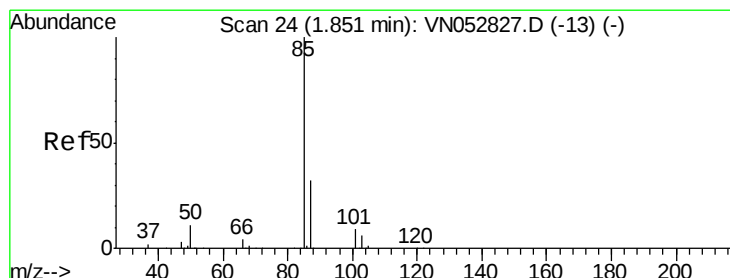
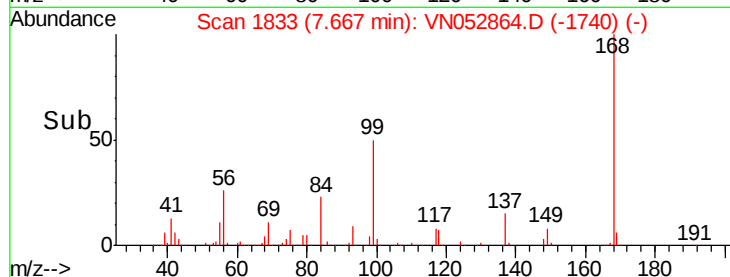
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.523 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052864.D

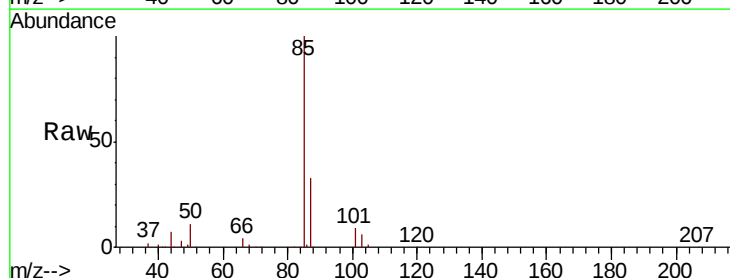
Acq: 13 Dec 2018 15:07

Tgt Ion: 85 Resp: 216763

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

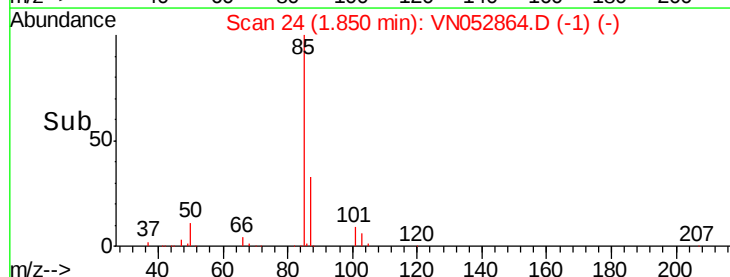
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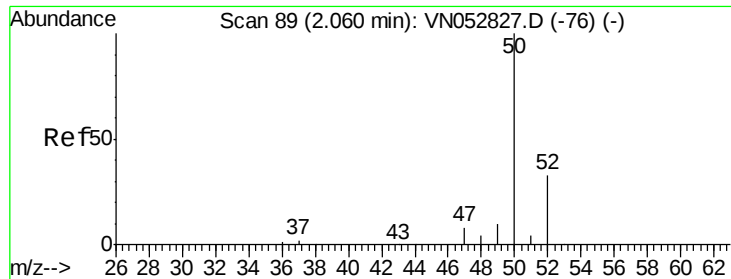
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 19.634 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion: 50 Resp: 261639

Ion Ratio Lower Upper

50 100

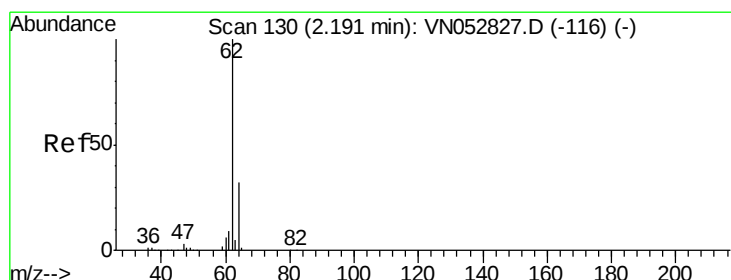
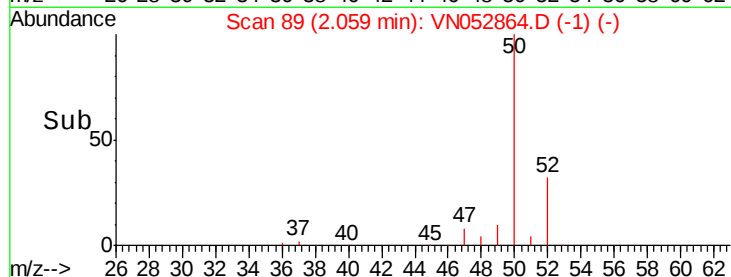
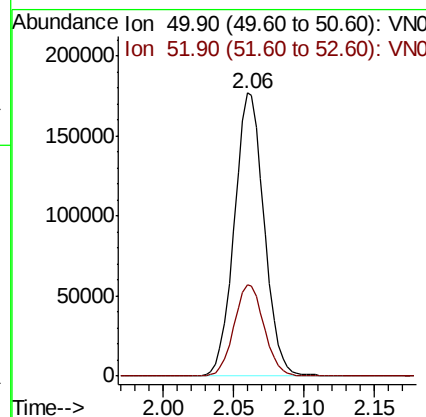
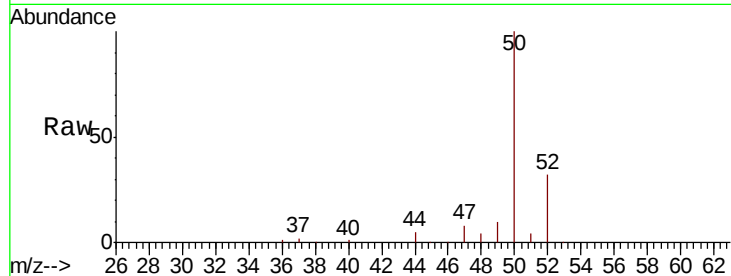
52 32.3 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.034 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052864.D

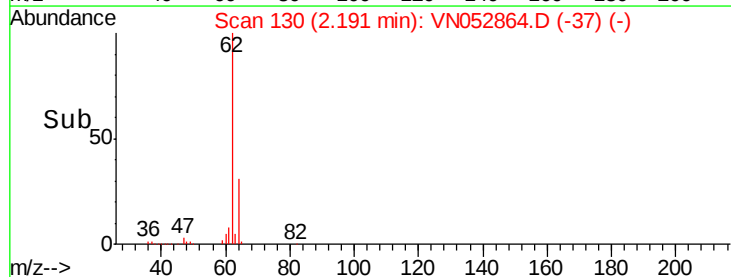
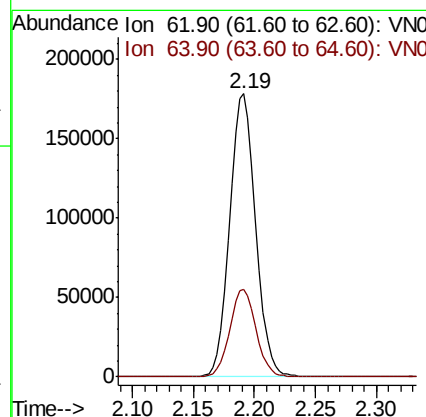
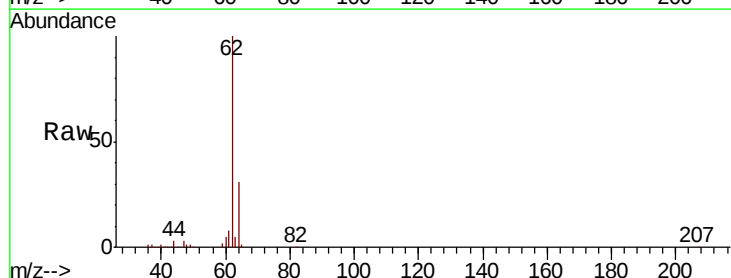
Acq: 13 Dec 2018 15:07

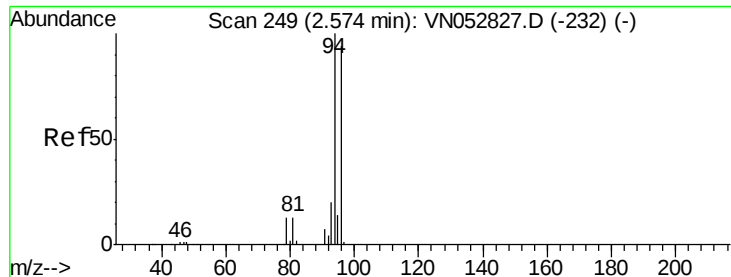
Tgt Ion: 62 Resp: 267096

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 19.693 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 161931

Ion Ratio Lower Upper

94 100

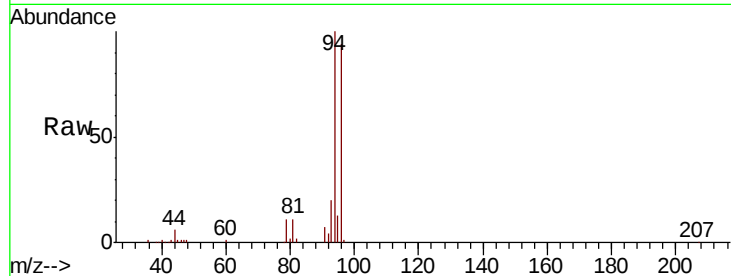
96 94.0 75.0 112.4

Manual Integrations

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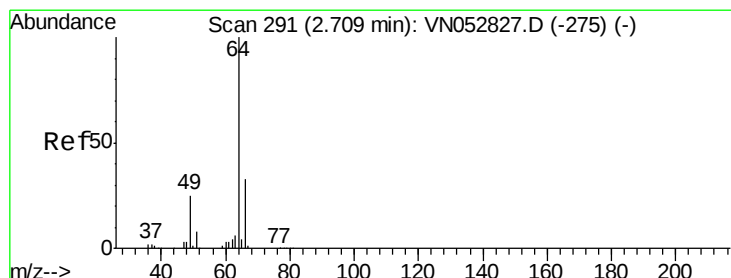
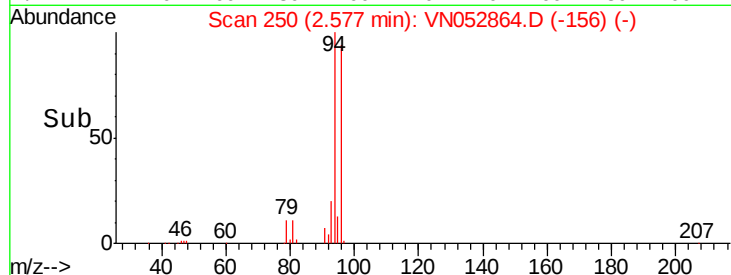
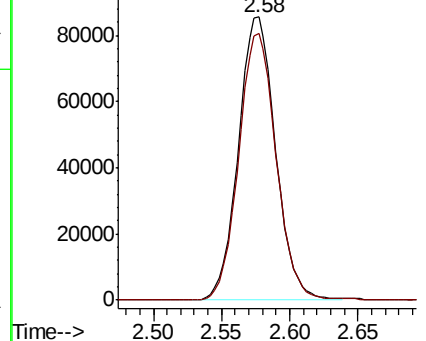
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.985 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052864.D

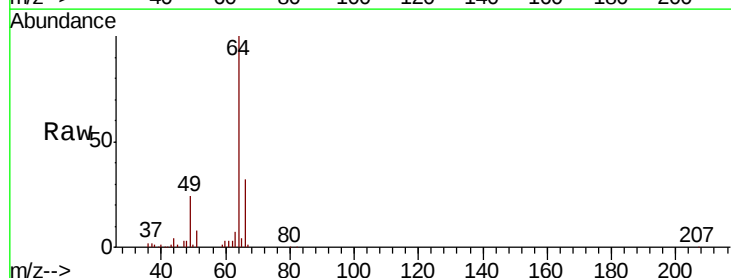
Acq: 13 Dec 2018 15:07

Tgt Ion: 64 Resp: 157486

Ion Ratio Lower Upper

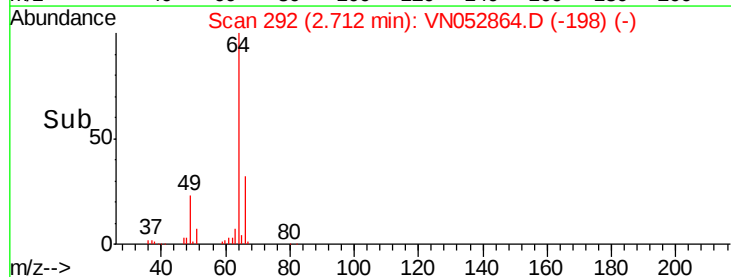
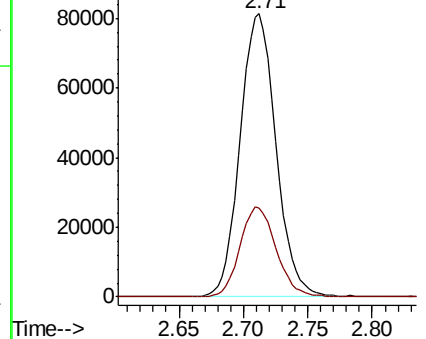
64 100

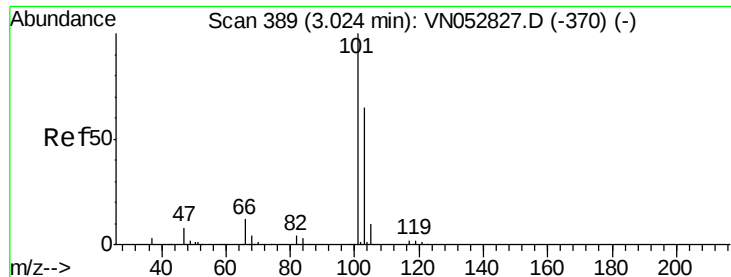
66 31.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

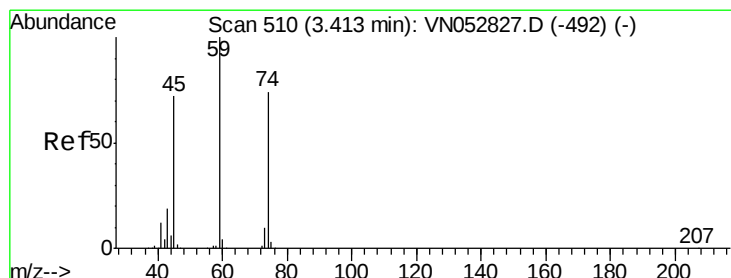
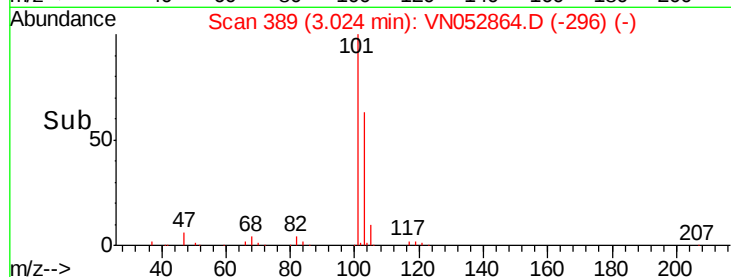
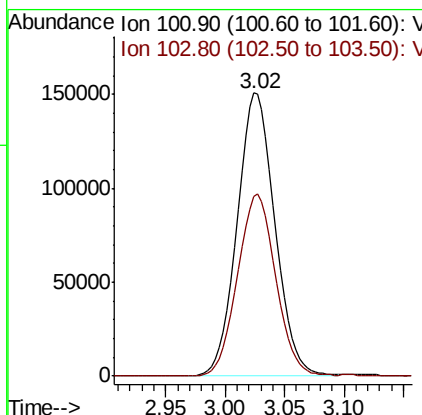
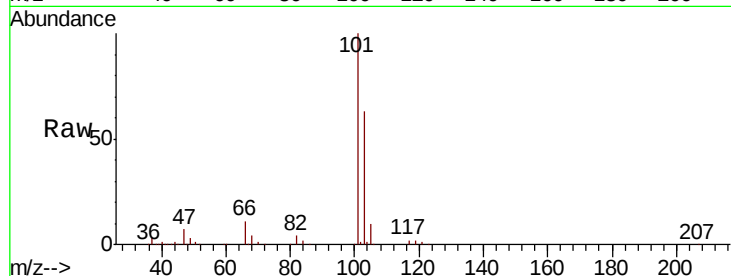
Trichlorofluoromethane
 Concen: 20.061 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

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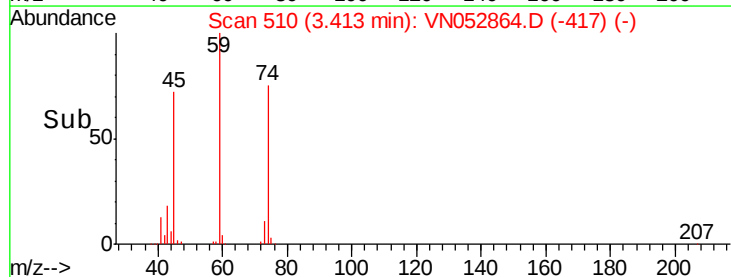
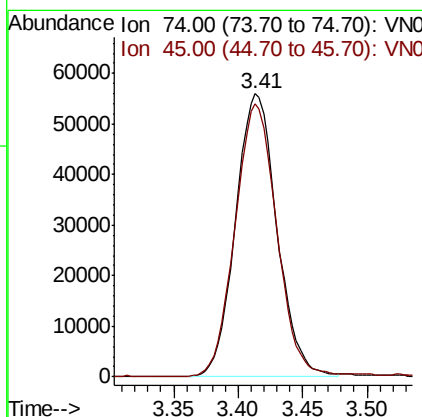
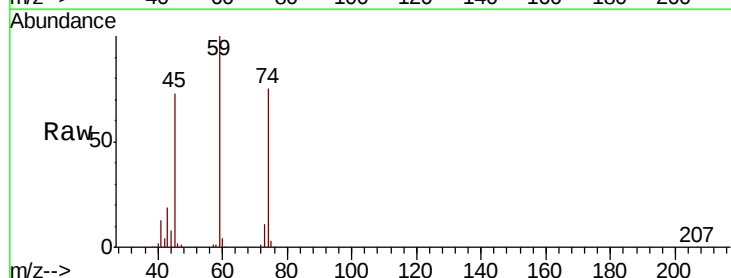
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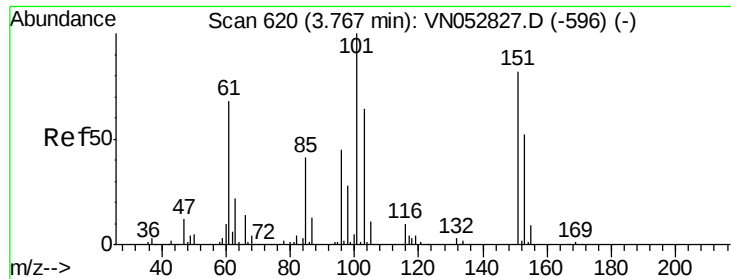


#8

Diethyl Ether
 Concen: 20.778 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.705 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

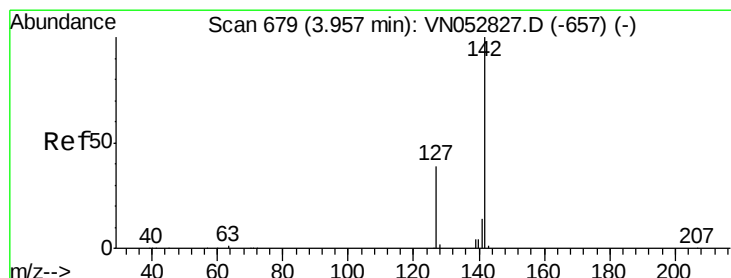
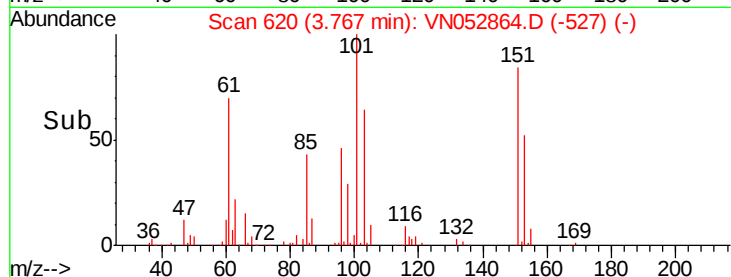
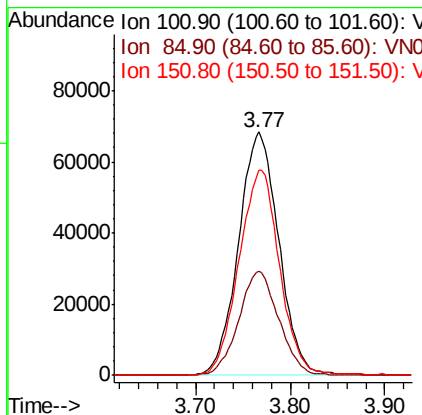
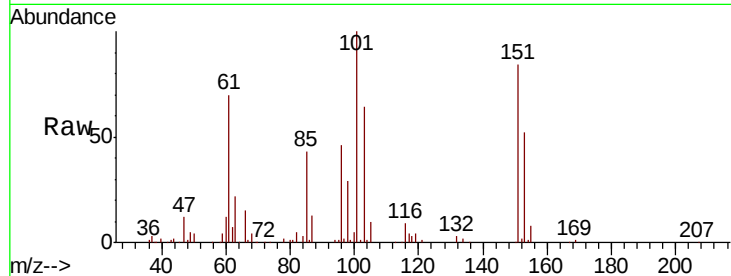
ClientSampleId :

VN1213WBS01

Tot Ion:	101	Resp:	201859
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.6	50.4
151	85.1	65.5	98.3

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#10

Methyl Iodide

Concen: 19.122 ug/l

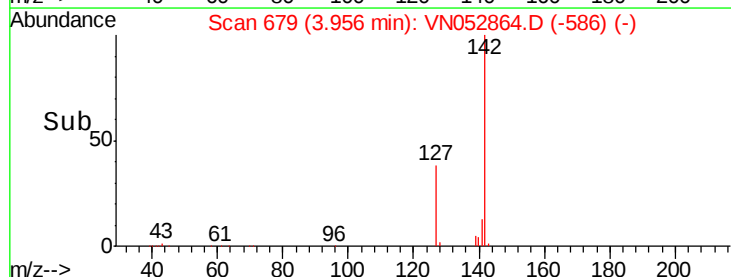
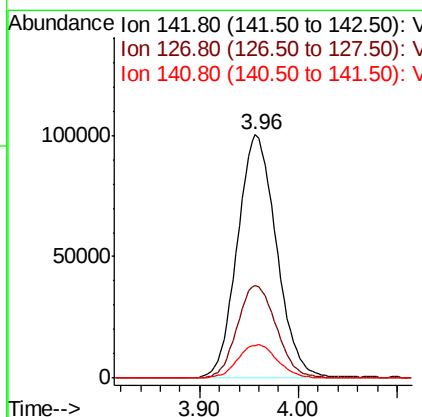
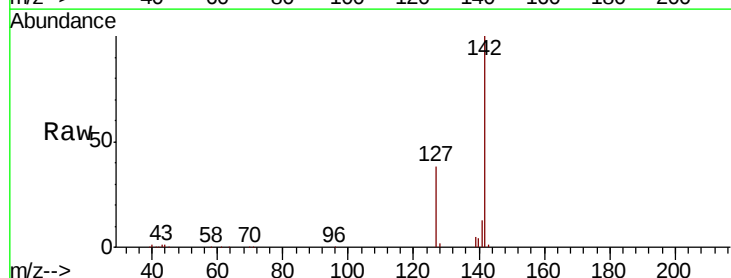
RT: 3.96 min Scan# 679

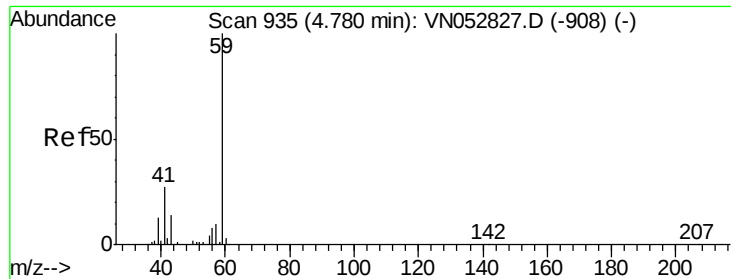
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	142	Resp:	274332
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.6
141	14.0	11.2	16.8





#11

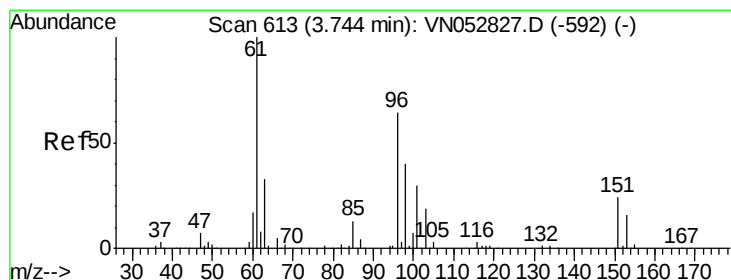
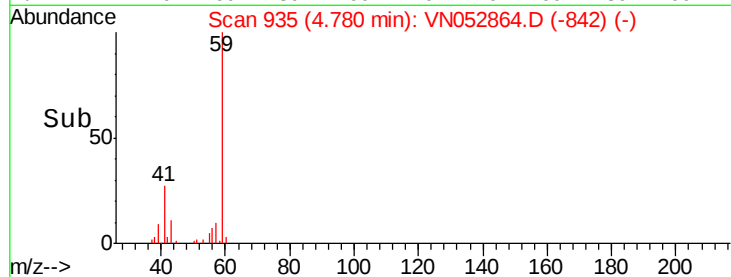
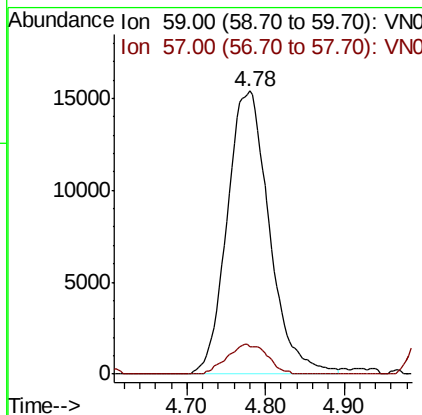
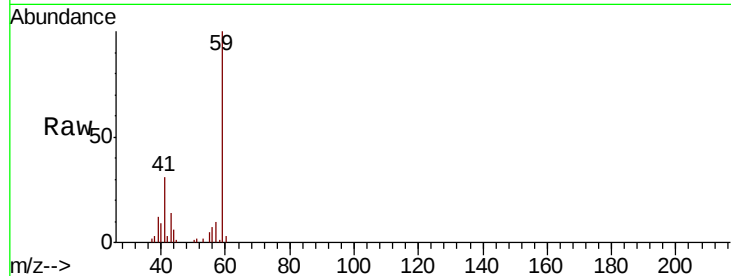
Tert butyl alcohol
 Concen: 90.030 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

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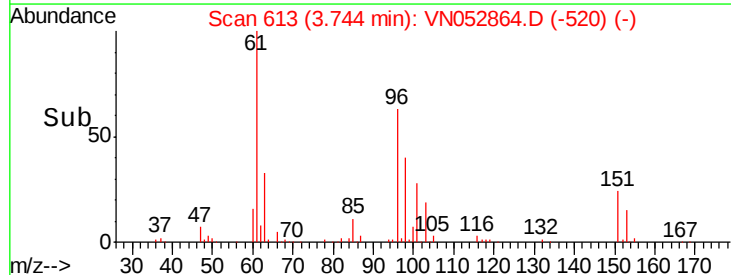
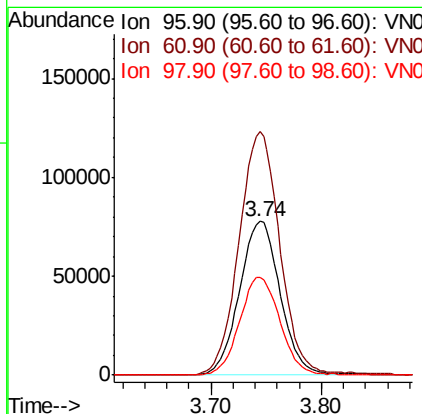
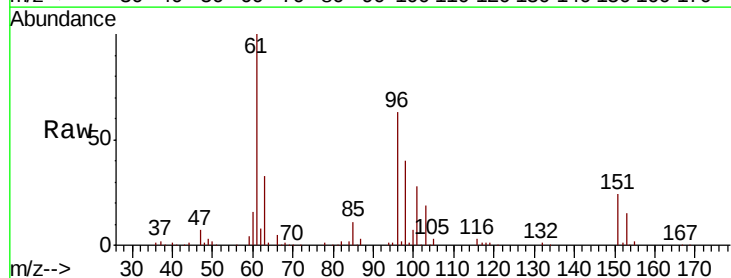
MMDadoda
 12/14/2018 9:03:06 AM

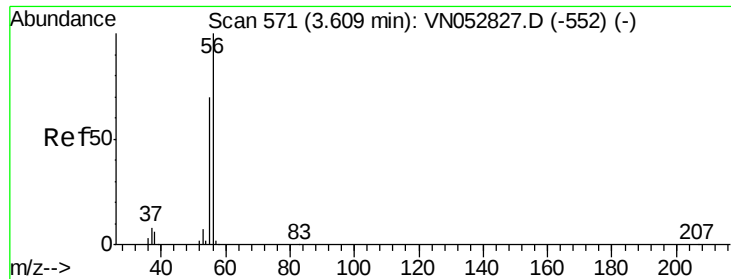


#12

1,1-Dichloroethene
 Concen: 20.040 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	125.6	188.4
98	63.5	50.6	75.8





