

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053072.D
 Acq On : 20 Dec 2018 23:02
 Operator : MD\SY
 Sample : VN1220WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:30 AM

Quant Time: Dec 21 02:47:22 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	1001180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1557189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1320387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	576609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	547782	53.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.84%	
35) Dibromofluoromethane	7.59	113	420655	59.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.28%	
50) Toluene-d8	10.09	98	1909063	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	622025	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	191659	18.915	ug/l	99
3) Chloromethane	2.06	50	227985	18.567	ug/l	100
4) Vinyl Chloride	2.19	62	244667	19.675	ug/l	99
5) Bromomethane	2.58	94	166027	19.270	ug/l	96
6) Chloroethane	2.72	64	149006	20.232	ug/l	97
7) Trichlorofluoromethane	3.03	101	324801	20.966	ug/l	99
8) Diethyl Ether	3.42	74	125743	21.516	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	199774	20.226	ug/l	98
10) Methyl Iodide	3.96	142	275927	19.893	ug/l	100
11) Tert butyl alcohol	4.78	59	61775	99.649	ug/l	100
12) 1,1-Dichloroethene	3.74	96	198686	20.821	ug/l	97
13) Acrolein	3.61	56	64671	115.050	ug/l	96
14) Allyl chloride	4.33	41	304808	20.621	ug/l	99
15) Acrylonitrile	4.99	53	352587	102.377	ug/l	99
16) Acetone	3.82	43	218051	109.459	ug/l	94
17) Carbon Disulfide	4.06	76	554829	17.828	ug/l	99
18) Methyl Acetate	4.33	43	181153	20.630	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	547515	21.440	ug/l	98
20) Methylene Chloride	4.56	84	221477	20.382	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	209758	20.459	ug/l	100
22) Diisopropyl ether	5.96	45	687051	21.776	ug/l	97
23) Vinyl Acetate	5.90	43	1974721	108.845	ug/l	98
24) 1,1-Dichloroethane	5.86	63	400117	21.342	ug/l	98
25) 2-Butanone	6.84	43	357971	107.075	ug/l	95
26) 2,2-Dichloropropane	6.83	77	271231	18.952	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	244566	21.070	ug/l	99
28) Bromochloromethane	7.20	49	167221	20.584	ug/l	96
29) Tetrahydrofuran	7.21	42	257680	103.199	ug/l	97
30) Chloroform	7.37	83	392716	21.323	ug/l	99
31) Cyclohexane	7.66	56	368615	20.340	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	325717	20.761	ug/l	99
36) 1,1-Dichloropropene	7.80	75	299307	20.025	ug/l	99
37) Ethyl Acetate	6.93	43	176704	21.178	ug/l	99
38) Carbon Tetrachloride	7.78	117	276129	20.156	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	336780	18.548	ug/l	100
40) Benzene	8.04	78	908203	20.429	ug/l	99
41) Methacrylonitrile	7.18	41	105272	21.836	ug/l	95
42) 1,2-Dichloroethane	8.13	62	270861	20.624	ug/l	99
43) Isopropyl Acetate	8.17	43	335334	20.144	ug/l	99
44) Trichloroethene	8.84	130	250507	19.481	ug/l	97
45) 1,2-Dichloropropane	9.12	63	242707	20.959	ug/l	98
46) Dibromomethane	9.21	93	137827	20.432	ug/l	98
47) Bromodichloromethane	9.40	83	289446	20.185	ug/l	98
48) Methyl methacrylate	9.20	41	159614	19.714	ug/l	98
49) 1,4-Dioxane	9.20	88	35933	350.847	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	834083	103.224	ug/l	100
52) Toluene	10.16	92	546755	19.842	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	282106	18.709	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	343501	19.847	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	196769	20.468	ug/l	99
56) Ethyl methacrylate	10.43	69	253979	19.960	ug/l	97
57) 1,3-Dichloropropane	10.71	76	336637	20.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	713223	102.099	ug/l	98
59) 2-Hexanone	10.75	43	534415	97.753	ug/l	99
60) Dibromochloromethane	10.90	129	211099	19.183	ug/l	100
61) 1,2-Dibromoethane	11.01	107	190527	19.514	ug/l	100
64) Tetrachloroethene	10.63	164	272545	19.055	ug/l	99
65) Chlorobenzene	11.44	112	592544	20.245	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	210935	20.724	ug/l	99
67) Ethyl Benzene	11.51	91	1011305	20.091	ug/l	100
68) m/p-Xylenes	11.62	106	757478	39.585	ug/l	99
69) o-Xylene	11.95	106	370430	20.174	ug/l	100
70) Styrene	11.96	104	599654	20.028	ug/l	99
71) Bromoform	12.13	173	135552	18.435	ug/l #	99
73) Isopropylbenzene	12.25	105	976699	21.649	ug/l	99
74) N-amyl acetate	12.07	43	265247	21.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	206221	23.300	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	181192m	18.667	ug/l	
77) Bromobenzene	12.53	156	244421	20.842	ug/l	98
78) n-propylbenzene	12.59	91	1072276	20.869	ug/l	100
79) 2-Chlorotoluene	12.68	91	644356	20.232	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	760855	20.691	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55664	18.483	ug/l	99
82) 4-Chlorotoluene	12.77	91	639944	20.526	ug/l	99
83) tert-Butylbenzene	12.99	119	672770	20.687	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	765307	20.703	ug/l	100
85) sec-Butylbenzene	13.17	105	874086	19.871	ug/l	100
86) p-Isopropyltoluene	13.29	119	752206	19.790	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	415000	19.994	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	407156	19.371	ug/l	99
89) n-Butylbenzene	13.62	91	584522	17.875	ug/l	100
90) Hexachloroethane	13.88	117	110210	18.894	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	395035	20.223	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29505	19.280	ug/l	98

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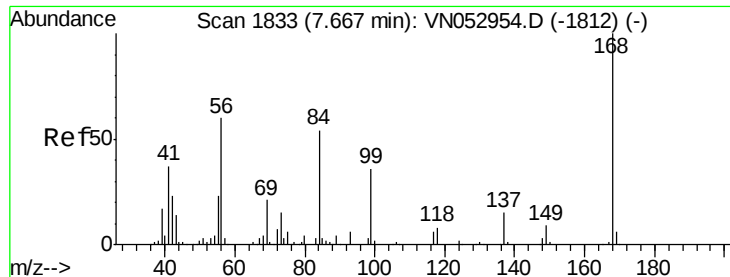
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	194554	19.171	ug/l	99
94) Hexachlorobutadiene	15.01	225	116547	20.028	ug/l	100
95) Naphthalene	15.13	128	407837	18.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	179843	19.609	ug/l	100

(#) = 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: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

Tot Ion:168 Resp: 1001180

Ion Ratio Lower Upper

168 100

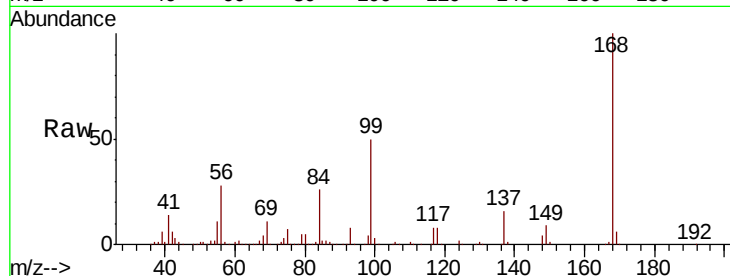
99 50.2 40.2 60.2

Manual Integrations

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12/21/2018 11:31:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

400000

300000

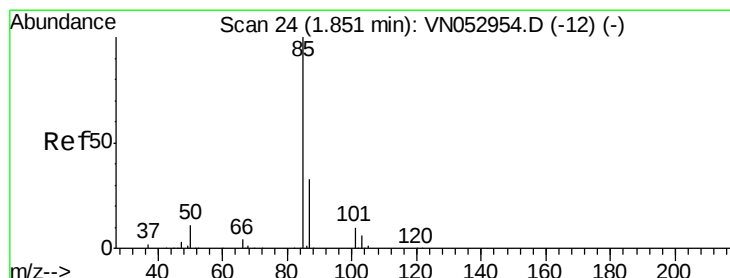
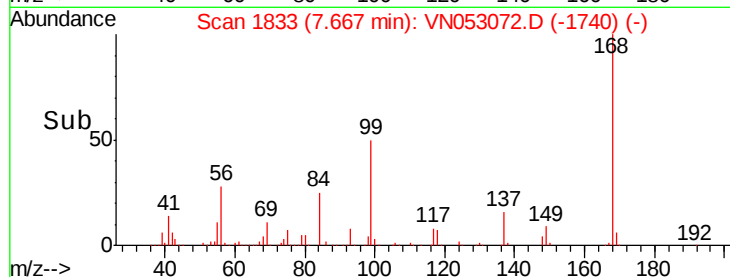
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.915 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053072.D

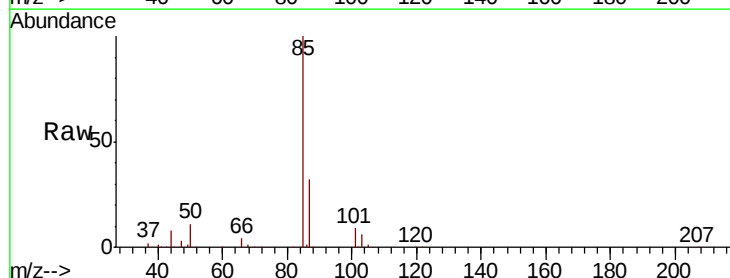
Acq: 20 Dec 2018 23:02

Tgt Ion: 85 Resp: 191659

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

150000

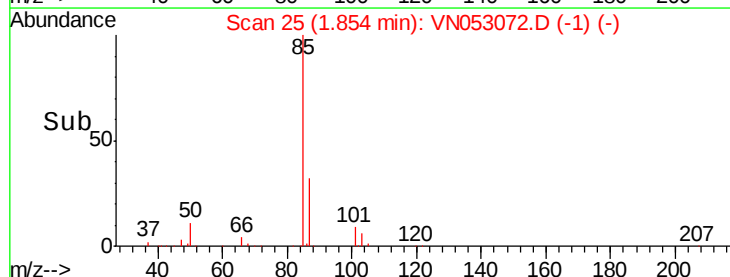
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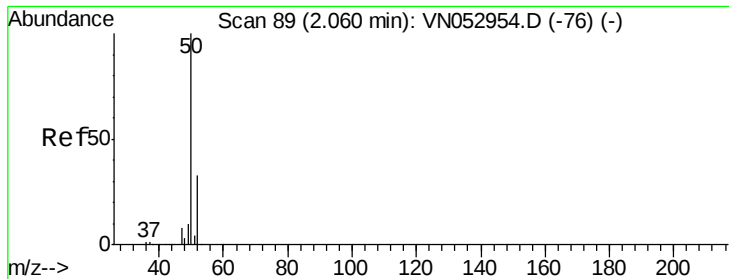
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.567 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

Tot Ion: 50 Resp: 227985

Ion Ratio Lower Upper

50 100

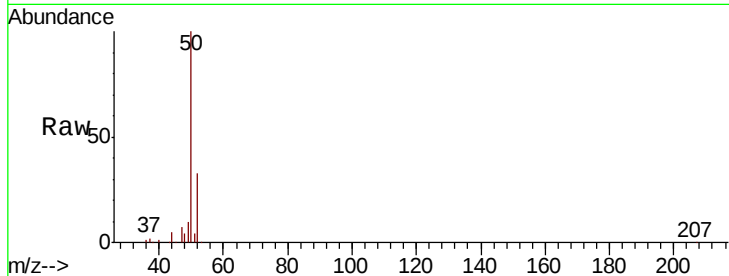
52 32.5 26.2 39.4

Manual Integrations

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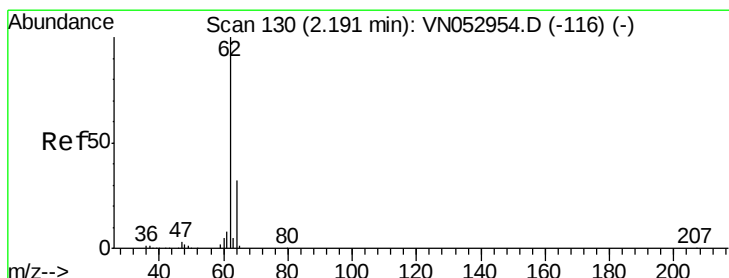
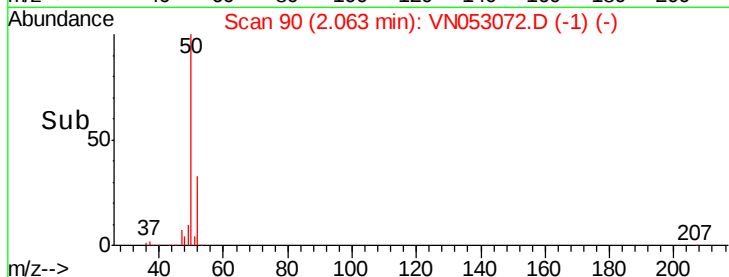
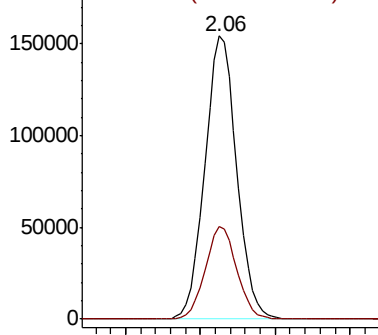
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.675 ug/l

RT: 2.19 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN053072.D

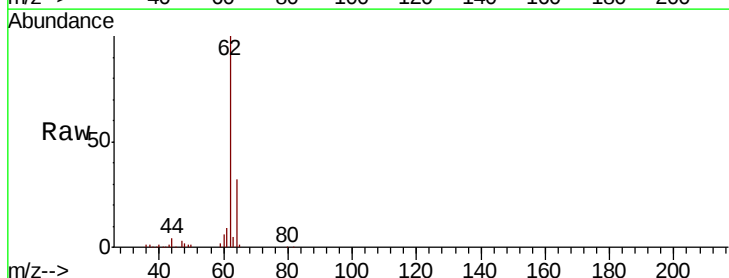
Acq: 20 Dec 2018 23:02

Tgt Ion: 62 Resp: 244667

Ion Ratio Lower Upper

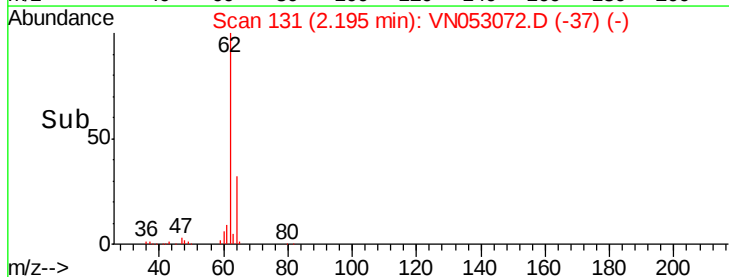
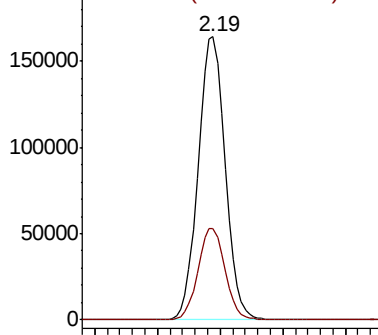
62 100

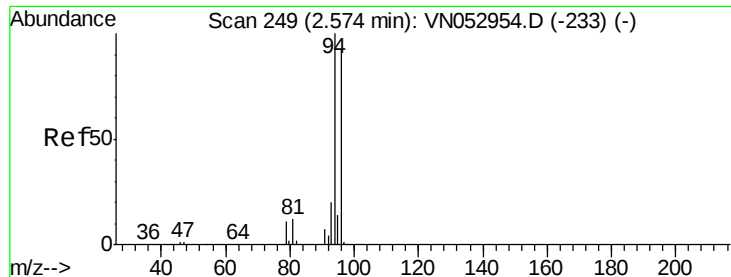
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.270 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

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VN1220WBS02

Tot Ion: 94 Resp: 166027

Ion Ratio Lower Upper

94 100

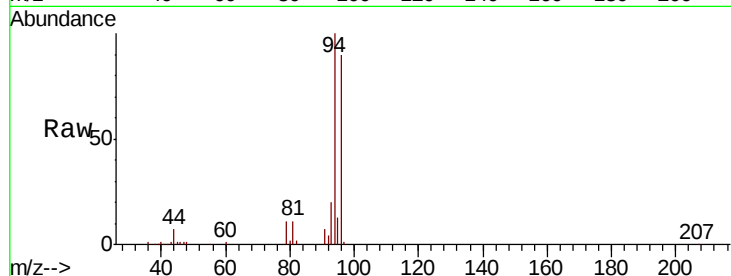
96 90.2 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.58

100000

80000

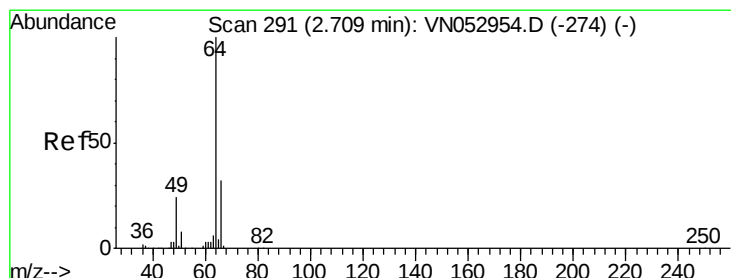
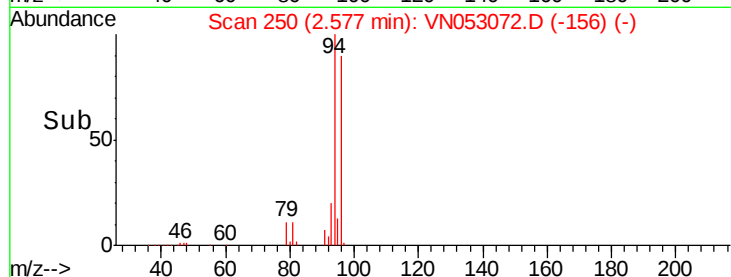
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 20.232 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN053072.D

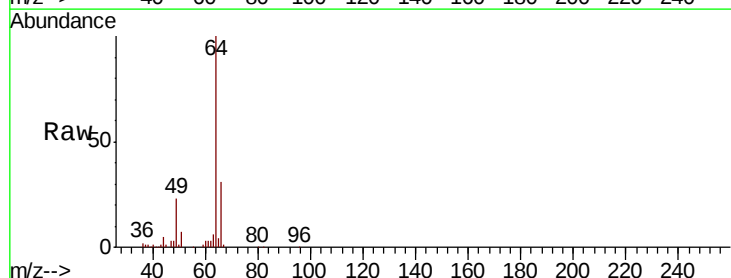
Acq: 20 Dec 2018 23:02

Tgt Ion: 64 Resp: 149006

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.72

80000

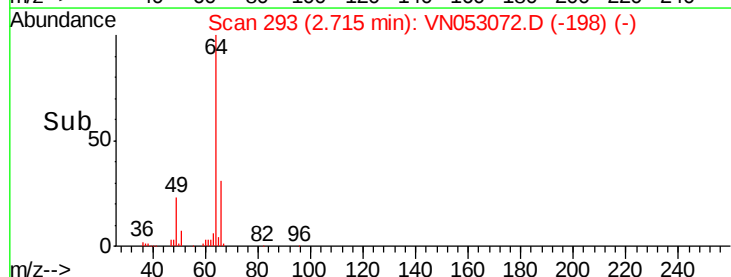
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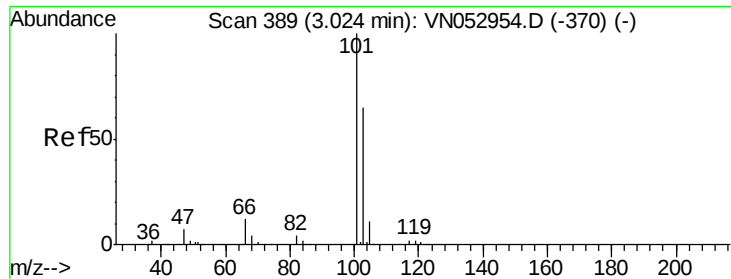
40000

20000

0

Time-->





#7

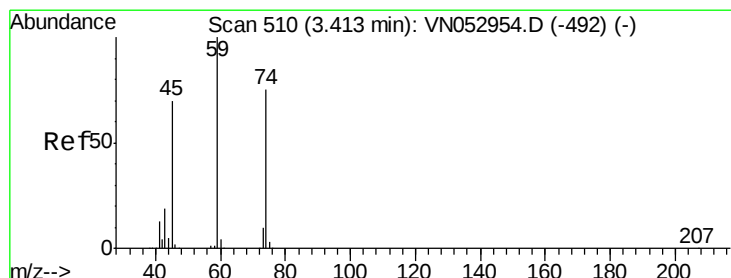
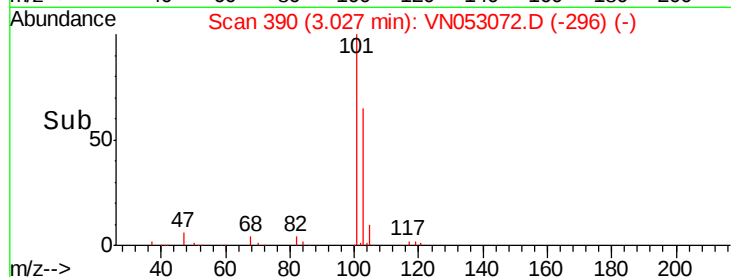
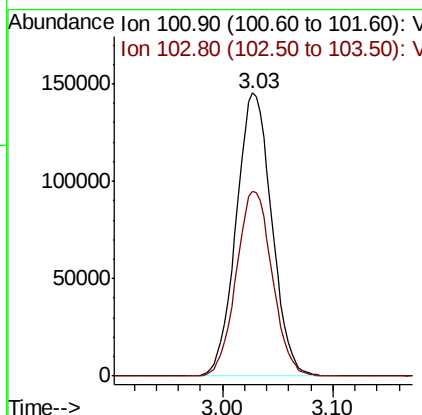
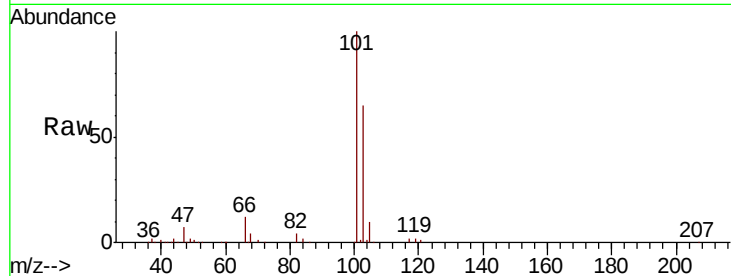
Trichlorofluoromethane
 Concen: 20.966 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

Manual Integrations
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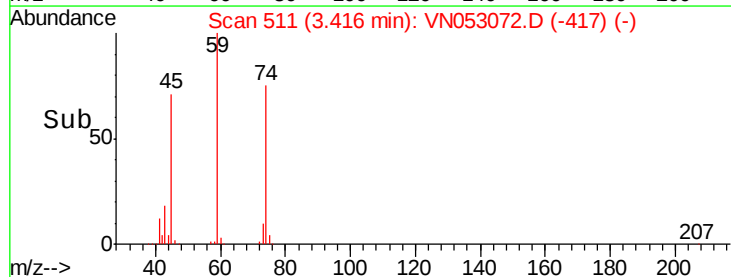
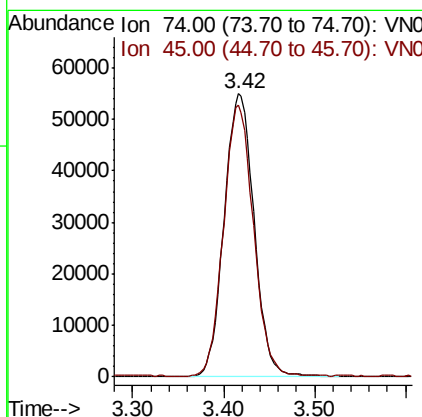
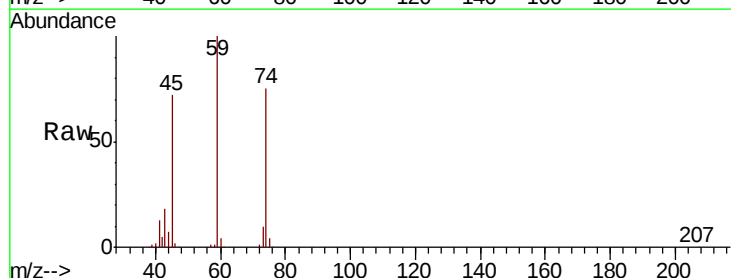
MMDadoda
 12/21/2018 11:31:30 AM

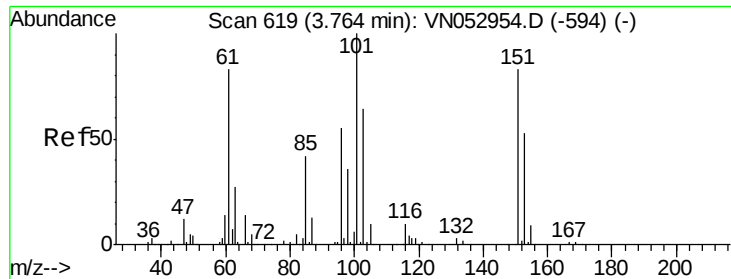


#8

Diethyl Ether
 Concen: 21.516 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.226 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

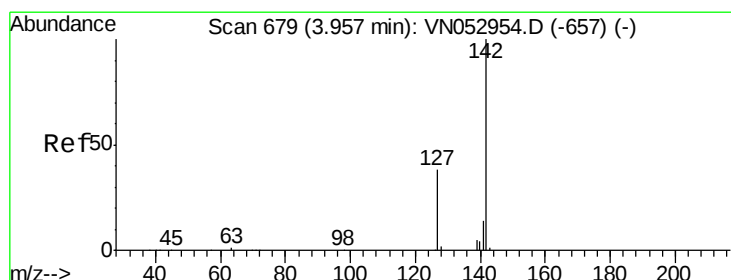
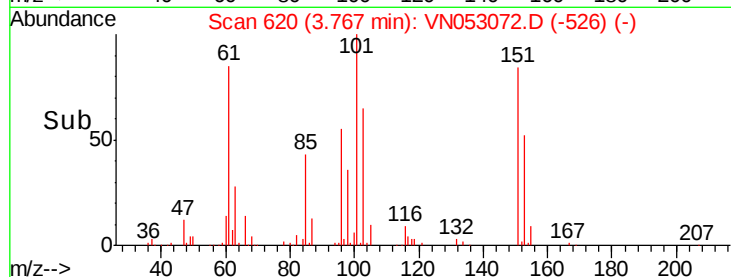
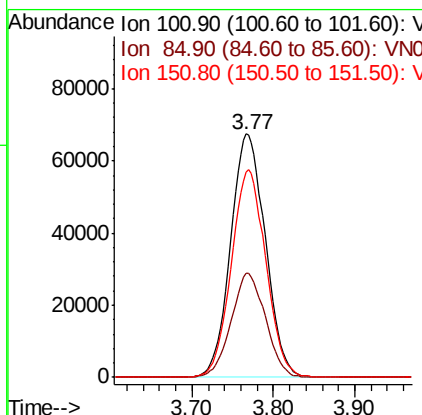
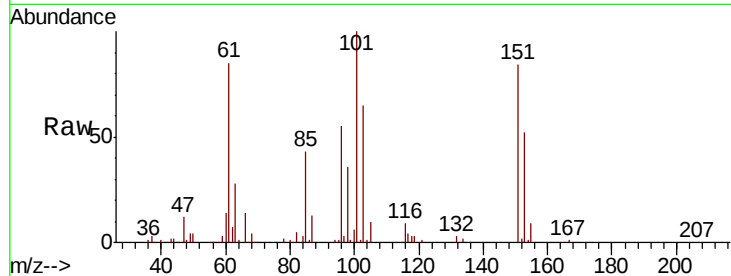
ClientSampleId :

VN1220WBS02

Tot Ion:	101	Resp:	199774
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.6	50.4
151	84.8	65.5	98.3

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#10

Methyl Iodide

Concen: 19.893 ug/l

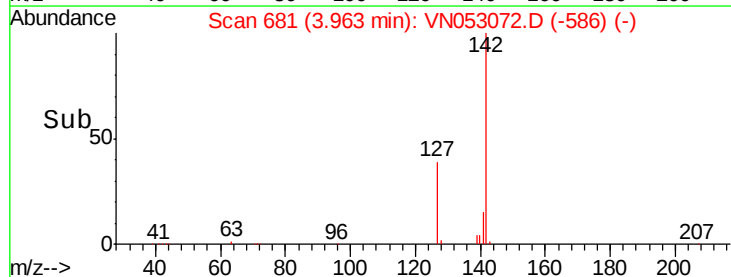
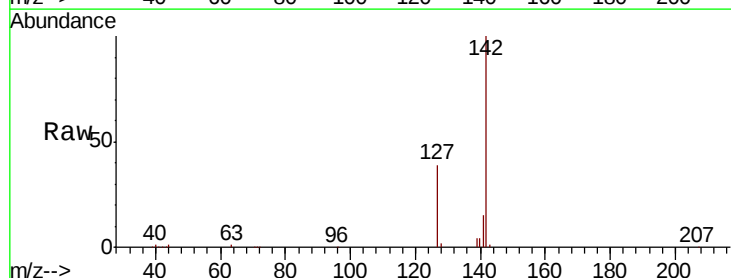
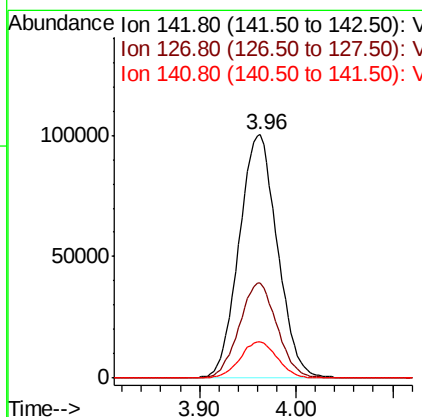
RT: 3.96 min Scan# 681

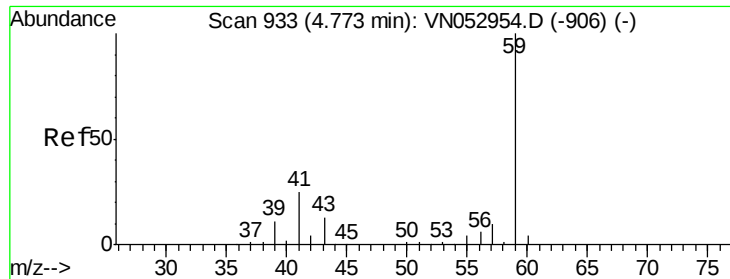
Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	142	Resp:	275927
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.6
141	14.5	11.2	16.8





