

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052698.D
 Acq On : 6 Dec 2018 14:33
 Operator : MD\SY
 Sample : VN1206WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:12:49 PM

Quant Time: Dec 07 07:06:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	897840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1415805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1246351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	558001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	522143	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.59	113	461705	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	10.09	98	1770539	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	593654	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	144400	17.177	ug/l	100
3) Chloromethane	2.06	50	194019	17.484	ug/l	100
4) Vinyl Chloride	2.19	62	206114	18.081	ug/l	100
5) Bromomethane	2.58	94	122331	17.199	ug/l	98
6) Chloroethane	2.71	64	127461	18.459	ug/l	96
7) Trichlorofluoromethane	3.02	101	271147	19.364	ug/l	98
8) Diethyl Ether	3.42	74	105128	20.331	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	167649	19.188	ug/l	98
10) Methyl Iodide	3.96	142	239208	20.556	ug/l	100
11) Tert butyl alcohol	4.78	59	53220	108.744	ug/l	98
12) 1,1-Dichloroethene	3.74	96	158137	18.803	ug/l	98
13) Acrolein	3.61	56	45639	53.656	ug/l	99
14) Allyl chloride	4.33	41	257487	17.763	ug/l	93
15) Acrylonitrile	4.99	53	320513	103.458	ug/l	98
16) Acetone	3.82	43	227683	88.301	ug/l	99
17) Carbon Disulfide	4.06	76	421958	15.943	ug/l	99
18) Methyl Acetate	4.33	43	169134	22.868	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	463533	20.715	ug/l	100
20) Methylene Chloride	4.55	84	193827	19.209	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	172655	19.221	ug/l	96
22) Diisopropyl ether	5.95	45	607294	19.945	ug/l	98
23) Vinyl Acetate	5.90	43	1796768	94.743	ug/l	99
24) 1,1-Dichloroethane	5.85	63	349655	20.113	ug/l	99
25) 2-Butanone	6.84	43	359162	98.273	ug/l	97
26) 2,2-Dichloropropane	6.83	77	223561	18.579	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	205460	19.636	ug/l	99
28) Bromochloromethane	7.20	49	164952	20.774	ug/l	94
29) Tetrahydrofuran	7.21	42	240116	101.862	ug/l	98
30) Chloroform	7.37	83	341751	19.703	ug/l	96
31) Cyclohexane	7.66	56	308691	18.112	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	274224	19.955	ug/l	100
36) 1,1-Dichloropropene	7.79	75	249556	18.666	ug/l	99
37) Ethyl Acetate	6.93	43	164353	20.143	ug/l	98
38) Carbon Tetrachloride	7.78	117	234502	19.375	ug/l	99

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Quant Time: Dec 07 07:06:56 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287115	17.668	ug/l	100
40) Benzene	8.04	78	779936	19.574	ug/l	100
41) Methacrylonitrile	7.18	41	75497	16.924	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	241780	20.041	ug/l	99
43) Isopropyl Acetate	8.16	43	282344	20.447	ug/l #	88
44) Trichloroethene	8.84	130	206938	20.276	ug/l	98
45) 1,2-Dichloropropane	9.12	63	208160	19.650	ug/l	98
46) Dibromomethane	9.21	93	118204	20.157	ug/l	98
47) Bromodichloromethane	9.40	83	252880	19.834	ug/l	98
48) Methyl methacrylate	9.20	41	144878	20.122	ug/l	99
49) 1,4-Dioxane	9.20	88	33324	445.958	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	814585	105.142	ug/l	100
52) Toluene	10.16	92	473457	20.000	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	239492	19.525	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	289655	19.706	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	174546	20.961	ug/l	99
56) Ethyl methacrylate	10.43	69	216677	20.422	ug/l	98
57) 1,3-Dichloropropane	10.71	76	300017	20.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	615930	101.934	ug/l	99
59) 2-Hexanone	10.75	43	526479	101.251	ug/l	99
60) Dibromochloromethane	10.90	129	187227	20.701	ug/l	99
61) 1,2-Dibromoethane	11.01	107	169187	20.456	ug/l	100
64) Tetrachloroethene	10.63	164	221228	22.894	ug/l	99
65) Chlorobenzene	11.43	112	519269	20.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	182433	20.416	ug/l	98
67) Ethyl Benzene	11.51	91	881882	19.595	ug/l	99
68) m/p-Xylenes	11.62	106	664262	39.648	ug/l	100
69) o-Xylene	11.95	106	326651	20.077	ug/l	100
70) Styrene	11.96	104	525839	20.292	ug/l	100
71) Bromoform	12.13	173	123061	20.799	ug/l #	99
73) Isopropylbenzene	12.25	105	872909	19.939	ug/l	100
74) N-amyl acetate	12.07	43	217244	19.642	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	197156	19.797	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	171949m	19.983	ug/l	
77) Bromobenzene	12.53	156	219102	20.248	ug/l	98
78) n-propylbenzene	12.59	91	976195	19.628	ug/l	99
79) 2-Chlorotoluene	12.67	91	585798	19.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	705518	20.207	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50478	19.591	ug/l	96
82) 4-Chlorotoluene	12.77	91	581265	19.473	ug/l	99
83) tert-Butylbenzene	12.99	119	621876	19.979	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	713450	20.390	ug/l	99
85) sec-Butylbenzene	13.17	105	843455	19.895	ug/l	100
86) p-Isopropyltoluene	13.29	119	709785	19.656	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	373426	19.729	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	365184	19.587	ug/l	99
89) n-Butylbenzene	13.62	91	570283	18.990	ug/l	99
90) Hexachloroethane	13.88	117	120044	19.634	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	369575	20.437	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29433	20.665	ug/l	97

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	168505	18.877	ug/l	100
94) Hexachlorobutadiene	15.01	225	113606	19.528	ug/l	100
95) Naphthalene	15.13	128	346326	18.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	164044	19.755	ug/l	100

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

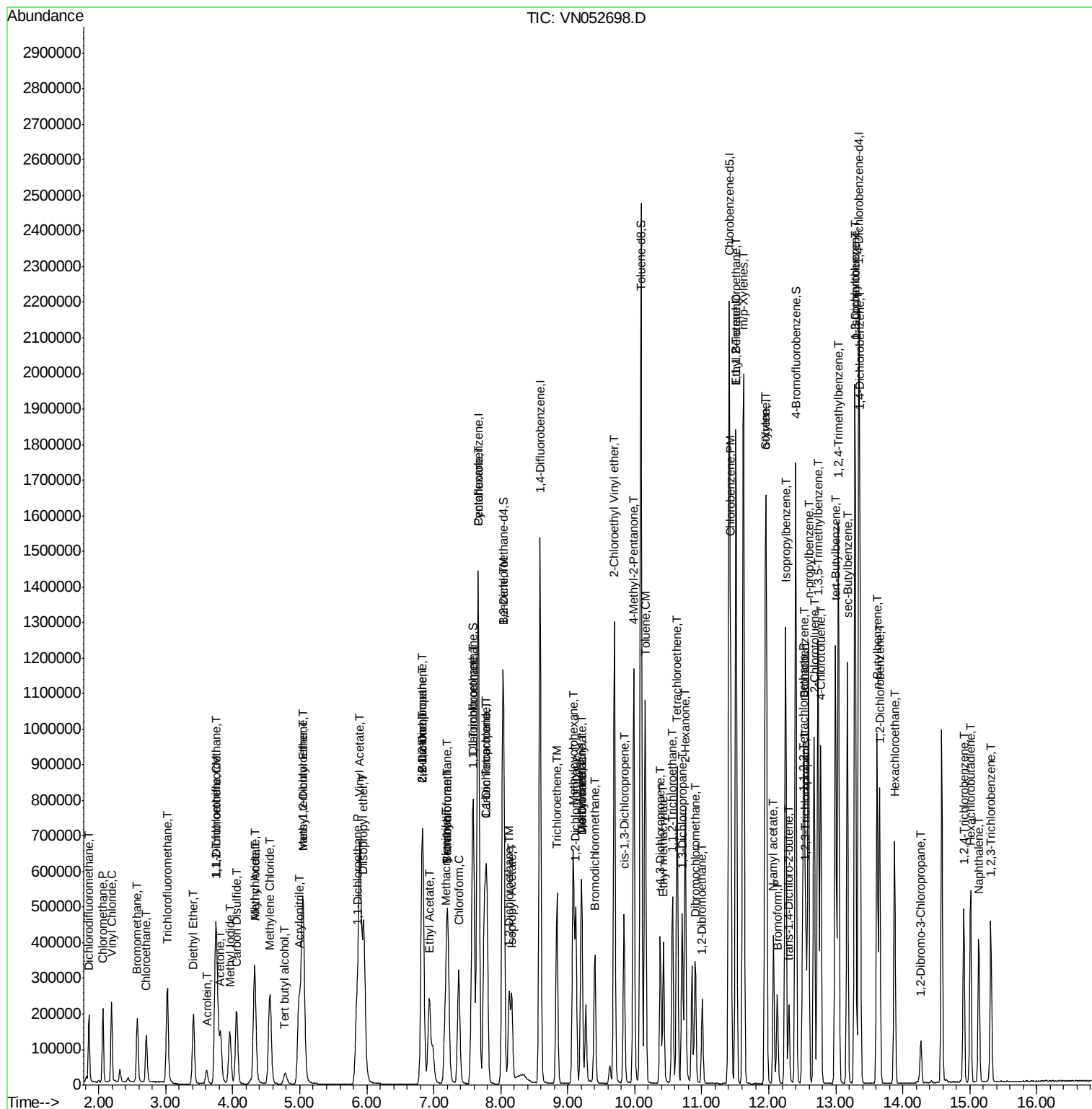
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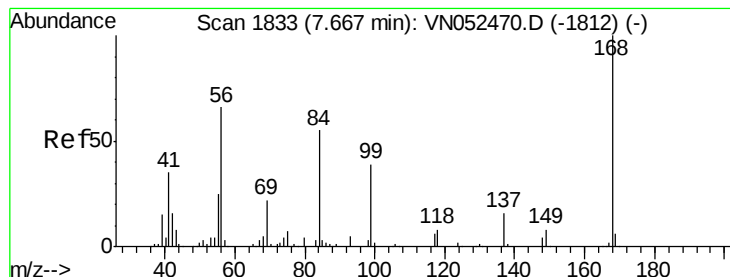
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1206WBSD01

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
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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: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion:168 Resp: 897840

Ion Ratio Lower Upper

168 100

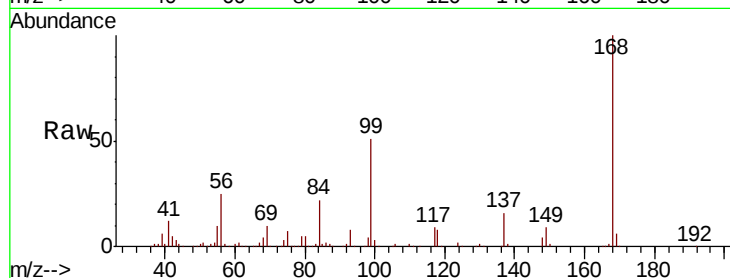
99 51.3 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

400000

300000

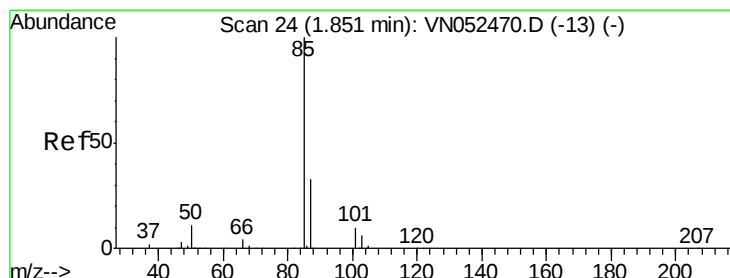
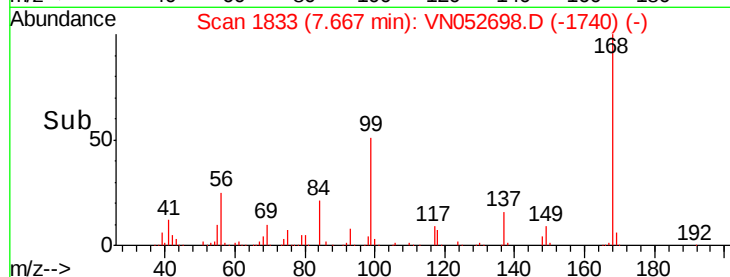
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.177 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052698.D

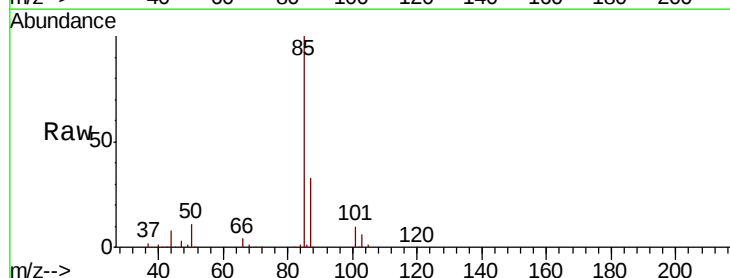
Acq: 6 Dec 2018 14:33

Tgt Ion: 85 Resp: 144400

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

120000

100000

80000

60000

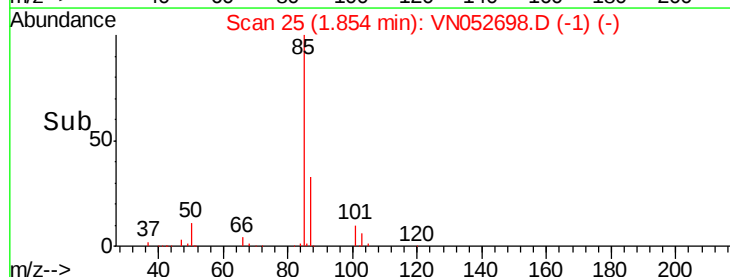
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.484 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 50 Resp: 194019

Ion Ratio Lower Upper

50 100

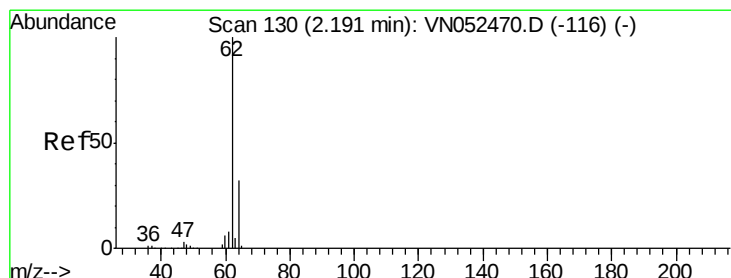
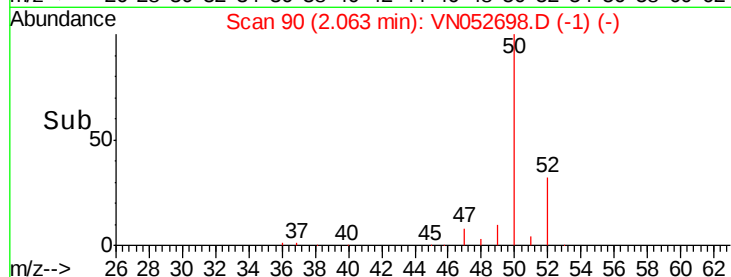
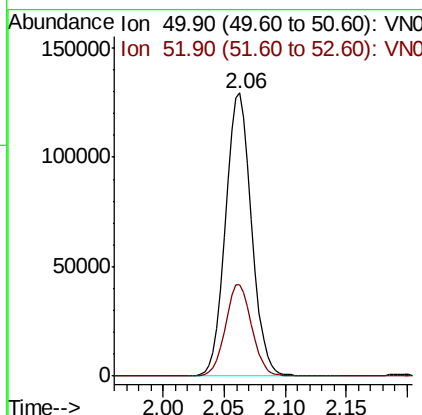
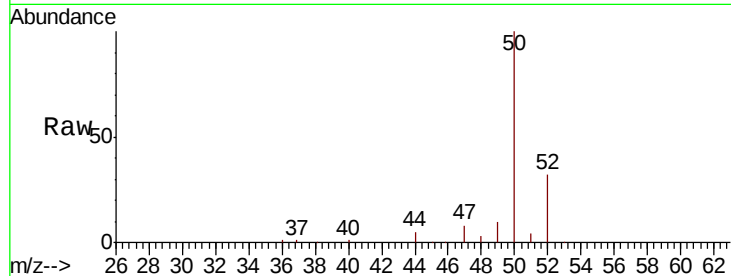
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.081 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052698.D

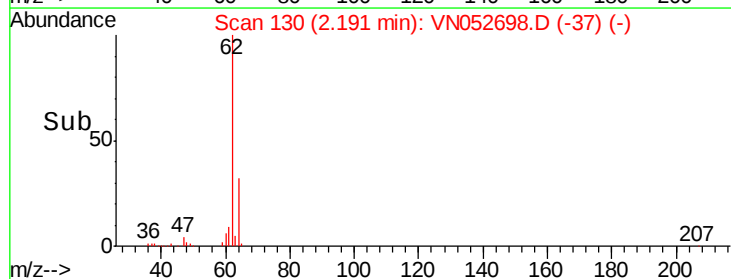
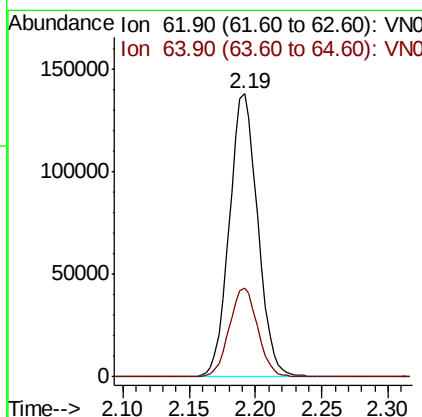
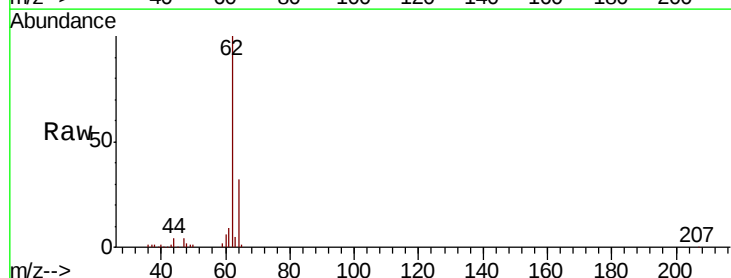
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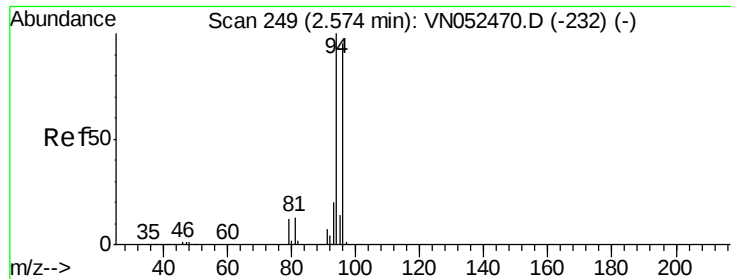
Tgt Ion: 62 Resp: 206114

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 17.199 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

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ClientSampleId :

VN1206WBSD01

Tot Ion: 94 Resp: 122331

Ion Ratio Lower Upper

94 100

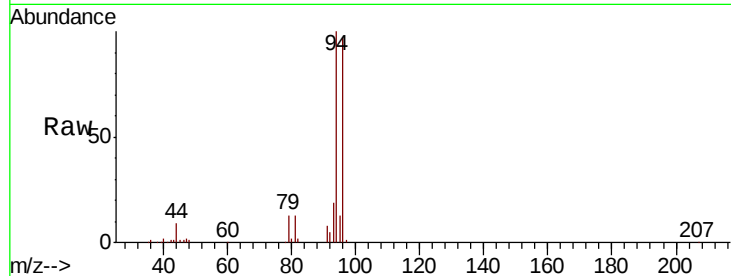
96 97.2 75.8 113.8

Manual Integrations

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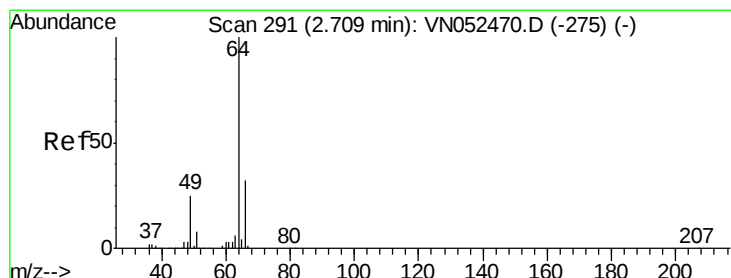
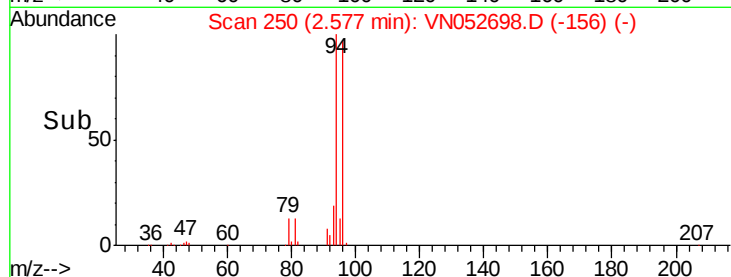
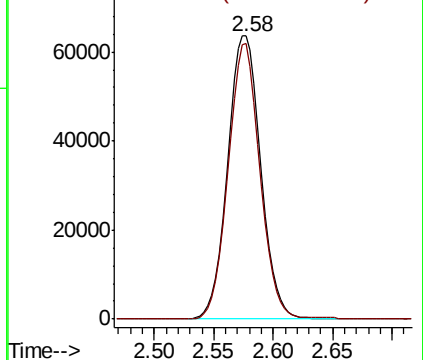
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.459 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052698.D

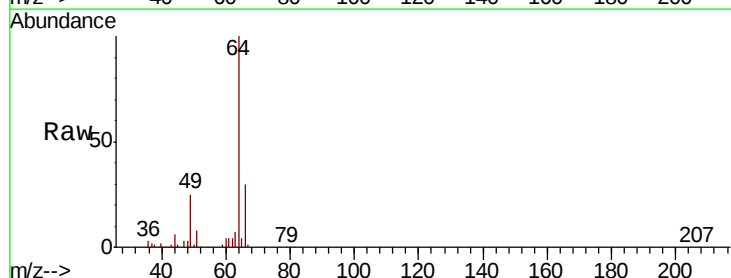
Acq: 6 Dec 2018 14:33

Tgt Ion: 64 Resp: 127461

Ion Ratio Lower Upper

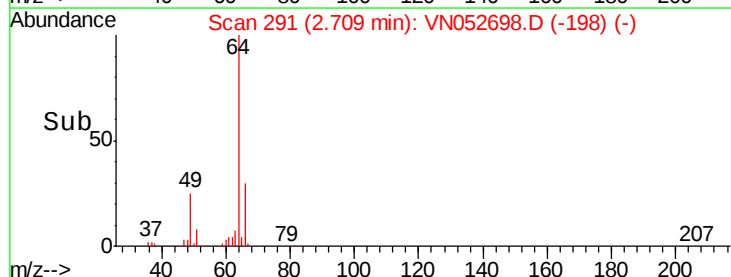
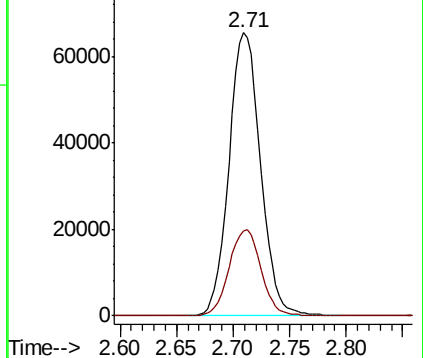
64 100

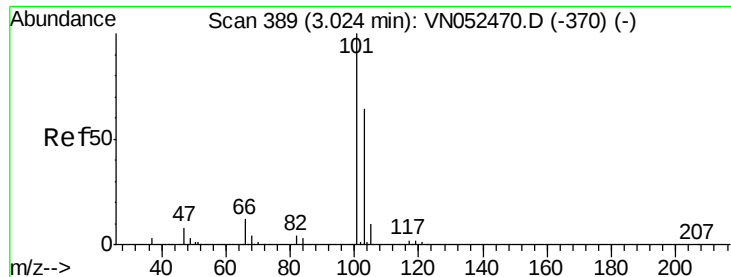
66 30.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

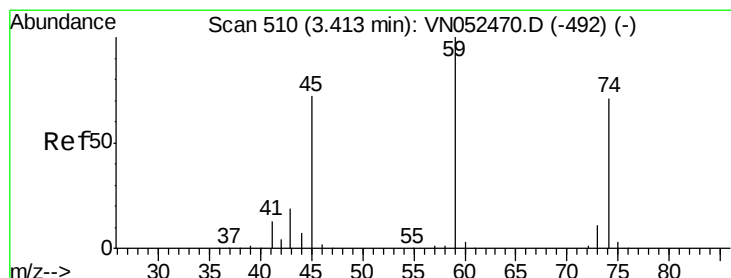
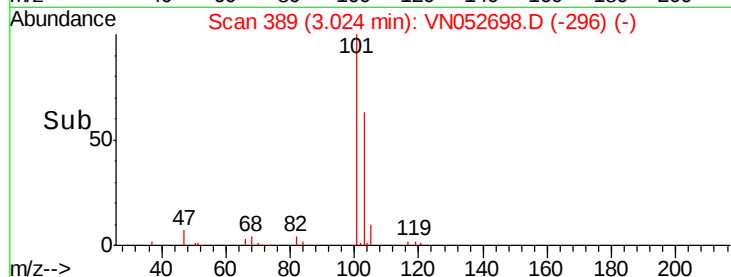
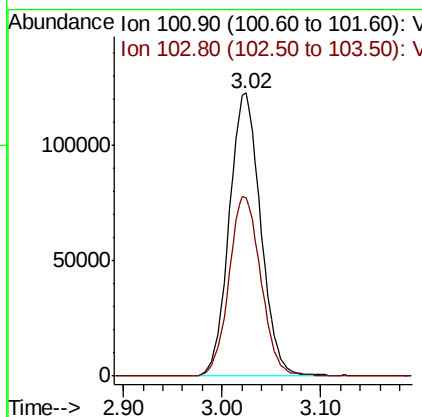
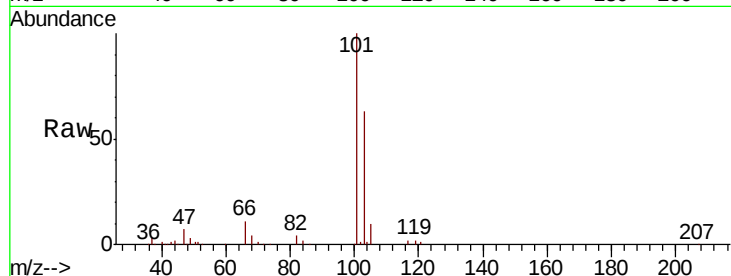
Trichlorofluoromethane
 Concen: 19.364 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
271147	101	100			
	103	62.8	51.4	77.2	

Manual Integrations
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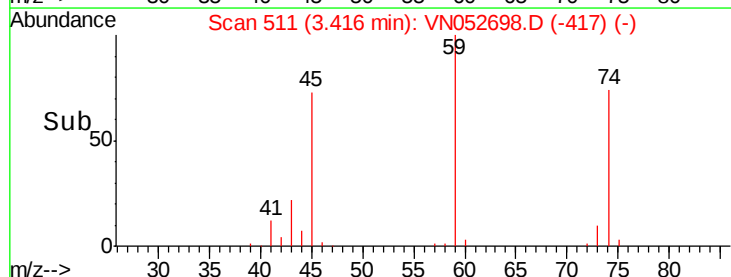
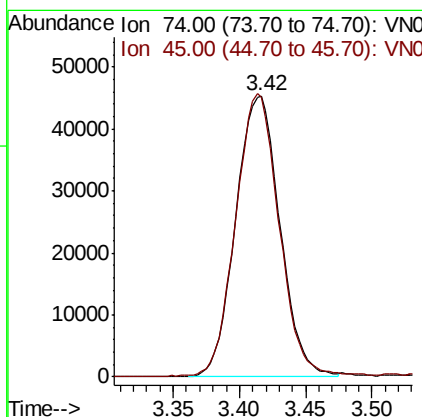
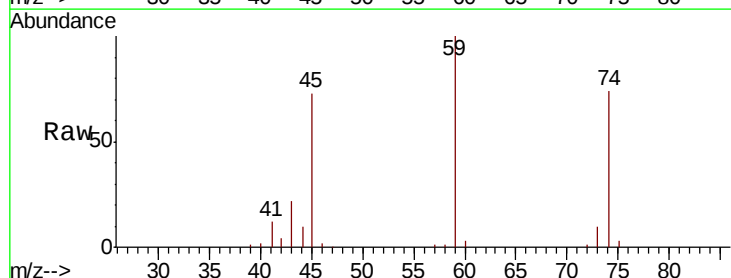
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#8

Diethyl Ether
 Concen: 20.331 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105128	74	100			
	45	100.0	50.4	151.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.188 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

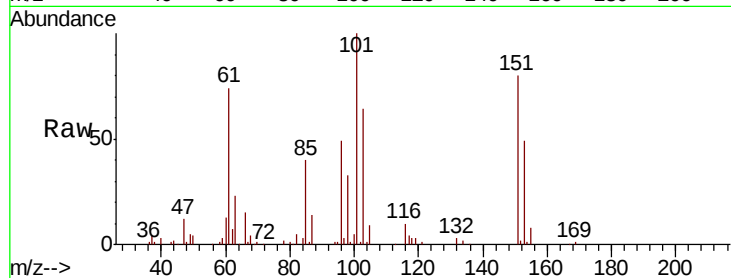
ClientSampleId :

VN1206WBSD01

Tot Ion:	101	Resp:	167649
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.2	51.4
151	82.6	64.6	96.8

Manual Integrations
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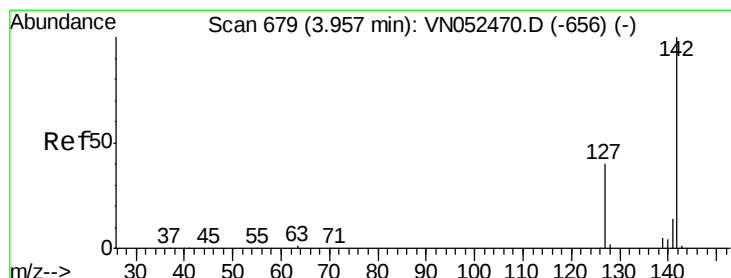
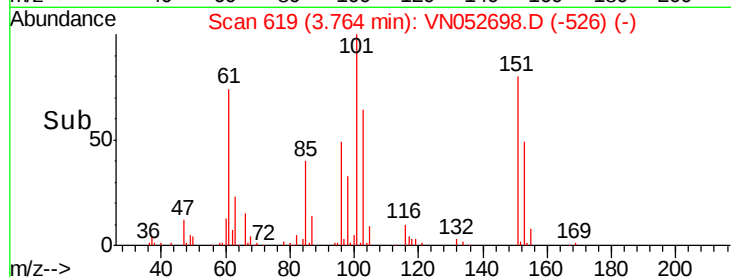
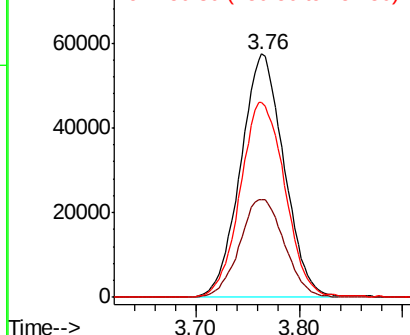


Abundance

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: 20.556 ug/l

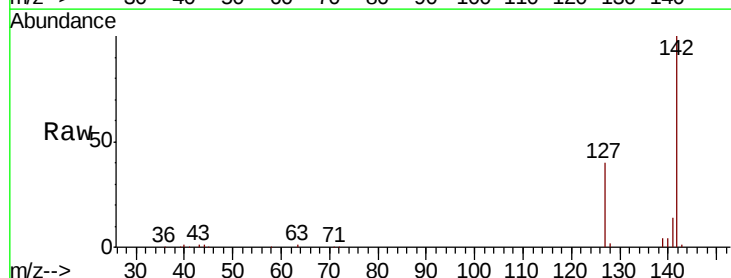
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Tgt Ion:	142	Resp:	239208
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.8	47.6
141	14.5	11.4	17.0

