

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052893.D
 Acq On : 14 Dec 2018 17:18
 Operator : MD\SY
 Sample : VN1214WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 3:06:00 PM

Quant Time: Dec 15 03:34:48 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	1144211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1766249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	720861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	589501	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.59	113	384776	39.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.06%	
50) Toluene-d8	10.09	98	2120828	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	727417	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	227681	19.330	ug/l	99
3) Chloromethane	2.06	50	273503	19.347	ug/l	99
4) Vinyl Chloride	2.19	62	275444	19.476	ug/l	99
5) Bromomethane	2.58	94	168878	19.360	ug/l	99
6) Chloroethane	2.71	64	165522	19.800	ug/l	99
7) Trichlorofluoromethane	3.03	101	343399	19.584	ug/l	100
8) Diethyl Ether	3.41	74	127861	19.990	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	213963	19.689	ug/l	98
10) Methyl Iodide	3.96	142	305435	20.070	ug/l	99
11) Tert butyl alcohol	4.78	59	63512	93.428	ug/l	100
12) 1,1-Dichloroethene	3.74	96	209196	19.886	ug/l	98
13) Acrolein	3.61	56	21193	33.112	ug/l	99
14) Allyl chloride	4.33	41	319769	18.610	ug/l	99
15) Acrylonitrile	4.99	53	362536	95.061	ug/l	99
16) Acetone	3.82	43	214696	78.573	ug/l	95
17) Carbon Disulfide	4.06	76	599451	18.549	ug/l	99
18) Methyl Acetate	4.33	43	196043	19.549	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	558650	19.561	ug/l	100
20) Methylene Chloride	4.56	84	236713	19.250	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	221357	19.422	ug/l	95
22) Diisopropyl ether	5.95	45	714372	19.488	ug/l	98
23) Vinyl Acetate	5.90	43	2037182	93.397	ug/l	99
24) 1,1-Dichloroethane	5.85	63	414601	19.613	ug/l	99
25) 2-Butanone	6.83	43	373281	88.042	ug/l	96
26) 2,2-Dichloropropane	6.83	77	309737	19.897	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	252863	19.548	ug/l	100
28) Bromochloromethane	7.20	49	185323	19.524	ug/l	98
29) Tetrahydrofuran	7.21	42	270694	93.522	ug/l	98
30) Chloroform	7.37	83	406279	19.709	ug/l	100
31) Cyclohexane	7.66	56	398104	18.950	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	340952	19.769	ug/l	99
36) 1,1-Dichloropropene	7.80	75	313733	19.289	ug/l	99
37) Ethyl Acetate	6.93	43	180492	18.473	ug/l	99
38) Carbon Tetrachloride	7.78	117	292285	19.523	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380429	19.060	ug/l	99
40) Benzene	8.04	78	959642	19.658	ug/l	99
41) Methacrylonitrile	7.17	41	107531	19.862	ug/l	94
42) 1,2-Dichloroethane	8.13	62	283756	19.308	ug/l	99
43) Isopropyl Acetate	8.16	43	358664	17.904	ug/l	99
44) Trichloroethene	8.84	130	278873	21.149	ug/l	97
45) 1,2-Dichloropropane	9.12	63	249349	19.501	ug/l	100
46) Dibromomethane	9.21	93	142938	19.276	ug/l	98
47) Bromodichloromethane	9.40	83	302269	19.657	ug/l	97
48) Methyl methacrylate	9.20	41	171052	19.470	ug/l	99
49) 1,4-Dioxane	9.20	88	39586	396.968	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	881389	95.950	ug/l	99
52) Toluene	10.16	92	591154	19.994	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	307770	19.890	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	364461	19.766	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	206503	19.566	ug/l	99
56) Ethyl methacrylate	10.43	69	266788	19.697	ug/l	99
57) 1,3-Dichloropropane	10.71	76	355079	19.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	751760	99.469	ug/l	100
59) 2-Hexanone	10.75	43	589770	93.684	ug/l	99
60) Dibromochloromethane	10.90	129	223452	19.590	ug/l	99
61) 1,2-Dibromoethane	11.01	107	203044	19.462	ug/l	99
64) Tetrachloroethene	10.63	164	333547	24.614	ug/l	99
65) Chlorobenzene	11.43	112	643382	19.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	225732	19.842	ug/l	100
67) Ethyl Benzene	11.51	91	1118783	19.916	ug/l	100
68) m/p-Xylenes	11.62	106	845766	40.097	ug/l	99
69) o-Xylene	11.95	106	414622	20.130	ug/l	100
70) Styrene	11.96	104	674231	20.363	ug/l	100
71) Bromoform	12.13	173	148769	19.249	ug/l #	97
73) Isopropylbenzene	12.25	105	1087988	20.215	ug/l	99
74) N-amyl acetate	12.07	43	298320	20.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	191672	15.890	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202169m	19.009	ug/l	
77) Bromobenzene	12.53	156	278311	20.330	ug/l	98
78) n-propylbenzene	12.59	91	1238419	20.175	ug/l	100
79) 2-Chlorotoluene	12.67	91	737079	20.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	880306	20.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	67168	20.288	ug/l	98
82) 4-Chlorotoluene	12.77	91	740887	19.968	ug/l	100
83) tert-Butylbenzene	12.99	119	770498	20.103	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	880649	20.022	ug/l	100
85) sec-Butylbenzene	13.17	105	1046645	20.165	ug/l	100
86) p-Isopropyltoluene	13.29	119	901955	20.057	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	477884	19.644	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	474003	19.675	ug/l	99
89) n-Butylbenzene	13.62	91	740125	19.551	ug/l	100
90) Hexachloroethane	13.88	117	133022	17.666	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	453032	19.359	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33873	18.629	ug/l	98

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ClientSampleId :
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Manual Integrations
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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	232404	18.270	ug/l	100
94) Hexachlorobutadiene	15.01	225	137247	18.641	ug/l	99
95) Naphthalene	15.13	128	492870	18.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	204286	17.502	ug/l	99

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

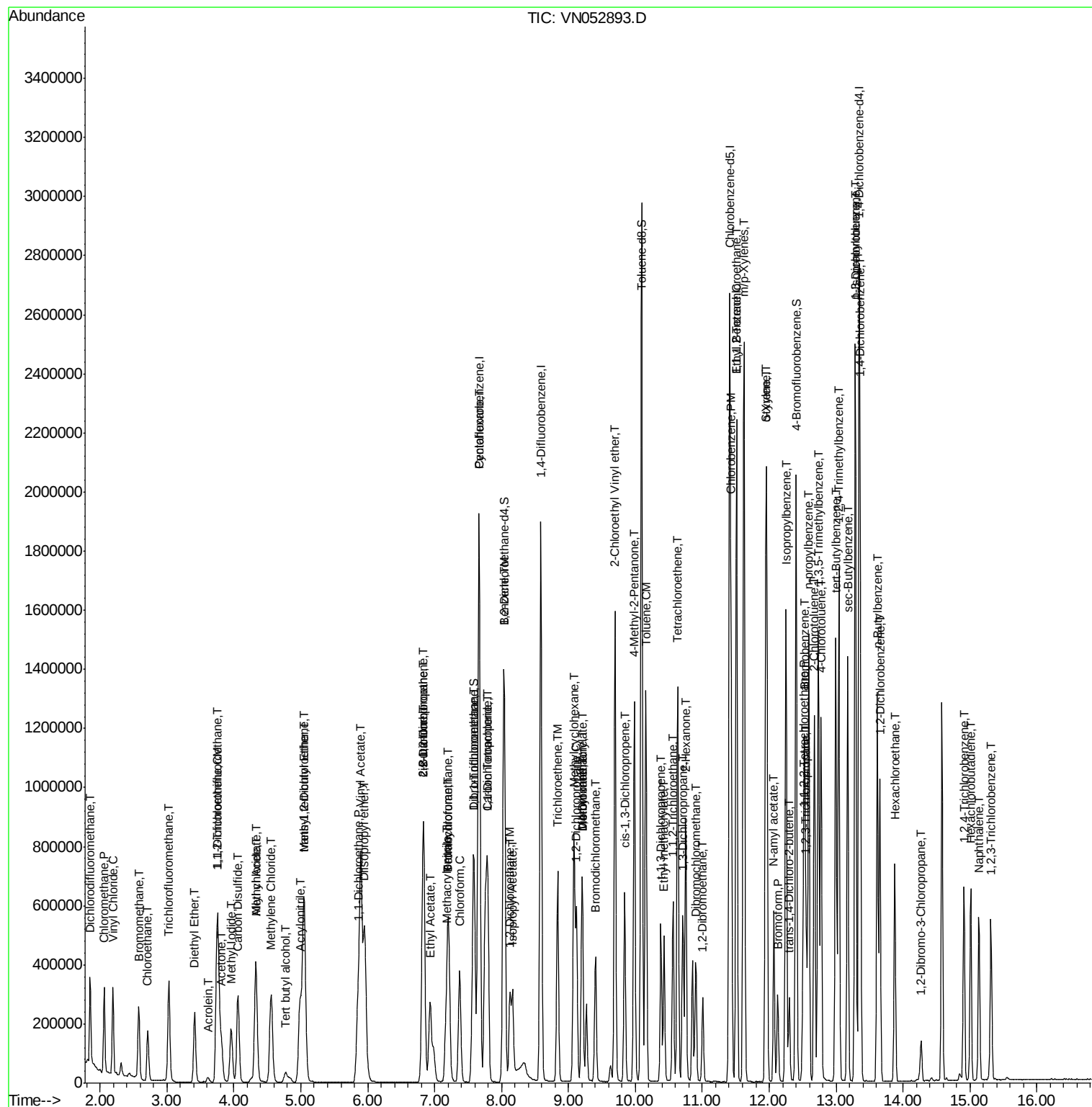
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
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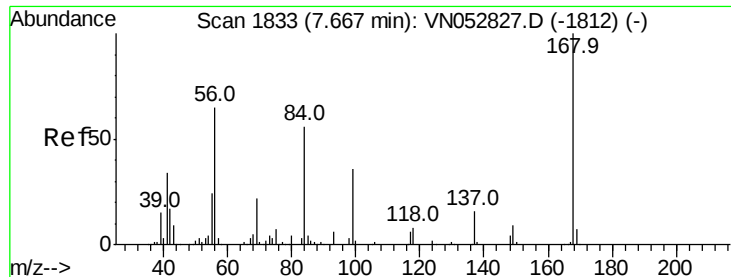
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion:168 Resp: 1144211

Ion Ratio Lower Upper

168 100

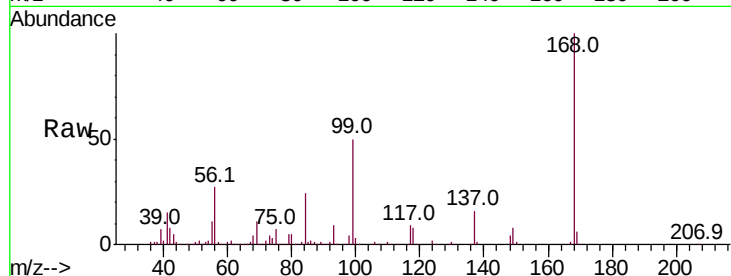
99 50.4 40.2 60.2

Manual Integrations

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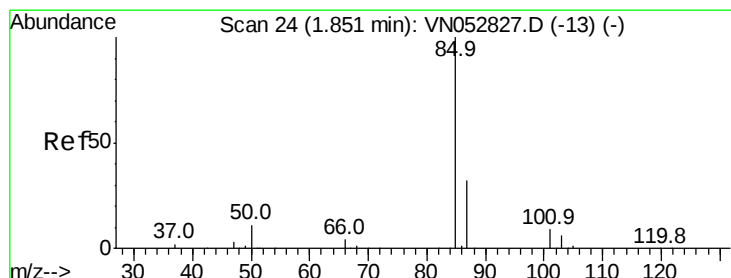
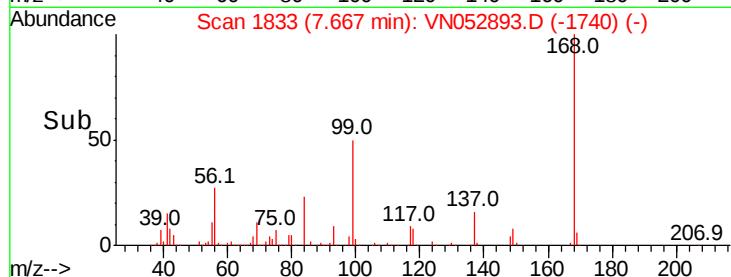
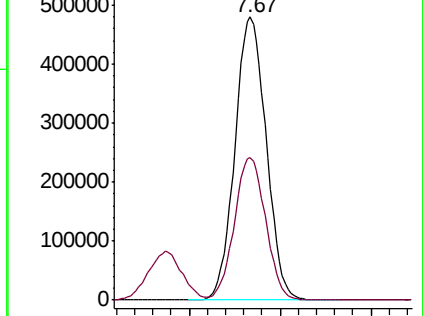
MMDadoda

12/17/2018 3:06:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.330 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052893.D

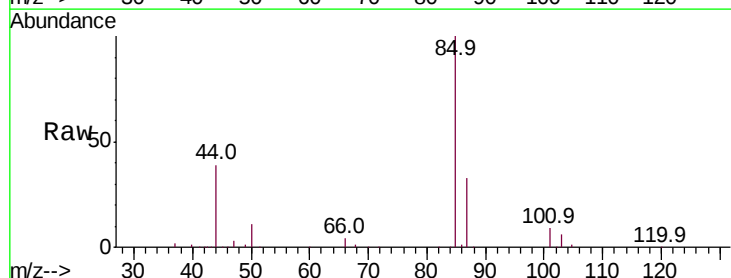
Acq: 14 Dec 2018 17:18

Tgt Ion: 85 Resp: 227681

Ion Ratio Lower Upper

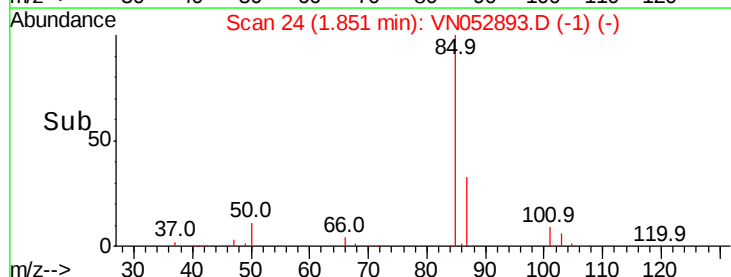
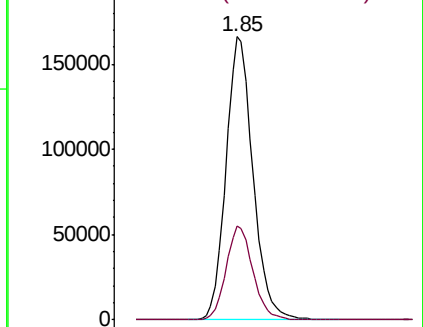
85 100

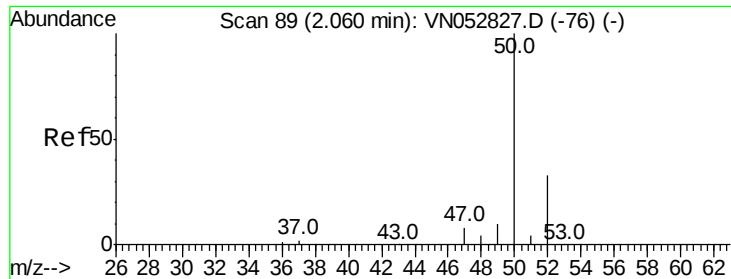
87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.347 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 50 Resp: 273503

Ion Ratio Lower Upper

50 100

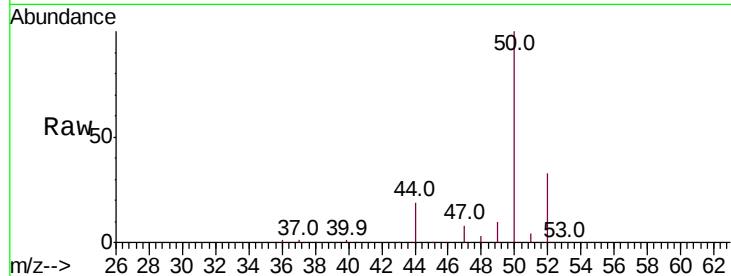
52 33.5 26.2 39.4

Manual Integrations

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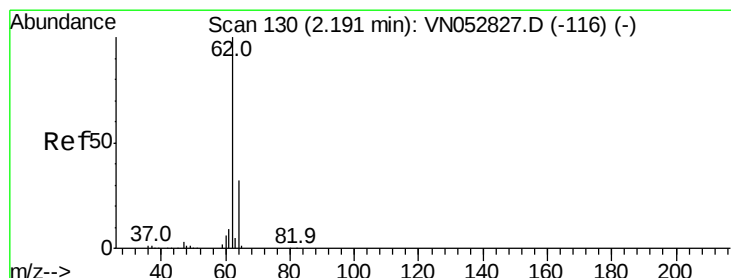
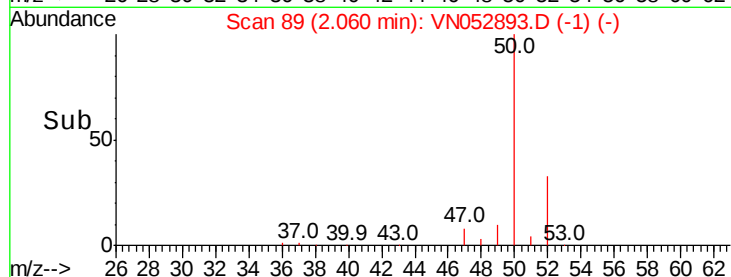
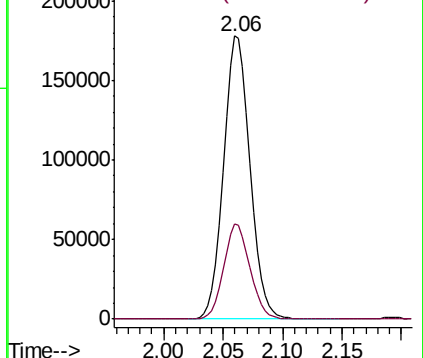
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.476 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052893.D

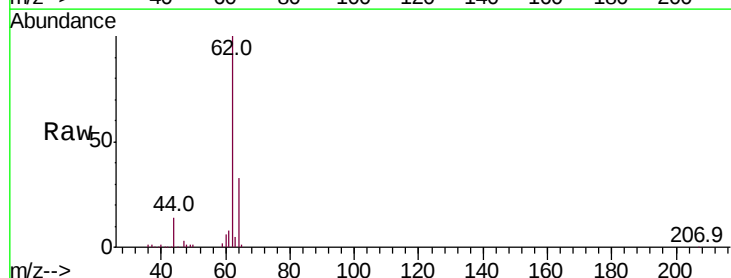
Acq: 14 Dec 2018 17:18

Tgt Ion: 62 Resp: 275444

Ion Ratio Lower Upper

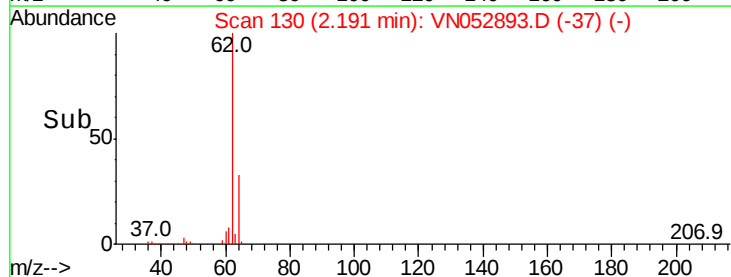
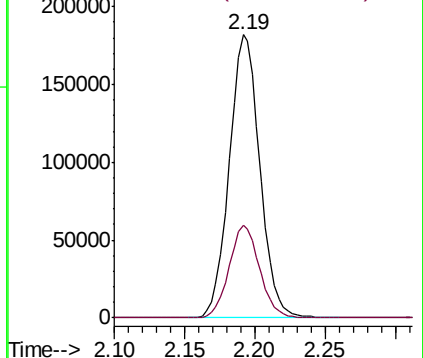
62 100

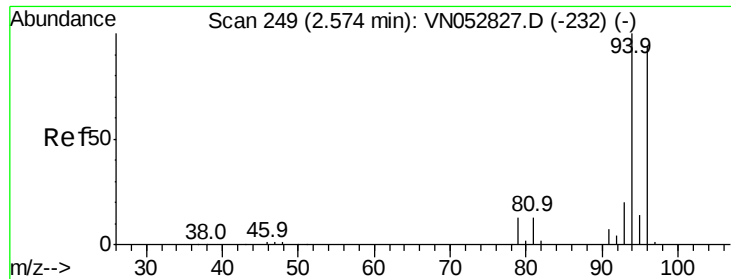
64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





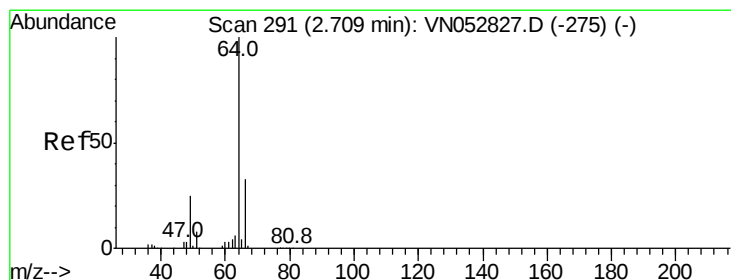
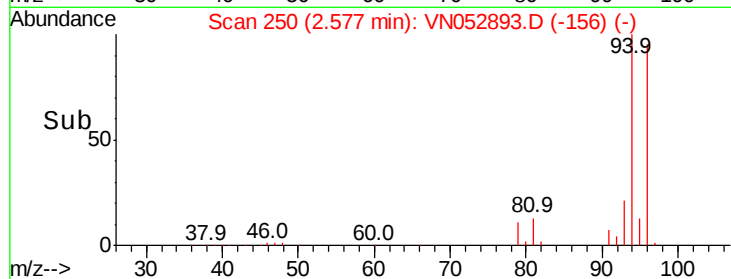
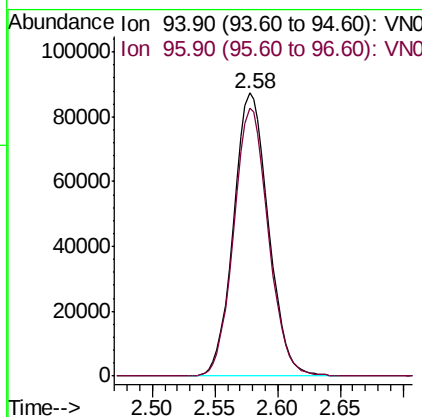
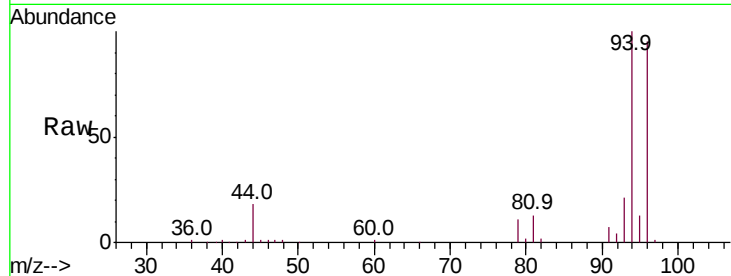
#5
Bromomethane
Concen: 19.360 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
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Tot Ion: 94 Resp: 168878
Ion Ratio Lower Upper
94 100
96 94.6 75.0 112.4

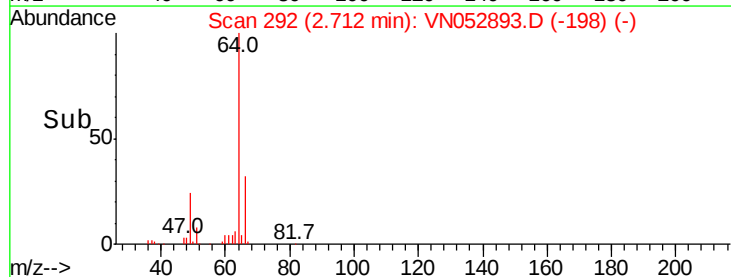
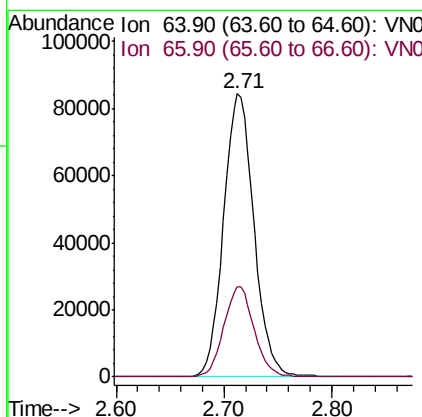
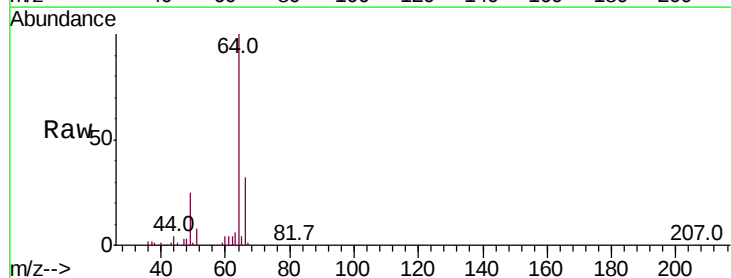
Manual Integrations
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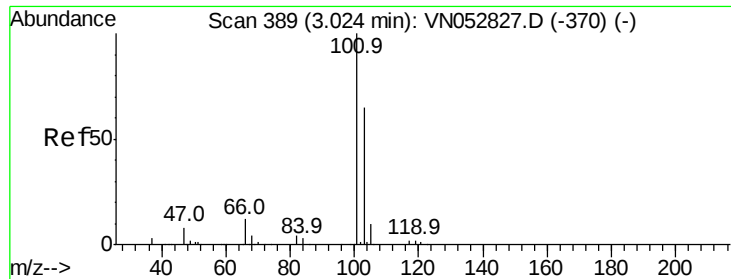
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#6
Chloroethane
Concen: 19.800 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion: 64 Resp: 165522
Ion Ratio Lower Upper
64 100
66 32.0 26.2 39.2





#7

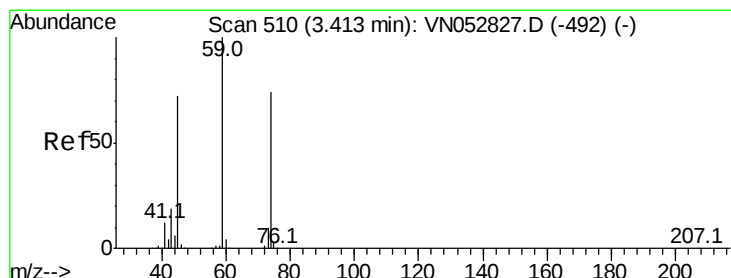
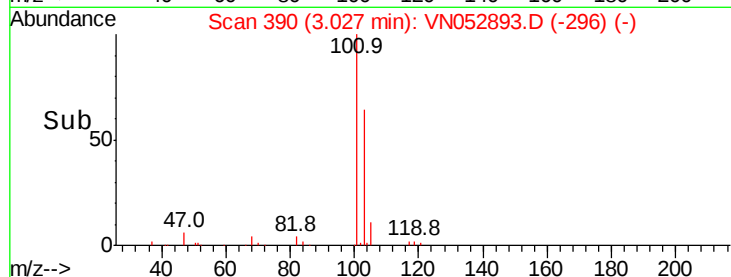
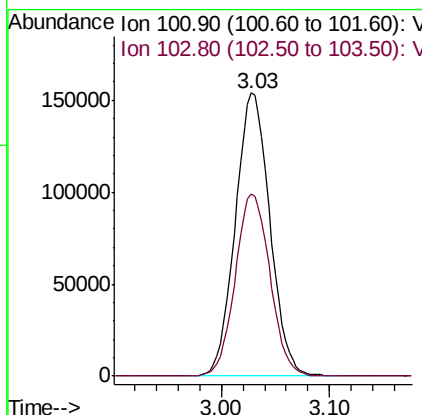
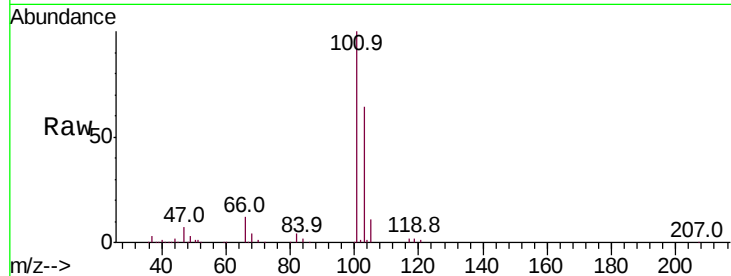
Trichlorofluoromethane
Concen: 19.584 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
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ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.6

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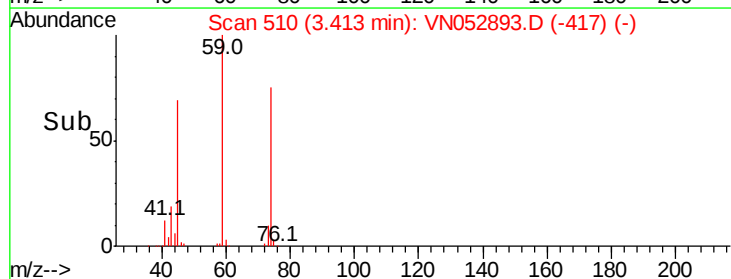
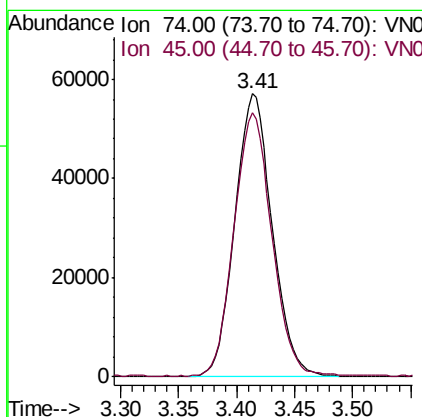
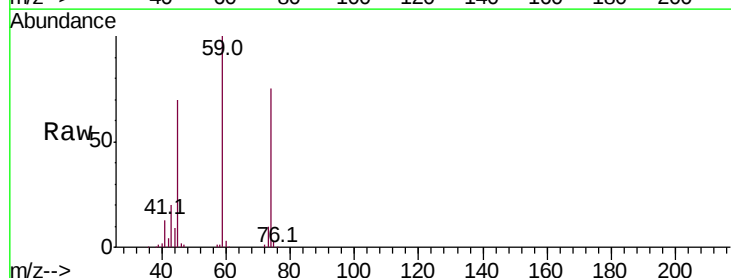
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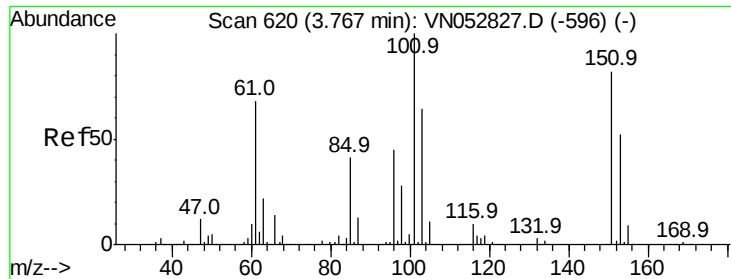


#8

Diethyl Ether
Concen: 19.990 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	49.4	148.0





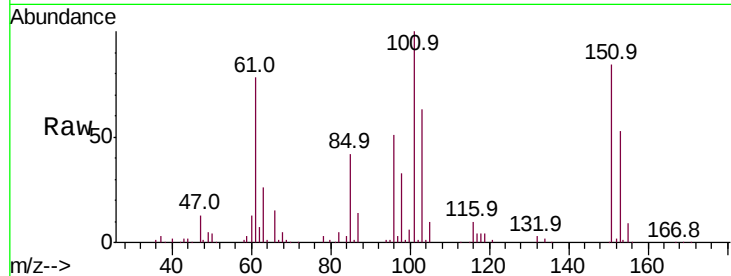
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.689 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	213963		
85	42.0		33.6	50.4
151	84.4		65.5	98.3

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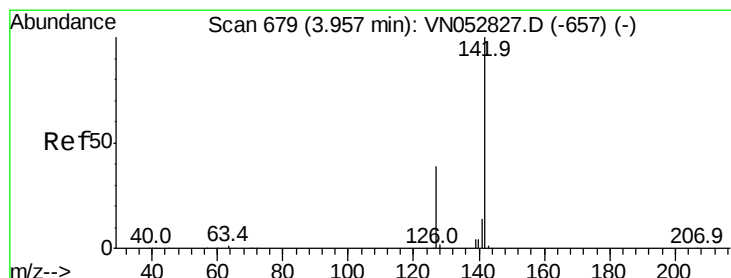
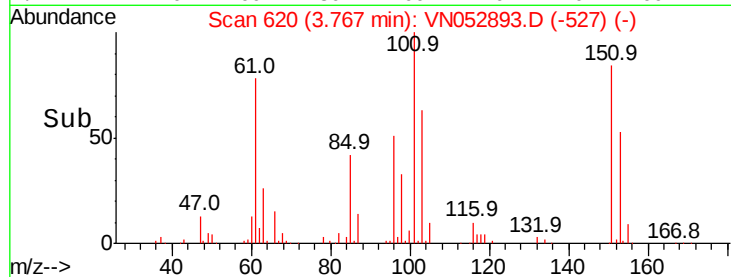
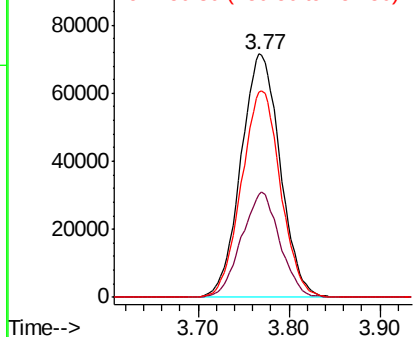


