

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053073.D
 Acq On : 20 Dec 2018 23:28
 Operator : MD\SY
 Sample : VN1220WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:34 AM

Quant Time: Dec 21 02:48:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1088026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1688542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1444825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	605404	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	597539	54.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.24%	
35) Dibromofluoromethane	7.59	113	470585	61.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.02%	
50) Toluene-d8	10.09	98	2118057	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	685506	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	204476	18.569	ug/l	99
3) Chloromethane	2.06	50	238548	17.877	ug/l	99
4) Vinyl Chloride	2.19	62	255525	18.908	ug/l	99
5) Bromomethane	2.58	94	169126	18.063	ug/l	99
6) Chloroethane	2.71	64	153326	19.157	ug/l	100
7) Trichlorofluoromethane	3.03	101	335686	19.939	ug/l	99
8) Diethyl Ether	3.42	74	130364	20.526	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	206689	19.256	ug/l	97
10) Methyl Iodide	3.96	142	289848	19.228	ug/l	99
11) Tert butyl alcohol	4.78	59	71260	105.774	ug/l	99
12) 1,1-Dichloroethene	3.74	96	204750	19.744	ug/l	96
13) Acrolein	3.61	56	69382	113.578	ug/l	100
14) Allyl chloride	4.33	41	306435	19.077	ug/l	98
15) Acrylonitrile	4.99	53	379491	101.393	ug/l	99
16) Acetone	3.82	43	239868	110.800	ug/l	96
17) Carbon Disulfide	4.06	76	567418	16.778	ug/l	99
18) Methyl Acetate	4.33	43	195663	20.510	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	574910	20.716	ug/l	99
20) Methylene Chloride	4.56	84	234213	19.833	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	215892	19.376	ug/l	98
22) Diisopropyl ether	5.95	45	715832	20.877	ug/l	99
23) Vinyl Acetate	5.90	43	2097234	106.371	ug/l	98
24) 1,1-Dichloroethane	5.85	63	409130	20.081	ug/l	99
25) 2-Butanone	6.84	43	397227	109.333	ug/l	98
26) 2,2-Dichloropropane	6.83	77	274935	17.677	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	253686	20.112	ug/l	98
28) Bromochloromethane	7.20	49	186076	21.076	ug/l	94
29) Tetrahydrofuran	7.21	42	280674	103.436	ug/l	96
30) Chloroform	7.37	83	408065	20.388	ug/l	98
31) Cyclohexane	7.66	56	378158	19.141	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	334159	19.599	ug/l	99
36) 1,1-Dichloropropene	7.80	75	307665	18.983	ug/l	99
37) Ethyl Acetate	6.93	43	192760	21.305	ug/l	99
38) Carbon Tetrachloride	7.78	117	286910	19.314	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346820	17.616	ug/l	99
40) Benzene	8.04	78	951220	19.732	ug/l	100
41) Methacrylonitrile	7.18	41	106643	20.400	ug/l	99
42) 1,2-Dichloroethane	8.13	62	280489	19.695	ug/l	98
43) Isopropyl Acetate	8.17	43	361591	20.026	ug/l	100
44) Trichloroethene	8.84	130	261281	18.738	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252839	20.136	ug/l	98
46) Dibromomethane	9.21	93	145273	19.860	ug/l	98
47) Bromodichloromethane	9.40	83	303245	19.503	ug/l	100
48) Methyl methacrylate	9.20	41	174793	19.909	ug/l	97
49) 1,4-Dioxane	9.20	88	41382	372.620	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	917350	104.698	ug/l	99
52) Toluene	10.16	92	575360	19.255	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	302583	18.506	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	358187	19.086	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	211437	20.283	ug/l	98
56) Ethyl methacrylate	10.43	69	279806	20.279	ug/l	96
57) 1,3-Dichloropropane	10.71	76	357704	20.010	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	784809	103.607	ug/l	98
59) 2-Hexanone	10.75	43	599253	101.086	ug/l	98
60) Dibromochloromethane	10.90	129	224647	18.827	ug/l	100
61) 1,2-Dibromoethane	11.01	107	205589	19.419	ug/l	100
64) Tetrachloroethene	10.63	164	292083	18.663	ug/l	98
65) Chlorobenzene	11.43	112	621866	19.417	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	221575	19.894	ug/l	99
67) Ethyl Benzene	11.51	91	1064252	19.322	ug/l	99
68) m/p-Xylenes	11.62	106	792969	37.871	ug/l	100
69) o-Xylene	11.95	106	388706	19.346	ug/l	100
70) Styrene	11.96	104	631414	19.272	ug/l	99
71) Bromoform	12.13	173	146627	18.224	ug/l	100
73) Isopropylbenzene	12.25	105	1027593	21.694	ug/l	99
74) N-amyl acetate	12.07	43	289673	22.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	221231	23.807	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	211276m	20.731	ug/l	
77) Bromobenzene	12.53	156	258375	20.984	ug/l	99
78) n-propylbenzene	12.59	91	1117726	20.719	ug/l	99
79) 2-Chlorotoluene	12.67	91	665019	19.887	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	787911	20.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60722	19.204	ug/l	98
82) 4-Chlorotoluene	12.77	91	668515	20.423	ug/l	100
83) tert-Butylbenzene	12.99	119	706462	20.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	780051	20.098	ug/l	100
85) sec-Butylbenzene	13.17	105	915974	19.832	ug/l	100
86) p-Isopropyltoluene	13.29	119	769084	19.271	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	424402	19.475	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	412492	18.691	ug/l	99
89) n-Butylbenzene	13.62	91	594802	17.324	ug/l	100
90) Hexachloroethane	13.88	117	115046	18.785	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	401894	19.595	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30637	19.067	ug/l	98

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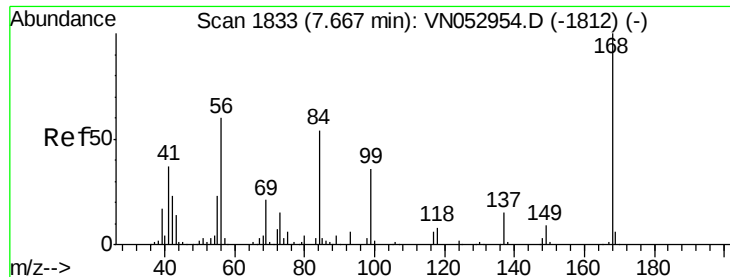
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198185	18.617	ug/l	98
94) Hexachlorobutadiene	15.01	225	116091	18.845	ug/l	99
95) Naphthalene	15.13	128	431639	18.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	179360	18.652	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion:168 Resp: 1088026

Ion Ratio Lower Upper

168 100

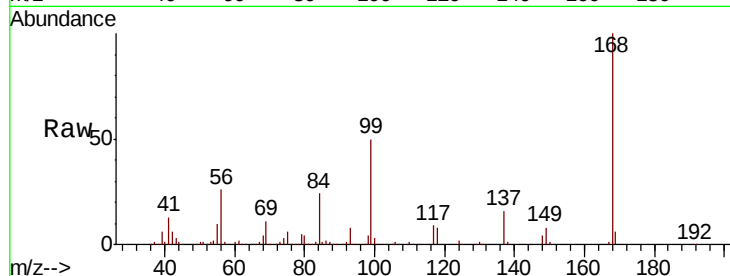
99 49.8 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

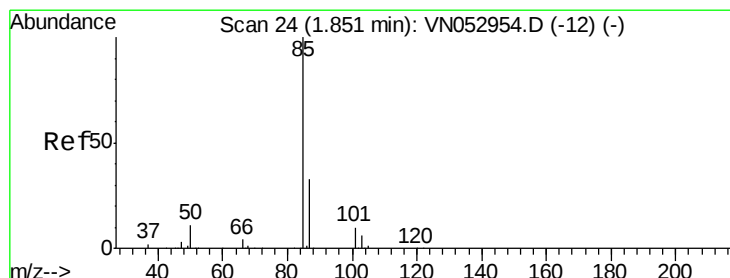
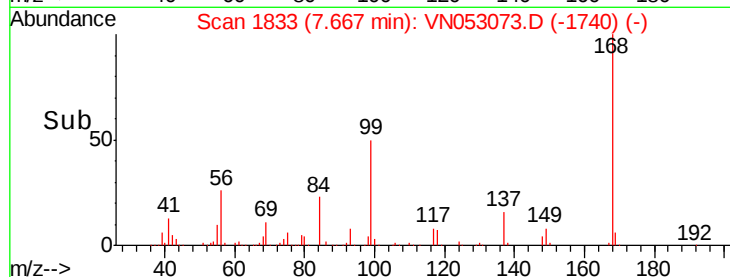
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.569 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053073.D

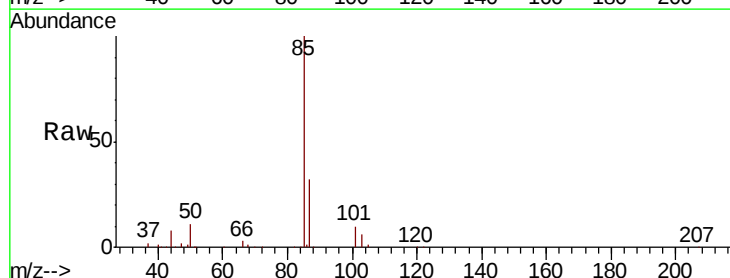
Acq: 20 Dec 2018 23:28

Tgt Ion: 85 Resp: 204476

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

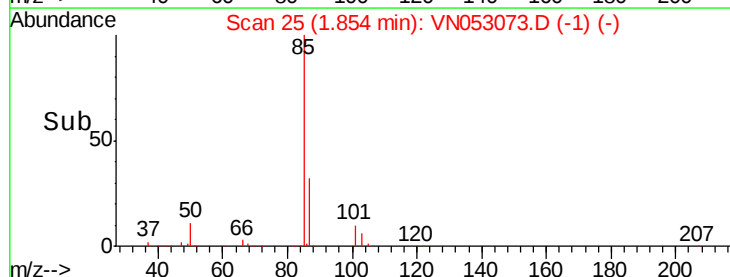
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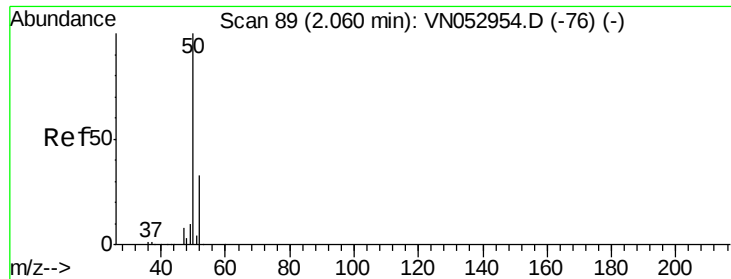
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.877 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion: 50 Resp: 238548

Ion Ratio Lower Upper

50 100

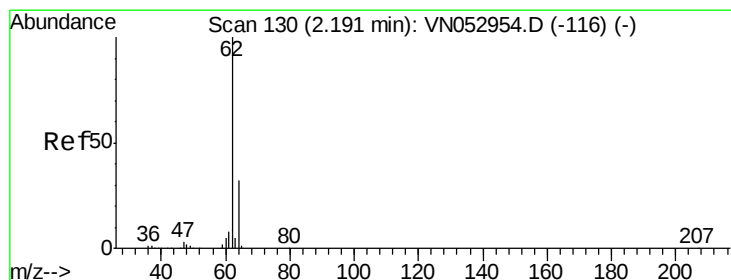
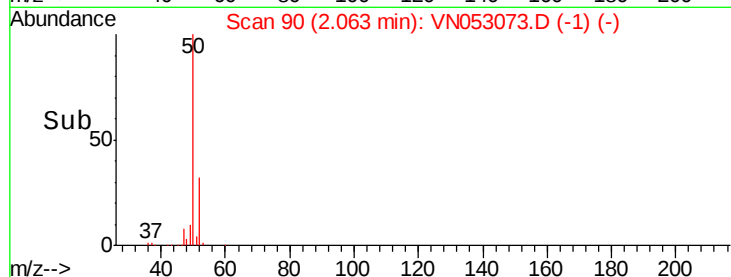
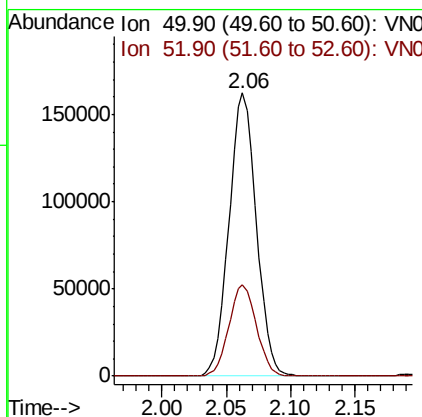
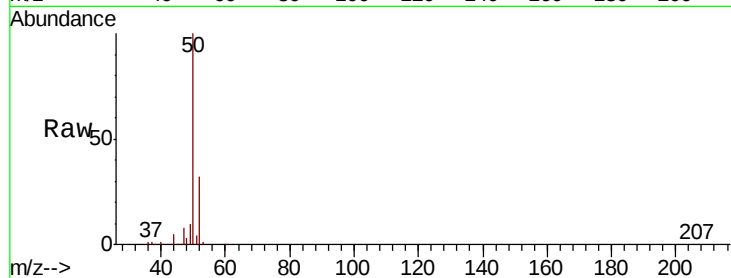
52 32.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.908 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053073.D

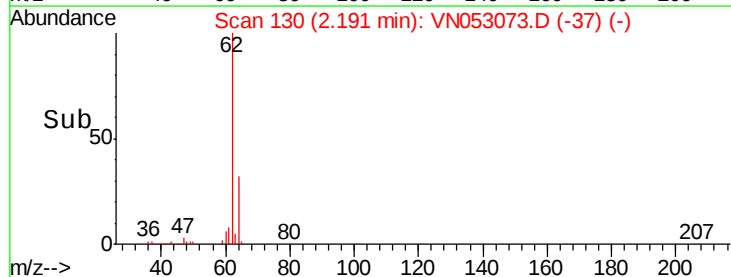
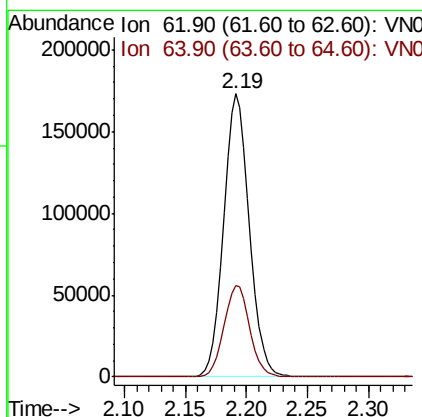
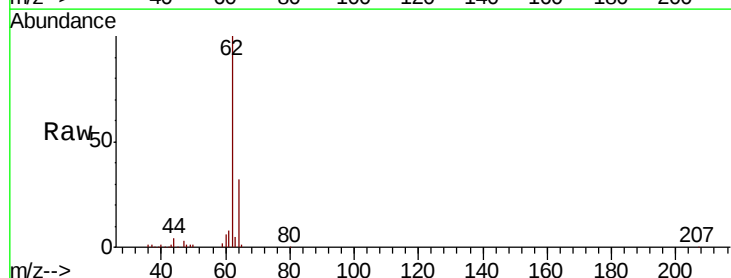
Acq: 20 Dec 2018 23:28

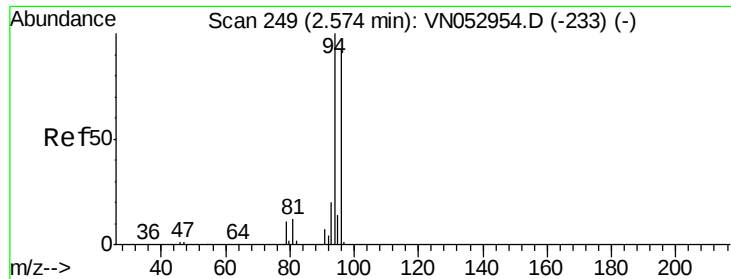
Tgt Ion: 62 Resp: 255525

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 18.063 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

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Tot Ion: 94 Resp: 169126

Ion Ratio Lower Upper

94 100

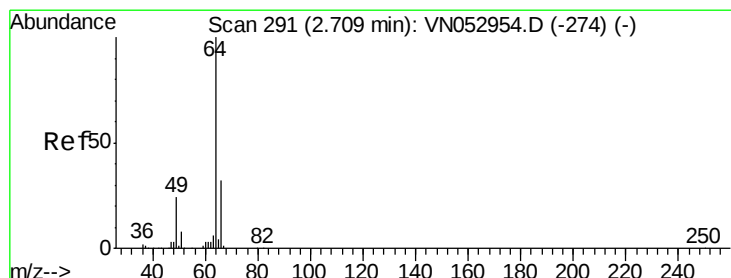
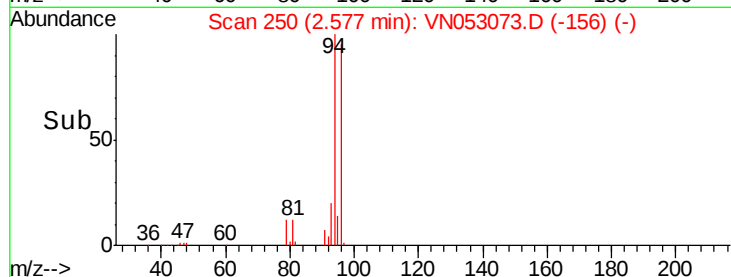
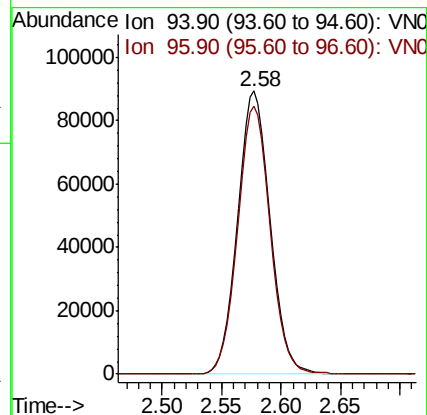
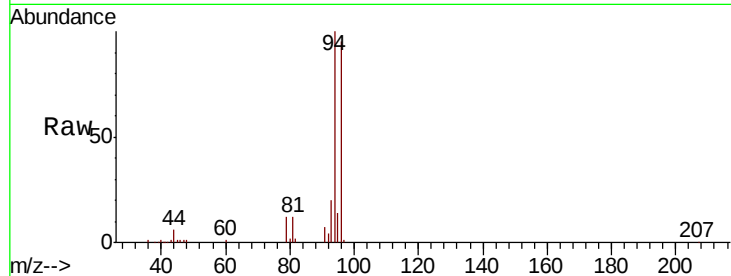
96 94.7 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.157 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053073.D

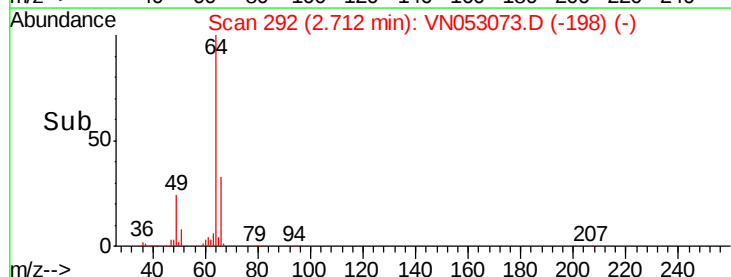
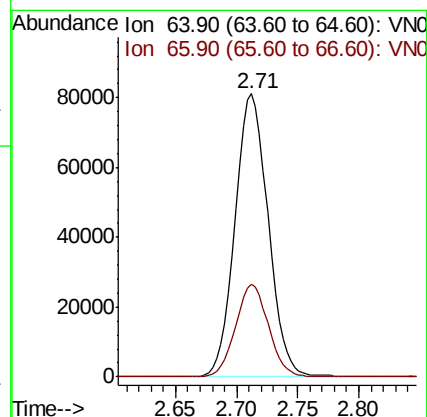
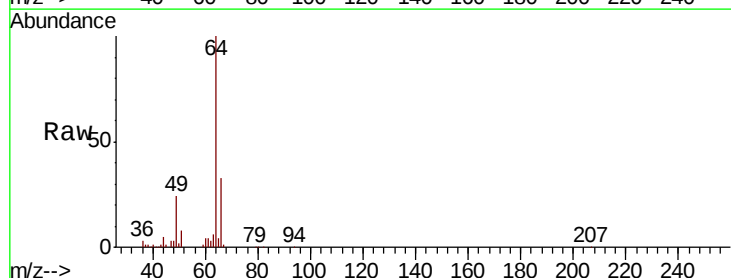
Acq: 20 Dec 2018 23:28

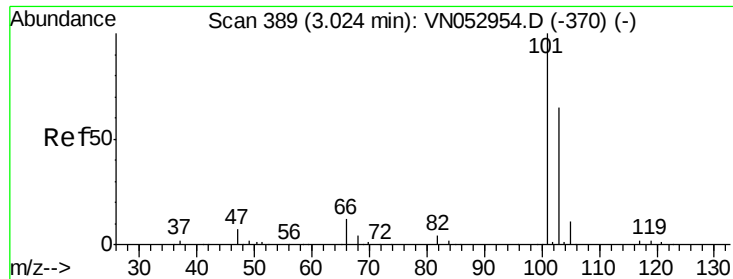
Tgt Ion: 64 Resp: 153326

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.2





#7

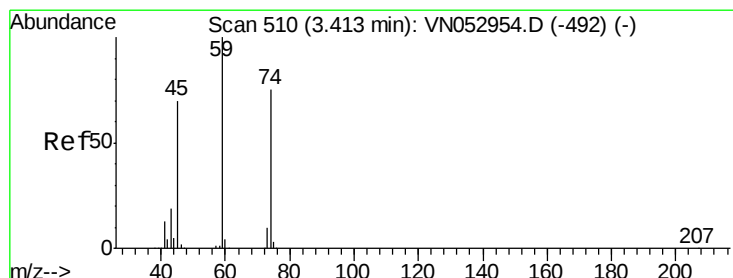
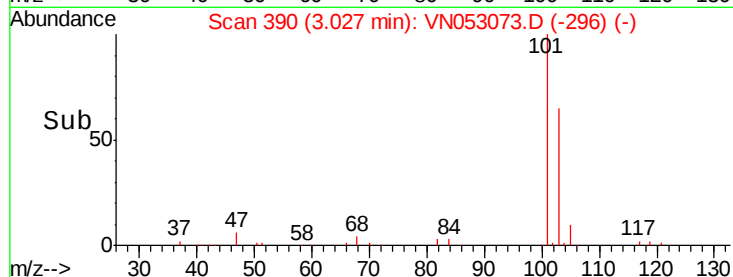
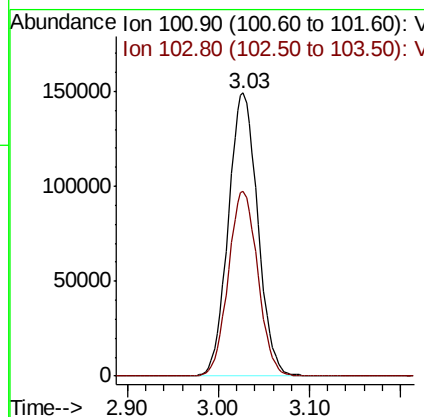
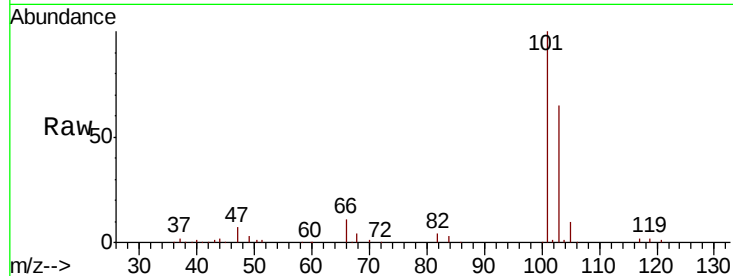
Trichlorofluoromethane
 Concen: 19.939 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
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 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

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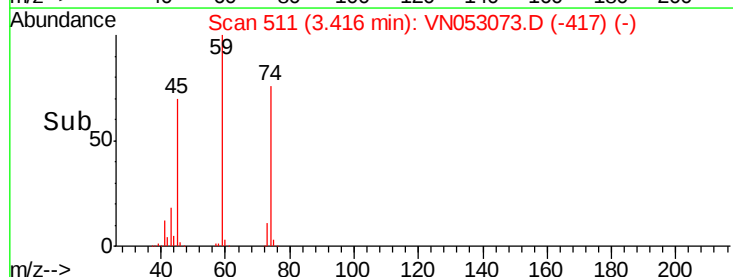
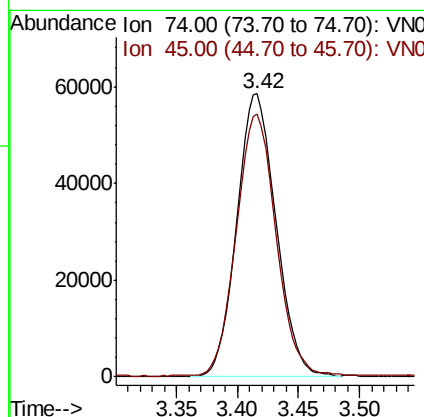
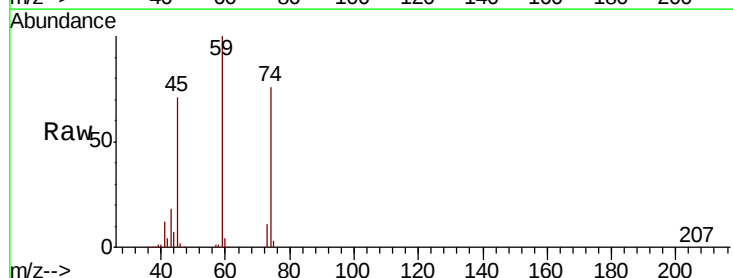
MMDadoda
 12/21/2018 11:31:34 AM

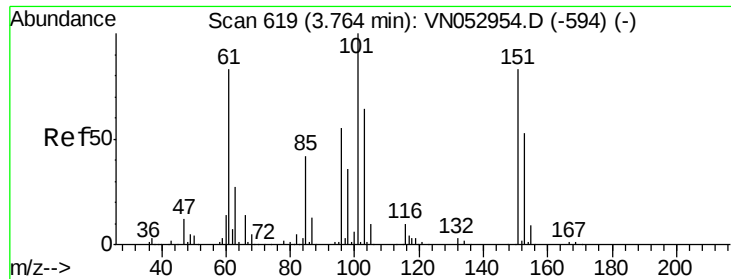


#8

Diethyl Ether
 Concen: 20.526 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.256 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

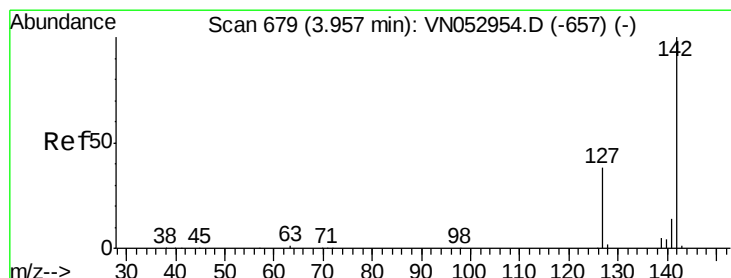
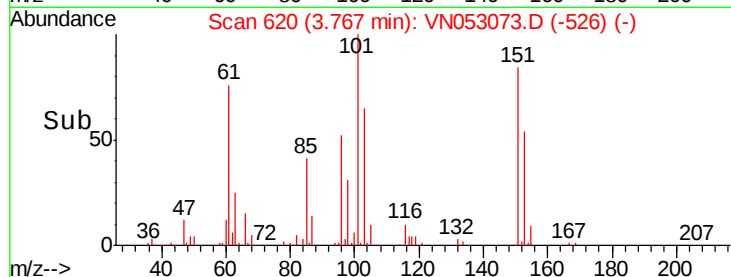
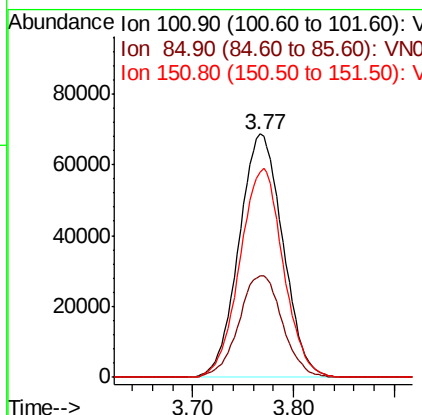
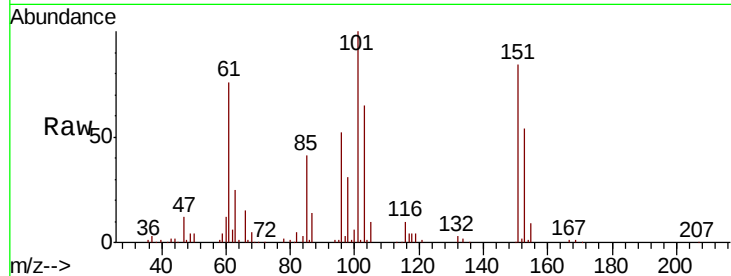
ClientSampleId :

VN1220WBSD02

Tot Ion:	101	Resp:	206689
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.6	50.4
151	84.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.228 ug/l

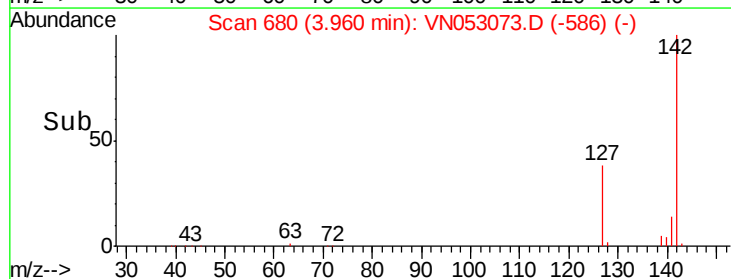
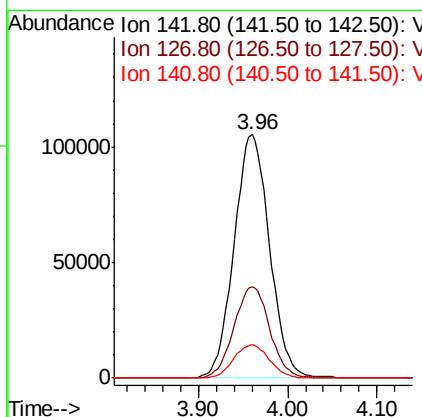
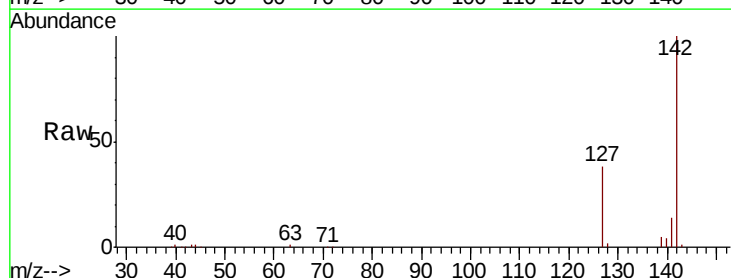
RT: 3.96 min Scan# 680

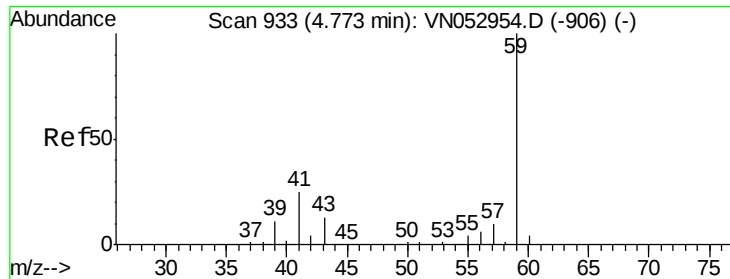
Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Tgt Ion:	142	Resp:	289848
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.6
141	13.9	11.2	16.8





