

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053212.D
 Acq On : 28 Dec 2018 8:55
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:00 AM

Quant Time: Dec 28 09:36:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 09:33:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161924	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	949764	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	834035	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	312907	28.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.53%
60) 4-Bromofluorobenzene	12.40	95	378988	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	10.09	98	1145002	29.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	219500	23.801	ug/l 98
3) Chloromethane	2.06	50	251540	20.567	ug/l 99
4) Vinyl Chloride	2.19	62	250152	20.265	ug/l 96
5) Bromomethane	2.58	94	156674	22.260	ug/l 99
6) Chloroethane	2.71	64	143384	19.532	ug/l 99
7) Trichlorofluoromethane	3.02	101	304392	19.980	ug/l 100
8) Diethyl Ether	3.41	74	111460	19.814	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	191844	19.865	ug/l 97
10) 1,1-Dichloroethene	3.74	96	185614	20.441	ug/l 96
11) Methyl Iodide	3.96	142	270833	21.482	ug/l 97
12) Methyl Acetate	4.33	43	137344	17.802	ug/l 97
13) Acrolein	3.61	56	84030	92.720	ug/l 100
14) Acrylonitrile	4.99	53	326730	99.391	ug/l 98
15) Acetone	3.82	58	70689	83.032	ug/l 96
16) Carbon Disulfide	4.06	76	563463	19.600	ug/l 99
17) Allyl chloride	4.33	41	302873	19.126	ug/l 98
18) Methylene Chloride	4.55	84	212389	20.201	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	196458	20.104	ug/l 94
20) Diisopropyl ether	5.95	45	640249	19.239	ug/l 99
21) 1,1-Dichloroethane	5.85	63	365766	19.284	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	219772	19.624	ug/l 99
23) tert-Butyl Alcohol	4.78	59	52669	107.703	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	487507	20.465	ug/l 98
25) Chloroform	7.37	83	353982	19.345	ug/l 99
26) Cyclohexane	7.66	56	336925	18.834	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	278218	19.182	ug/l 99
30) 2-Butanone	6.83	43	358588	92.396	ug/l 98
31) 2,2-Dichloropropane	6.83	77	270290	20.243	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	293766	19.465	ug/l 98
33) Carbon Tetrachloride	7.78	117	255948	19.383	ug/l 100
34) Benzene	8.04	78	853151	19.565	ug/l 98
35) Methacrylonitrile	7.18	41	93106	19.336	ug/l 93
36) 1,2-Dichloroethane	8.12	62	250496	18.957	ug/l 98
37) Trichloroethene	8.84	130	228923	20.703	ug/l 95
38) Methylcyclohexane	9.08	83	322241	17.948	ug/l 96
39) 1,2-Dichloropropane	9.12	63	221014	18.908	ug/l 96
40) Dibromomethane	9.21	93	124853	19.766	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	264890	18.981	ug/l	98
42) Vinyl Acetate	5.90	43	1941754	92.470	ug/l	98
43) Ethyl Acetate	6.93	43	162870	19.736	ug/l #	68
44) Isopropyl Acetate	8.16	43	286969	19.827	ug/l	96
45) 1,4-Dioxane	9.20	88	35399	447.078	ug/l	92
46) Methyl methacrylate	9.20	41	145696	19.388	ug/l	92
47) n-amyl Acetate	12.07	43	245598	20.466	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	267696	19.783	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	317160	19.238	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	180439	20.152	ug/l	98
51) Ethyl methacrylate	10.43	69	227198	20.203	ug/l	94
52) 1,3-Dichloropropane	10.71	76	307601	19.300	ug/l	100
53) Dibromochloromethane	10.90	129	195547	19.837	ug/l	96
54) 1,2-Dibromoethane	11.01	107	180991	20.686	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	674009	102.392	ug/l	98
56) Bromoform	12.13	173	133451	20.711	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	807815	99.906	ug/l	98
59) 2-Hexanone	10.75	43	557587	100.948	ug/l	97
61) Tetrachloroethene	10.63	164	246672	24.014	ug/l	96
62) Toluene	10.16	91	904084	19.663	ug/l	100
64) Chlorobenzene	11.43	112	561407	20.005	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	197425	20.267	ug/l	99
66) Ethyl Benzene	11.51	91	973195	19.639	ug/l	100
67) m/p-Xylenes	11.62	106	740542	40.113	ug/l	98
68) o-Xylene	11.95	106	359417	20.058	ug/l	99
69) Styrene	11.96	104	582639	20.145	ug/l	99
70) Isopropylbenzene	12.25	105	941779	19.754	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	198770	19.166	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	181540m	20.391	ug/l	
73) Bromobenzene	12.53	156	244155	21.174	ug/l	93
74) n-propylbenzene	12.59	91	1059593	19.075	ug/l	98
75) 2-Chlorotoluene	12.67	91	637784	19.780	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	751938	19.527	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	58111	20.663	ug/l	96
78) 4-Chlorotoluene	12.77	91	641010	19.908	ug/l	100
79) tert-butylbenzene	12.99	119	651648	19.431	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	753751	19.562	ug/l	99
81) sec-Butylbenzene	13.17	105	854320	18.289	ug/l	100
82) p-Isopropyltoluene	13.29	119	745091	18.732	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	409599	20.197	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	399506	20.390	ug/l	99
85) n-Butylbenzene	13.62	91	594940	17.413	ug/l	99
86) Hexachloroethane	13.88	117	115224	17.097	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	393841	20.408	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29034	19.986	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	176862	18.601	ug/l	99
90) Hexachlorobutadiene	15.01	225	119461	19.153	ug/l	100
91) Naphthalene	15.13	128	369100	19.223	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	157660	17.993	ug/l	97

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ClientSampleId :
VSTDICCC020

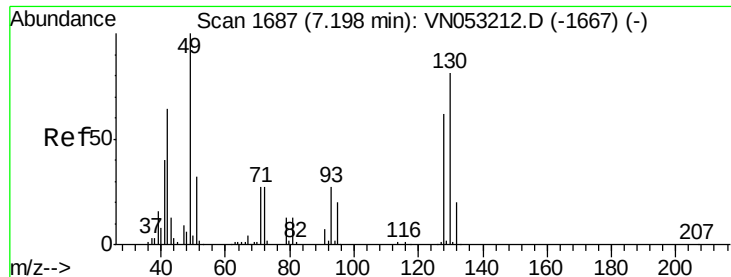
Manual Integrations
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QLast Update : Fri Dec 28 09:33:03 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

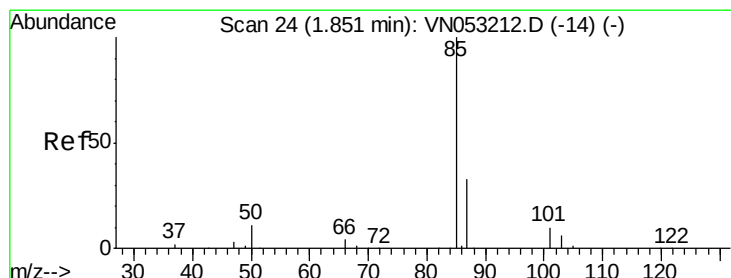
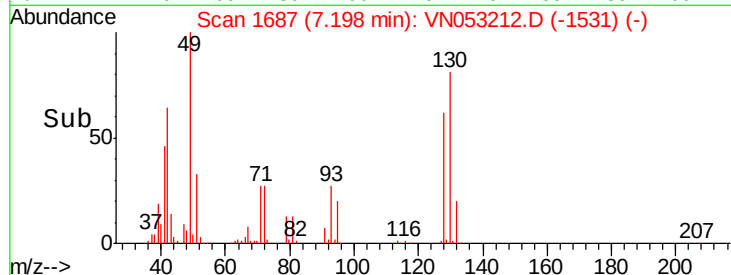
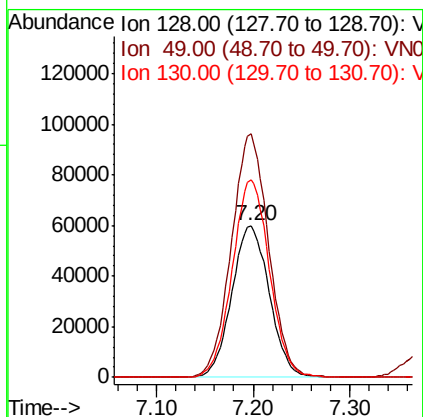
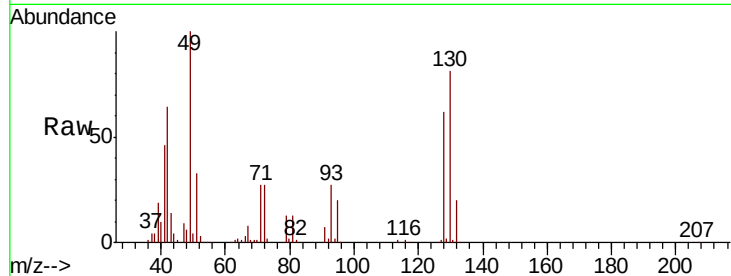
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	161924
Ion	Ratio	Lower	Upper
128	100		
49	158.7	0.0	431.8
130	129.0	0.0	317.0

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#2

Dichlorodifluoromethane

Concen: 23.801 ug/l

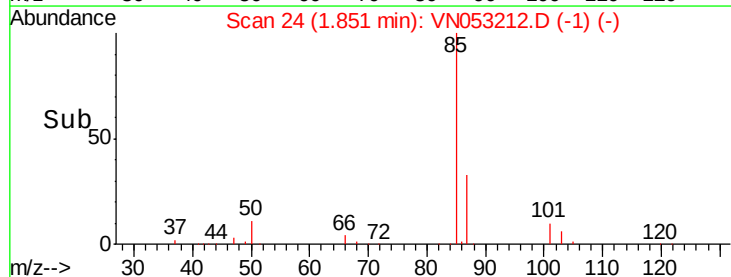
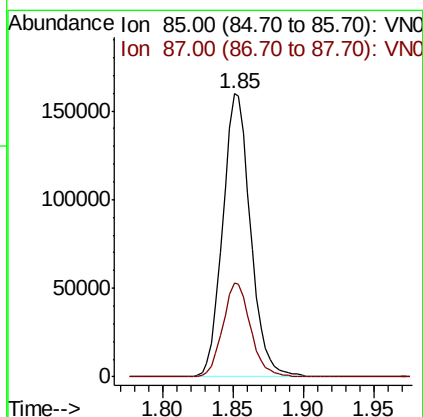
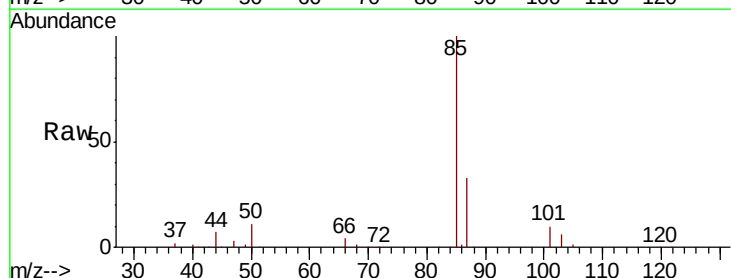
RT: 1.85 min Scan# 24

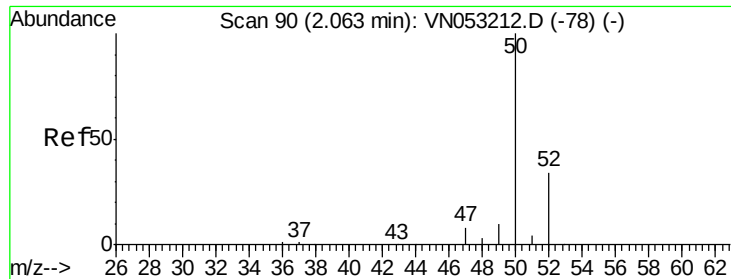
Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Tgt Ion:	85	Resp:	219500
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.1	48.3





#3

Chloromethane

Concen: 20.567 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 251540

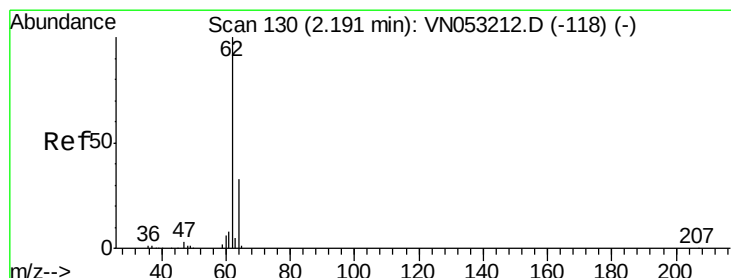
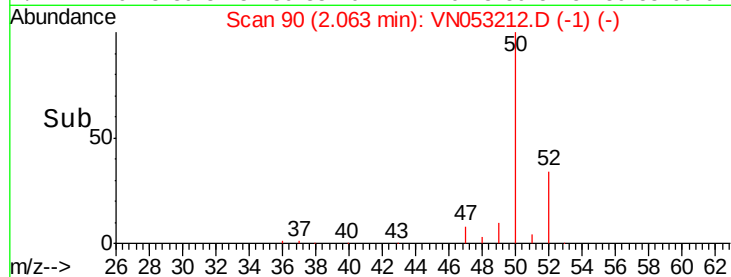
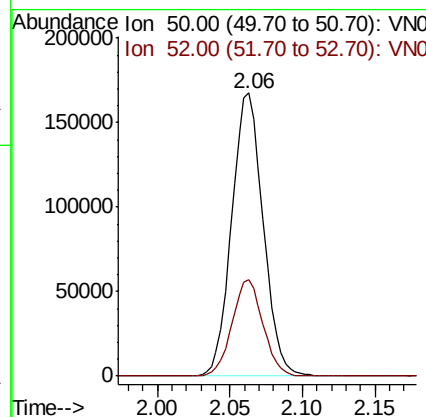
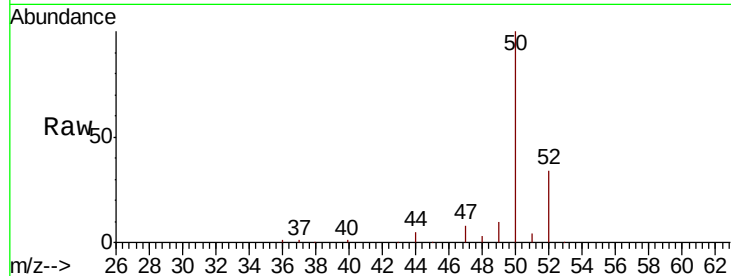
Ion Ratio Lower Upper

50 100

52 33.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 20.265 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053212.D

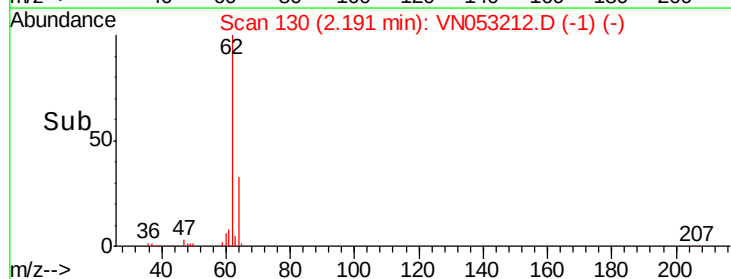
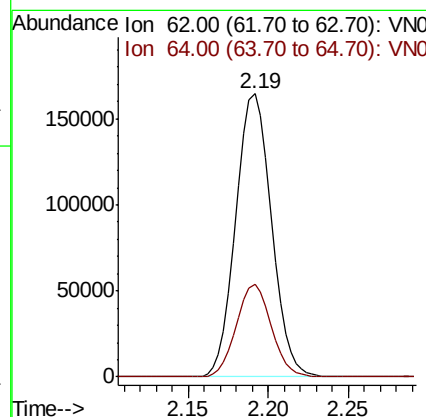
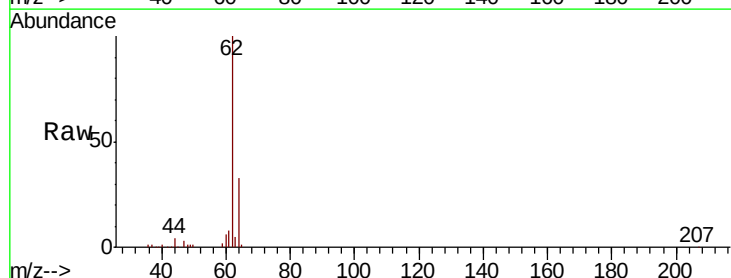
Acq: 28 Dec 2018 8:55

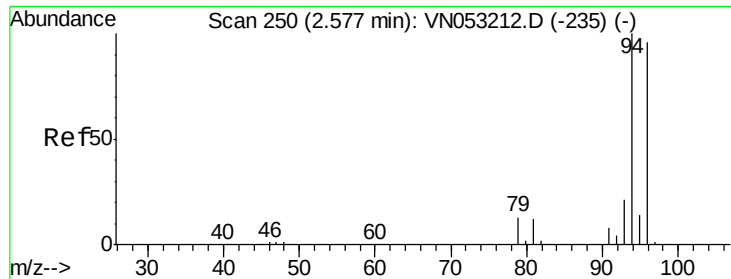
Tgt Ion: 62 Resp: 250152

Ion Ratio Lower Upper

62 100

64 32.6 24.2 36.4





#5

Bromomethane

Concen: 22.260 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 156674

Ion Ratio Lower Upper

94 100

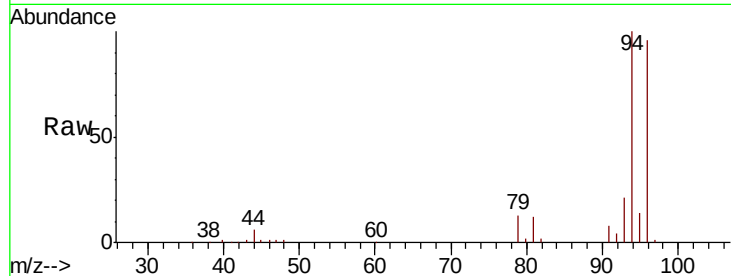
96 96.1 76.2 114.2

Manual Integrations

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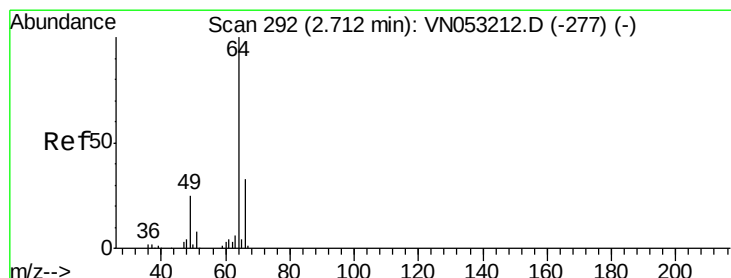
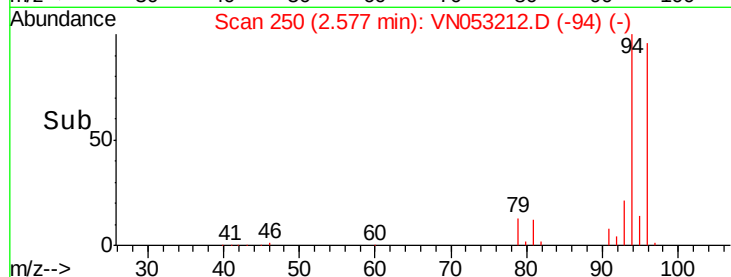
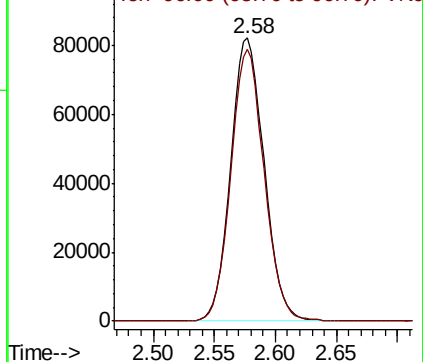
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.532 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053212.D

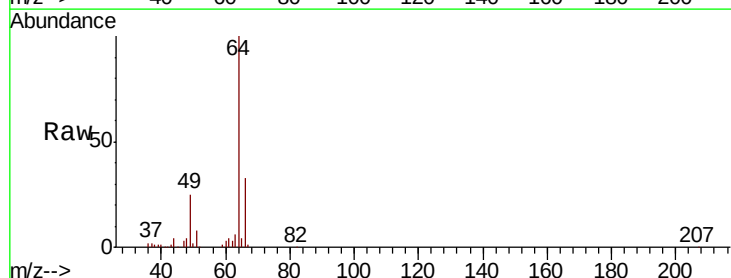
Acq: 28 Dec 2018 8:55

Tgt Ion: 64 Resp: 143384

Ion Ratio Lower Upper

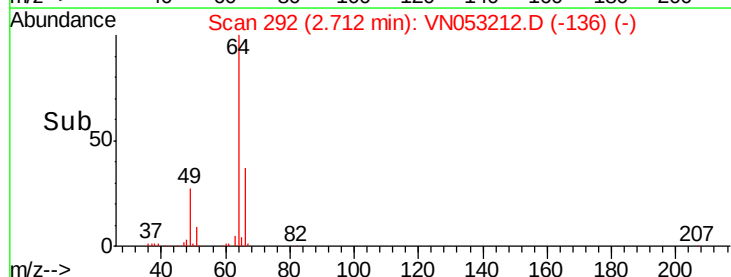
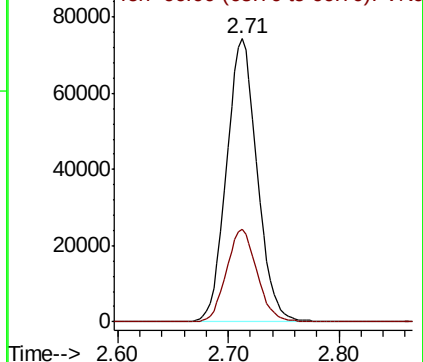
64 100

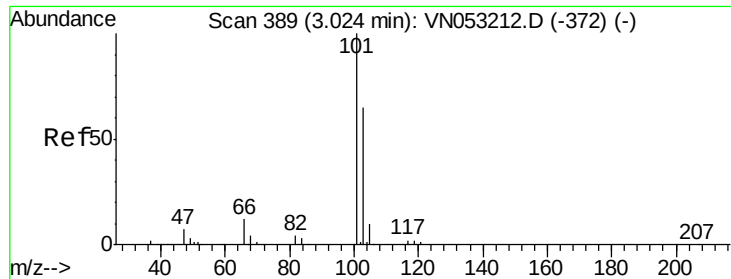
66 32.6 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

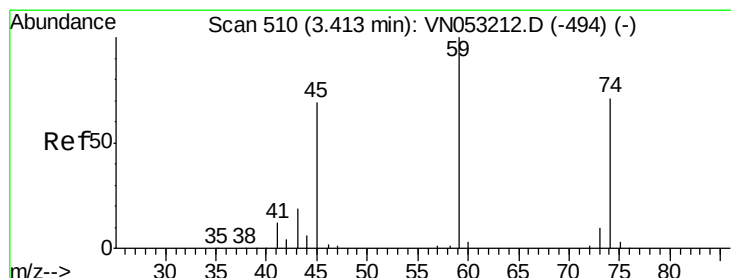
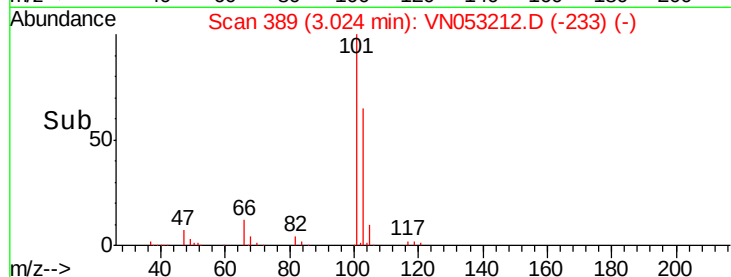
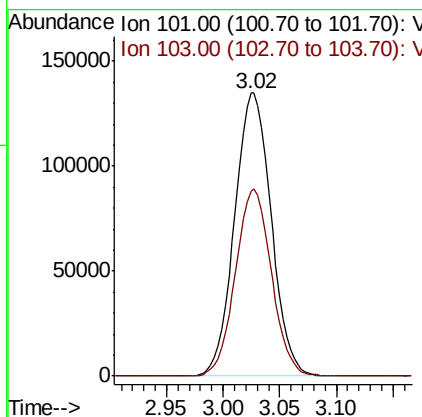
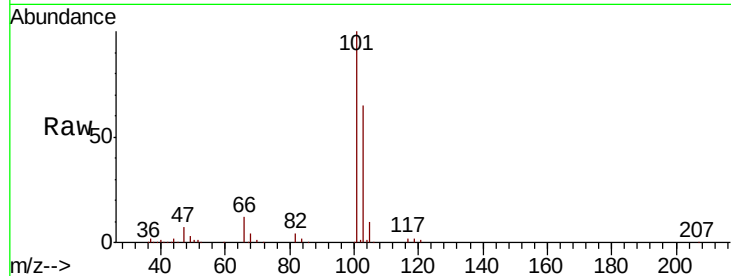
Trichlorofluoromethane
Concen: 19.980 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

Manual Integrations
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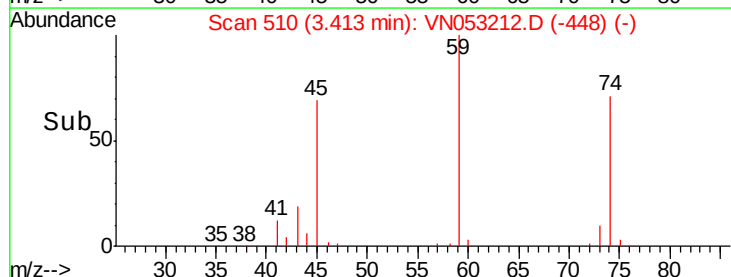
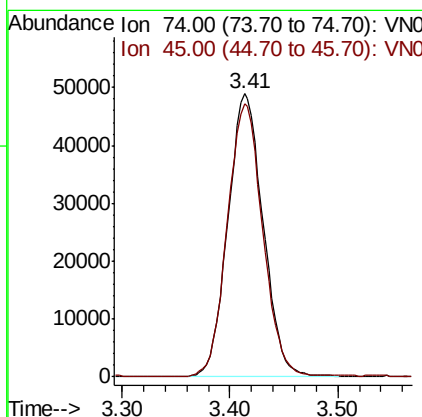
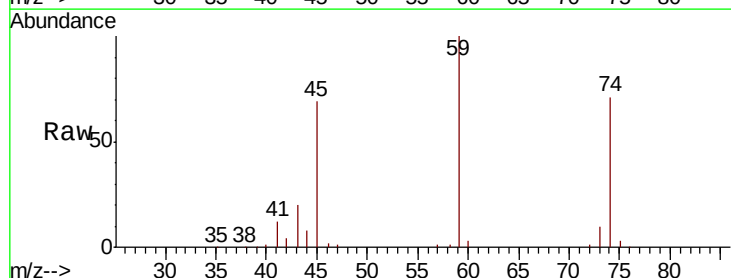
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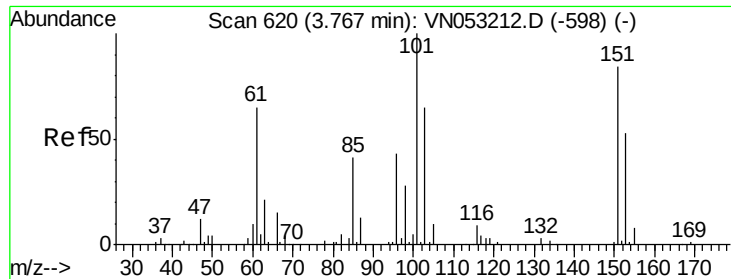


