

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052835.D
 Acq On : 12 Dec 2018 18:53
 Operator : MD\SY
 Sample : VN1212WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:39 PM

Quant Time: Dec 13 04:29:42 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	1002753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1561619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1383871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	636492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	546544	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	441049	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.09	98	1916675	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	643513	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	206704	20.025	ug/l	98
3) Chloromethane	2.06	50	249634	20.150	ug/l	99
4) Vinyl Chloride	2.19	62	253263	20.434	ug/l	99
5) Bromomethane	2.58	94	149931	19.612	ug/l	99
6) Chloroethane	2.71	64	149583	20.418	ug/l	99
7) Trichlorofluoromethane	3.03	101	310305	20.194	ug/l	99
8) Diethyl Ether	3.42	74	118289	21.103	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	190711	20.025	ug/l	100
10) Methyl Iodide	3.96	142	242311	18.168	ug/l	99
11) Tert butyl alcohol	4.78	59	53746	90.215	ug/l	98
12) 1,1-Dichloroethene	3.74	96	185356	20.105	ug/l	98
13) Acrolein	3.61	56	63842	113.820	ug/l	100
14) Allyl chloride	4.33	41	309232	20.536	ug/l	95
15) Acrylonitrile	4.99	53	345702	103.435	ug/l	99
16) Acetone	3.81	43	232212	96.972	ug/l	99
17) Carbon Disulfide	4.06	76	551850	19.485	ug/l	99
18) Methyl Acetate	4.33	43	170136	19.359	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	507689	20.285	ug/l	100
20) Methylene Chloride	4.55	84	210110	19.497	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	196966	19.720	ug/l	99
22) Diisopropyl ether	5.95	45	651855	20.291	ug/l	99
23) Vinyl Acetate	5.90	43	1979311	103.545	ug/l	99
24) 1,1-Dichloroethane	5.85	63	371504	20.054	ug/l	99
25) 2-Butanone	6.84	43	361100	97.184	ug/l	99
26) 2,2-Dichloropropane	6.83	77	260594	19.102	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	227183	20.041	ug/l	99
28) Bromochloromethane	7.20	49	172317	20.714	ug/l	99
29) Tetrahydrofuran	7.21	42	257144	101.373	ug/l	100
30) Chloroform	7.37	83	363535	20.123	ug/l	100
31) Cyclohexane	7.66	56	361509	19.656	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	301638	19.956	ug/l	99
36) 1,1-Dichloropropene	7.80	75	286391	19.915	ug/l	99
37) Ethyl Acetate	6.93	43	173591	20.094	ug/l	99
38) Carbon Tetrachloride	7.78	117	262084	19.800	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	336309	19.057	ug/l	99
40) Benzene	8.04	78	860129	19.928	ug/l	99
41) Methacrylonitrile	7.17	41	96027	20.062	ug/l	98
42) 1,2-Dichloroethane	8.13	62	262831	20.227	ug/l	99
43) Isopropyl Acetate	8.17	43	324799	18.338	ug/l #	88
44) Trichloroethene	8.84	130	228153	19.570	ug/l	99
45) 1,2-Dichloropropane	9.12	63	224128	19.826	ug/l	96
46) Dibromomethane	9.21	93	132090	20.147	ug/l	99
47) Bromodichloromethane	9.40	83	271398	19.962	ug/l	99
48) Methyl methacrylate	9.20	41	157353	20.258	ug/l	98
49) 1,4-Dioxane	9.20	88	32257	365.860	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	837609	103.132	ug/l	100
52) Toluene	10.16	92	529622	20.260	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	270324	19.759	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	318048	19.509	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186236	19.958	ug/l	98
56) Ethyl methacrylate	10.43	69	241084	20.131	ug/l	100
57) 1,3-Dichloropropane	10.71	76	322549	20.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	672171	100.592	ug/l	99
59) 2-Hexanone	10.75	43	556471	99.978	ug/l	100
60) Dibromochloromethane	10.90	129	200564	19.887	ug/l	100
61) 1,2-Dibromoethane	11.01	107	185659	20.128	ug/l	100
64) Tetrachloroethene	10.63	164	241021	20.264	ug/l	97
65) Chlorobenzene	11.44	112	569669	19.842	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	197555	19.785	ug/l	99
67) Ethyl Benzene	11.51	91	988141	20.042	ug/l	100
68) m/p-Xylenes	11.62	106	748532	40.432	ug/l	99
69) o-Xylene	11.95	106	363545	20.110	ug/l	99
70) Styrene	11.96	104	591370	20.349	ug/l	100
71) Bromoform	12.13	173	134481	19.825	ug/l	100
73) Isopropylbenzene	12.25	105	964334	20.292	ug/l	100
74) N-amyl acetate	12.07	43	265870	20.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	217644	20.435	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	188134m	20.034	ug/l	
77) Bromobenzene	12.53	156	245630	20.321	ug/l	99
78) n-propylbenzene	12.59	91	1092594	20.159	ug/l	100
79) 2-Chlorotoluene	12.67	91	649301	20.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	773002	20.150	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57131	19.544	ug/l	98
82) 4-Chlorotoluene	12.77	91	656320	20.034	ug/l	100
83) tert-Butylbenzene	12.99	119	685387	20.253	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	788607	20.305	ug/l	100
85) sec-Butylbenzene	13.17	105	926351	20.213	ug/l	100
86) p-Isopropyltoluene	13.29	119	800540	20.162	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	422731	19.680	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	421734	19.826	ug/l	99
89) n-Butylbenzene	13.62	91	653999	19.566	ug/l	99
90) Hexachloroethane	13.88	117	129723	19.511	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	416745	20.169	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32830	20.449	ug/l	96

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QLast Update : Thu Dec 13 01:08:35 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212059	18.880	ug/l	99
94) Hexachlorobutadiene	15.01	225	128864	19.822	ug/l	97
95) Naphthalene	15.13	128	442203	19.009	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	198914	19.301	ug/l	99

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

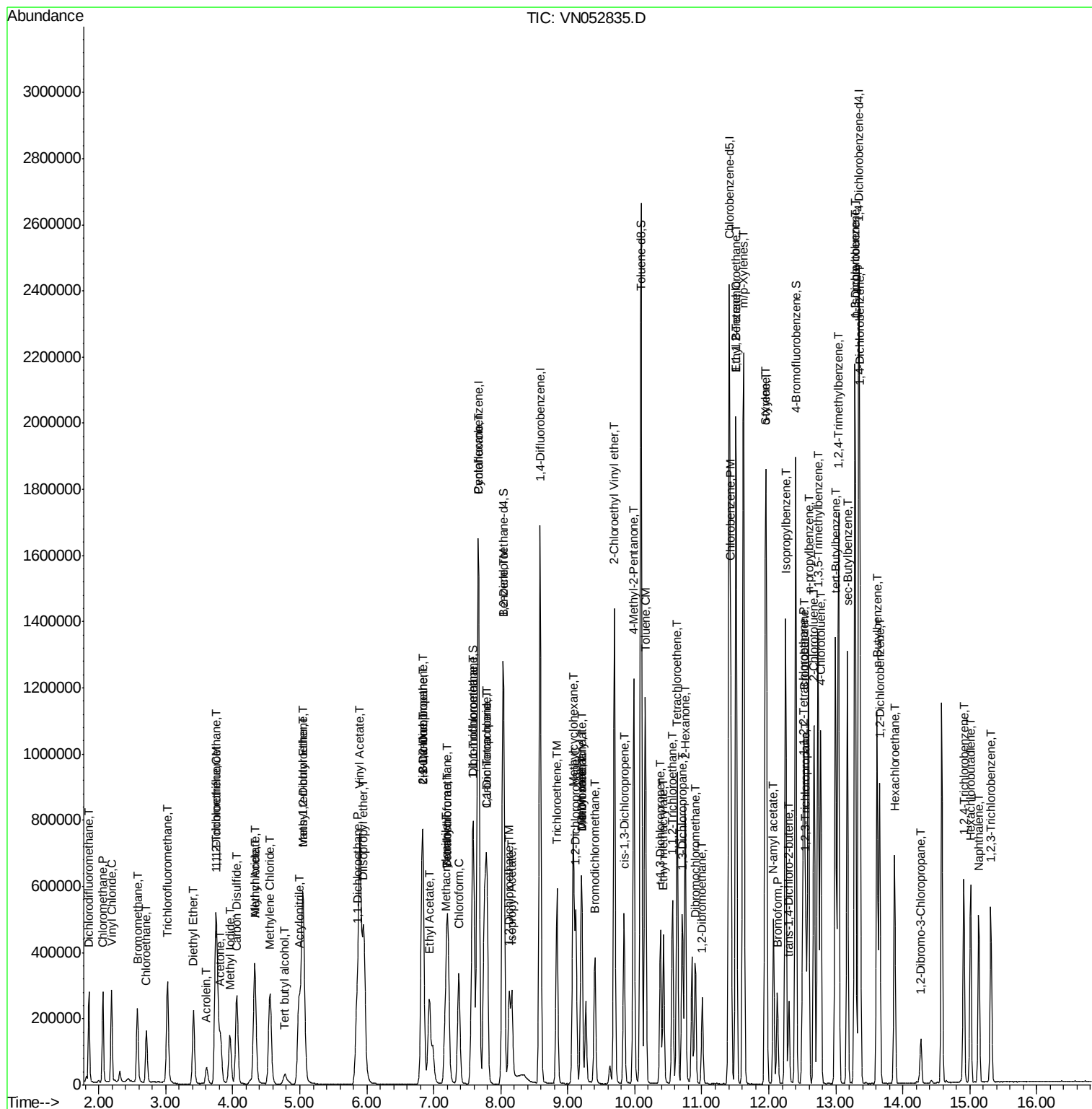
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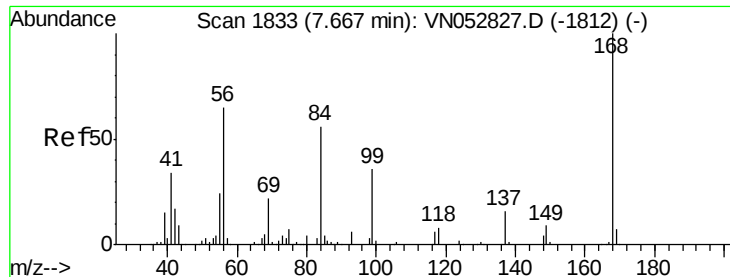
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion:168 Resp: 1002753

Ion Ratio Lower Upper

168 100

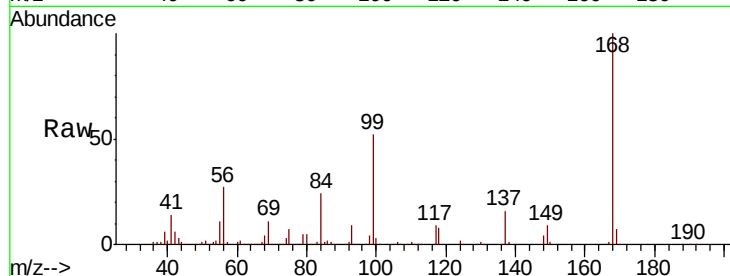
99 51.6 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

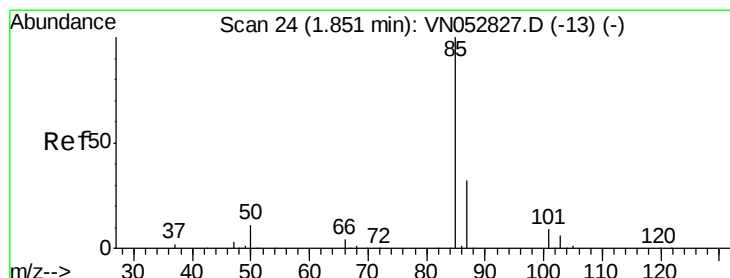
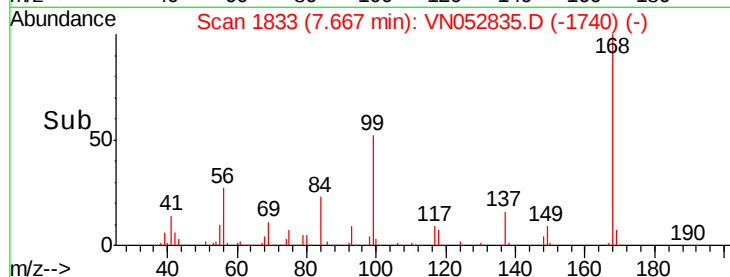
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.025 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052835.D

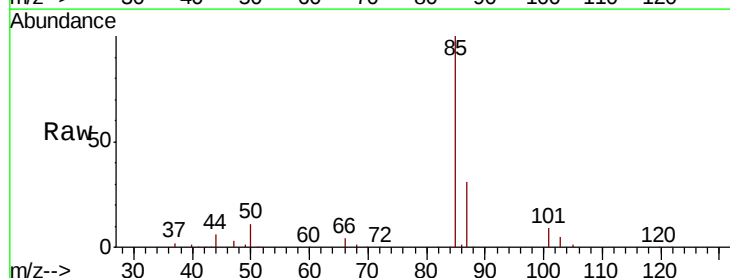
Acq: 12 Dec 2018 18:53

Tgt Ion: 85 Resp: 206704

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

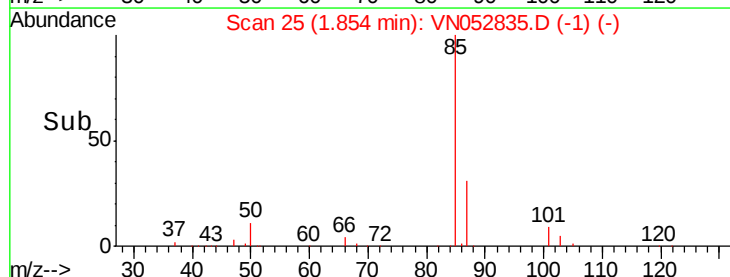
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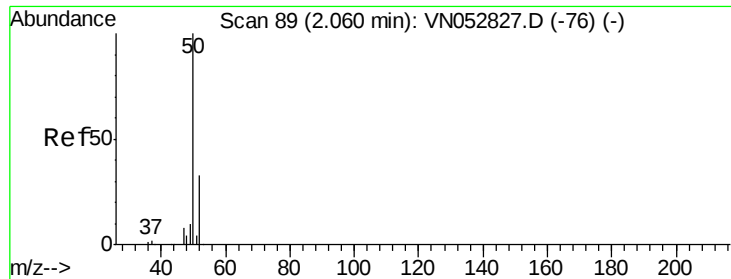
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.150 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 50 Resp: 249634

Ion Ratio Lower Upper

50 100

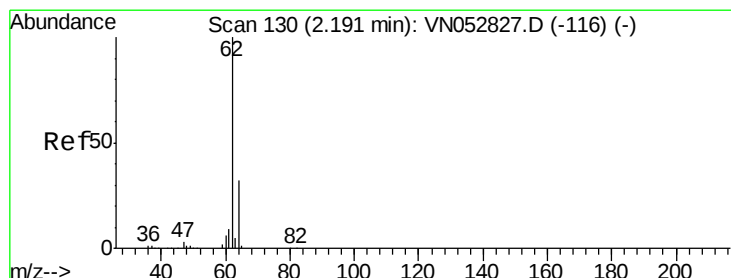
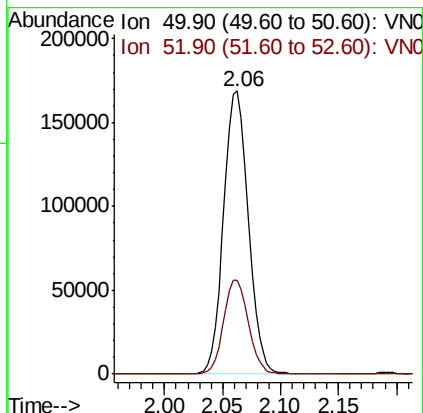
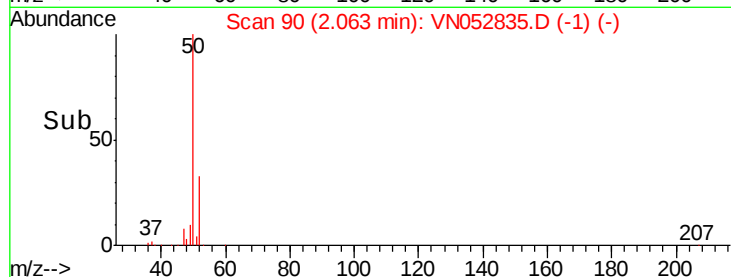
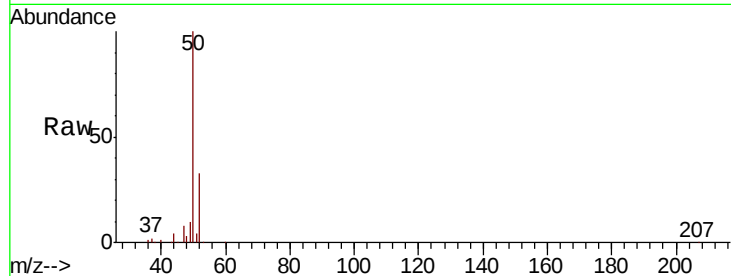
52 33.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.434 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052835.D

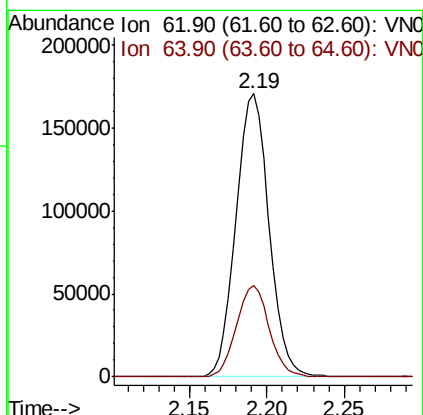
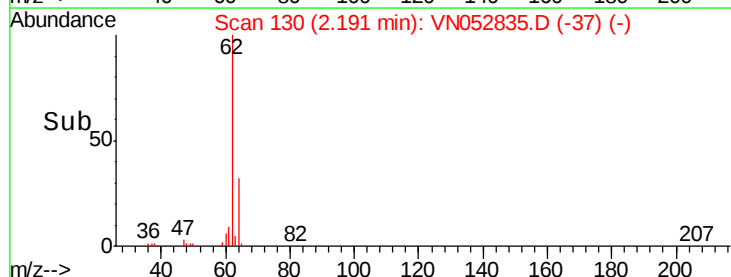
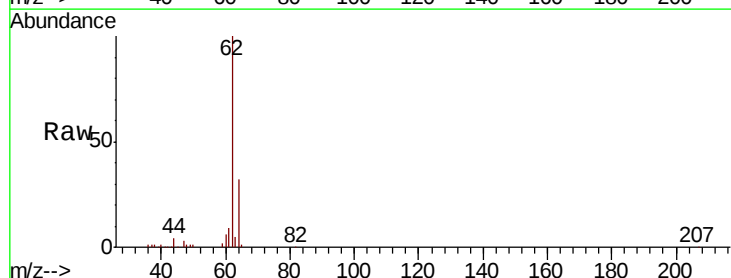
Acq: 12 Dec 2018 18:53

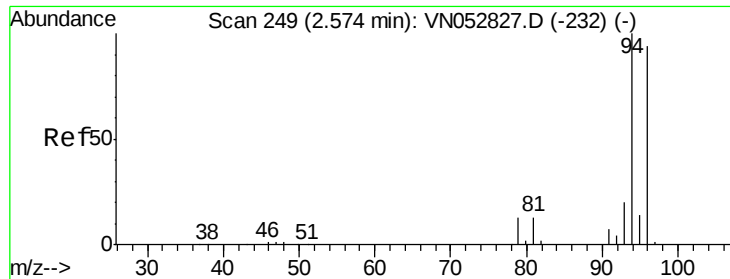
Tgt Ion: 62 Resp: 253263

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 19.612 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 149931

Ion Ratio Lower Upper

94 100

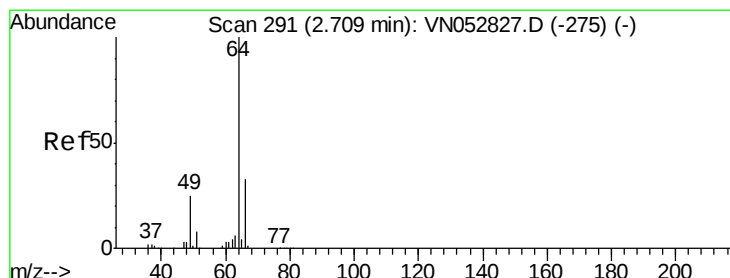
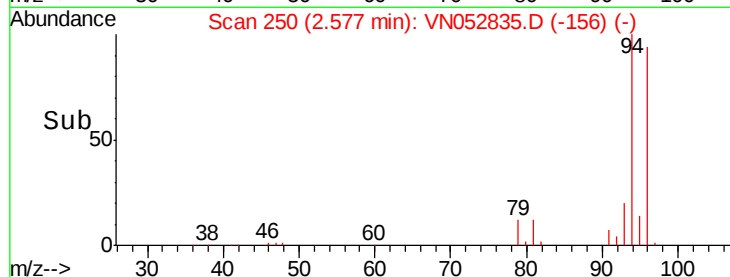
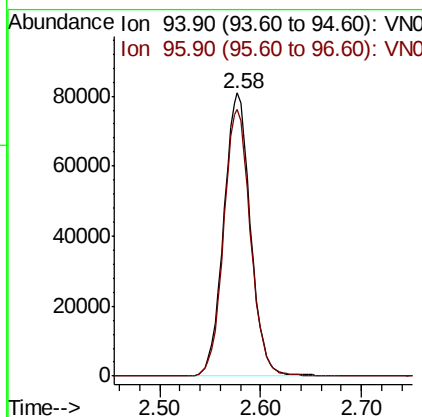
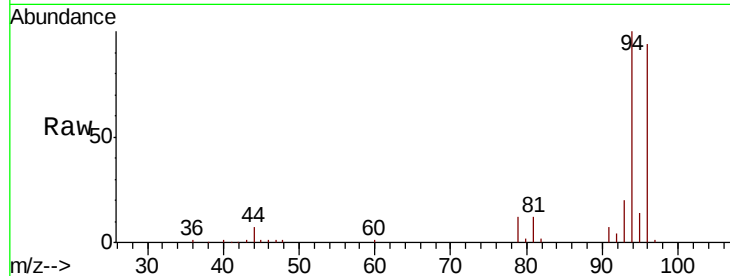
96 94.3 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 20.418 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052835.D

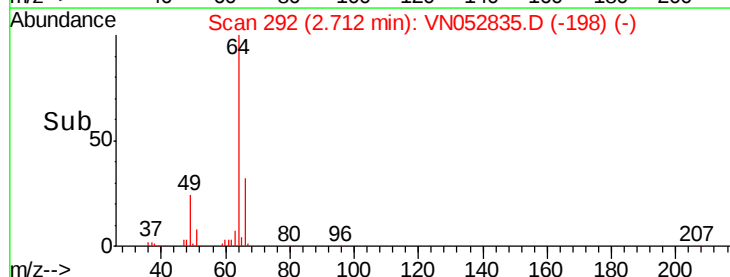
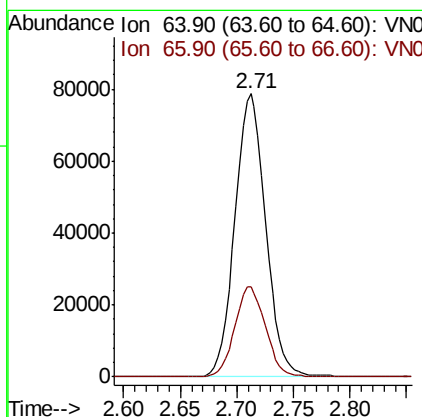
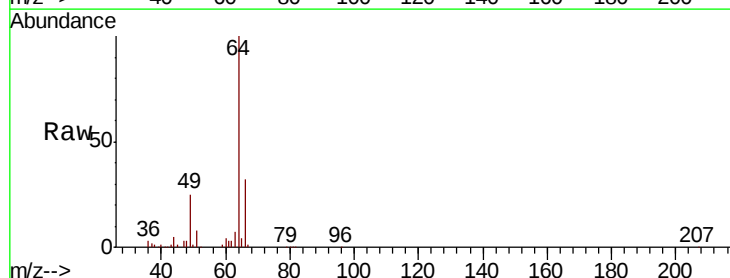
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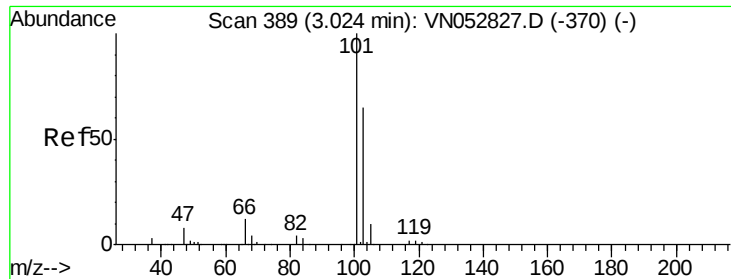
Tgt Ion: 64 Resp: 149583

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2





#7

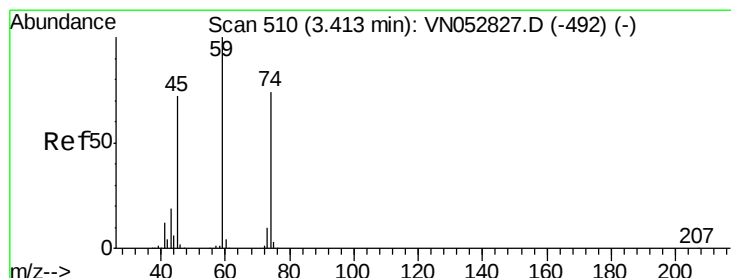
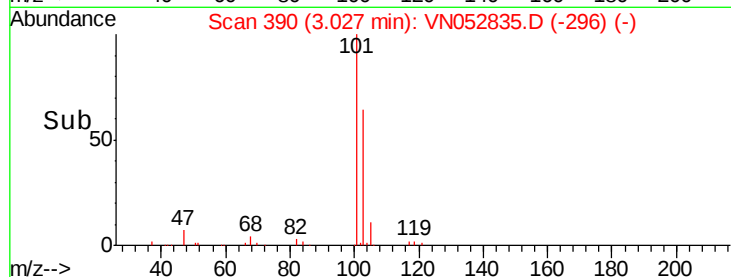
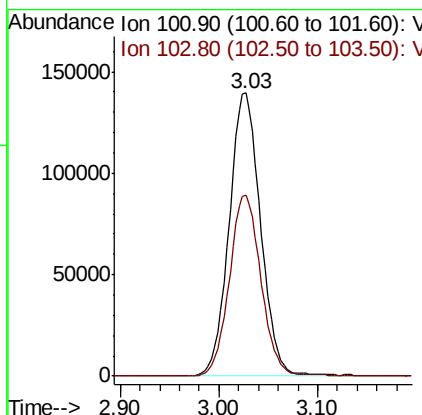
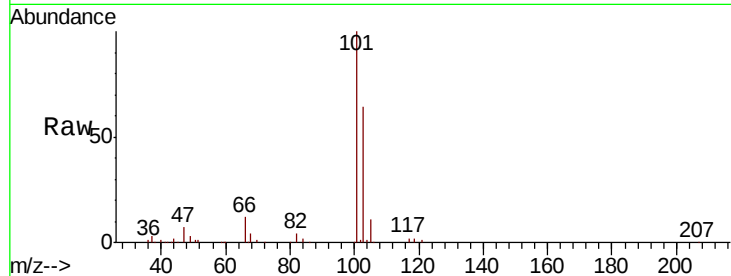
Trichlorofluoromethane
 Concen: 20.194 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6

Manual Integrations
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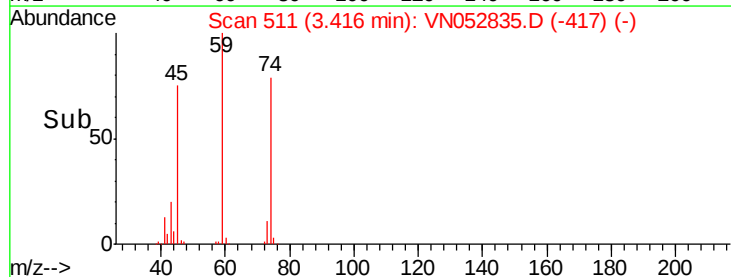
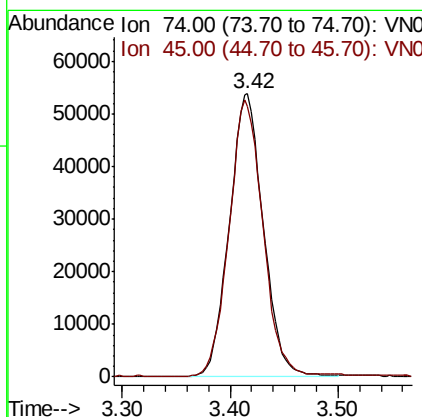
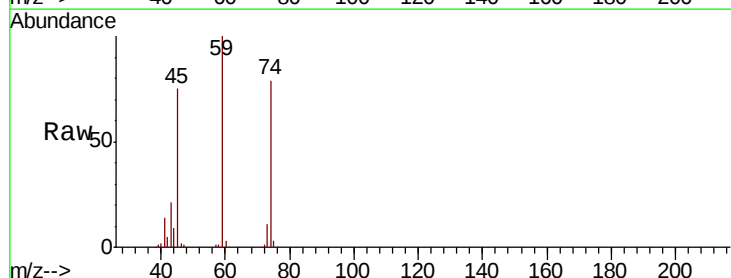
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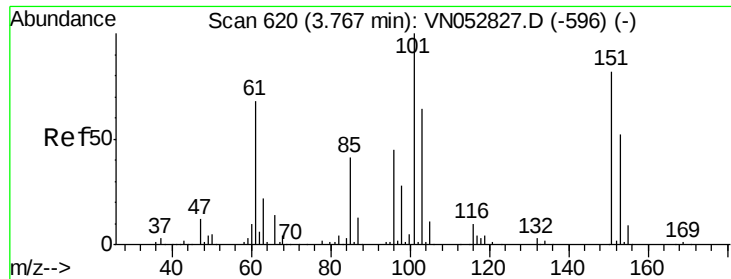


#8

Diethyl Ether
 Concen: 21.103 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052835.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	49.4	148.0





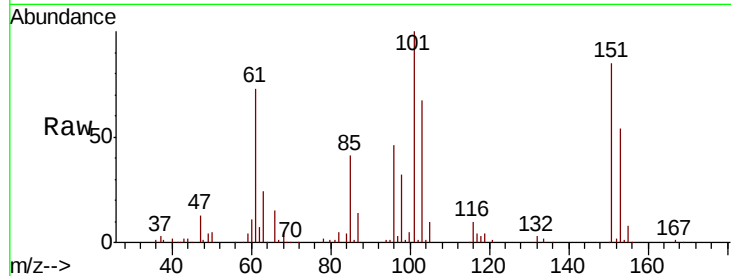
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.025 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	190711		
85	41.4	33.6	50.4	
151	82.1	65.5	98.3	

Manual Integrations
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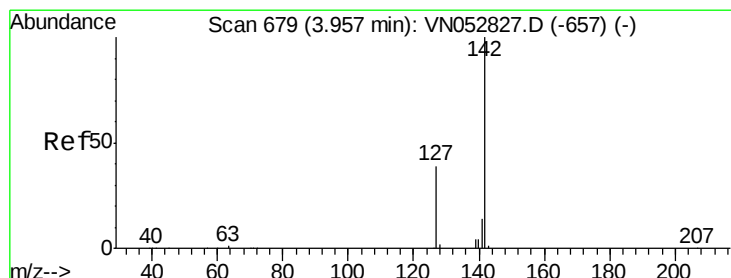
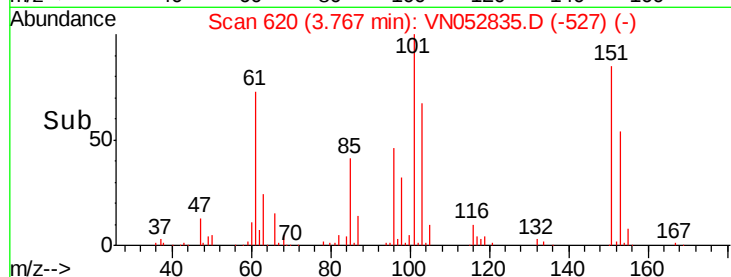
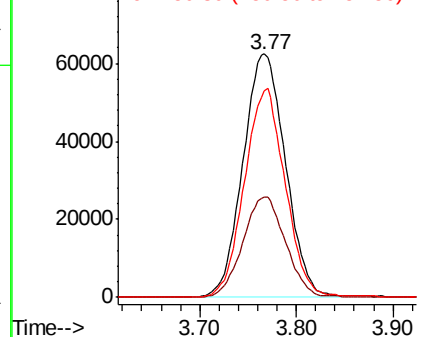