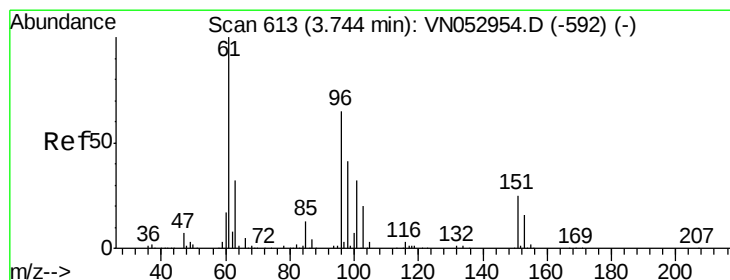
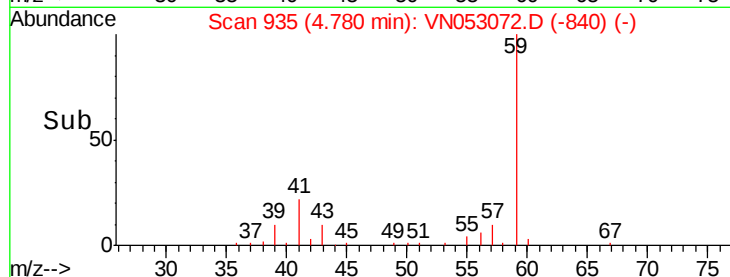
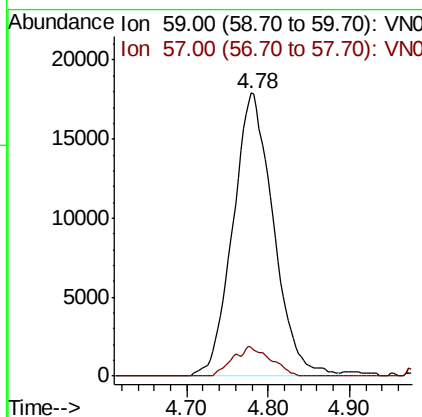
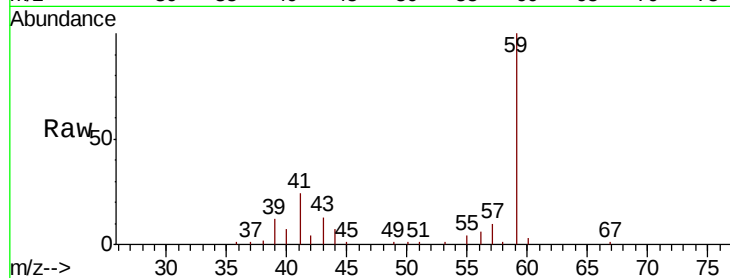
#11
Tert butyl alcohol
Concen: 99.649 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	59	57	Ratio	100	9.7	Resp	61775	Lower	Upper
Ion	59	57	Ratio	100	9.7	Resp	61775	Lower	Upper
								7.7	11.5

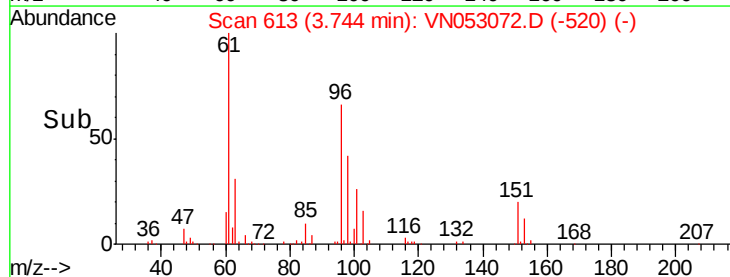
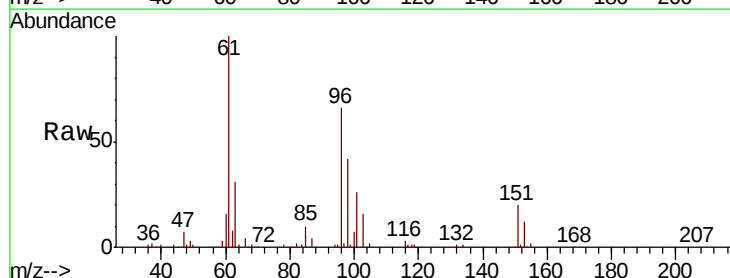
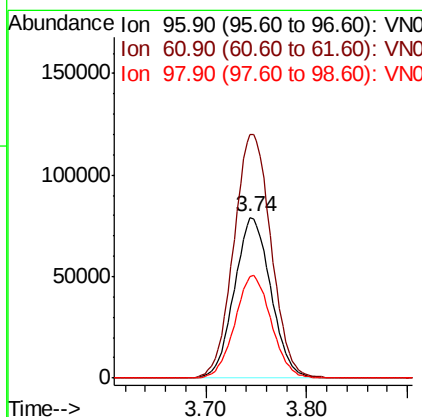
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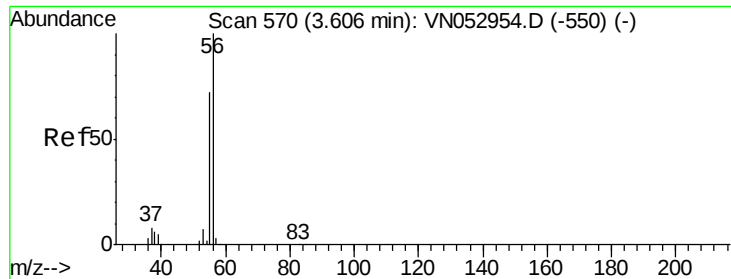
MMDadoda
12/21/2018 11:31:30 AM



#12
1,1-Dichloroethene
Concen: 20.821 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	96	61	98	Resp	198686	Lower	Upper
Ion	96	61	98	Resp	198686	Lower	Upper
	100	151.5	63.3			125.6	188.4
						50.6	75.8





#13

Acrolein

Concen: 115.050 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

Tot Ion: 56 Resp: 64671

Ion Ratio Lower Upper

56 100

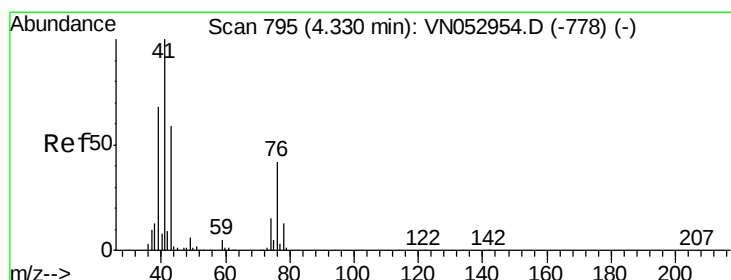
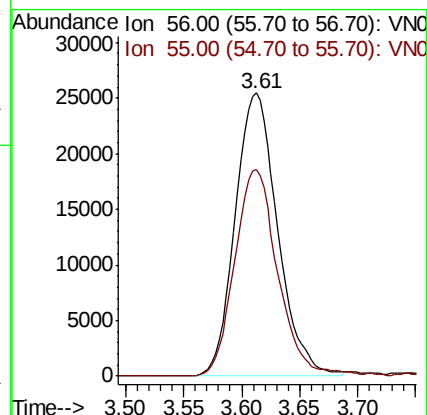
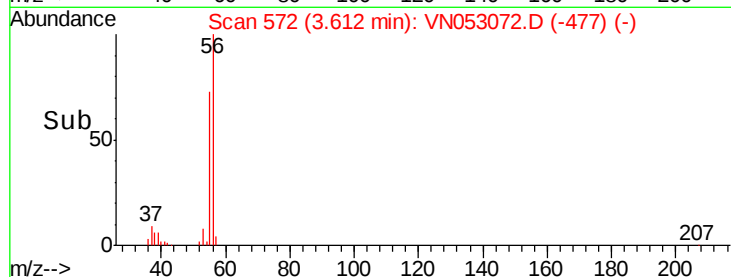
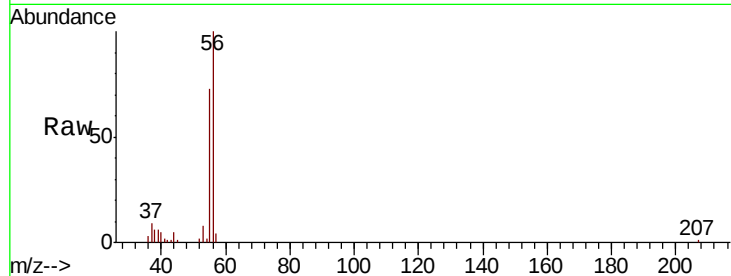
55 74.0 56.6 85.0

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#14

Allyl chloride

Concen: 20.621 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

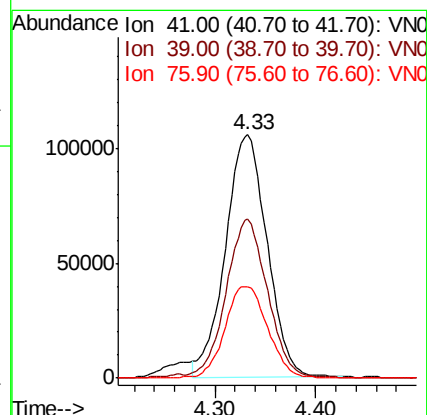
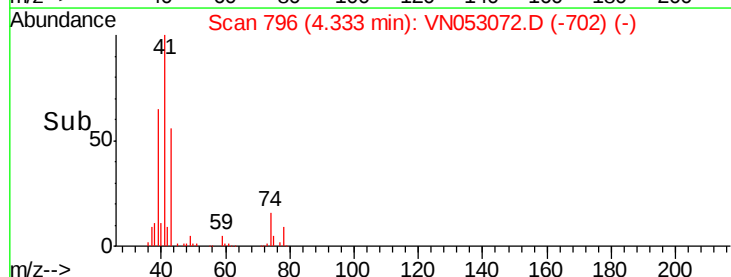
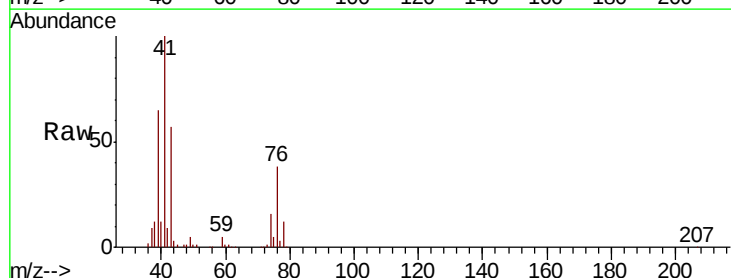
Tgt Ion: 41 Resp: 304808

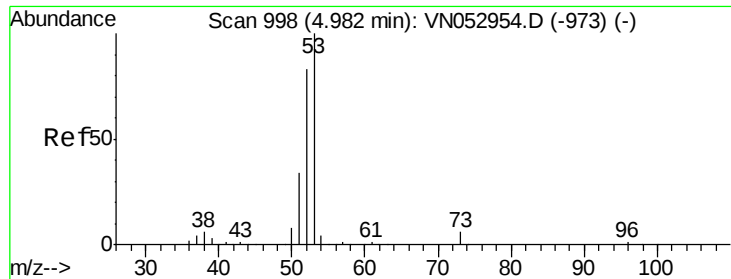
Ion Ratio Lower Upper

41 100

39 66.0 54.1 81.1

76 38.0 30.3 45.5





#15

Acrylonitrile

Concen: 102.377 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

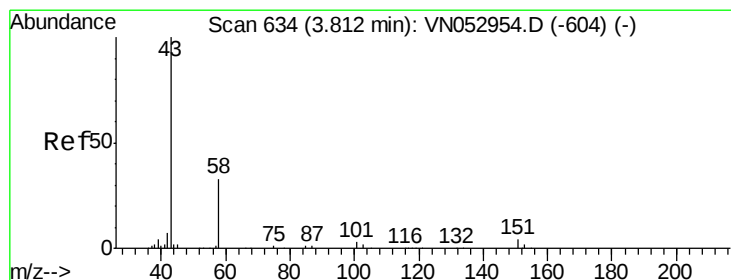
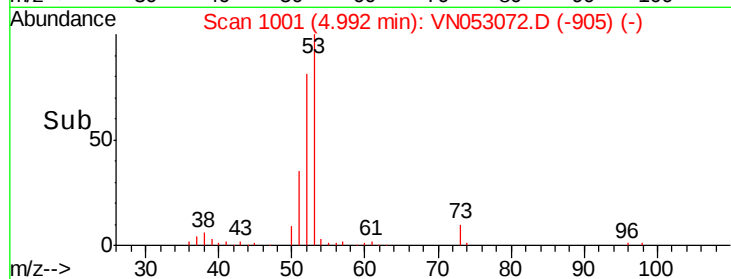
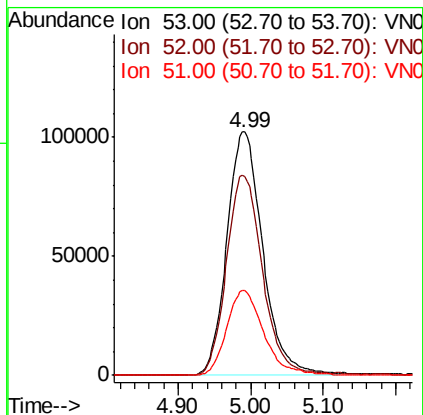
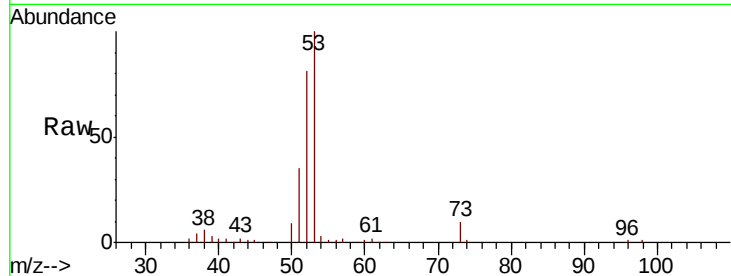
ClientSampleId :

VN1220WBS02

Tot Ion:	53	Resp:	352587
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	36.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 109.459 ug/l

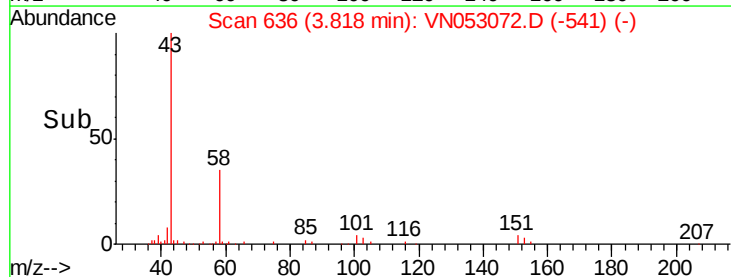
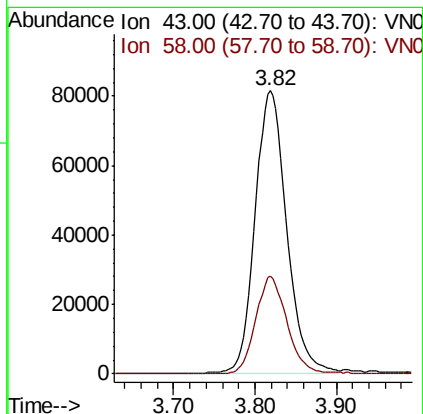
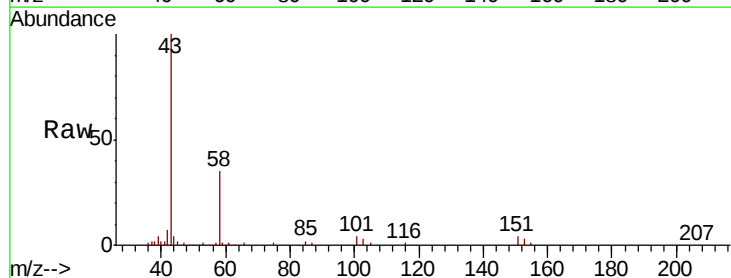
RT: 3.82 min Scan# 636

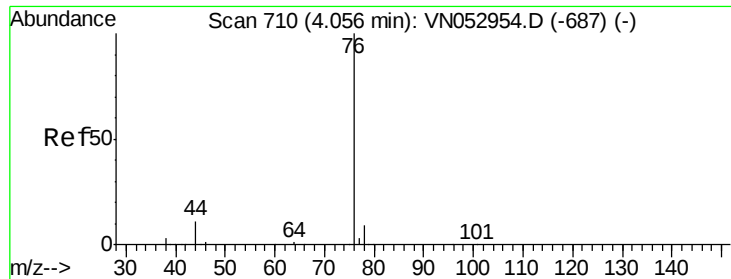
Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	43	Resp:	218051
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.4	38.0





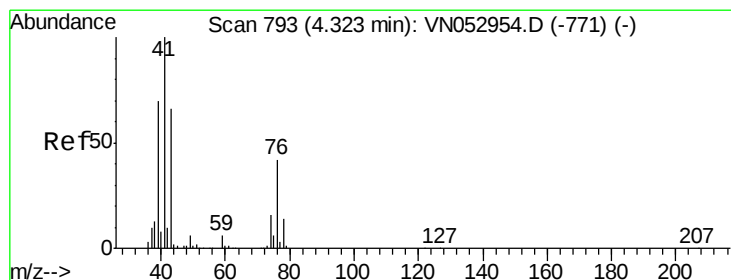
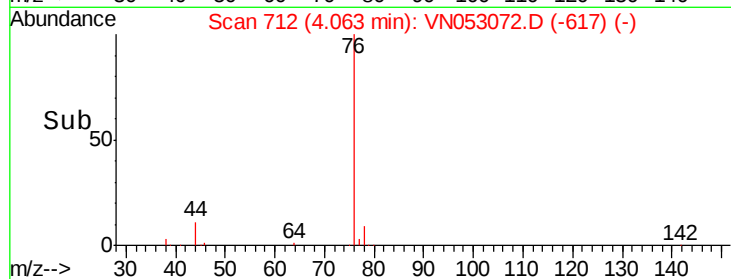
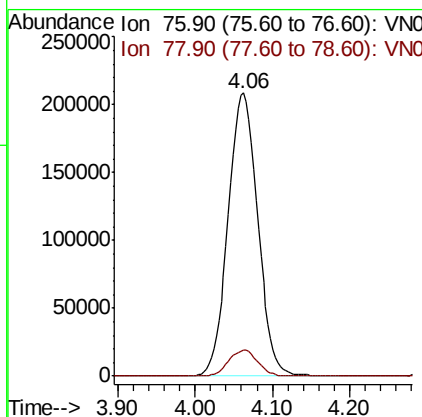
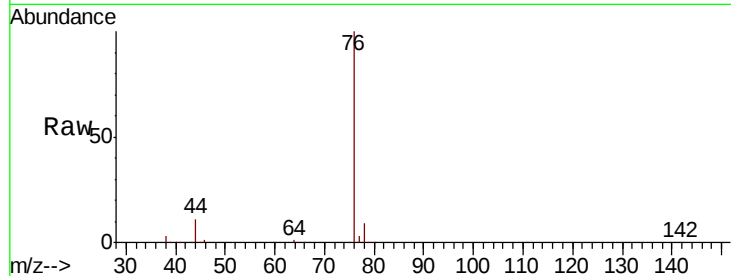
#17
Carbon Disulfide
Concen: 17.828 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

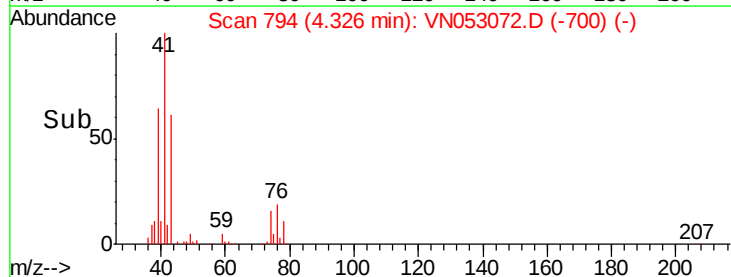
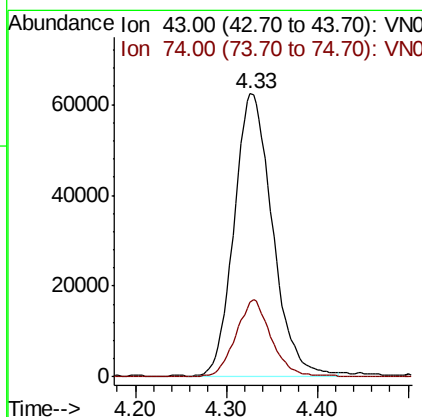
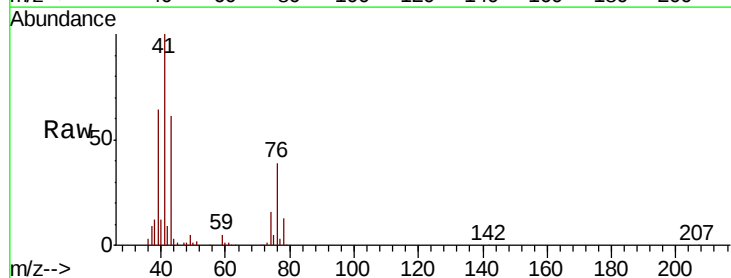
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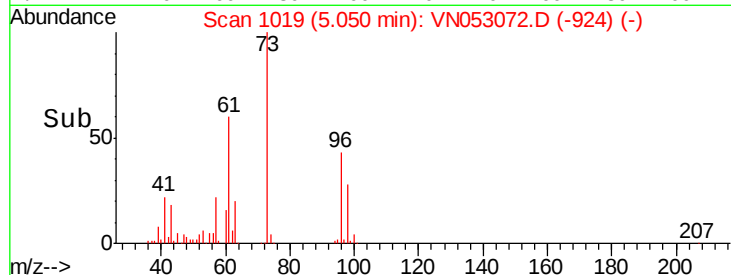
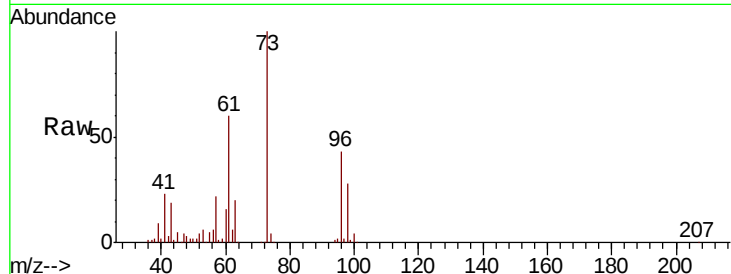
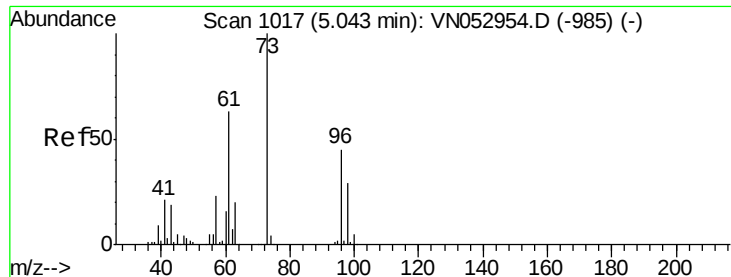
MMDadoda
12/21/2018 11:31:30 AM



#18
Methyl Acetate
Concen: 20.630 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.2	28.8





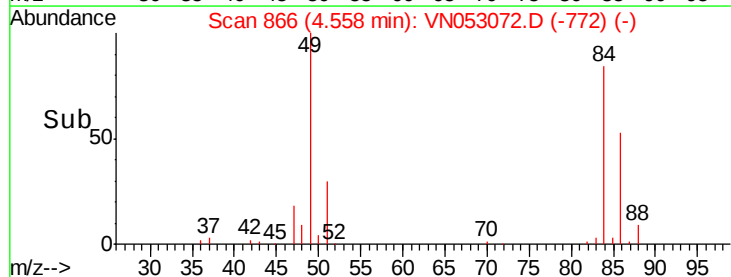
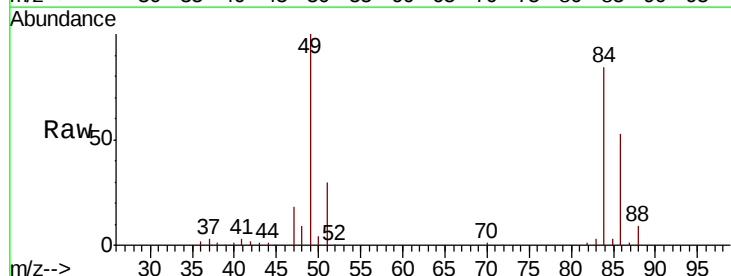
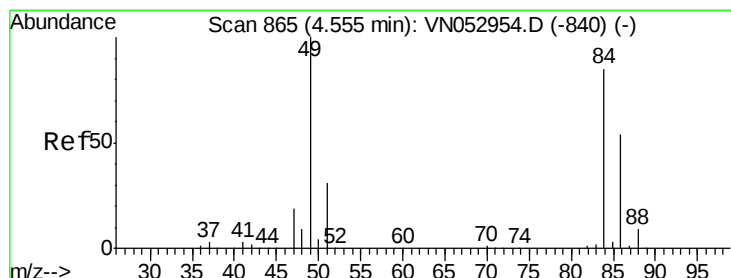
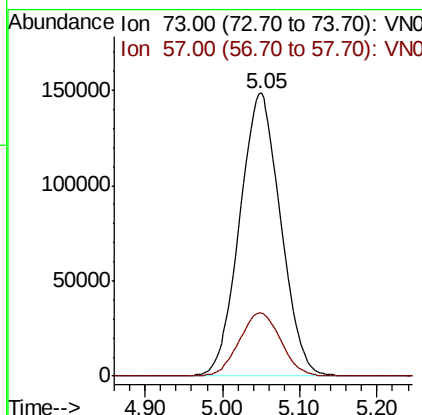
#19
Methvl tert-butvl Ether
Concen: 21.440 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tot Ion: 73 Resp: 547515
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

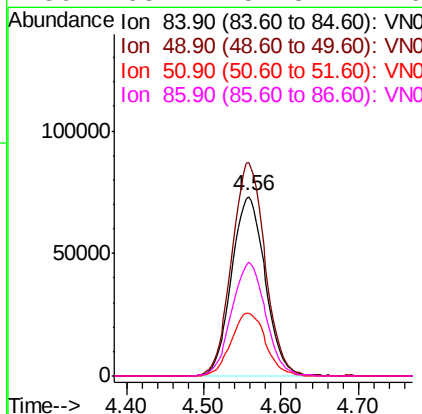
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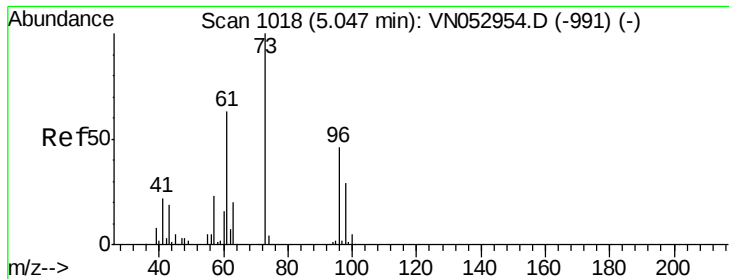
MMDadoda
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#20
Methylene Chloride
Concen: 20.382 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 84 Resp: 221477
Ion Ratio Lower Upper
84 100
49 119.0 96.8 145.2
51 35.2 29.9 44.9
86 63.1 51.8 77.6





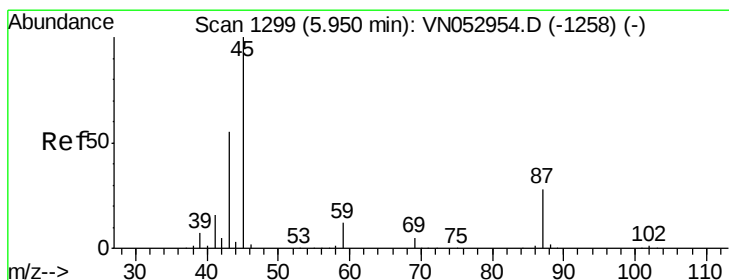
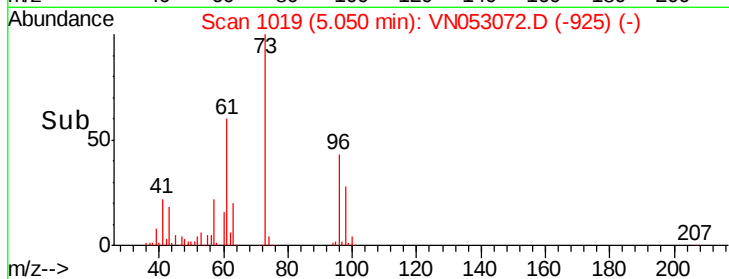
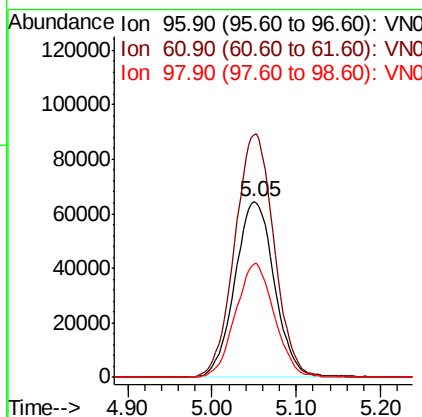
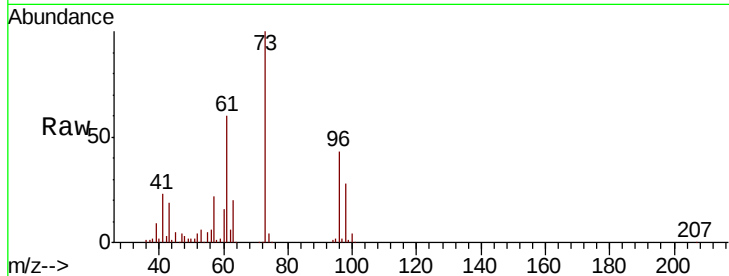
#21
trans-1,2-Dichloroethene
Concen: 20.459 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	110.8	166.2
98	64.3	51.4	77.2

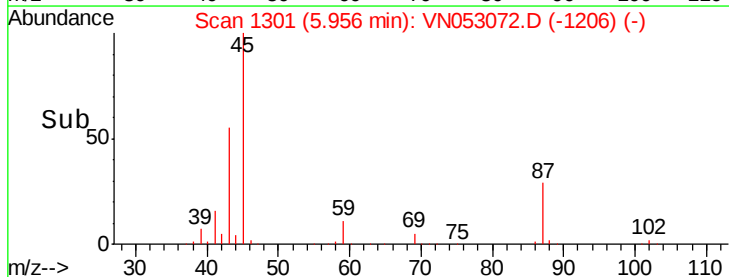
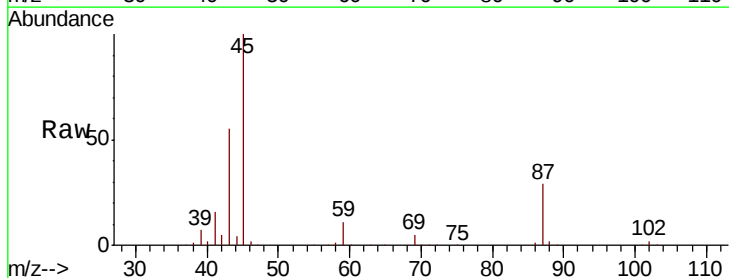
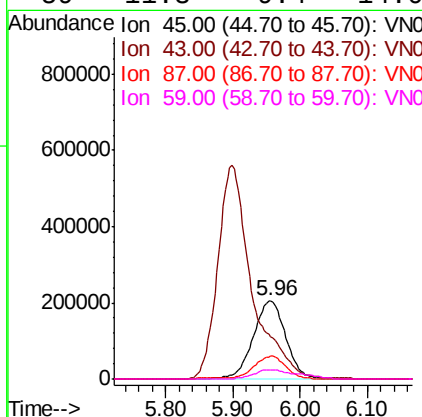
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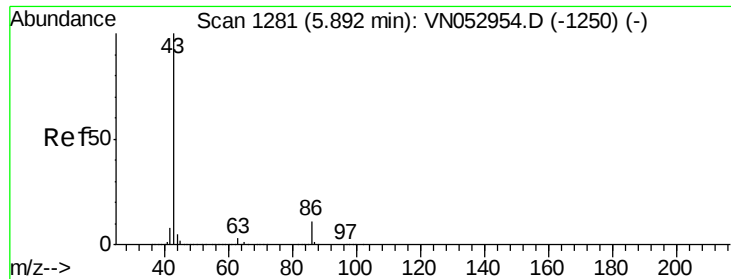
MMDadoda
12/21/2018 11:31:30 AM



#22
Diisopropyl ether
Concen: 21.776 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.0	45.5	68.3
87	29.0	22.0	33.0
59	11.3	9.4	14.0