#8

Diethyl Ether
Concen: 19.814 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.865 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

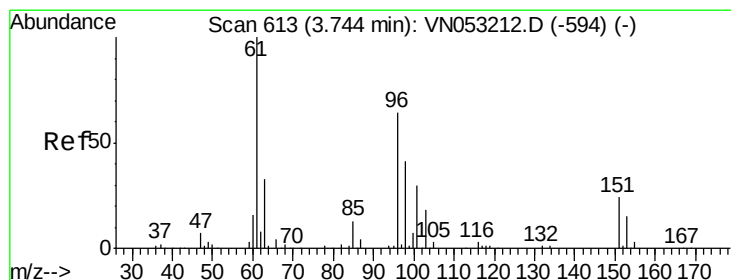
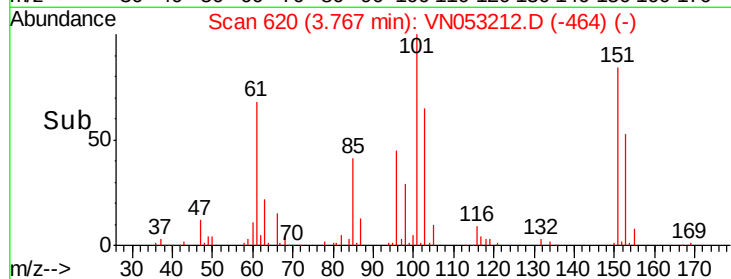
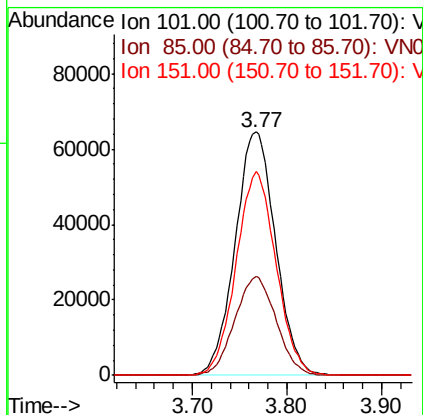
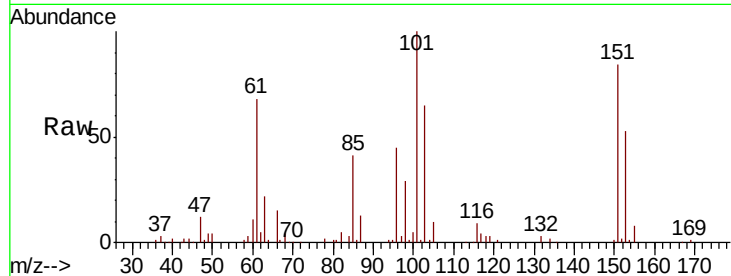
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	191844
Ion Ratio	Lower	Upper	
101	100		
85	41.3	0.0	82.6
151	82.5	0.0	158.4

Manual Integrations
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1/2/2019 9:48:00 AM



#10

1,1-Dichloroethene

Concen: 20.441 ug/l

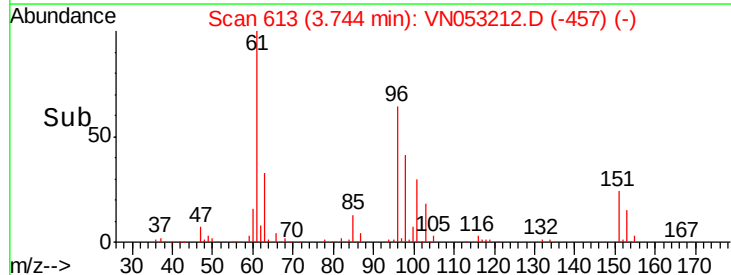
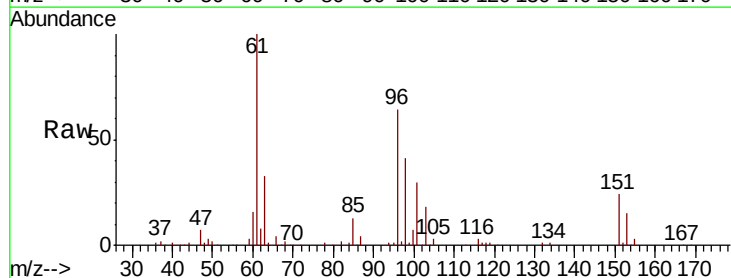
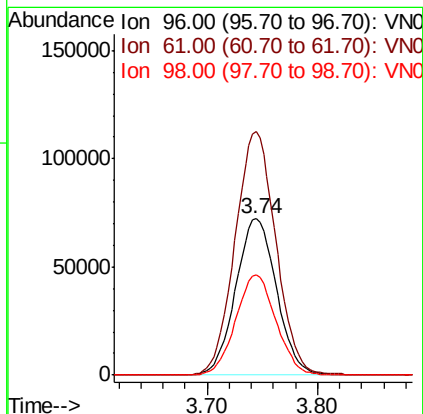
RT: 3.74 min Scan# 613

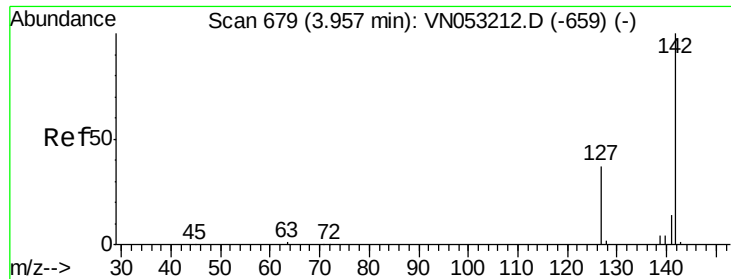
Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Tgt Ion:	96	Resp:	185614
Ion Ratio	Lower	Upper	
96	100		
61	155.5	129.4	194.2
98	63.9	50.4	75.6





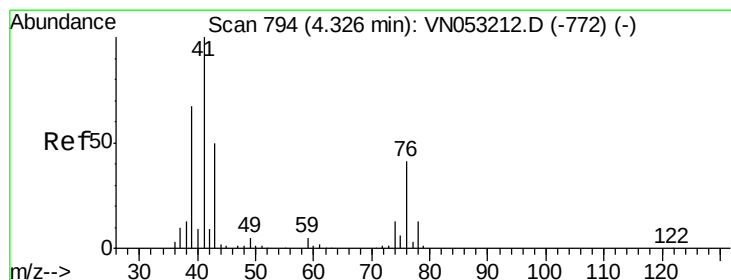
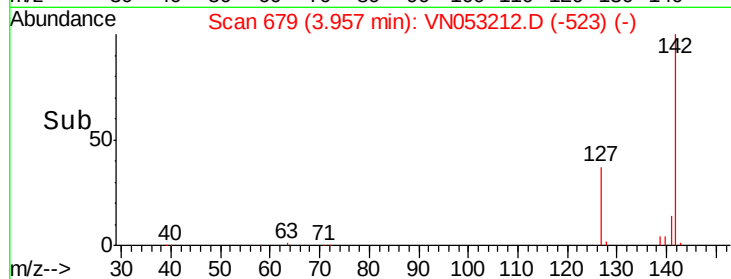
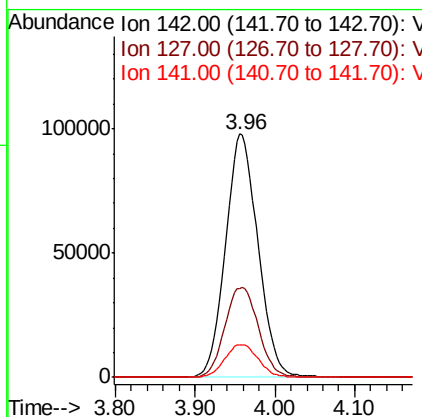
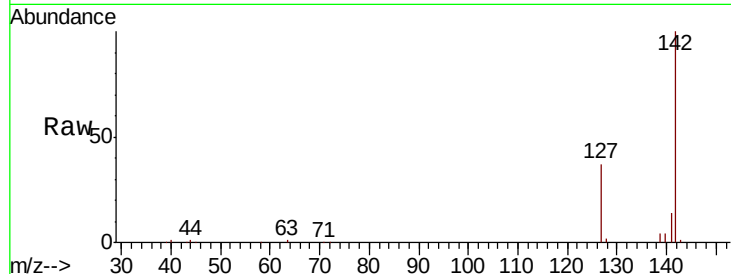
#11
Methvl Iodide
Concen: 21.482 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.7	19.4	58.1
141	13.5	7.2	21.6

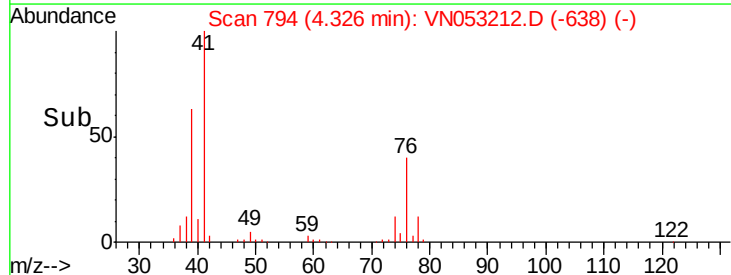
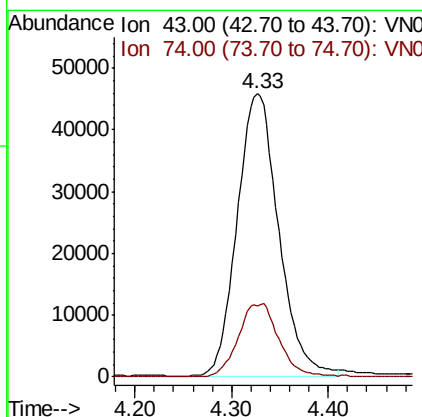
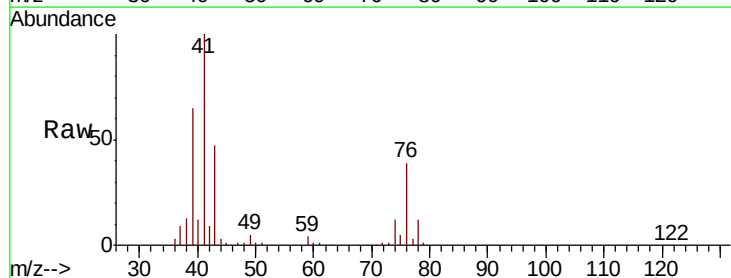
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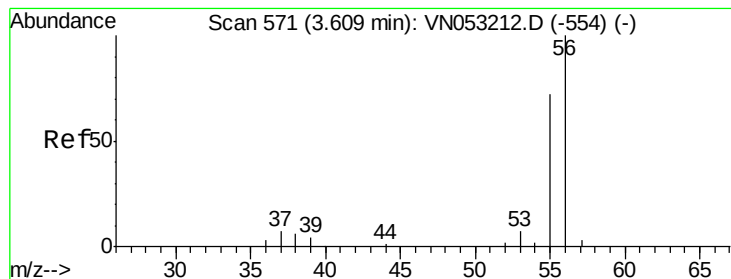
MMDadoda
1/2/2019 9:48:00 AM



#12
Methyl Acetate
Concen: 17.802 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	18.9	28.3





#13

Acrolein

Concen: 92.720 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Tot Ion: 56 Resp: 84030

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1

Instrument :

MSVOA_N

ClientSampleId :

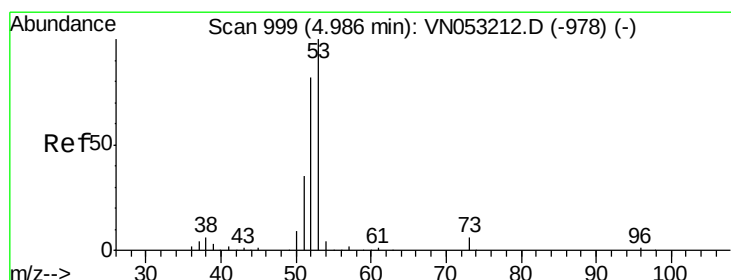
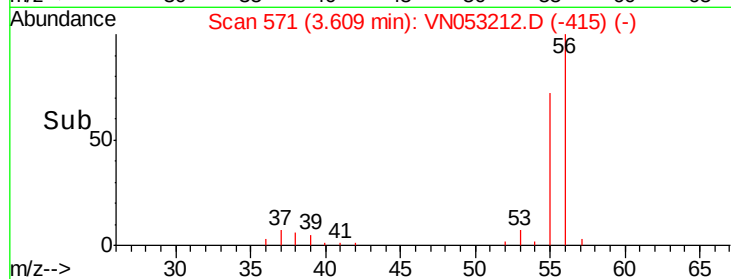
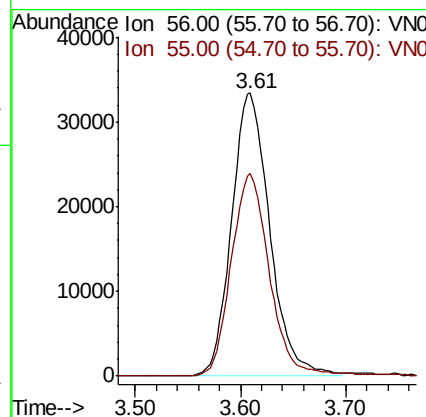
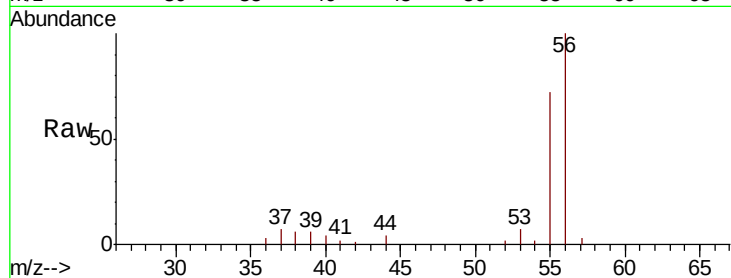
VSTDICCC020

Manual Integrations

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MMDadoda

1/2/2019 9:48:00 AM



#14

Acrylonitrile

Concen: 99.391 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

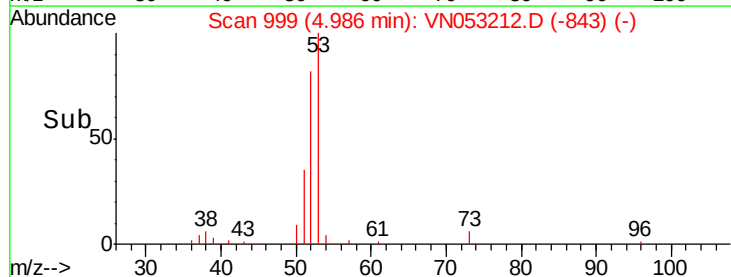
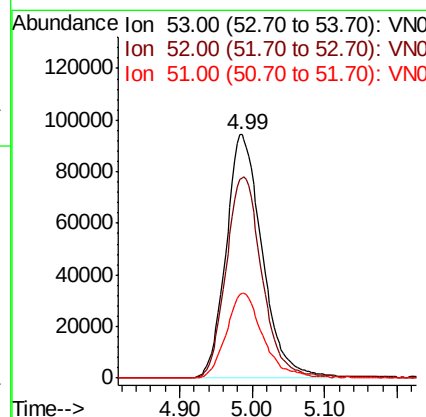
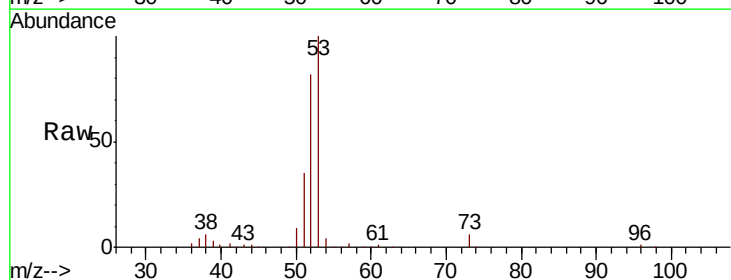
Tgt Ion: 53 Resp: 326730

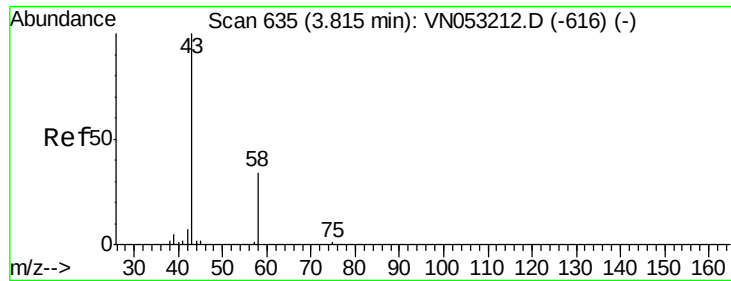
Ion Ratio Lower Upper

53 100

52 82.5 39.9 119.7

51 35.4 17.6 52.9





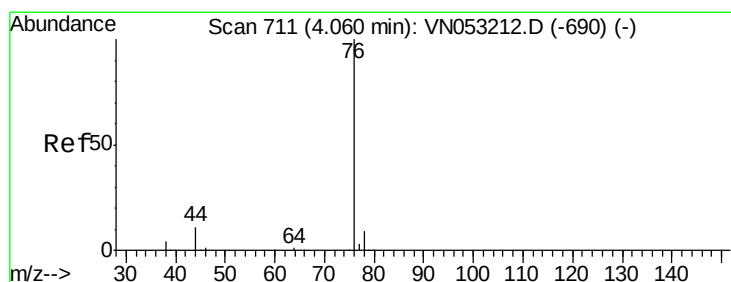
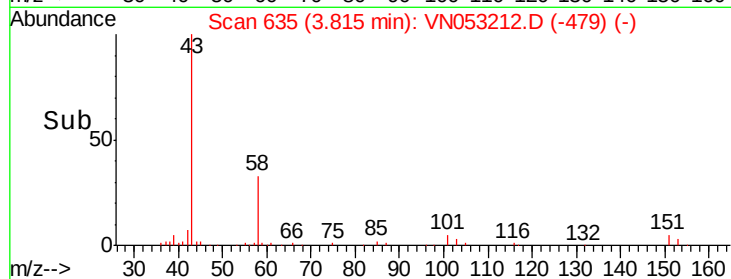
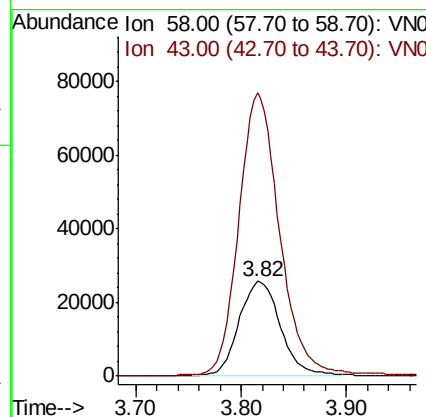
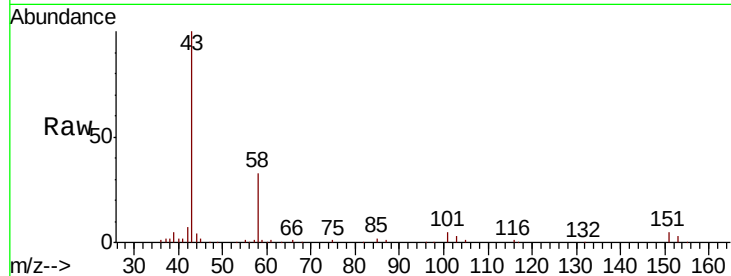
#15
Acetone
Concen: 83.032 ug/l
RT: 3.82 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
58	100		
43	296.5	243.6	365.4

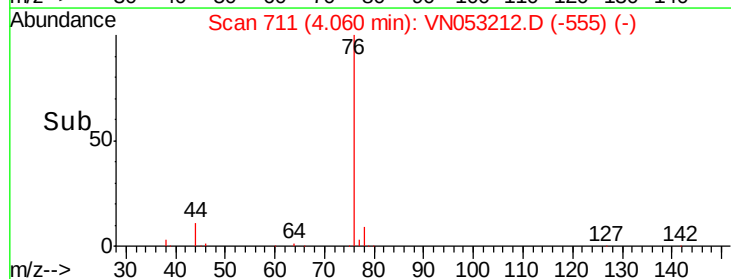
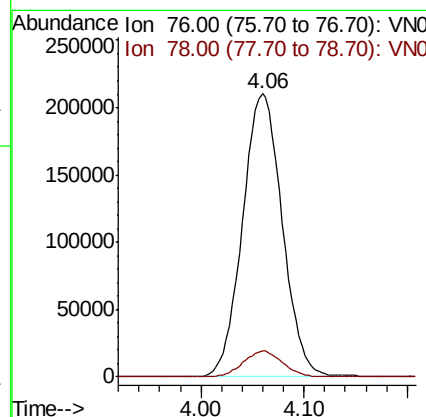
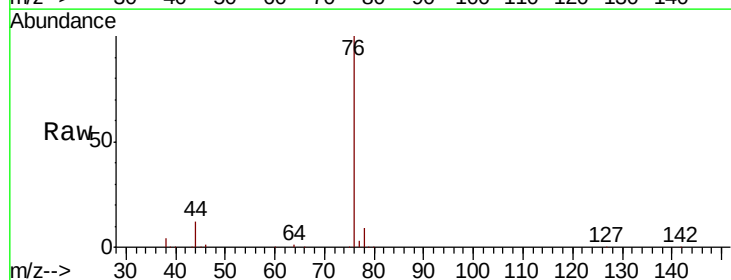
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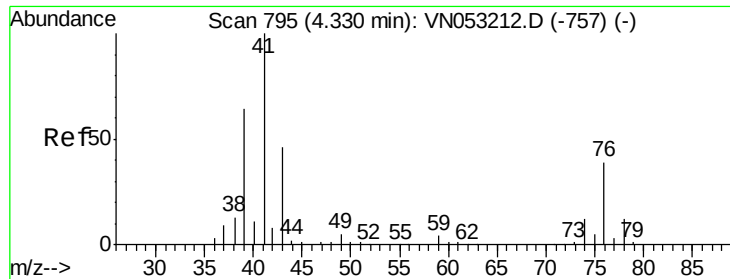
MMDadoda
1/2/2019 9:48:00 AM



#16
Carbon Disulfide
Concen: 19.600 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9





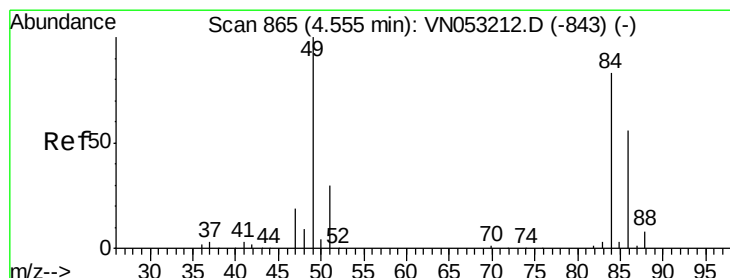
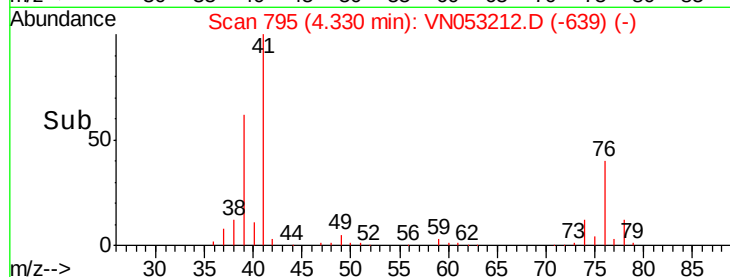
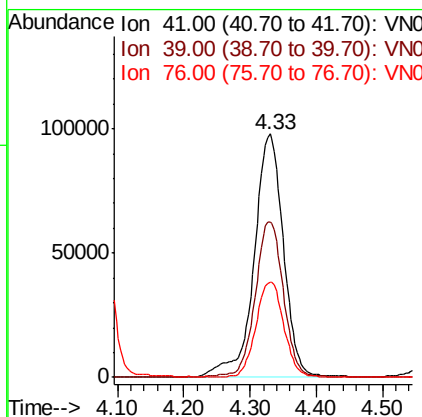
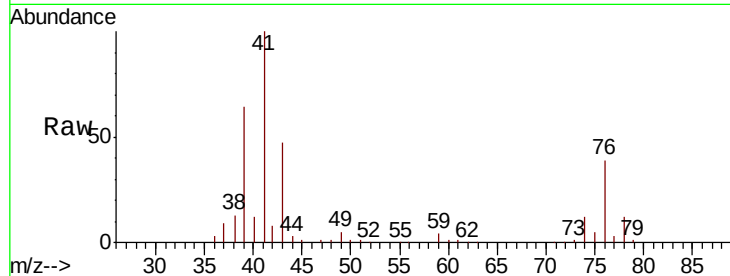
#17
Allvl chloride
Concen: 19.126 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	302873
Ion Ratio	Lower	Upper	
41	100		
39	64.0	32.8	98.3
76	39.0	18.6	55.8

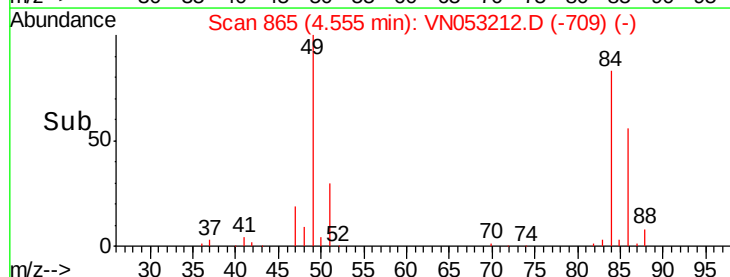
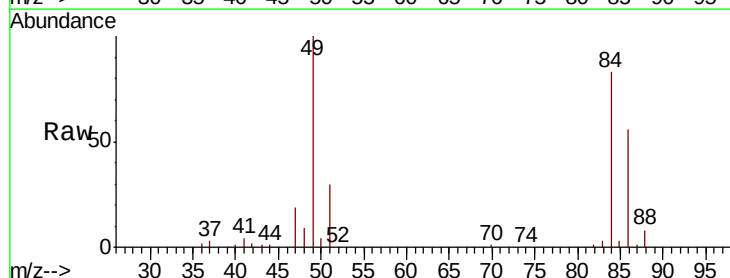
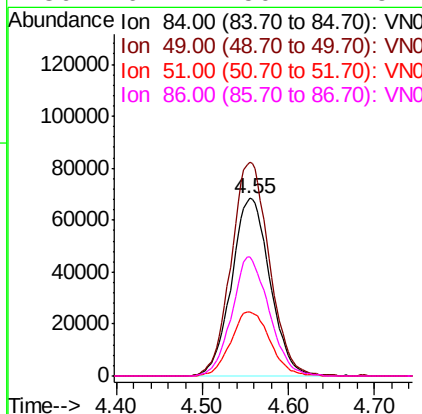
Manual Integrations
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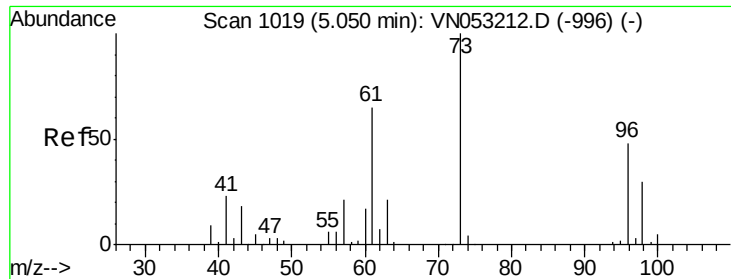
MMDadoda
1/2/2019 9:48:00 AM