Abundance

Ion 100.90 (100.60 to 101.60): V

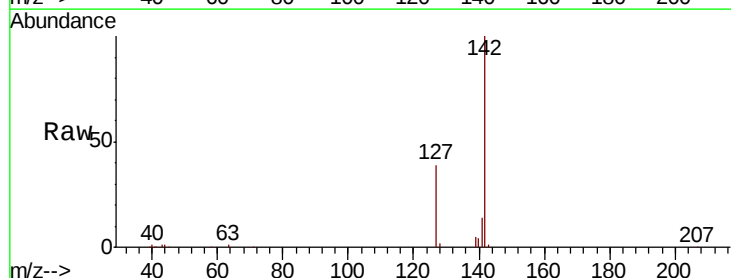
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 18.168 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	242311		
127	39.2	31.0	46.6	
141	14.2	11.2	16.8	

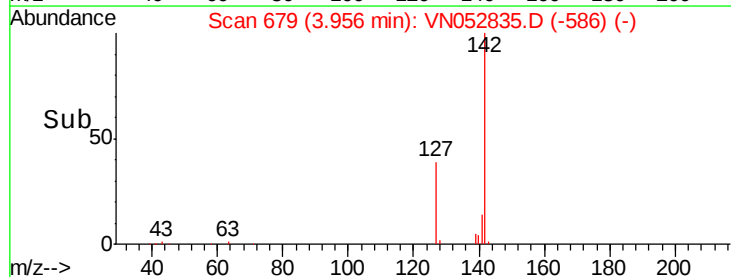
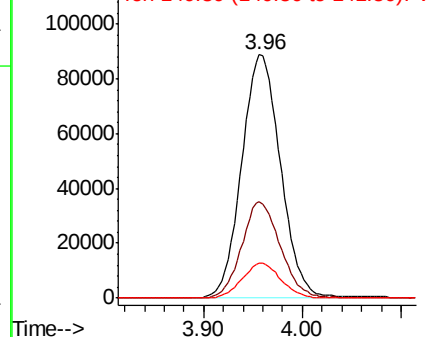


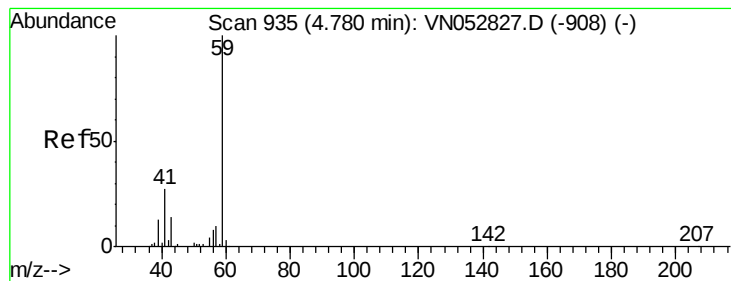
Abundance

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

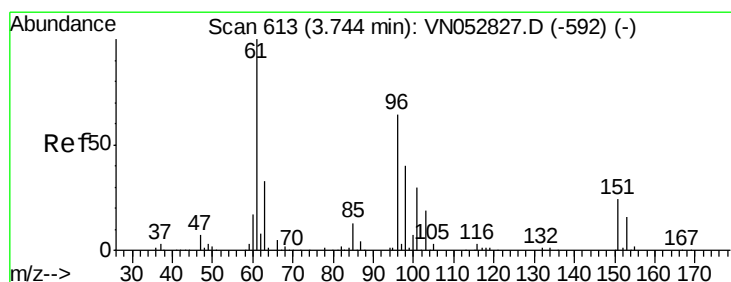
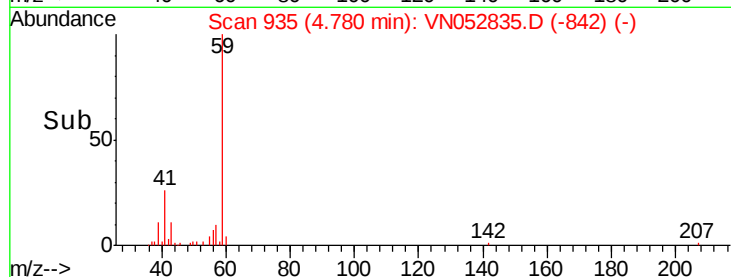
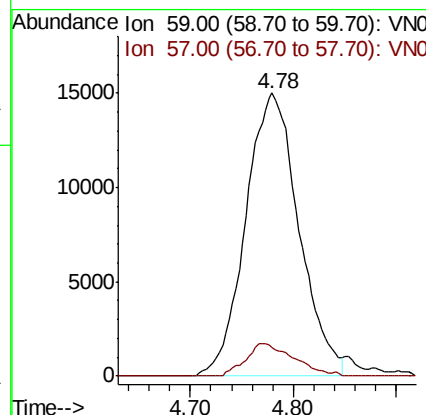
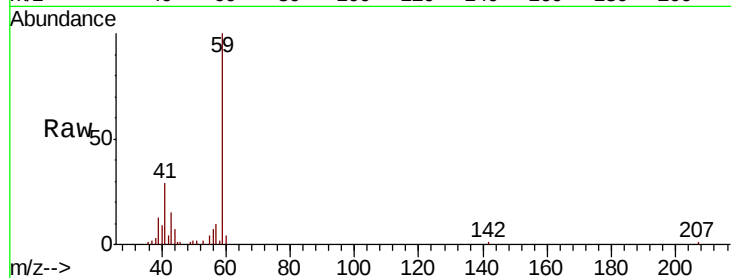
Tert butyl alcohol
 Concen: 90.215 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	59	Resp	53746
Ion Ratio	100	Lower	Upper
59	100		
57	10.5	7.7	11.5

Manual Integrations
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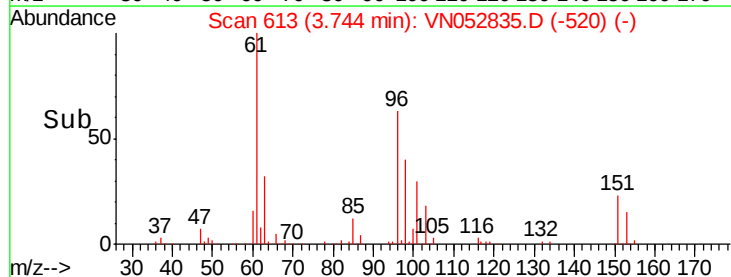
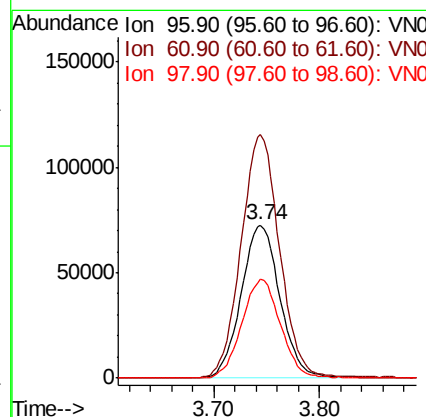
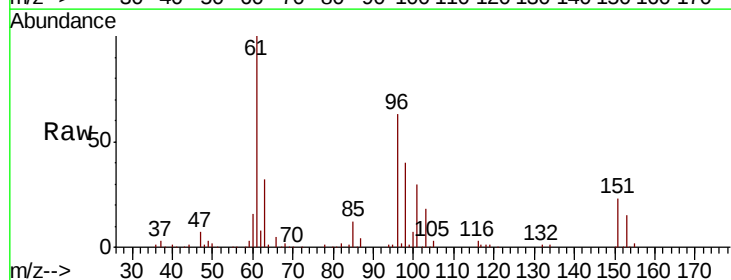
MMDadoda
 12/13/2018 1:36:39 PM

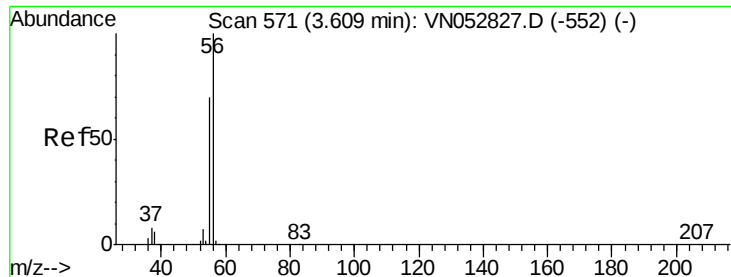


#12

1,1-Dichloroethene
 Concen: 20.105 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	96	Resp	185356
Ion Ratio	100	Lower	Upper
96	100		
61	159.4	125.6	188.4
98	64.5	50.6	75.8





#13

Acrolein

Concen: 113.820 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 56 Resp: 63842

Ion Ratio Lower Upper

56 100

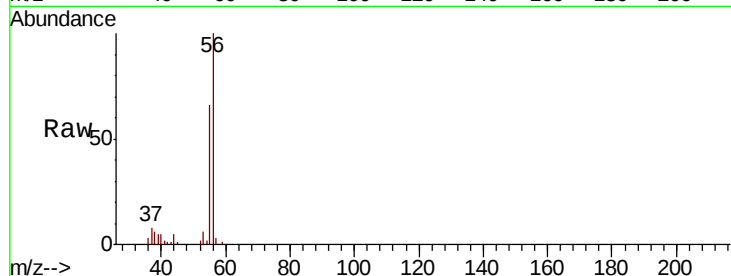
55 70.9 56.6 85.0

Manual Integrations

APPROVED

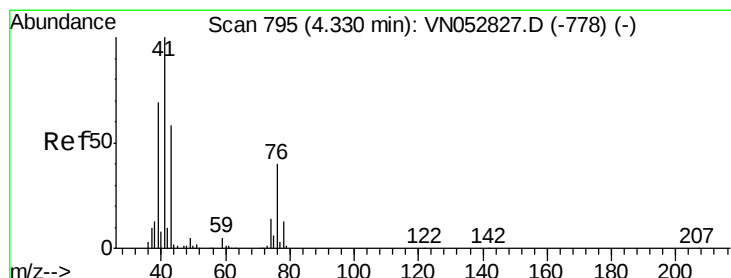
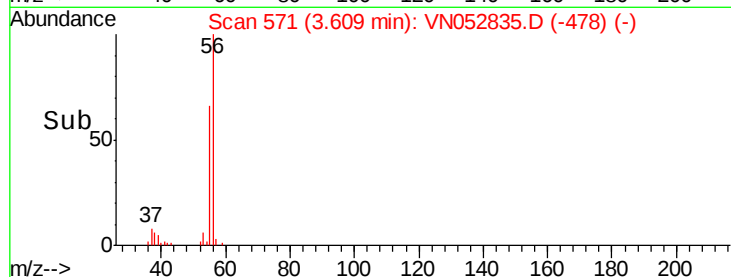
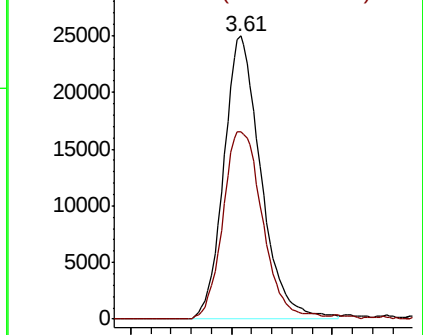
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.536 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

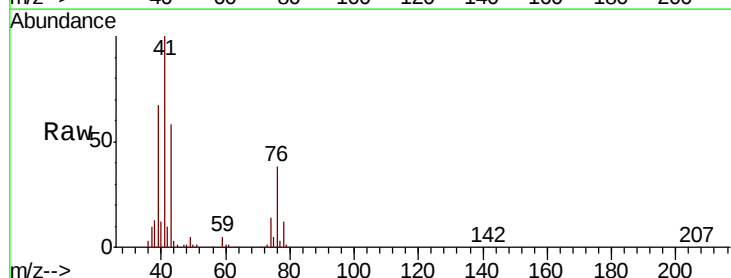
Tgt Ion: 41 Resp: 309232

Ion Ratio Lower Upper

41 100

39 63.6 54.1 81.1

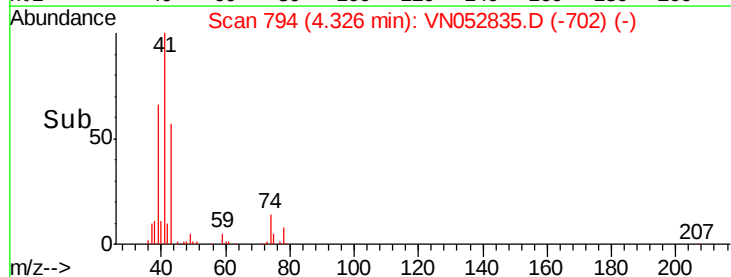
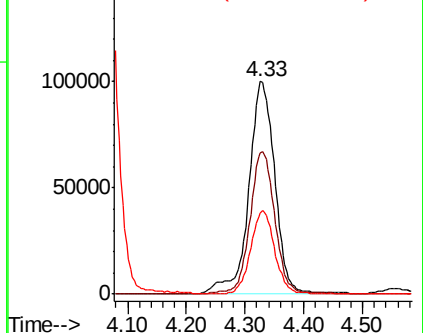
76 35.1 30.3 45.5

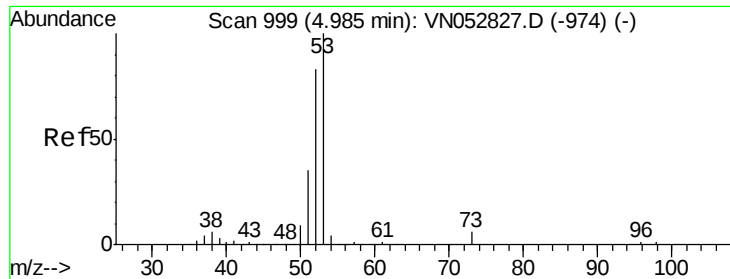


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.435 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

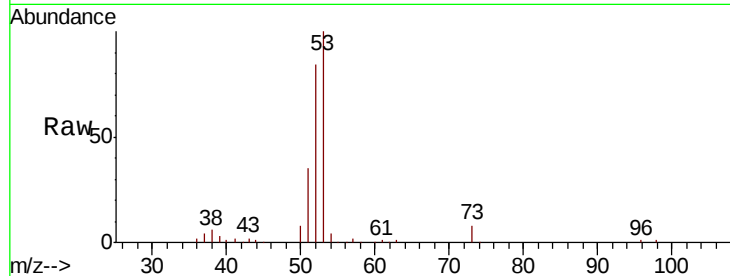
ClientSampleId :

VN1212WBSD02

Tot Ion:	53	Resp:	345702
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.1	97.7
51	35.9	28.1	42.1

Manual Integrations
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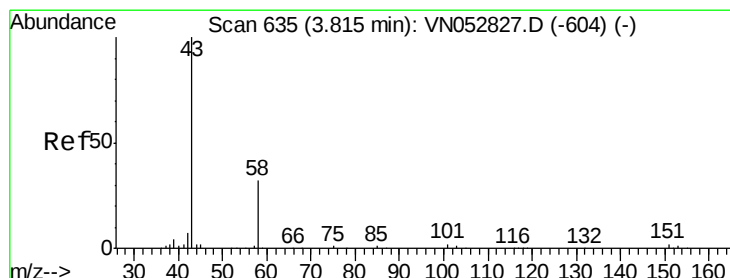
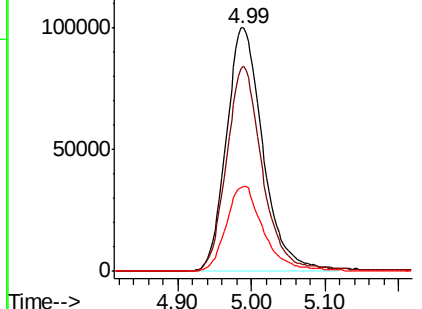
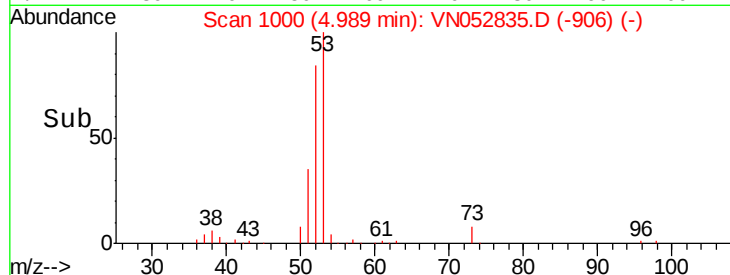


Abundance Ion 53.00 (52.70 to 53.70): VN052827.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN052827.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN052827.D (-974) (-)

Time-->



#16

Acetone

Concen: 96.972 ug/l

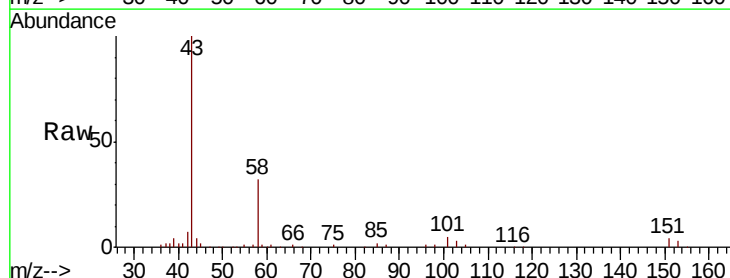
RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

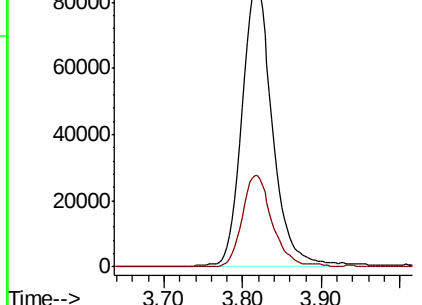
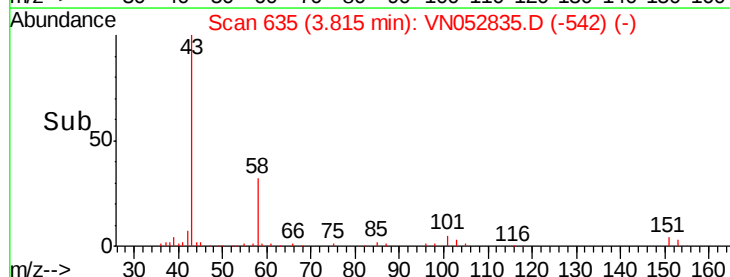
Tgt Ion:	43	Resp:	232212
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.4	38.0

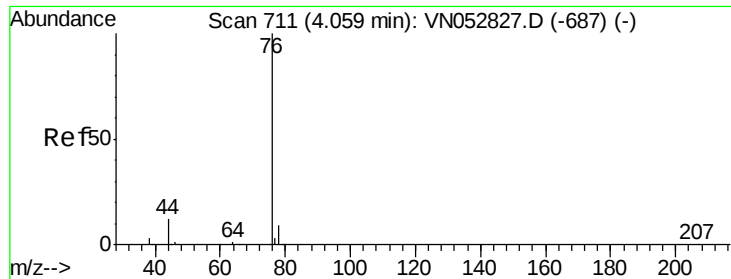


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)

Time-->





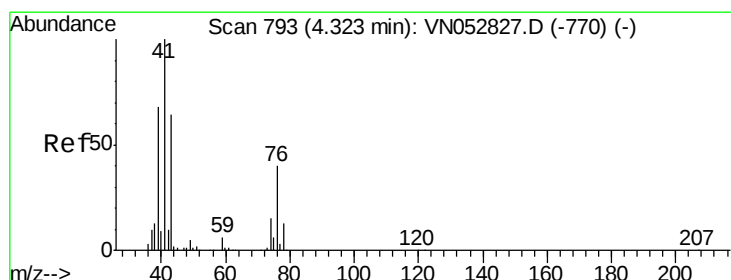
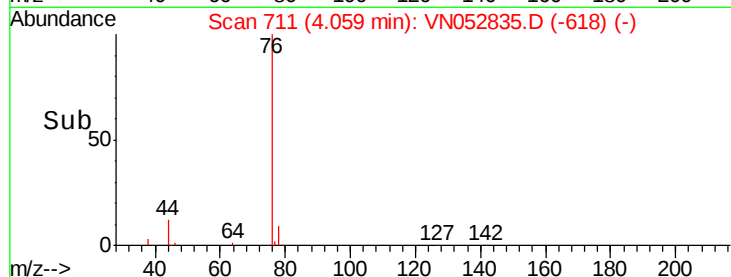
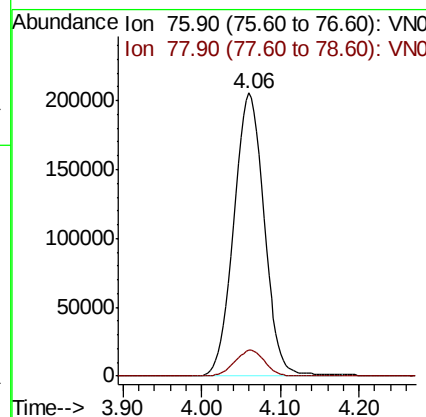
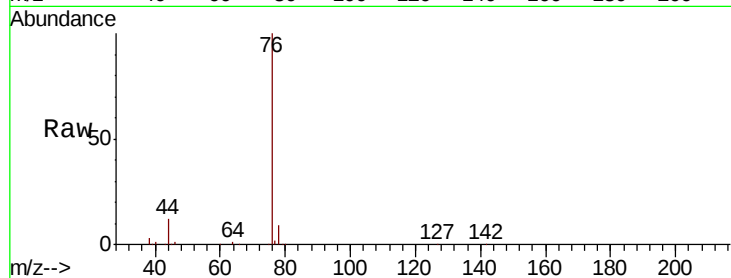
#17
Carbon Disulfide
Concen: 19.485 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	551850		
78	9.3		7.1	10.7

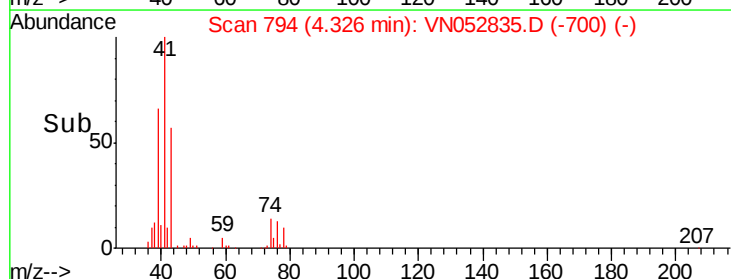
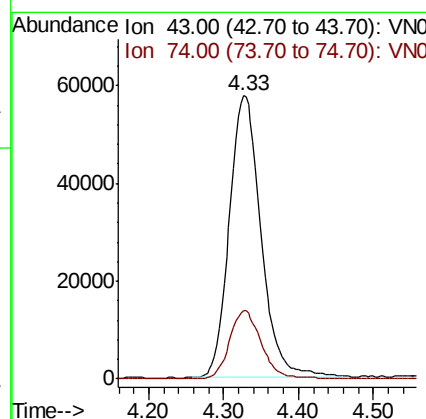
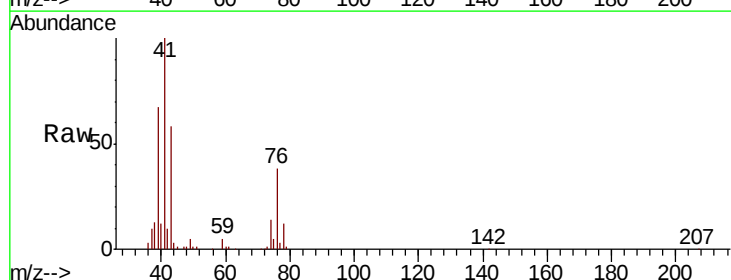
Manual Integrations
APPROVED

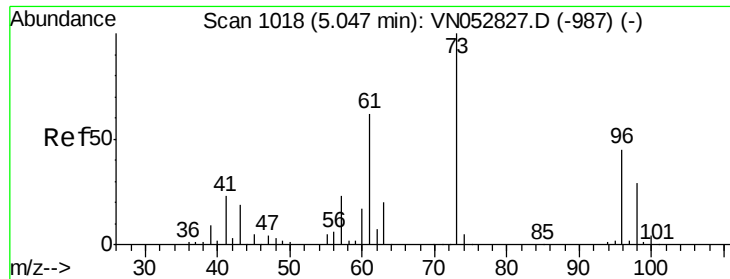
MMDadoda
12/13/2018 1:36:39 PM



#18
Methyl Acetate
Concen: 19.359 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	170136		
74	24.2		19.2	28.8





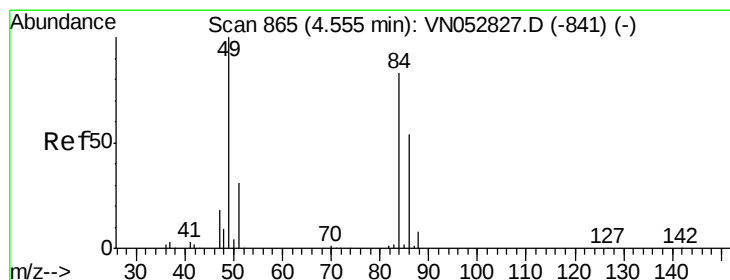
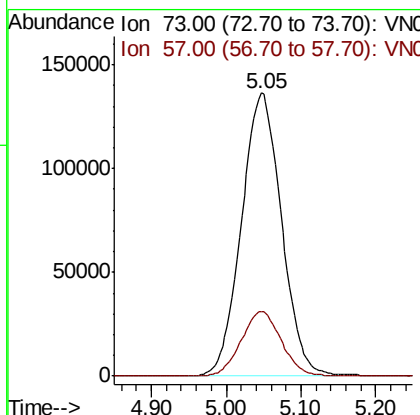
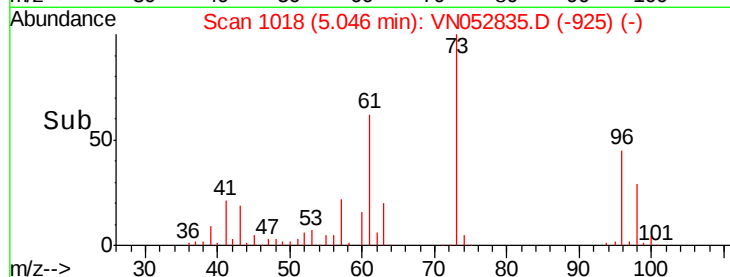
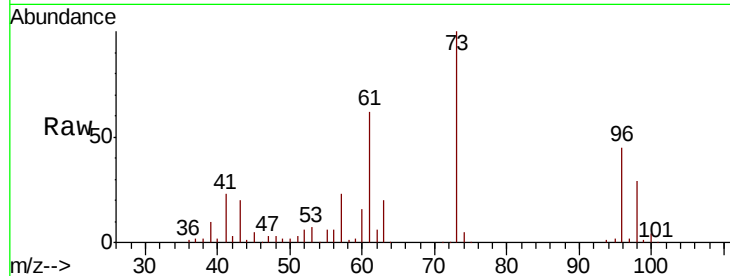
#19
Methvl tert-butvl Ether
Concen: 20.285 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion: 73 Resp: 507689
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

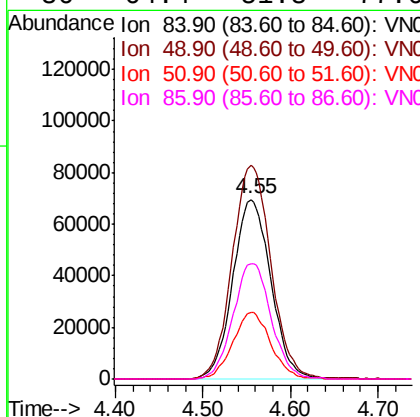
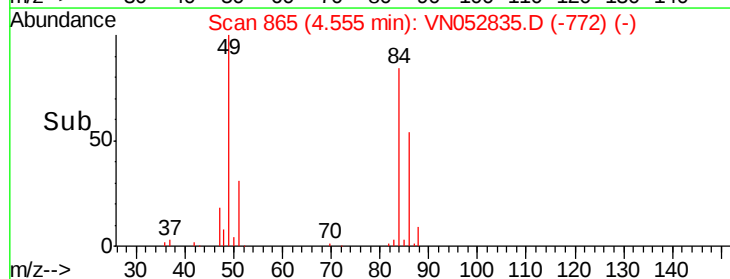
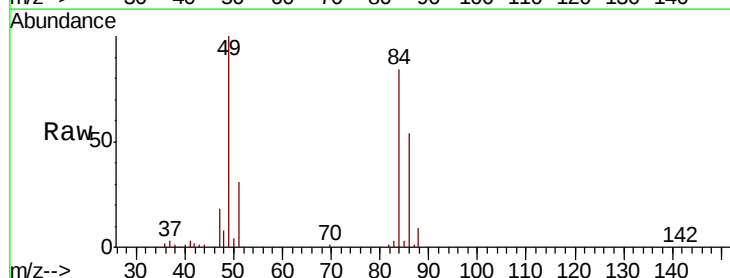
Manual Integrations
APPROVED

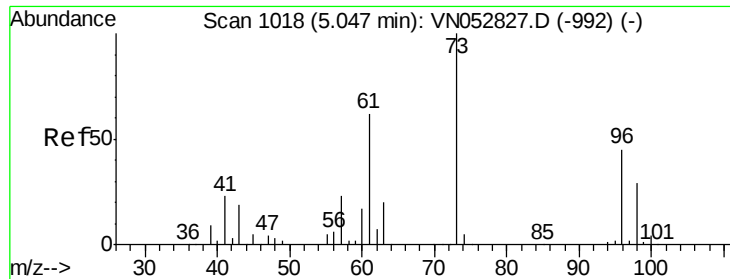
MMDadoda
12/13/2018 1:36:39 PM



#20
Methylene Chloride
Concen: 19.497 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 84 Resp: 210110
Ion Ratio Lower Upper
84 100
49 118.9 96.8 145.2
51 37.4 29.9 44.9
86 64.4 51.8 77.6





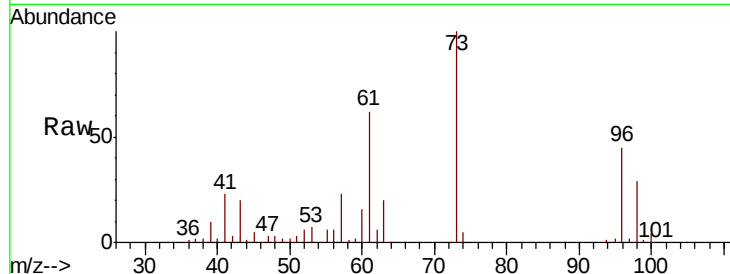
#21
trans-1,2-Dichloroethene
Concen: 19.720 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	110.8	166.2
98	63.3	51.4	77.2

Manual Integrations
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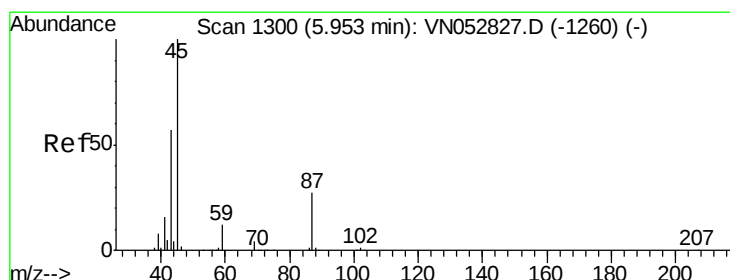
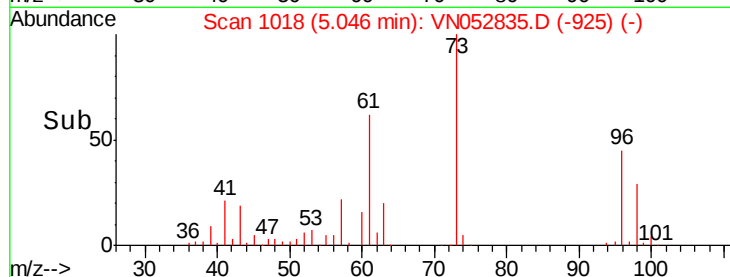
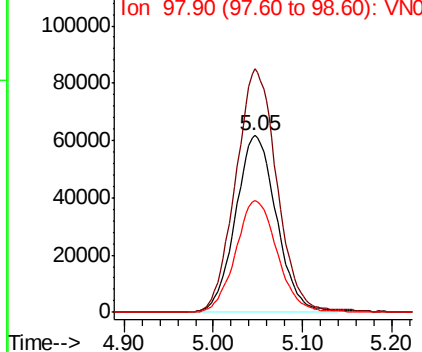


Abundance

Ion 95.90 (95.60 to 96.60): VN052835.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN052835.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN052835.D (-925) (-)