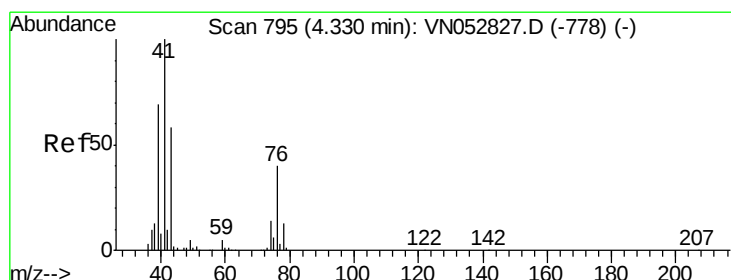
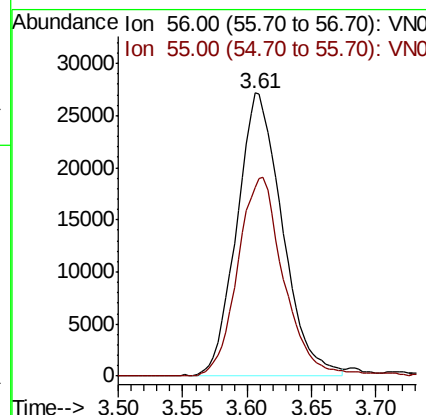
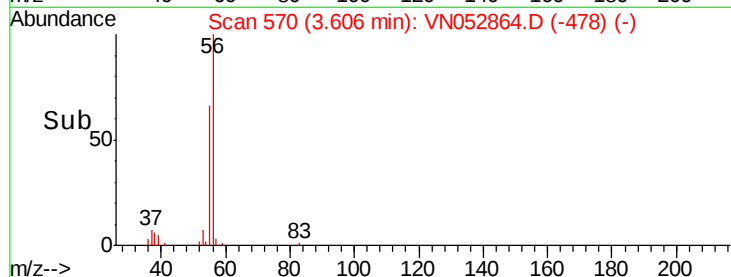
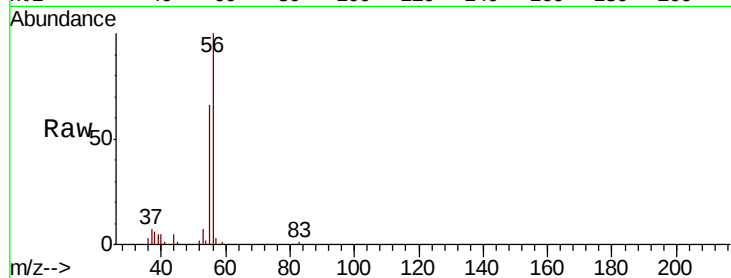
#13
Acrolein
Concen: 110.486 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.6	85.0

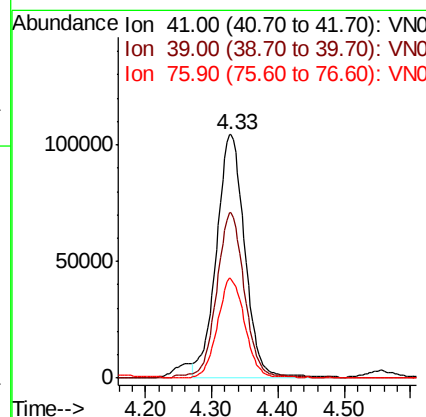
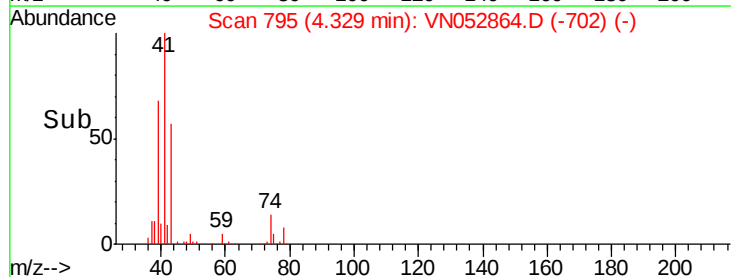
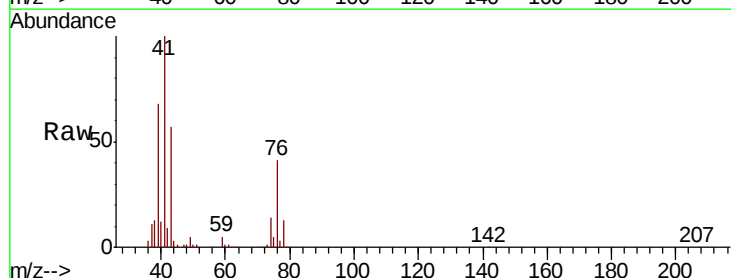
Manual Integrations
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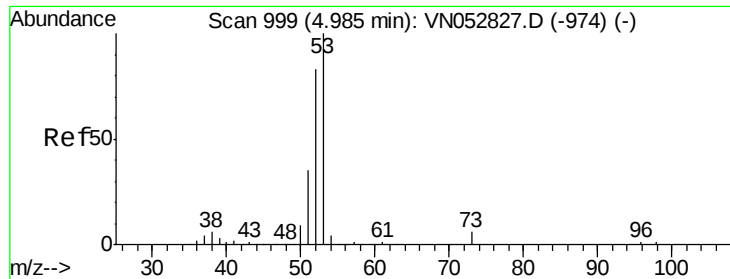
MMDadoda
12/14/2018 9:03:06 AM



#14
Allyl chloride
Concen: 19.111 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.8	54.1	81.1
76	38.8	30.3	45.5





#15

Acrylonitrile

Concen: 100.698 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

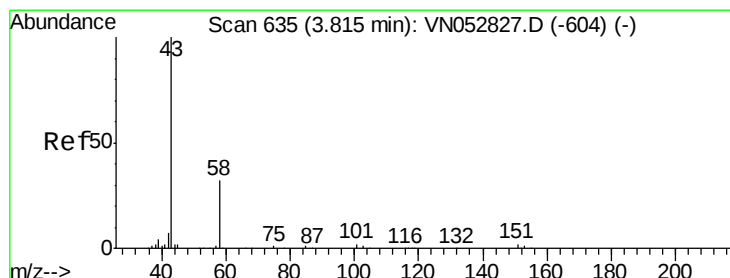
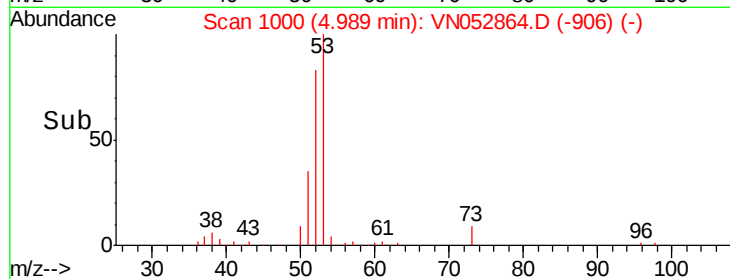
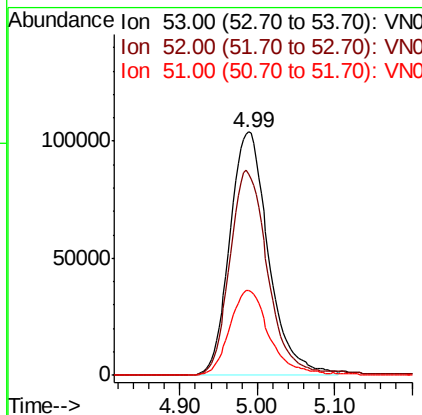
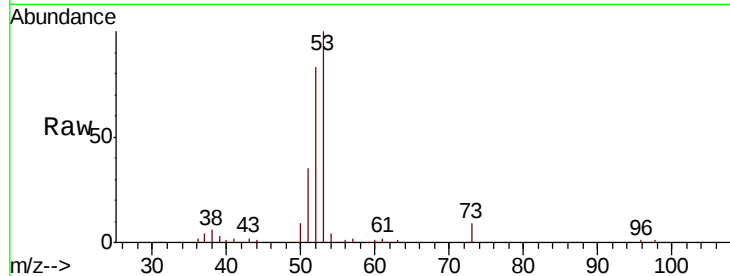
ClientSampleId :

VN1213WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.1	97.7
51	35.6	28.1	42.1

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#16

Acetone

Concen: 89.776 ug/l

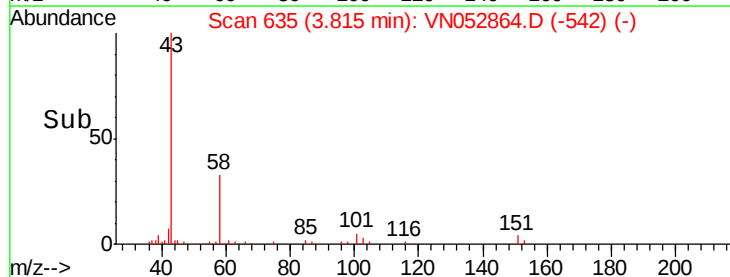
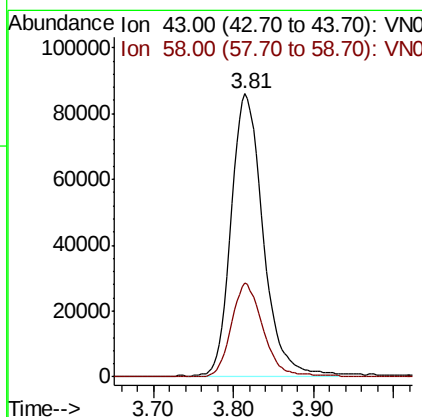
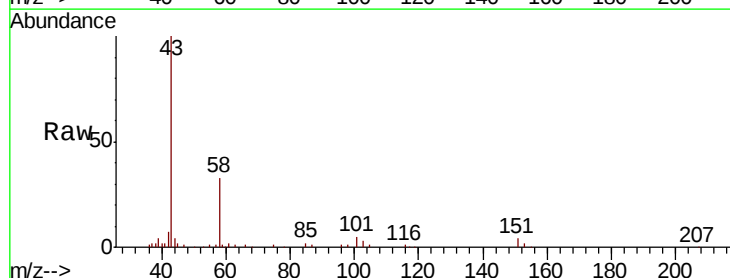
RT: 3.81 min Scan# 635

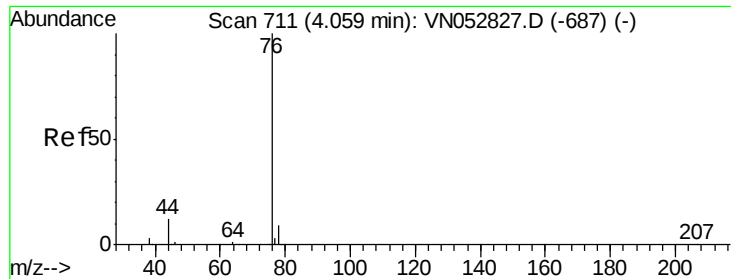
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.4	38.0





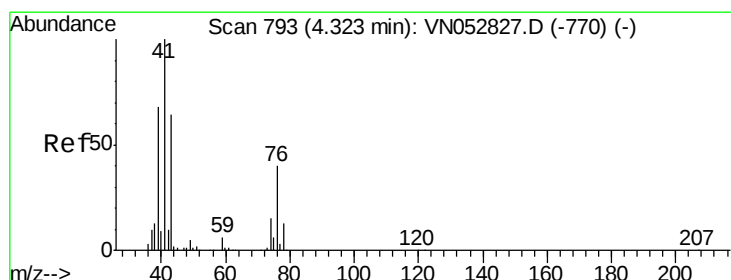
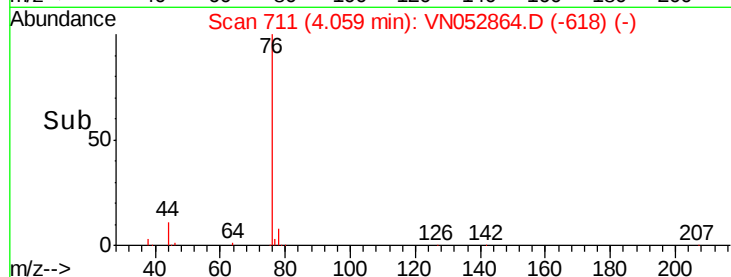
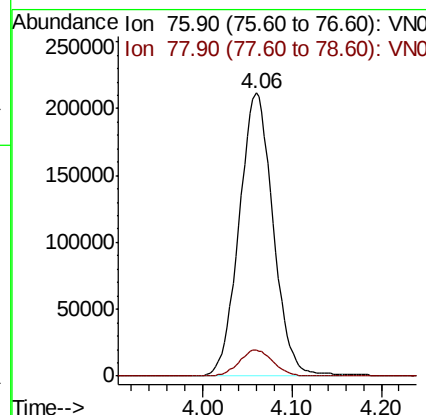
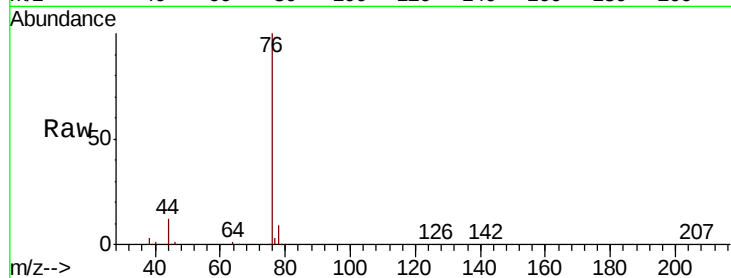
#17
Carbon Disulfide
Concen: 18.380 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

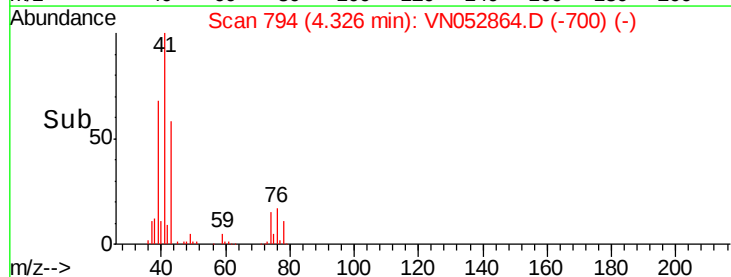
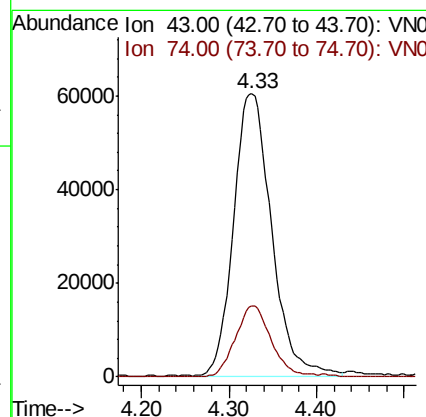
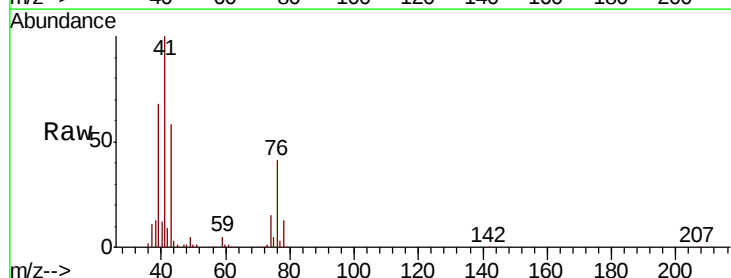
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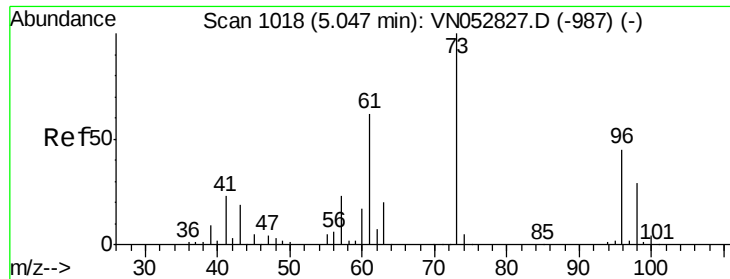
MMDadoda
12/14/2018 9:03:06 AM



#18
Methyl Acetate
Concen: 19.192 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8





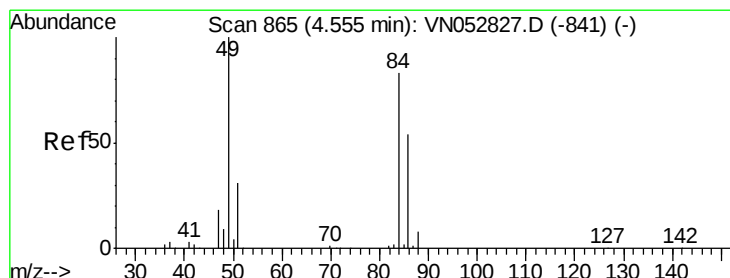
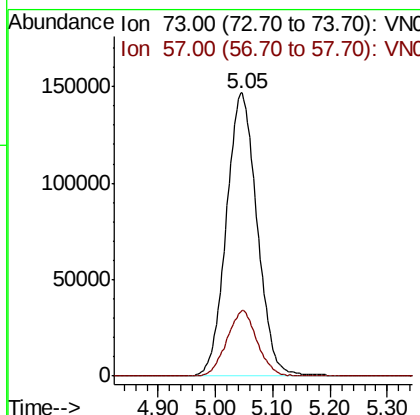
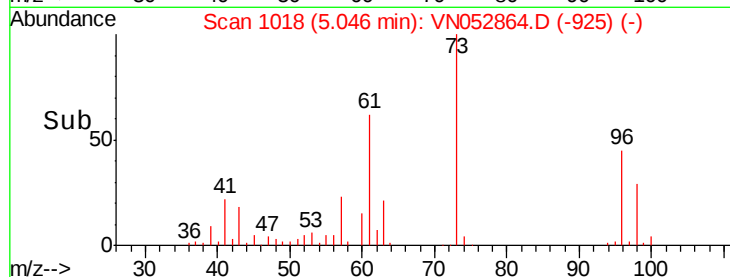
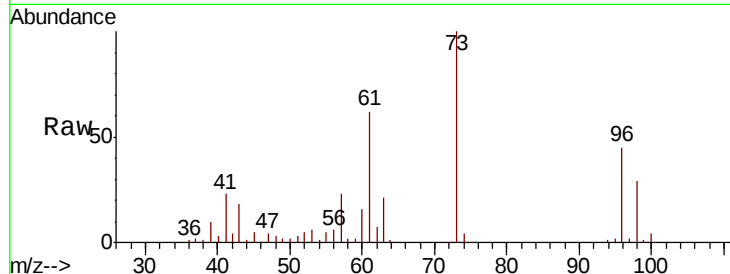
#19
Methvl tert-butvl Ether
Concen: 20.361 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion: 73 Resp: 548144
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6

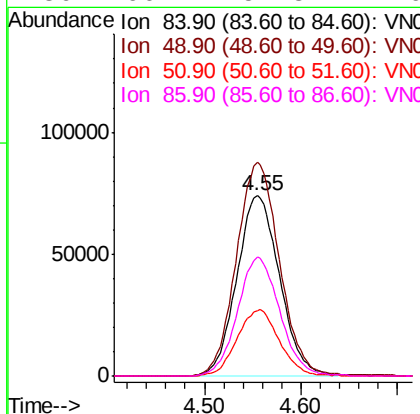
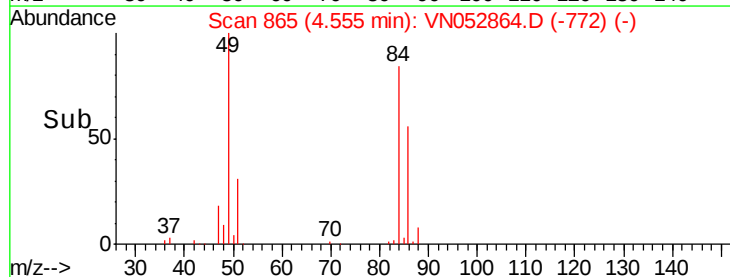
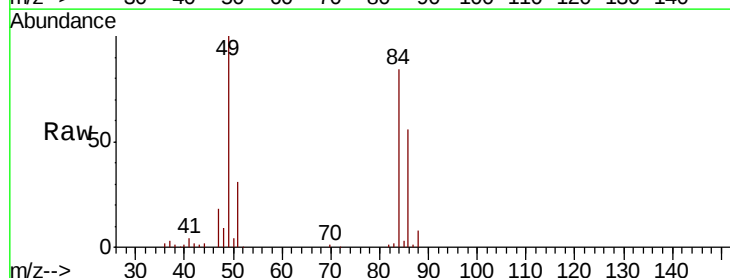
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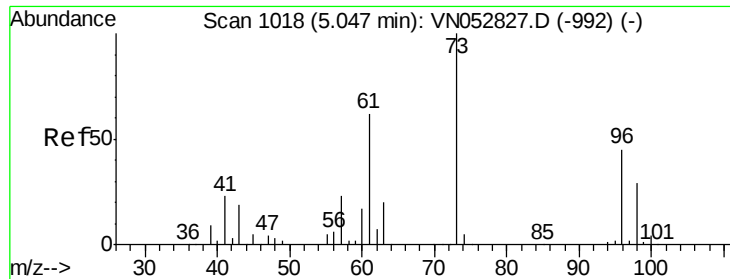
MMDadoda
12/14/2018 9:03:06 AM



#20
Methylene Chloride
Concen: 19.604 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 84 Resp: 227245
Ion Ratio Lower Upper
84 100
49 118.7 96.8 145.2
51 36.6 29.9 44.9
86 66.1 51.8 77.6





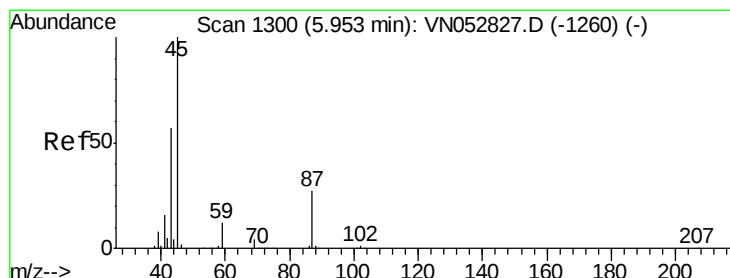
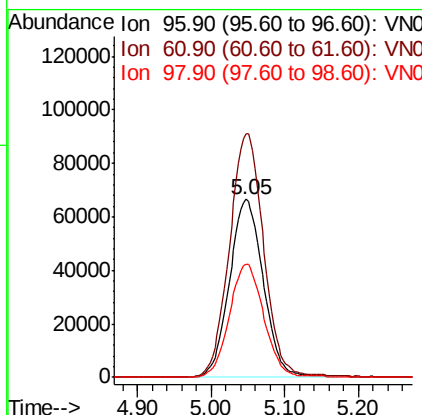
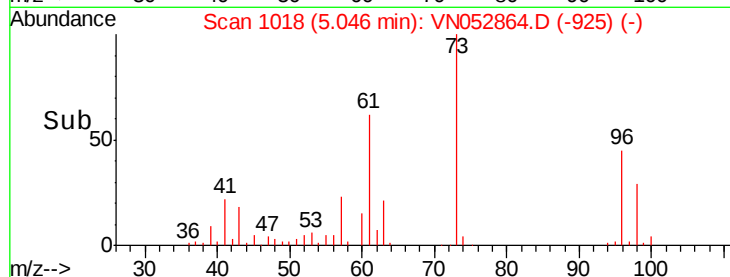
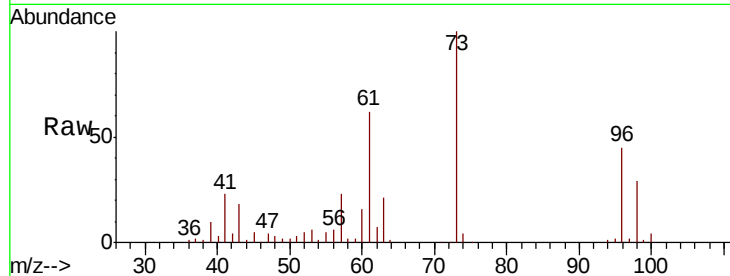
#21
trans-1,2-Dichloroethene
Concen: 19.805 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	110.8	166.2
98	63.7	51.4	77.2

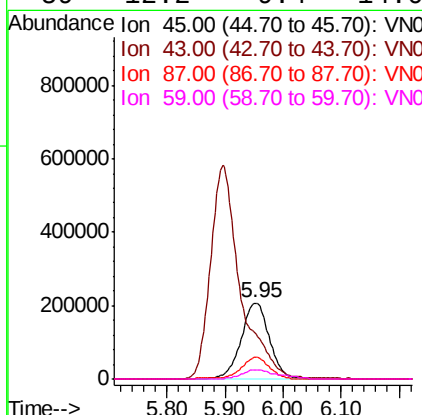
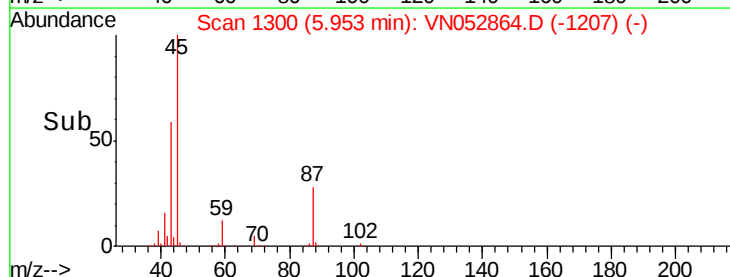
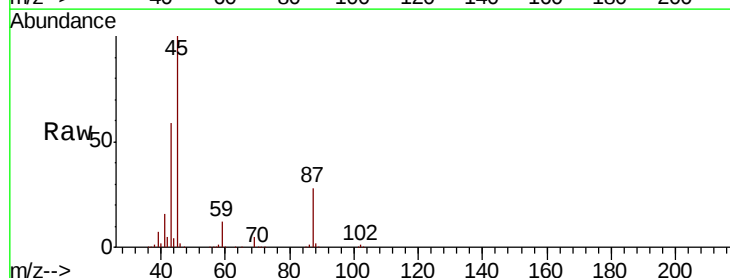
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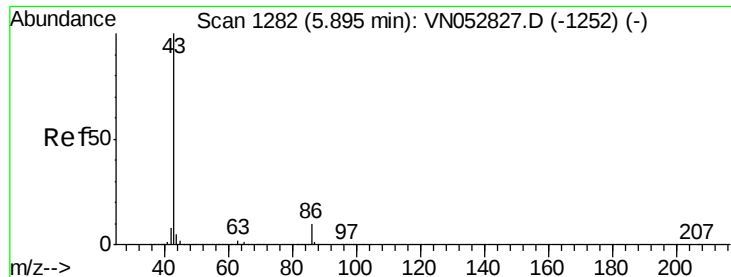
MMDadoda
12/14/2018 9:03:06 AM



#22
Diisopropyl ether
Concen: 20.388 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	45.5	68.3
87	28.4	22.0	33.0
59	12.2	9.4	14.0





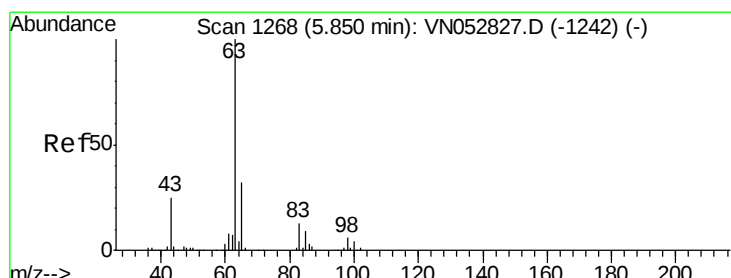
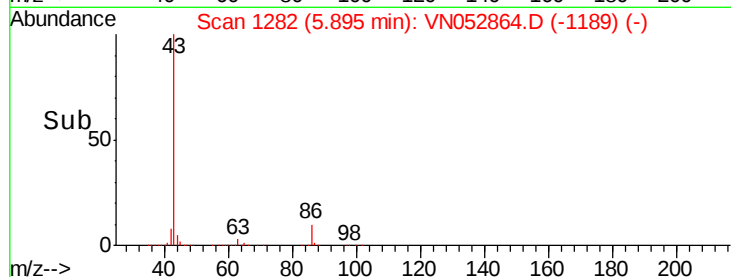
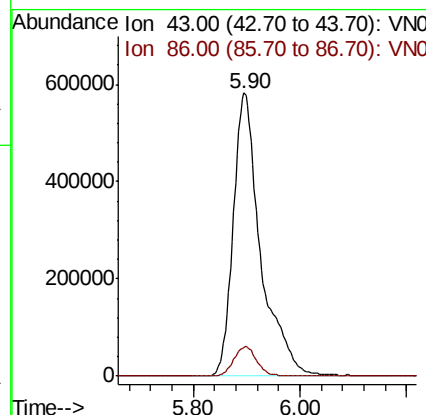
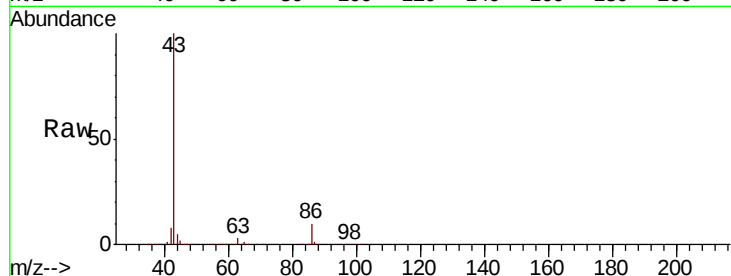
#23
 Vinyl Acetate
 Concen: 100.894 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion: 43 Resp: 2074522
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.1 12.1

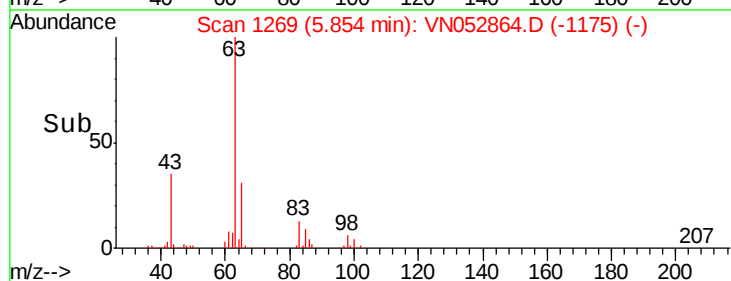
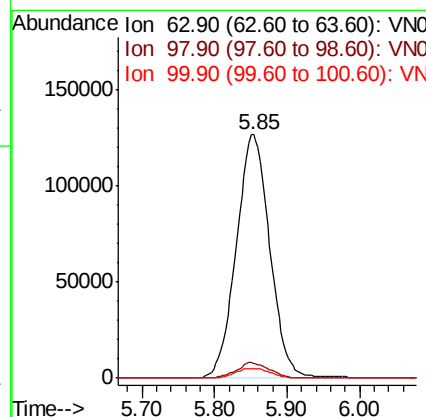
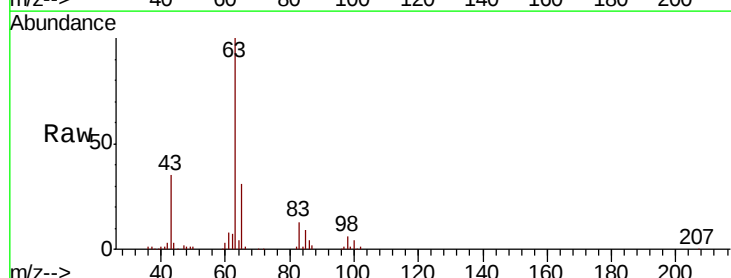
Manual Integrations
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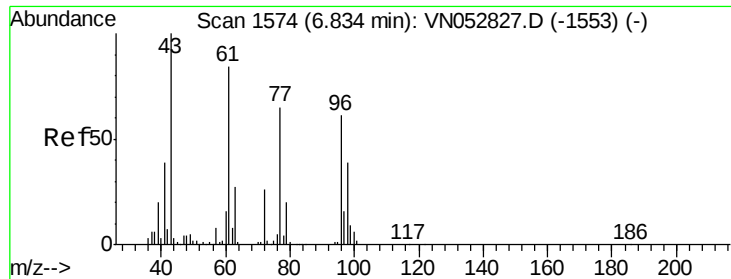
MMDadoda
 12/14/2018 9:03:06 AM