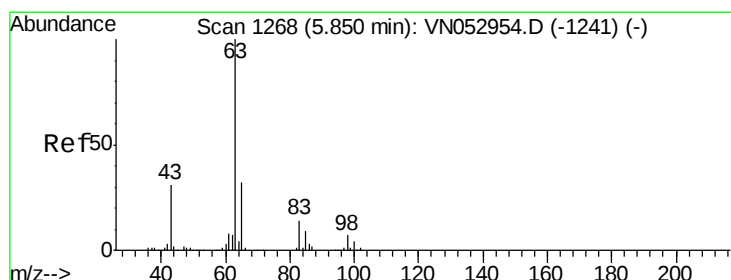
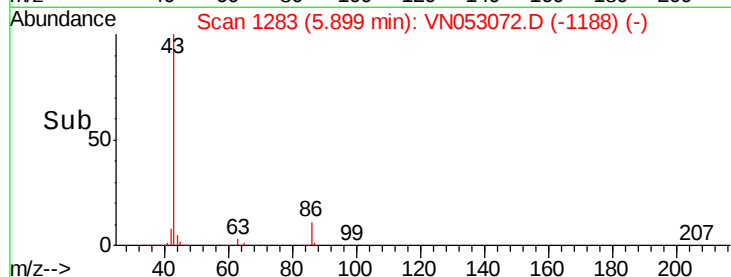
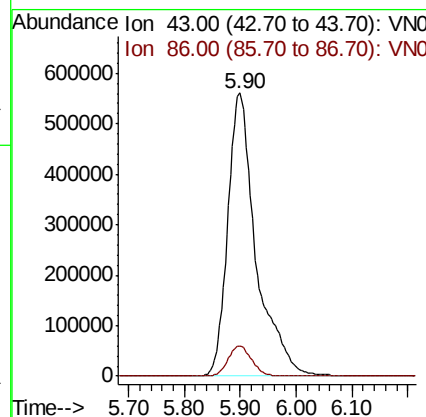
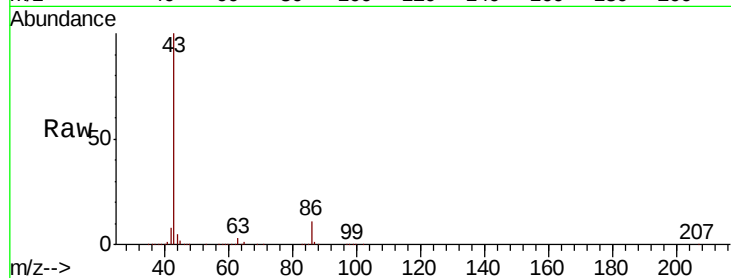
#23
 Vinyl Acetate
 Concen: 108.845 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion: 43 Resp: 1974721
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.1 12.1

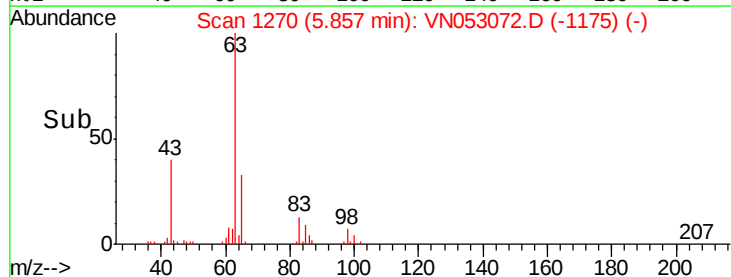
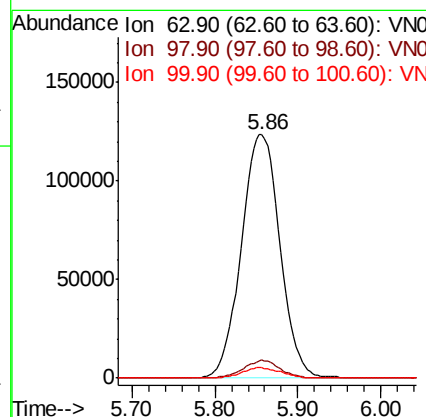
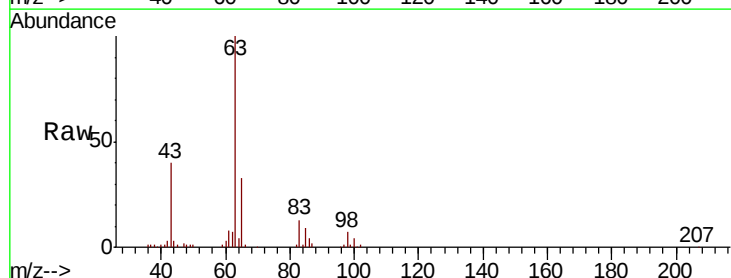
Manual Integrations
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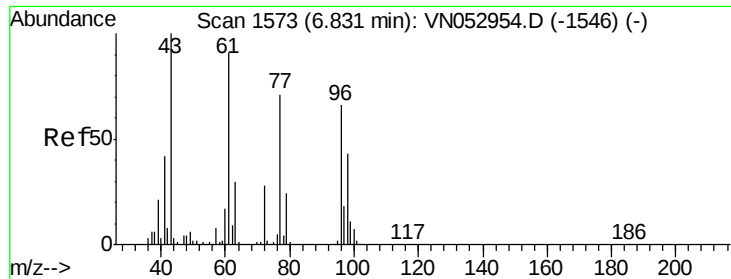
MMDadoda
 12/21/2018 11:31:30 AM



#24
 1,1-Dichloroethane
 Concen: 21.342 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 63 Resp: 400117
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.1 9.4
 100 4.4 2.0 5.8





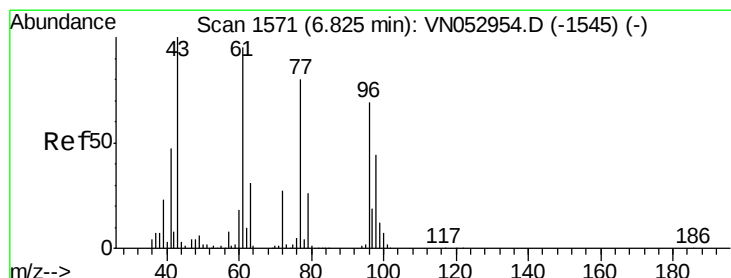
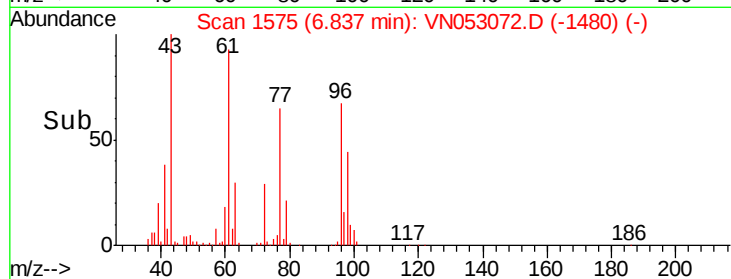
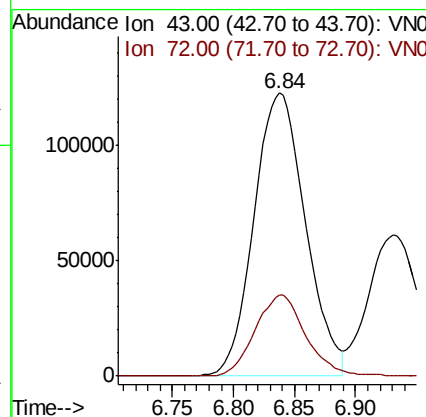
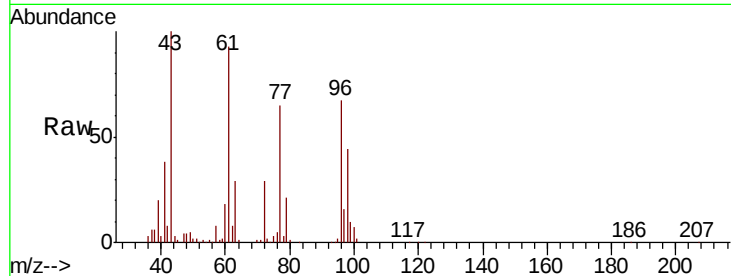
#25
2-Butanone
Concen: 107.075 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.8	21.0	31.6

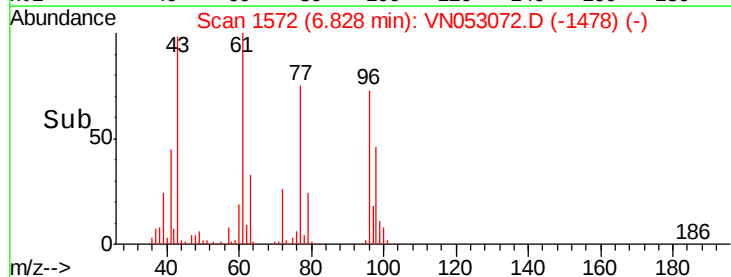
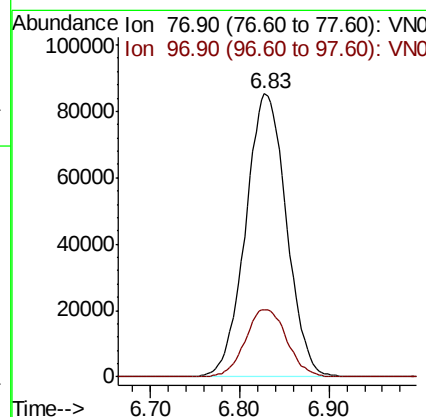
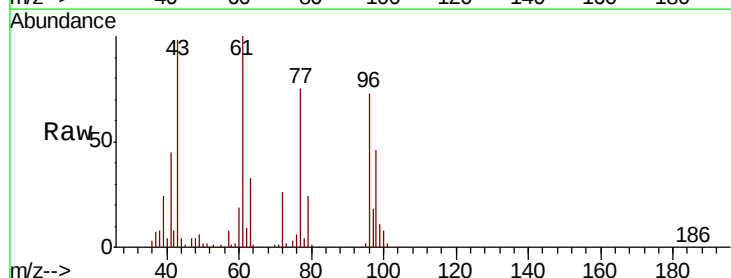
Manual Integrations
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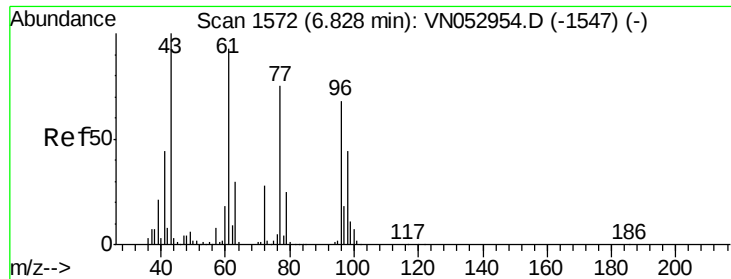
MMDadoda
12/21/2018 11:31:30 AM



#26
2,2-Dichloropropane
Concen: 18.952 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.9	35.9





#27

cis-1,2-Dichloroethene

Concen: 21.070 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

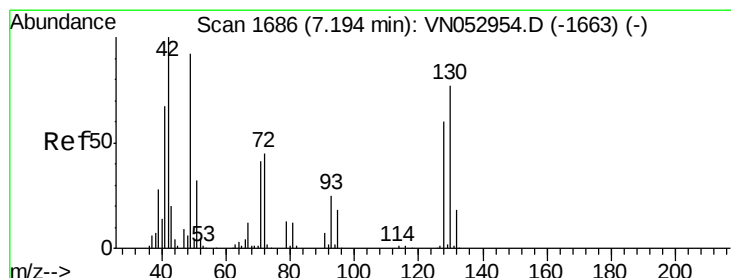
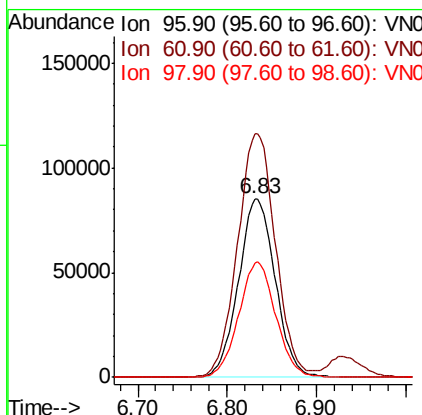
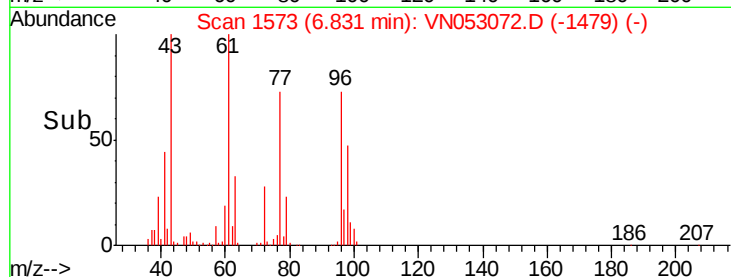
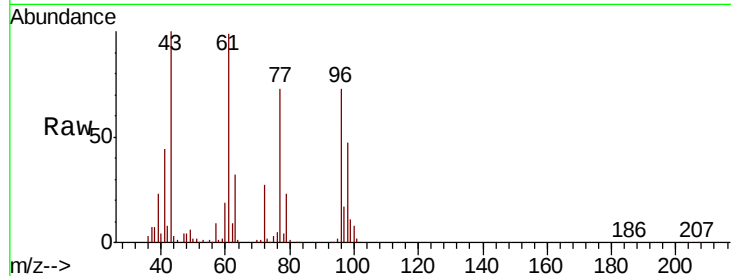
ClientSampleId :

VN1220WBS02

Tot Ion:	96	Resp:	244566
Ion Ratio	Lower	Upper	
96	100		
61	140.4	0.0	284.2
98	65.2	0.0	129.2

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12/21/2018 11:31:30 AM



#28

Bromochloromethane

Concen: 20.584 ug/l

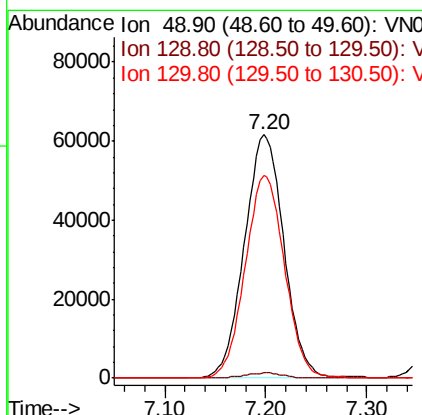
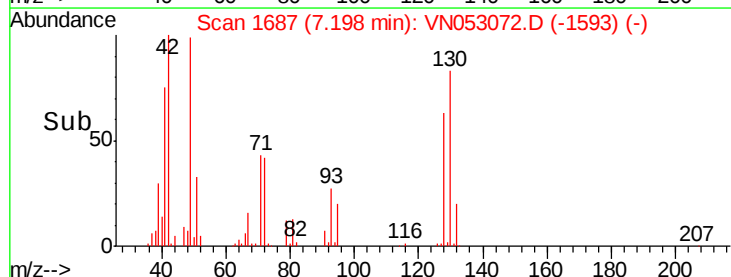
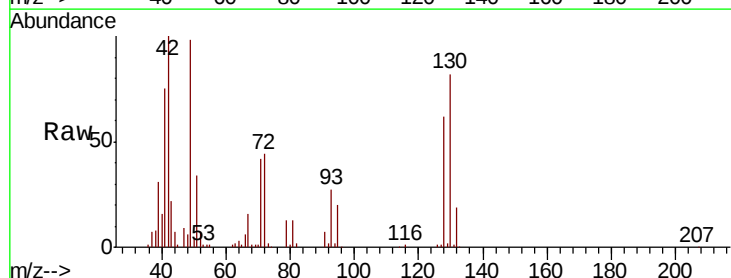
RT: 7.20 min Scan# 1687

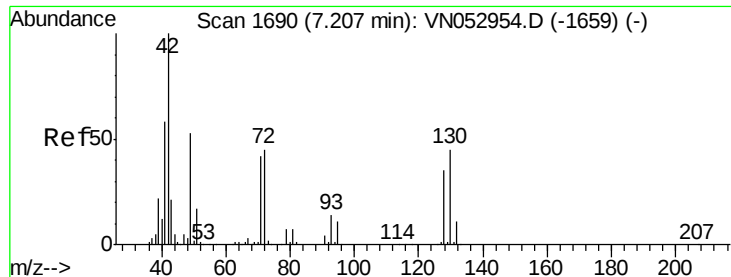
Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	49	Resp:	167221
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	83.0	63.3	94.9





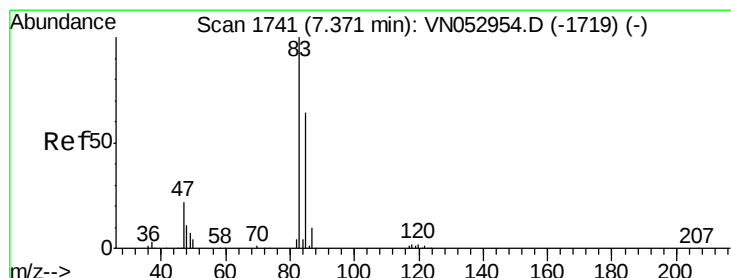
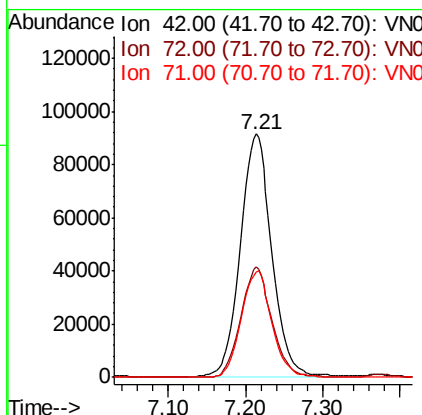
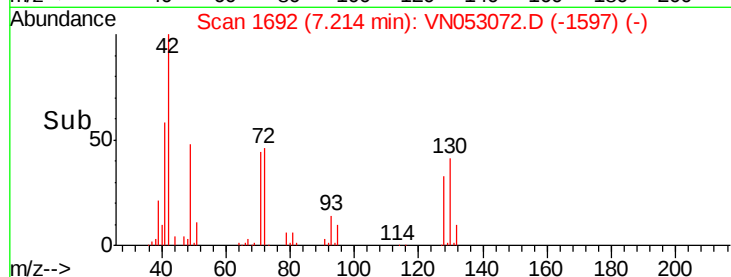
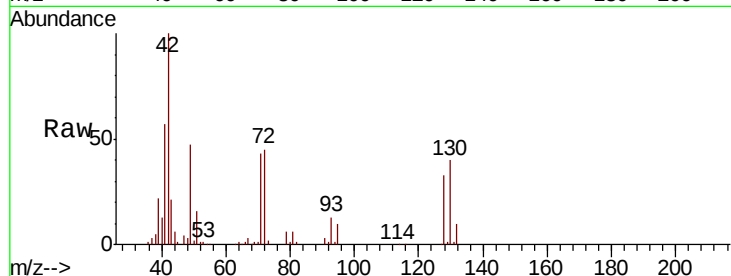
#29
Tetrahydrofuran
Concen: 103.199 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.7	52.1
71	42.7	32.3	48.5

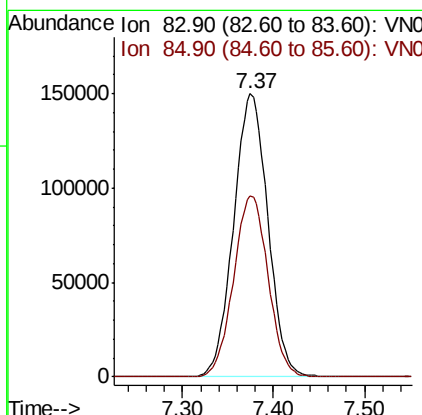
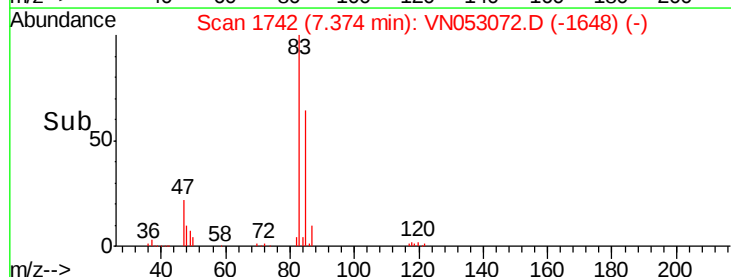
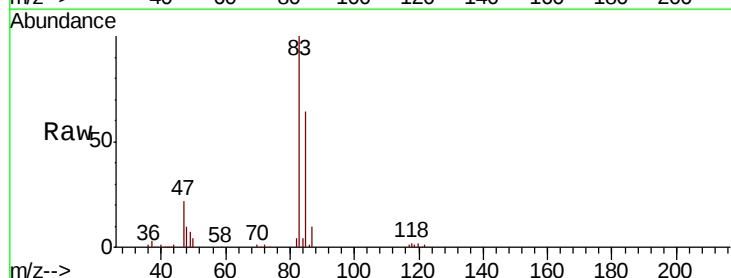
Manual Integrations
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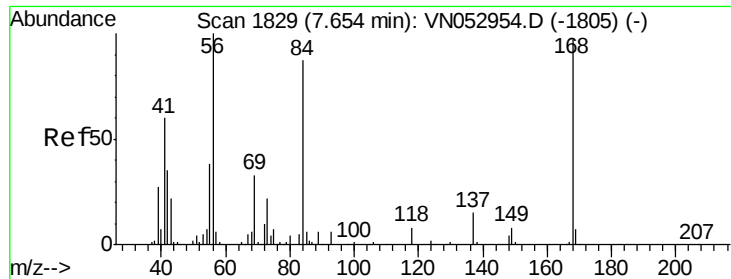
MMDadoda
12/21/2018 11:31:30 AM



#30
Chloroform
Concen: 21.323 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1





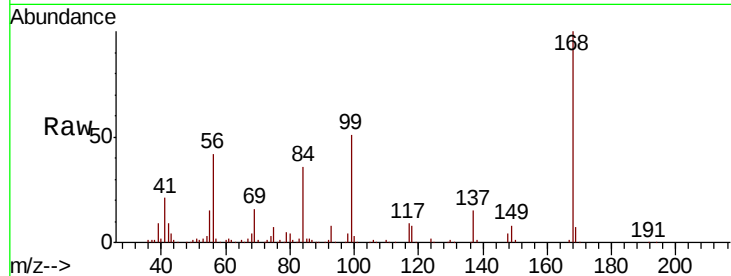
#31
Cyclohexane
Concen: 20.340 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.6	39.8
84	85.4	68.4	102.6

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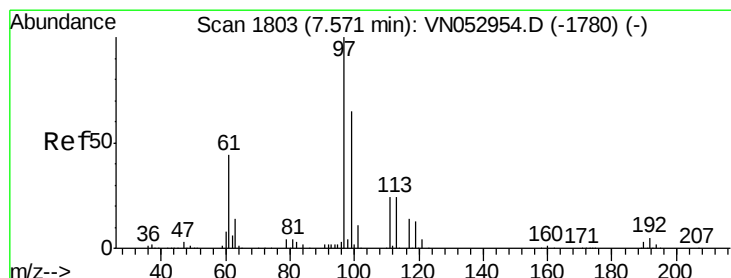
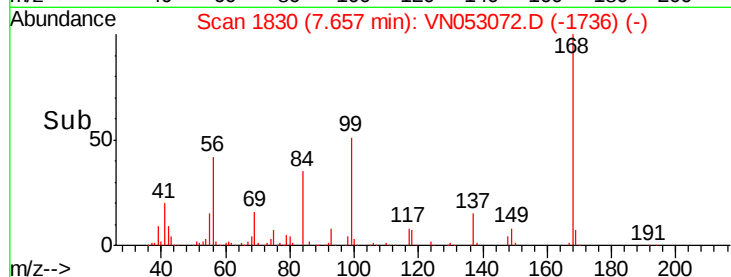
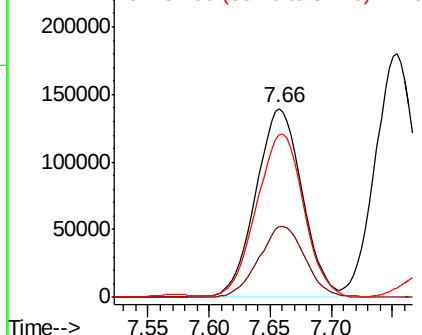


Abundance

Ion 56.00 (55.70 to 56.70): VNO

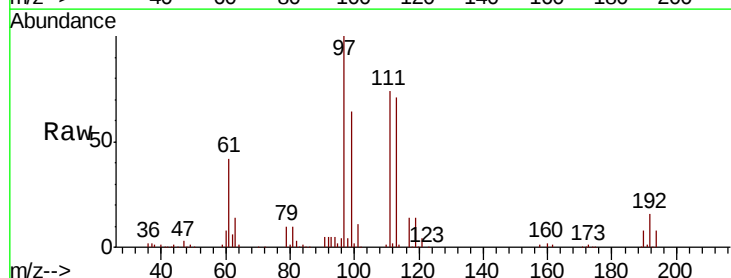
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 20.761 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	42.7	35.0	52.6

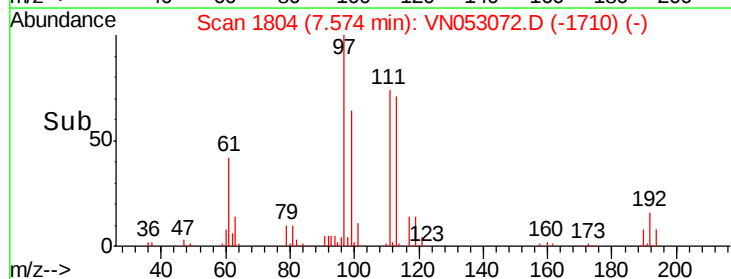
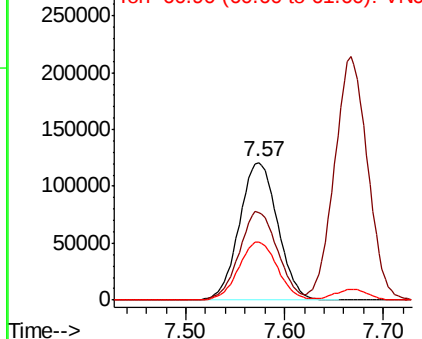


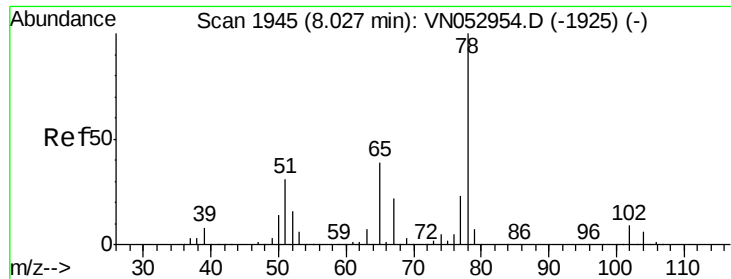
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





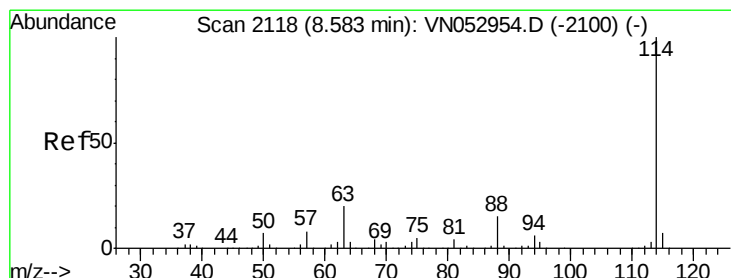
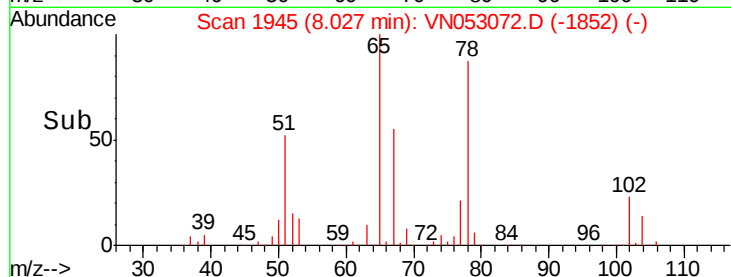
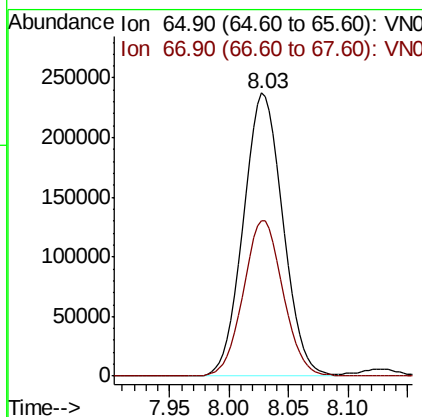
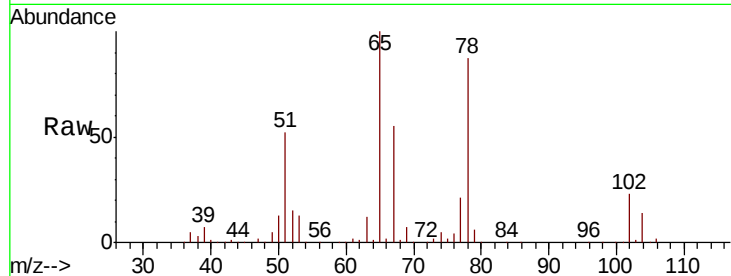
#33
 1,2-Dichloroethane-d4
 Concen: 20.761 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	547782		
67	55.2	0.0	110.4	

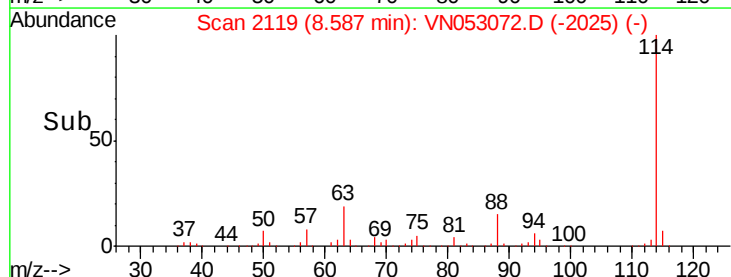
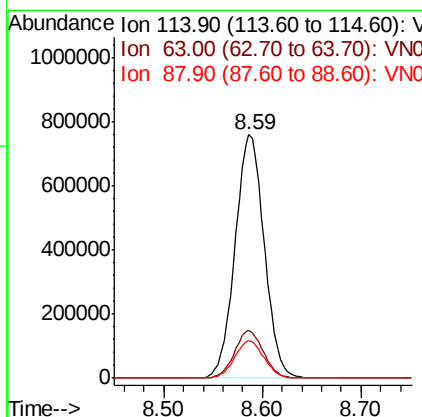
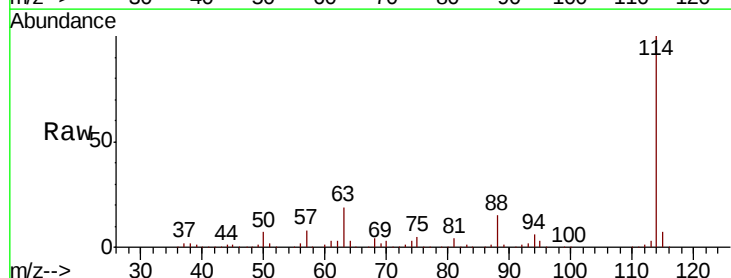
Manual Integrations
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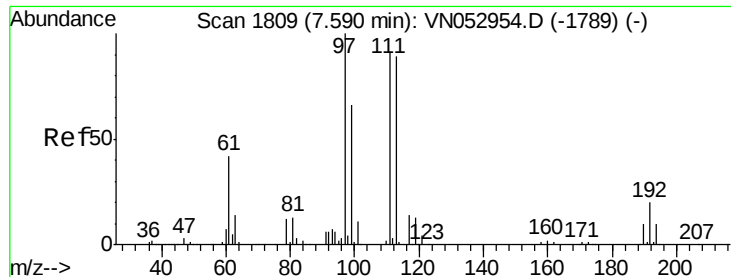
MMDadoda
 12/21/2018 11:31:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1557189		
63	19.5	0.0	39.8	
88	15.4	0.0	31.0	