#22
Diisopropyl ether
Concen: 20.291 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.5	68.3
87	28.0	22.0	33.0
59	11.8	9.4	14.0

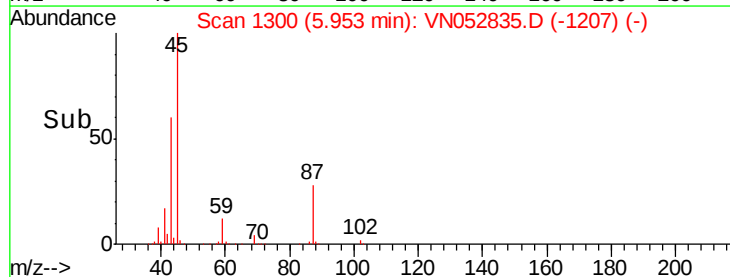
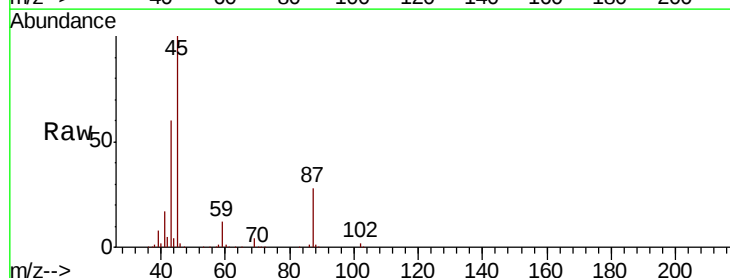
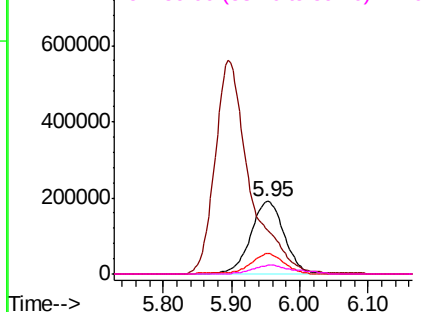
Abundance

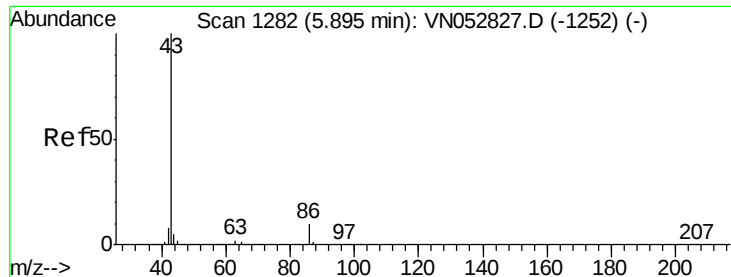
Ion 45.00 (44.70 to 45.70): VN052835.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN052835.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN052835.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN052835.D (-1207) (-)





#23

Vinyl Acetate

Concen: 103.545 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 43 Resp: 1979311

Ion Ratio Lower Upper

43 100

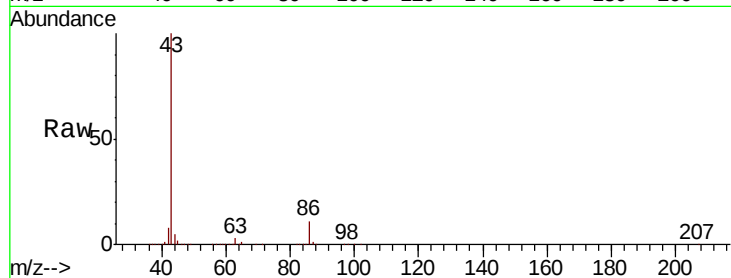
86 10.6 8.1 12.1

Manual Integrations

APPROVED

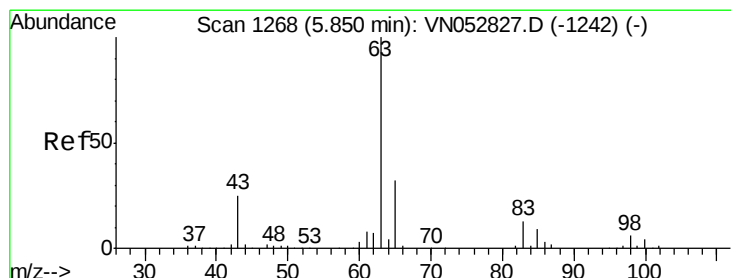
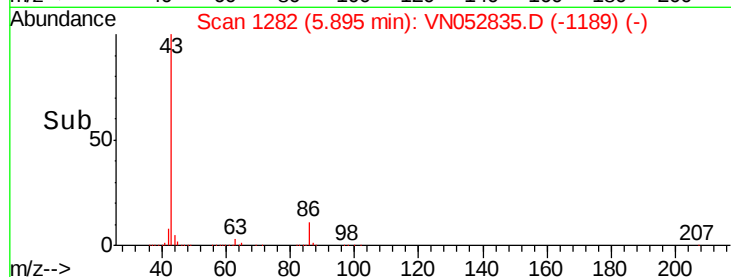
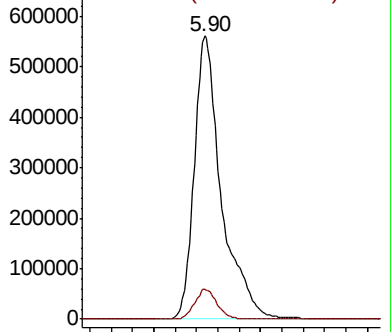
MMDadoda

12/13/2018 1:36:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.054 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

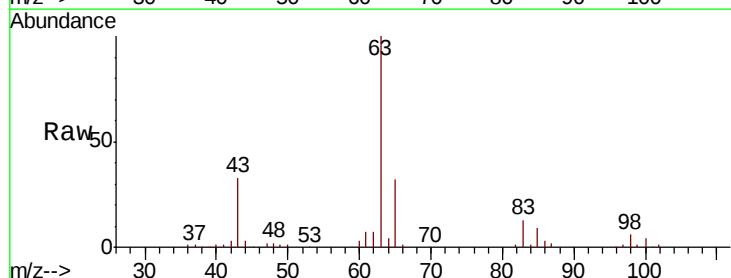
Tgt Ion: 63 Resp: 371504

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.4

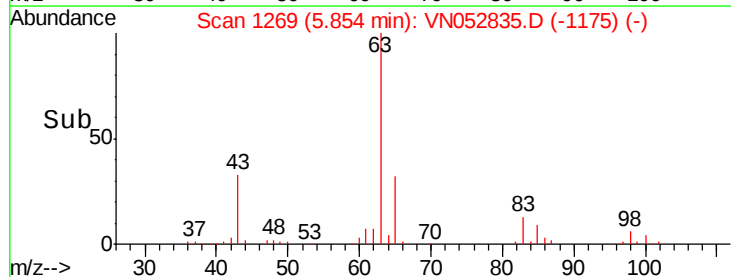
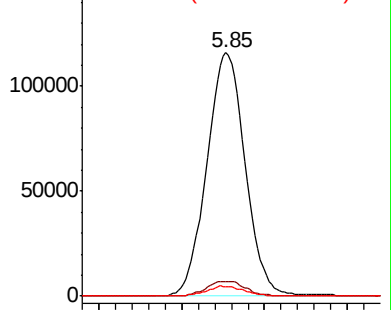
100 3.8 2.0 5.8

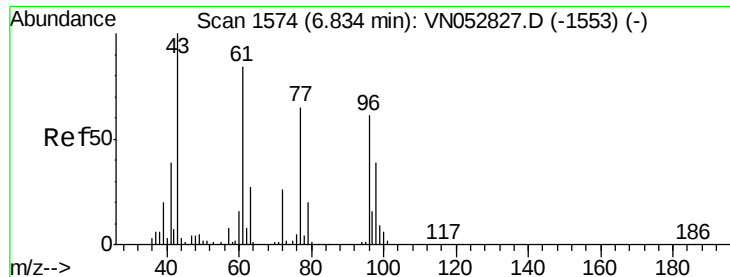


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





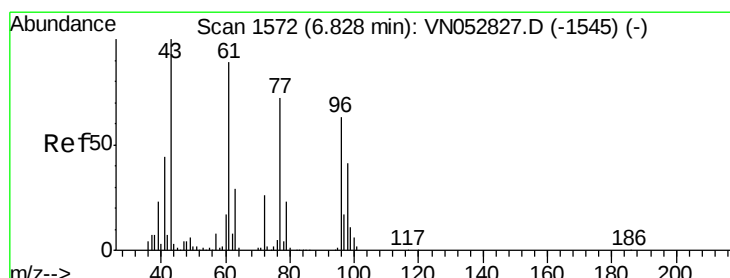
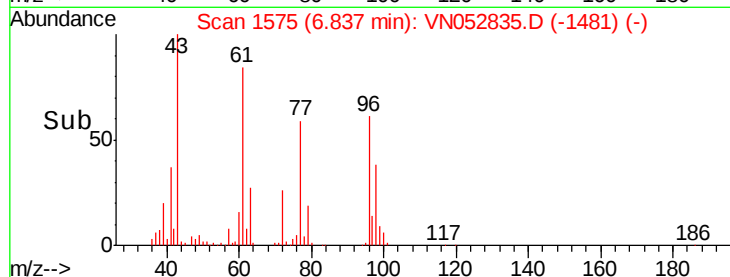
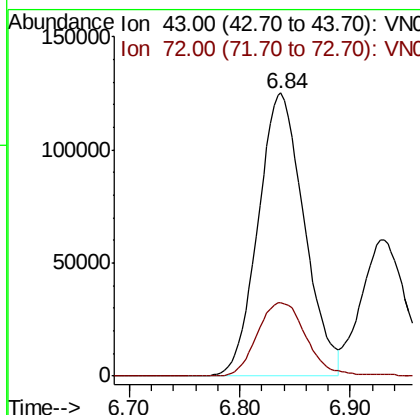
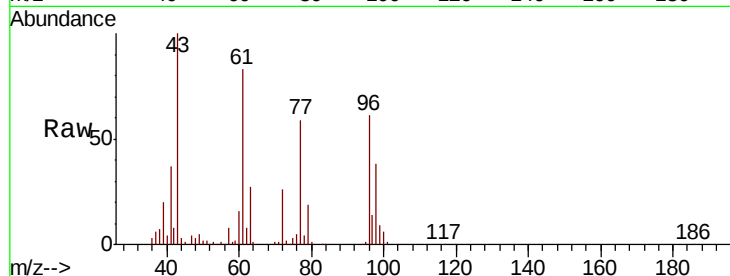
#25
2-Butanone
Concen: 97.184 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion: 43 Resp: 361100
Ion Ratio Lower Upper
43 100
72 25.9 21.0 31.6

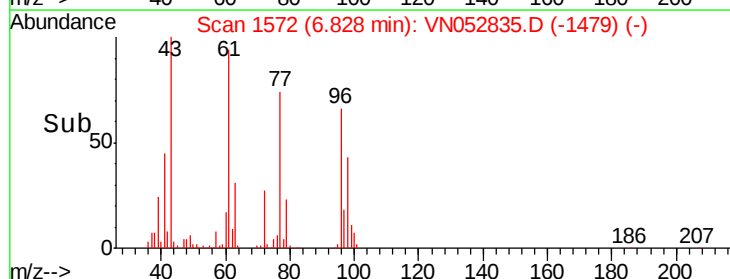
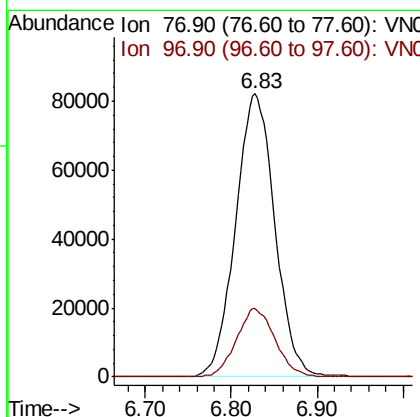
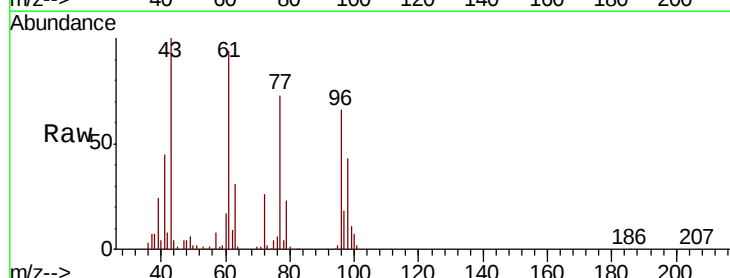
Manual Integrations
APPROVED

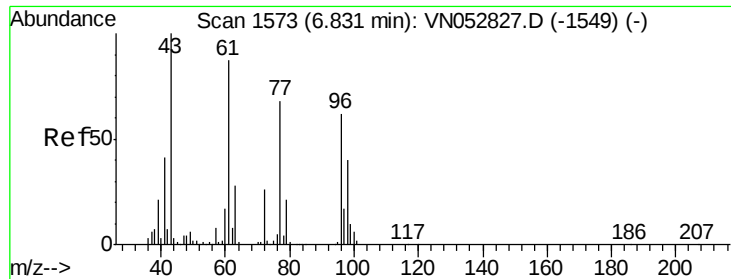
MMDadoda
12/13/2018 1:36:39 PM



#26
2,2-Dichloropropane
Concen: 19.102 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 77 Resp: 260594
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.041 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

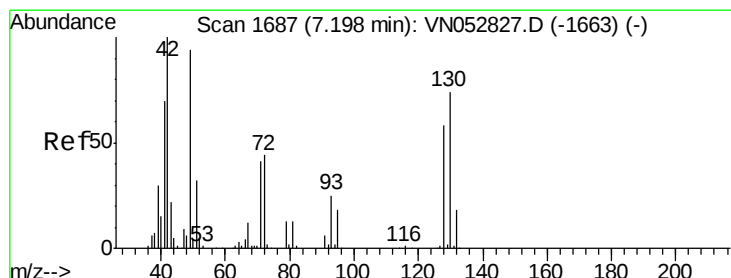
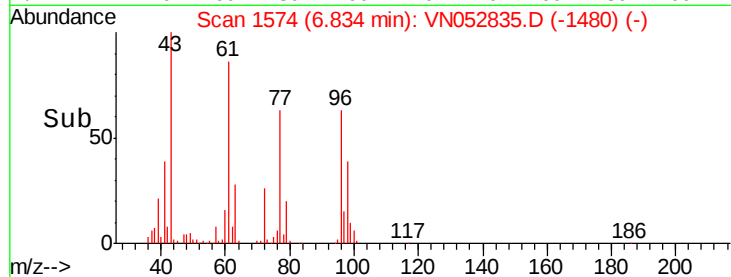
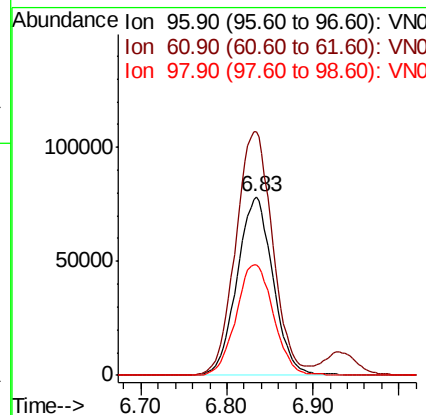
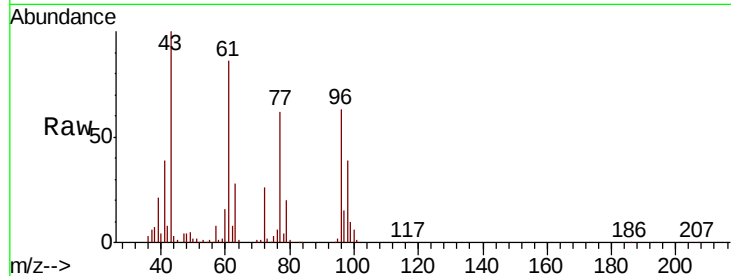
ClientSampleId :

VN1212WBSD02

Tot Ion:	96	Resp:	227183
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	284.2
98	64.7	0.0	129.2

Manual Integrations
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MMDadoda
12/13/2018 1:36:39 PM



#28

Bromochloromethane

Concen: 20.714 ug/l

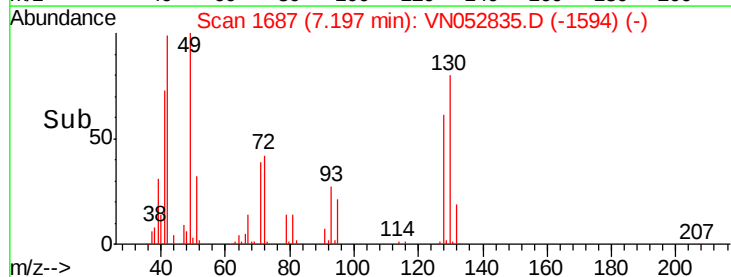
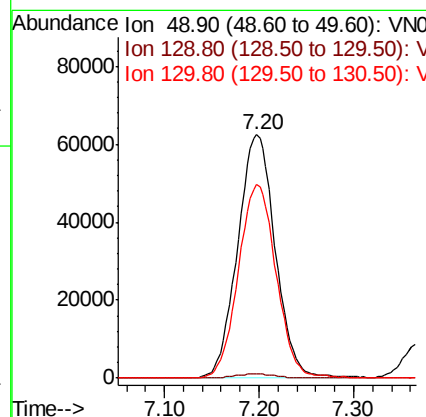
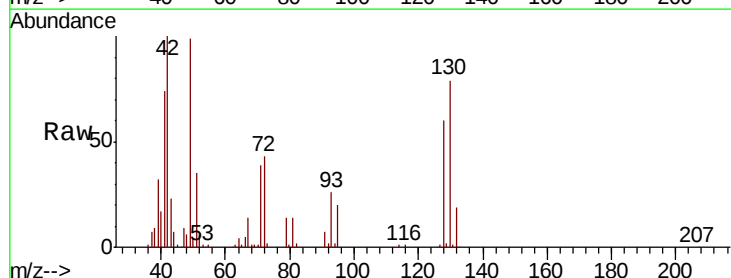
RT: 7.20 min Scan# 1687

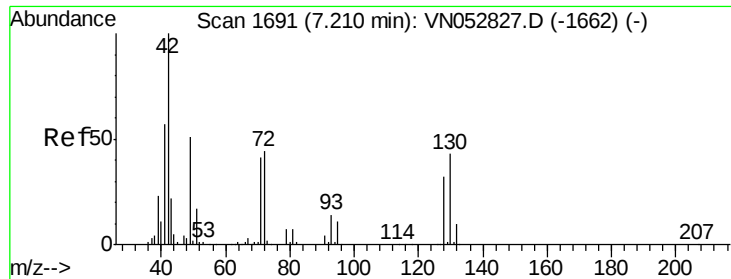
Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Tgt Ion:	49	Resp:	172317
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	79.8	63.3	94.9





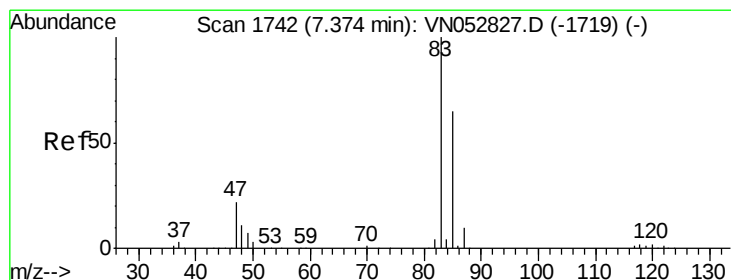
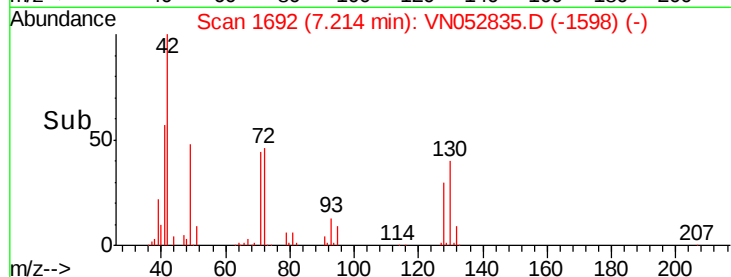
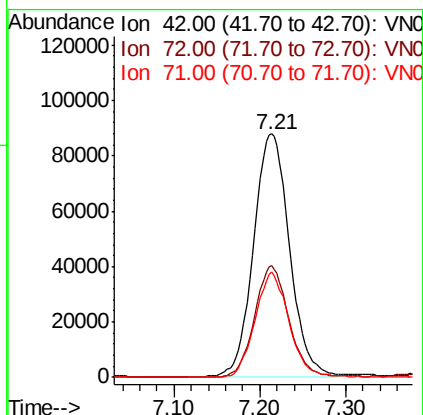
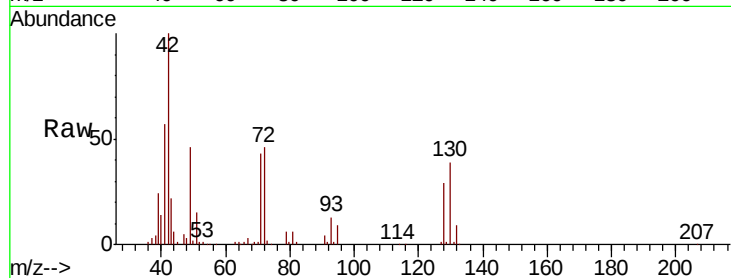
#29
Tetrahydrofuran
Concen: 101.373 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.7	52.1
71	40.5	32.3	48.5

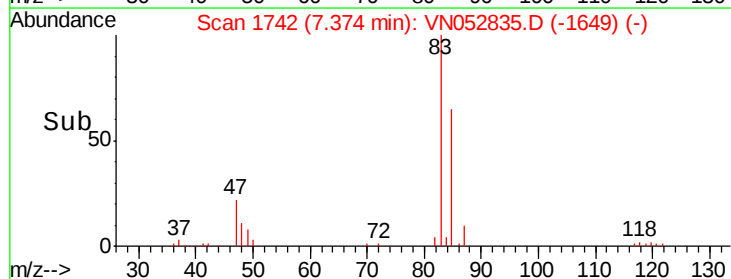
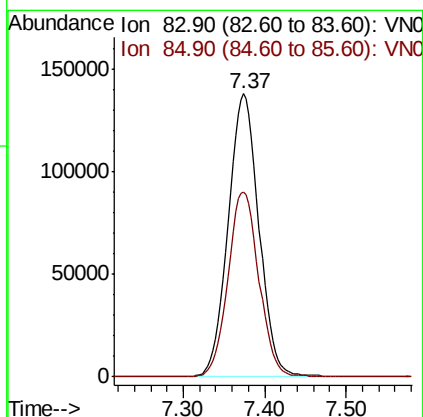
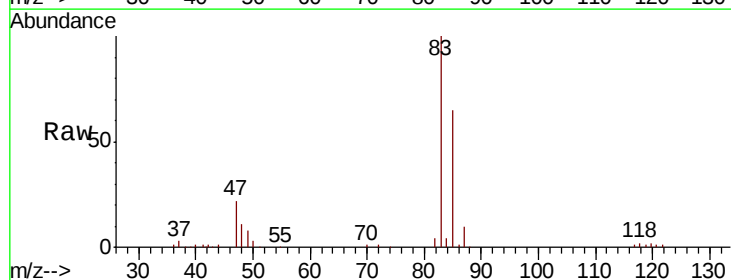
Manual Integrations
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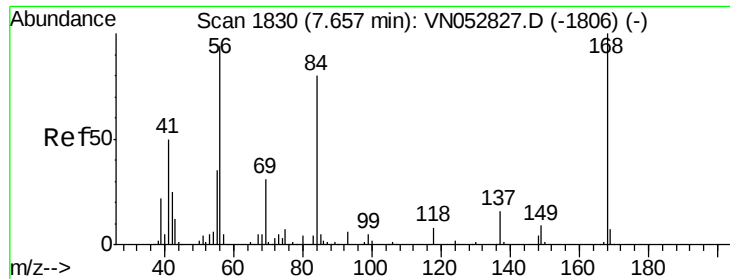
MMDadoda
12/13/2018 1:36:39 PM



#30
Chloroform
Concen: 20.123 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.1	78.1





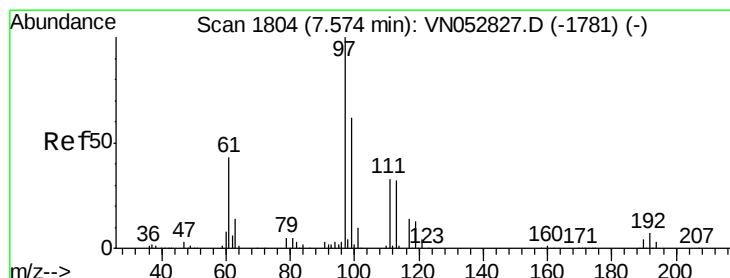
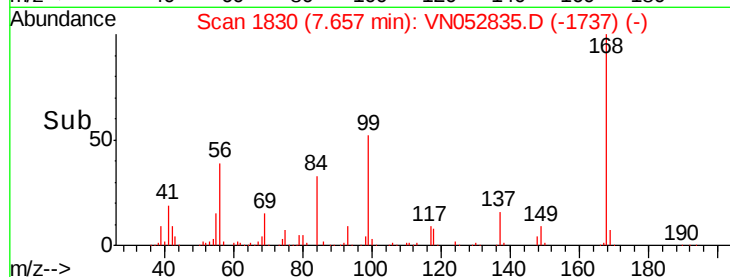
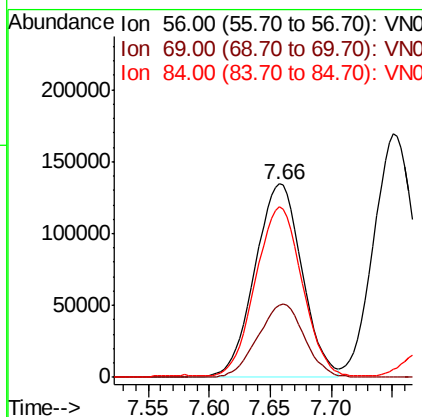
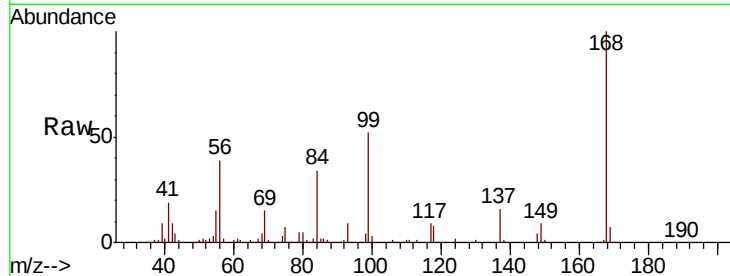
#31
Cyclohexane
Concen: 19.656 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	26.6	39.8
84	86.8	68.4	102.6

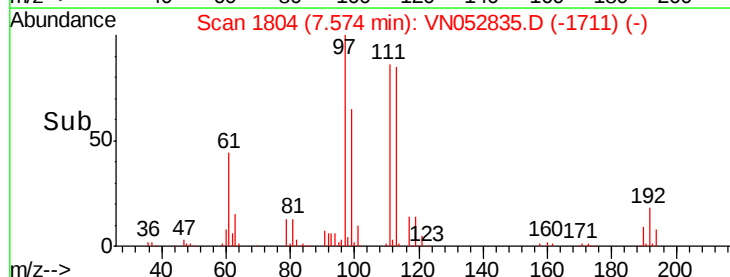
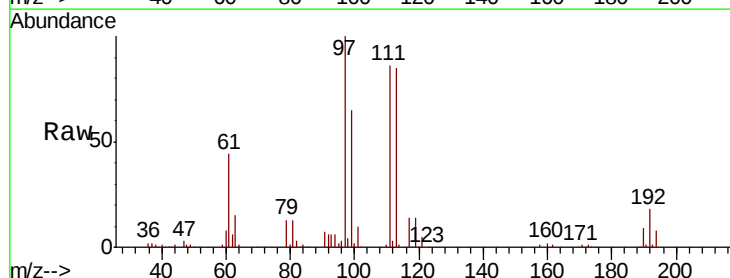
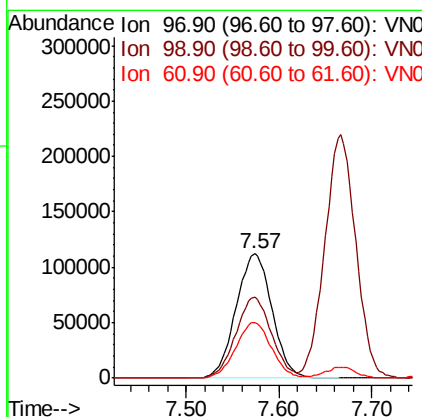
Manual Integrations
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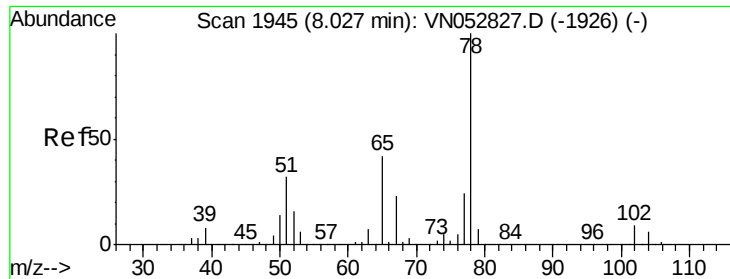
MMDadoda
12/13/2018 1:36:39 PM



#32
1,1,1-Trichloroethane
Concen: 19.956 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	44.3	35.0	52.6





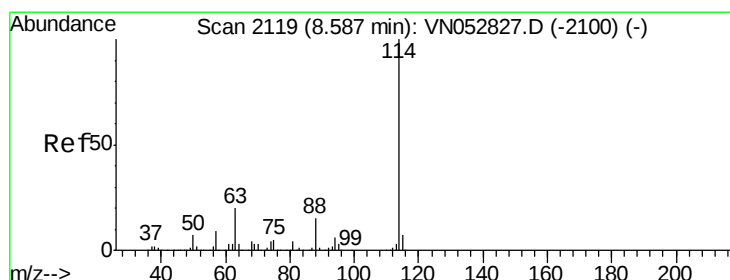
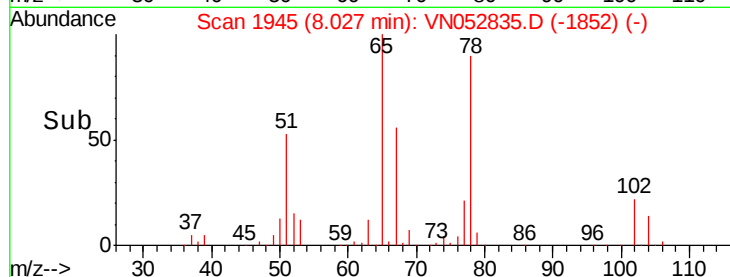
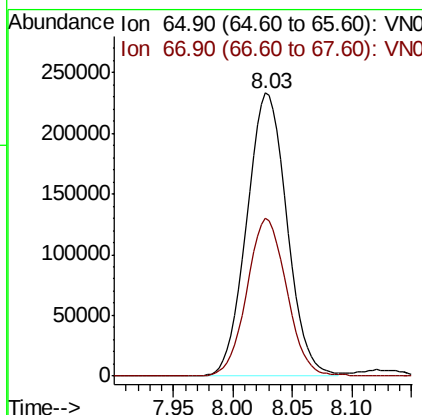
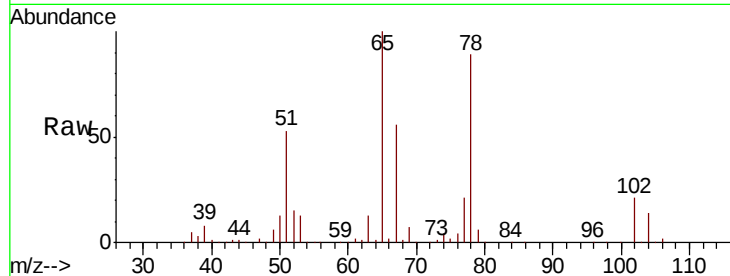
#33
 1,2-Dichloroethane-d4
 Concen: 19.956 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	110.4	