#24
 1,1-Dichloroethane
 Concen: 20.482 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 63 Resp: 408150
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.4
 100 3.8 2.0 5.8





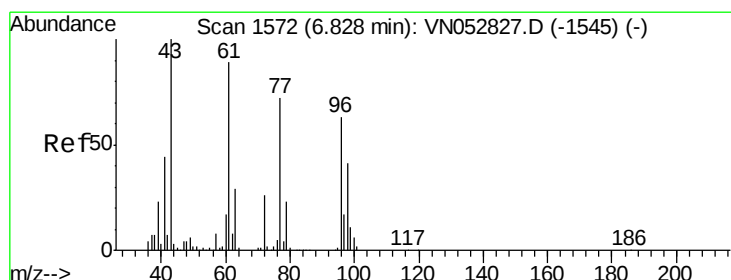
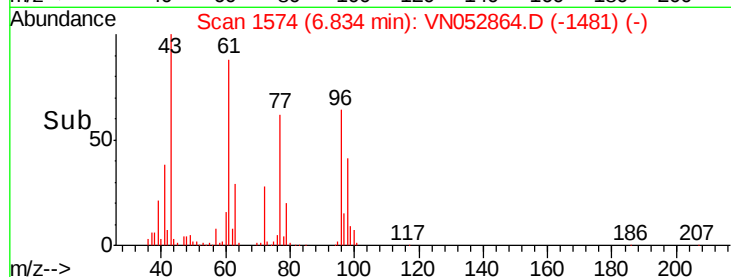
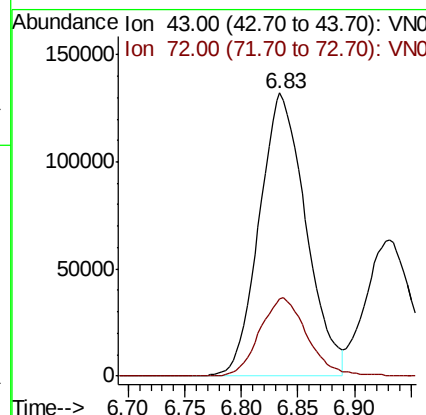
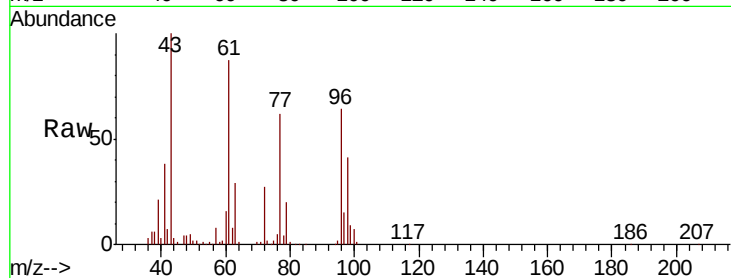
#25
2-Butanone
Concen: 94.125 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.0	31.6

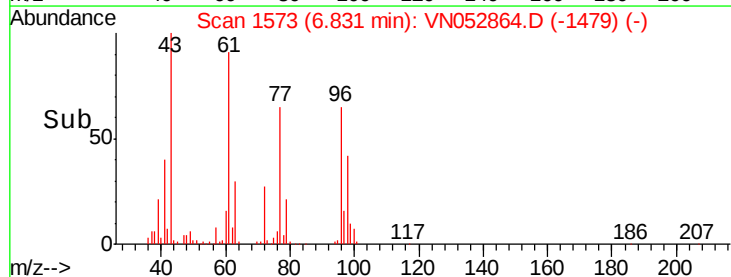
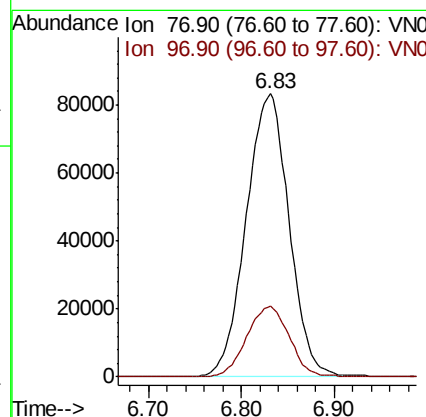
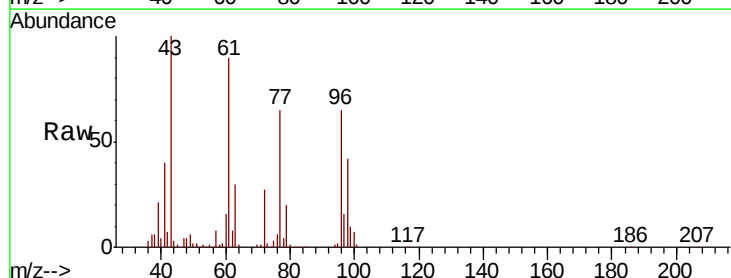
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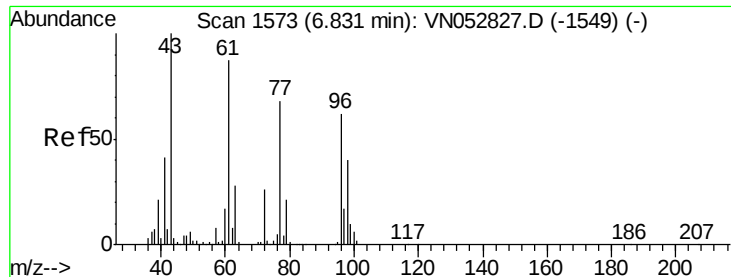
MMDadoda
12/14/2018 9:03:06 AM



#26
2,2-Dichloropropane
Concen: 18.249 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.8	11.9	35.9





#27

cis-1,2-Dichloroethene

Concen: 20.247 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

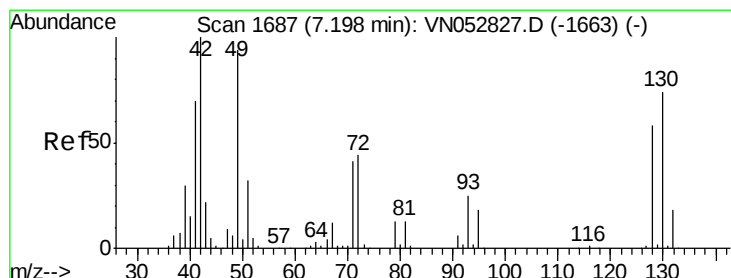
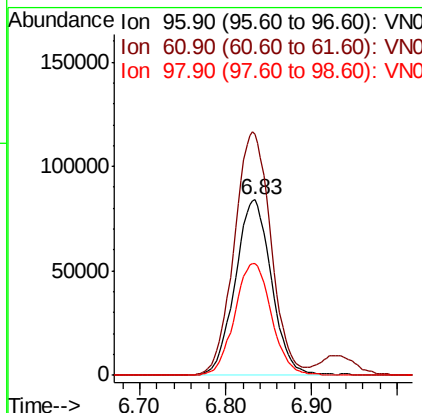
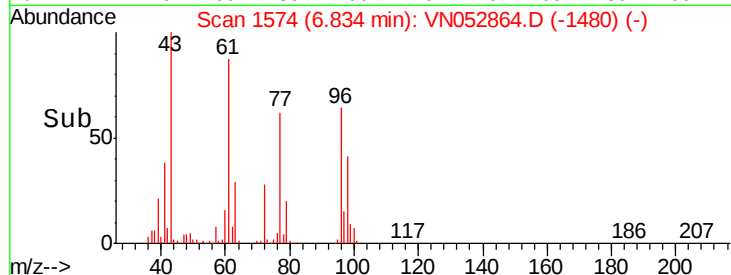
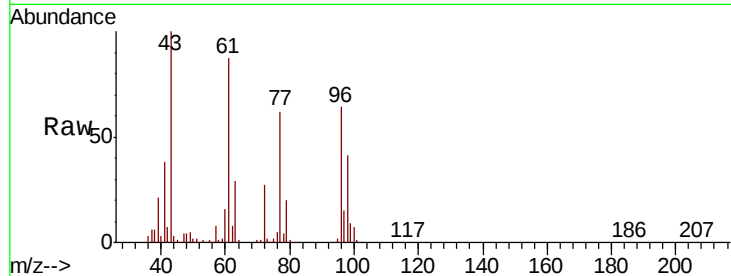
ClientSampleId :

VN1213WBS01

Tot Ion:	96	Resp:	246888
Ion Ratio	Lower	Upper	
96	100		
61	139.7	0.0	284.2
98	64.6	0.0	129.2

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#28

Bromochloromethane

Concen: 20.449 ug/l

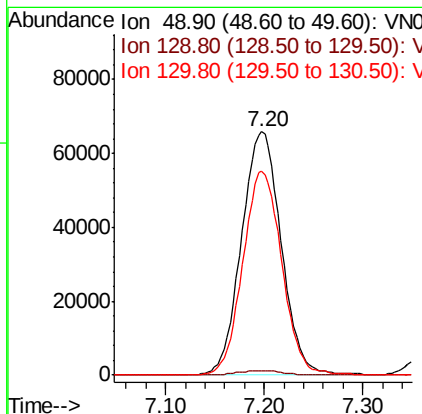
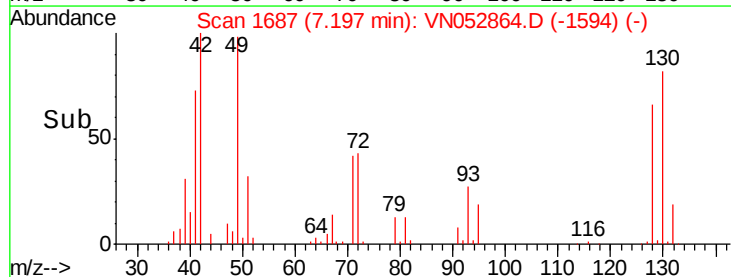
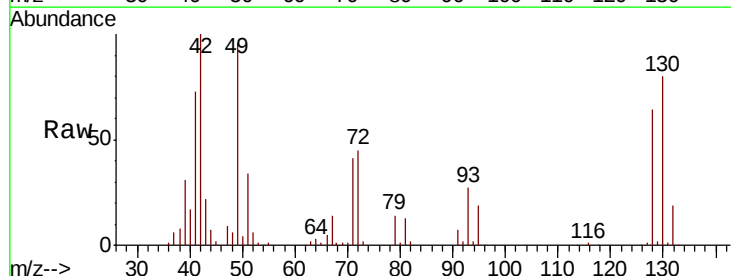
RT: 7.20 min Scan# 1687

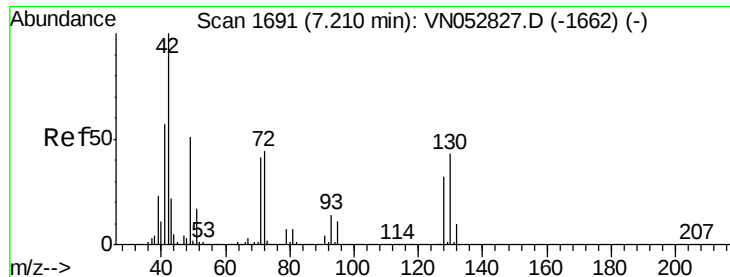
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	49	Resp:	182975
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	82.5	63.3	94.9





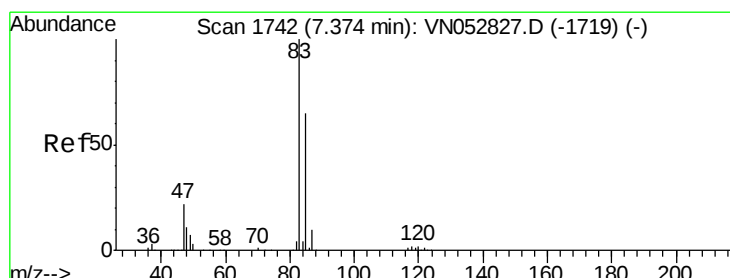
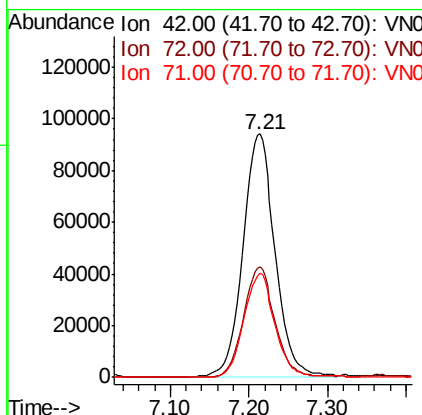
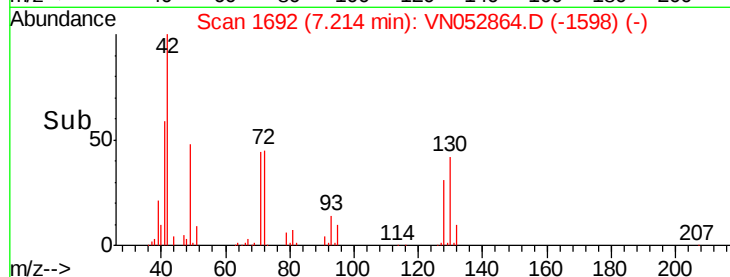
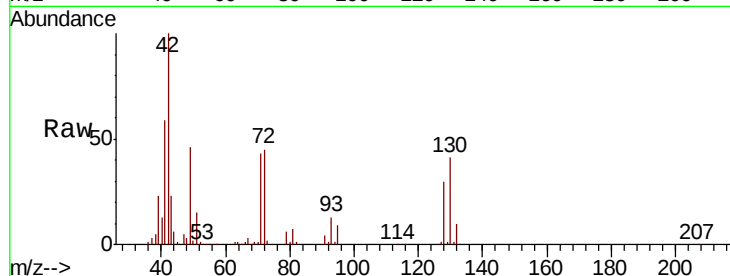
#29
Tetrahydrofuran
Concen: 98.524 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.7	52.1
71	41.5	32.3	48.5

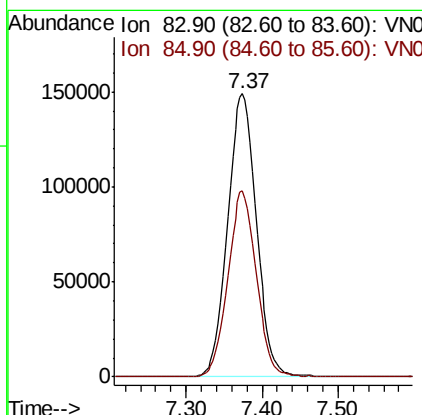
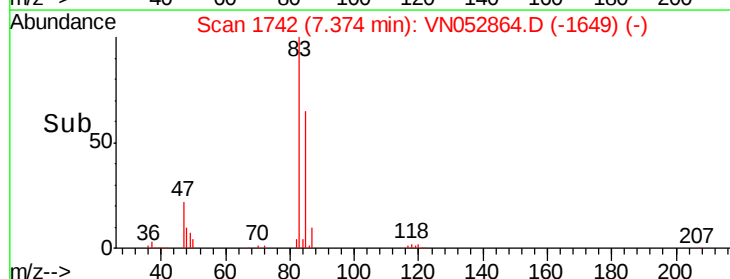
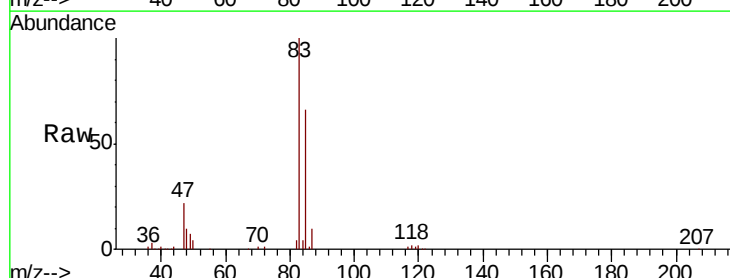
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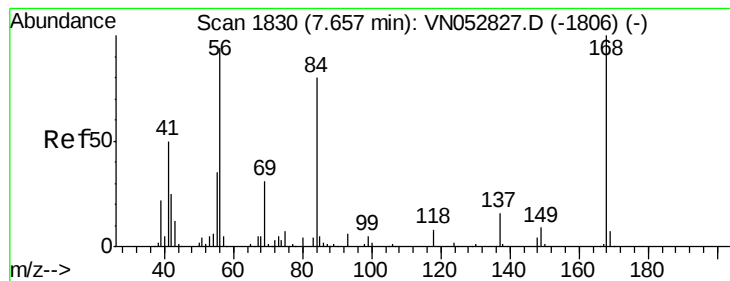
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#30
Chloroform
Concen: 20.189 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.1	78.1





#31

Cyclohexane

Concen: 19.569 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion: 56 Resp: 387180

Ion Ratio Lower Upper

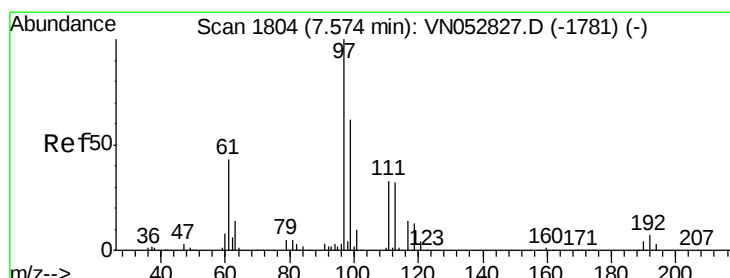
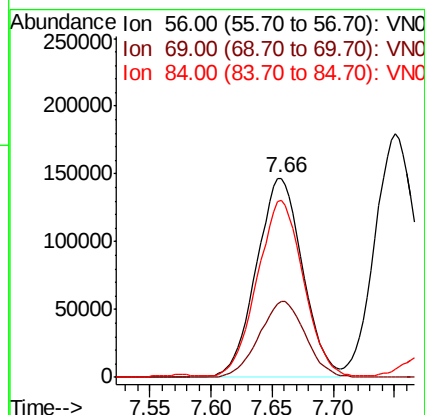
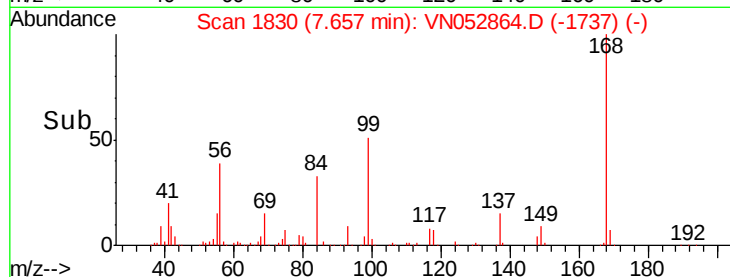
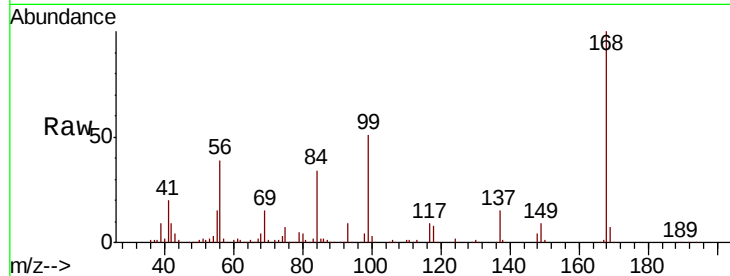
56 100

69 38.1 26.6 39.8

84 88.0 68.4 102.6

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#32

1,1,1-Trichloroethane

Concen: 19.618 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

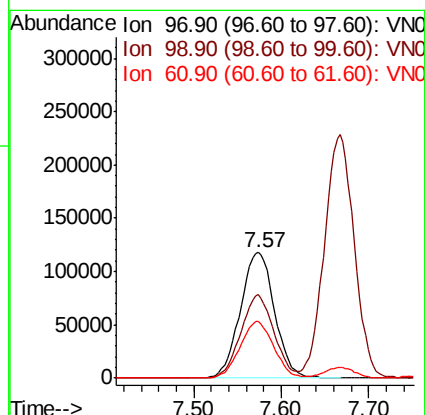
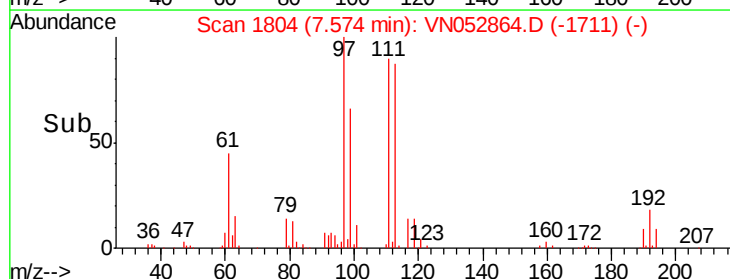
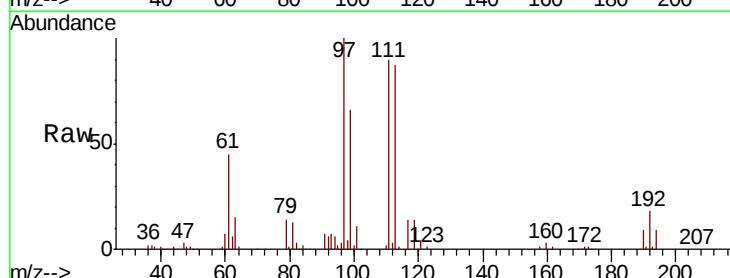
Tgt Ion: 97 Resp: 318951

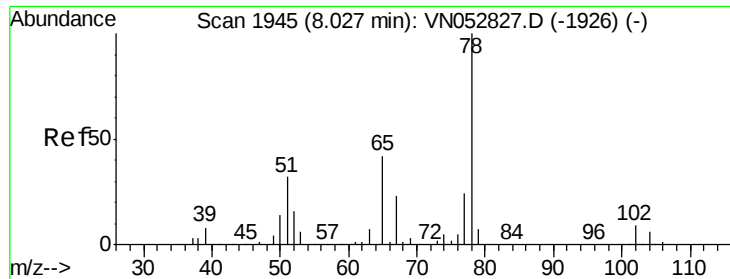
Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 44.9 35.0 52.6





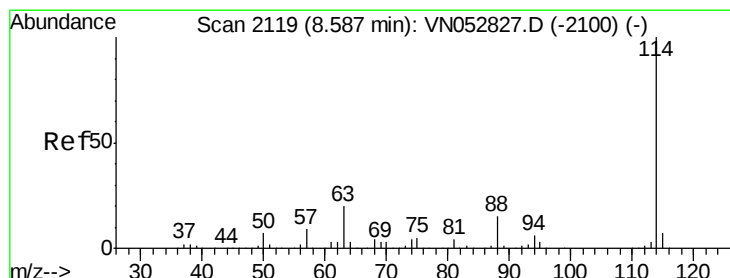
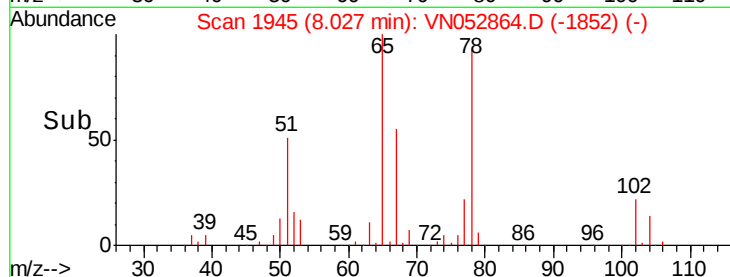
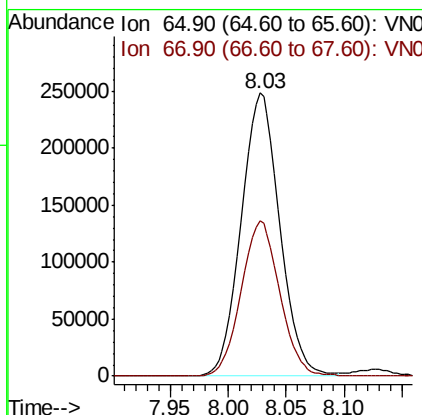
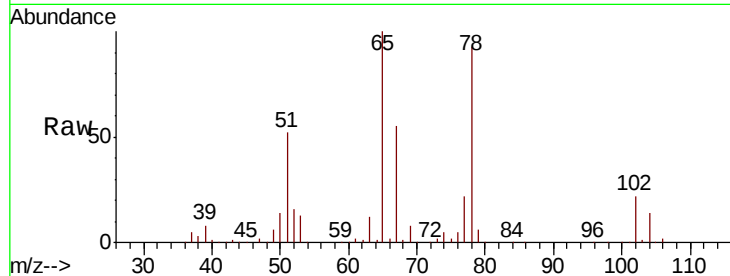
#33
 1,2-Dichloroethane-d4
 Concen: 19.618 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion: 65 Resp: 574546
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4

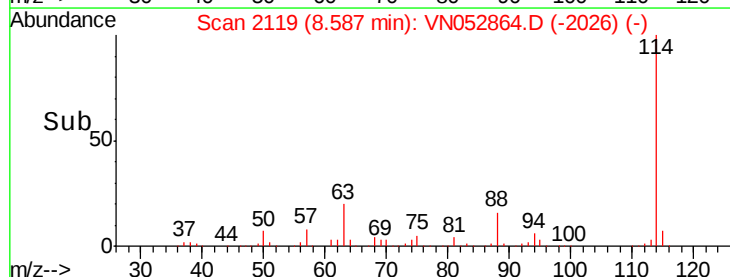
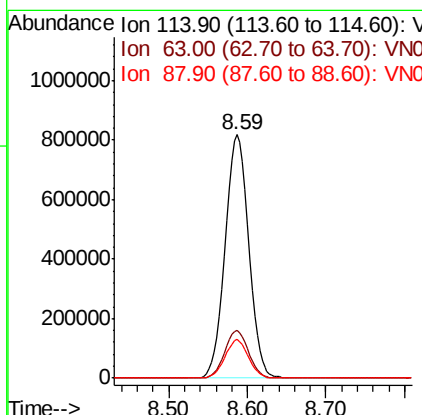
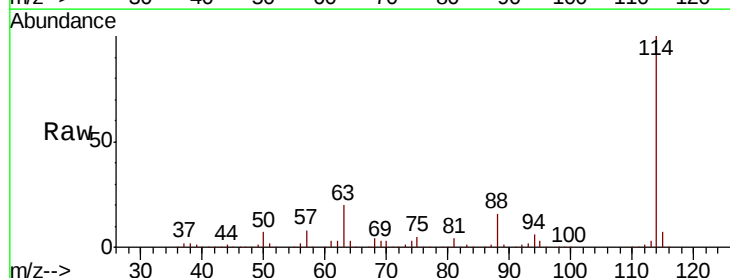
Manual Integrations
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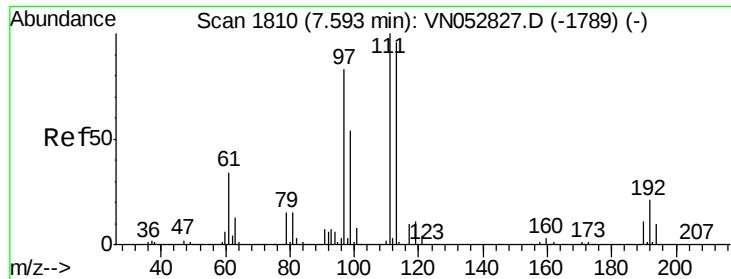
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 114 Resp: 1688225
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.7 0.0 31.0





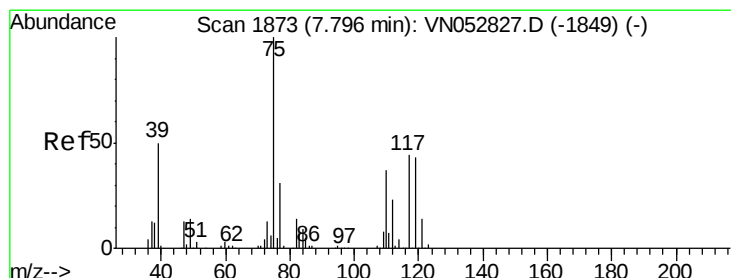
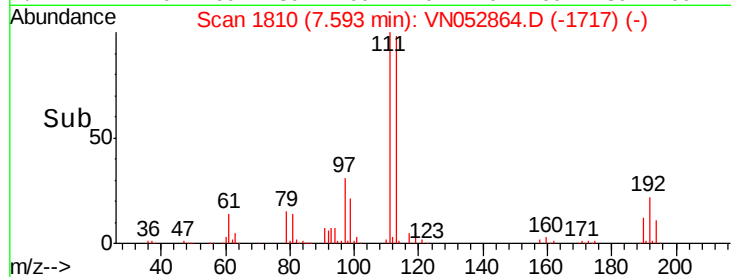
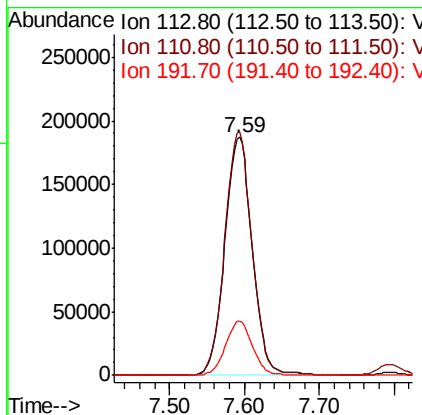
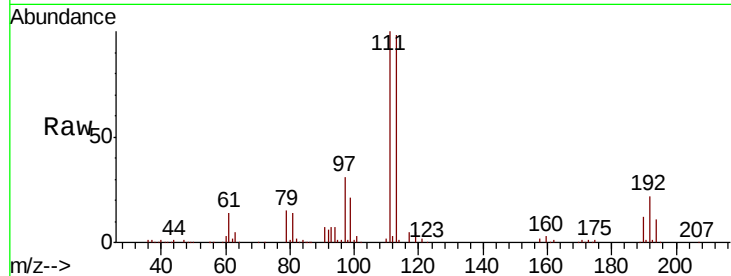
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	475718		
111	101.5	83.0	124.4	
192	22.4	17.5	26.3	