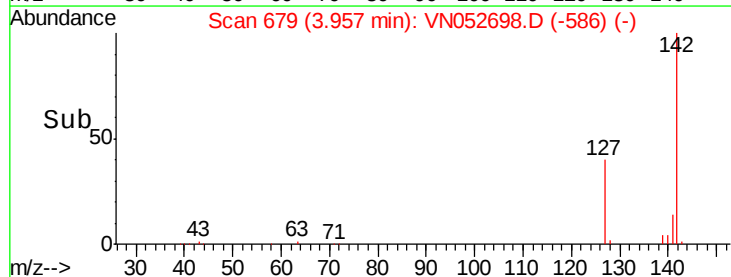
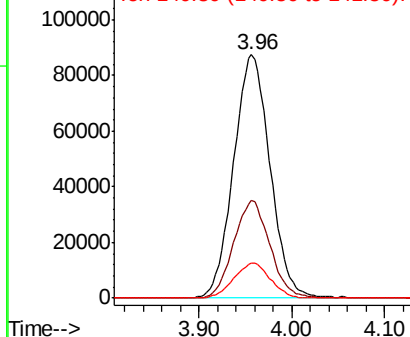


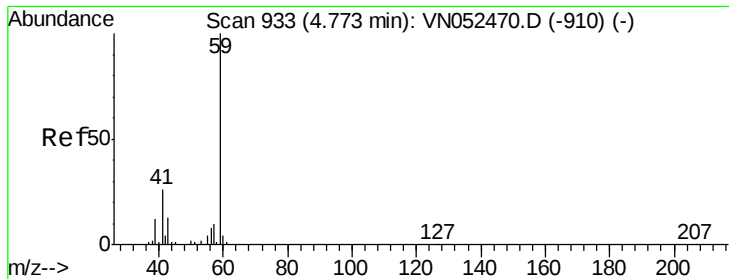
Abundance

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

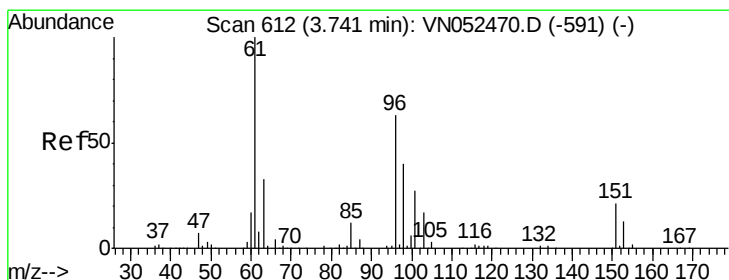
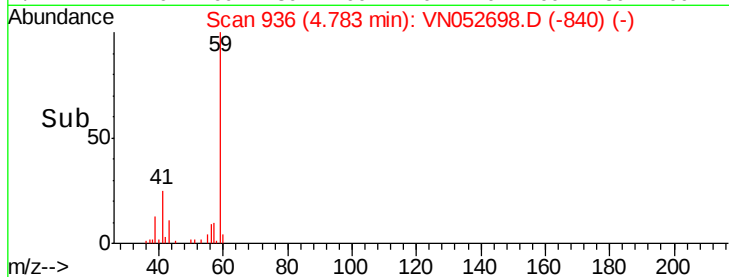
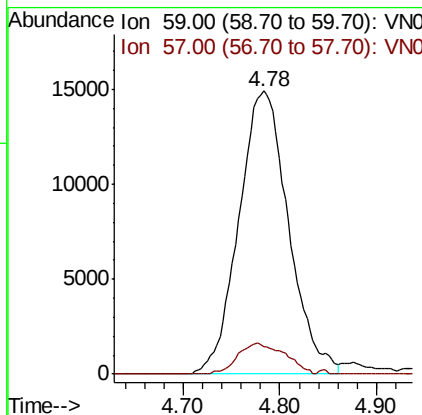
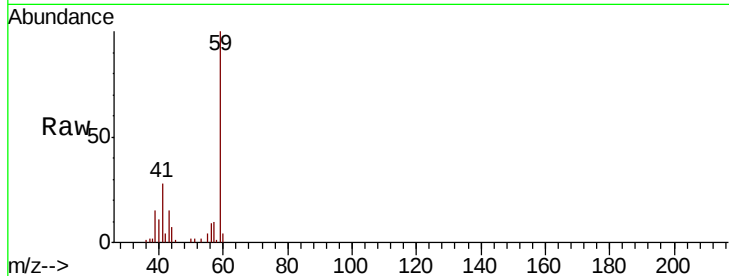
Tert butyl alcohol
Concen: 108.744 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	59	Resp	53220
Ion Ratio	100	Lower	Upper
57	10.5	7.9	11.9

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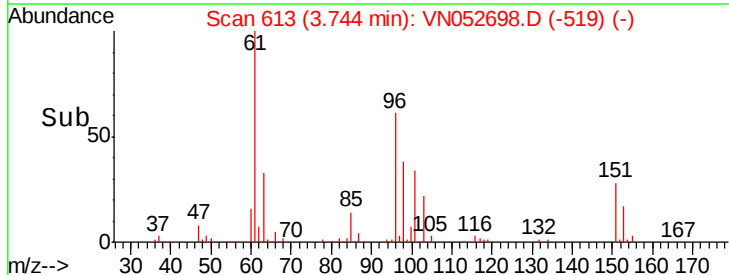
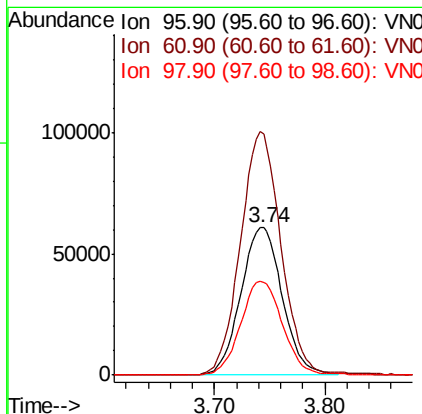
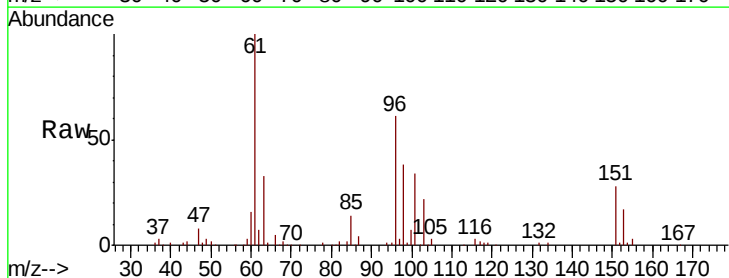
MMDadoda
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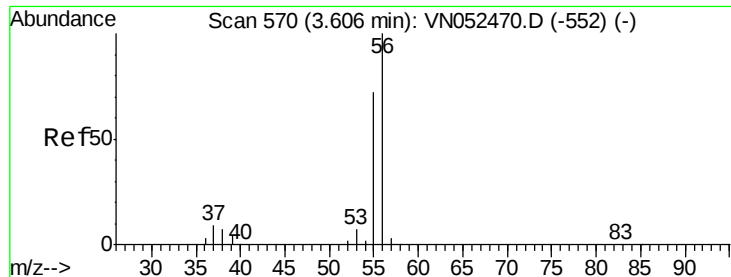


#12

1,1-Dichloroethene
Concen: 18.803 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	96	Resp	158137
Ion Ratio	100	Lower	Upper
61	163.2	127.0	190.6
98	62.7	50.3	75.5





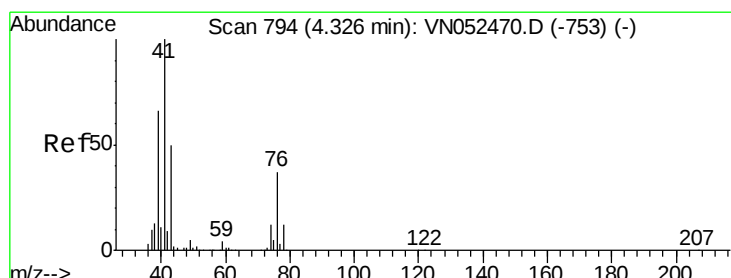
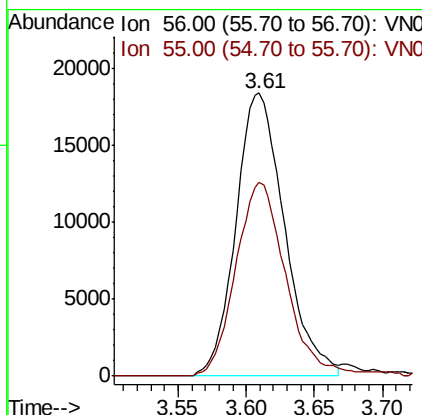
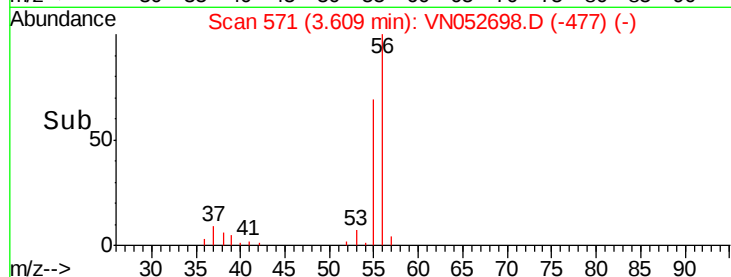
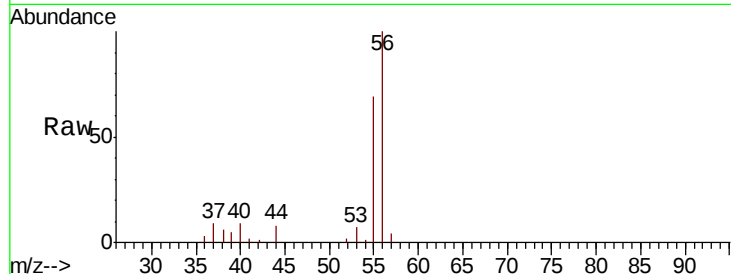
#13
Acrolein
Concen: 53.656 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion: 56 Resp: 45639
Ion Ratio Lower Upper
56 100
55 70.2 56.8 85.2

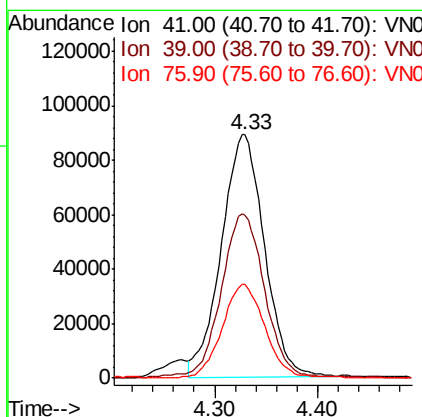
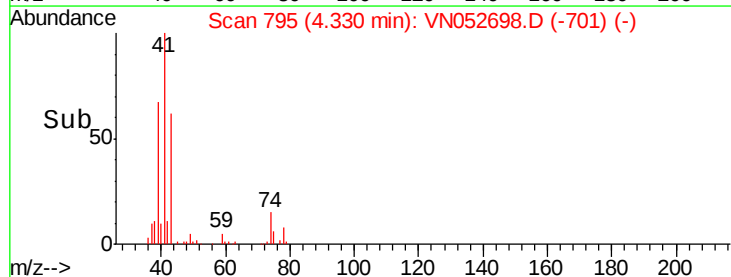
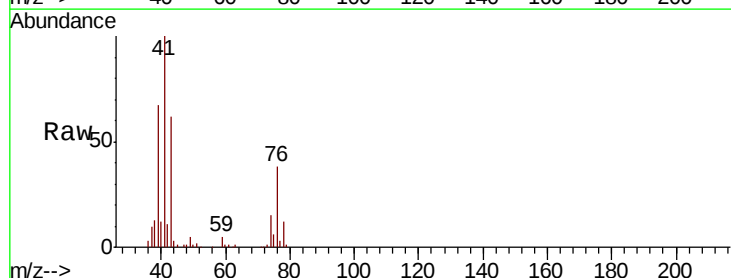
Manual Integrations
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#14
Allyl chloride
Concen: 17.763 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion: 41 Resp: 257487
Ion Ratio Lower Upper
41 100
39 69.1 50.6 76.0
76 37.8 27.4 41.2





#15

Acrylonitrile

Concen: 103.458 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

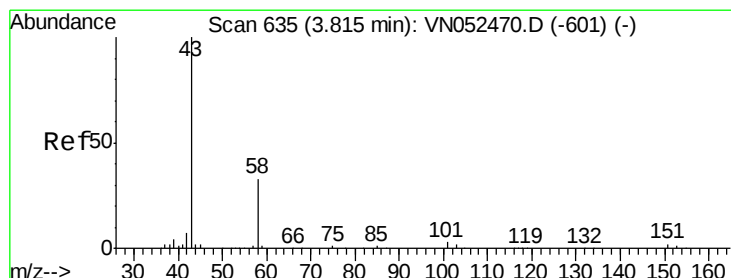
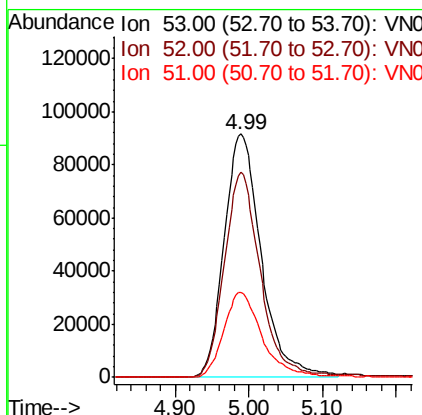
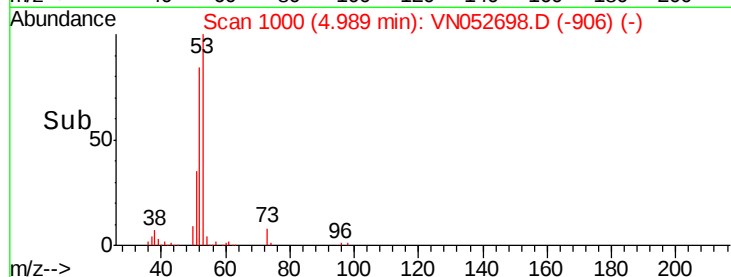
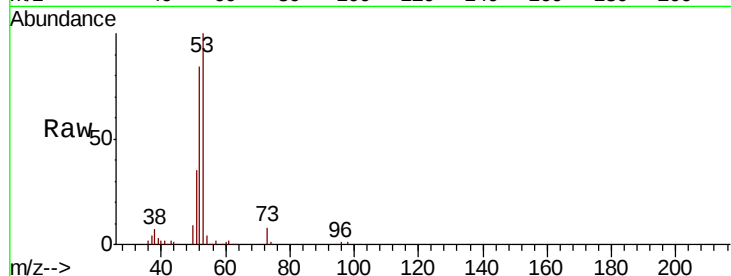
ClientSampleId :

VN1206WBSD01

Tot Ion:	53	Resp:	320513
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.0	28.1	42.1

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#16

Acetone

Concen: 88.301 ug/l

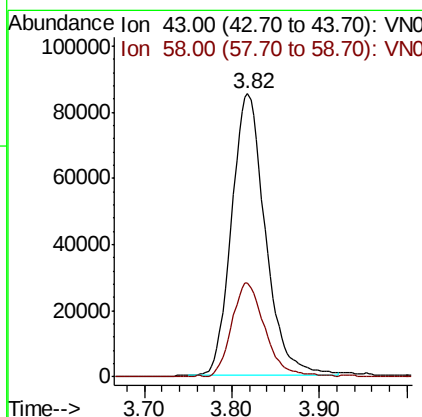
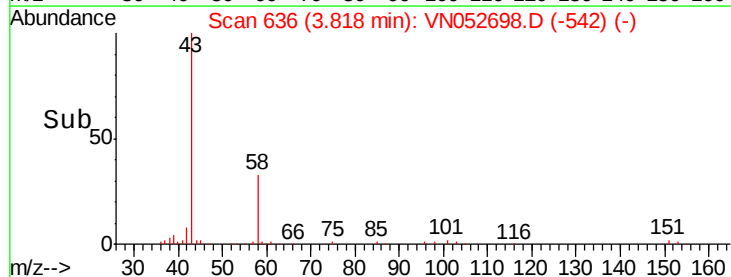
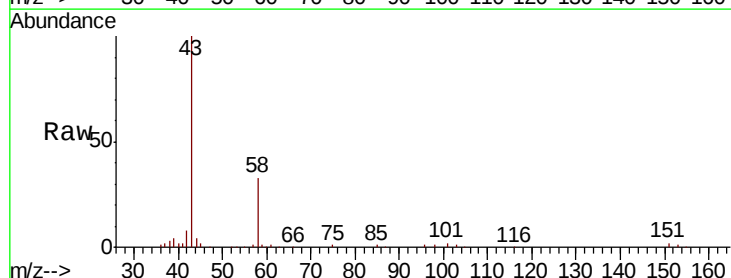
RT: 3.82 min Scan# 636

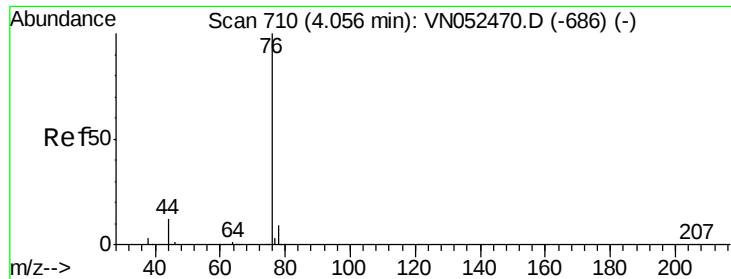
Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Tgt Ion:	43	Resp:	227683
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.0	39.0





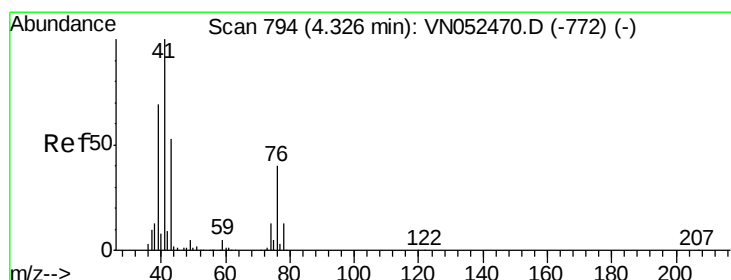
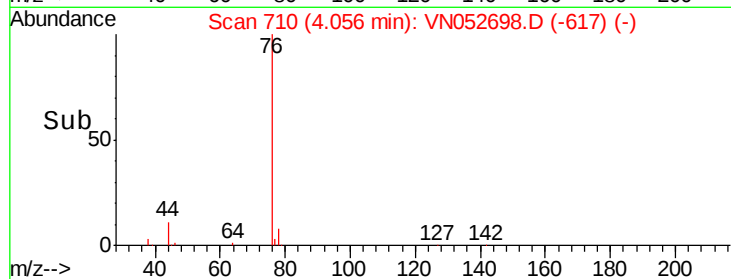
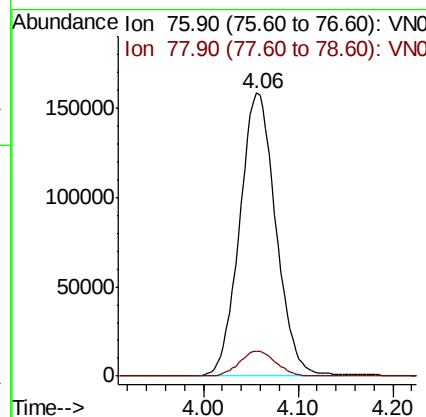
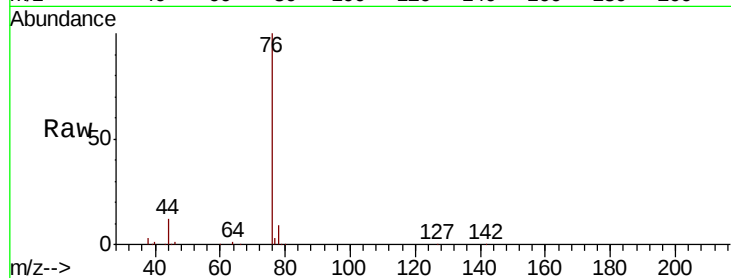
#17
Carbon Disulfide
Concen: 15.943 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

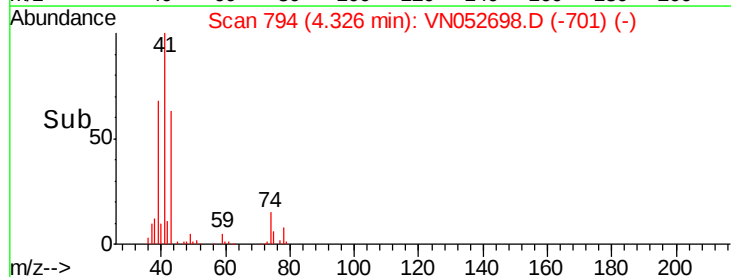
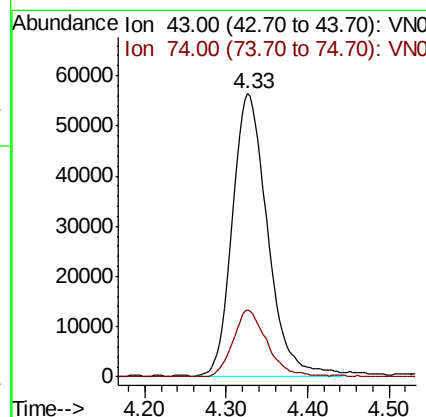
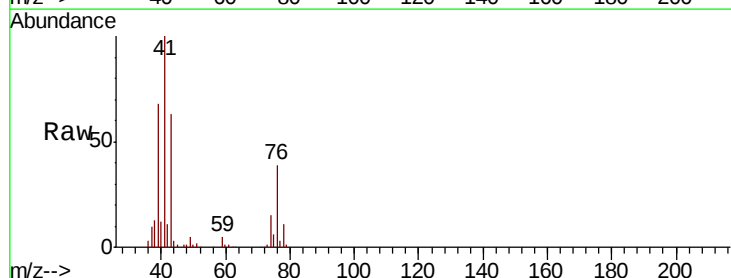
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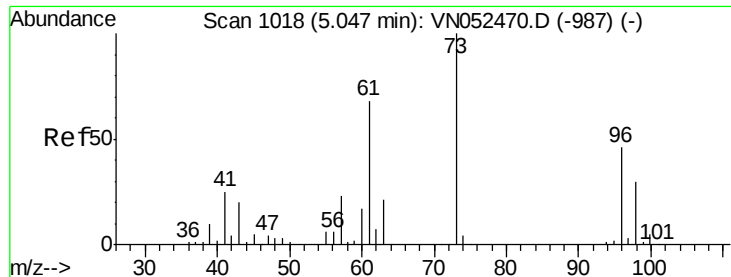
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#18
Methyl Acetate
Concen: 22.868 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.6	27.8





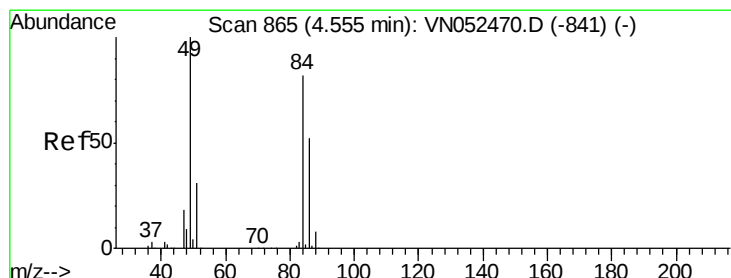
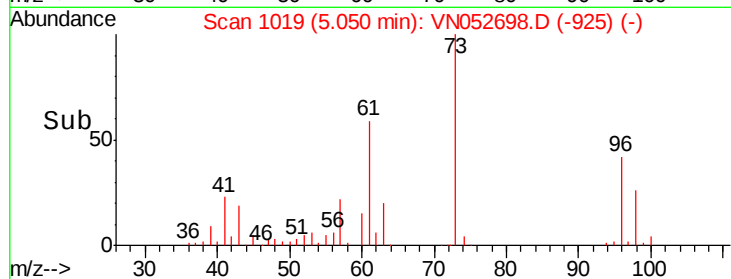
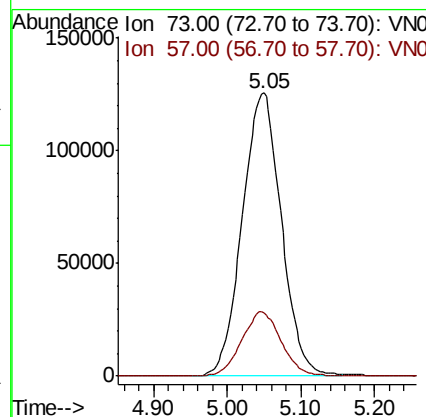
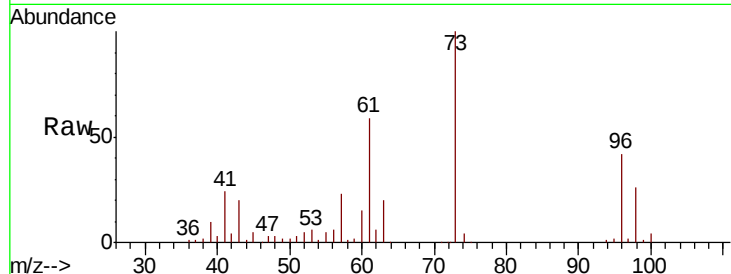
#19
Methyl tert-butyl Ether
Concen: 20.715 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion: 73 Resp: 463533
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

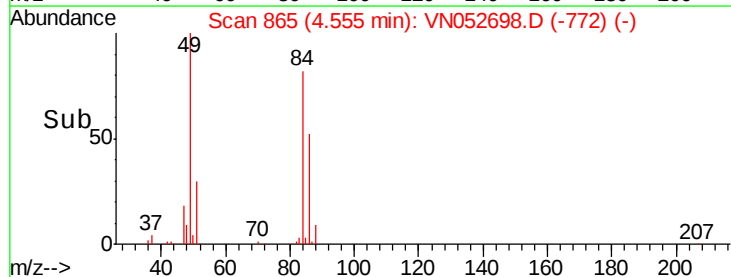
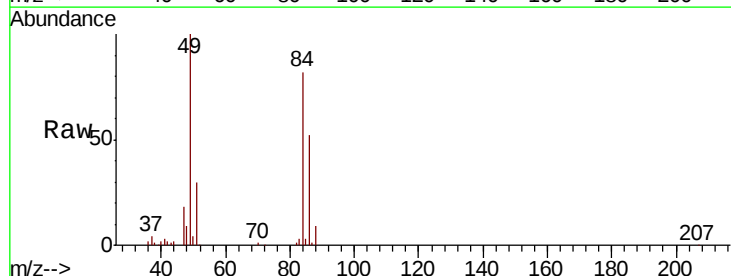
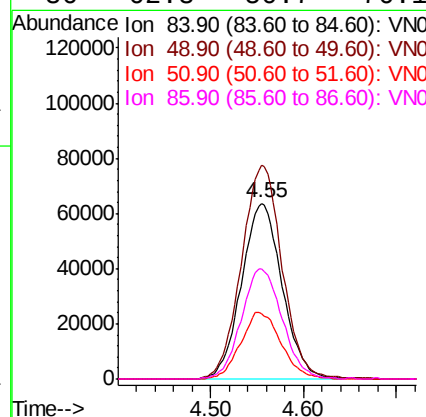
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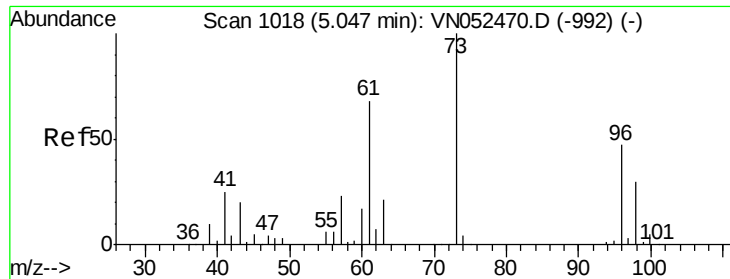
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#20
Methylene Chloride
Concen: 19.209 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion: 84 Resp: 193827
Ion Ratio Lower Upper
84 100
49 121.6 98.0 147.0
51 36.9 30.1 45.1
86 62.8 50.7 76.1





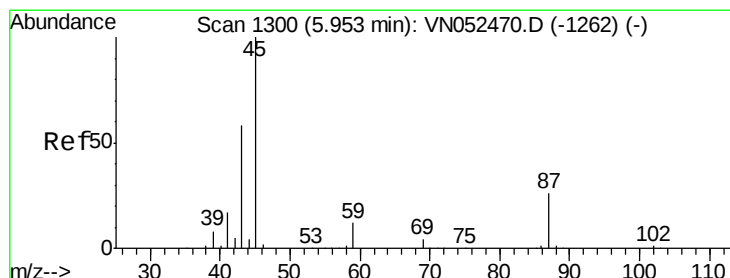
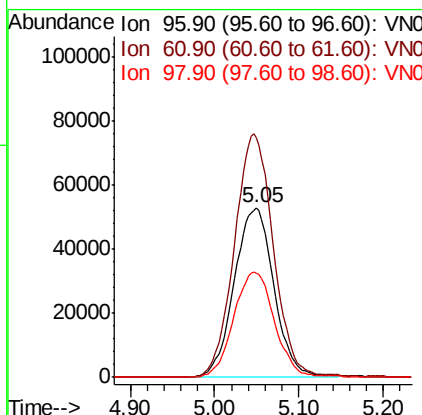
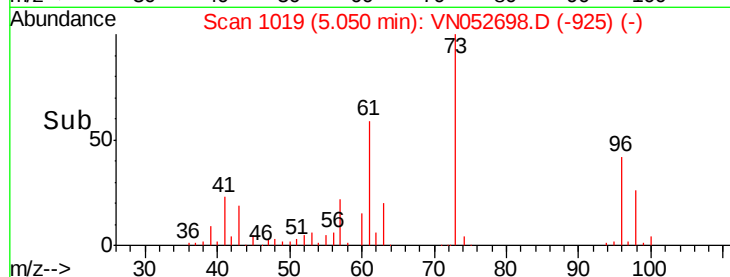
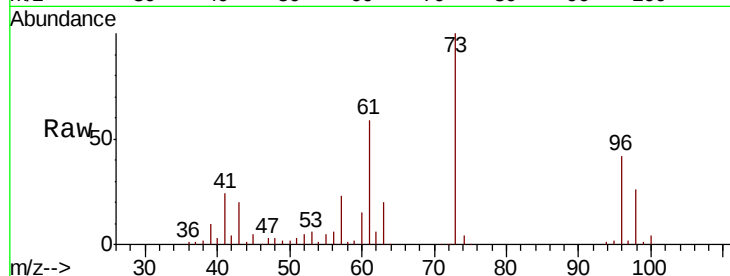
#21
trans-1,2-Dichloroethene
Concen: 19.221 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	117.0	175.4
98	61.5	51.8	77.6