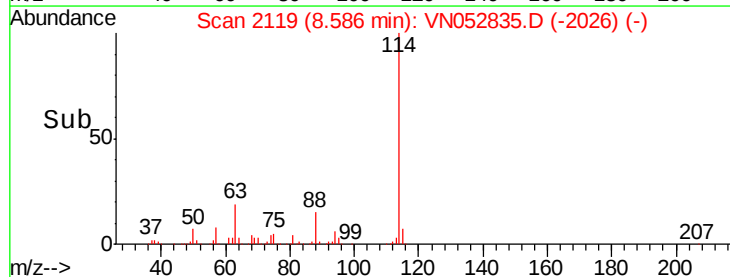
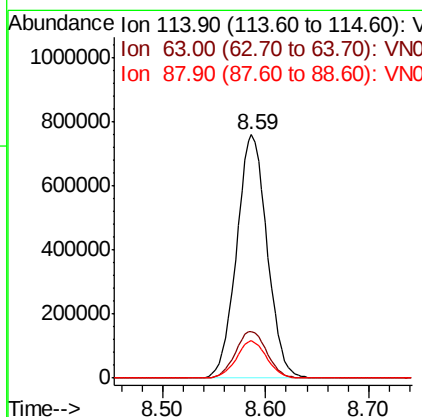
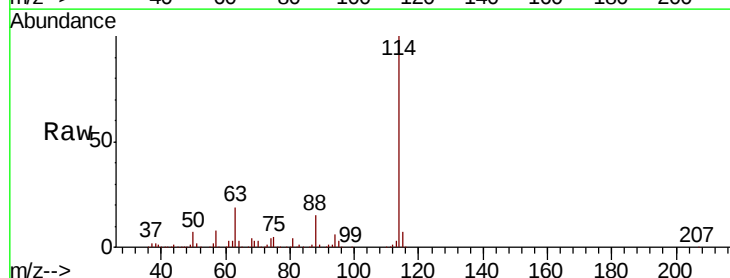
Manual Integrations
 APPROVED

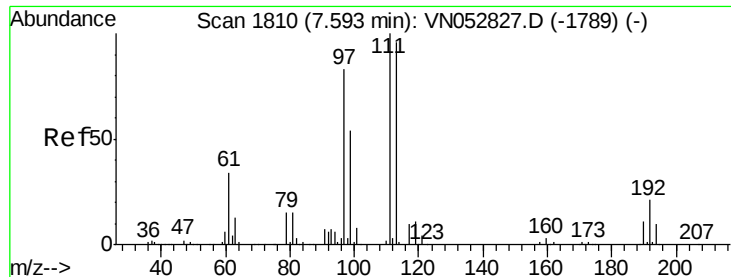
MMDadoda
 12/13/2018 1:36:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	39.8	
88	15.2	0.0	31.0	





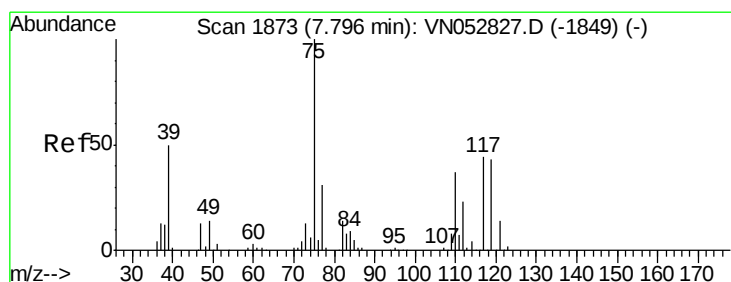
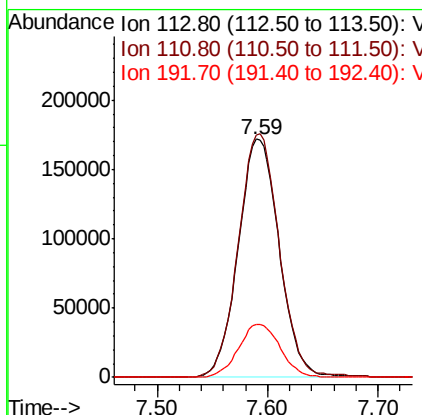
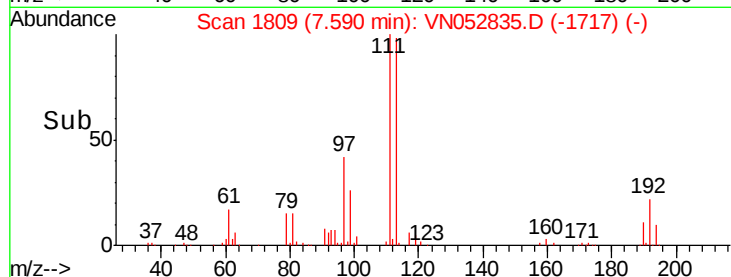
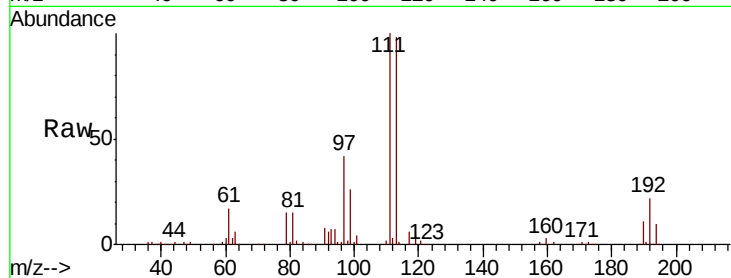
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	22.7	17.5	26.3

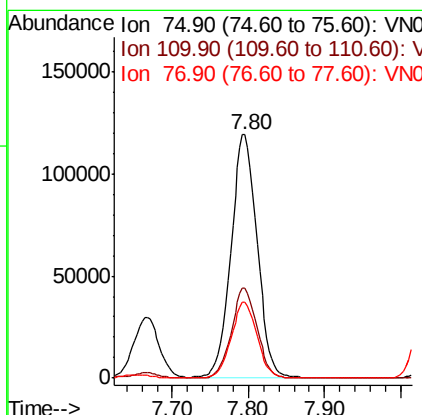
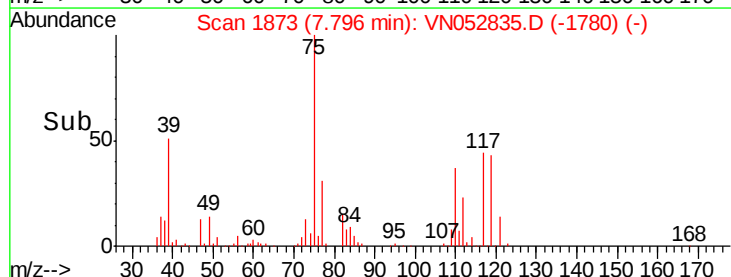
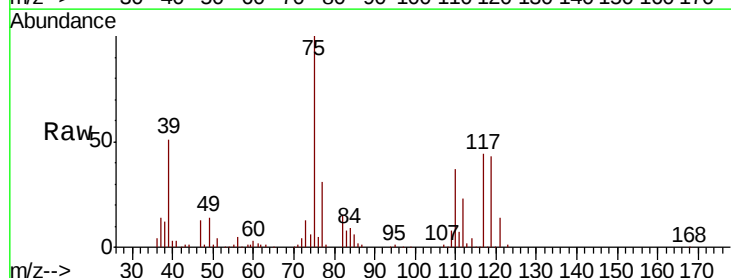
Manual Integrations
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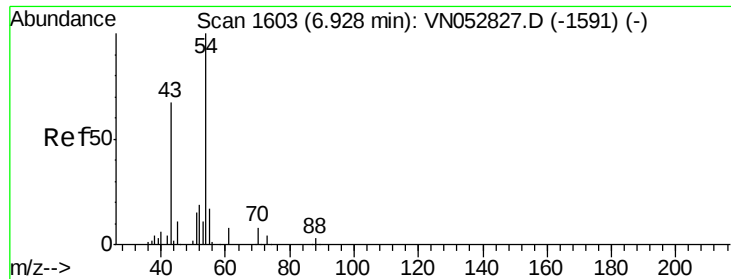
MMDadoda
 12/13/2018 1:36:39 PM



#36
 1,1-Dichloropropene
 Concen: 19.915 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.2	54.6
77	30.9	24.9	37.3





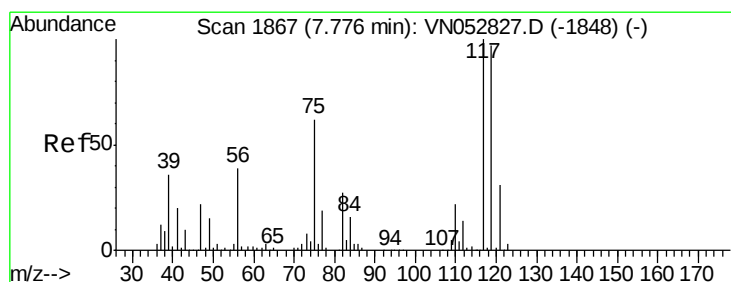
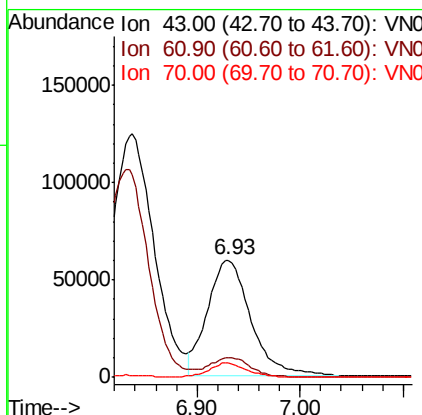
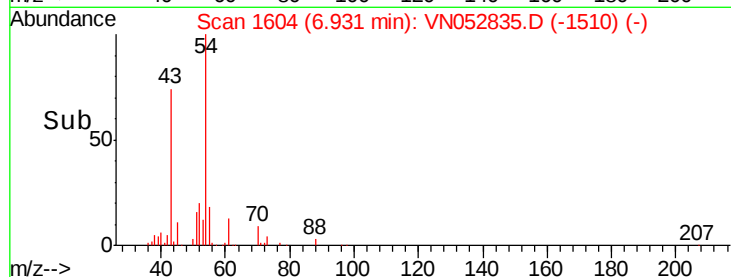
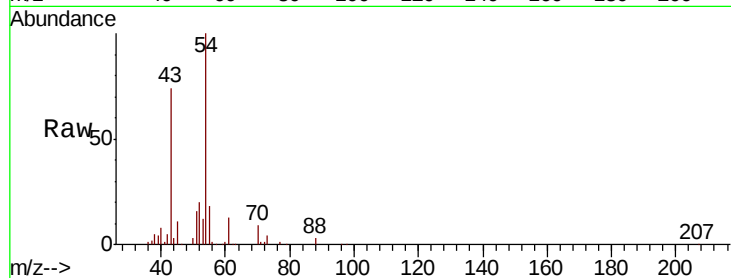
#37
Ethyl Acetate
Concen: 20.094 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	11.1	8.4	12.6

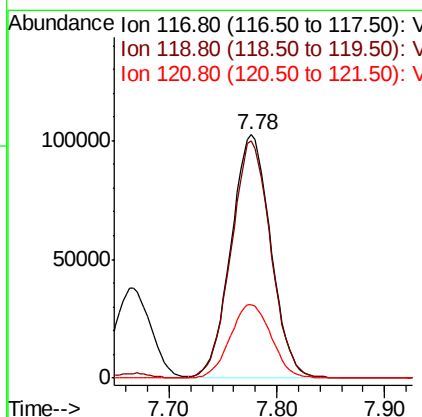
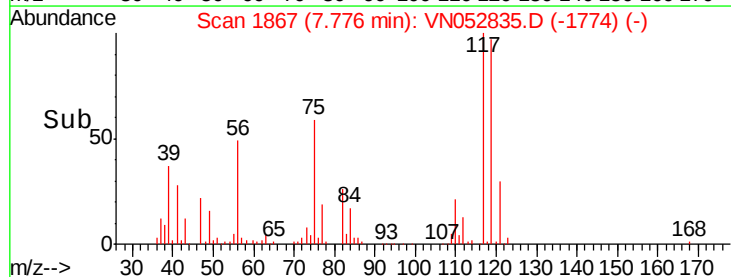
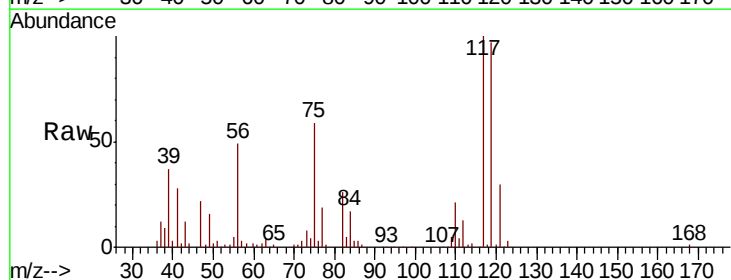
Manual Integrations
APPROVED

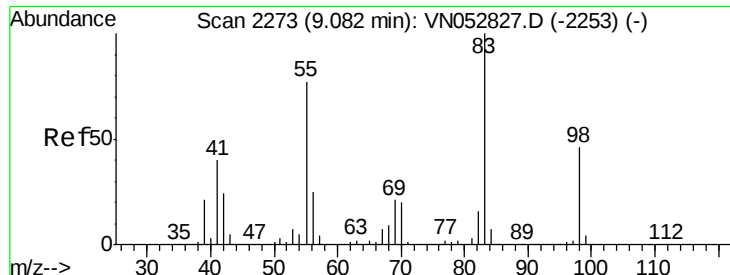
MMDadoda
12/13/2018 1:36:39 PM



#38
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
121	30.0	24.9	37.3





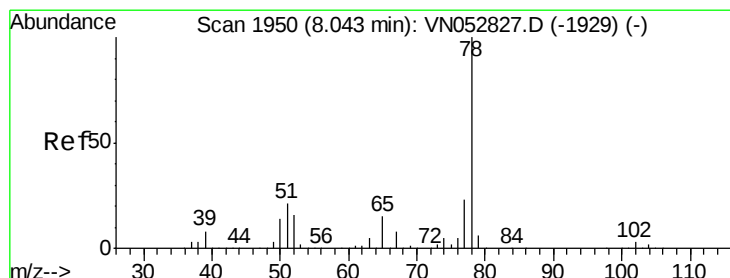
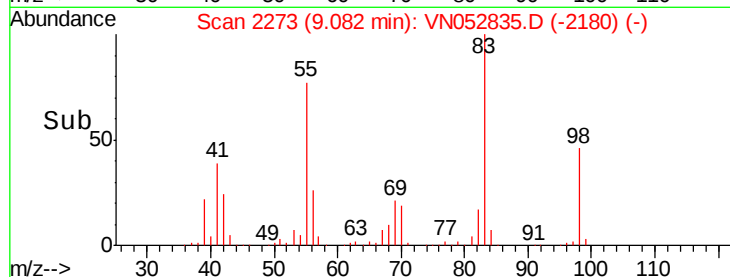
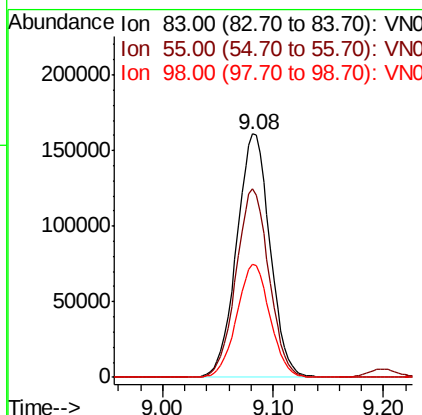
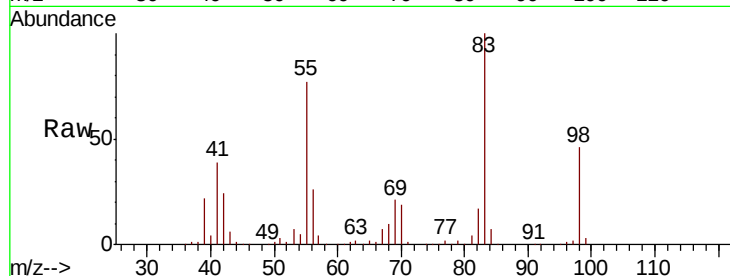
#39
Methvlcvclohexane
Concen: 19.057 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.3	91.9
98	46.5	37.0	55.4

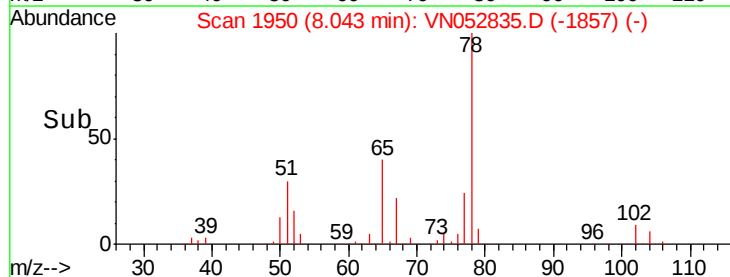
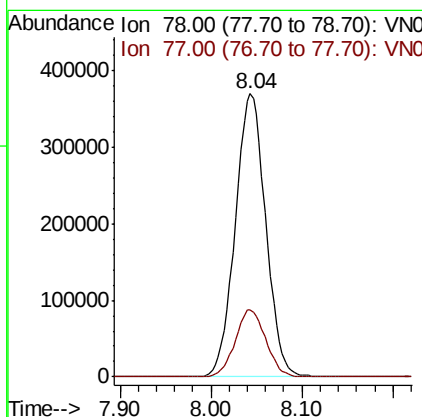
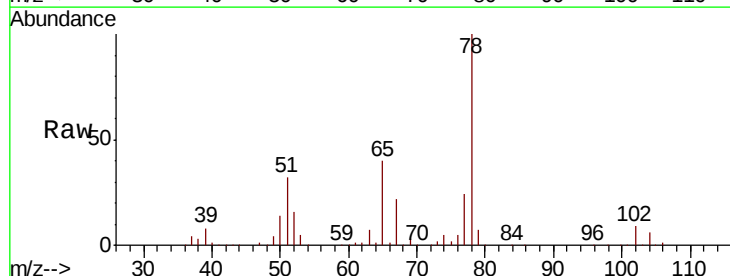
Manual Integrations
APPROVED

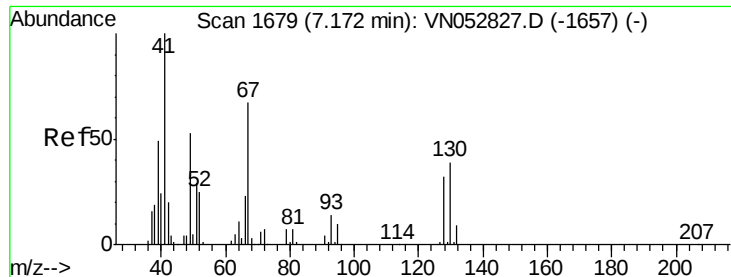
MMDadoda
12/13/2018 1:36:39 PM



#40
Benzene
Concen: 19.928 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7





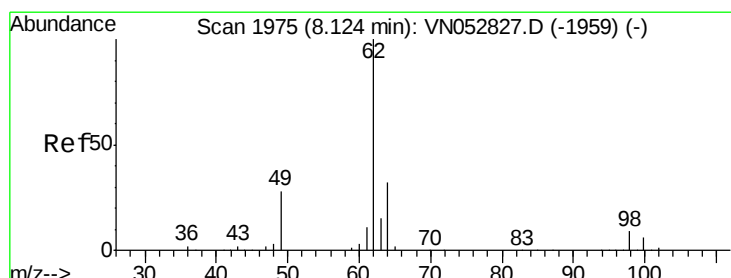
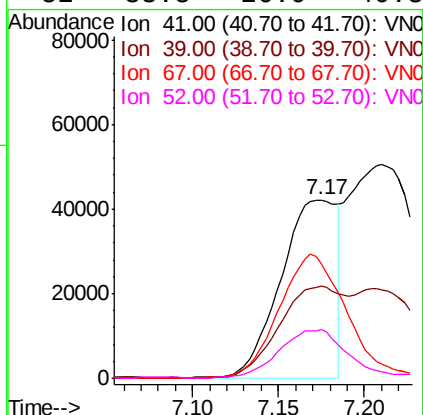
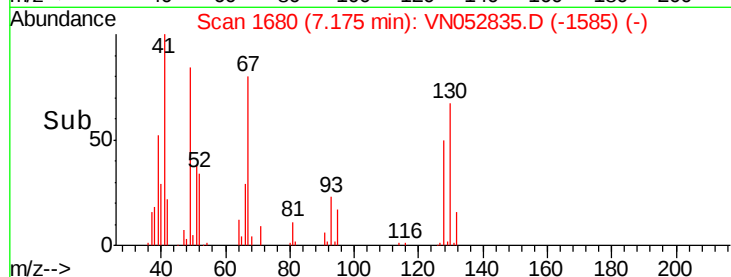
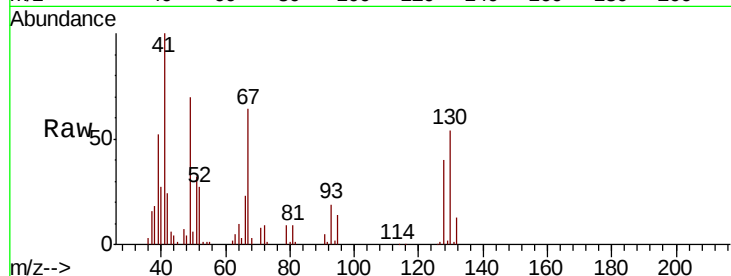
#41
Methacrylonitrile
Concen: 20.062 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.4	48.0	72.0
67	84.0	70.3	105.5
52	33.8	26.9	40.3

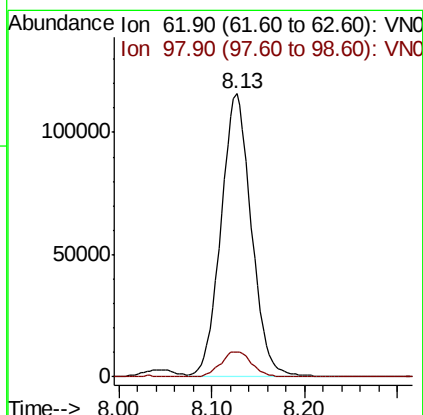
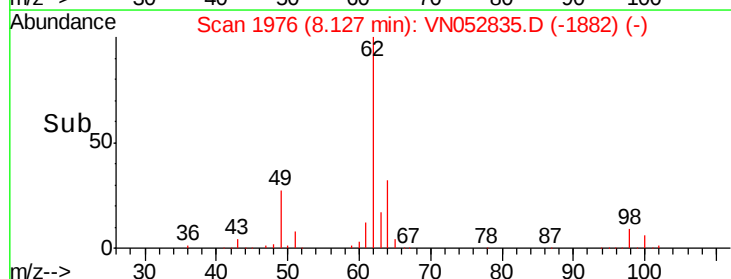
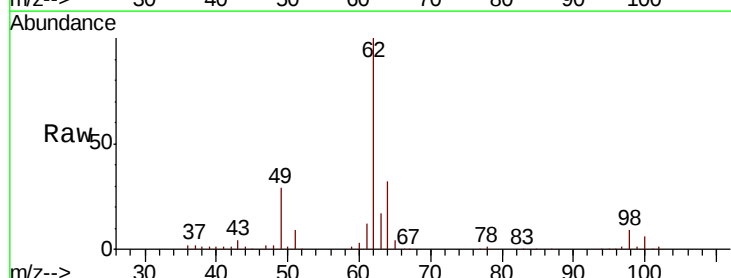
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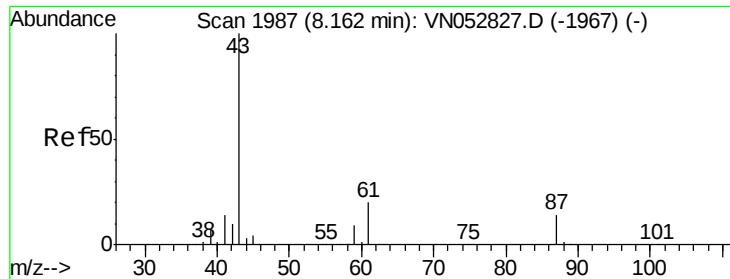
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.227 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.0





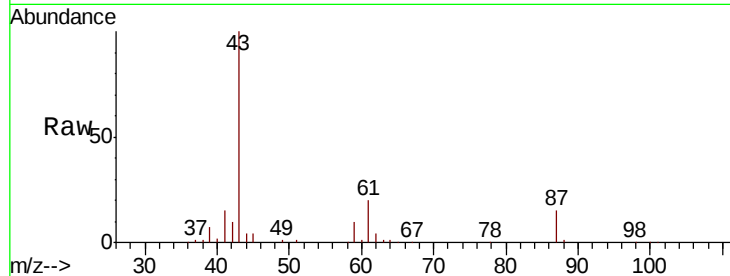
#43
Isopropyl Acetate
Concen: 18.338 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

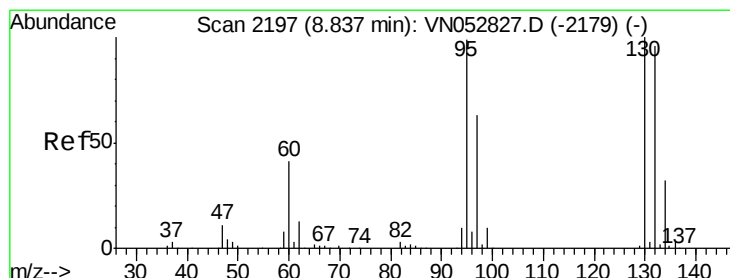
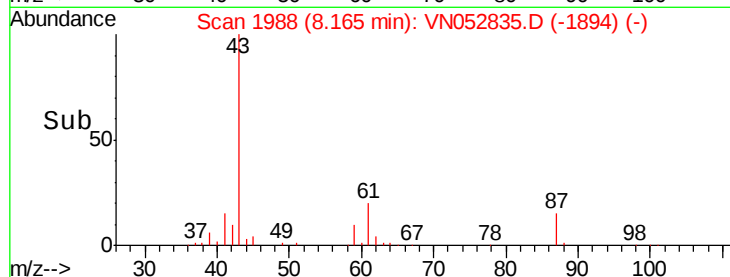
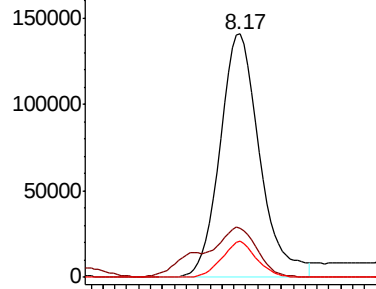
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	22.9	34.3#
87	13.1	10.6	15.8

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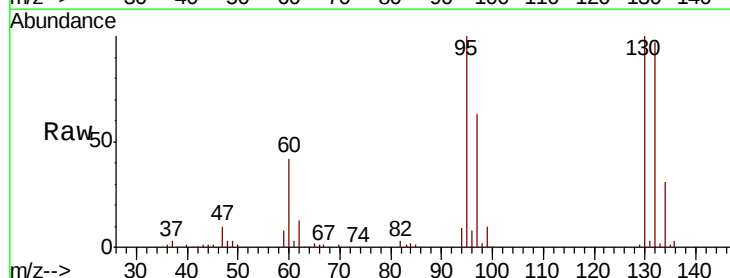


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

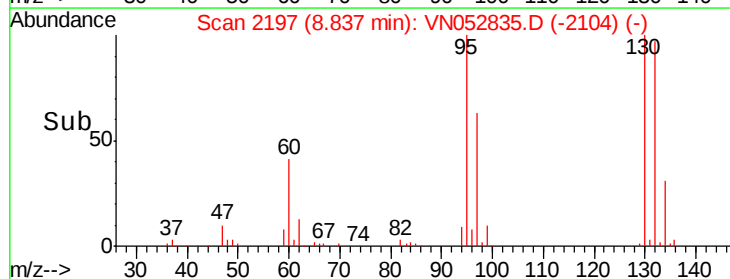
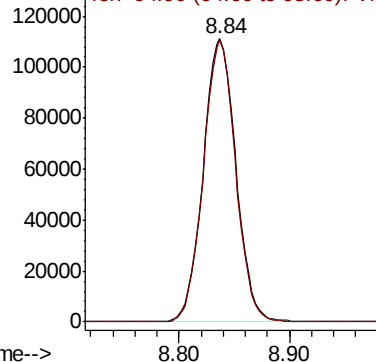


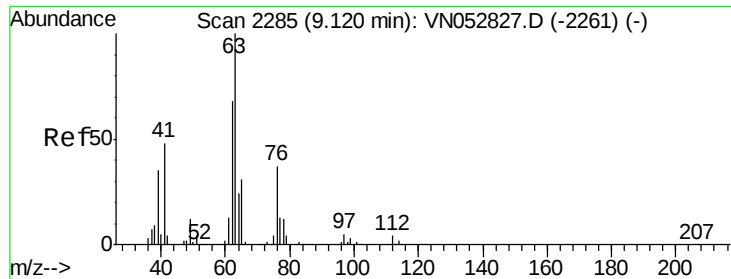
#44
Trichloroethene
Concen: 19.570 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	197.8



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





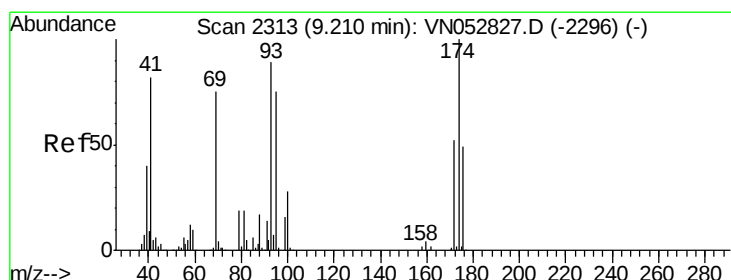
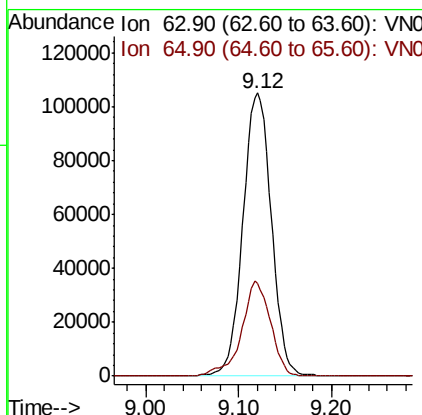
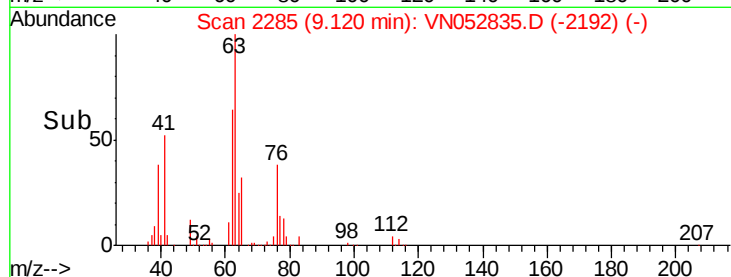
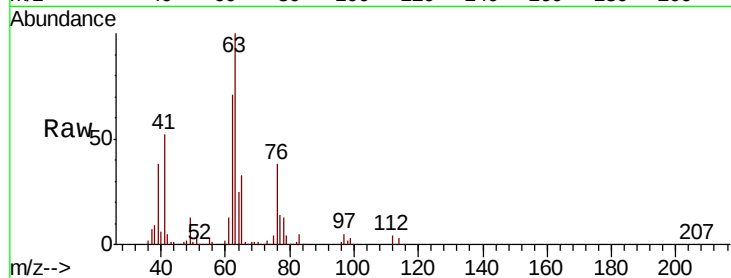
#45
 1,2-Dichloropropane
 Concen: 19.826 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion: 63 Resp: 224128
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.6 37.0

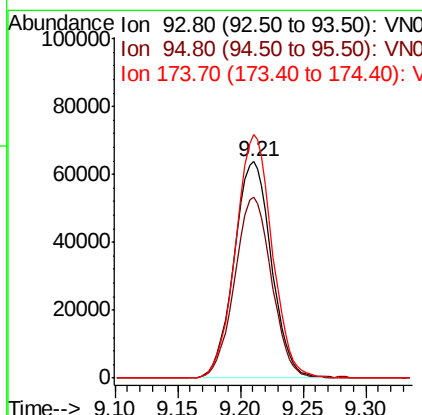
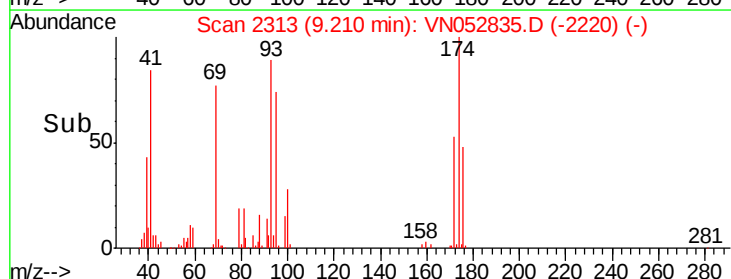
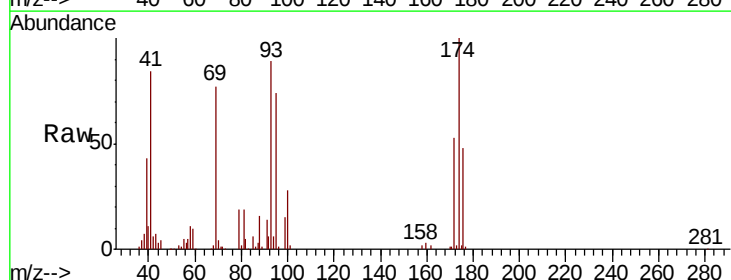
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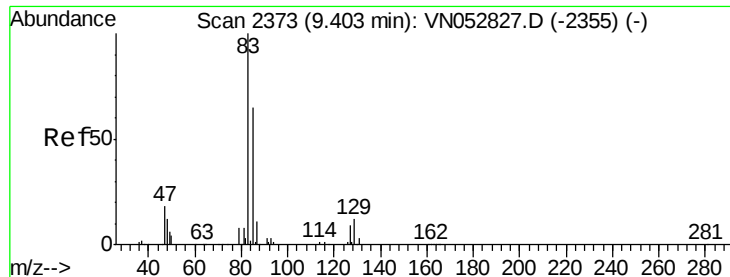
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#46
 Dibromomethane
 Concen: 20.147 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion: 93 Resp: 132090
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.8 101.6
 174 110.4 89.0 133.4