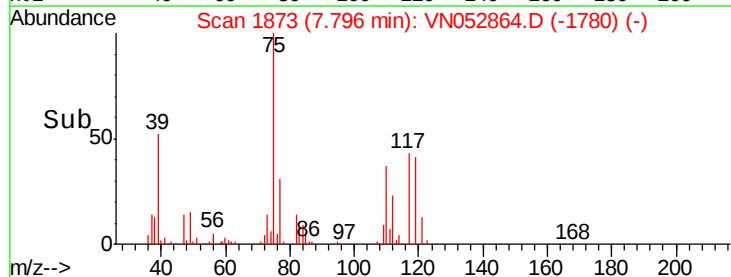
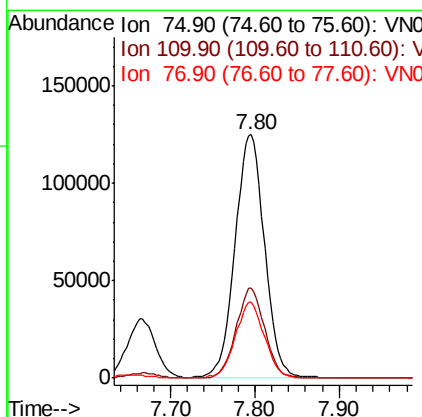
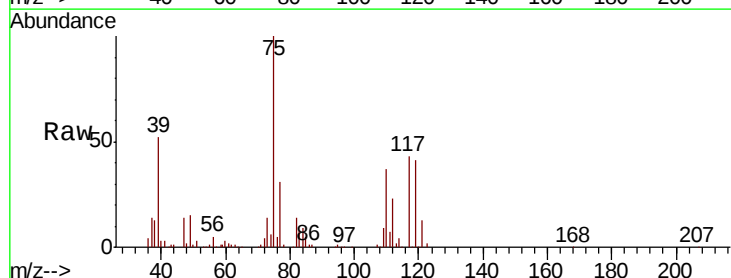
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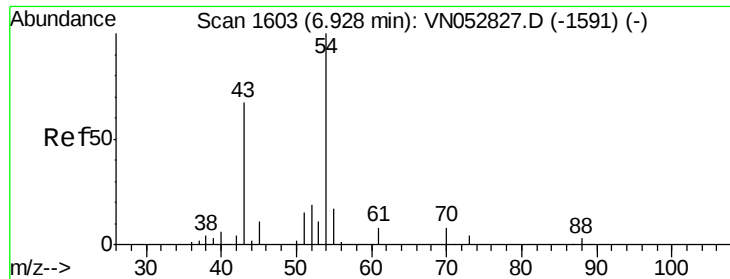
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#36
 1,1-Dichloropropene
 Concen: 19.547 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	303889		
110	36.0	18.2	54.6	
77	31.0	24.9	37.3	





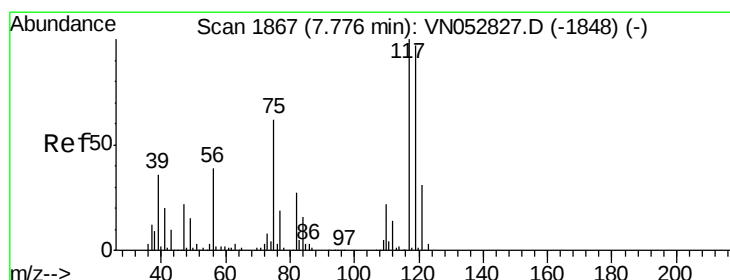
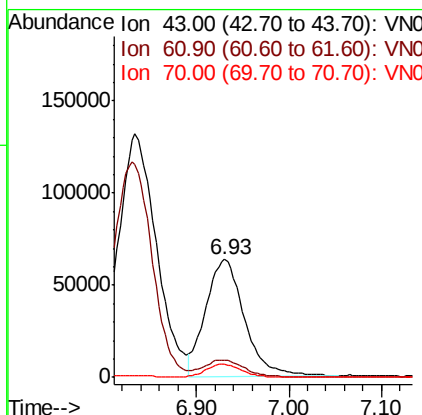
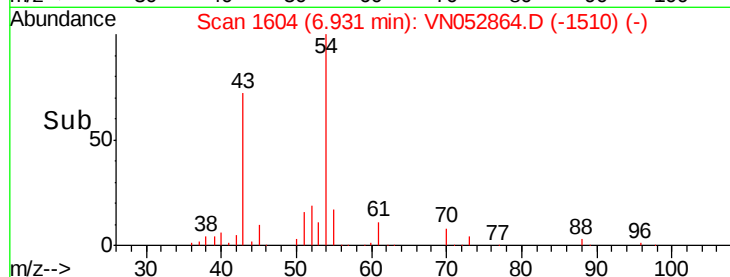
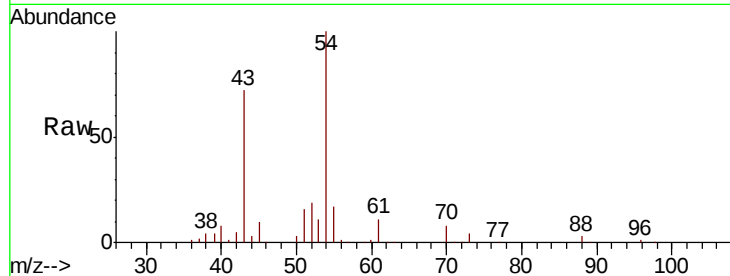
#37
Ethyl Acetate
Concen: 19.627 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	10.8	8.4	12.6

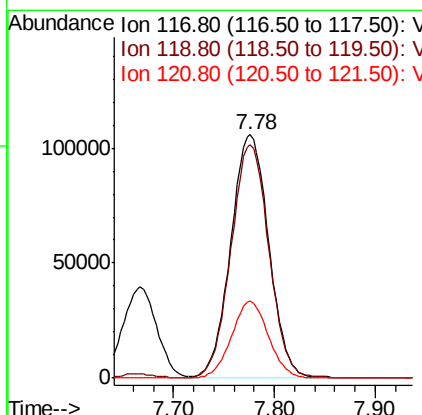
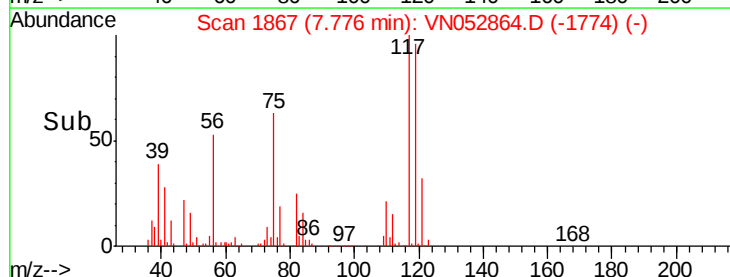
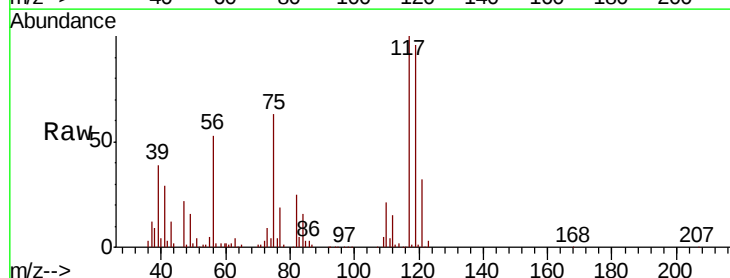
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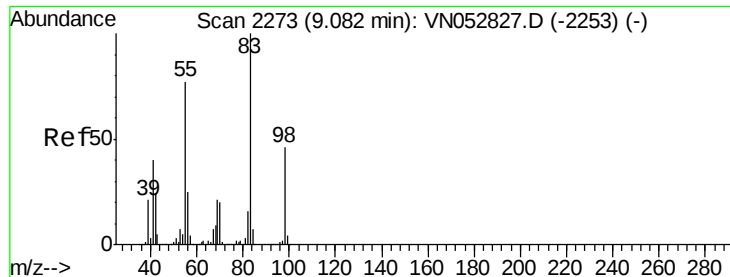
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#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.1	115.7
121	31.7	24.9	37.3





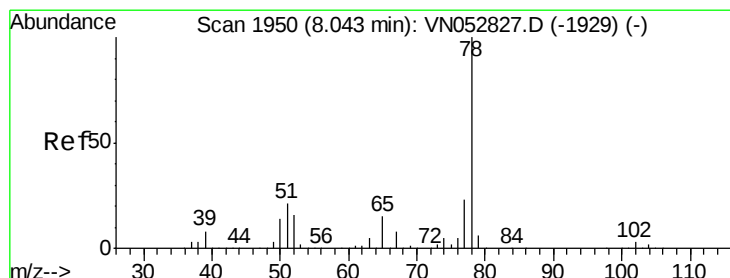
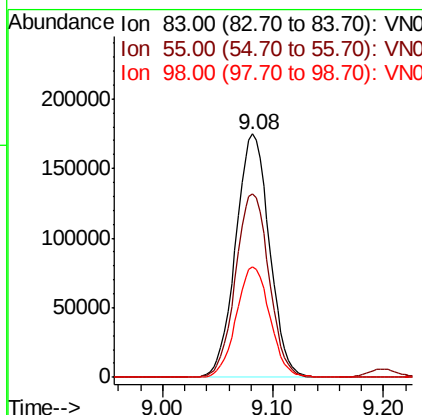
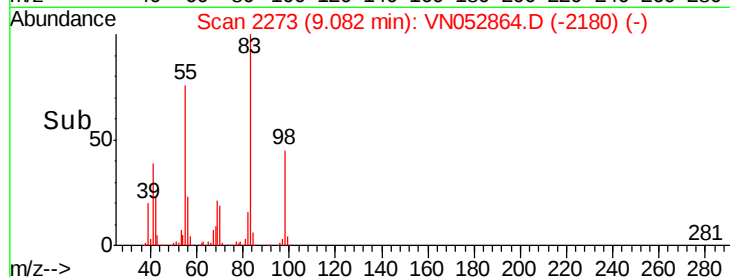
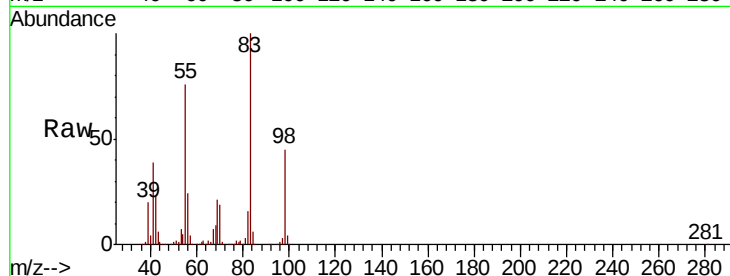
#39
Methvlcvclohexane
Concen: 19.373 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.3	91.9
98	45.3	37.0	55.4

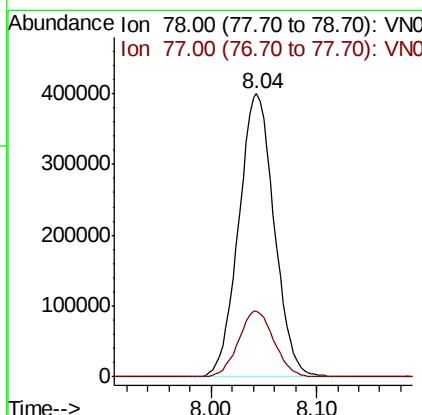
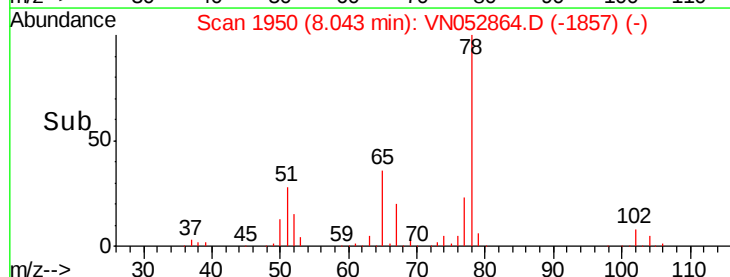
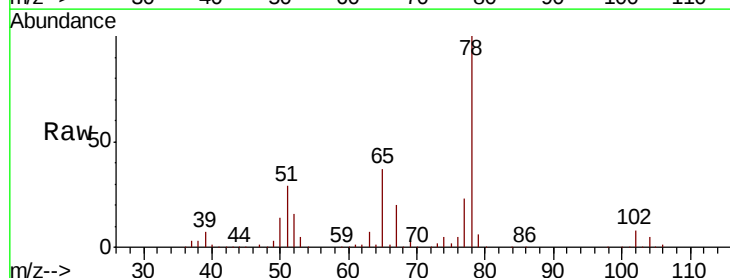
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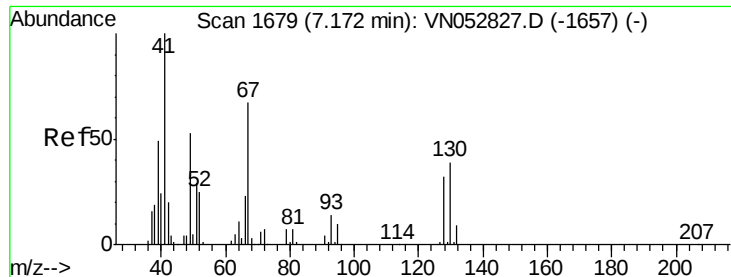
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#40
Benzene
Concen: 20.037 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





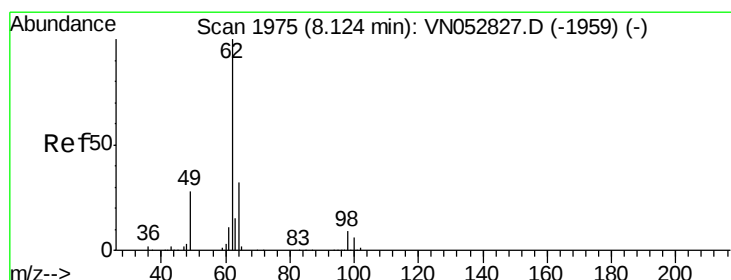
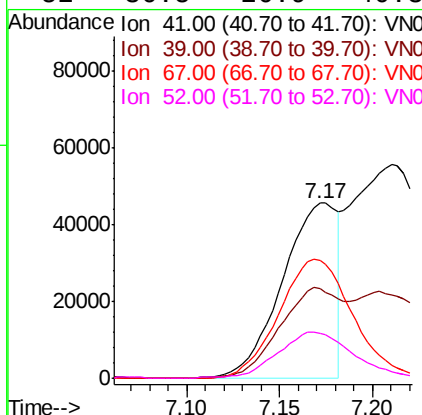
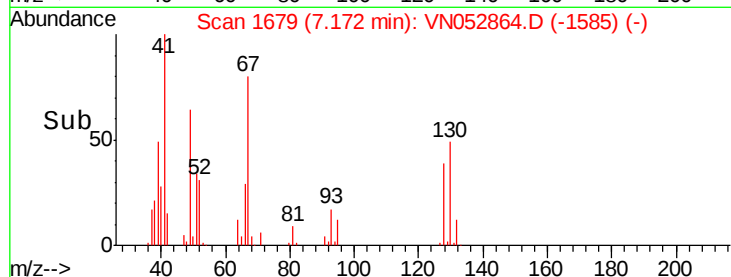
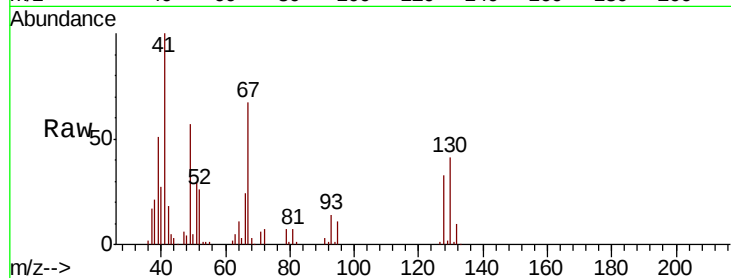
#41
Methacrylonitrile
Concen: 18.156 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	41	Resp	93950
Ion Ratio	Lower	Upper	
41	100		
39	60.8	48.0	72.0
67	92.0	70.3	105.5
52	36.5	26.9	40.3

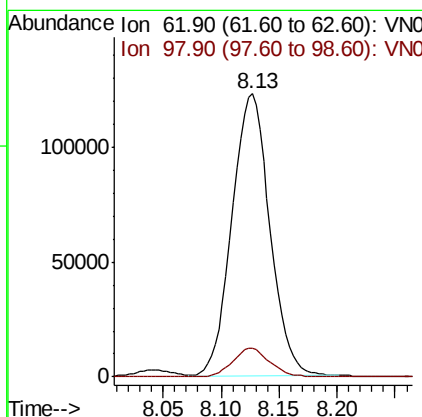
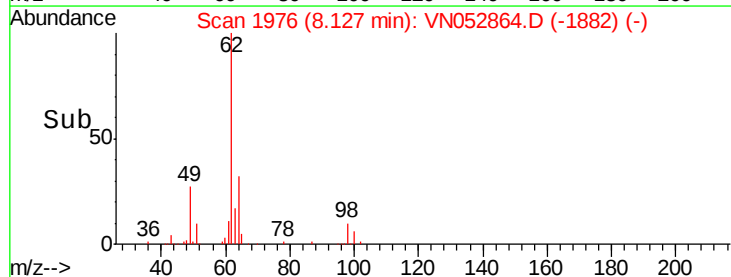
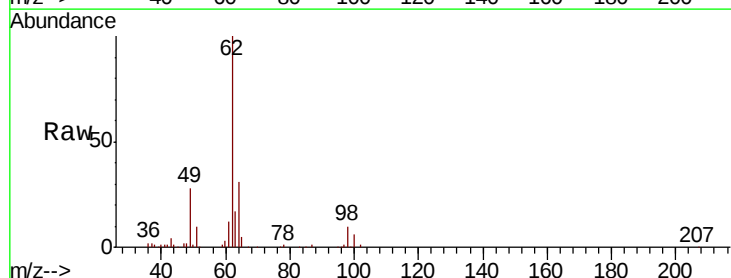
Manual Integrations
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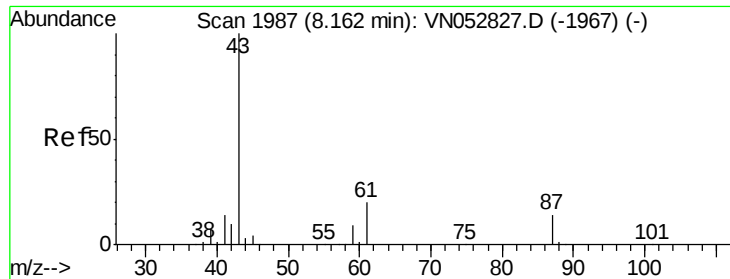
MMDadoda
12/14/2018 9:03:06 AM



#42
1,2-Dichloroethane
Concen: 19.817 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	62	Resp	278376
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	19.0





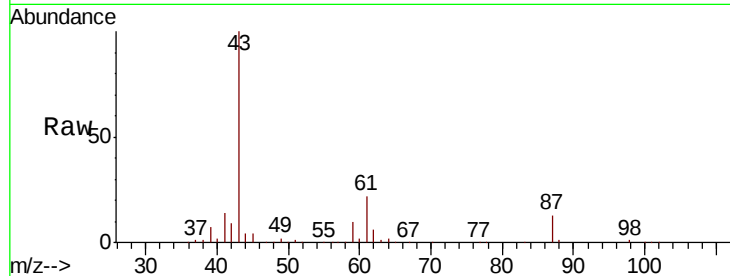
#43
Isopropyl Acetate
Concen: 17.861 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

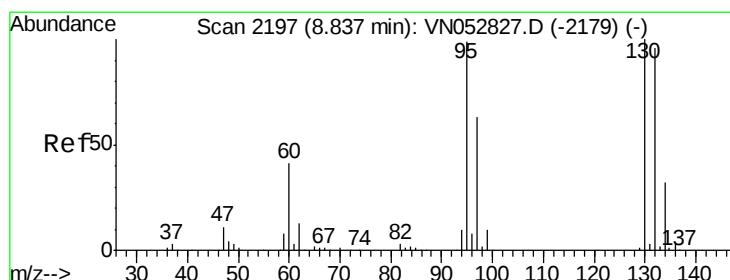
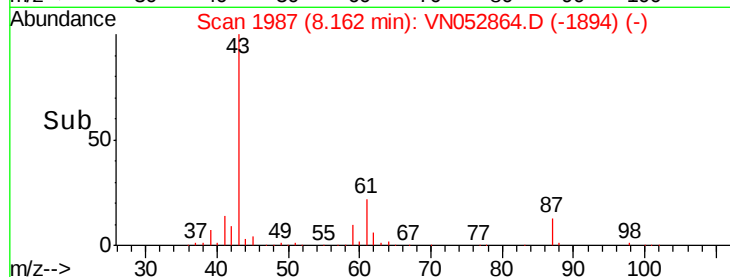
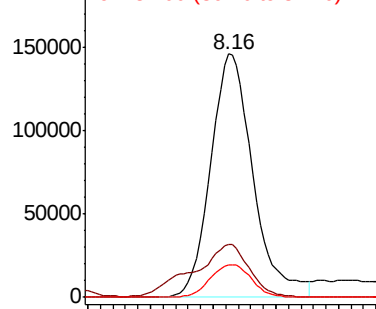
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.9	34.3
87	13.2	10.6	15.8

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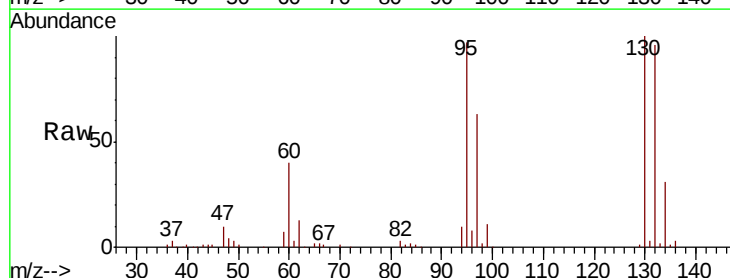


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

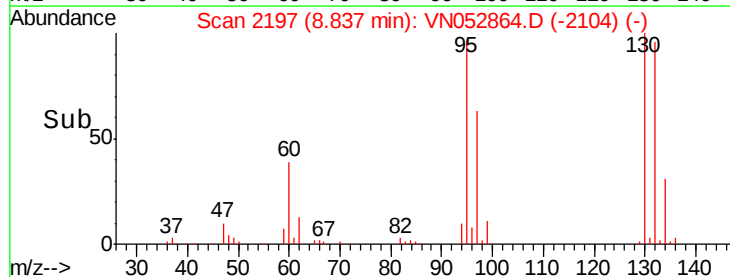
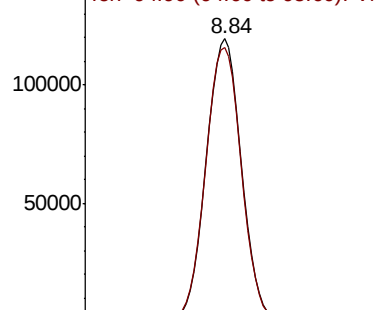


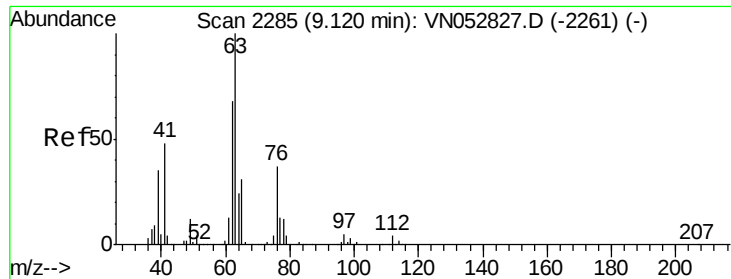
#44
Trichloroethene
Concen: 19.661 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)





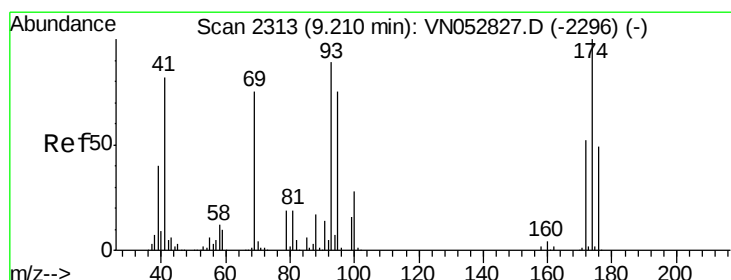
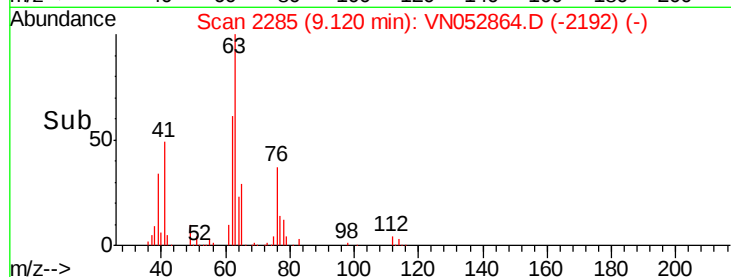
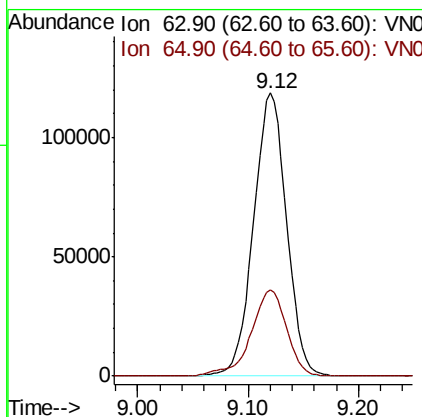
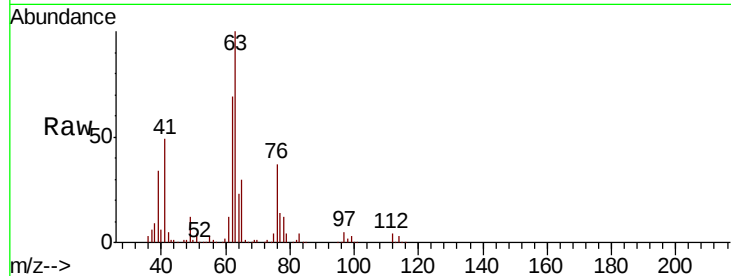
#45
 1,2-Dichloropropane
 Concen: 20.135 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	37.0

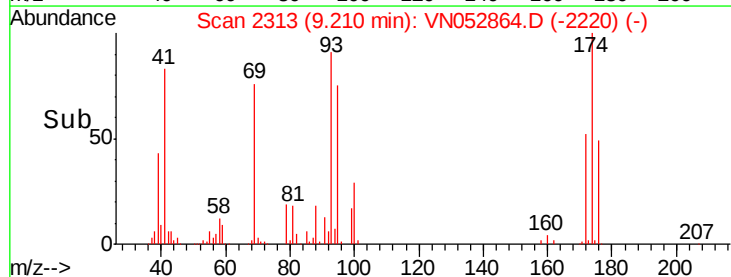
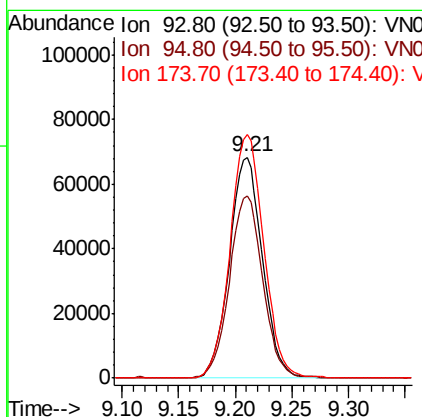
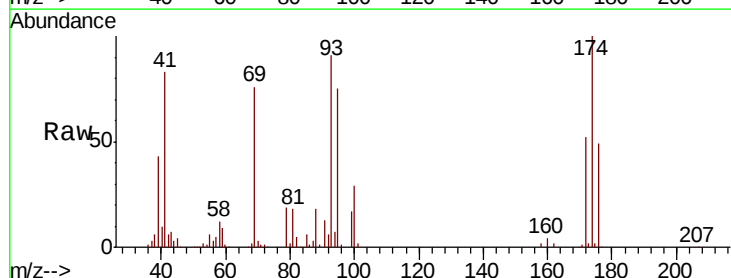
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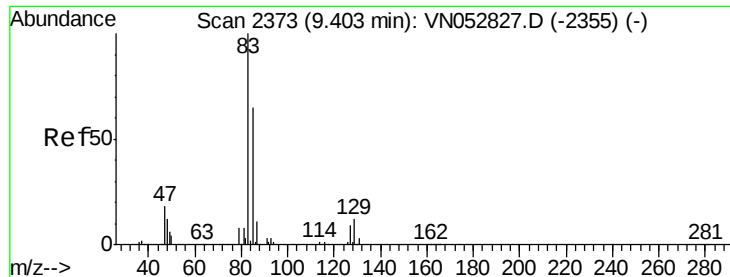
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#46
 Dibromomethane
 Concen: 19.589 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.8	101.6
174	112.7	89.0	133.4





#47

Bromodichloromethane

Concen: 19.413 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

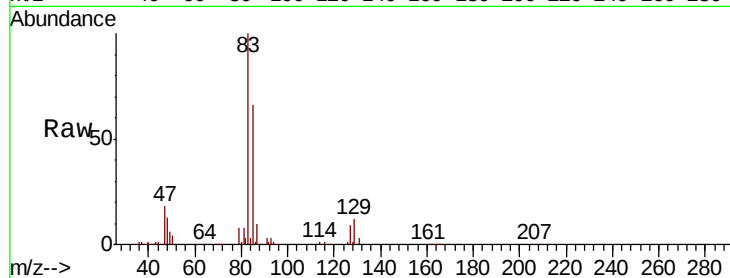
ClientSampleId :

VN1213WBS01

Tot Ion:	83	Resp:	285334
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.6	77.4
127	8.8	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052827.D (-2355) (-)

9.40

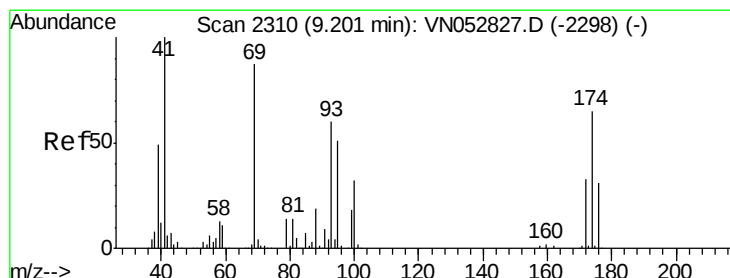
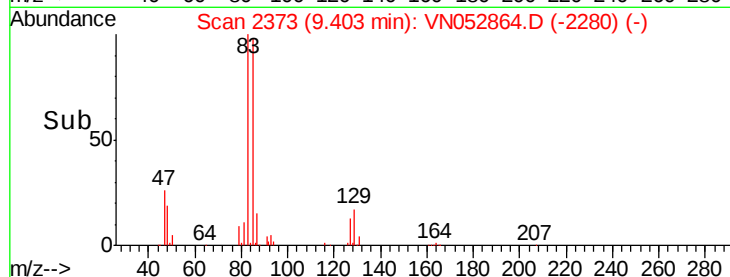
150000

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 19.675 ug/l

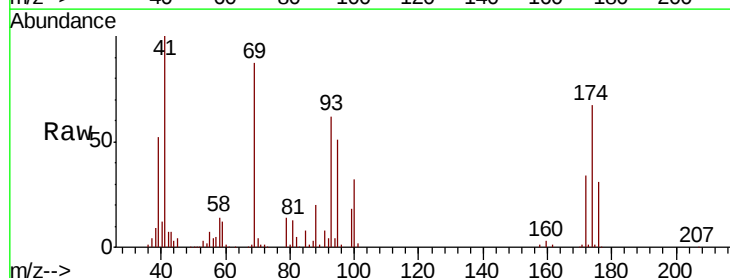
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	41	Resp:	165216
Ion Ratio	Lower	Upper	
41	100		
69	91.6	72.2	108.2
39	53.6	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2298) (-)