#18
Methylene Chloride
Concen: 20.201 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion:	84	Resp:	212389
Ion Ratio	Lower	Upper	
84	100		
49	120.4	101.4	152.0
51	36.0	31.7	47.5
86	67.2	50.1	75.1





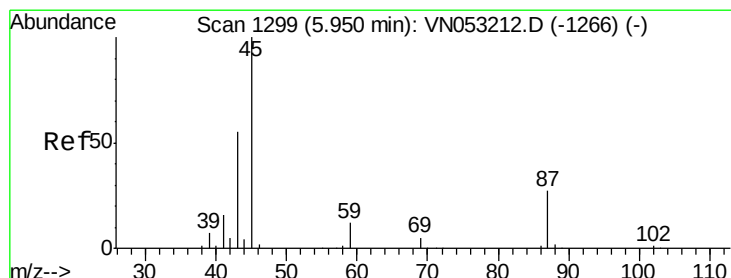
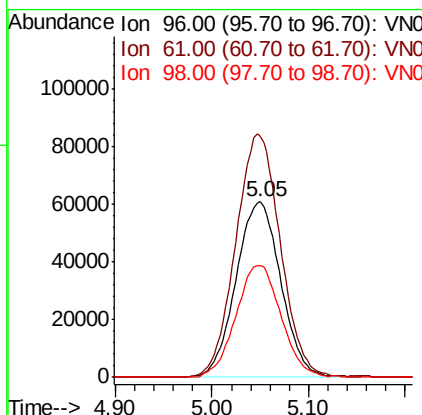
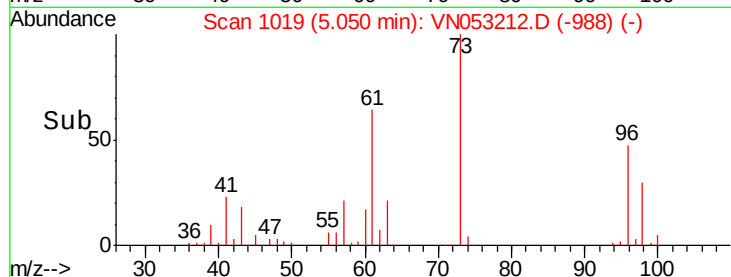
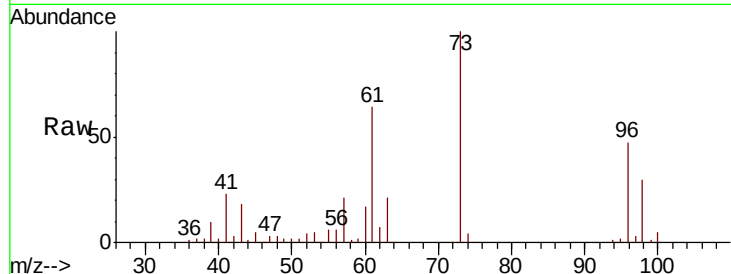
#19
trans-1,2-Dichloroethene
Concen: 20.104 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	118.2	177.4
98	63.5	51.4	77.2

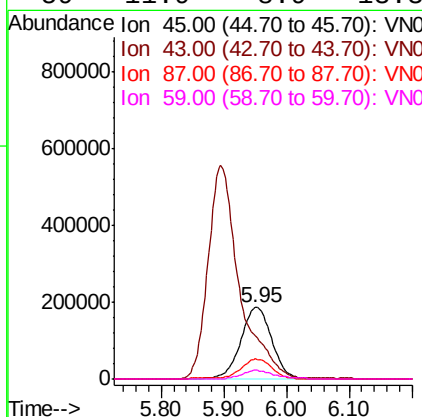
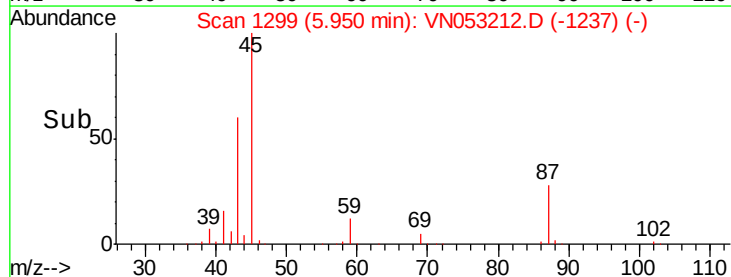
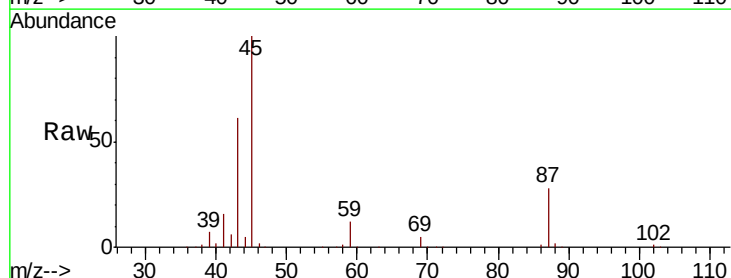
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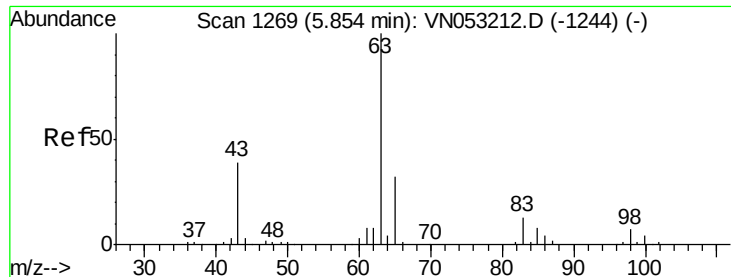
MMDadoda
1/2/2019 9:48:00 AM



#20
Diisopropyl ether
Concen: 19.239 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.8	71.8
87	27.9	21.3	31.9
59	11.9	8.9	13.3





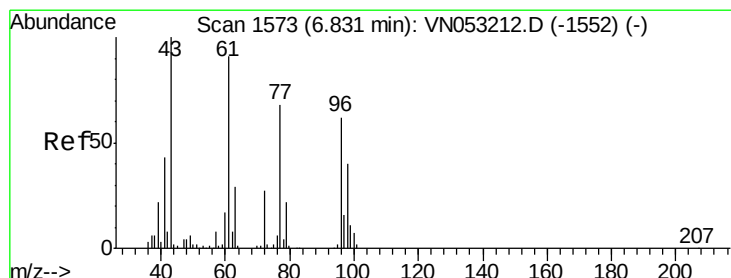
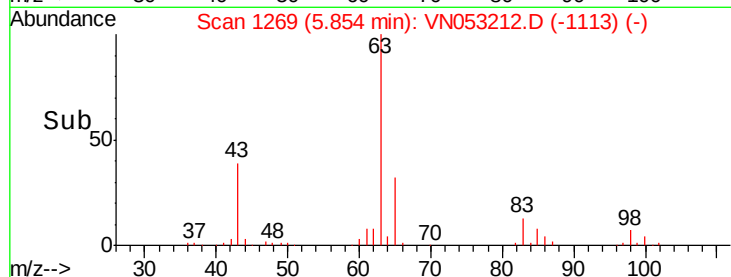
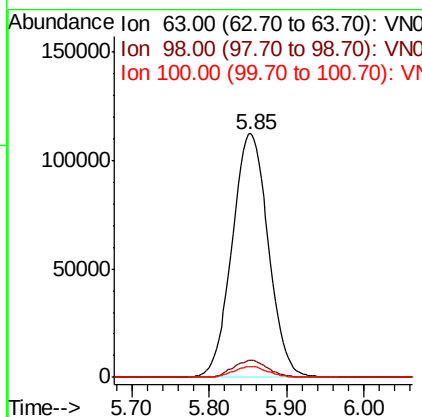
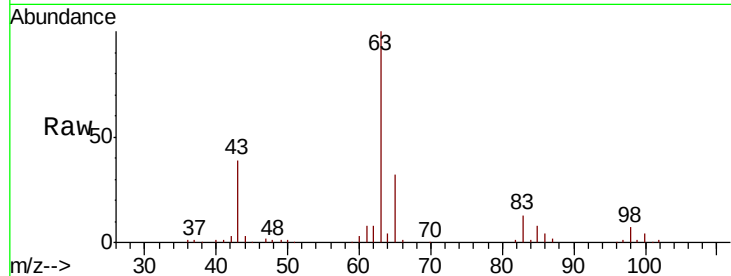
#21
 1,1-Dichloroethane
 Concen: 19.284 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.2	3.0	9.2	
100	4.1	1.8	5.5	

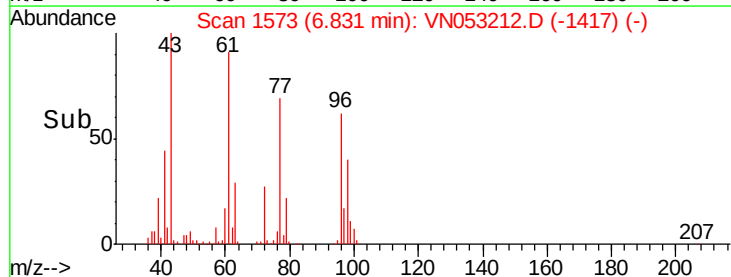
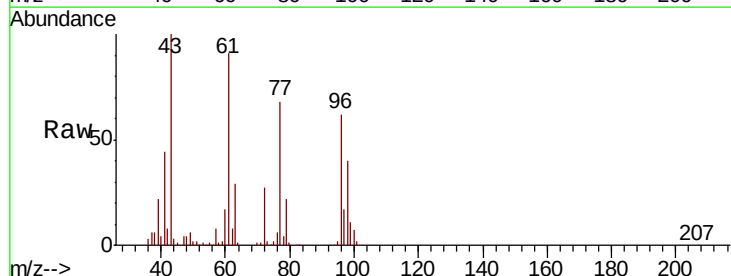
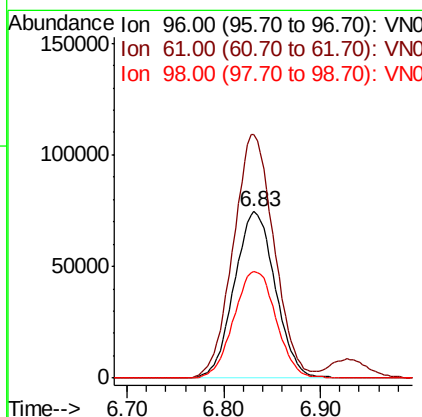
Manual Integrations
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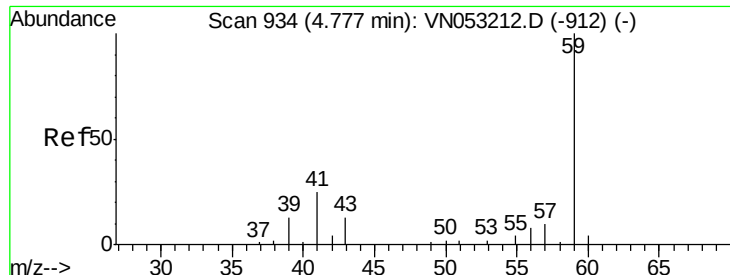
MMDadoda
 1/2/2019 9:48:00 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.624 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.9	116.7	175.1	
98	66.1	50.8	76.2	





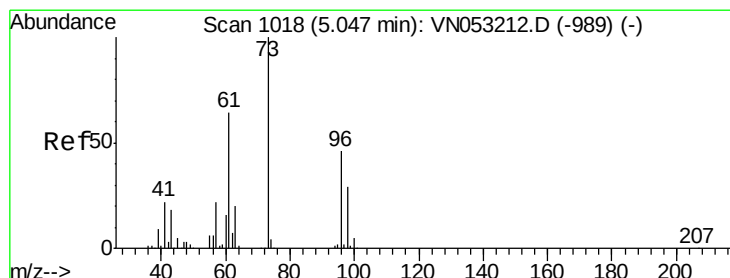
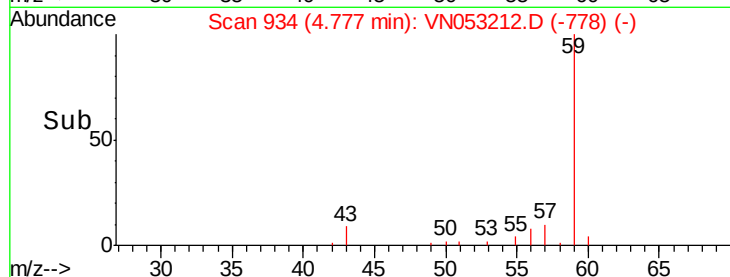
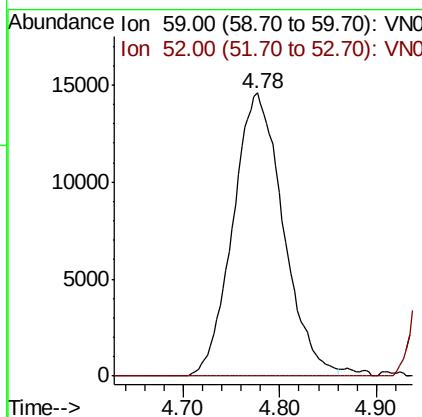
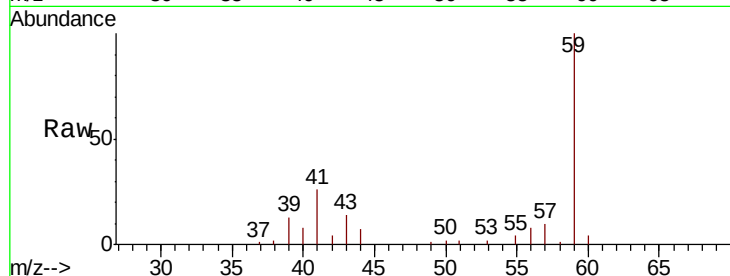
#23
 tert-Butyl Alcohol
 Concen: 107.703 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
59	100		
52	0.0	0.0	0.0

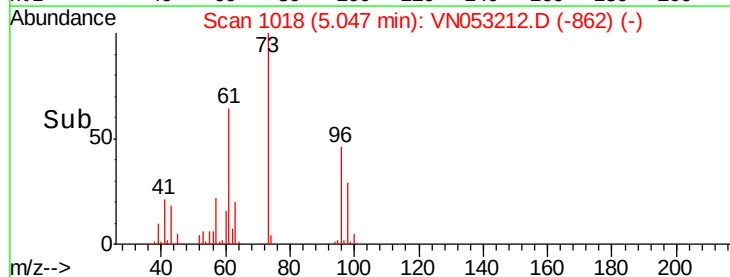
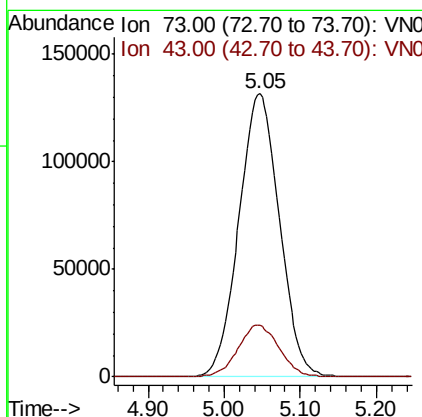
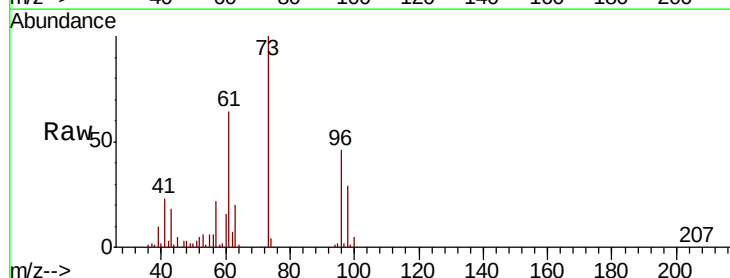
Manual Integrations
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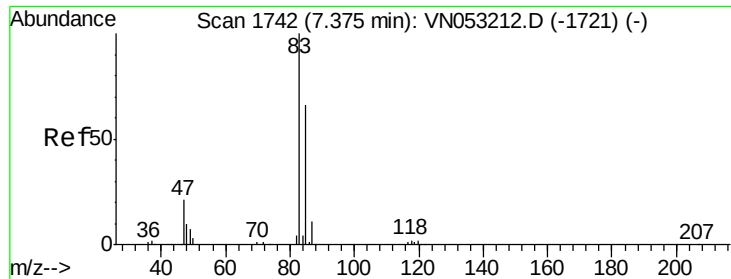
MMDadoda
 1/2/2019 9:48:00 AM



#24
 Methyl tert-Butyl Ether
 Concen: 20.465 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Resp Lower	Upper
73	100		
43	18.7	15.8	23.8





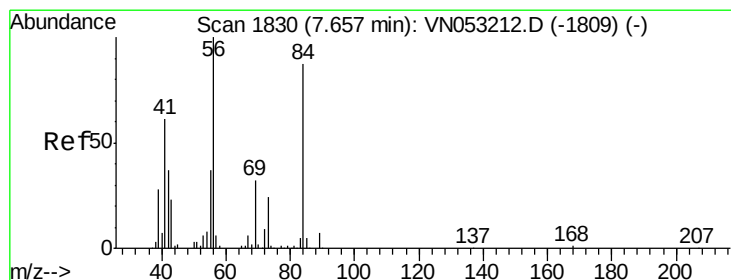
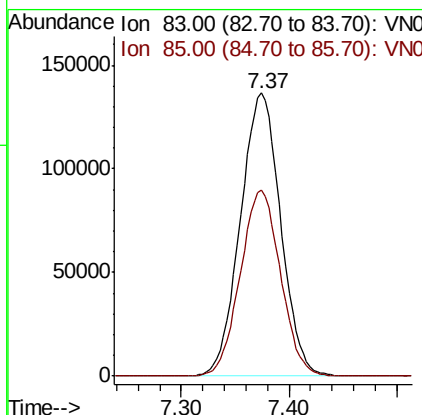
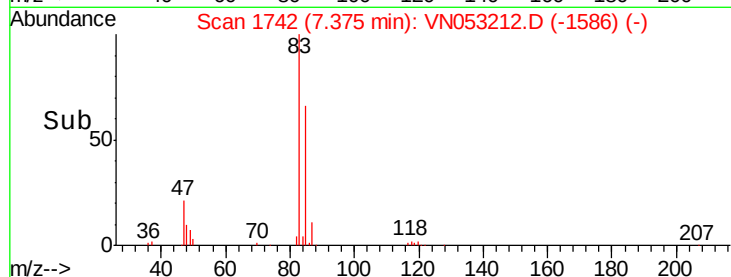
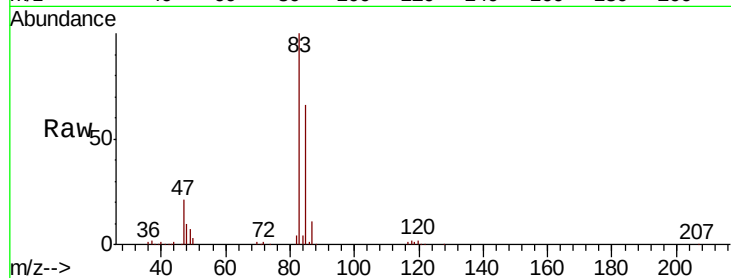
#25
Chloroform
Concen: 19.345 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	353982
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	51.7	77.5

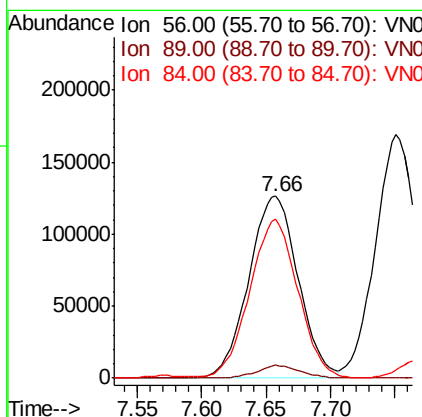
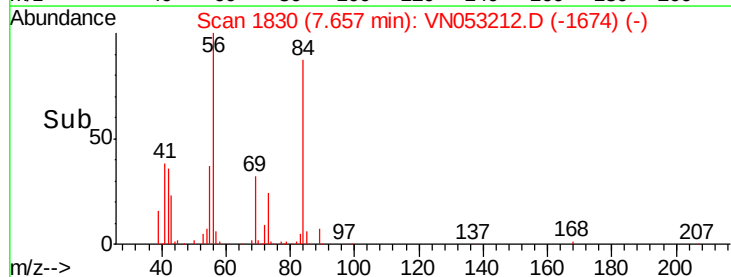
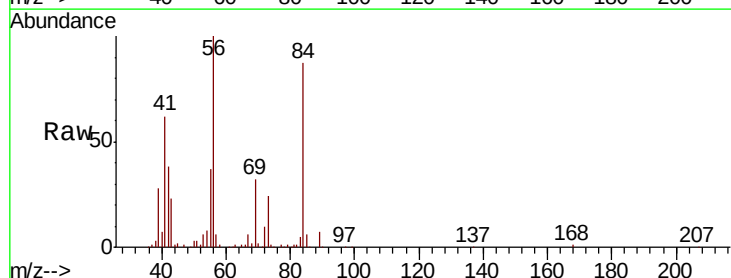
Manual Integrations
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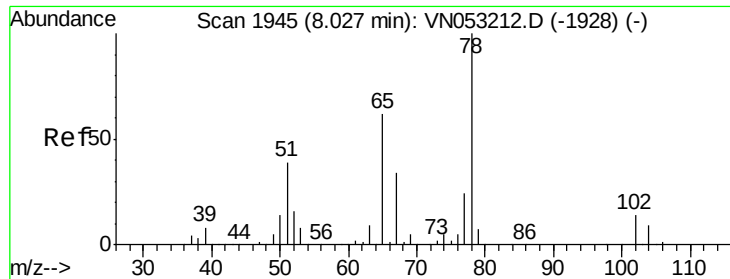
MMDadoda
1/2/2019 9:48:00 AM



#26
Cyclohexane
Concen: 18.834 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	56	Resp	336925
Ion Ratio	100	Lower	Upper
56	100		
89	6.1	0.5	0.7#
84	85.1	66.2	99.2





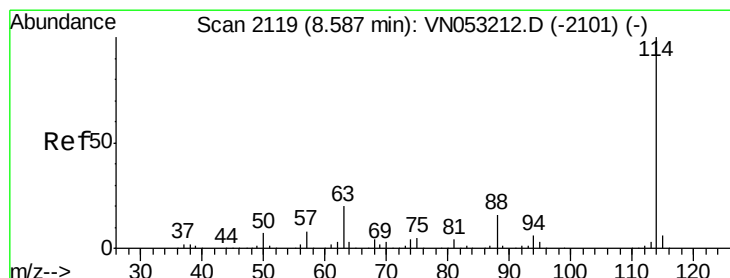
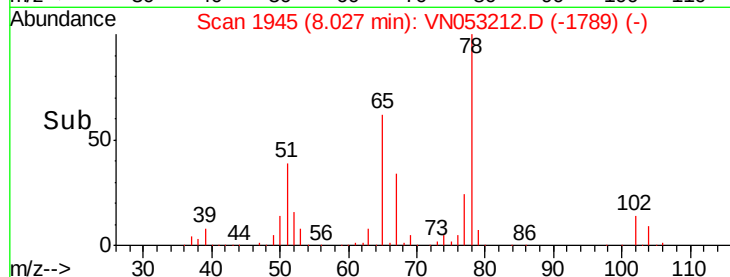
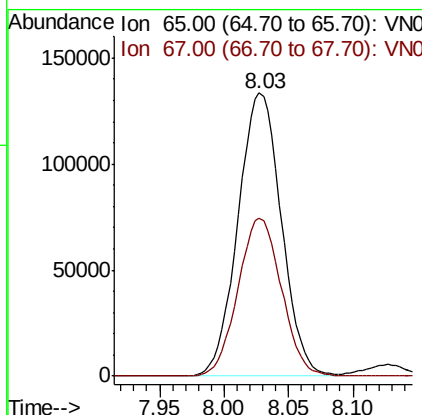
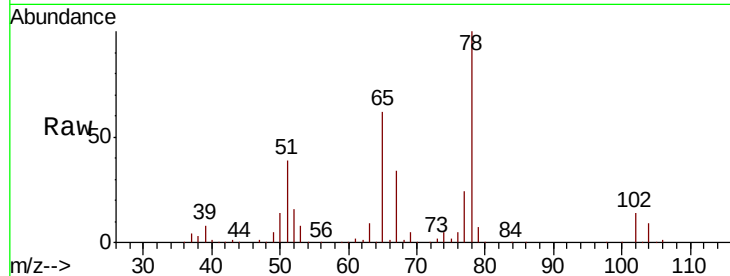
#27
 1,2-Dichloroethane-d4
 Concen: 18.834 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	44.6	66.8

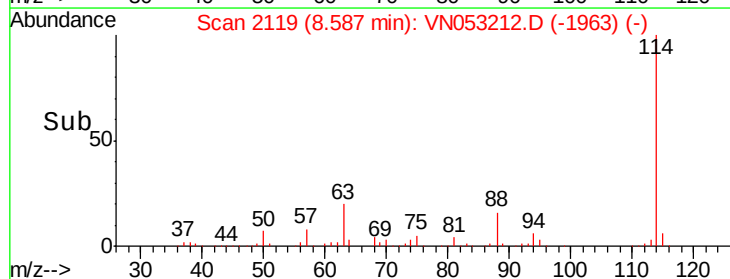
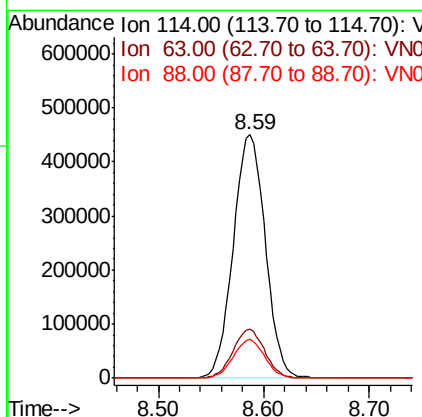
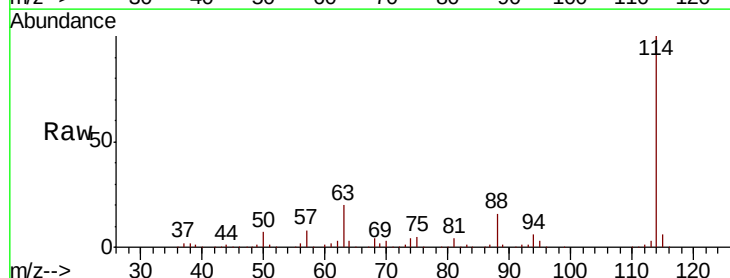
Manual Integrations
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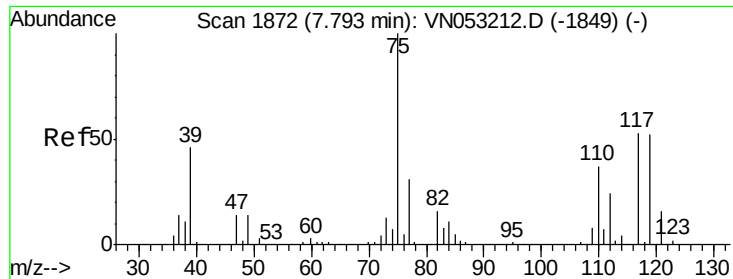
MMDadoda
 1/2/2019 9:48:00 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	16.9	25.3
88	15.6	12.8	19.2