Abundance

Ion 100.90 (100.60 to 101.60): V

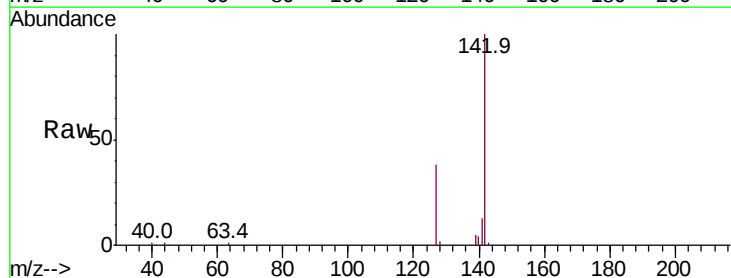
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 20.070 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	305435		
127	38.6		31.0	46.6
141	13.5		11.2	16.8

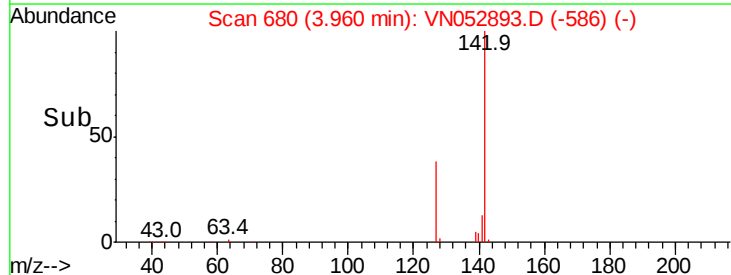
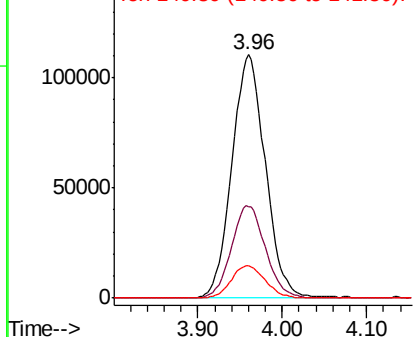


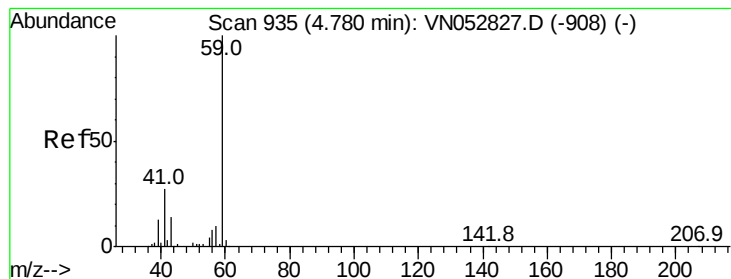
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

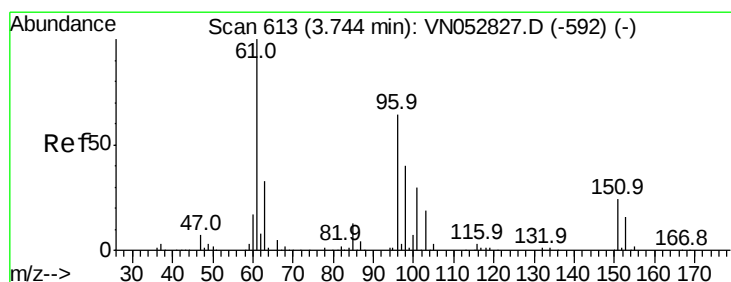
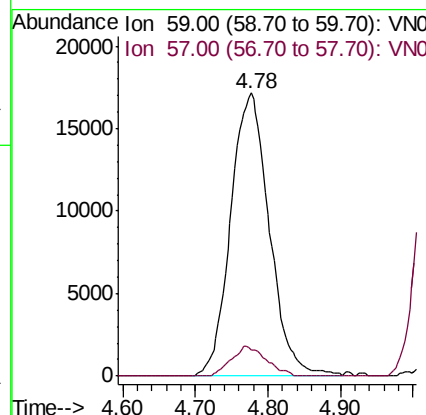
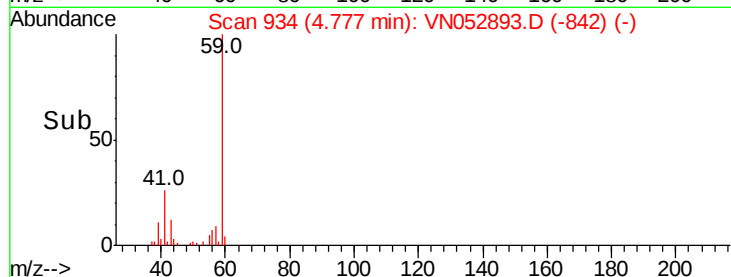
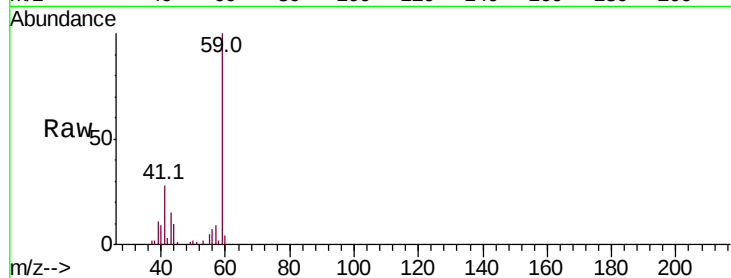
Tert butyl alcohol
Concen: 93.428 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

Manual Integrations
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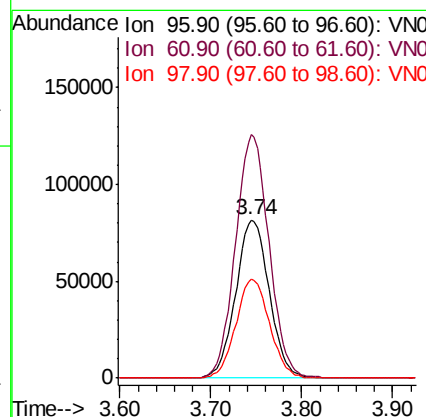
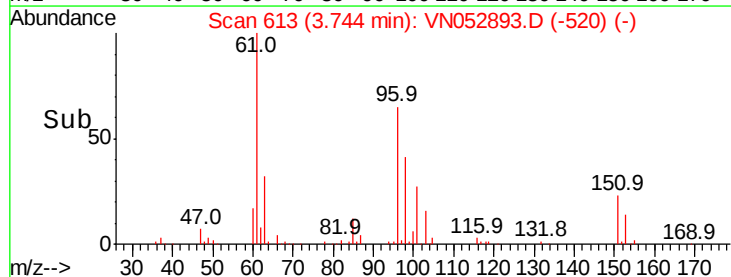
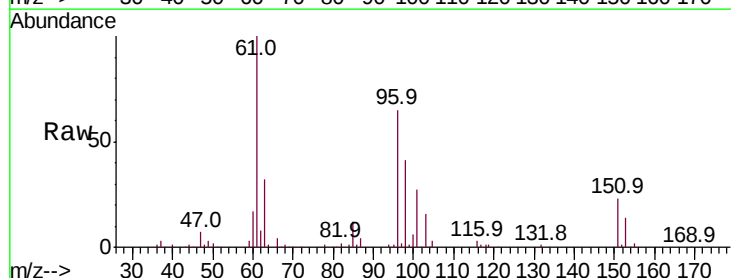
MMDadoda
12/17/2018 3:06:00 PM

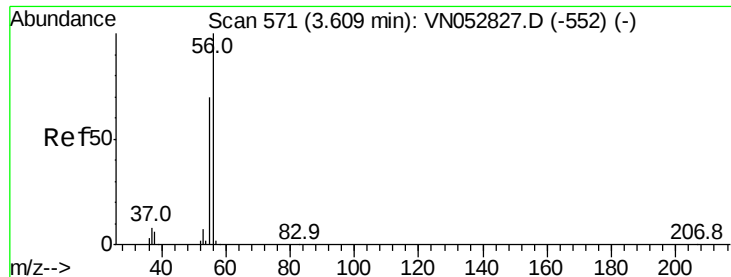


#12

1,1-Dichloroethene
Concen: 19.886 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	125.6	188.4
98	62.8	50.6	75.8





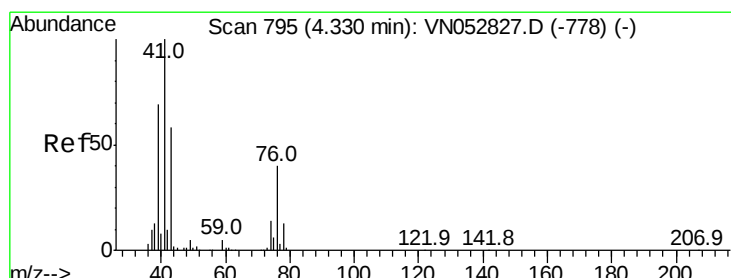
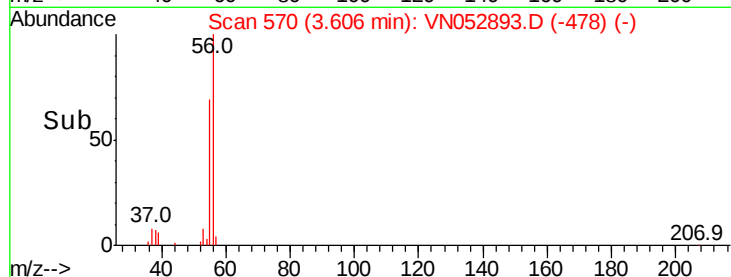
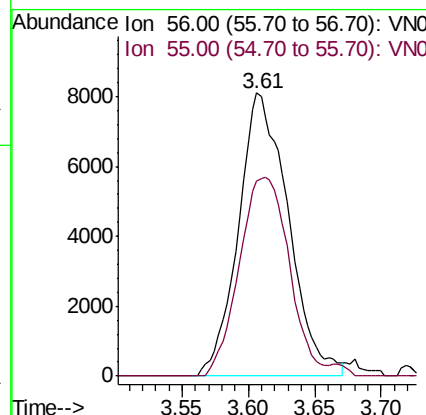
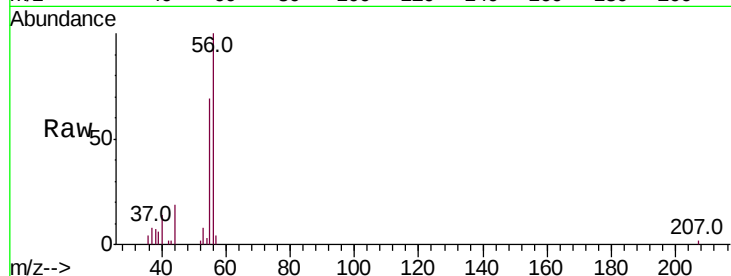
#13
Acrolein
Concen: 33.112 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	56	Resp	21193
Ion Ratio	Lower	Upper	
56	100		
55	70.1	56.6	85.0

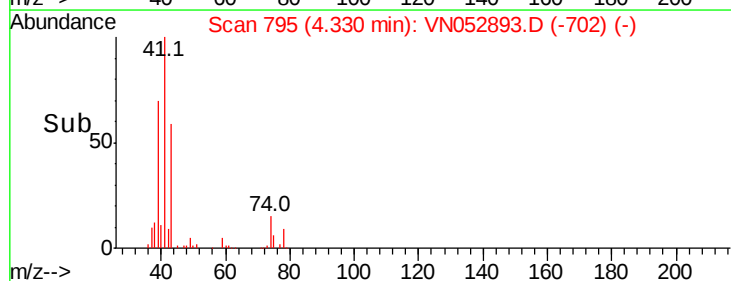
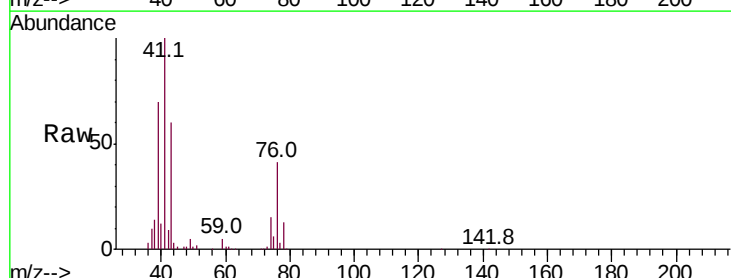
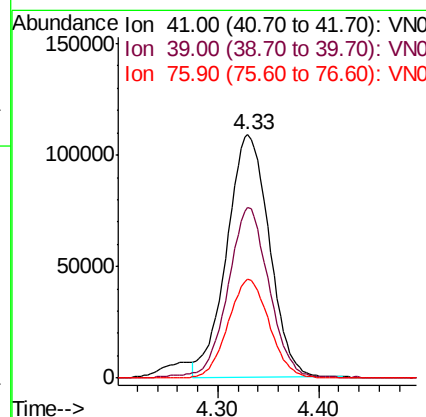
Manual Integrations
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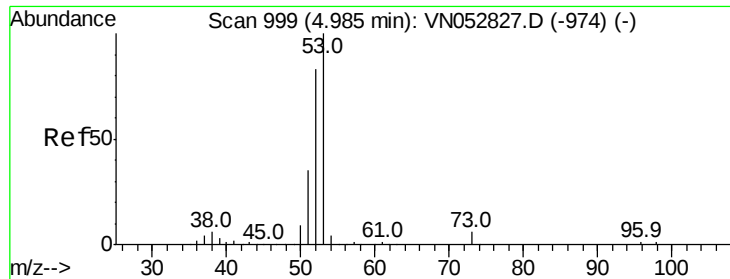
MMDadoda
12/17/2018 3:06:00 PM



#14
Allyl chloride
Concen: 18.610 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	41	Resp	319769
Ion Ratio	Lower	Upper	
41	100		
39	67.6	54.1	81.1
76	38.9	30.3	45.5





#15

Acrylonitrile

Concen: 95.061 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

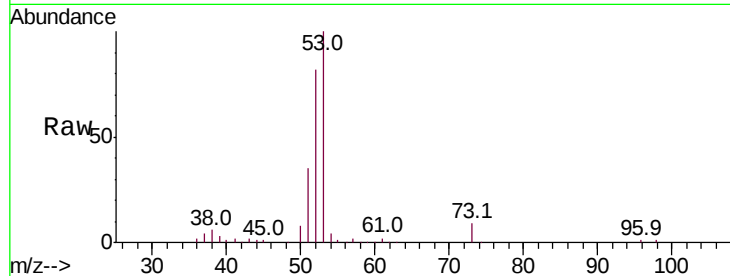
ClientSampleId :

VN1214WBSD02

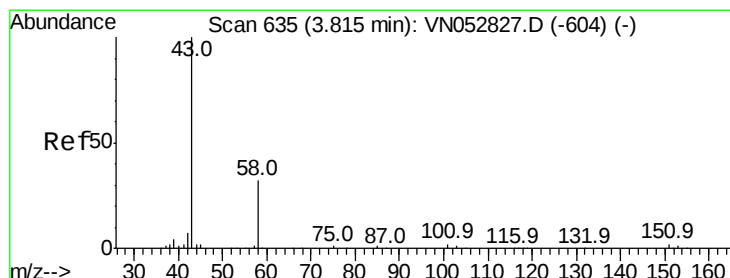
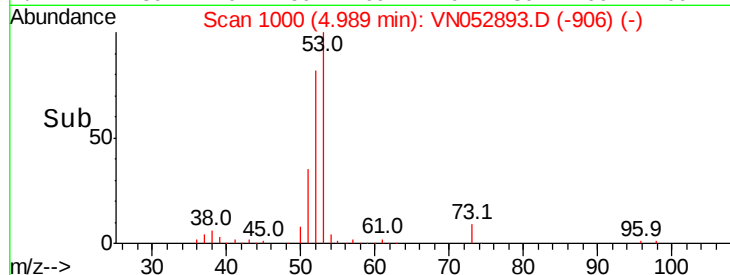
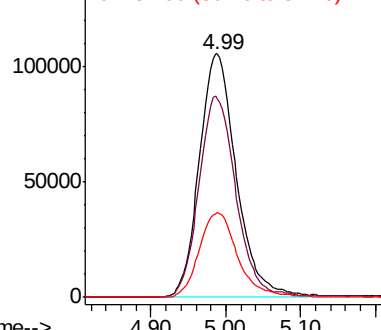
Tot Ion:	53	Resp:	362536
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.1	97.7
51	35.9	28.1	42.1

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN052827.D (-974) (-)



#16

Acetone

Concen: 78.573 ug/l

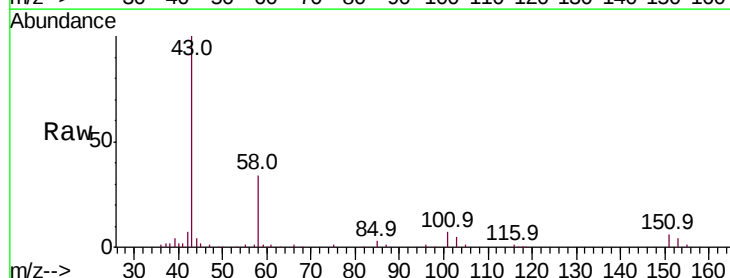
RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

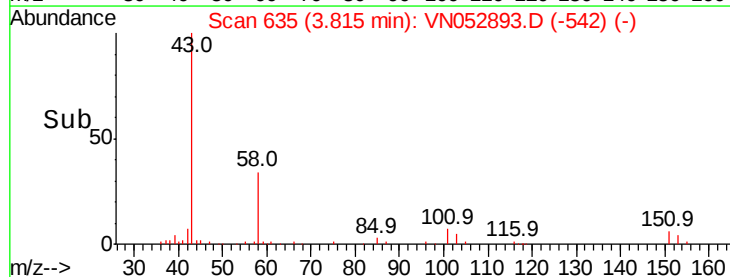
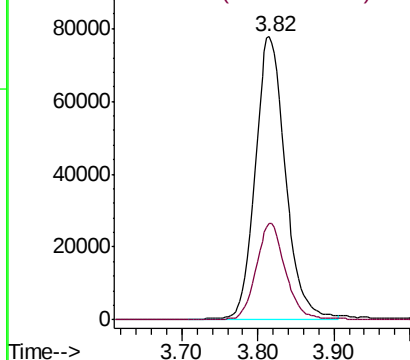
Lab File: VN052893.D

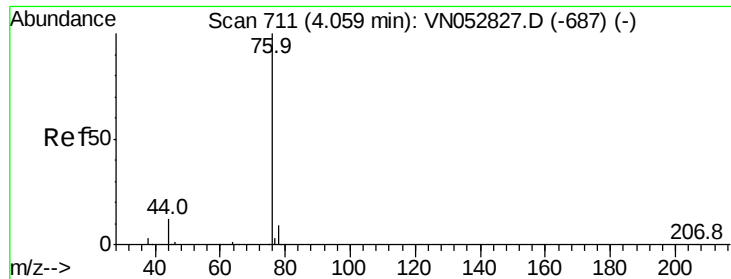
Acq: 14 Dec 2018 17:18

Tgt Ion:	43	Resp:	214696
Ion Ratio	Lower	Upper	
43	100		
58	34.3	25.4	38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)





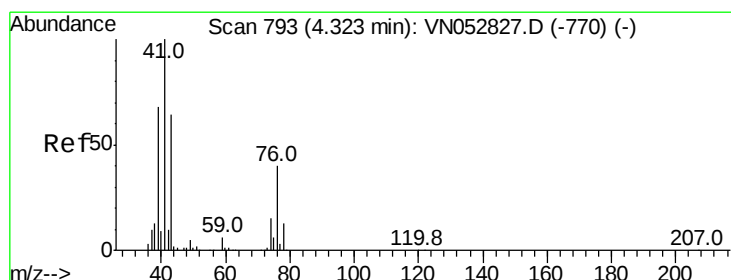
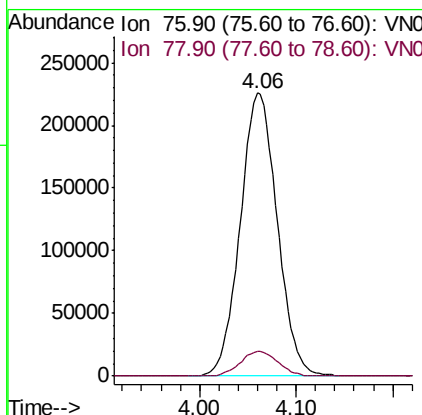
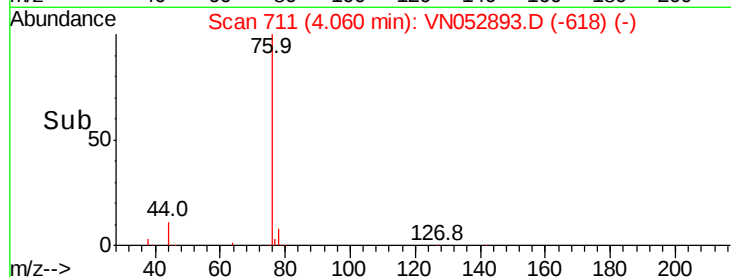
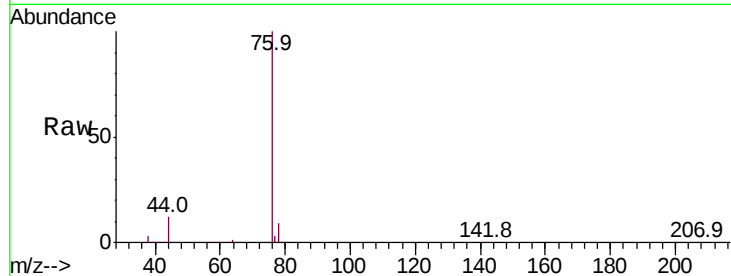
#17
Carbon Disulfide
Concen: 18.549 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

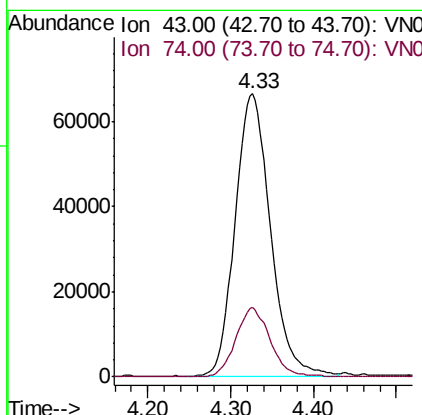
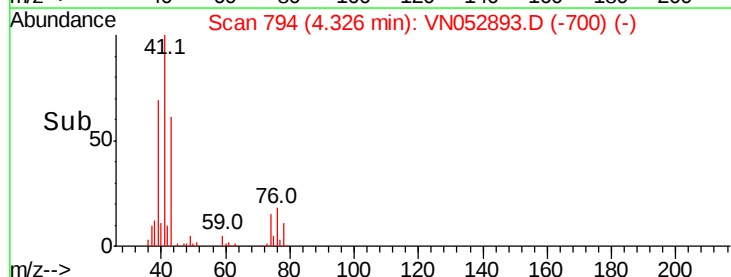
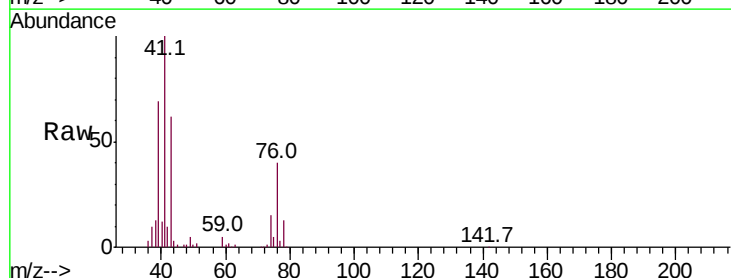
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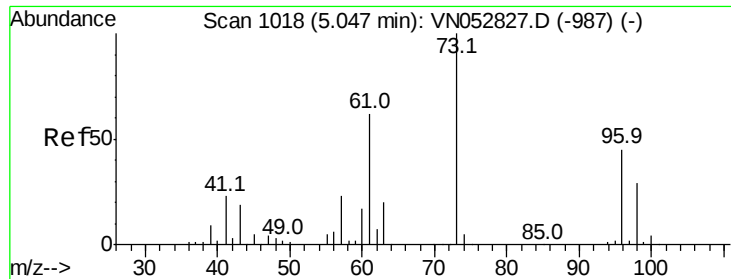
MMDadoda
12/17/2018 3:06:00 PM



#18
Methyl Acetate
Concen: 19.549 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





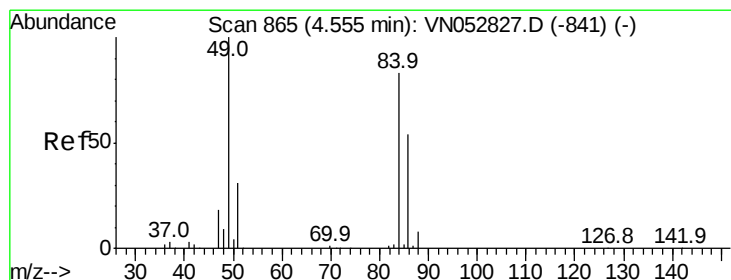
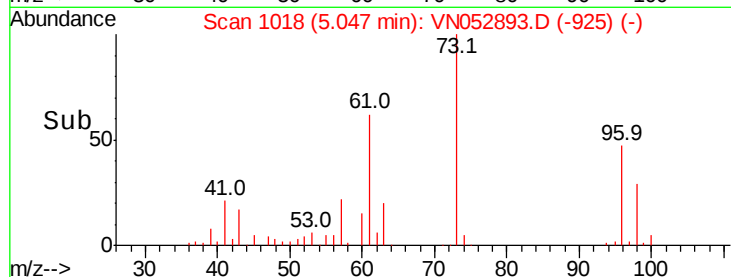
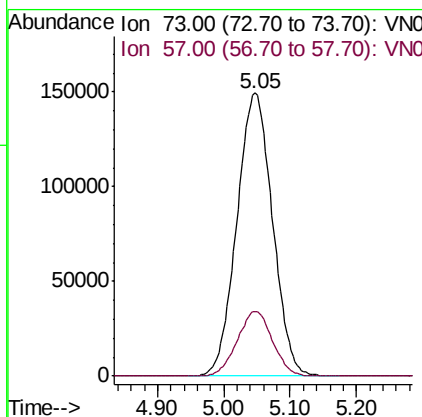
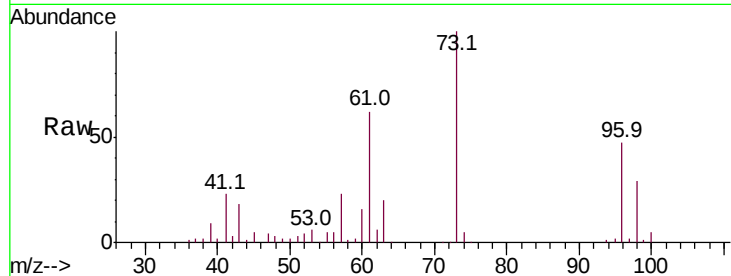
#19
Methvl tert-butvl Ether
Concen: 19.561 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion: 73 Resp: 558650
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

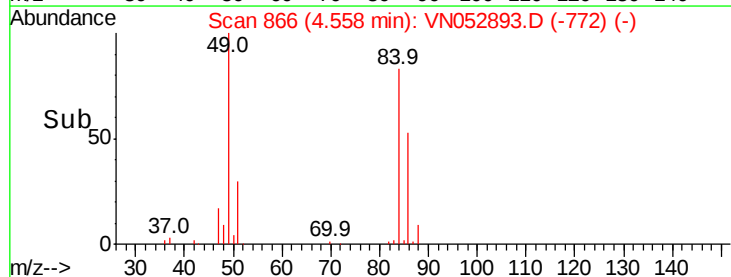
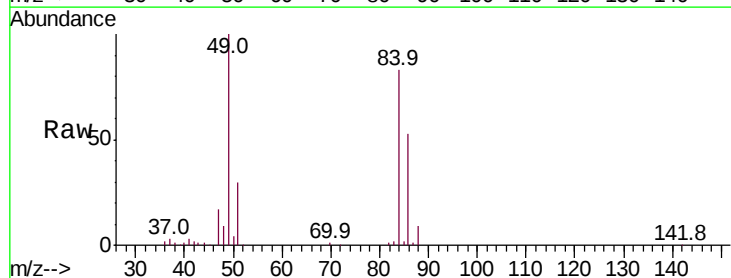
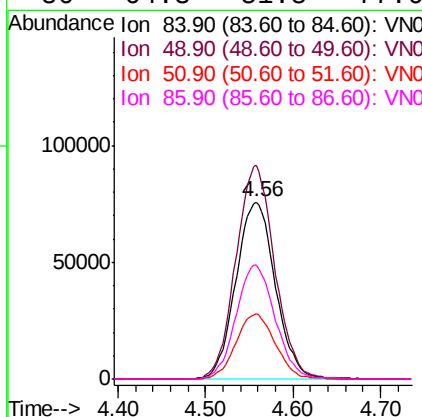
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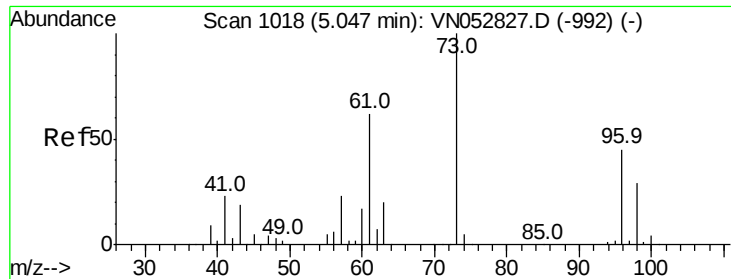
MMDadoda
12/17/2018 3:06:00 PM



#20
Methylene Chloride
Concen: 19.250 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion: 84 Resp: 236713
Ion Ratio Lower Upper
84 100
49 120.7 96.8 145.2
51 36.7 29.9 44.9
86 64.3 51.8 77.6





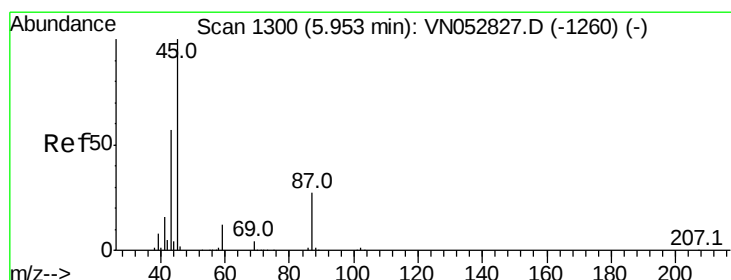
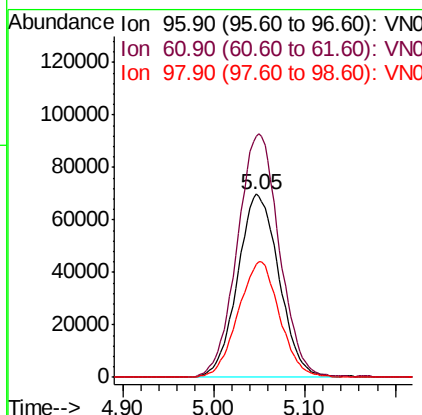
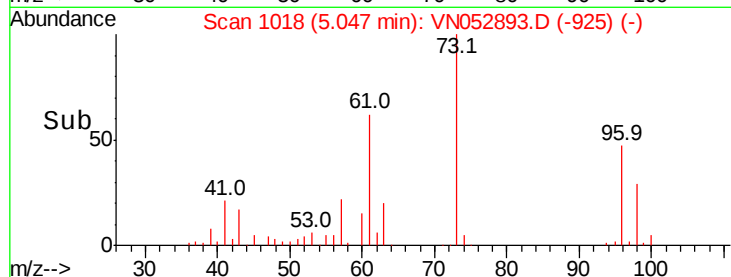
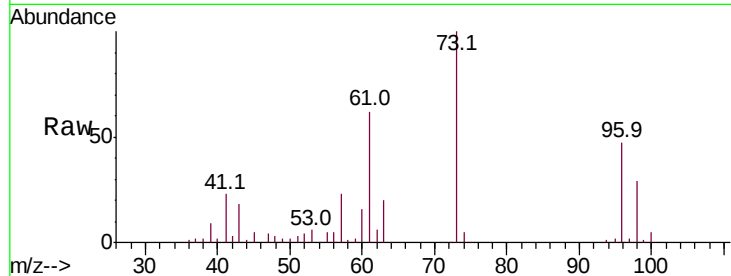
#21
trans-1,2-Dichloroethene
Concen: 19.422 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	110.8	166.2
98	61.9	51.4	77.2