9.20

120000

100000

80000

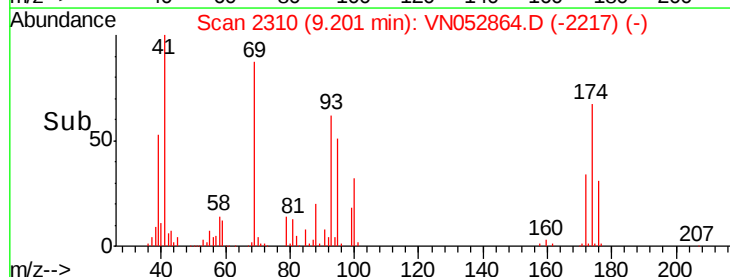
60000

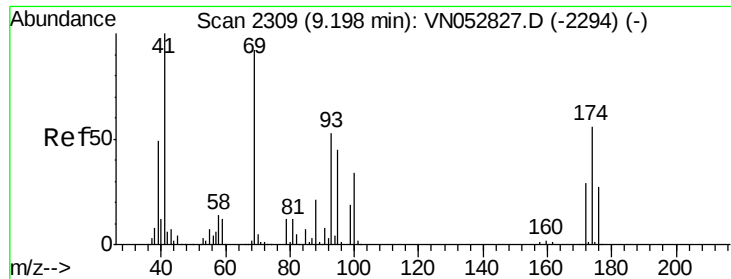
40000

20000

0

Time-->





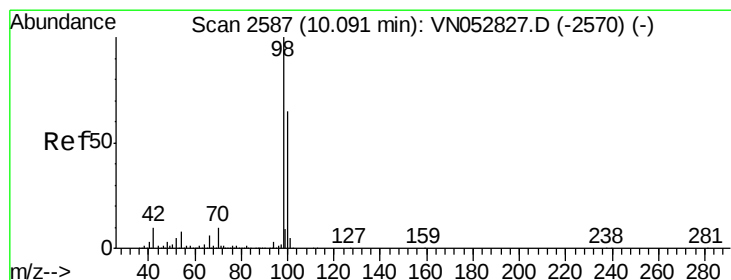
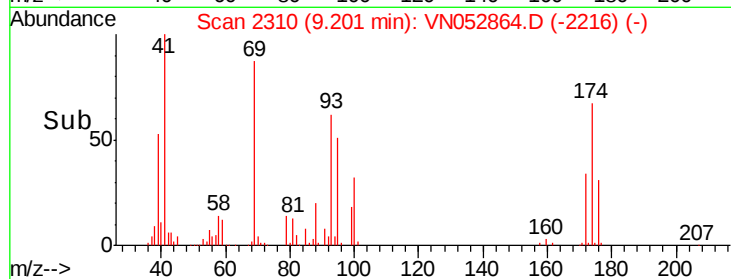
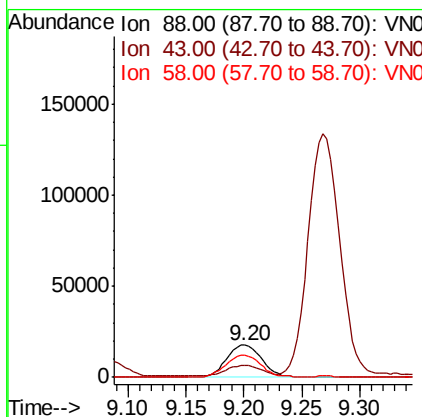
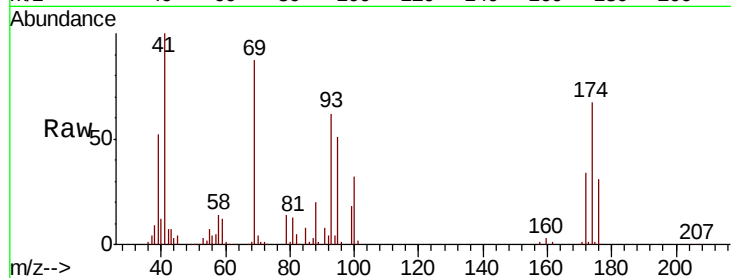
#49
1,4-Dioxane
Concen: 395.297 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.6	40.0
58	69.0	58.4	87.6

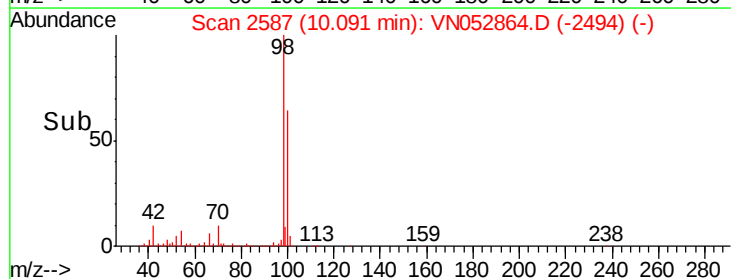
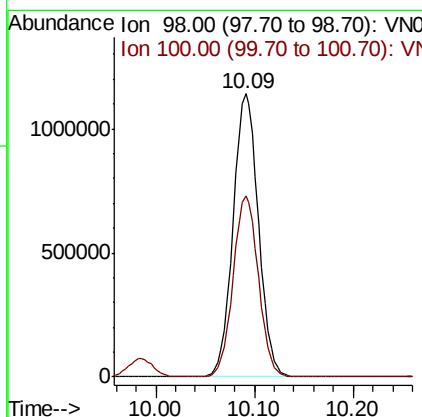
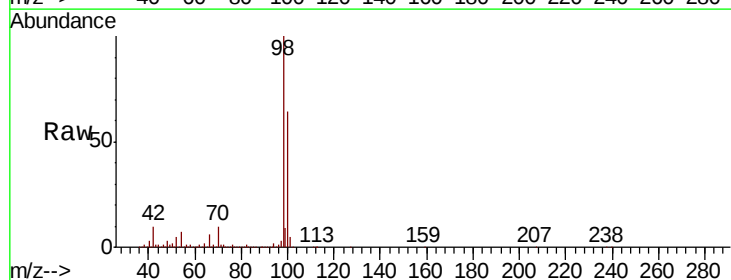
Manual Integrations
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#50
Toluene-d8
Concen: 395.297 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





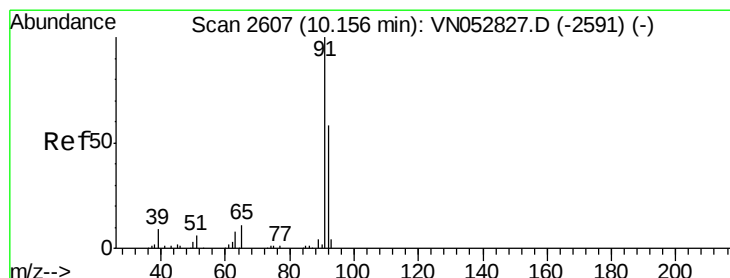
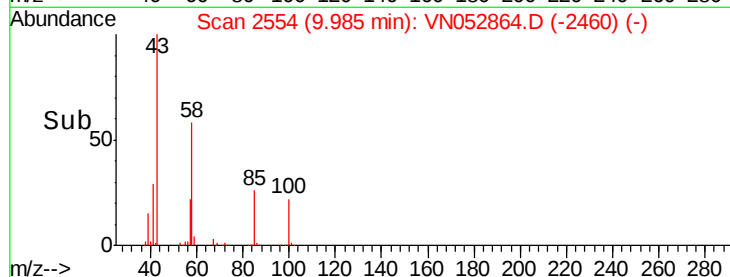
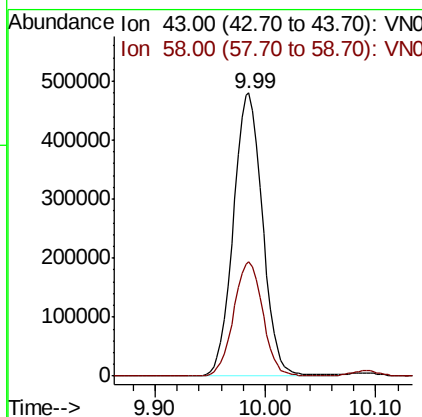
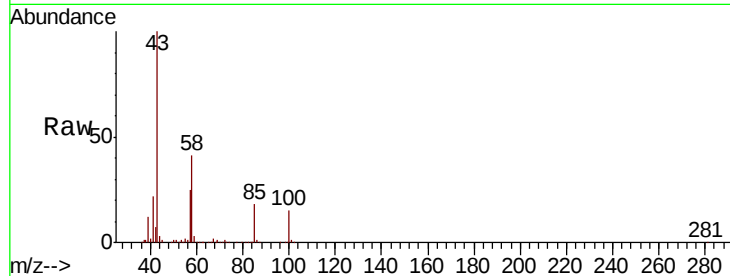
#51
4-Methyl-2-Pentanone
Concen: 100.219 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.2	48.4

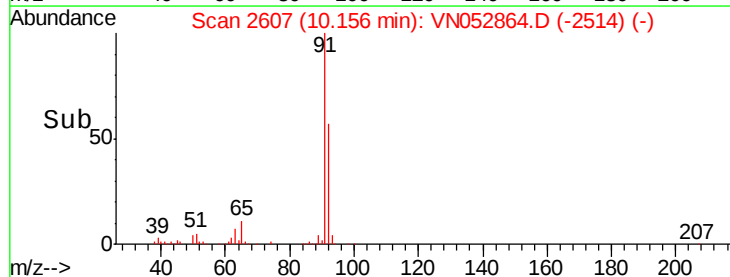
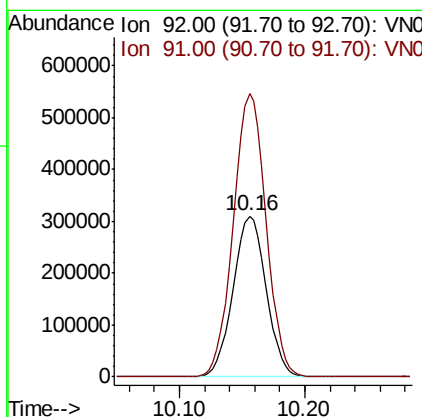
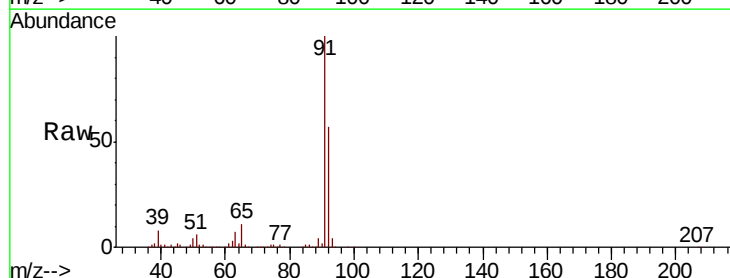
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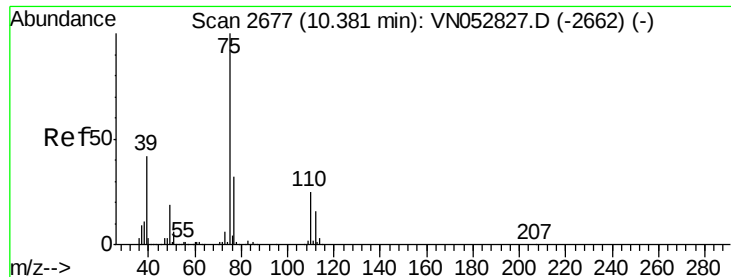
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#52
Toluene
Concen: 20.028 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.8	209.6





#53

t-1,3-Dichloropropene

Concen: 19.121 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion: 75 Resp: 282811

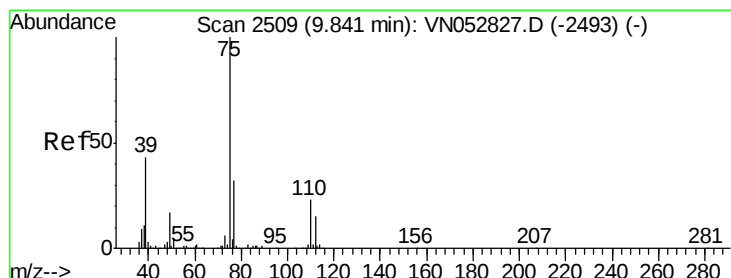
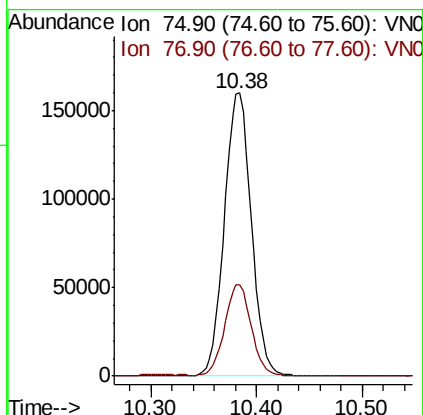
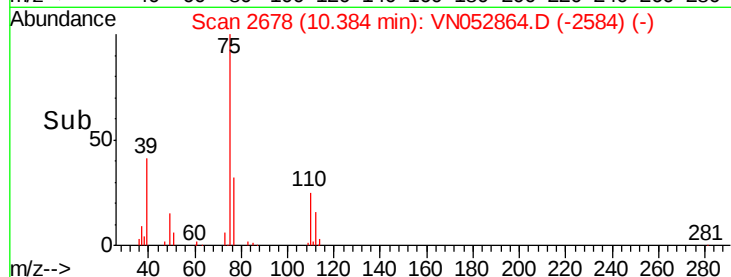
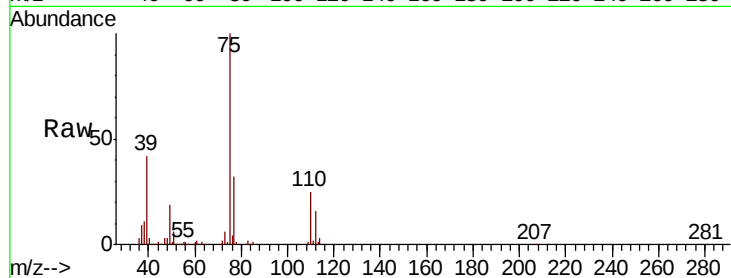
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 19.599 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

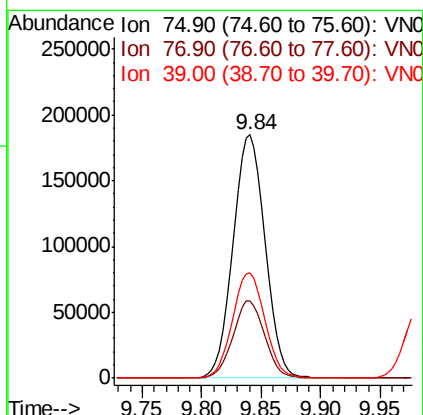
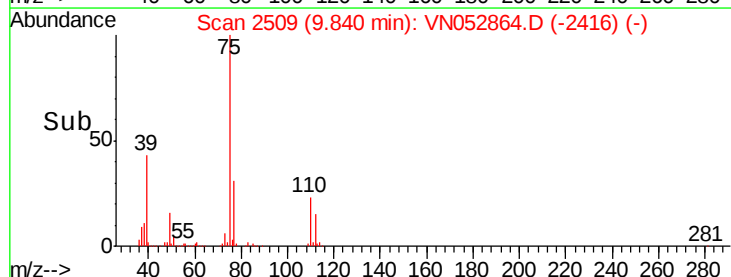
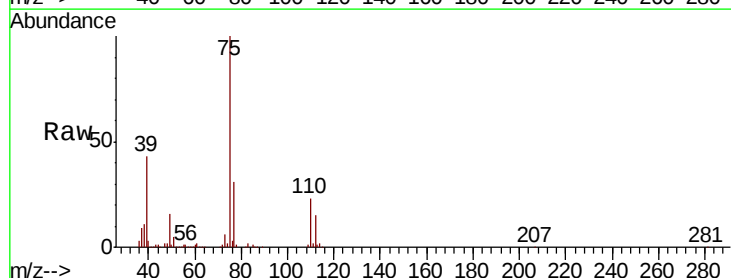
Tgt Ion: 75 Resp: 345418

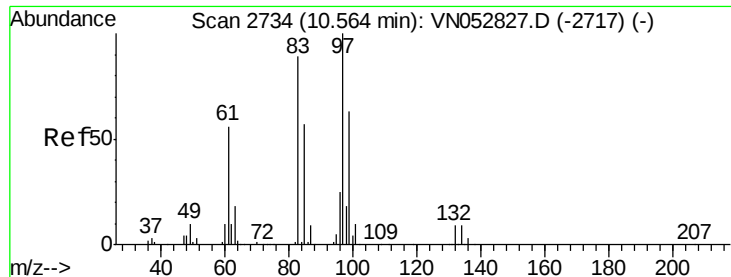
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 43.3 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 19.852 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

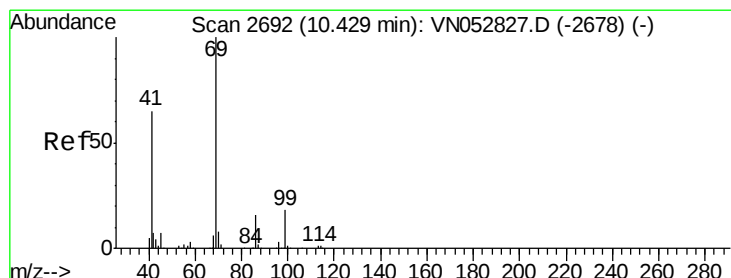
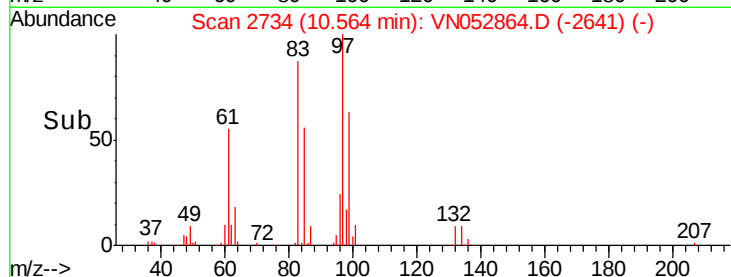
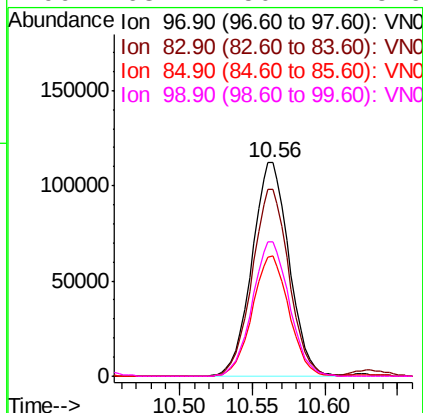
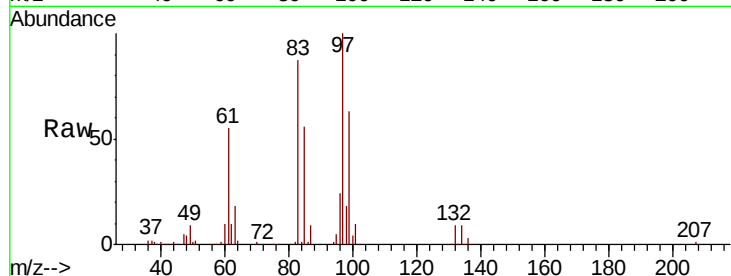
ClientSampleId :

VN1213WBS01

Tot Ion	97	Resp	200270
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.9	106.3
85	56.1	45.4	68.2
99	63.1	50.4	75.6

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#56

Ethyl methacrylate

Concen: 19.795 ug/l

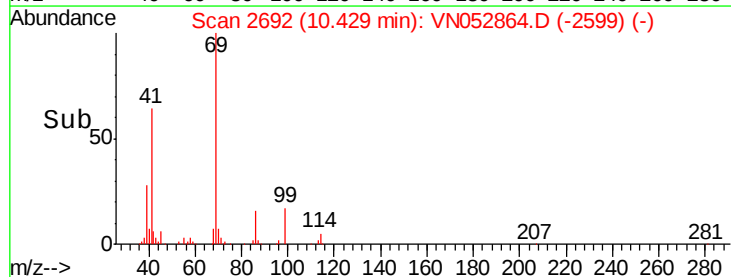
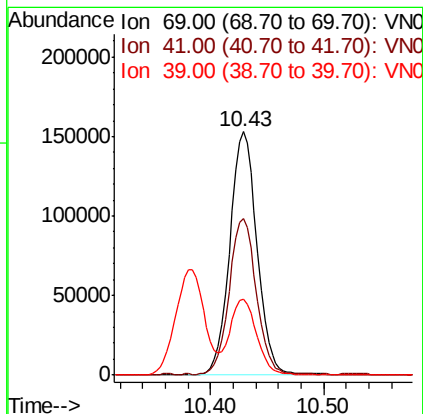
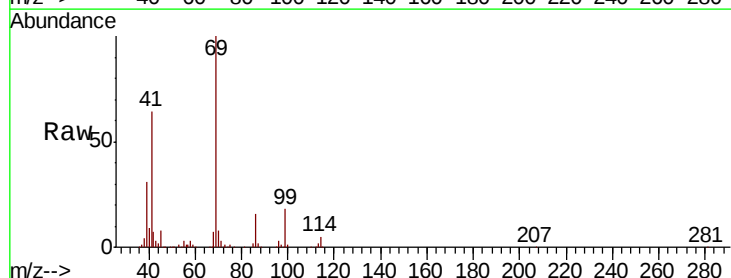
RT: 10.43 min Scan# 2692

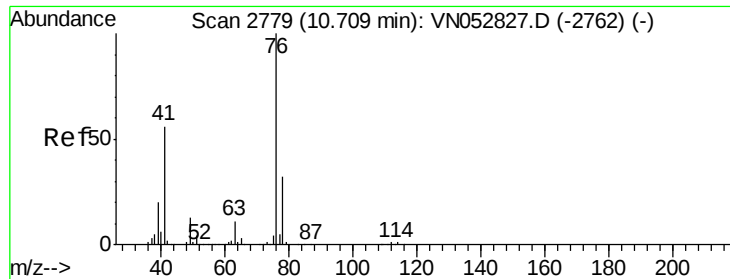
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion	69	Resp	256279
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.7	77.5
39	31.0	24.6	37.0





#57

1,3-Dichloropropane

Concen: 19.893 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion: 76 Resp: 344131

Ion Ratio Lower Upper

76 100

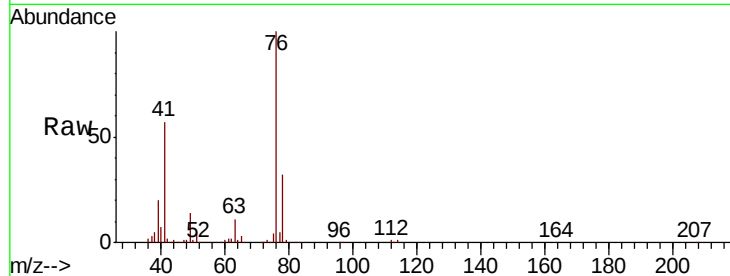
78 32.6 25.8 38.8

Manual Integrations

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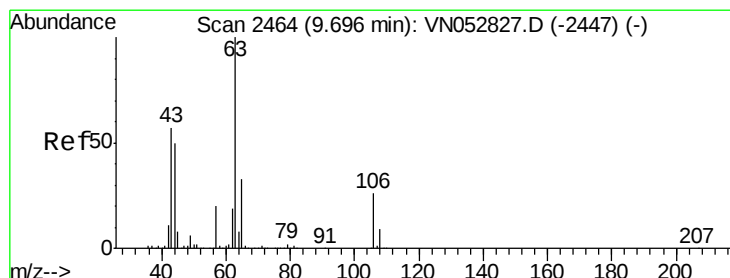
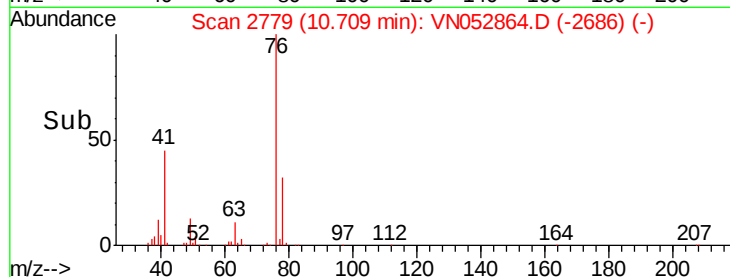
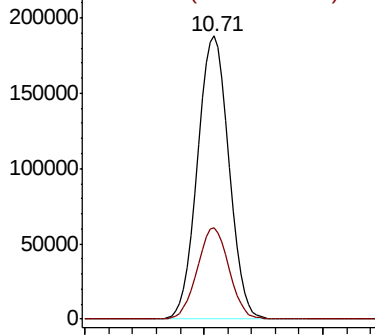
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.475 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052864.D

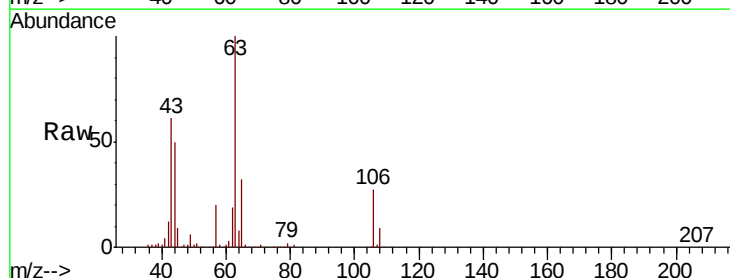
Acq: 13 Dec 2018 15:07

Tgt Ion: 63 Resp: 711369

Ion Ratio Lower Upper

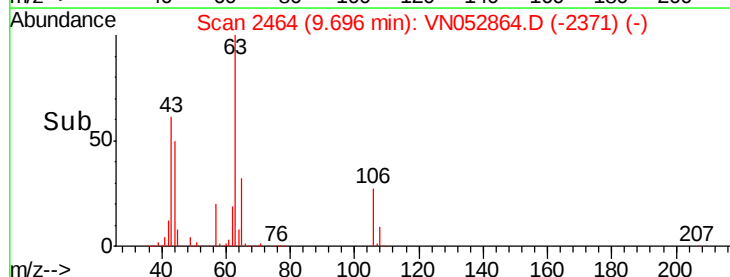
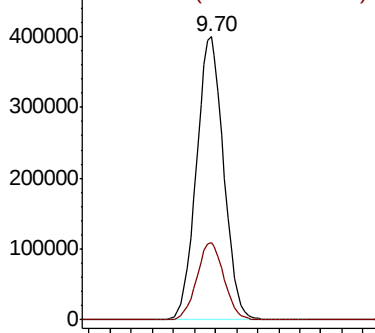
63 100

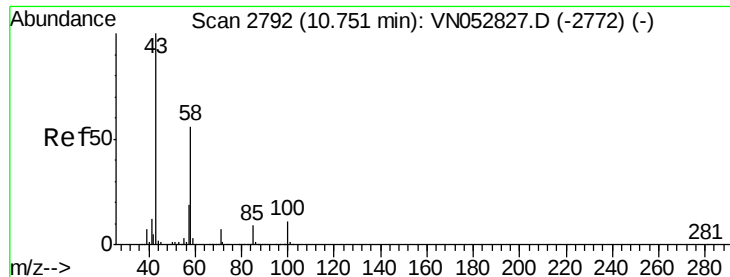
106 27.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





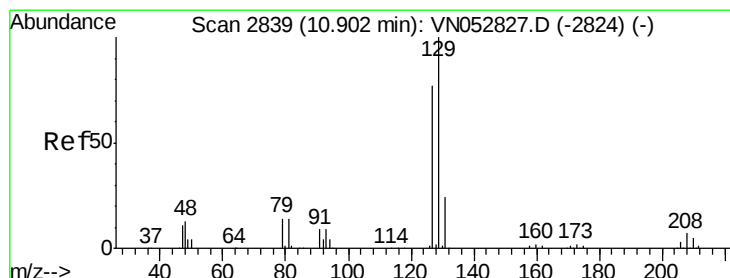
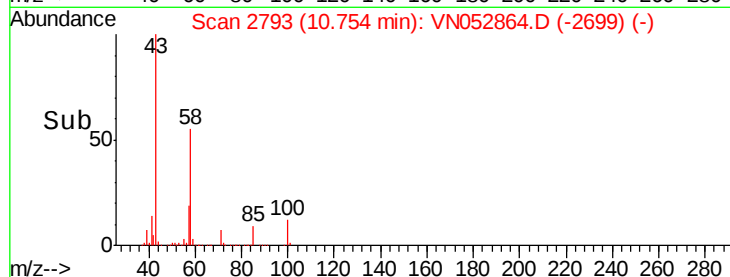
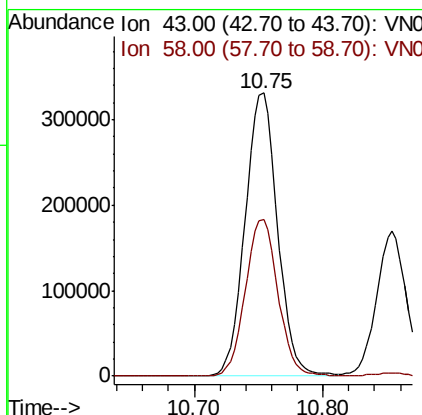
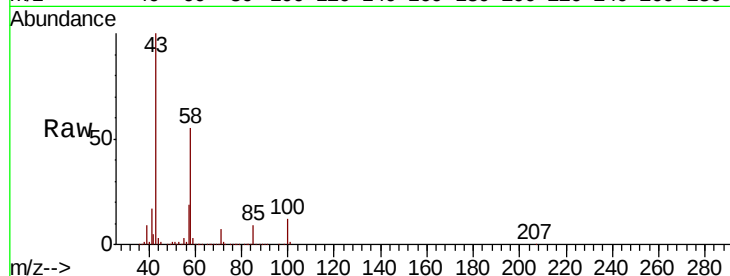
#59
2-Hexanone
Concen: 96.189 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion: 43 Resp: 578787
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3

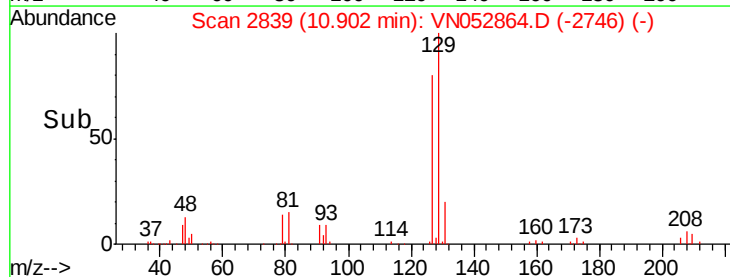
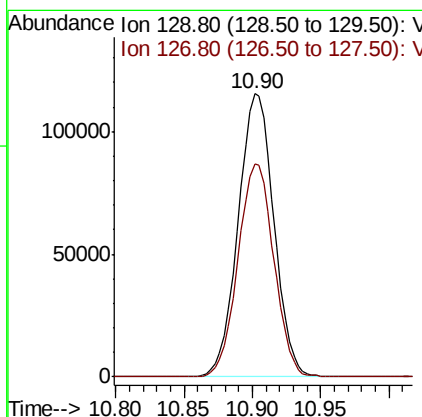
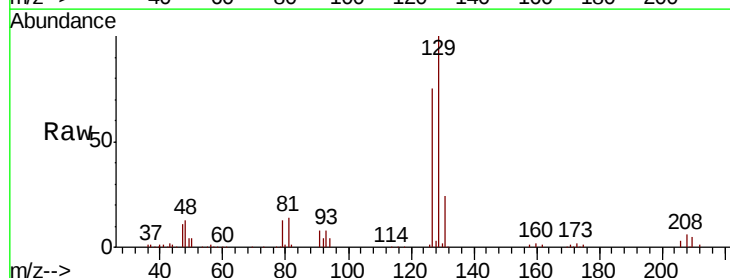
Manual Integrations
APPROVED