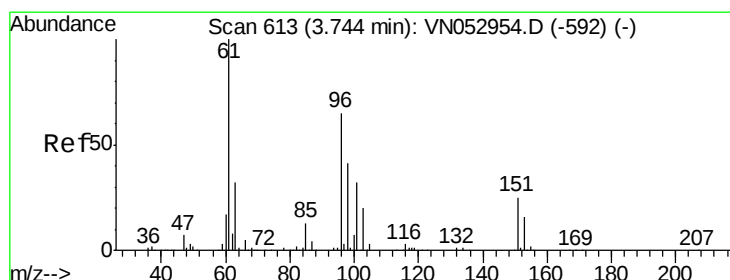
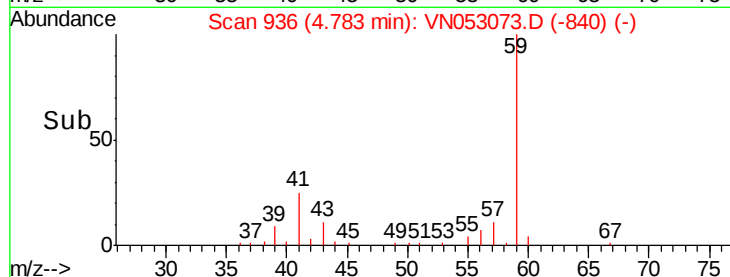
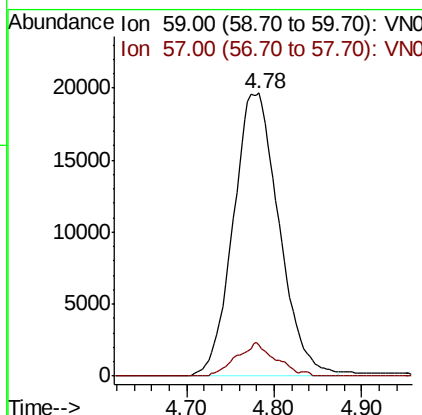
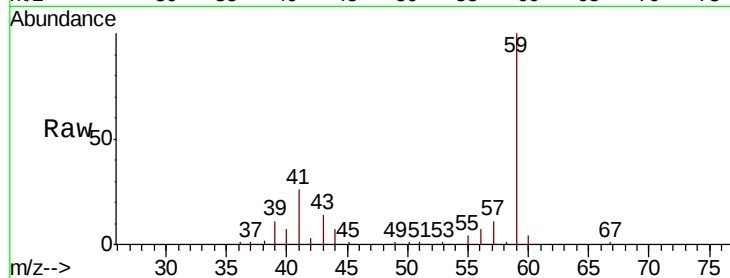
#11
Tert butyl alcohol
Concen: 105.774 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	71260
Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5

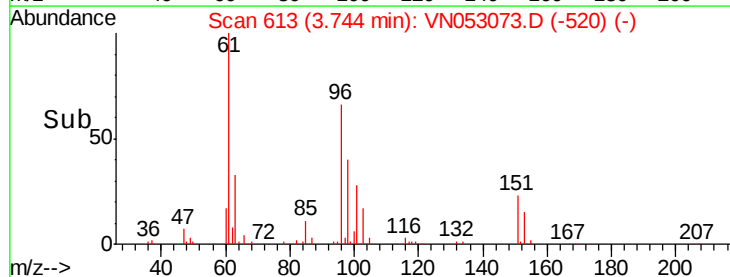
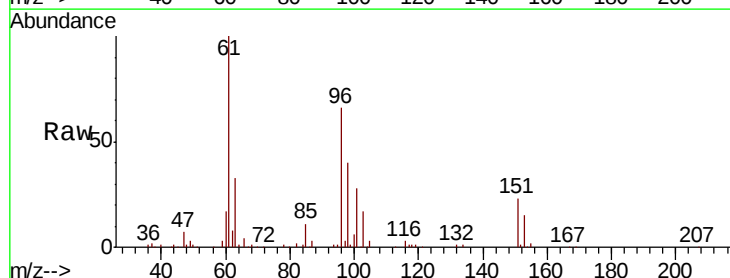
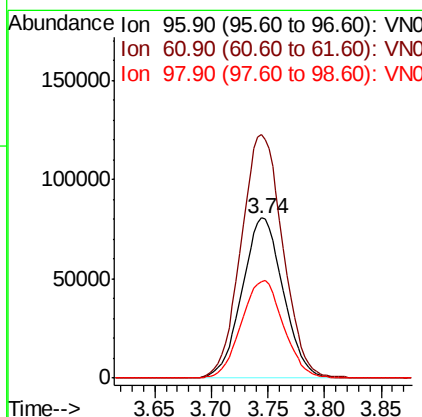
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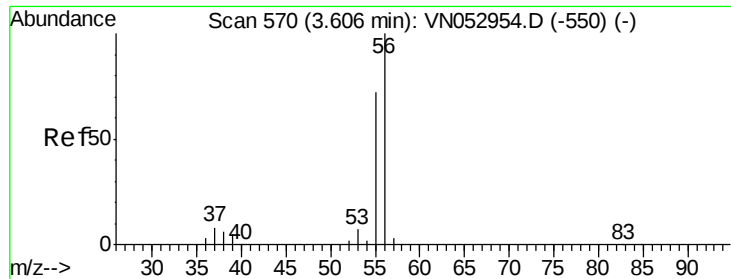
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#12
1,1-Dichloroethene
Concen: 19.744 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	96	Resp	204750
Ion	Ratio	Lower	Upper
96	100		
61	152.0	125.6	188.4
98	60.3	50.6	75.8





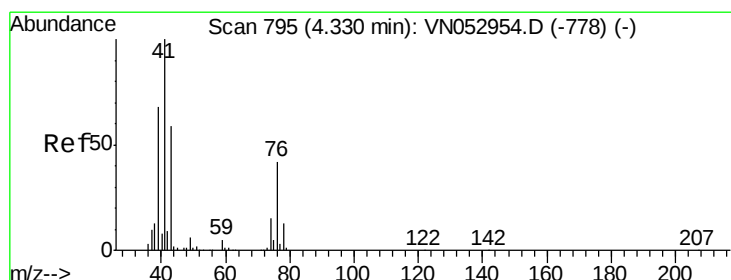
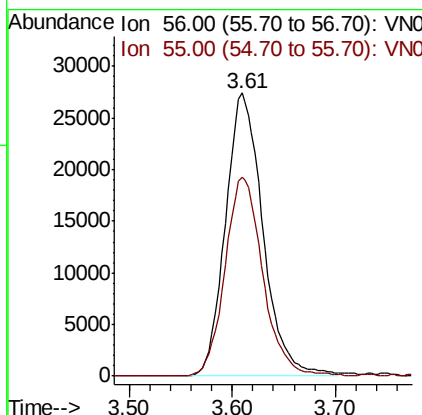
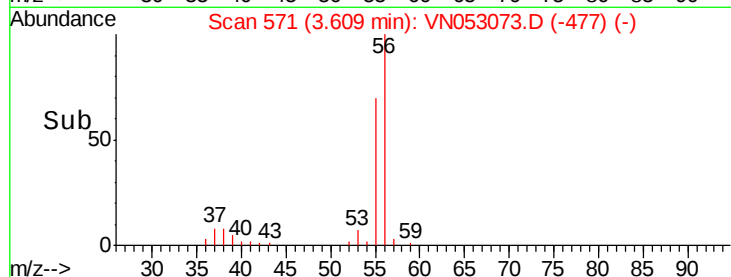
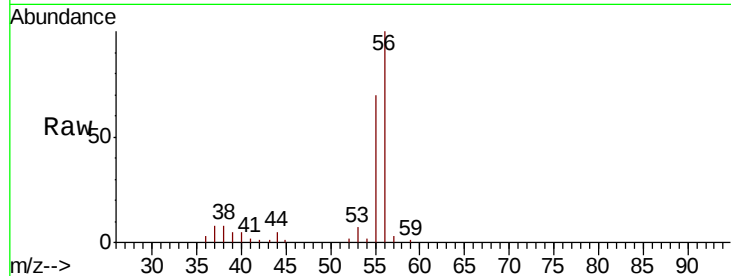
#13
Acrolein
Concen: 113.578 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion: 56 Resp: 69382
Ion Ratio Lower Upper
56 100
55 70.9 56.6 85.0

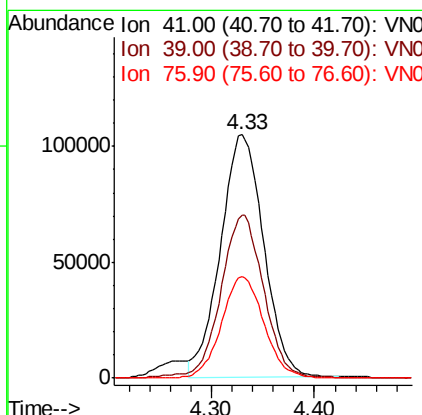
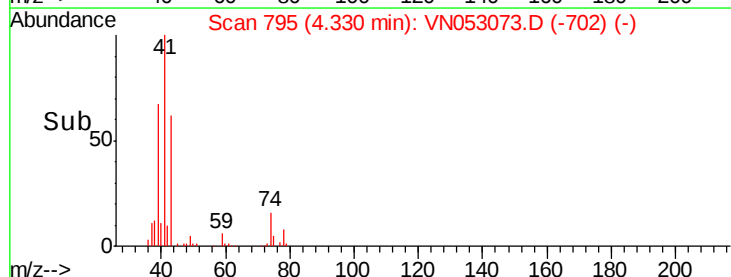
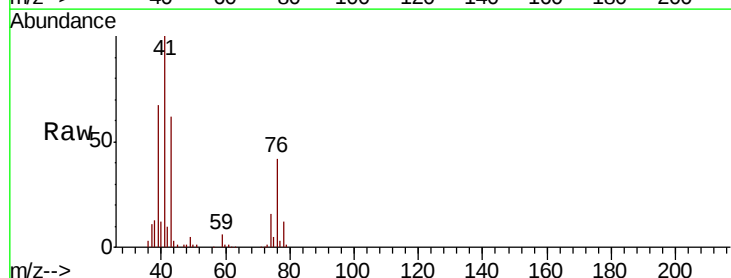
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#14
Allyl chloride
Concen: 19.077 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion: 41 Resp: 306435
Ion Ratio Lower Upper
41 100
39 66.7 54.1 81.1
76 40.4 30.3 45.5





#15

Acrylonitrile

Concen: 101.393 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

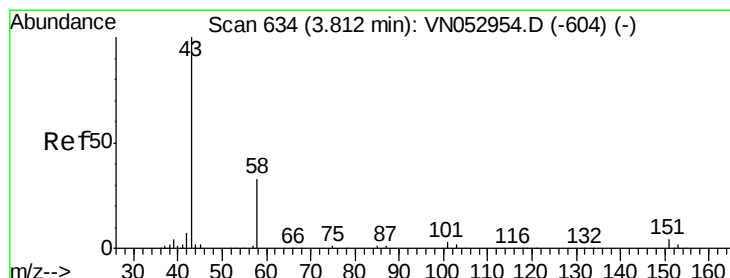
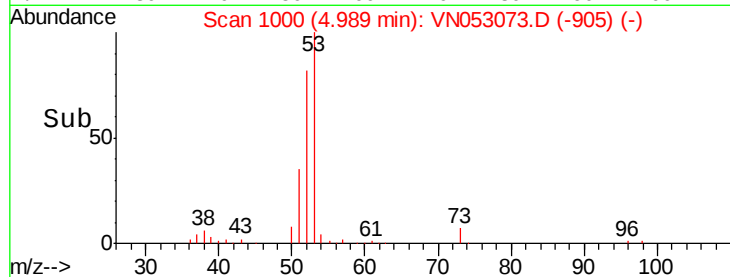
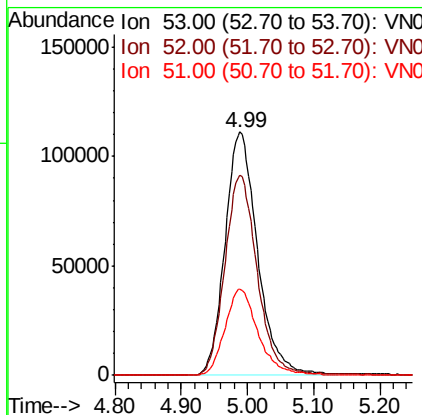
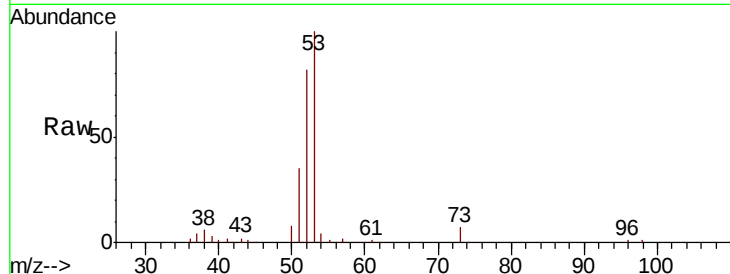
ClientSampleId :

VN1220WBSD02

Tot Ion:	53	Resp:	379491
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.1	97.7
51	36.3	28.1	42.1

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#16

Acetone

Concen: 110.800 ug/l

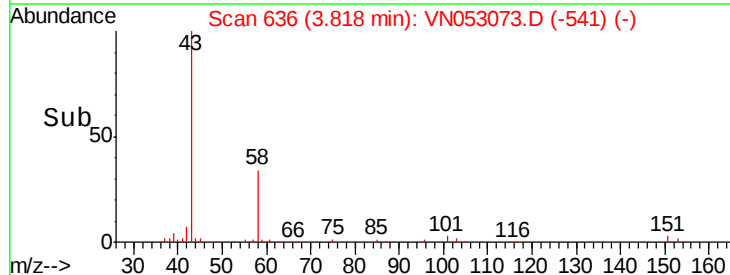
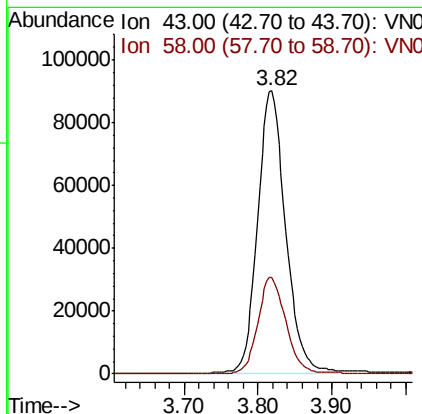
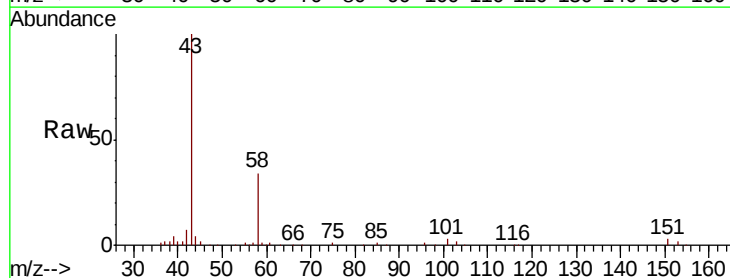
RT: 3.82 min Scan# 636

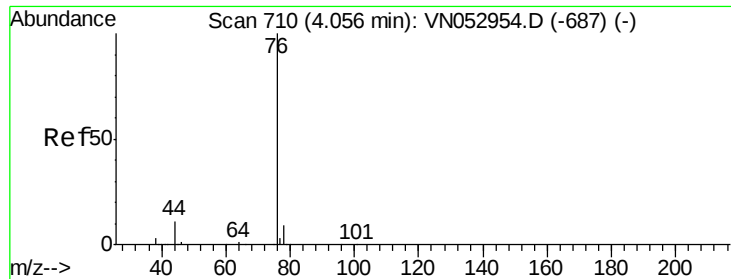
Delta R.T. 0.01 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Tgt Ion:	43	Resp:	239868
Ion Ratio	Lower	Upper	
43	100		
58	33.9	25.4	38.0





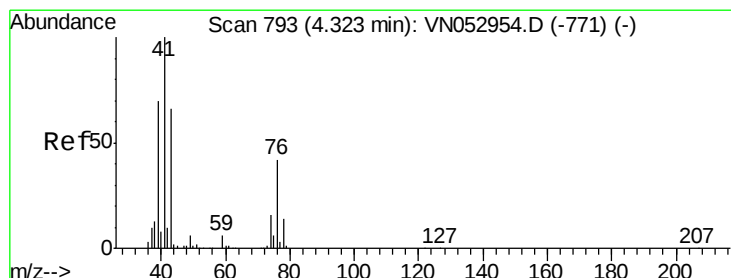
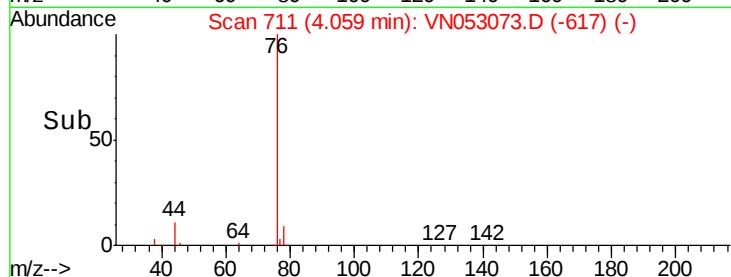
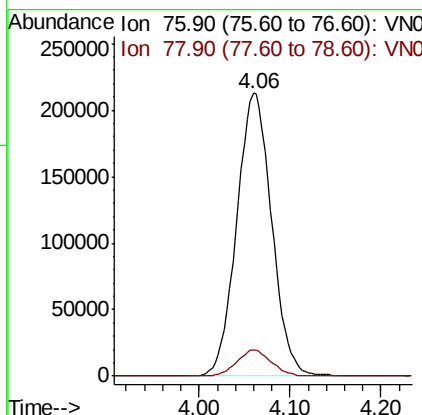
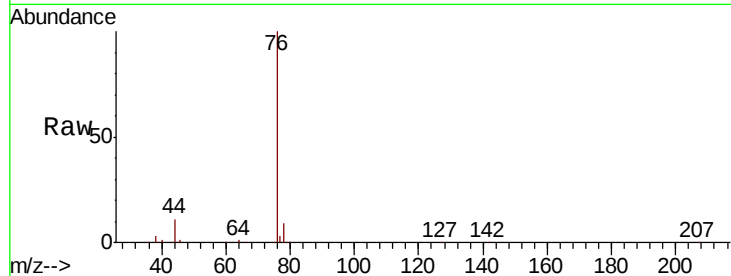
#17
Carbon Disulfide
Concen: 16.778 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

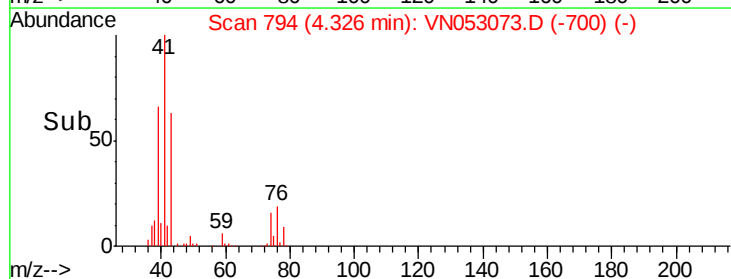
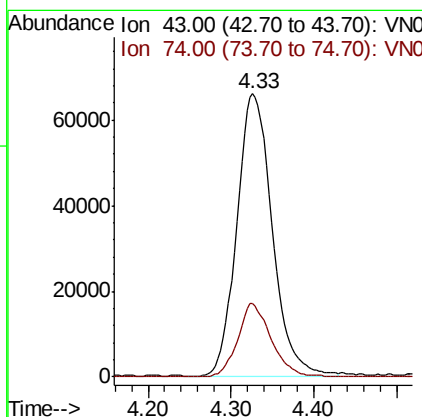
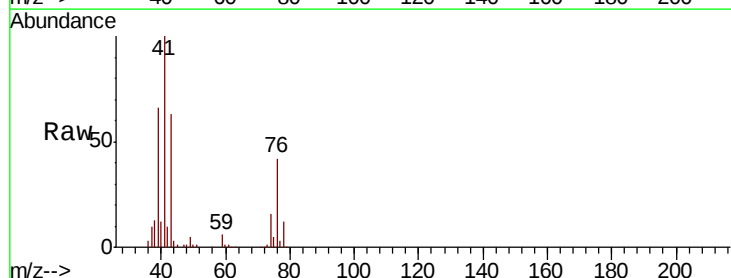
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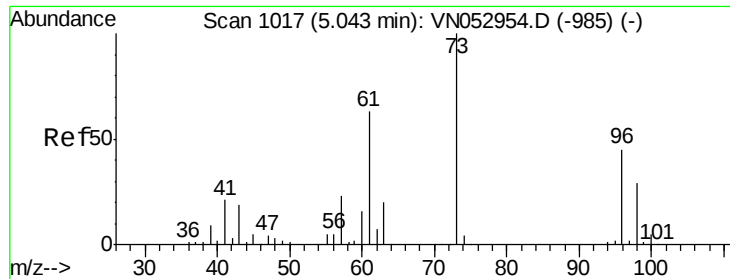
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#18
Methyl Acetate
Concen: 20.510 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





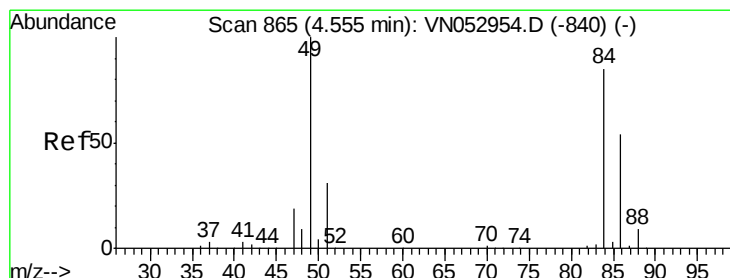
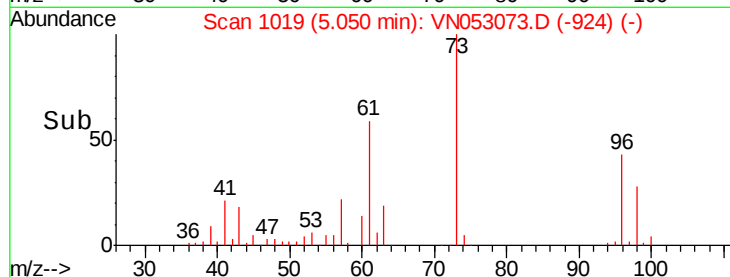
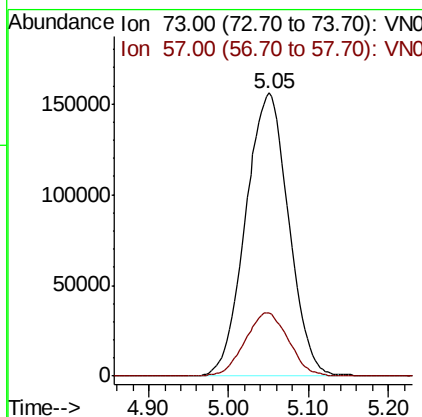
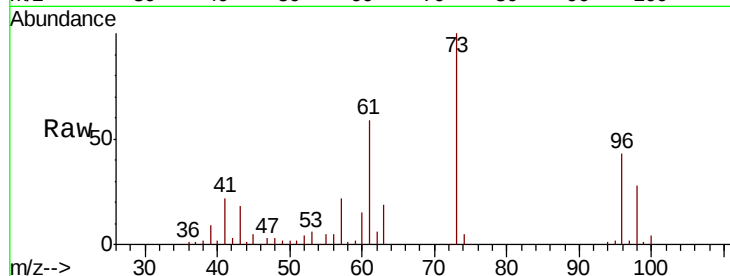
#19
Methvl tert-butvl Ether
Concen: 20.716 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion: 73 Resp: 574910
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

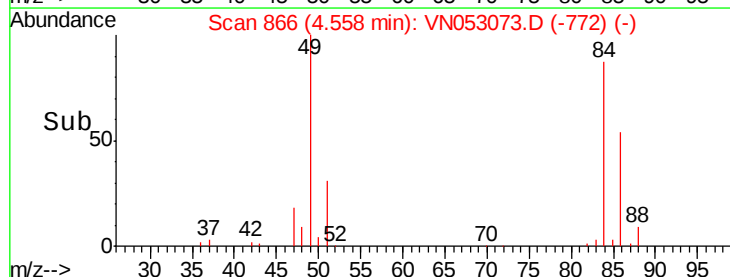
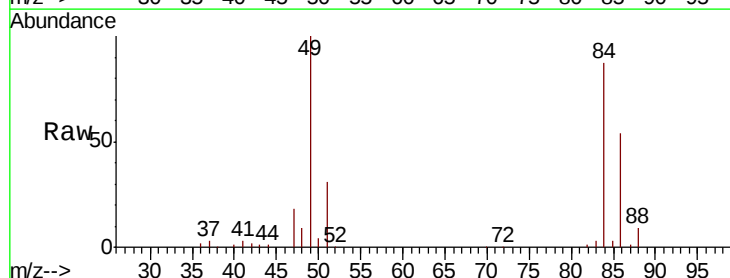
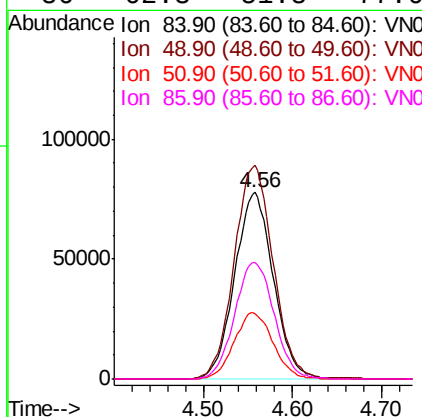
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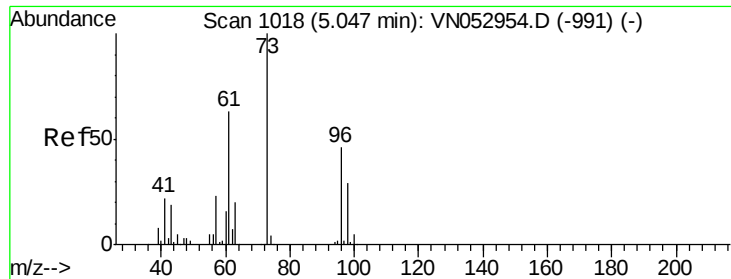
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#20
Methylene Chloride
Concen: 19.833 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion: 84 Resp: 234213
Ion Ratio Lower Upper
84 100
49 114.4 96.8 145.2
51 35.2 29.9 44.9
86 62.3 51.8 77.6





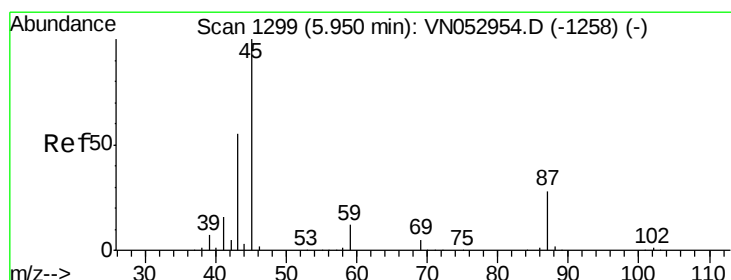
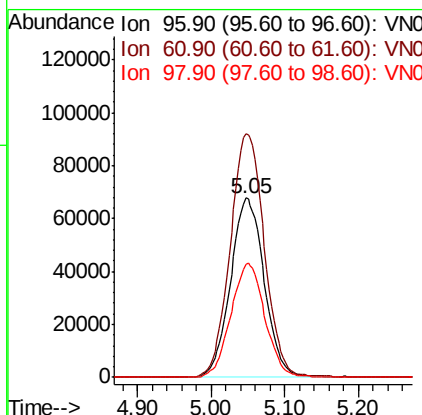
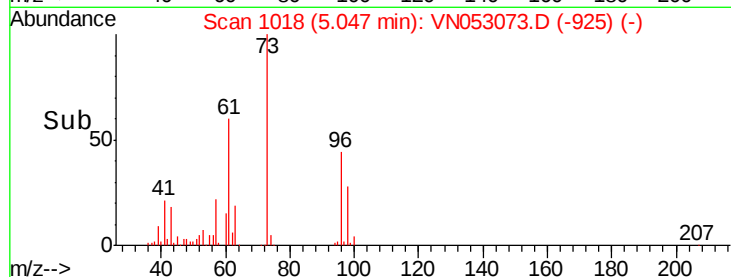
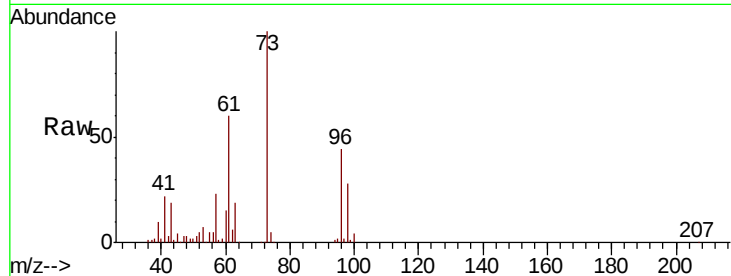
#21
trans-1,2-Dichloroethene
Concen: 19.376 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	110.8	166.2
98	62.9	51.4	77.2

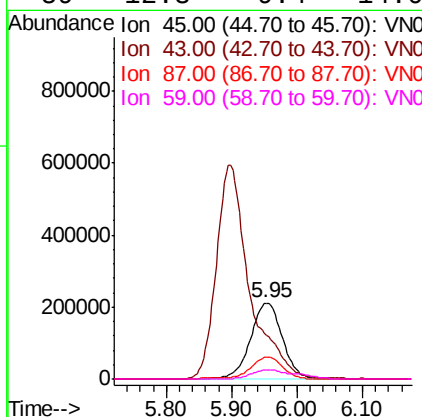
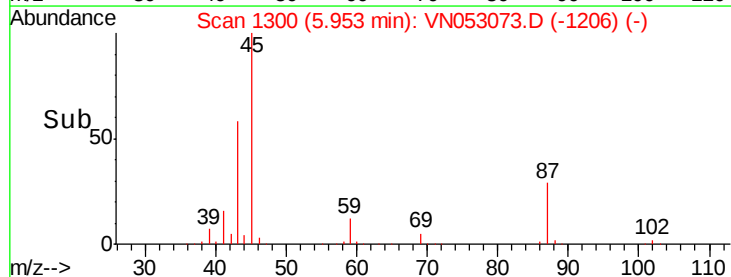
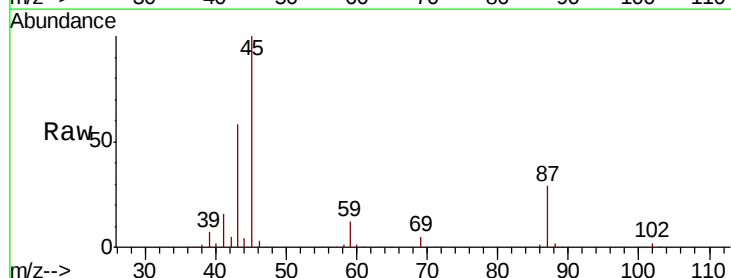
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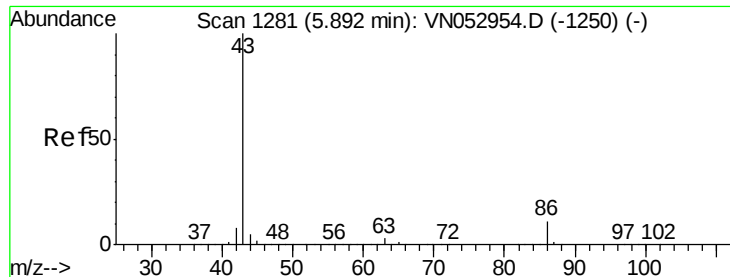
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#22
Diisopropyl ether
Concen: 20.877 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.5	68.3
87	29.1	22.0	33.0
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 106.371 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion: 43 Resp: 2097234