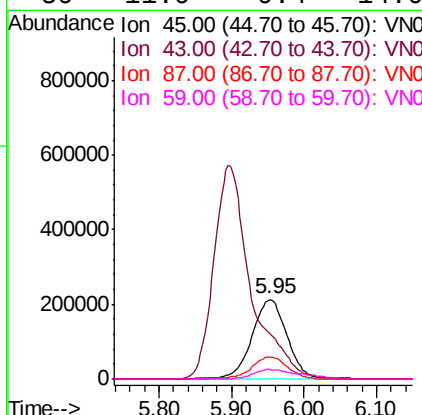
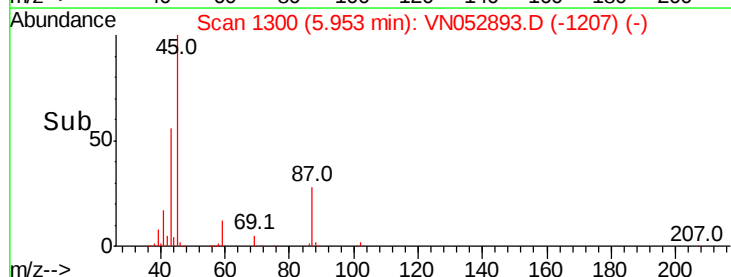
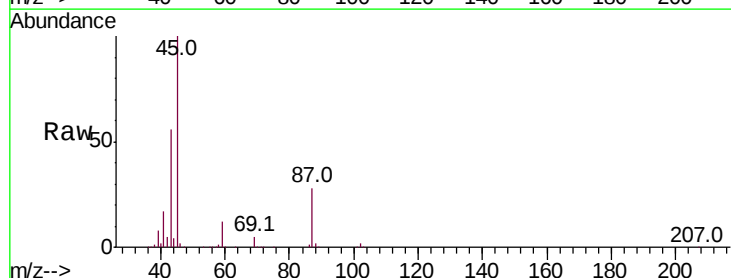
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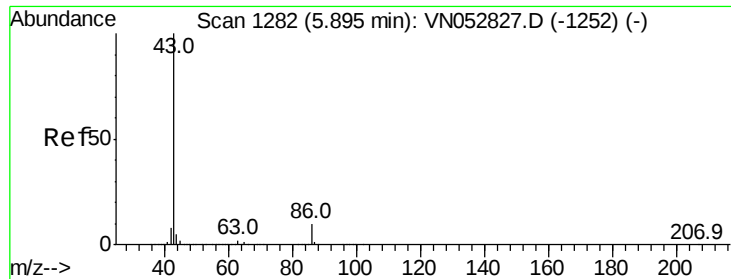
MMDadoda
12/17/2018 3:06:00 PM



#22
Diisopropyl ether
Concen: 19.488 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	45.5	68.3
87	28.1	22.0	33.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 93.397 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 43 Resp: 2037182

Ion Ratio Lower Upper

43 100

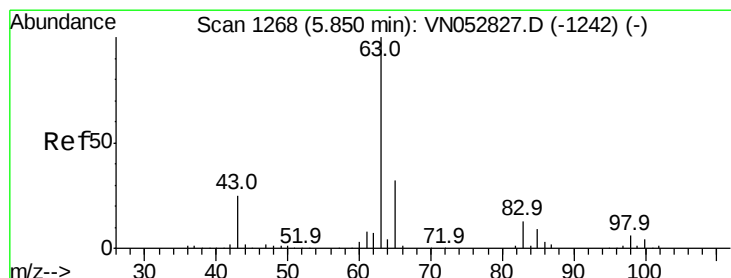
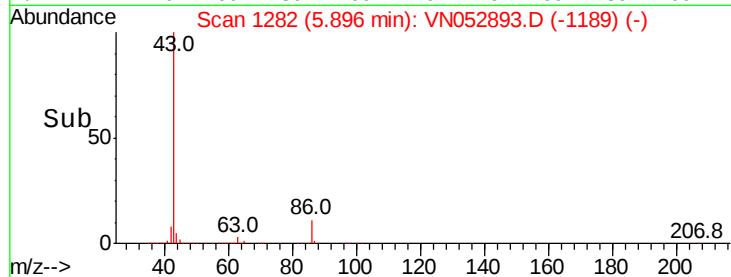
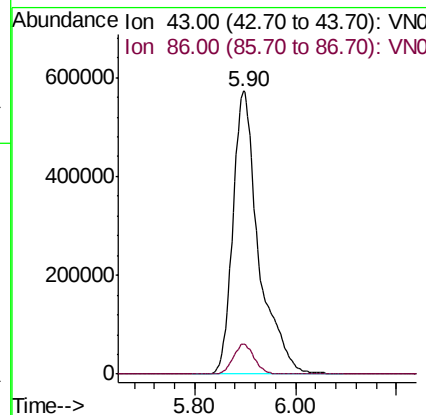
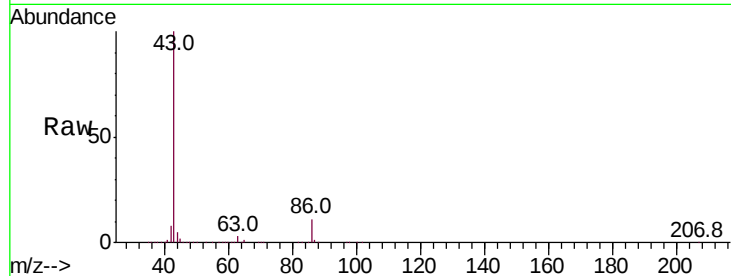
86 10.6 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

12/17/2018 3:06:00 PM



#24

1,1-Dichloroethane

Concen: 19.613 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

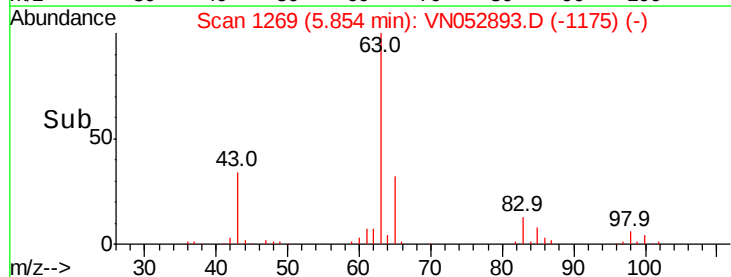
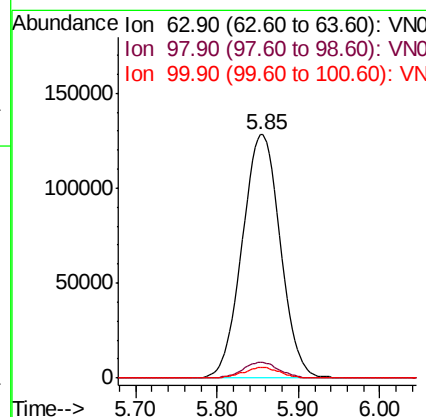
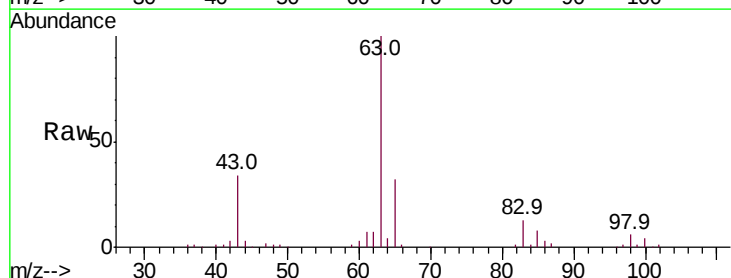
Tgt Ion: 63 Resp: 414601

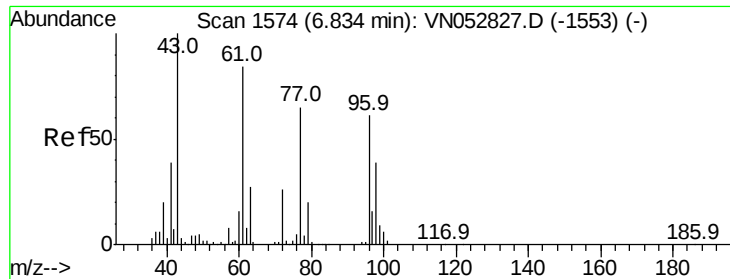
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 4.4 2.0 5.8





#25

2-Butanone

Concen: 88.042 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 43 Resp: 373281

Ion Ratio Lower Upper

43 100

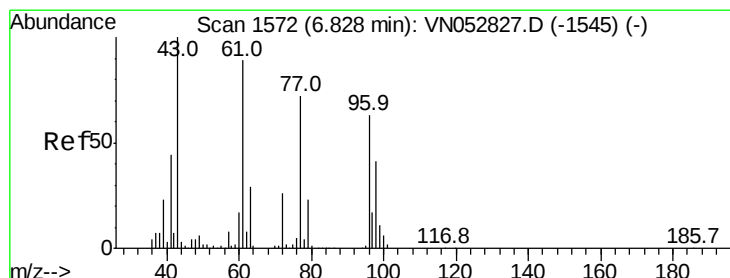
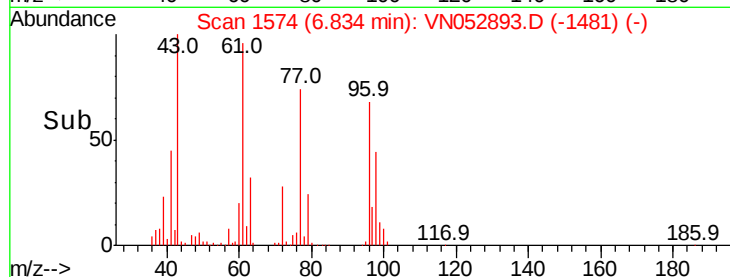
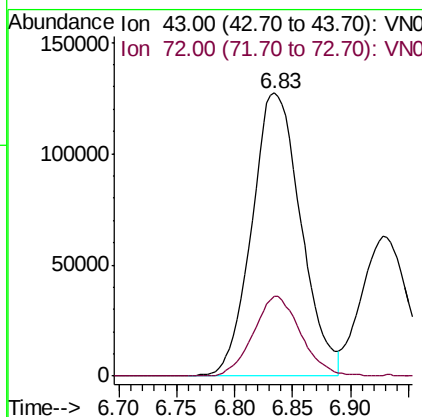
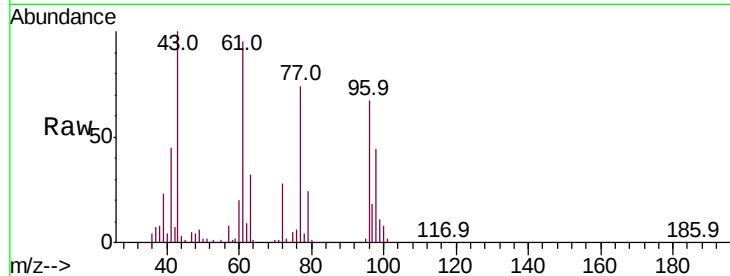
72 28.1 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 19.897 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052893.D

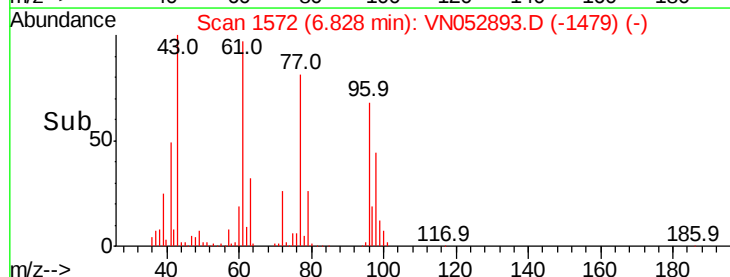
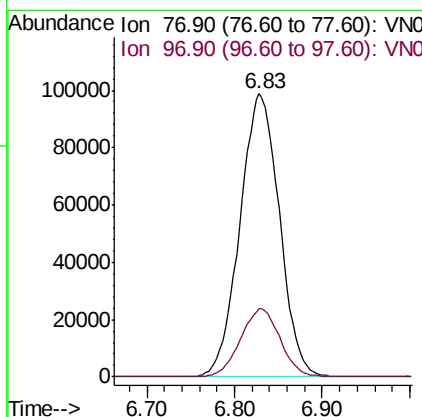
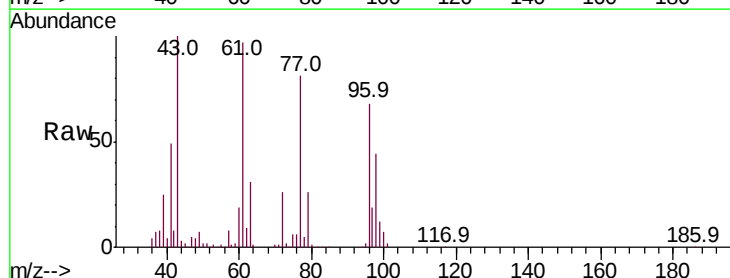
Acq: 14 Dec 2018 17:18

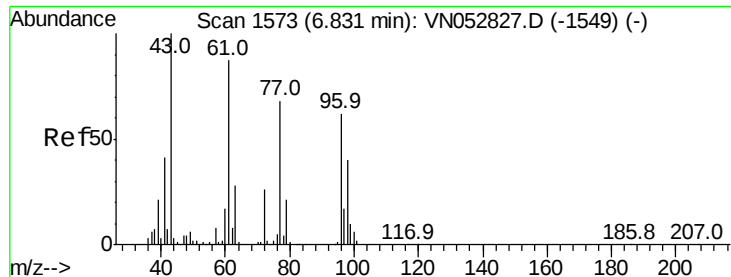
Tgt Ion: 77 Resp: 309737

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.548 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

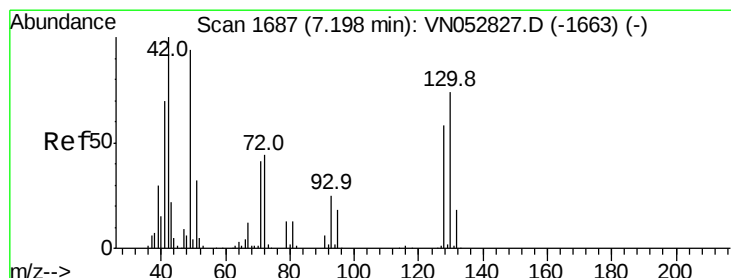
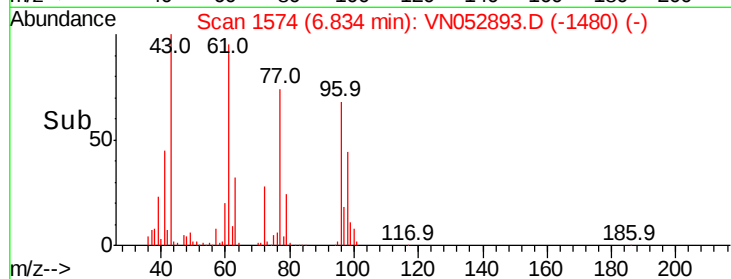
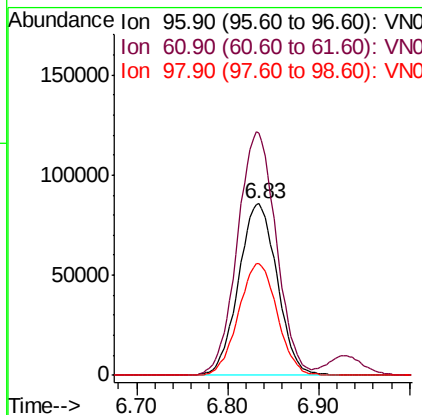
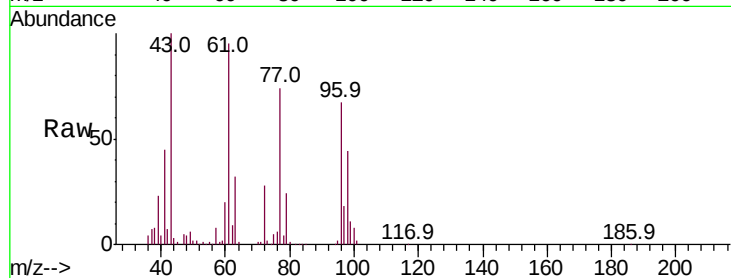
ClientSampleId :

VN1214WBSD02

Tot Ion:	96	Resp:	252863
Ion Ratio	Lower	Upper	
96	100		
61	142.4	0.0	284.2
98	65.3	0.0	129.2

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#28

Bromochloromethane

Concen: 19.524 ug/l

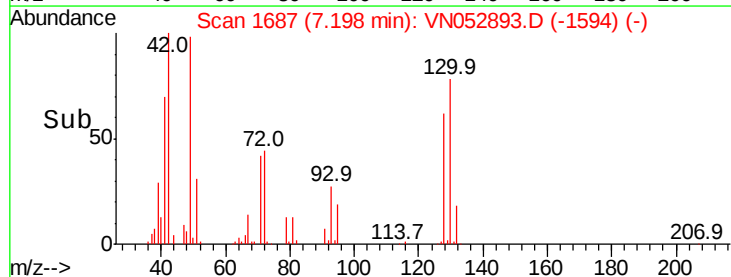
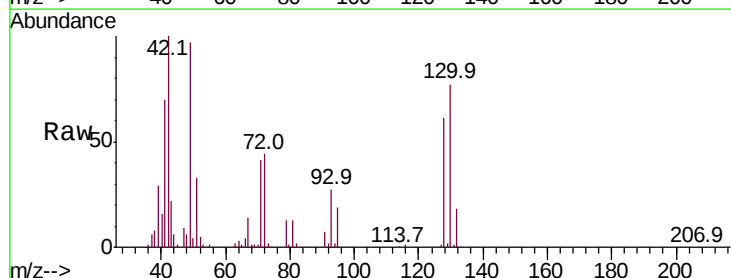
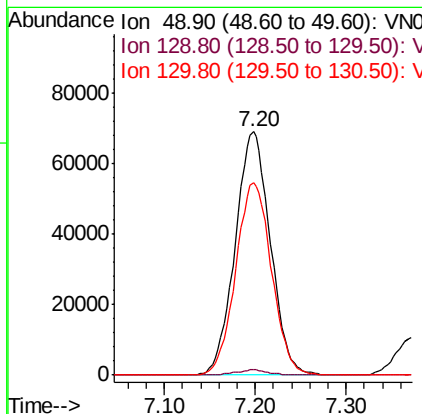
RT: 7.20 min Scan# 1687

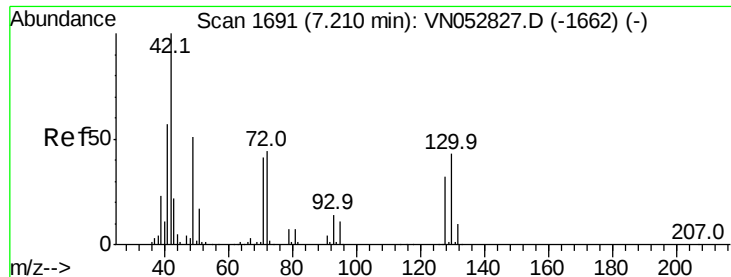
Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion:	49	Resp:	185323
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.0
130	80.6	63.3	94.9





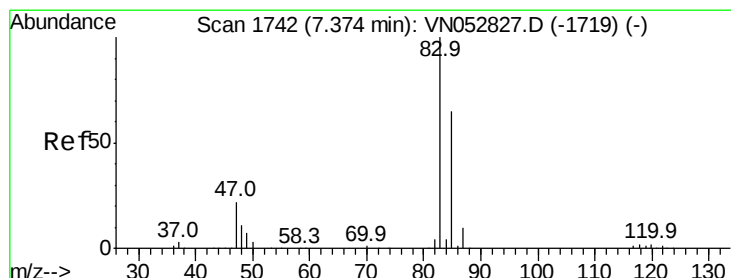
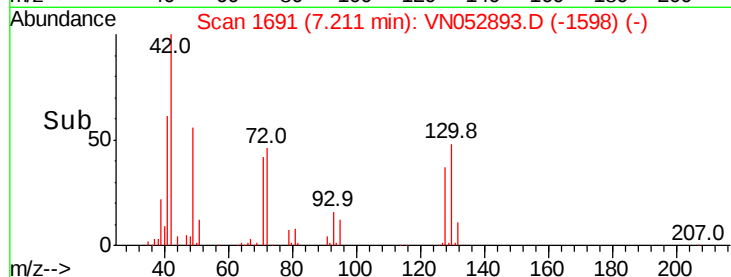
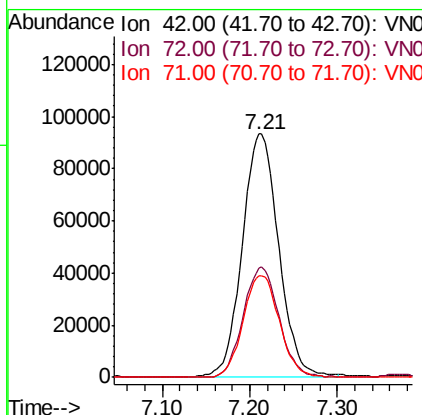
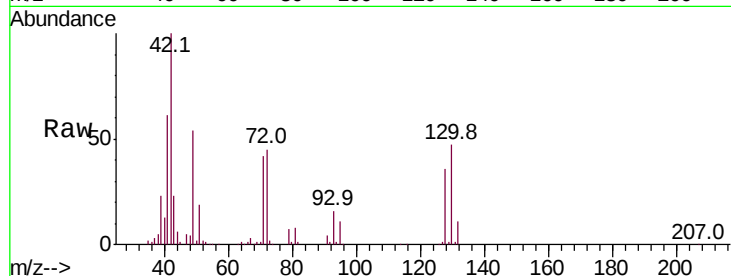
#29
Tetrahydrofuran
Concen: 93.522 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.7	52.1
71	41.6	32.3	48.5

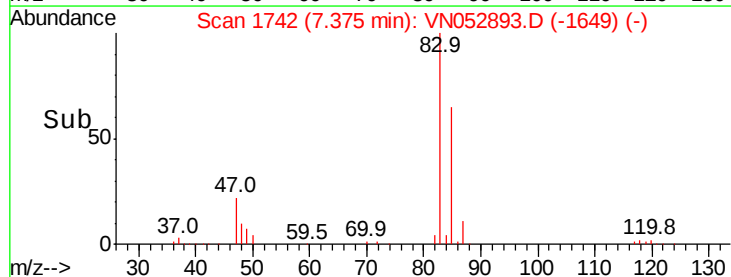
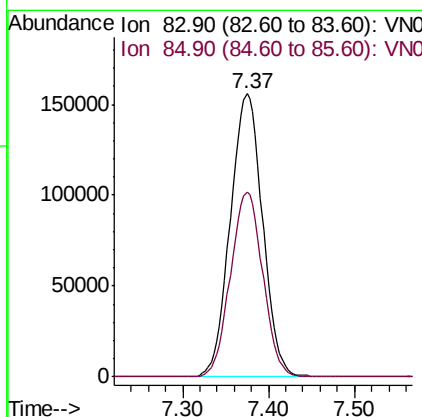
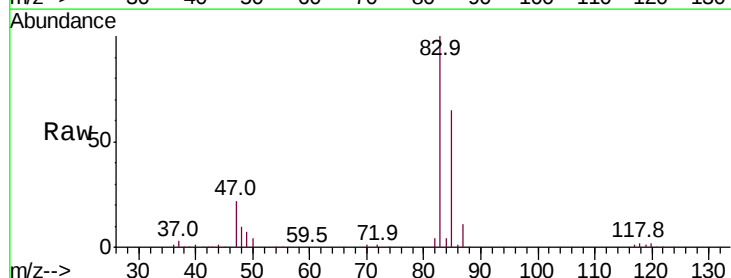
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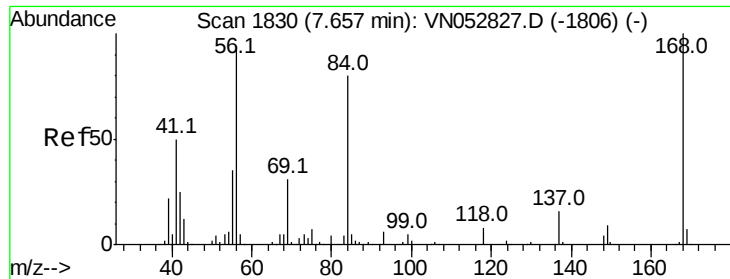
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#30
Chloroform
Concen: 19.709 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





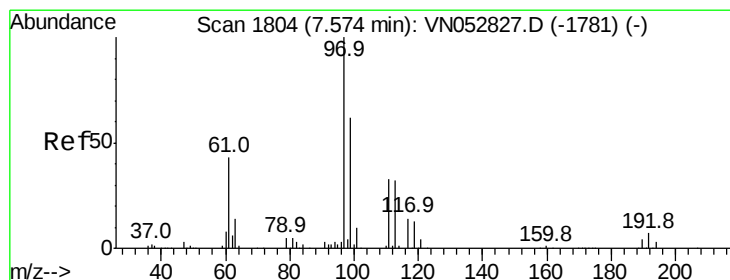
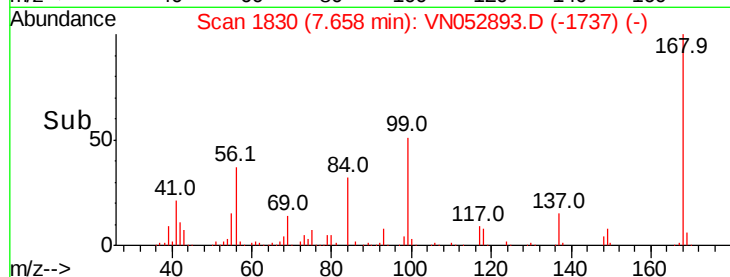
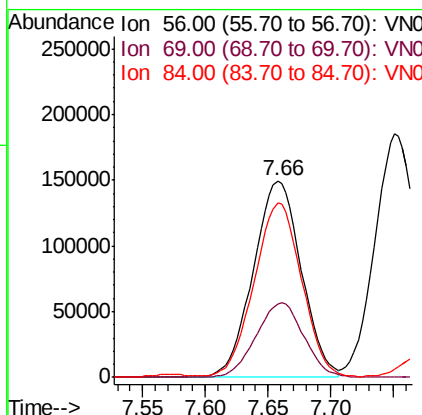
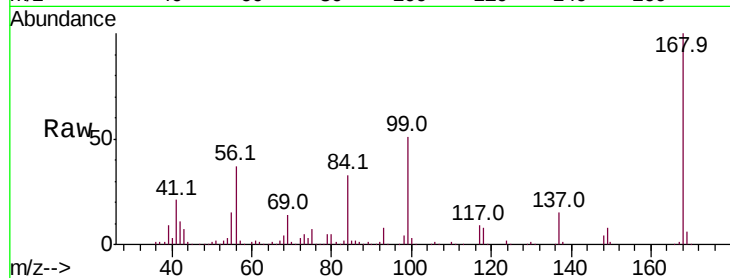
#31
Cyclohexane
Concen: 18.950 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.6	39.8
84	87.5	68.4	102.6

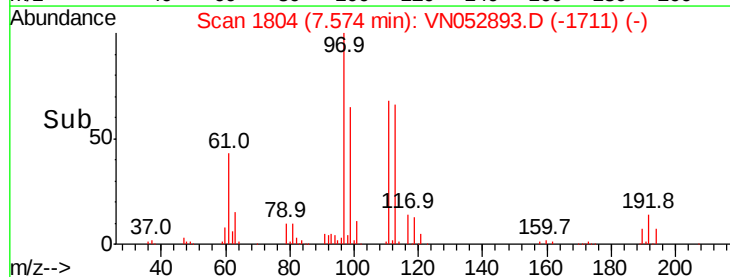
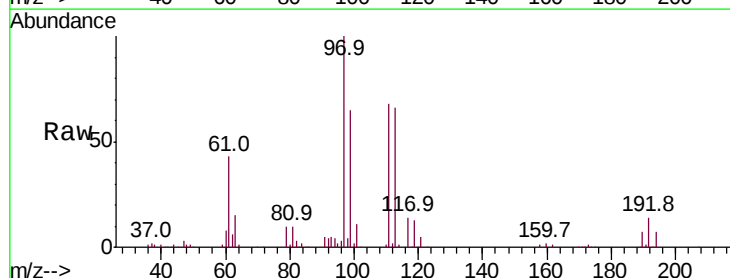
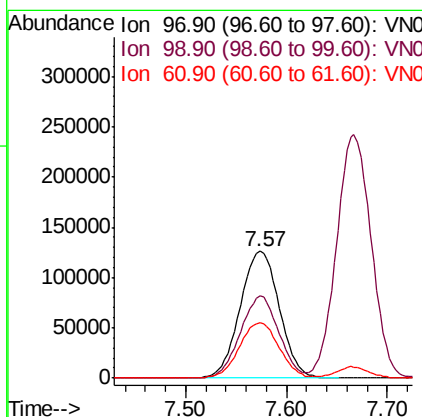
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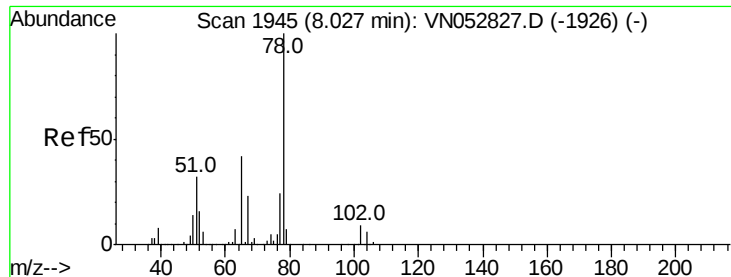
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#32
1,1,1-Trichloroethane
Concen: 19.769 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	44.1	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 19.769 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052893.D

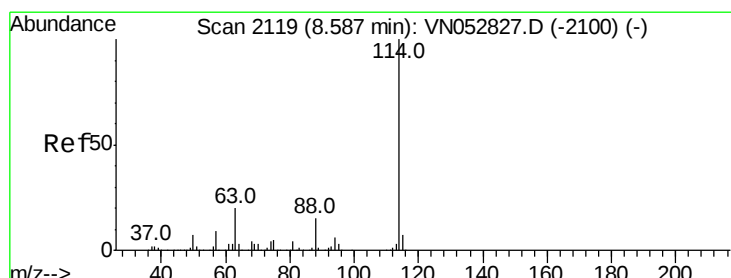
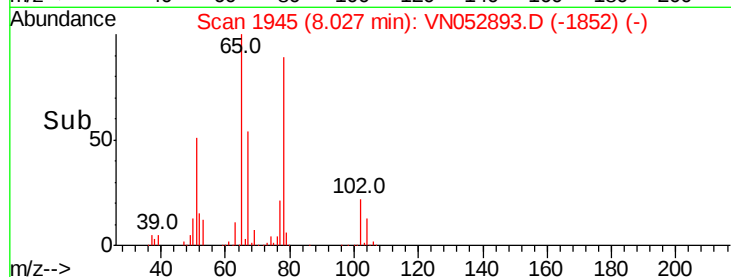
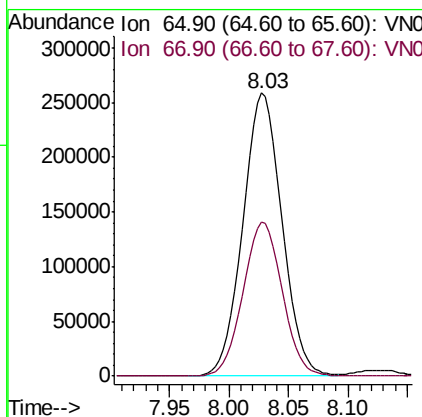
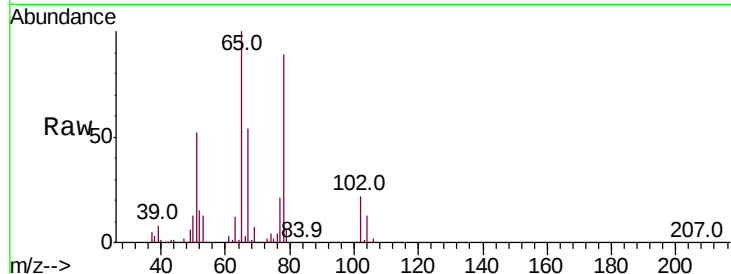
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