#47

Bromodichloromethane

Concen: 19.962 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

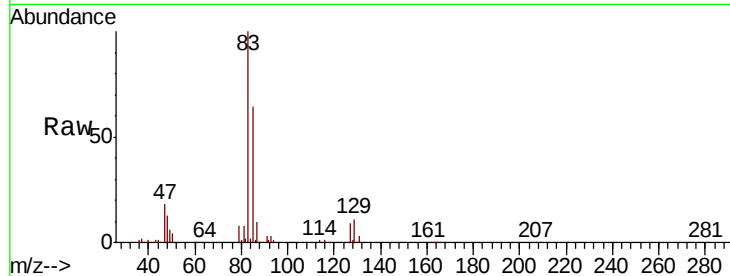
ClientSampleId :

VN1212WBSD02

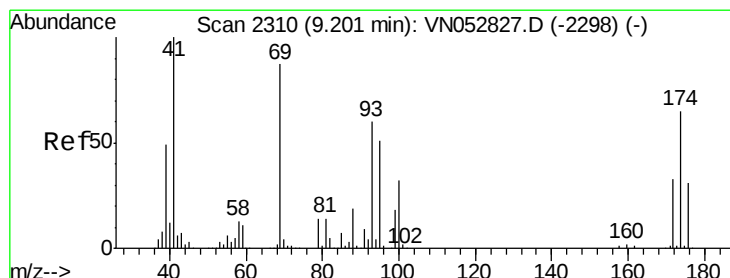
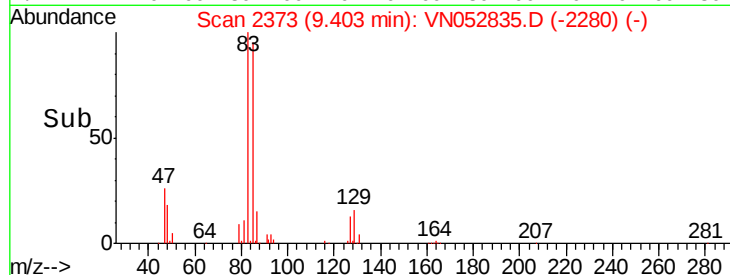
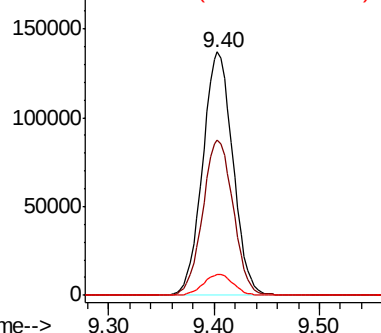
Tot Ion:	83	Resp:	271398
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.6	77.4
127	8.7	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN052835.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.258 ug/l

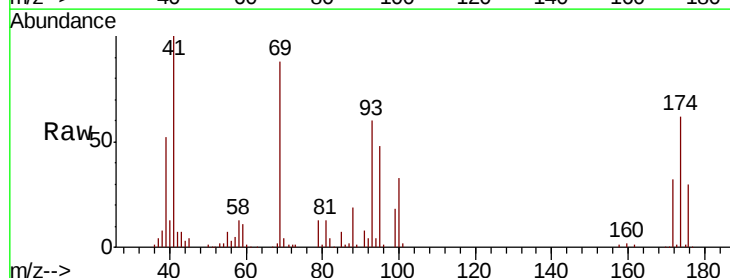
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

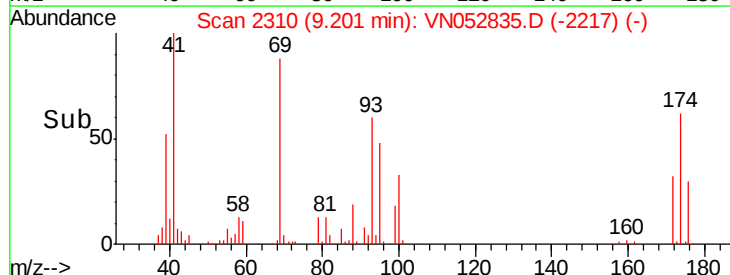
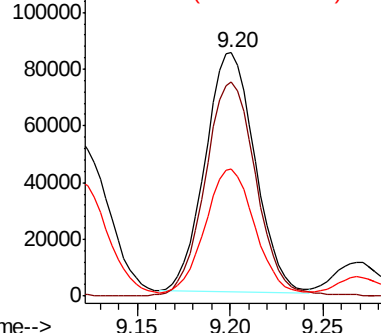
Lab File: VN052835.D

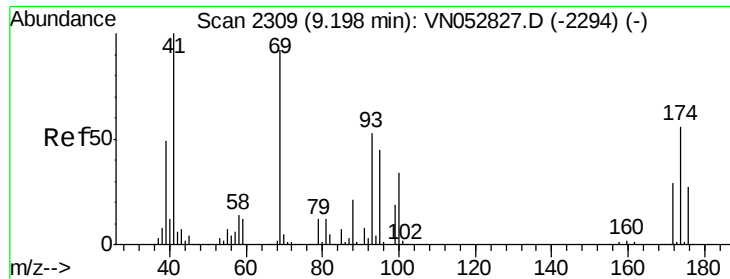
Acq: 12 Dec 2018 18:53

Tgt Ion:	41	Resp:	157353
Ion Ratio	Lower	Upper	
41	100		
69	92.0	72.2	108.2
39	53.9	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN052835.D (-2217) (-)





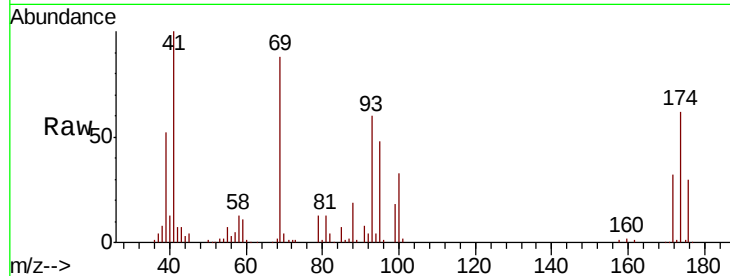
#49
1,4-Dioxane
Concen: 365.860 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

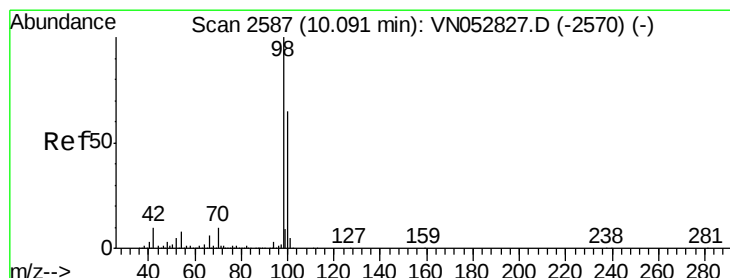
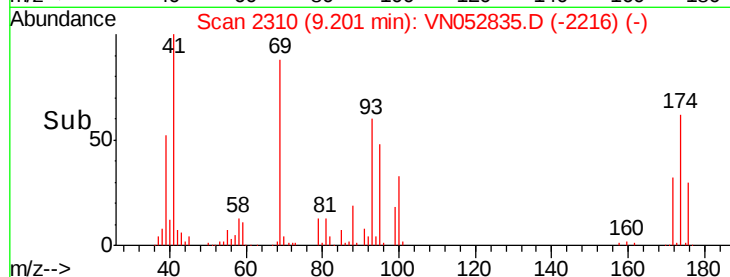
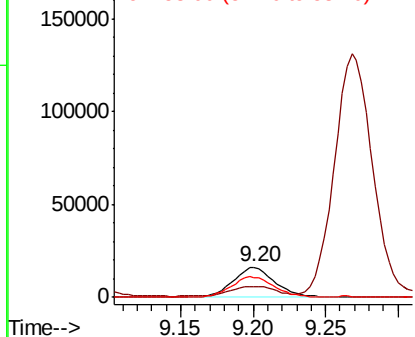
Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	26.6	40.0
58	70.8	58.4	87.6

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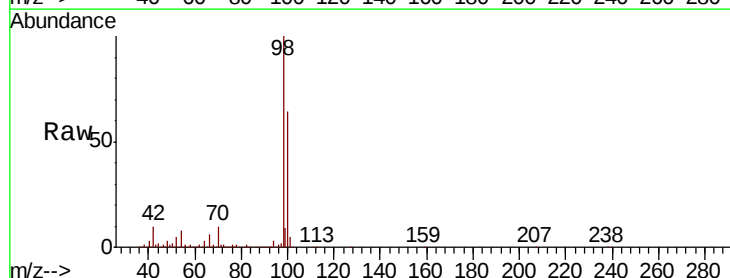


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

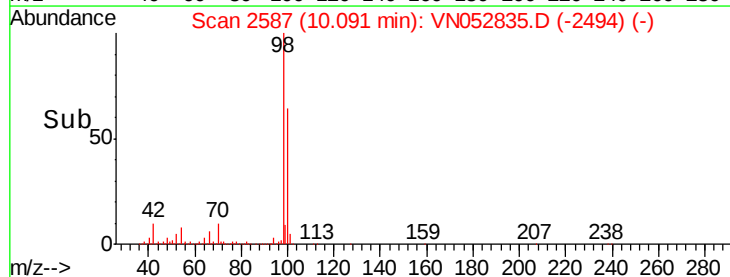
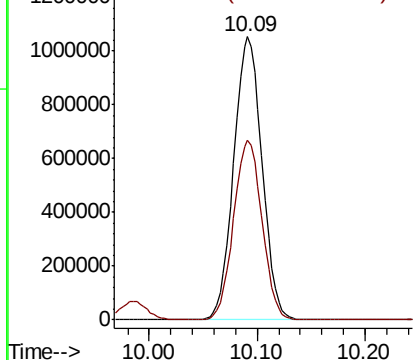


#50
Toluene-d8
Concen: 365.860 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





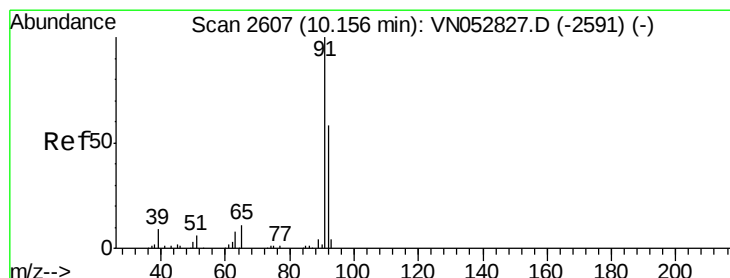
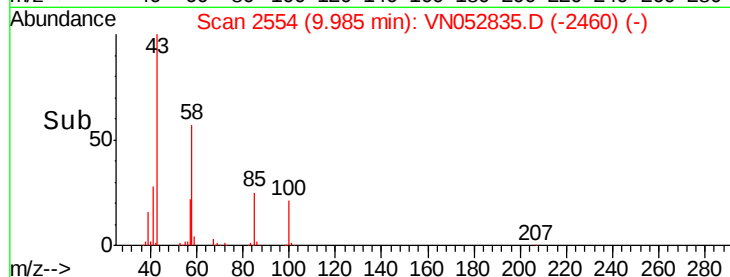
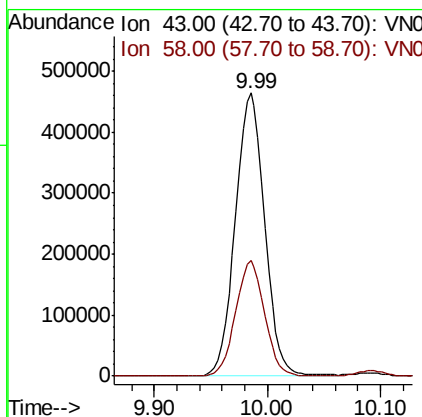
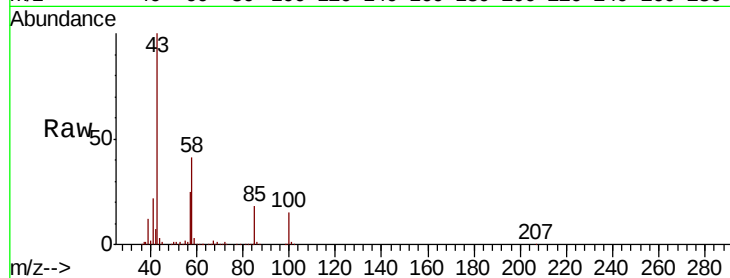
#51
4-Methyl-2-Pentanone
Concen: 103.132 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.4

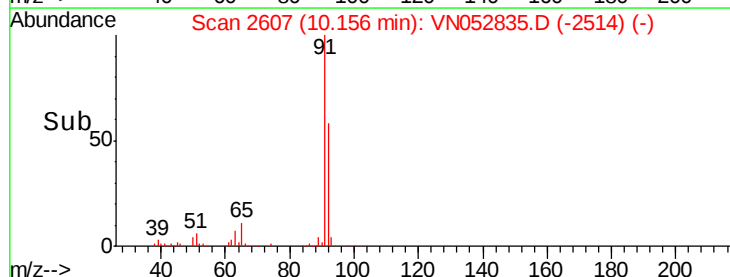
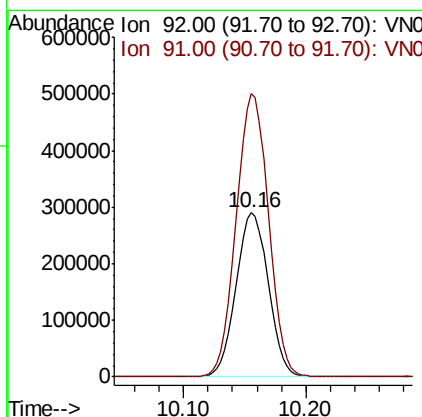
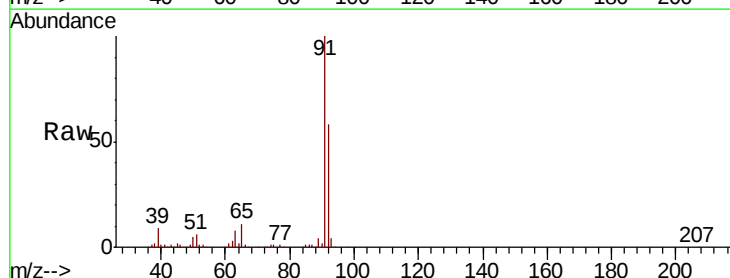
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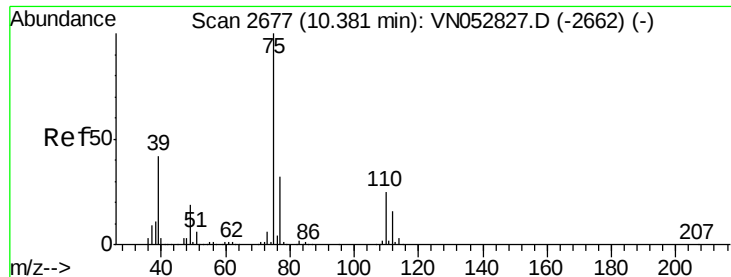
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#52
Toluene
Concen: 20.260 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	139.8	209.6





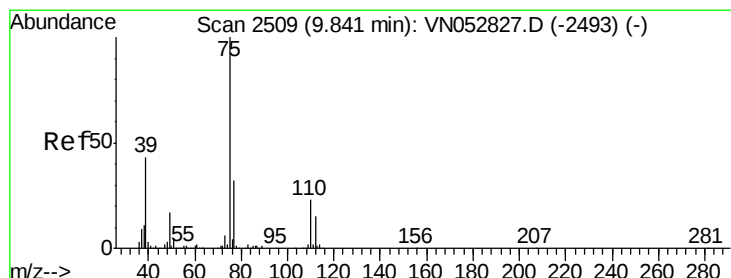
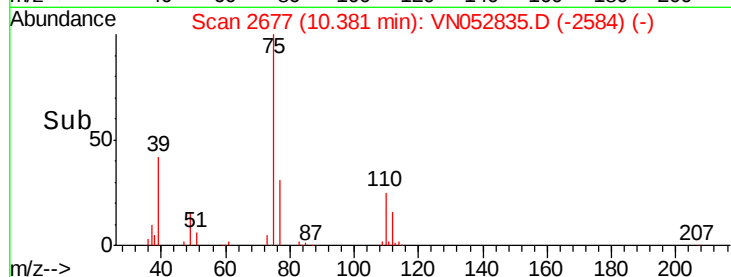
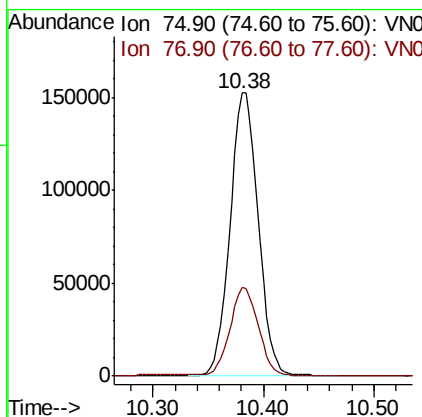
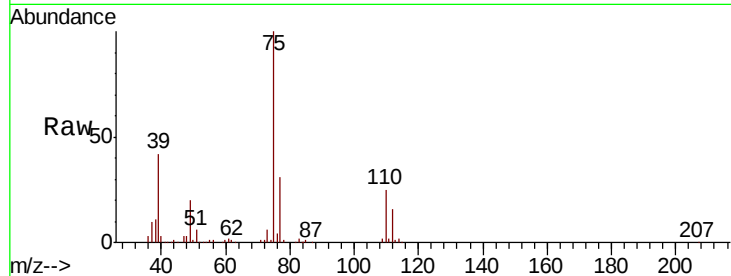
#53
t-1,3-Dichloropropene
Concen: 19.759 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4

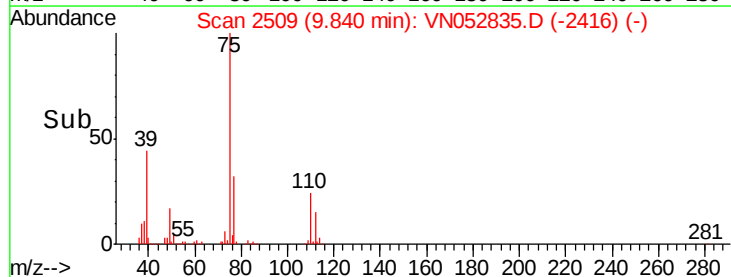
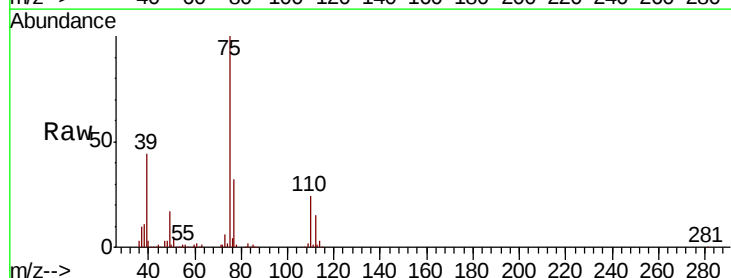
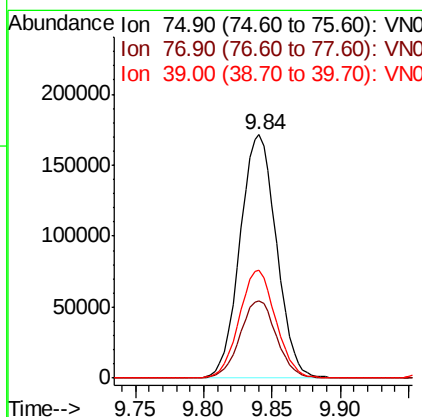
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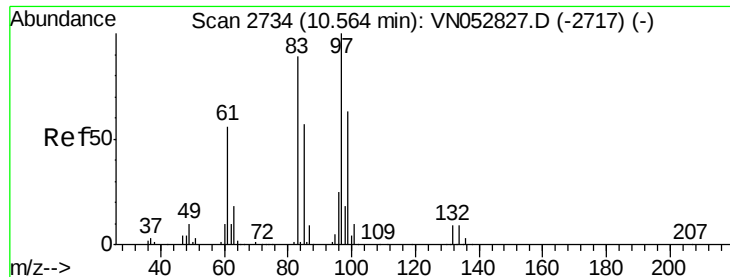
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#54
cis-1,3-Dichloropropene
Concen: 19.509 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	44.1	34.8	52.2





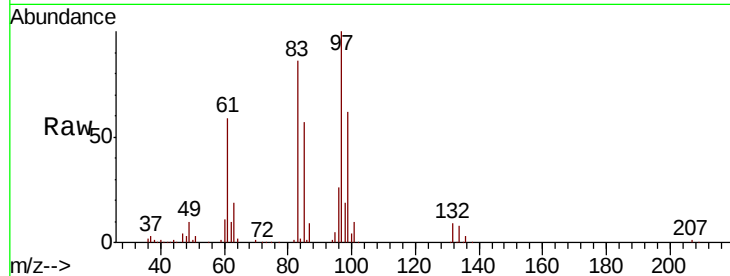
#55
 1,1,2-Trichloroethane
 Concen: 19.958 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.9	106.3
85	57.5	45.4	68.2
99	61.9	50.4	75.6

Manual Integrations
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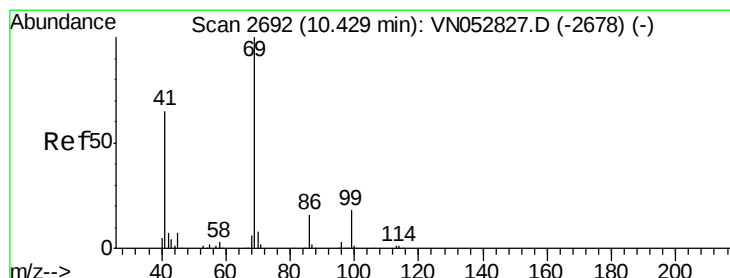
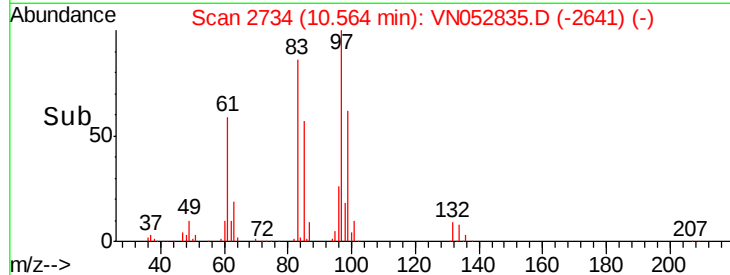
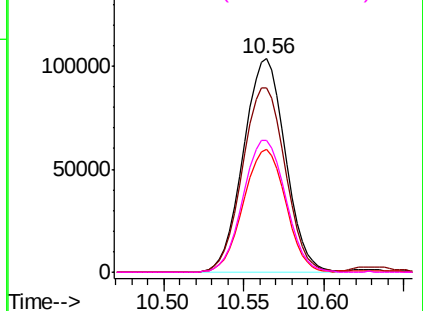
Abundance

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: 20.131 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

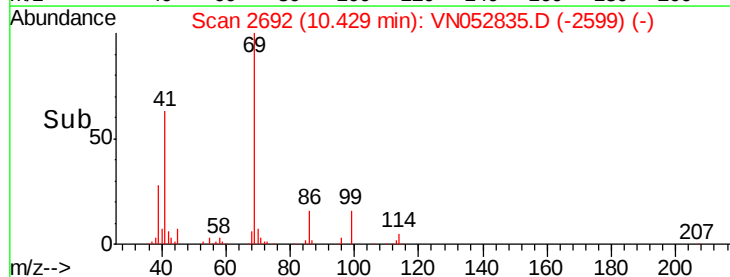
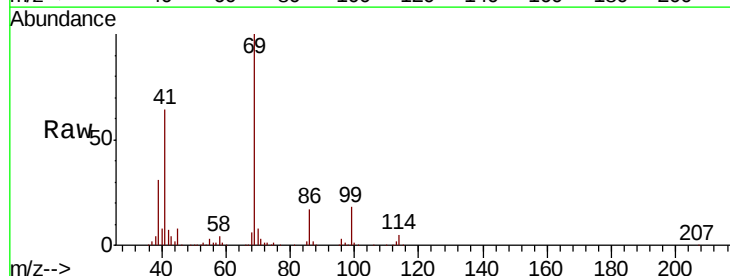
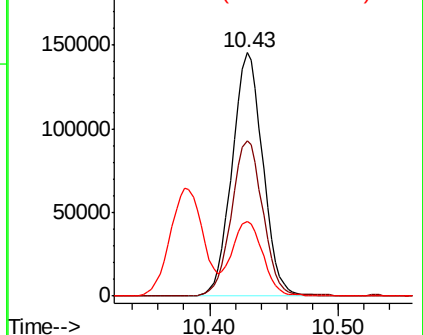
Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.7	77.5
39	31.2	24.6	37.0

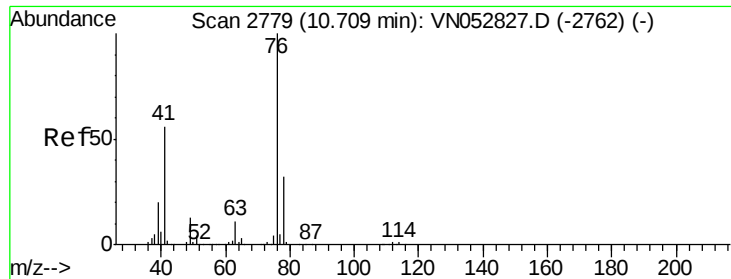
Abundance

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: 20.157 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 76 Resp: 322549

Ion Ratio Lower Upper

76 100

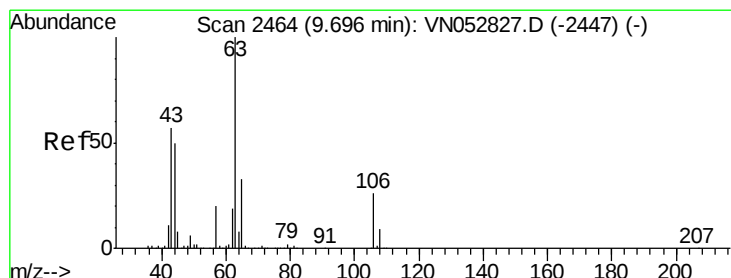
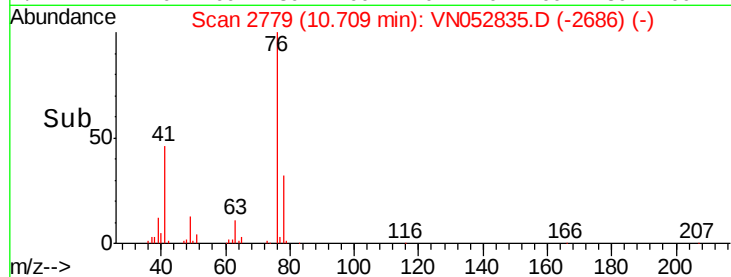
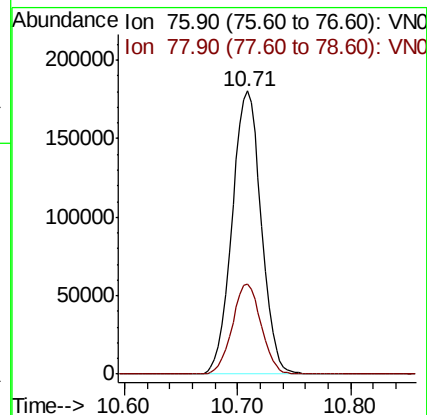
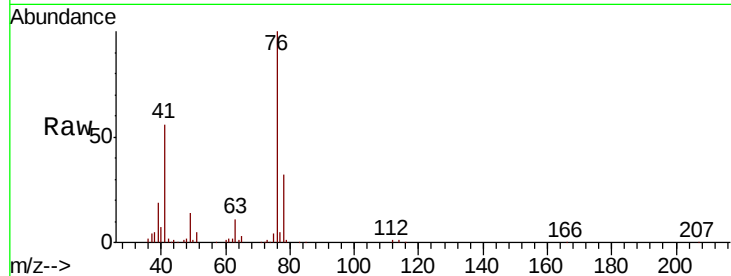
78 31.8 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.592 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052835.D

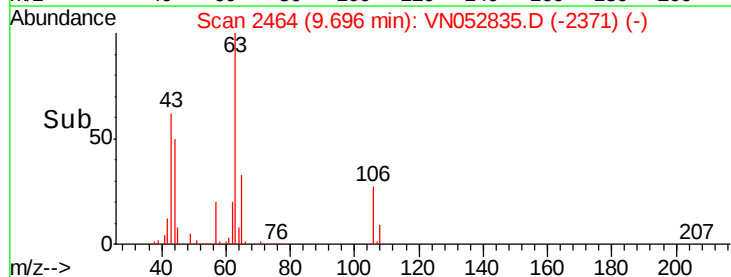
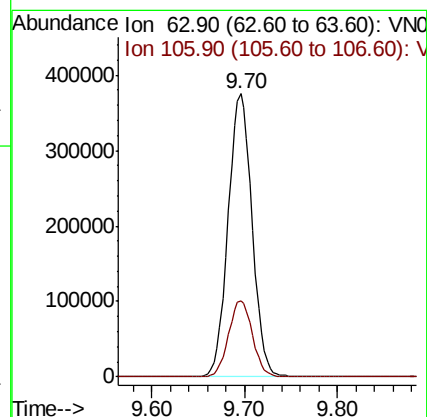
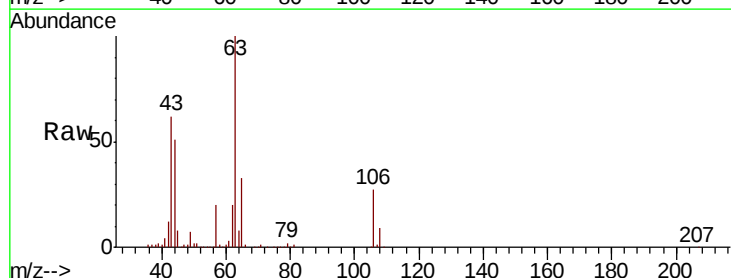
Acq: 12 Dec 2018 18:53