Ion Ratio Lower Upper

43 100

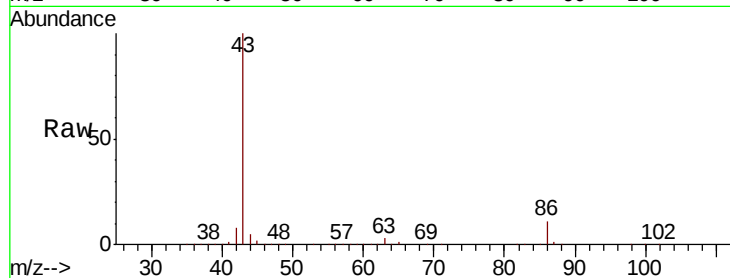
86 10.9 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VN053073.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053073.D (-1188) (-)

5.90

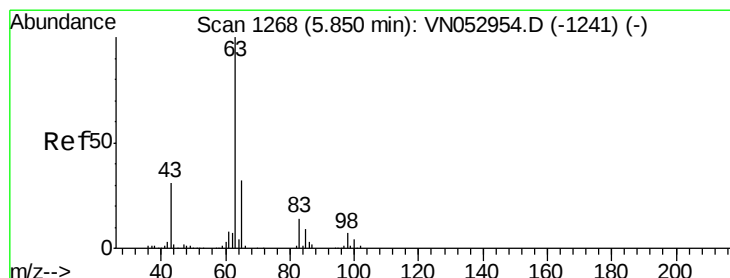
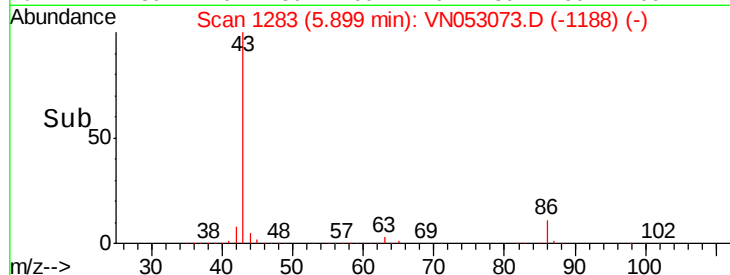
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.081 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

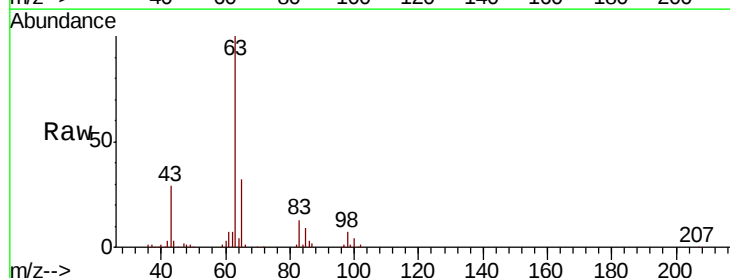
Tgt Ion: 63 Resp: 409130

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053073.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053073.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053073.D (-1175) (-)

5.85

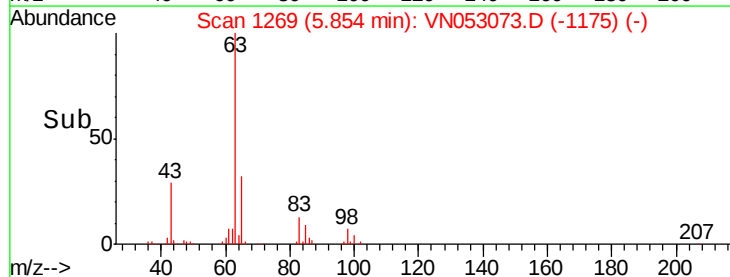
150000

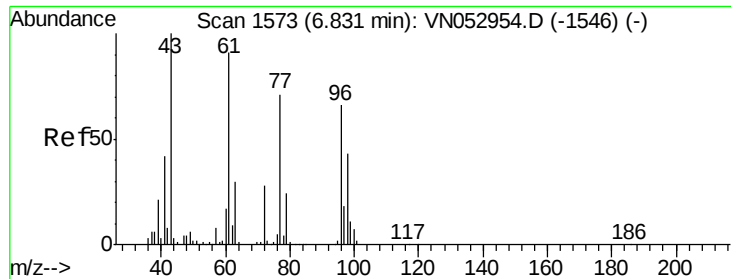
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





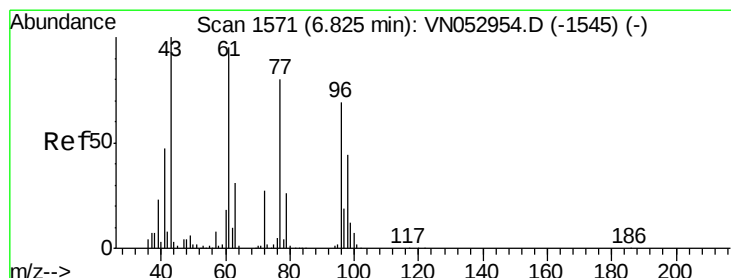
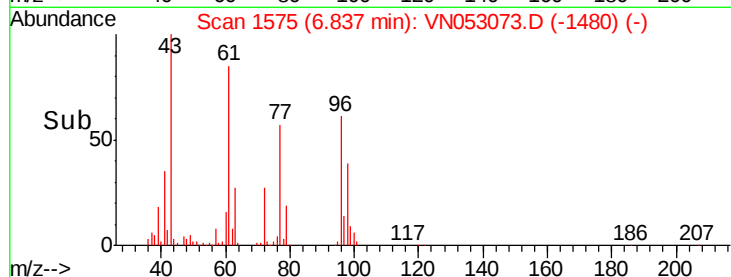
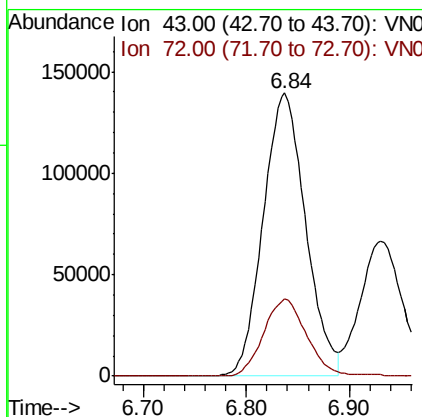
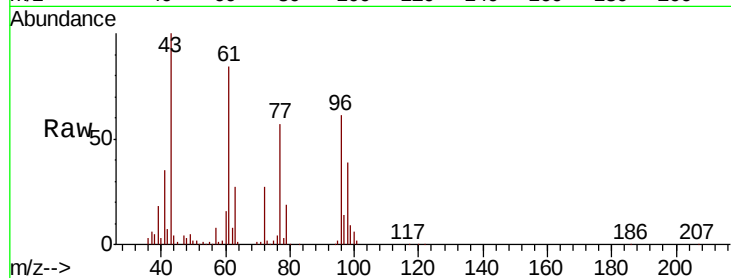
#25
2-Butanone
Concen: 109.333 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion: 43 Resp: 397227
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.6

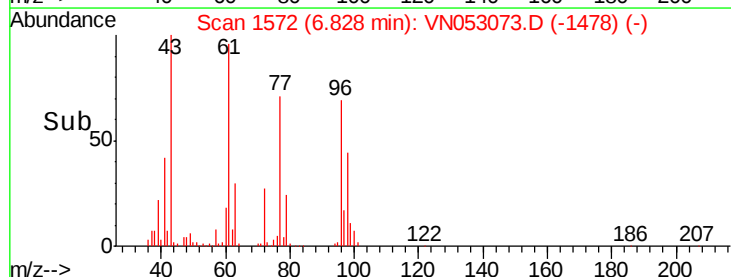
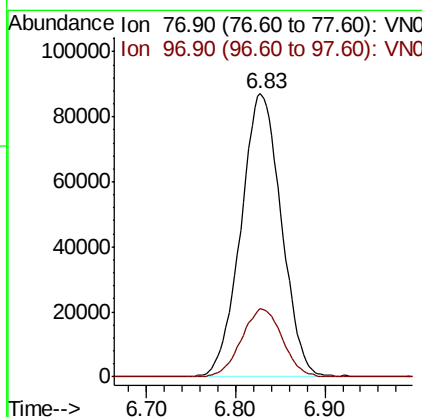
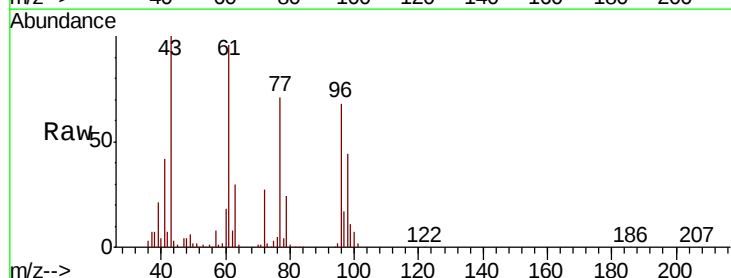
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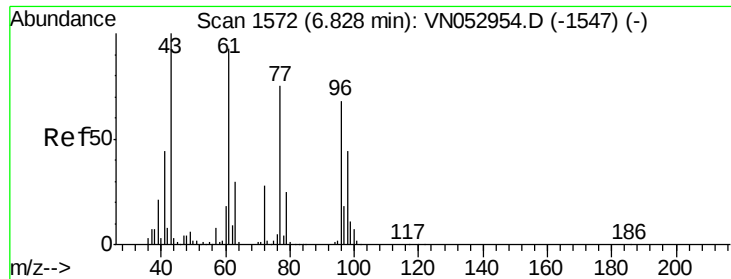
MMDadoda
12/21/2018 11:31:34 AM



#26
2,2-Dichloropropane
Concen: 17.677 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion: 77 Resp: 274935
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.9





#27

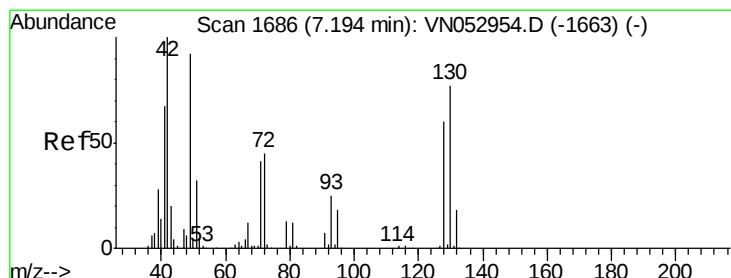
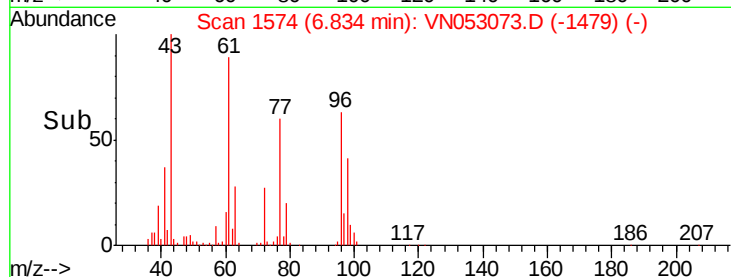
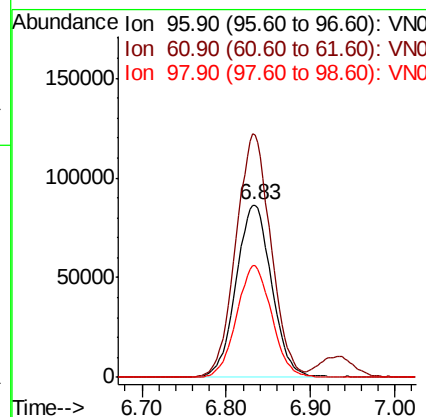
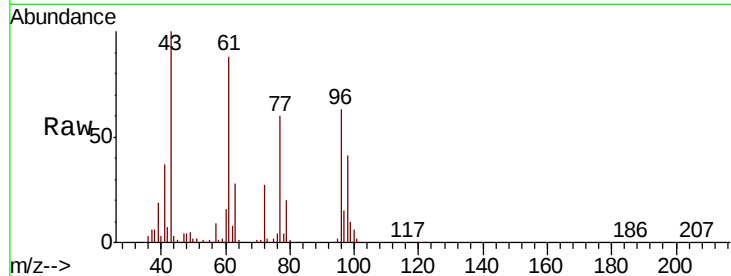
cis-1,2-Dichloroethene
 Concen: 20.112 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	253686		
61	139.1	0.0	284.2	
98	64.0	0.0	129.2	

Manual Integrations
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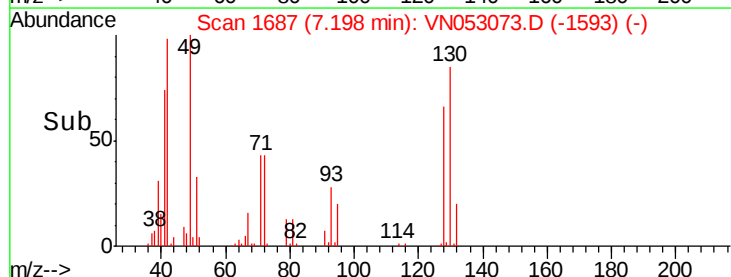
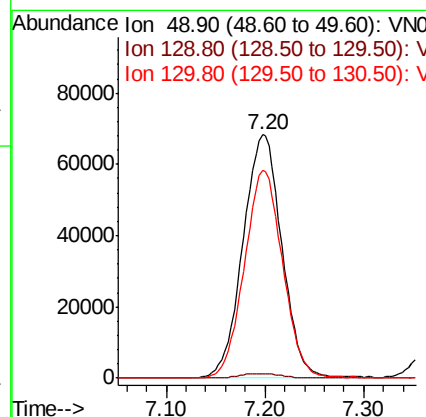
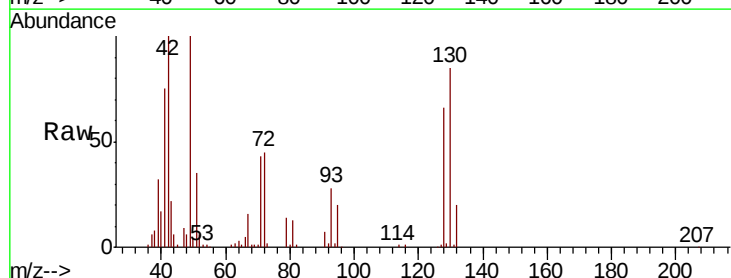
MMDadoda
 12/21/2018 11:31:34 AM

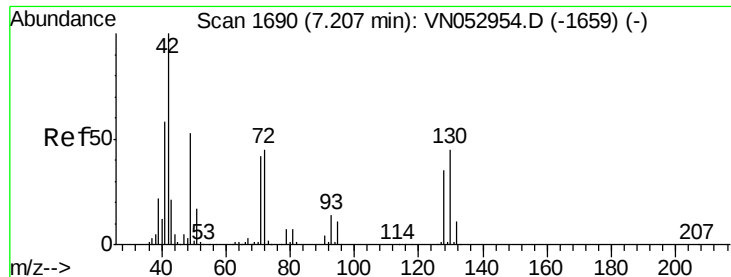


#28

Bromochloromethane
 Concen: 21.076 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	186076		
129	1.9	0.0	4.0	
130	84.1	63.3	94.9	





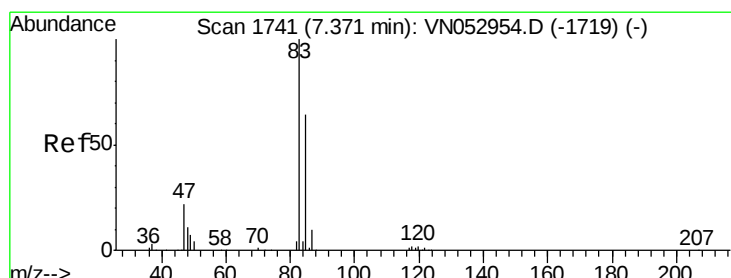
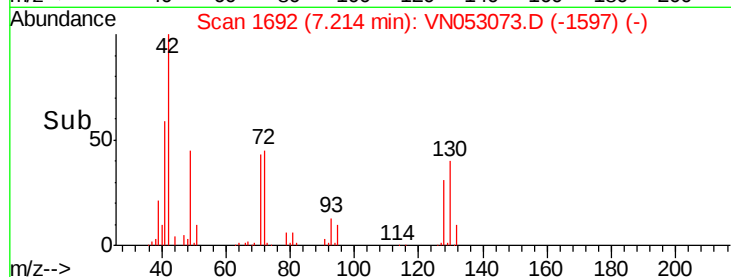
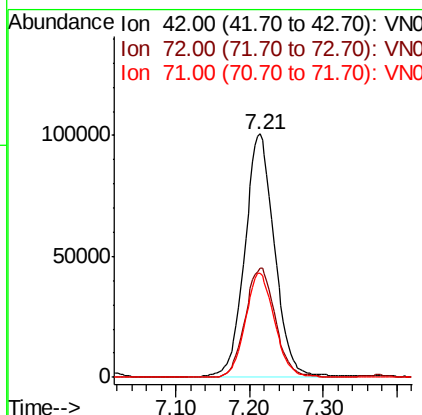
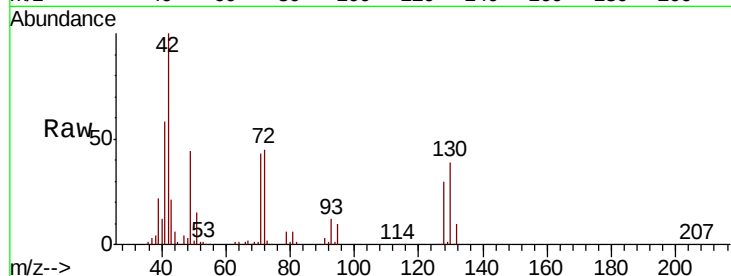
#29
Tetrahydrofuran
Concen: 103.436 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	34.7	52.1
71	42.4	32.3	48.5

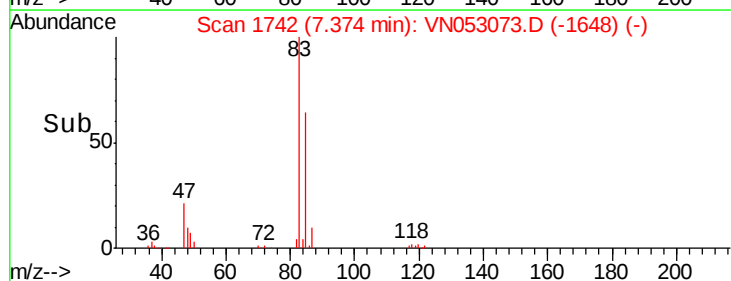
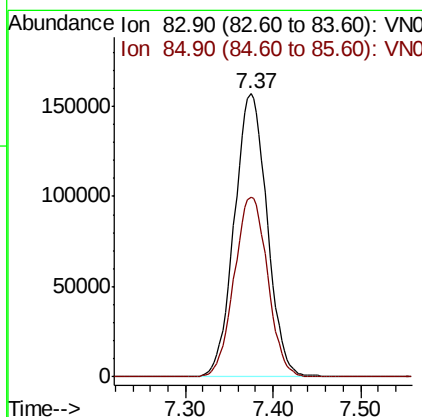
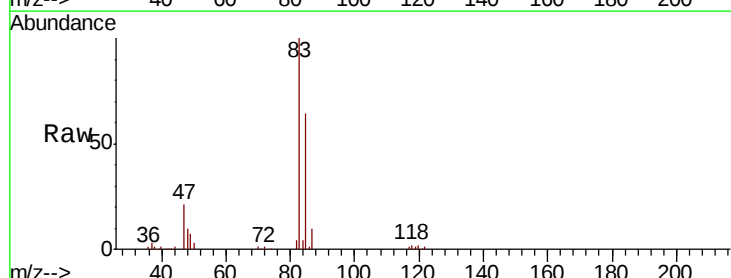
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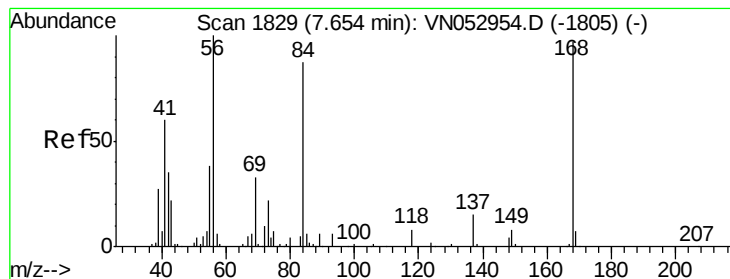
MMDadoda
12/21/2018 11:31:34 AM



#30
Chloroform
Concen: 20.388 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1





#31

Cyclohexane

Concen: 19.141 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

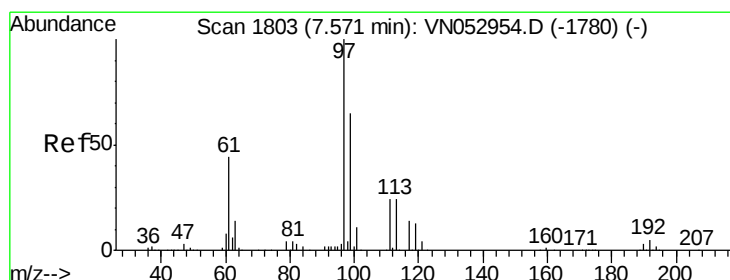
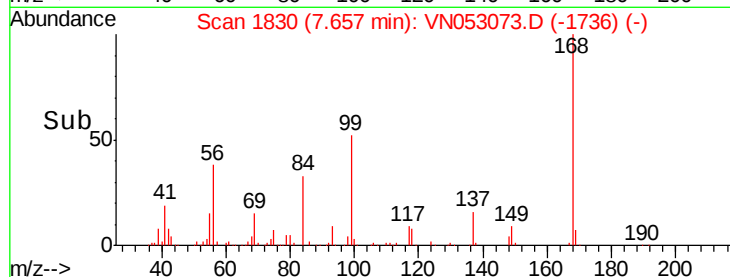
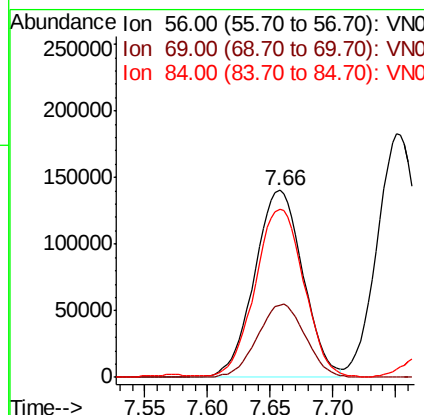
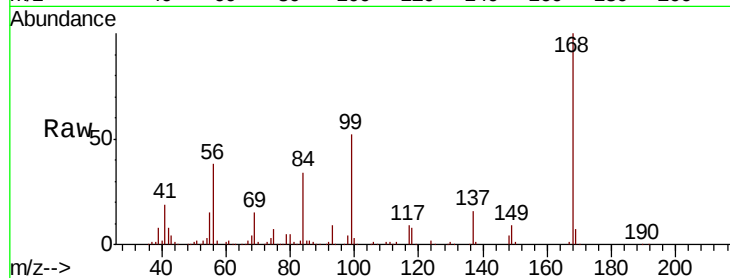
ClientSampleId :

VN1220WBSD02

Tot Ion:	56	Resp:	378158
Ion Ratio	Lower	Upper	
56	100		
69	38.9	26.6	39.8
84	89.1	68.4	102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.599 ug/l

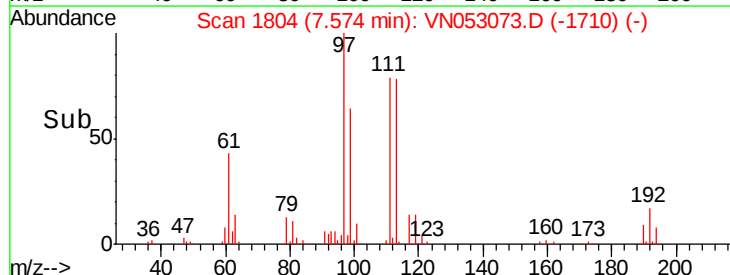
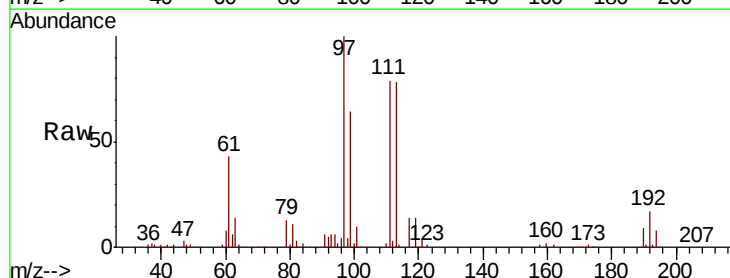
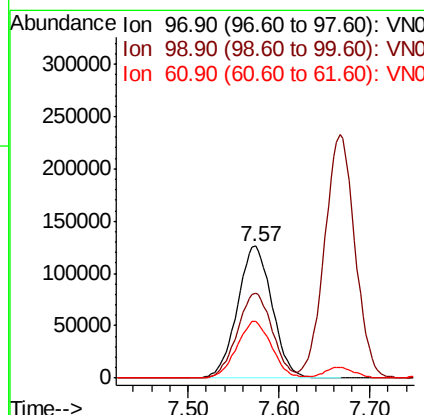
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Tgt Ion:	97	Resp:	334159
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.1	76.7
61	43.0	35.0	52.6





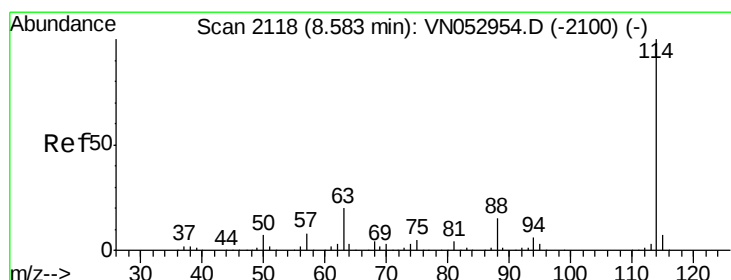
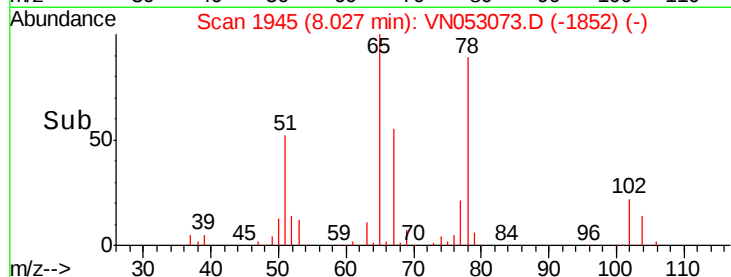
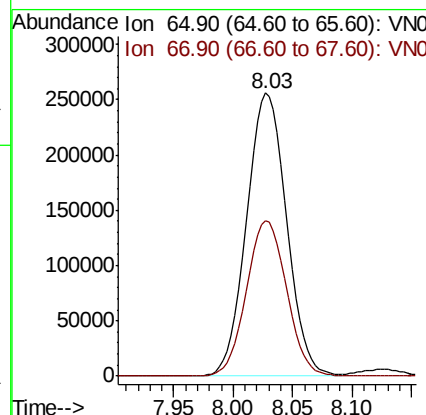
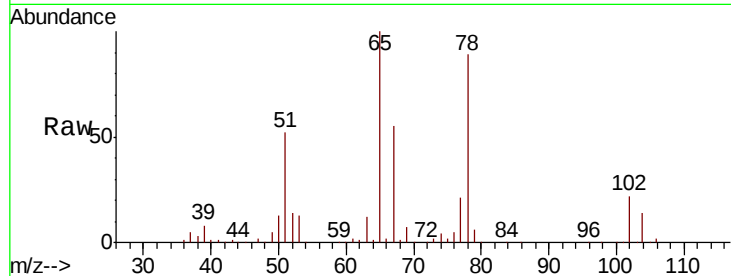
#33
 1,2-Dichloroethane-d4
 Concen: 19.599 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	597539		
67	55.1	0.0	110.4	

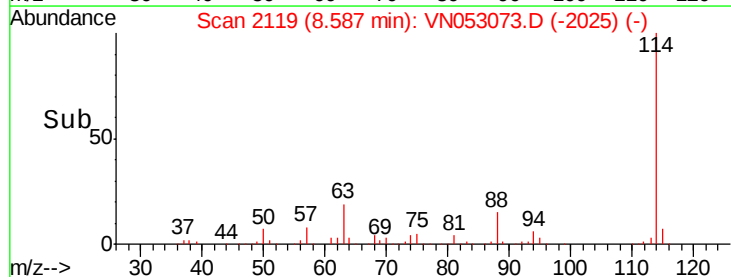
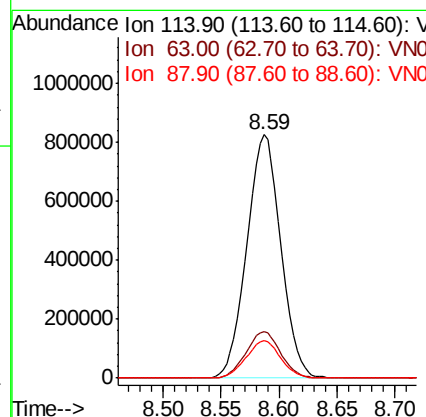
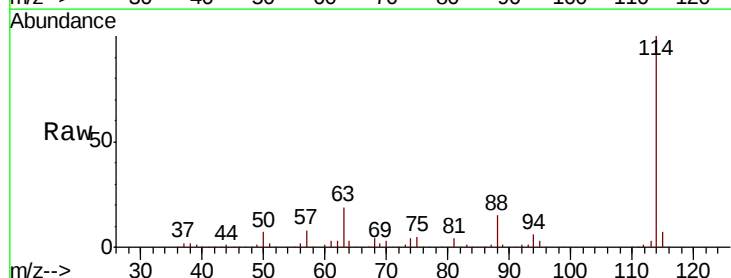
Manual Integrations
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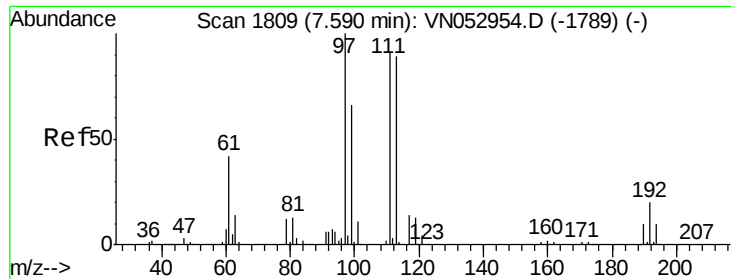
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 12/21/2018 11:31:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1688542		
63	19.3	0.0	39.8	
88	15.4	0.0	31.0	