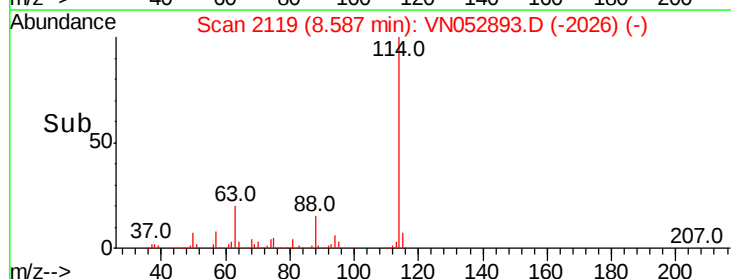
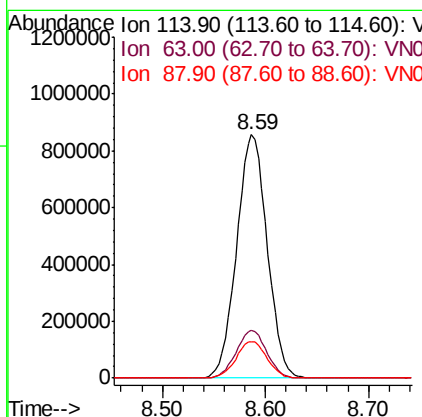
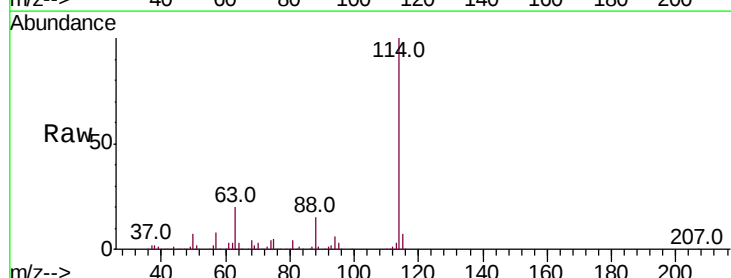
RT: 8.59 min Scan# 2119

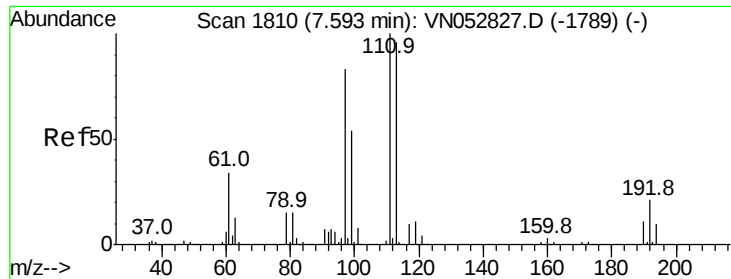
Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.8
88	15.2	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: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

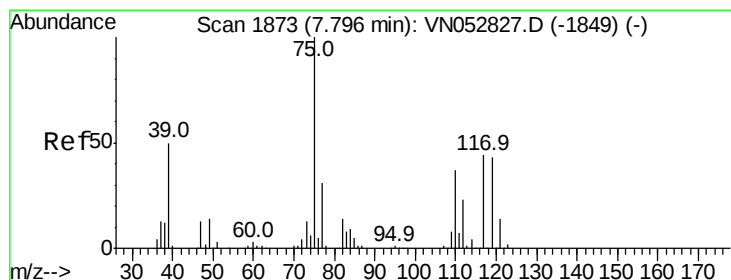
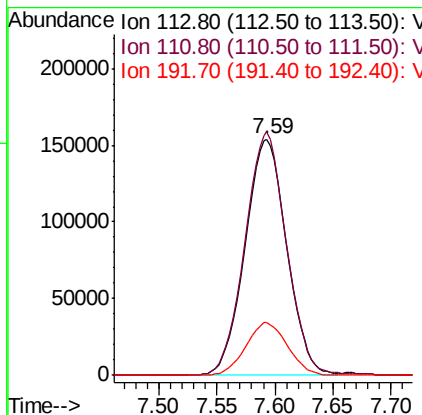
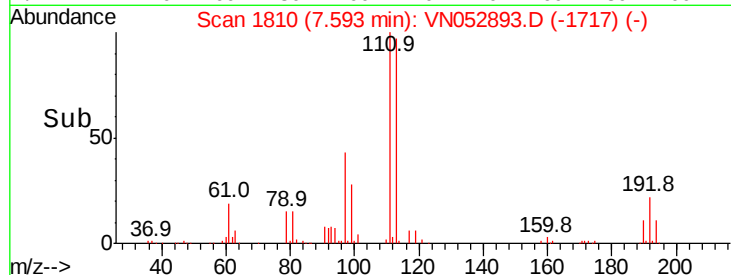
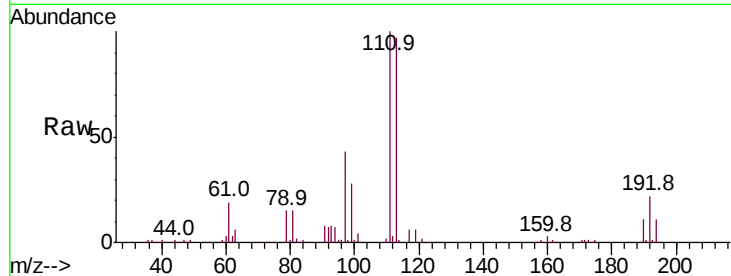
ClientSampleId :

VN1214WBSD02

Tot Ion:	113	Resp:	384776
Ion Ratio	Lower	Upper	
113	100		
111	102.3	83.0	124.4
192	22.4	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 19.289 ug/l

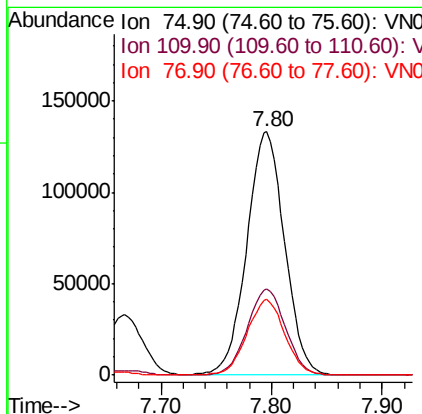
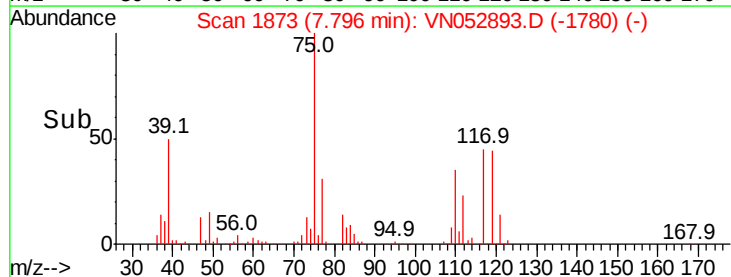
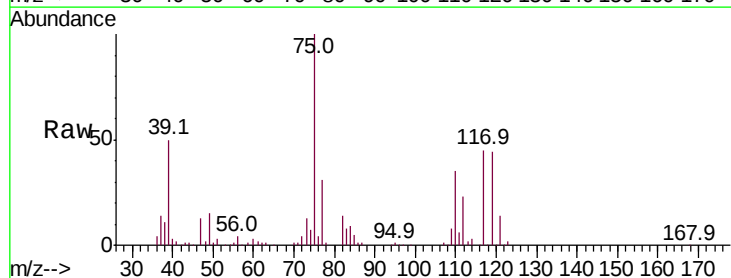
RT: 7.80 min Scan# 1873

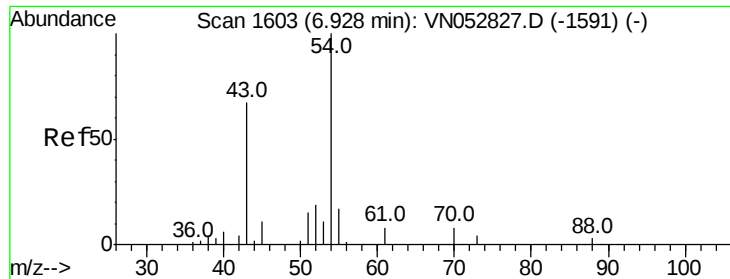
Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion:	75	Resp:	313733
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.2	54.6
77	31.4	24.9	37.3





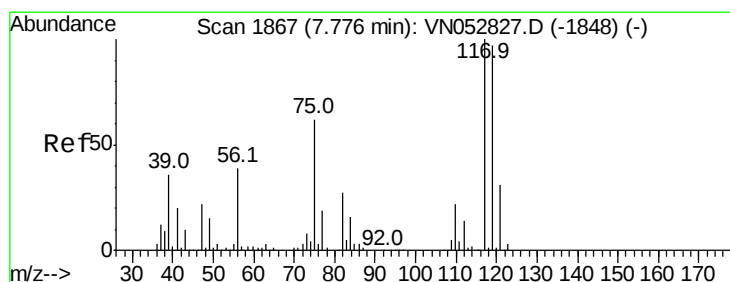
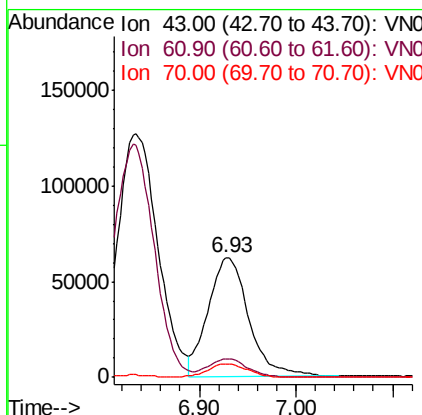
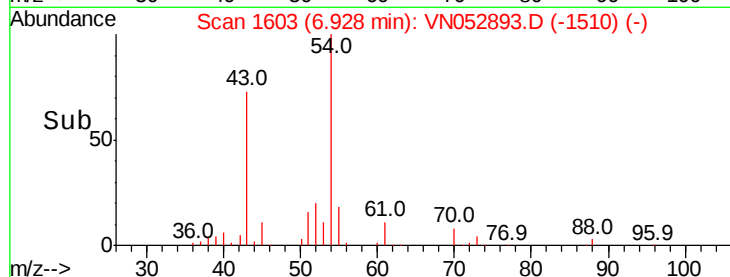
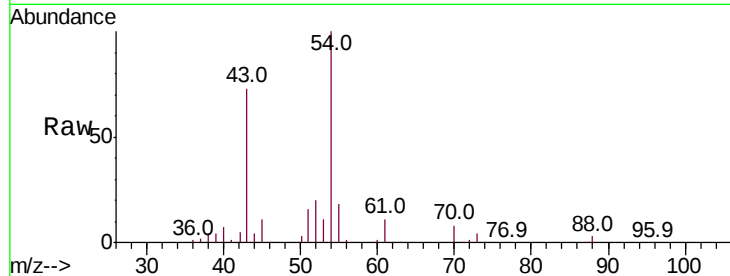
#37
Ethyl Acetate
Concen: 18.473 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.2	8.4	12.6

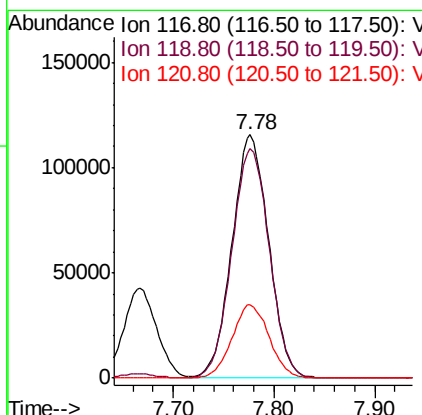
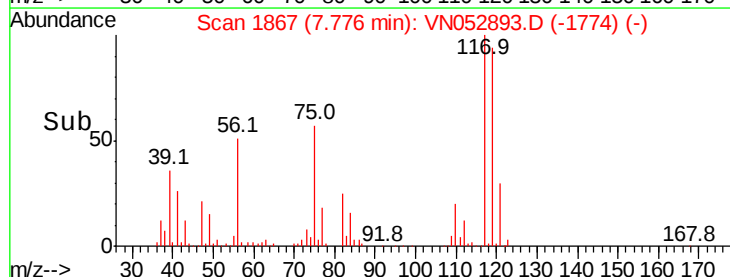
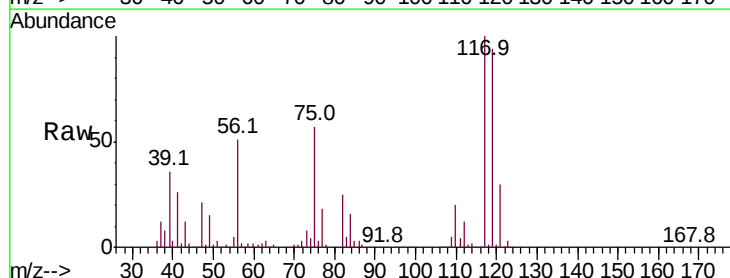
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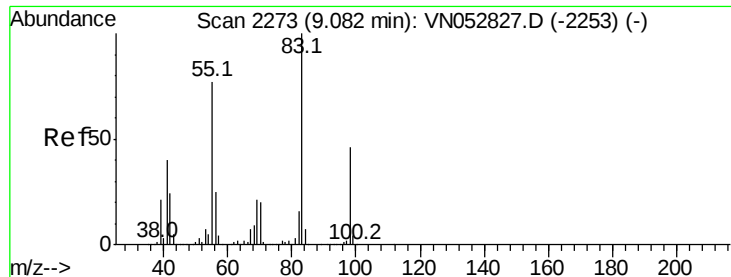
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#38
Carbon Tetrachloride
Concen: 19.523 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.1	115.7
121	30.4	24.9	37.3





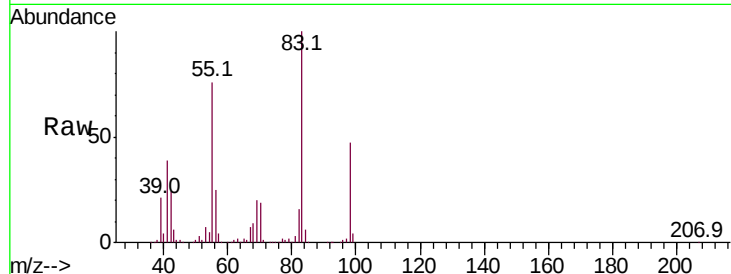
#39
Methylvlcyclohexane
Concen: 19.060 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

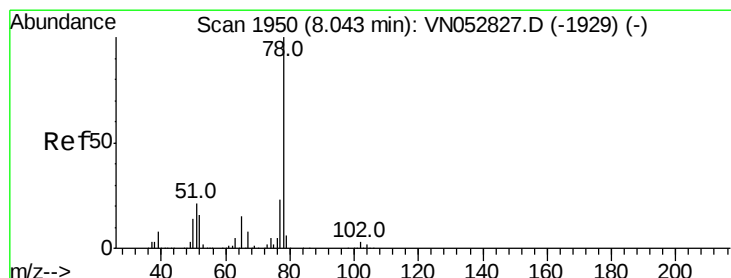
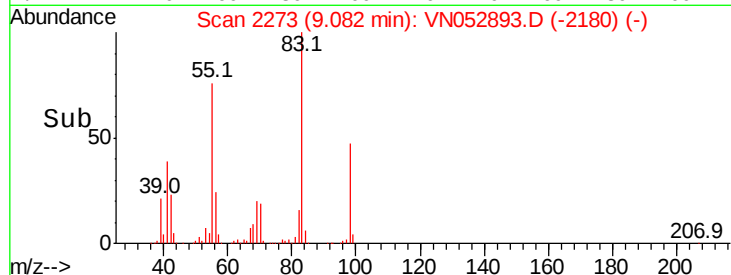
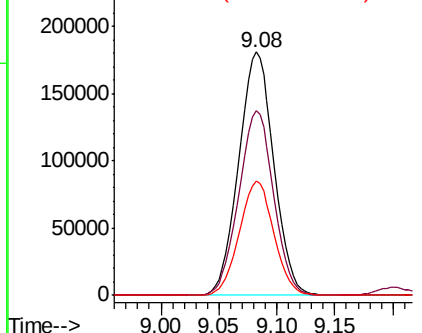
Tot Ion	83	Resp	380429
Ion Ratio	100	Lower	Upper
83	100		
55	75.8	61.3	91.9
98	46.8	37.0	55.4

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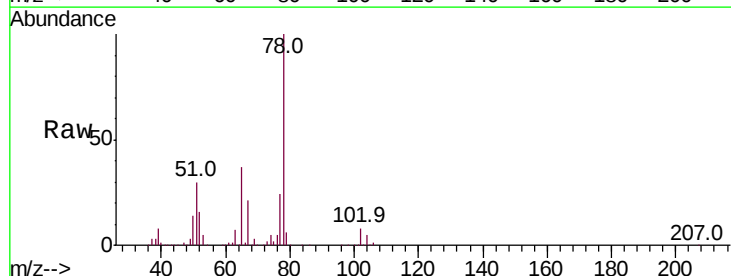


Abundance Ion 83.00 (82.70 to 83.70): VN052827.D (-2253) (-)

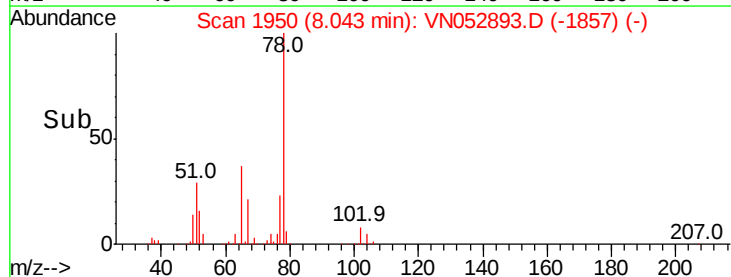
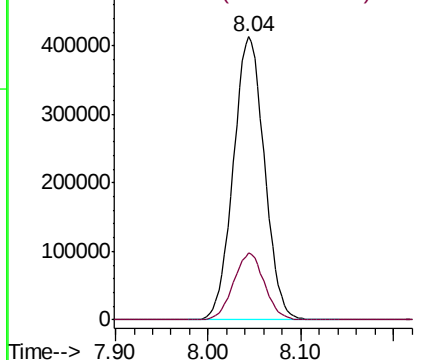


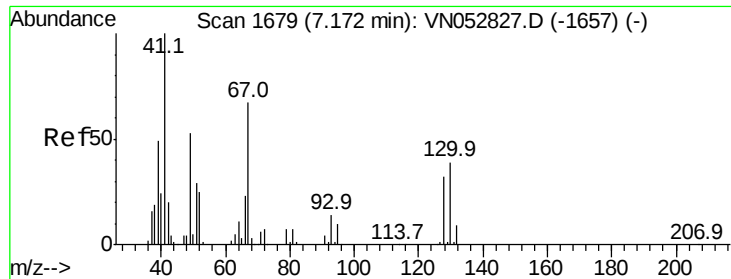
#40
Benzene
Concen: 19.658 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	78	Resp	959642
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.5	27.7



Abundance Ion 78.00 (77.70 to 78.70): VN052827.D (-1929) (-)





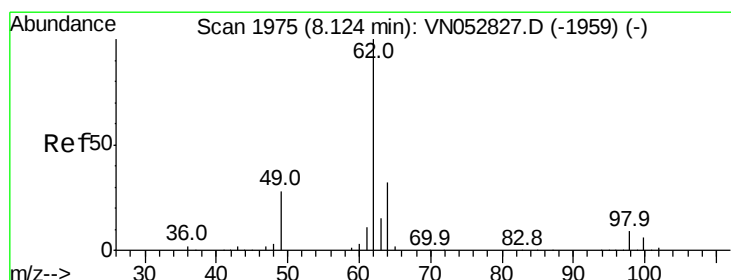
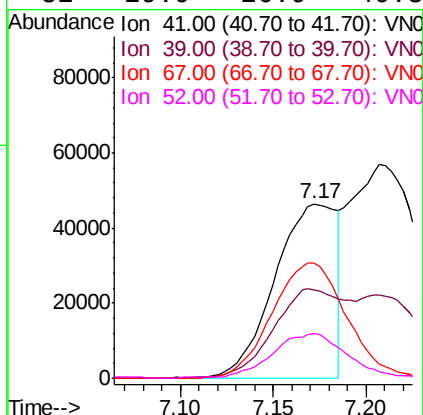
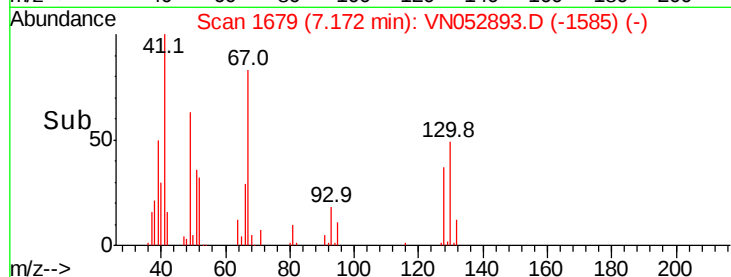
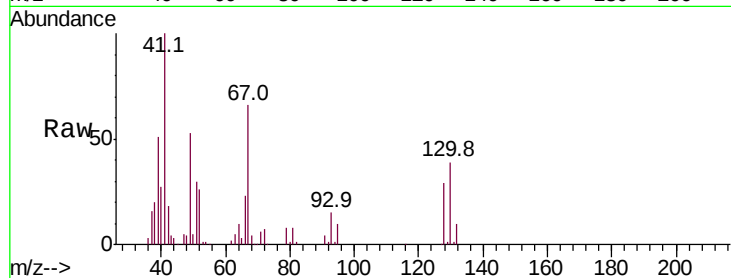
#41
Methacrylonitrile
Concen: 19.862 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.2	48.0	72.0
67	80.6	70.3	105.5
52	29.9	26.9	40.3

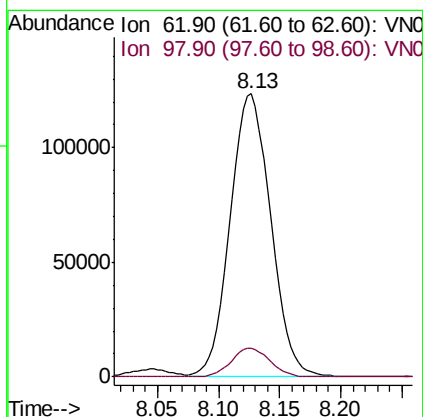
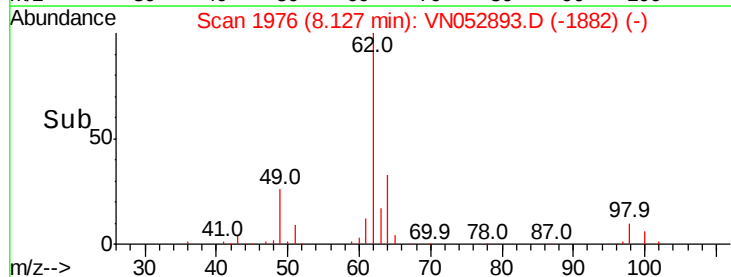
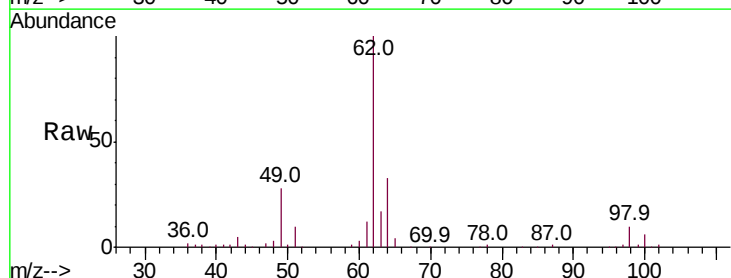
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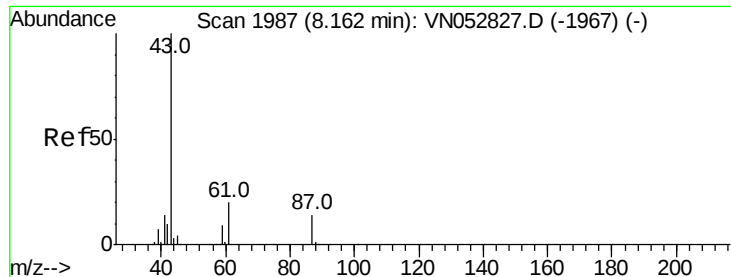
MMDadoda
12/17/2018 3:06:00 PM



#42
1,2-Dichloroethane
Concen: 19.308 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

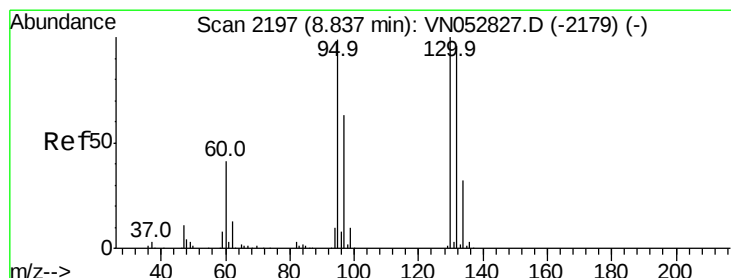
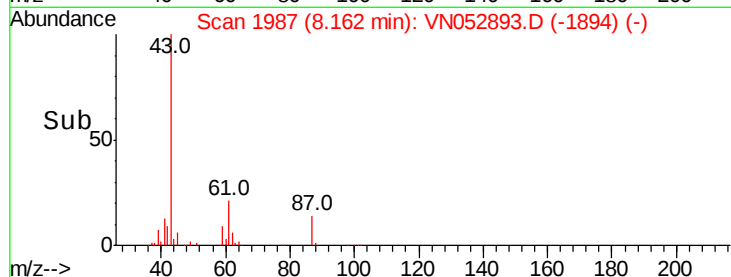
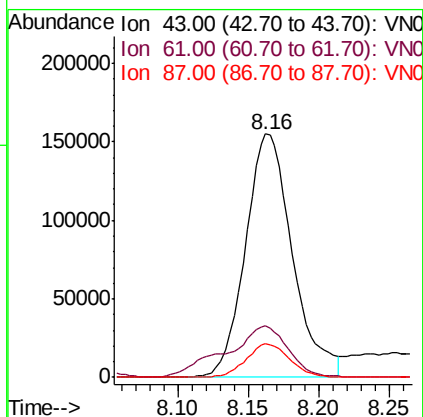
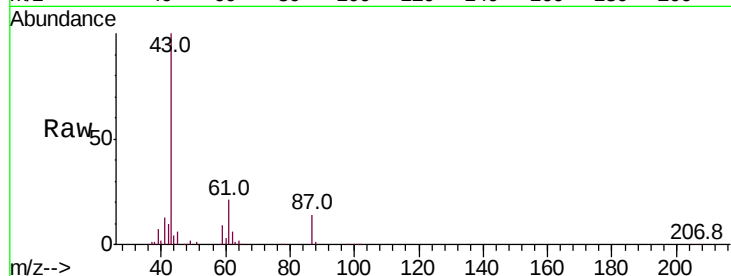
Isopropyl Acetate
 Concen: 17.904 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.9	34.3
87	12.8	10.6	15.8

Manual Integrations
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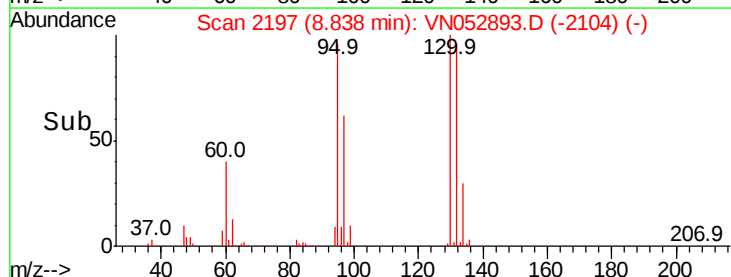
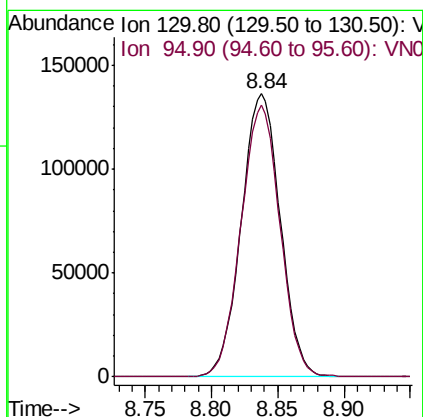
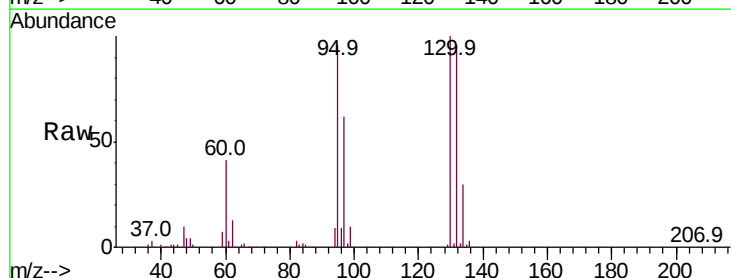
MMDadoda
 12/17/2018 3:06:00 PM

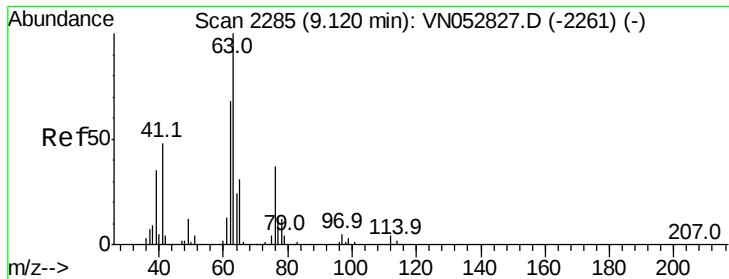


#44

Trichloroethene
 Concen: 21.149 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	197.8





#45

1,2-Dichloropropane

Concen: 19.501 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 63 Resp: 249349

Ion Ratio Lower Upper

63 100

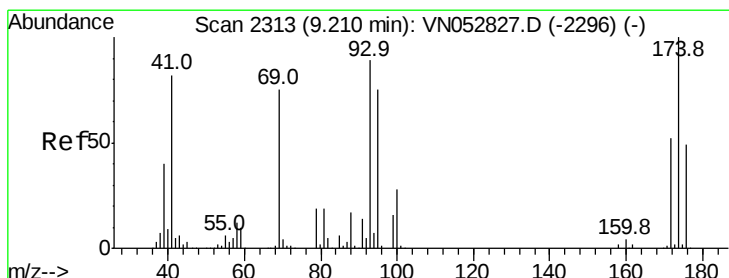
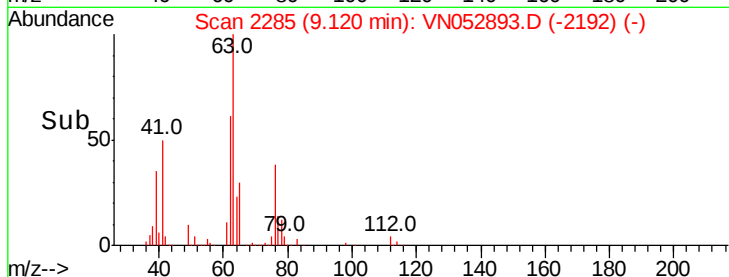
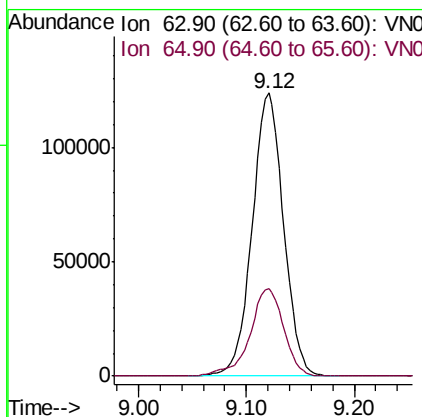
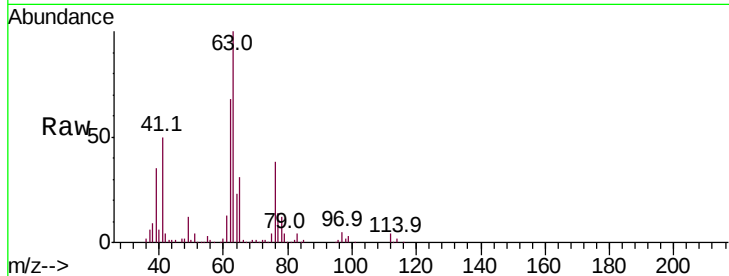
65 30.9 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.276 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

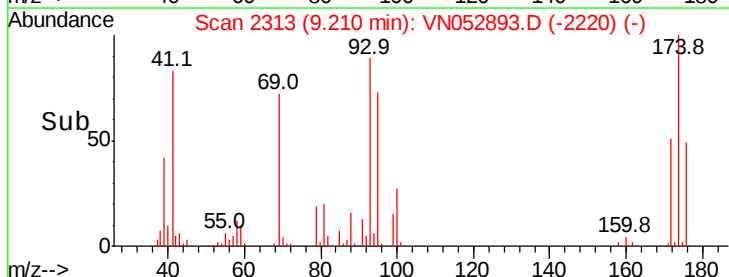
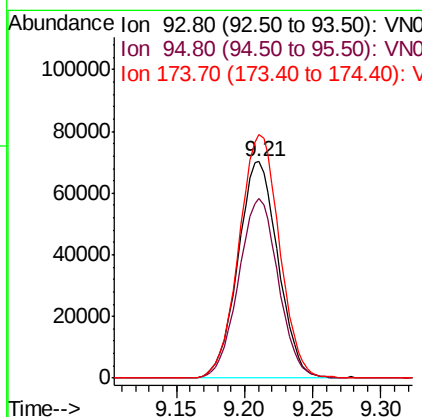
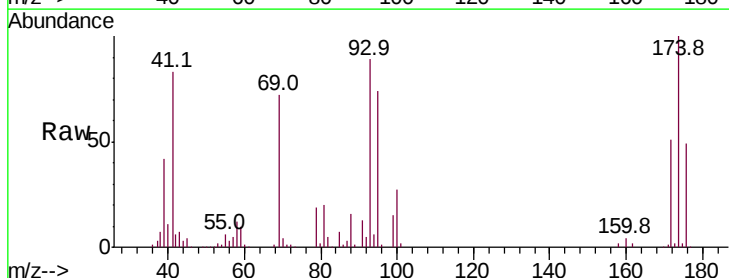
Tgt Ion: 93 Resp: 142938