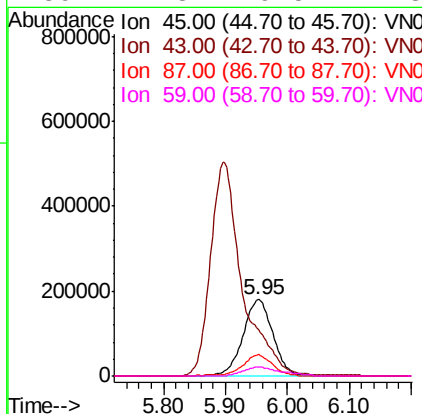
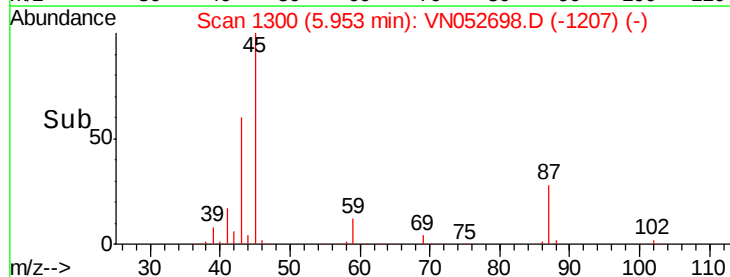
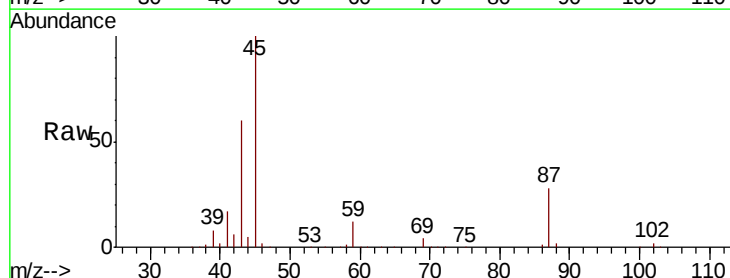
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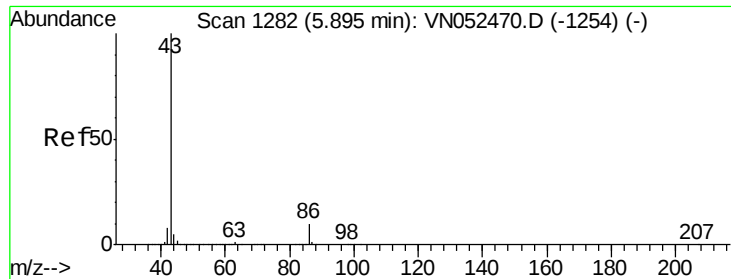
MMDadoda
12/7/2018 1:12:49 PM



#22
Diisopropyl ether
Concen: 19.945 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	46.1	69.1
87	27.9	21.3	31.9
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 94.743 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 43 Resp: 1796768

Ion Ratio Lower Upper

43 100

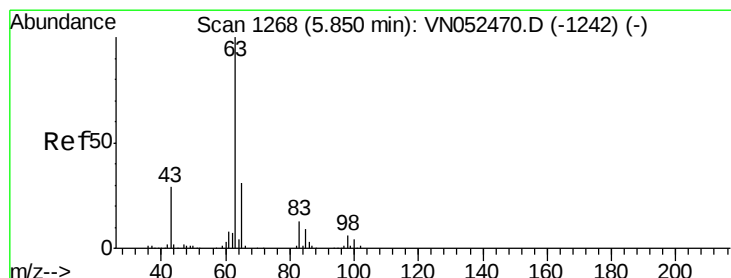
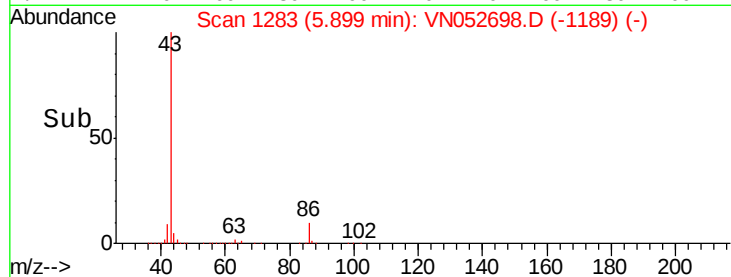
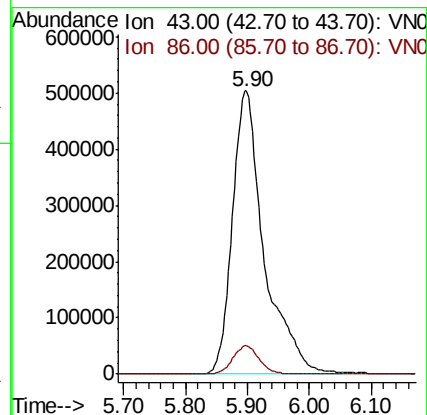
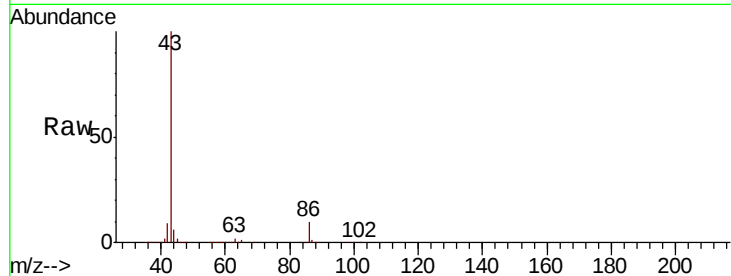
86 10.1 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.113 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

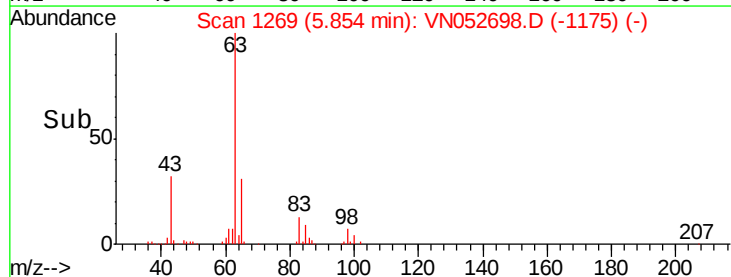
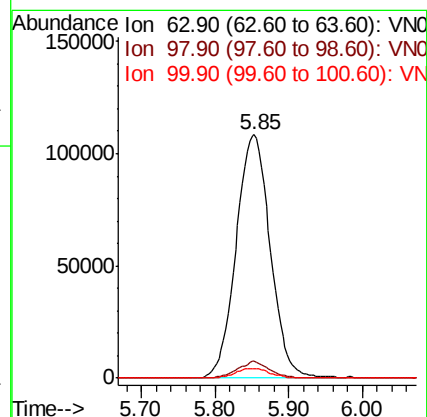
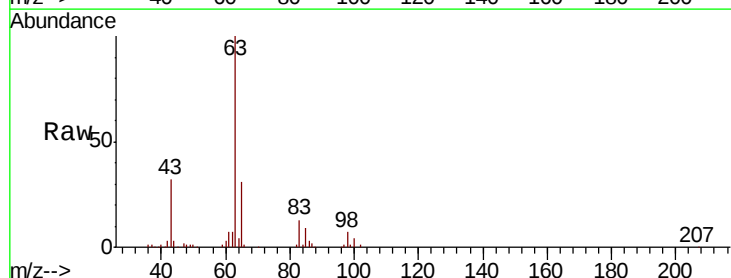
Tgt Ion: 63 Resp: 349655

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 98.273 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 43 Resp: 359162

Ion Ratio Lower Upper

43 100

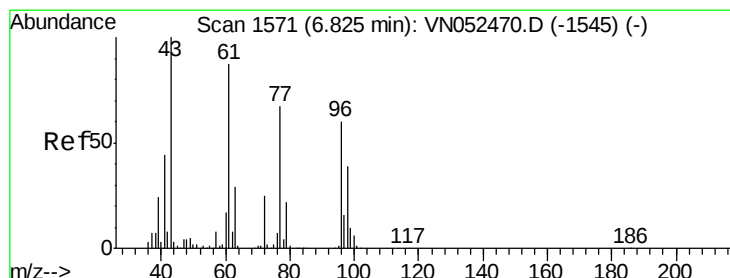
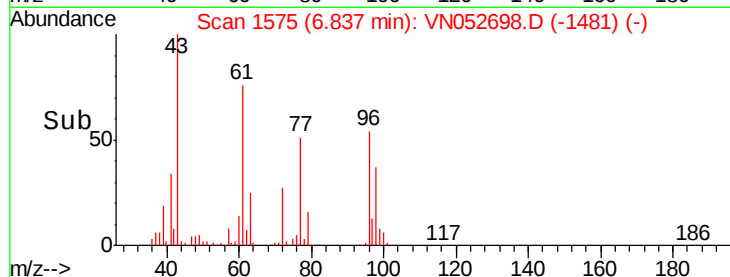
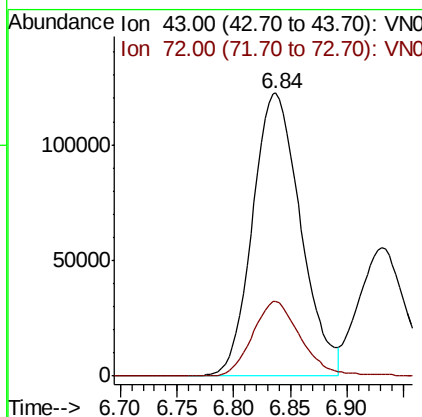
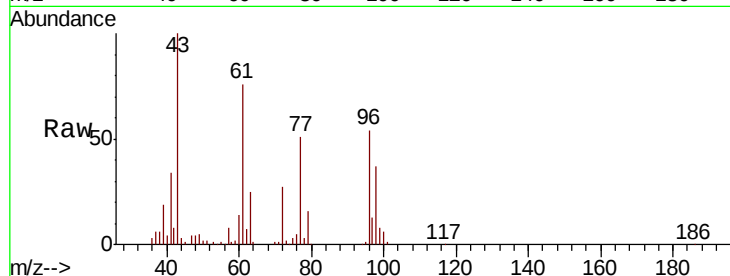
72 26.6 20.1 30.1

Manual Integrations

APPROVED

MMDadoda

12/7/2018 1:12:49 PM



#26

2,2-Dichloropropane

Concen: 18.579 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052698.D

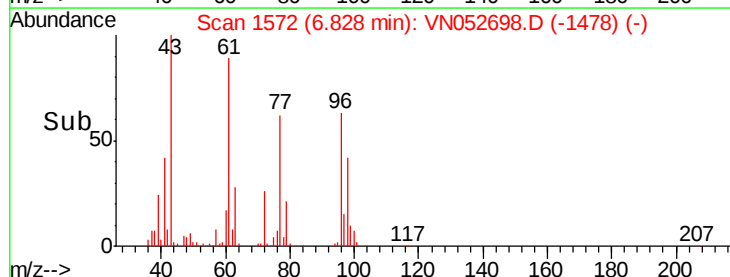
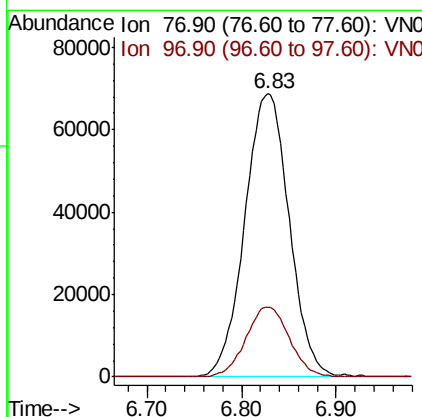
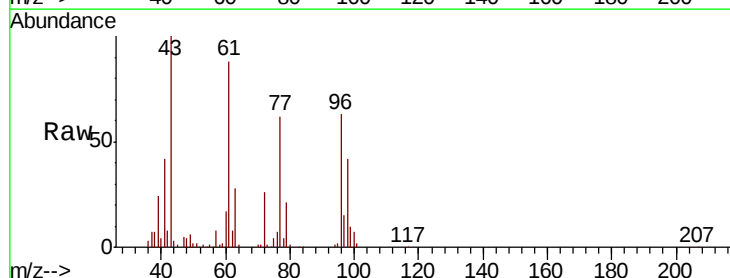
Acq: 6 Dec 2018 14:33

Tgt Ion: 77 Resp: 223561

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.636 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

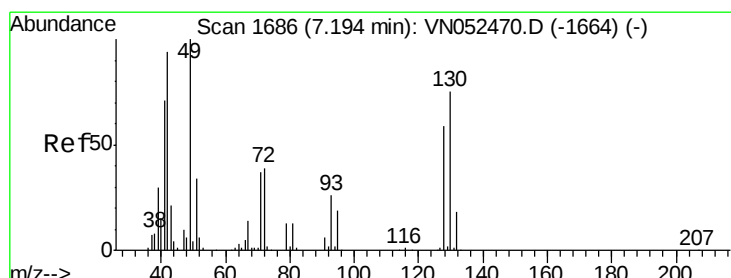
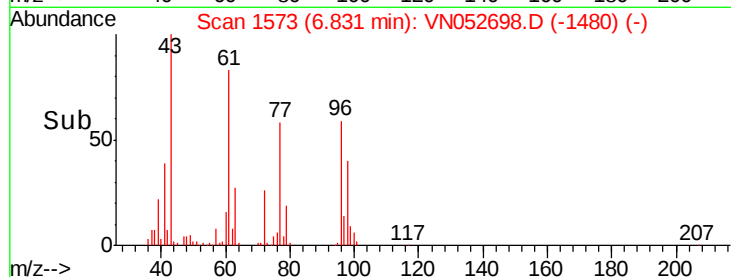
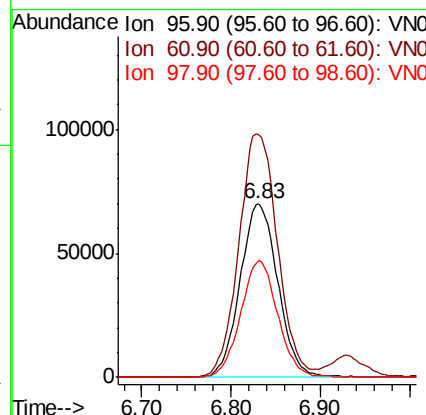
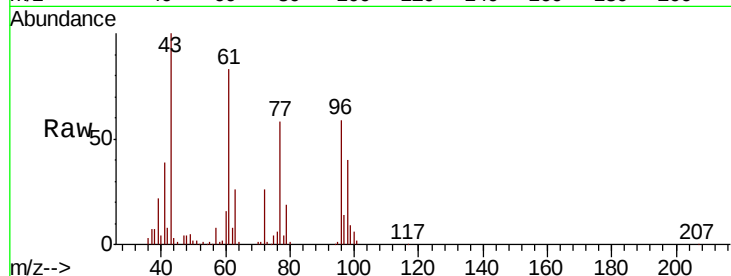
ClientSampleId :

VN1206WBSD01

Tot Ion:	96	Resp:	205460
Ion Ratio	Lower	Upper	
96	100		
61	143.6	0.0	291.0
98	66.1	0.0	130.0

Manual Integrations
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12/7/2018 1:12:49 PM



#28

Bromochloromethane

Concen: 20.774 ug/l

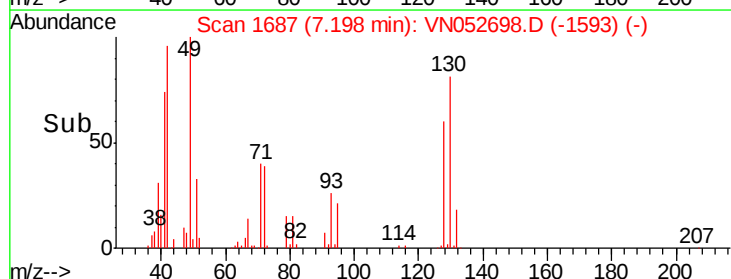
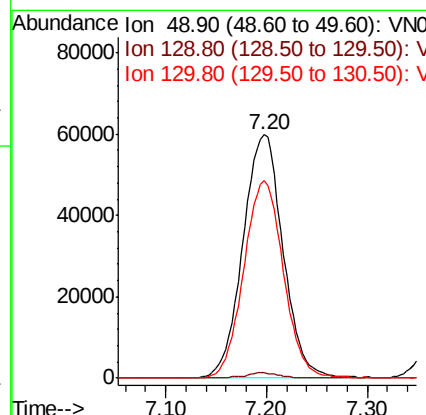
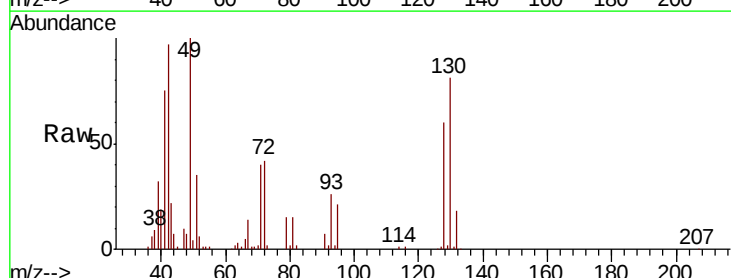
RT: 7.20 min Scan# 1687

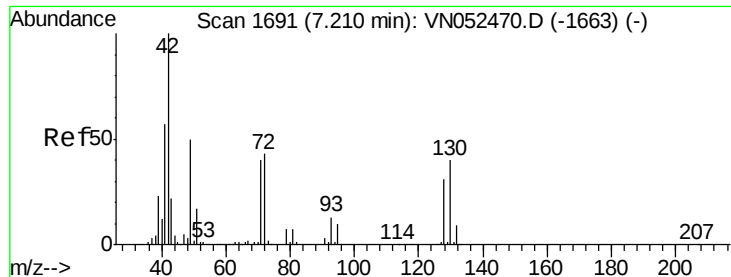
Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Tgt Ion:	49	Resp:	164952
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	80.1	60.2	90.2





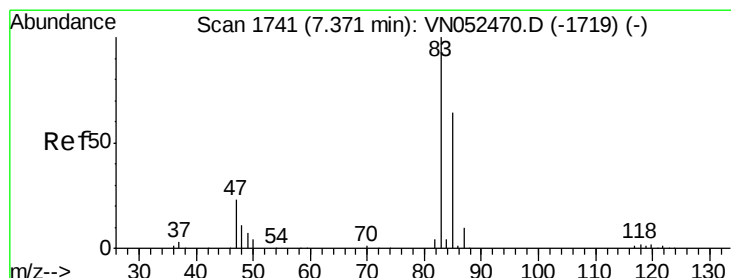
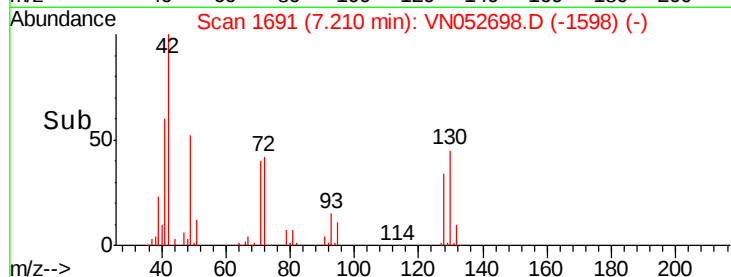
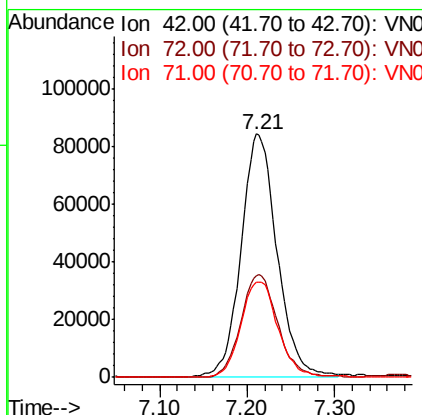
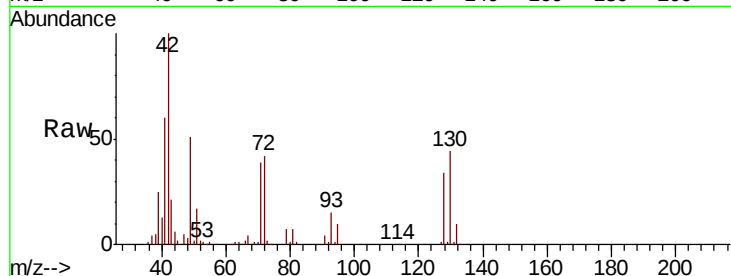
#29
Tetrahydrofuran
Concen: 101.862 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.3	49.9
71	40.9	32.0	48.0

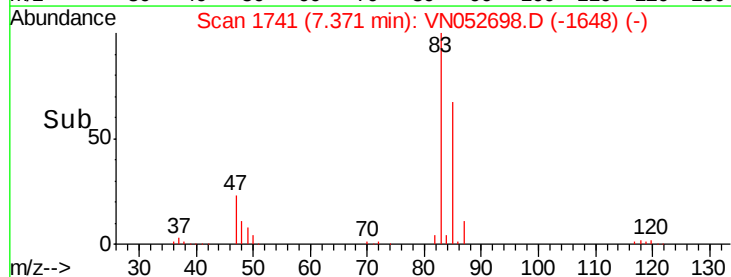
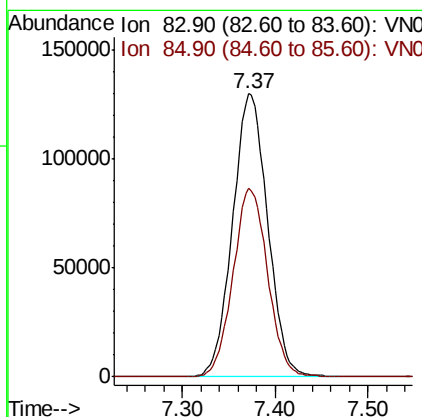
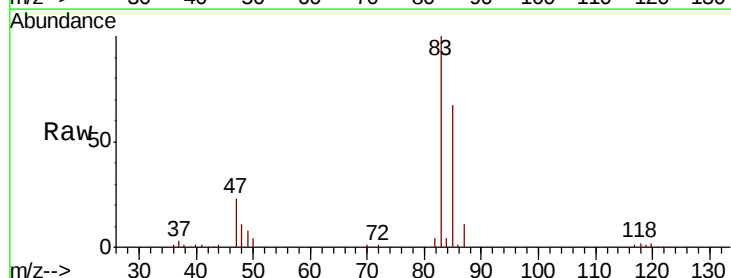
Manual Integrations
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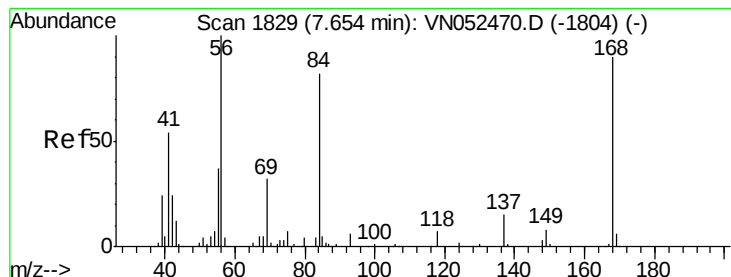
MMDadoda
12/7/2018 1:12:49 PM



#30
Chloroform
Concen: 19.703 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.0	76.4





#31

Cyclohexane

Concen: 18.112 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

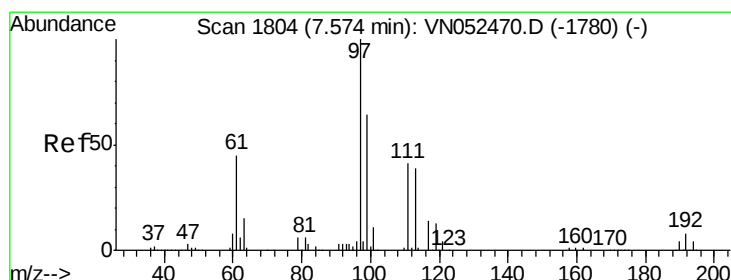
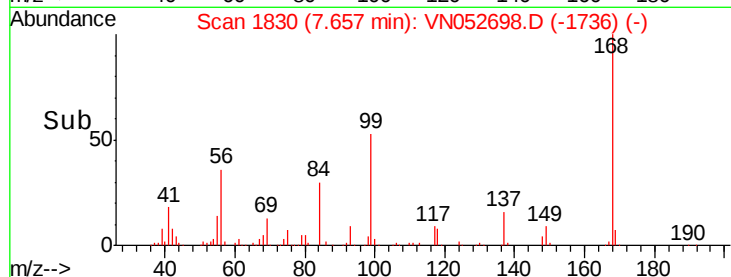
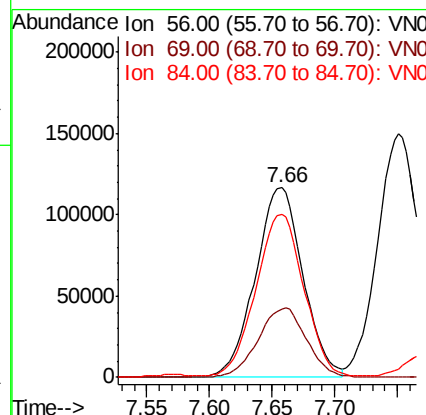
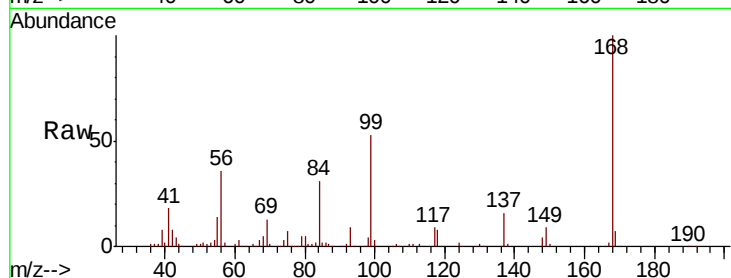
ClientSampleId :

VN1206WBSD01

Tot Ion:	56	Resp:	308691
Ion Ratio	Lower	Upper	
56	100		
69	36.3	25.8	38.6
84	85.3	65.3	97.9

Manual Integrations
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12/7/2018 1:12:49 PM



#32

1,1,1-Trichloroethane

Concen: 19.955 ug/l

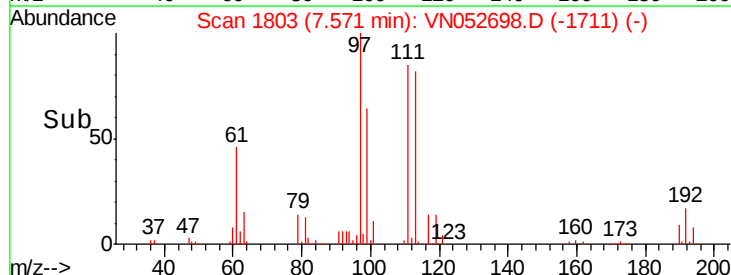
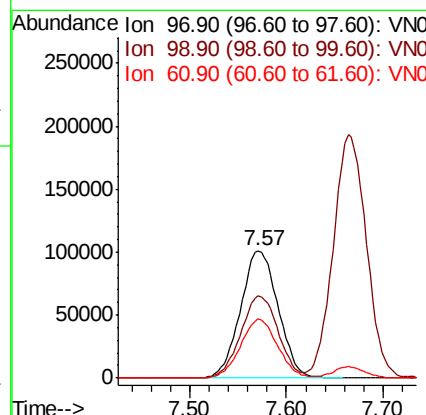
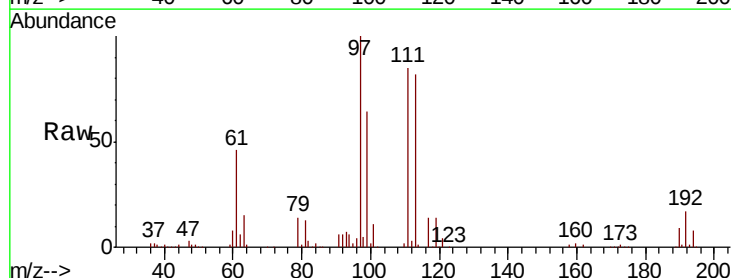
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Tgt Ion:	97	Resp:	274224
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.7	77.5
61	45.7	36.8	55.2





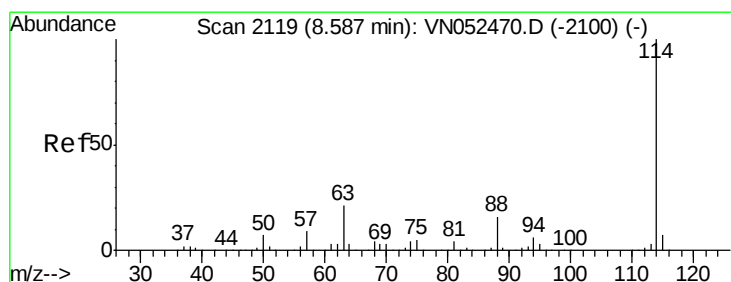
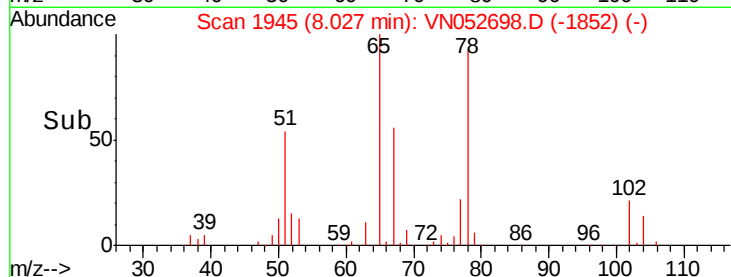
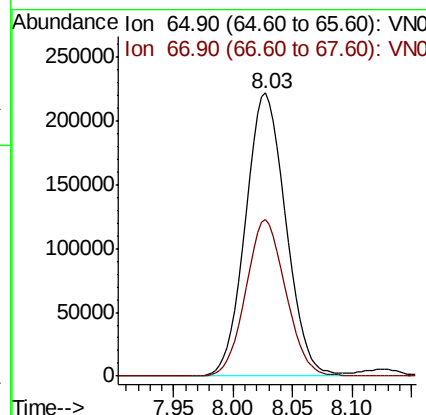
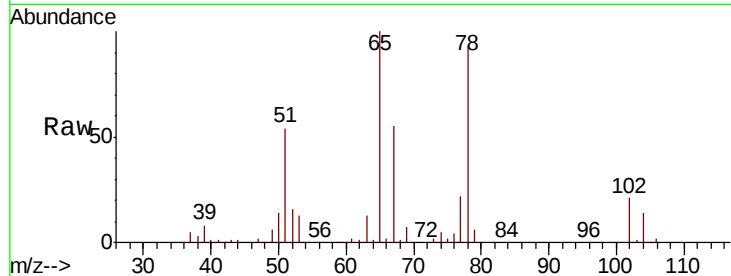
#33
 1,2-Dichloroethane-d4
 Concen: 19.955 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Tot Ion: 65 Resp: 522143
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8

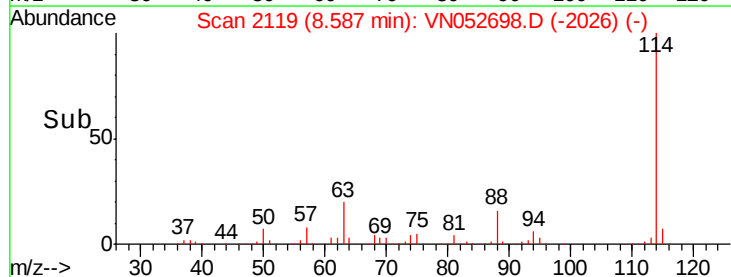
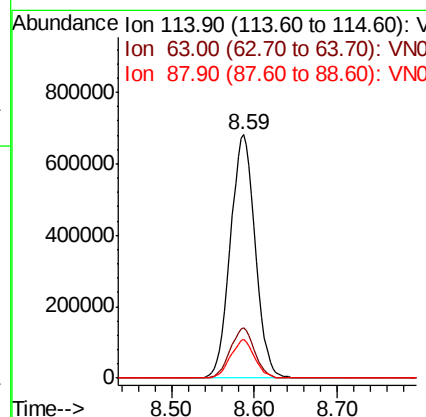
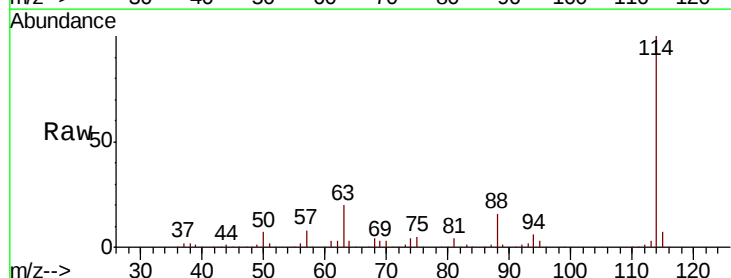
Manual Integrations
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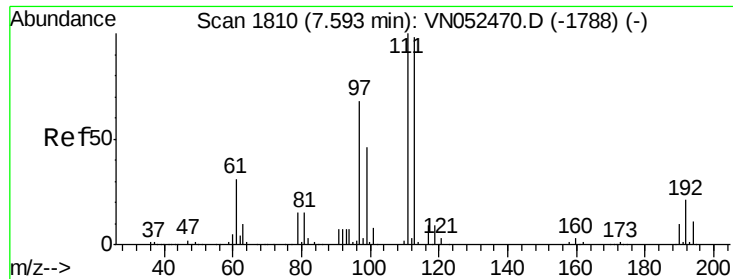
MMDadoda
 12/7/2018 1:12:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion: 114 Resp: 1415805
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.9 0.0 31.6