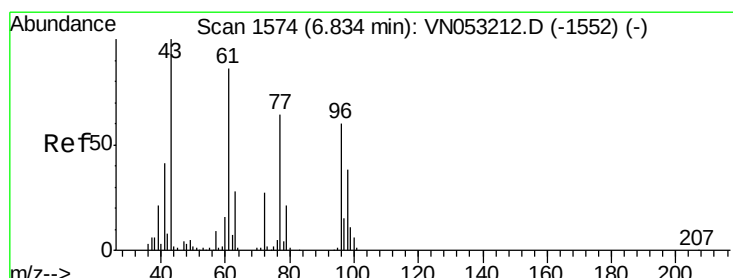
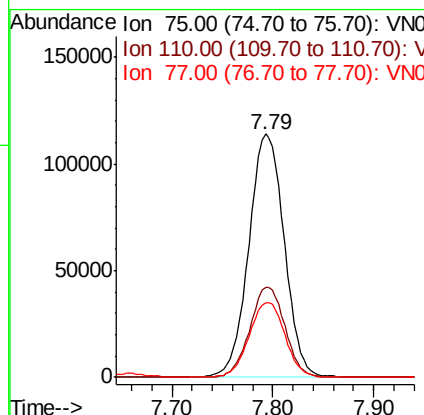
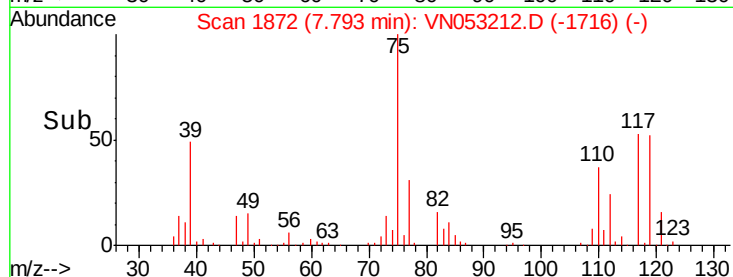
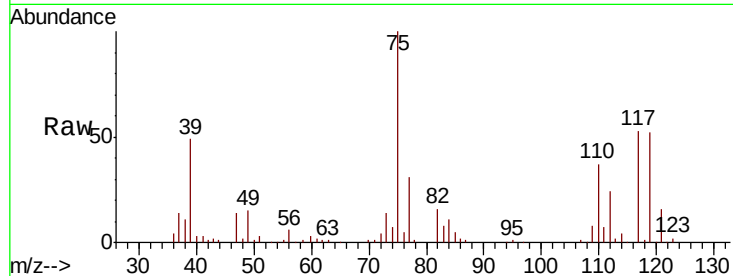
#29
 1,1-Dichloropropene
 Concen: 19.182 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.6	0.0	70.2
77	31.3	0.0	62.6

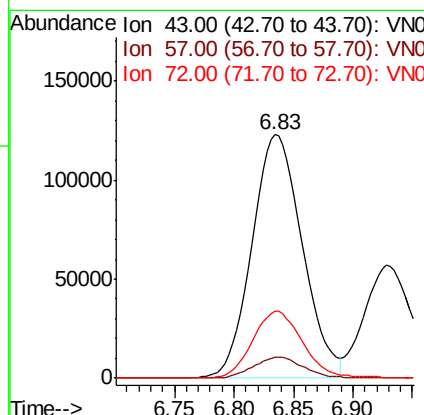
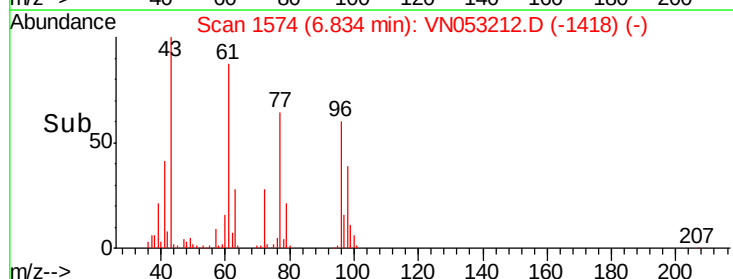
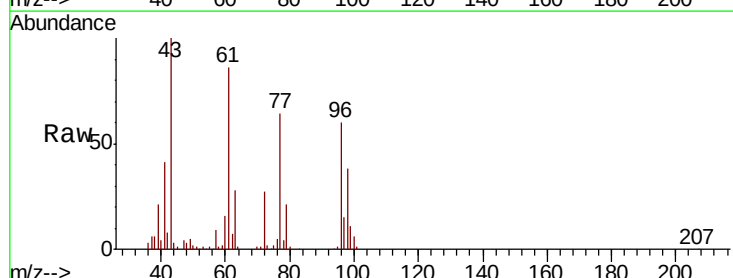
Manual Integrations
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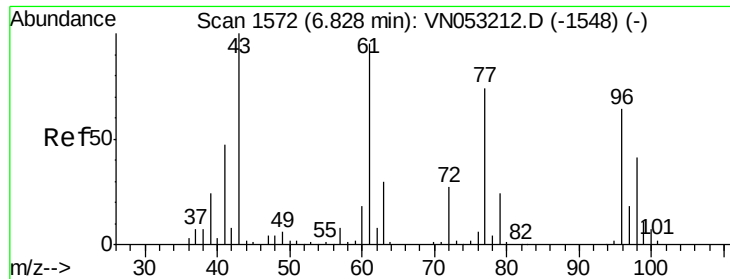
MMDadoda
 1/2/2019 9:48:00 AM



#30
 2-Butanone
 Concen: 92.396 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.2	9.4
72	27.6	21.0	31.6





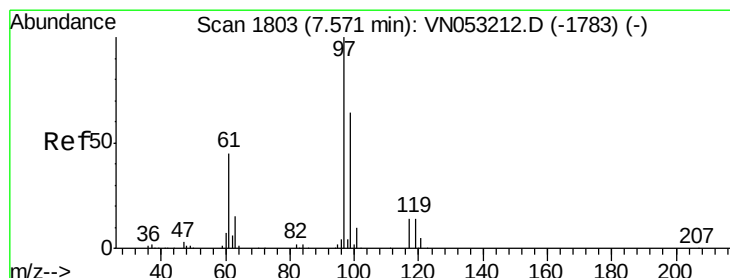
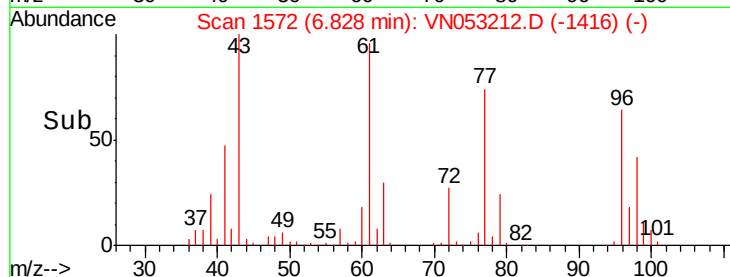
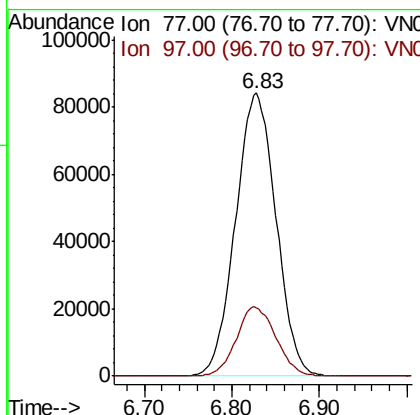
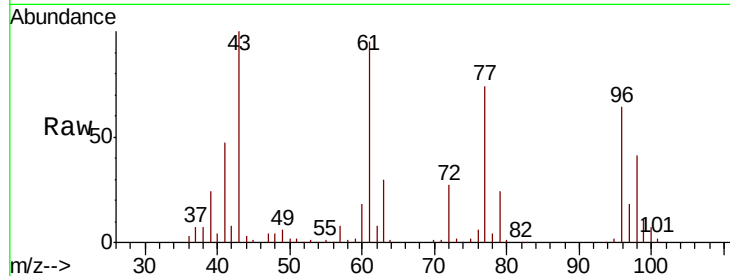
#31
 2,2-Dichloropropane
 Concen: 20.243 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.1	18.7	28.1

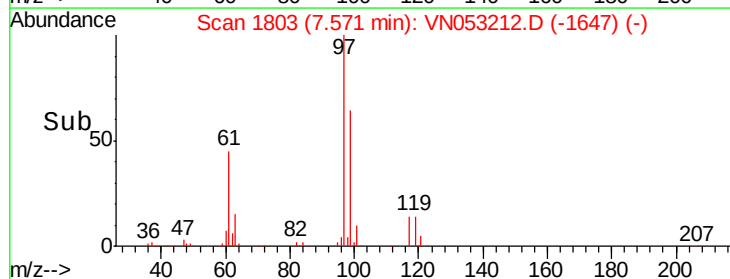
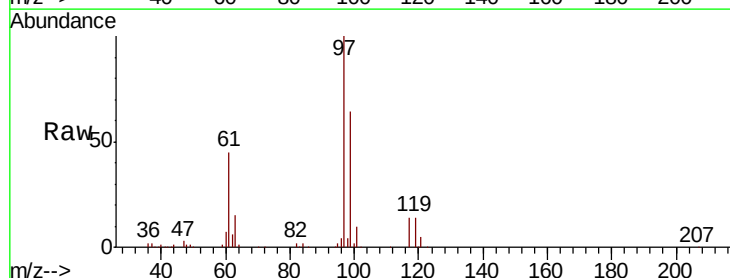
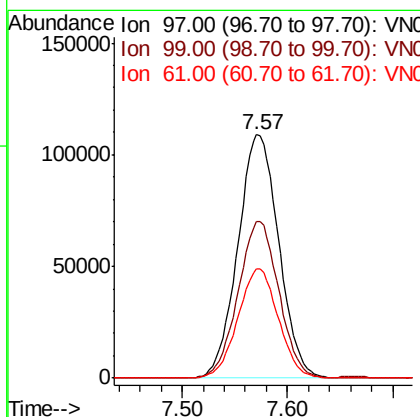
Manual Integrations
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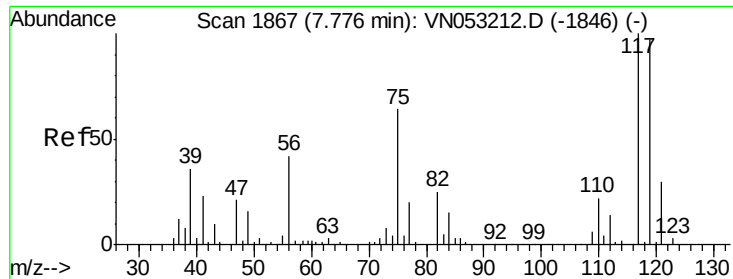
MMDadoda
 1/2/2019 9:48:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.465 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	44.4	38.1	57.1





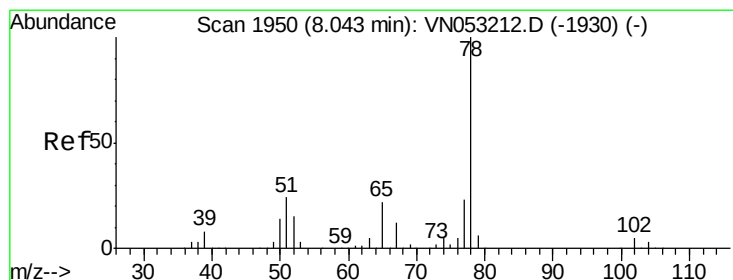
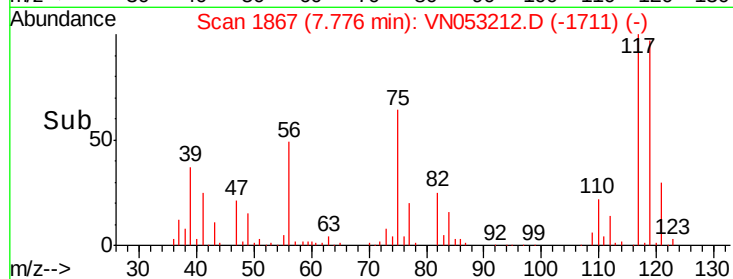
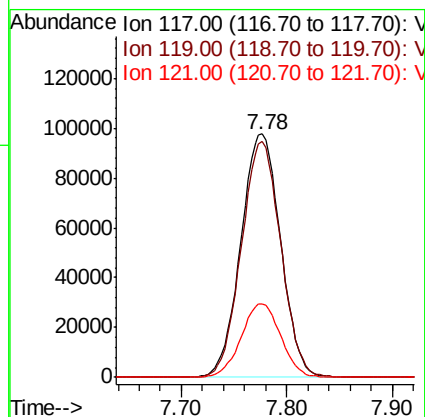
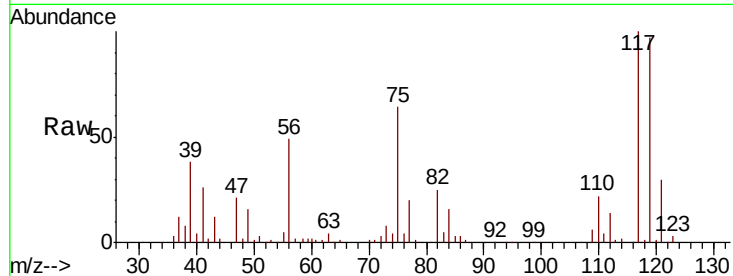
#33
Carbon Tetrachloride
Concen: 19.383 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.3	115.9
121	30.4	24.9	37.3

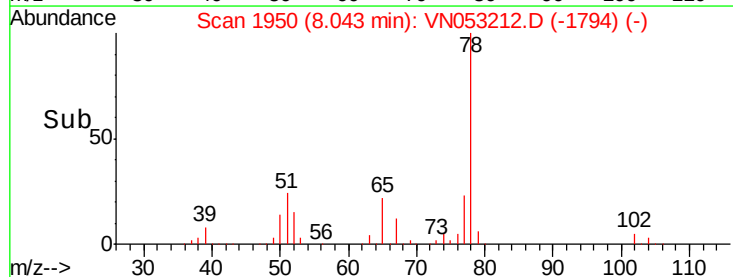
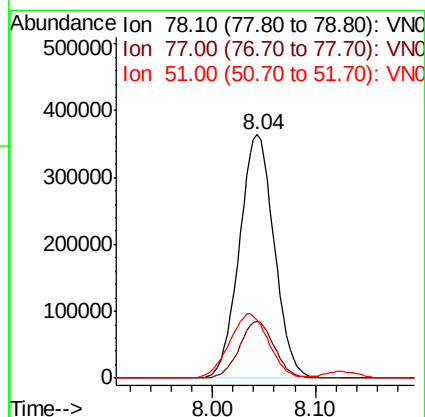
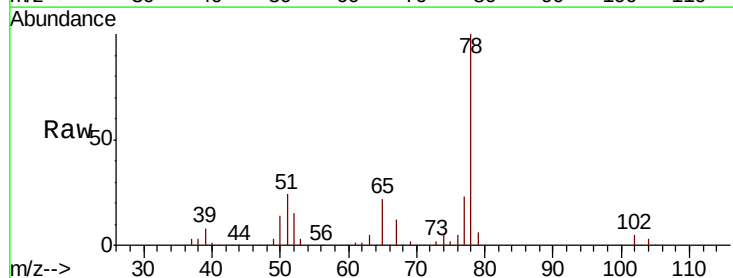
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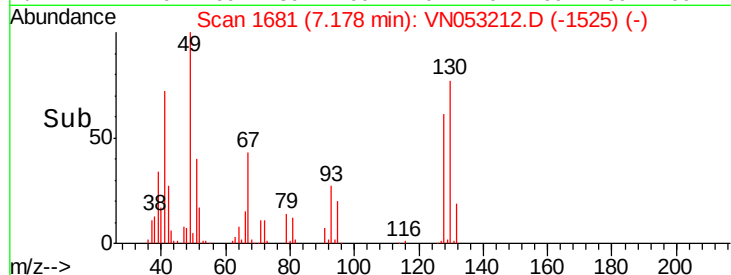
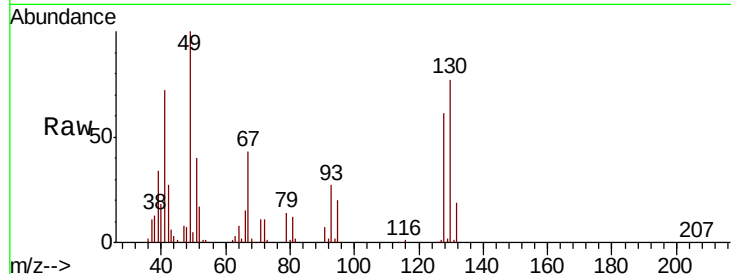
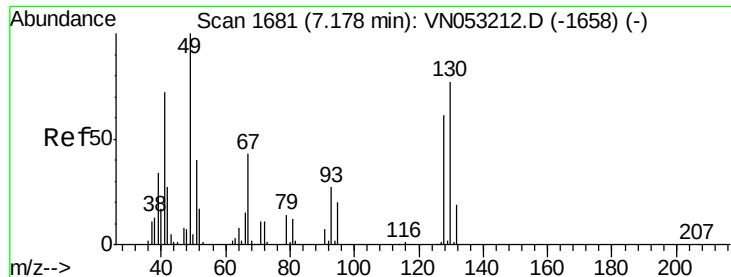
MMDadoda
1/2/2019 9:48:00 AM



#34
Benzene
Concen: 19.565 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6
51	24.0	20.5	30.7





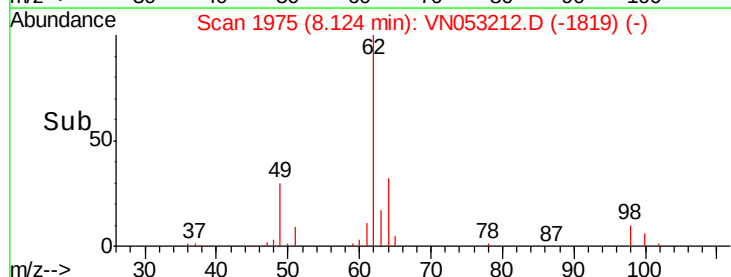
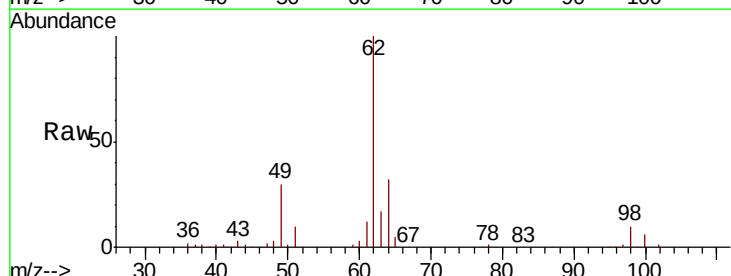
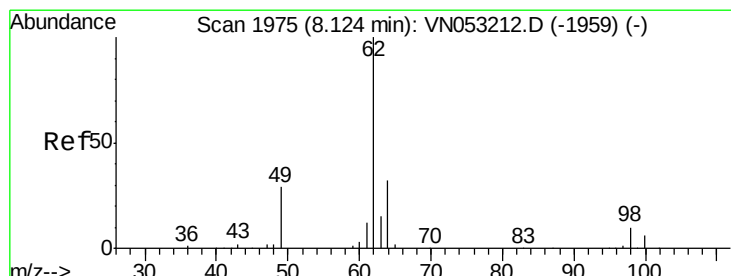
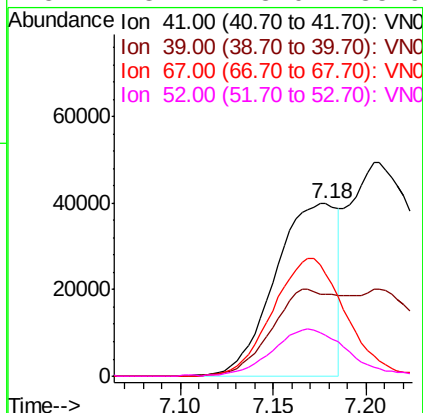
#35
Methacrylonitrile
Concen: 19.336 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.5	26.6	79.7	
67	59.4	32.3	96.9	
52	23.2	13.0	38.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

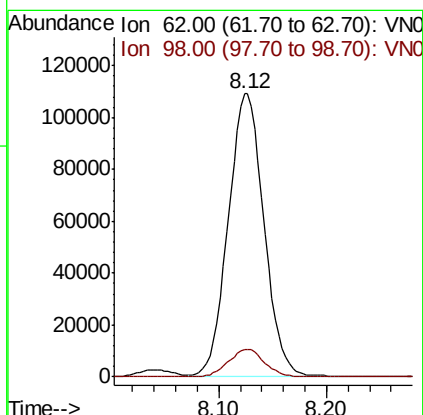
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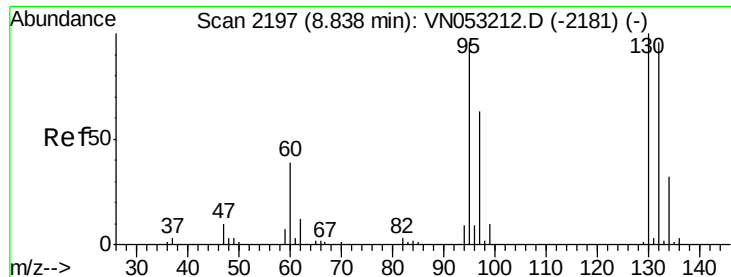
MMDadoda
1/2/2019 9:48:00 AM



#36
1,2-Dichloroethane
Concen: 18.957 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	7.4	11.2	





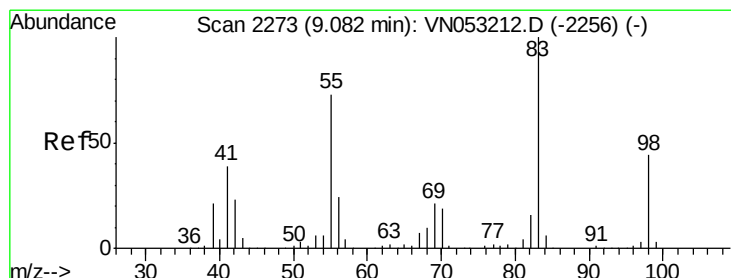
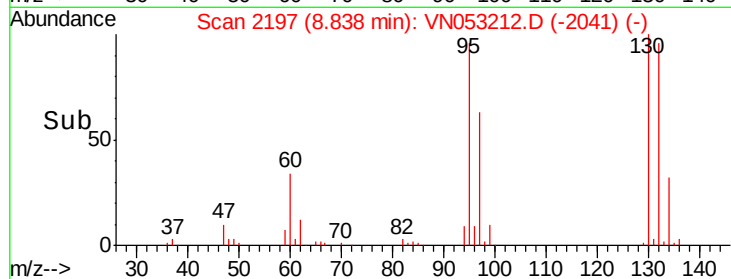
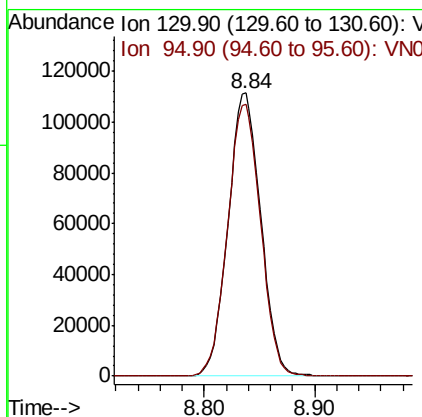
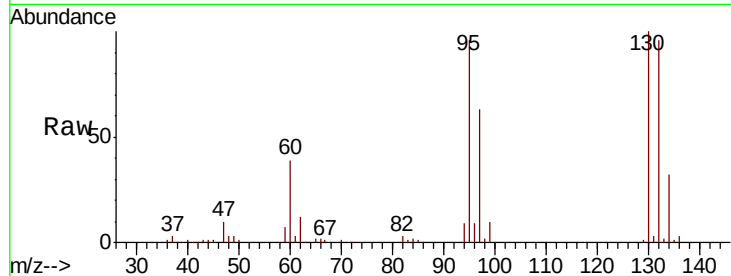
#37
 Trichloroethene
 Concen: 20.703 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 228923
 Ion Ratio Lower Upper
 130 100
 95 96.0 81.0 121.4

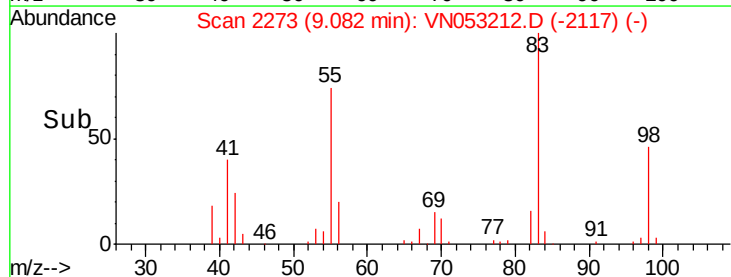
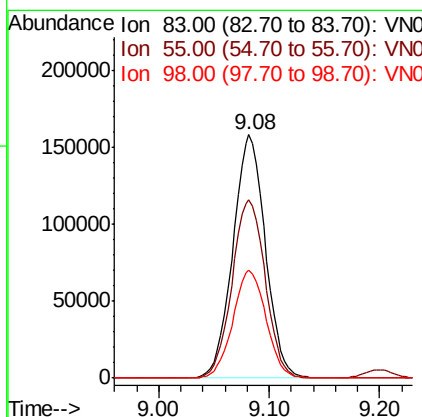
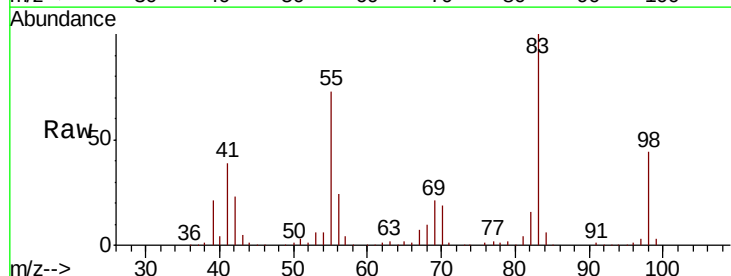
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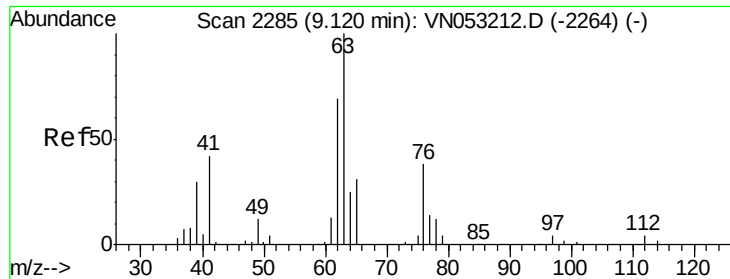
MMDadoda
 1/2/2019 9:48:00 AM



#38
 Methylcyclohexane
 Concen: 17.948 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion: 83 Resp: 322241
 Ion Ratio Lower Upper
 83 100
 55 74.9 39.8 119.4
 98 45.3 22.9 68.5