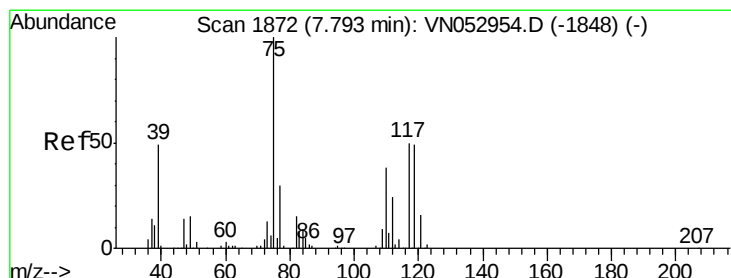
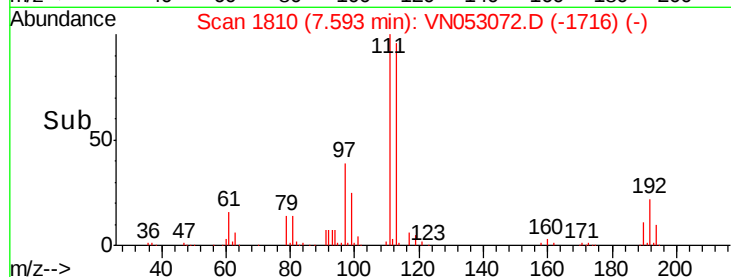
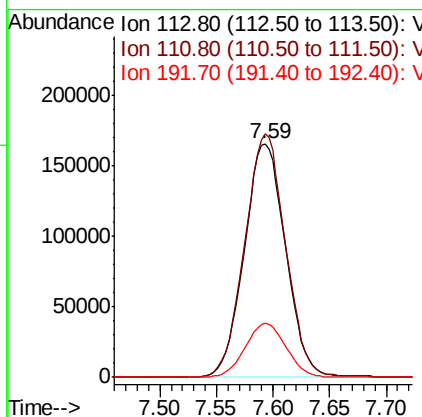
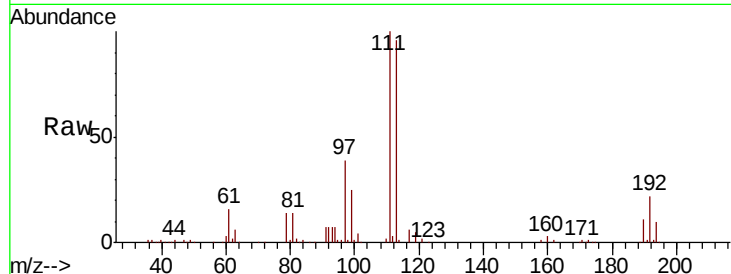
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	420655		
111	103.1	83.0	124.4	
192	23.0	17.5	26.3	

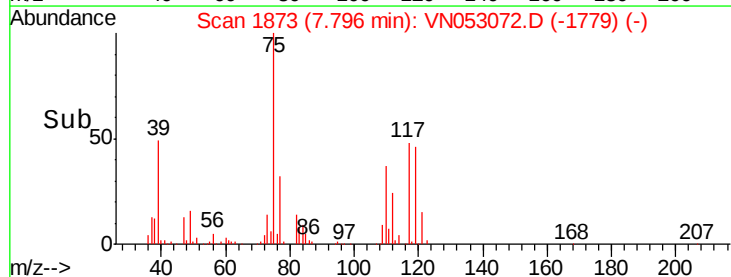
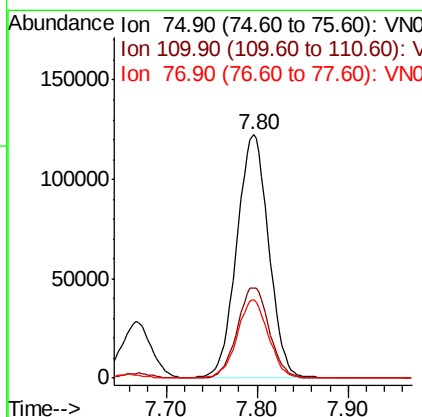
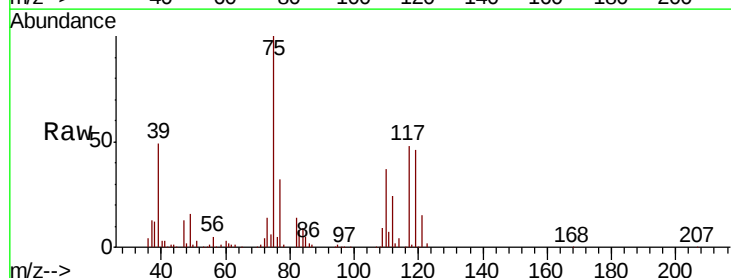
Manual Integrations
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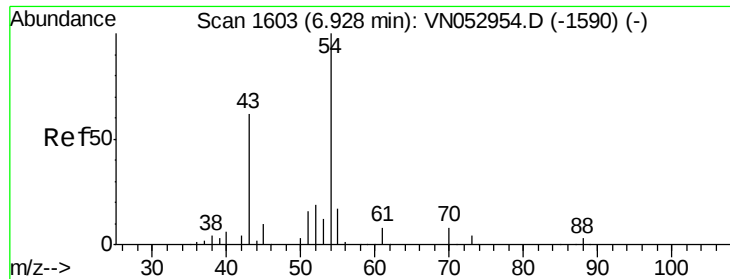
MMDadoda
12/21/2018 11:31:30 AM



#36
1,1-Dichloropropene
Concen: 20.025 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299307		
110	37.0	18.2	54.6	
77	31.6	24.9	37.3	





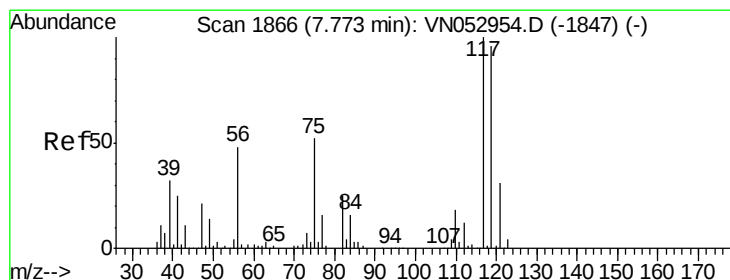
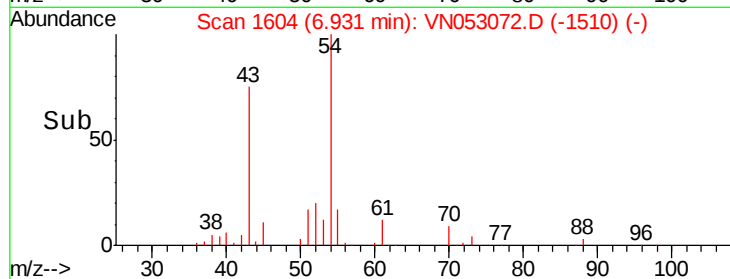
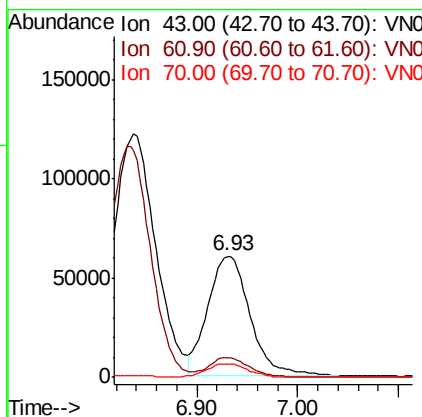
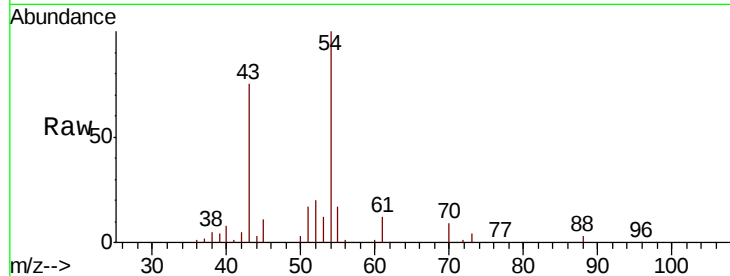
#37
Ethyl Acetate
Concen: 21.178 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	43	61	70
Resp	176704		
Ratio	100	14.4	11.3
Lower		11.8	8.4
Upper		17.6	12.6

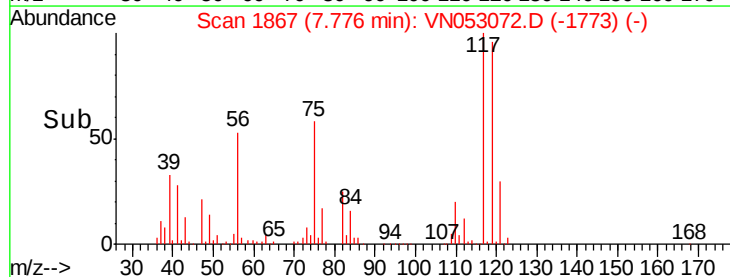
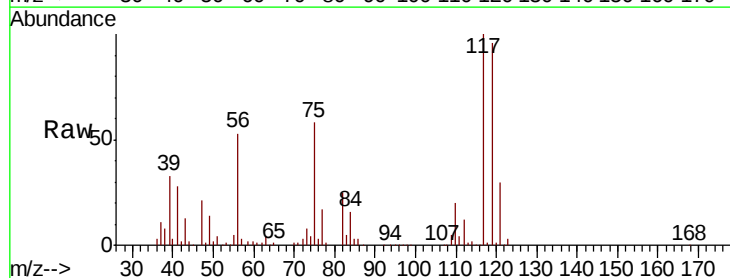
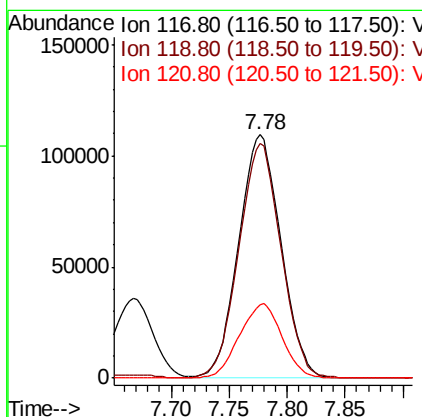
Manual Integrations
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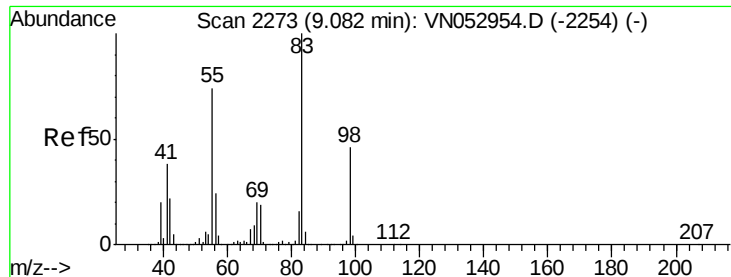
MMDadoda
12/21/2018 11:31:30 AM



#38
Carbon Tetrachloride
Concen: 20.156 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	117	119	121
Resp	276129		
Ratio	100	96.5	30.5
Lower		77.1	24.9
Upper		115.7	37.3





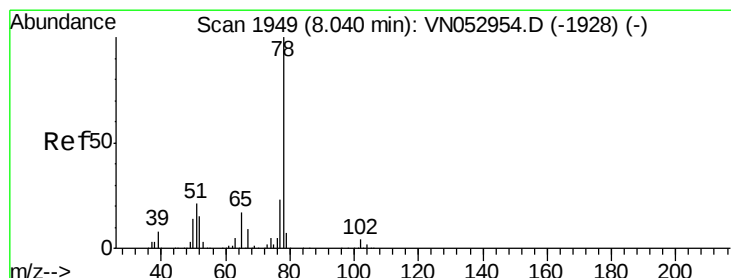
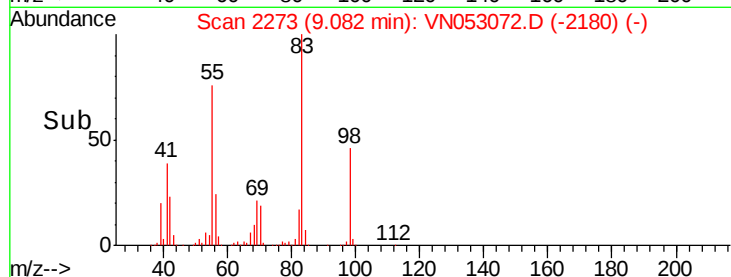
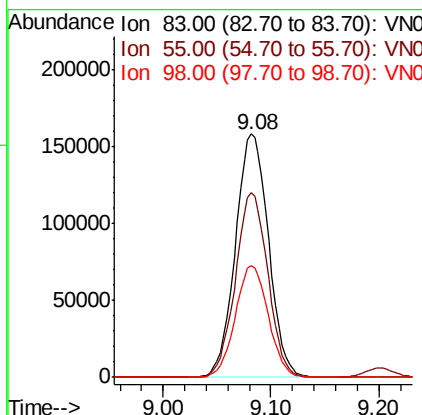
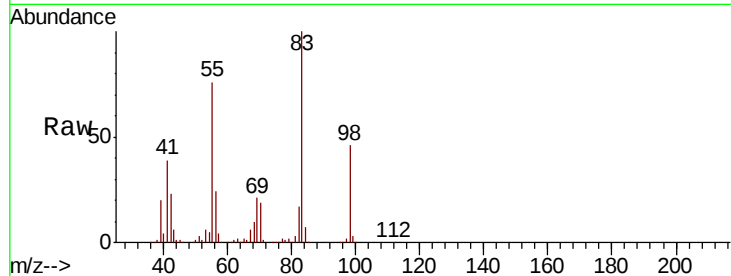
#39
Methvlcvclohexane
Concen: 18.548 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.3	91.9
98	46.0	37.0	55.4

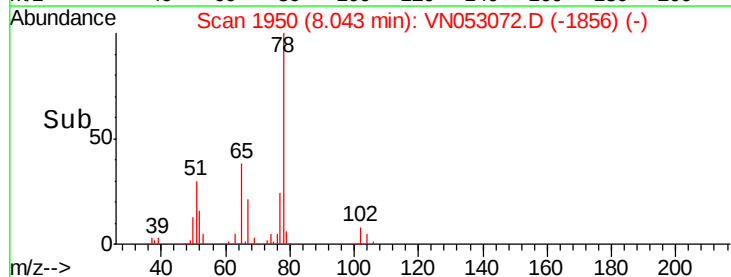
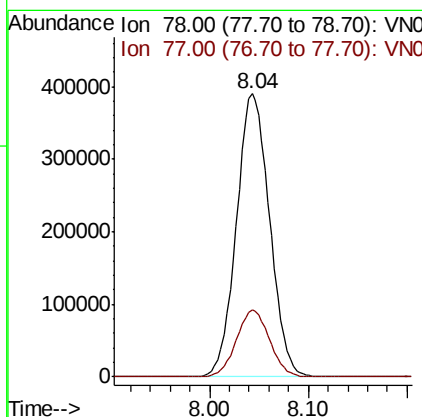
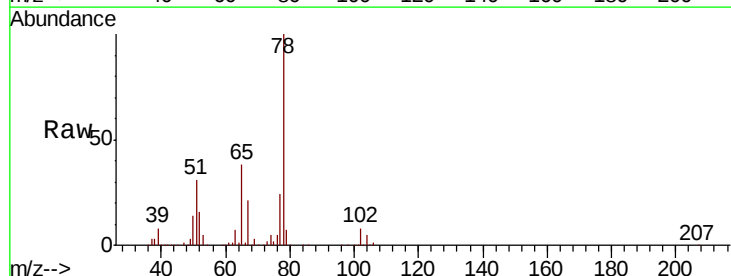
Manual Integrations
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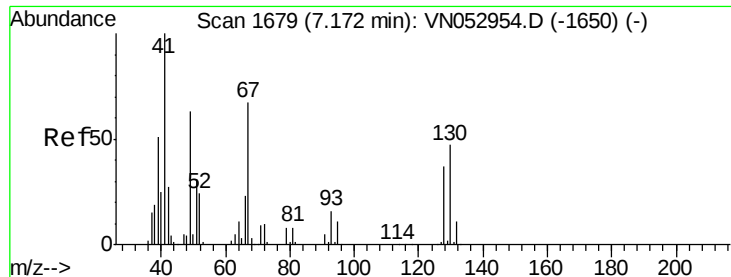
MMDadoda
12/21/2018 11:31:30 AM



#40
Benzene
Concen: 20.429 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





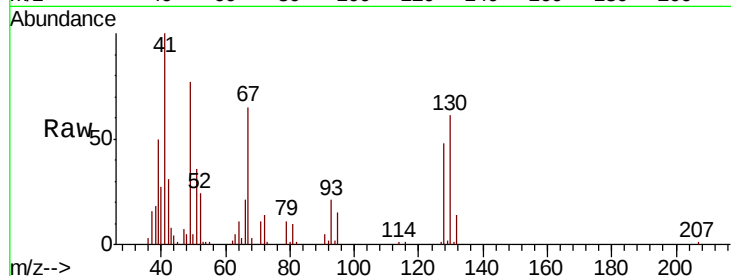
#41
Methacrylonitrile
Concen: 21.836 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.9	48.0	72.0
67	80.5	70.3	105.5
52	31.3	26.9	40.3

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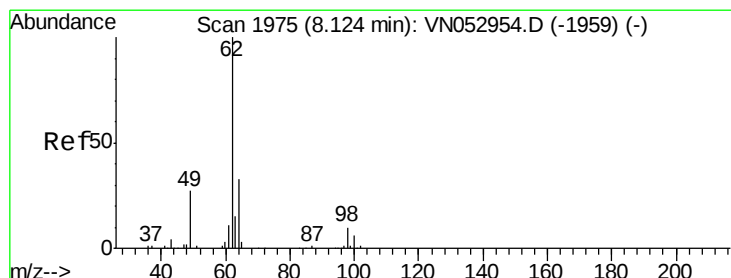
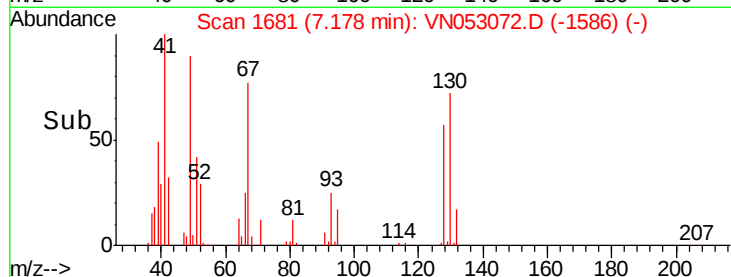
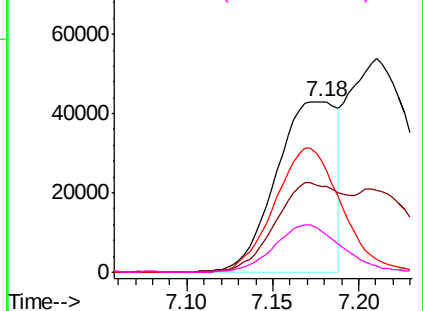
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

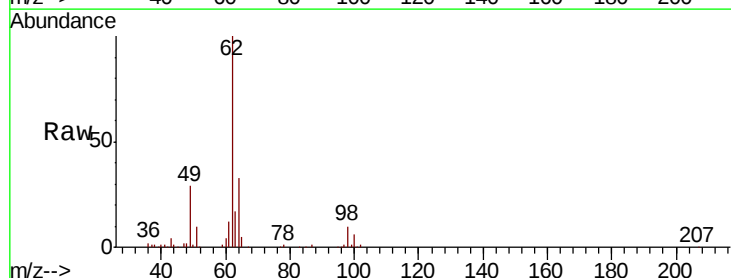
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.624 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

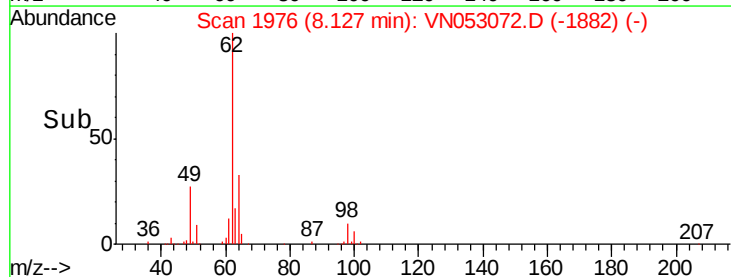
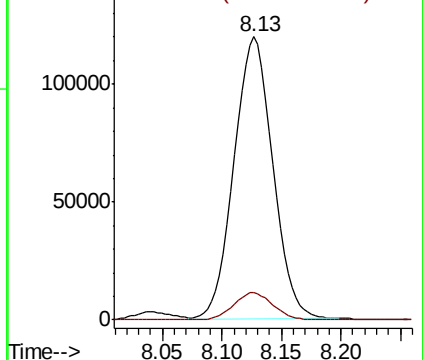
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0

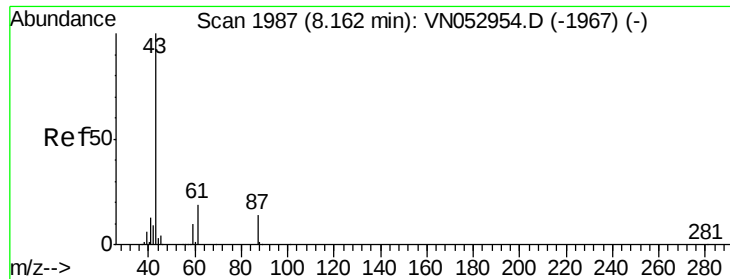


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

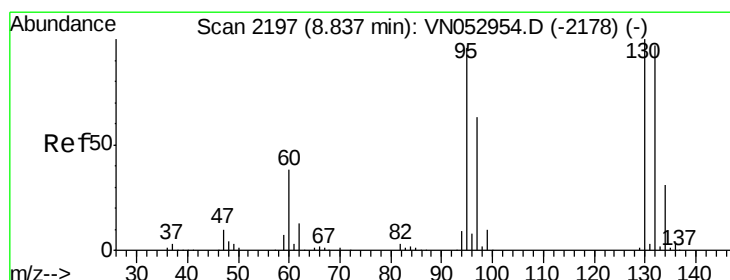
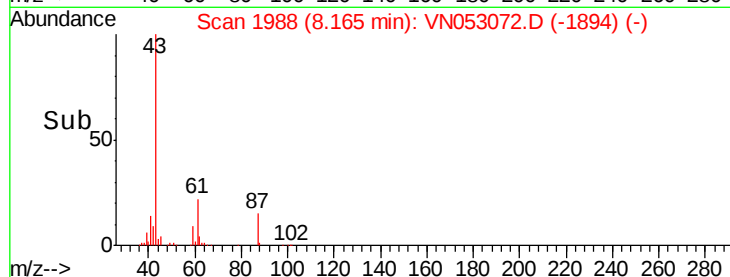
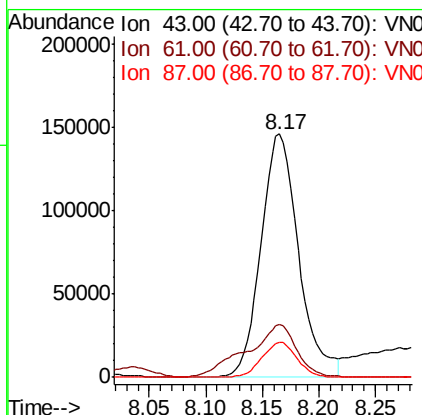
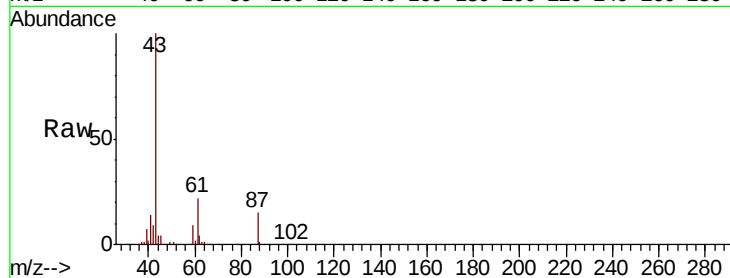
Isopropyl Acetate
 Concen: 20.144 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.9	34.3
87	13.5	10.6	15.8

Manual Integrations
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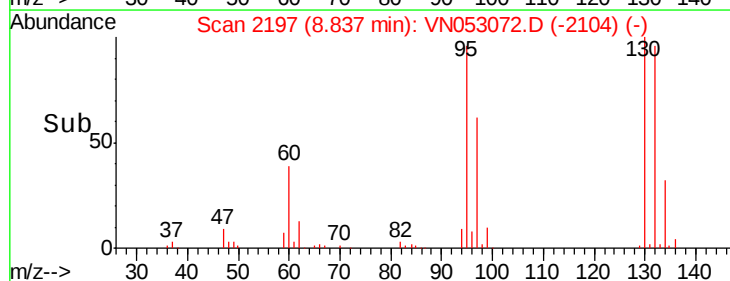
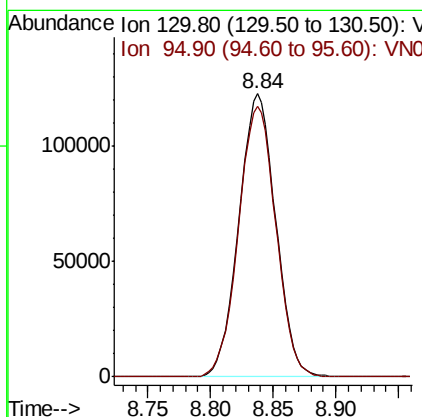
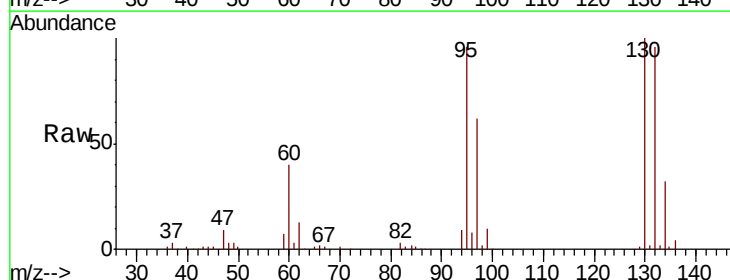
MMDadoda
 12/21/2018 11:31:30 AM

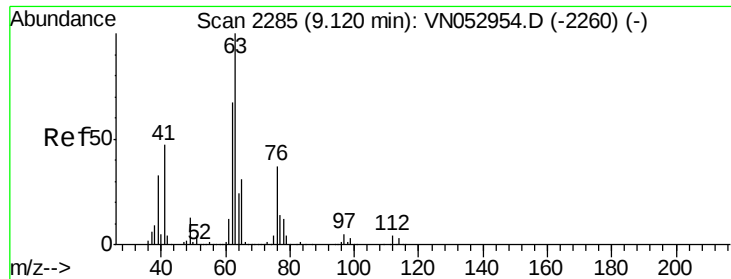


#44

Trichloroethene
 Concen: 19.481 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	197.8





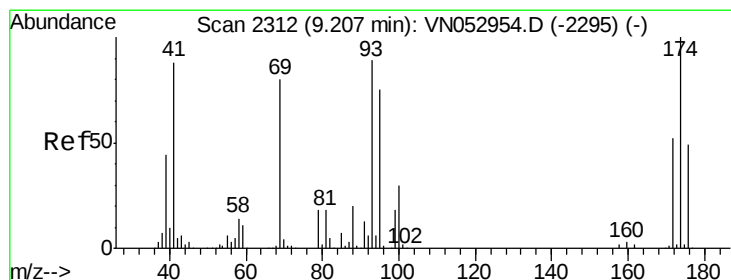
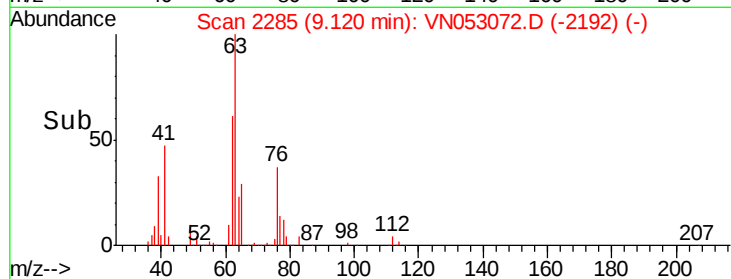
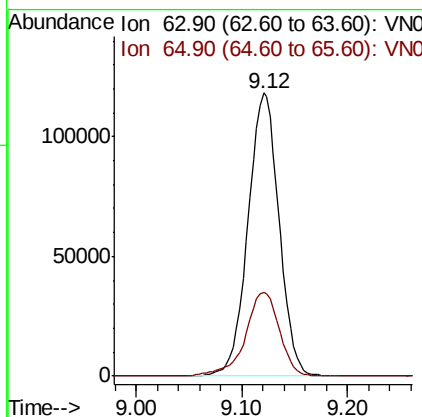
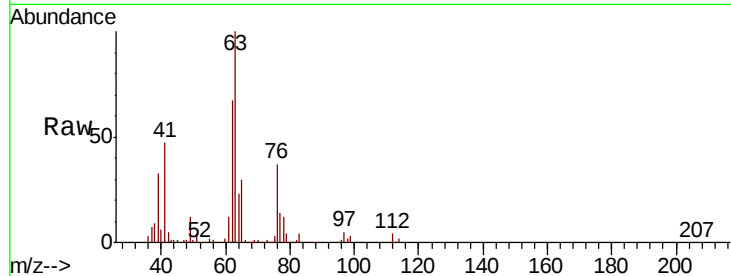
#45
 1,2-Dichloropropane
 Concen: 20.959 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.6	37.0

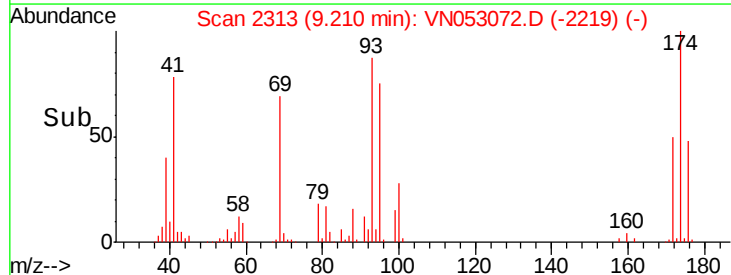
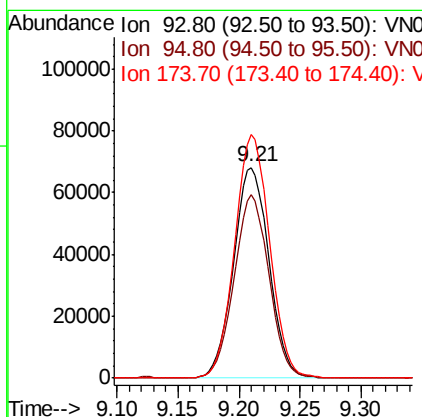
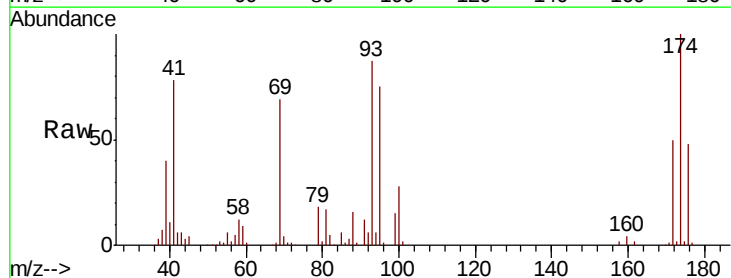
Manual Integrations
 APPROVED

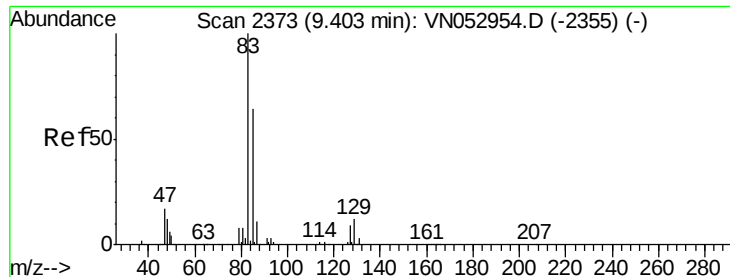
MMDadoda
 12/21/2018 11:31:30 AM



#46
 Dibromomethane
 Concen: 20.432 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.4	67.8	101.6
174	113.9	89.0	133.4