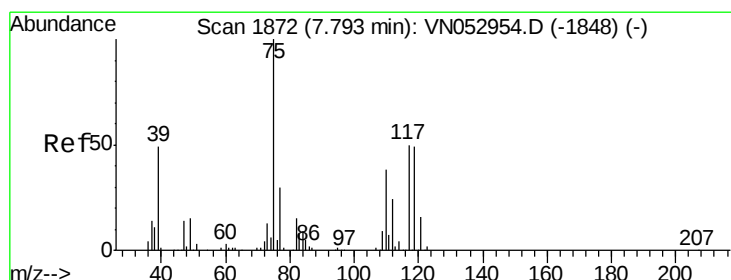
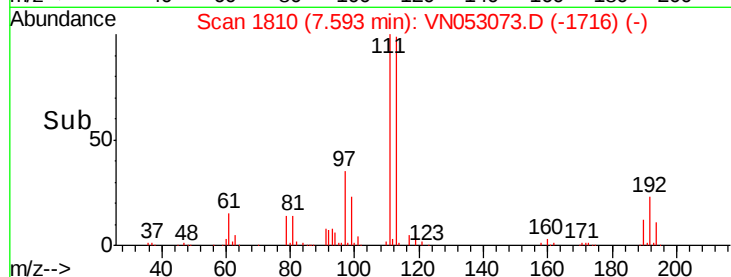
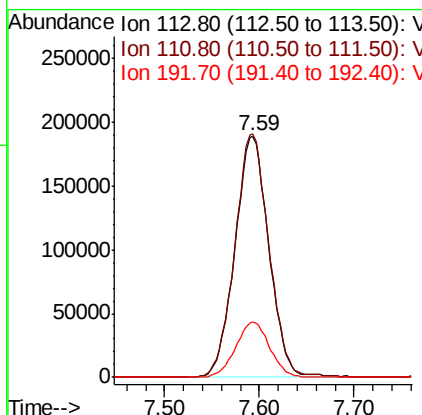
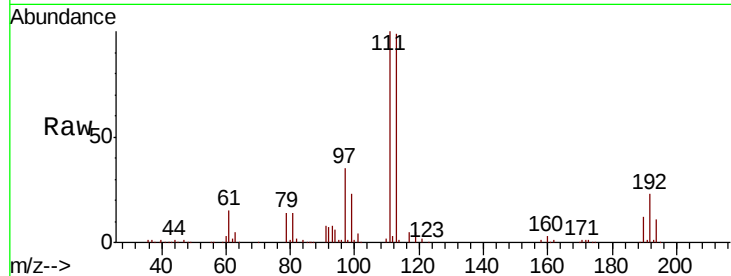
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	470585		
111	101.5	83.0	124.4	
192	23.1	17.5	26.3	

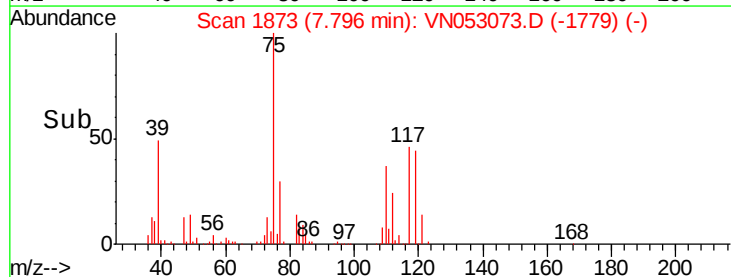
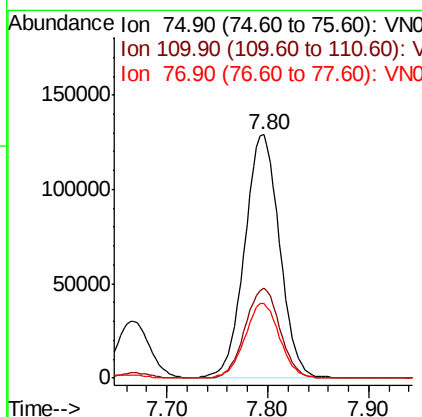
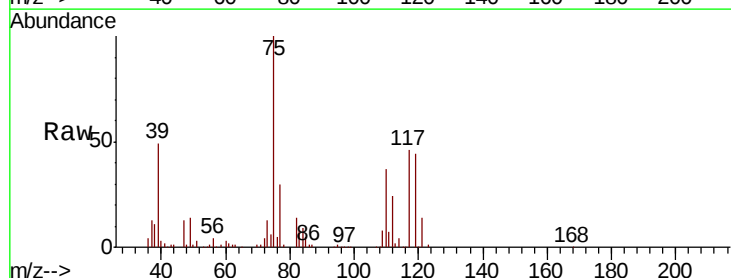
Manual Integrations
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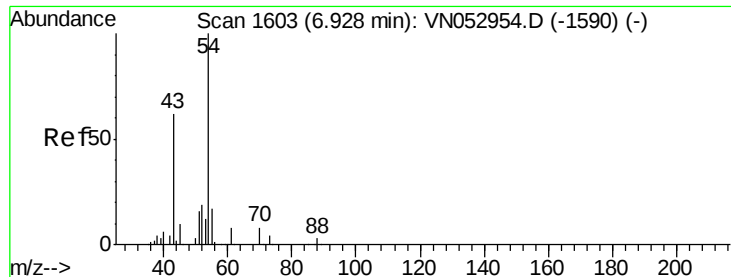
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 12/21/2018 11:31:34 AM



#36
 1,1-Dichloropropene
 Concen: 18.983 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	307665		
110	37.0	18.2	54.6	
77	30.8	24.9	37.3	





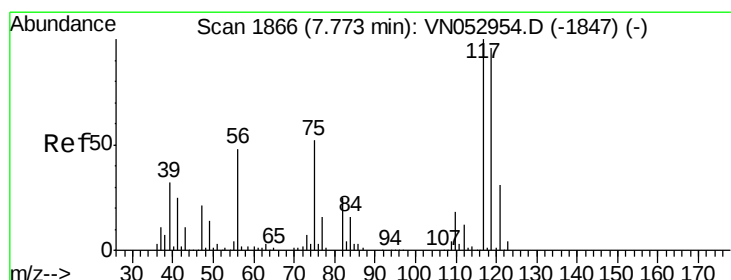
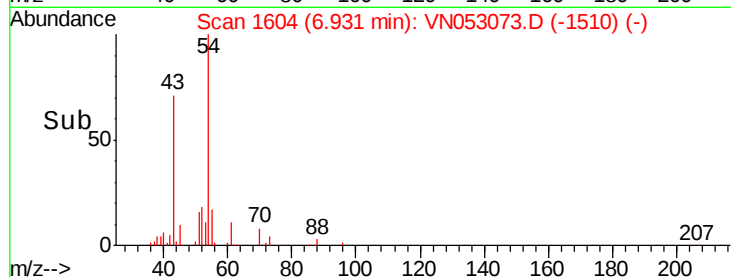
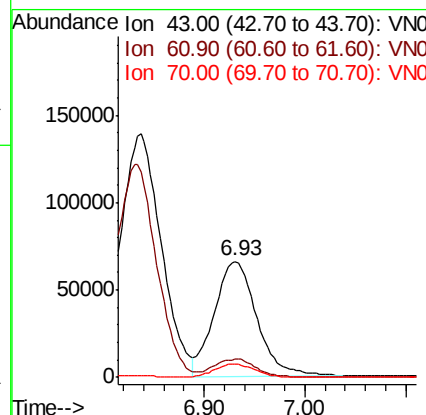
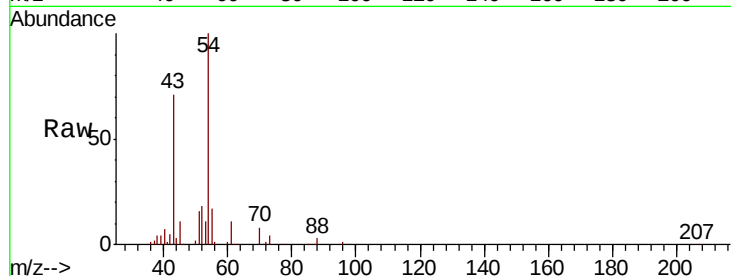
#37
Ethyl Acetate
Concen: 21.305 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	43	61	70	Ratio	Lower	Upper
192760	100	15.2	10.6		11.8	17.6
					8.4	12.6

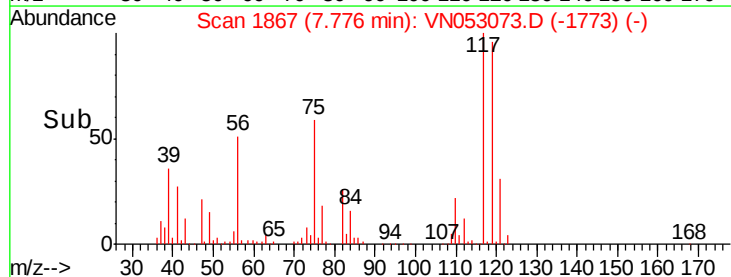
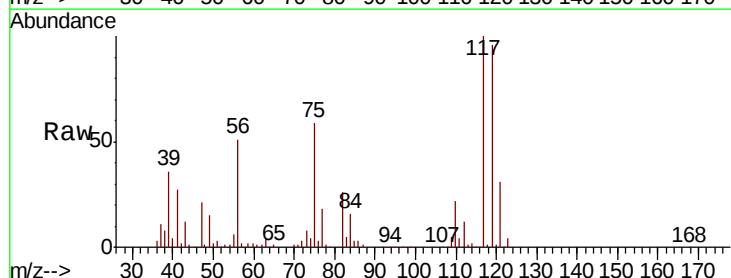
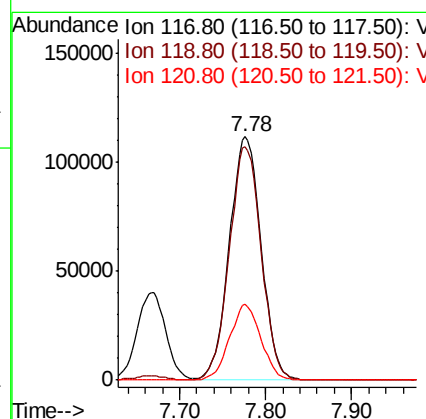
Manual Integrations
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12/21/2018 11:31:34 AM



#38
Carbon Tetrachloride
Concen: 19.314 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	117	119	121	Ratio	Lower	Upper
286910	100	96.0	31.0		77.1	115.7
					24.9	37.3





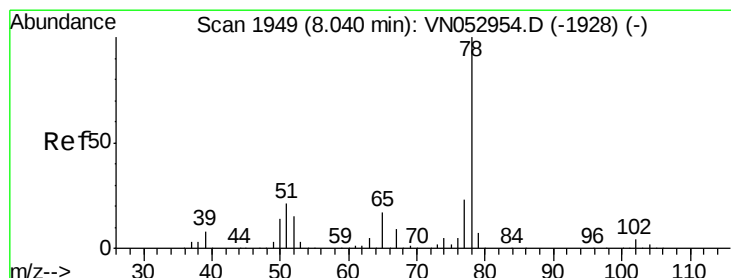
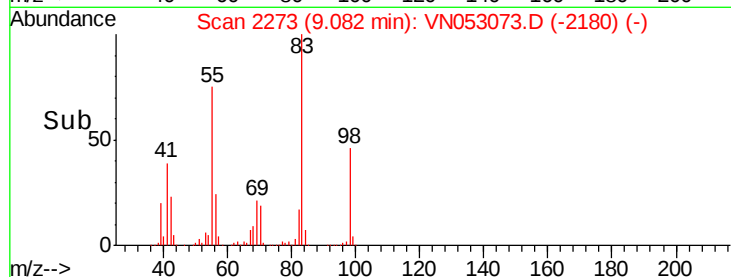
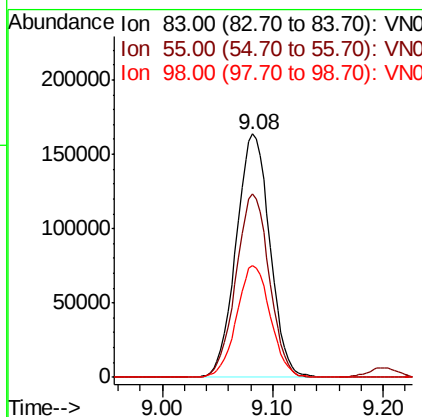
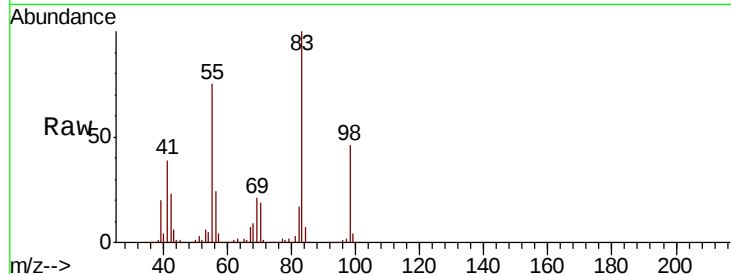
#39
Methvlcvclohexane
Concen: 17.616 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.3	91.9
98	46.2	37.0	55.4

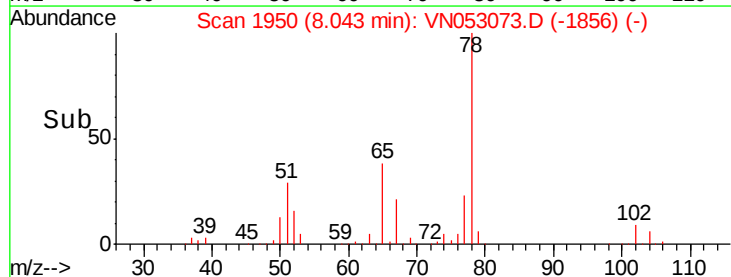
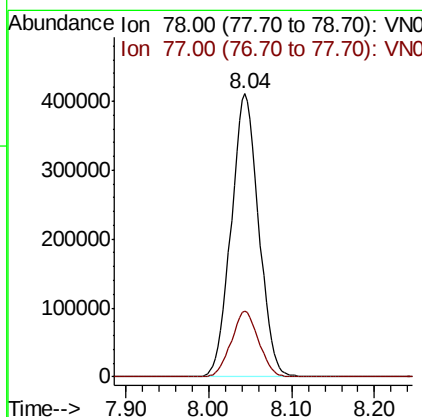
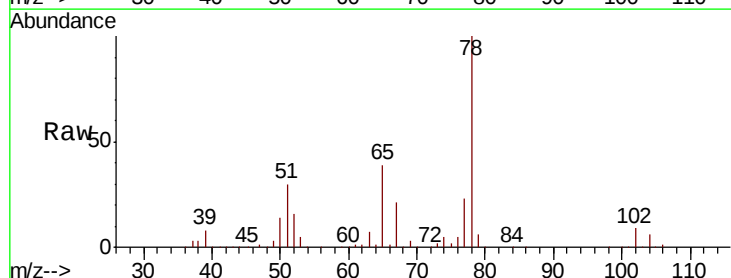
Manual Integrations
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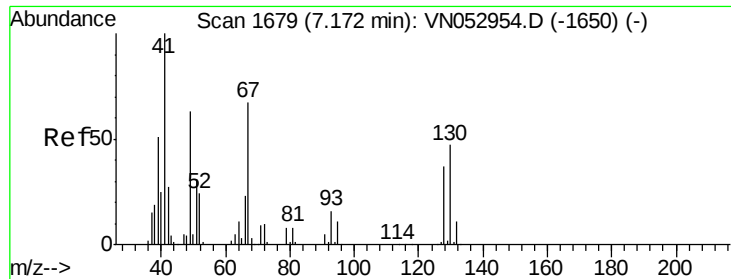
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#40
Benzene
Concen: 19.732 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





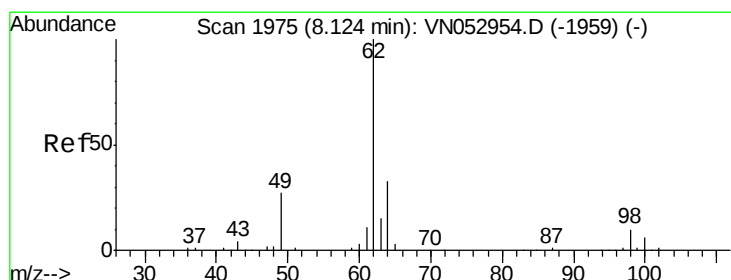
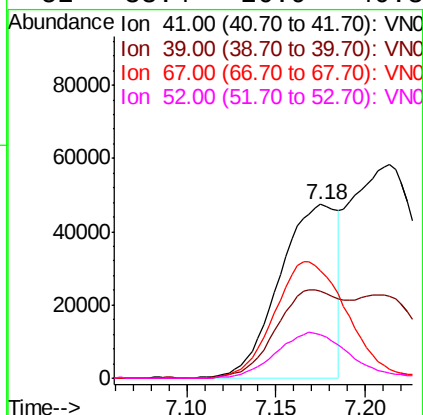
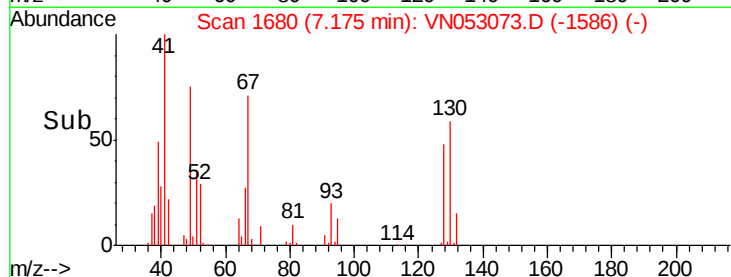
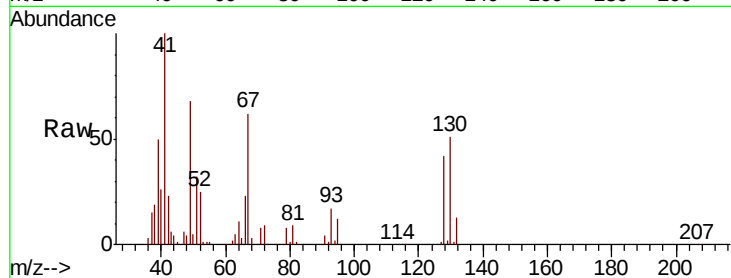
#41
Methacrylonitrile
Concen: 20.400 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	41	Resp	106643
Ion Ratio	Lower	Upper	
41	100		
39	60.0	48.0	72.0
67	85.5	70.3	105.5
52	33.4	26.9	40.3

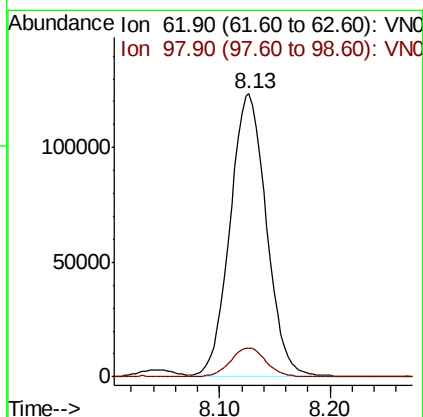
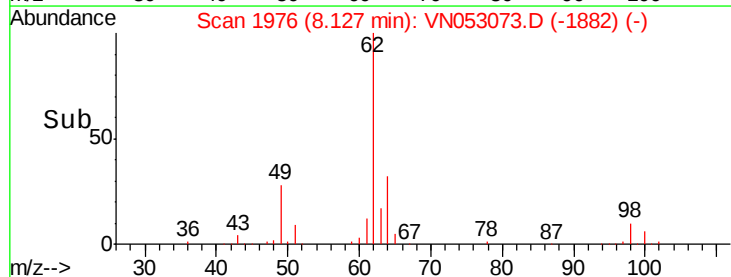
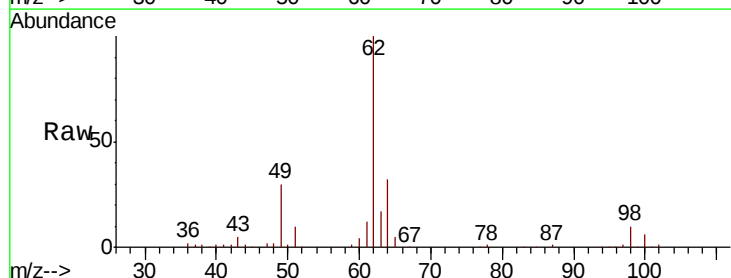
Manual Integrations
APPROVED

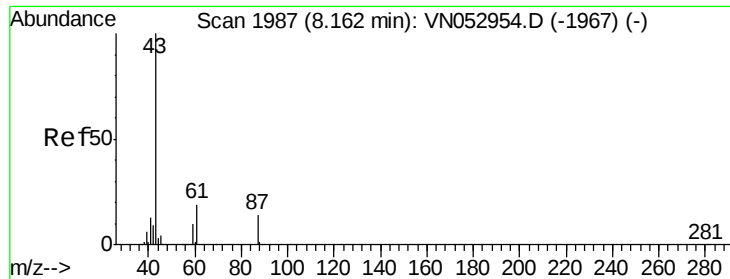
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.695 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	62	Resp	280489
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	19.0





#43

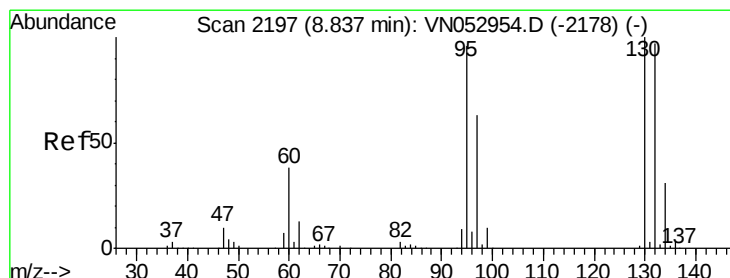
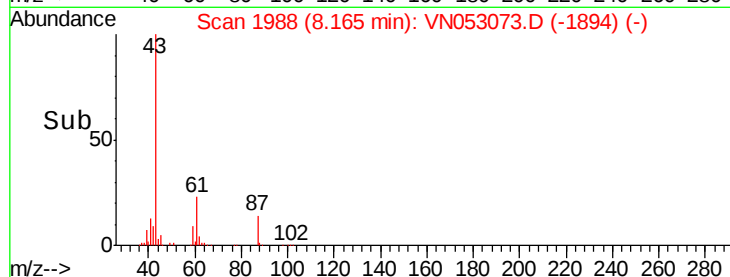
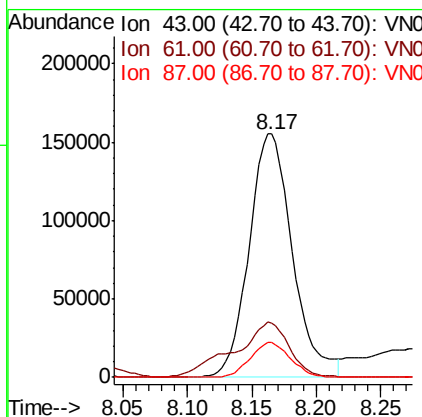
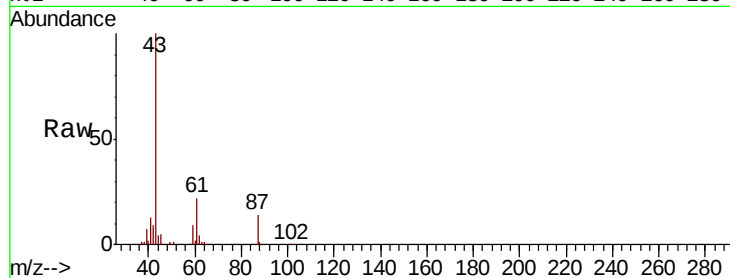
Isopropyl Acetate
 Concen: 20.026 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.9	34.3
87	13.4	10.6	15.8

Manual Integrations
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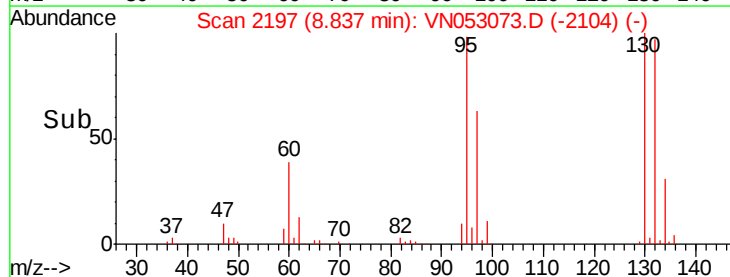
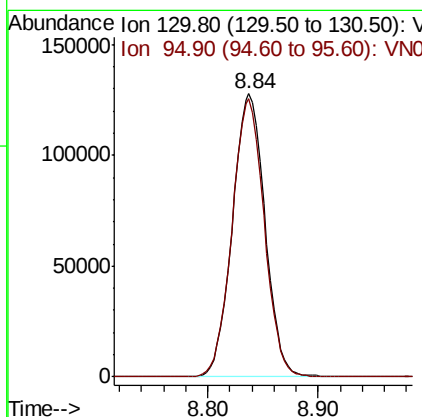
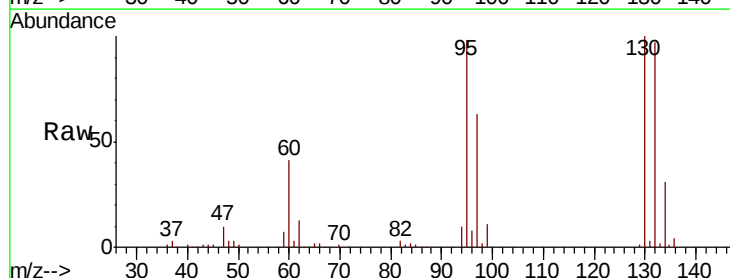
MMDadoda
 12/21/2018 11:31:34 AM

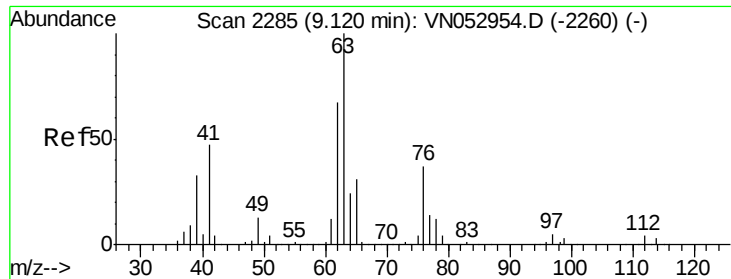


#44

Trichloroethene
 Concen: 18.738 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	197.8





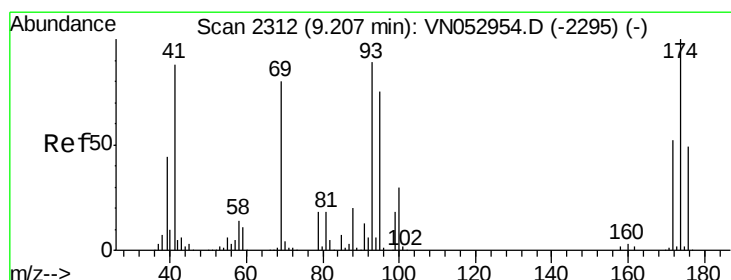
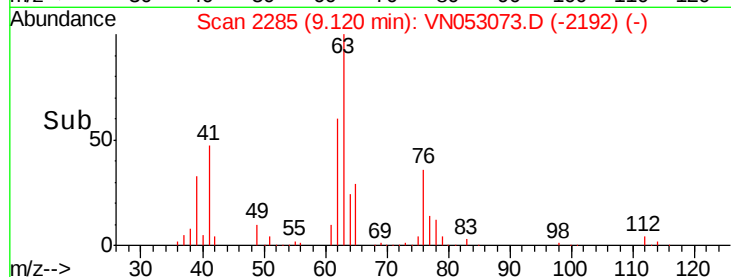
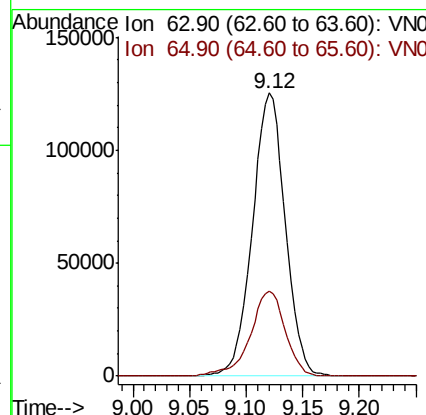
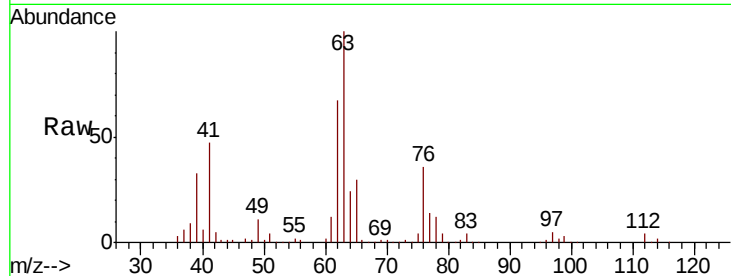
#45
 1,2-Dichloropropane
 Concen: 20.136 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	37.0

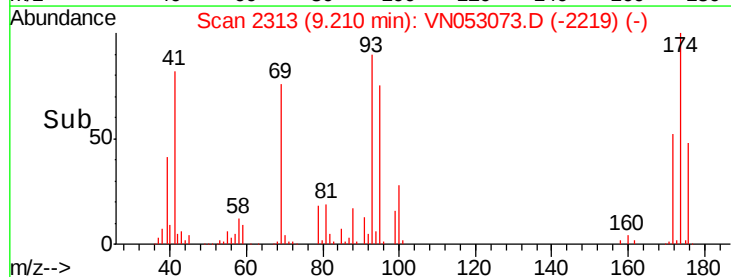
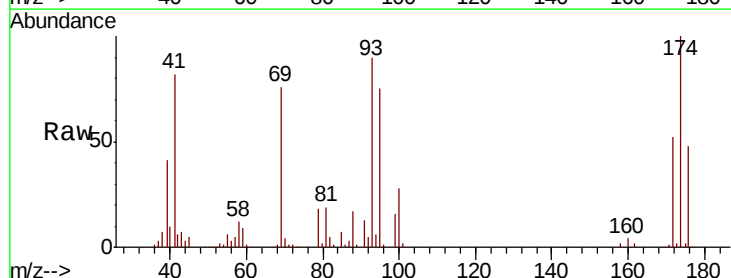
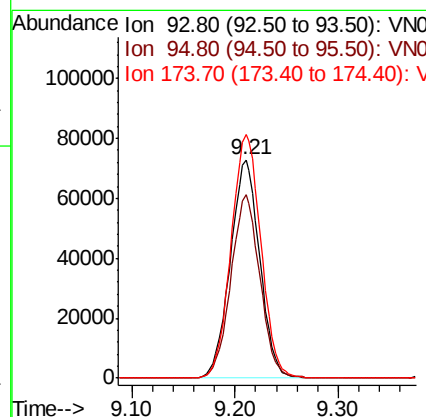
Manual Integrations
 APPROVED

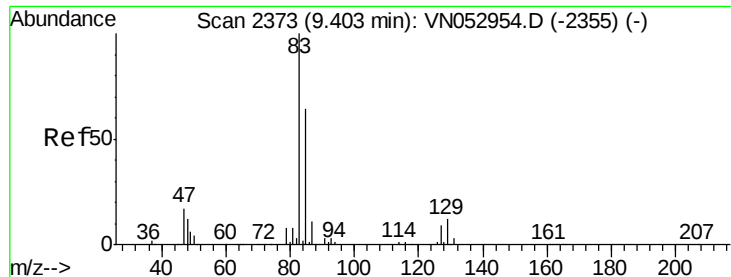
MMDadoda
 12/21/2018 11:31:34 AM



#46
 Dibromomethane
 Concen: 19.860 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.8	101.6
174	112.8	89.0	133.4