#39

1,2-Dichloropropane

Concen: 18.908 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 221014

Ion Ratio Lower Upper

63 100

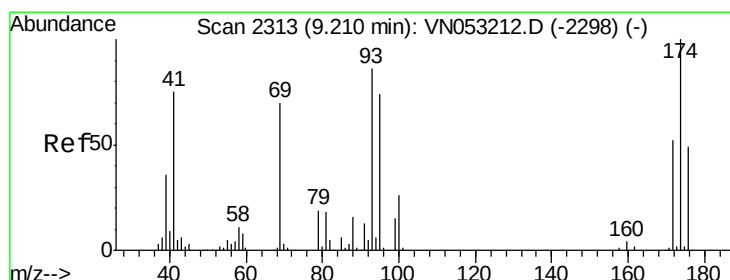
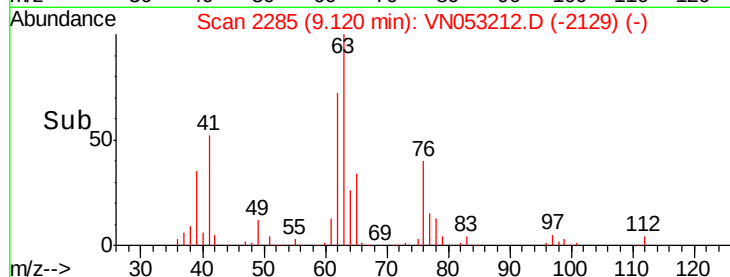
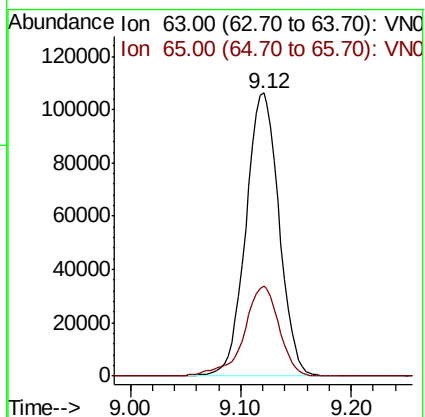
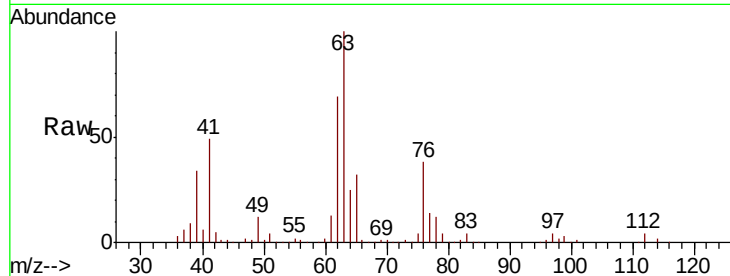
65 31.7 23.6 35.4

Manual Integrations

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MMDadoda

1/2/2019 9:48:00 AM



#40

Dibromomethane

Concen: 19.766 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

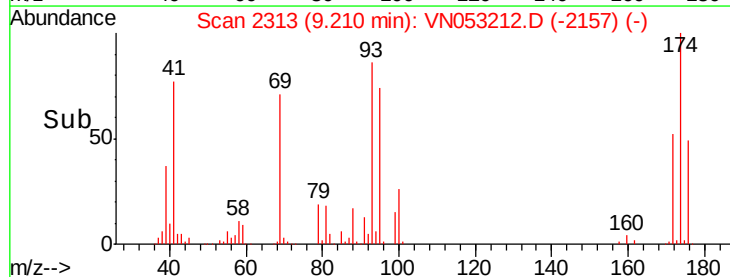
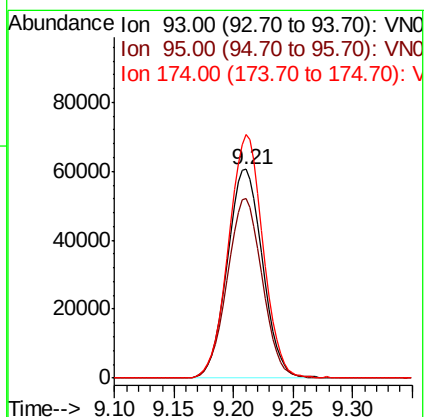
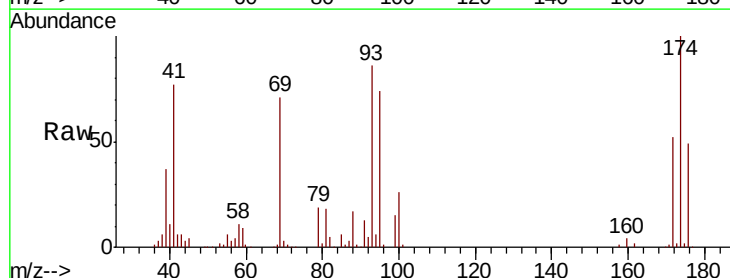
Tgt Ion: 93 Resp: 124853

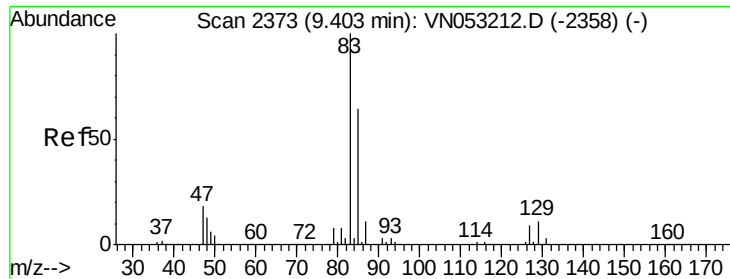
Ion Ratio Lower Upper

93 100

95 85.2 0.0 168.4

174 113.4 0.0 210.0





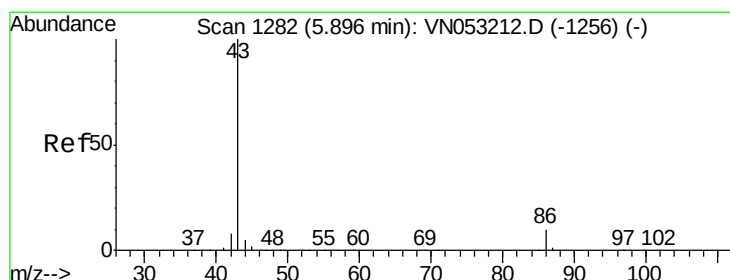
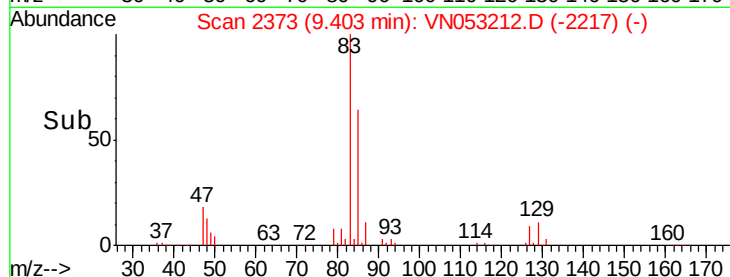
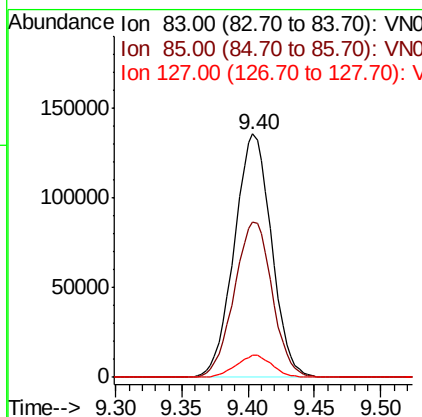
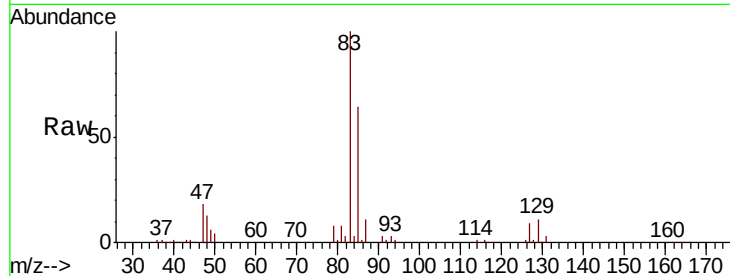
#41
 Bromodichloromethane
 Concen: 18.981 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	264890
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	52.4	78.6
127	8.9	6.6	9.8

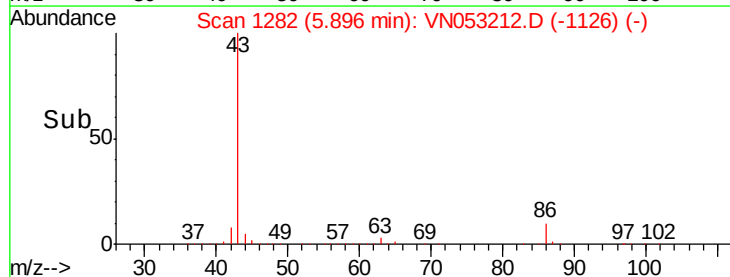
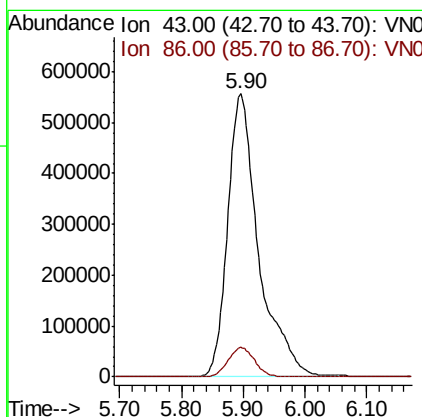
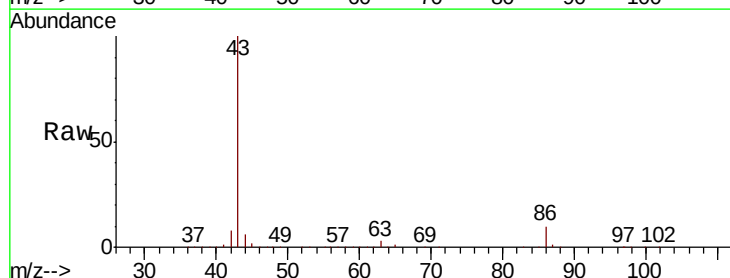
Manual Integrations
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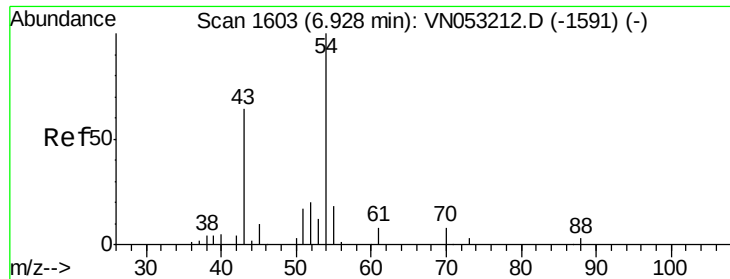
MMDadoda
 1/2/2019 9:48:00 AM



#42
 Vinyl Acetate
 Concen: 92.470 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	43	Resp	1941754
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	6.5	9.7





#43

Ethyl Acetate

Concen: 19.736 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 43 Resp: 162870

Ion Ratio Lower Upper

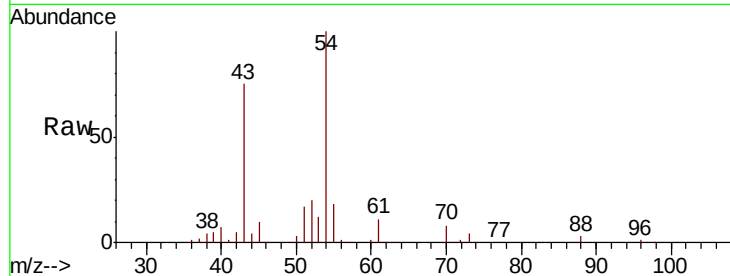
43 100

45 14.0 1.0 1.6#

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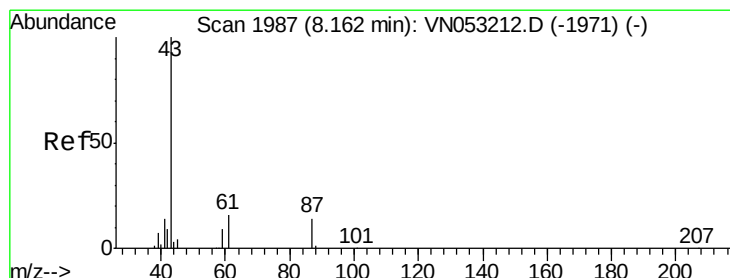
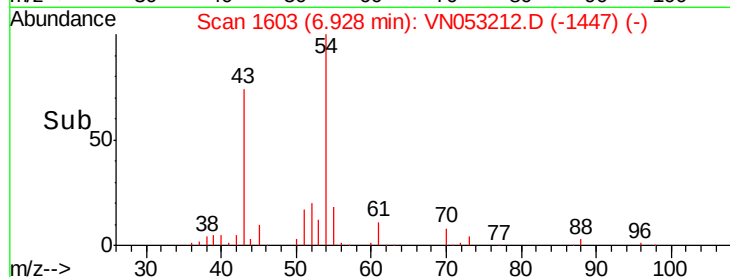
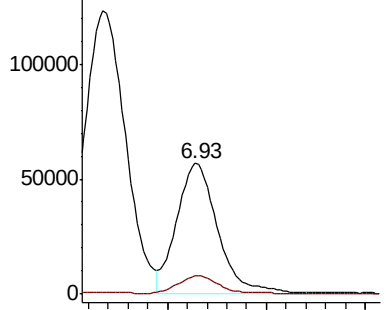
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.827 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053212.D

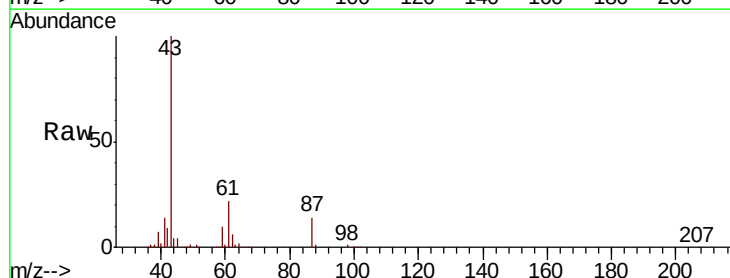
Acq: 28 Dec 2018 8:55

Tgt Ion: 43 Resp: 286969

Ion Ratio Lower Upper

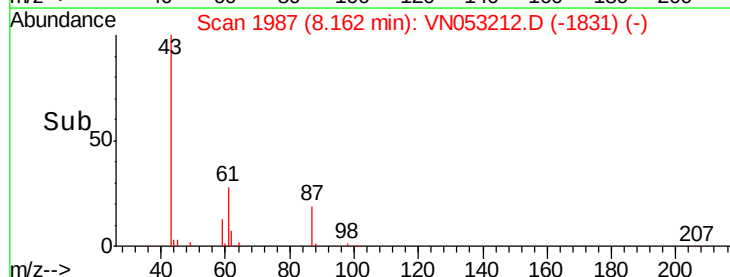
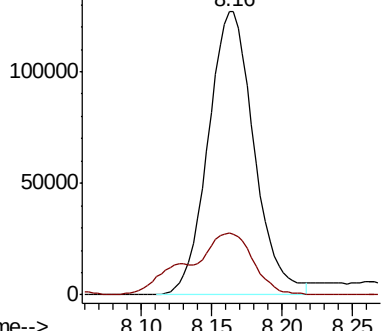
43 100

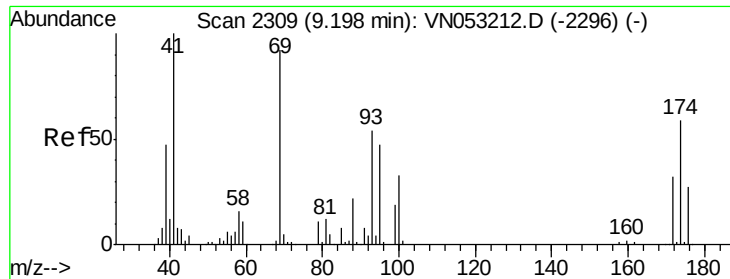
61 21.8 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





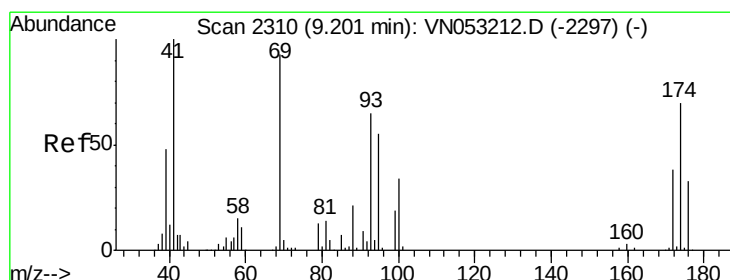
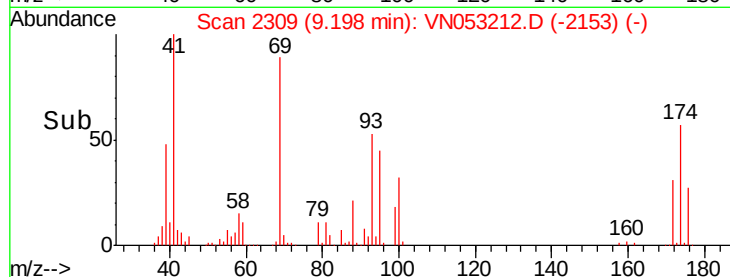
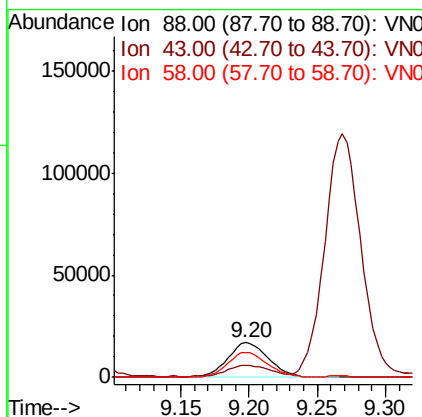
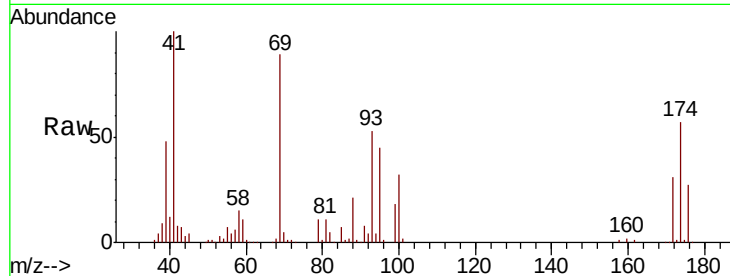
#45
1,4-Dioxane
Concen: 447.078 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	29.5	44.3
58	70.4	61.5	92.3

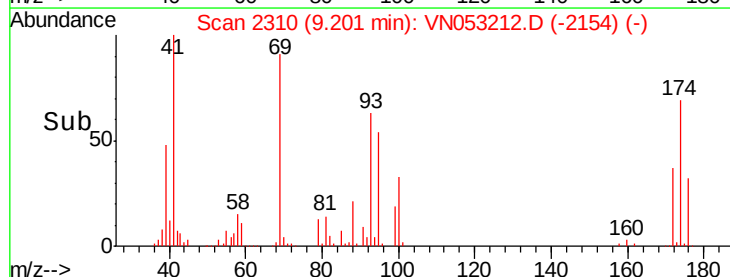
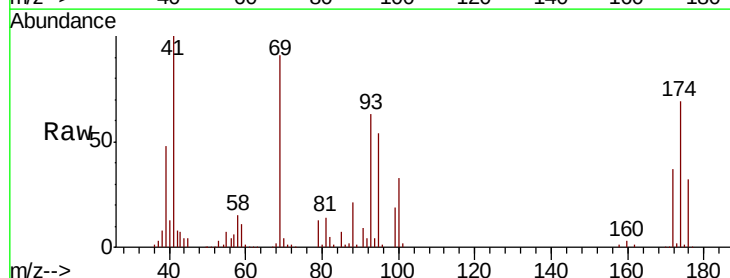
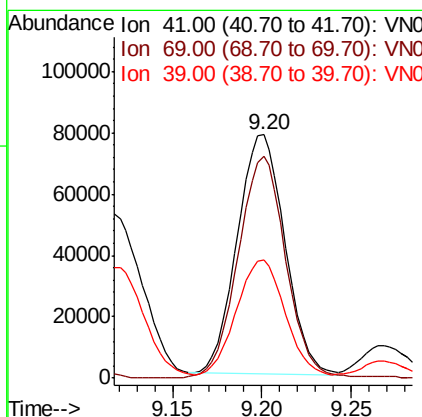
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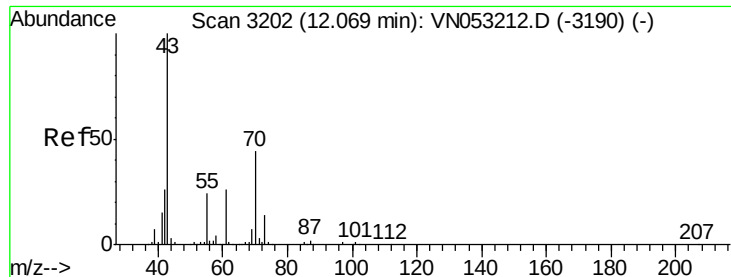
MMDadoda
1/2/2019 9:48:00 AM



#46
Methyl methacrylate
Concen: 19.388 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.9	42.5	127.6
39	47.9	26.3	78.9





#47

n-amyl Acetate

Concen: 20.466 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 245598

Ion Ratio Lower Upper

43 100

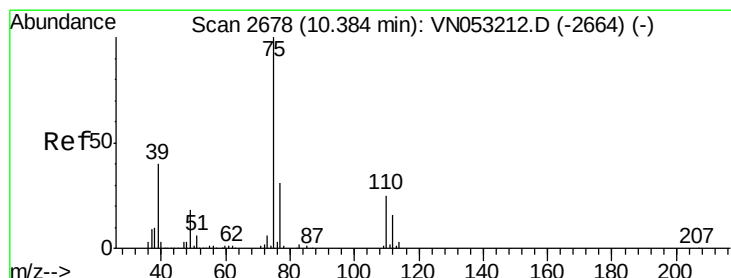
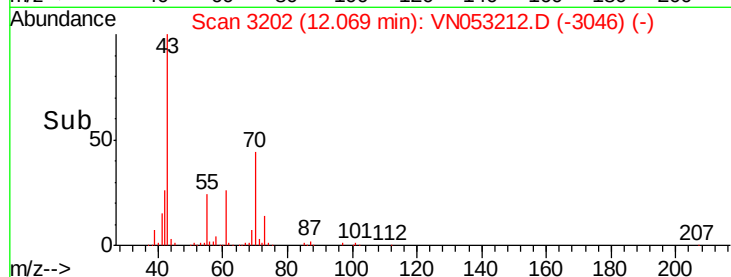
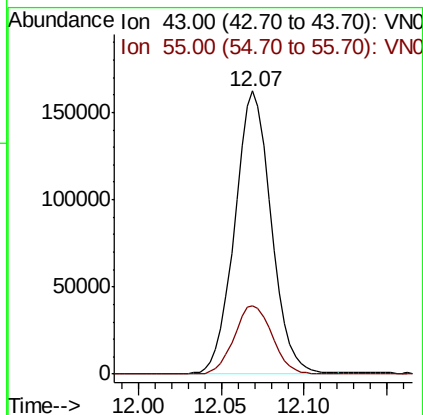
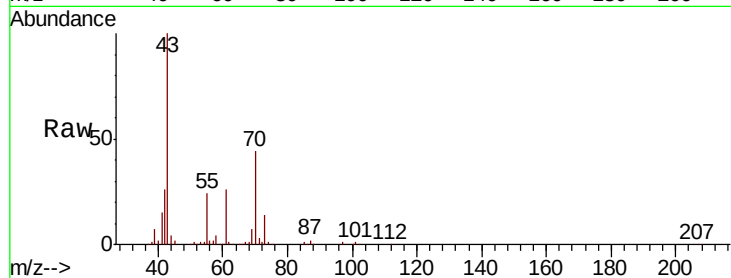
55 25.7 21.1 31.7

Manual Integrations

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1/2/2019 9:48:00 AM



#48

t-1,3-Dichloropropene

Concen: 19.783 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053212.D

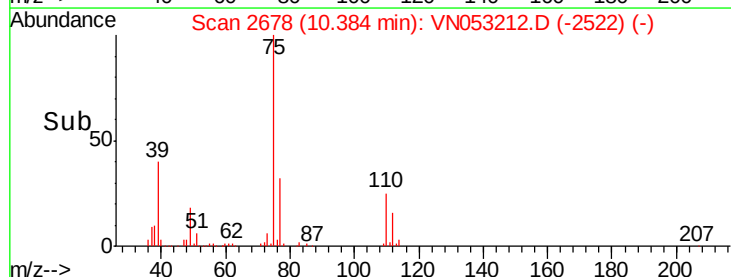
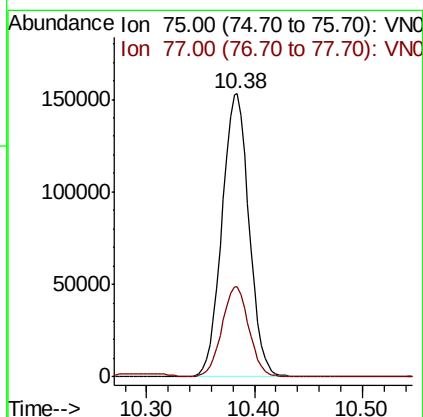
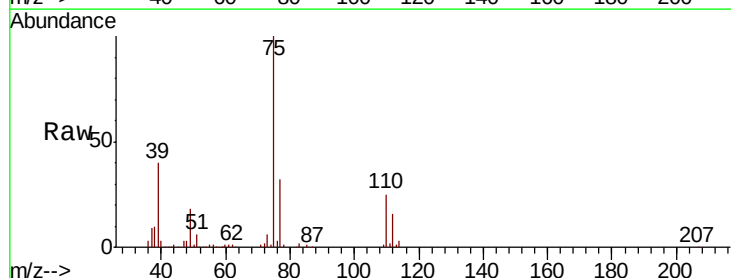
Acq: 28 Dec 2018 8:55