#47

Bromodichloromethane

Concen: 20.185 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

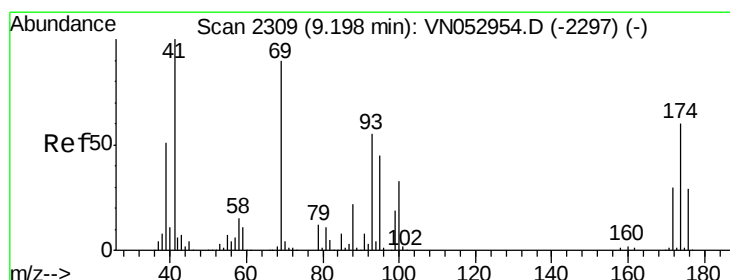
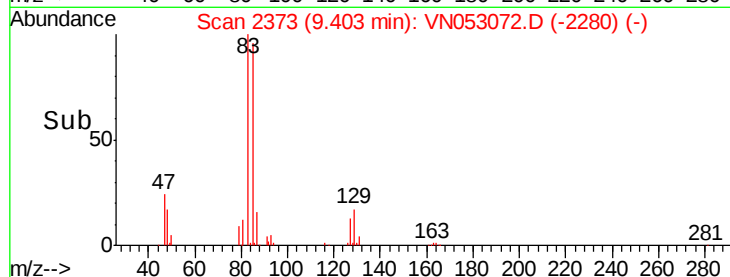
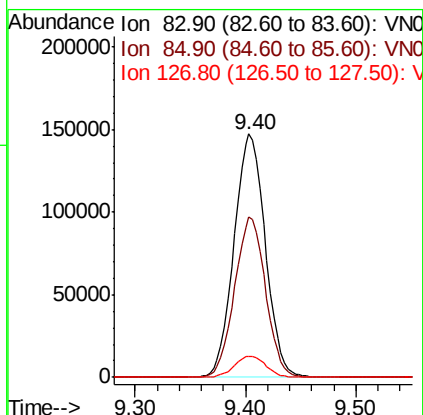
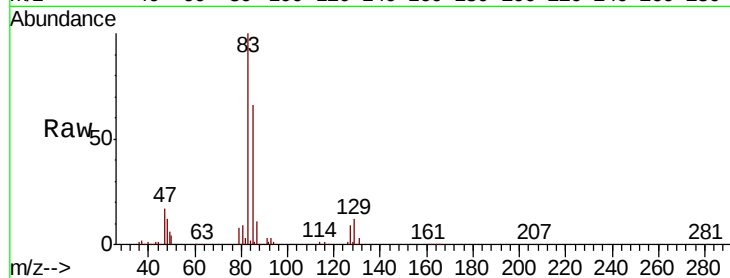
ClientSampleId :

VN1220WBS02

Tot Ion:	83	Resp:	289446
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.6	77.4
127	8.6	7.1	10.7

Manual Integrations
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MMDadoda
12/21/2018 11:31:30 AM



#48

Methyl methacrylate

Concen: 19.714 ug/l

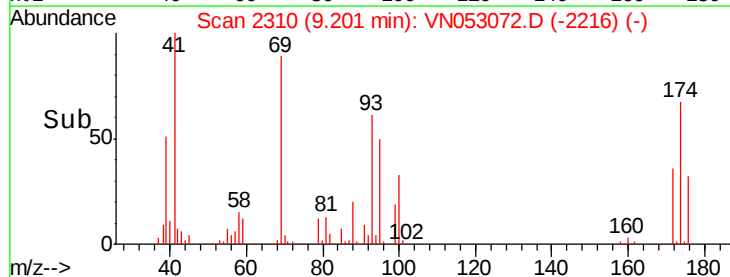
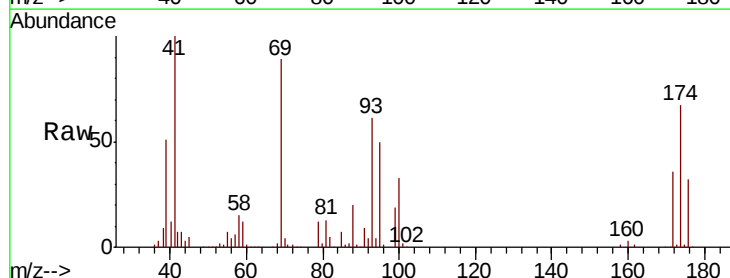
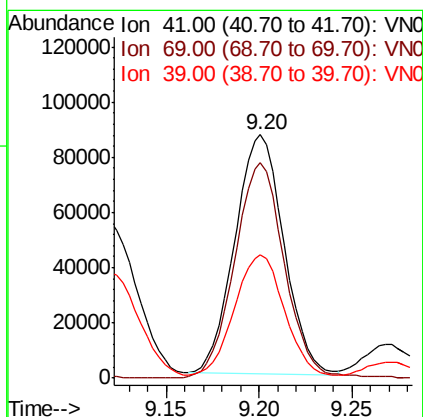
RT: 9.20 min Scan# 2310

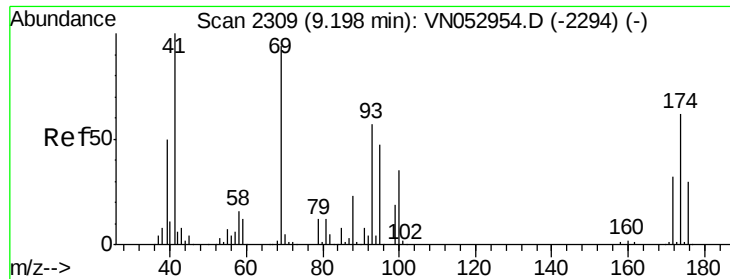
Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	41	Resp:	159614
Ion Ratio	Lower	Upper	
41	100		
69	92.0	72.2	108.2
39	53.0	41.9	62.9





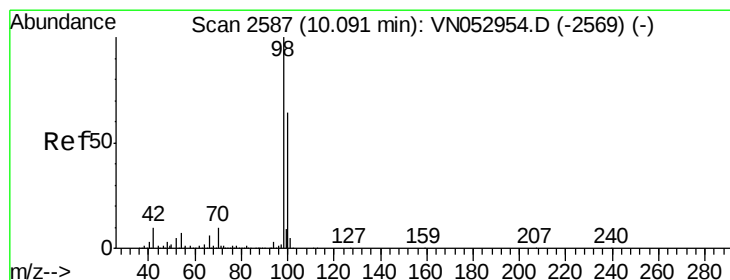
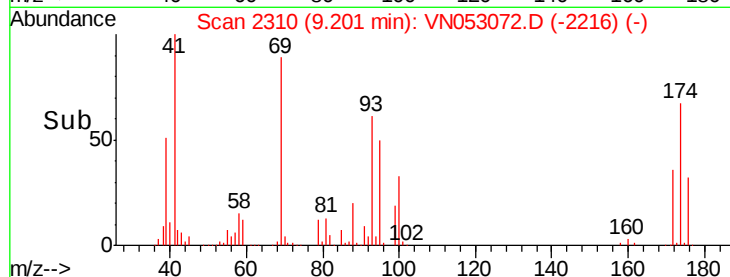
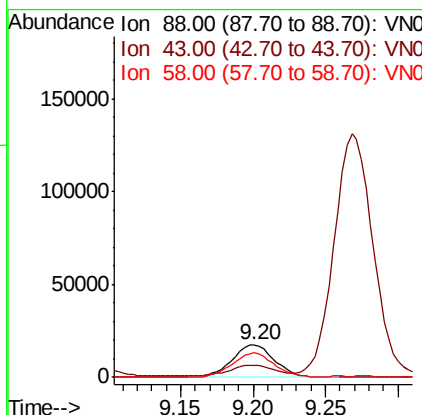
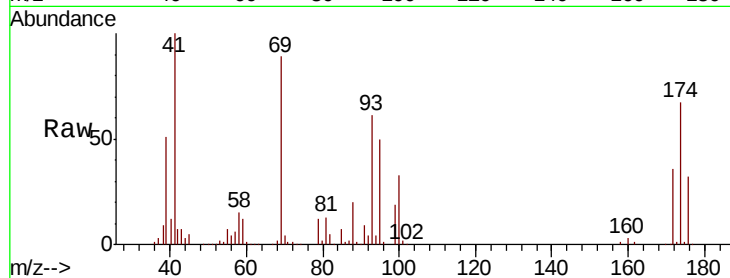
#49
1,4-Dioxane
Concen: 350.847 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	88	Resp	35933
Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.6	40.0
58	74.7	58.4	87.6

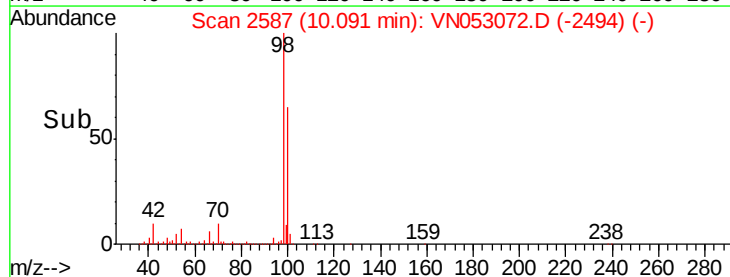
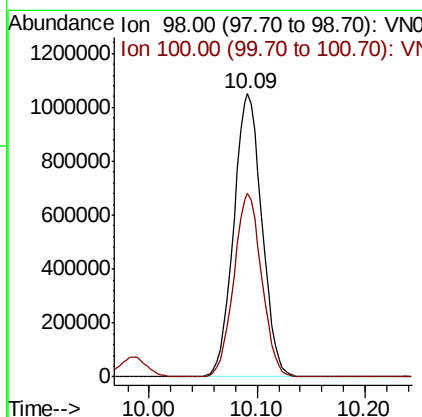
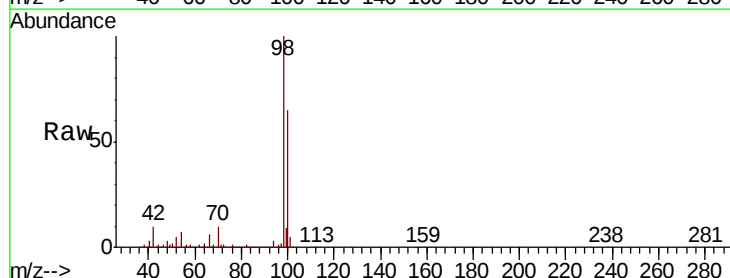
Manual Integrations
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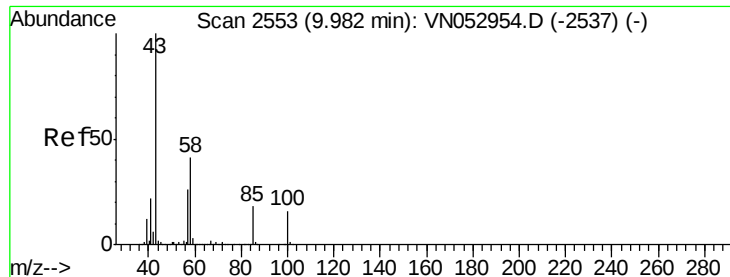
MMDadoda
12/21/2018 11:31:30 AM



#50
Toluene-d8
Concen: 350.847 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	98	Resp	1909063
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





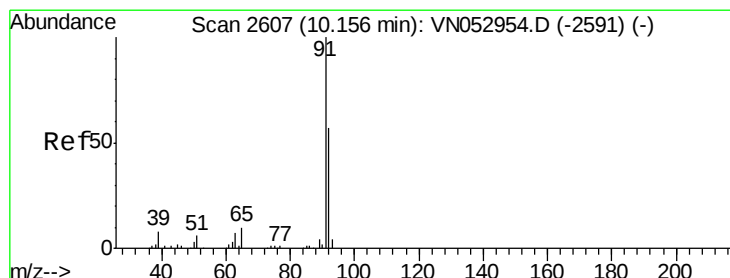
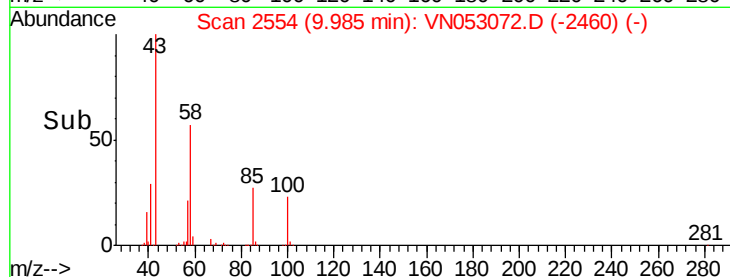
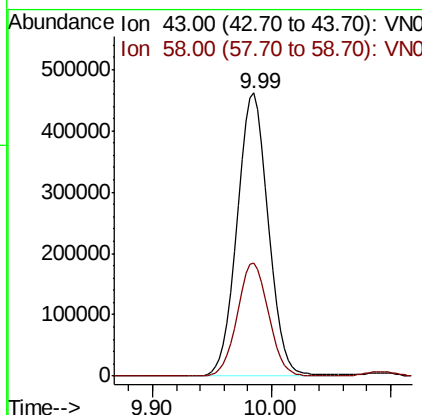
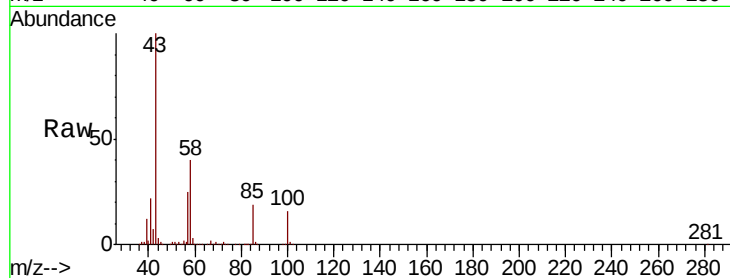
#51
4-Methyl-2-Pentanone
Concen: 103.224 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampled :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.2	48.4

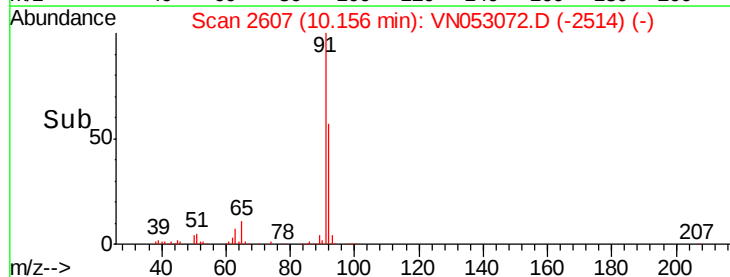
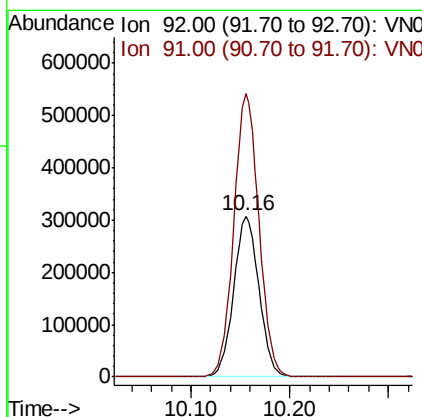
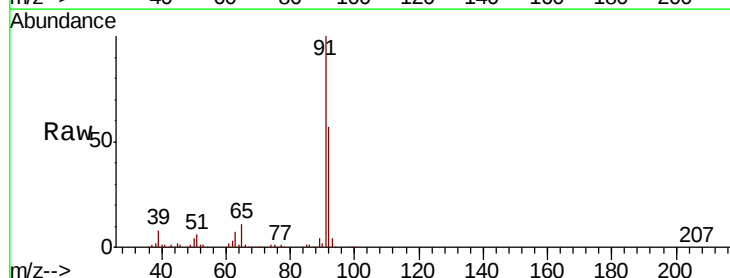
Manual Integrations
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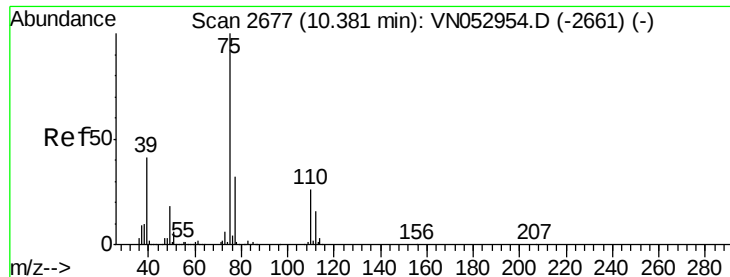
MMDadoda
12/21/2018 11:31:30 AM



#52
Toluene
Concen: 19.842 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.8	139.8	209.6





#53

t-1,3-Dichloropropene

Concen: 18.709 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

Tot Ion: 75 Resp: 282106

Ion Ratio Lower Upper

75 100

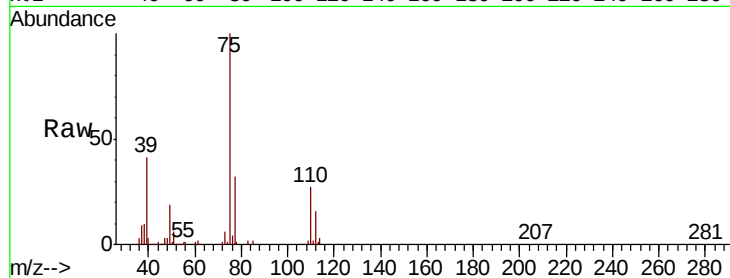
77 31.7 25.6 38.4

Manual Integrations

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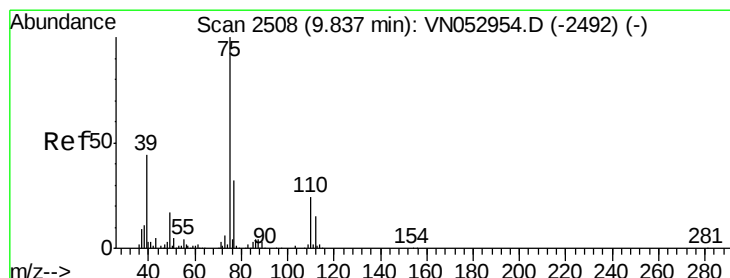
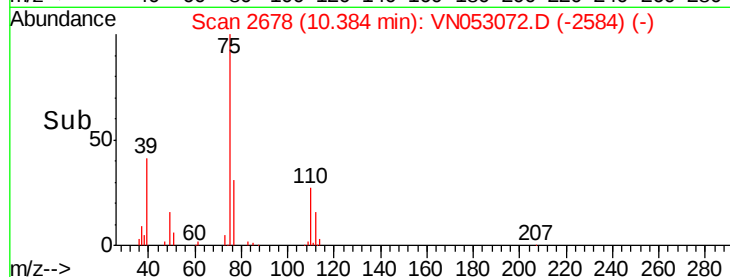
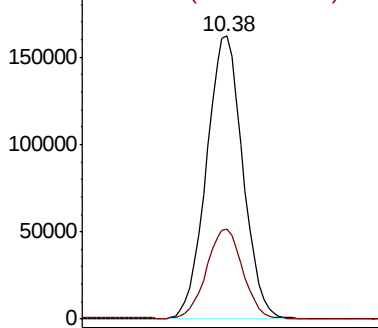
MMDadoda

12/21/2018 11:31:30 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.847 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

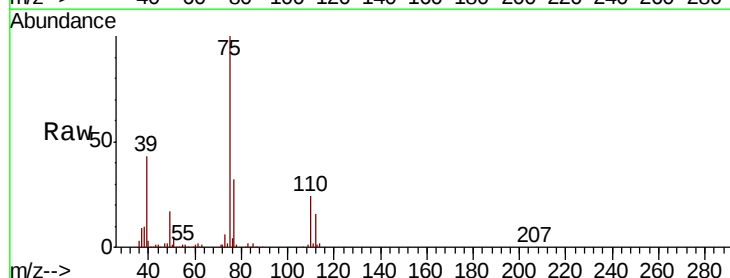
Tgt Ion: 75 Resp: 343501

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

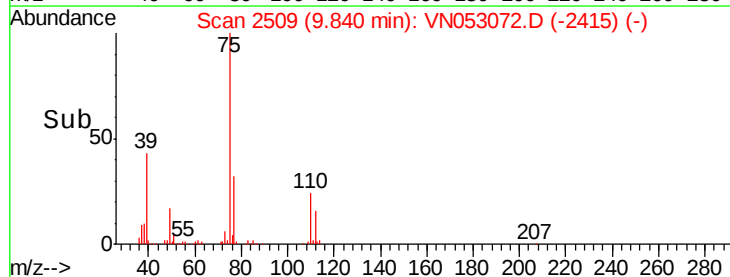
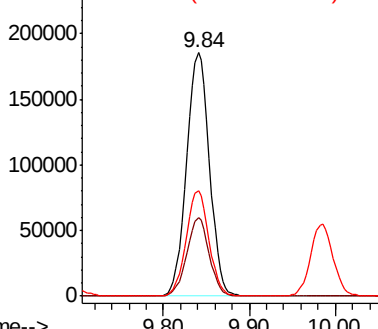
39 43.2 34.8 52.2

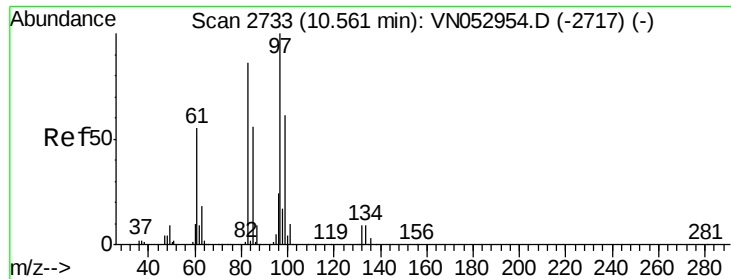


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





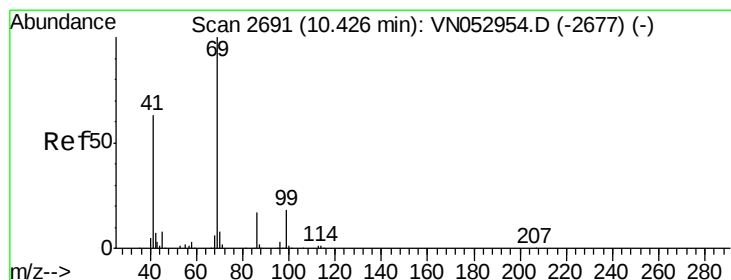
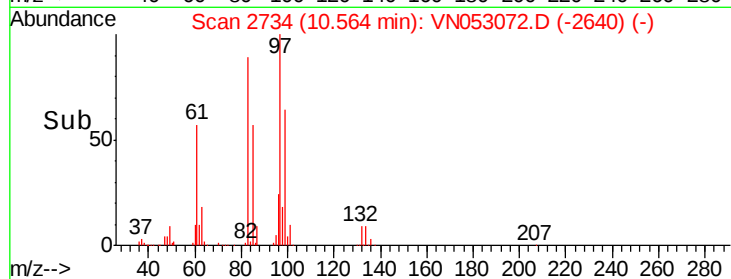
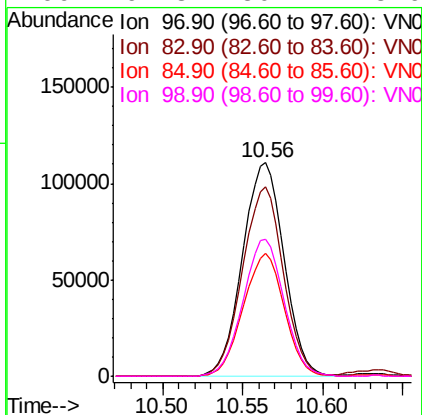
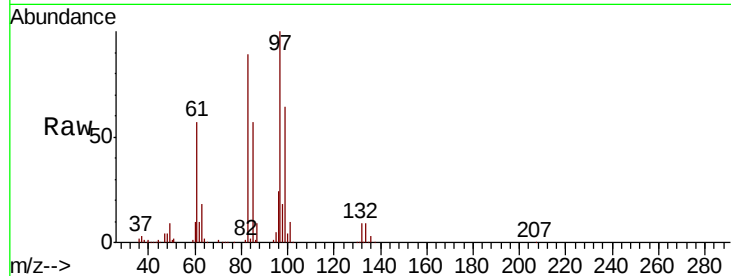
#55
 1,1,2-Trichloroethane
 Concen: 20.468 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion:	97	Resp:	196769
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.9	106.3
85	57.5	45.4	68.2
99	64.3	50.4	75.6

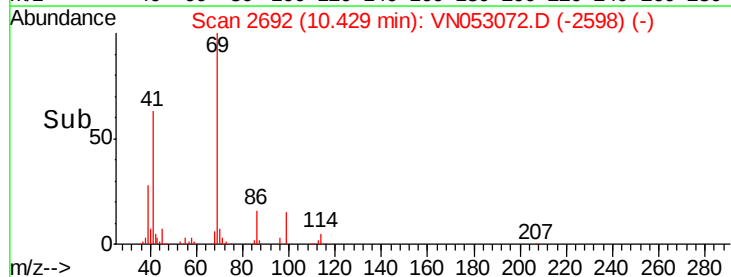
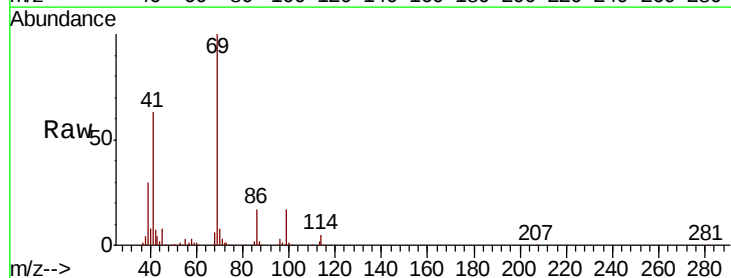
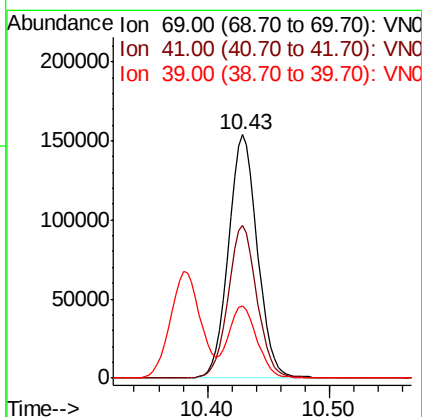
Manual Integrations
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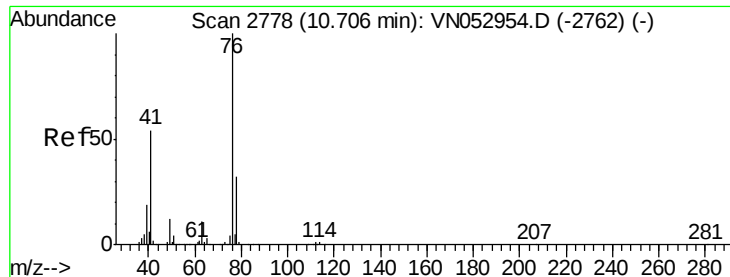
MMDadoda
 12/21/2018 11:31:30 AM



#56
 Ethyl methacrylate
 Concen: 19.960 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion:	69	Resp:	253979
Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.7	77.5
39	29.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.420 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

Tot Ion: 76 Resp: 336637

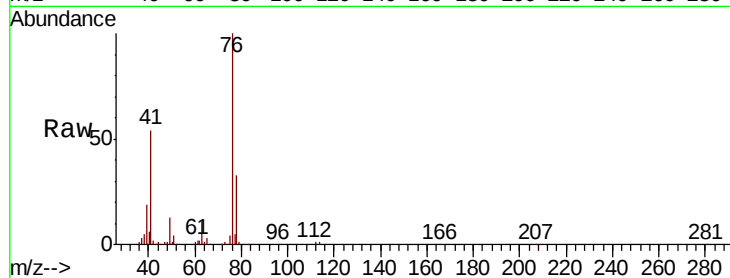
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
12/21/2018 11:31:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

200000

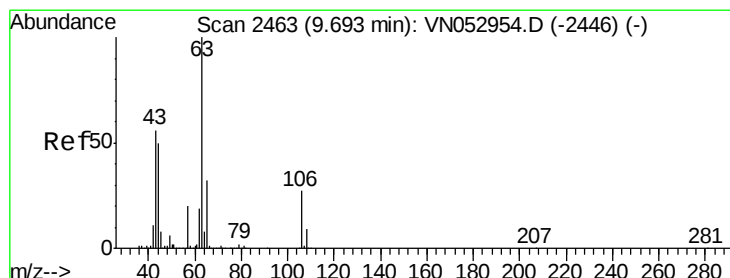
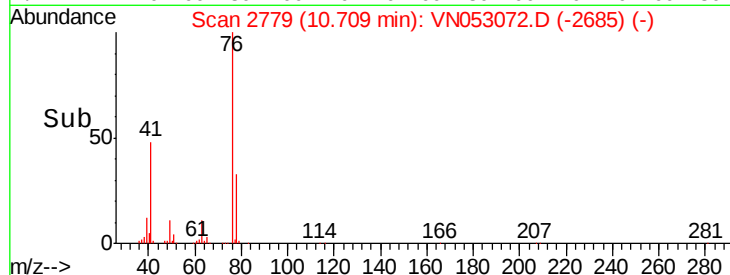
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.099 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053072.D

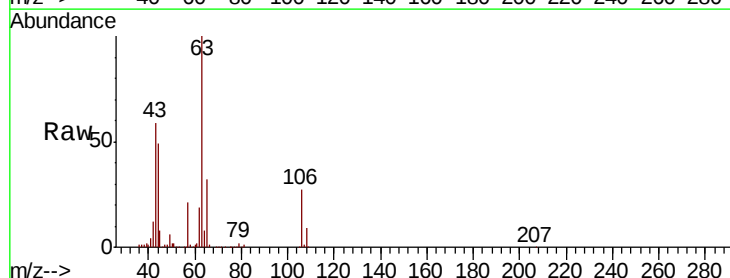
Acq: 20 Dec 2018 23:02

Tgt Ion: 63 Resp: 713223

Ion Ratio Lower Upper

63 100

106 27.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.70

400000

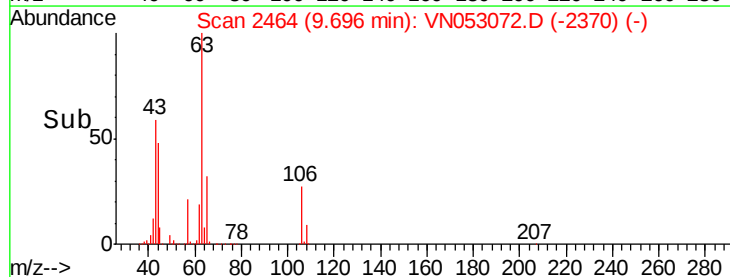
300000

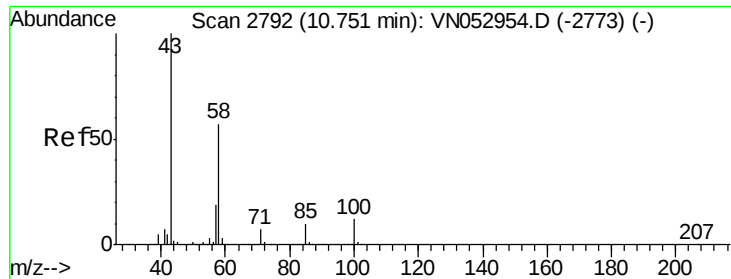
200000

100000

0

Time-->





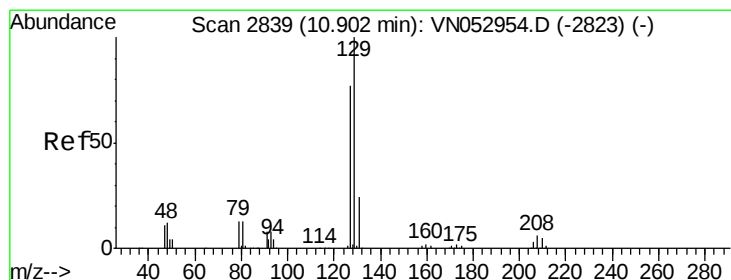
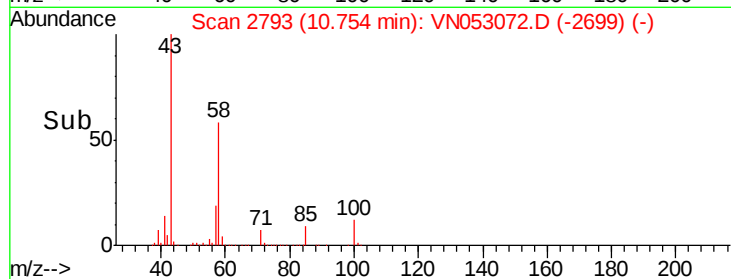
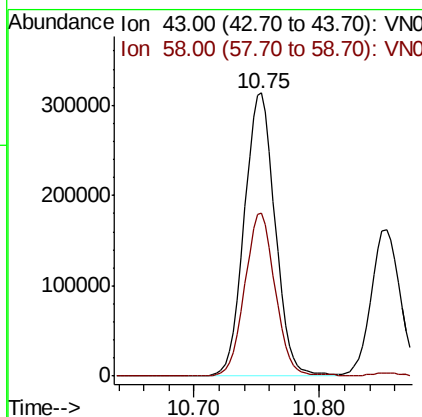
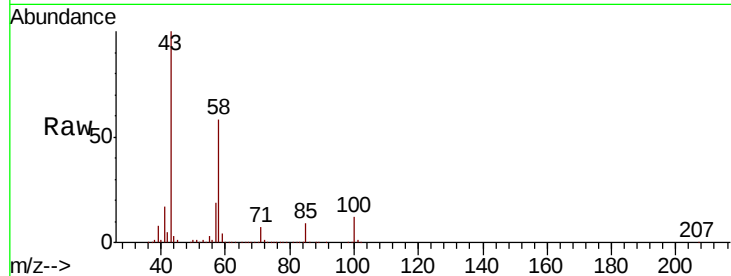
#59
2-Hexanone
Concen: 97.753 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	43	Resp	534415
Ion Ratio	100	Lower	Upper
43	100		
58	57.1	28.1	84.3