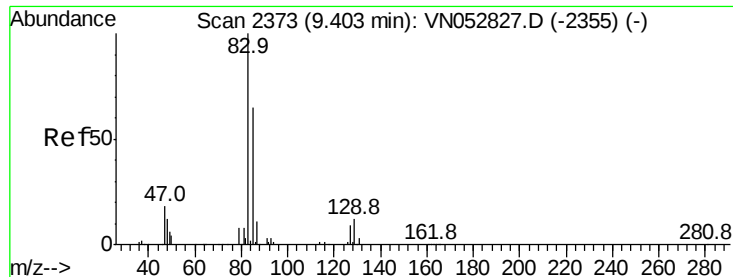
Ion Ratio Lower Upper

93 100

95 82.5 67.8 101.6

174 113.9 89.0 133.4





#47

Bromodichloromethane

Concen: 19.657 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

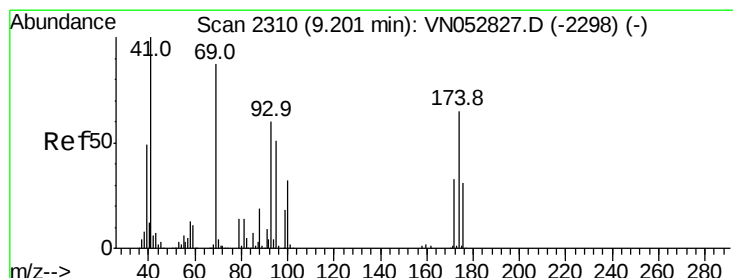
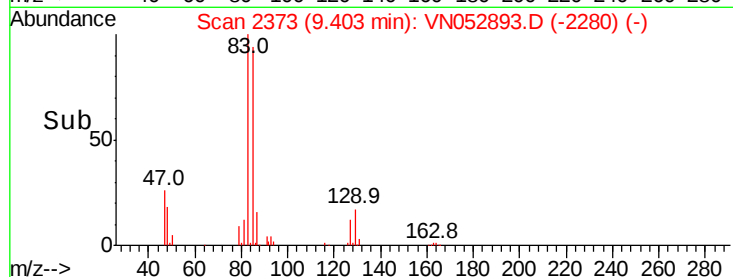
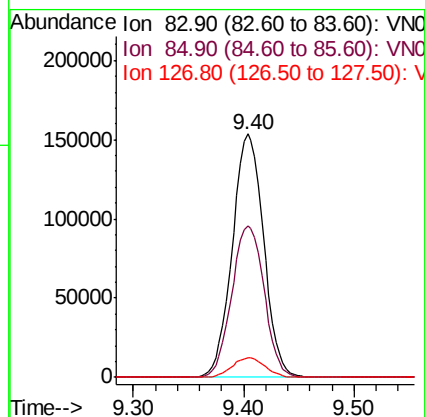
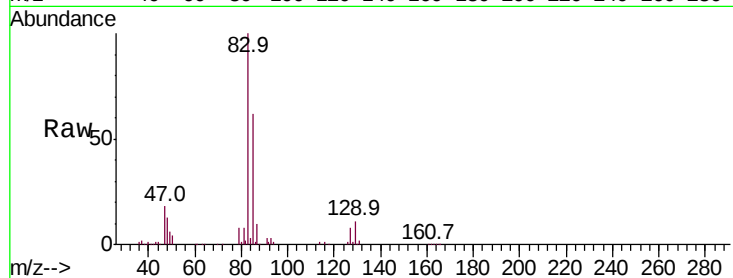
ClientSampleId :

VN1214WBSD02

Tot Ion	83	Resp	302269
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.6	77.4
127	8.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.470 ug/l

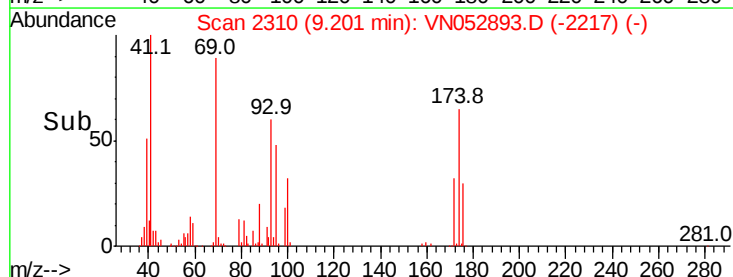
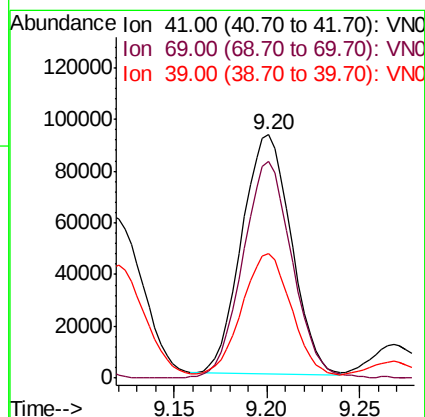
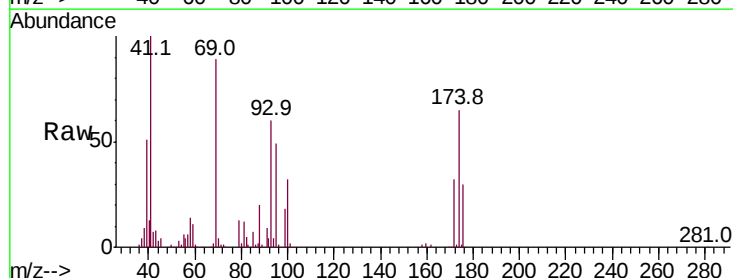
RT: 9.20 min Scan# 2310

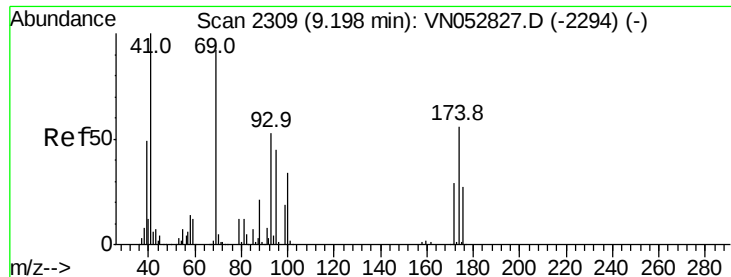
Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion	41	Resp	171052
Ion	Ratio	Lower	Upper
41	100		
69	90.8	72.2	108.2
39	53.0	41.9	62.9





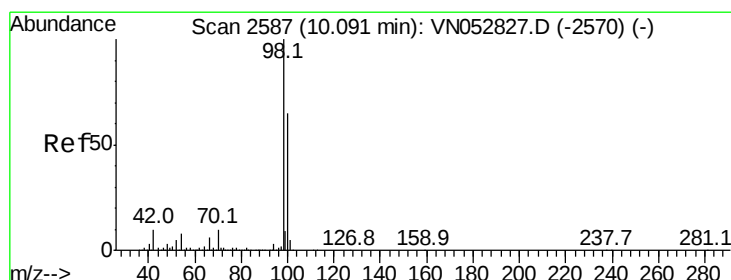
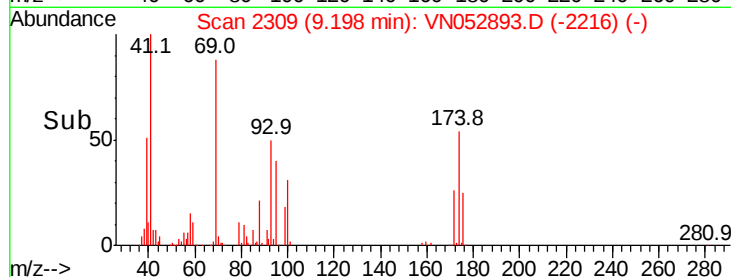
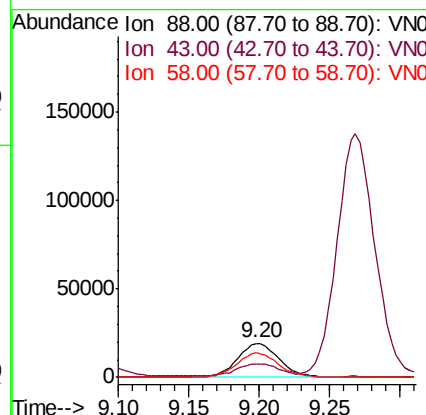
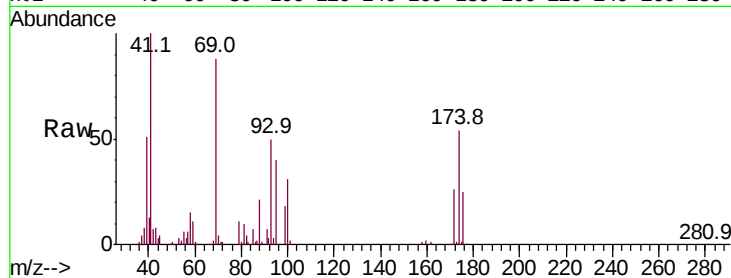
#49
1,4-Dioxane
Concen: 396.968 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.6	40.0
58	72.8	58.4	87.6

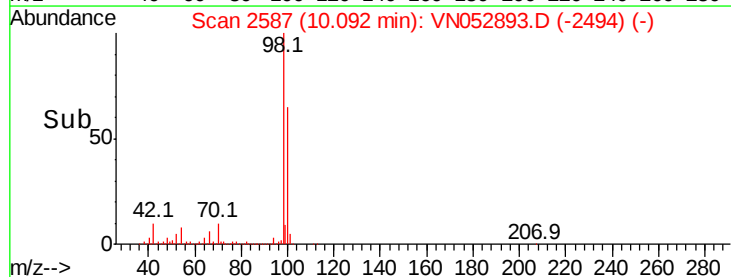
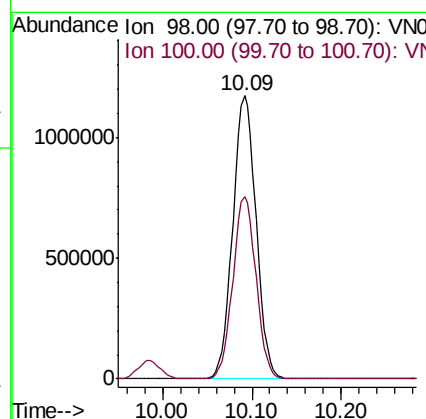
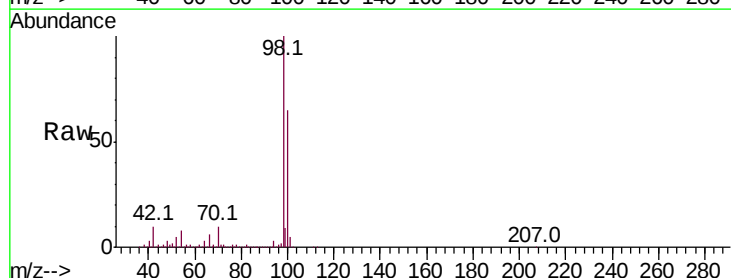
Manual Integrations
APPROVED

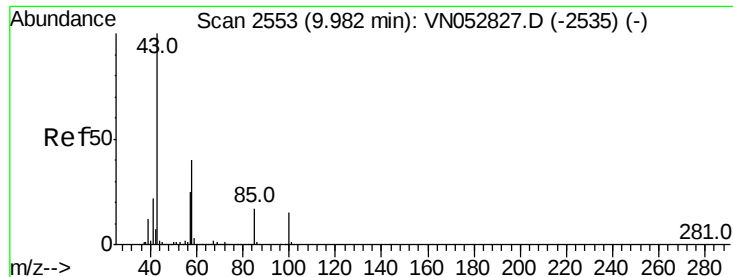
MMDadoda
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#50
Toluene-d8
Concen: 396.968 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





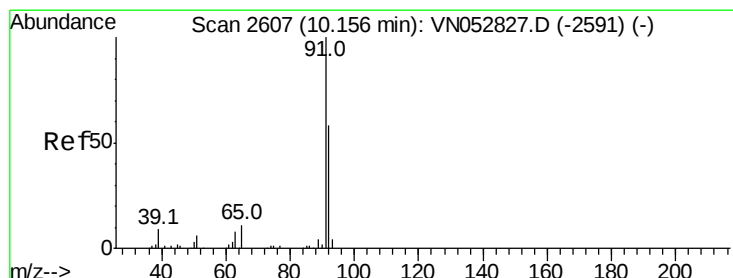
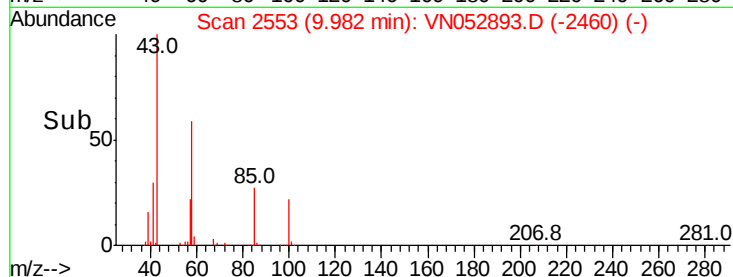
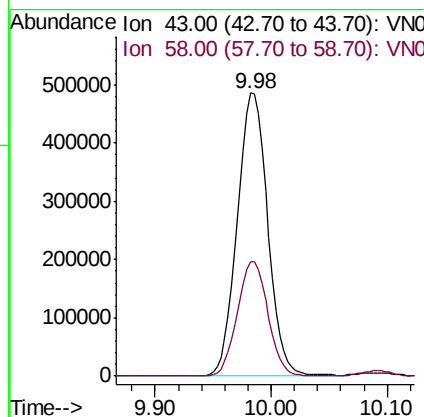
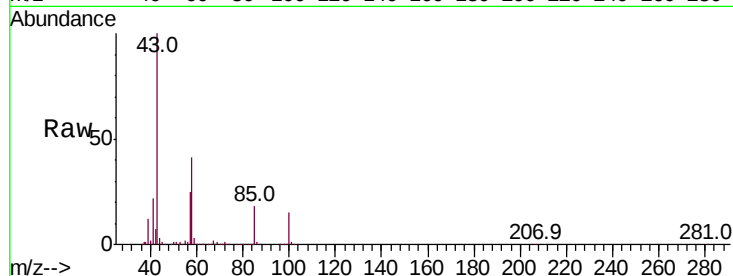
#51
4-Methyl-2-Pentanone
Concen: 95.950 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion: 43 Resp: 881389
Ion Ratio Lower Upper
43 100
58 40.8 32.2 48.4

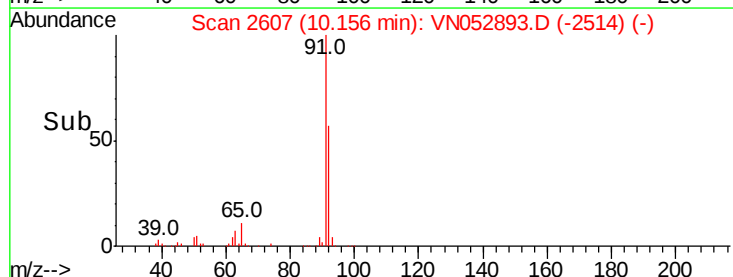
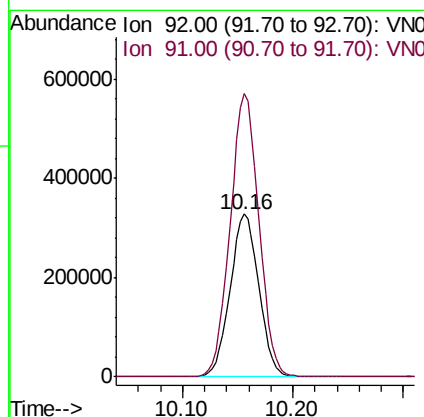
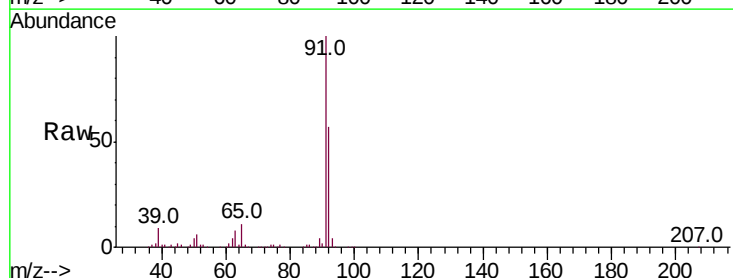
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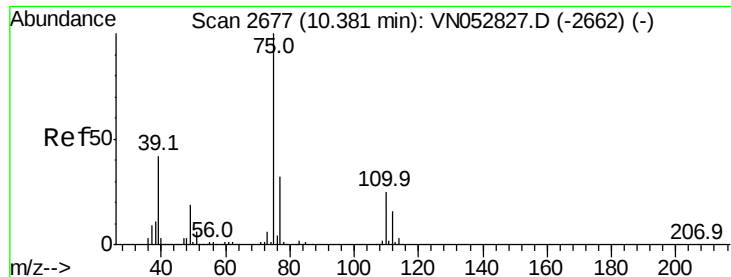
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#52
Toluene
Concen: 19.994 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion: 92 Resp: 591154
Ion Ratio Lower Upper
92 100
91 174.1 139.8 209.6





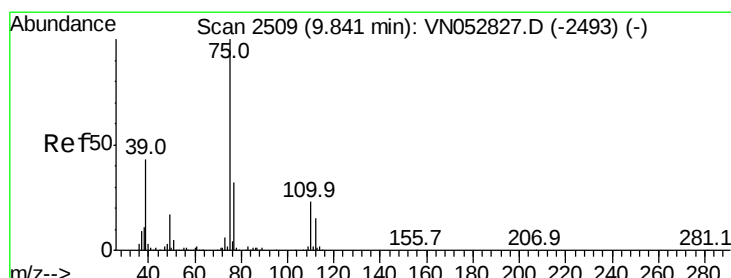
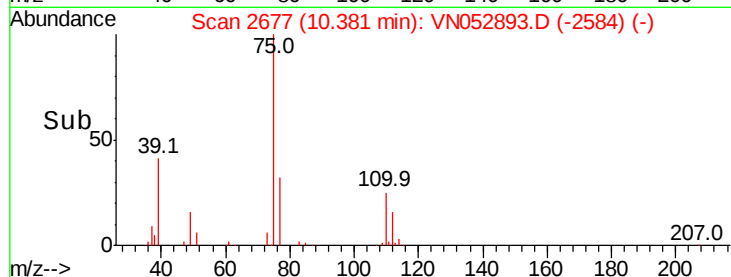
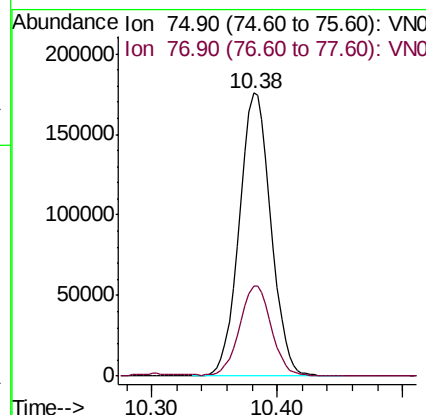
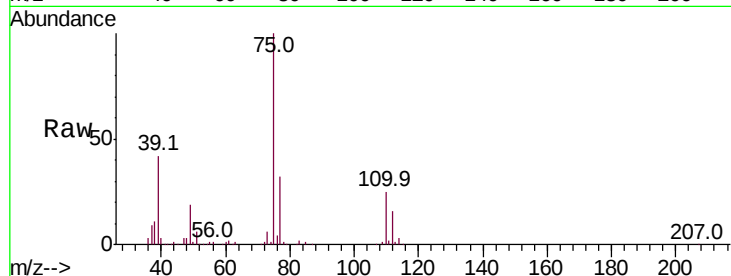
#53
t-1,3-Dichloropropene
Concen: 19.890 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion: 75 Resp: 307770
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4

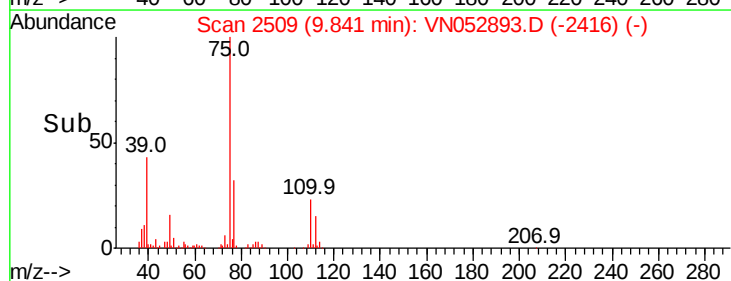
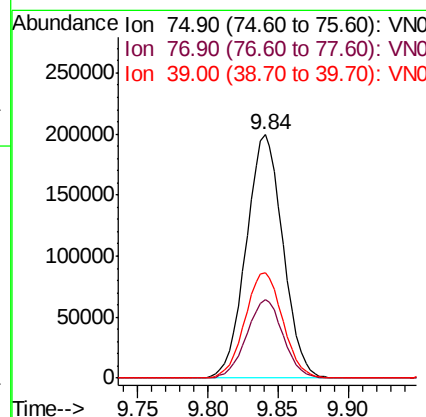
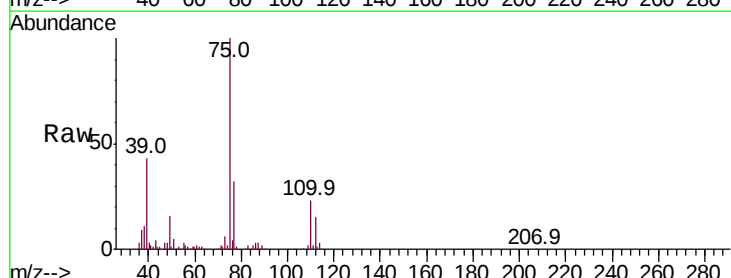
Manual Integrations
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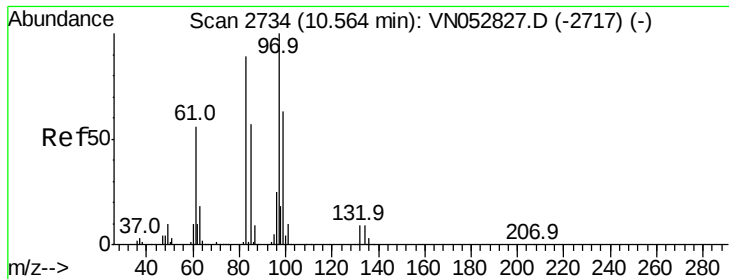
MMDadoda
12/17/2018 3:06:00 PM



#54
cis-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion: 75 Resp: 364461
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
39 43.4 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 19.566 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

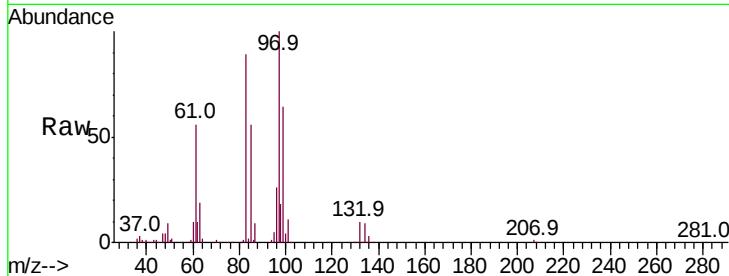
ClientSampleId :

VN1214WBSD02

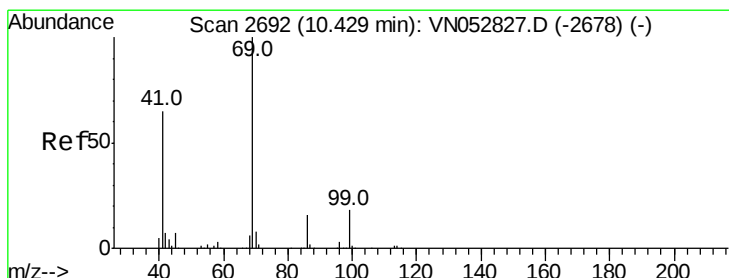
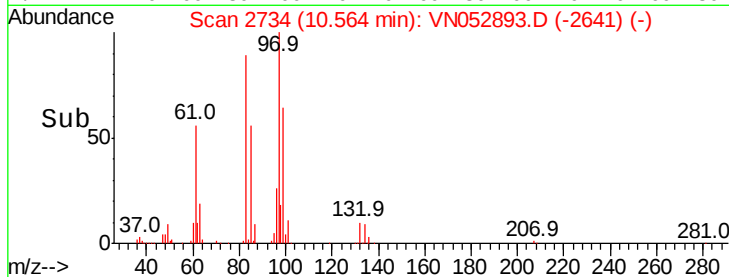
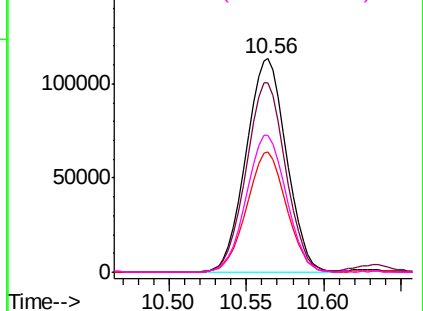
Tot Ion:	97	Resp:	206503
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.9	106.3
85	56.5	45.4	68.2
99	64.1	50.4	75.6

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Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.697 ug/l

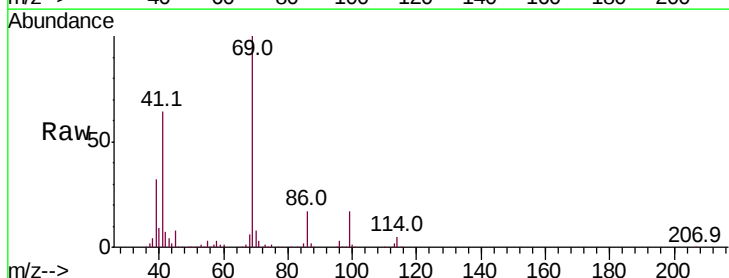
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

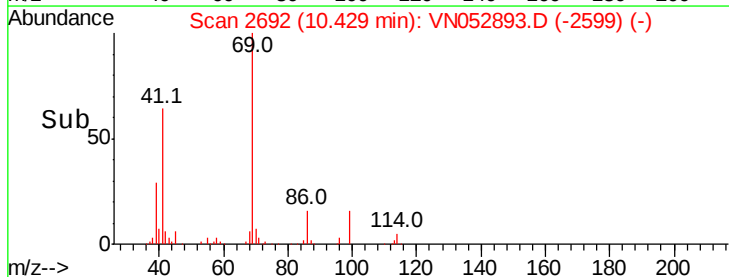
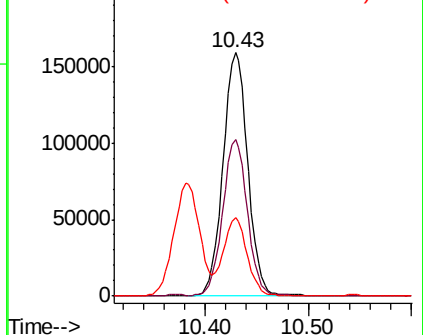
Lab File: VN052893.D

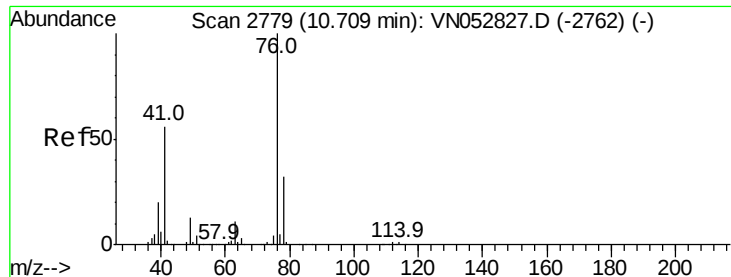
Acq: 14 Dec 2018 17:18

Tgt Ion:	69	Resp:	266788
Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.7	77.5
39	30.5	24.6	37.0



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





#57

1,3-Dichloropropane

Concen: 19.619 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 76 Resp: 355079

Ion Ratio Lower Upper

76 100

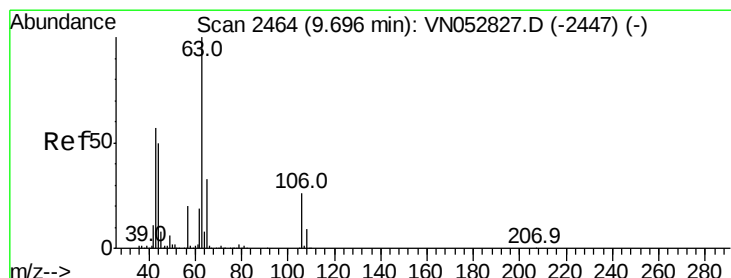
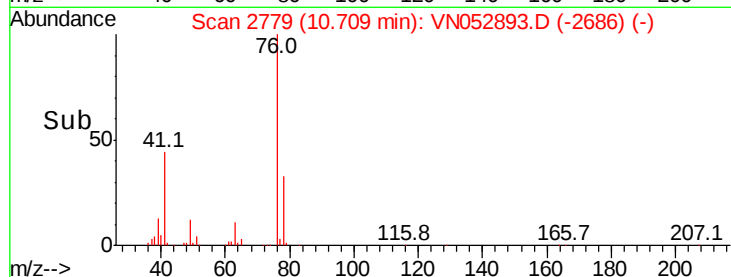
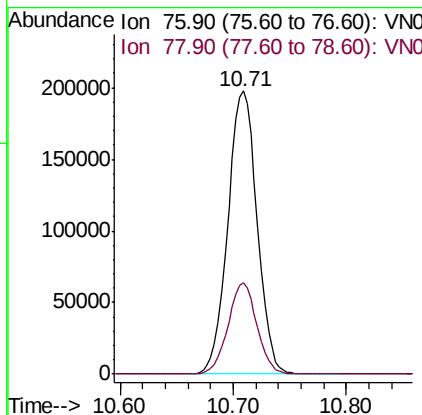
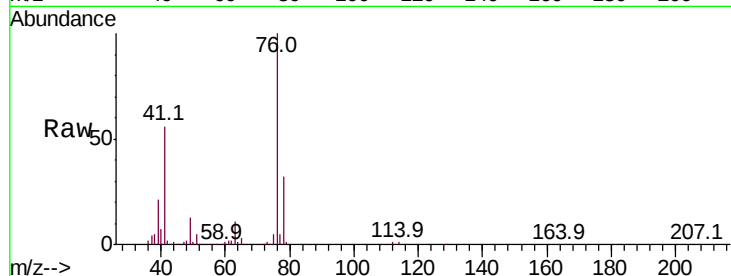
78 31.9 25.8 38.8

Manual Integrations

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12/17/2018 3:06:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 99.469 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052893.D

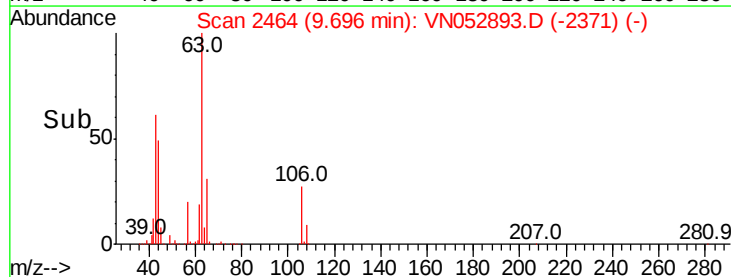
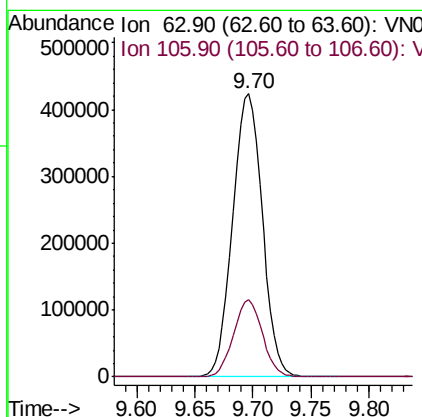
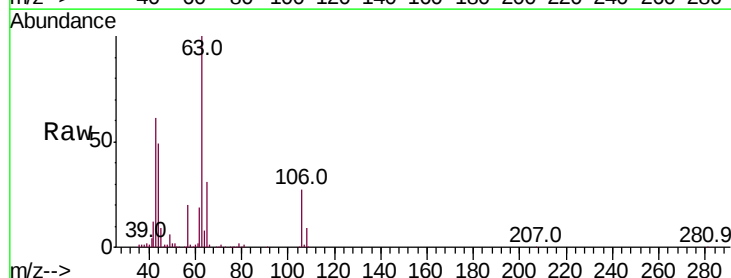
Acq: 14 Dec 2018 17:18