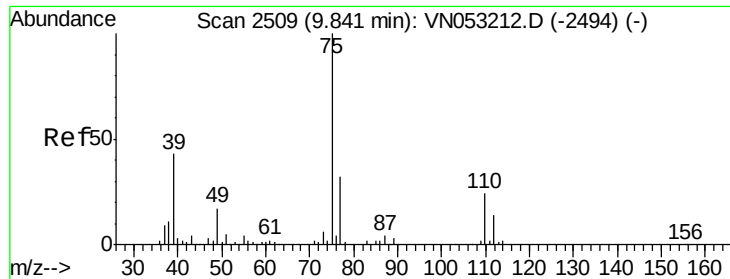
Tgt Ion: 75 Resp: 267696

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4





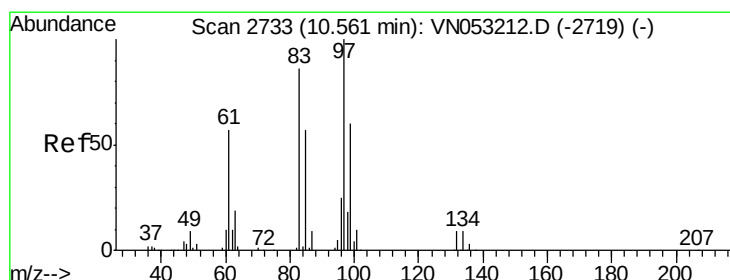
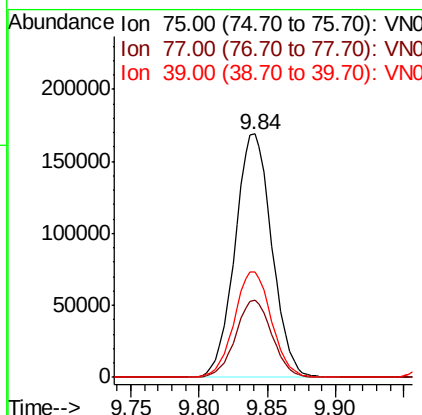
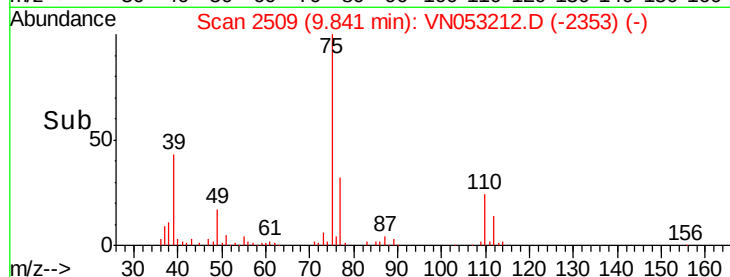
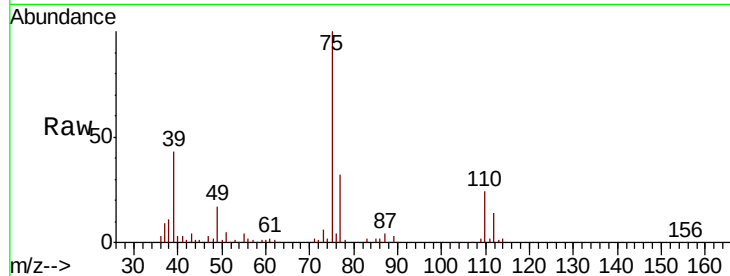
#49
 cis-1,3-Dichloropropene
 Concen: 19.238 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	43.3	37.3	55.9

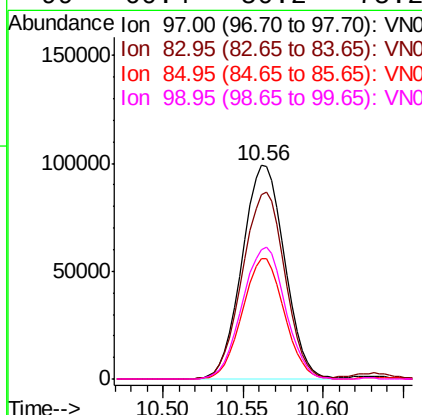
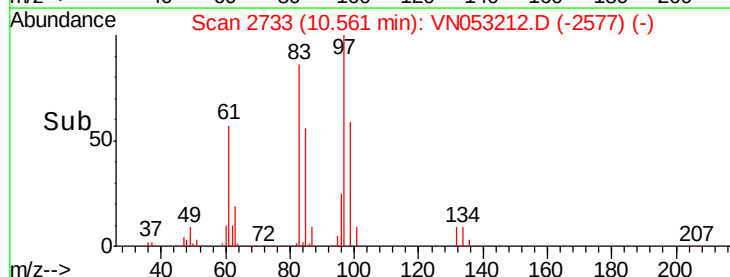
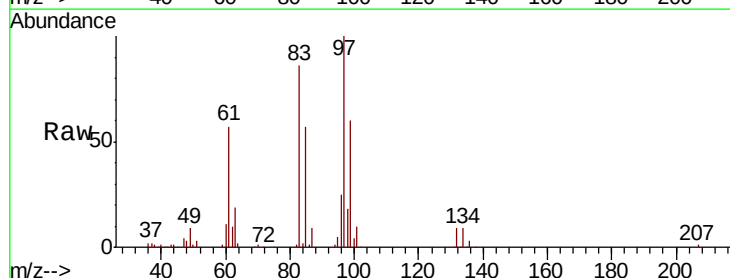
Manual Integrations
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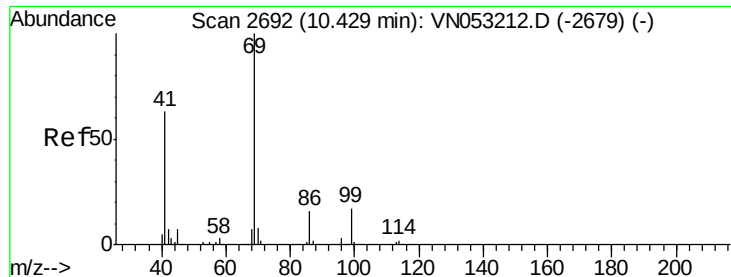
MMDadoda
 1/2/2019 9:48:00 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.152 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.4	105.6
85	56.5	45.0	67.6
99	60.4	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.203 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

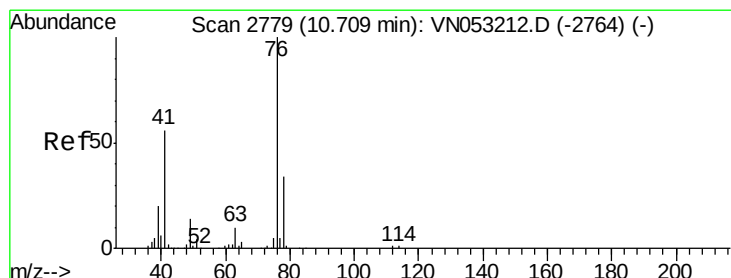
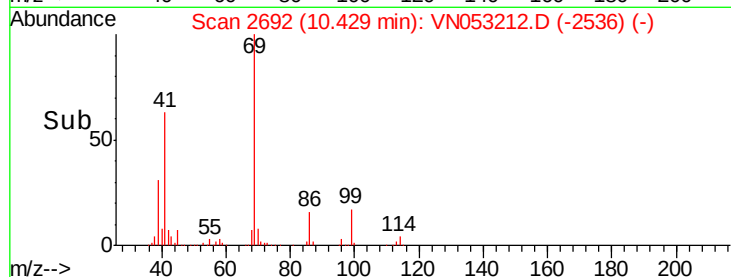
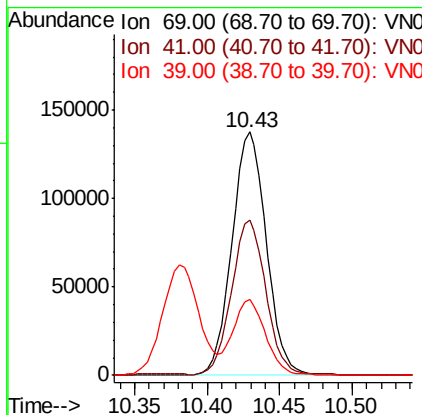
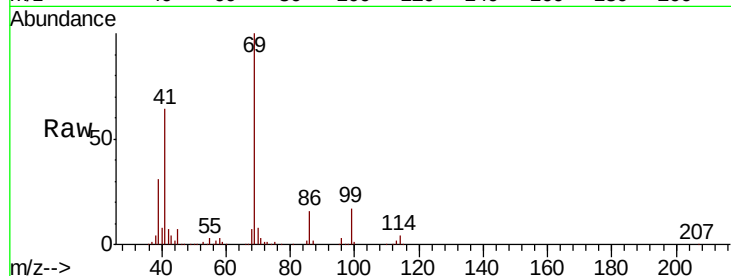
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	227198
Ion	Ratio	Lower	Upper
69	100		
41	63.3	34.4	103.3
39	30.7	16.4	49.2

Manual Integrations
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1/2/2019 9:48:00 AM



#52

1,3-Dichloropropane

Concen: 19.300 ug/l

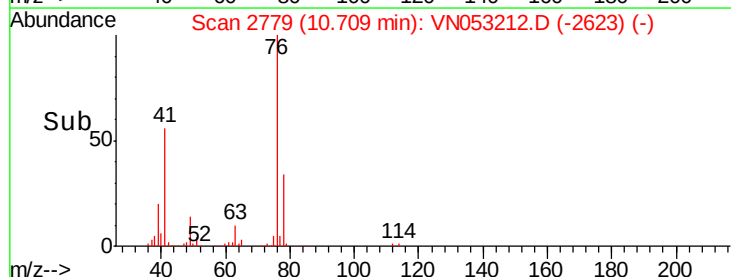
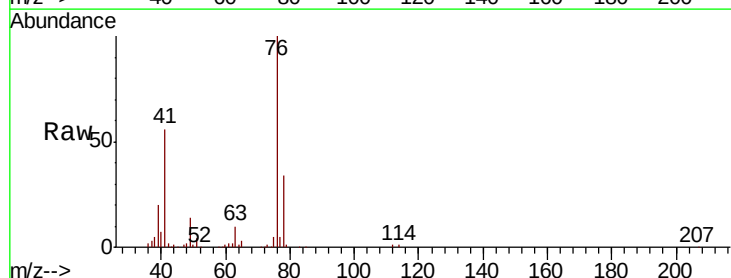
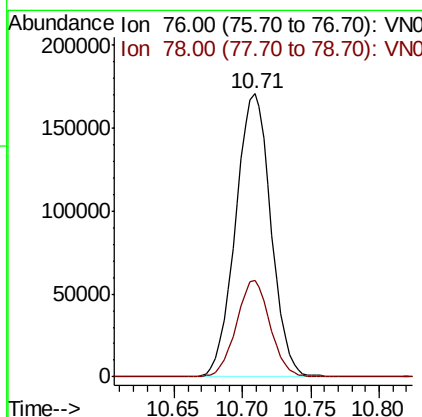
RT: 10.71 min Scan# 2779

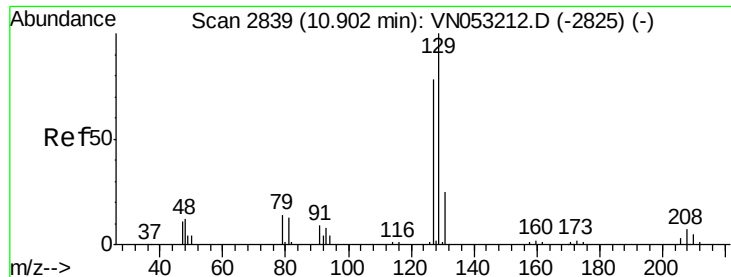
Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Tgt Ion:	76	Resp:	307601
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	64.8





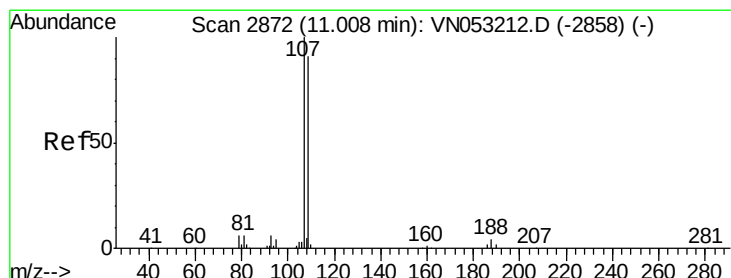
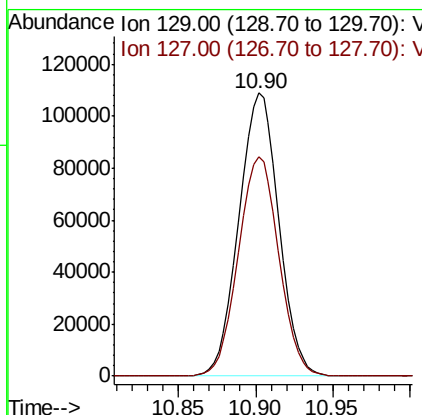
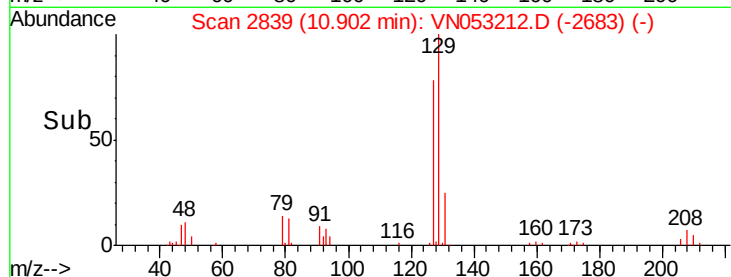
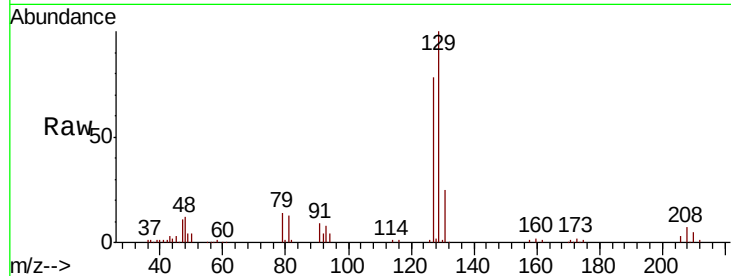
#53
 Dibromochloromethane
 Concen: 19.837 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.8	37.6	112.8

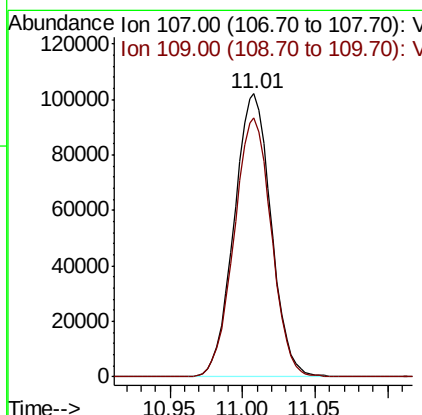
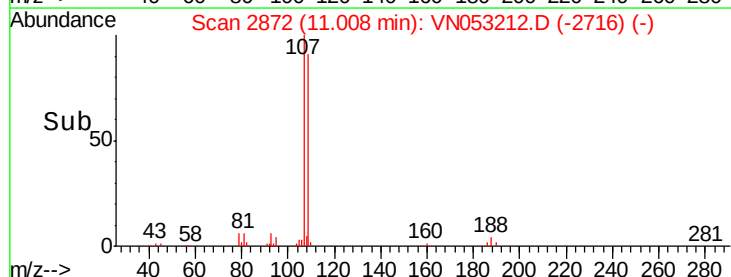
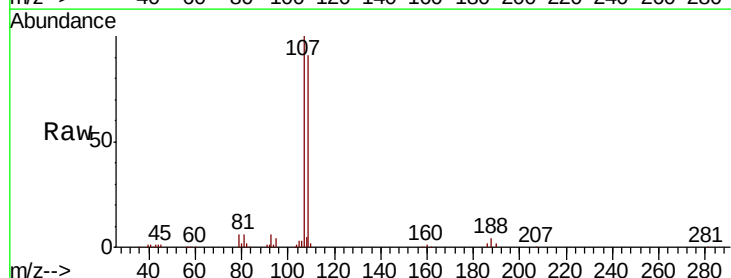
Manual Integrations
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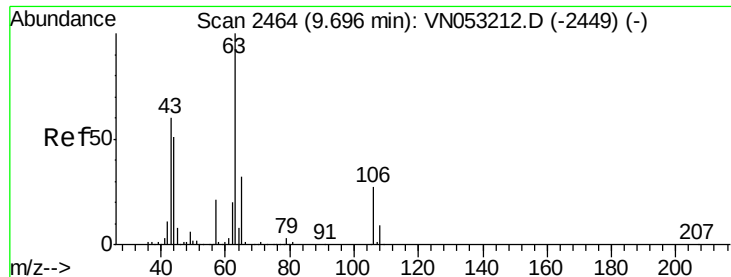
MMDadoda
 1/2/2019 9:48:00 AM



#54
 1,2-Dibromoethane
 Concen: 20.686 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	77.1	115.7





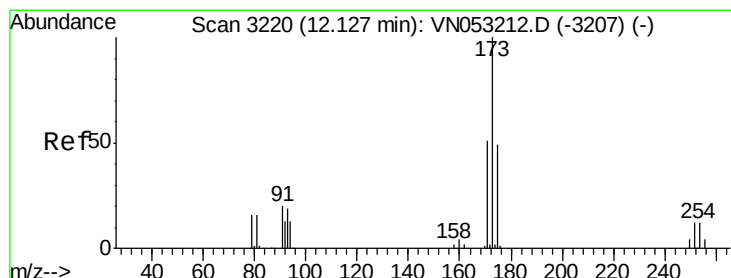
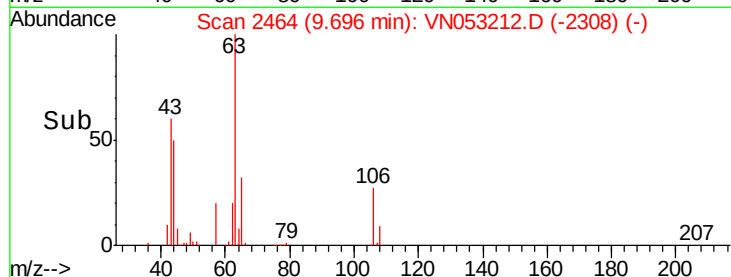
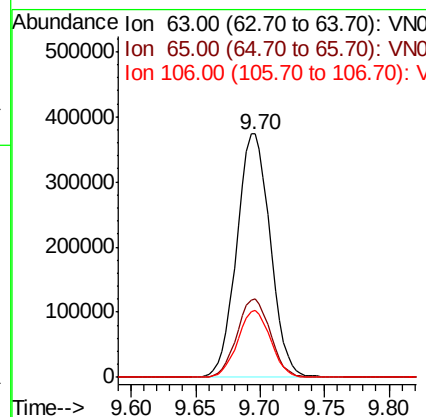
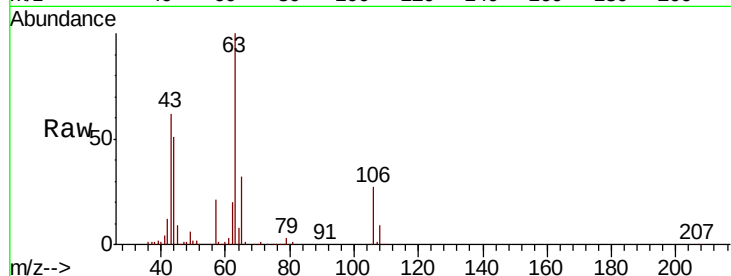
#55
2-Chloroethyl vinyl ether
Concen: 102.392 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	27.0	20.4	30.6

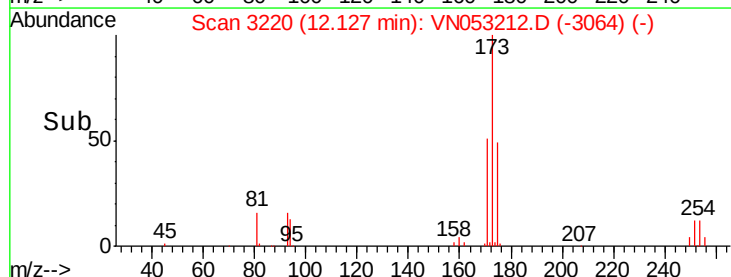
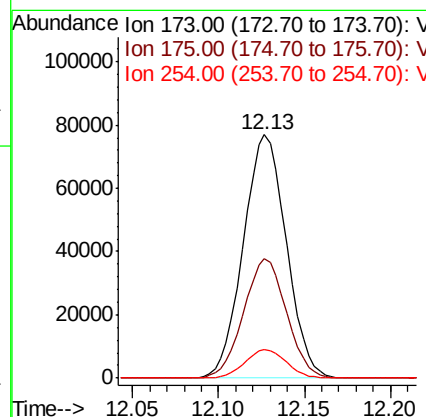
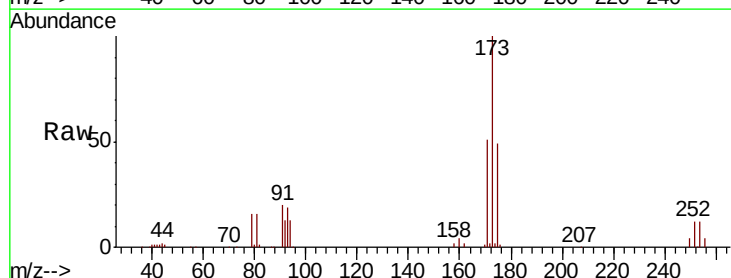
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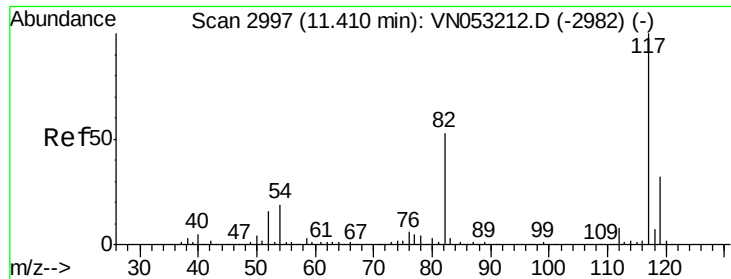
MMDadoda
1/2/2019 9:48:00 AM



#56
Bromoform
Concen: 20.711 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	11.4	8.4	12.6





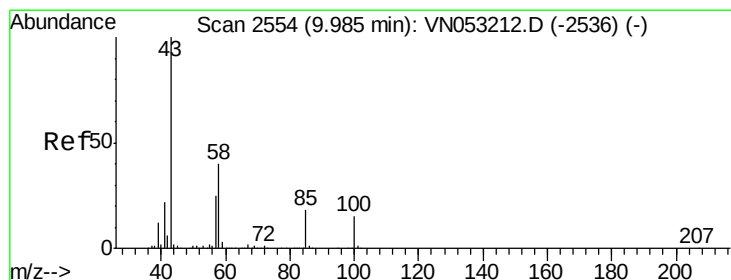
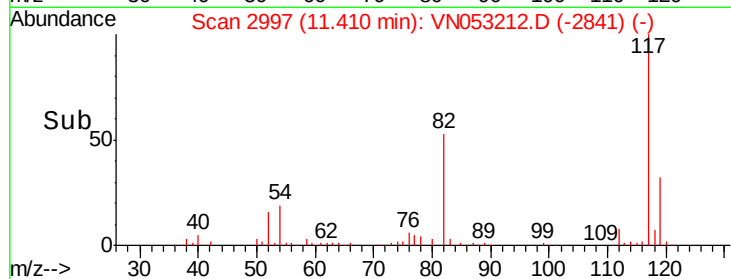
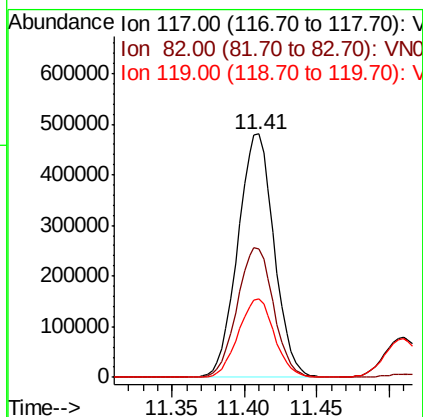
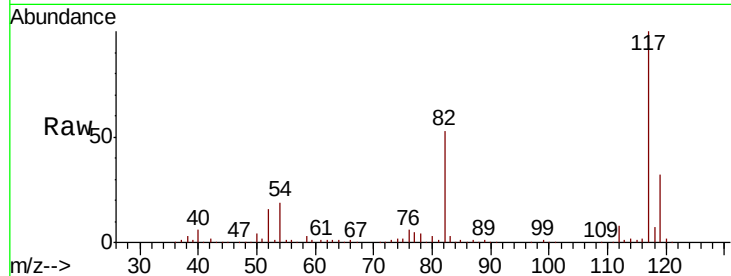
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	32.2	25.4	38.2

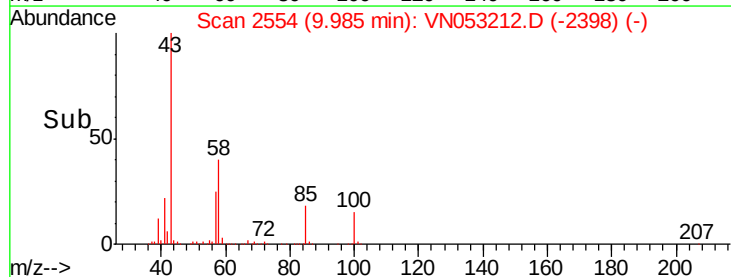
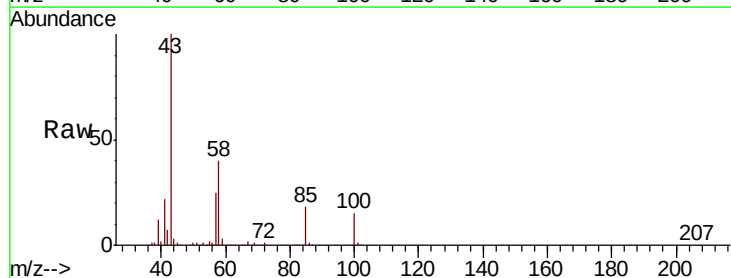
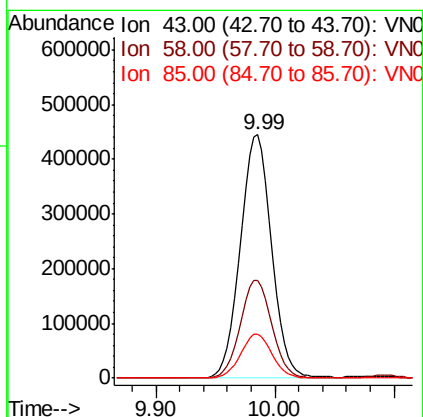
Manual Integrations
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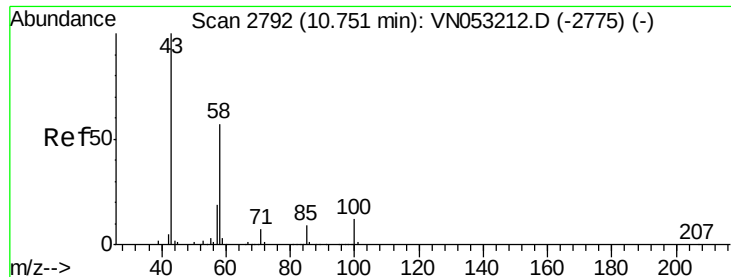
MMDadoda
1/2/2019 9:48:00 AM



#58
4-Methyl-2-Pentanone
Concen: 99.906 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4
85	18.1	13.3	19.9