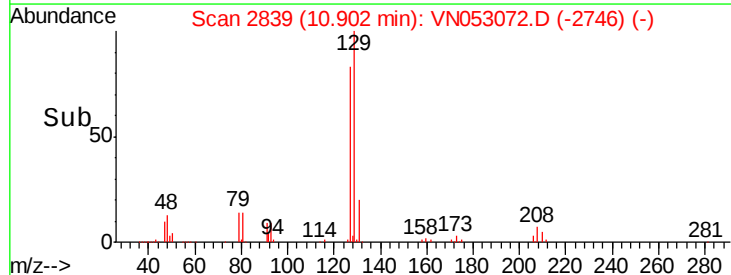
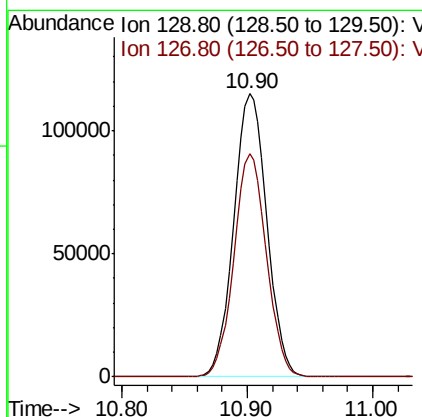
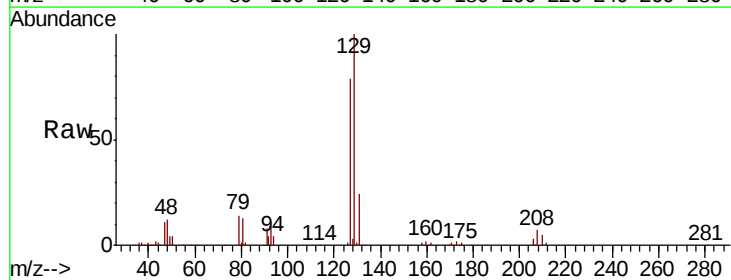
Manual Integrations
APPROVED

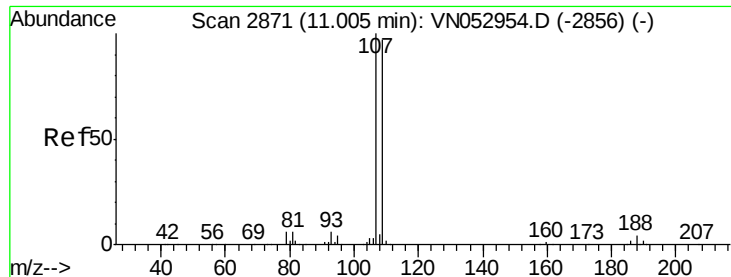
MMDadoda
12/21/2018 11:31:30 AM



#60
Dibromochloromethane
Concen: 19.183 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	129	Resp	211099
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.6	116.0





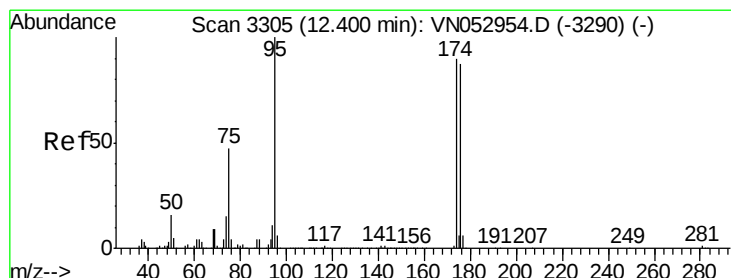
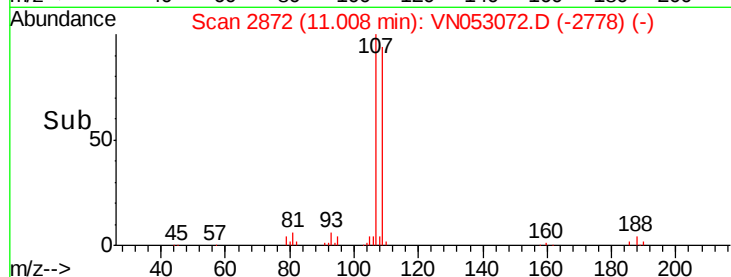
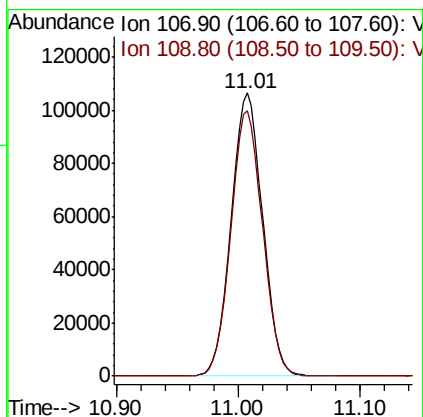
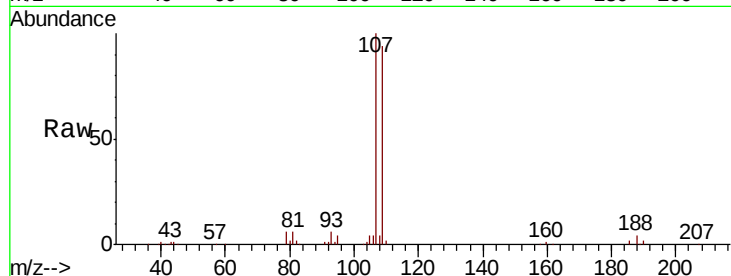
#61
 1,2-Dibromoethane
 Concen: 19.514 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion: 107 Resp: 190527
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0

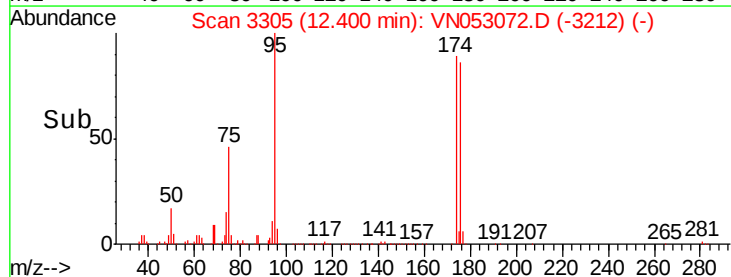
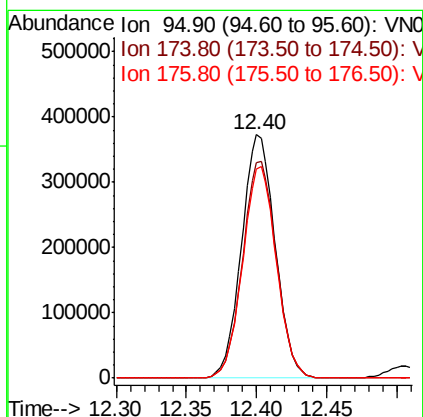
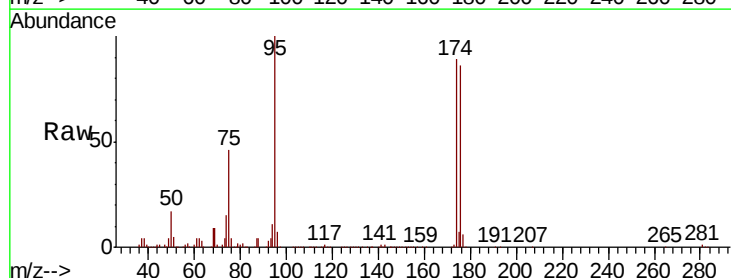
Manual Integrations
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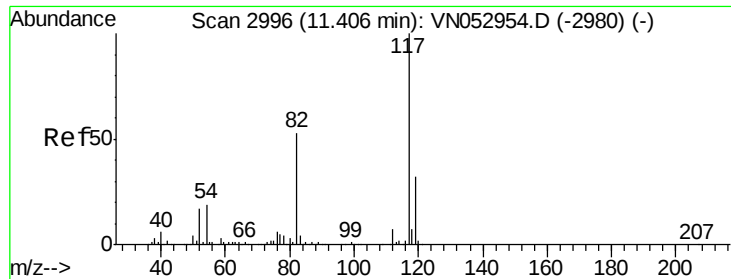
MMDadoda
 12/21/2018 11:31:30 AM



#62
 4-Bromofluorobenzene
 Concen: 19.514 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 95 Resp: 622025
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.8
 176 87.4 0.0 173.8





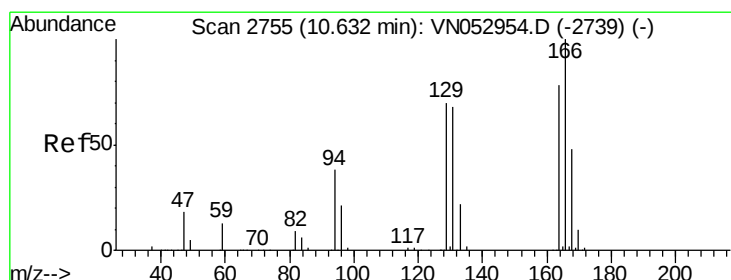
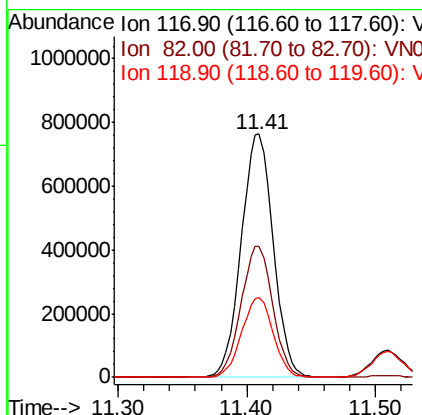
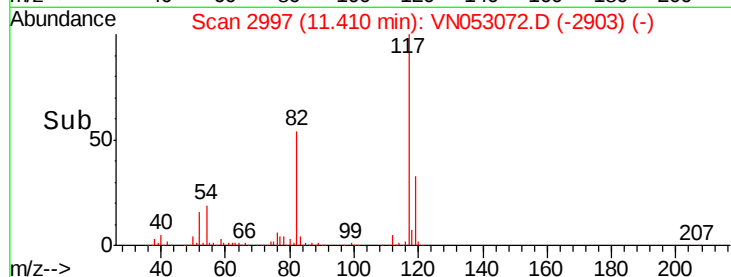
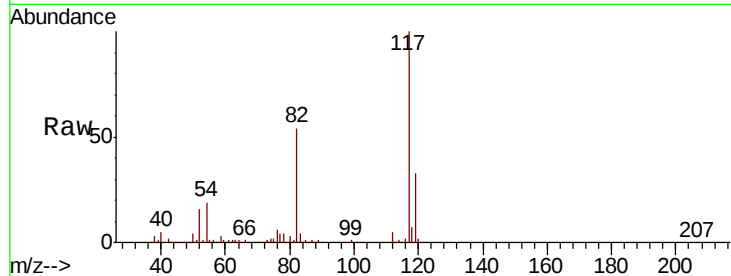
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.8	64.2
119	32.8	25.5	38.3

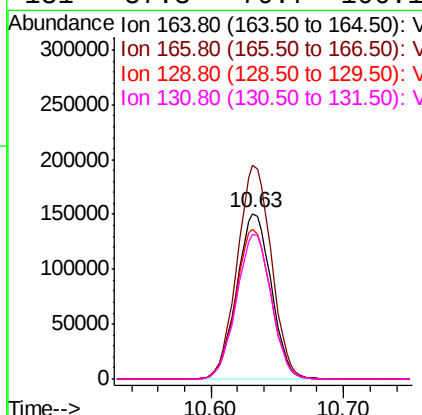
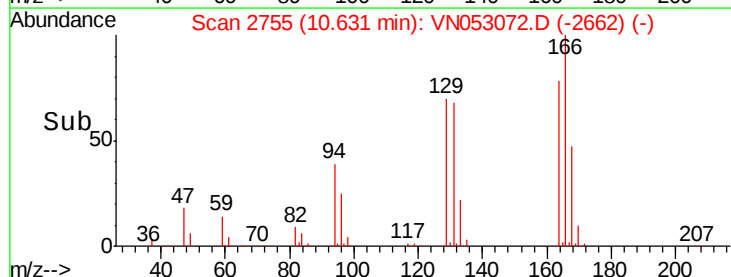
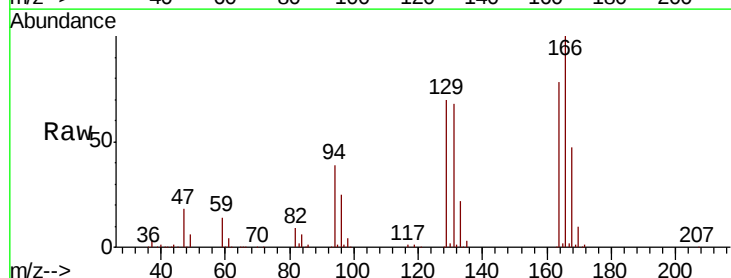
Manual Integrations
APPROVED

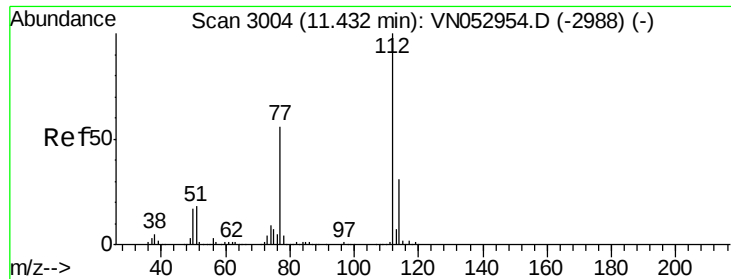
MMDadoda
12/21/2018 11:31:30 AM



#64
Tetrachloroethene
Concen: 19.055 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.9	154.3
129	90.7	73.7	110.5
131	87.3	70.7	106.1





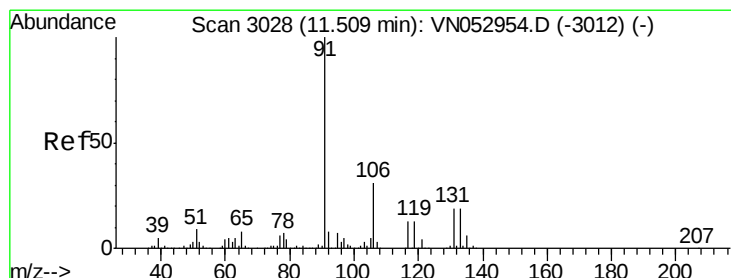
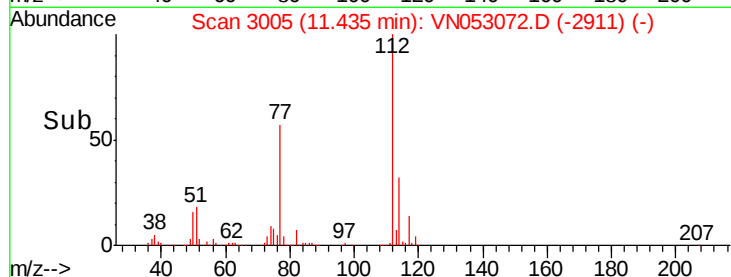
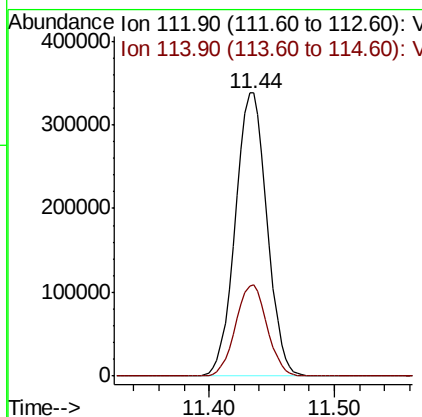
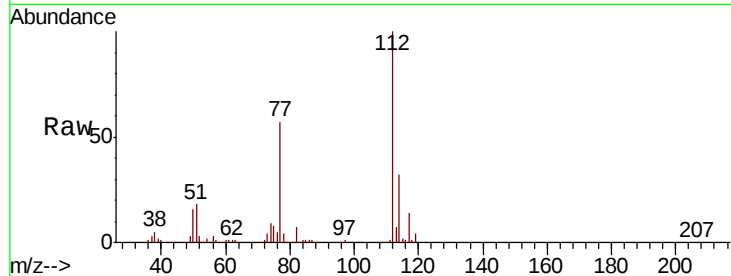
#65
Chlorobenzene
Concen: 20.245 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.5	38.3

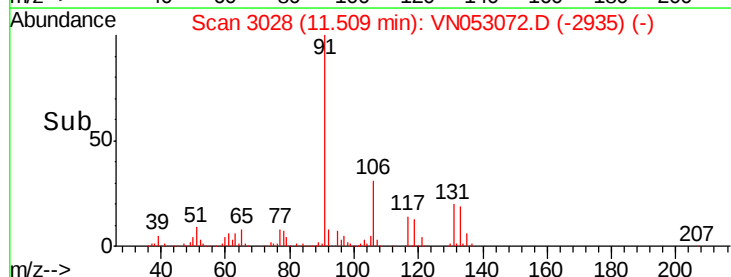
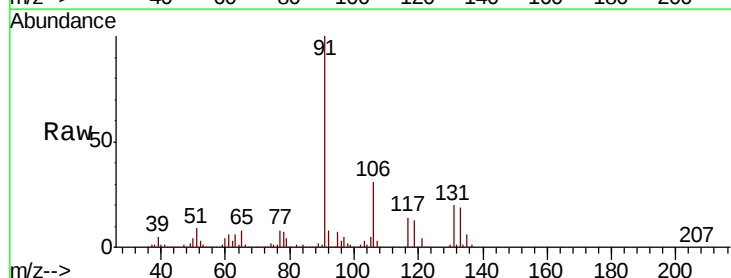
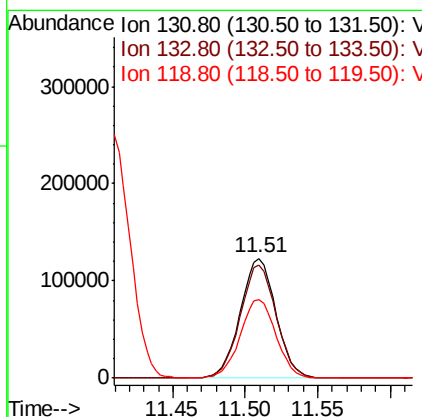
Manual Integrations
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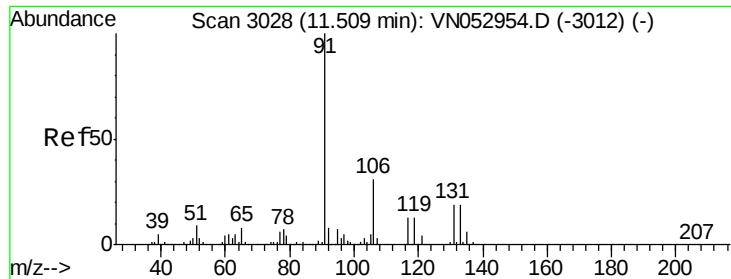
MMDadoda
12/21/2018 11:31:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.724 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.9
119	65.7	33.3	99.8





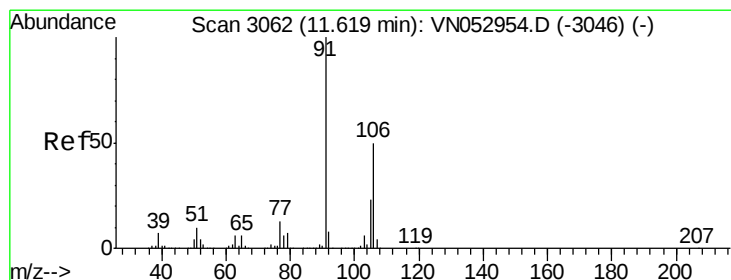
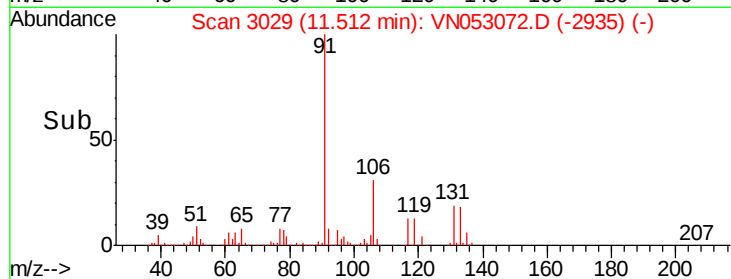
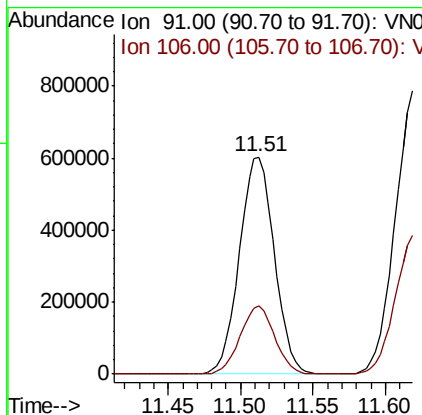
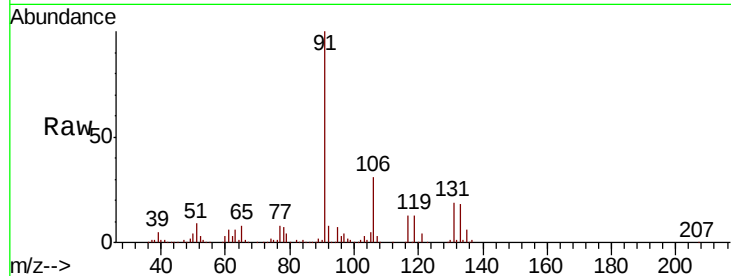
#67
Ethyl Benzene
Concen: 20.091 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion: 91 Resp: 1011305
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

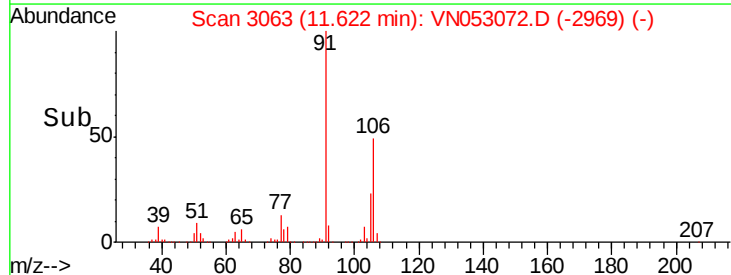
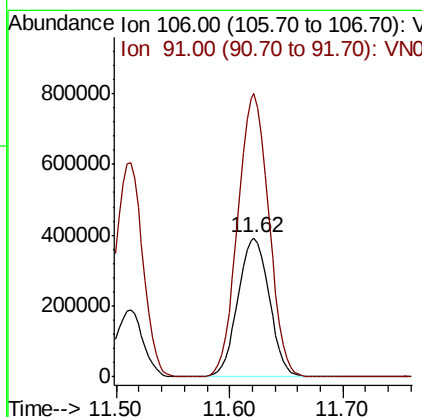
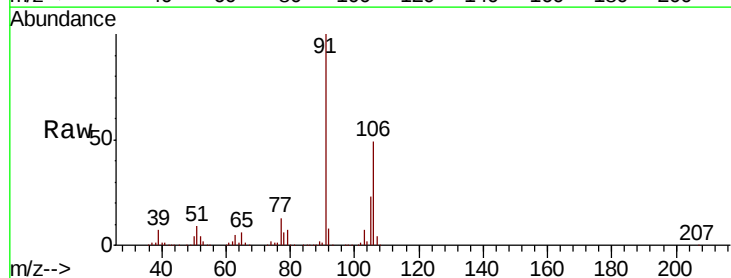
Manual Integrations
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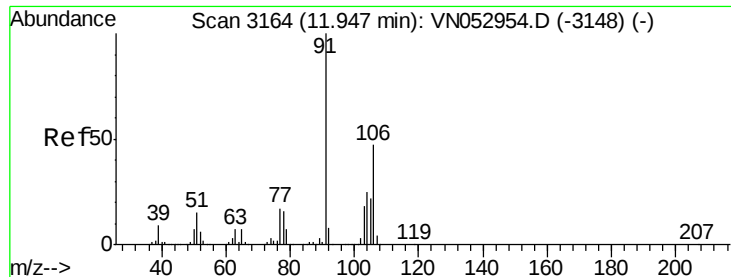
MMDadoda
12/21/2018 11:31:30 AM



#68
m/p-Xylenes
Concen: 39.585 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 106 Resp: 757478
Ion Ratio Lower Upper
106 100
91 201.6 162.2 243.4





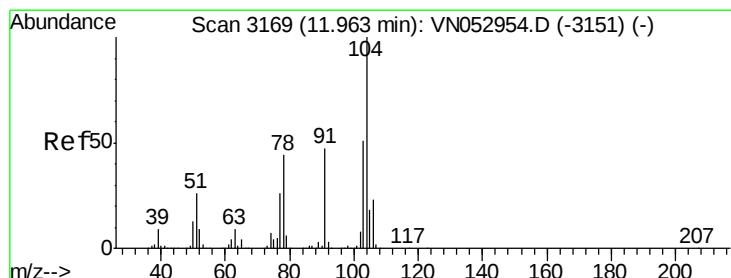
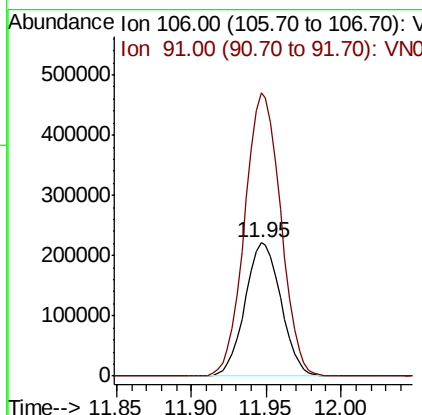
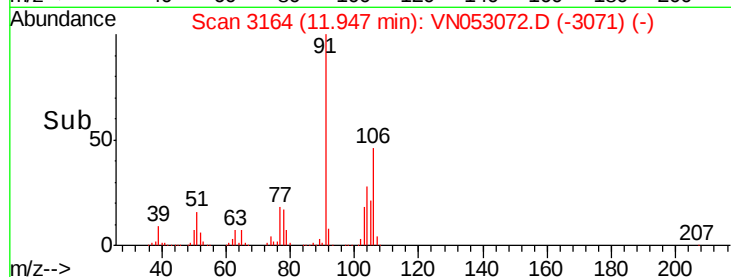
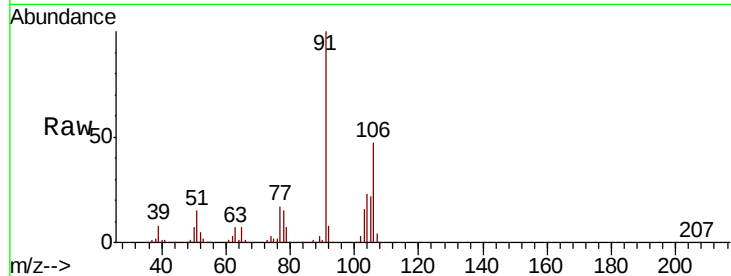
#69
o-Xylene
Concen: 20.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	370430		
91	91	213.0	106.6	319.8	

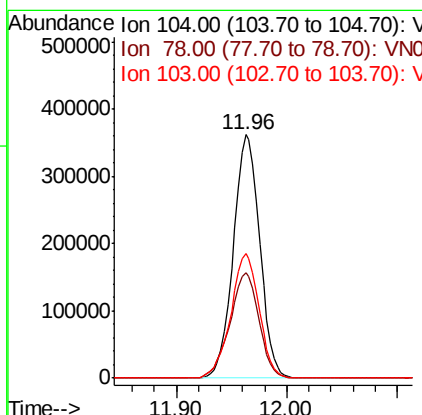
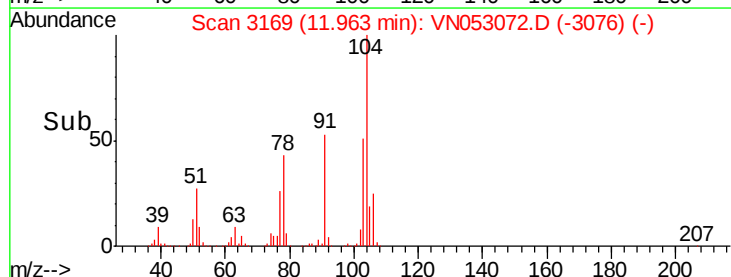
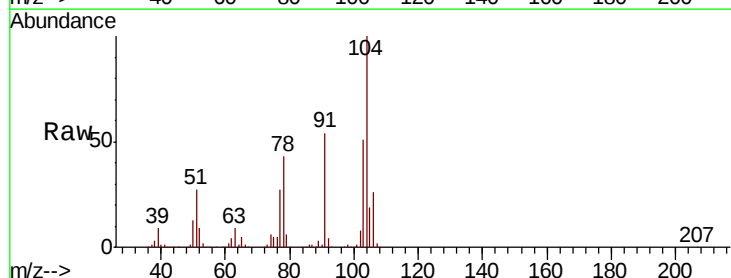
Manual Integrations
APPROVED

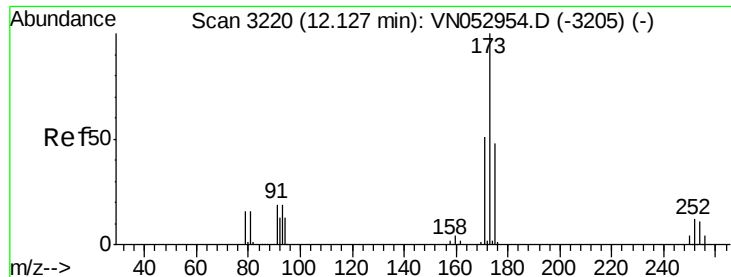
MMDadoda
12/21/2018 11:31:30 AM



#70
Styrene
Concen: 20.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	599654		
78	78	47.6	38.9	58.3	
103	103	54.9	44.3	66.5	





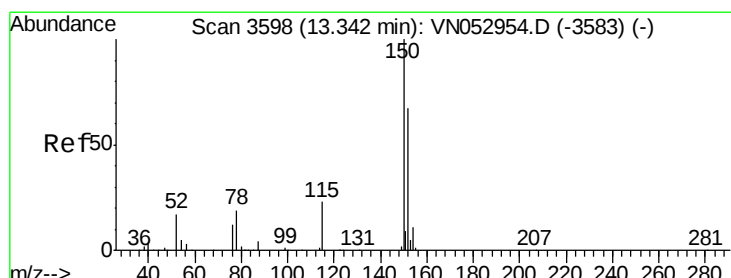
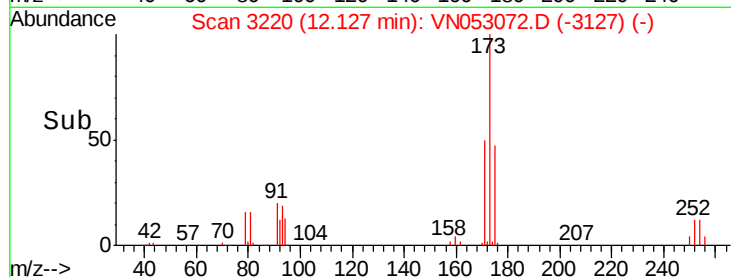
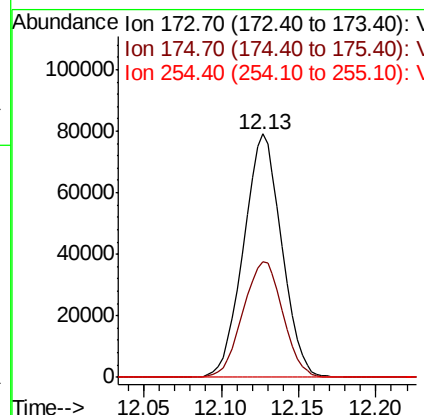
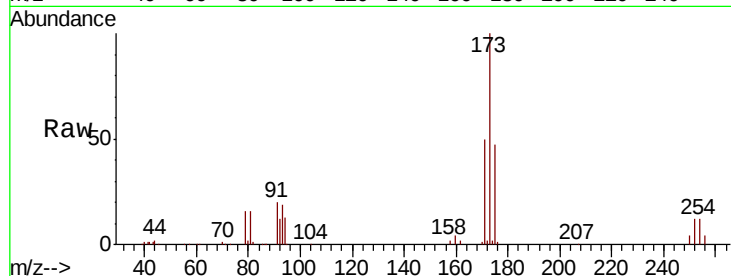
#71
Bromoform
Concen: 18.435 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.9
254	0.0	0.1	0.1#