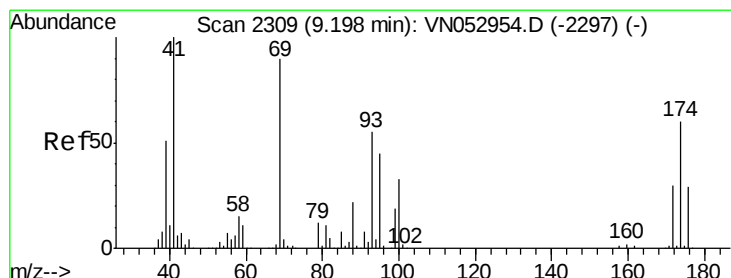
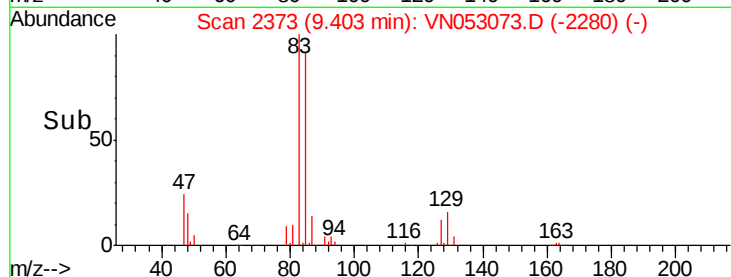
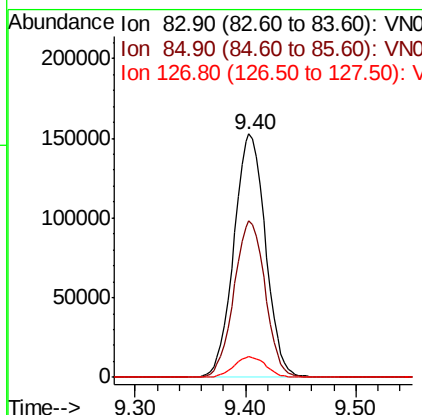
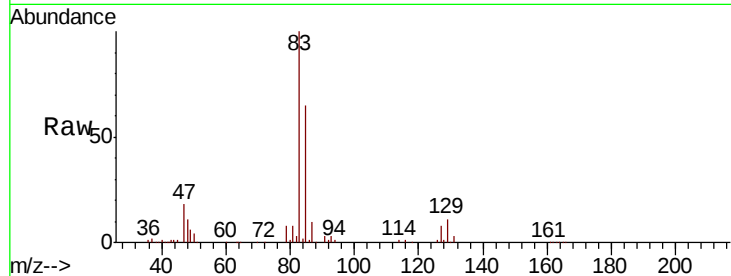
#47
Bromodichloromethane
Concen: 19.503 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.5	51.6	77.4	
127	8.4	7.1	10.7	

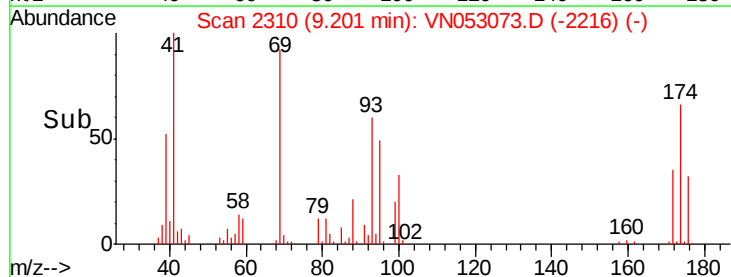
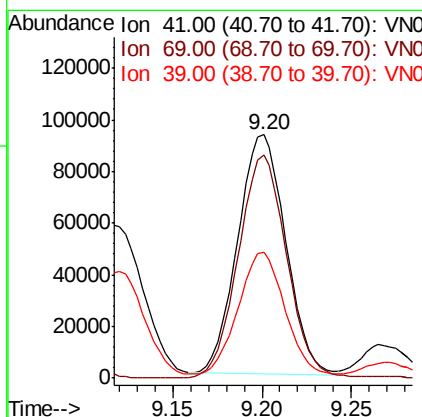
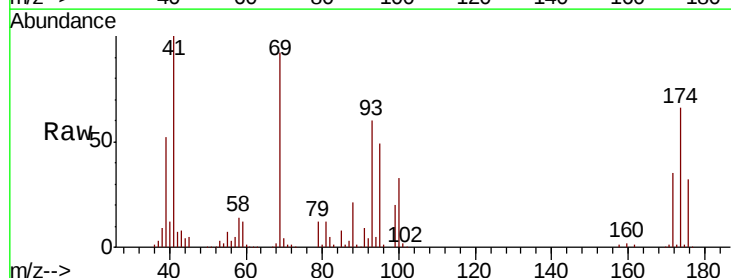
Manual Integrations
APPROVED

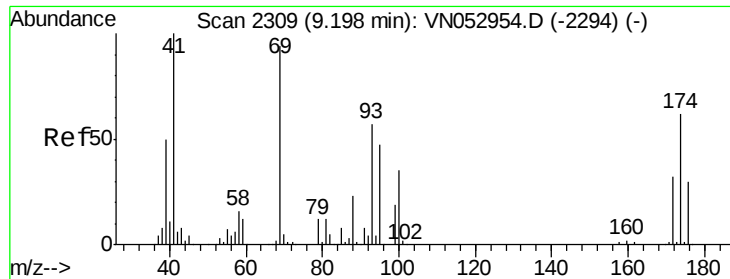
MMDadoda
12/21/2018 11:31:34 AM



#48
Methyl methacrylate
Concen: 19.909 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	94.5	72.2	108.2	
39	52.4	41.9	62.9	





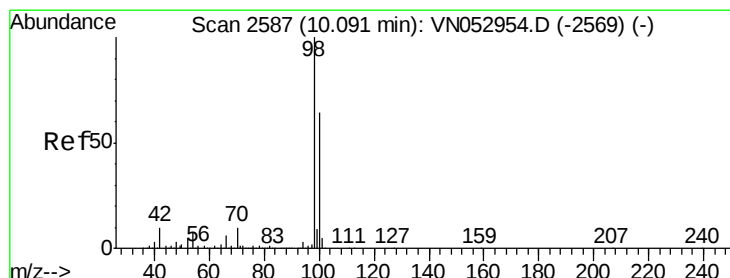
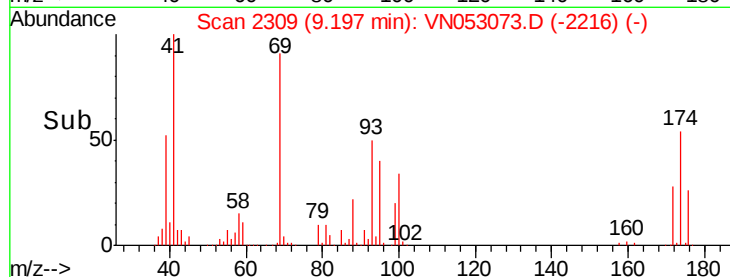
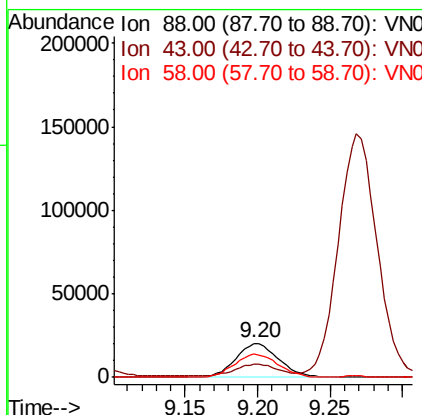
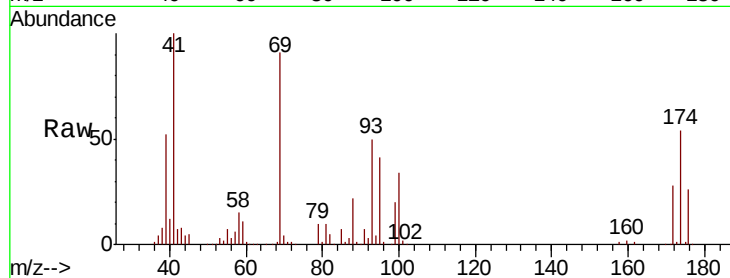
#49
1,4-Dioxane
Concen: 372.620 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	88	Resp	41382
Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.6	40.0
58	70.2	58.4	87.6

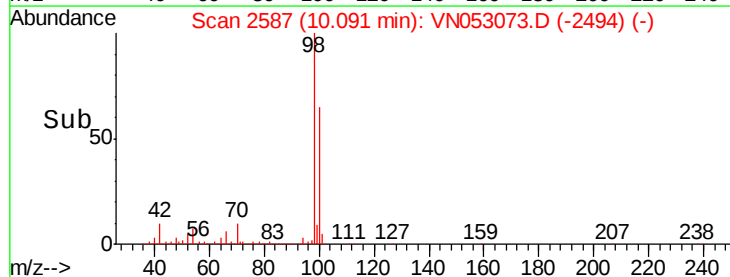
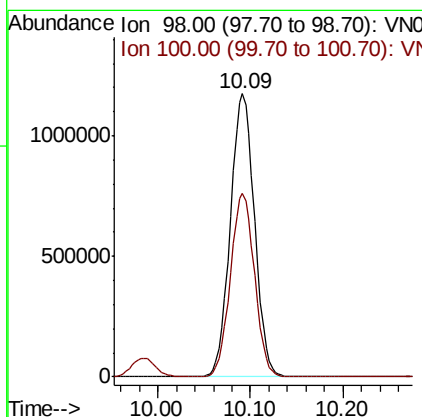
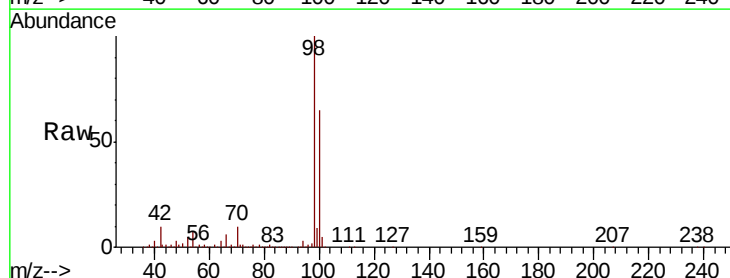
Manual Integrations
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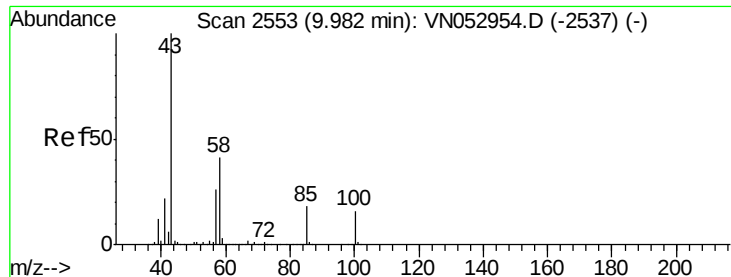
MMDadoda
12/21/2018 11:31:34 AM



#50
Toluene-d8
Concen: 372.620 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	98	Resp	2118057
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 104.698 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion: 43 Resp: 917350

Ion Ratio Lower Upper

43 100

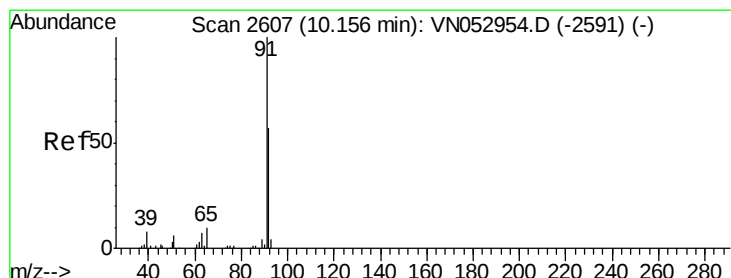
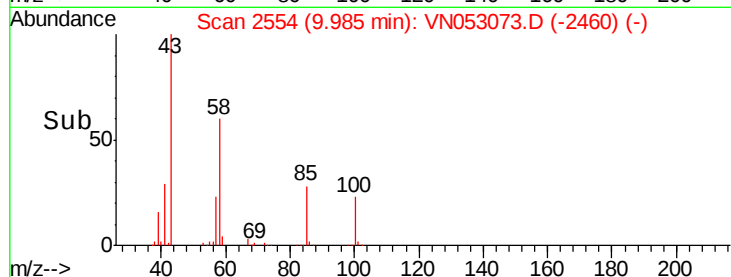
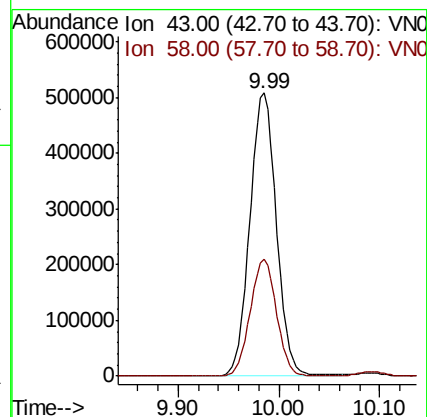
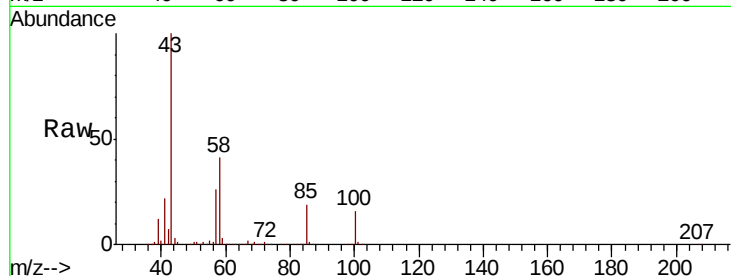
58 41.2 32.2 48.4

Manual Integrations

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MMDadoda

12/21/2018 11:31:34 AM



#52

Toluene

Concen: 19.255 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053073.D

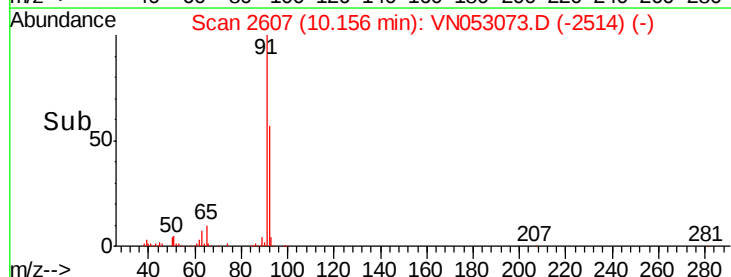
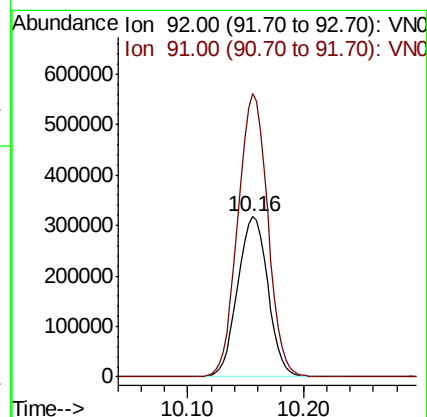
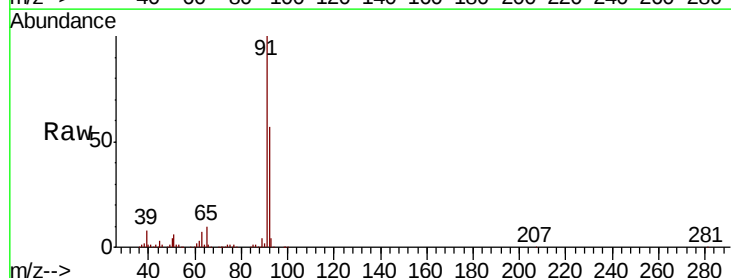
Acq: 20 Dec 2018 23:28

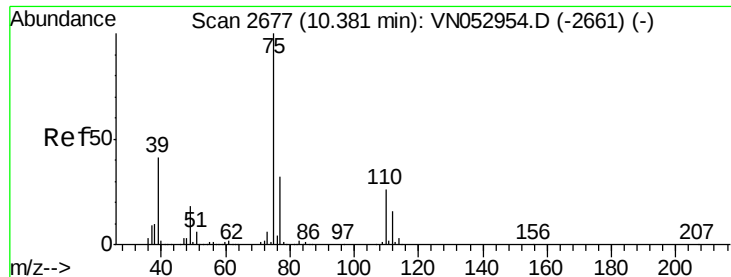
Tgt Ion: 92 Resp: 575360

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.6





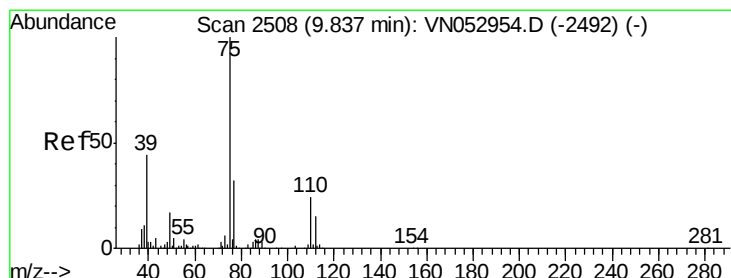
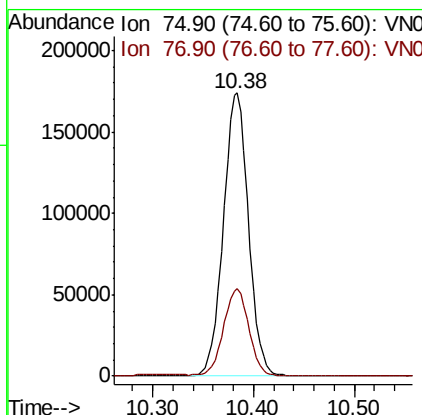
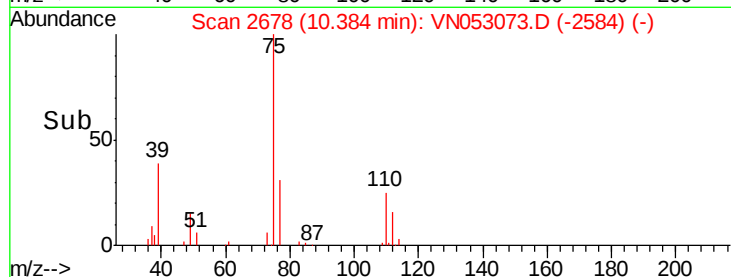
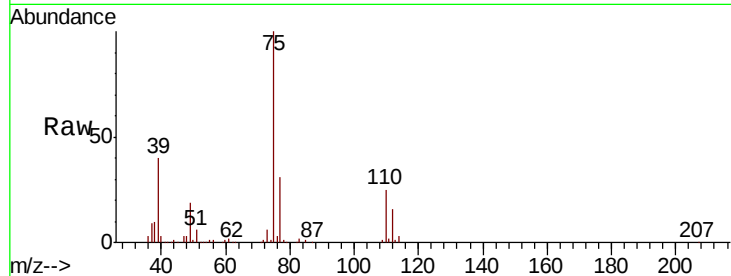
#53
t-1,3-Dichloropropene
Concen: 18.506 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion: 75 Resp: 302583
Ion Ratio Lower Upper
75 100
77 30.8 25.6 38.4

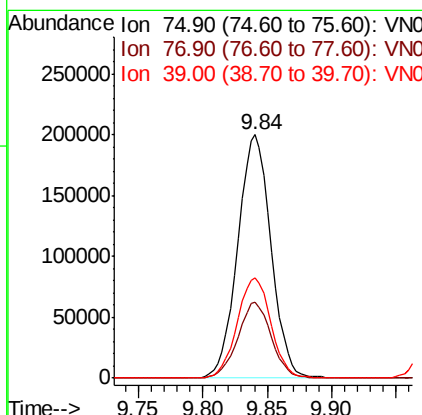
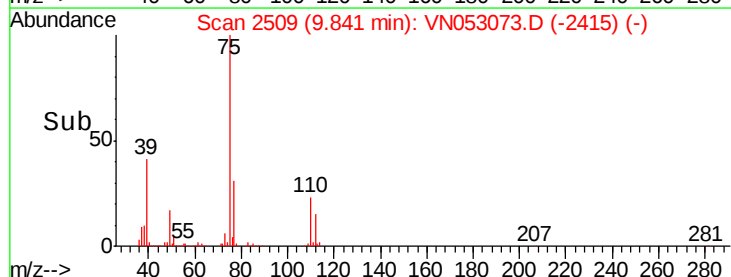
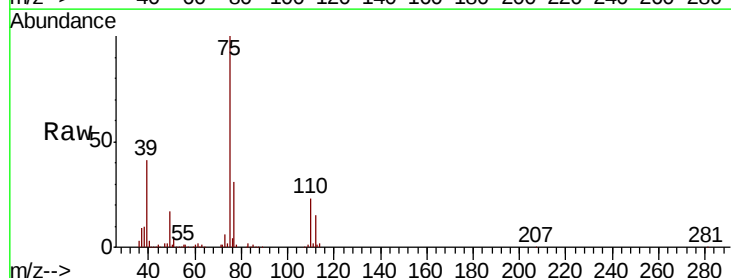
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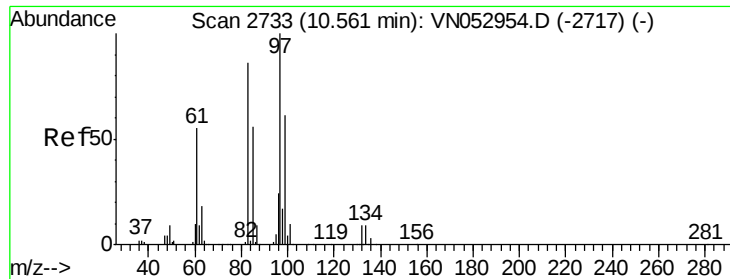
MMDadoda
12/21/2018 11:31:34 AM



#54
cis-1,3-Dichloropropene
Concen: 19.086 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion: 75 Resp: 358187
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
39 40.9 34.8 52.2





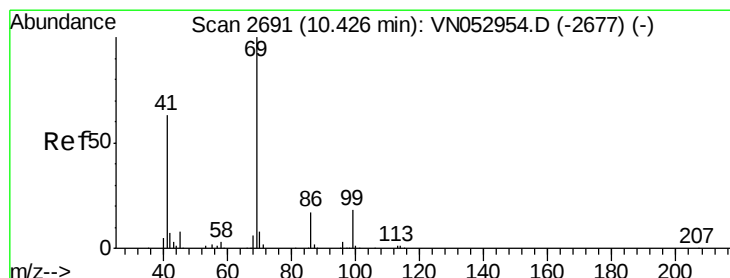
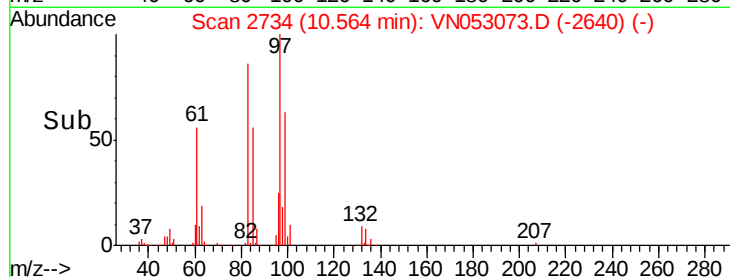
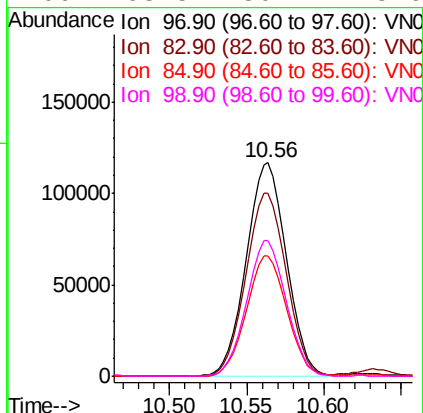
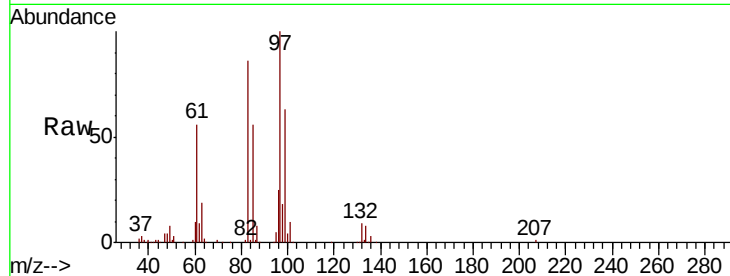
#55
 1,1,2-Trichloroethane
 Concen: 20.283 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion:	97	Resp:	211437
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.9	106.3
85	56.4	45.4	68.2
99	63.5	50.4	75.6

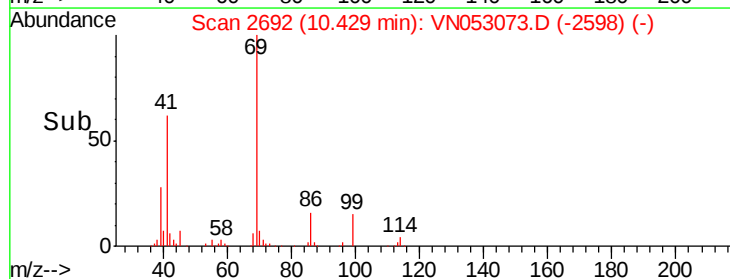
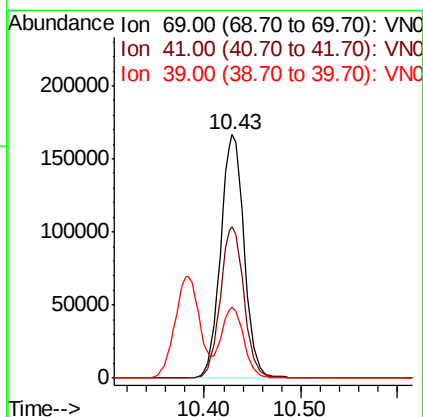
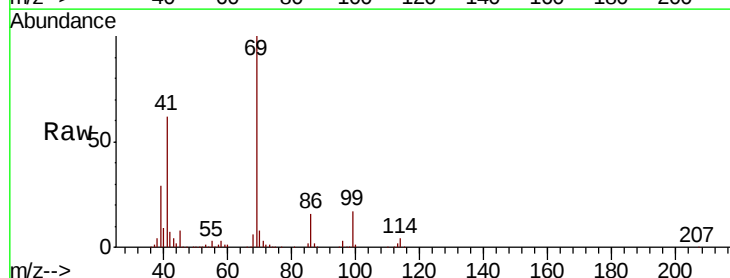
Manual Integrations
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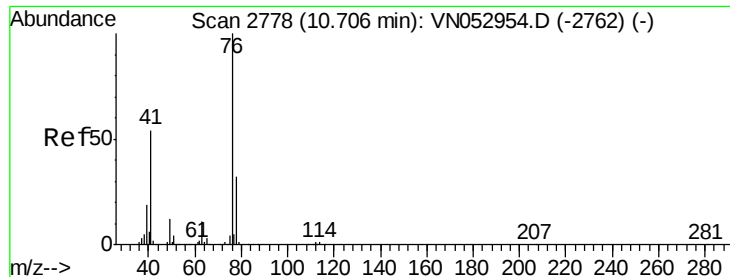
MMDadoda
 12/21/2018 11:31:34 AM



#56
 Ethyl methacrylate
 Concen: 20.279 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion:	69	Resp:	279806
Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.7	77.5
39	28.3	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.010 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion: 76 Resp: 357704

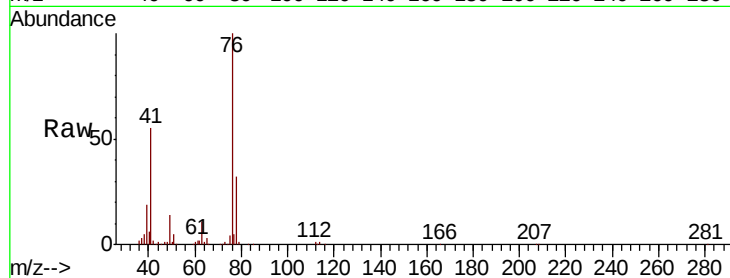
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8

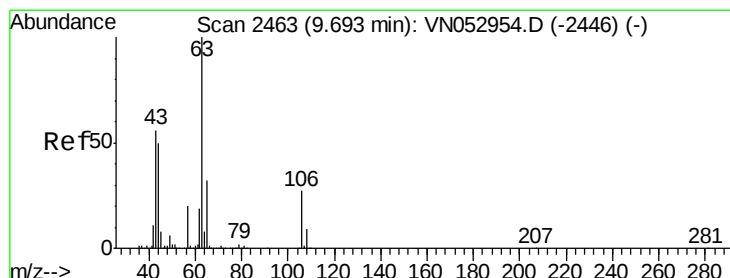
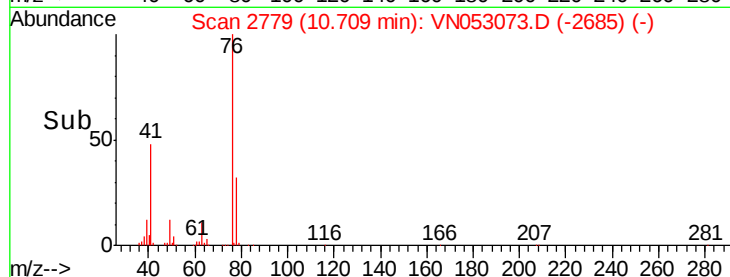
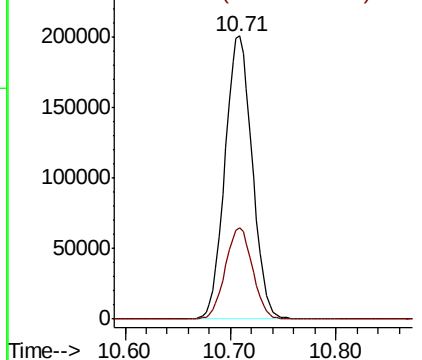
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.607 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053073.D

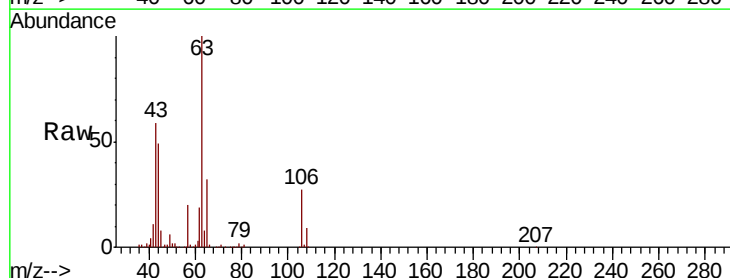
Acq: 20 Dec 2018 23:28

Tgt Ion: 63 Resp: 784809

Ion Ratio Lower Upper

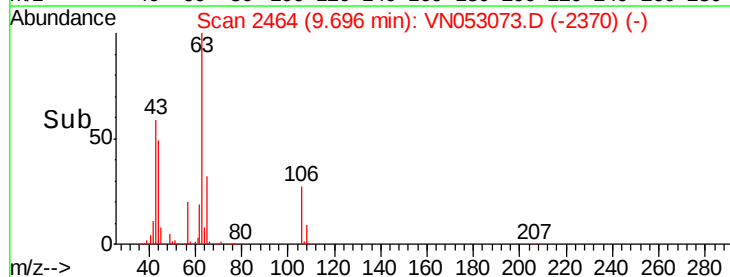
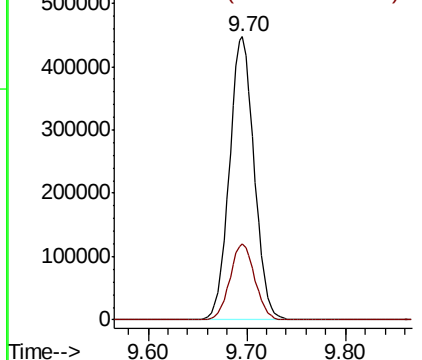
63 100

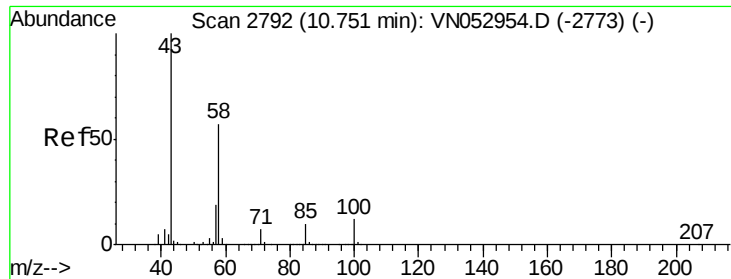
106 27.1 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