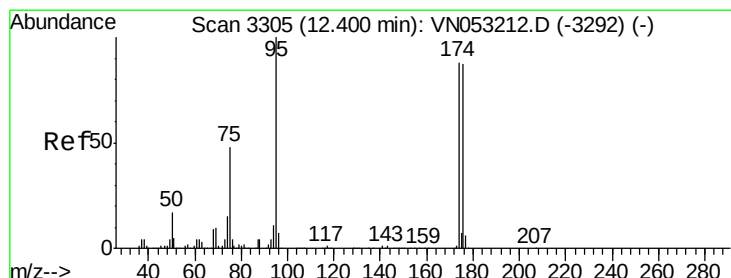
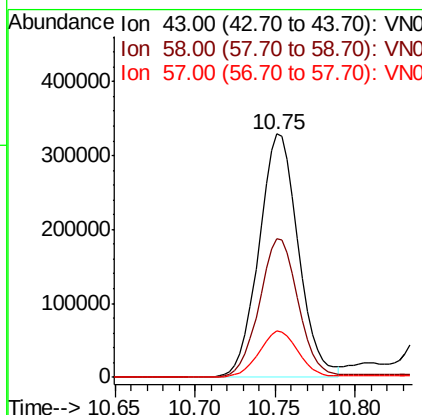
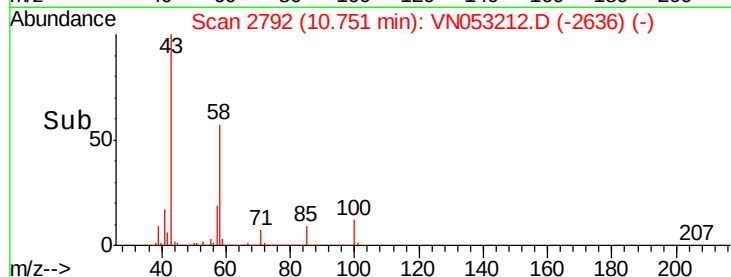
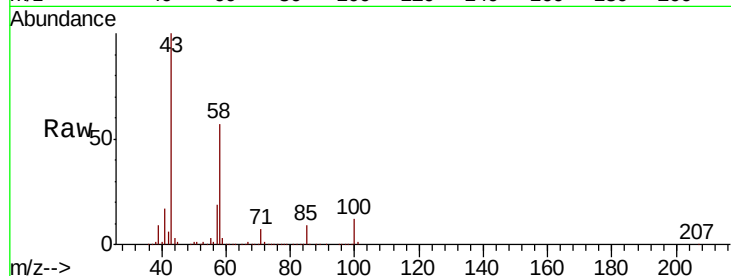
#59
2-Hexanone
Concen: 100.948 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
43	100	557587		
58	56.7		43.2	64.8
57	19.1		14.9	22.3

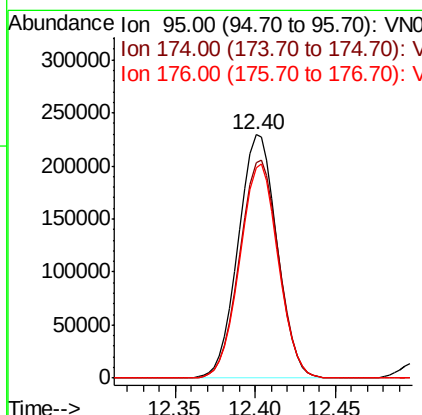
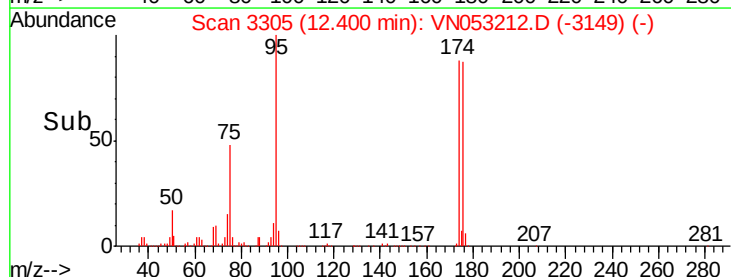
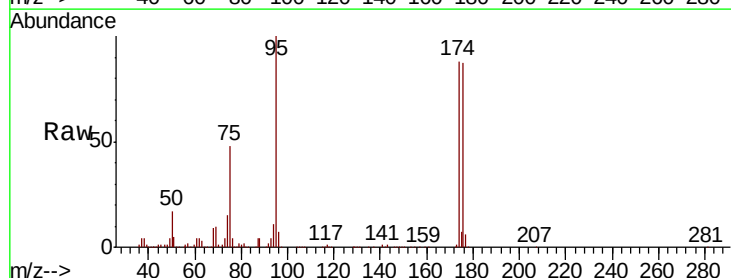
Manual Integrations
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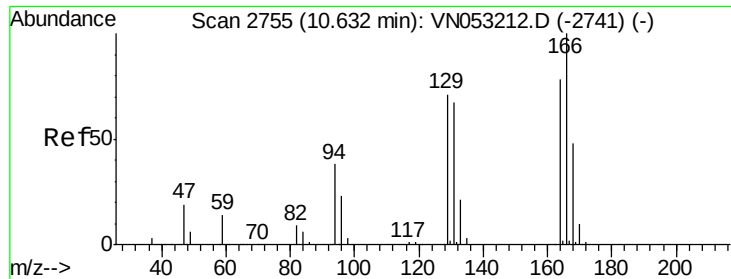
MMDadoda
1/2/2019 9:48:00 AM



#60
4-Bromofluorobenzene
Concen: 100.948 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	378988		
174	90.2		67.9	101.9
176	87.1		66.4	99.6





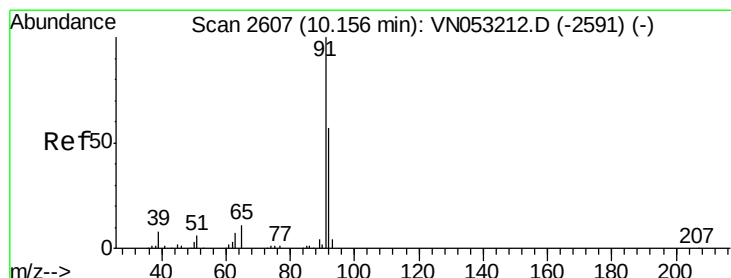
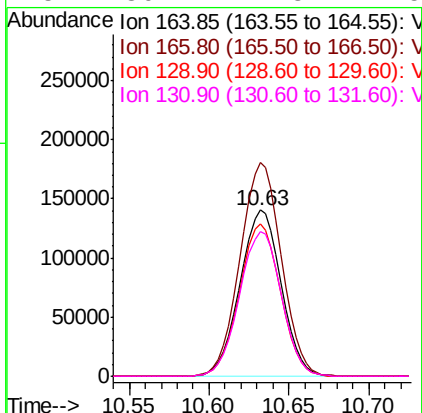
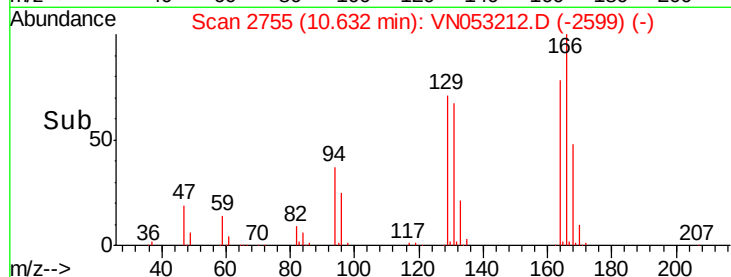
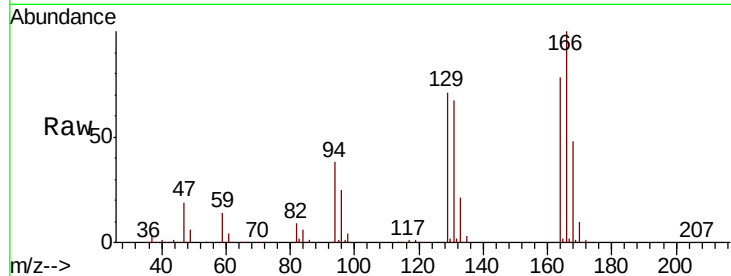
#61
Tetrachloroethene
Concen: 24.014 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.6	157.0
129	91.5	75.3	112.9
131	86.7	74.3	111.5

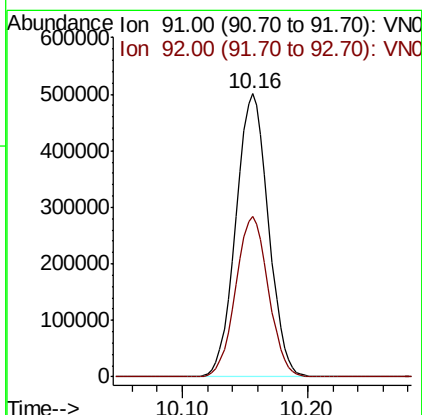
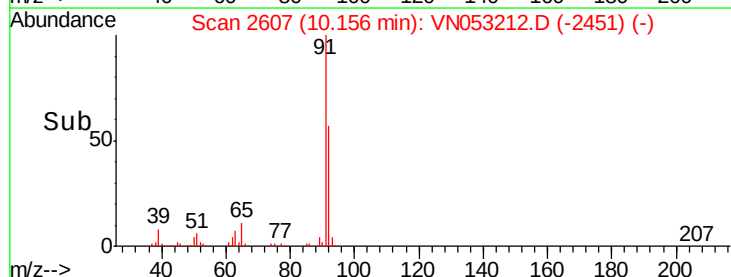
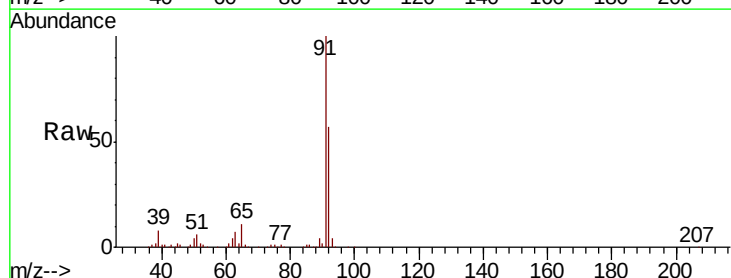
Manual Integrations
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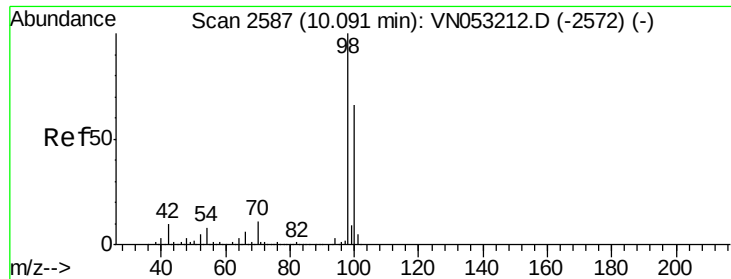
MMDadoda
1/2/2019 9:48:00 AM



#62
Toluene
Concen: 19.663 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.2





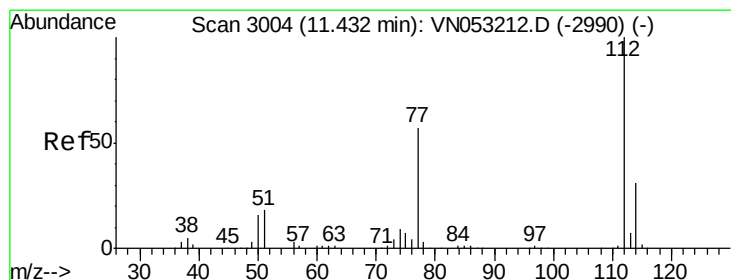
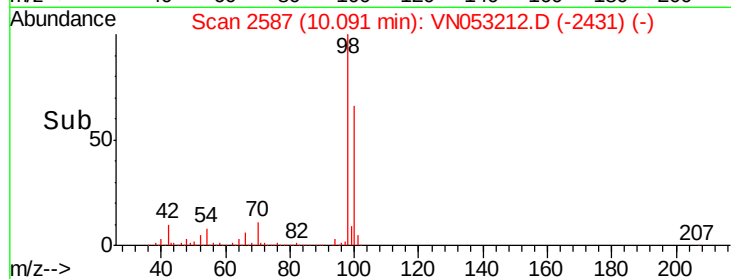
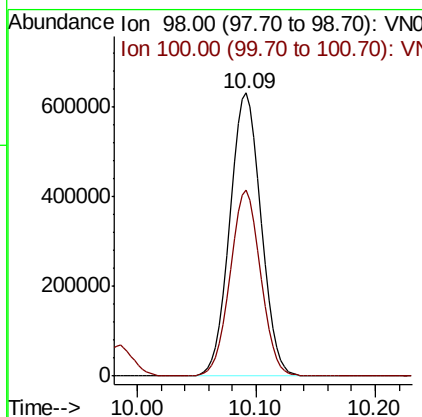
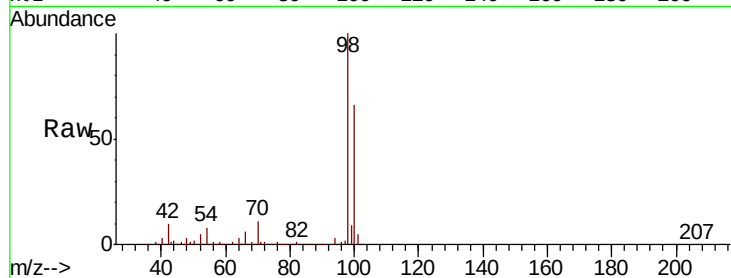
#63
Toluene-d8
Concen: 19.663 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 1145002
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

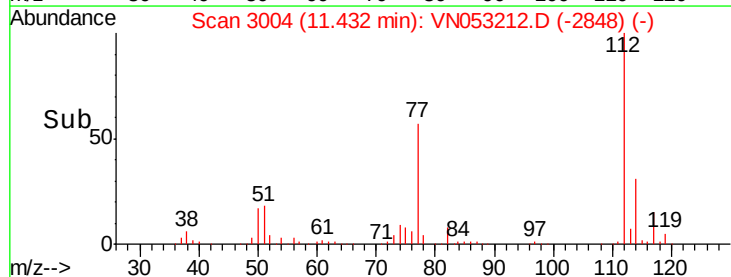
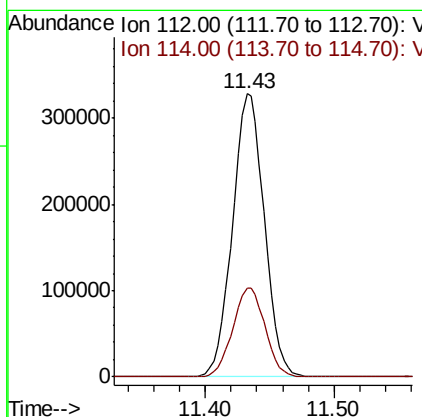
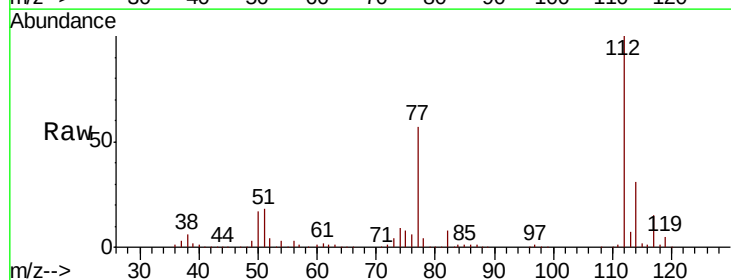
Manual Integrations
APPROVED

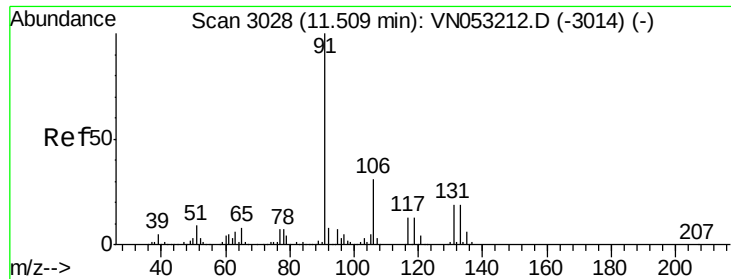
MMDadoda
1/2/2019 9:48:00 AM



#64
Chlorobenzene
Concen: 20.005 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion: 112 Resp: 561407
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.267 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

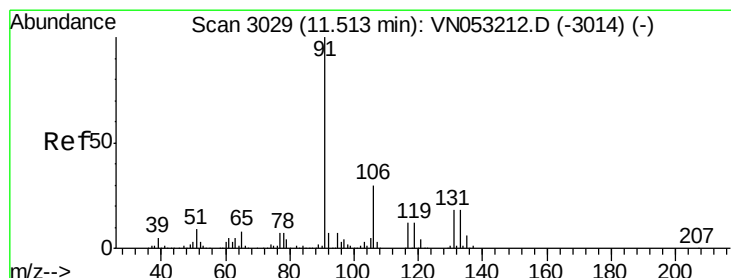
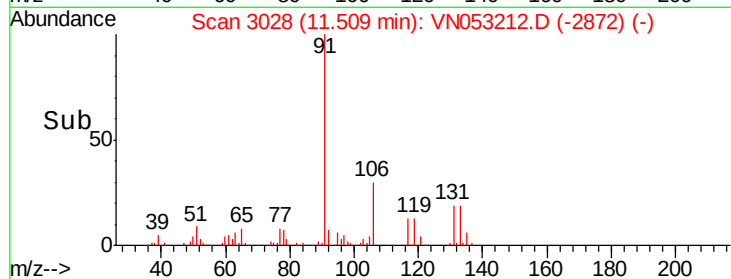
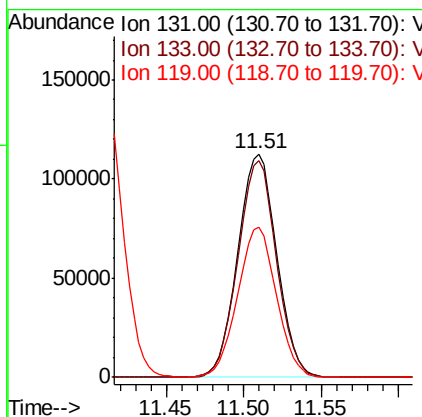
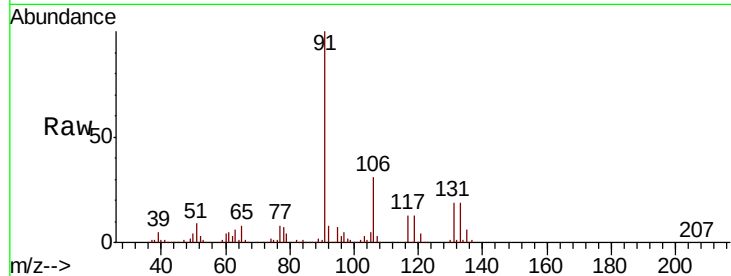
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	197425
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	193.4
119	66.9	0.0	133.0

Manual Integrations
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1/2/2019 9:48:00 AM



#66

Ethyl Benzene

Concen: 19.639 ug/l

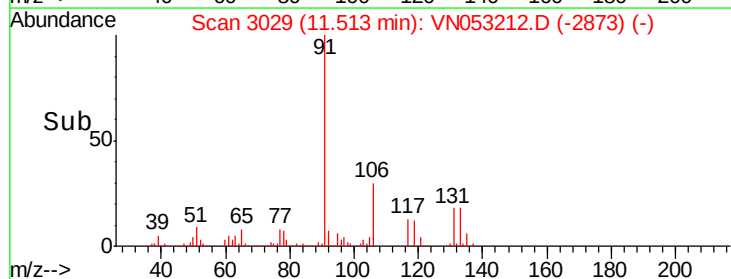
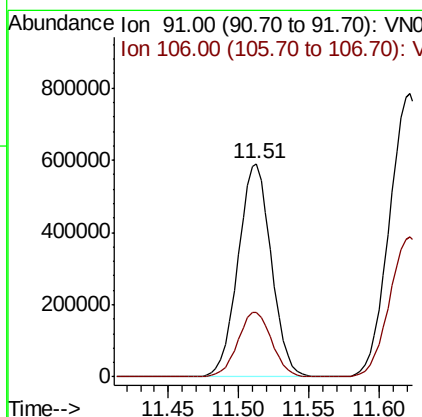
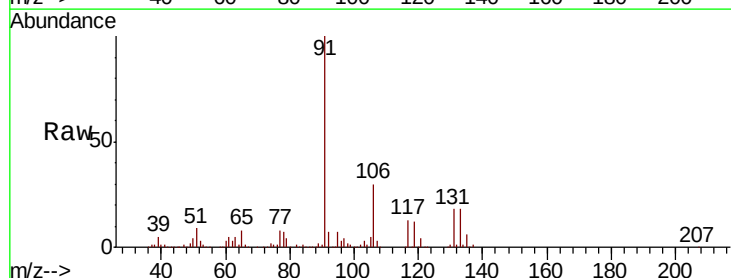
RT: 11.51 min Scan# 3029

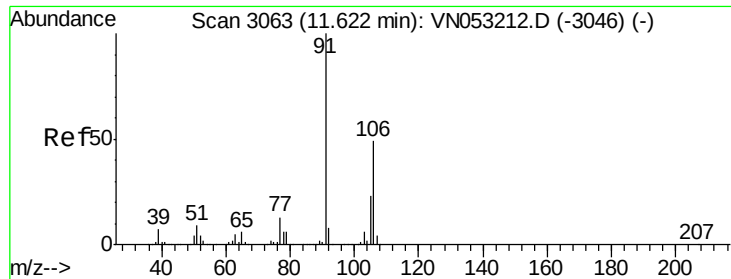
Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Tgt Ion:	91	Resp:	973195
Ion Ratio	Lower	Upper	
91	100		
106	30.4	24.3	36.5





#67

m/p-Xylenes

Concen: 40.113 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:106 Resp: 740542

Ion Ratio Lower Upper

106 100

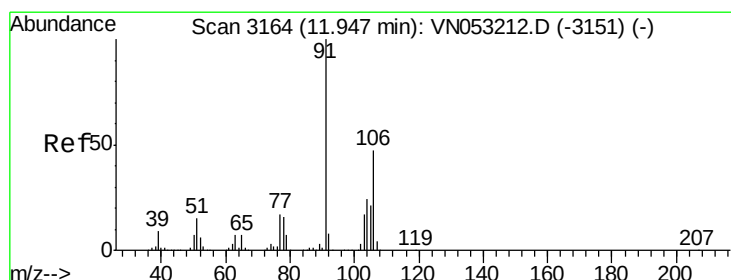
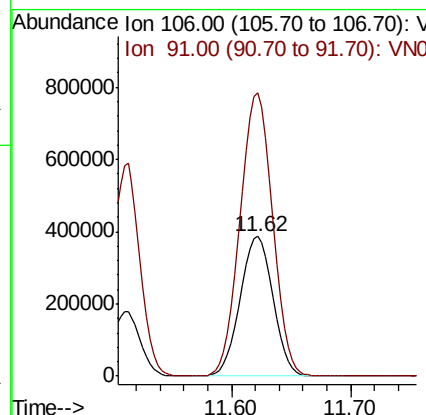
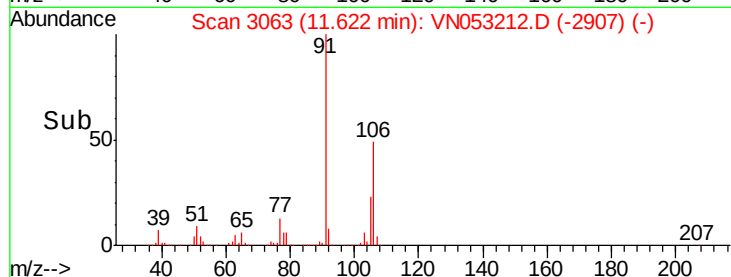
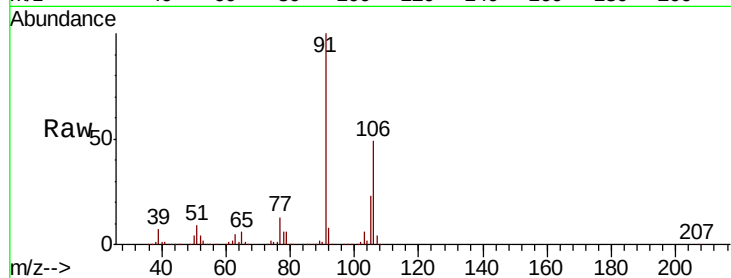
91 201.2 163.9 245.9

Manual Integrations

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1/2/2019 9:48:00 AM



#68

o-Xylene

Concen: 20.058 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053212.D

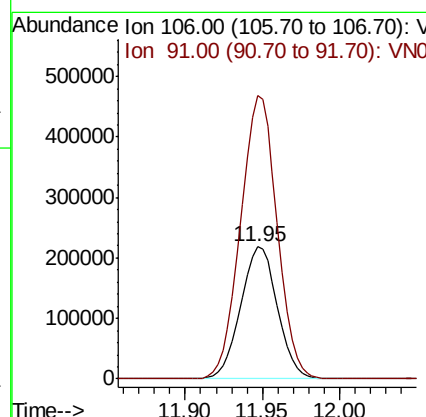
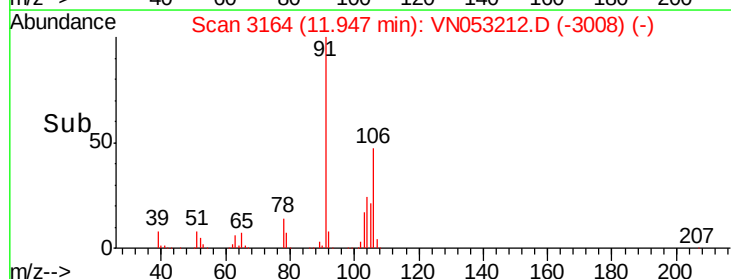
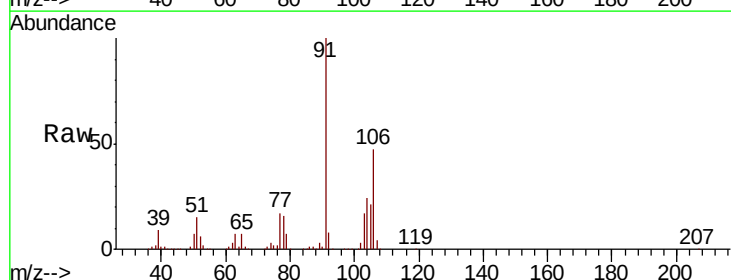
Acq: 28 Dec 2018 8:55