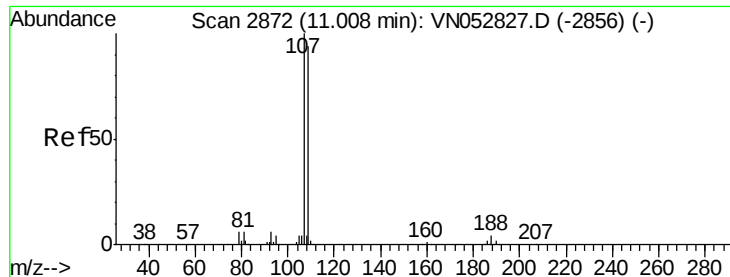
MMDadoda
12/14/2018 9:03:06 AM



#60
Dibromochloromethane
Concen: 19.271 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 129 Resp: 210106
Ion Ratio Lower Upper
129 100
127 75.5 38.6 116.0





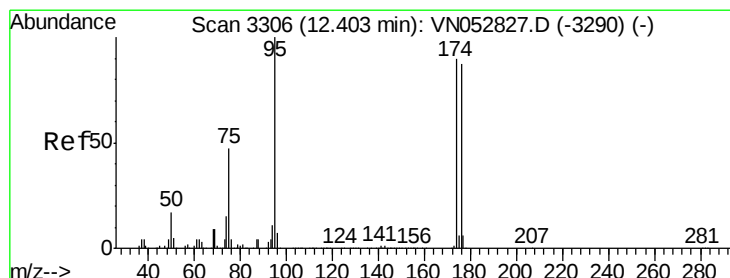
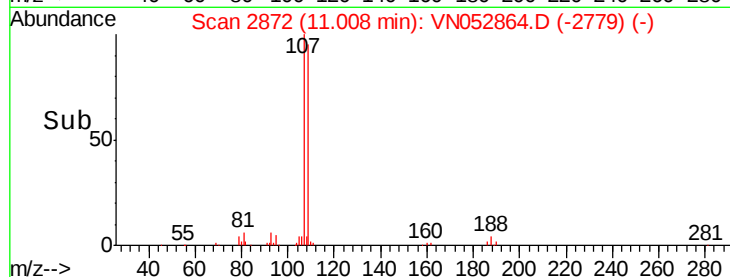
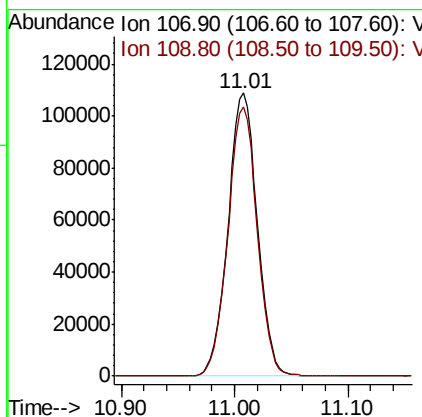
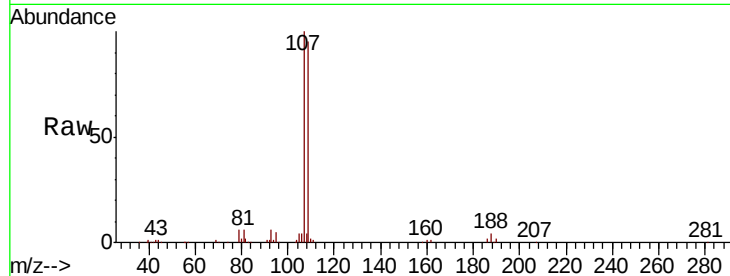
#61
 1,2-Dibromoethane
 Concen: 19.642 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.0

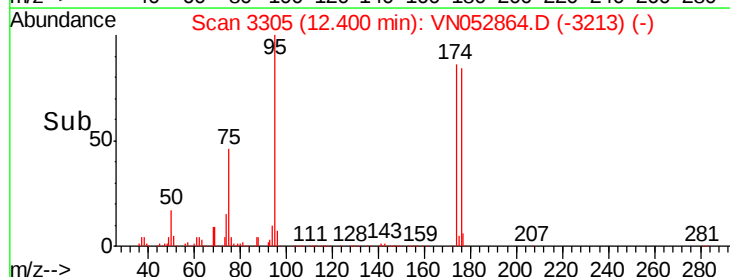
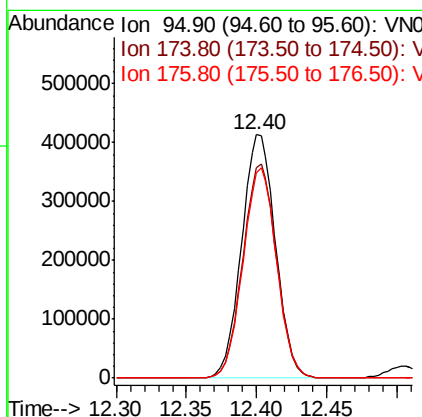
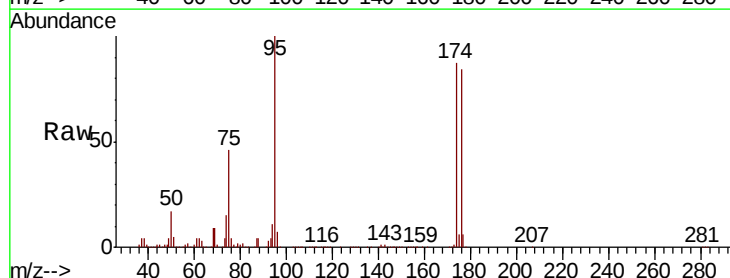
Manual Integrations
 APPROVED

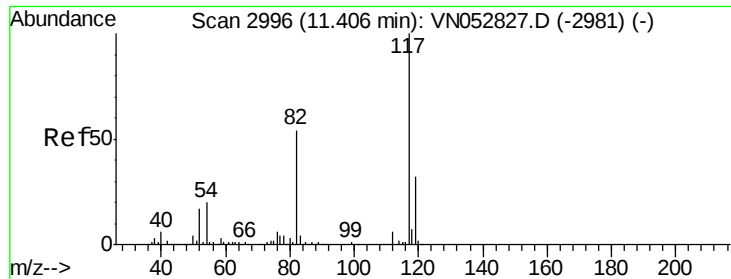
MMDadoda
 12/14/2018 9:03:06 AM



#62
 4-Bromofluorobenzene
 Concen: 19.642 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	178.8
176	85.4	0.0	173.8





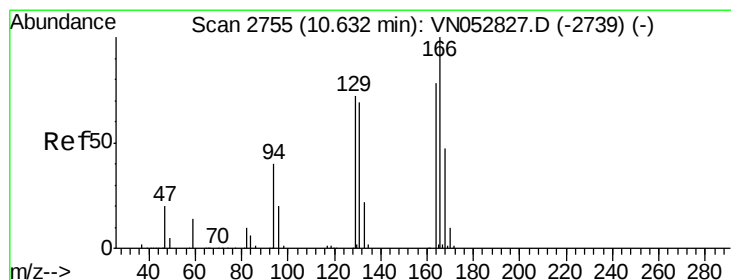
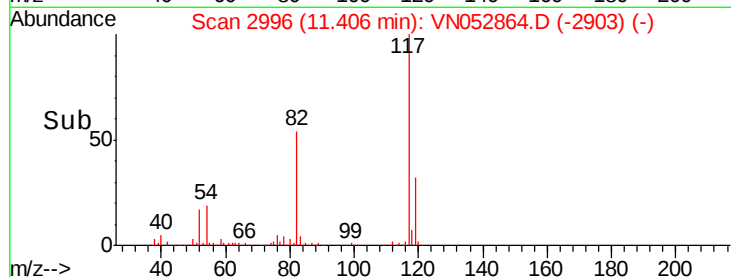
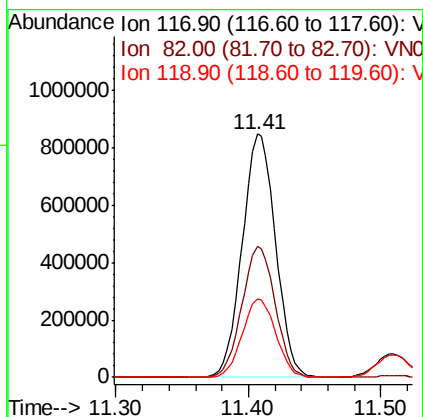
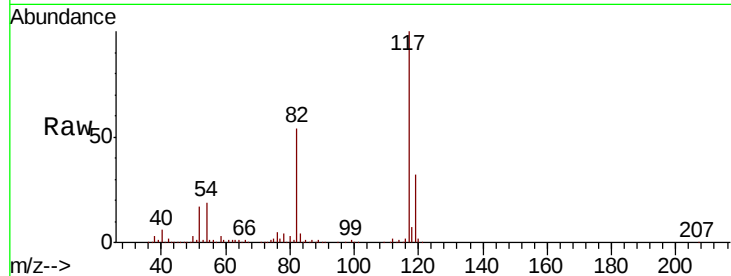
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.8	64.2
119	32.3	25.5	38.3

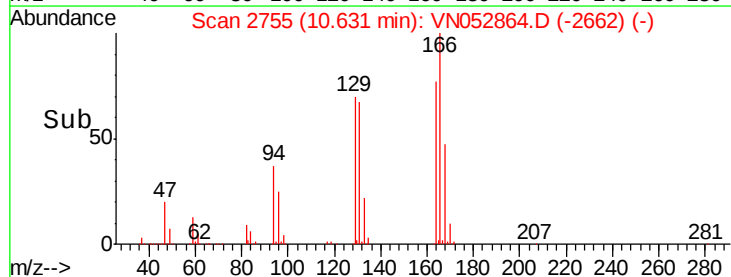
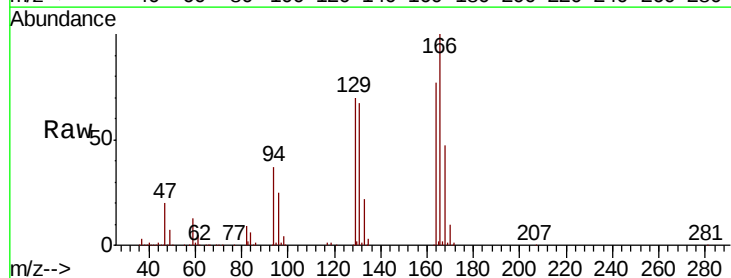
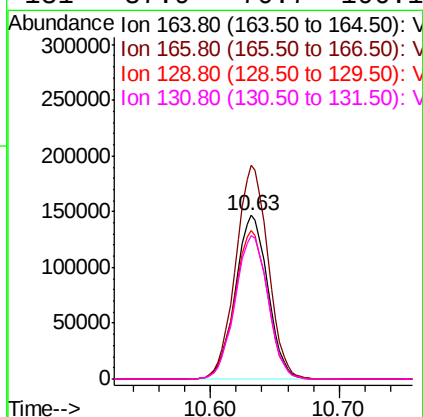
Manual Integrations
APPROVED

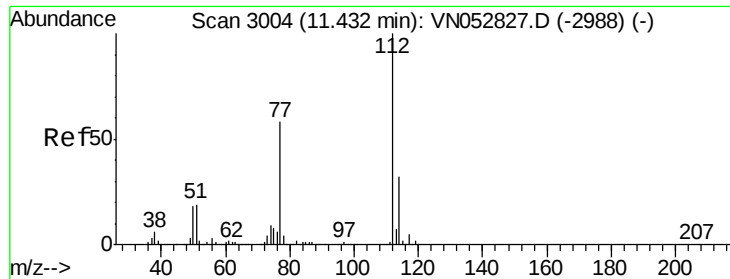
MMDadoda
12/14/2018 9:03:06 AM



#64
Tetrachloroethene
Concen: 20.204 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	102.9	154.3
129	91.0	73.7	110.5
131	87.9	70.7	106.1





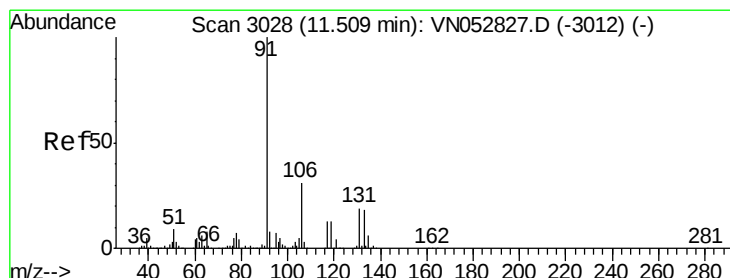
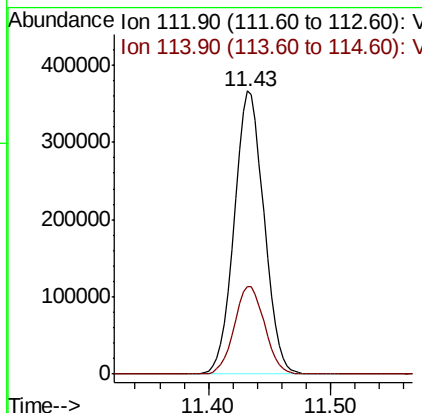
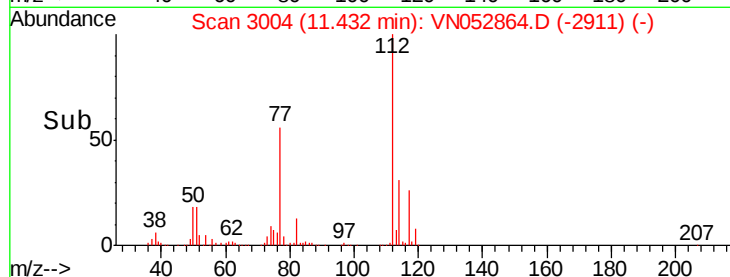
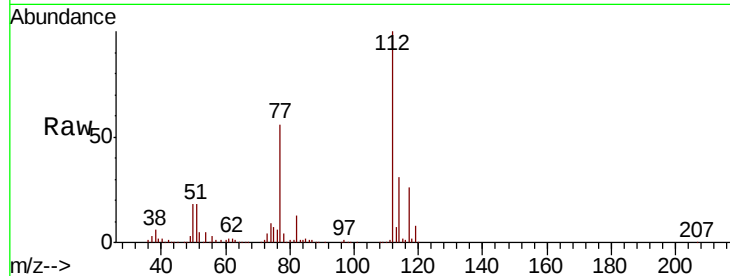
#65
Chlorobenzene
Concen: 20.150 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.5	38.3

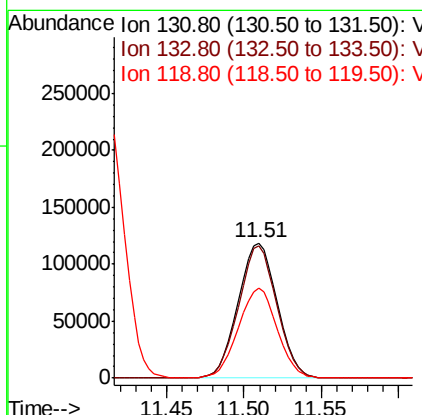
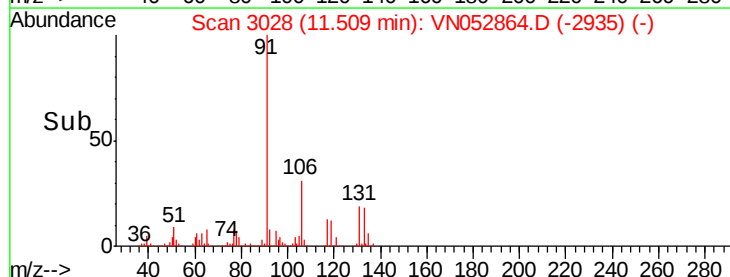
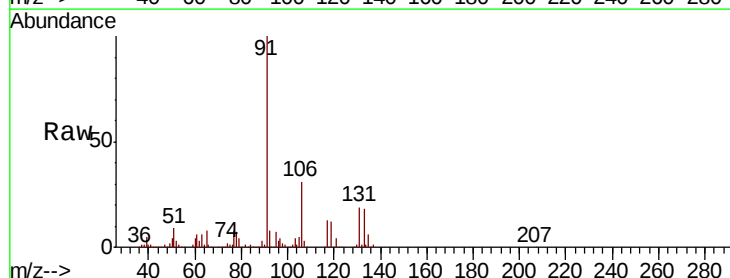
Manual Integrations
APPROVED

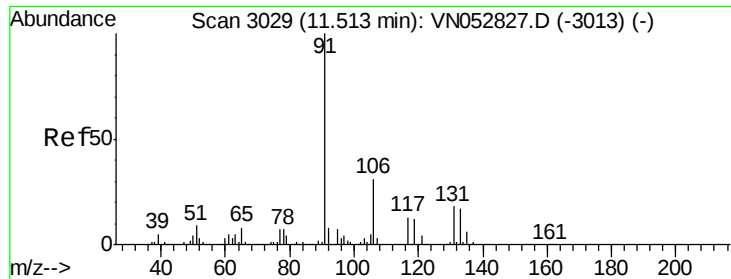
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.511 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.6	142.9
119	66.5	33.3	99.8





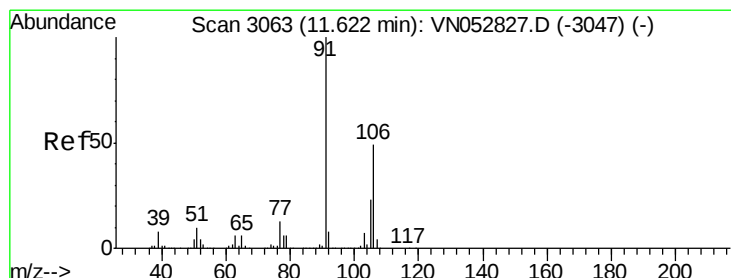
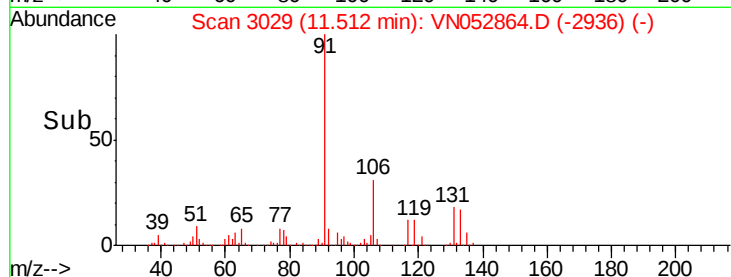
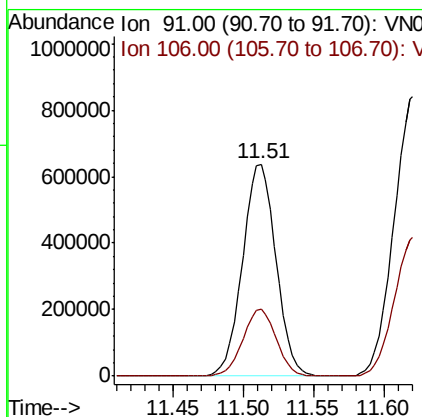
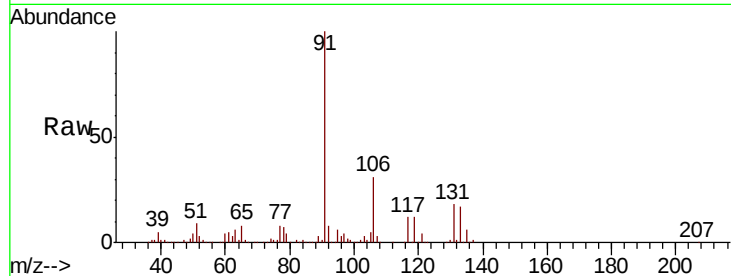
#67
Ethyl Benzene
Concen: 20.089 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion: 91 Resp: 1059626
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

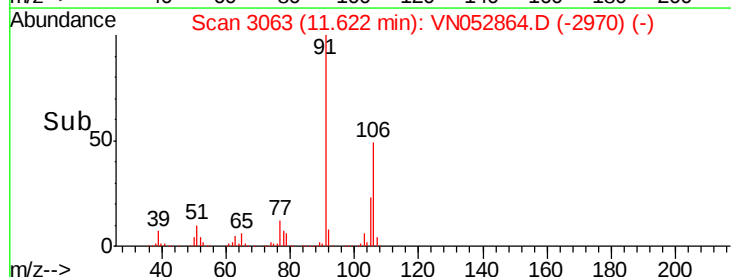
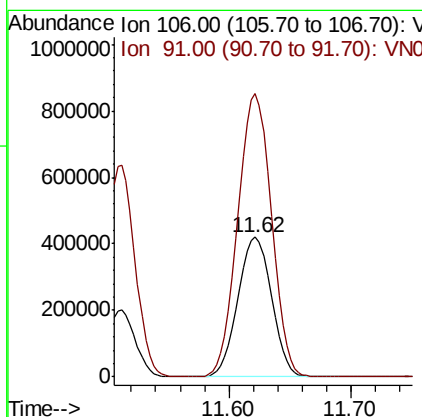
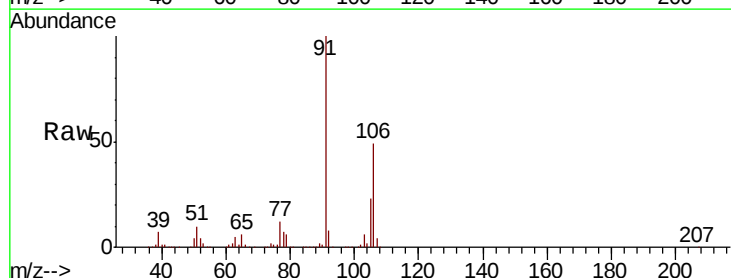
Manual Integrations
APPROVED

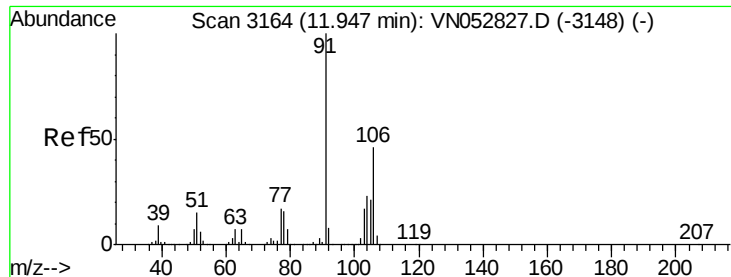
MMDadoda
12/14/2018 9:03:06 AM



#68
m/p-Xylenes
Concen: 40.452 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 106 Resp: 801195
Ion Ratio Lower Upper
106 100
91 203.2 162.2 243.4





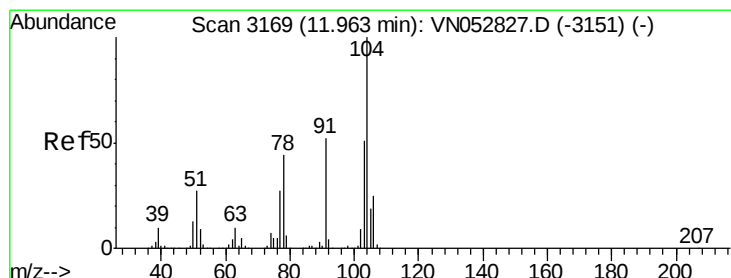
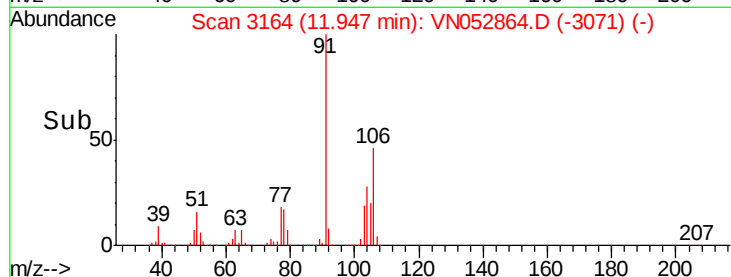
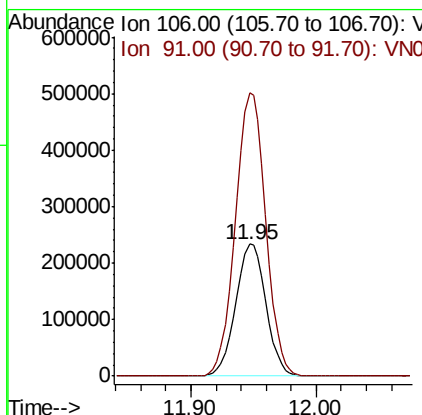
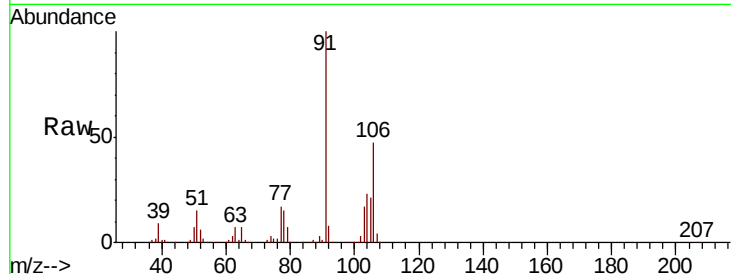
#69
o-Xylene
Concen: 20.184 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	390367		
91	91	215.3	106.6	319.8	

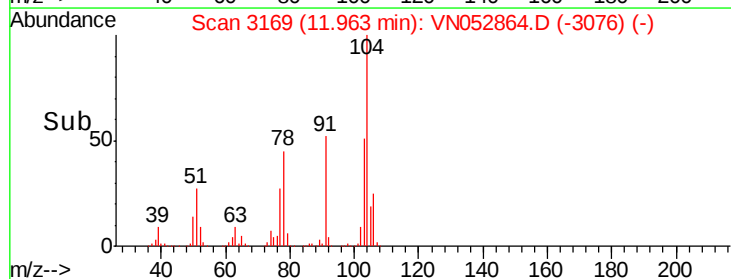
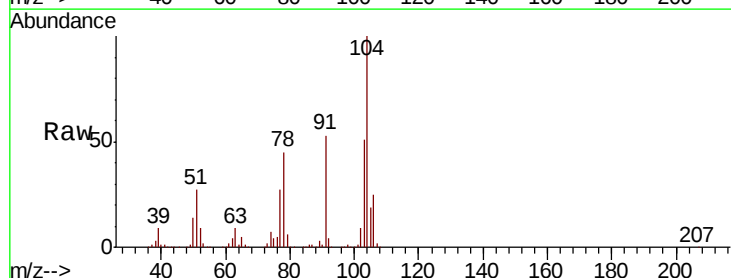
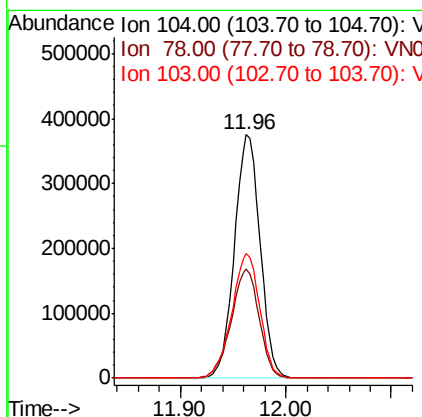
Manual Integrations
APPROVED

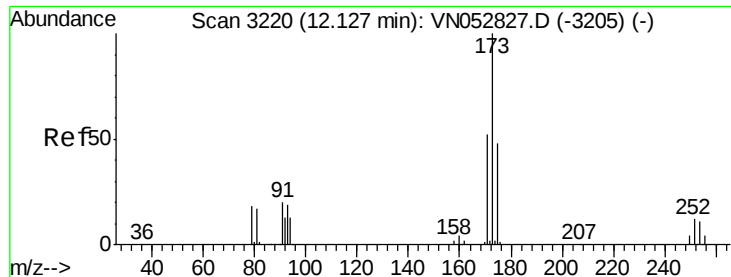
MMDadoda
12/14/2018 9:03:06 AM



#70
Styrene
Concen: 20.293 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	630906		
78	78	48.7	38.9	58.3	
103	103	55.6	44.3	66.5	





#71

Bromoform

Concen: 18.592 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

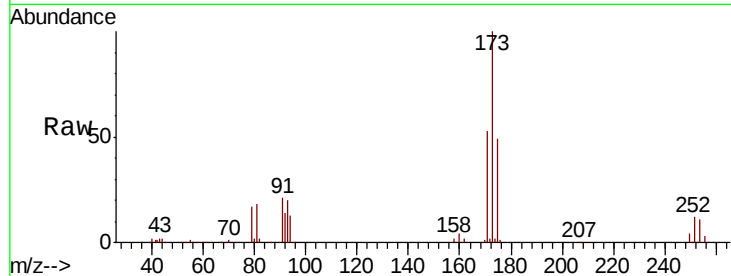
ClientSampleId :

VN1213WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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12/14/2018 9:03:06 AM

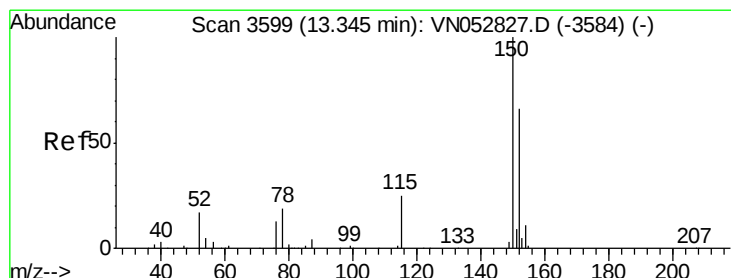
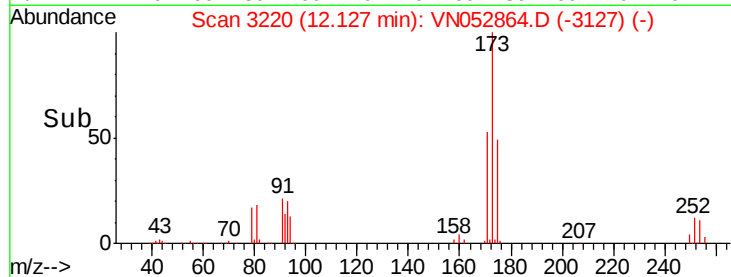
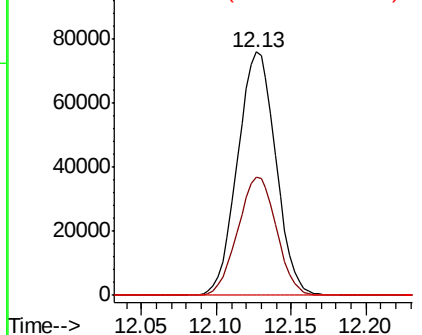


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

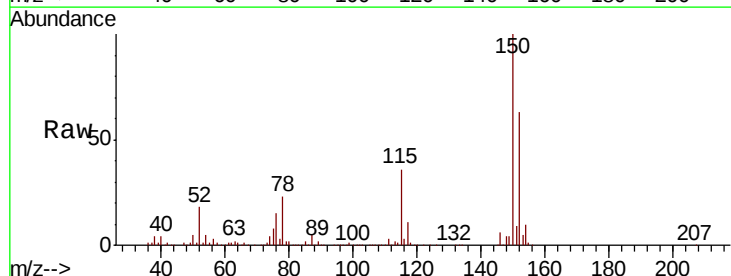
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	163.6	0.0	347.8