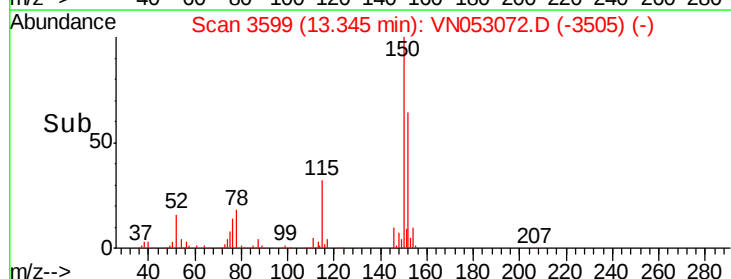
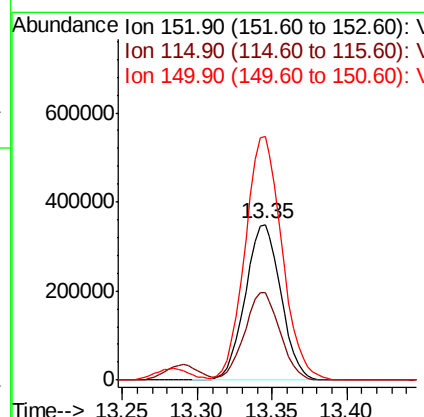
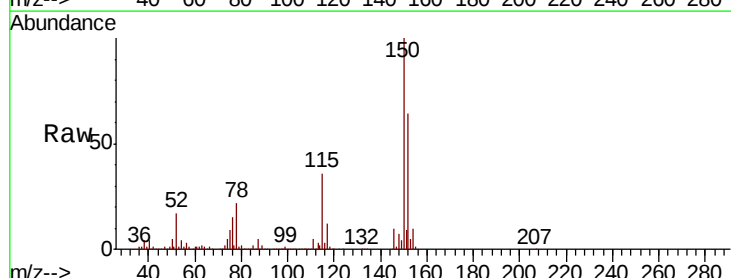
Manual Integrations
APPROVED

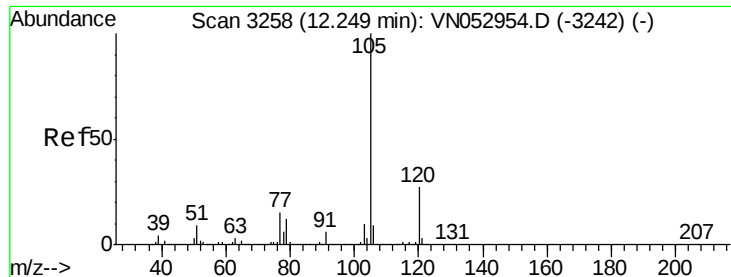
MMDadoda
12/21/2018 11:31:30 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.3	85.0
150	162.9	0.0	347.8





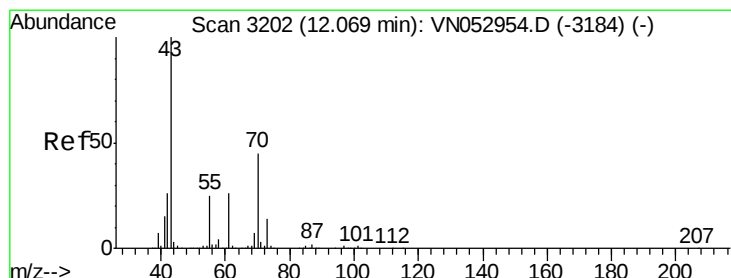
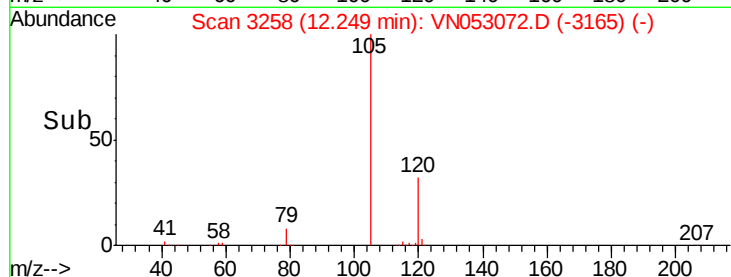
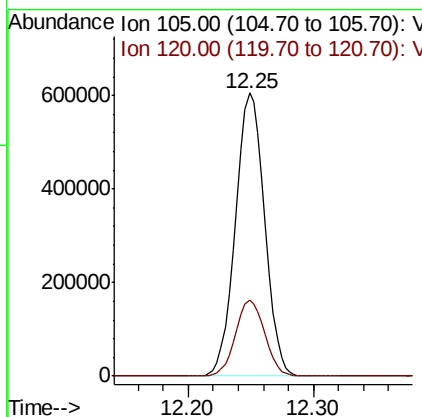
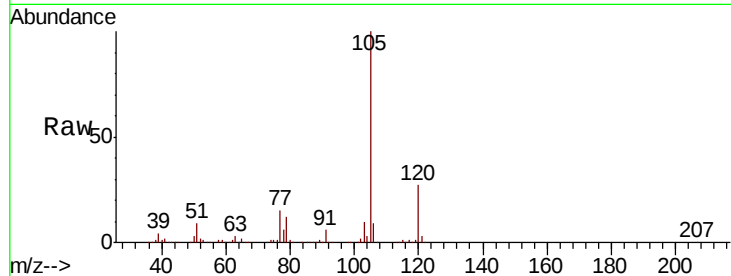
#73
Isopropylbenzene
Concen: 21.649 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

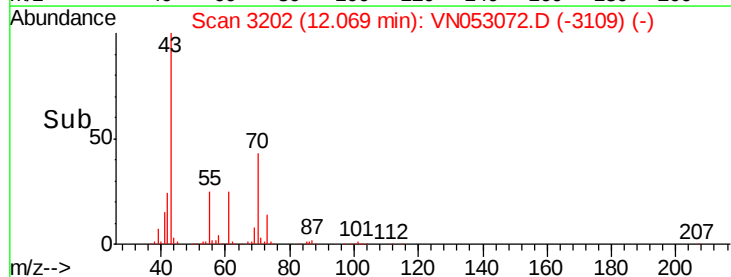
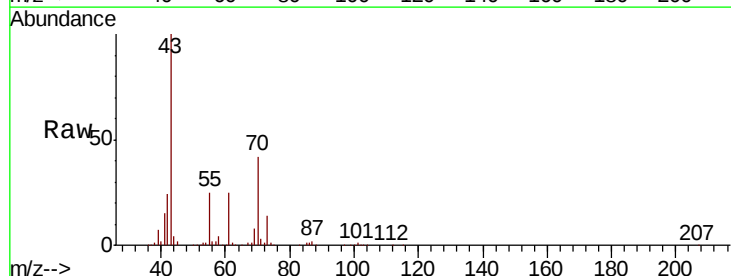
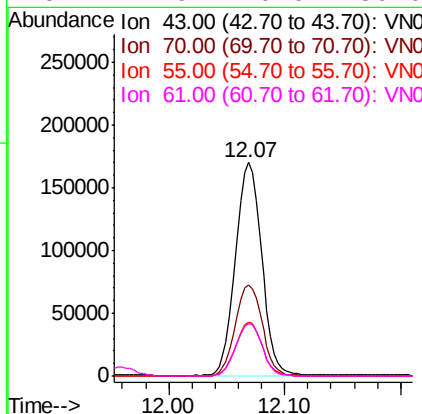
Manual Integrations
APPROVED

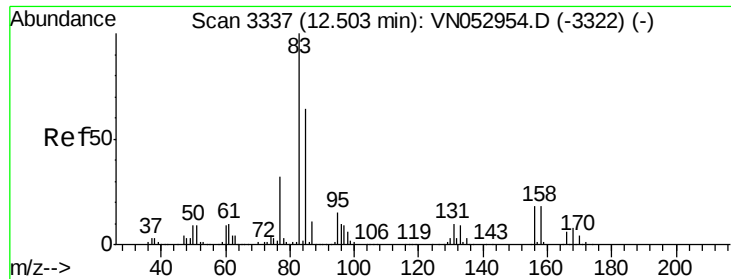
MMDadoda
12/21/2018 11:31:30 AM



#74
N-ethyl acetate
Concen: 21.177 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.2	51.4
55	25.5	20.3	30.5
61	24.9	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.300 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

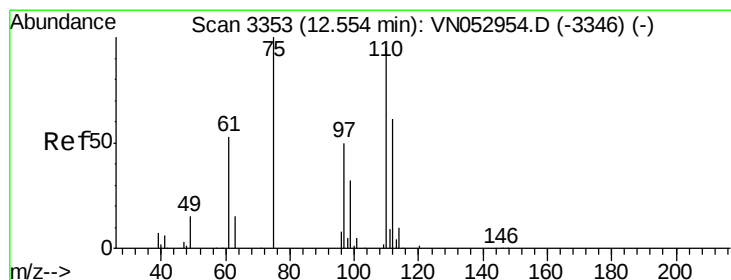
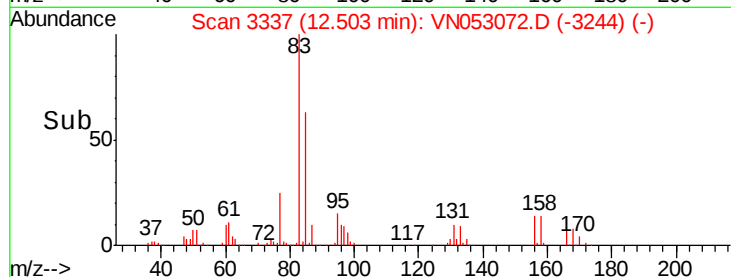
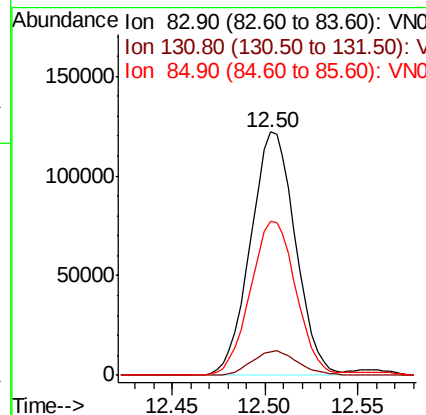
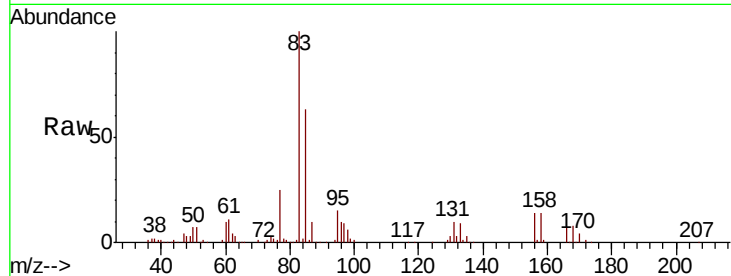
ClientSampleId :

VN1220WBS02

Tot Ion:	83	Resp:	206221
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.667 ug/l m

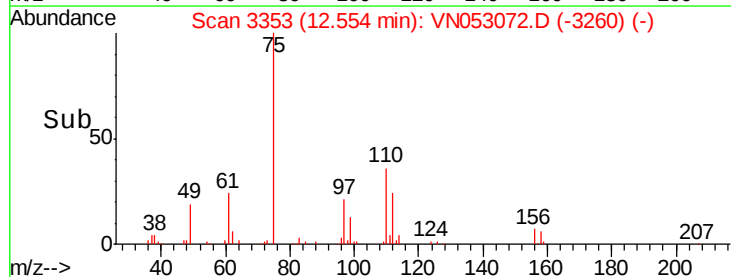
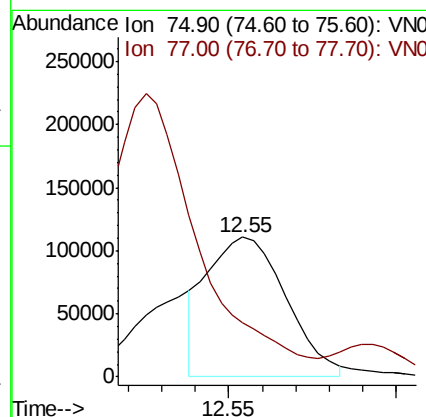
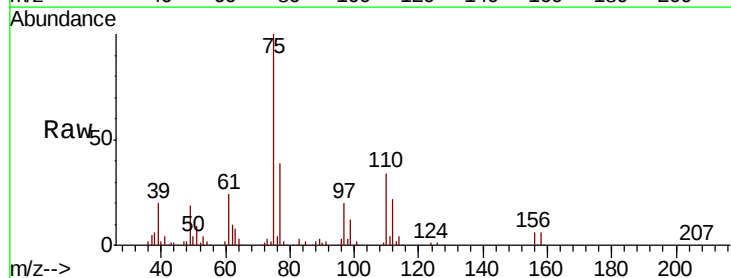
RT: 12.55 min Scan# 3353

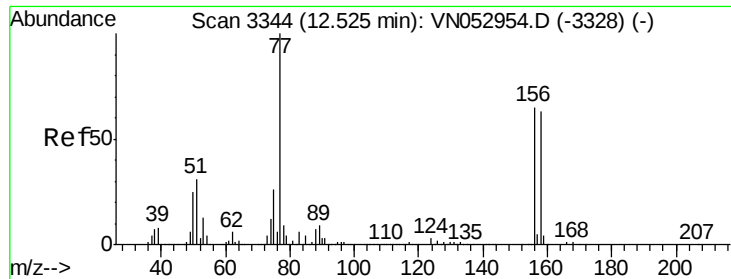
Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	75	Resp:	181192
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.842 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

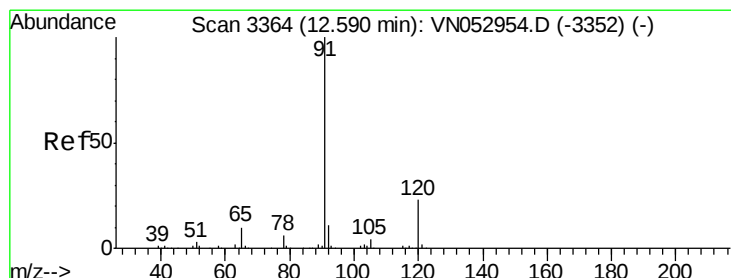
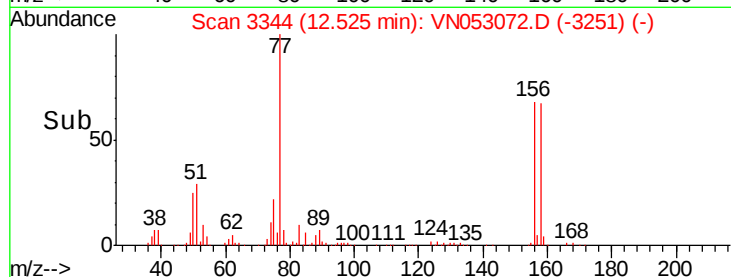
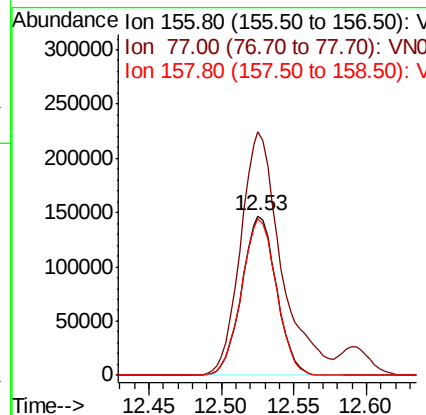
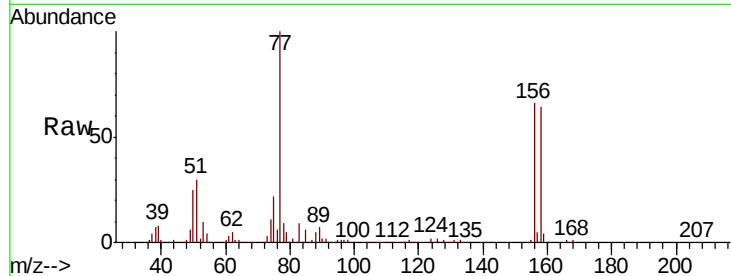
ClientSampleId :

VN1220WBS02

Tot Ion:	156	Resp:	244421
Ion Ratio	Lower	Upper	
156	100		
77	179.0	91.3	273.8
158	99.0	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.869 ug/l

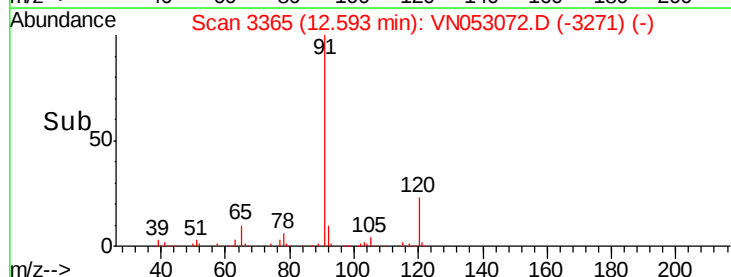
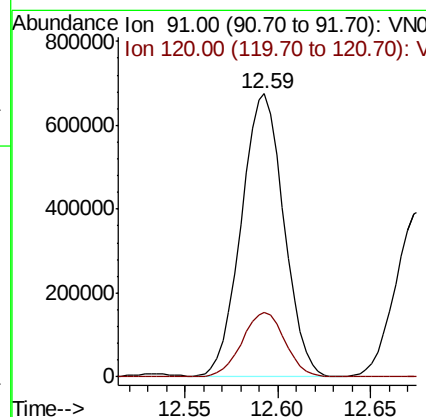
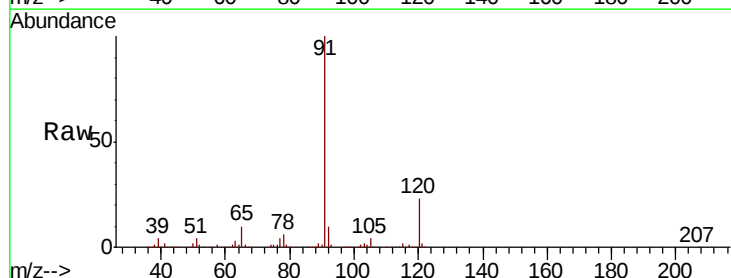
RT: 12.59 min Scan# 3365

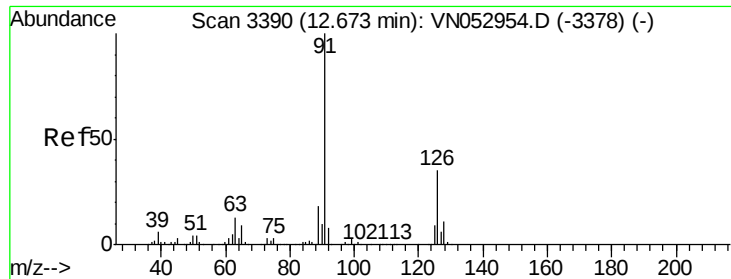
Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	91	Resp:	1072276
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.232 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

Tot Ion: 91 Resp: 644356

Ion Ratio Lower Upper

91 100

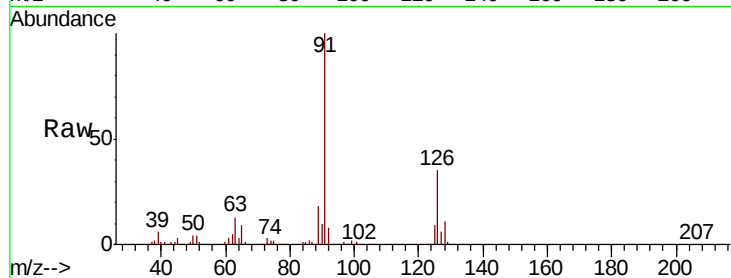
126 35.2 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

600000

400000

200000

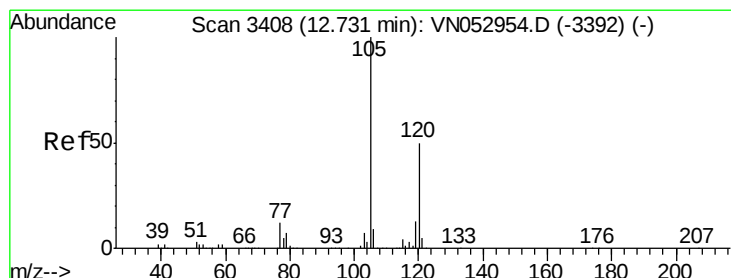
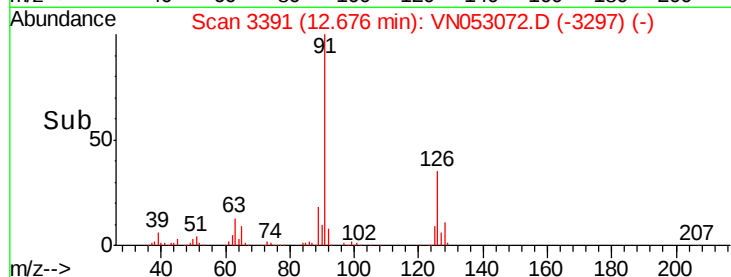
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.691 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053072.D

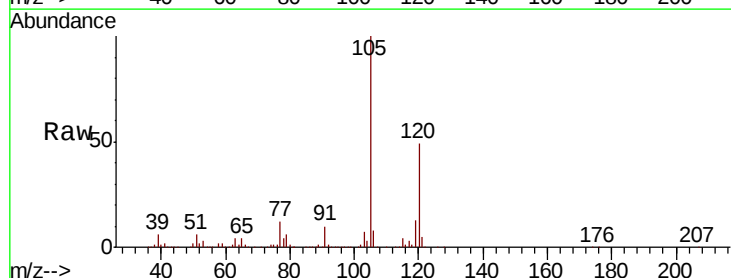
Acq: 20 Dec 2018 23:02

Tgt Ion: 105 Resp: 760855

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

500000

400000

300000

200000

100000

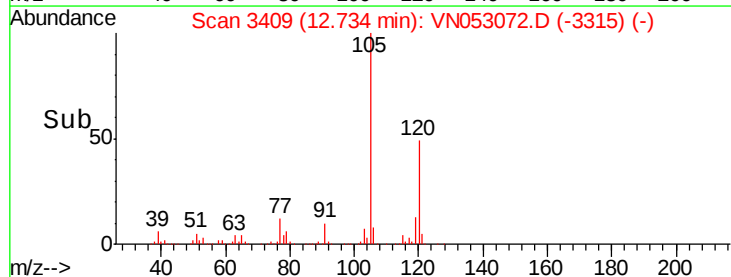
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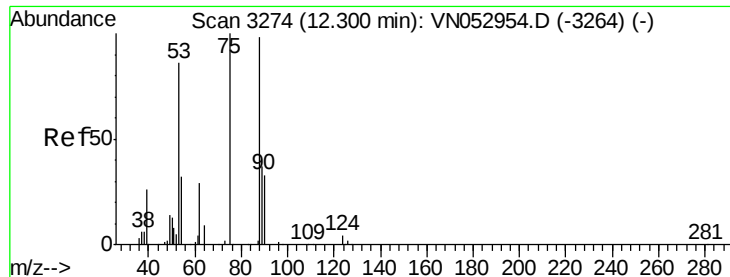
12.73

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.483 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

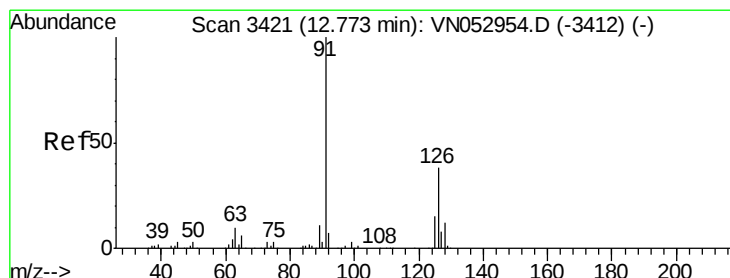
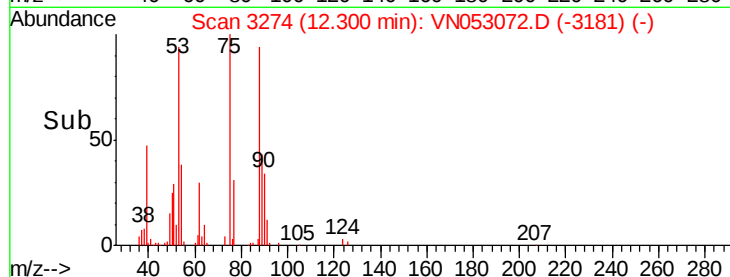
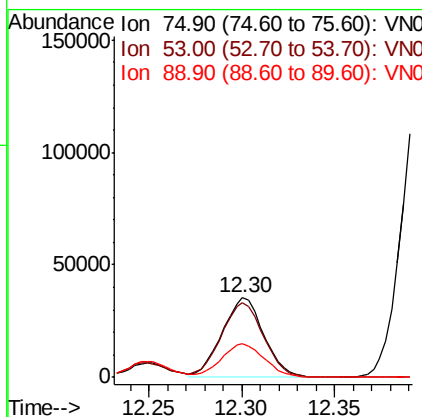
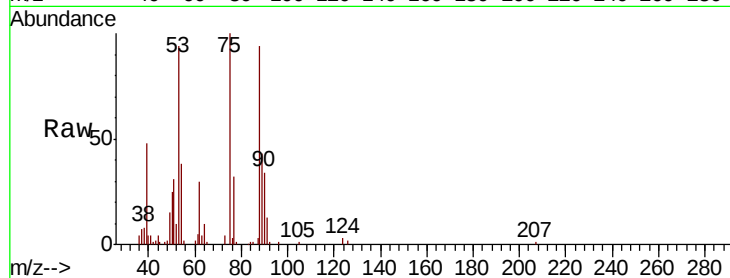
ClientSampleId :

VN1220WBS02

Tot Ion:	75	Resp:	55664
Ion	Ratio	Lower	Upper
75	100		
53	93.7	74.7	112.1
89	43.3	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.526 ug/l

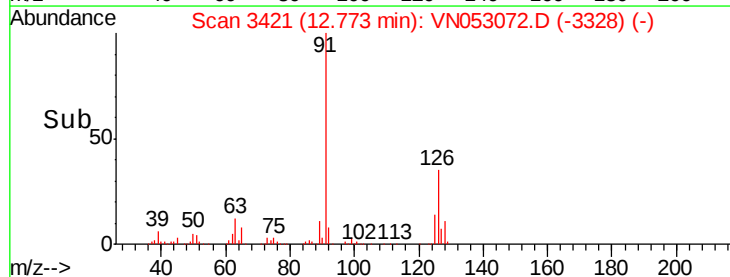
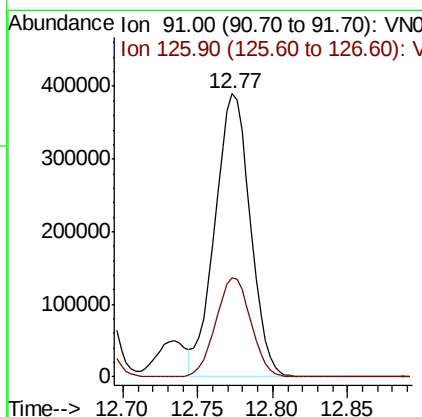
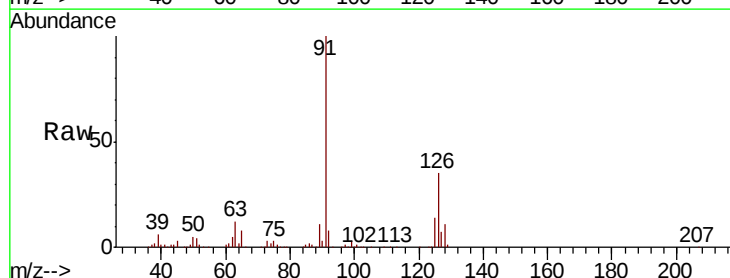
RT: 12.77 min Scan# 3421

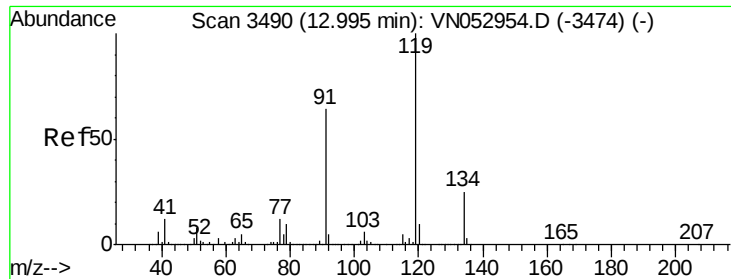
Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	91	Resp:	639944
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





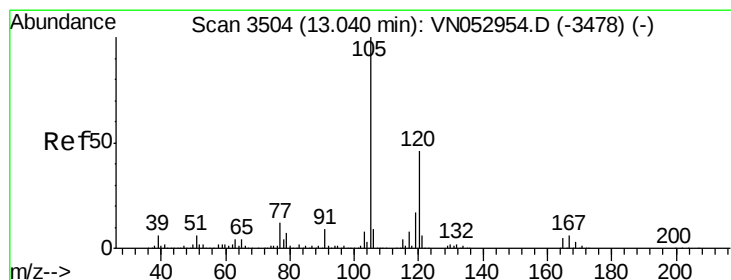
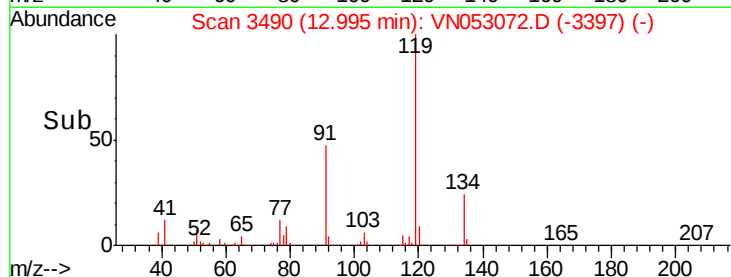
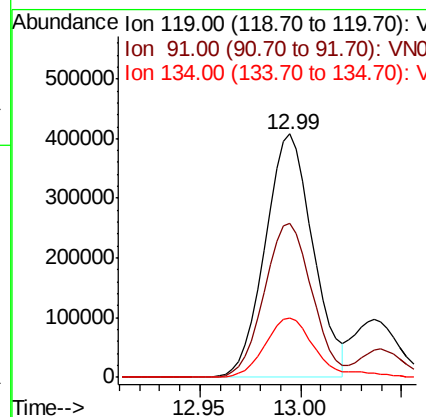
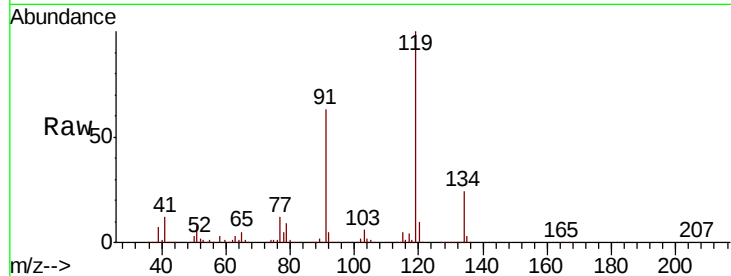
#83
tert-Butylbenzene
Concen: 20.687 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.9	95.5
134	25.9	12.8	38.4