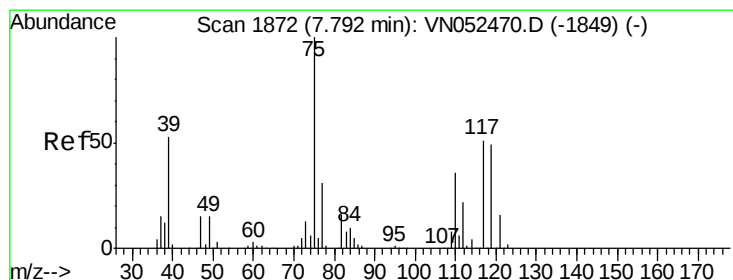
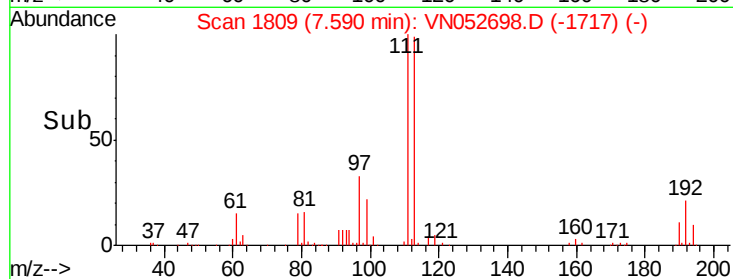
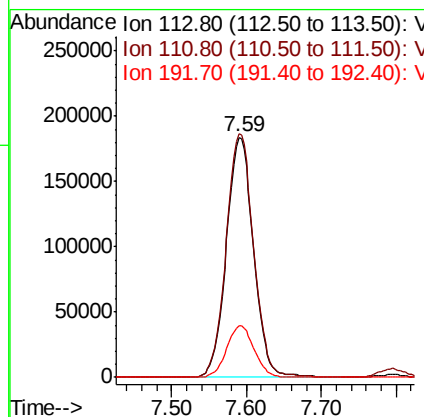
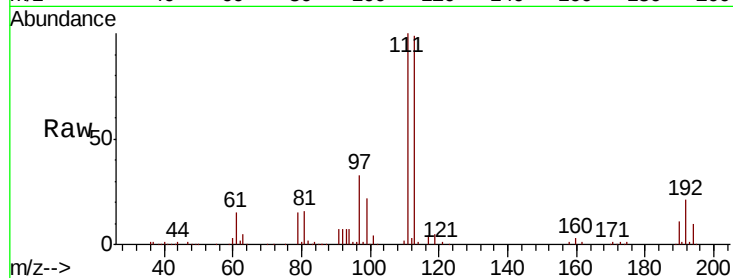
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	461705		
111	103.0	82.0	123.0	
192	21.7	17.0	25.6	

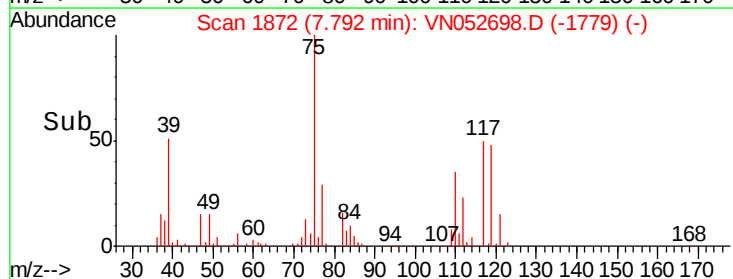
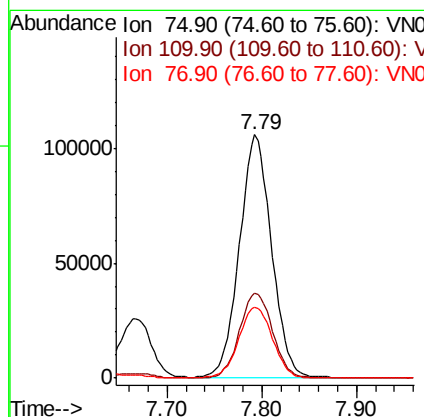
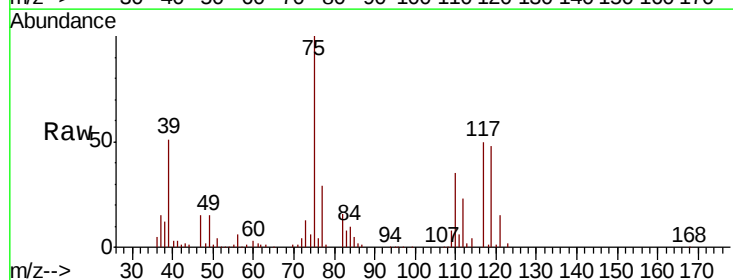
Manual Integrations
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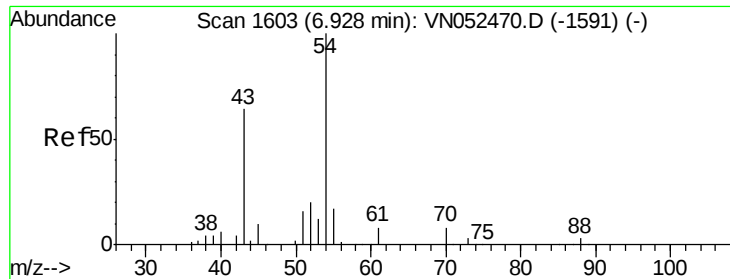
MMDadoda
12/7/2018 1:12:49 PM



#36
1,1-Dichloropropene
Concen: 18.666 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	249556		
110	36.1	17.5	52.6	
77	30.8	24.5	36.7	





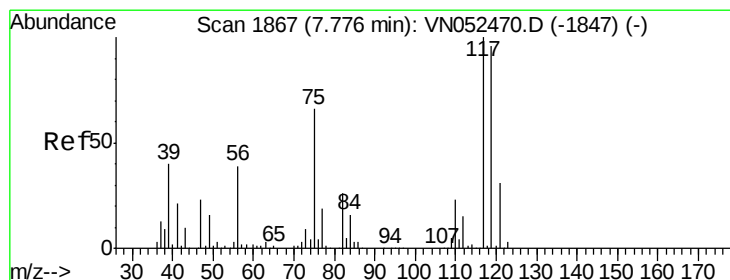
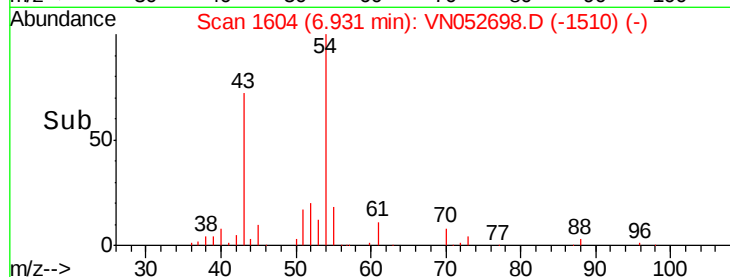
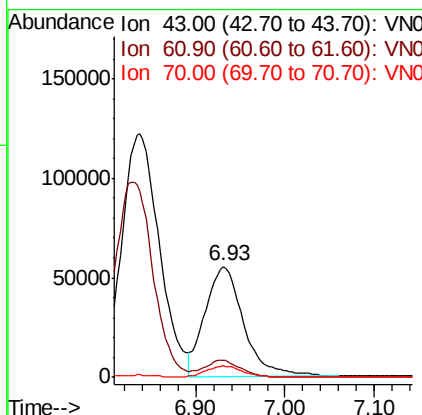
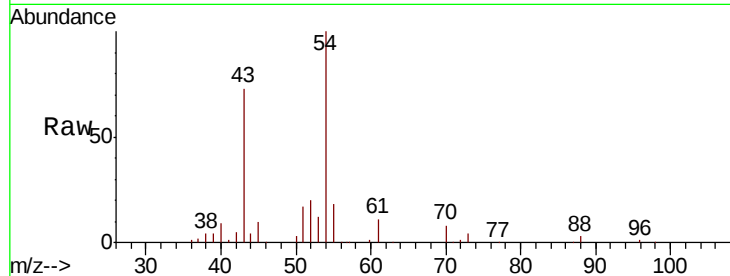
#37
Ethyl Acetate
Concen: 20.143 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	43	61	70
Resp	164353		
Ratio	100	13.5	10.1
Lower		11.8	7.8
Upper		17.8	11.8

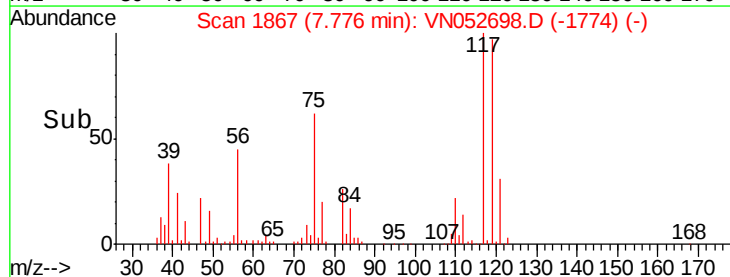
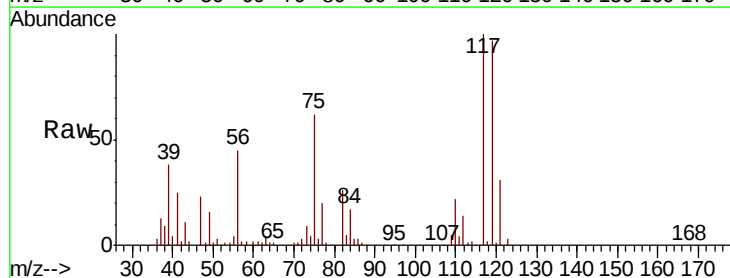
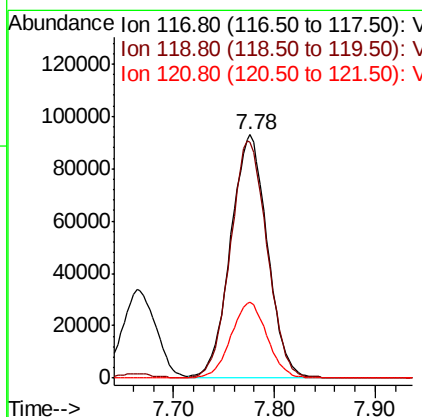
Manual Integrations
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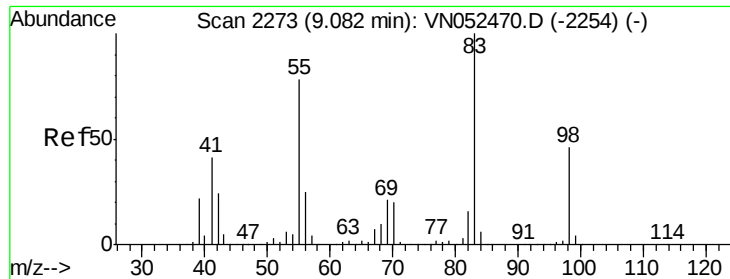
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.375 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	117	119	121
Resp	234502		
Ratio	100	96.9	31.3
Lower		76.8	24.9
Upper		115.2	37.3





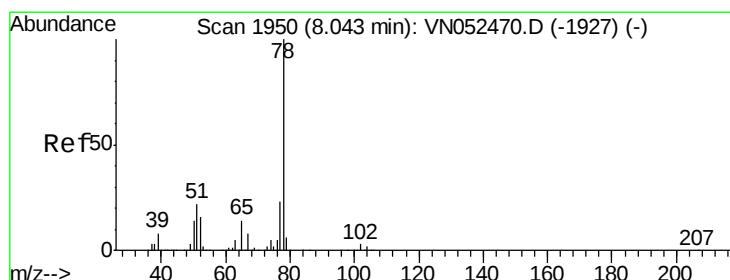
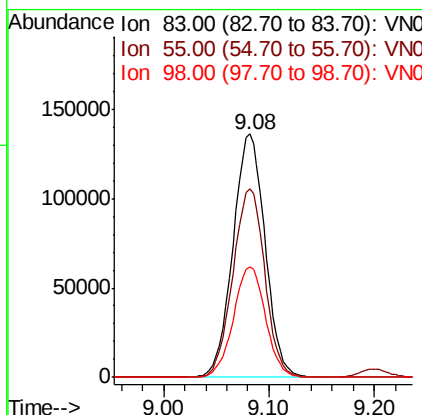
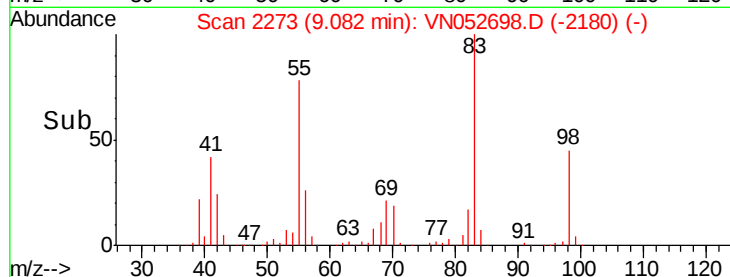
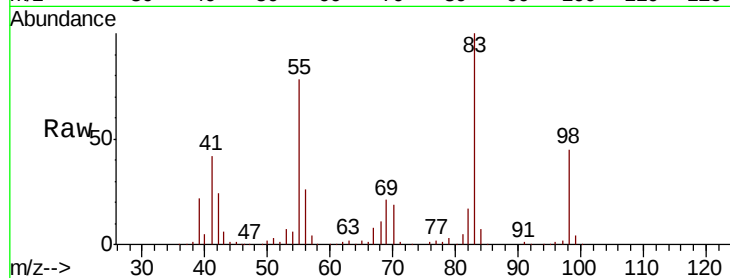
#39
Methvlcvclohexane
Concen: 17.668 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	287115		
55	77.6	62.2	93.2	
98	45.3	36.4	54.6	

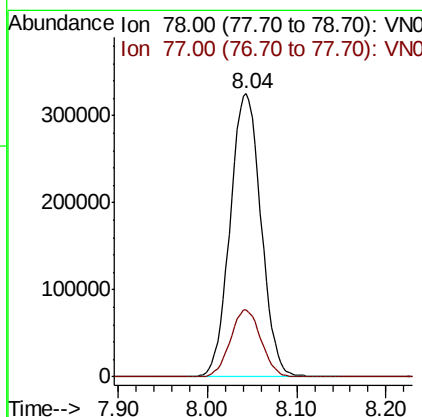
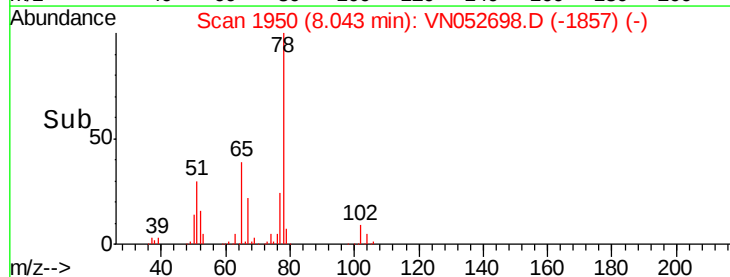
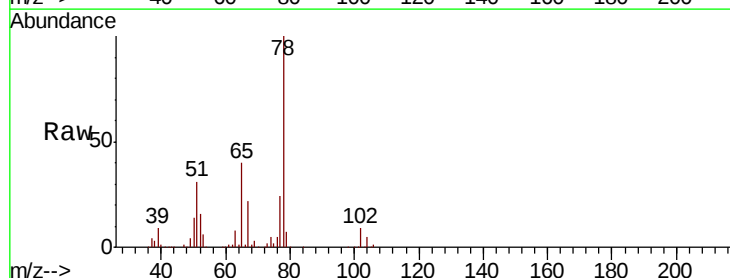
Manual Integrations
APPROVED

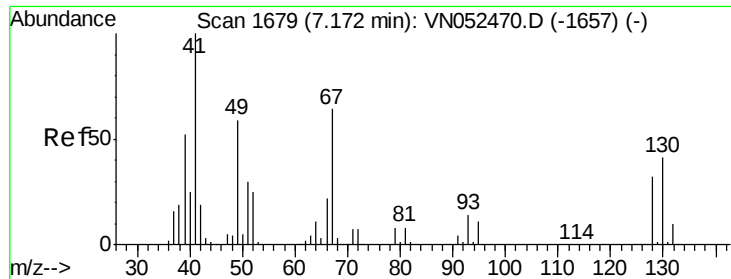
MMDadoda
12/7/2018 1:12:49 PM



#40
Benzene
Concen: 19.574 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	779936		
77	23.7	18.8	28.2	





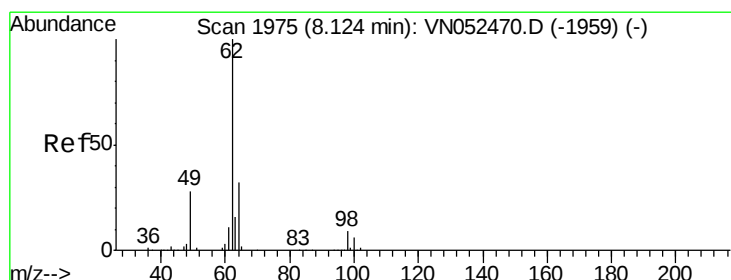
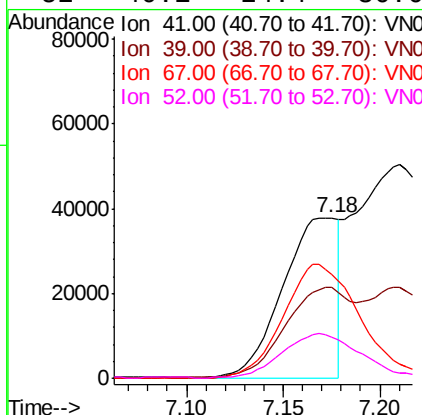
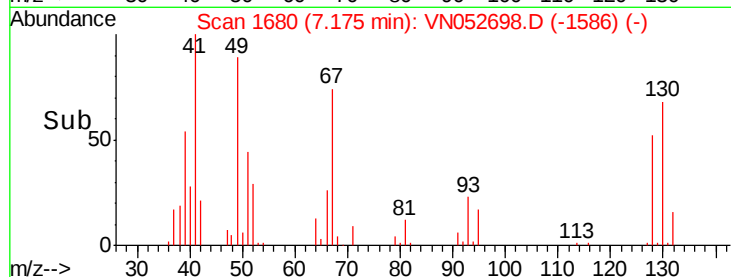
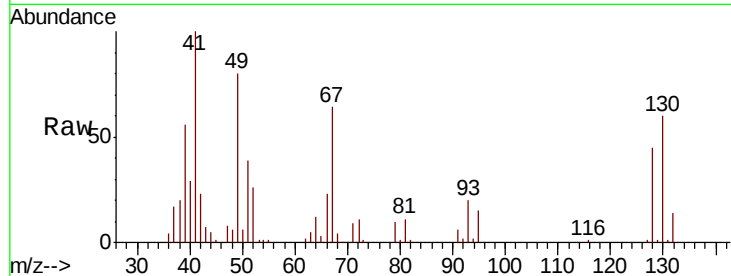
#41
Methacrylonitrile
Concen: 16.924 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion:	41	Resp:	75497
Ion Ratio	Lower	Upper	
41	100		
39	67.2	50.9	76.3
67	99.9	63.6	95.4#
52	40.1	24.4	36.6#

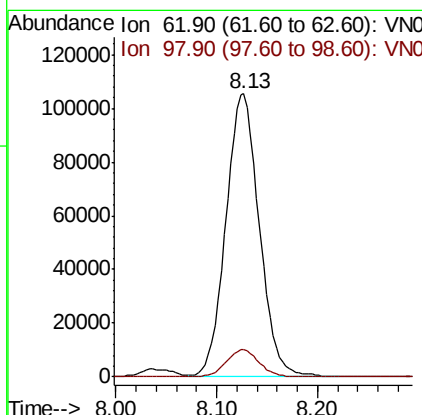
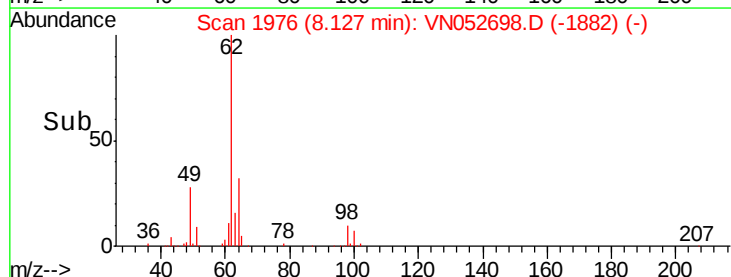
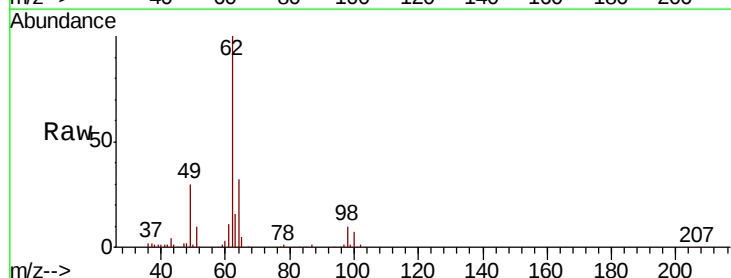
Manual Integrations
APPROVED

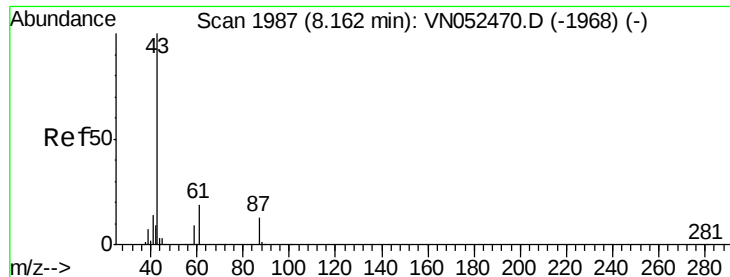
MMDadoda
12/7/2018 1:12:49 PM



#42
1,2-Dichloroethane
Concen: 20.041 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion:	62	Resp:	241780
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	18.6





#43

Isopropyl Acetate

Concen: 20.447 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

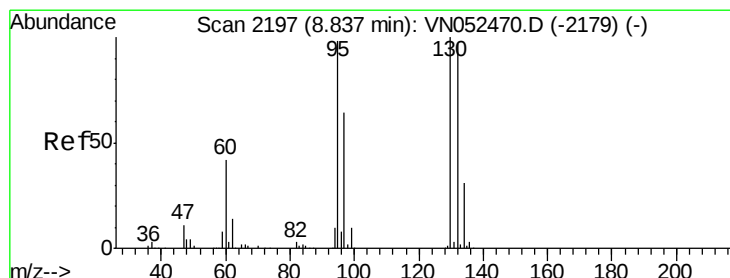
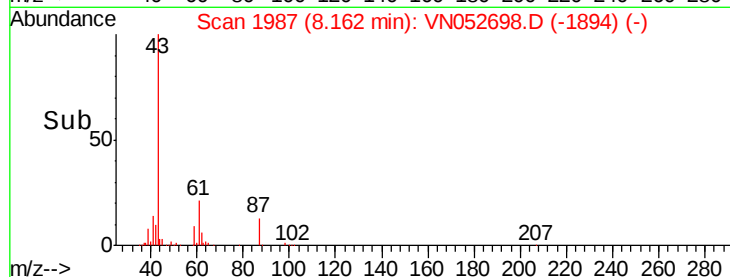
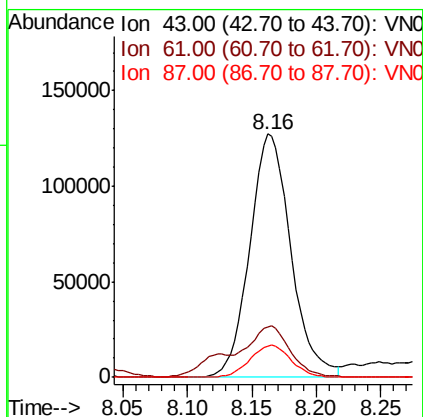
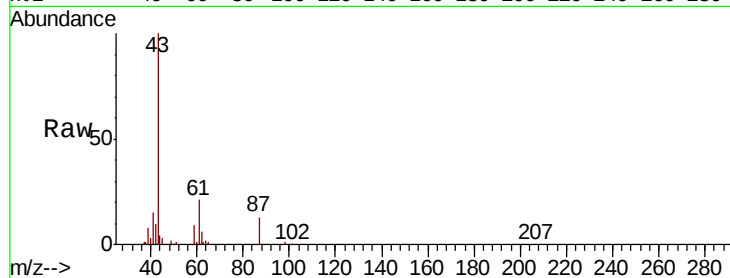
ClientSampleId :

VN1206WBSD01

Tot Ion:	43	Resp:	282344
Ion	Ratio	Lower	Upper
43	100		
61	21.1	24.1	36.1#
87	13.2	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 20.276 ug/l

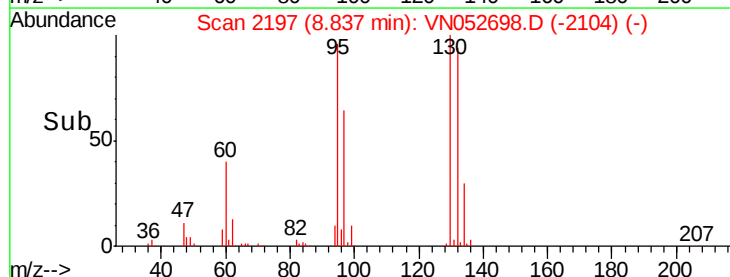
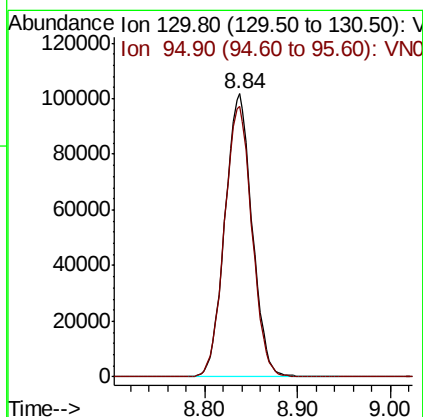
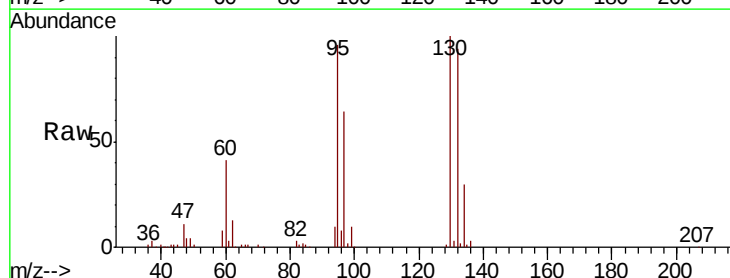
RT: 8.84 min Scan# 2197

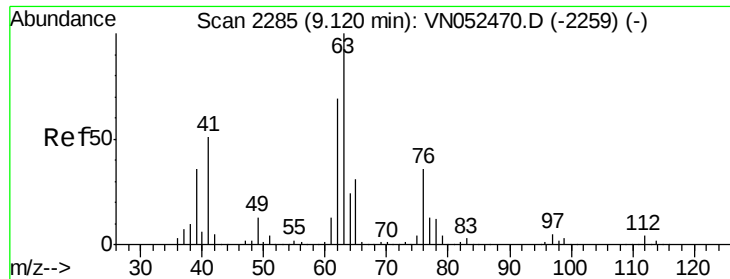
Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Tgt Ion:	130	Resp:	206938
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	195.6





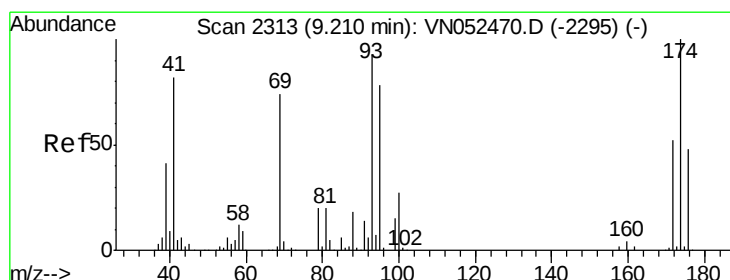
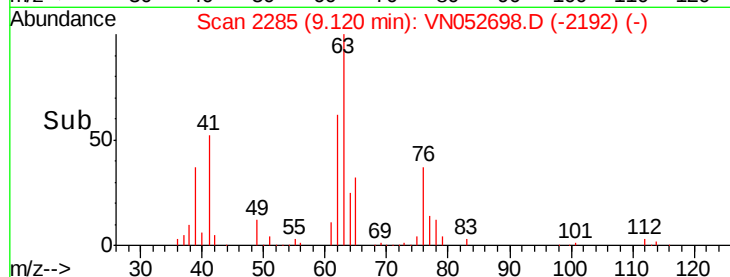
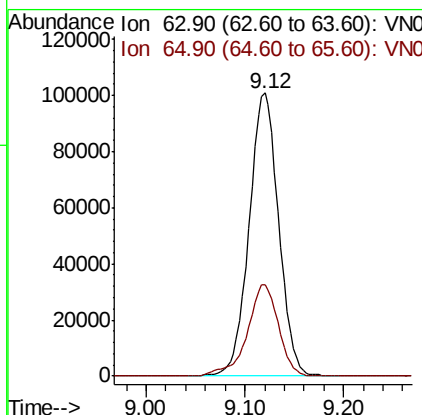
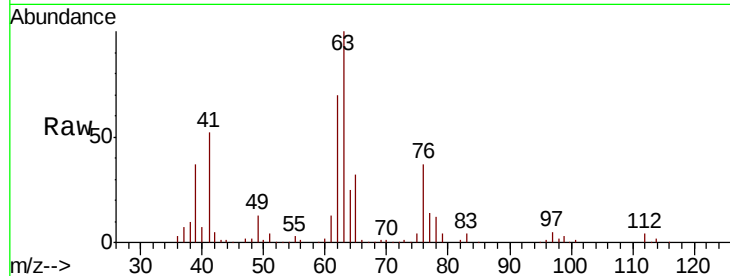
#45
 1,2-Dichloropropane
 Concen: 19.650 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Tot Ion: 63 Resp: 208160
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.6