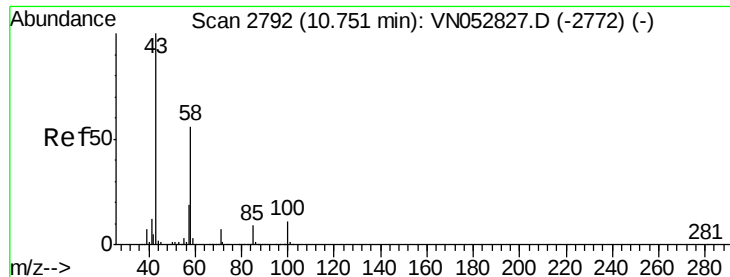
Tgt Ion: 63 Resp: 672171

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6





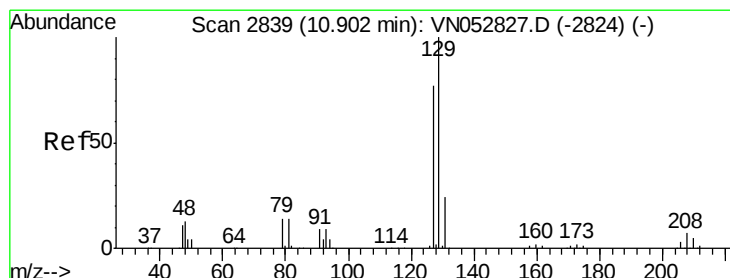
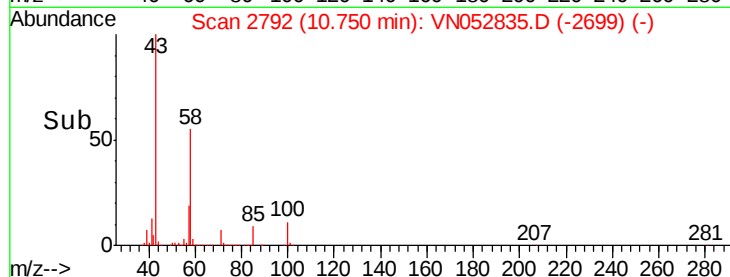
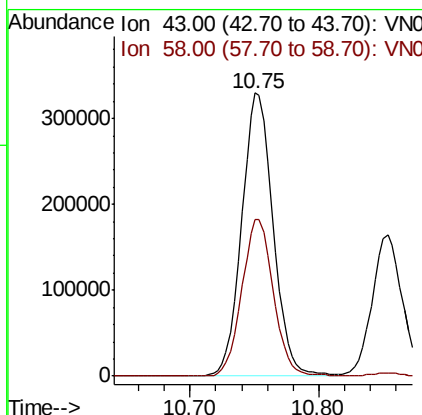
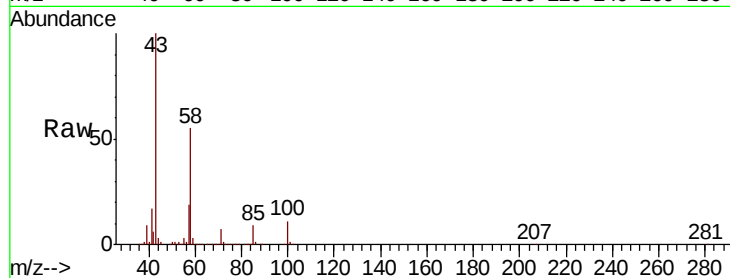
#59
2-Hexanone
Concen: 99.978 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	28.1	84.3

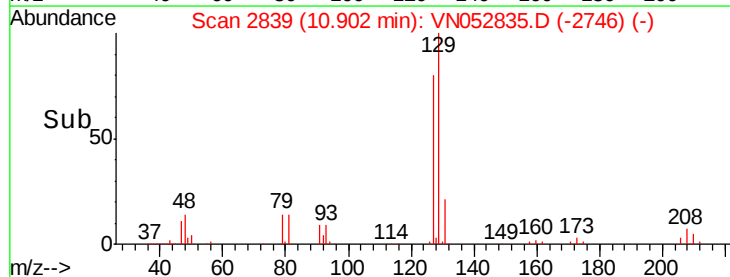
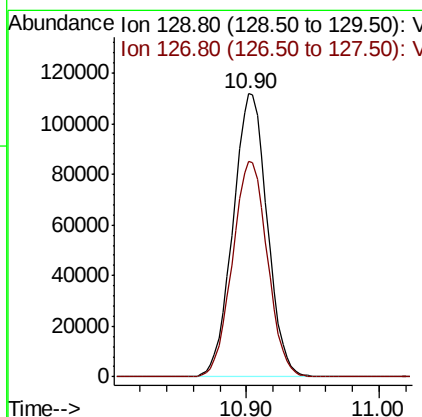
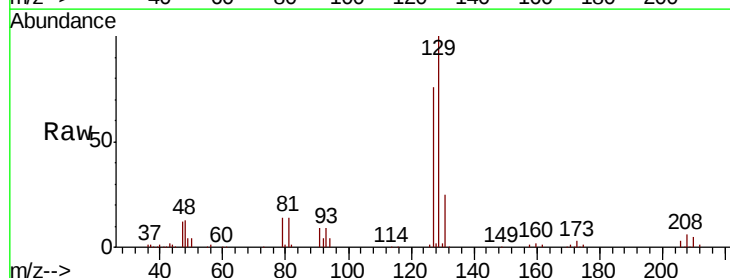
Manual Integrations
APPROVED

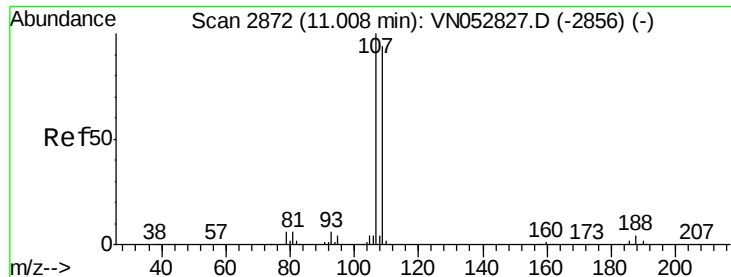
MMDadoda
12/13/2018 1:36:39 PM



#60
Dibromochloromethane
Concen: 19.887 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	116.0





#61

1,2-Dibromoethane

Concen: 20.128 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 107 Resp: 185659

Ion Ratio Lower Upper

107 100

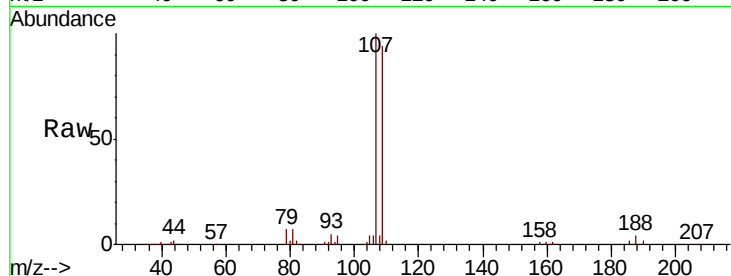
109 93.7 75.4 113.0

Manual Integrations

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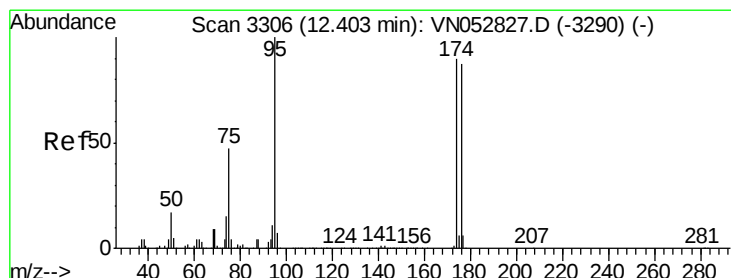
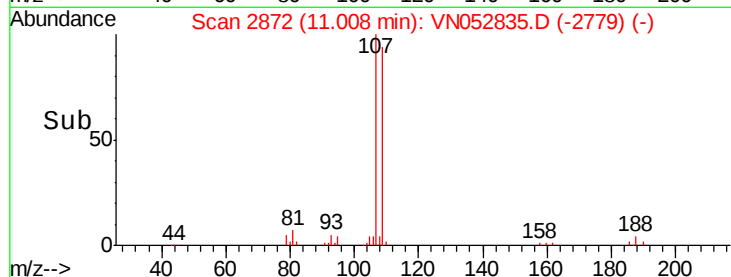
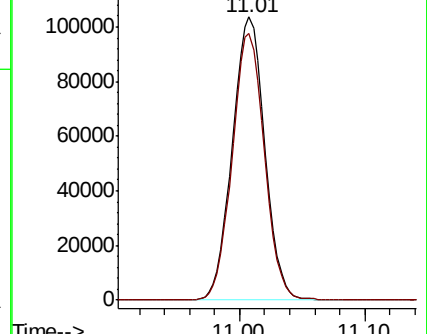
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.128 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

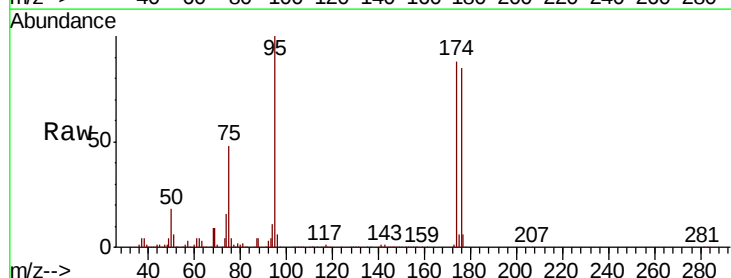
Tgt Ion: 95 Resp: 643513

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

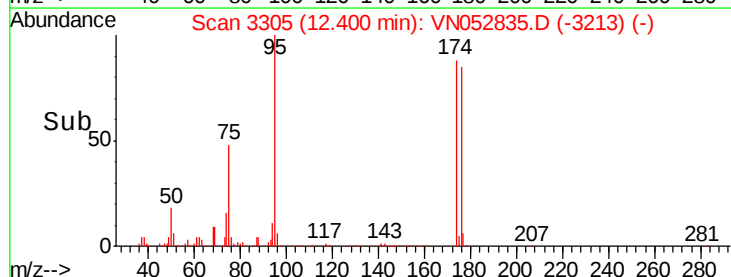
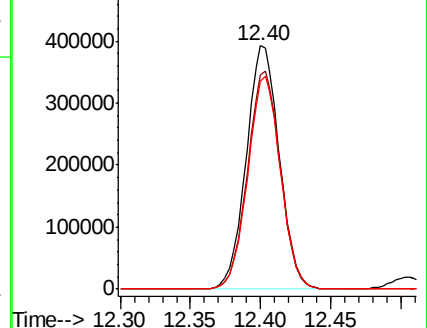
176 86.7 0.0 173.8

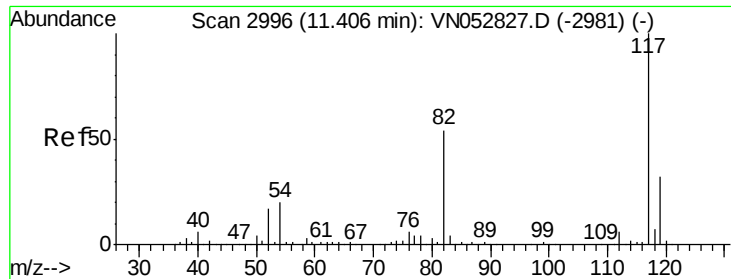


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





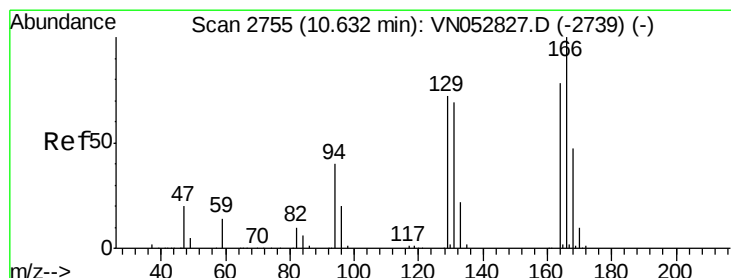
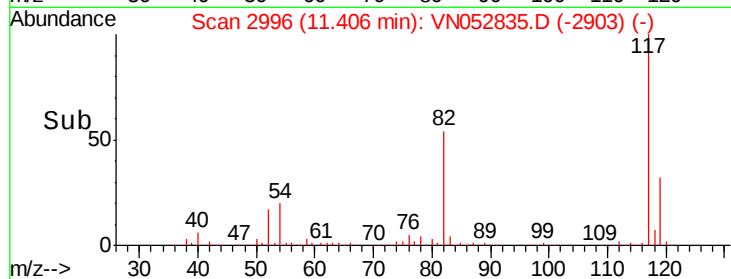
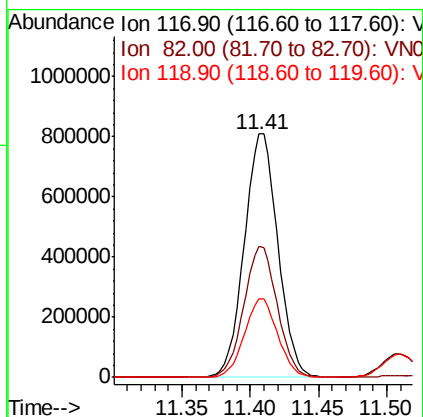
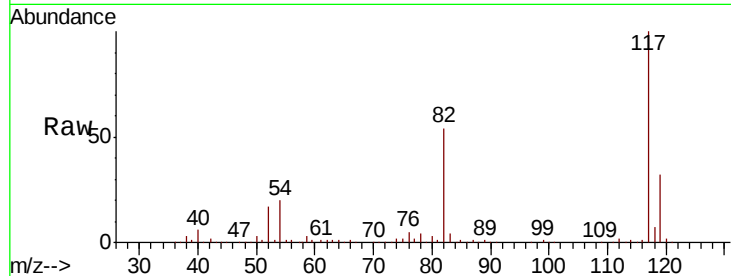
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.8	64.2
119	32.2	25.5	38.3

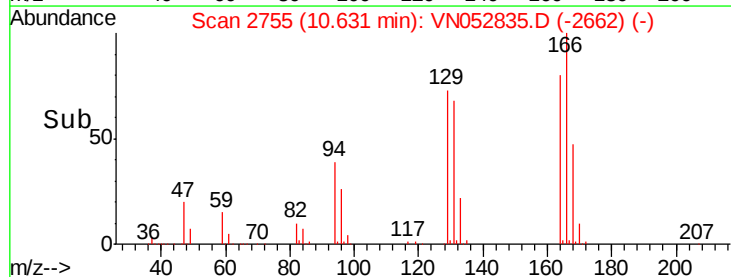
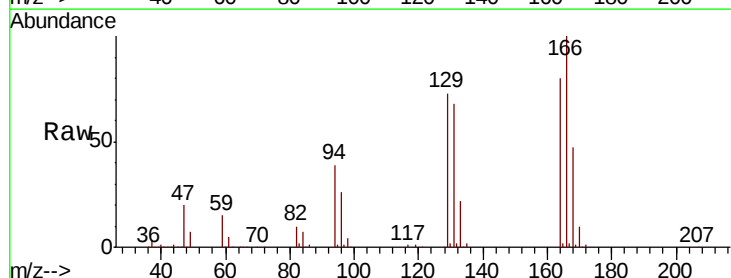
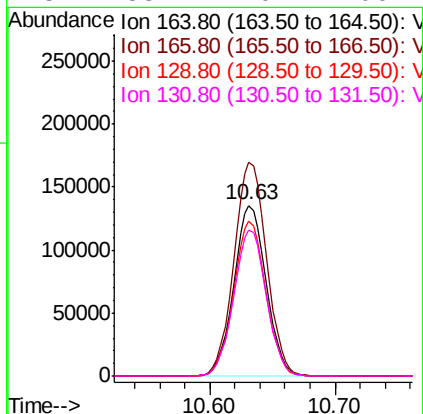
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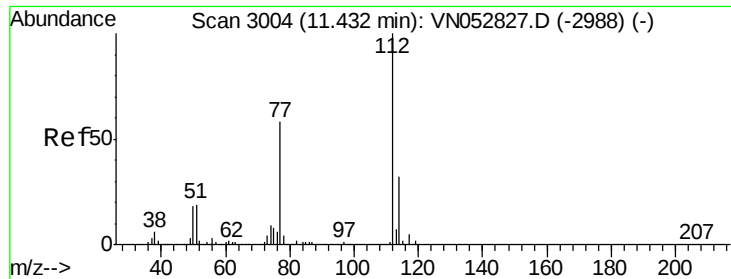
MMDadoda
12/13/2018 1:36:39 PM



#64
Tetrachloroethene
Concen: 20.264 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	102.9	154.3
129	90.7	73.7	110.5
131	85.4	70.7	106.1





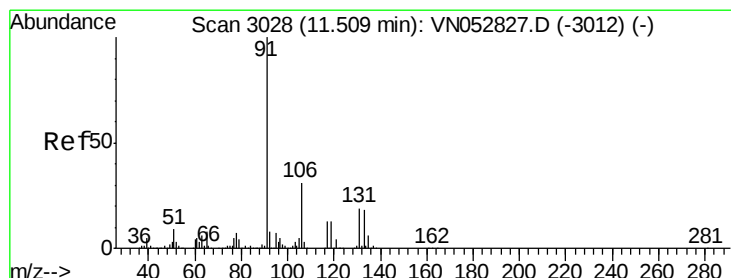
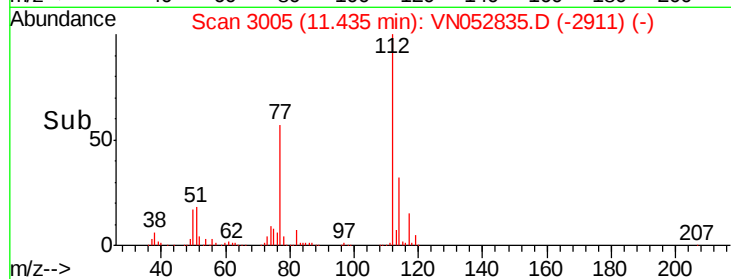
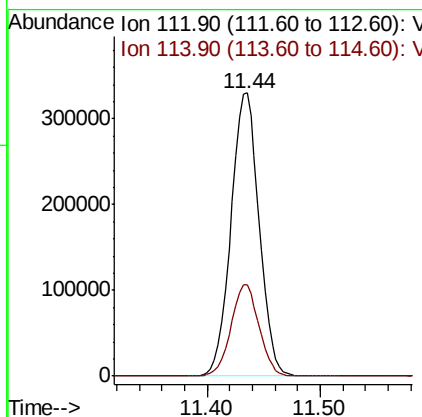
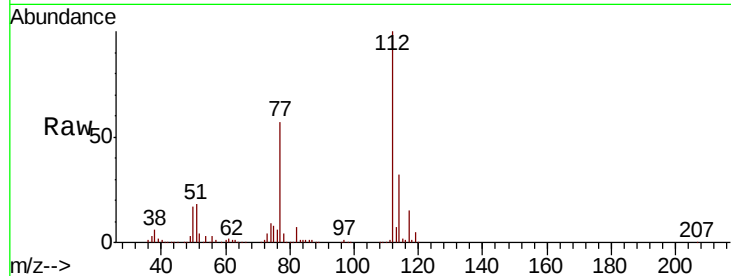
#65
Chlorobenzene
Concen: 19.842 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	569669		
114	32.1	25.5	38.3	

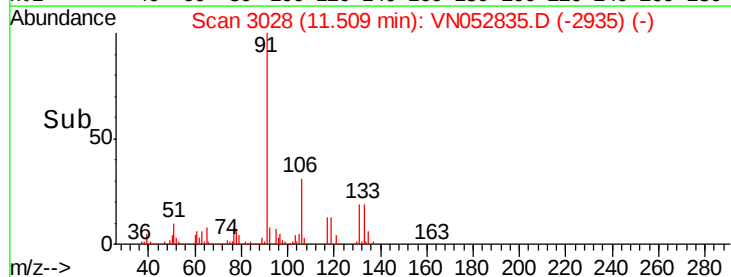
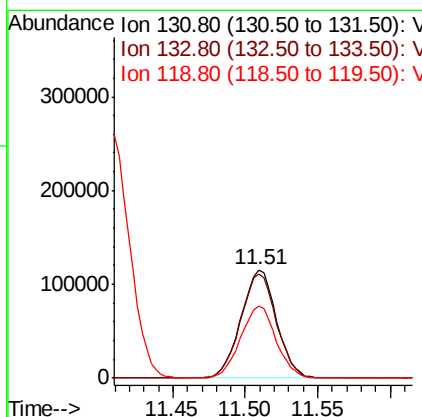
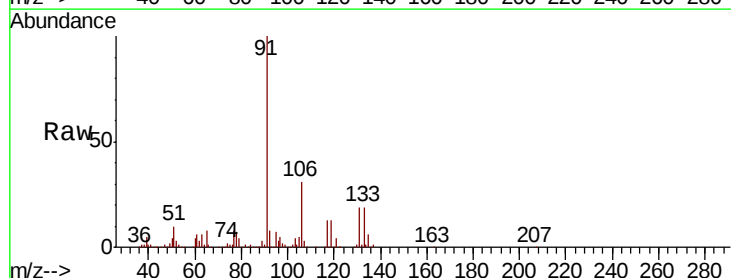
Manual Integrations
APPROVED

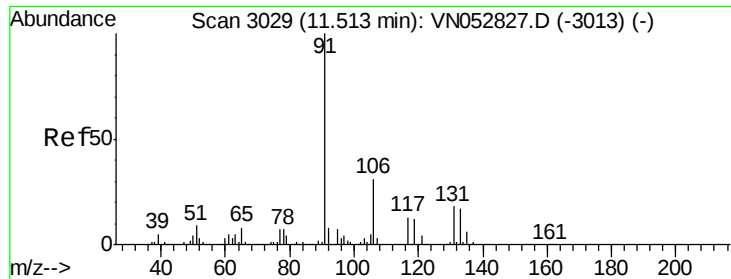
MMDadoda
12/13/2018 1:36:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.785 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	197555		
133	96.8	47.6	142.9	
119	66.2	33.3	99.8	





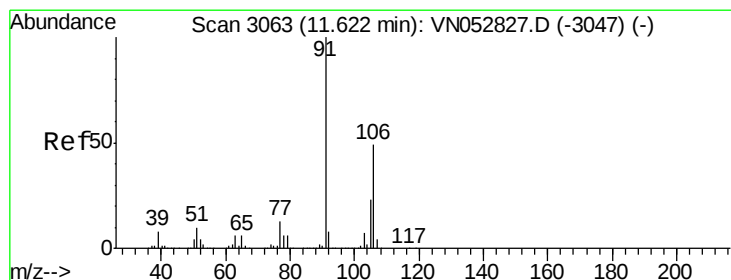
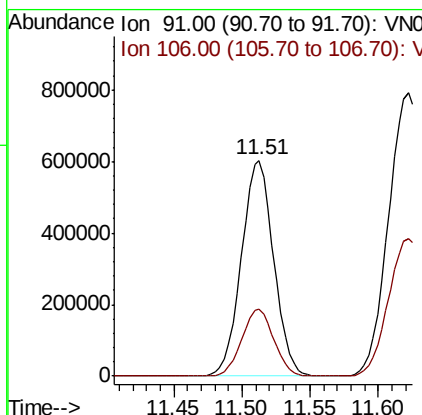
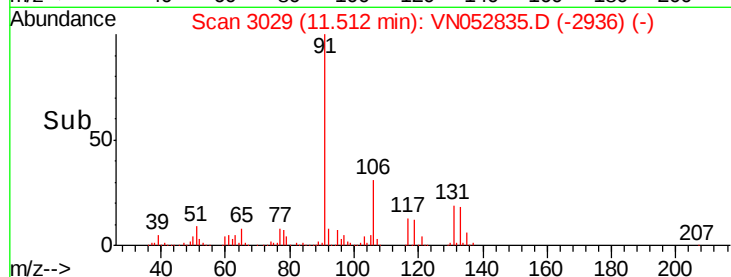
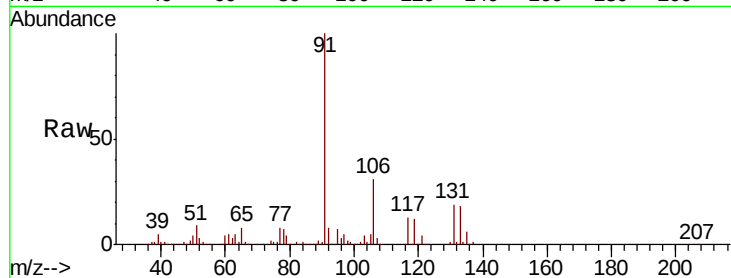
#67
Ethyl Benzene
Concen: 20.042 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion: 91 Resp: 988141
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

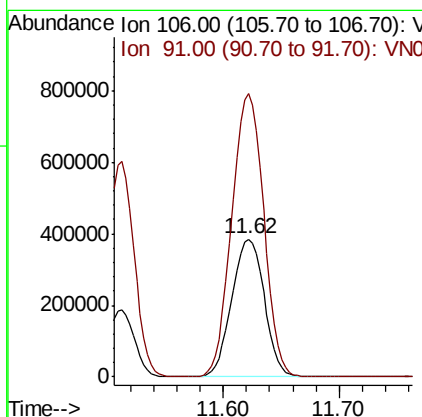
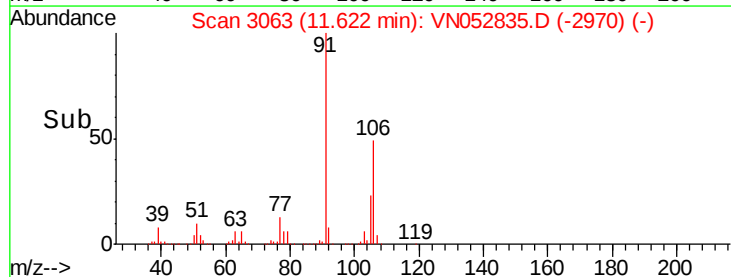
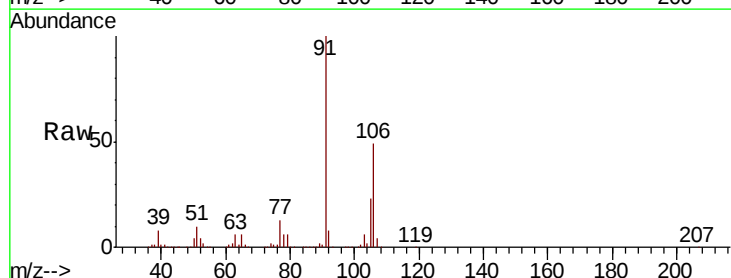
Manual Integrations
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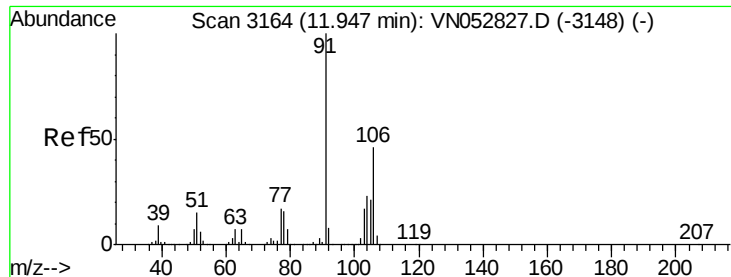
MMDadoda
12/13/2018 1:36:39 PM



#68
m/p-Xylenes
Concen: 40.432 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion: 106 Resp: 748532
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.4





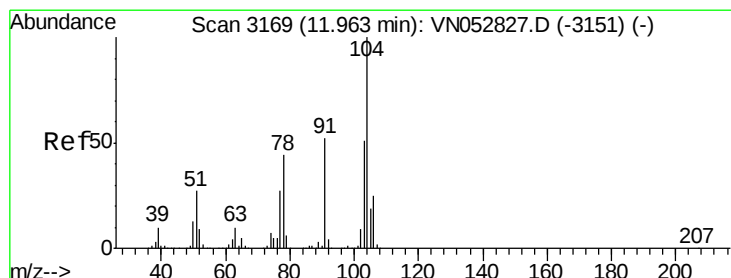
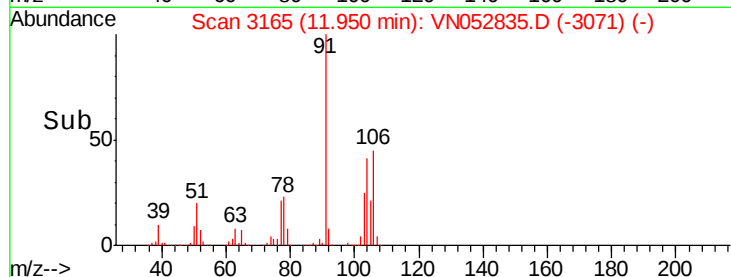
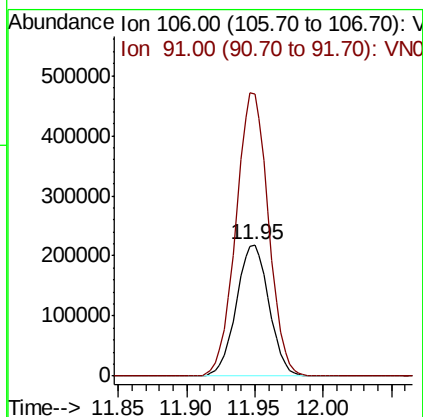
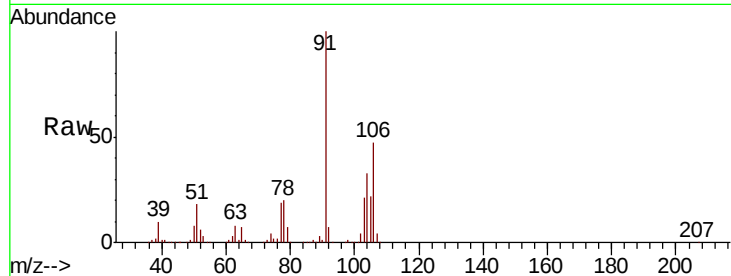
#69
o-Xylene
Concen: 20.110 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	106.6	319.8

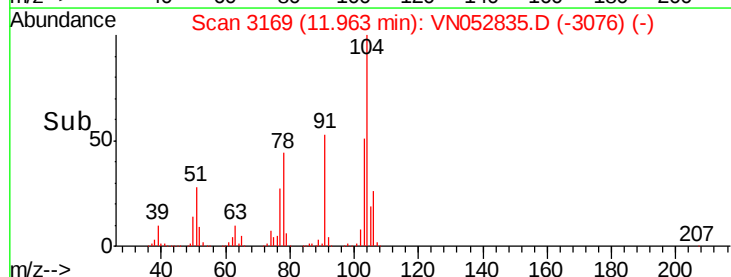
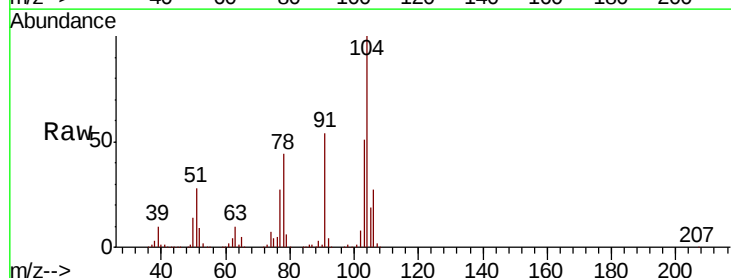
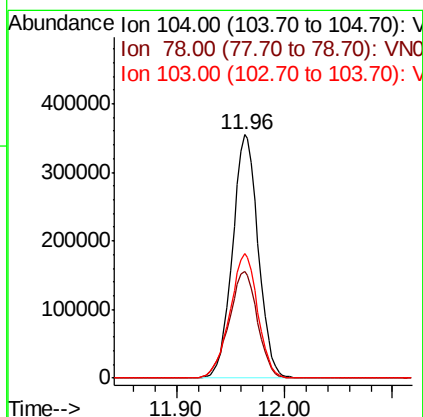
Manual Integrations
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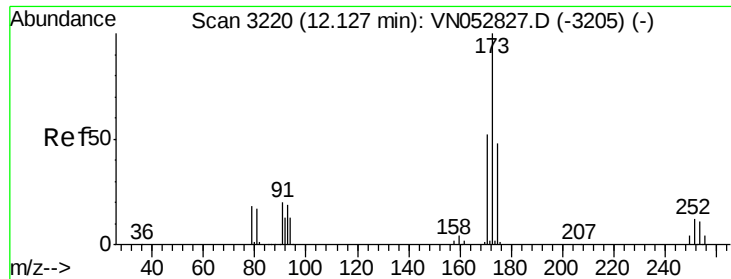
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12/13/2018 1:36:39 PM



#70
Styrene
Concen: 20.349 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.9	58.3
103	55.3	44.3	66.5





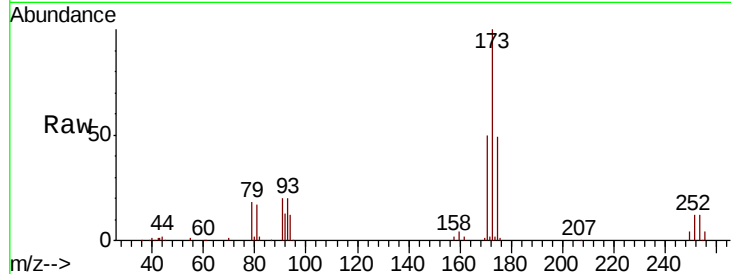
#71
Bromoform
Concen: 19.825 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
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MMDadoda
12/13/2018 1:36:39 PM