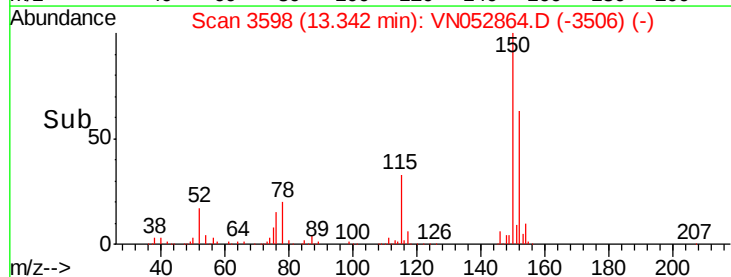
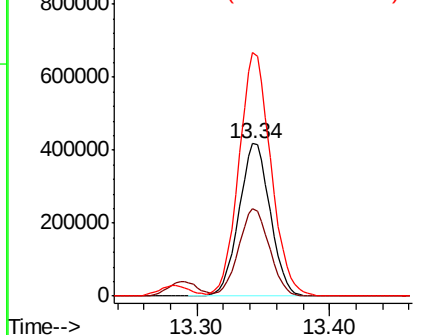


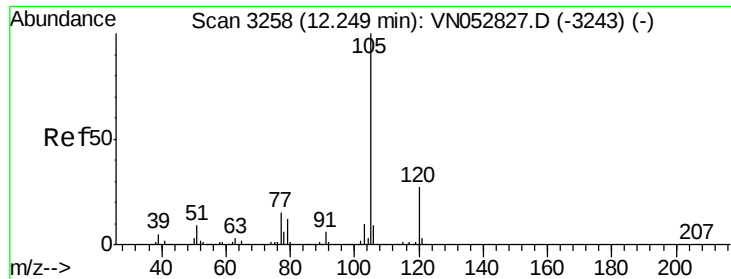
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.375 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion:105 Resp: 1038728

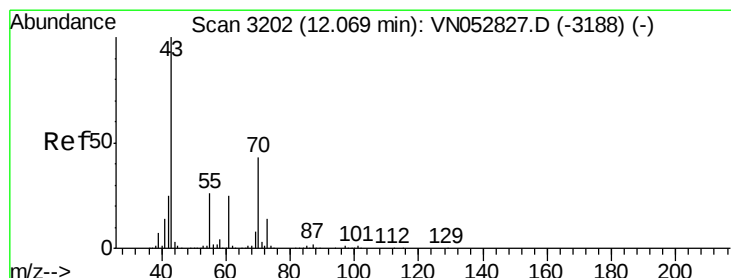
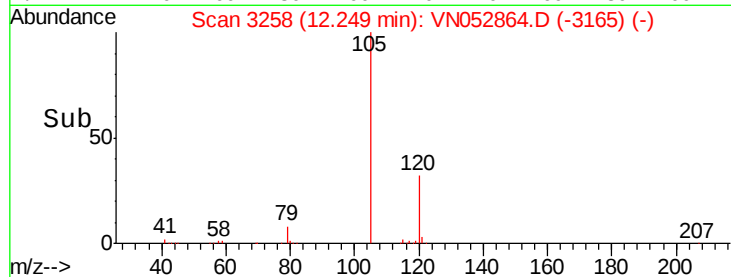
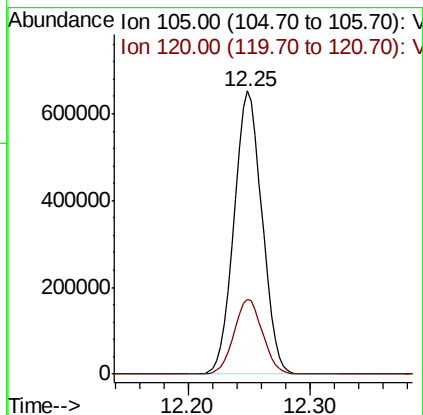
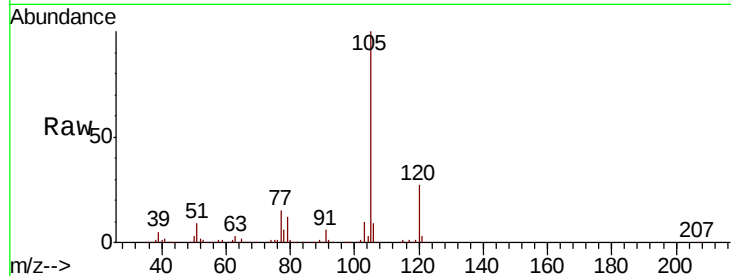
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9

Manual Integrations
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12/14/2018 9:03:06 AM



#74

N-ethyl acetate

Concen: 19.957 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion: 43 Resp: 279329

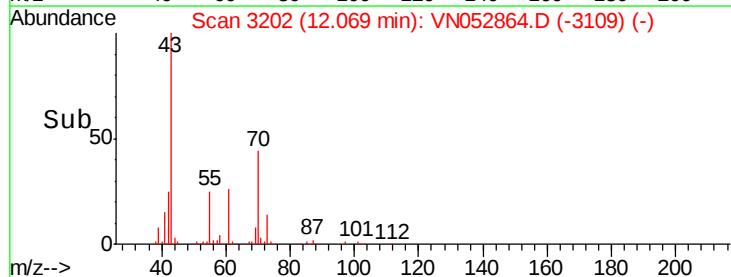
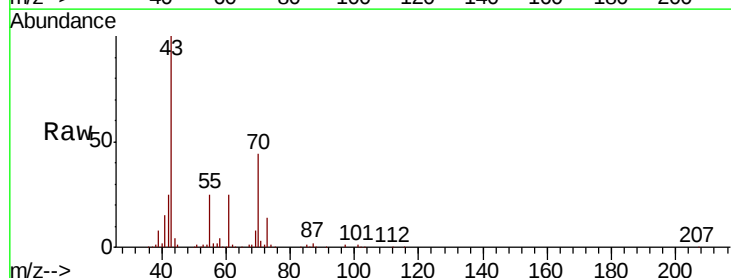
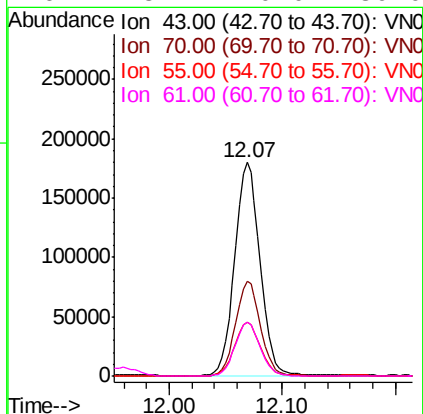
Ion Ratio Lower Upper

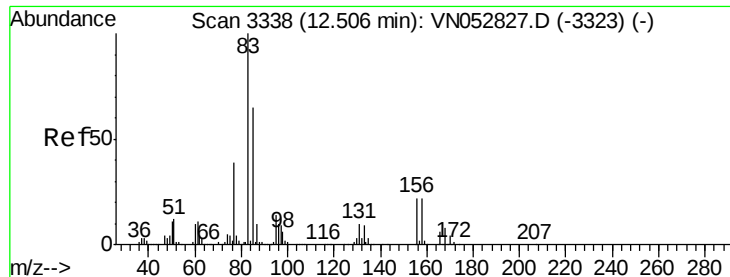
43 100

70 44.1 34.2 51.4

55 26.0 20.3 30.5

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.465 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

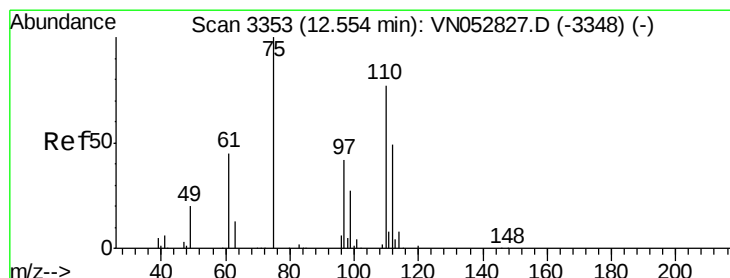
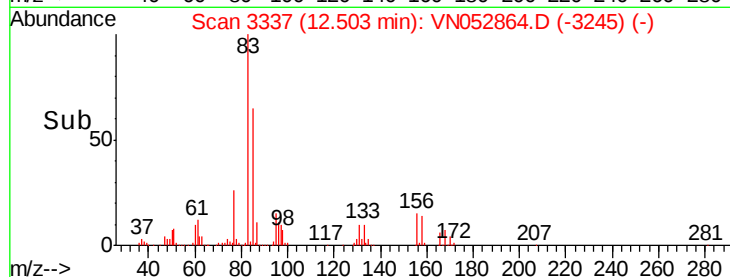
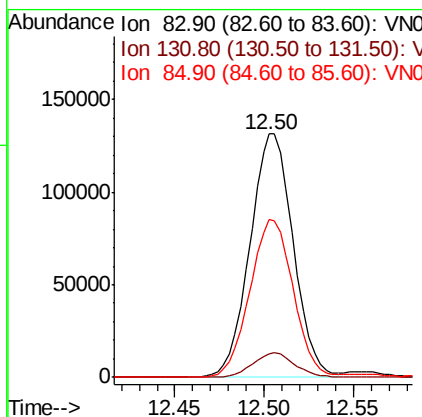
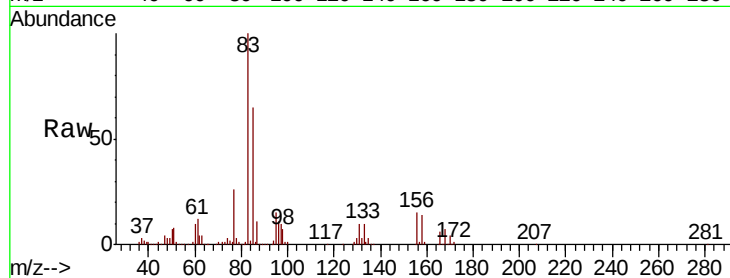
ClientSampleId :

VN1213WBS01

Tot Ion:	83	Resp:	222406
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	65.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.281 ug/l m

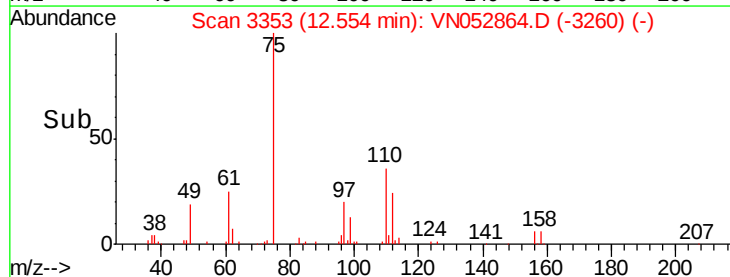
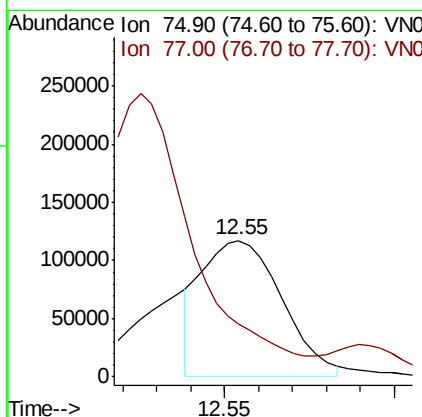
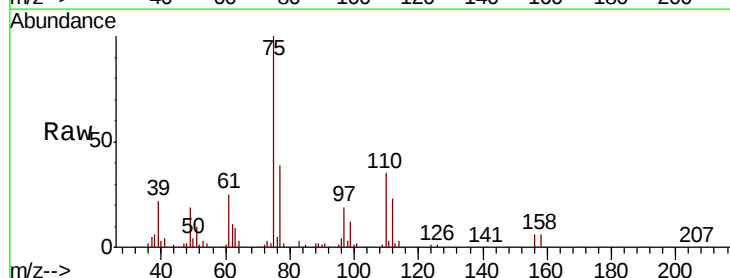
RT: 12.55 min Scan# 3353

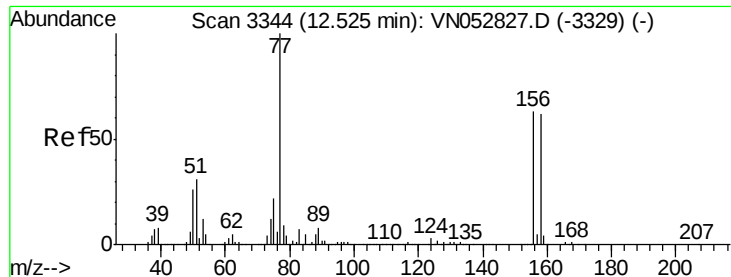
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	75	Resp:	194244
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.282 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

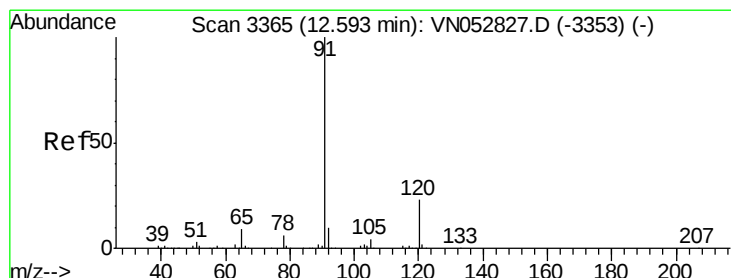
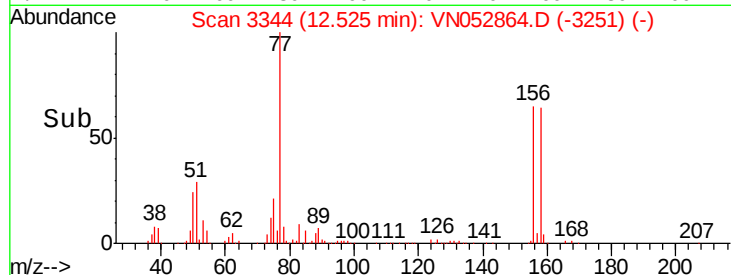
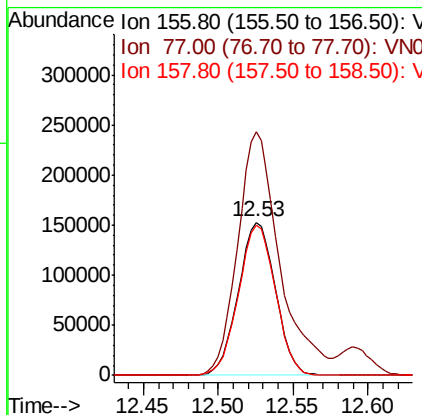
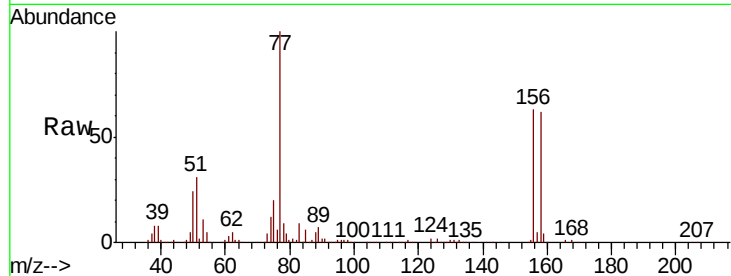
ClientSampleId :

VN1213WBS01

Tot Ion:	156	Resp:	262995
Ion Ratio	Lower	Upper	
156	100		
77	181.8	91.3	273.8
158	97.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.310 ug/l

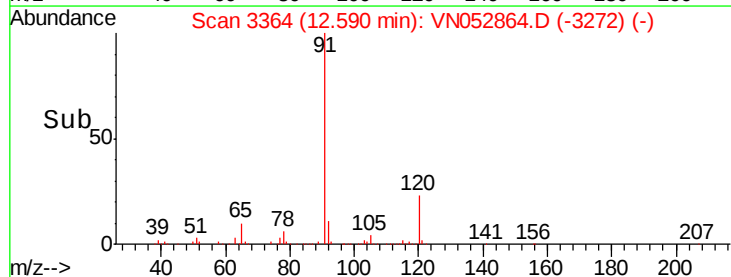
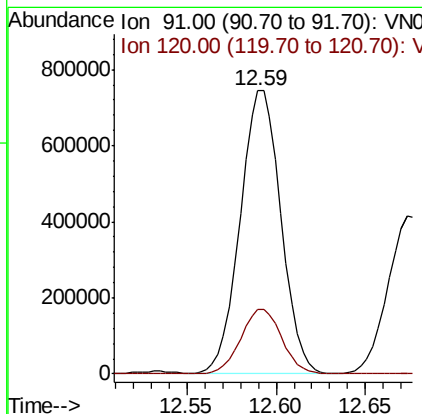
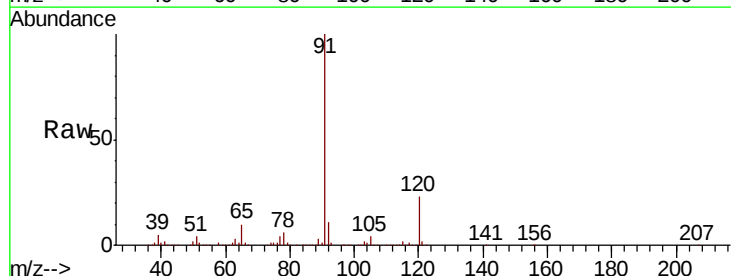
RT: 12.59 min Scan# 3364

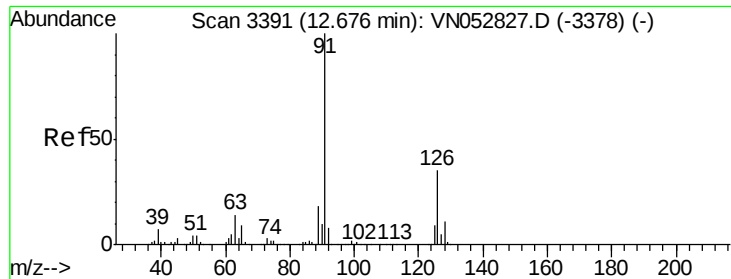
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	91	Resp:	1180910
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.115 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion: 91 Resp: 691433

Ion Ratio Lower Upper

91 100

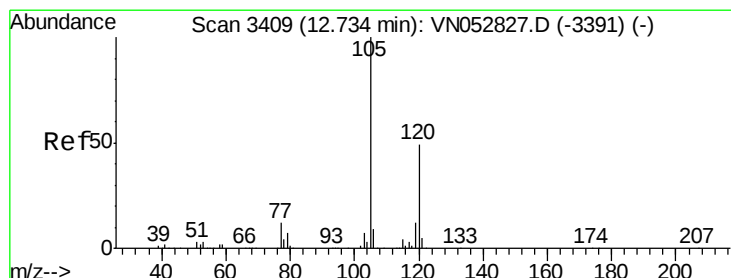
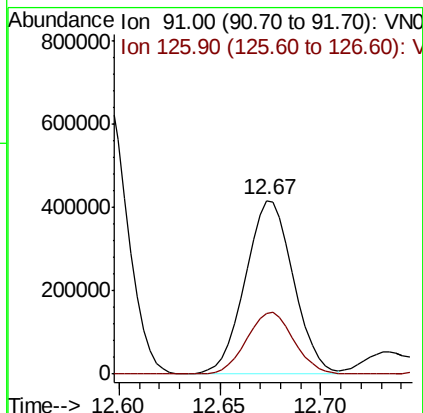
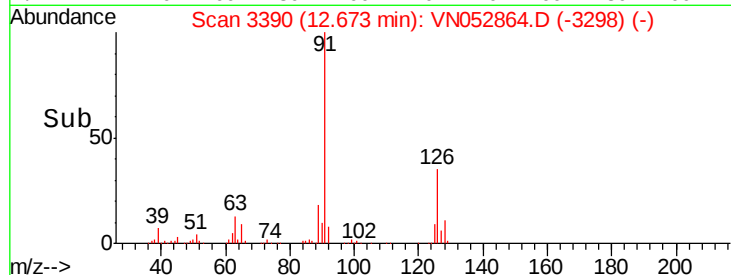
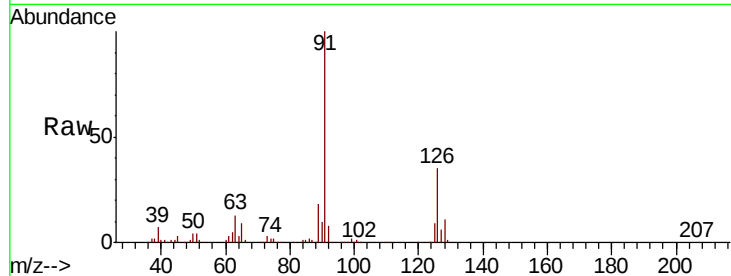
126 35.2 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.482 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052864.D

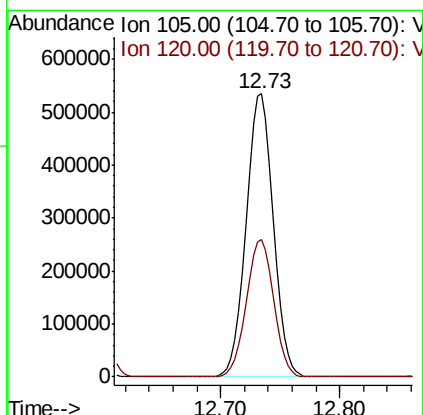
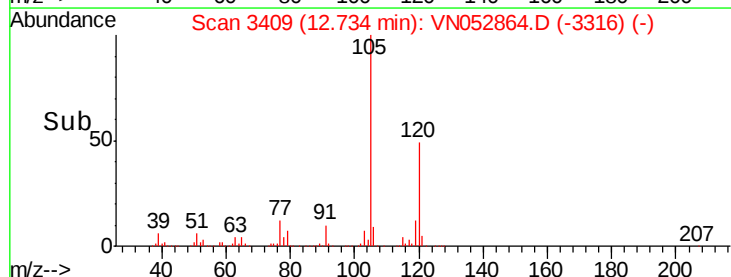
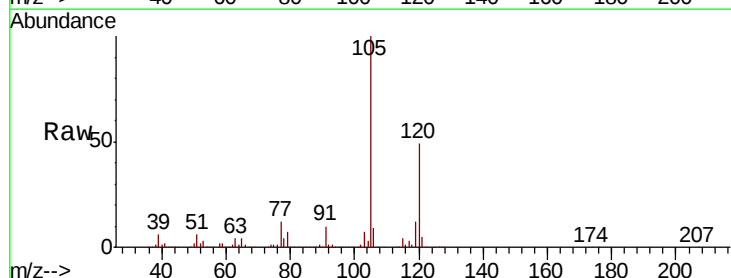
Acq: 13 Dec 2018 15:07

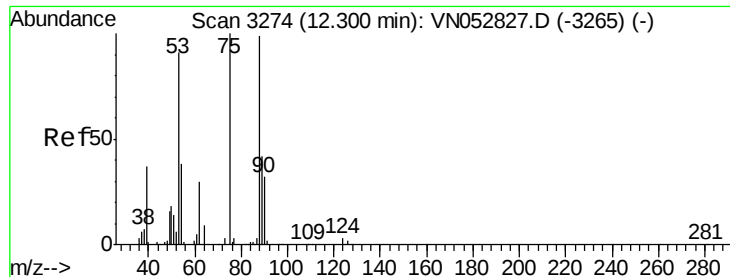
Tgt Ion: 105 Resp: 842920

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.172 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

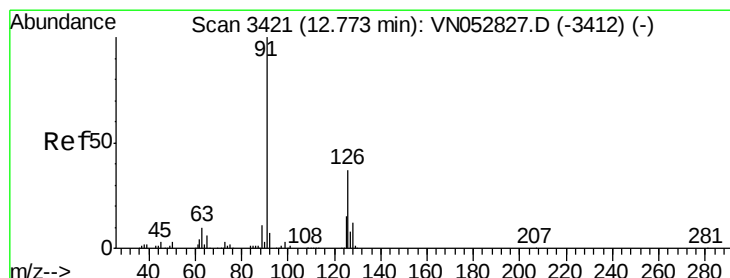
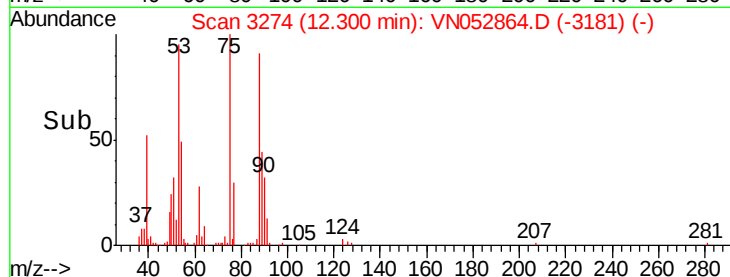
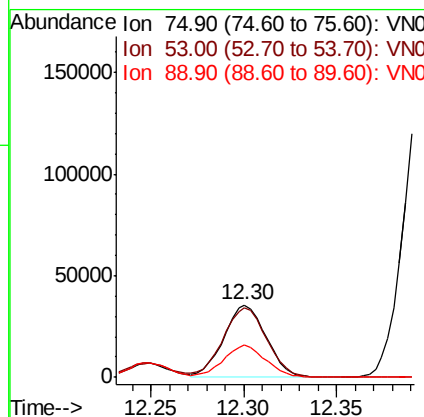
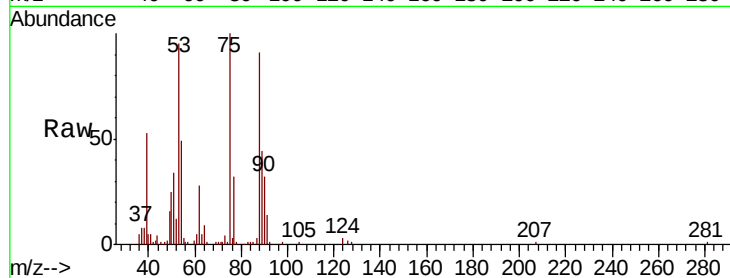
ClientSampleId :

VN1213WBS01

Tot Ion:	75	Resp:	56985
Ion	Ratio	Lower	Upper
75	100		
53	97.1	74.7	112.1
89	43.3	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.011 ug/l

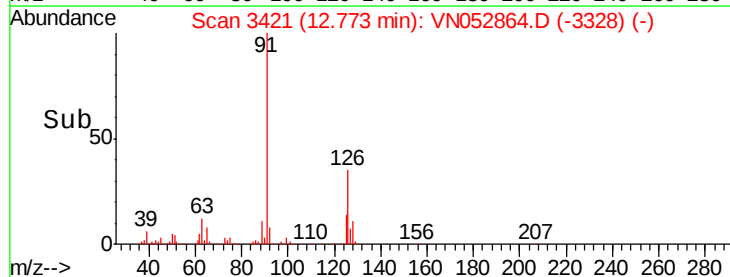
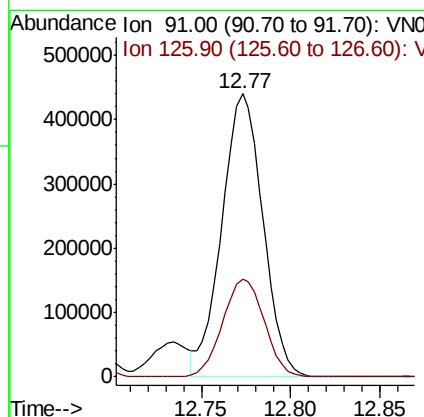
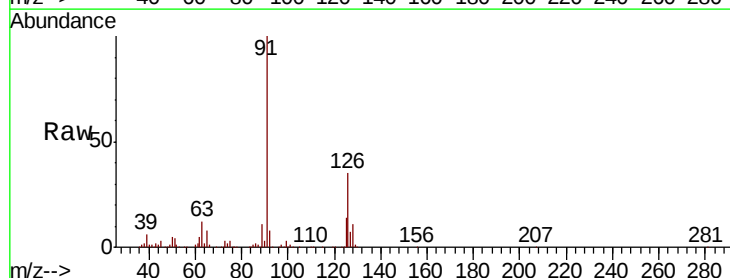
RT: 12.77 min Scan# 3421

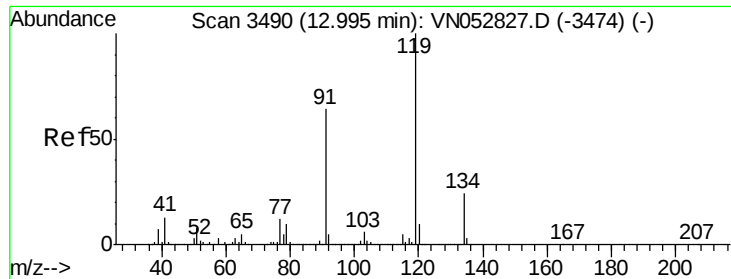
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	91	Resp:	703265
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	51.7





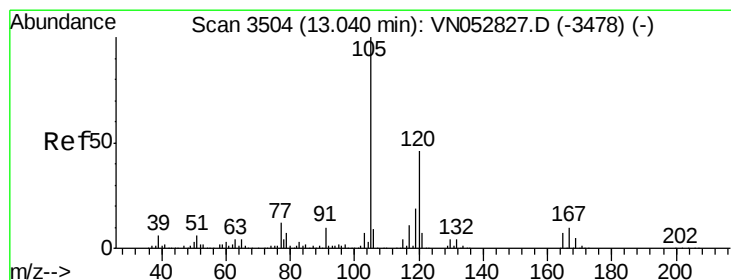
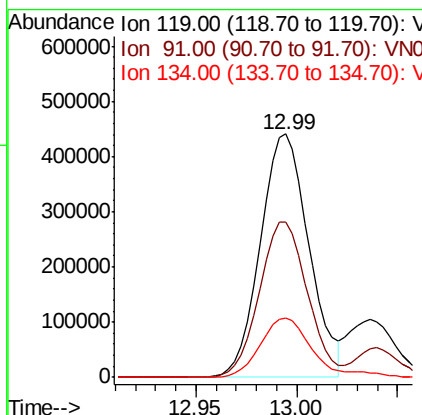
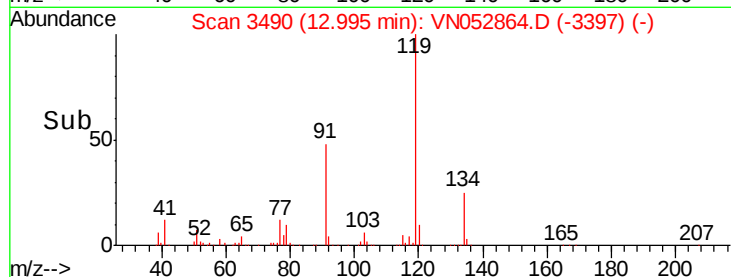
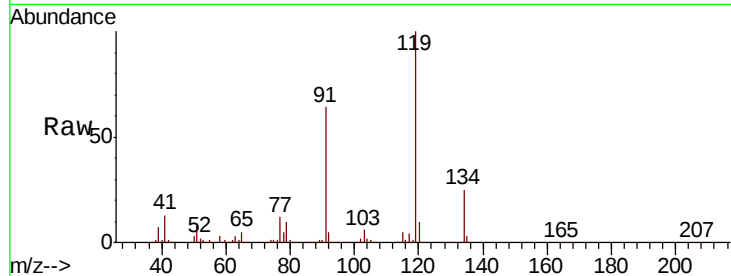
#83
tert-Butylbenzene
Concen: 20.348 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	738728		
91	63.3		31.9	95.5
134	26.1		12.8	38.4