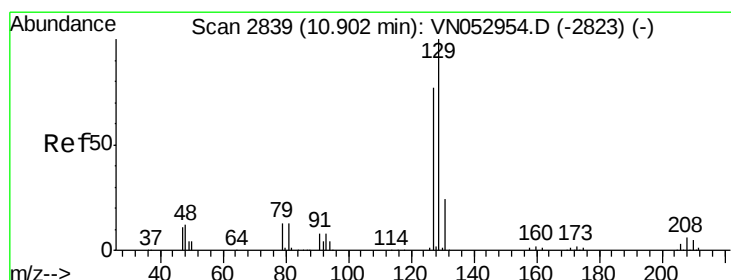
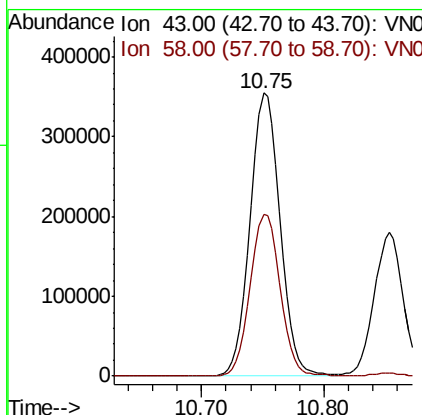
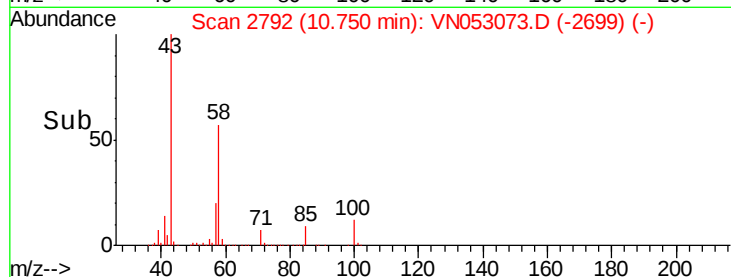
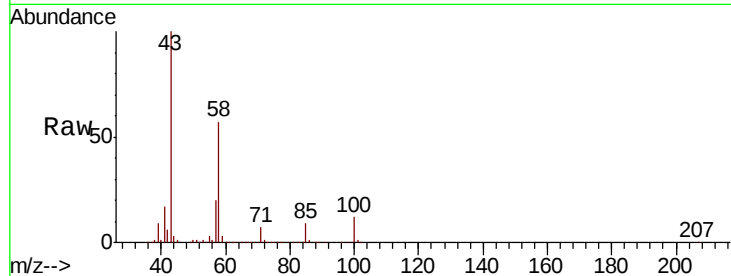
#59
2-Hexanone
Concen: 101.086 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	28.1	84.3

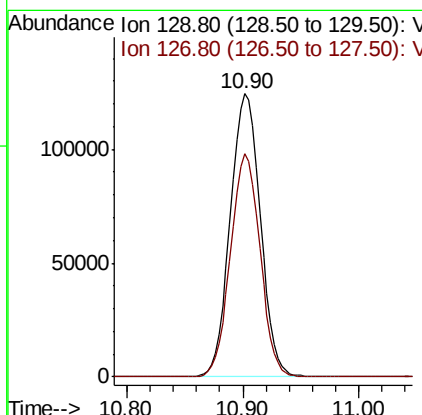
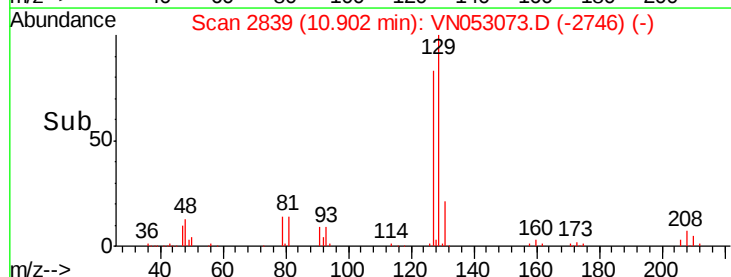
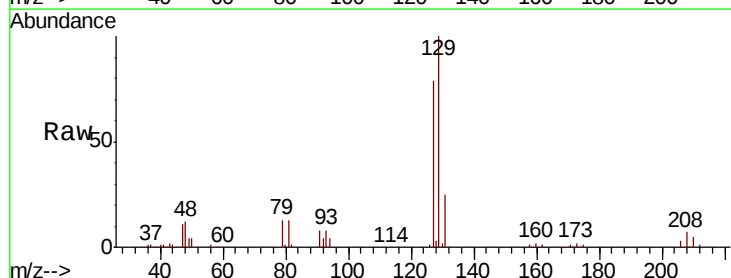
Manual Integrations
APPROVED

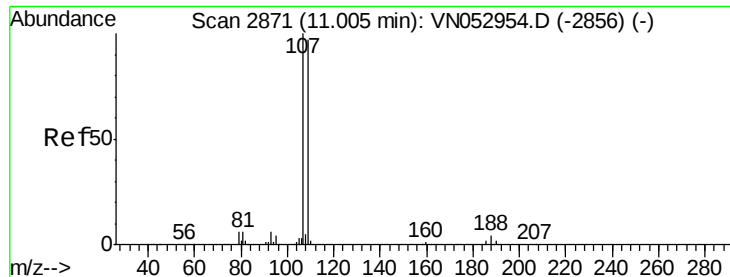
MMDadoda
12/21/2018 11:31:34 AM



#60
Dibromochloromethane
Concen: 18.827 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	116.0





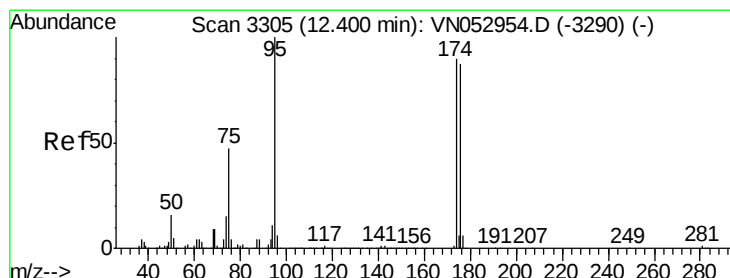
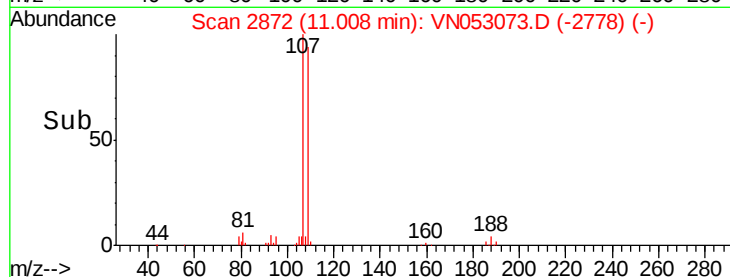
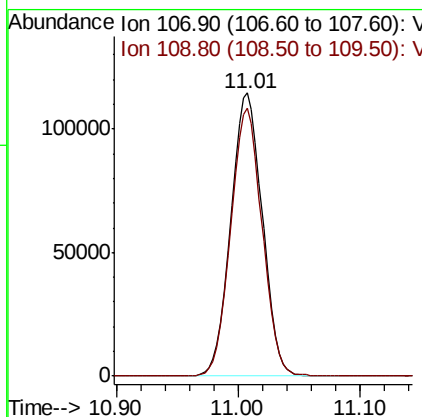
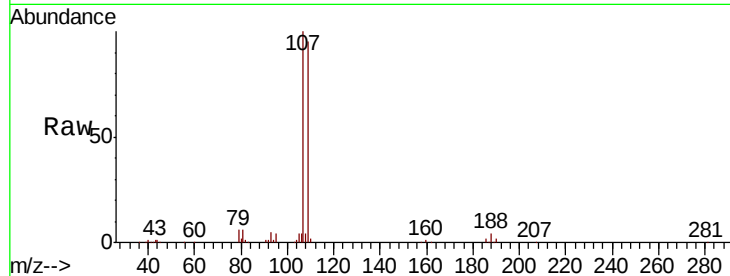
#61
 1,2-Dibromoethane
 Concen: 19.419 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

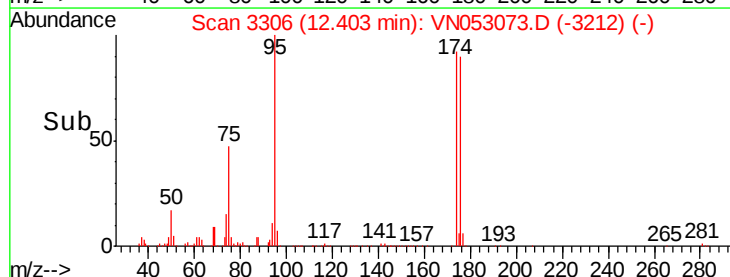
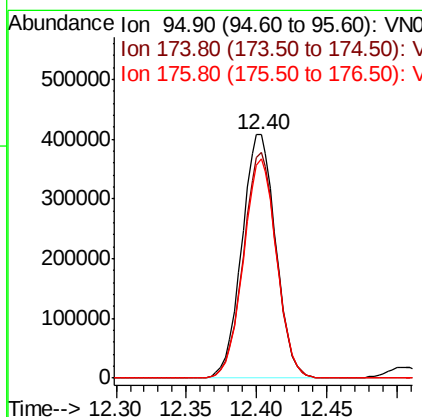
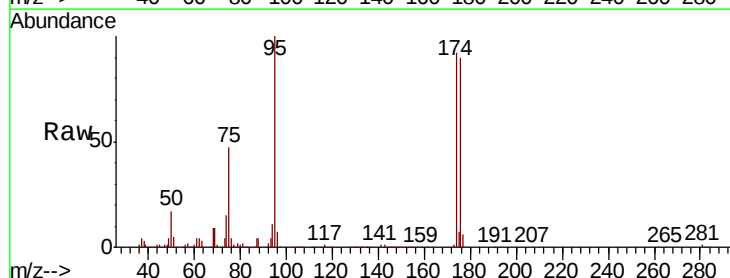
Manual Integrations
 APPROVED

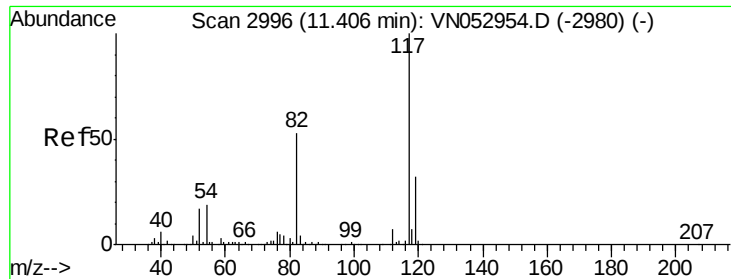
MMDadoda
 12/21/2018 11:31:34 AM



#62
 4-Bromofluorobenzene
 Concen: 19.419 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	178.8
176	88.2	0.0	173.8





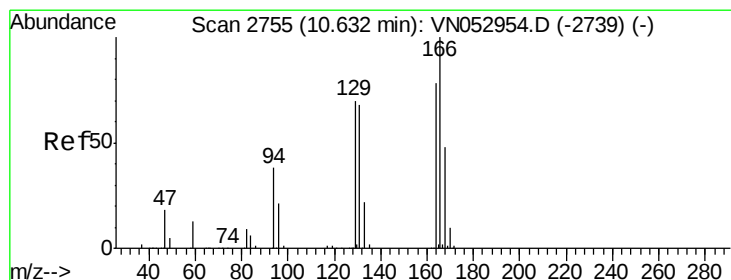
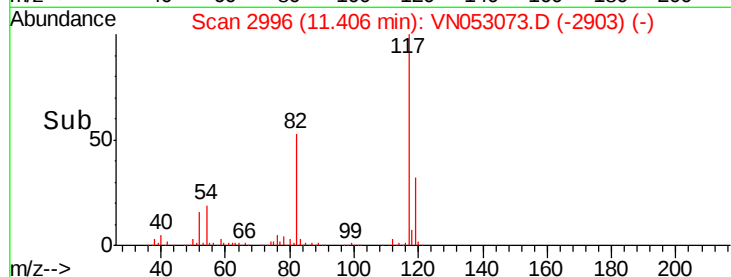
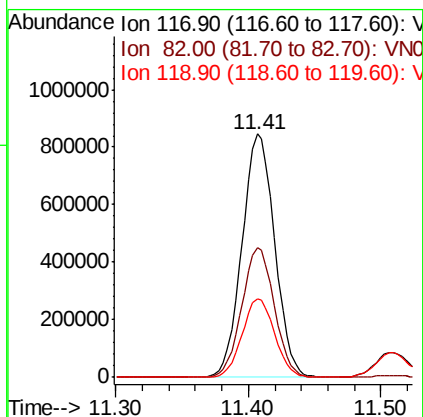
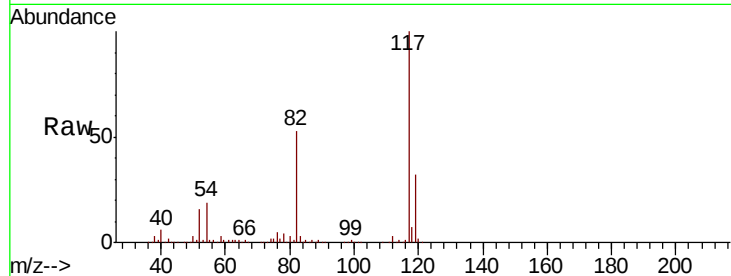
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.8	64.2
119	32.4	25.5	38.3

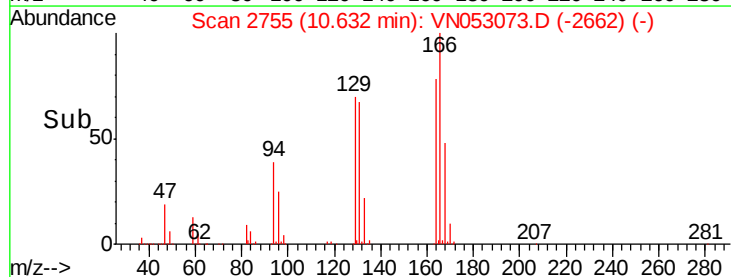
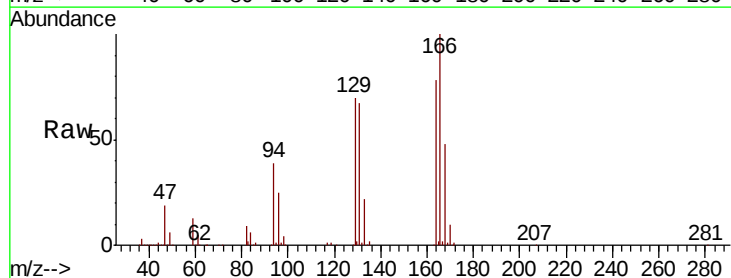
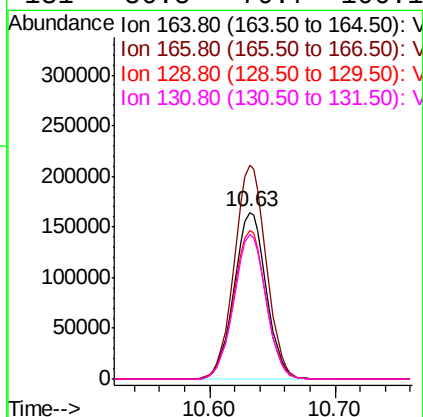
Manual Integrations
APPROVED

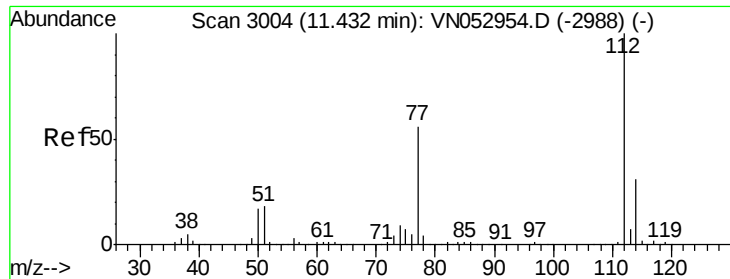
MMDadoda
12/21/2018 11:31:34 AM



#64
Tetrachloroethene
Concen: 18.663 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.9	154.3
129	89.1	73.7	110.5
131	86.5	70.7	106.1





#65

Chlorobenzene

Concen: 19.417 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion:112 Resp: 621866

Ion Ratio Lower Upper

112 100

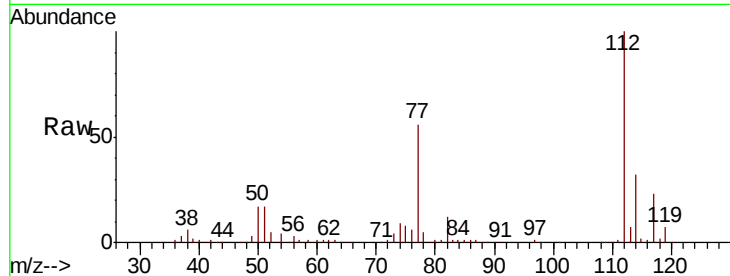
114 32.1 25.5 38.3

Manual Integrations

APPROVED

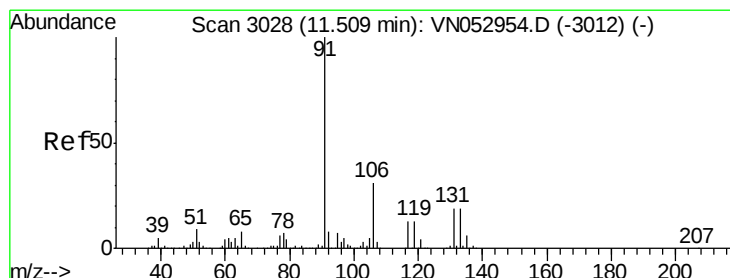
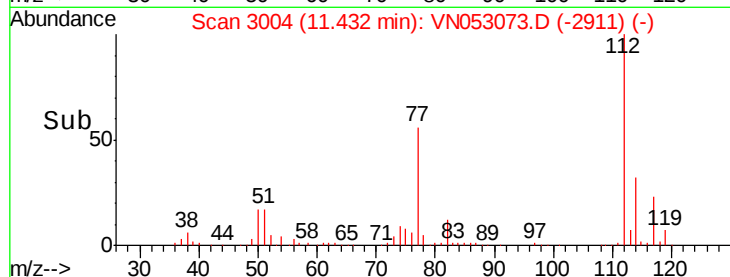
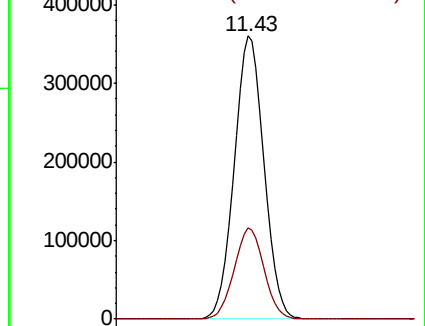
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.894 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

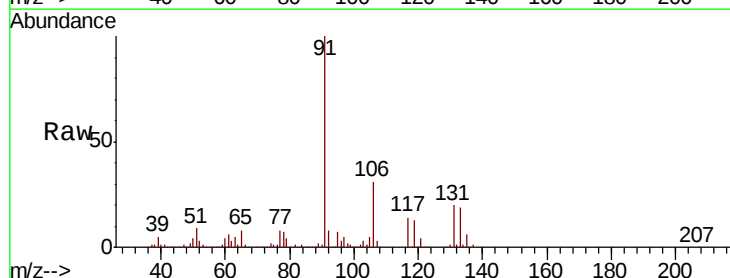
Tgt Ion:131 Resp: 221575

Ion Ratio Lower Upper

131 100

133 96.4 47.6 142.9

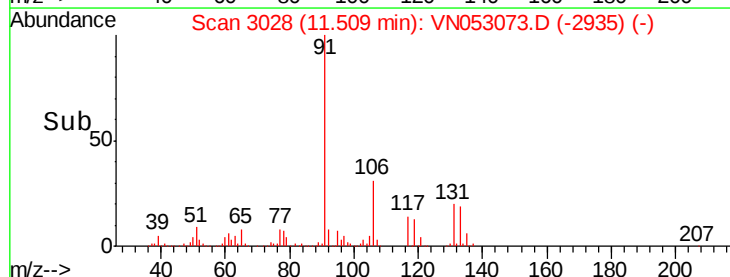
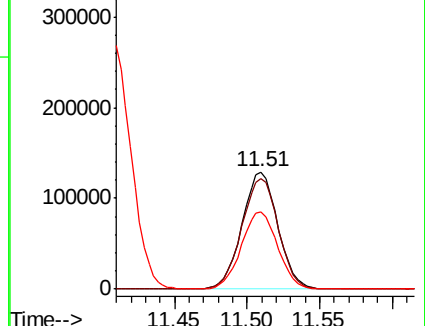
119 67.2 33.3 99.8



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: 19.322 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion: 91 Resp: 1064252

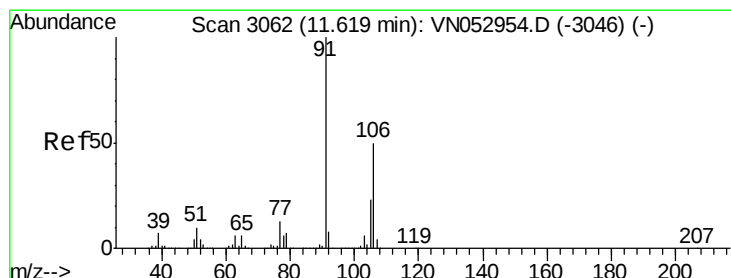
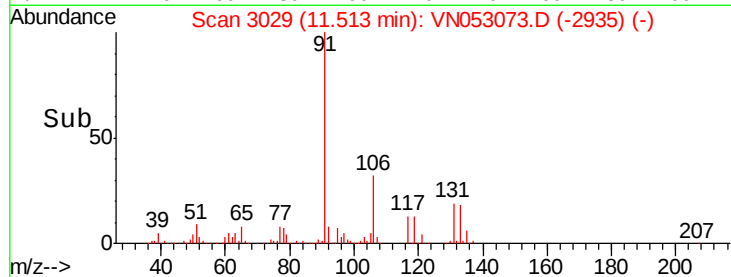
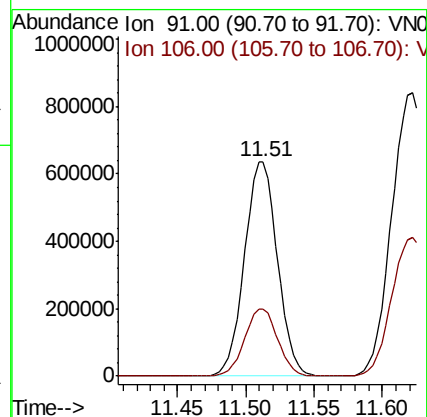
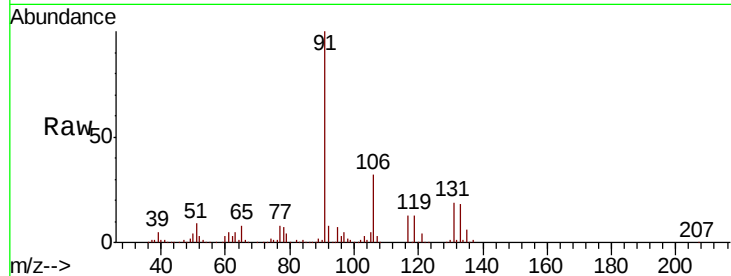
Ion Ratio Lower Upper

91 100

106 31.6 24.9 37.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.871 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053073.D

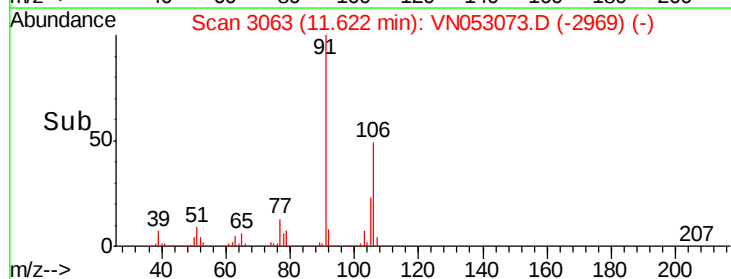
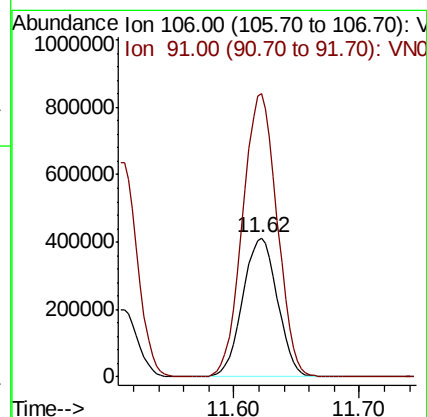
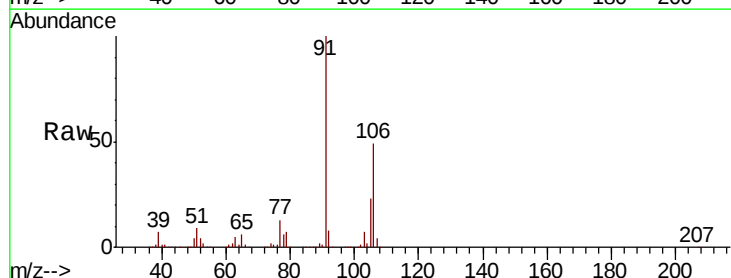
Acq: 20 Dec 2018 23:28

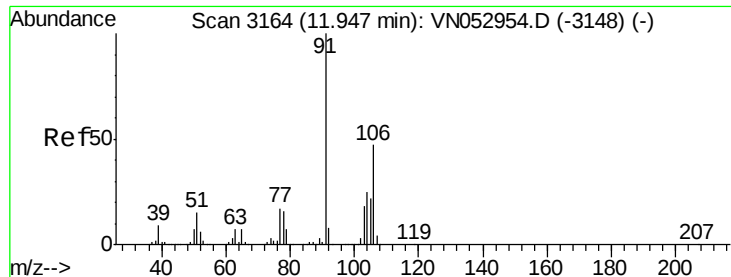
Tgt Ion: 106 Resp: 792969

Ion Ratio Lower Upper

106 100

91 202.6 162.2 243.4





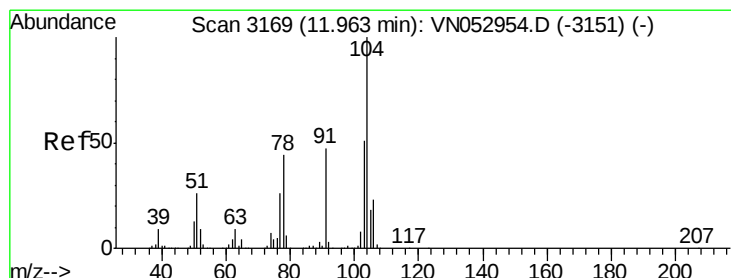
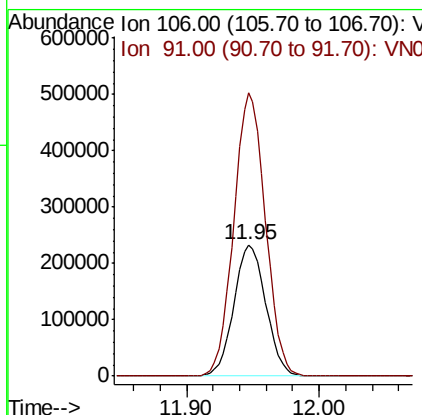
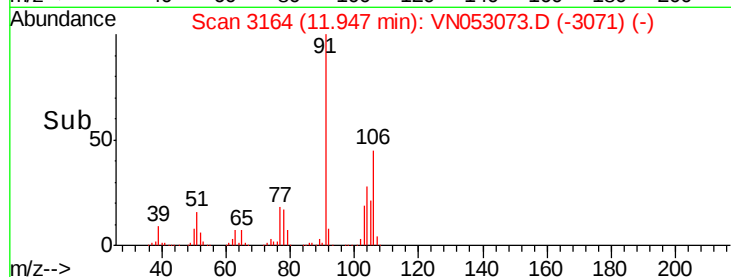
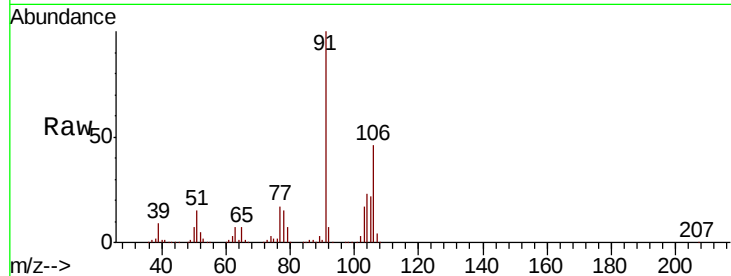
#69
o-Xylene
Concen: 19.346 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.6	106.6	319.8

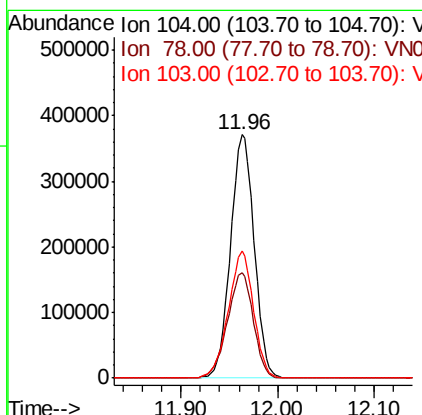
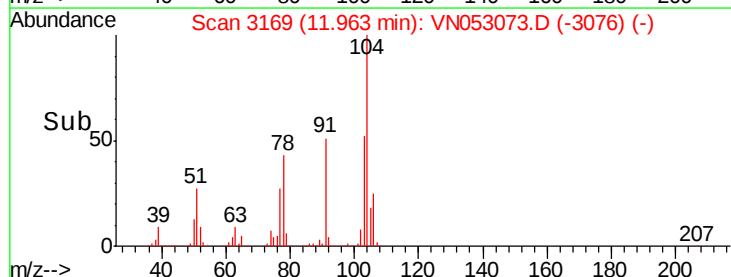
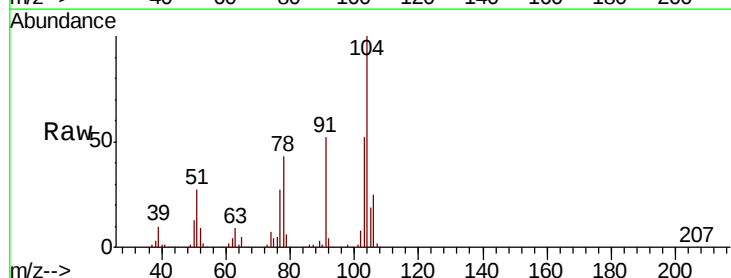
Manual Integrations
APPROVED

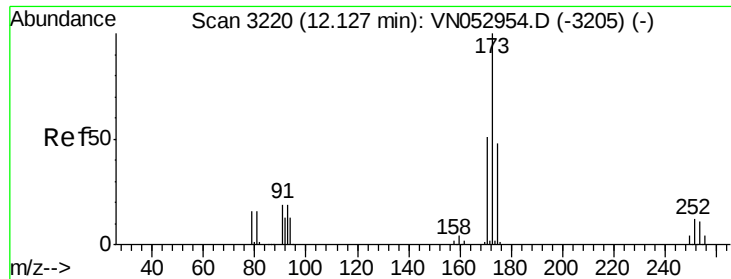
MMDadoda
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#70
Styrene
Concen: 19.272 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.9	58.3
103	55.3	44.3	66.5