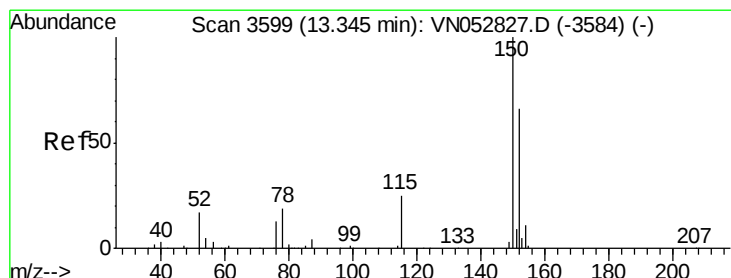
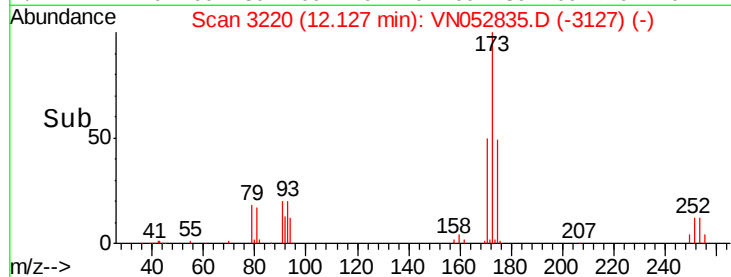
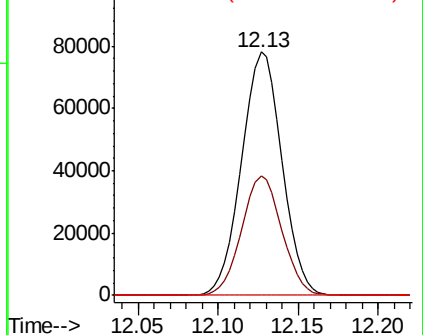


Abundance

Ion 172.70 (172.40 to 173.40): V

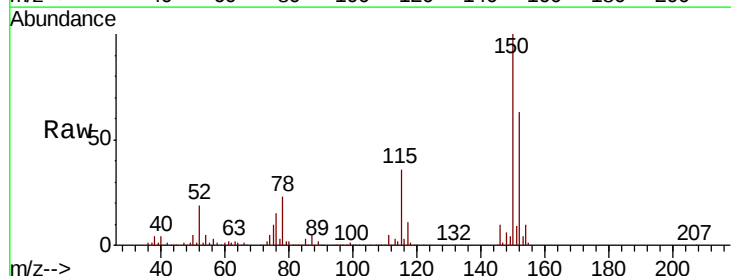
Ion 174.70 (174.40 to 175.40): V

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: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.3	85.0
150	162.9	0.0	347.8

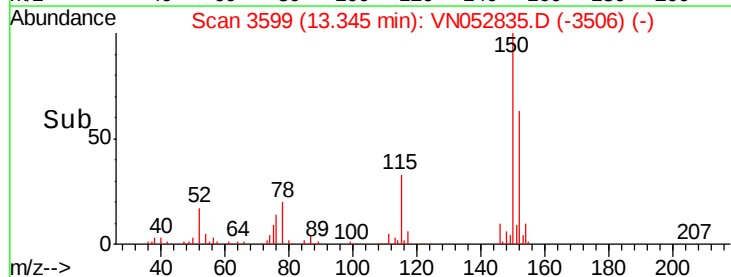
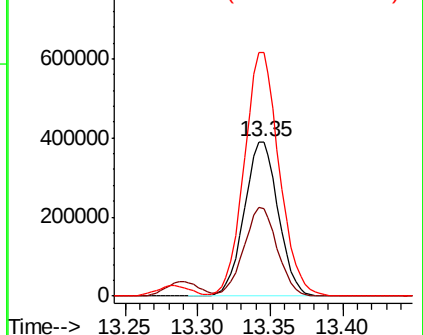


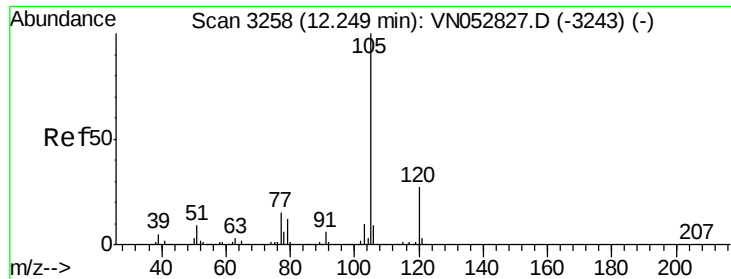
Abundance

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: 20.292 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 105 Resp: 964334

Ion Ratio Lower Upper

105 100

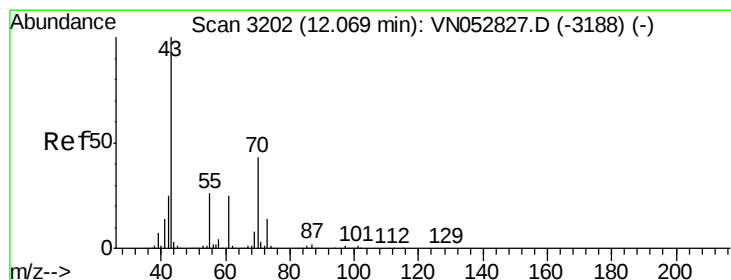
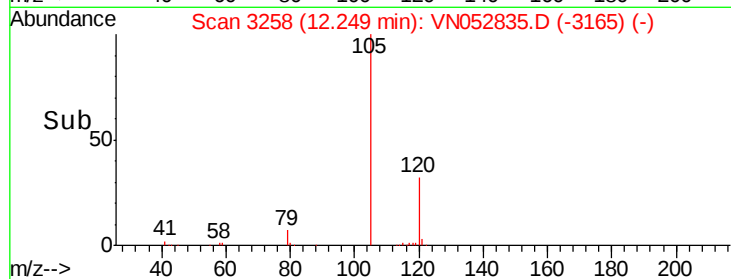
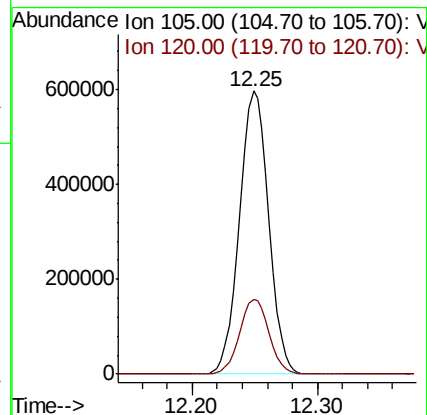
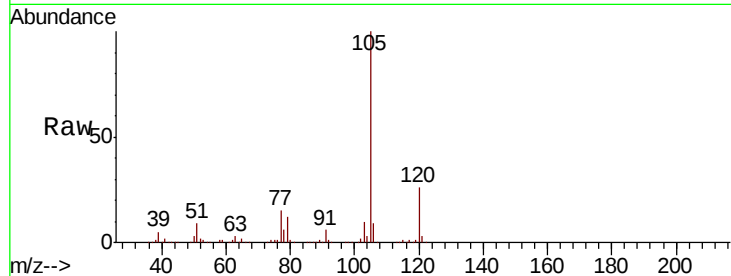
120 26.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.378 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Tgt Ion: 43 Resp: 265870

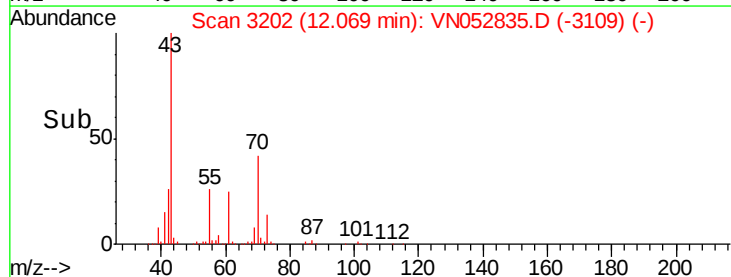
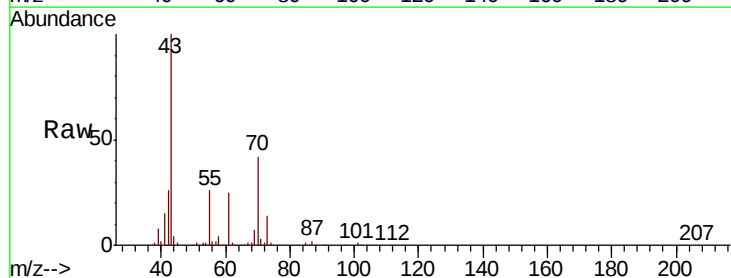
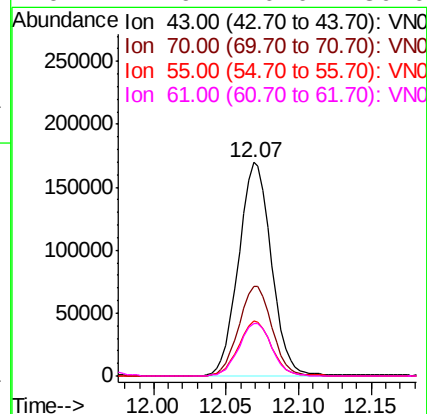
Ion Ratio Lower Upper

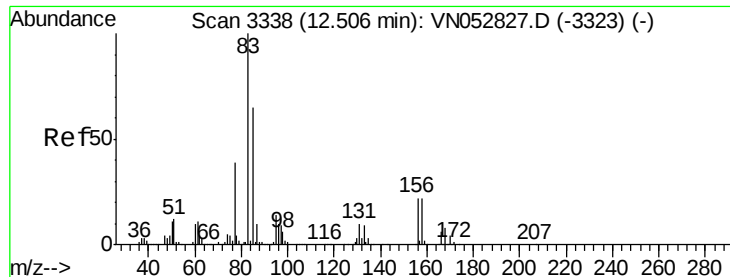
43 100

70 42.7 34.2 51.4

55 26.1 20.3 30.5

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.435 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

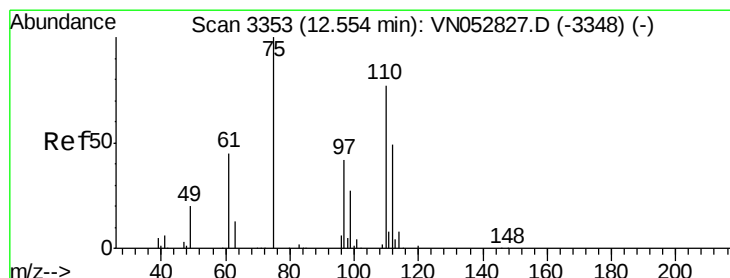
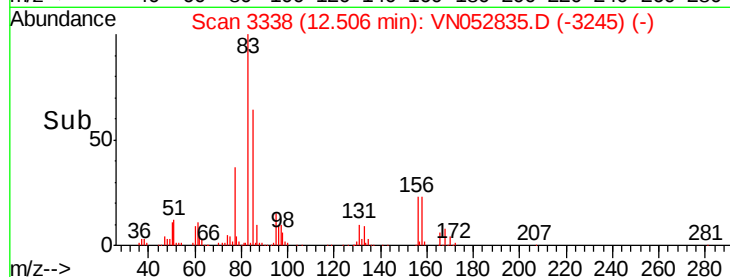
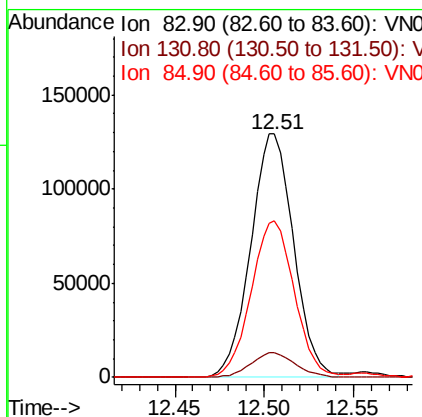
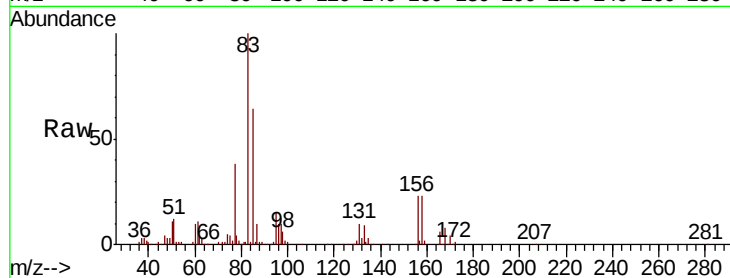
ClientSampleId :

VN1212WBSD02

Tot Ion:	83	Resp:	217644
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.6	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.034 ug/l m

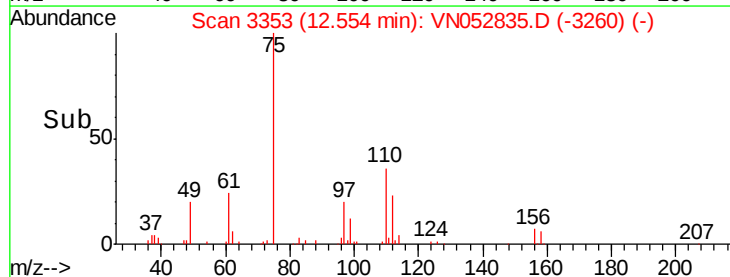
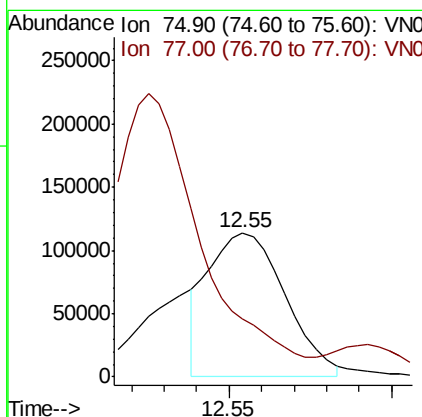
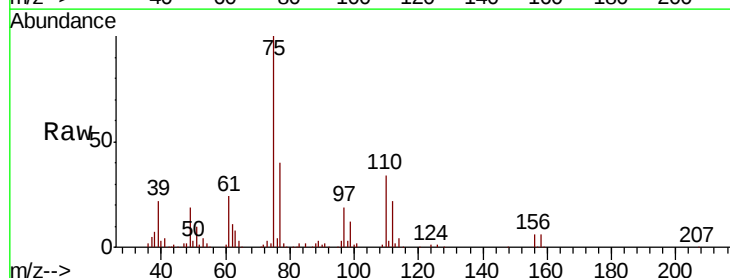
RT: 12.55 min Scan# 3353

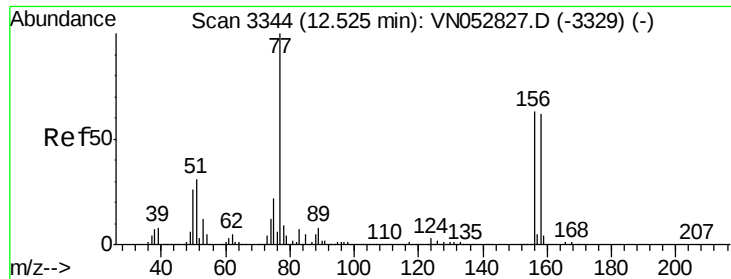
Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Tgt Ion:	75	Resp:	188134
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.321 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

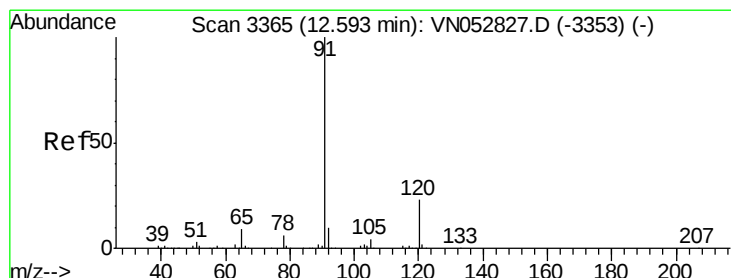
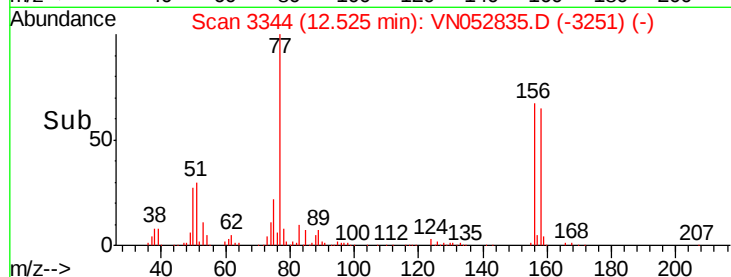
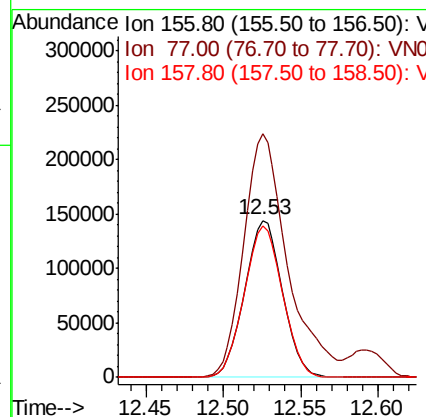
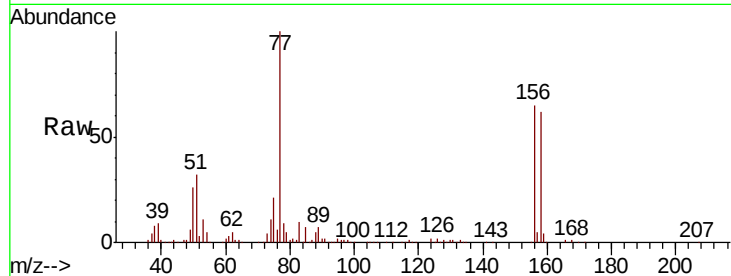
ClientSampleId :

VN1212WBSD02

Tot Ion:	156	Resp:	245630
Ion Ratio	Lower	Upper	
156	100		
77	181.3	91.3	273.8
158	97.7	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.159 ug/l

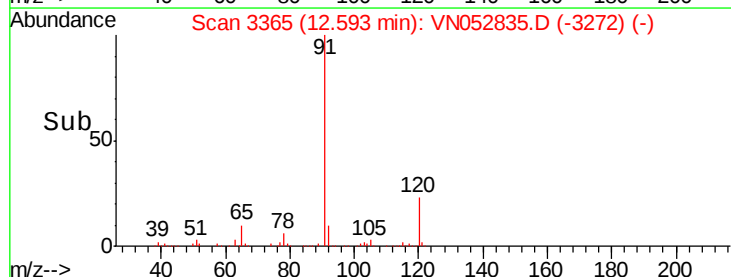
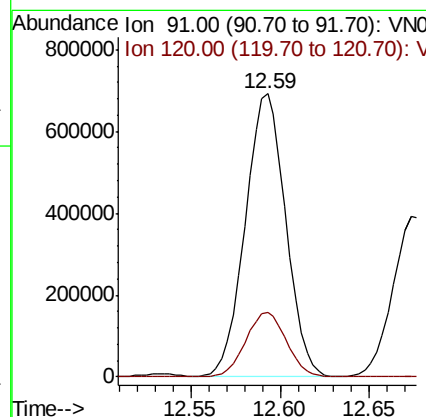
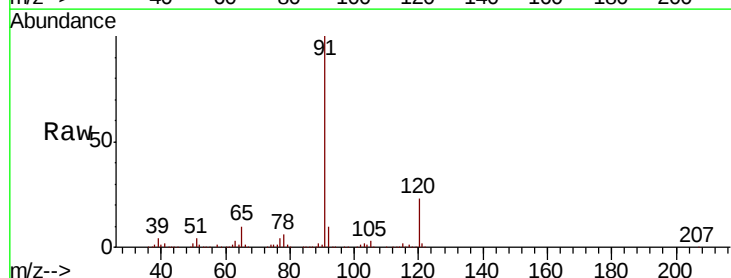
RT: 12.59 min Scan# 3365

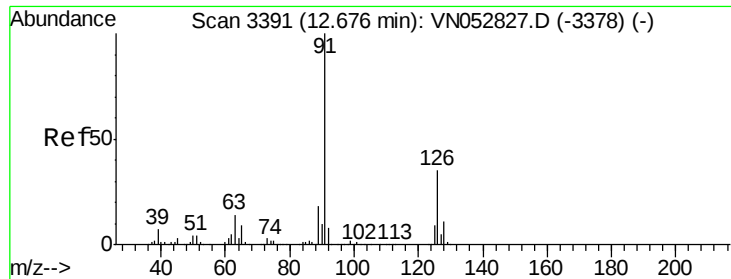
Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Tgt Ion:	91	Resp:	1092594
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.264 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion: 91 Resp: 649301

Ion Ratio Lower Upper

91 100

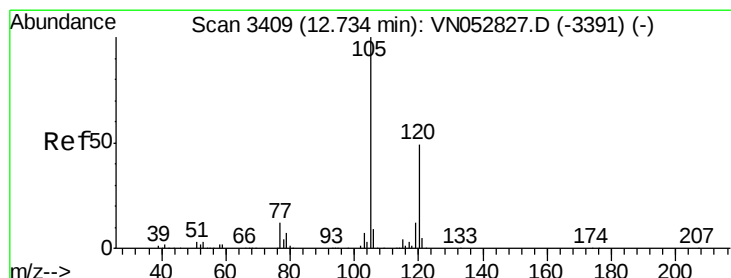
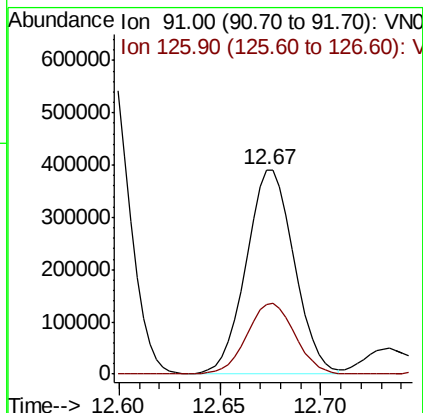
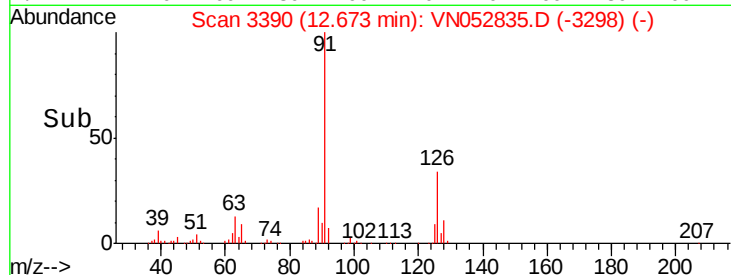
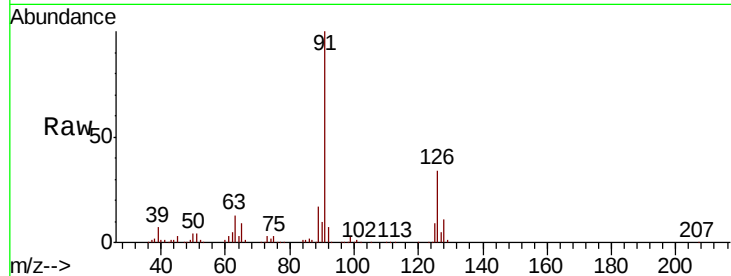
126 34.8 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.150 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052835.D

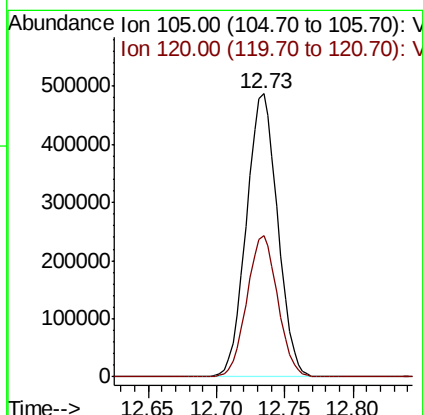
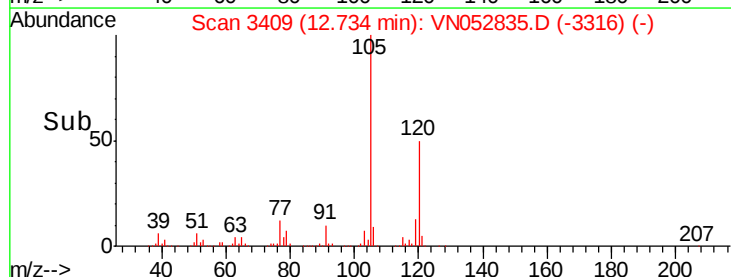
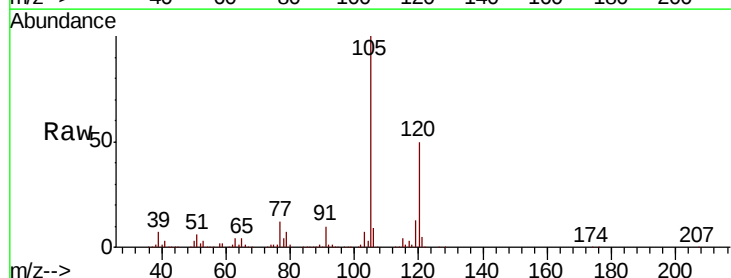
Acq: 12 Dec 2018 18:53

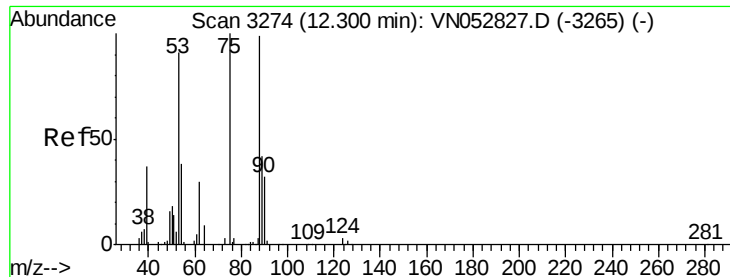
Tgt Ion: 105 Resp: 773002

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.544 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

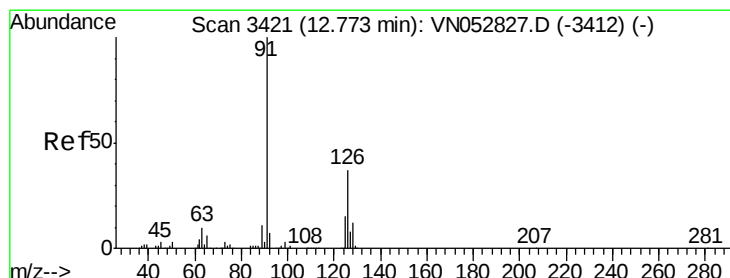
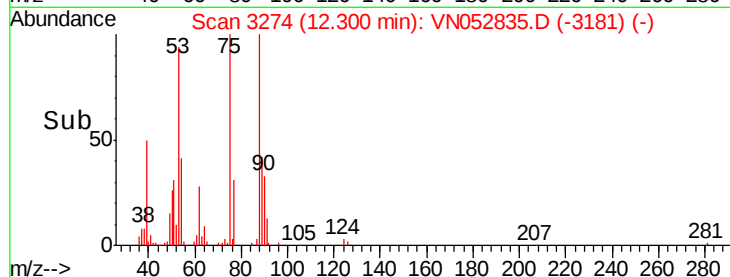
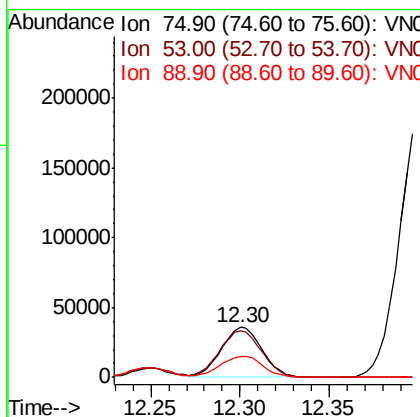
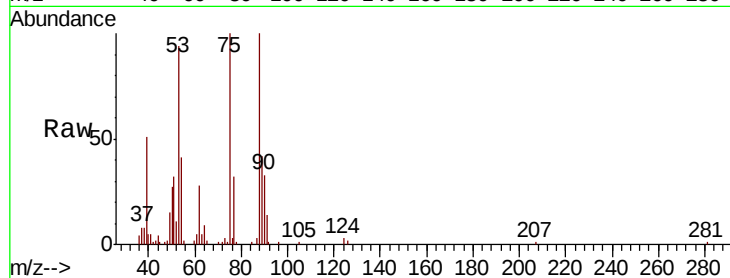
ClientSampleId :

VN1212WBSD02

Tot Ion:	75	Resp:	57131
Ion Ratio	Lower	Upper	
75	100		
53	95.8	74.7	112.1
89	44.2	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.034 ug/l

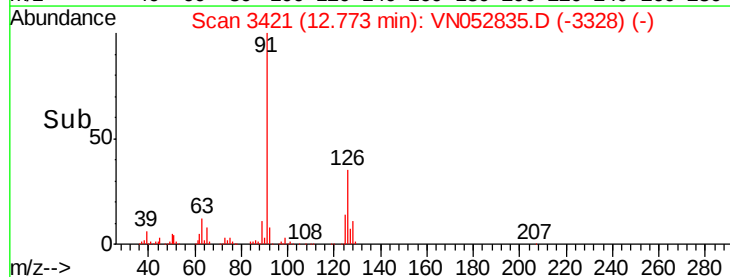
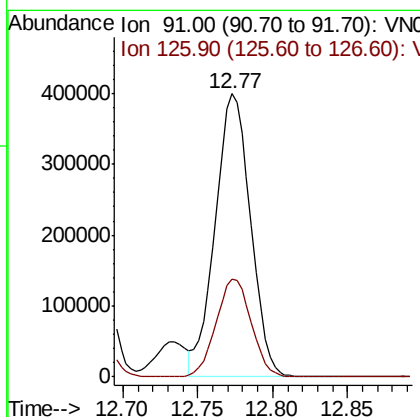
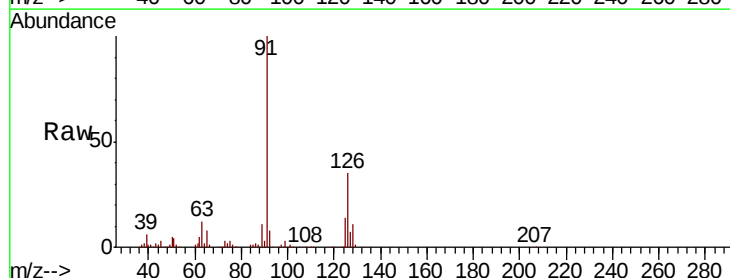
RT: 12.77 min Scan# 3421

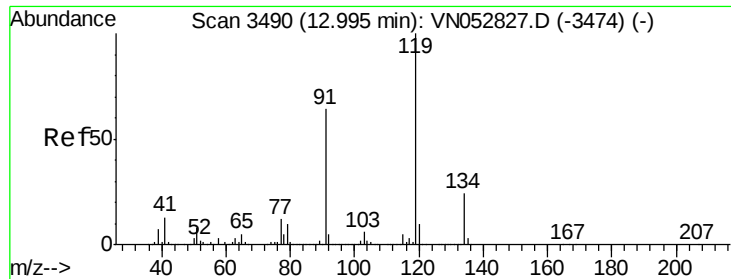
Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Tgt Ion:	91	Resp:	656320
Ion Ratio	Lower	Upper	
91	100		
126	34.4	17.3	51.7





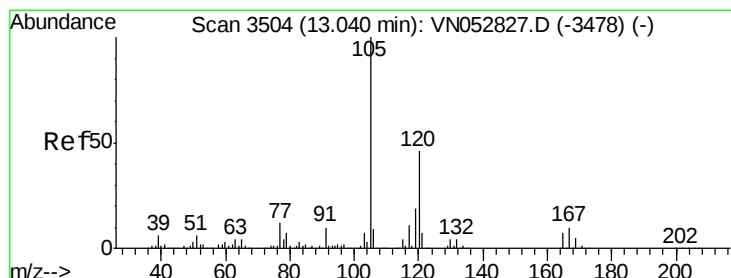
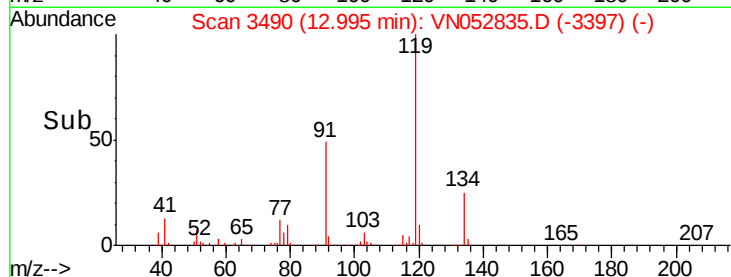
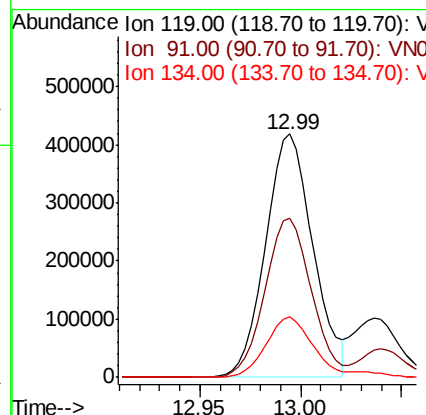
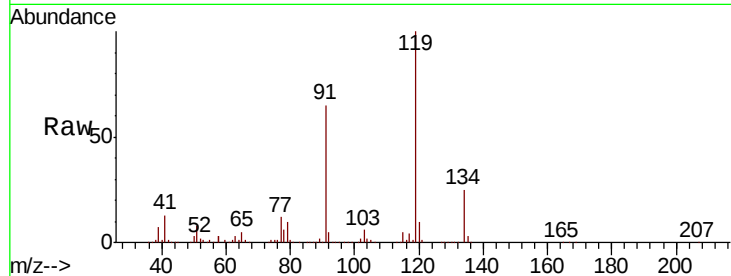
#83
tert-Butylbenzene
Concen: 20.253 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	685387		
91	64.3	31.9	95.5	
134	25.9	12.8	38.4	