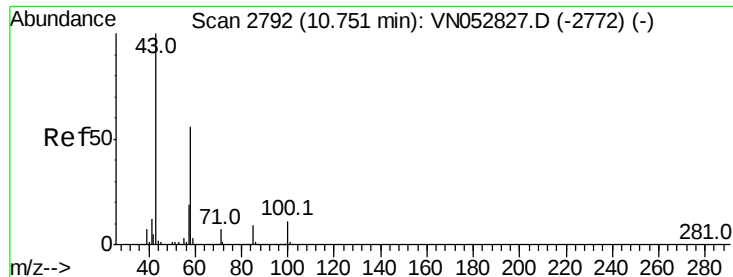
Tgt Ion: 63 Resp: 751760

Ion Ratio Lower Upper

63 100

106 26.5 21.0 31.6





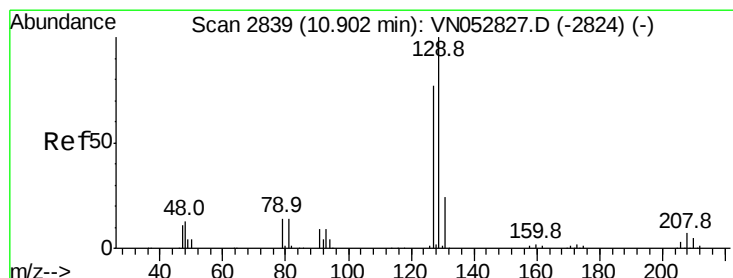
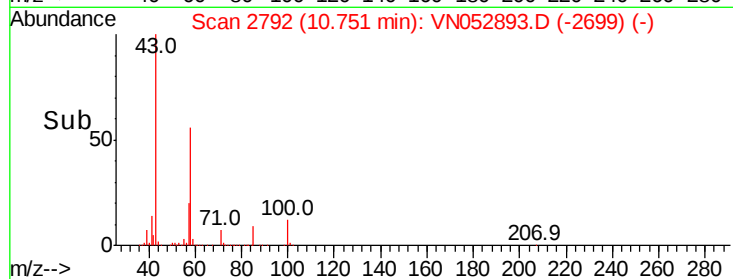
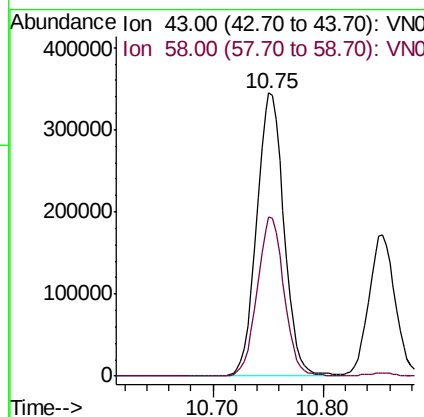
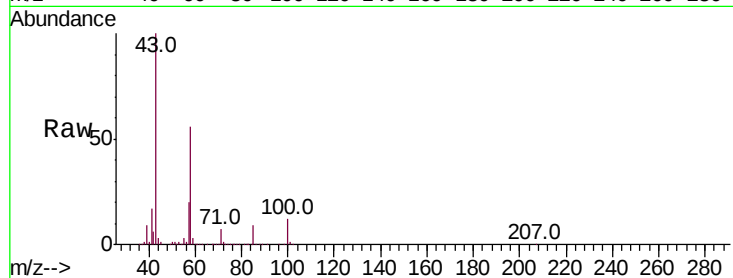
#59
2-Hexanone
Concen: 93.684 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion: 43 Resp: 589770
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.3

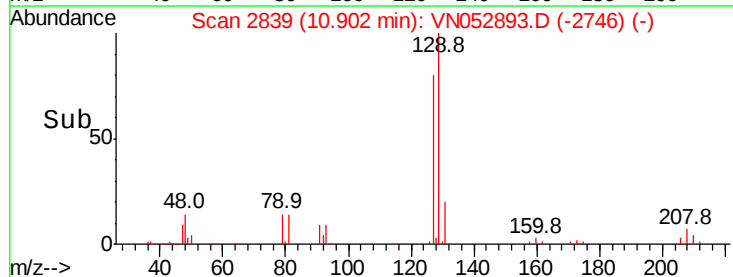
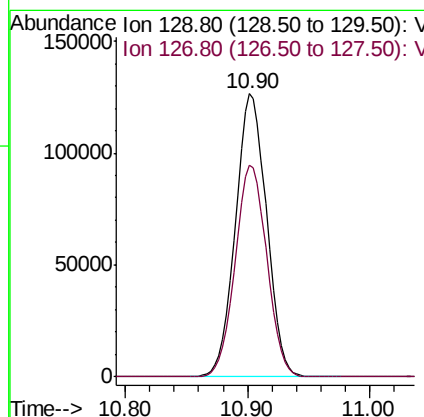
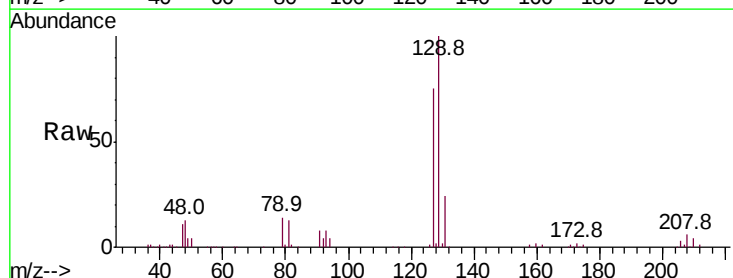
Manual Integrations
APPROVED

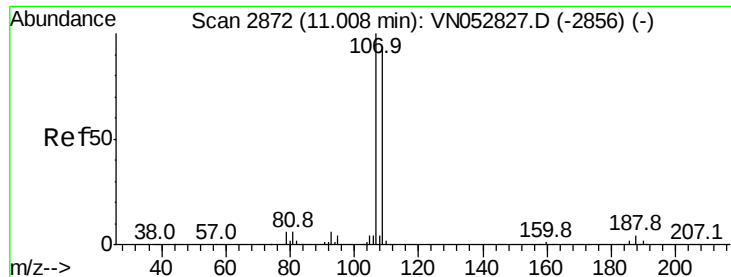
MMDadoda
12/17/2018 3:06:00 PM



#60
Dibromochloromethane
Concen: 19.590 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion: 129 Resp: 223452
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





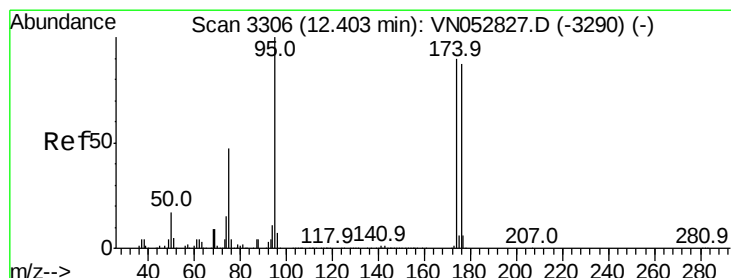
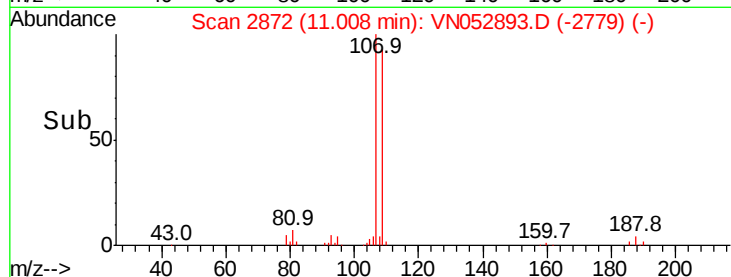
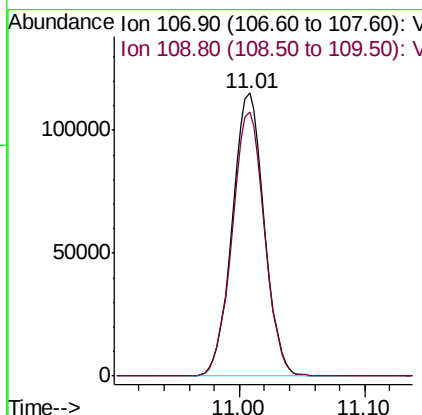
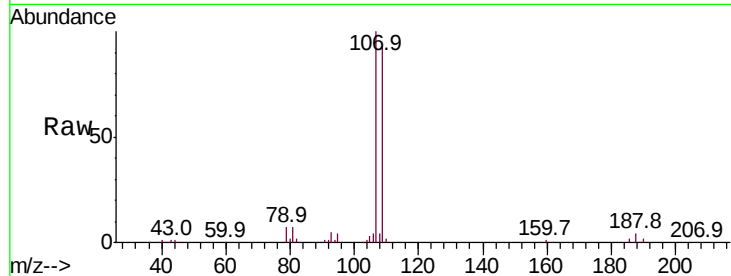
#61
1,2-Dibromoethane
Concen: 19.462 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion: 107 Resp: 203044
Ion Ratio Lower Upper
107 100
109 94.7 75.4 113.0

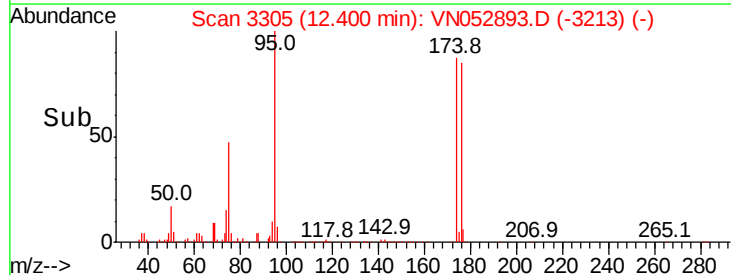
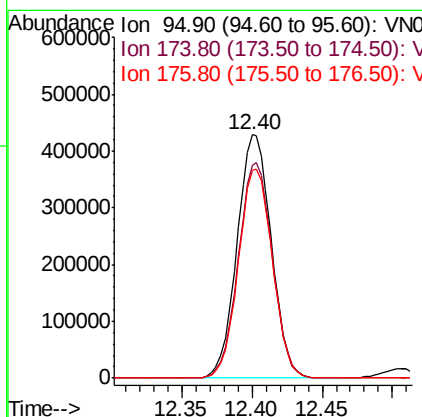
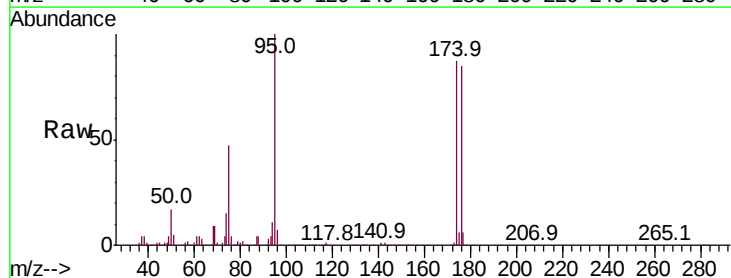
Manual Integrations
APPROVED

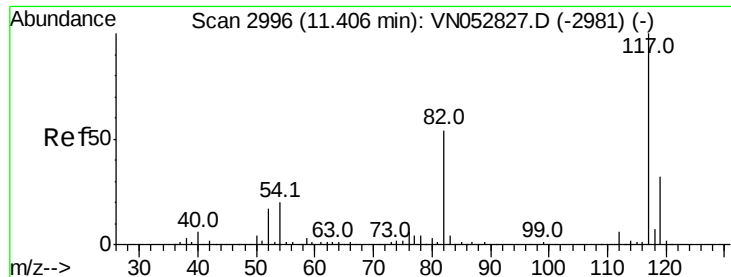
MMDadoda
12/17/2018 3:06:00 PM



#62
4-Bromofluorobenzene
Concen: 19.462 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion: 95 Resp: 727417
Ion Ratio Lower Upper
95 100
174 88.1 0.0 178.8
176 85.7 0.0 173.8





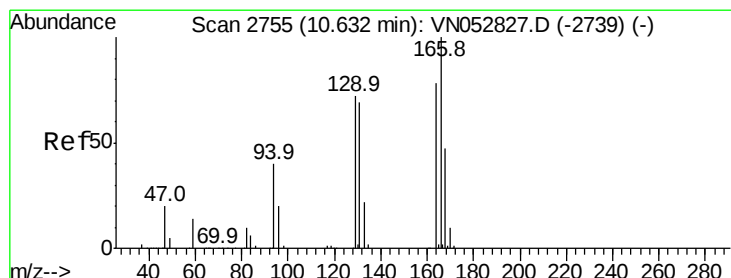
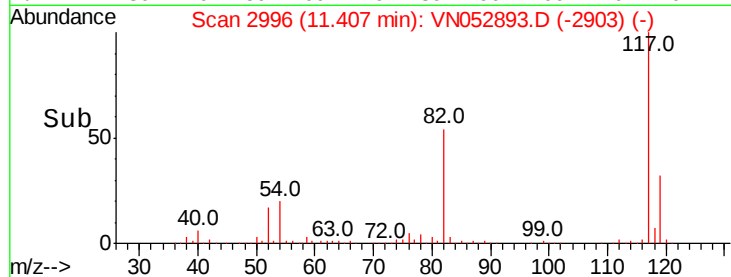
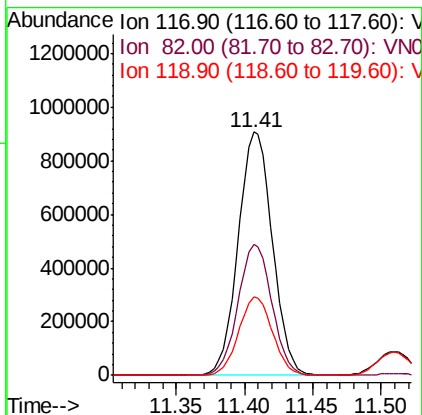
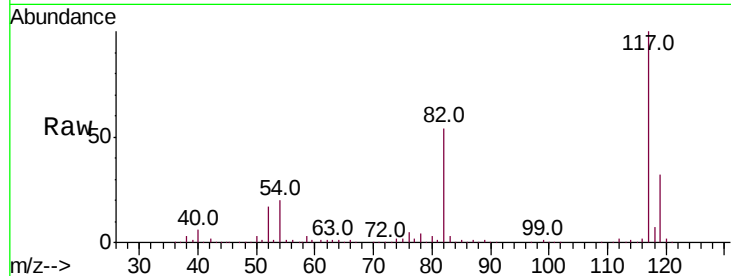
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion:117 Resp: 1576687
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.1 25.5 38.3

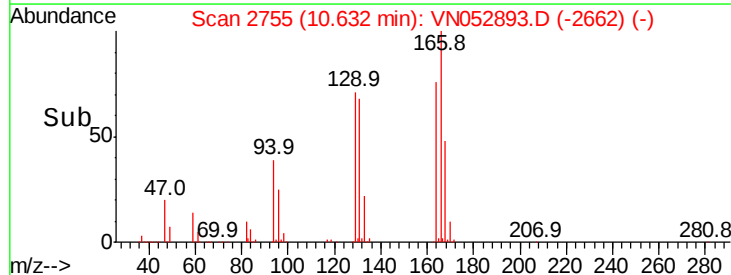
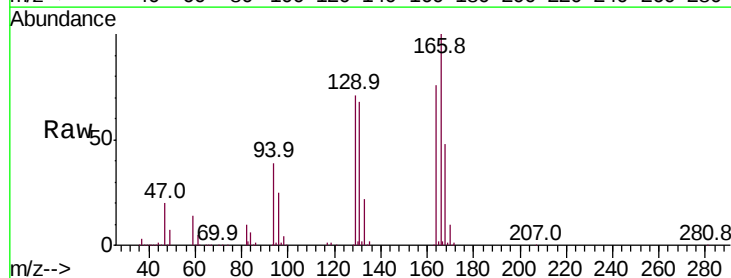
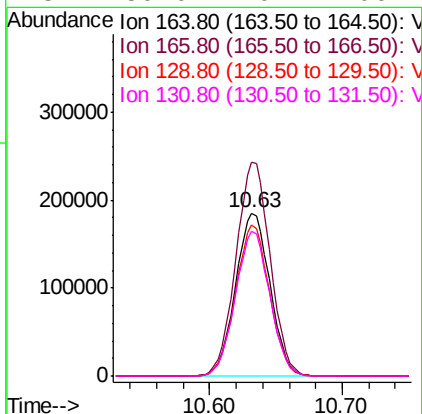
Manual Integrations
APPROVED

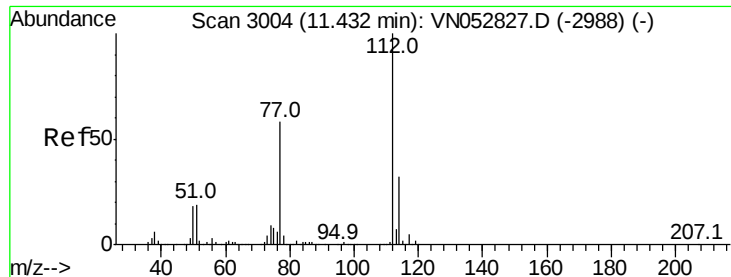
MMDadoda
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#64
Tetrachloroethene
Concen: 24.614 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion:164 Resp: 333547
Ion Ratio Lower Upper
164 100
166 130.9 102.9 154.3
129 92.9 73.7 110.5
131 89.0 70.7 106.1





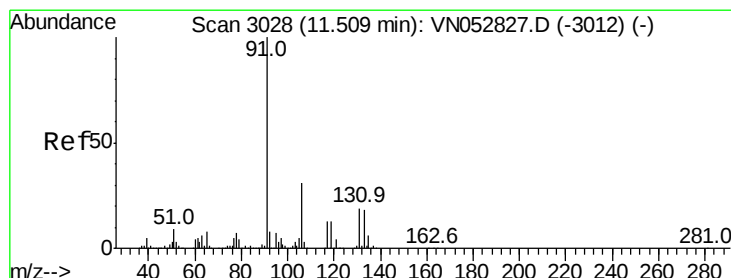
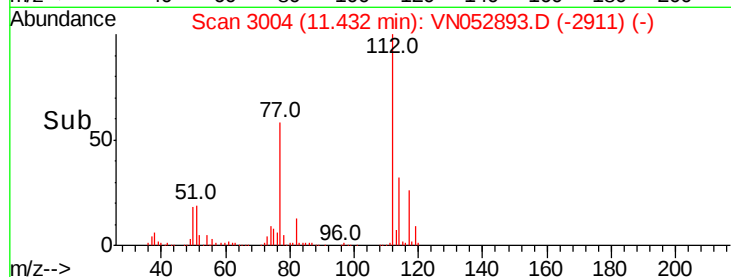
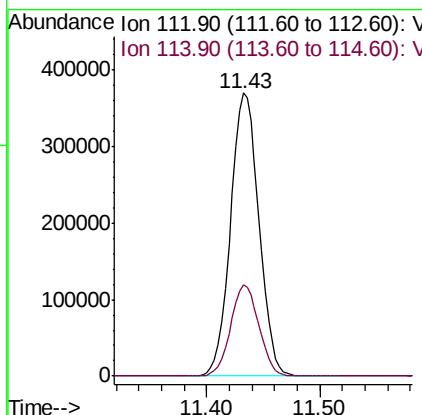
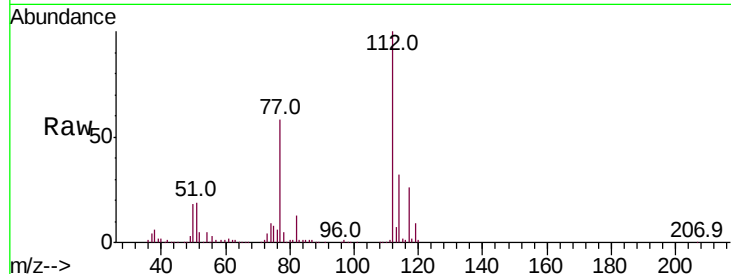
#65
Chlorobenzene
Concen: 19.669 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion:112 Resp: 643382
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

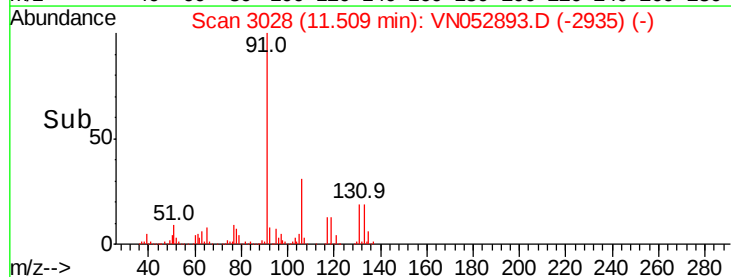
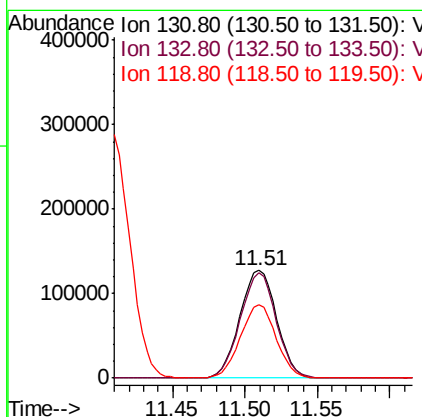
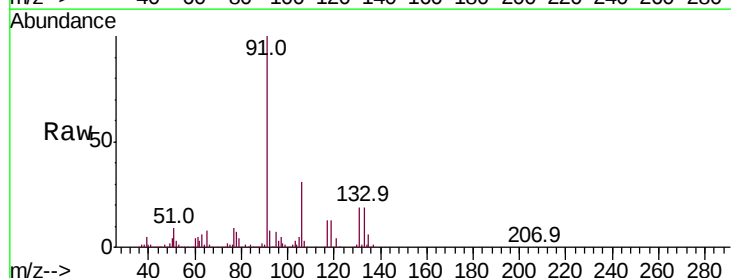
Manual Integrations
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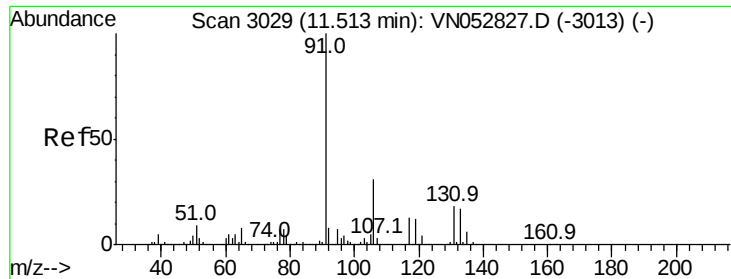
MMDadoda
12/17/2018 3:06:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.842 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion:131 Resp: 225732
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.3 33.3 99.8





#67

Ethyl Benzene

Concen: 19.916 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 91 Resp: 1118783

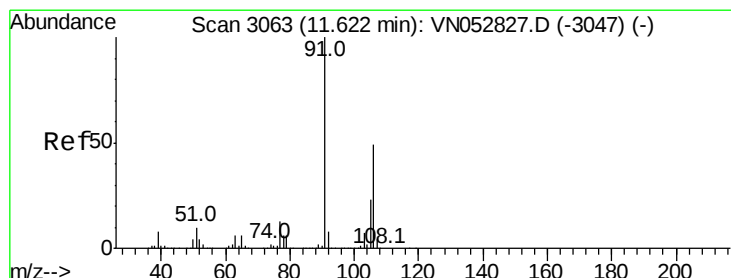
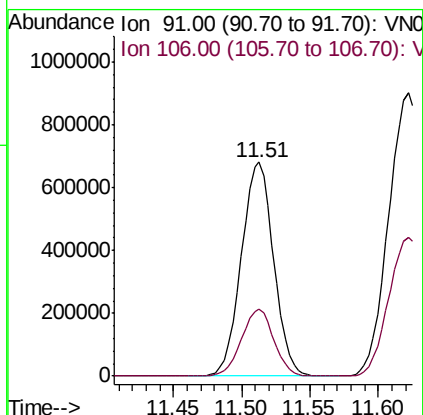
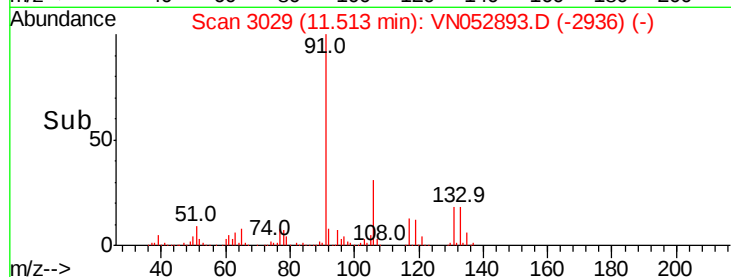
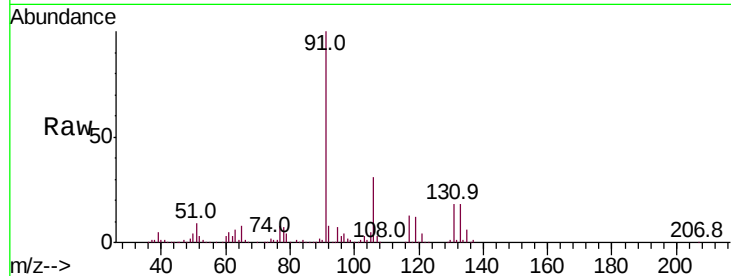
Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.097 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052893.D

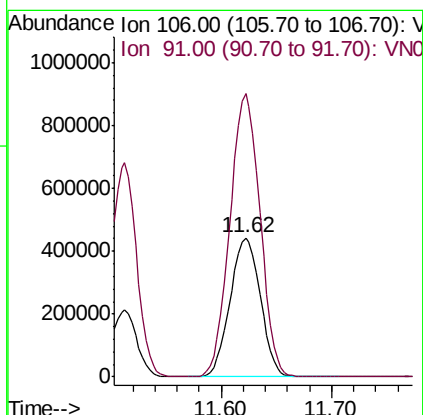
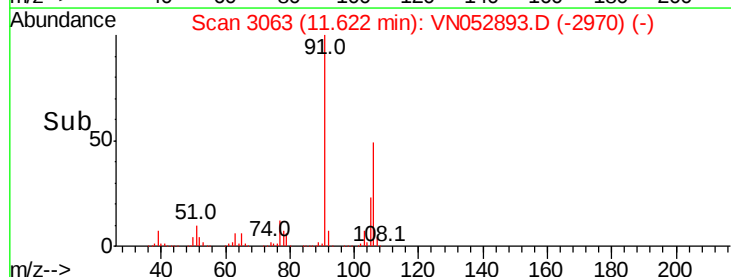
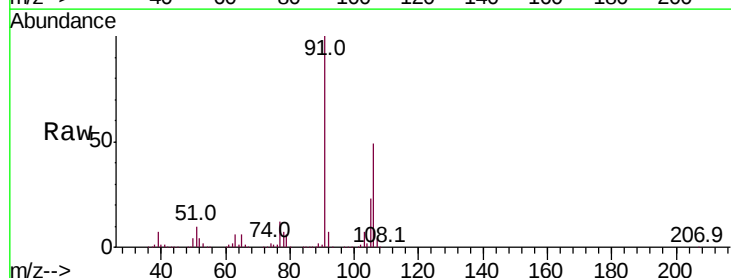
Acq: 14 Dec 2018 17:18

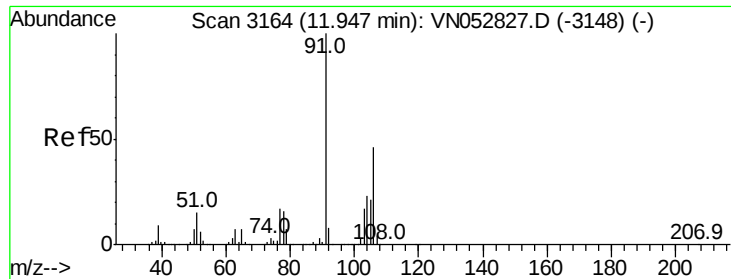
Tgt Ion: 106 Resp: 845766

Ion Ratio Lower Upper

106 100

91 201.9 162.2 243.4





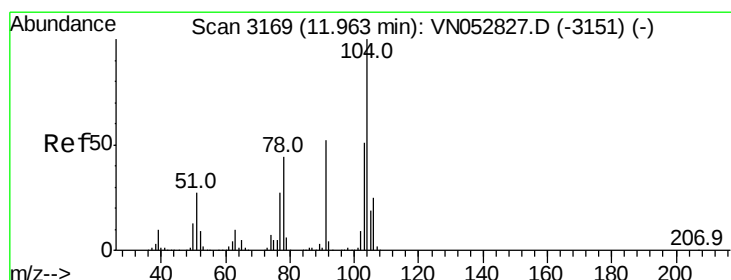
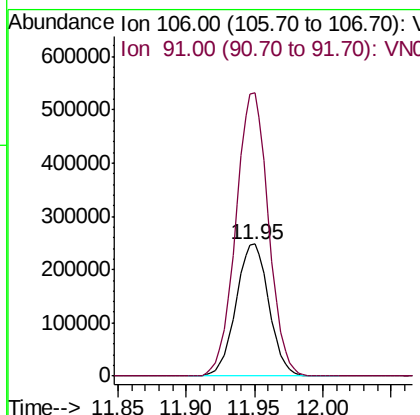
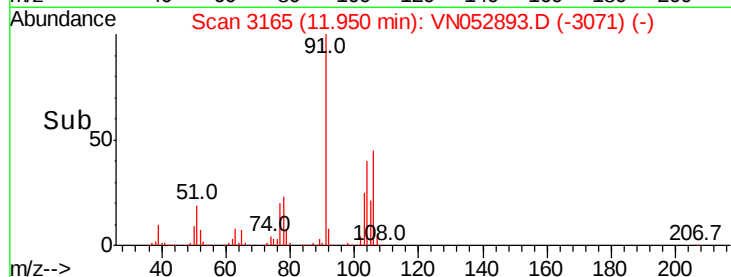
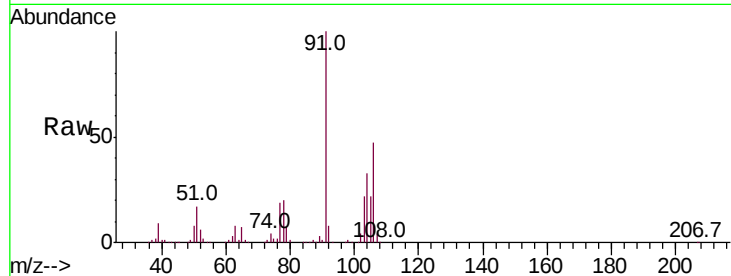
#69
o-Xylene
Concen: 20.130 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion:106 Resp: 414622
Ion Ratio Lower Upper
106 100
91 212.8 106.6 319.8

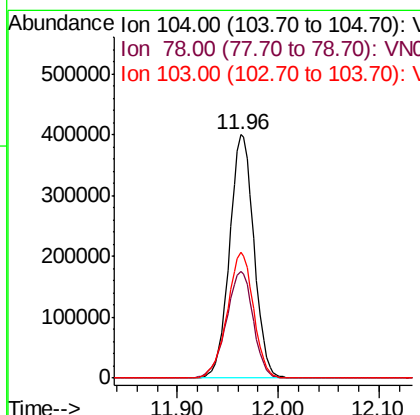
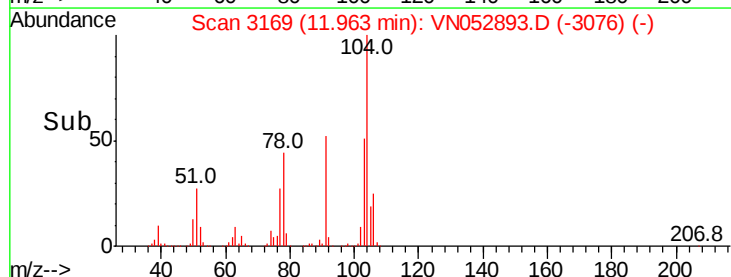
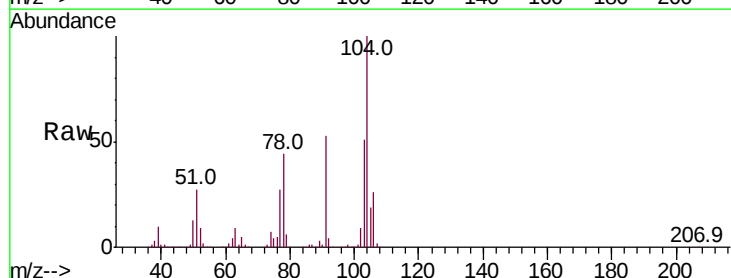
Manual Integrations
APPROVED

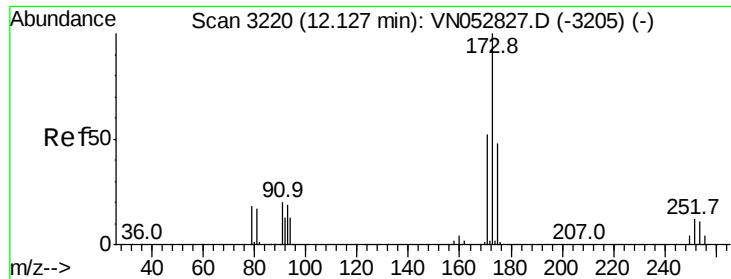
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#70
Styrene
Concen: 20.363 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion:104 Resp: 674231
Ion Ratio Lower Upper
104 100
78 48.4 38.9 58.3
103 55.5 44.3 66.5