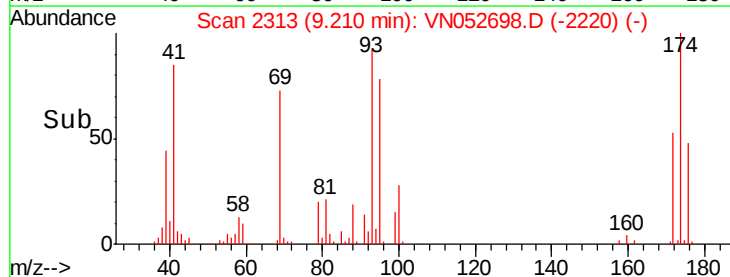
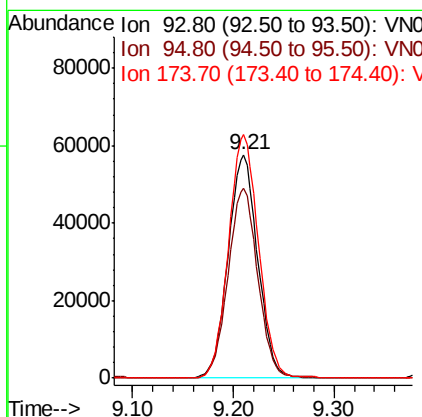
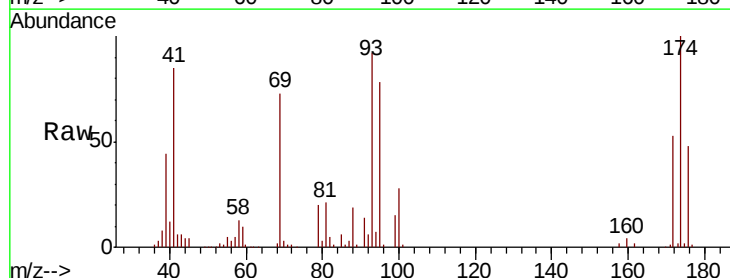
Manual Integrations
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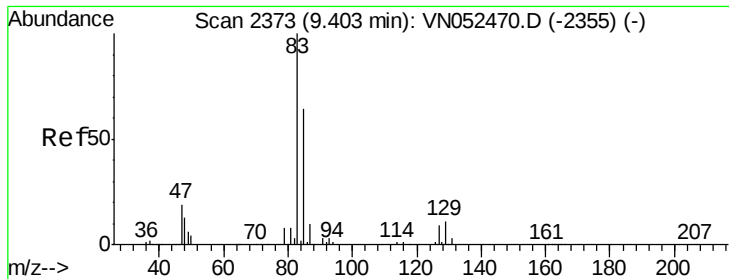
MMDadoda
 12/7/2018 1:12:49 PM



#46
 Dibromomethane
 Concen: 20.157 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion: 93 Resp: 118204
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.1 100.7
 174 110.3 85.8 128.8





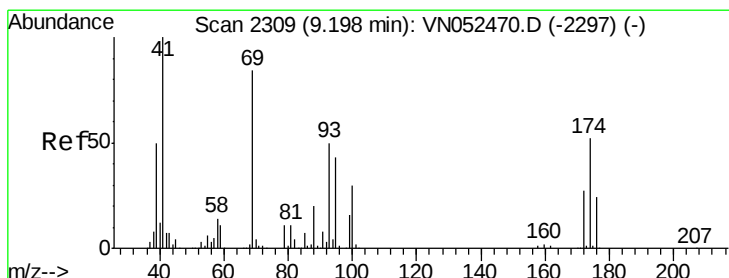
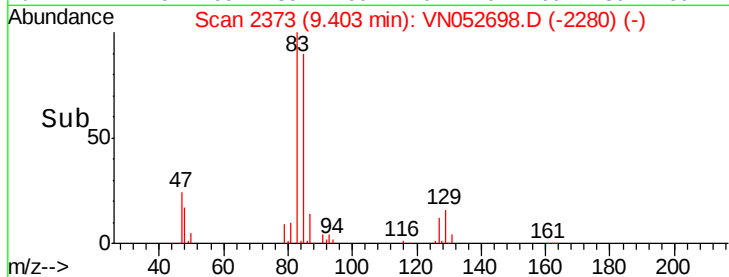
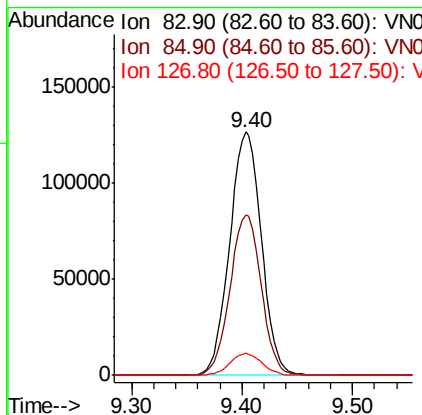
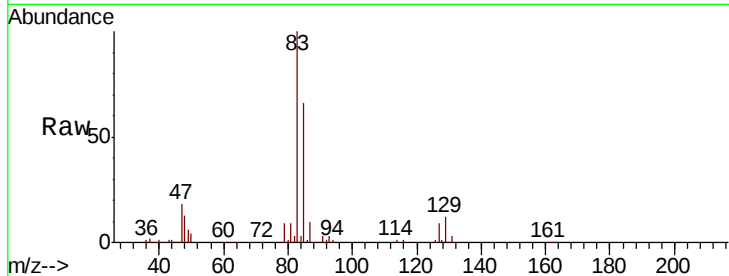
#47
Bromodichloromethane
Concen: 19.834 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	252880		
85	66.1		51.3	76.9
127	8.9		6.9	10.3

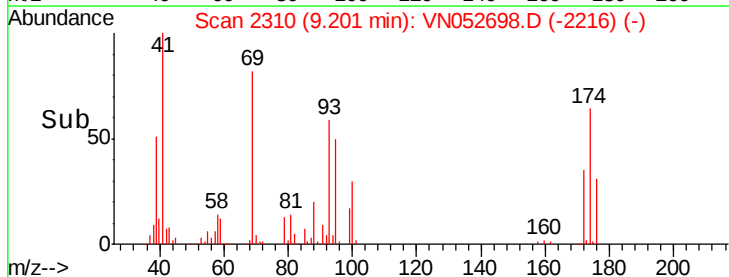
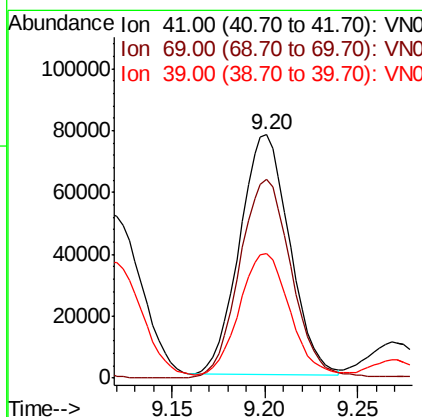
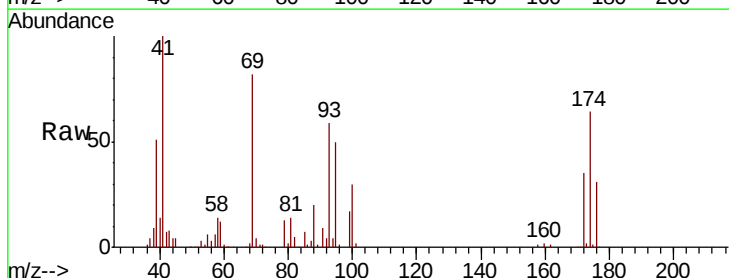
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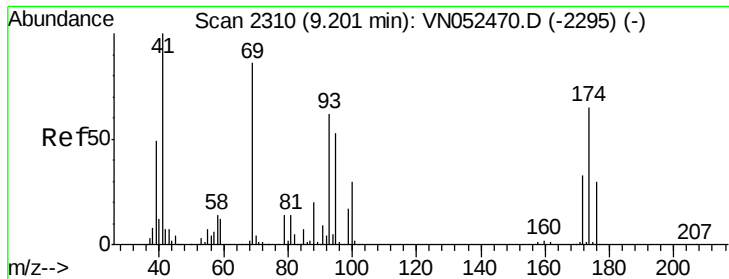
MMDadoda
12/7/2018 1:12:49 PM



#48
Methyl methacrylate
Concen: 20.122 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	144878		
69	86.9		70.0	105.0
39	53.6		42.6	64.0





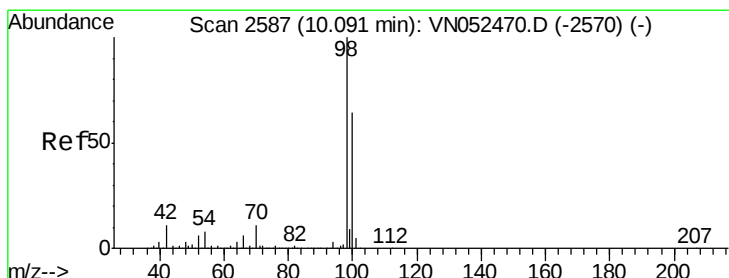
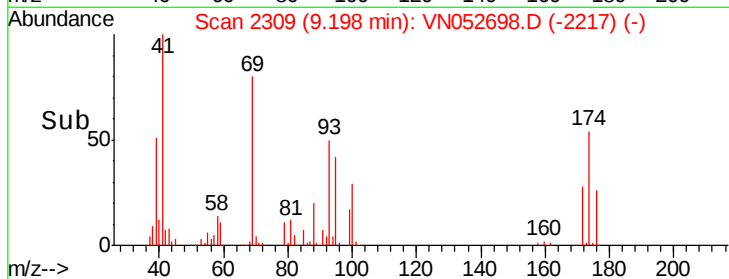
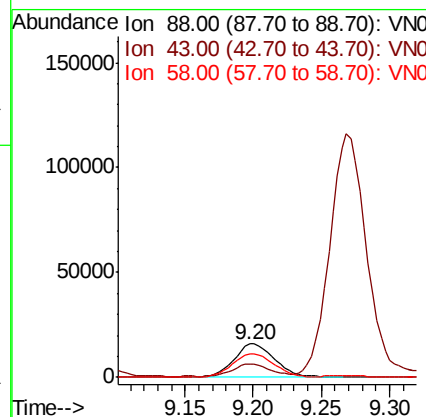
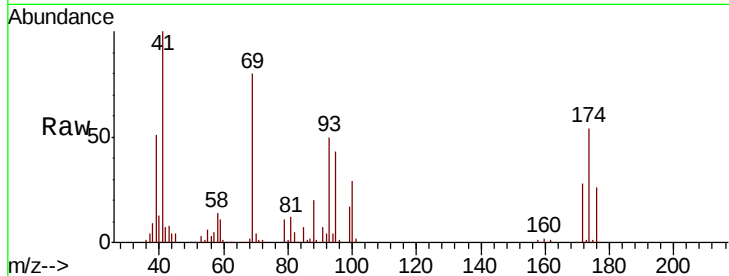
#49
1,4-Dioxane
Concen: 445.958 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.4	39.6
58	72.0	55.4	83.0

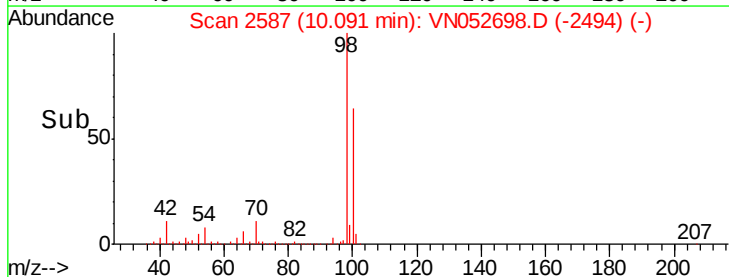
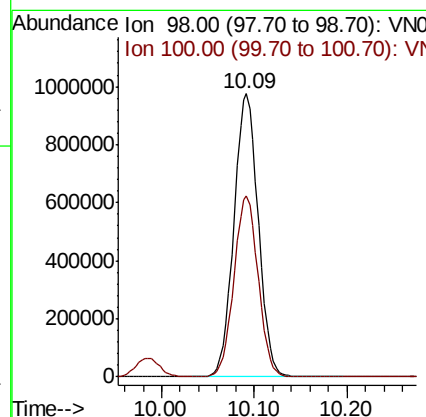
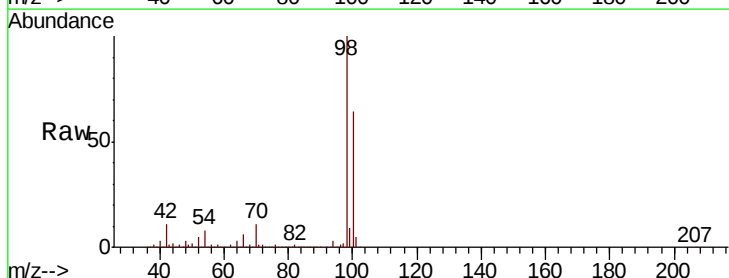
Manual Integrations
APPROVED

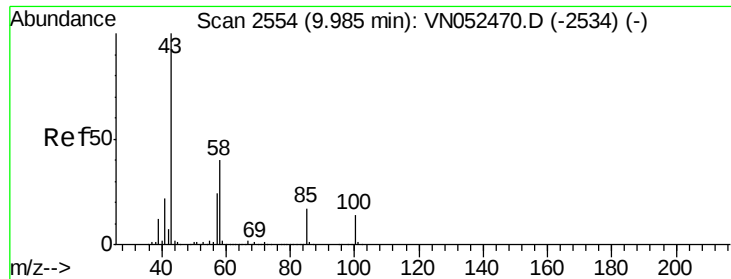
MMDadoda
12/7/2018 1:12:49 PM



#50
Toluene-d8
Concen: 445.958 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 105.142 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleID :

VN1206WBSD01

Tot Ion: 43 Resp: 814585

Ion Ratio Lower Upper

43 100

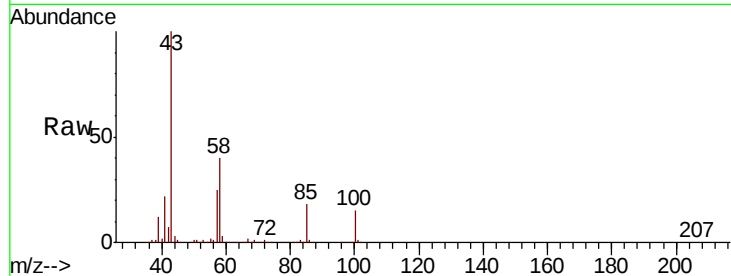
58 39.5 31.5 47.3

Manual Integrations

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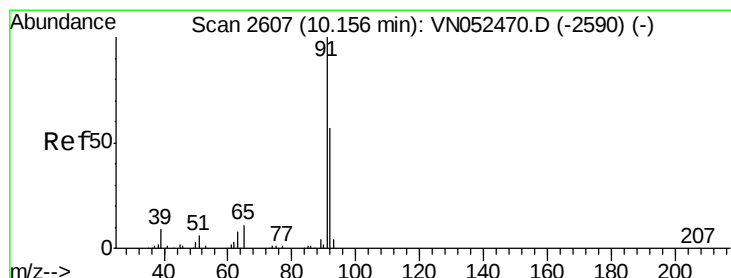
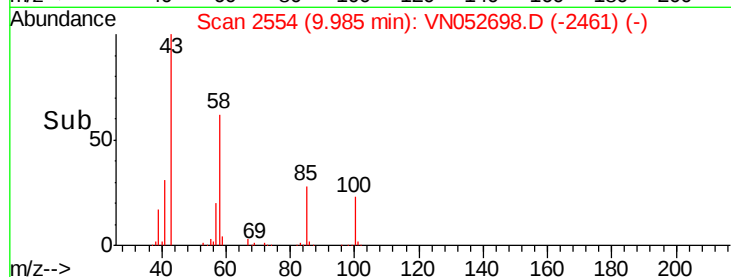
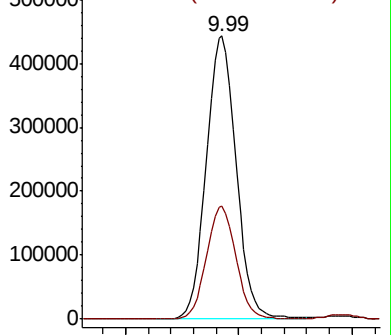
MMDadoda

12/7/2018 1:12:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.000 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052698.D

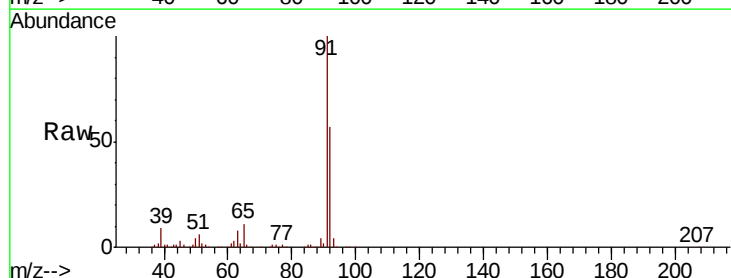
Acq: 6 Dec 2018 14:33

Tgt Ion: 92 Resp: 473457

Ion Ratio Lower Upper

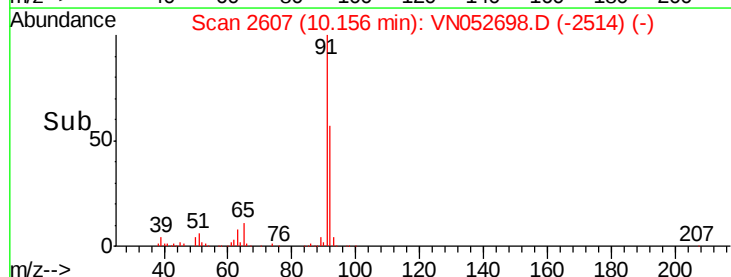
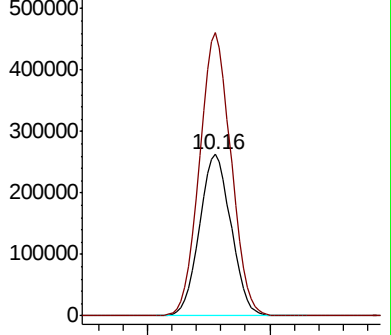
92 100

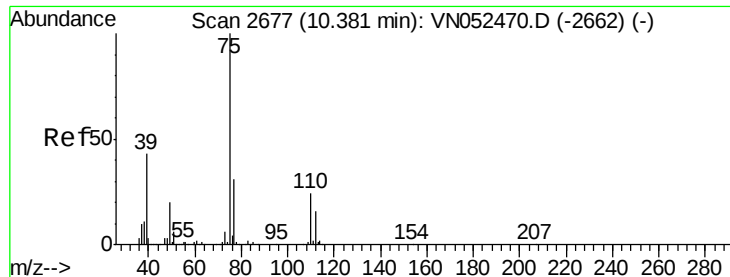
91 174.2 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.525 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 75 Resp: 239492

Ion Ratio Lower Upper

75 100

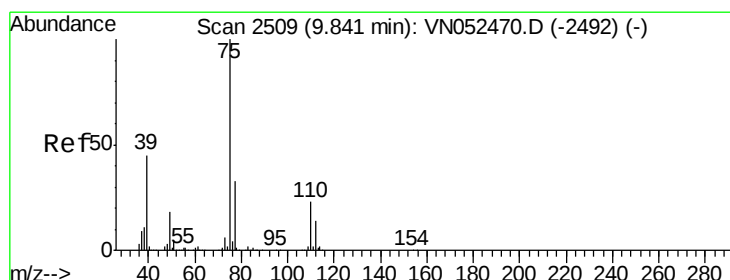
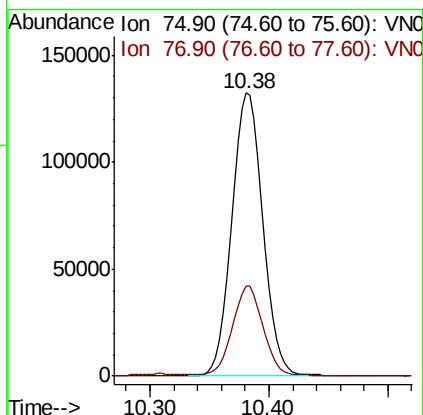
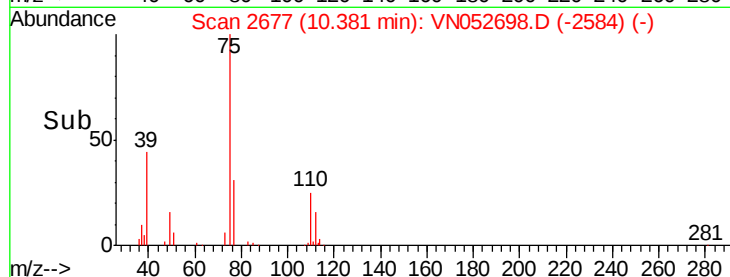
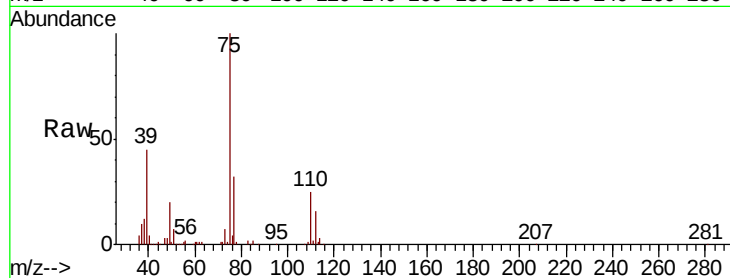
77 31.6 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.706 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

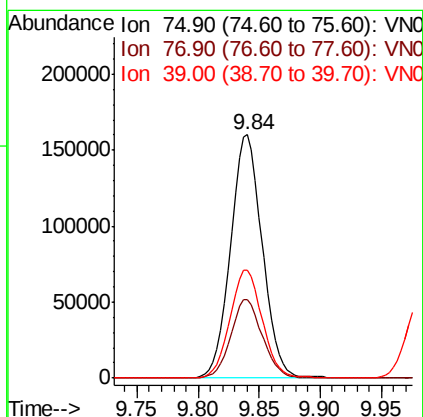
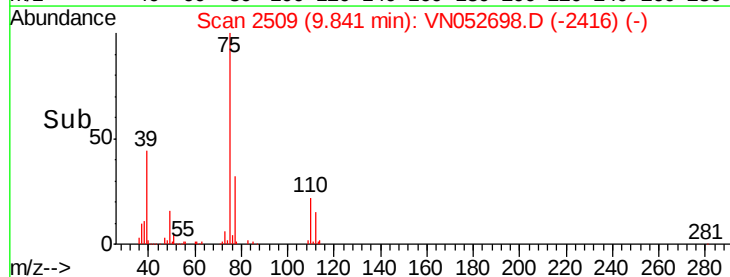
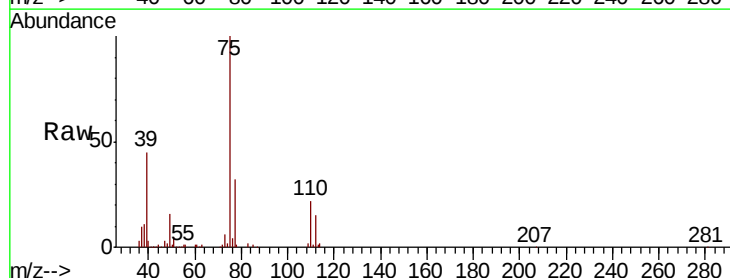
Tgt Ion: 75 Resp: 289655

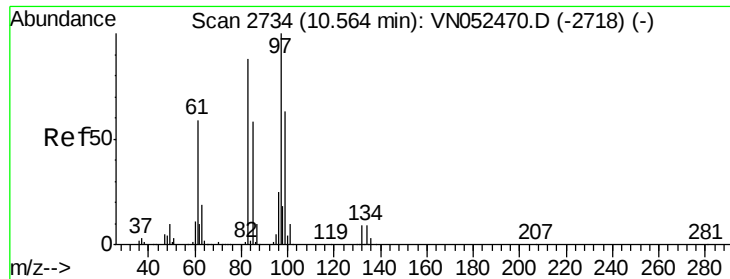
Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2

39 44.6 36.0 54.0





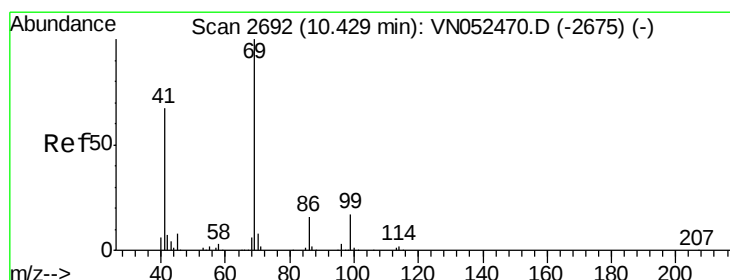
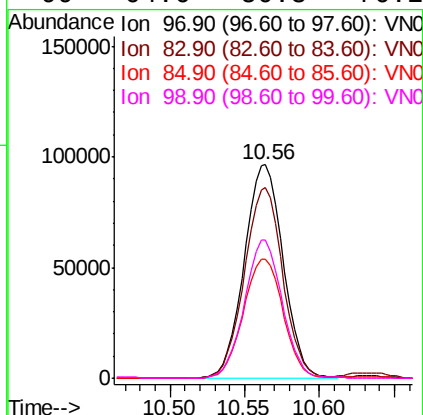
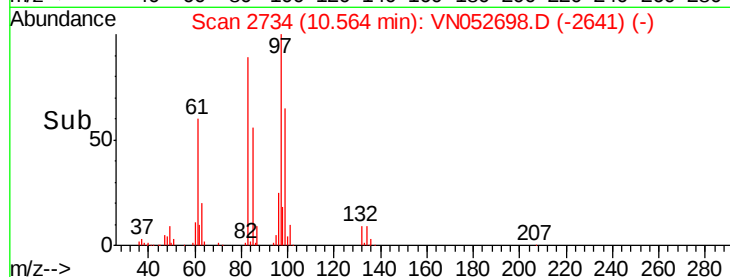
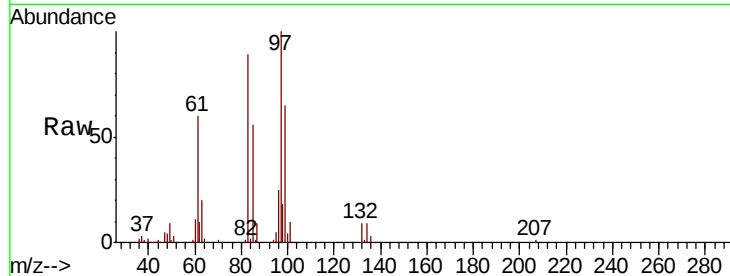
#55
 1,1,2-Trichloroethane
 Concen: 20.961 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.7	106.1
85	55.8	46.1	69.1
99	64.6	50.8	76.2

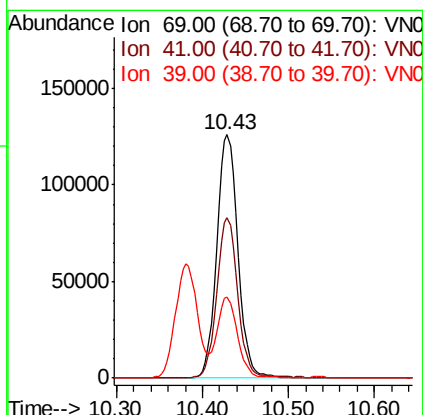
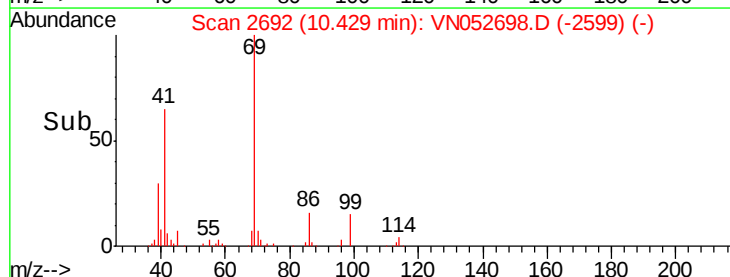
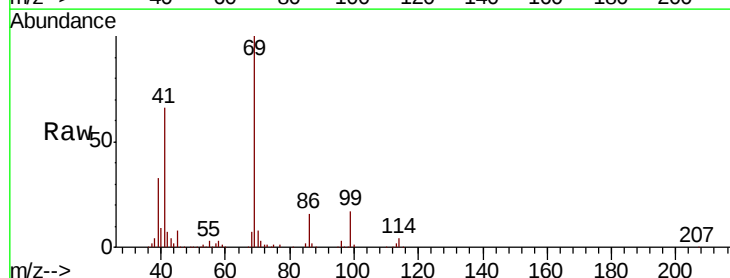
Manual Integrations
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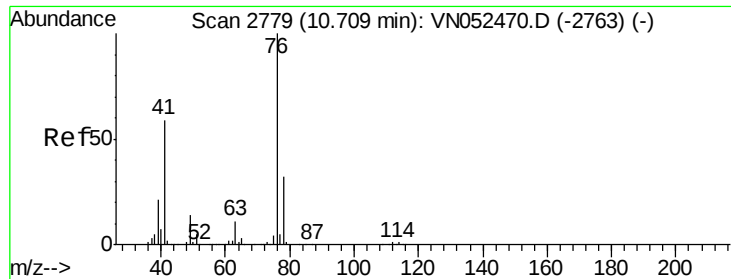
MMDadoda
 12/7/2018 1:12:49 PM



#56
 Ethyl methacrylate
 Concen: 20.422 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.6	79.0
39	31.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 20.404 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 76 Resp: 300017

Ion Ratio Lower Upper

76 100

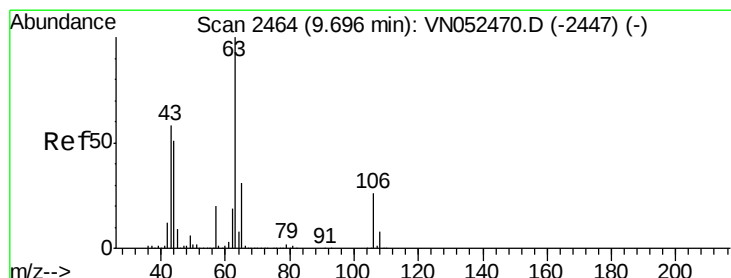
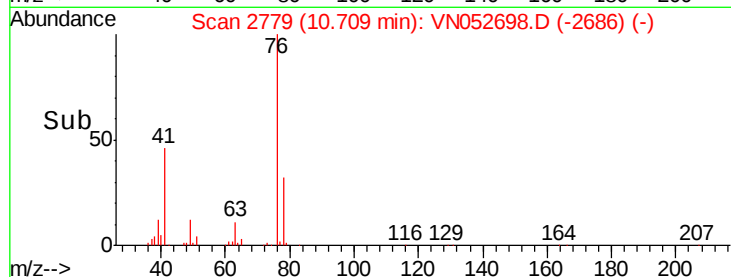
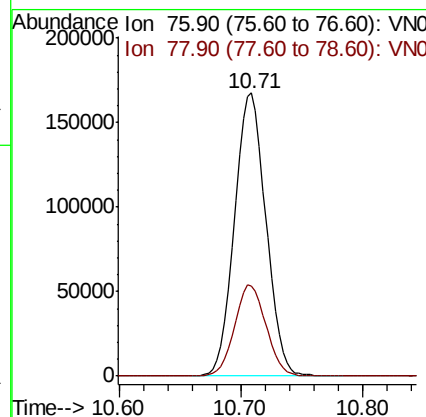
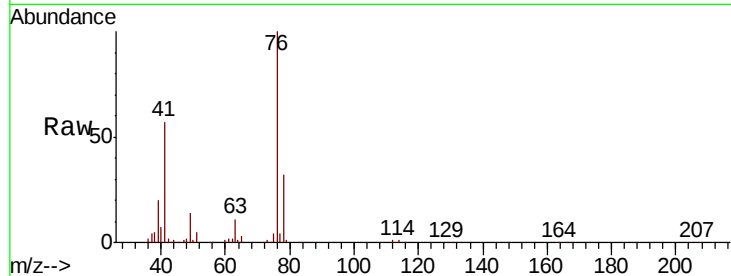
78 32.4 25.6 38.4

Manual Integrations

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MMDadoda

12/7/2018 1:12:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 101.934 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052698.D