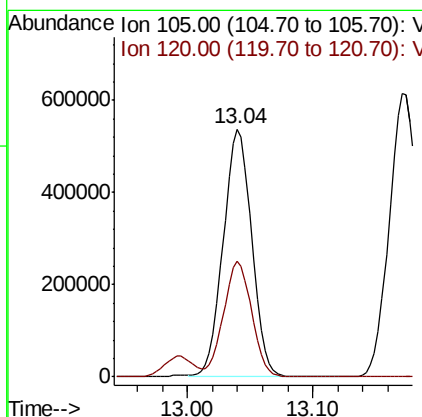
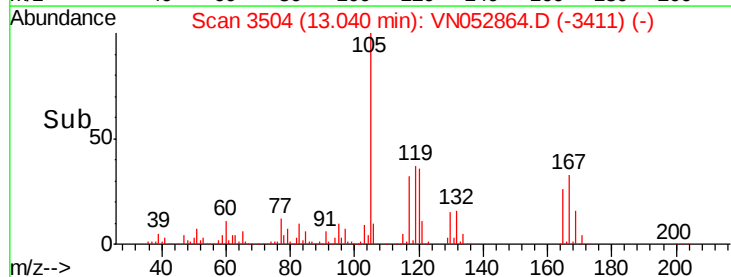
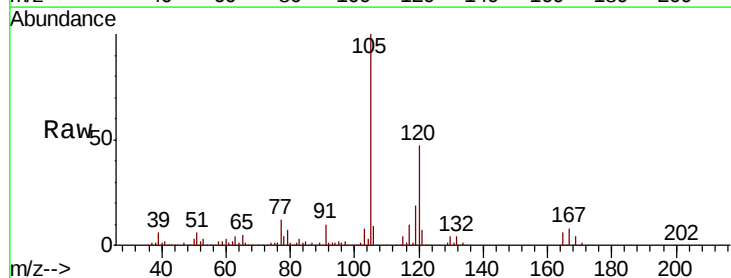
Manual Integrations
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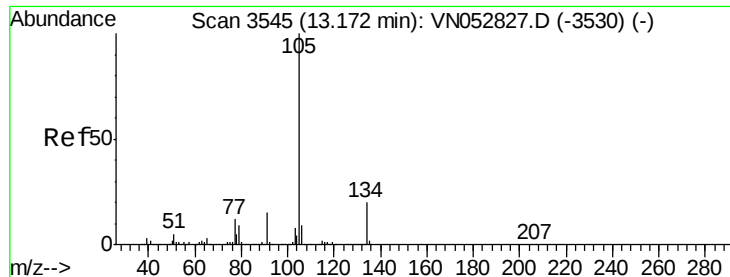
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.287 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	845249		
120	46.3		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

Tot Ion:105 Resp: 991820

Ion Ratio Lower Upper

105 100

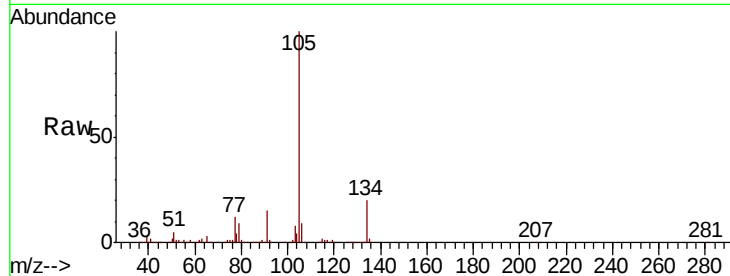
134 20.3 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

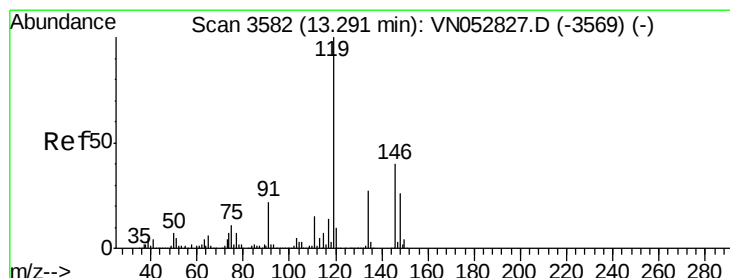
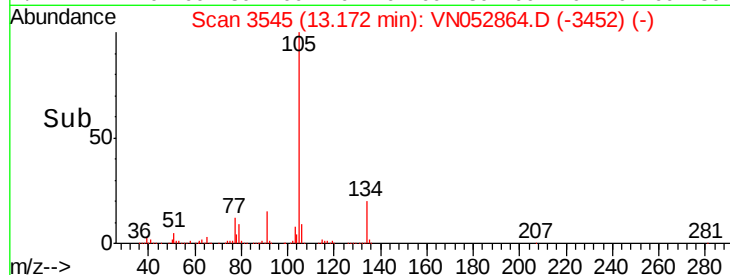
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.048 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

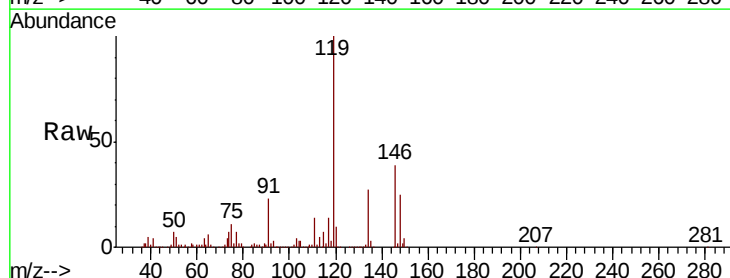
Tgt Ion:119 Resp: 853966

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.4 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

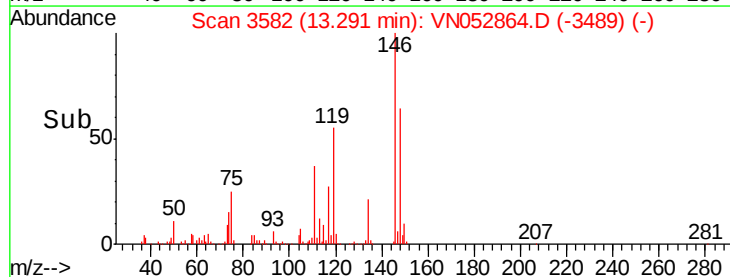
600000

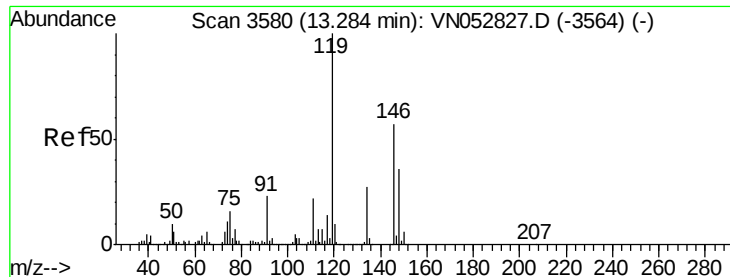
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.910 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052864.D

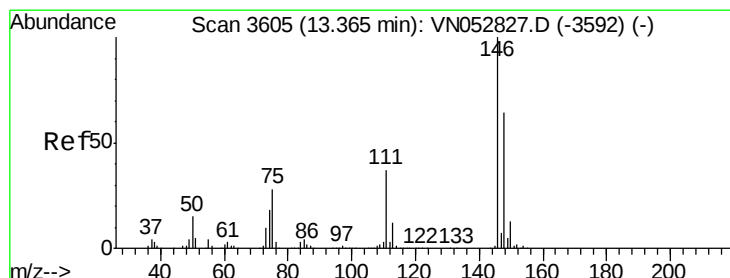
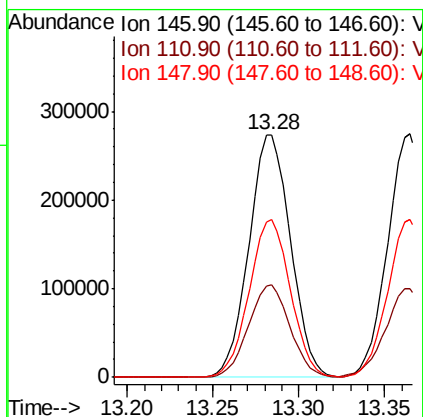
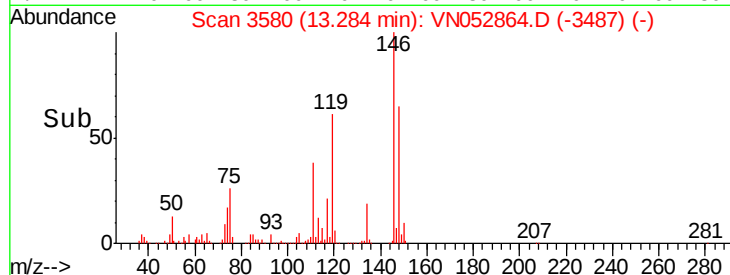
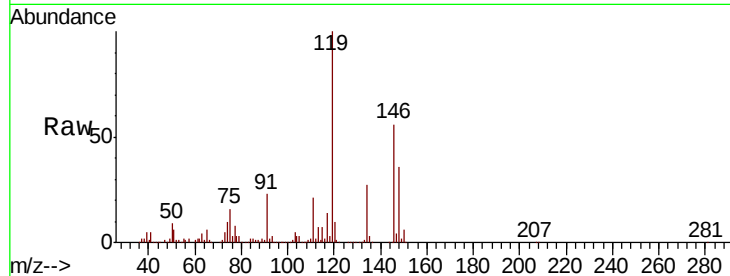
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.3	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 19.814 ug/l

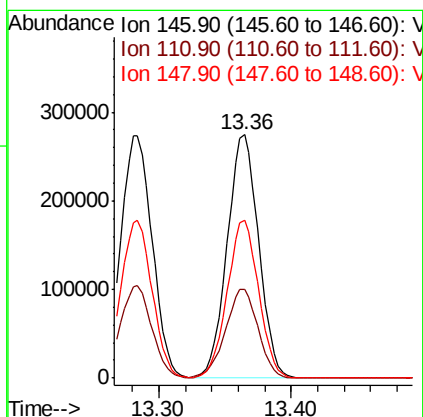
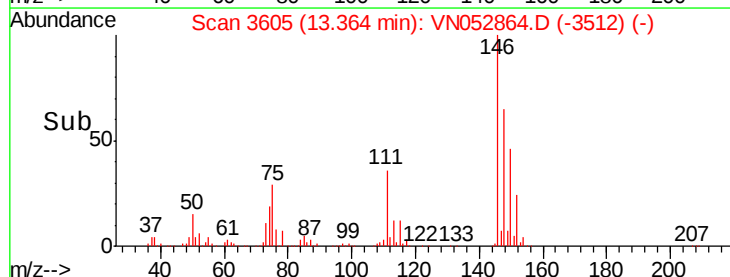
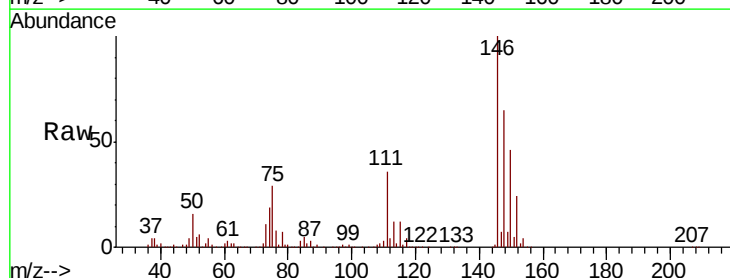
RT: 13.36 min Scan# 3605

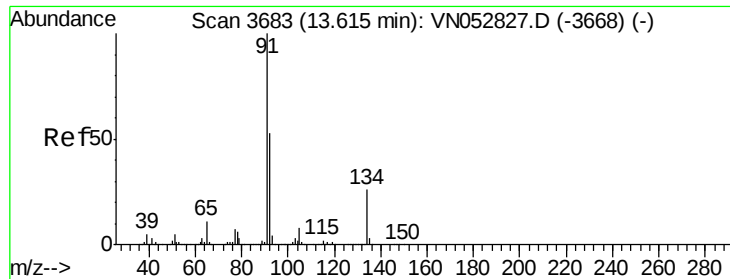
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.6	32.1	96.5





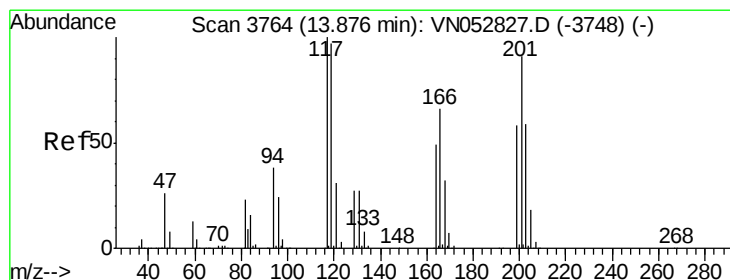
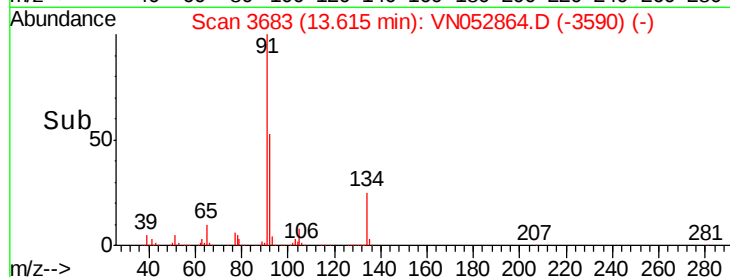
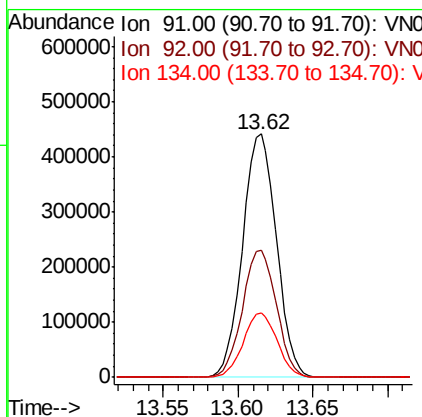
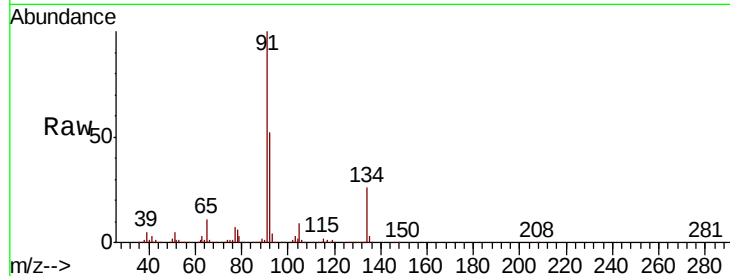
#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	26.5	13.3	39.8

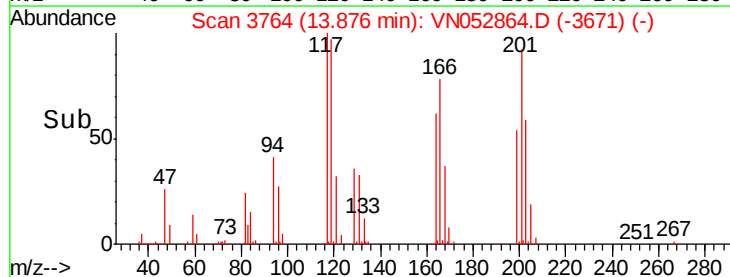
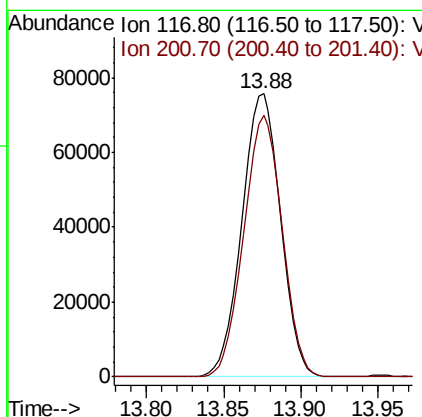
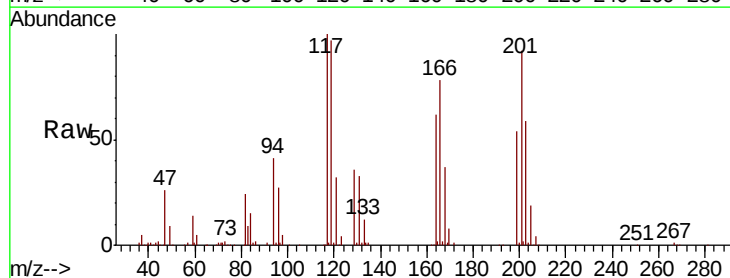
Manual Integrations
APPROVED

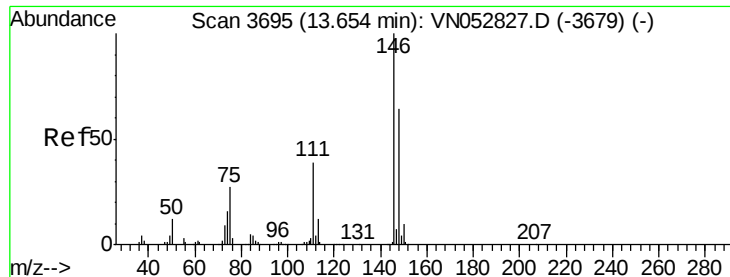
MMDadoda
12/14/2018 9:03:06 AM



#90
Hexachloroethane
Concen: 18.496 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.7	137.1





#91

1,2-Dichlorobenzene

Concen: 19.979 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

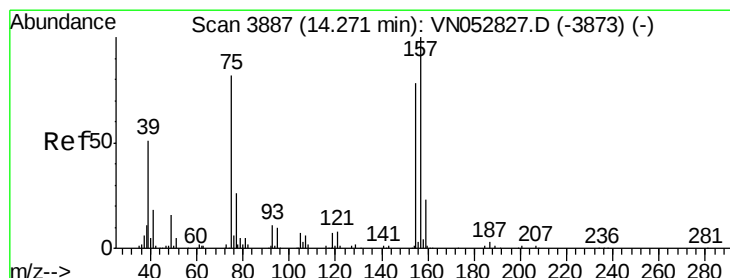
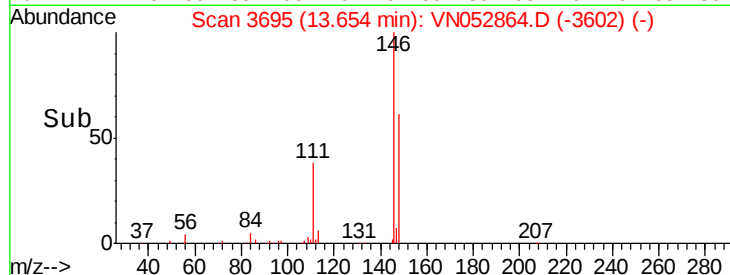
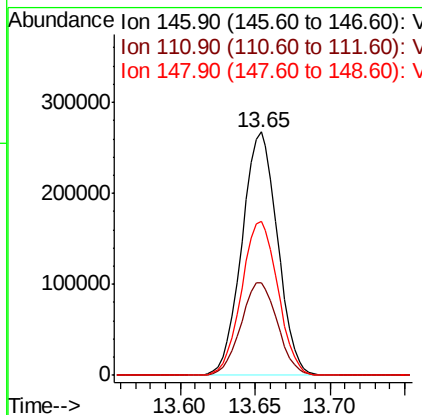
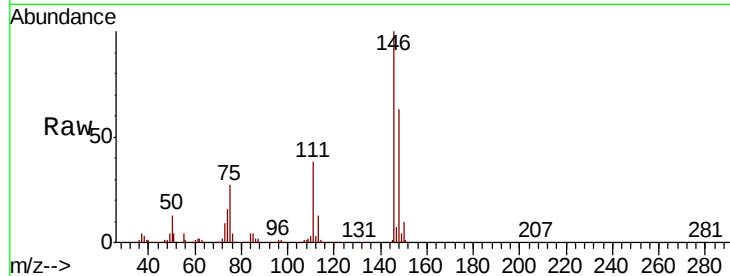
ClientSampleId :

VN1213WBS01

Tot Ion:	146	Resp:	442865
Ion Ratio		Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.6	32.0	96.0

Manual Integrations
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12/14/2018 9:03:06 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.648 ug/l

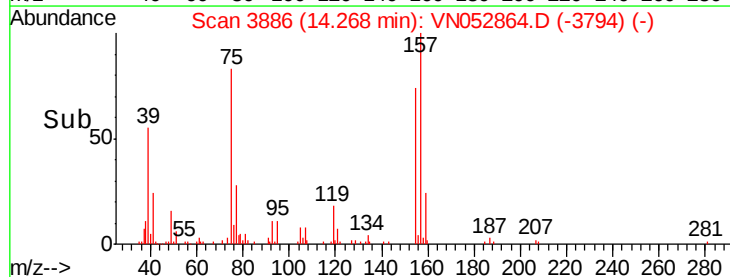
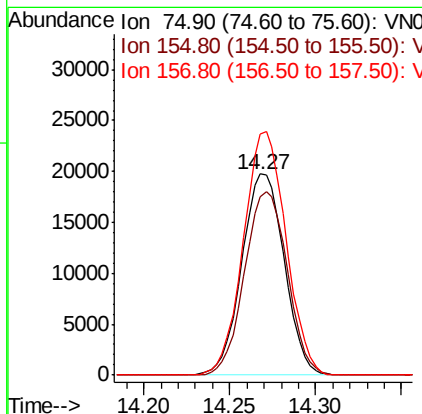
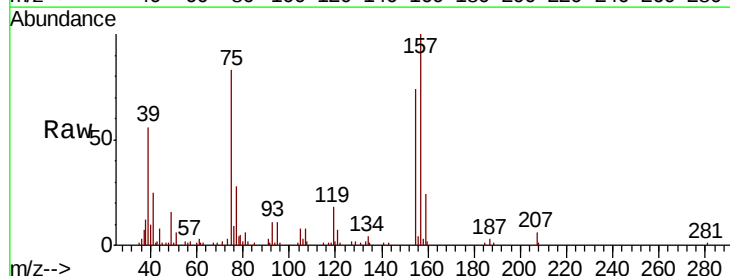
RT: 14.27 min Scan# 3886

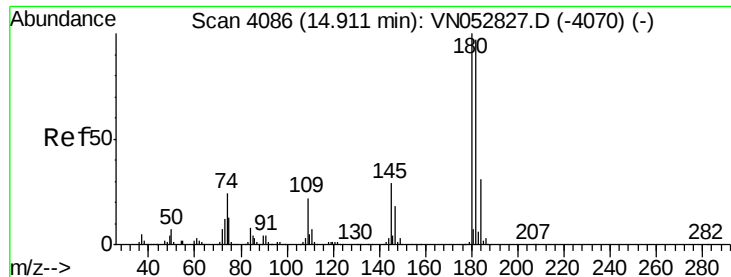
Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	75	Resp:	33840
Ion Ratio		Lower	Upper
75	100		
155	91.8	48.2	144.6
157	121.0	61.2	183.5





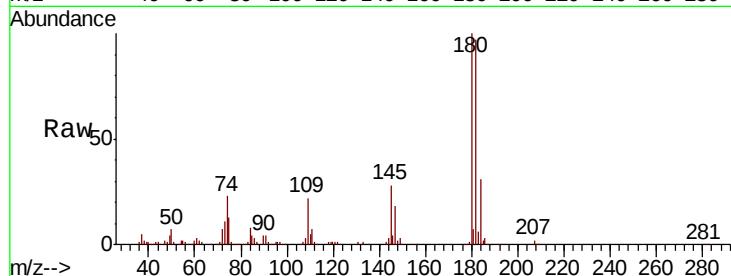
#93
 1,2,4-Trichlorobenzene
 Concen: 19.942 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.8	143.3
145	28.1	14.2	42.6

Manual Integrations
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 12/14/2018 9:03:06 AM

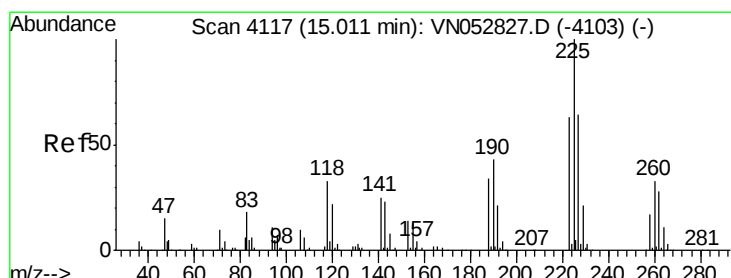
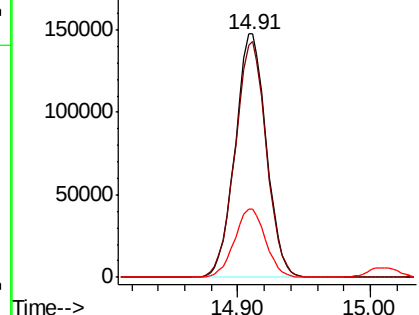
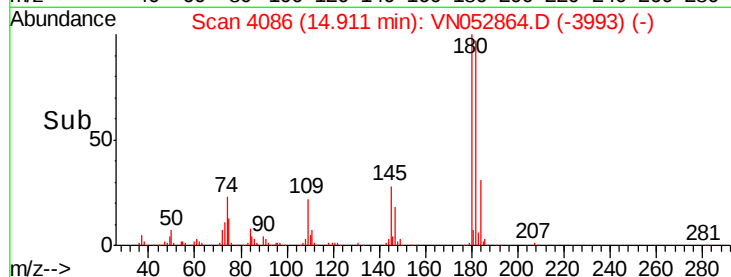


Abundance

Ion 179.80 (179.50 to 180.50): V

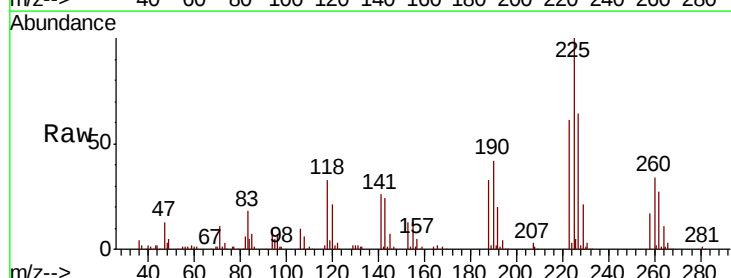
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.425 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.5	94.5
227	63.2	31.9	95.7

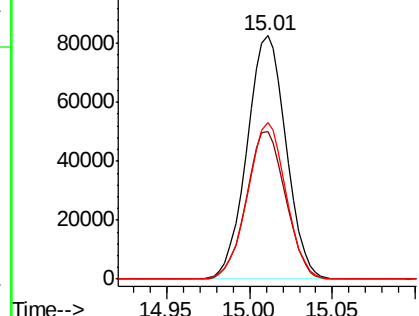
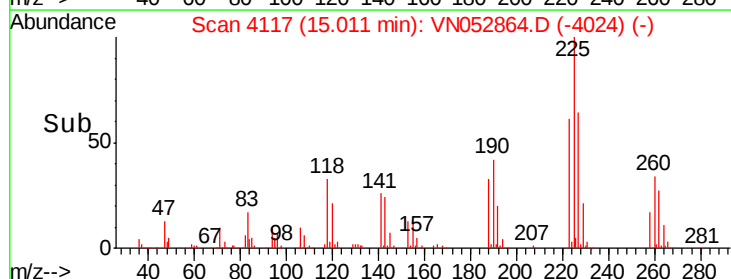


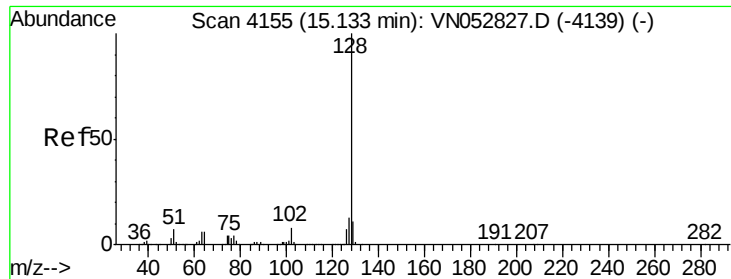
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





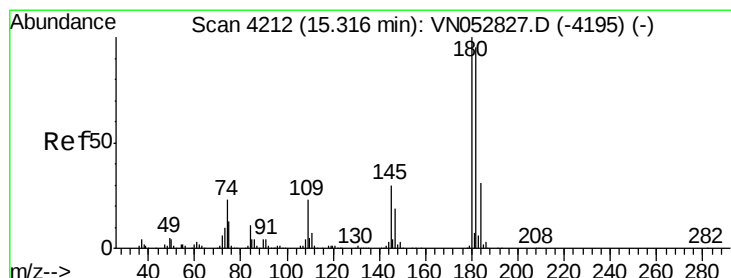
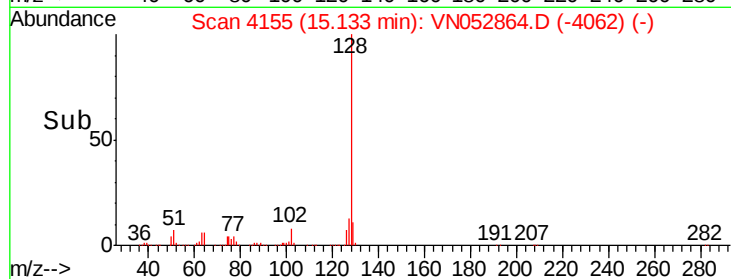
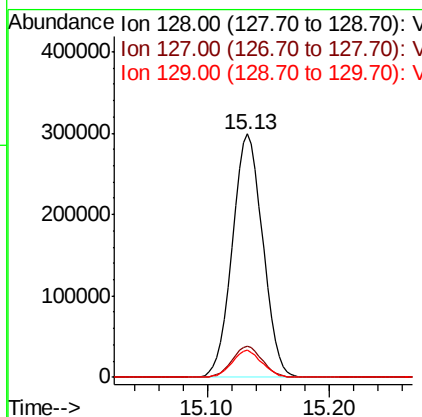
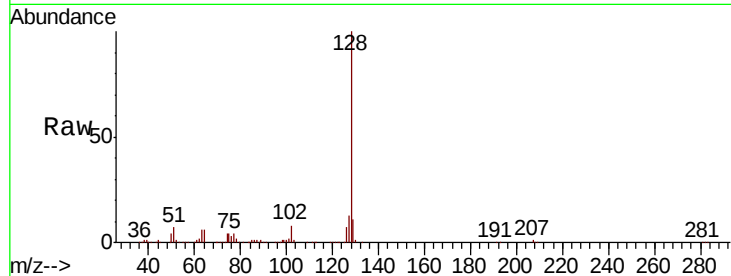
#95
Naphthalene
Concen: 20.745 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.185 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	30.5	15.0	45.0