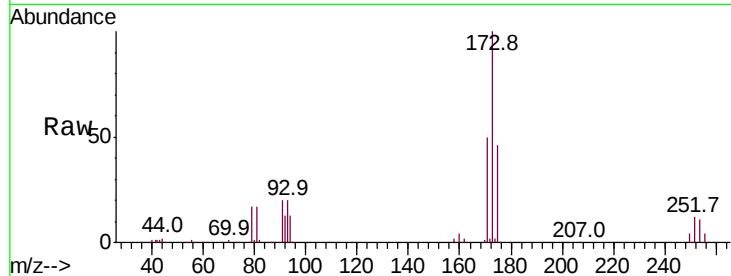
#71
Bromoform
Concen: 19.249 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

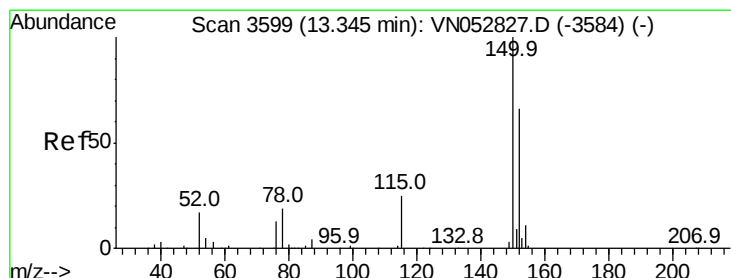
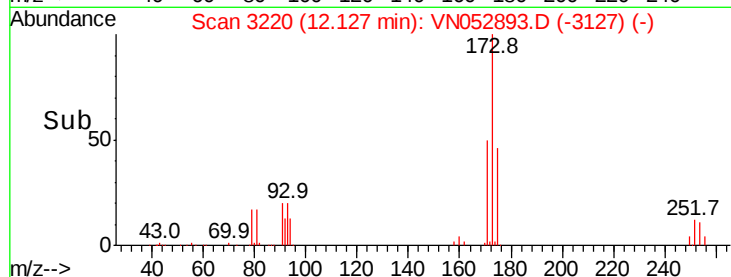
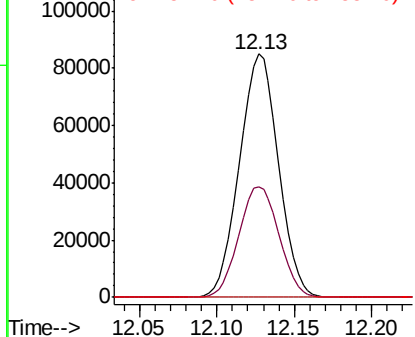
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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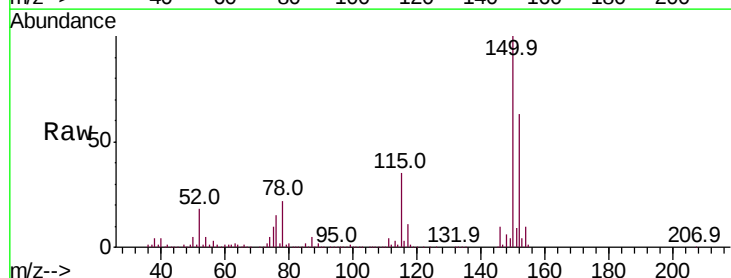


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

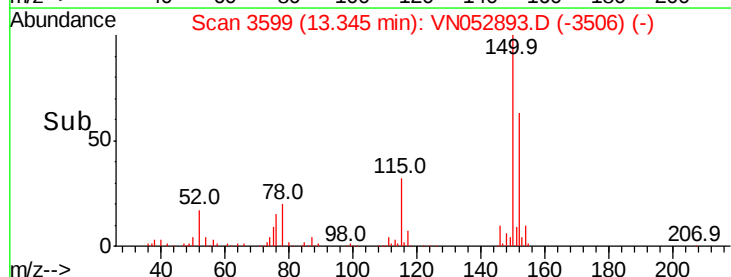
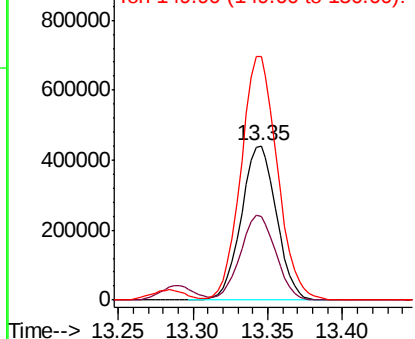


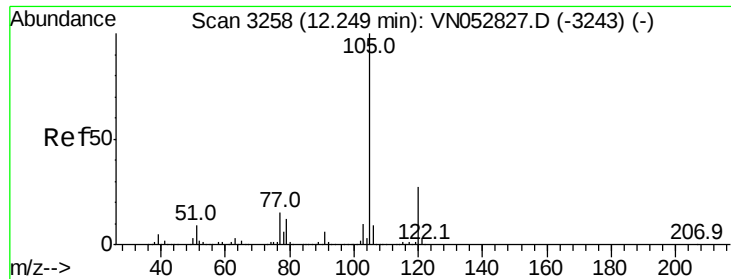
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.3	85.0
150	163.3	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: 20.215 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion:105 Resp: 1087988

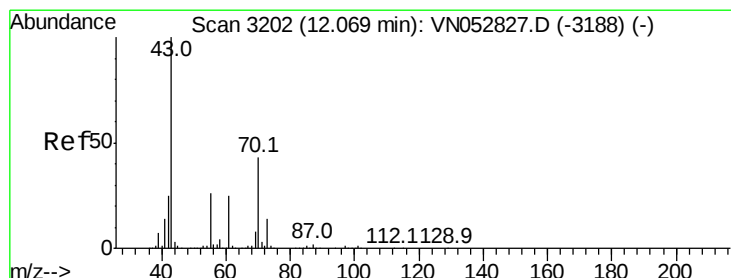
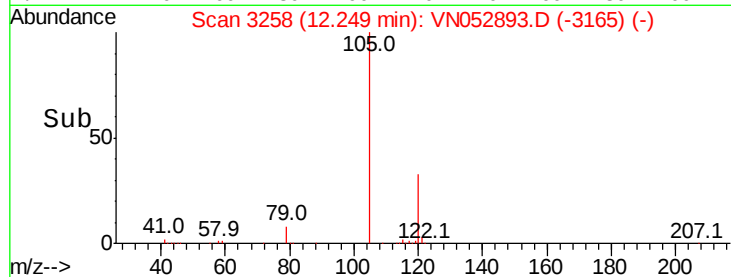
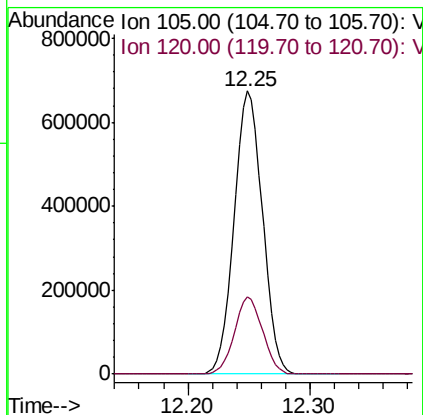
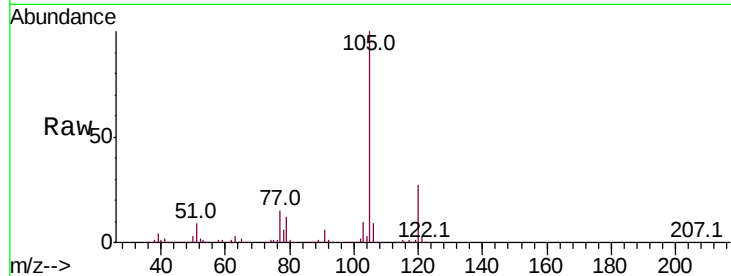
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.189 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion: 43 Resp: 298320

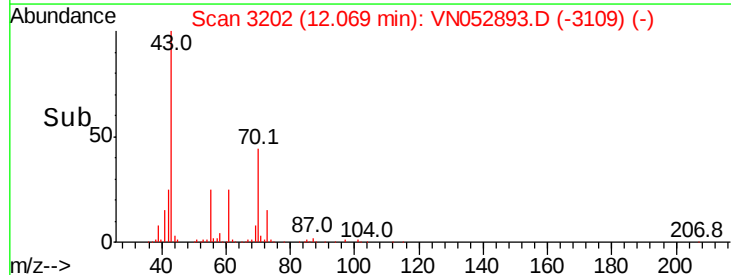
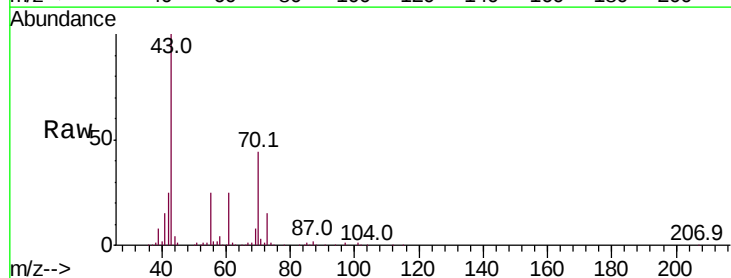
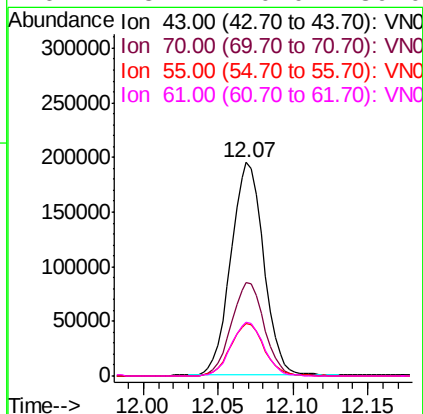
Ion Ratio Lower Upper

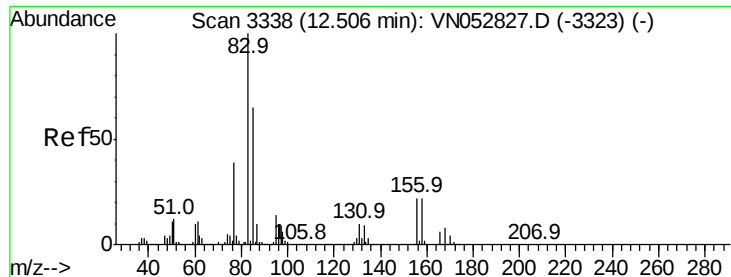
43 100

70 44.2 34.2 51.4

55 25.3 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 15.890 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 83 Resp: 191672
Ion Ratio Lower Upper

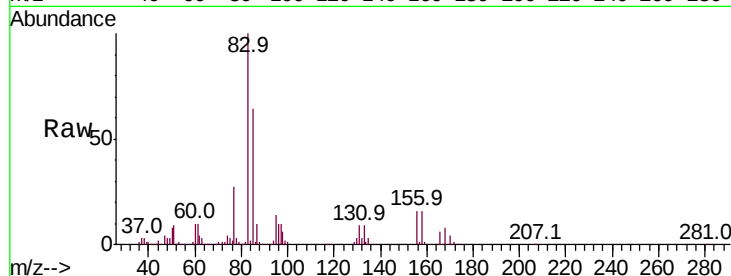
83 100

131 10.2 5.2 15.6

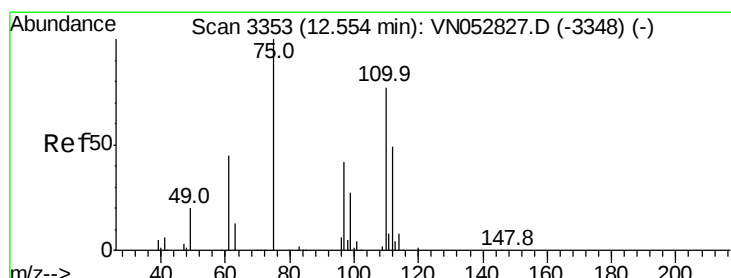
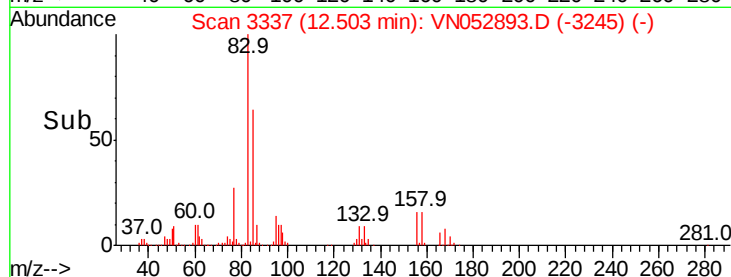
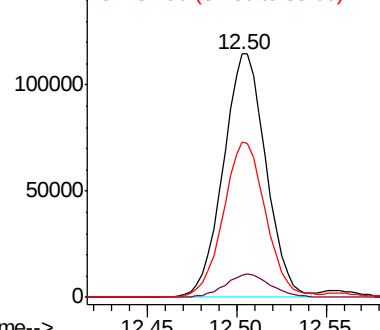
85 63.6 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 19.009 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

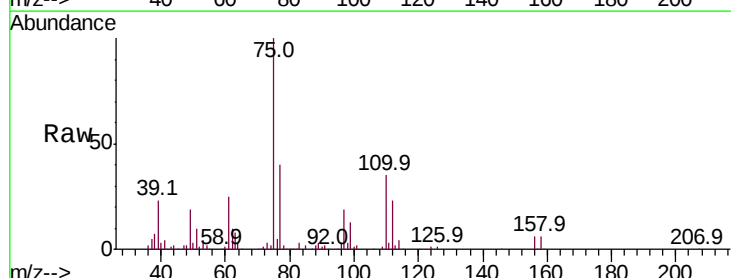
Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

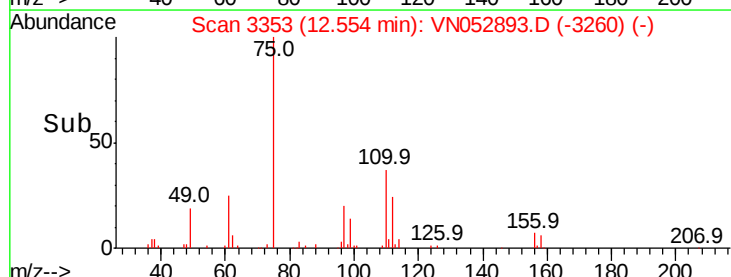
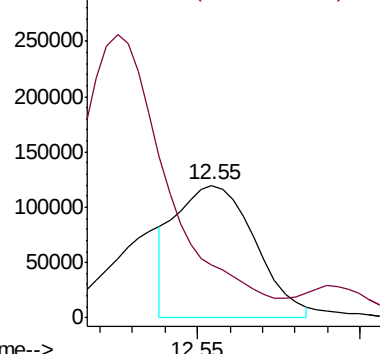
Tgt Ion: 75 Resp: 202169
Ion Ratio Lower Upper

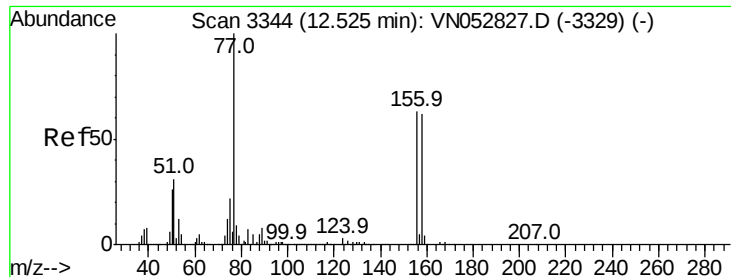
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.330 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

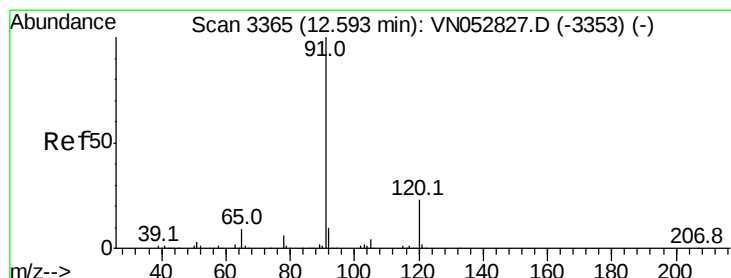
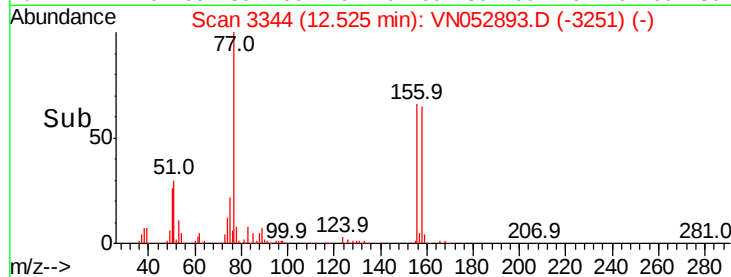
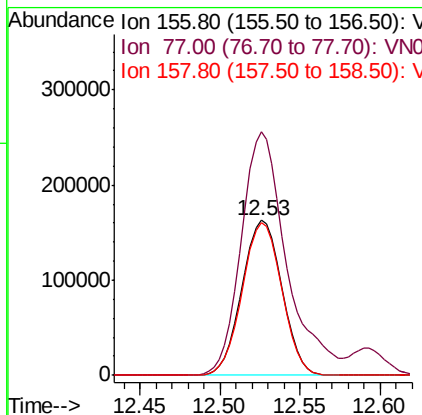
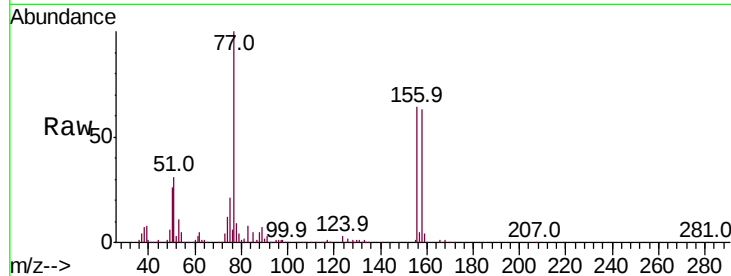
ClientSampleId :

VN1214WBSD02

Tot Ion:	156	Resp:	278311
Ion Ratio	Lower	Upper	
156	100		
77	179.6	91.3	273.8
158	97.3	49.0	147.2

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#78

n-propylbenzene

Concen: 20.175 ug/l

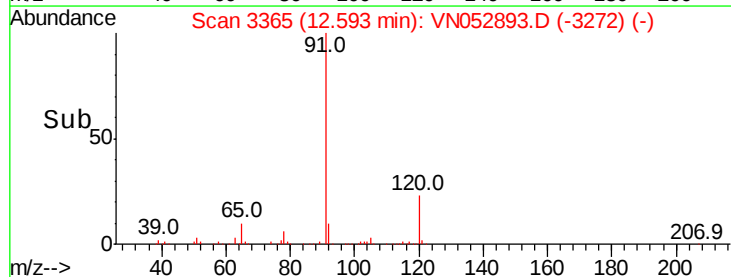
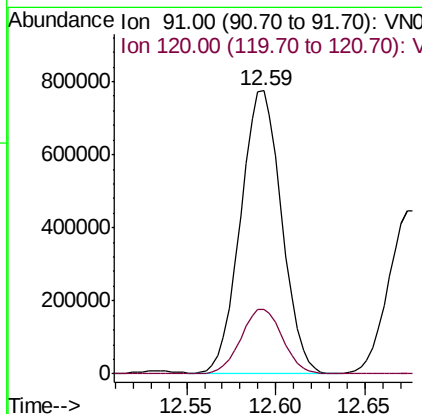
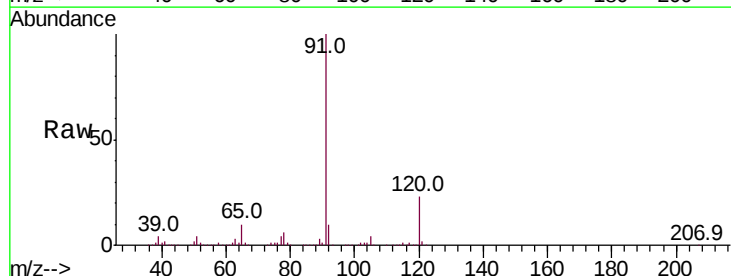
RT: 12.59 min Scan# 3365

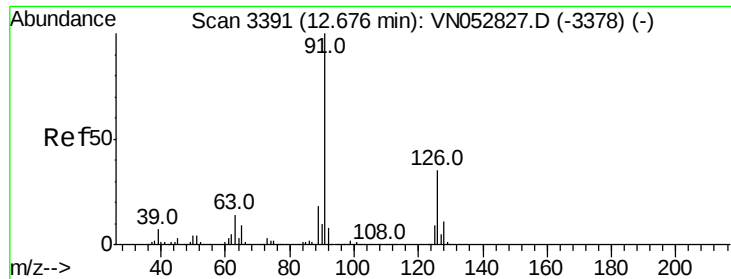
Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion:	91	Resp:	1238419
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.311 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion: 91 Resp: 737079

Ion Ratio Lower Upper

91 100

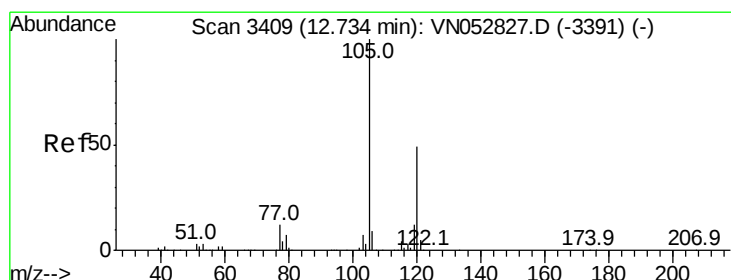
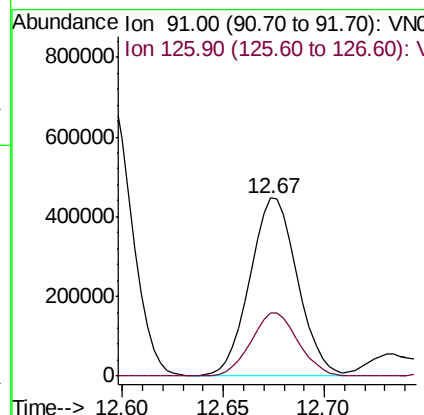
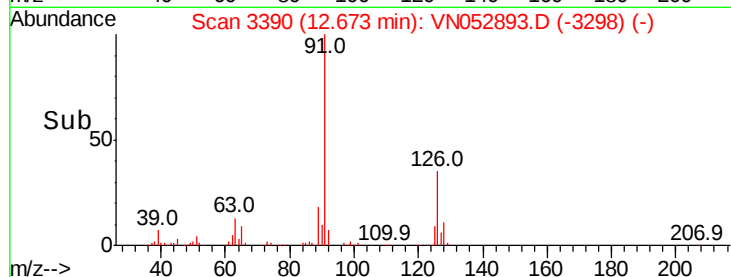
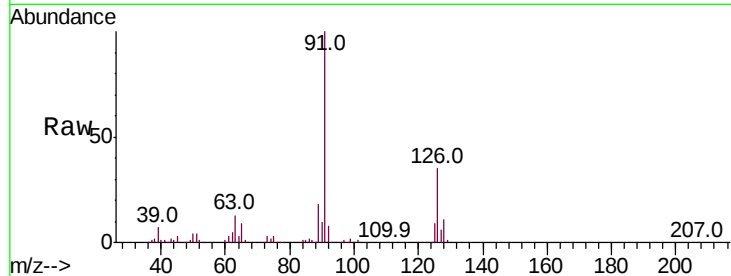
126 35.2 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.261 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052893.D

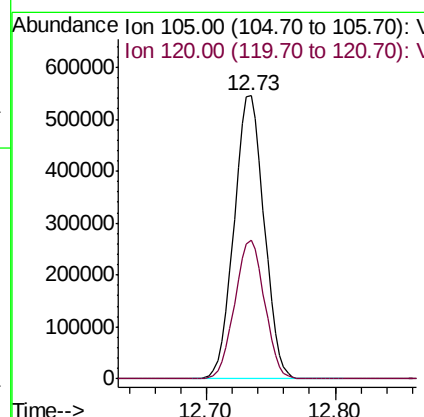
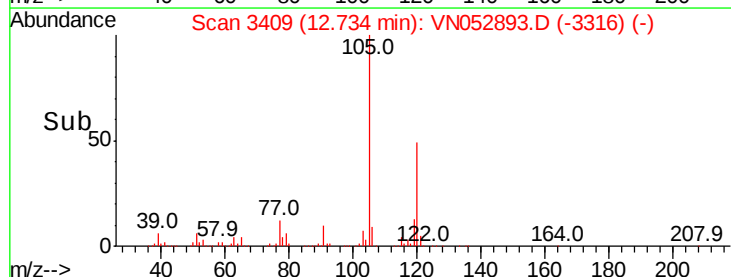
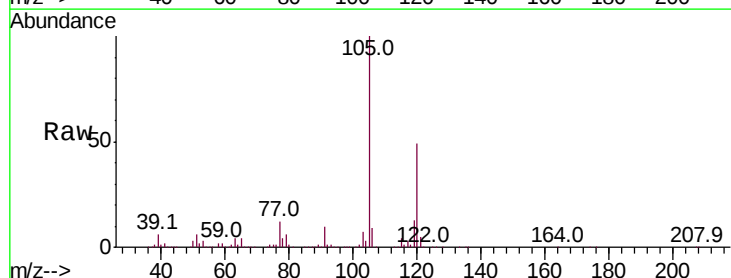
Acq: 14 Dec 2018 17:18

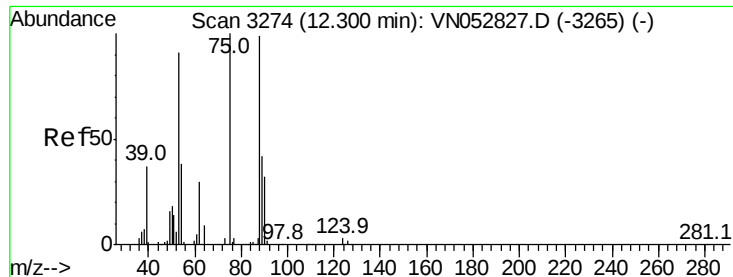
Tgt Ion: 105 Resp: 880306

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.288 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

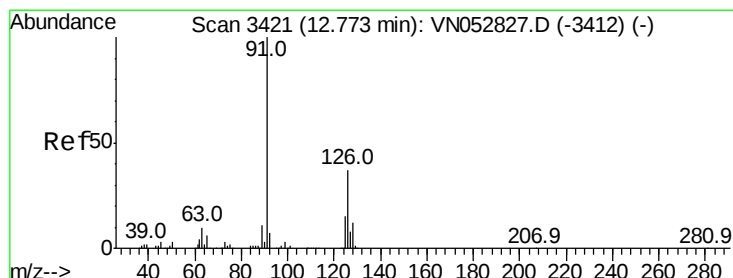
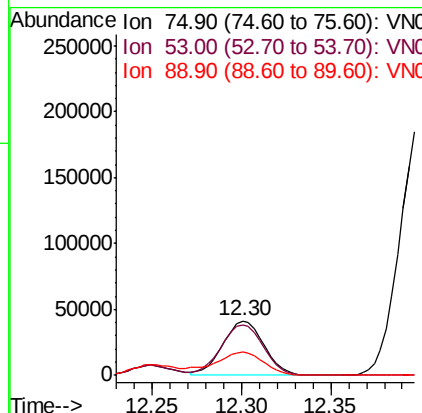
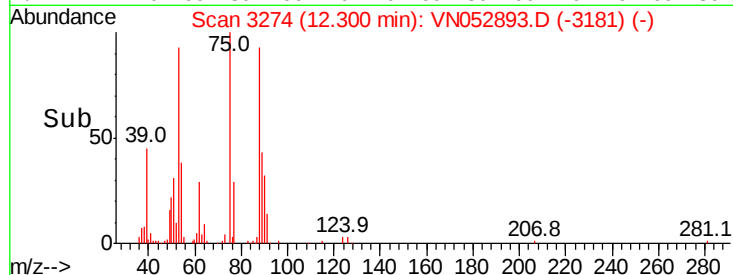
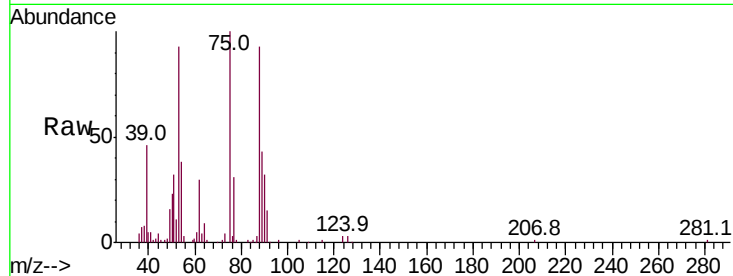
ClientSampleId :

VN1214WBSD02

Tot Ion:	75	Resp:	67168
Ion	Ratio	Lower	Upper
75	100		
53	96.2	74.7	112.1
89	45.7	36.1	54.1

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#82

4-Chlorotoluene

Concen: 19.968 ug/l

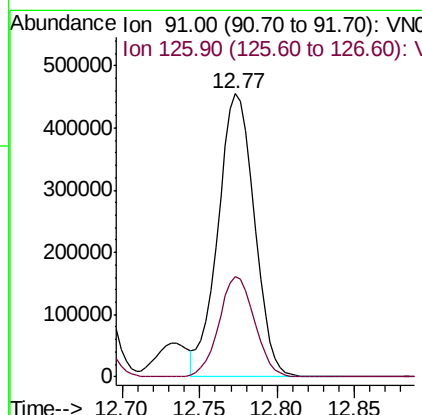
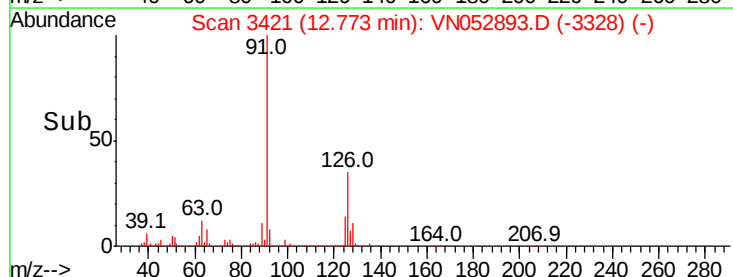
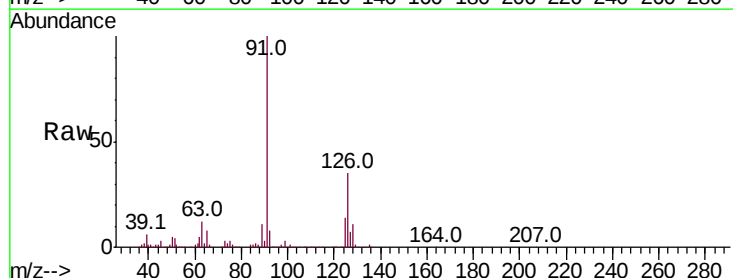
RT: 12.77 min Scan# 3421

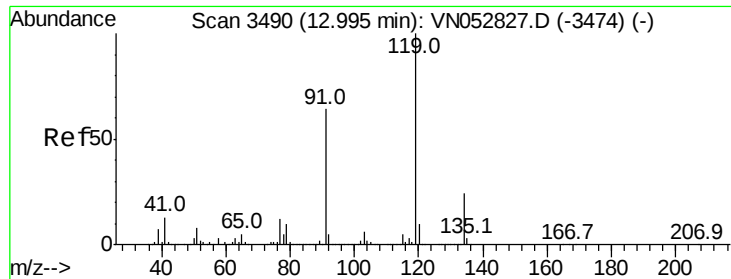
Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion:	91	Resp:	740887
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.7





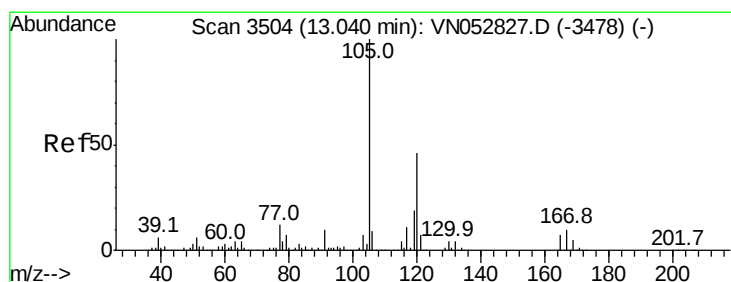
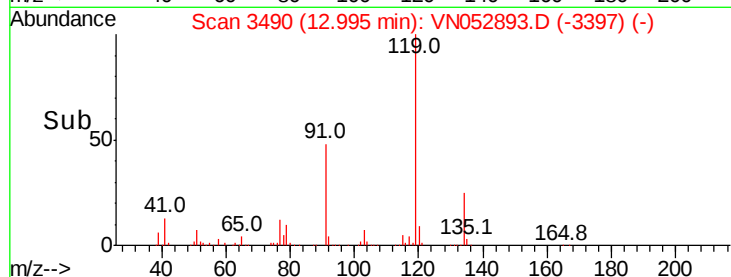
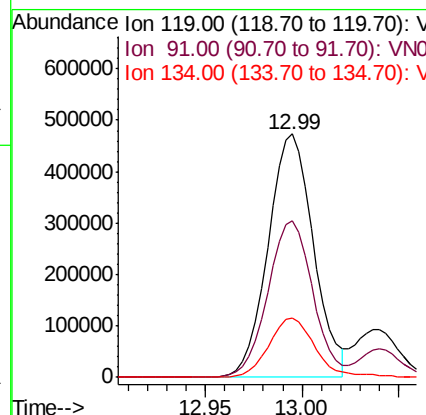
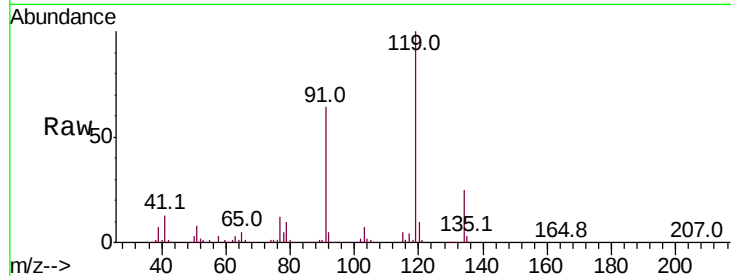
#83
tert-Butylbenzene
Concen: 20.103 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	31.9	95.5
134	25.1	12.8	38.4