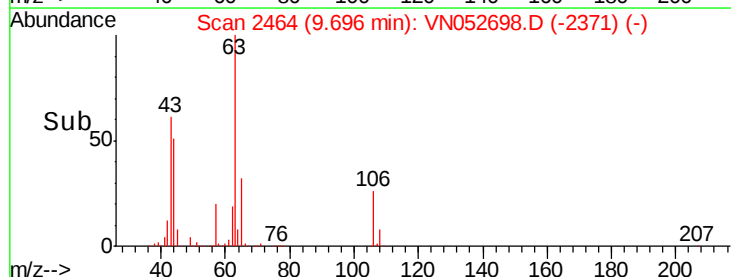
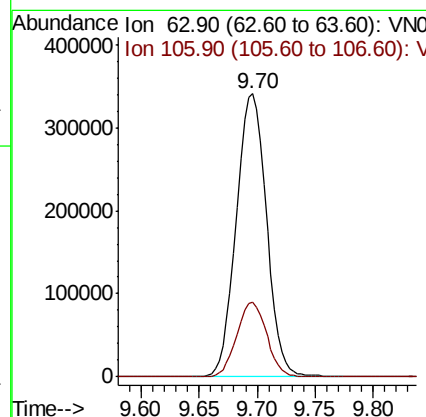
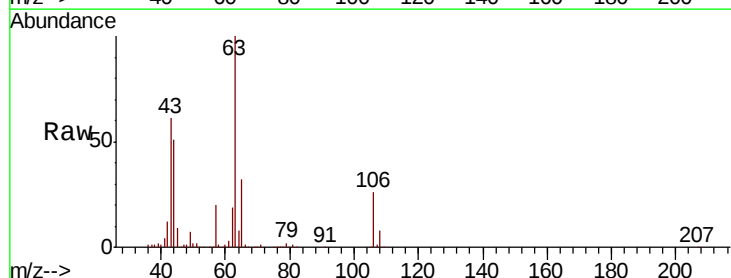
Acq: 6 Dec 2018 14:33

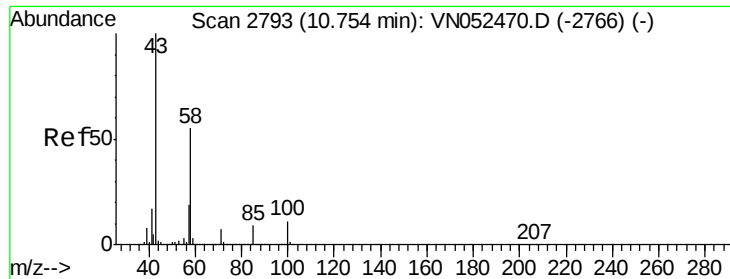
Tgt Ion: 63 Resp: 615930

Ion Ratio Lower Upper

63 100

106 26.2 20.6 30.8





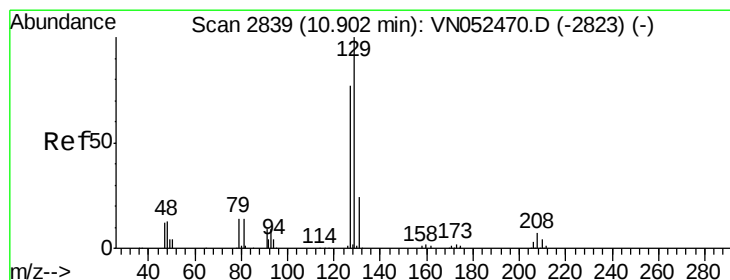
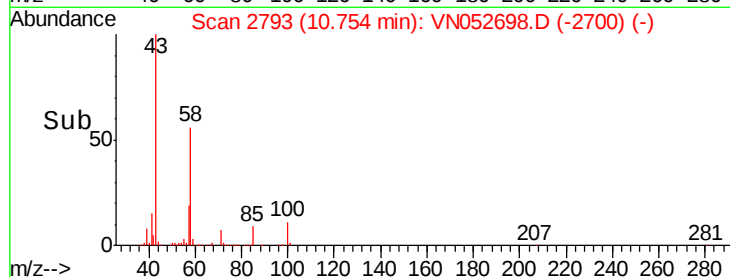
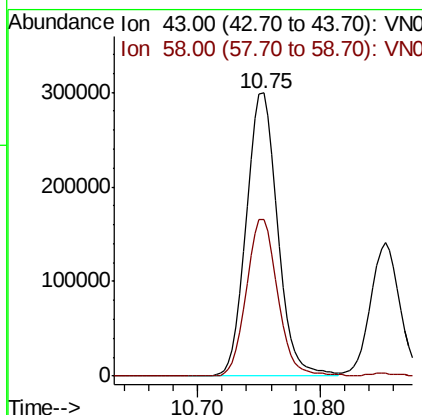
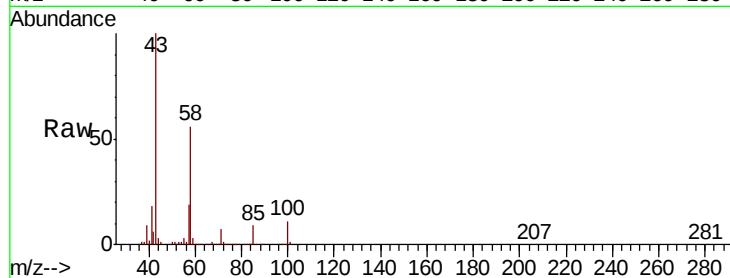
#59
2-Hexanone
Concen: 101.251 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion: 43 Resp: 526479
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.0

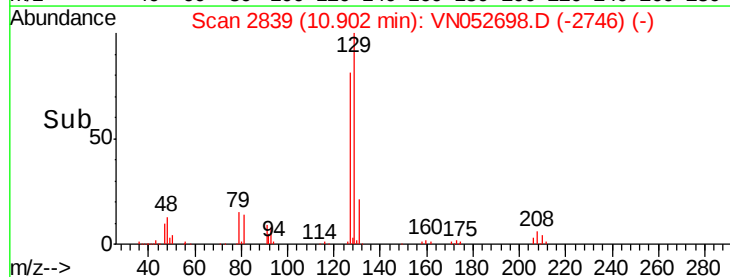
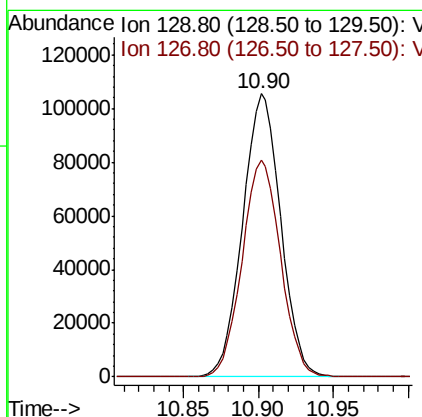
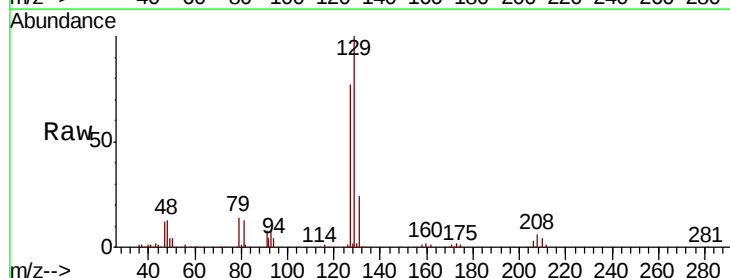
Manual Integrations
APPROVED

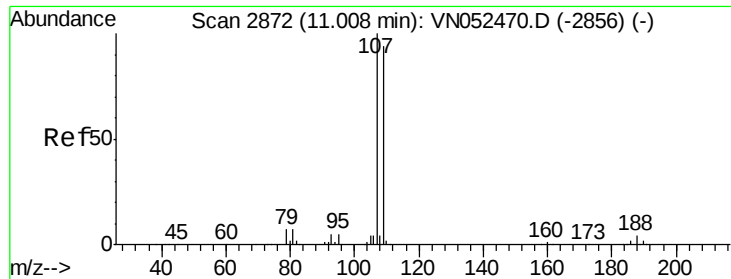
MMDadoda
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#60
Dibromochloromethane
Concen: 20.701 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion: 129 Resp: 187227
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6





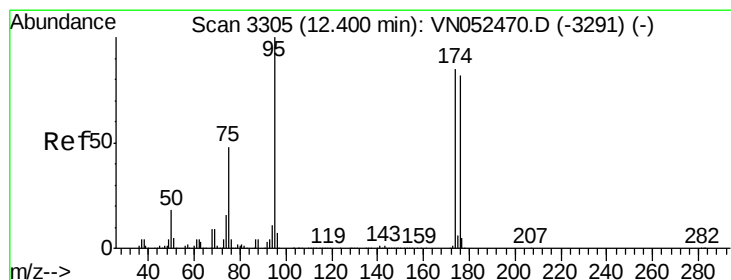
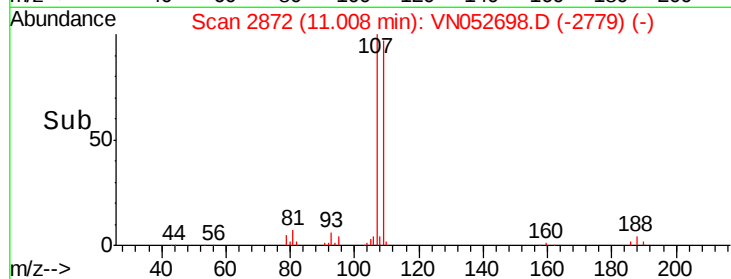
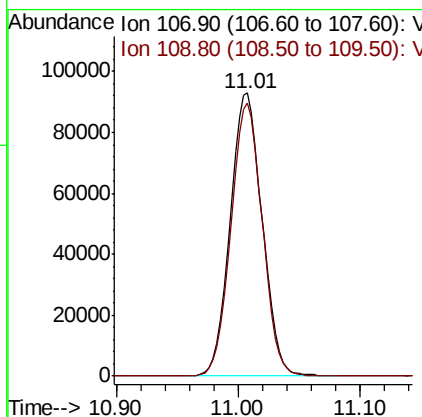
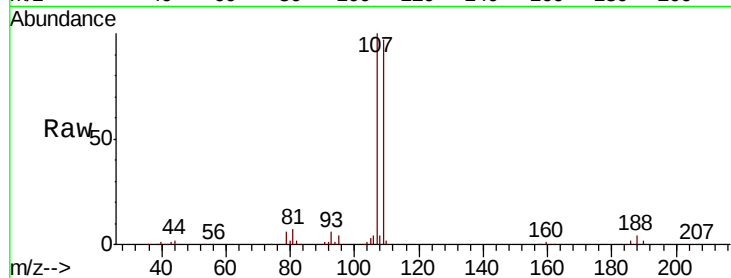
#61
 1,2-Dibromoethane
 Concen: 20.456 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.6	113.4

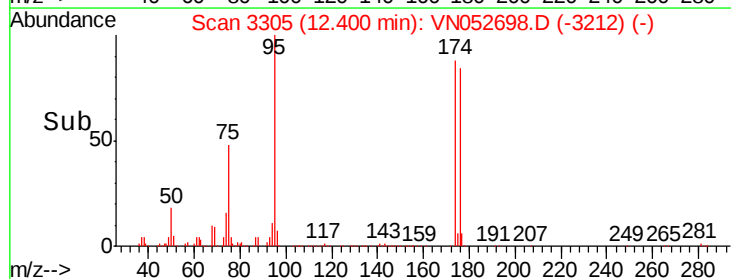
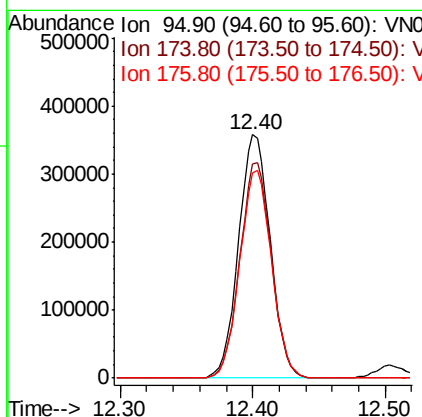
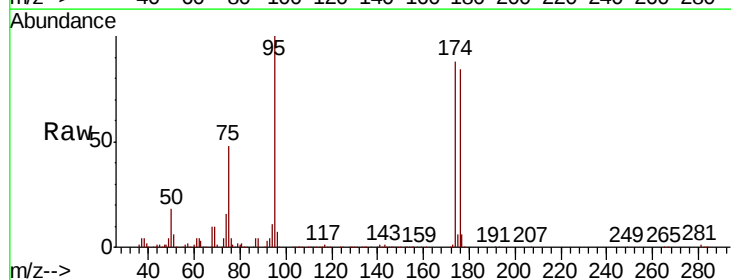
Manual Integrations
 APPROVED

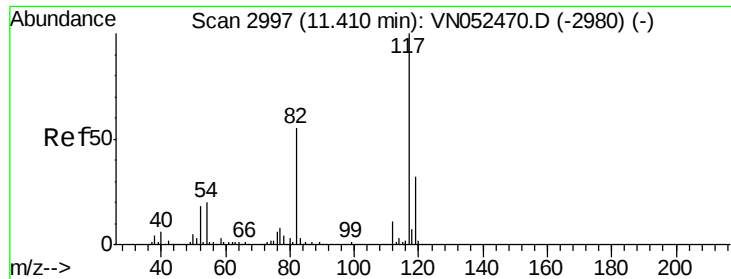
MMDadoda
 12/7/2018 1:12:49 PM



#62
 4-Bromofluorobenzene
 Concen: 20.456 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	173.0
176	85.6	0.0	166.2





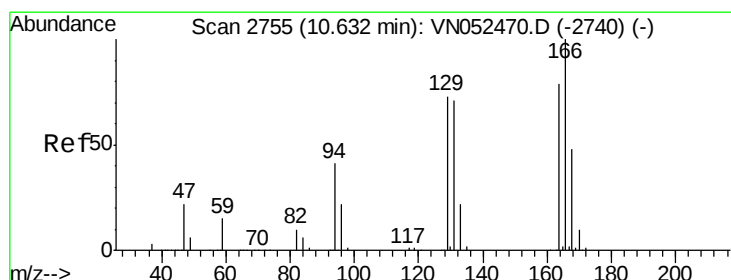
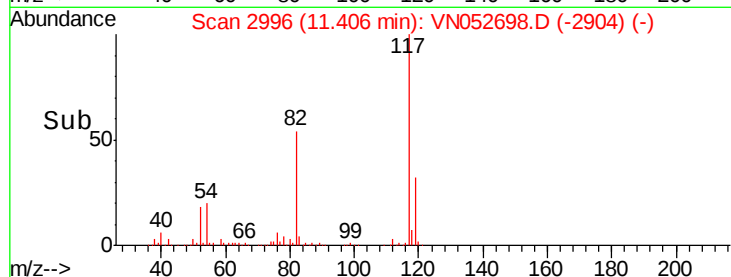
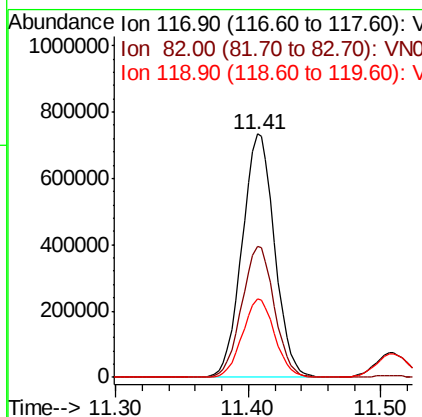
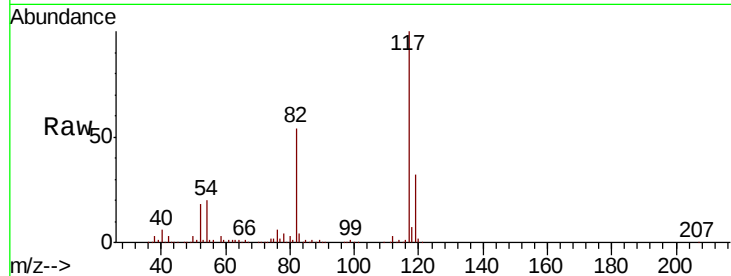
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.6	65.4
119	32.1	25.4	38.2

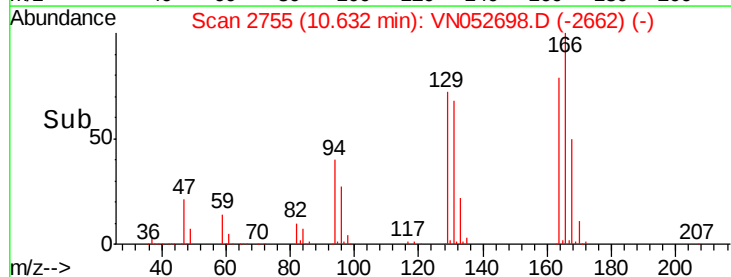
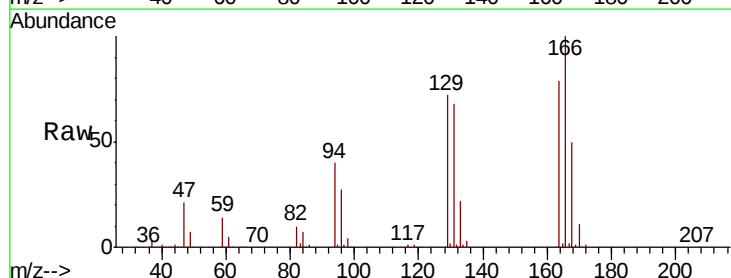
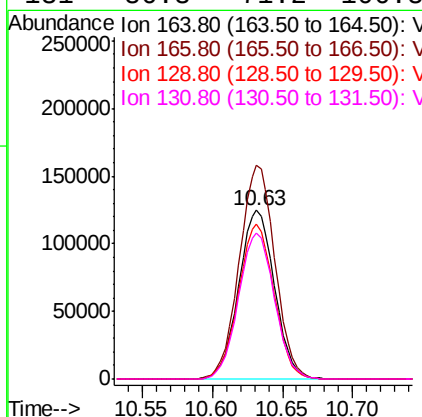
Manual Integrations
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#64
Tetrachloroethene
Concen: 22.894 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.0	151.4
129	91.5	73.8	110.6
131	86.3	71.2	106.8





#65

Chlorobenzene

Concen: 20.205 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion:112 Resp: 519269

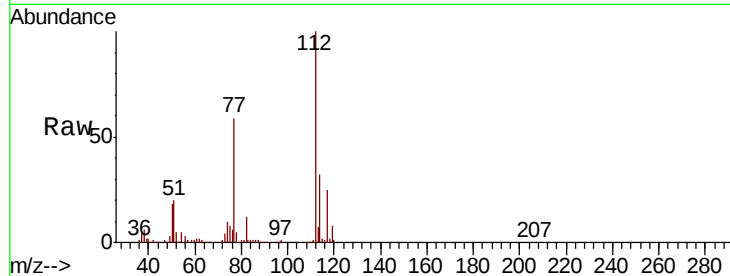
Ion Ratio Lower Upper

112 100

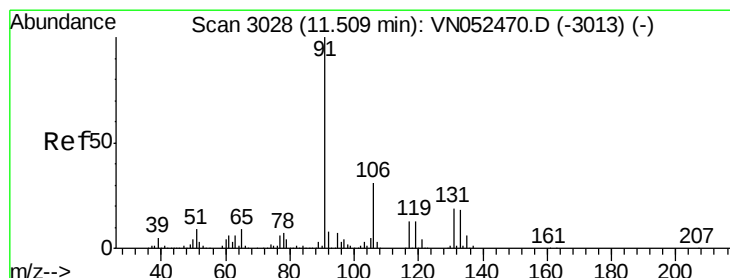
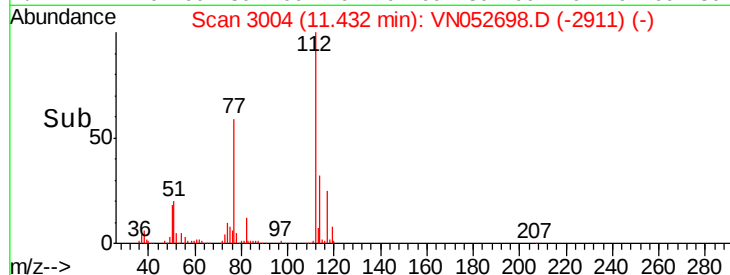
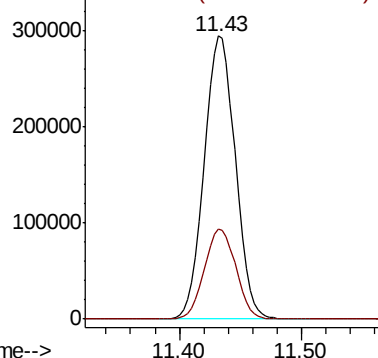
114 31.9 25.8 38.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.416 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

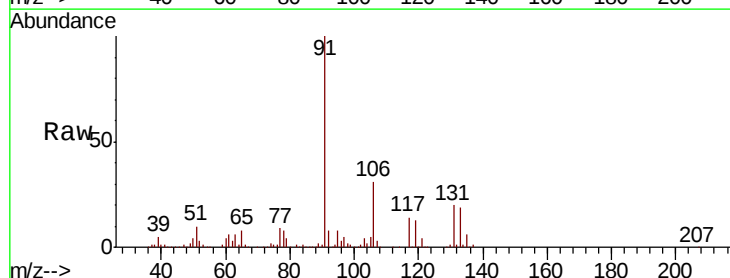
Tgt Ion:131 Resp: 182433

Ion Ratio Lower Upper

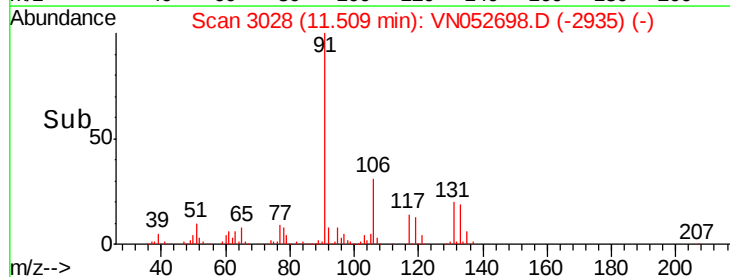
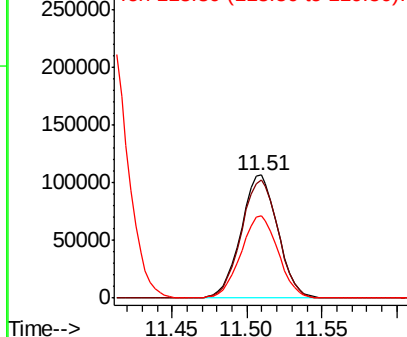
131 100

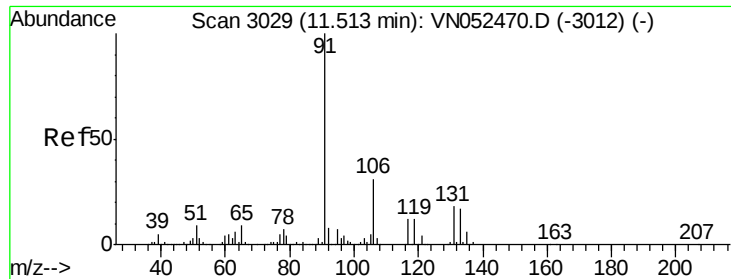
133 97.0 47.6 142.8

119 67.5 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.595 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 91 Resp: 881882

Ion Ratio Lower Upper

91 100

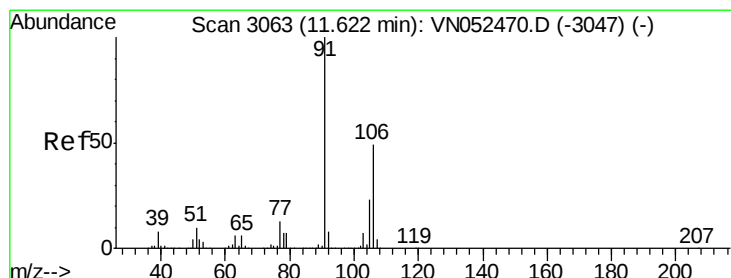
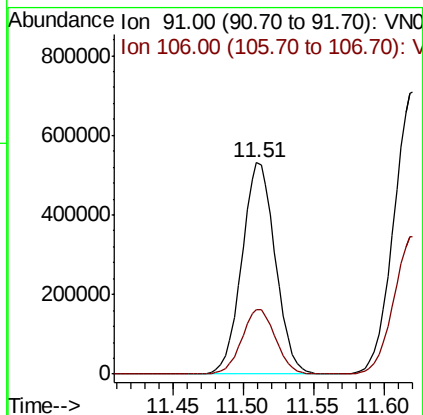
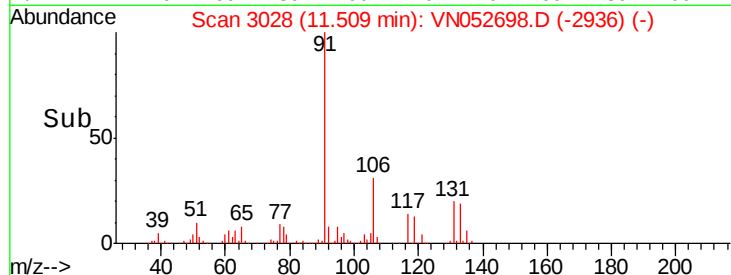
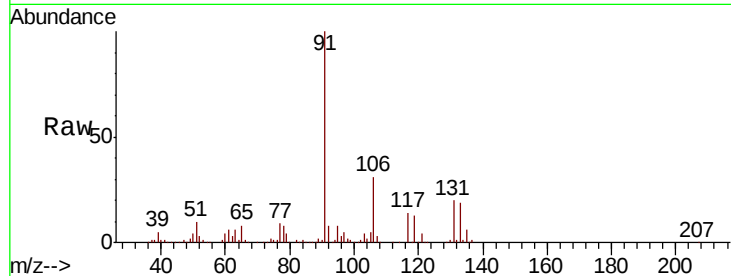
106 30.7 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.648 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052698.D

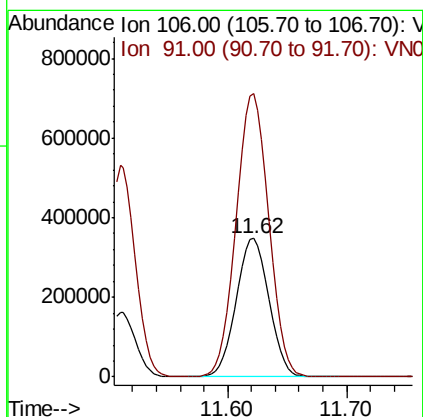
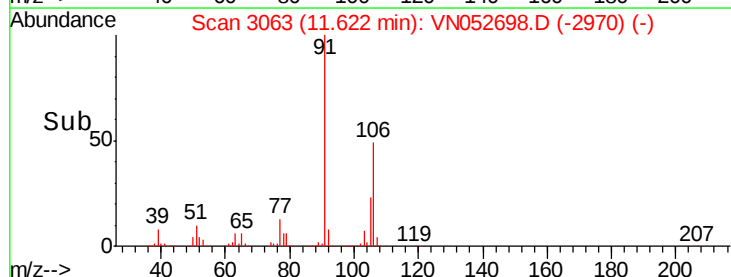
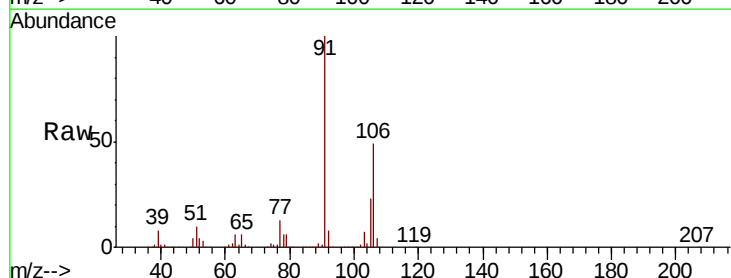
Acq: 6 Dec 2018 14:33

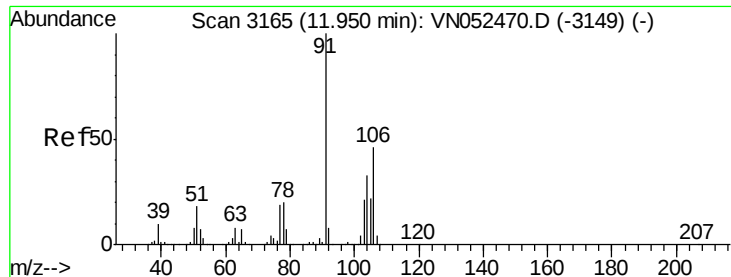
Tgt Ion: 106 Resp: 664262

Ion Ratio Lower Upper

106 100

91 203.6 163.2 244.8





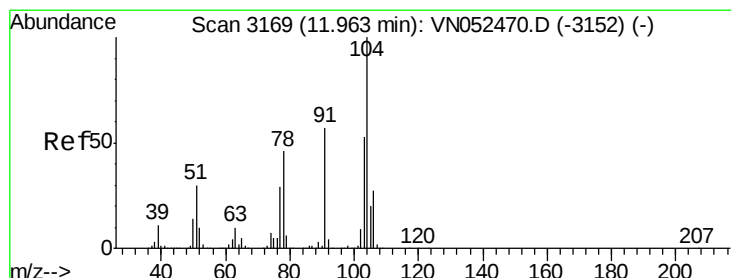
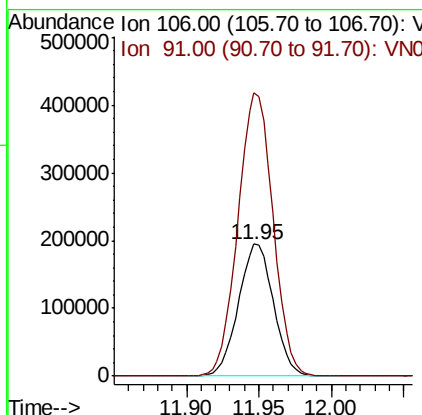
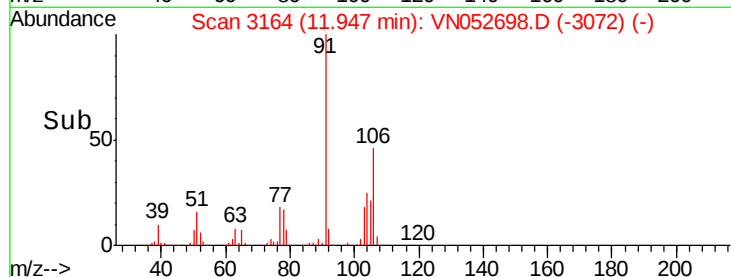
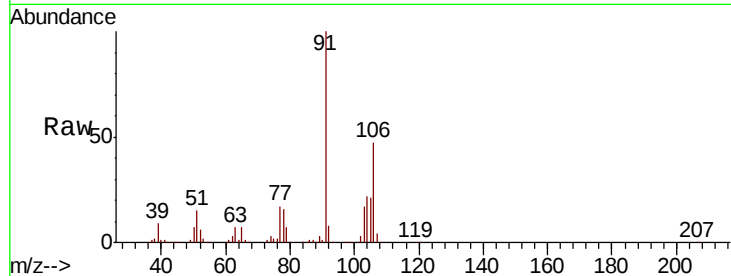
#69
o-Xylene
Concen: 20.077 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.5	107.7	323.1

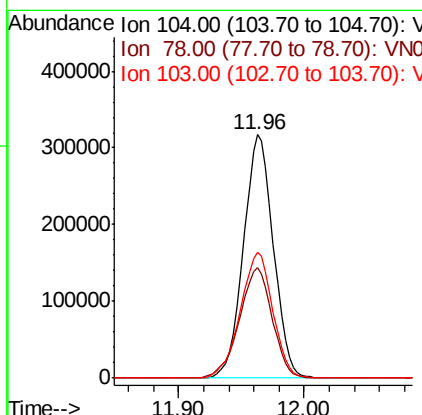
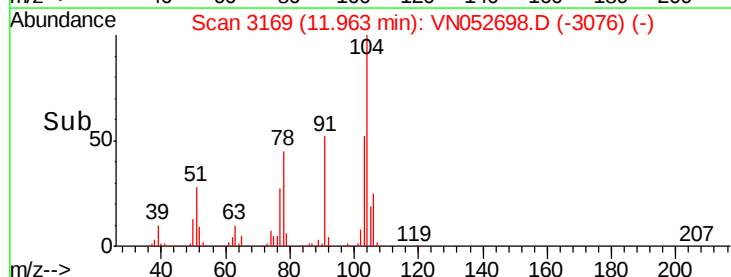
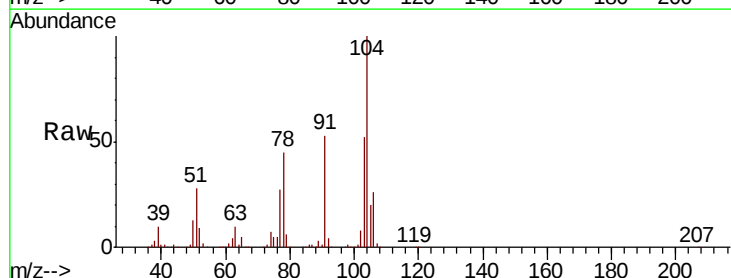
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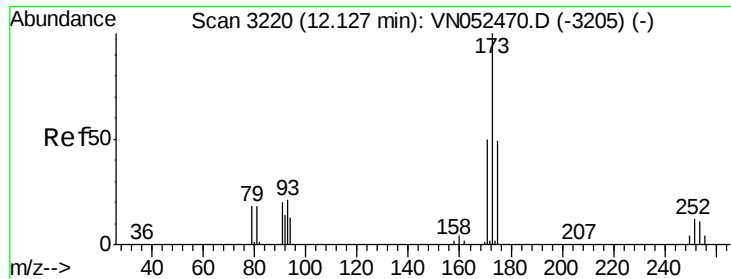
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#70
Styrene
Concen: 20.292 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.4	59.2
103	56.2	44.9	67.3