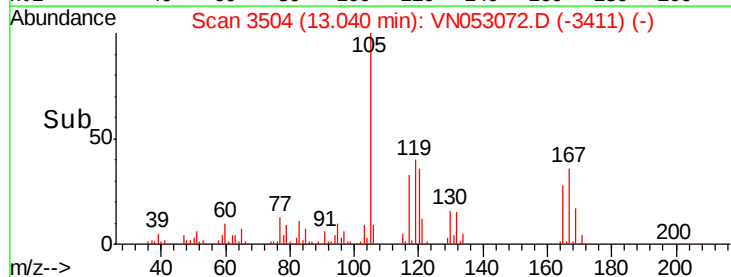
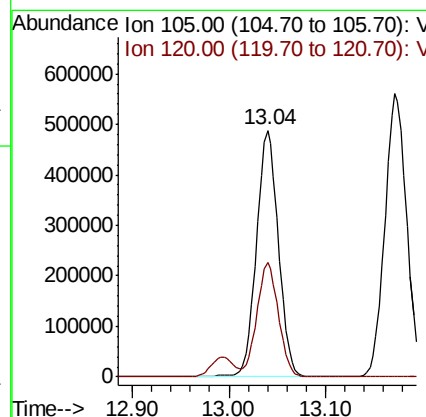
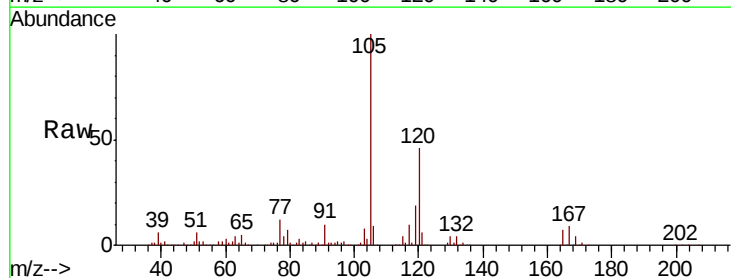
Manual Integrations
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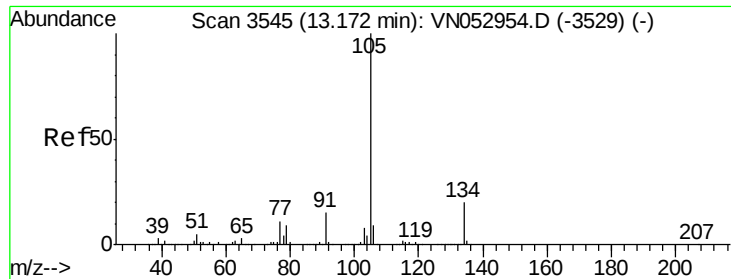
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.703 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





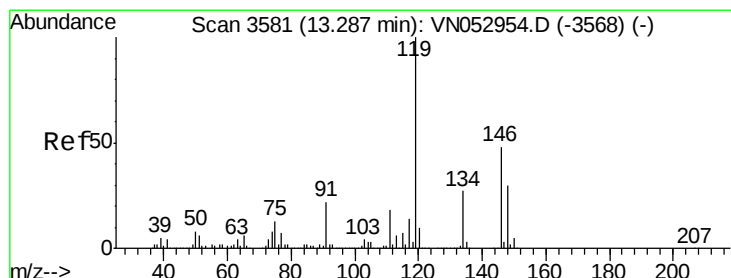
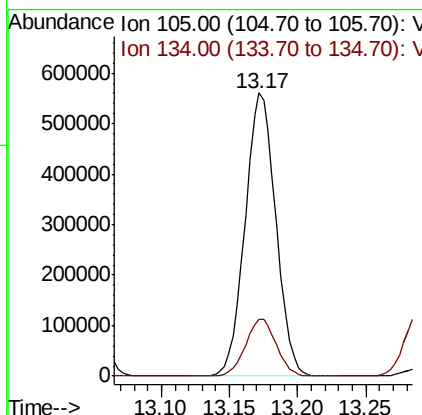
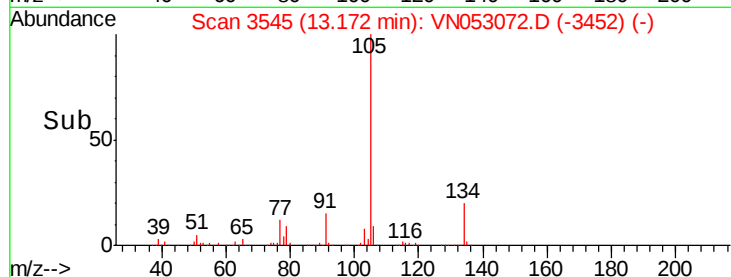
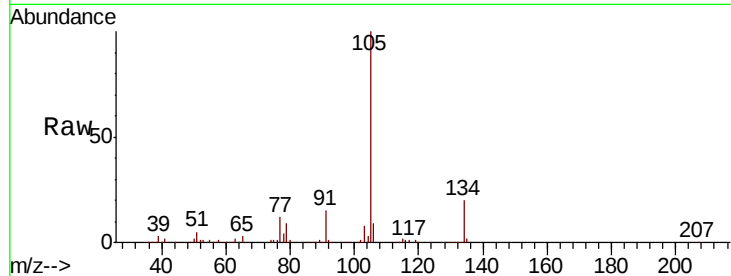
#85
 sec-Butylbenzene
 Concen: 19.871 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3

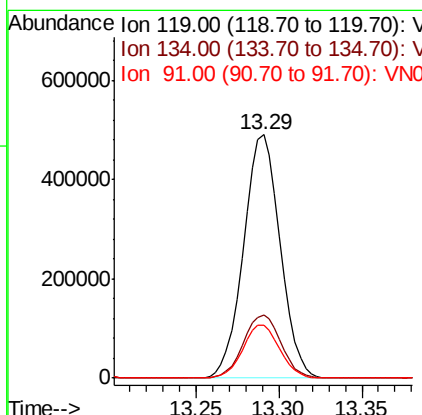
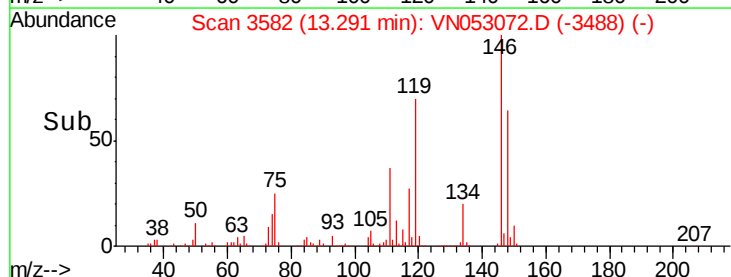
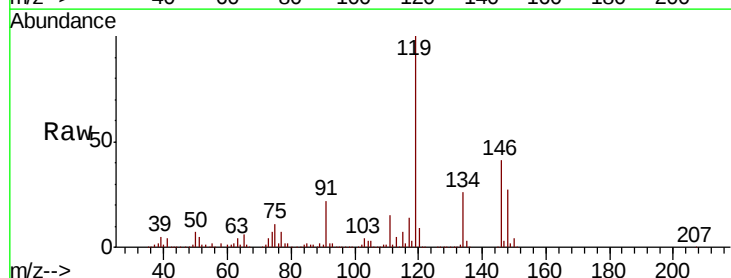
Manual Integrations
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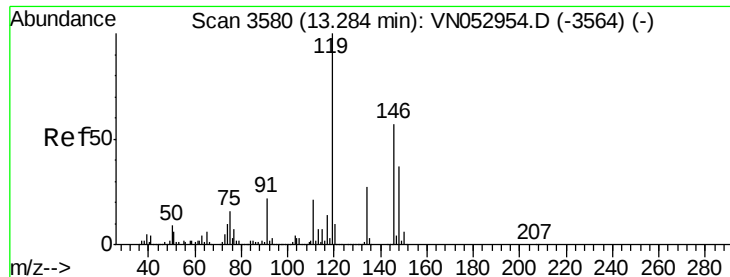
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 12/21/2018 11:31:30 AM



#86
 p-Isopropyltoluene
 Concen: 19.790 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	21.9	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 19.994 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

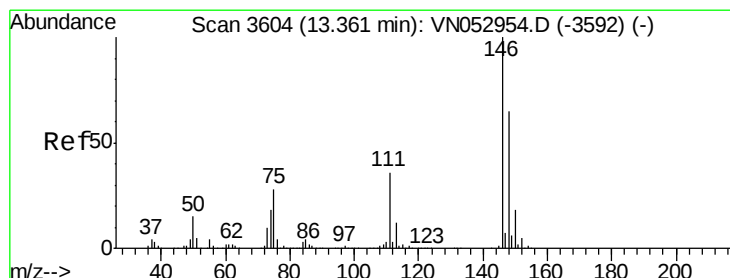
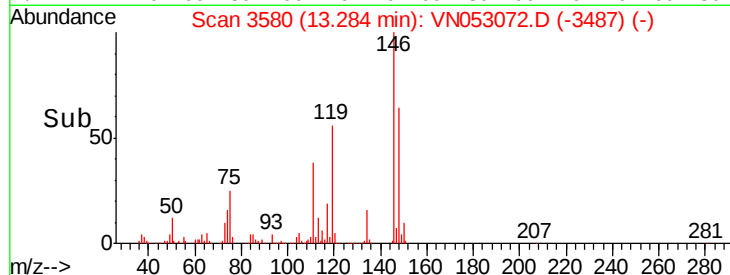
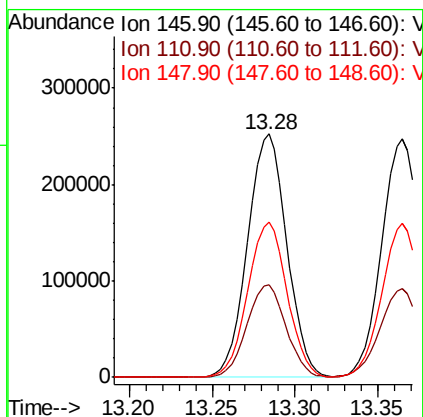
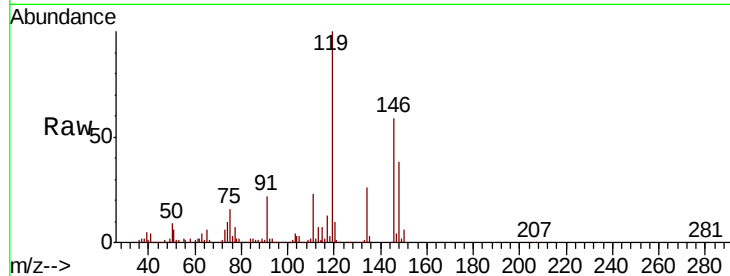
ClientSampleId :

VN1220WBS02

Tot Ion:	146	Resp:	415000
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.1	57.1
148	63.9	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.371 ug/l

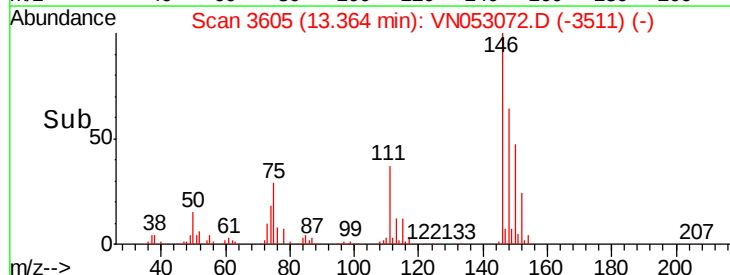
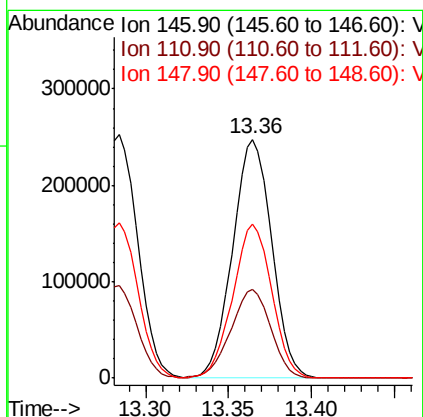
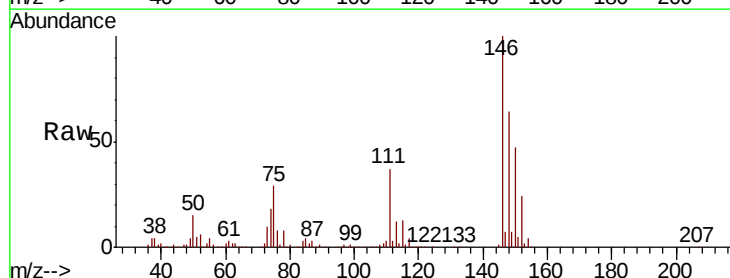
RT: 13.36 min Scan# 3605

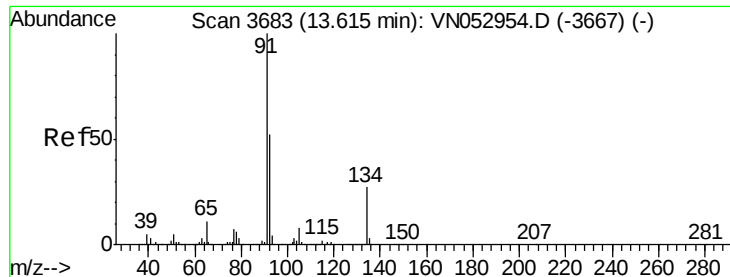
Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion:	146	Resp:	407156
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.8
148	64.1	32.1	96.5





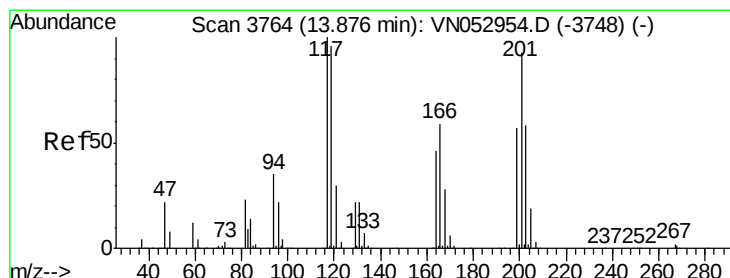
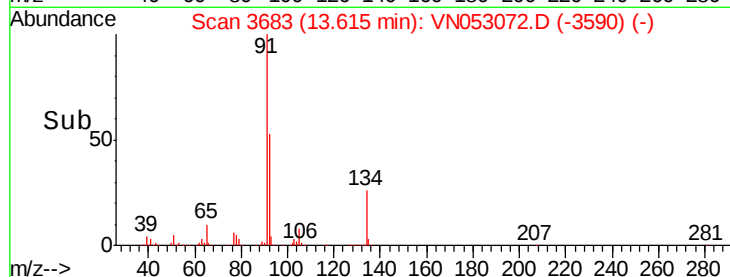
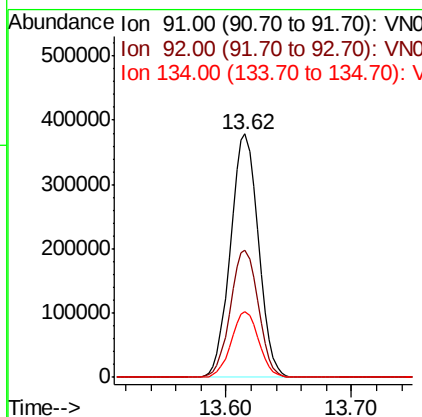
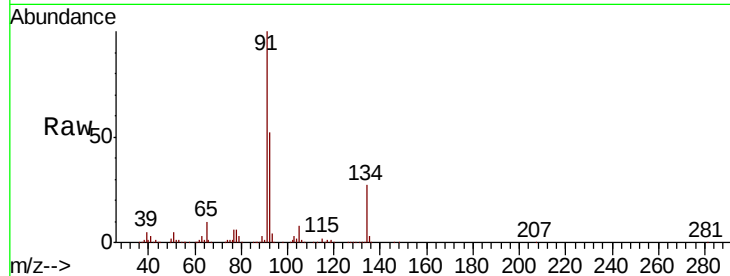
#89
n-Butylbenzene
Concen: 17.875 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	26.6	13.3	39.8

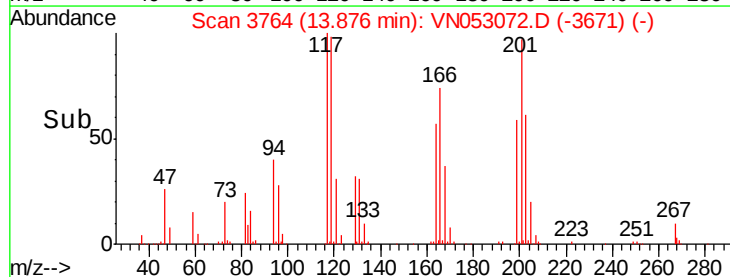
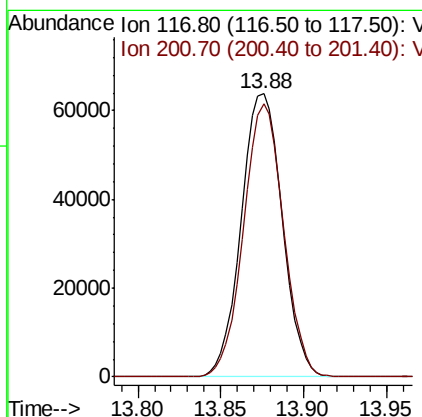
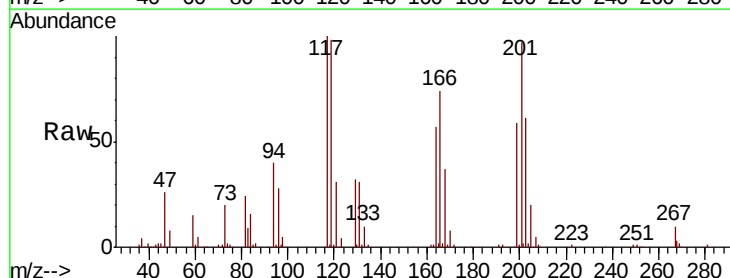
Manual Integrations
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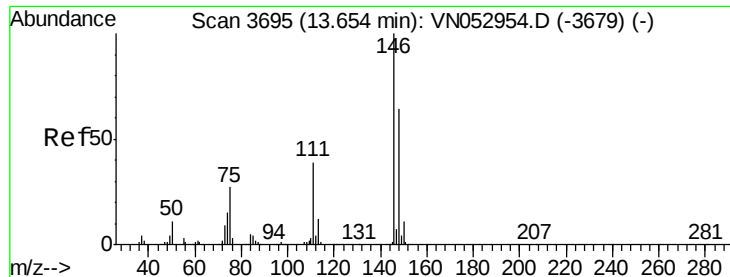
MMDadoda
12/21/2018 11:31:30 AM



#90
Hexachloroethane
Concen: 18.894 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	45.7	137.1





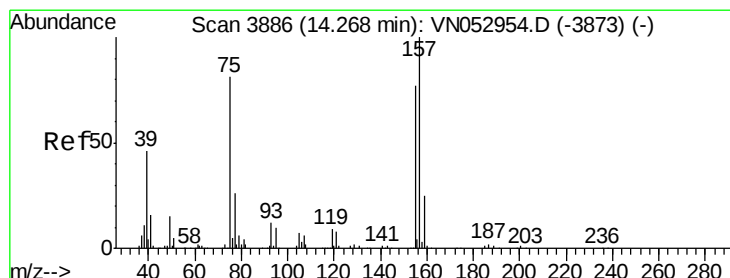
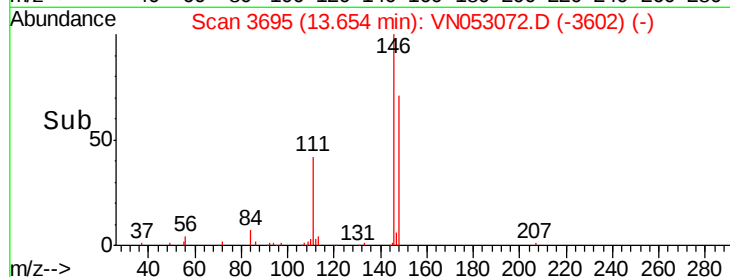
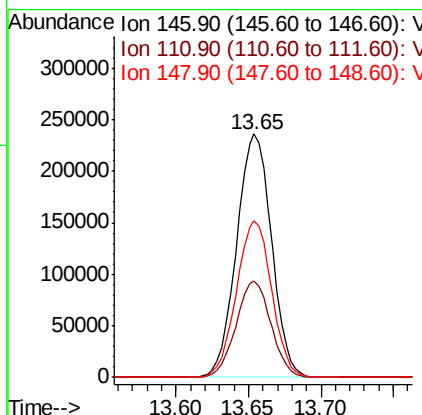
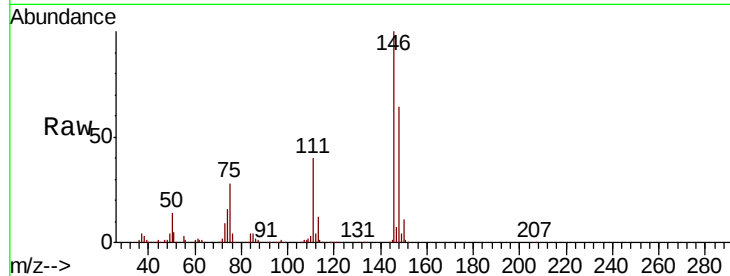
#91
 1,2-Dichlorobenzene
 Concen: 20.223 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.8	32.0	96.0

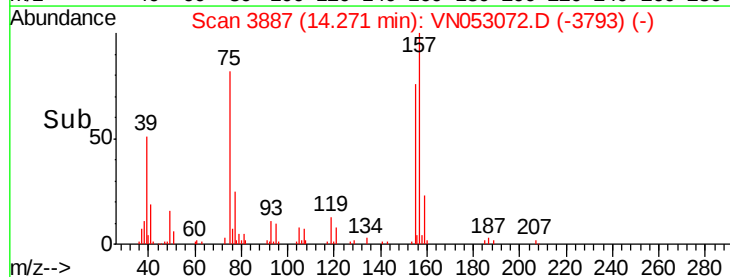
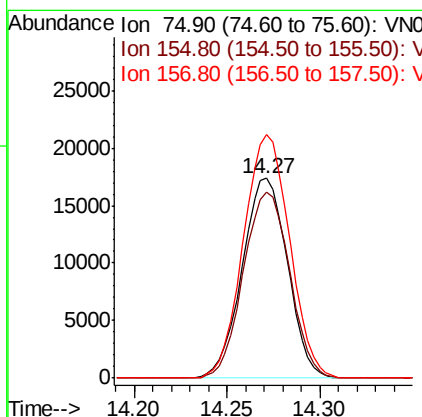
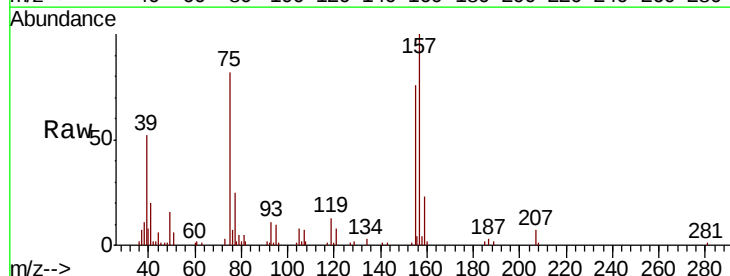
Manual Integrations
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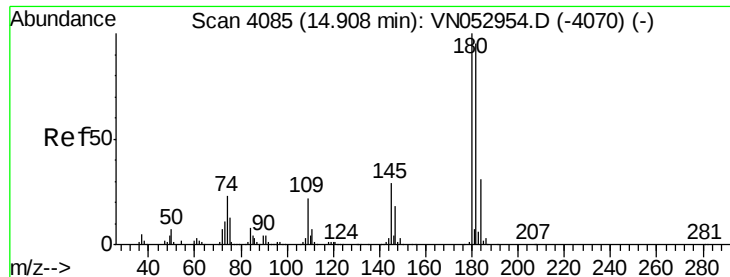
MMDadoda
 12/21/2018 11:31:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.280 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	48.2	144.6
157	124.2	61.2	183.5





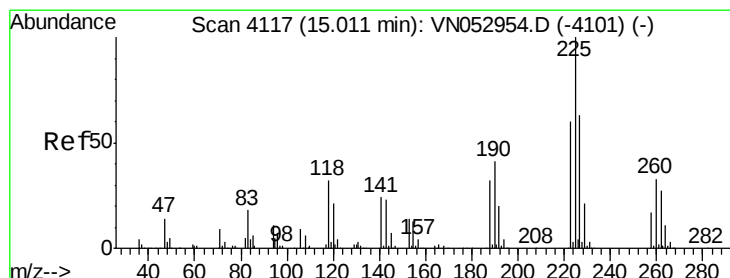
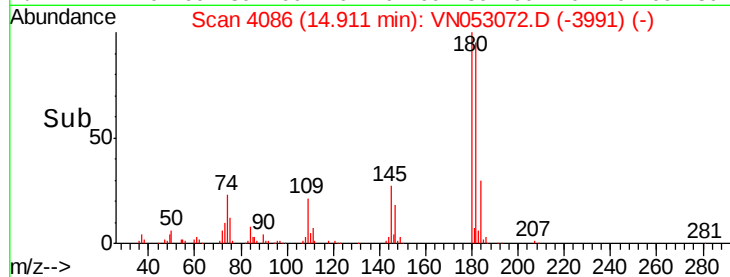
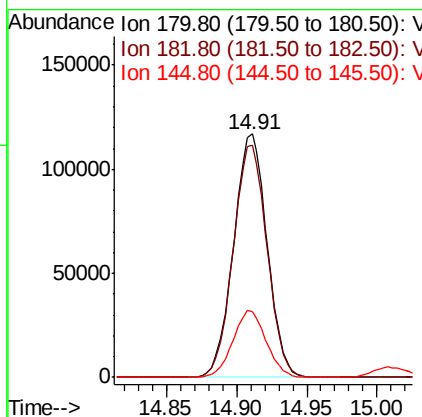
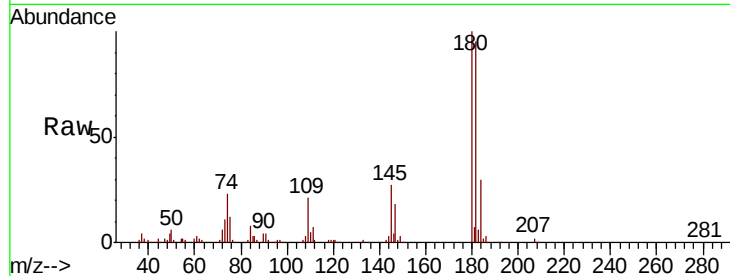
#93
 1,2,4-Trichlorobenzene
 Concen: 19.171 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194554		
182	96.4	47.8	143.3	
145	27.2	14.2	42.6	

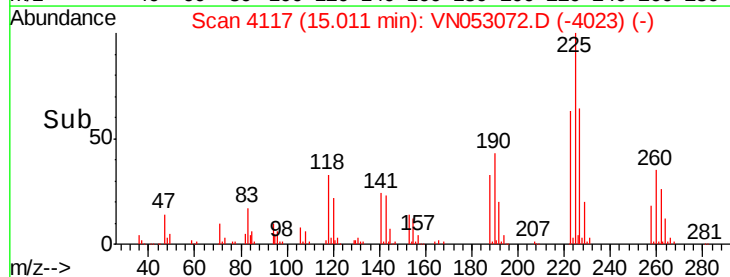
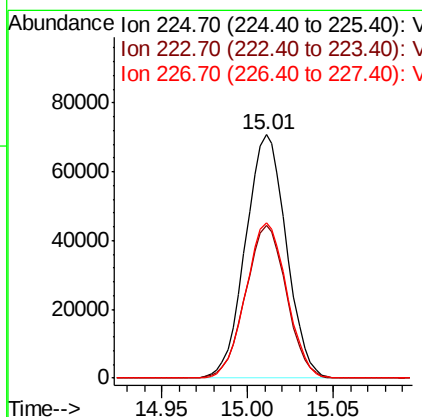
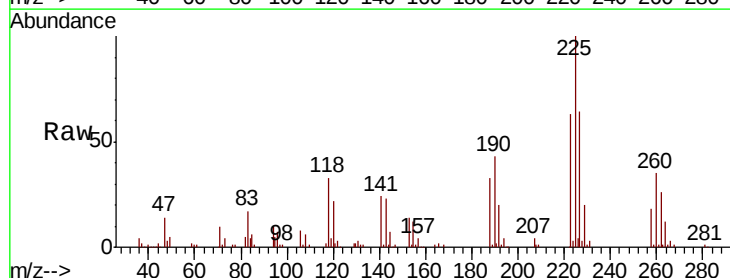
Manual Integrations
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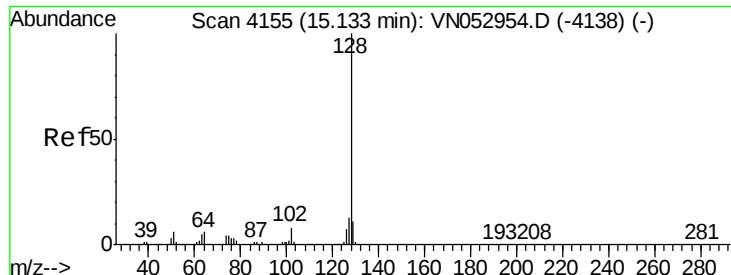
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 12/21/2018 11:31:30 AM



#94
 Hexachlorobutadiene
 Concen: 20.028 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116547		
223	62.7	31.5	94.5	
227	64.3	31.9	95.7	





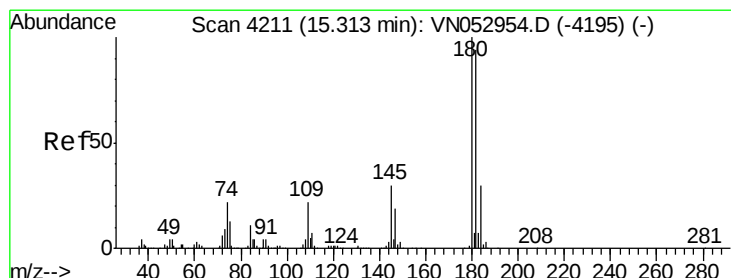
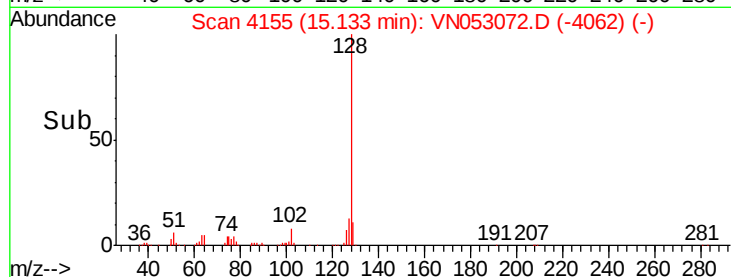
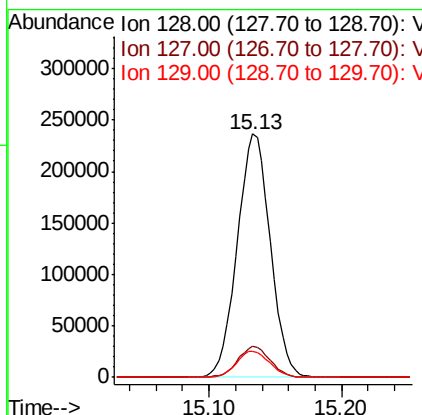
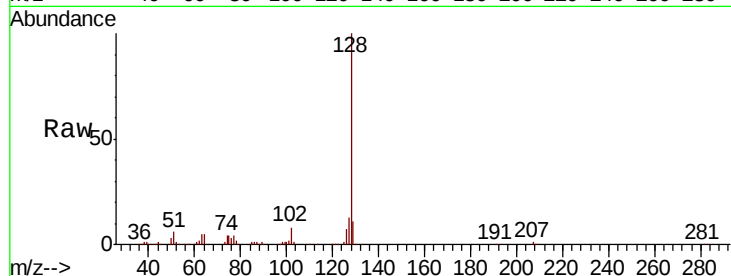
#95
Naphthalene
Concen: 18.724 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
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12/21/2018 11:31:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.609 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	29.9	15.0	45.0