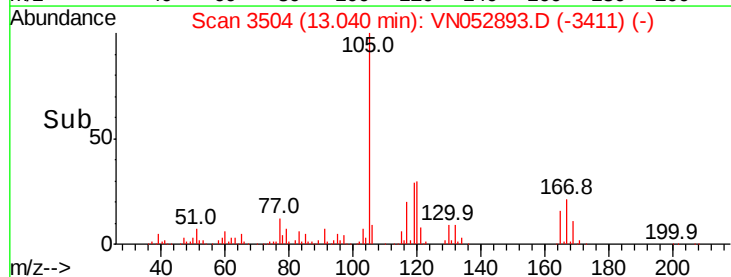
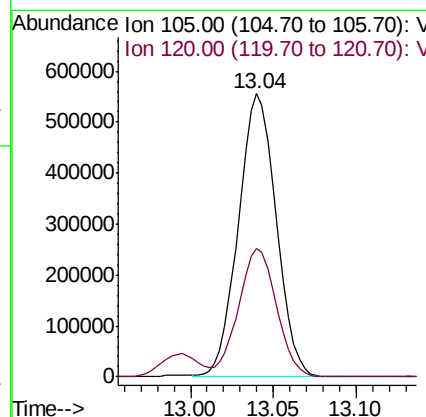
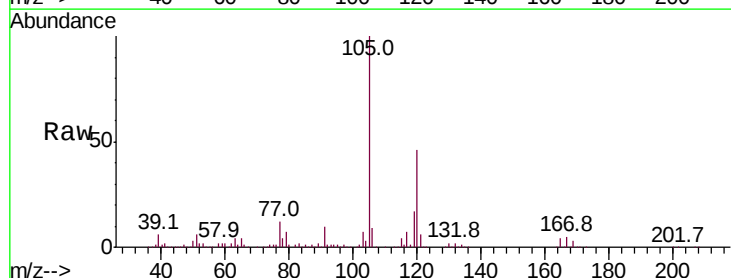
Manual Integrations
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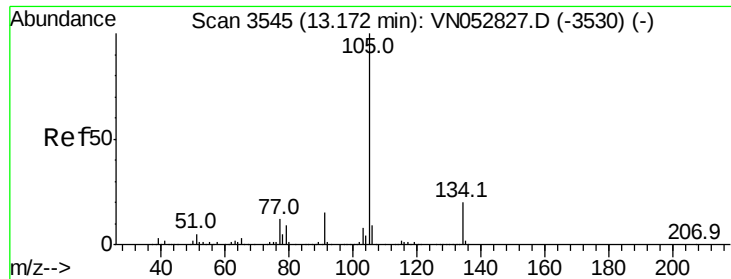
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.022 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.165 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBSD02

Tot Ion:105 Resp: 1046645

Ion Ratio Lower Upper

105 100

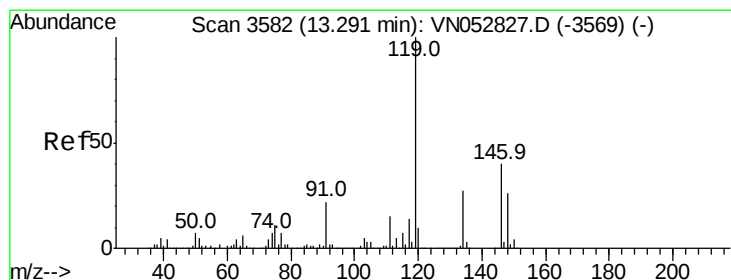
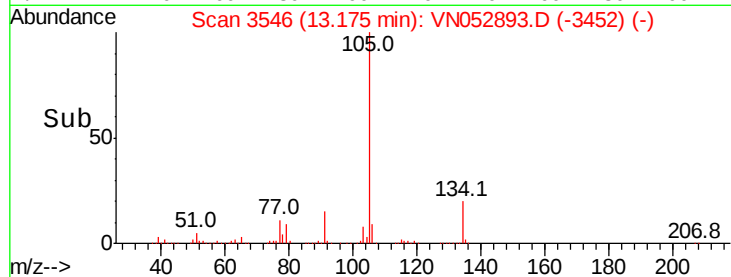
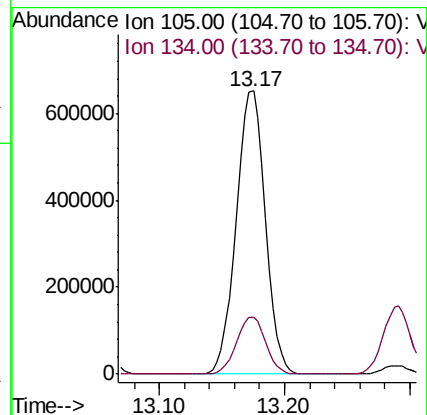
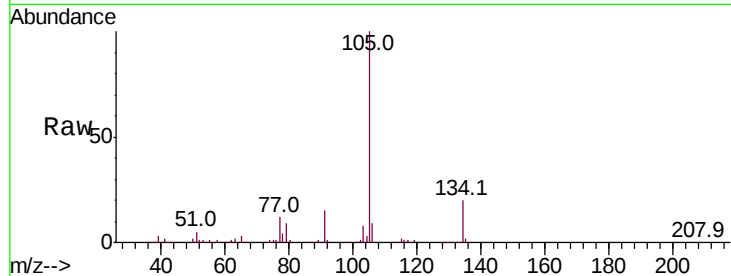
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 20.057 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

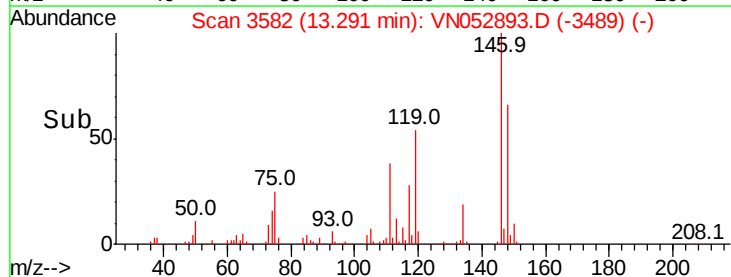
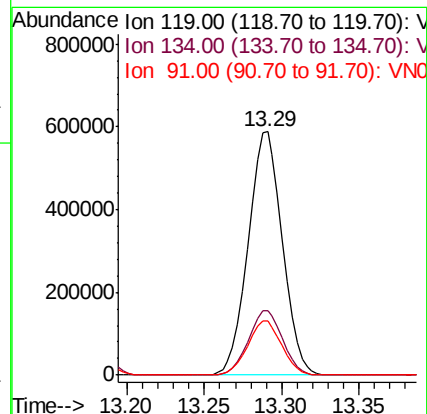
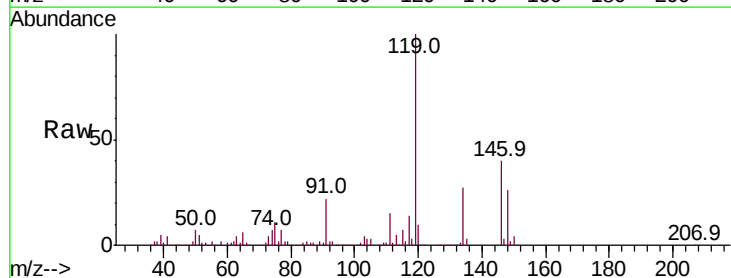
Tgt Ion:119 Resp: 901955

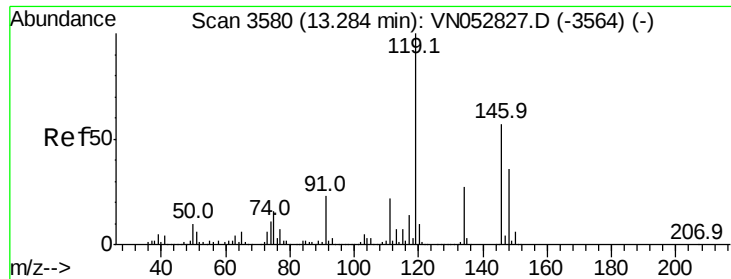
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.4 11.1 33.3





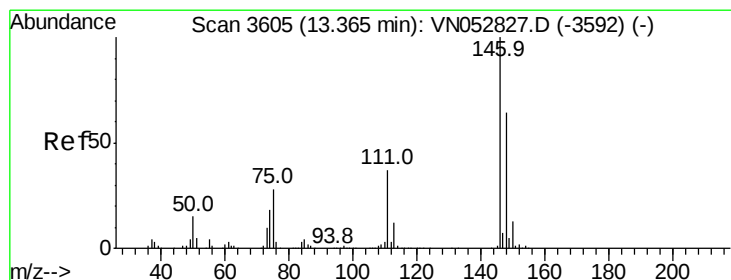
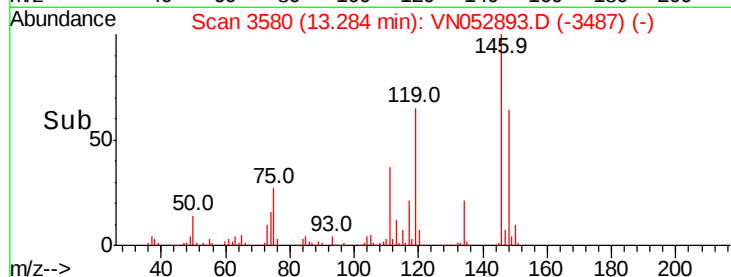
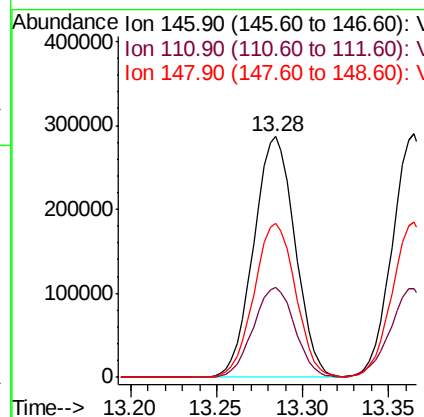
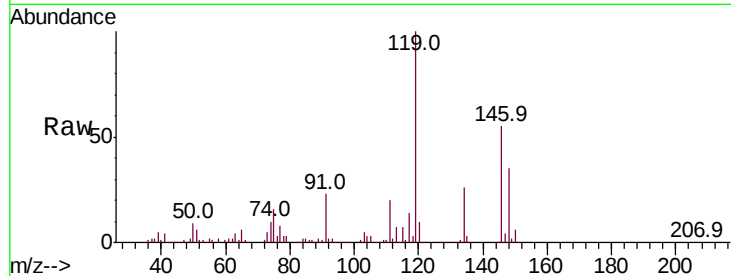
#87
 1,3-Dichlorobenzene
 Concen: 19.644 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	64.2	32.0	96.0

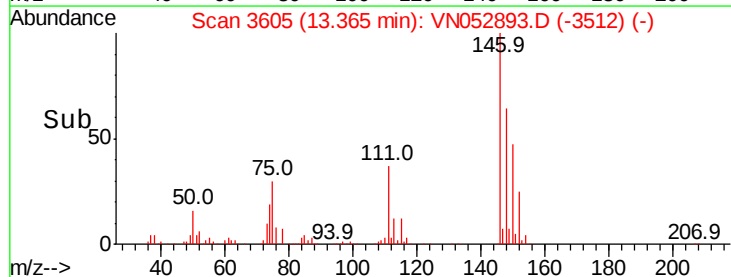
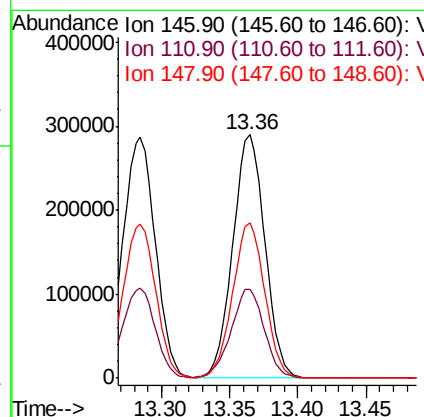
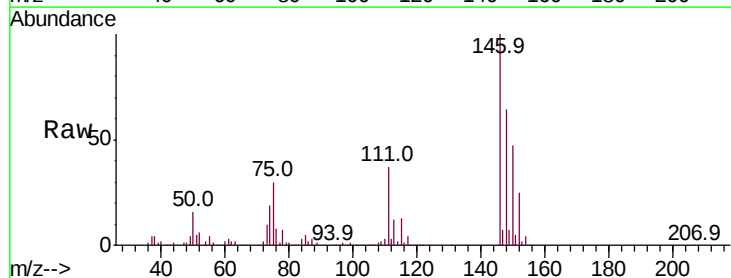
Manual Integrations
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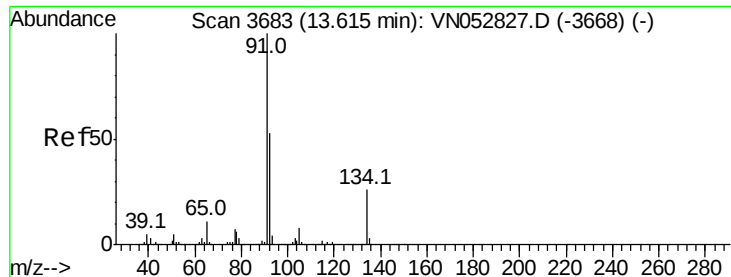
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#88
 1,4-Dichlorobenzene
 Concen: 19.675 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	63.8	32.1	96.5





#89

n-Butylbenzene

Concen: 19.551 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Instrument :

MSVOA_N

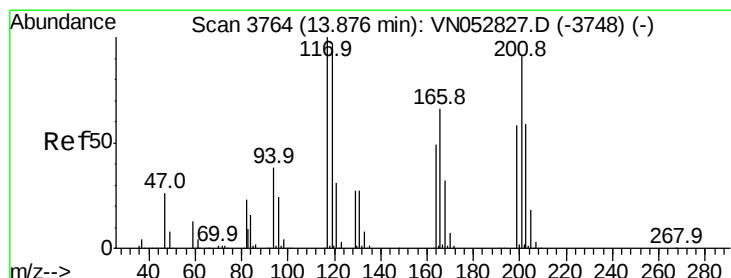
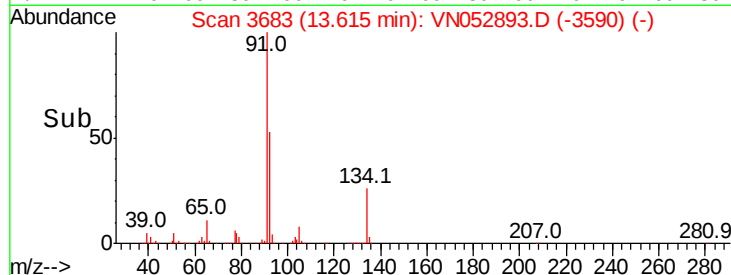
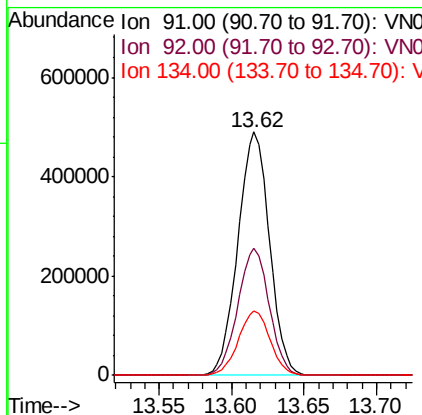
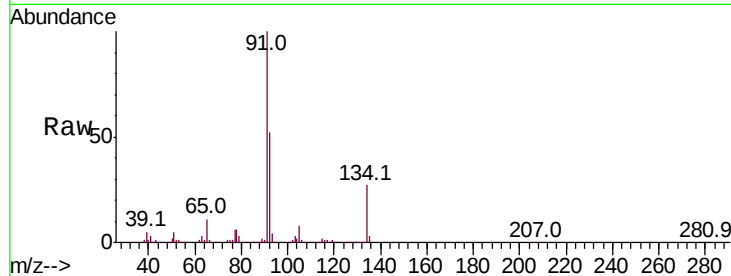
ClientSampleId :

VN1214WBSD02

Tot Ion:	91	Resp:	740125
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.3	78.9
134	26.5	13.3	39.8

Manual Integrations
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#90

Hexachloroethane

Concen: 17.666 ug/l

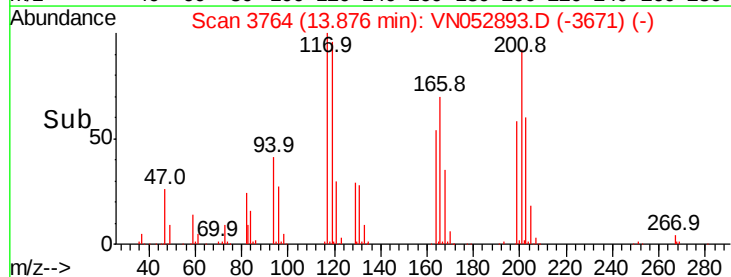
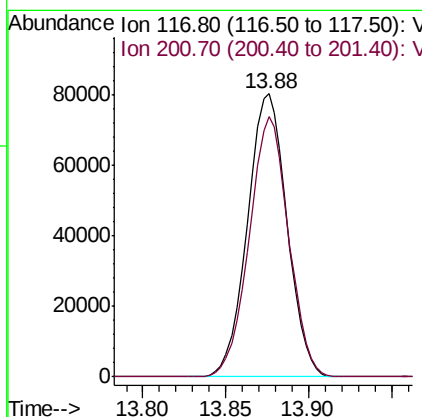
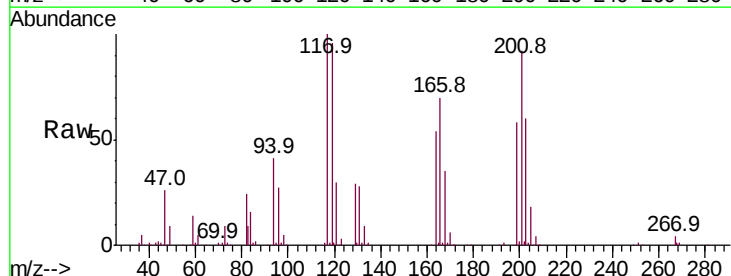
RT: 13.88 min Scan# 3764

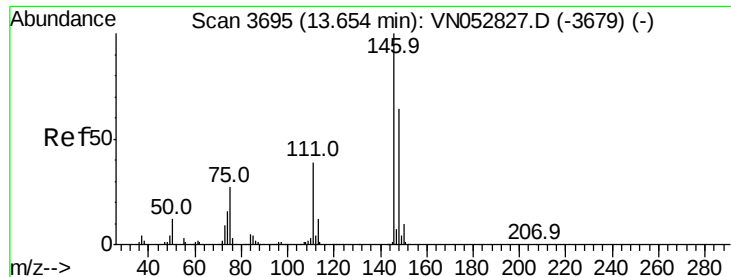
Delta R.T. 0.00 min

Lab File: VN052893.D

Acq: 14 Dec 2018 17:18

Tgt Ion:	117	Resp:	133022
Ion Ratio	Lower	Upper	
117	100		
201	91.2	45.7	137.1





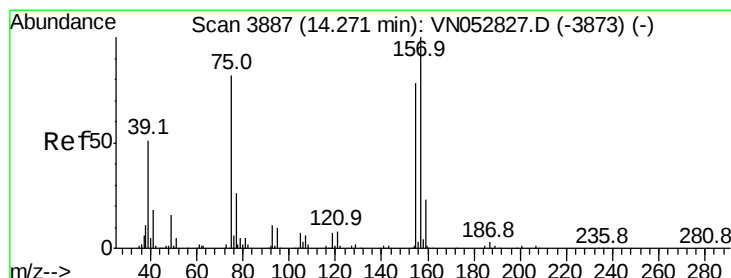
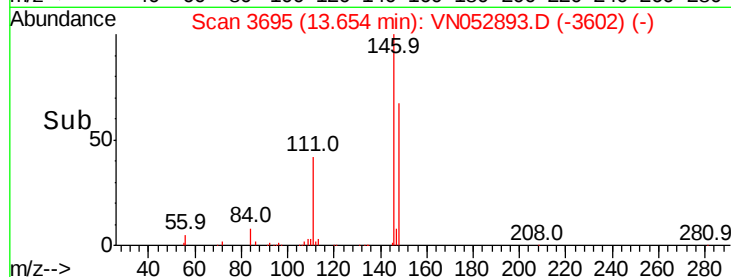
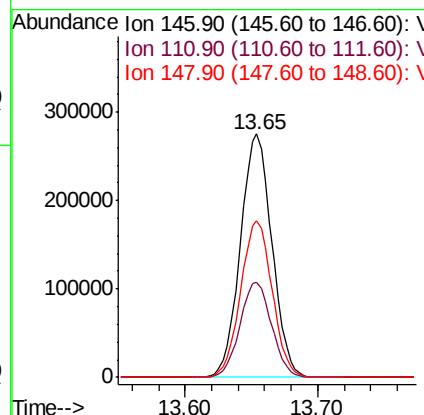
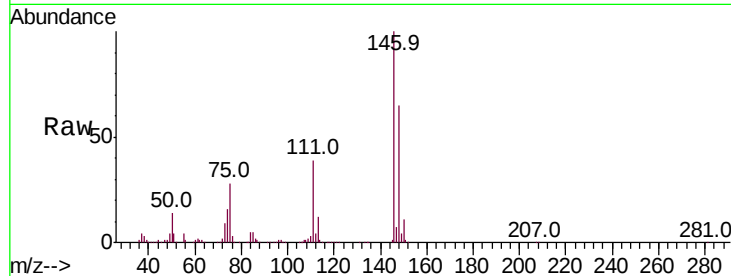
#91
 1,2-Dichlorobenzene
 Concen: 19.359 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.5	32.0	96.0

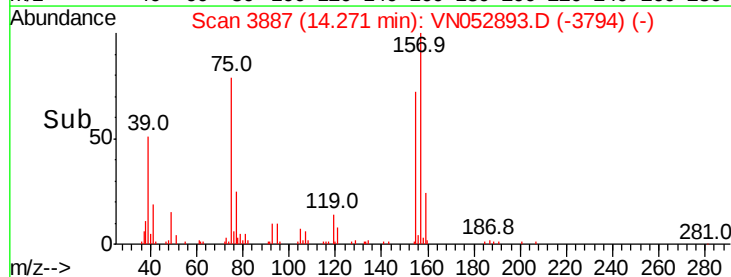
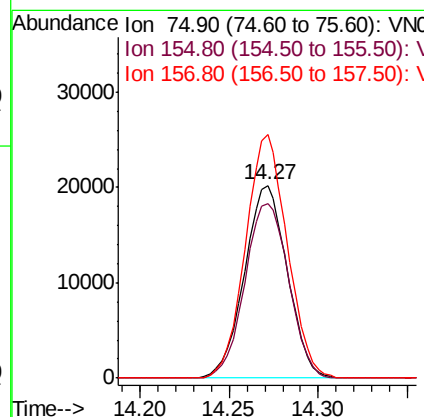
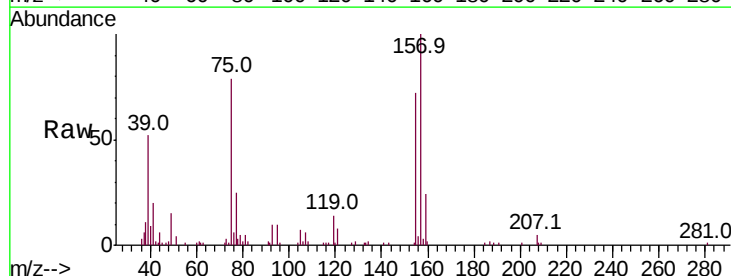
Manual Integrations
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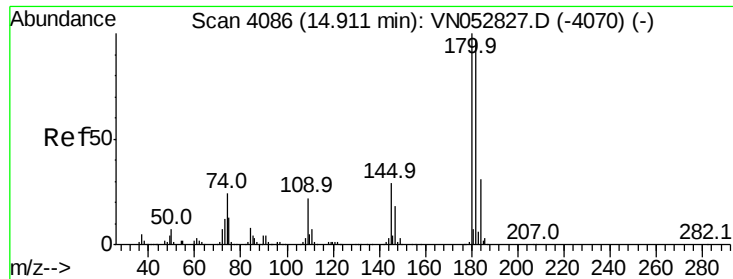
MMDadoda
 12/17/2018 3:06:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.629 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	48.2	144.6
157	123.3	61.2	183.5





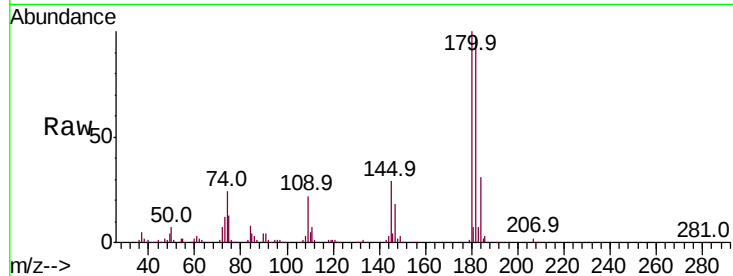
#93
 1,2,4-Trichlorobenzene
 Concen: 18.270 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	232404		
182	95.0	47.8	143.3	
145	28.4	14.2	42.6	

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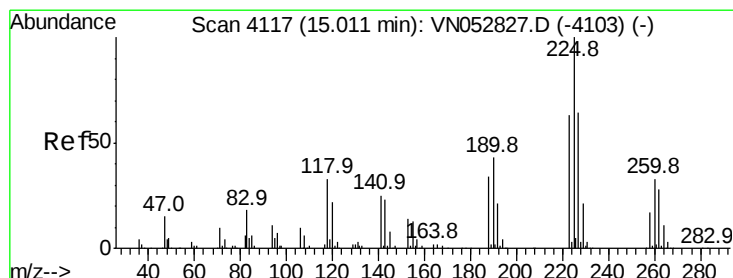
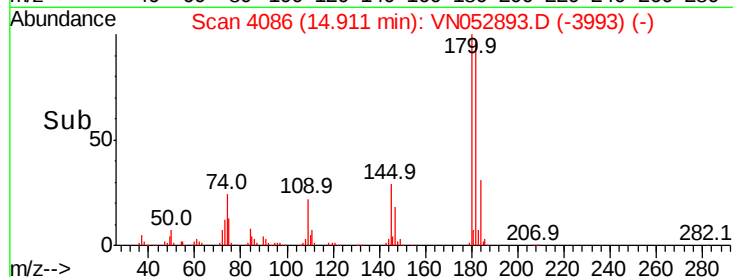
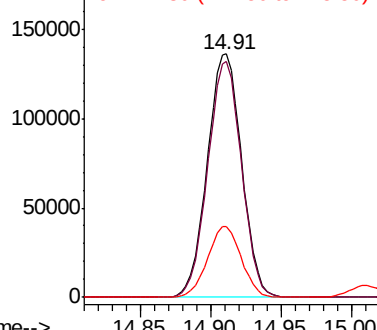


Abundance

Ion 179.80 (179.50 to 180.50): V

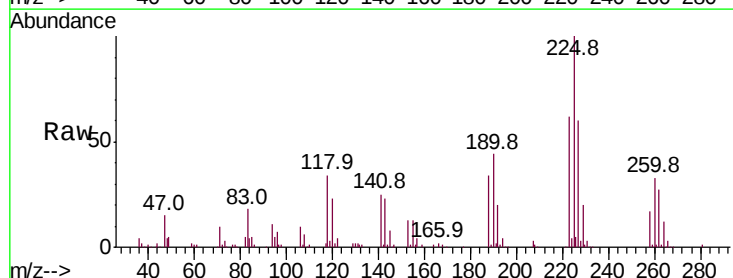
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.641 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052893.D
 Acq: 14 Dec 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137247		
223	62.5	31.5	94.5	
227	62.7	31.9	95.7	

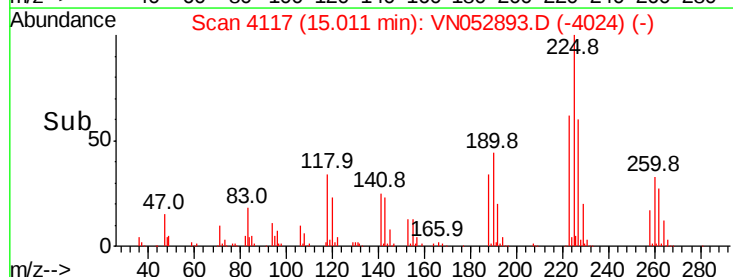
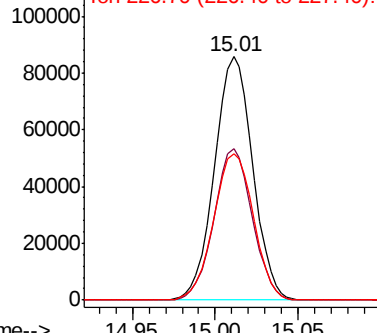


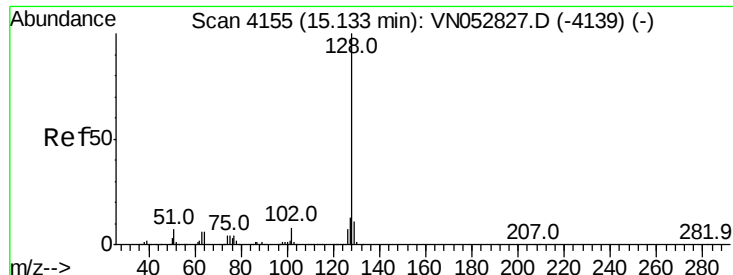
Abundance

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





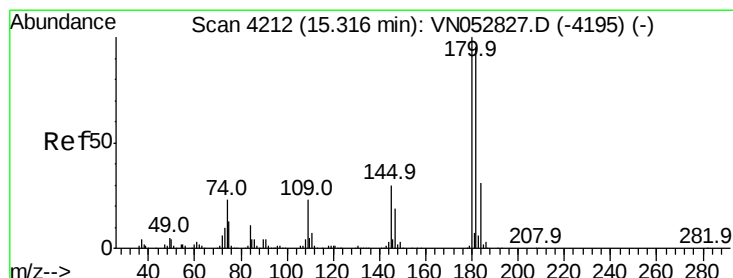
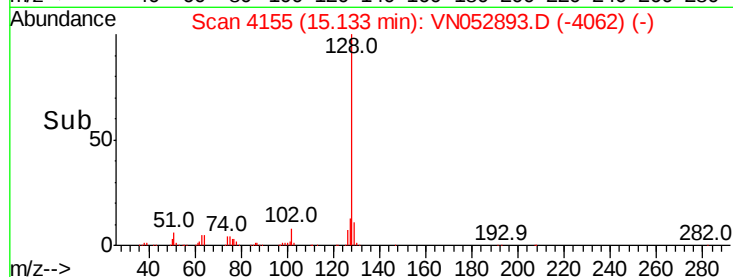
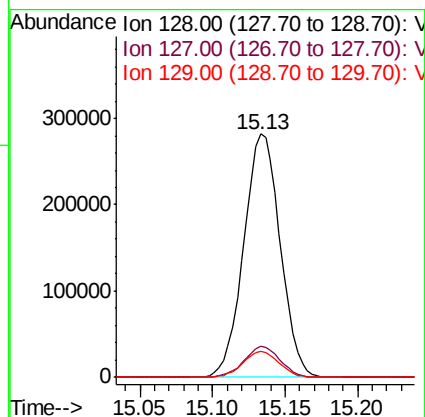
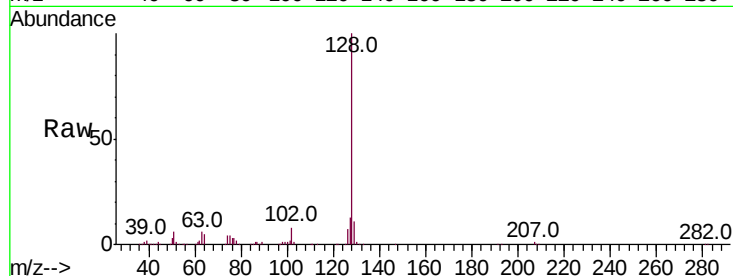
#95
Naphthalene
Concen: 18.708 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBSD02

Tot Ion:	128	Resp:	492870
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.6	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 17.502 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052893.D
Acq: 14 Dec 2018 17:18

Tgt Ion:	180	Resp:	204286
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.9	143.7
145	30.8	15.0	45.0