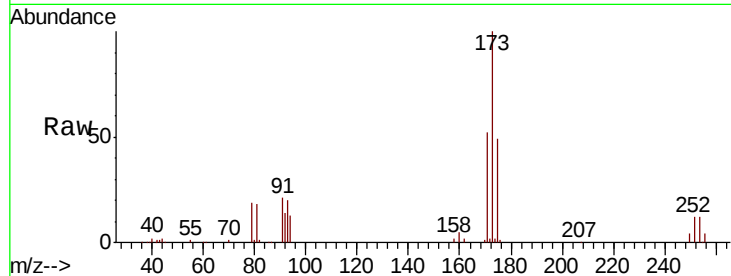
#71
Bromoform
Concen: 20.799 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

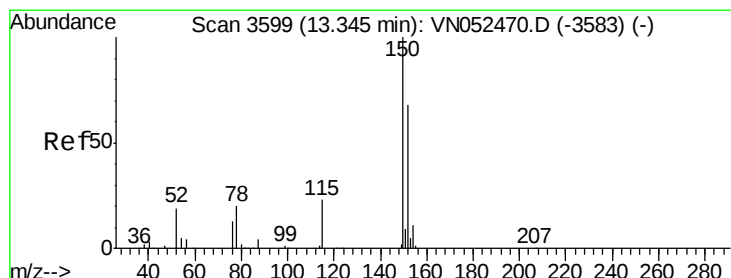
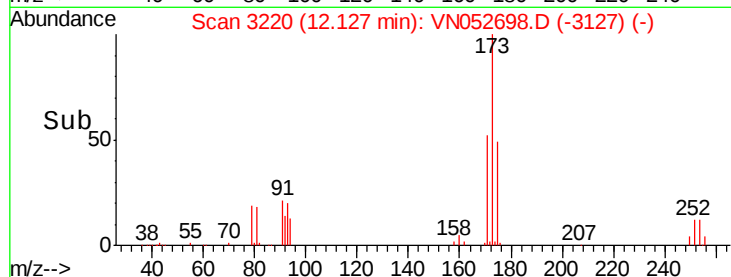
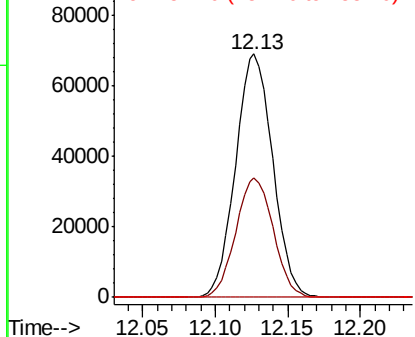
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.2
254	0.1	0.1	0.1#

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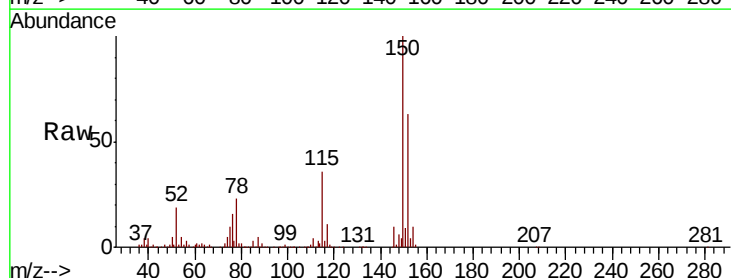


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

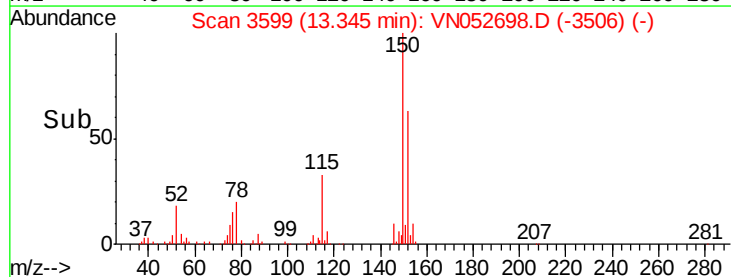
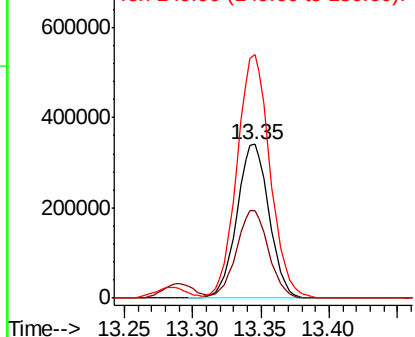


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.4	85.2
150	162.6	0.0	346.0



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: 19.939 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 105 Resp: 872909

Ion Ratio Lower Upper

105 100

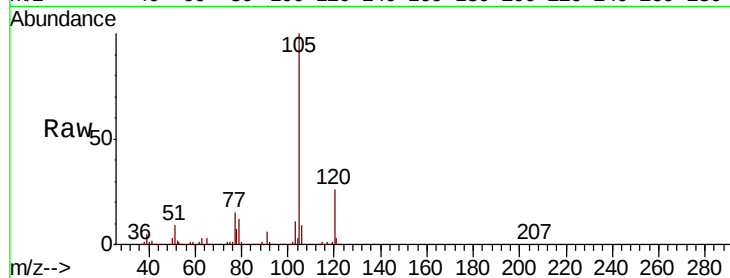
120 26.3 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

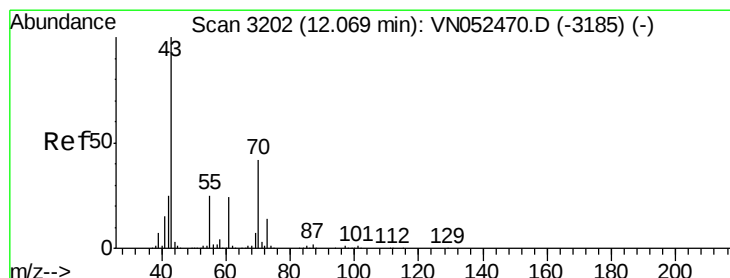
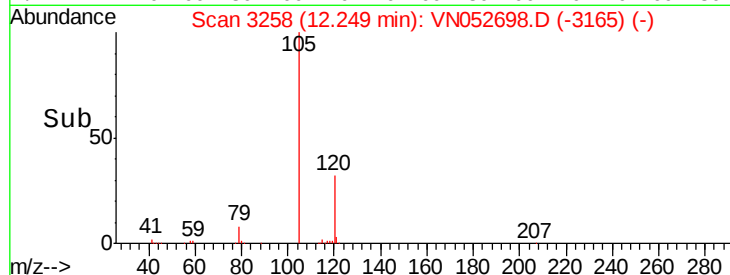
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 19.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Tgt Ion: 43 Resp: 217244

Ion Ratio Lower Upper

43 100

70 43.9 33.8 50.8

55 27.0 20.0 30.0

61 25.3 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

100000

50000

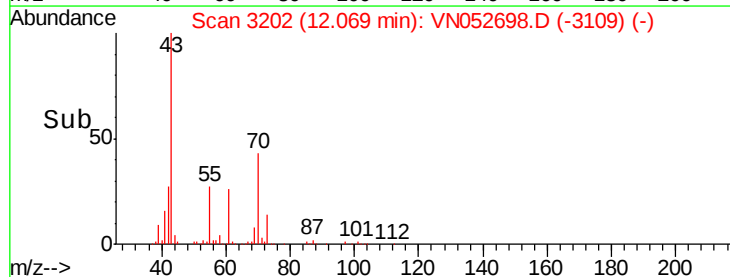
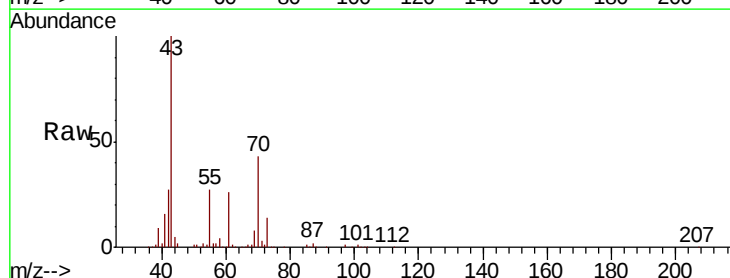
0

12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.797 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

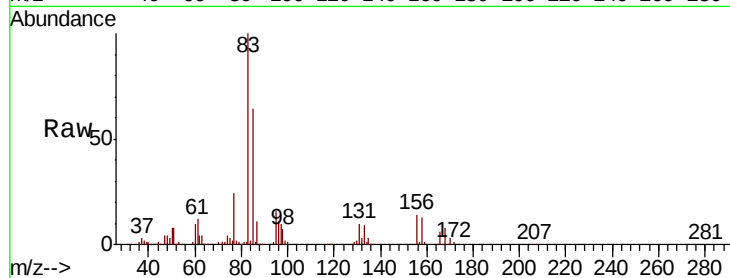
ClientSampleId :

VN1206WBSD01

Tot Ion:	83	Resp:	197156
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	65.5	31.9	95.9

Manual Integrations
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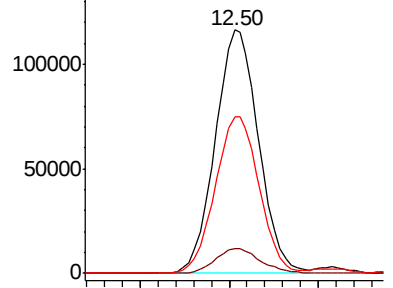
MMDadoda
12/7/2018 1:12:49 PM



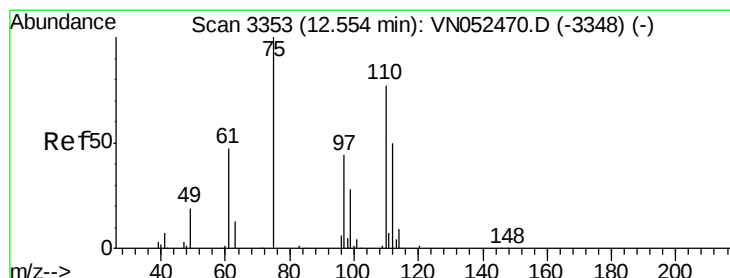
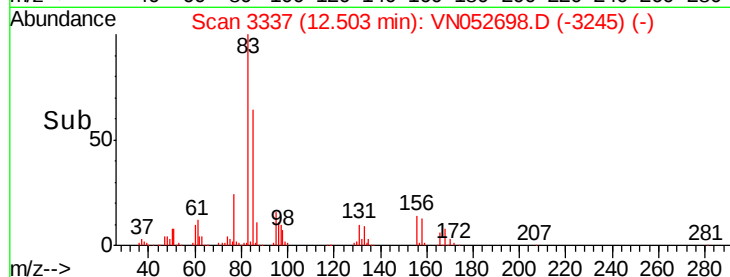
Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052470.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052470.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.983 ug/l m

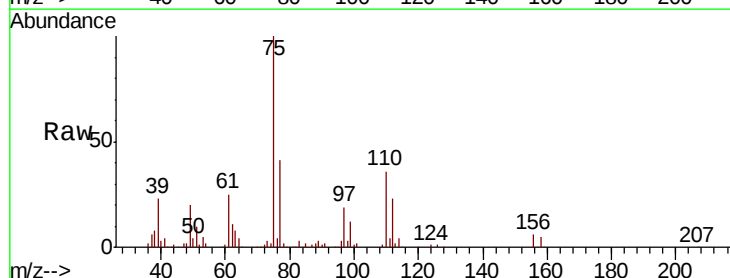
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052698.D

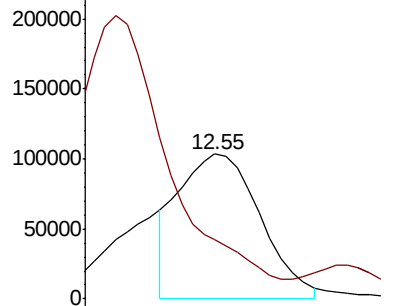
Acq: 6 Dec 2018 14:33

Tgt Ion:	75	Resp:	171949
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

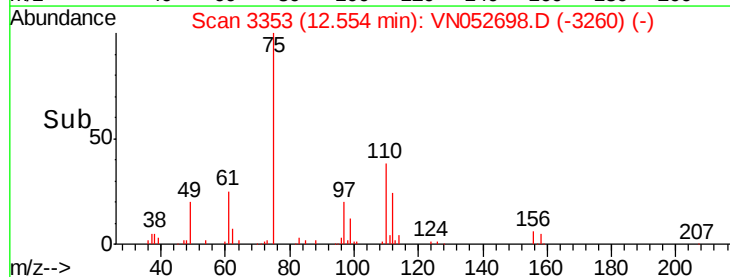


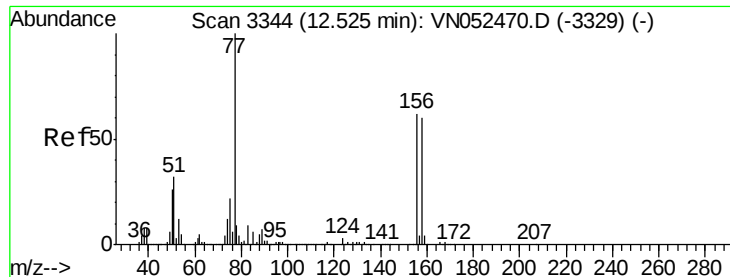
Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)



Time-->





#77

Bromobenzene

Concen: 20.248 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

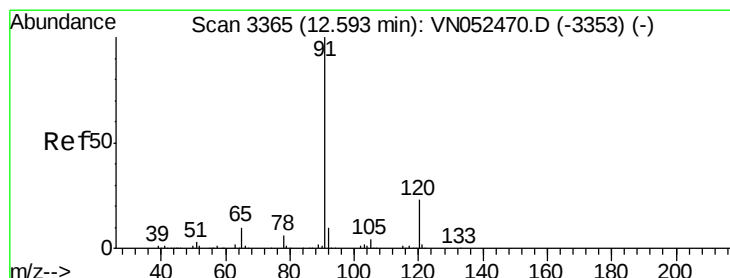
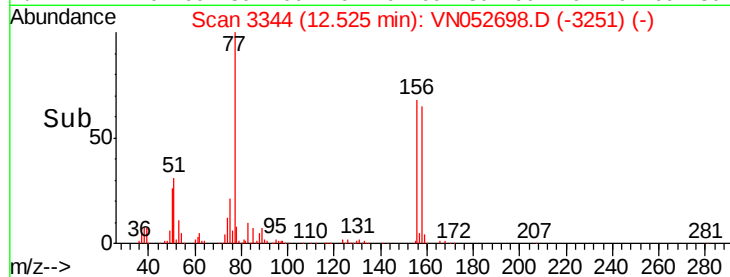
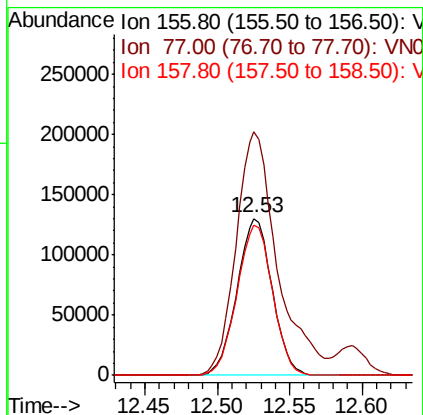
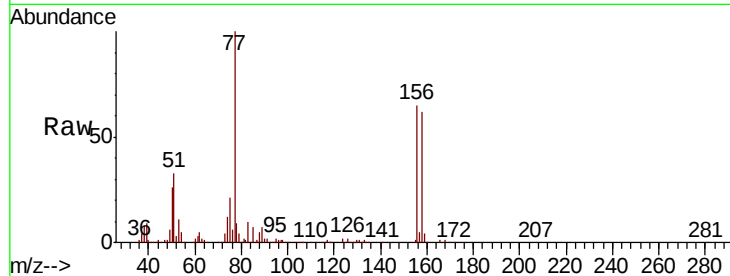
ClientSampleId :

VN1206WBSD01

Tot Ion:	156	Resp:	219102
Ion Ratio	Lower	Upper	
156	100		
77	183.4	93.5	280.4
158	97.0	48.3	144.9

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#78

n-propylbenzene

Concen: 19.628 ug/l

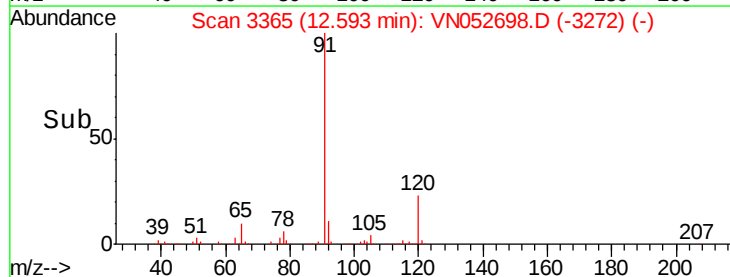
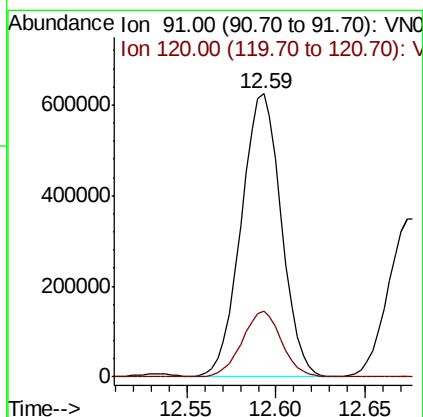
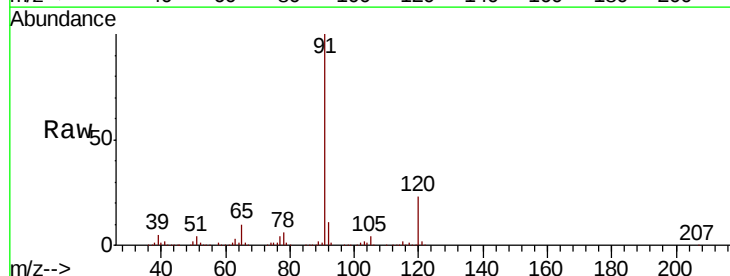
RT: 12.59 min Scan# 3365

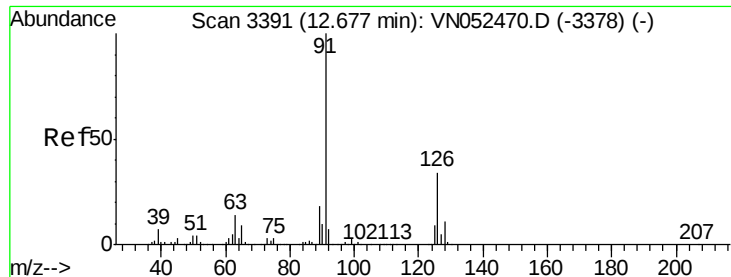
Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Tgt Ion:	91	Resp:	976195
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.779 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion: 91 Resp: 585798

Ion Ratio Lower Upper

91 100

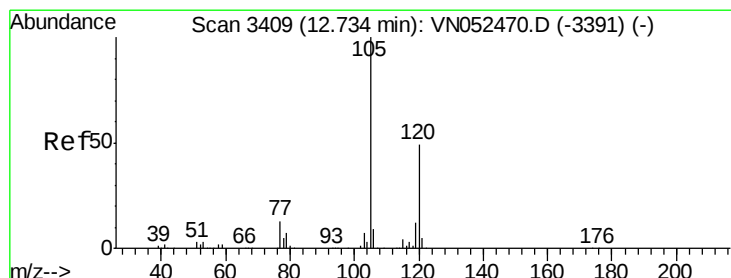
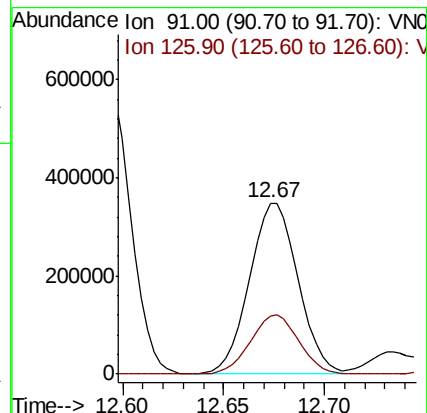
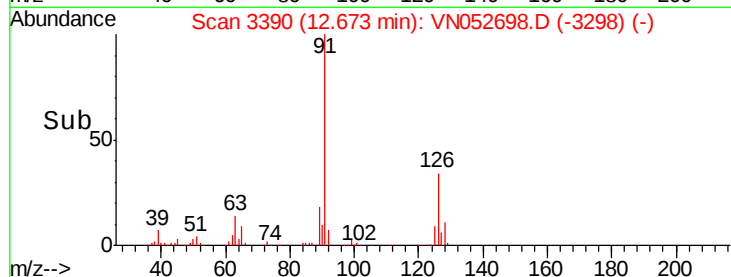
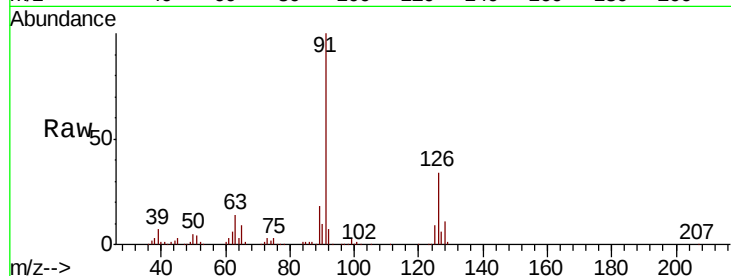
126 34.7 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.207 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052698.D

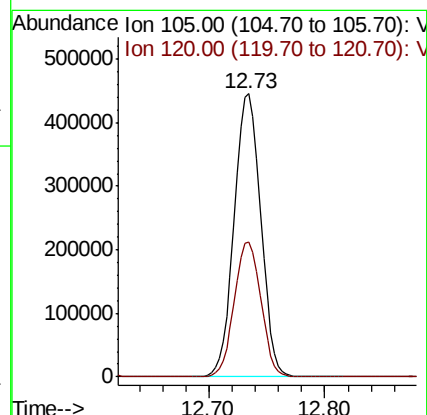
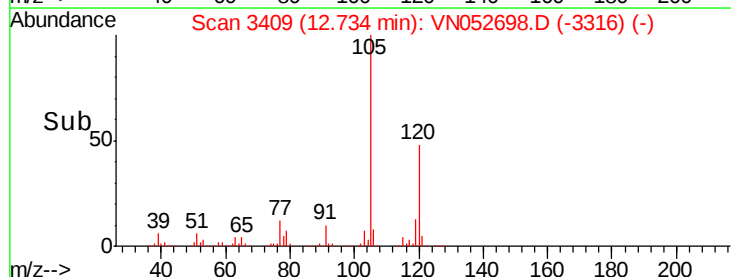
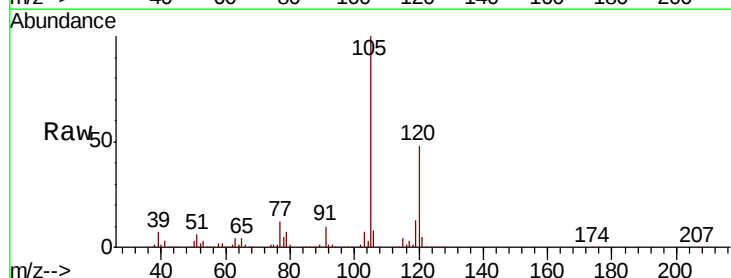
Acq: 6 Dec 2018 14:33

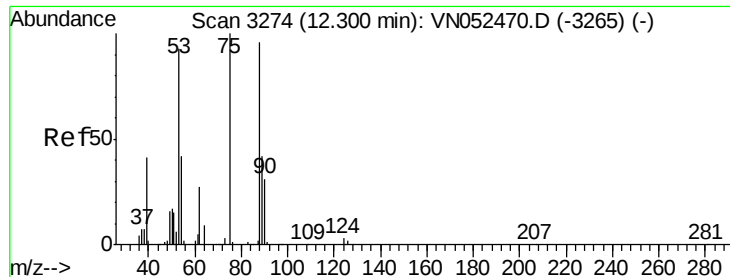
Tgt Ion: 105 Resp: 705518

Ion Ratio Lower Upper

105 100

120 47.9 24.3 73.0





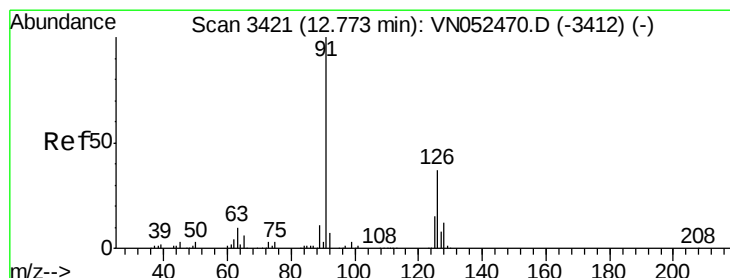
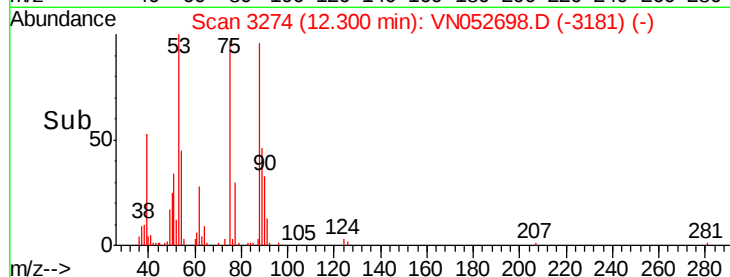
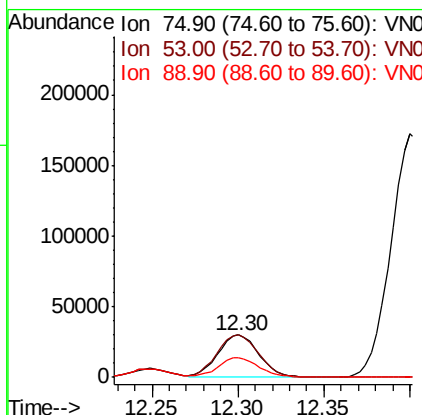
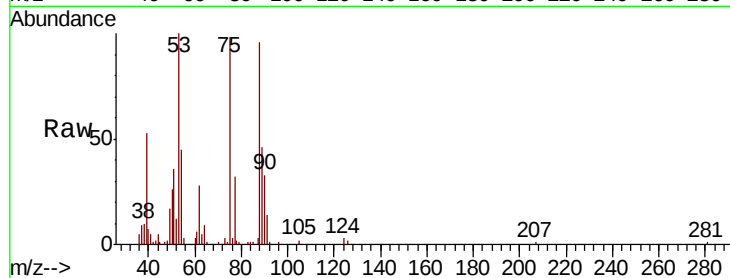
#81
trans-1,4-Dichloro-2-butene
Concen: 19.591 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	77.4	116.0
89	45.2	35.4	53.2

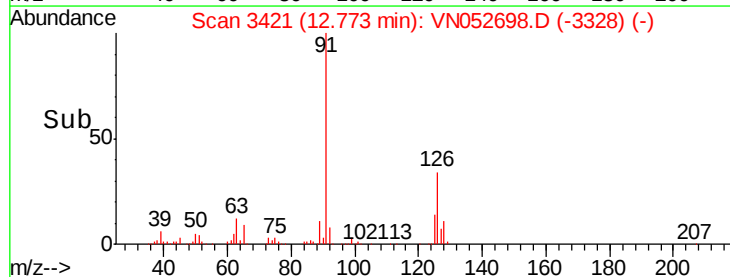
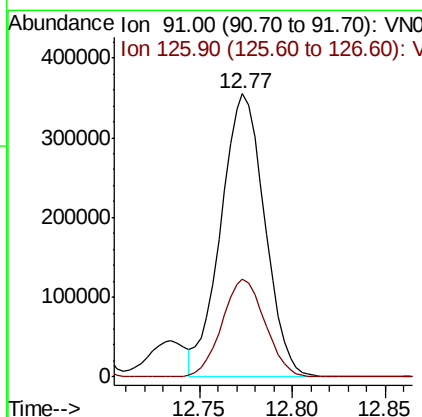
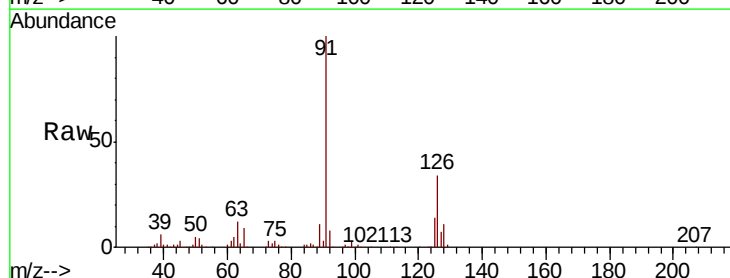
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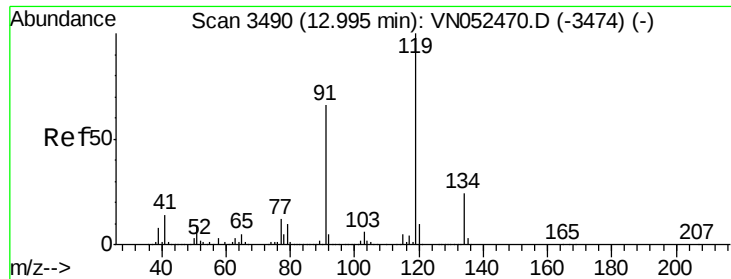
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#82
4-Chlorotoluene
Concen: 19.473 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.6





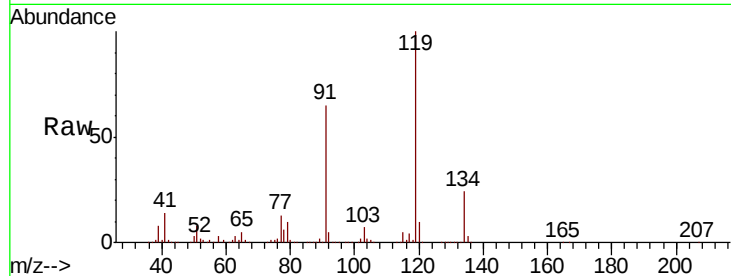
#83
tert-Butylbenzene
Concen: 19.979 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