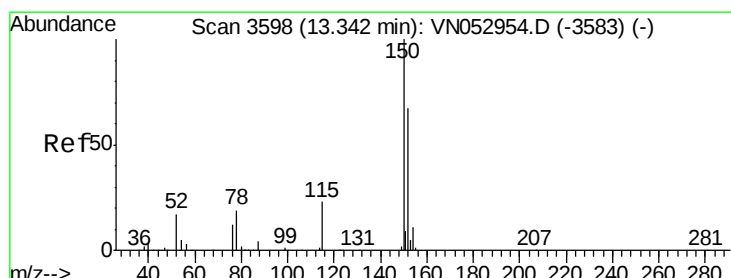
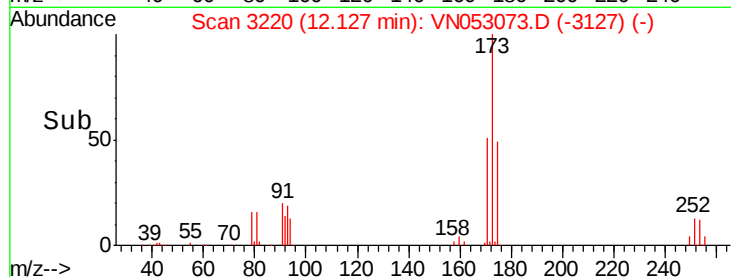
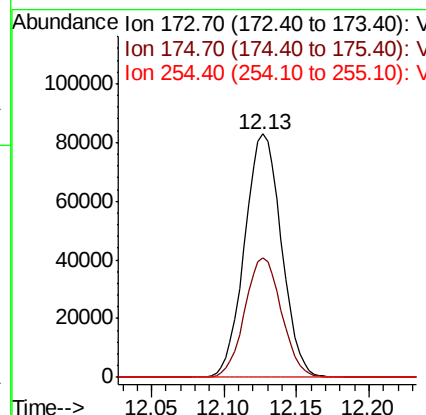
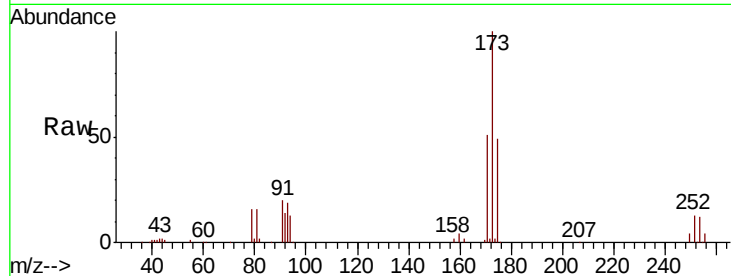
#71
Bromoform
Concen: 18.224 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.9
254	0.1	0.1	0.1

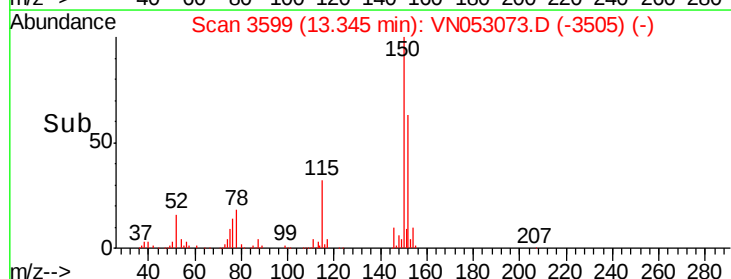
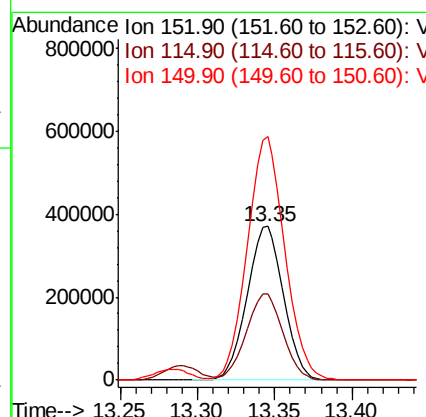
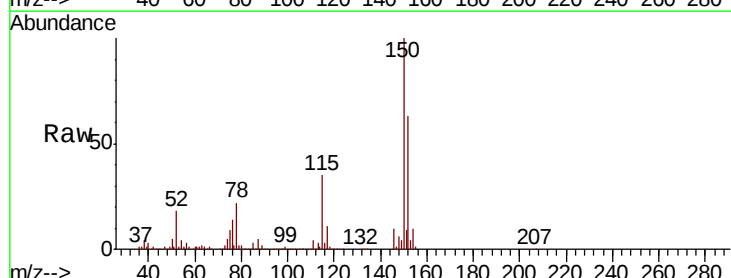
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	85.0
150	163.7	0.0	347.8





#73

Isopropylbenzene

Concen: 21.694 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion: 105 Resp: 1027593

Ion Ratio Lower Upper

105 100

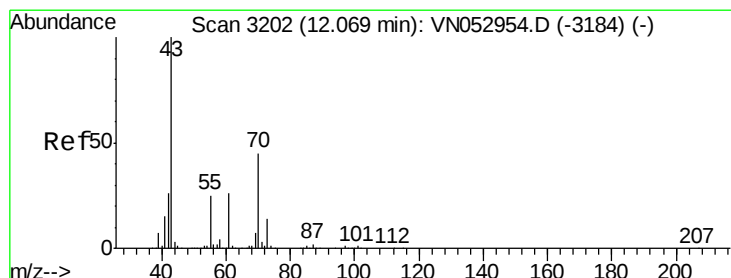
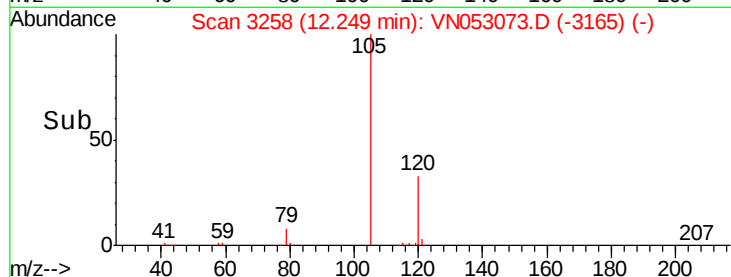
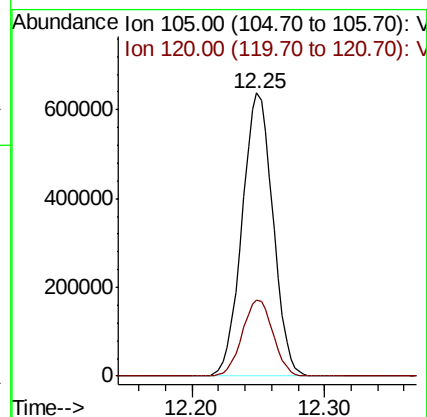
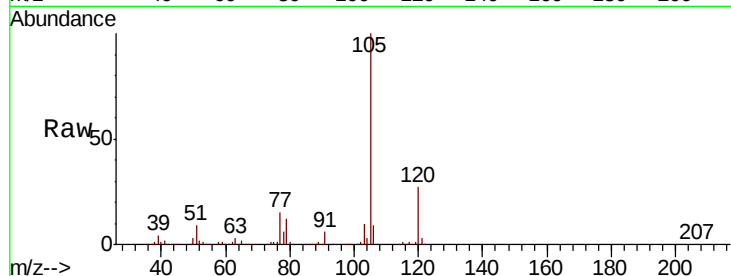
120 26.9 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.027 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Tgt Ion: 43 Resp: 289673

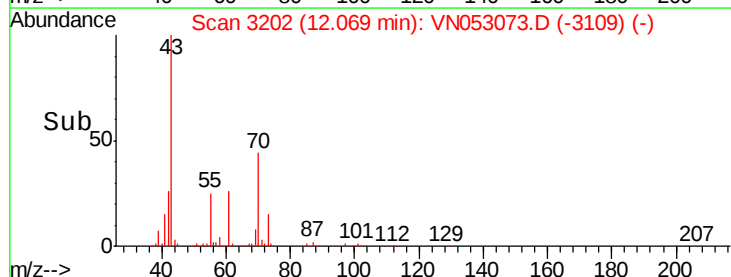
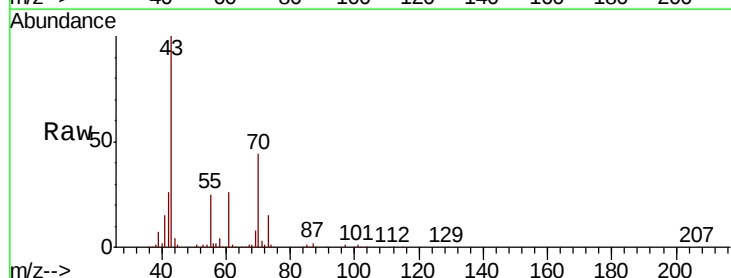
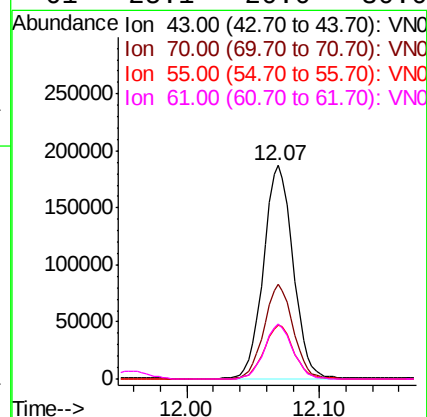
Ion Ratio Lower Upper

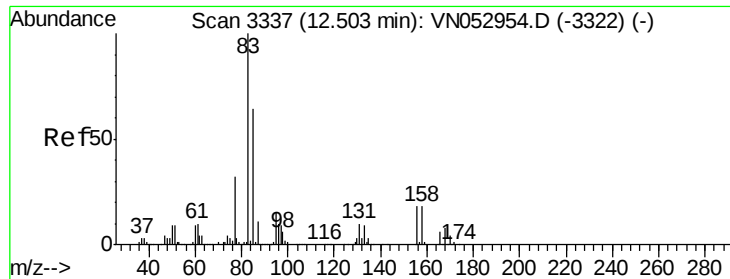
43 100

70 43.8 34.2 51.4

55 25.5 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.807 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

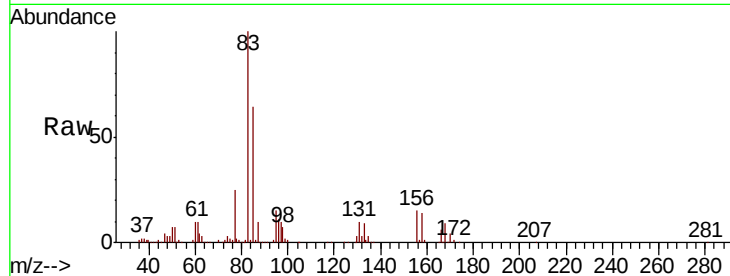
ClientSampleId :

VN1220WBSD02

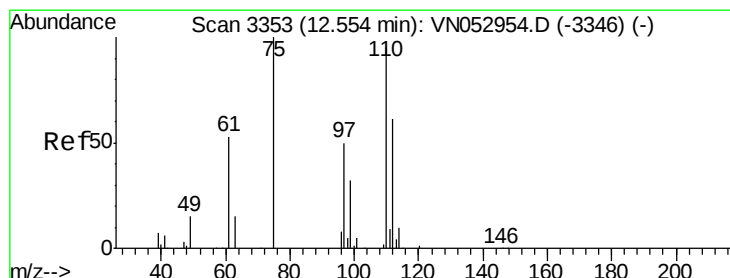
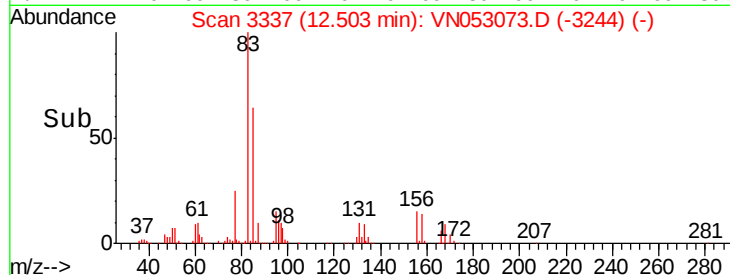
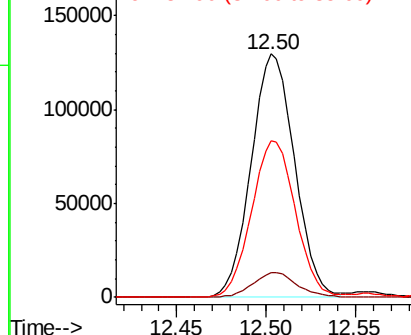
Tot Ion:	83	Resp:	221231
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.8	32.4	97.0

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



#76

1,2,3-Trichloropropane

Concen: 20.731 ug/l m

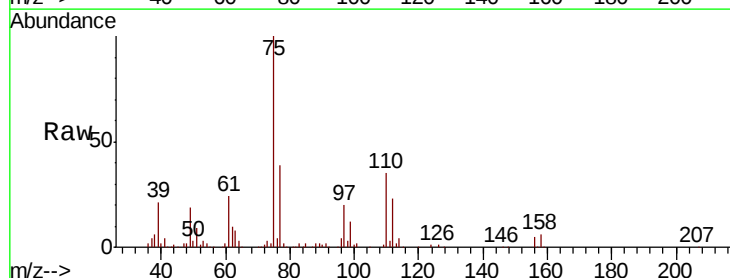
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

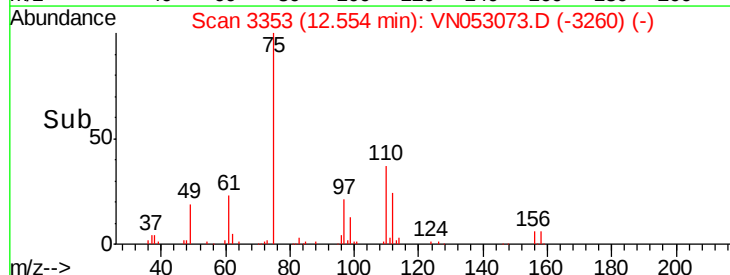
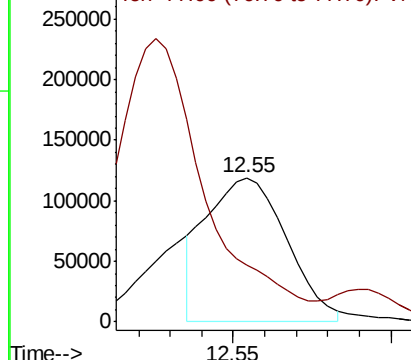
Lab File: VN053073.D

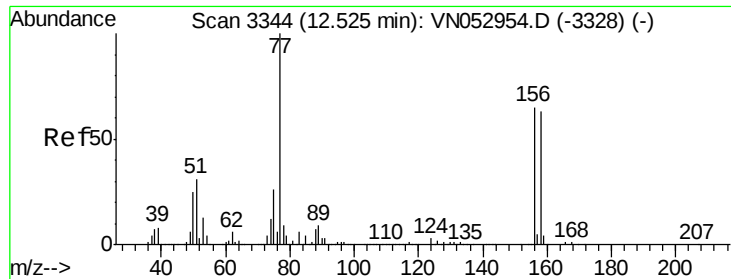
Acq: 20 Dec 2018 23:28

Tgt Ion:	75	Resp:	211276
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 20.984 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

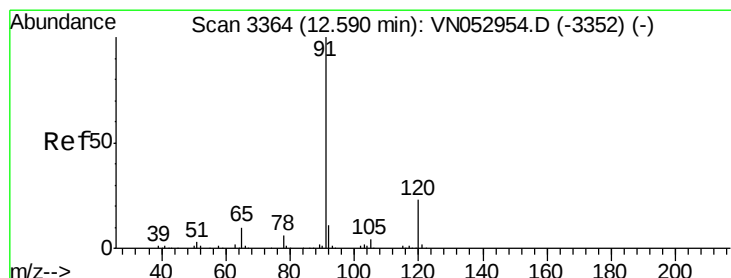
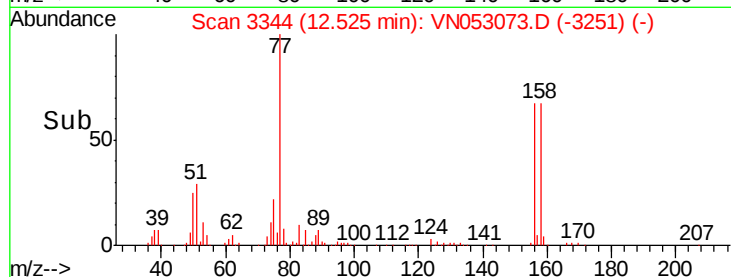
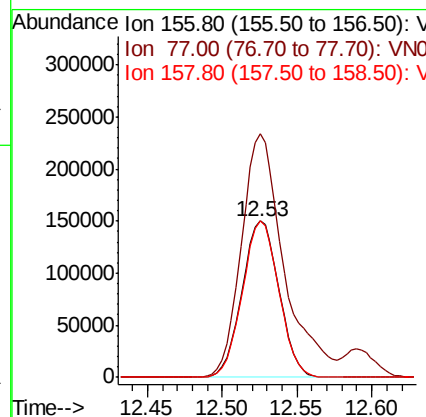
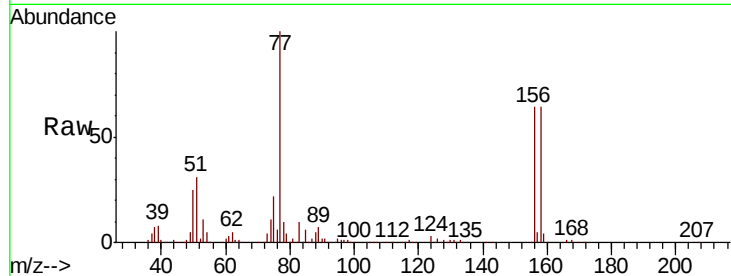
ClientSampleId :

VN1220WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		258375		
77	179.9	91.3	273.8		
158	98.6	49.0	147.2		

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#78

n-propylbenzene

Concen: 20.719 ug/l

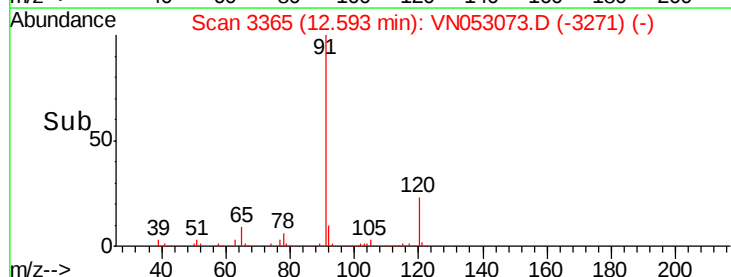
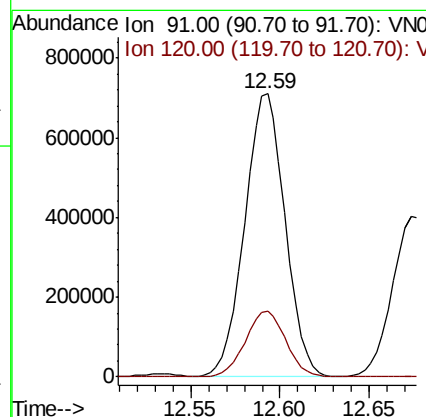
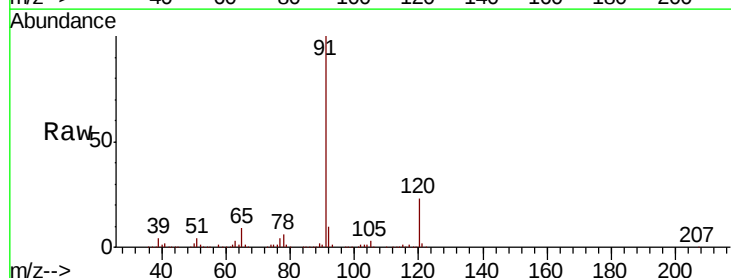
RT: 12.59 min Scan# 3365

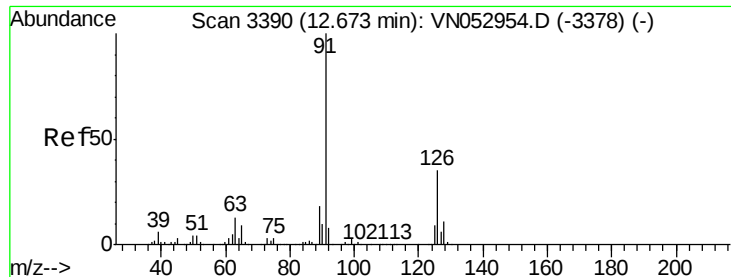
Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1117726		
120	23.3	11.5	34.5		





#79

2-Chlorotoluene

Concen: 19.887 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD02

Tot Ion: 91 Resp: 665019

Ion Ratio Lower Upper

91 100

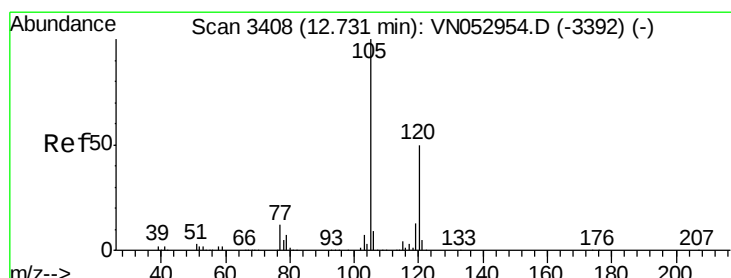
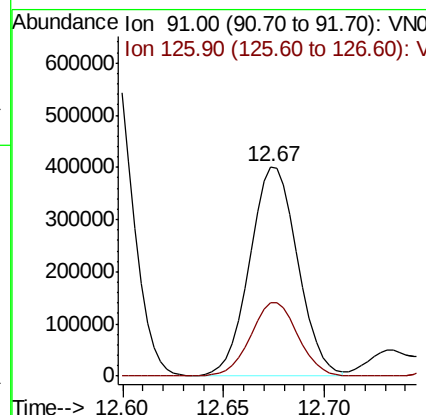
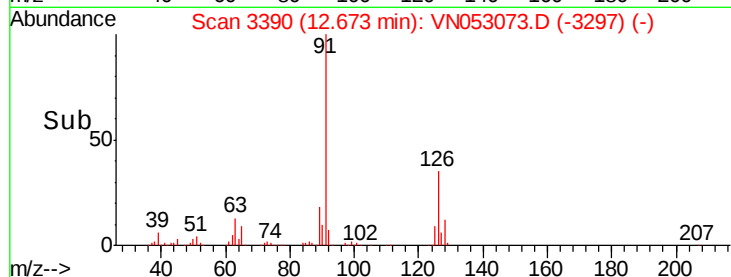
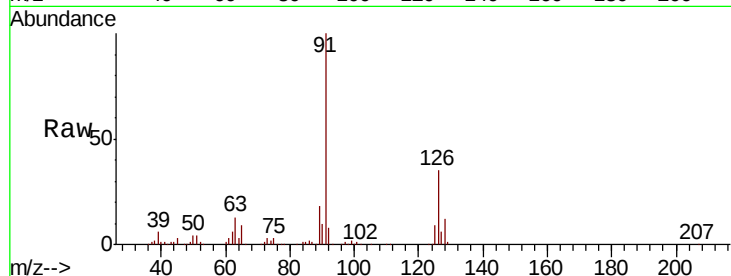
126 35.1 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.408 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053073.D

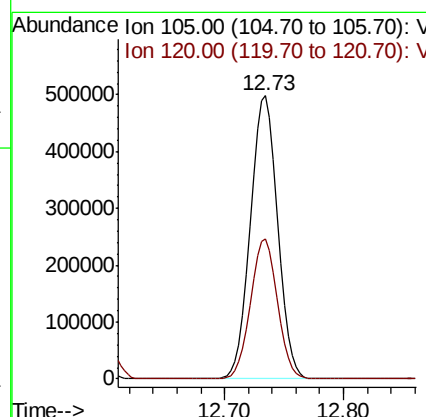
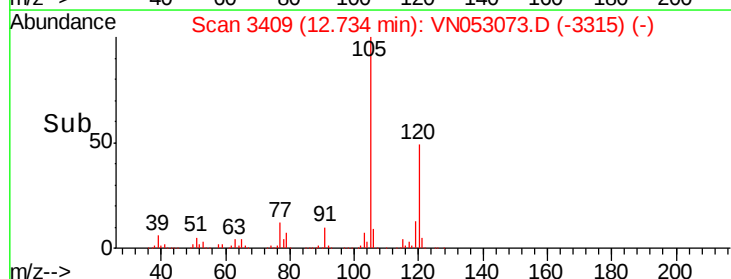
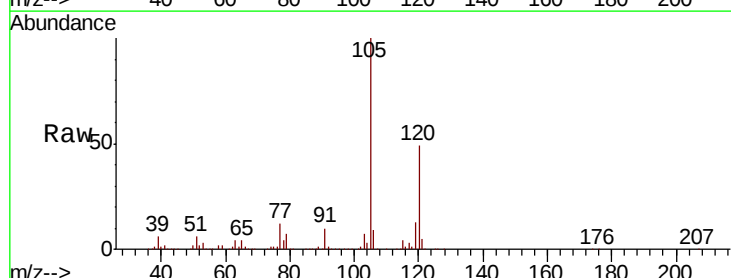
Acq: 20 Dec 2018 23:28

Tgt Ion: 105 Resp: 787911

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





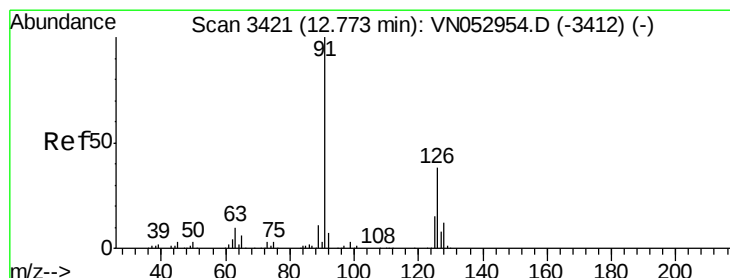
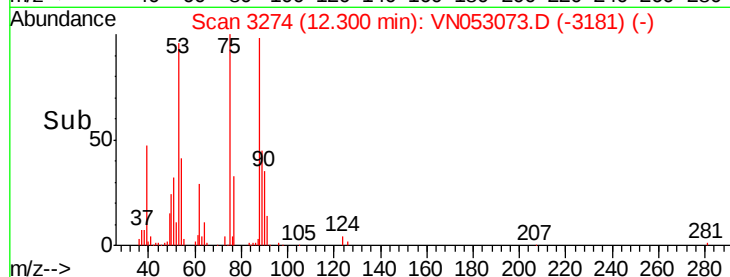
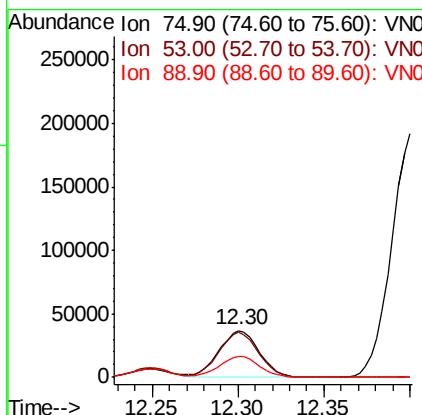
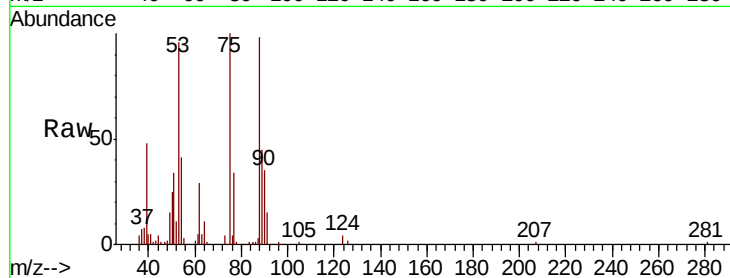
#81
trans-1,4-Dichloro-2-butene
Concen: 19.204 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	74.7	112.1
89	43.7	36.1	54.1

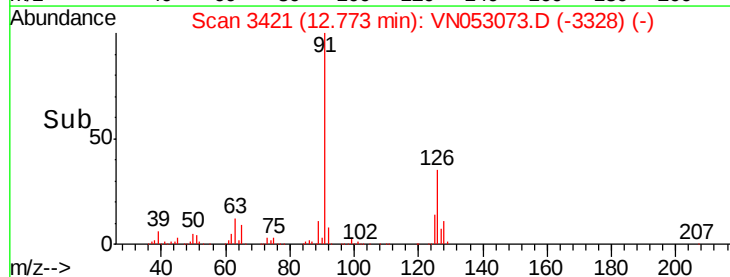
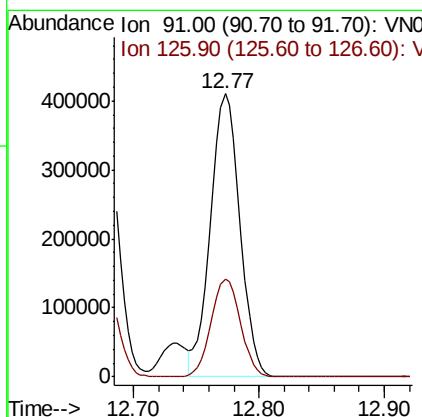
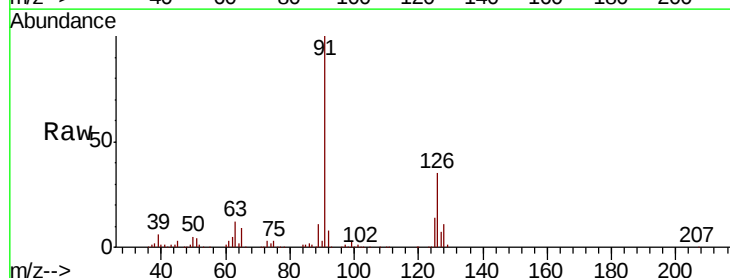
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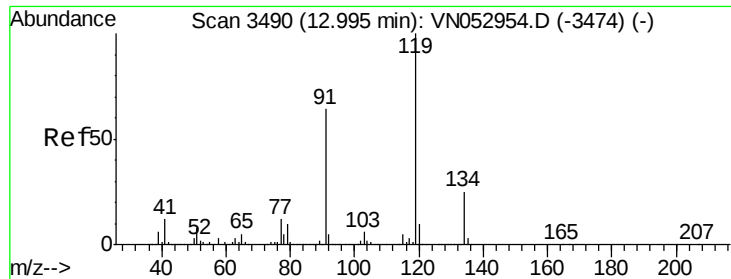
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.423 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.7





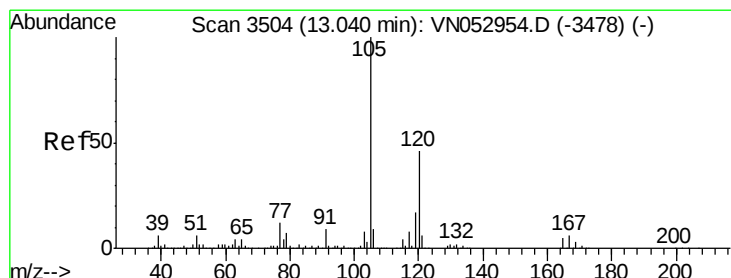
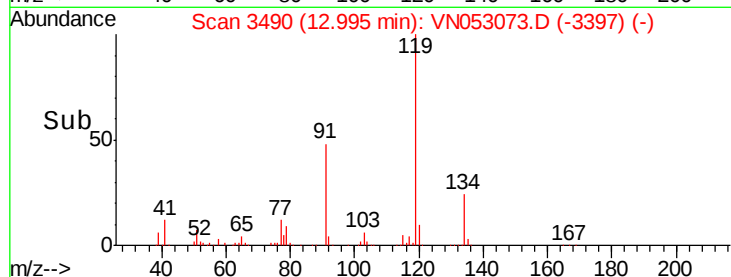
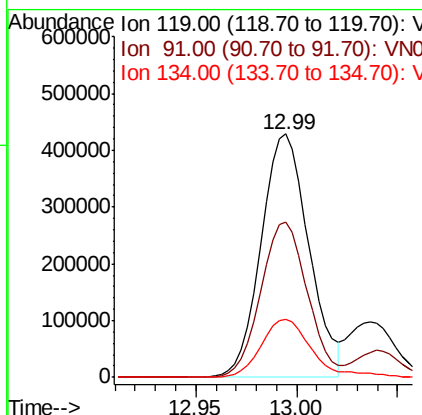
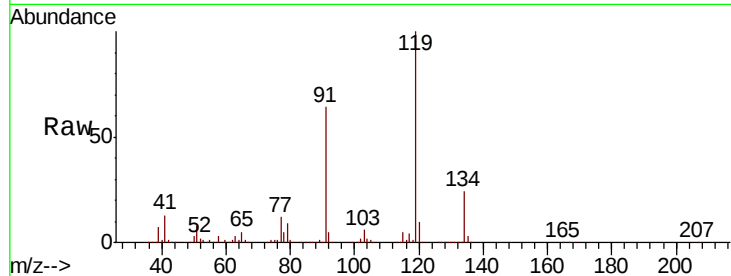
#83
tert-Butylbenzene
Concen: 20.690 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	706462		
91	62.2		31.9	95.5
134	25.6		12.8	38.4