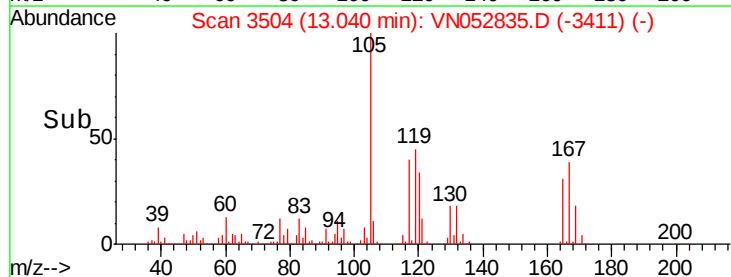
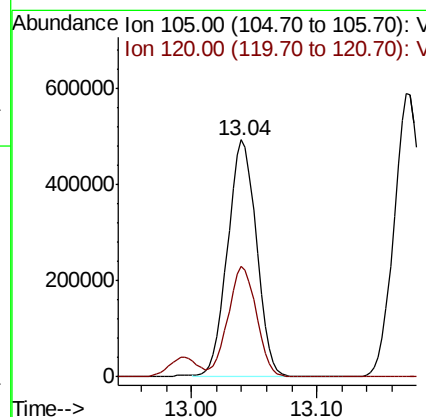
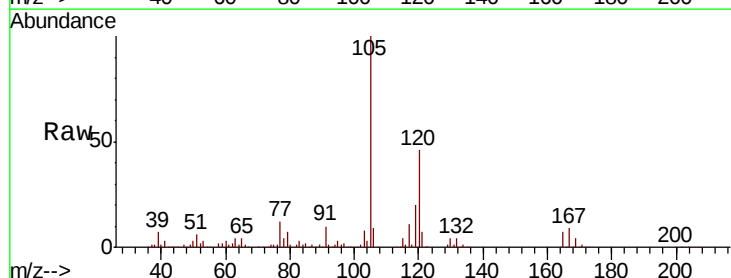
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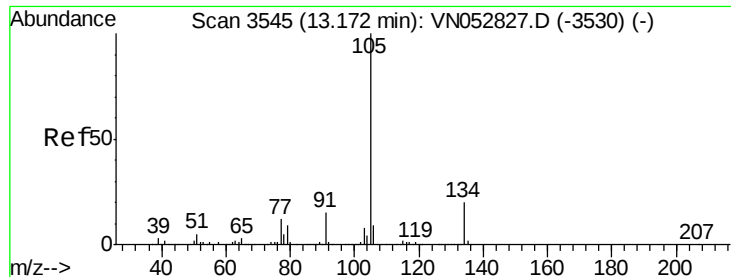
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.305 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	788607		
120	46.1	22.9	68.8	





#85

sec-Butylbenzene

Concen: 20.213 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD02

Tot Ion:105 Resp: 926351

Ion Ratio Lower Upper

105 100

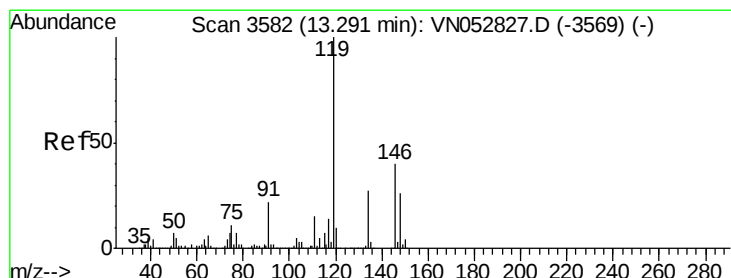
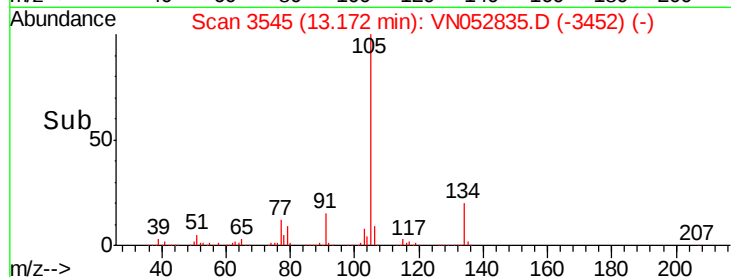
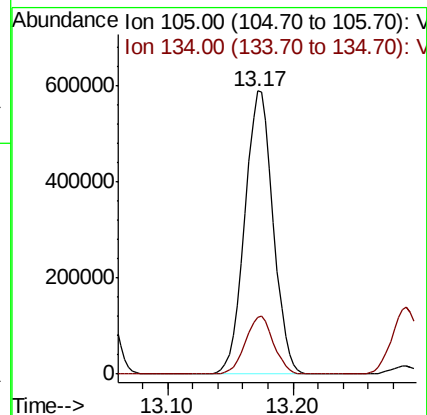
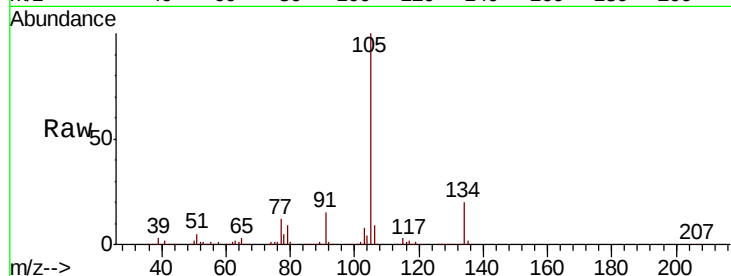
134 20.3 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.162 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052835.D

Acq: 12 Dec 2018 18:53

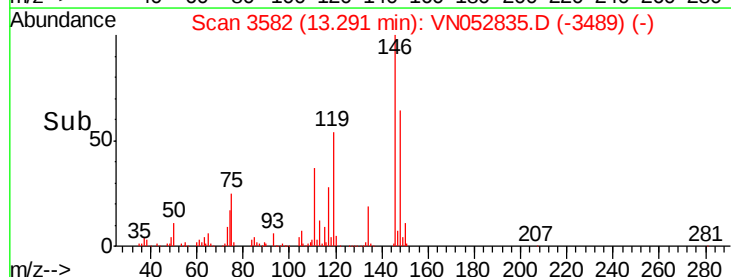
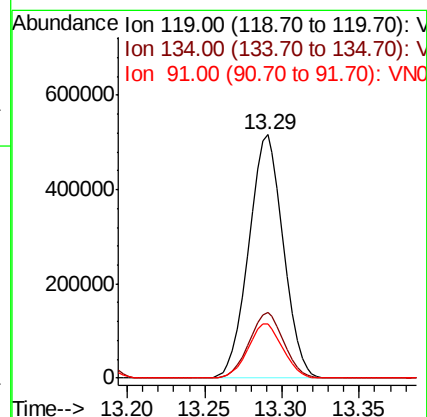
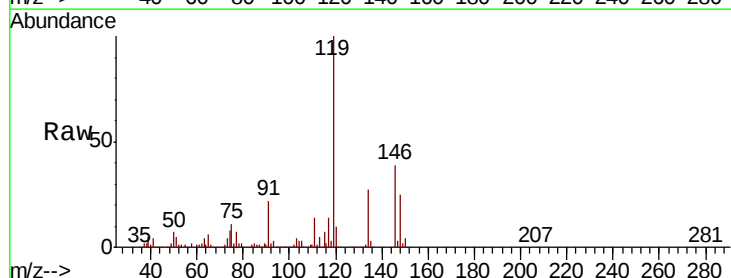
Tgt Ion:119 Resp: 800540

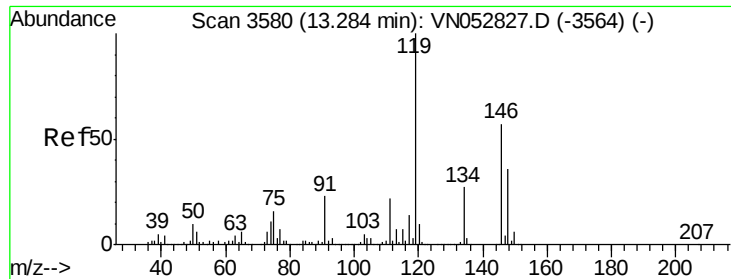
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.4 11.1 33.3





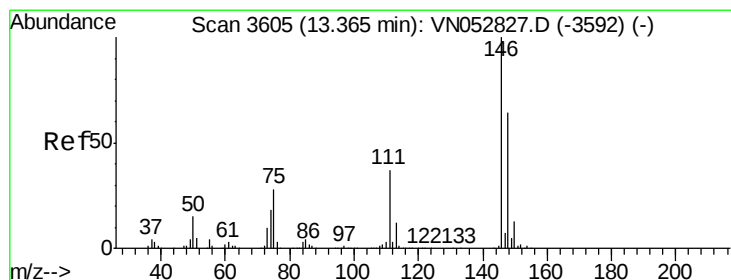
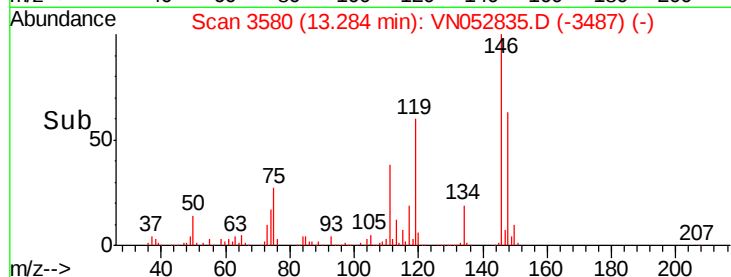
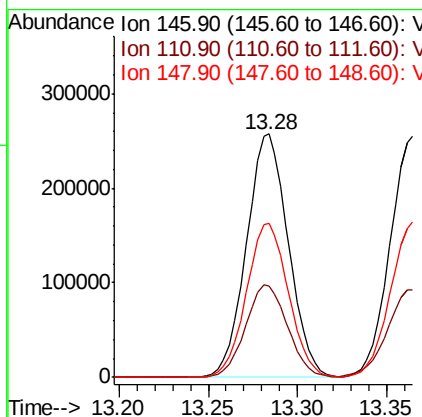
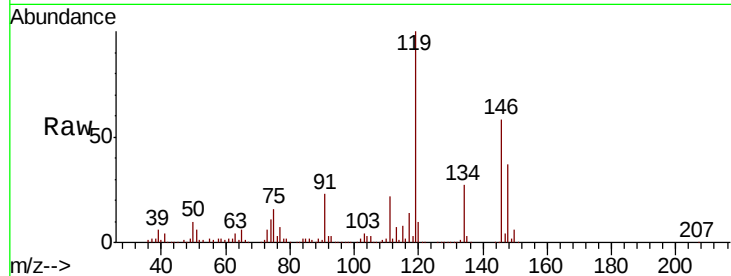
#87
 1,3-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.4	32.0	96.0

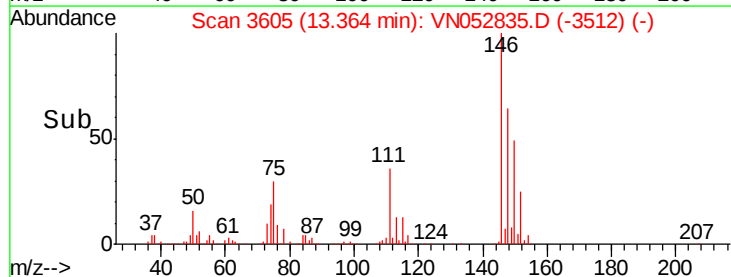
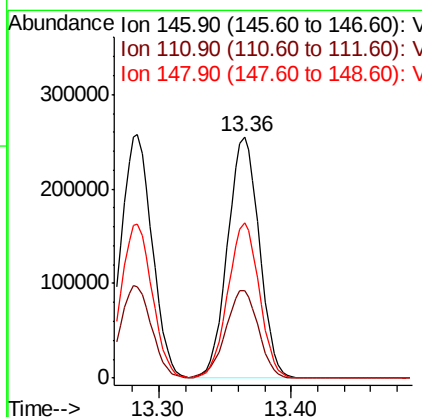
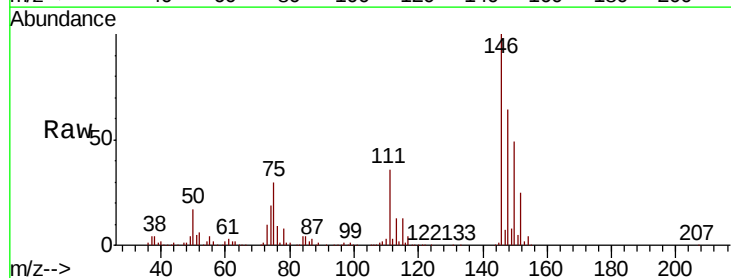
Manual Integrations
 APPROVED

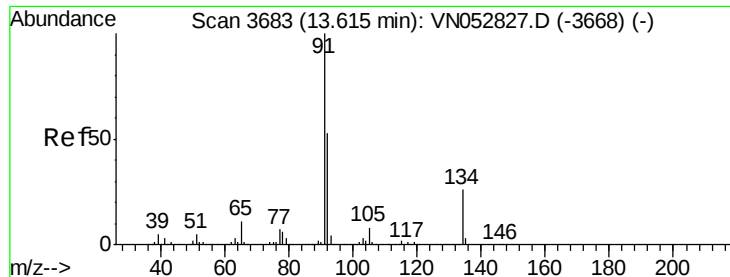
MMDadoda
 12/13/2018 1:36:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.826 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	63.9	32.1	96.5





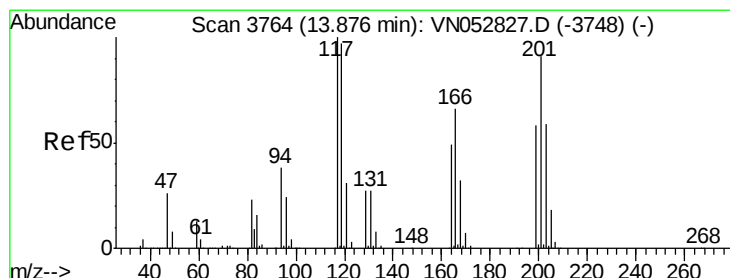
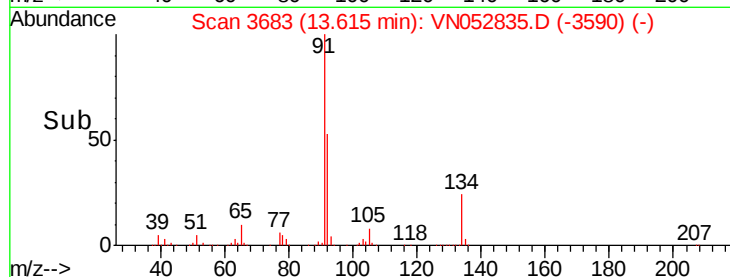
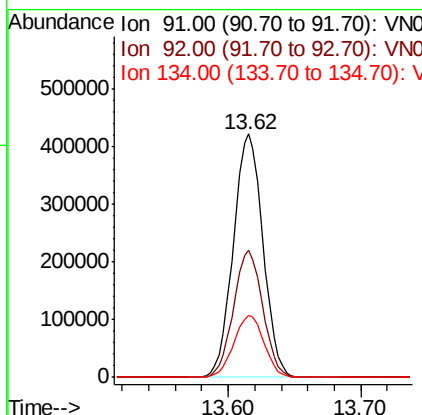
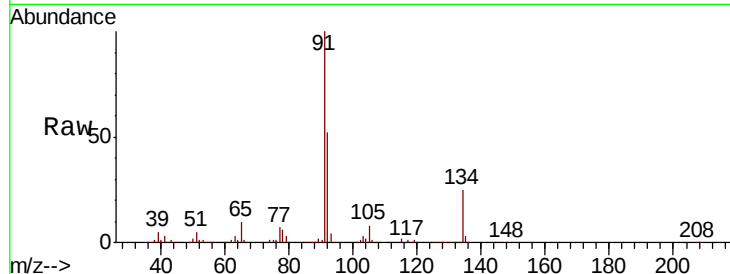
#89
n-Butylbenzene
Concen: 19.566 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.9
134	25.9	13.3	39.8

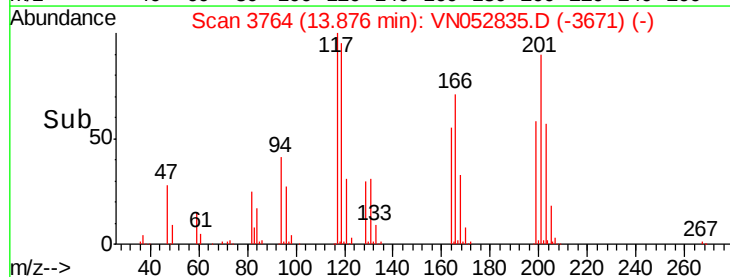
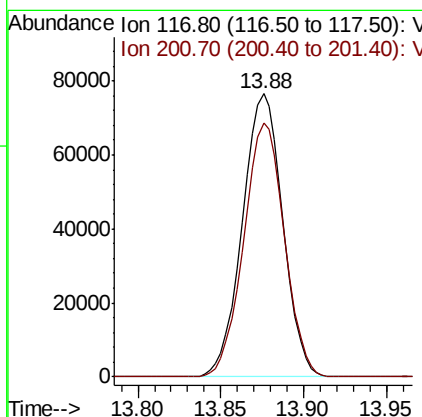
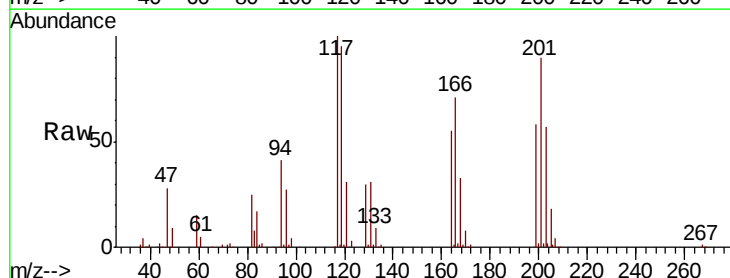
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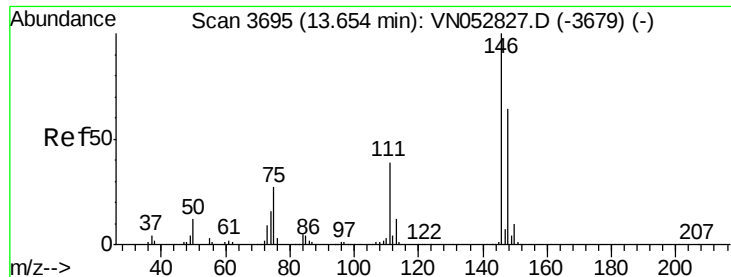
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#90
Hexachloroethane
Concen: 19.511 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	45.7	137.1





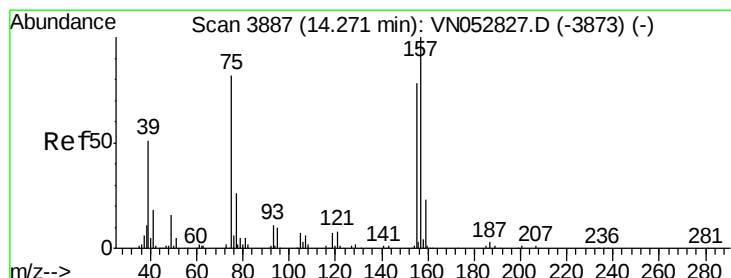
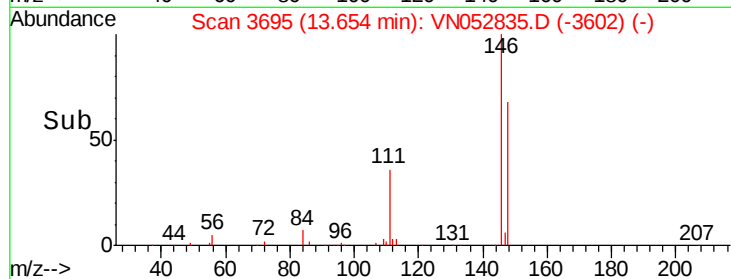
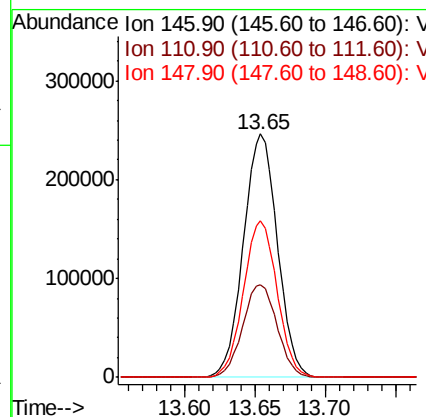
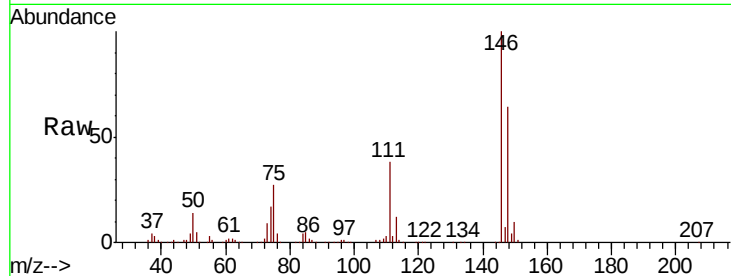
#91
 1,2-Dichlorobenzene
 Concen: 20.169 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	63.6	32.0	96.0

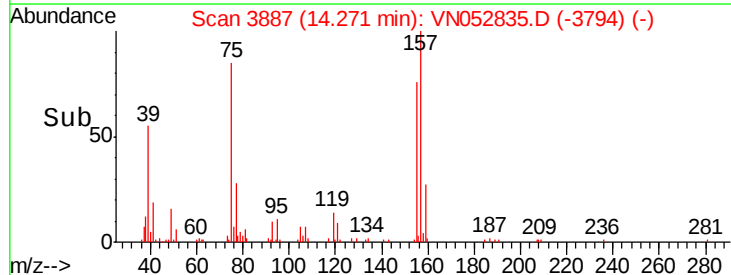
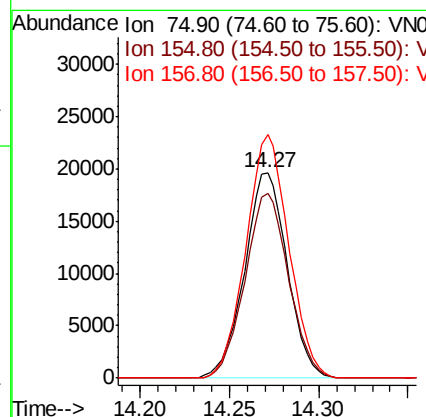
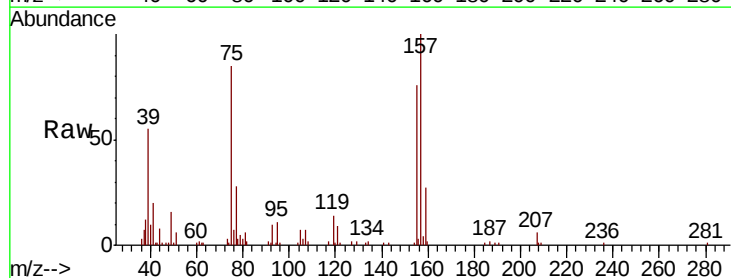
Manual Integrations
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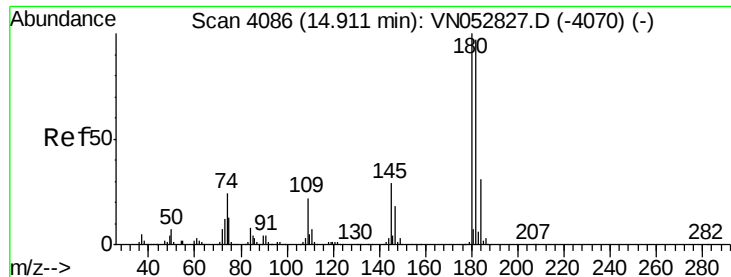
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.449 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	48.2	144.6
157	119.1	61.2	183.5





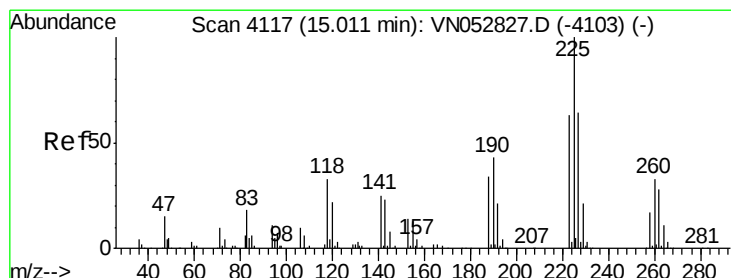
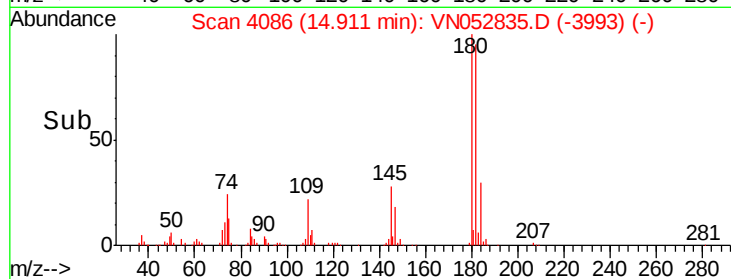
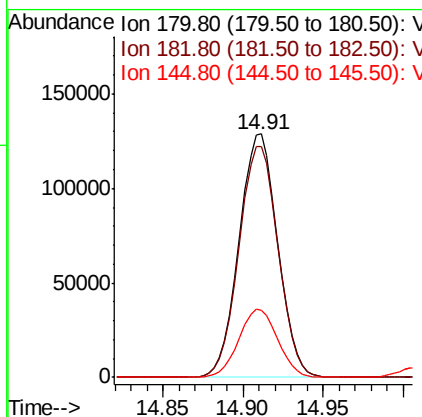
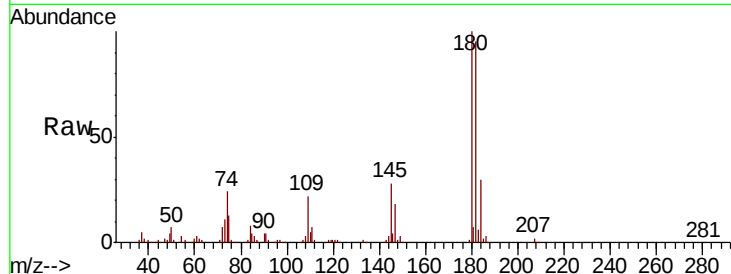
#93
 1,2,4-Trichlorobenzene
 Concen: 18.880 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Tot Ion:	180	Resp:	212059
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	28.2	14.2	42.6

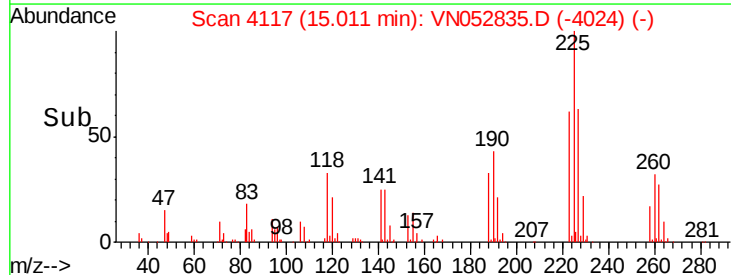
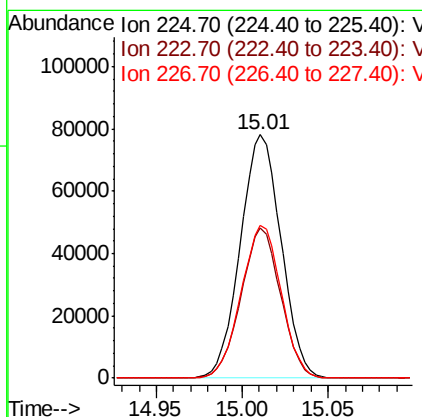
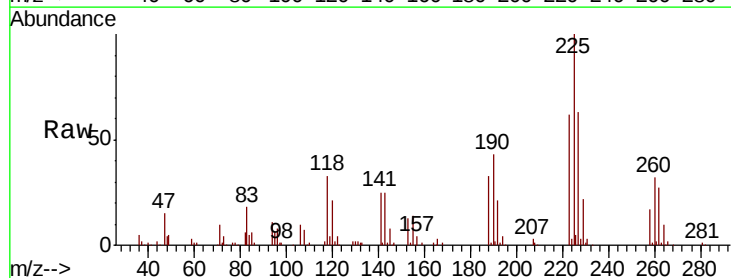
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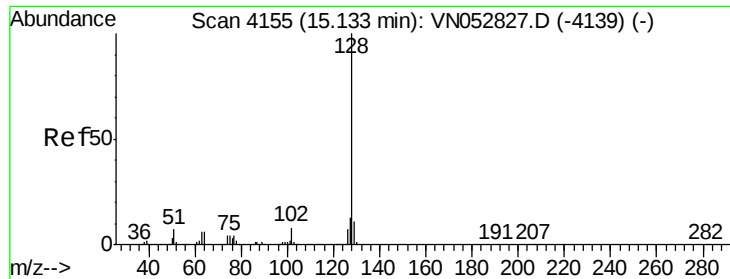
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#94
 Hexachlorobutadiene
 Concen: 19.822 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052835.D
 Acq: 12 Dec 2018 18:53

Tgt Ion:	225	Resp:	128864
Ion Ratio	Lower	Upper	
225	100		
223	60.0	31.5	94.5
227	61.8	31.9	95.7





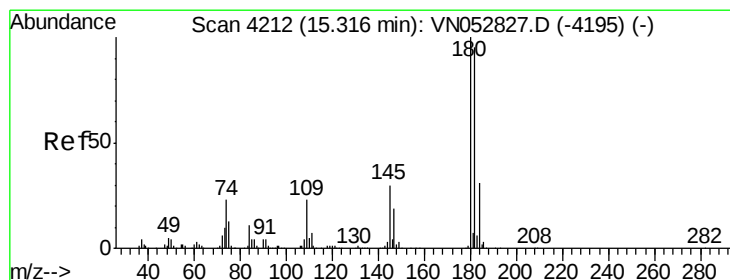
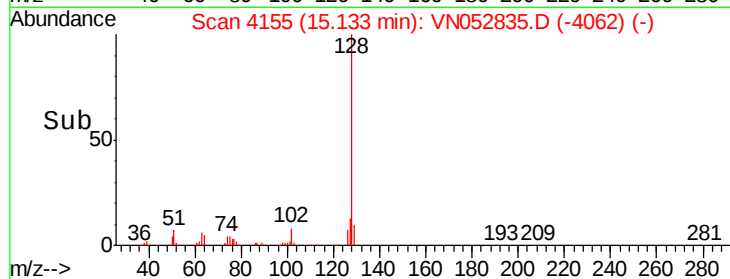
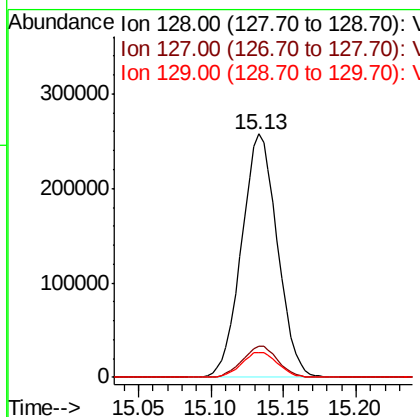
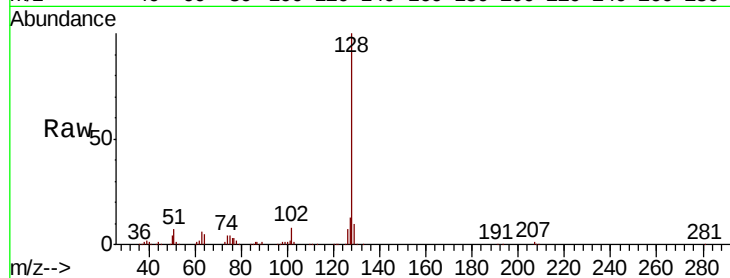
#95
Naphthalene
Concen: 19.009 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD02

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.301 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN052835.D
Acq: 12 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.7
145	30.2	15.0	45.0