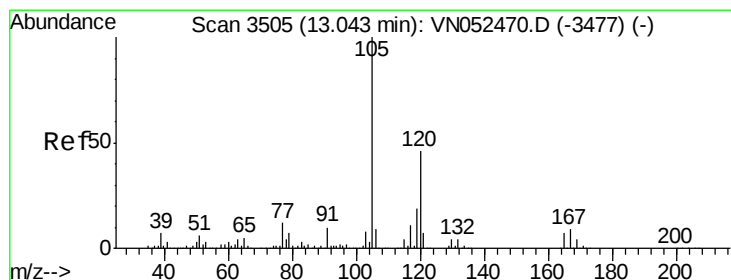
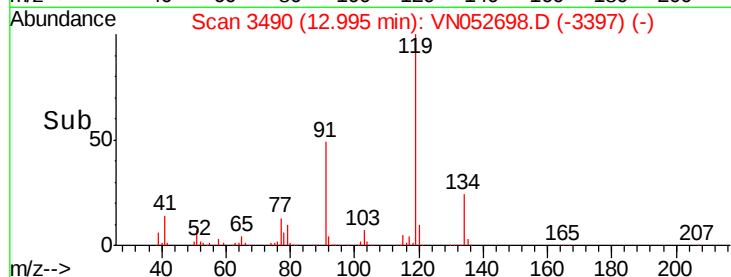
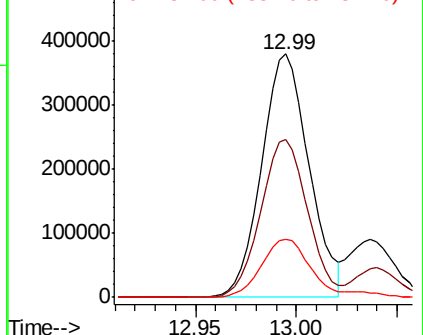
Tot Ion	Ratio	Resp	Lower	Upper
119	100	621876		
91	63.9		32.3	96.9
134	25.9		13.0	38.9

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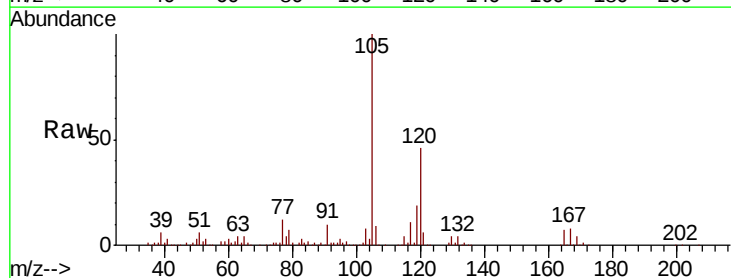


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

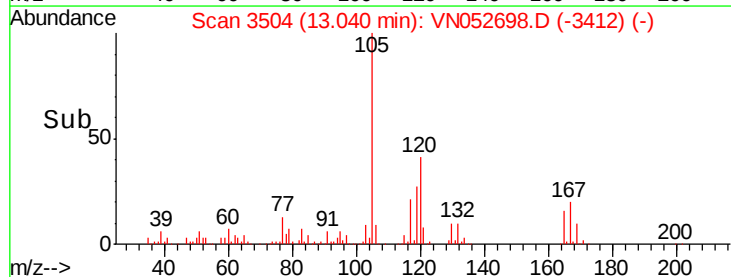
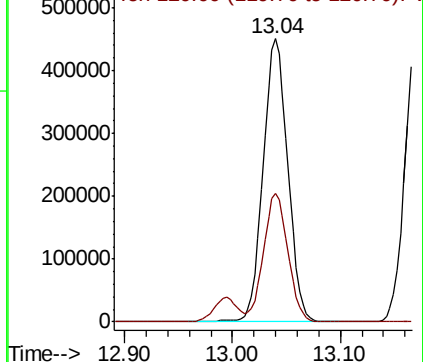


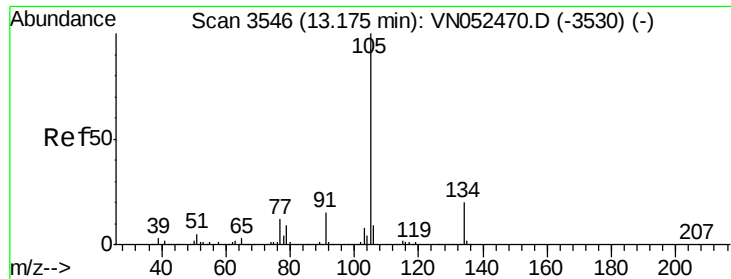
#84
1,2,4-Trimethylbenzene
Concen: 20.390 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	713450		
120	45.1		22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.895 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD01

Tot Ion:105 Resp: 843455

Ion Ratio Lower Upper

105 100

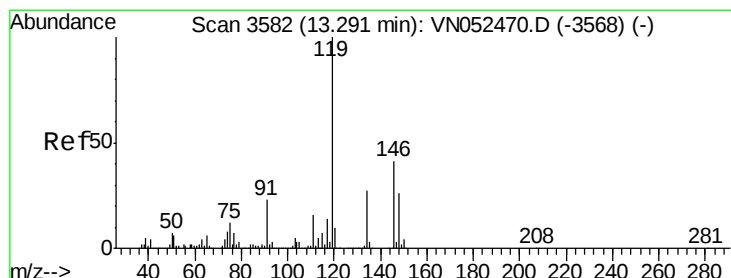
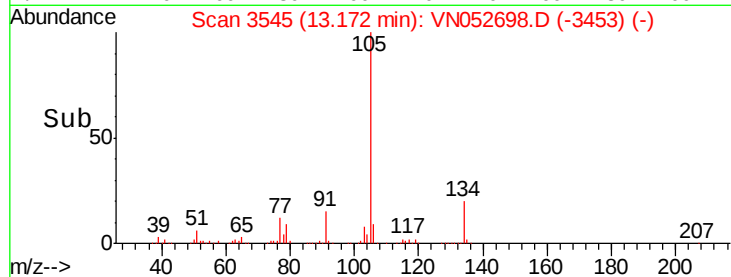
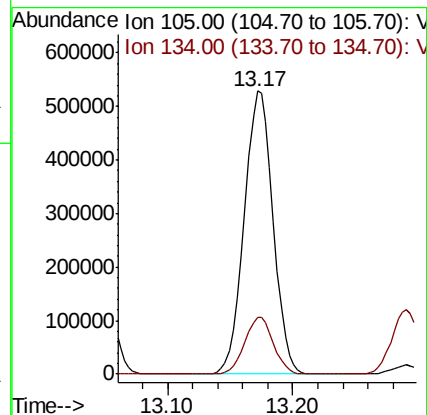
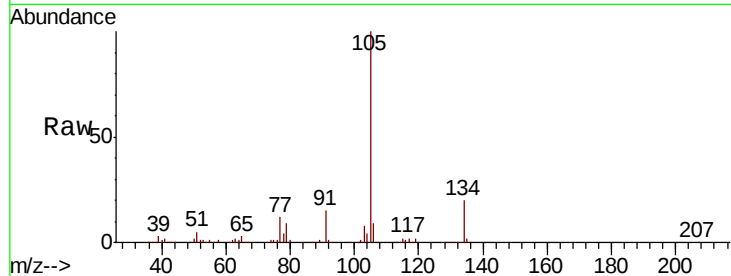
134 20.0 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 19.656 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052698.D

Acq: 6 Dec 2018 14:33

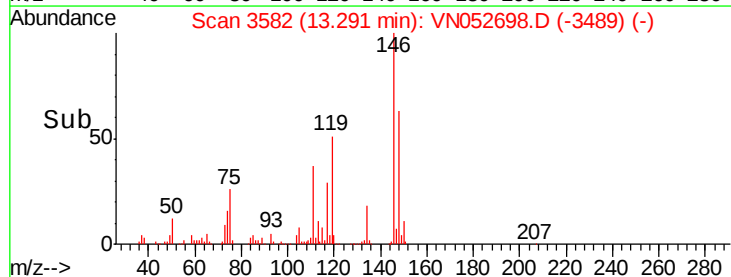
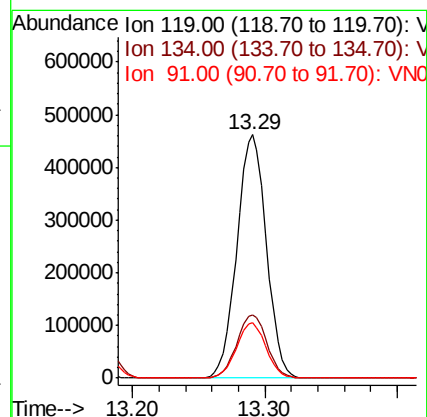
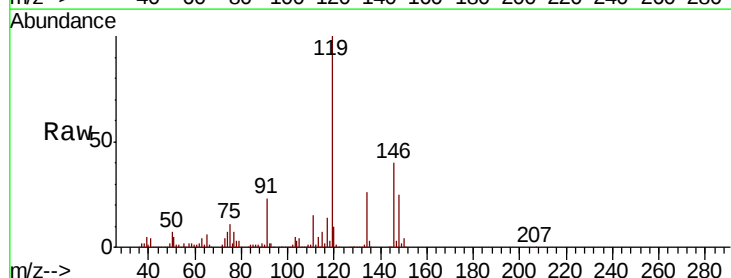
Tgt Ion:119 Resp: 709785

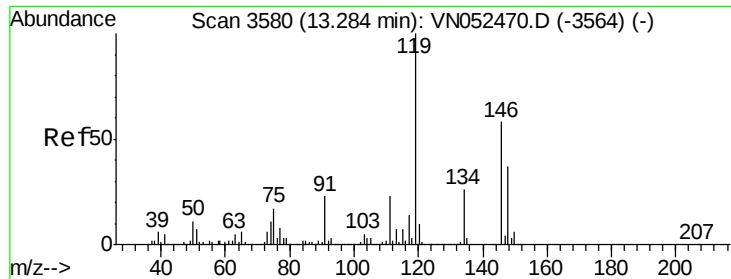
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.9 11.4 34.2





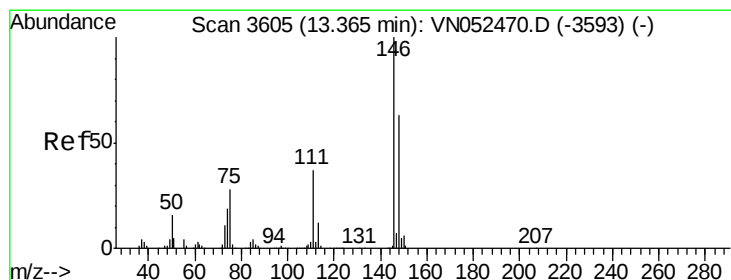
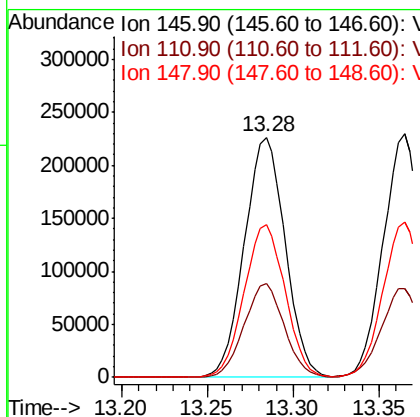
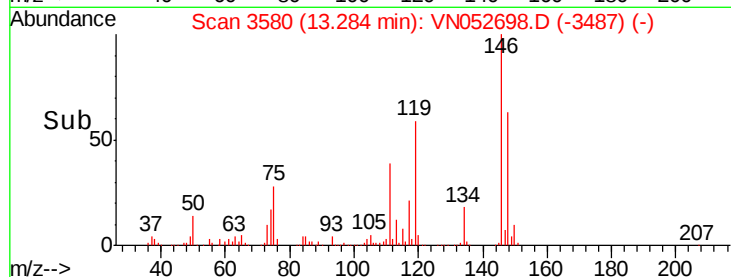
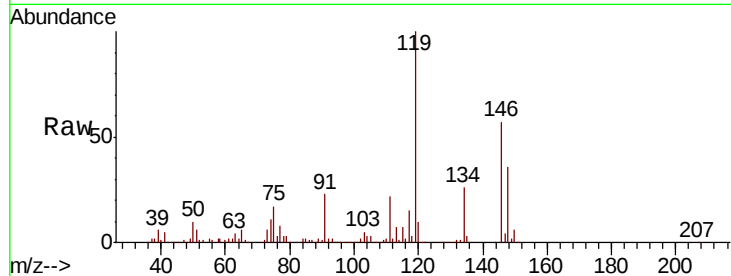
#87
 1,3-Dichlorobenzene
 Concen: 19.729 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.4
148	63.8	31.8	95.4

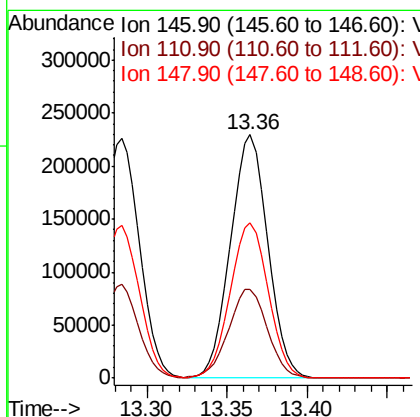
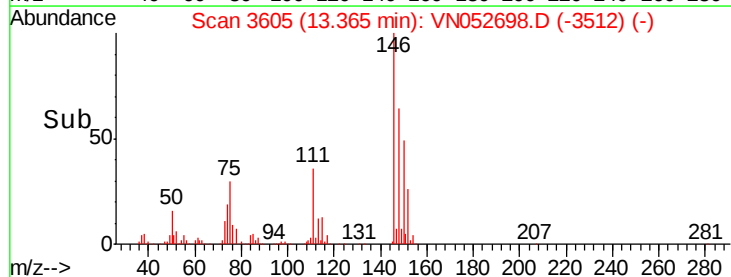
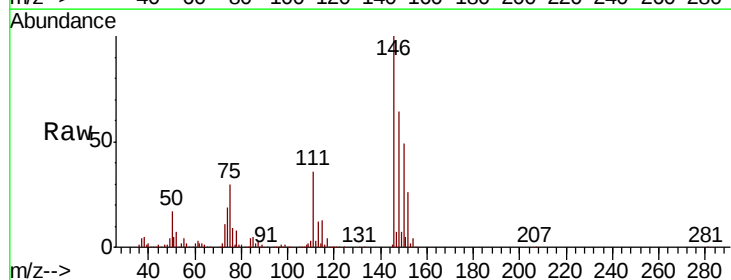
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#88
 1,4-Dichlorobenzene
 Concen: 19.587 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	56.0
148	65.0	31.9	95.9





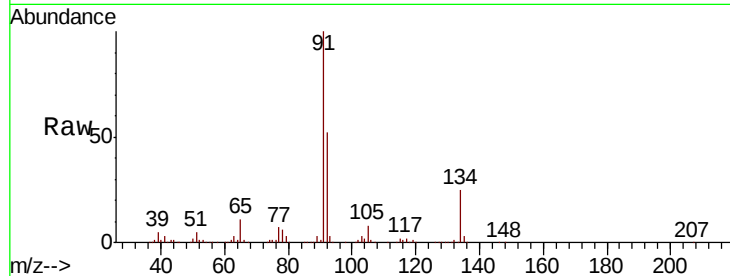
#89
n-Butylbenzene
Concen: 18.990 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

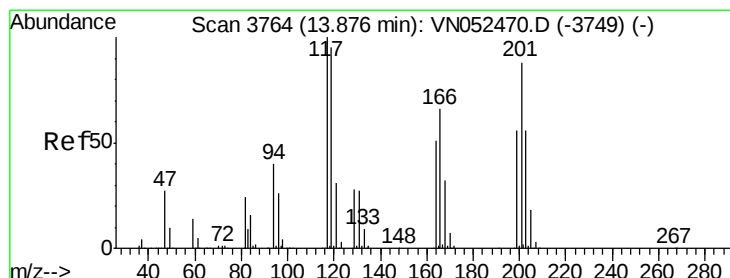
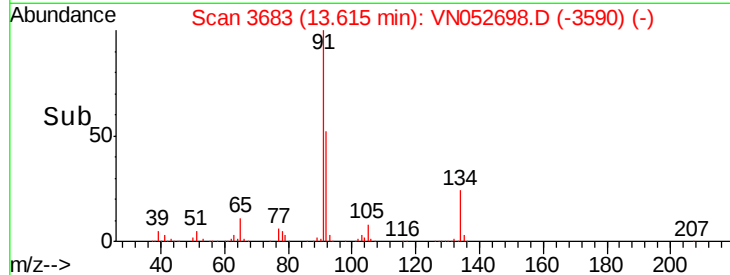
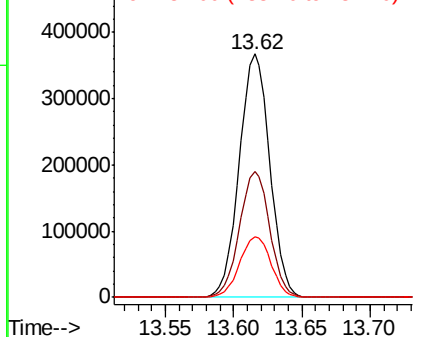
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.6	13.0	38.9

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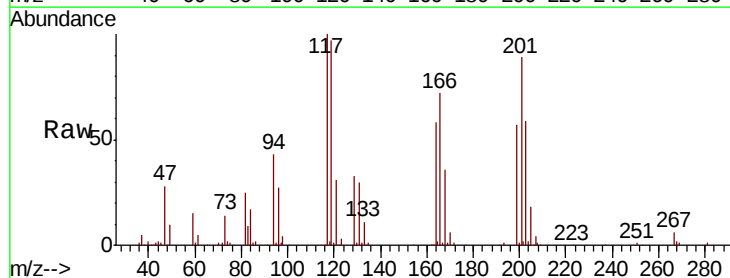


Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

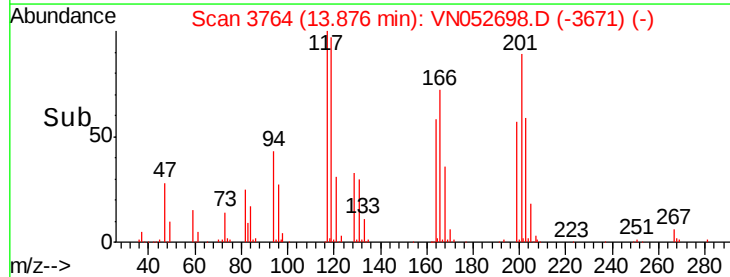
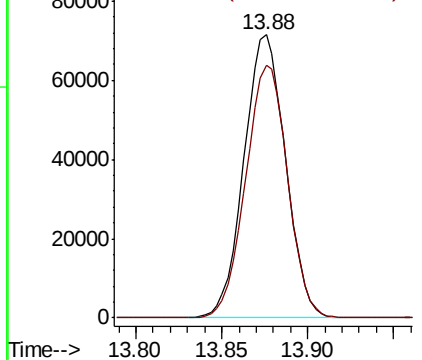


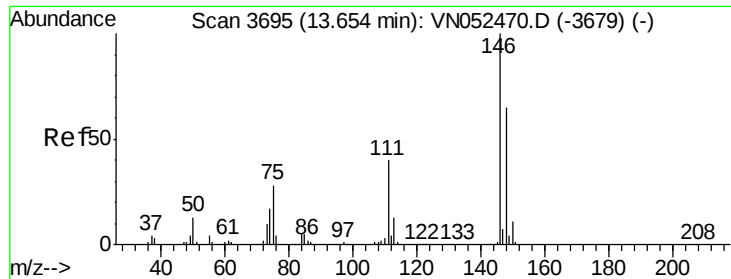
#90
Hexachloroethane
Concen: 19.634 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	43.6	130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)





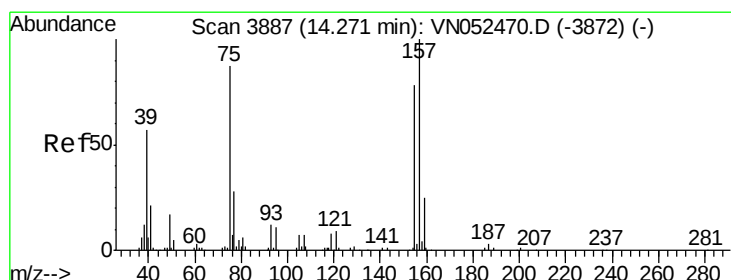
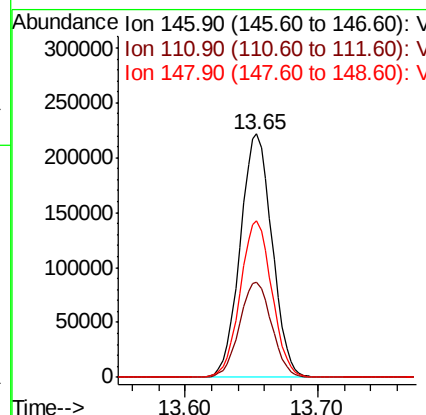
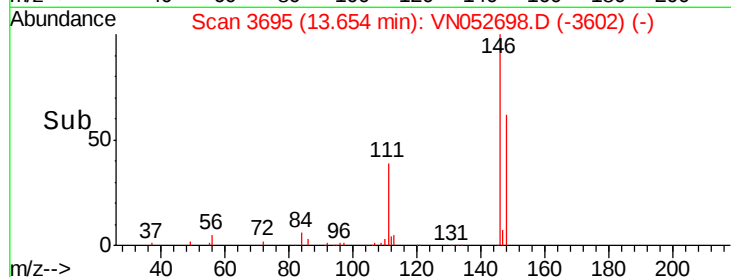
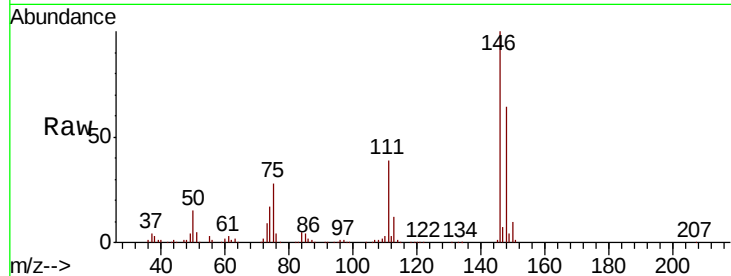
#91
 1,2-Dichlorobenzene
 Concen: 20.437 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.8	32.0	96.2

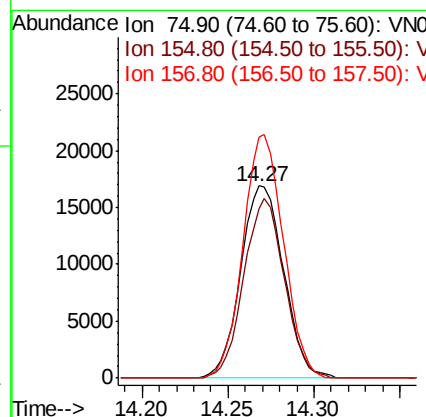
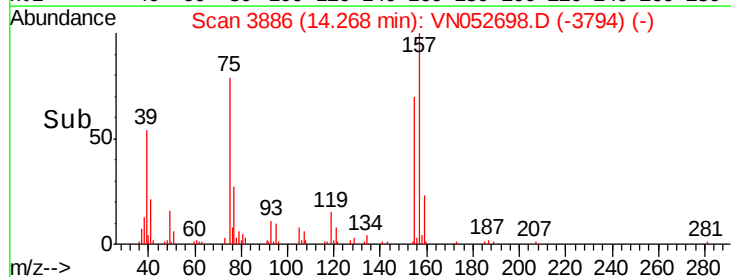
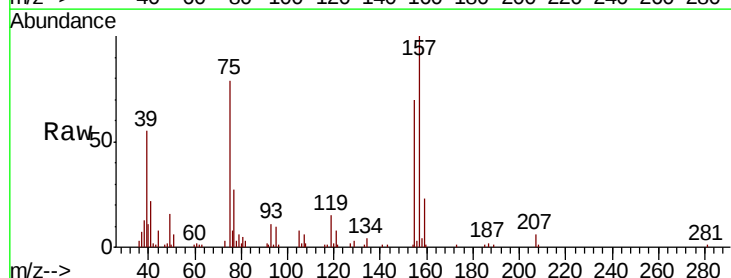
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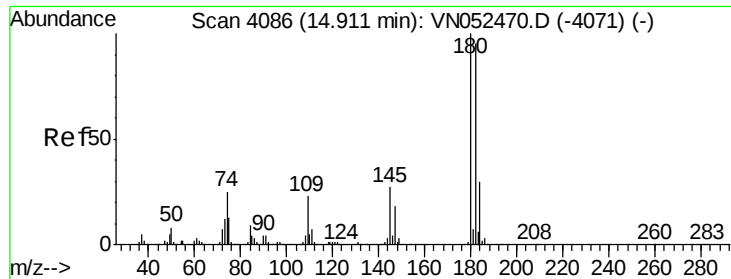
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.665 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	45.3	135.9
157	118.8	58.1	174.2





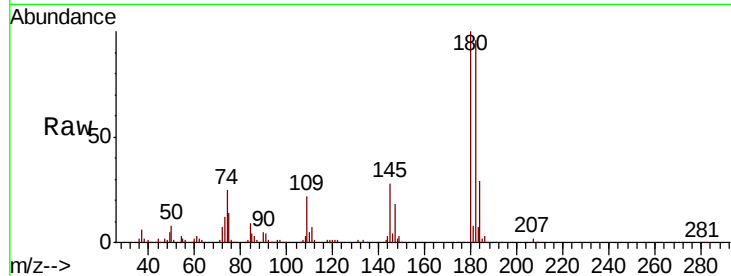
#93
 1,2,4-Trichlorobenzene
 Concen: 18.877 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

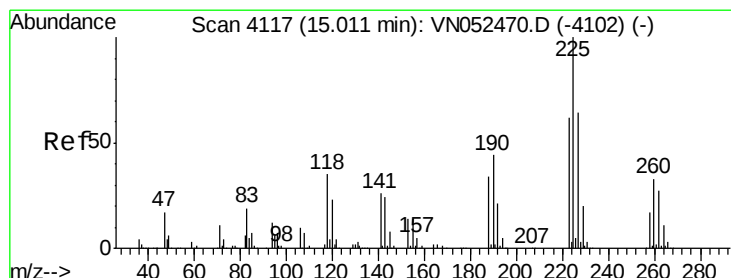
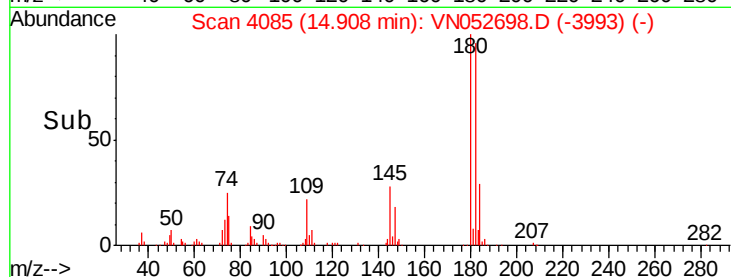
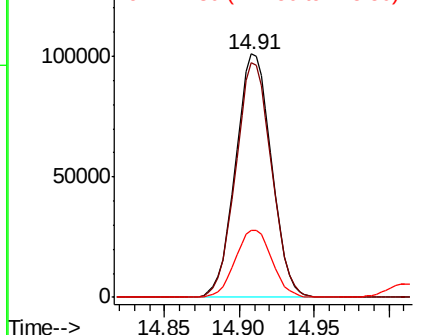
Tot Ion	Ratio	Resp	Lower	Upper
180	100	168505		
182	95.9	47.8	143.4	
145	28.2	14.1	42.3	

Manual Integrations
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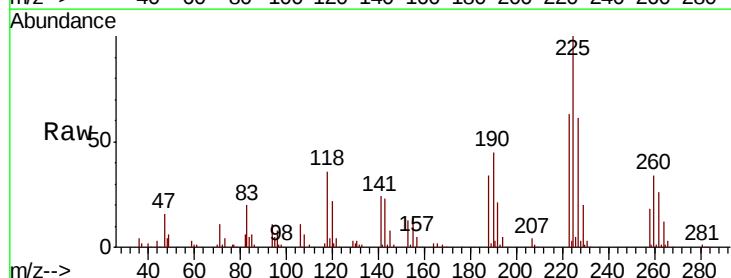


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

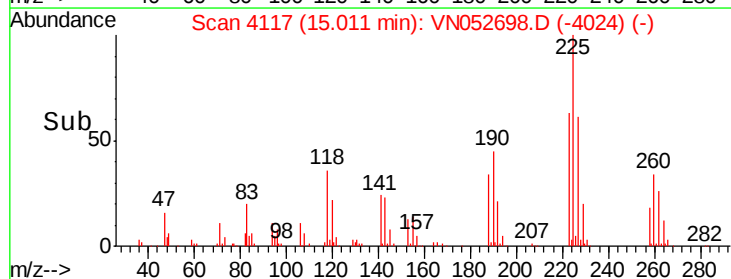
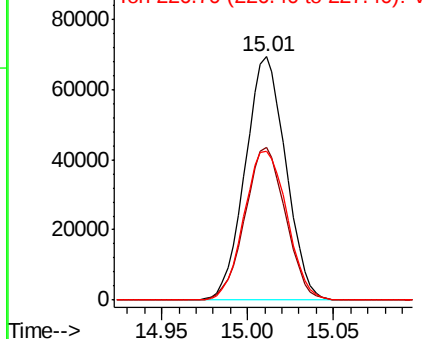


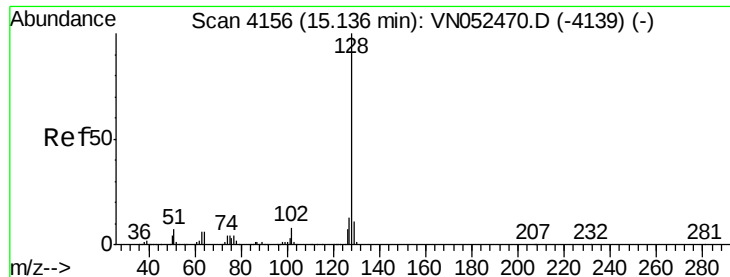
#94
 Hexachlorobutadiene
 Concen: 19.528 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052698.D
 Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113606		
223	62.6	31.4	94.2	
227	64.5	32.5	97.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





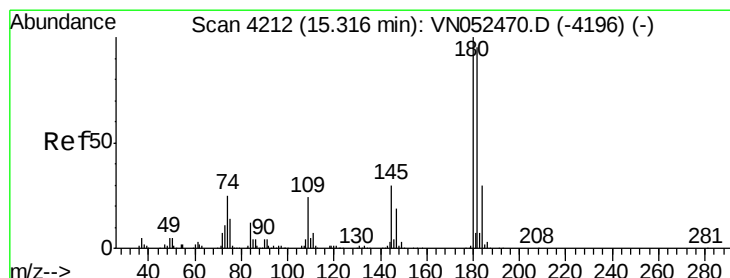
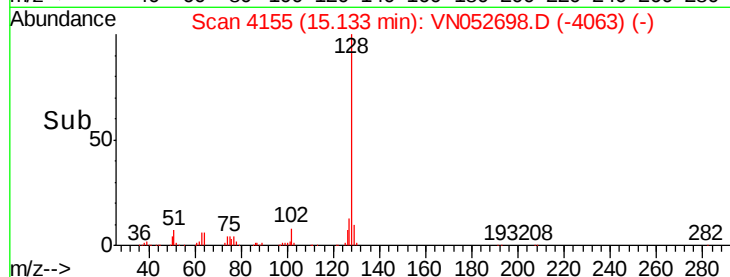
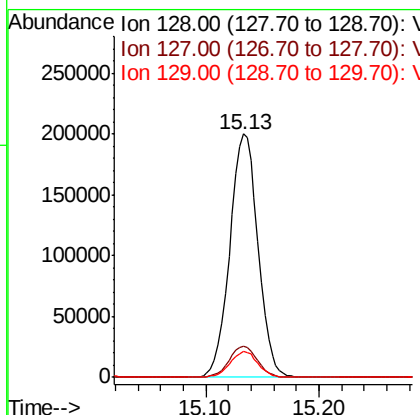
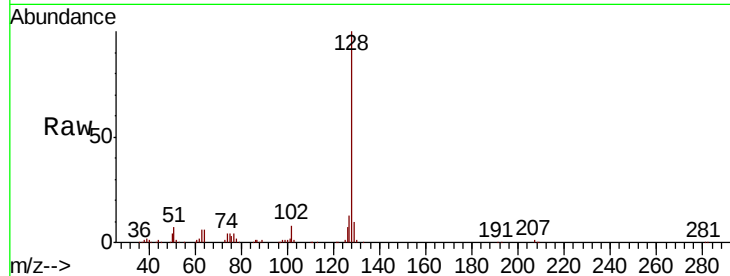
#95
Naphthalene
Concen: 18.783 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.5	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.755 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052698.D
Acq: 6 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	29.7	15.2	45.5