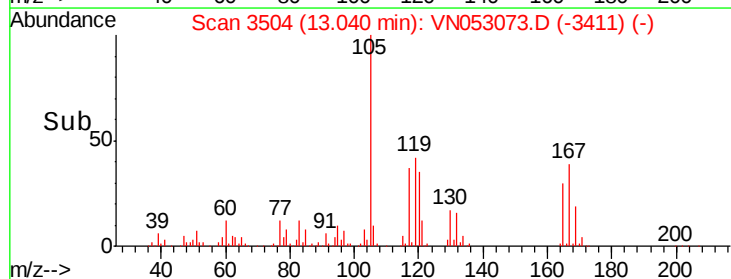
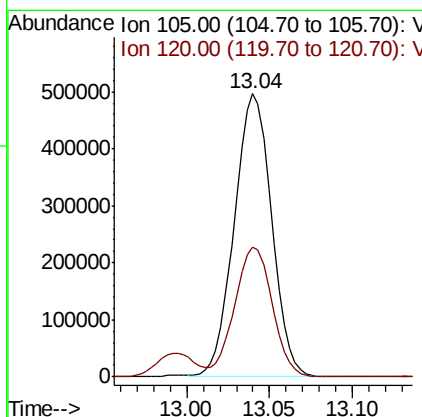
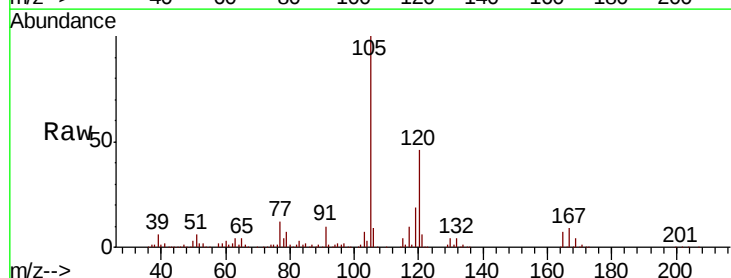
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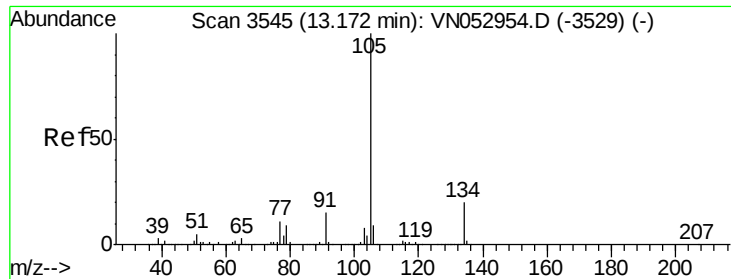
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#84
1,2,4-Trimethylbenzene
Concen: 20.098 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	780051		
120	46.2		22.9	68.8





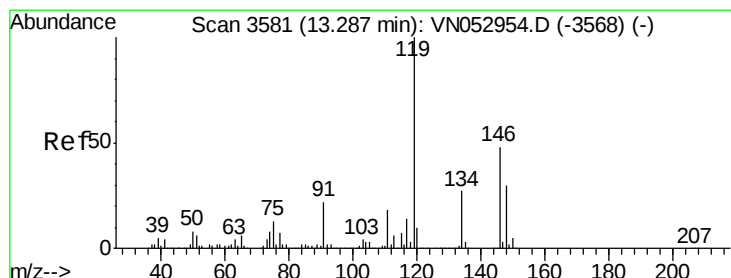
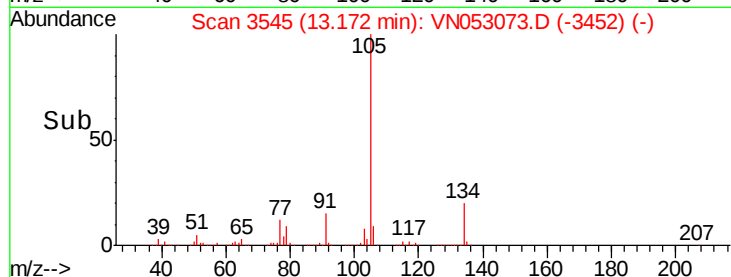
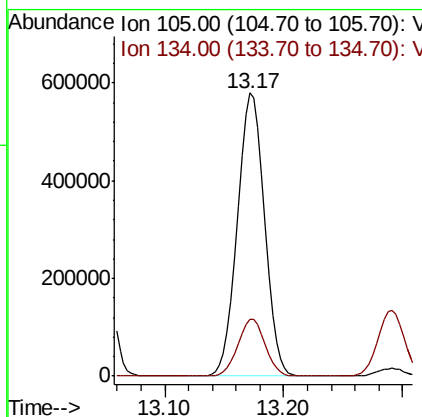
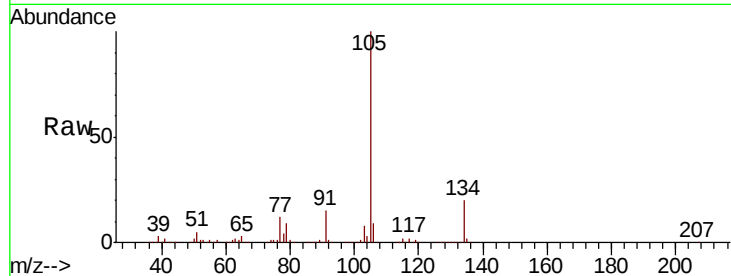
#85
 sec-Butylbenzene
 Concen: 19.832 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.3

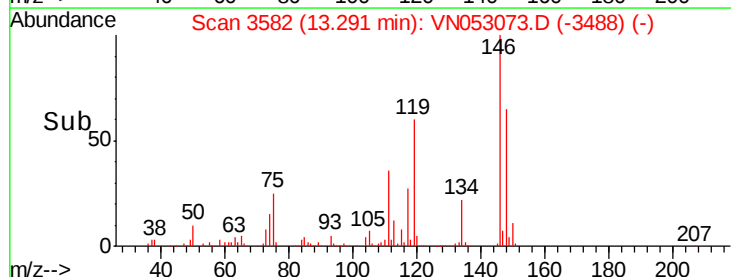
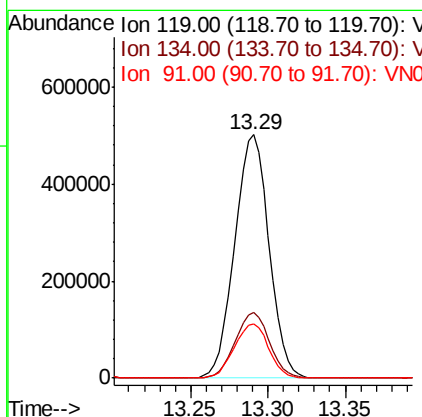
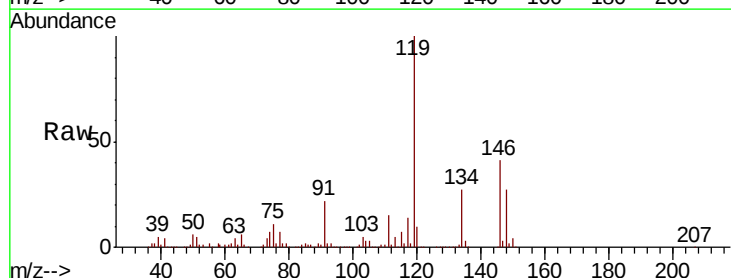
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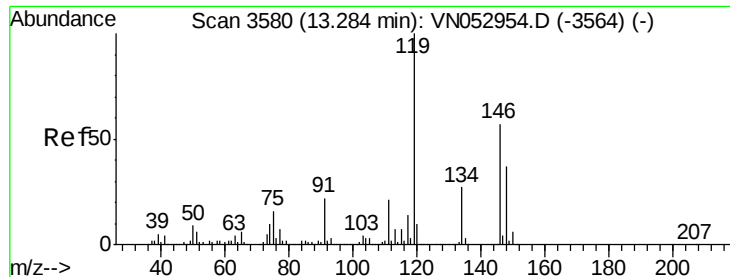
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 12/21/2018 11:31:34 AM



#86
 p-Isopropyltoluene
 Concen: 19.271 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.2
91	22.5	11.1	33.3





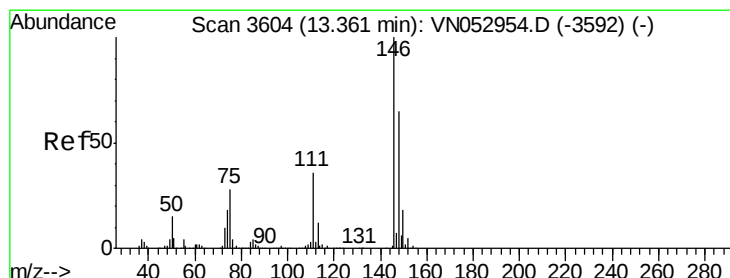
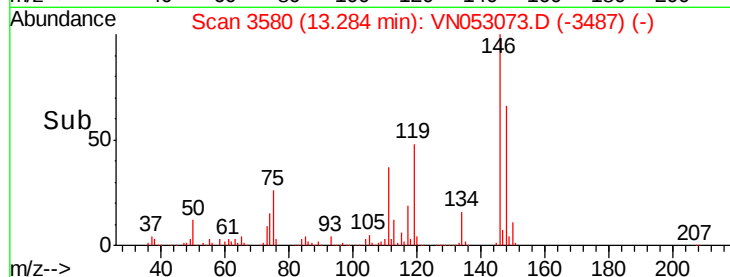
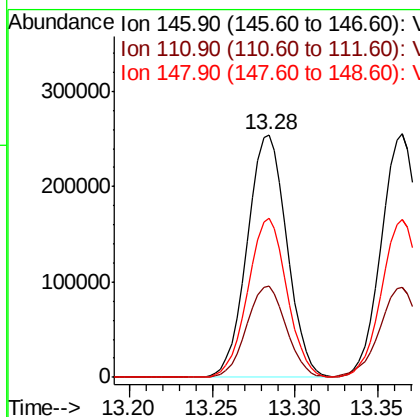
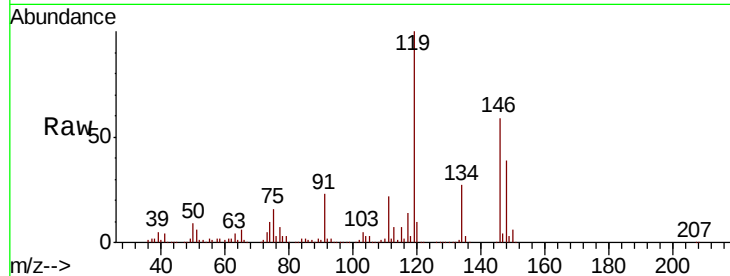
#87
 1,3-Dichlorobenzene
 Concen: 19.475 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.4	32.0	96.0

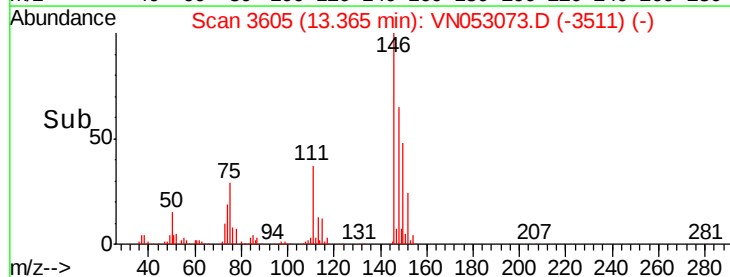
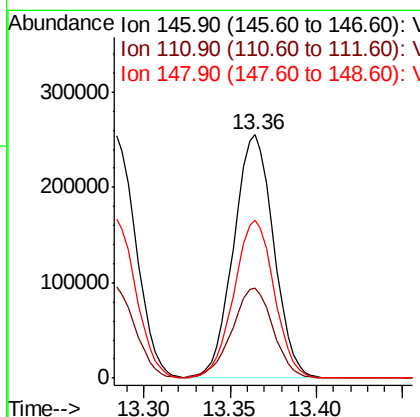
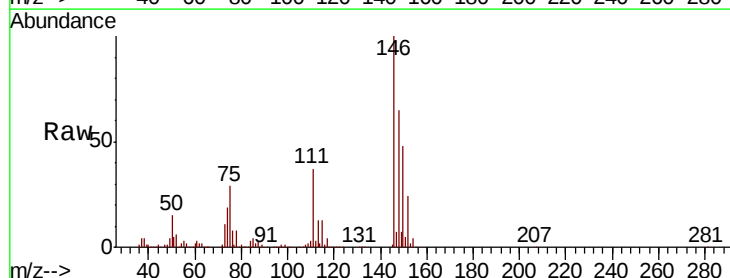
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#88
 1,4-Dichlorobenzene
 Concen: 18.691 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	65.2	32.1	96.5





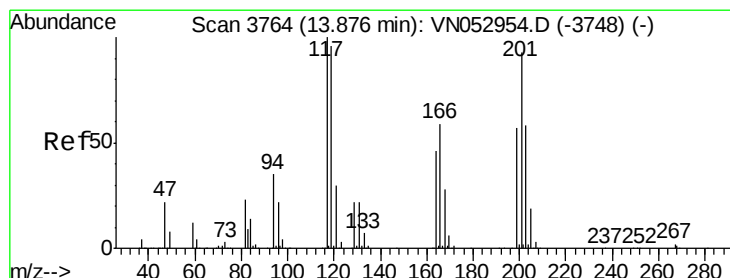
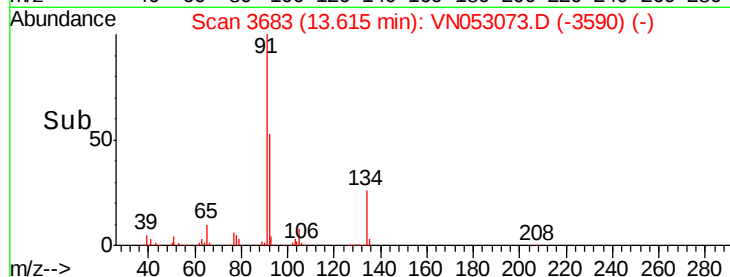
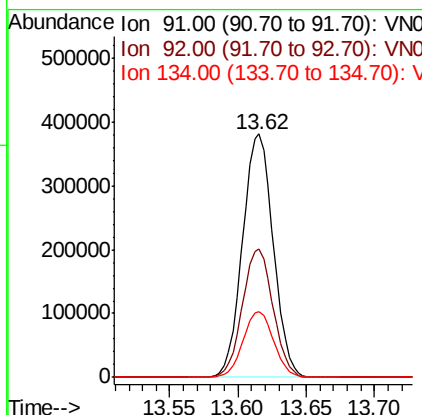
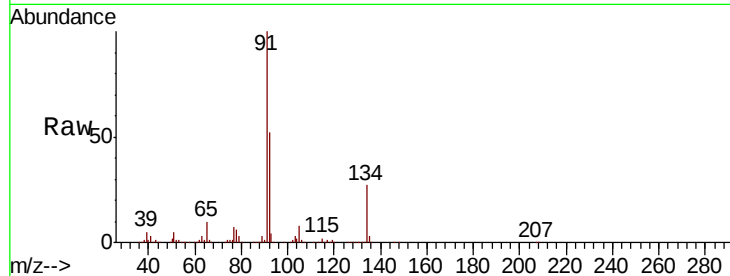
#89
n-Butylbenzene
Concen: 17.324 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	27.0	13.3	39.8

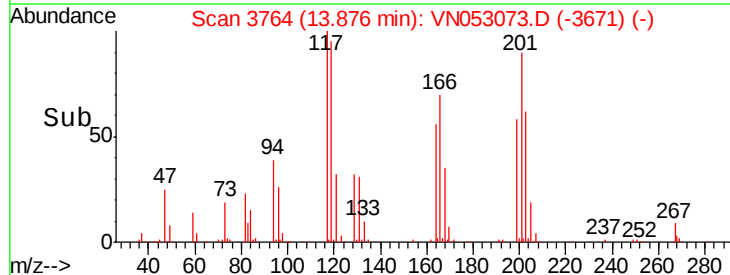
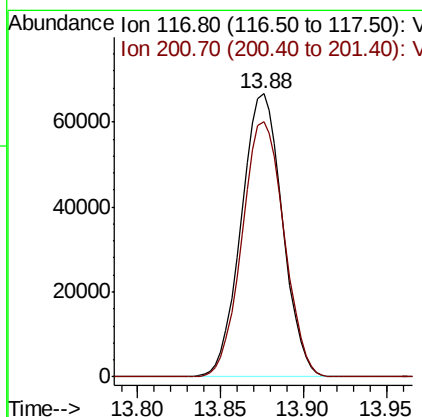
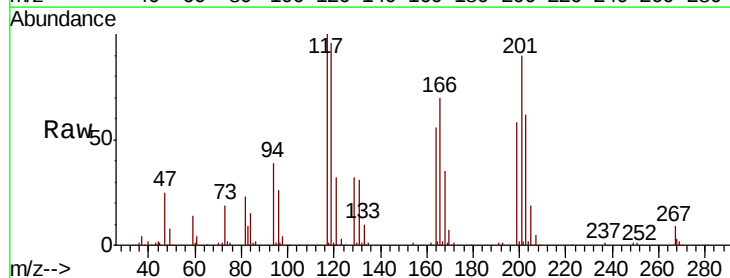
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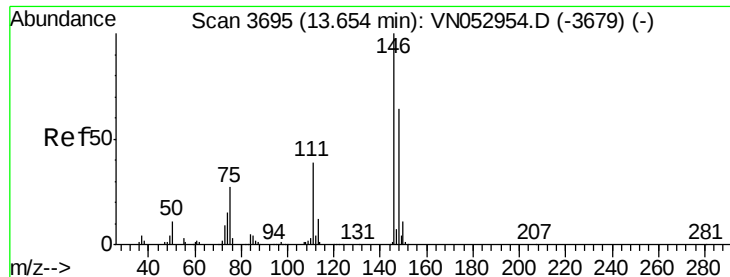
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#90
Hexachloroethane
Concen: 18.785 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053073.D
Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	45.7	137.1





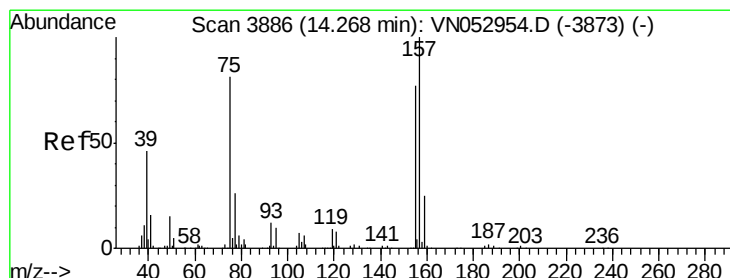
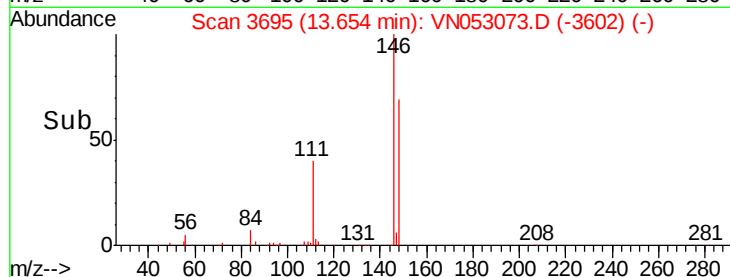
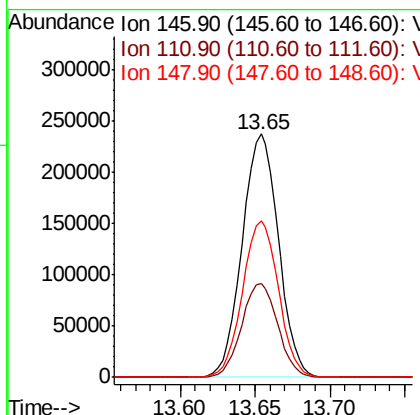
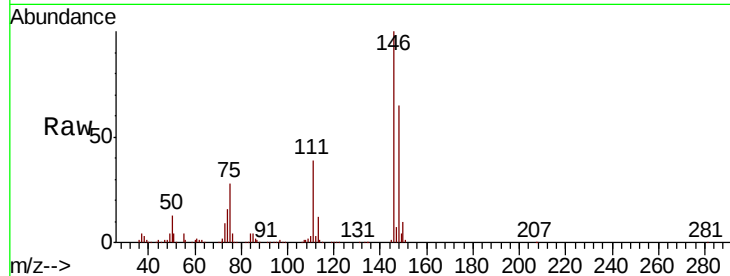
#91
 1,2-Dichlorobenzene
 Concen: 19.595 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	63.8	32.0	96.0

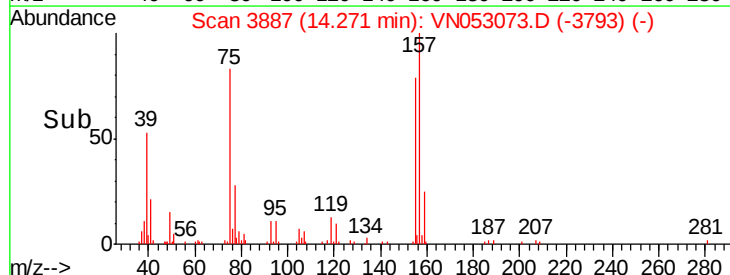
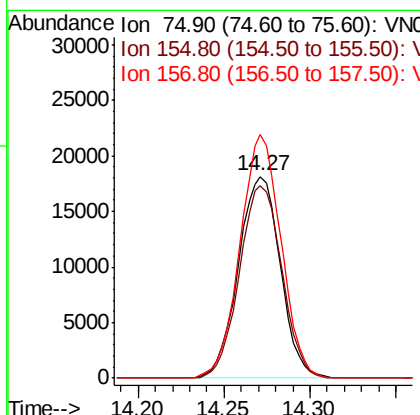
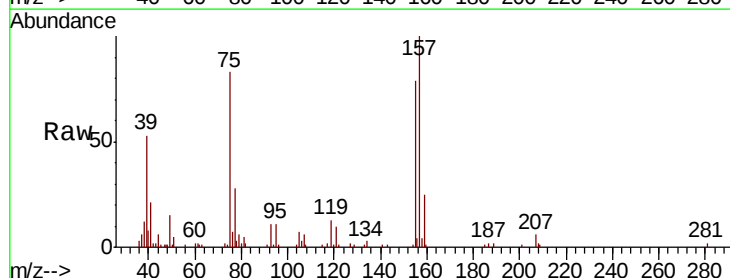
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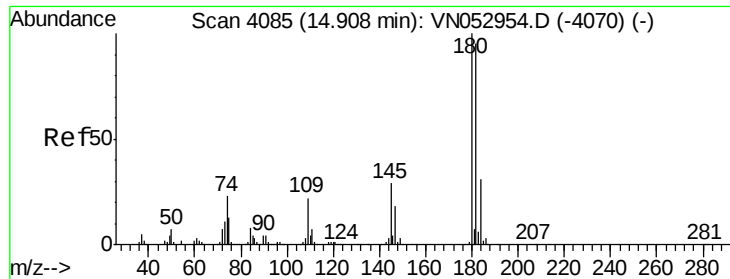
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.067 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053073.D
 Acq: 20 Dec 2018 23:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.2	144.6
157	117.8	61.2	183.5





#93

1,2,4-Trichlorobenzene

Concen: 18.617 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

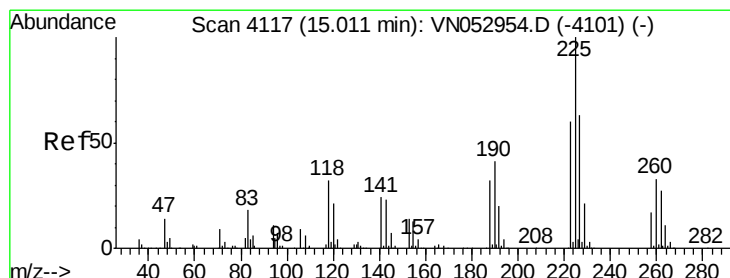
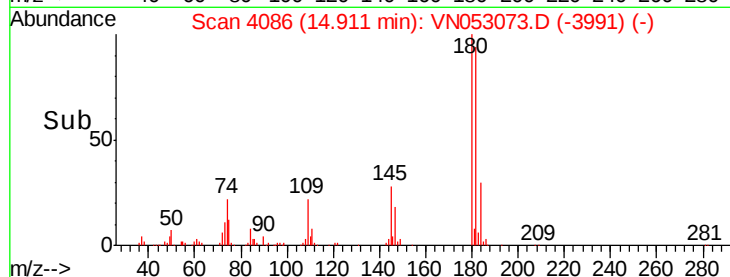
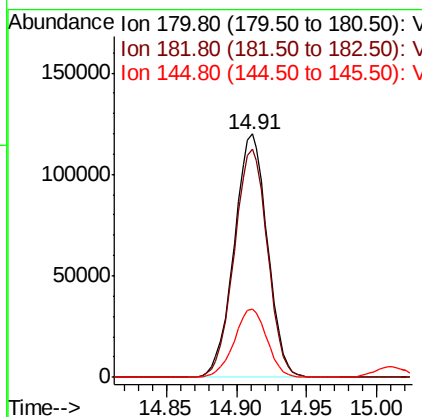
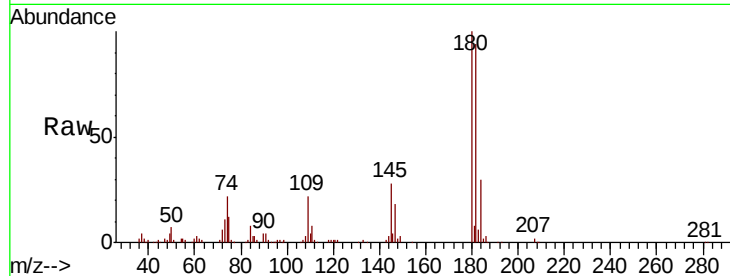
ClientSampleId :

VN1220WBSD02

Tot Ion:	180	Resp:	198185
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.8	143.3
145	27.8	14.2	42.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 18.845 ug/l

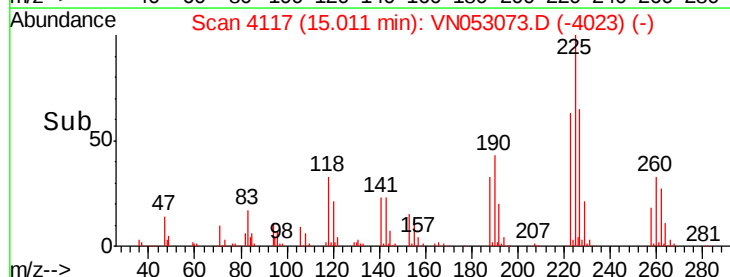
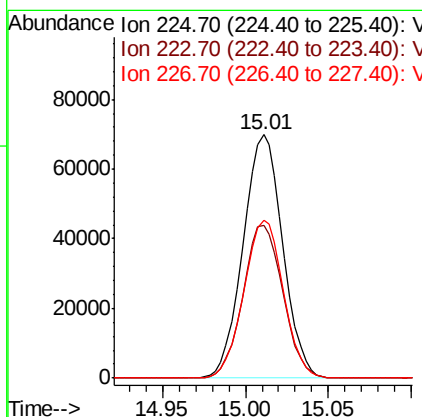
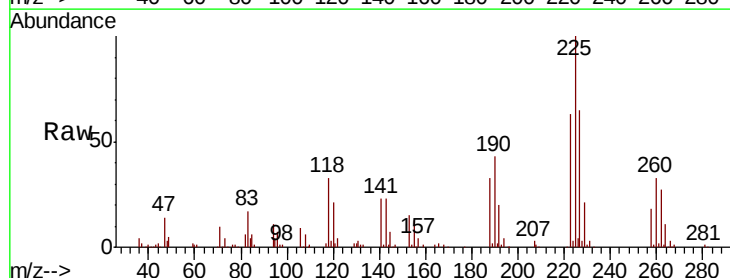
RT: 15.01 min Scan# 4117

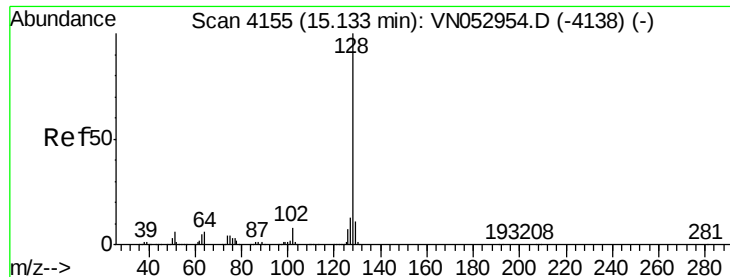
Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Tgt Ion:	225	Resp:	116091
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.5	94.5
227	64.9	31.9	95.7





#95

Naphthalene

Concen: 18.865 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Instrument :

MSVOA_N

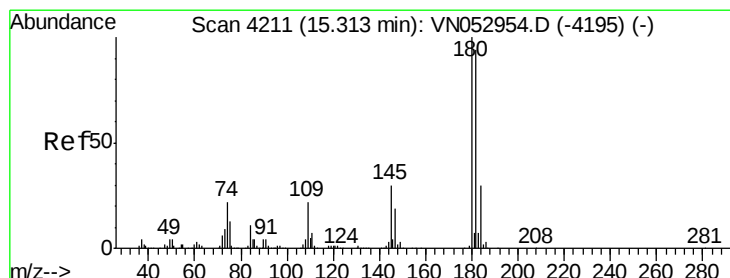
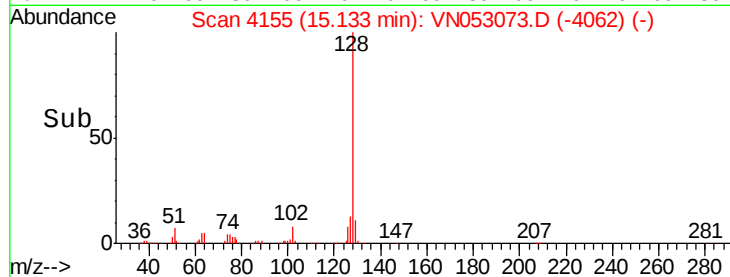
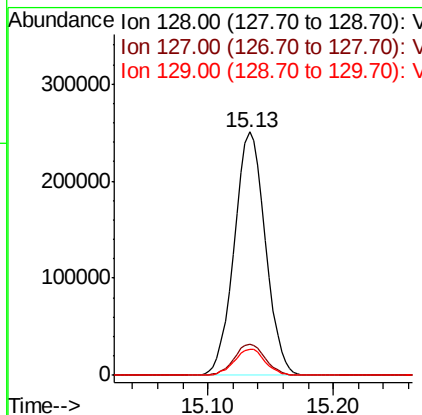
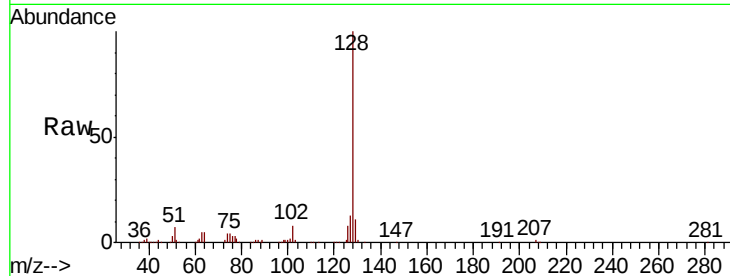
ClientSampleId :

VN1220WBSD02

Tot Ion:	128	Resp:	431639
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 11:31:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.652 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053073.D

Acq: 20 Dec 2018 23:28

Tgt Ion:	180	Resp:	179360
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.9	143.7
145	30.4	15.0	45.0