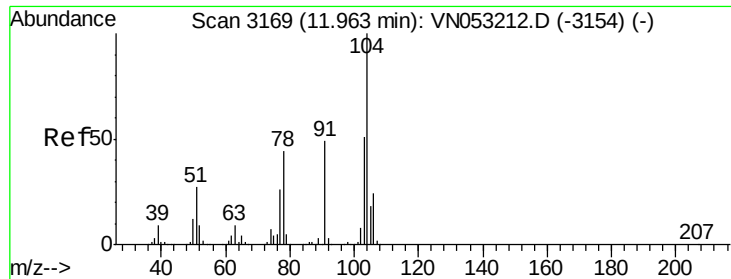
Tgt Ion:106 Resp: 359417

Ion Ratio Lower Upper

106 100

91 213.8 107.8 323.4





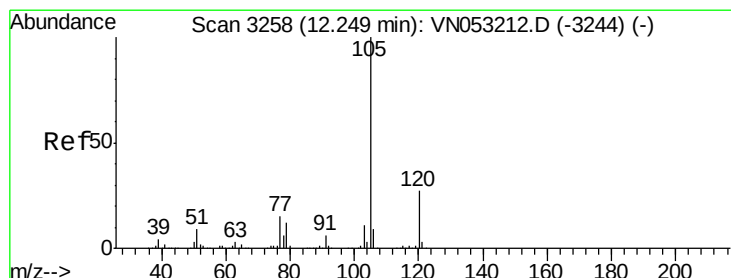
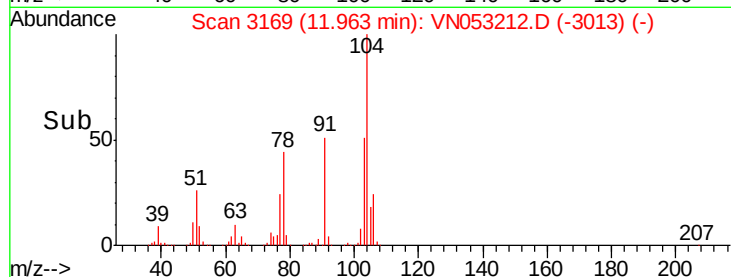
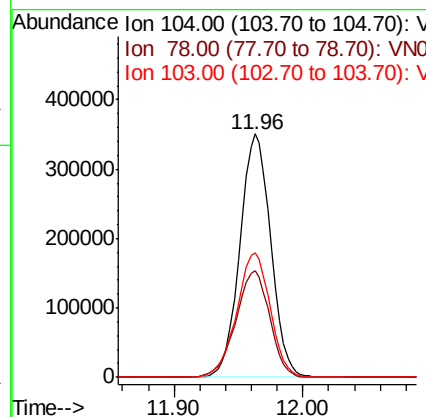
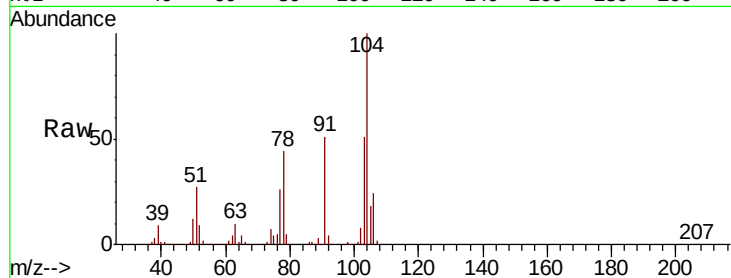
#69
Stvrene
Concen: 20.145 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	582639		
78	48.3		39.3	58.9
103	55.6		44.6	66.8

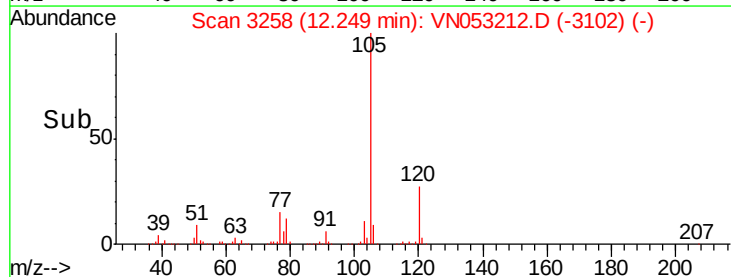
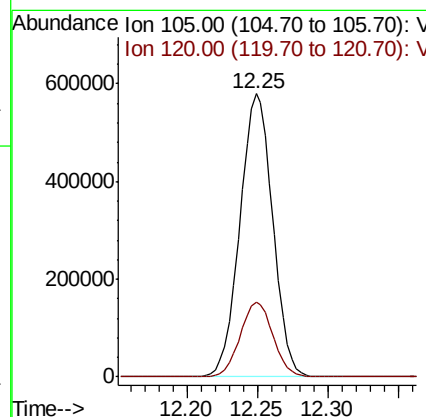
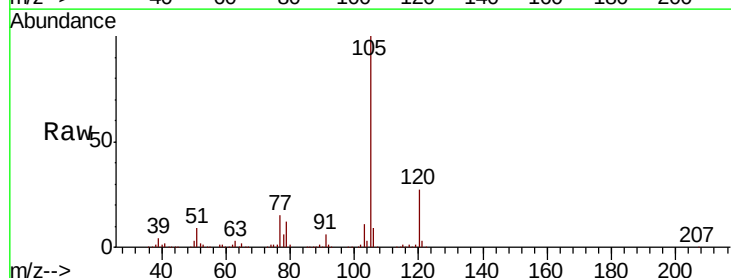
Manual Integrations
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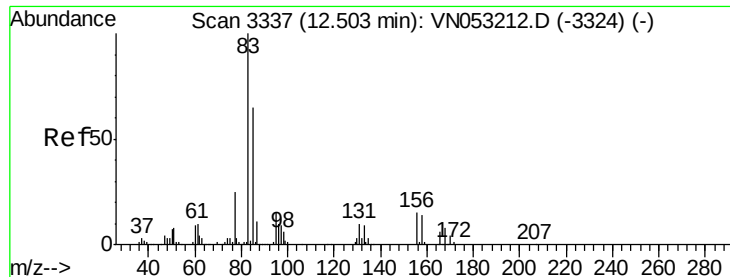
MMDadoda
1/2/2019 9:48:00 AM



#70
Isopropylbenzene
Concen: 19.754 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	941779		
120	26.5		18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.166 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 198770

Ion Ratio Lower Upper

83 100

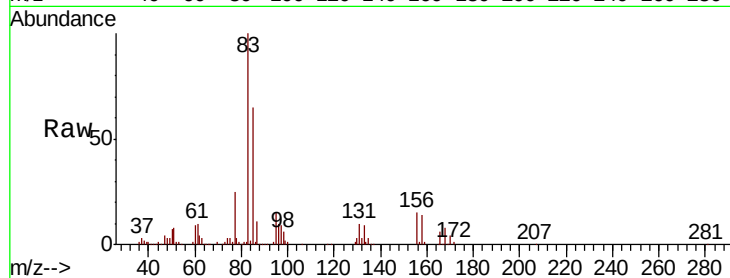
131 10.7 4.9 14.6

85 65.0 32.2 96.6

Manual Integrations
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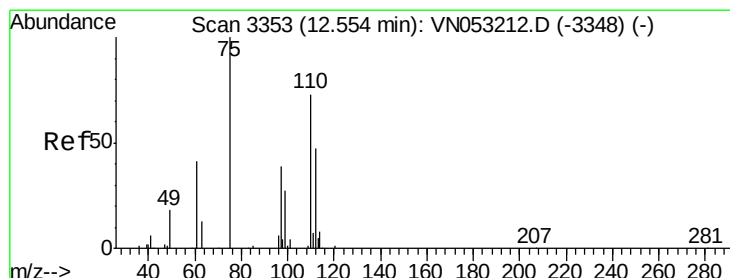
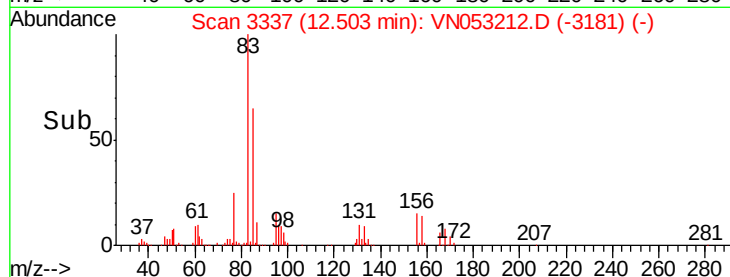
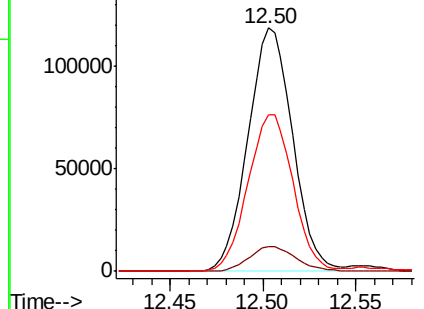
1/2/2019 9:48:00 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 20.391 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053212.D

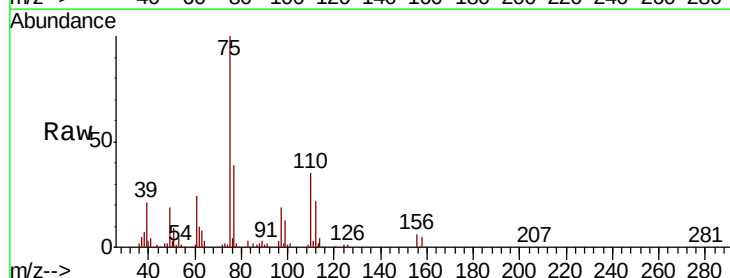
Acq: 28 Dec 2018 8:55

Tgt Ion: 75 Resp: 181540

Ion Ratio Lower Upper

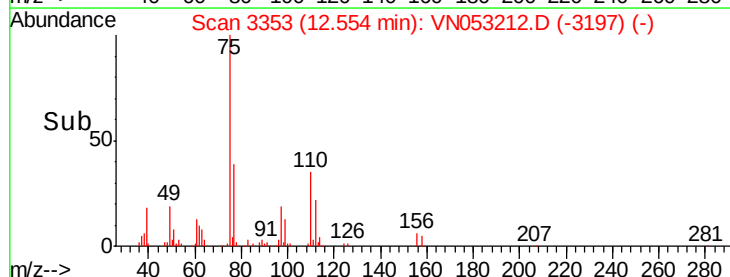
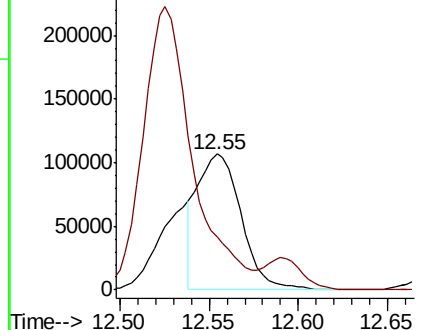
75 100

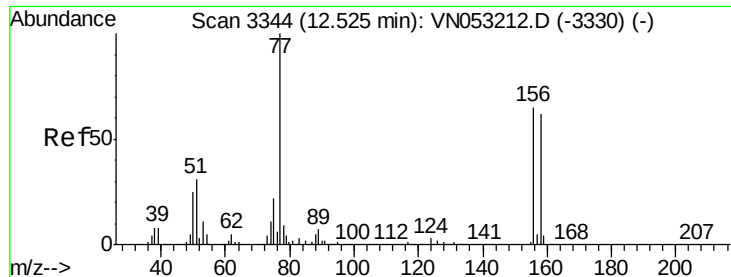
77 237.9 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 21.174 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

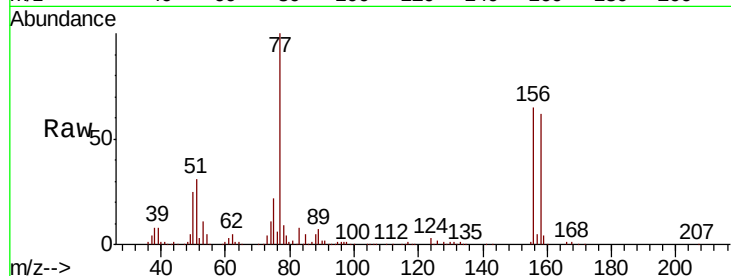
ClientSampleId :

VSTDICCC020

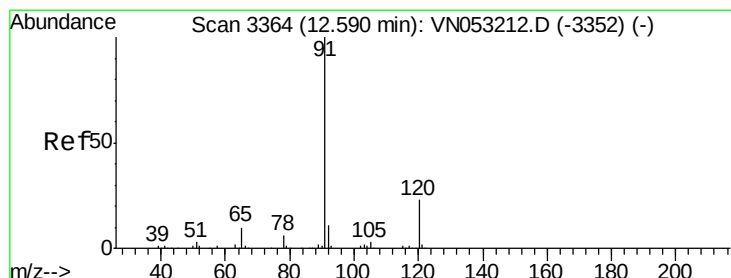
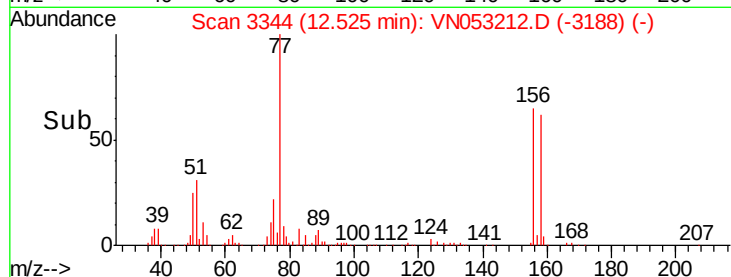
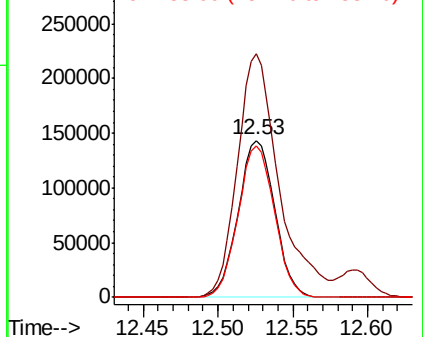
Tot Ion:	156	Resp:	244155
Ion Ratio	Lower	Upper	
156	100		
77	176.9	0.0	382.6
158	96.0	0.0	196.8

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.075 ug/l

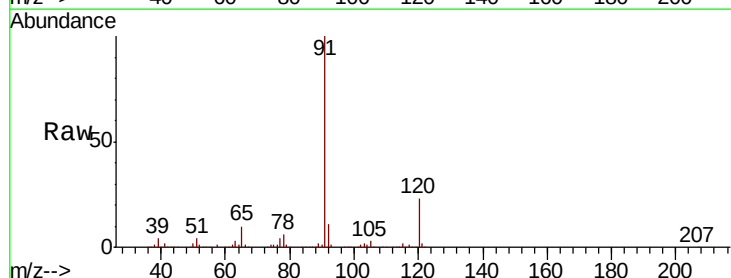
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

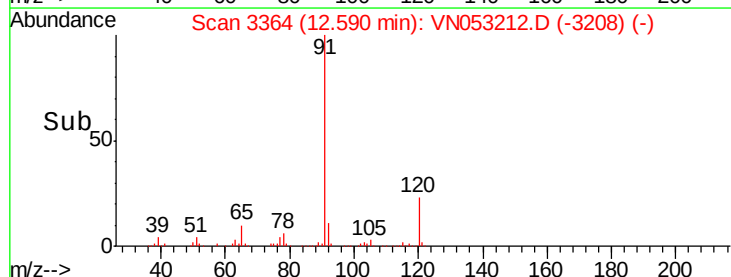
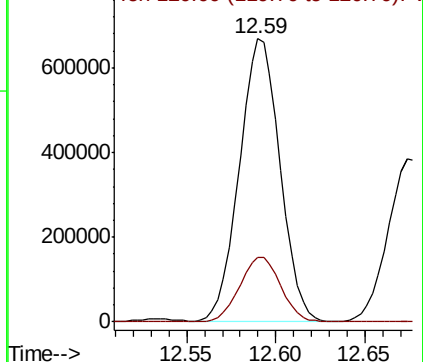
Lab File: VN053212.D

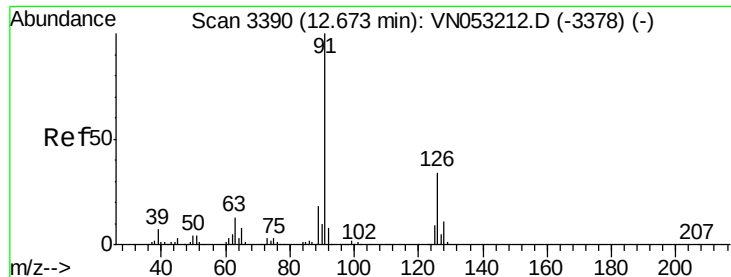
Acq: 28 Dec 2018 8:55

Tgt Ion:	91	Resp:	1059593
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	44.6



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.780 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 637784

Ion Ratio Lower Upper

91 100

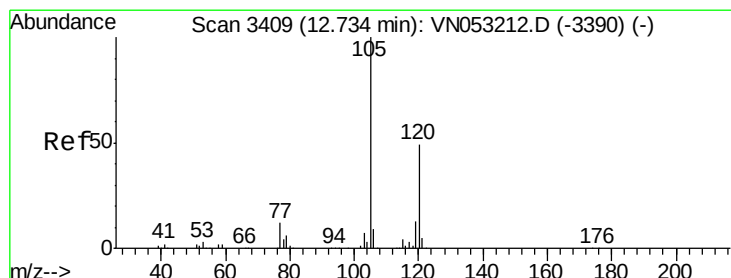
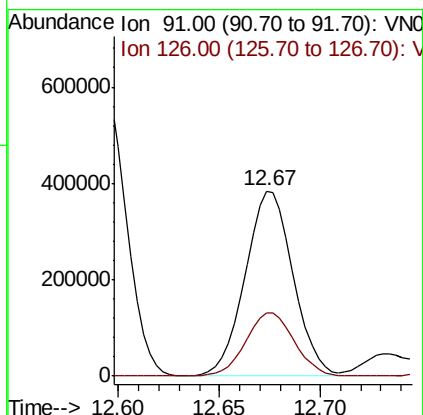
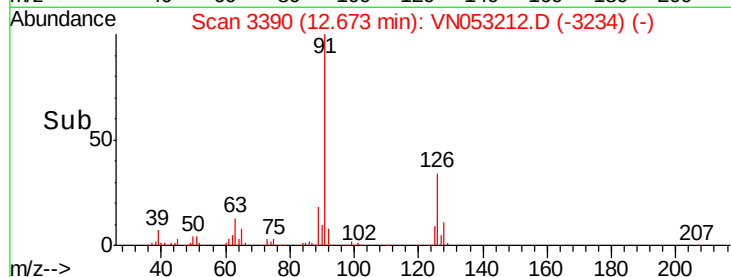
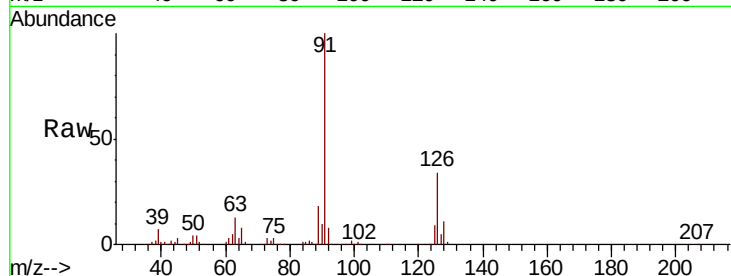
126 34.7 0.0 68.4

Manual Integrations

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1/2/2019 9:48:00 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.527 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053212.D

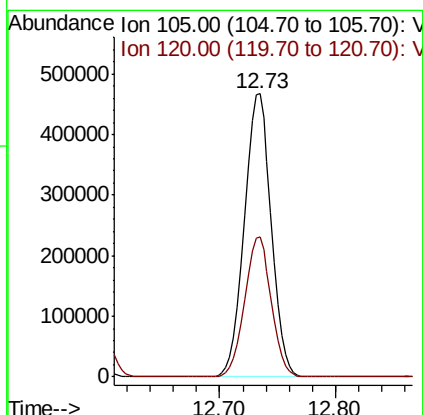
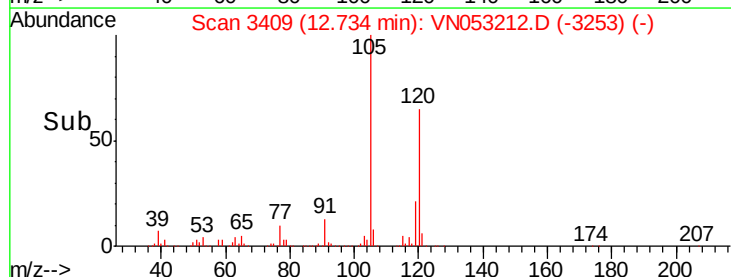
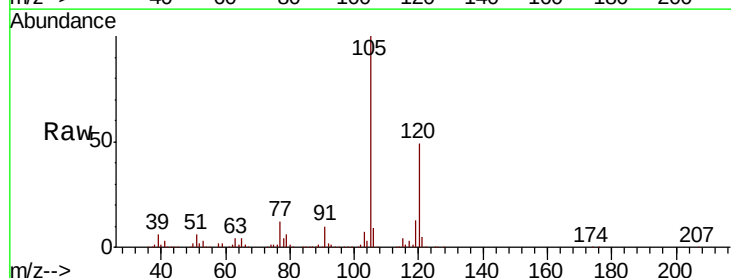
Acq: 28 Dec 2018 8:55

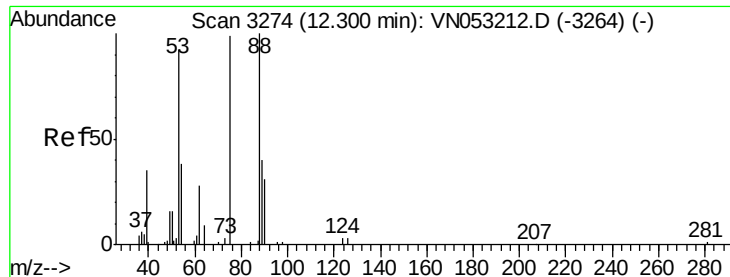
Tgt Ion: 105 Resp: 751938

Ion Ratio Lower Upper

105 100

120 49.0 0.0 97.4





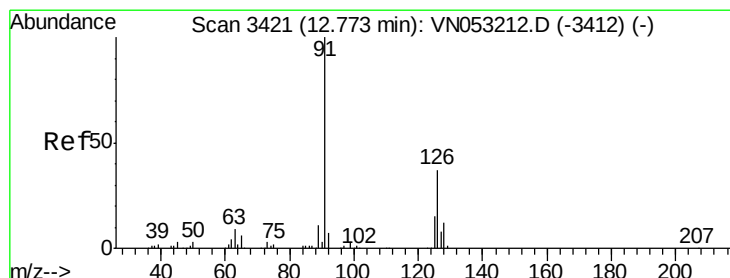
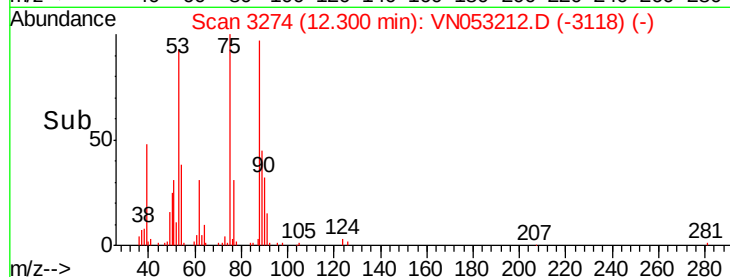
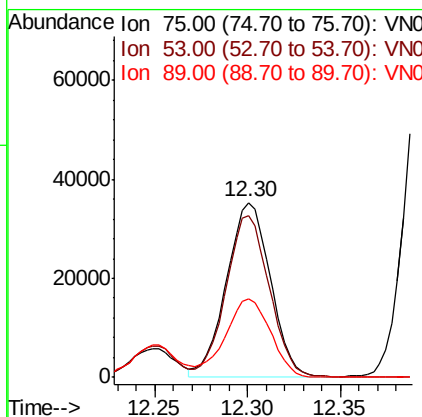
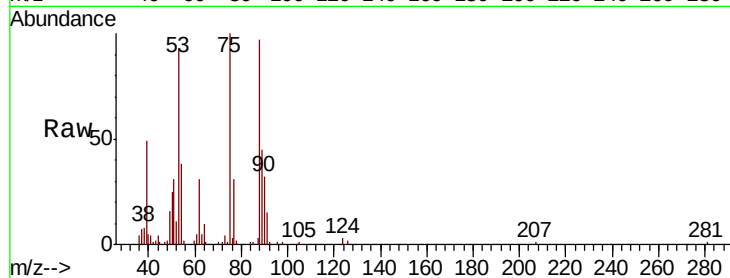
#77
t-1,4-Dichloro-2-butene
Concen: 20.663 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	48.5	145.6
89	44.8	21.7	65.1

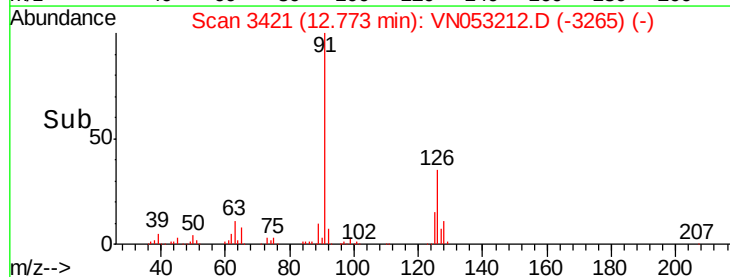
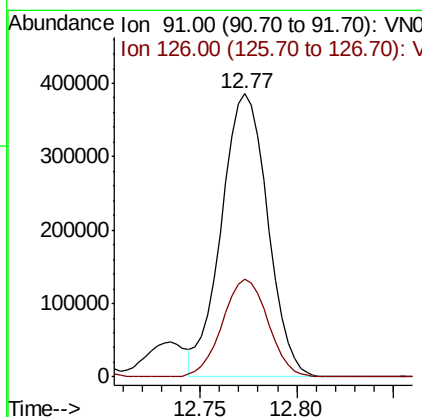
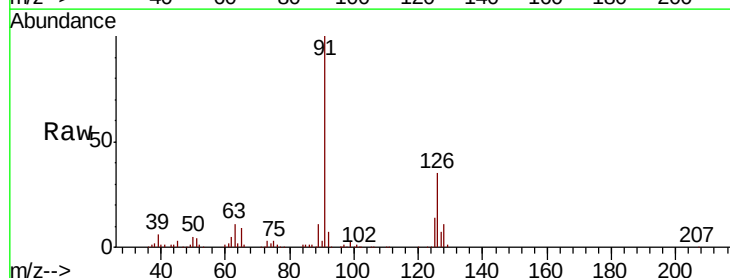
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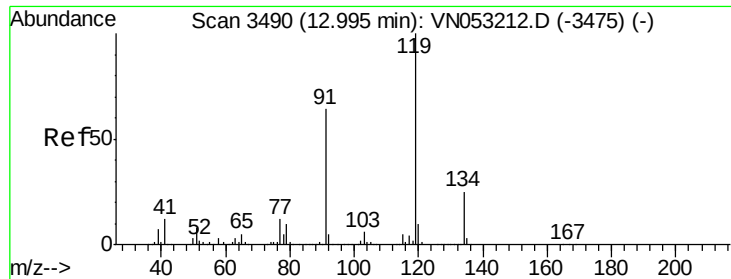
MMDadoda
1/2/2019 9:48:00 AM



#78
4-Chlorotoluene
Concen: 19.908 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	0.0	68.2





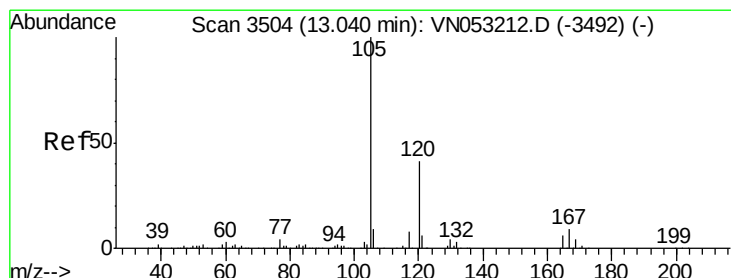
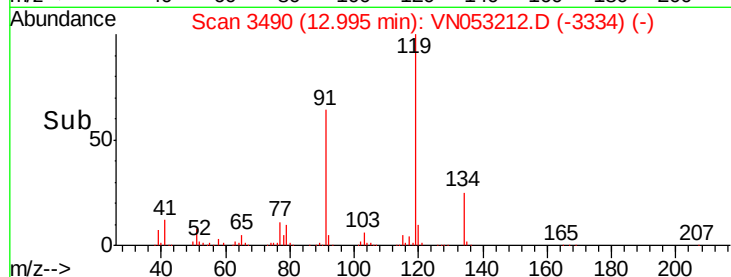
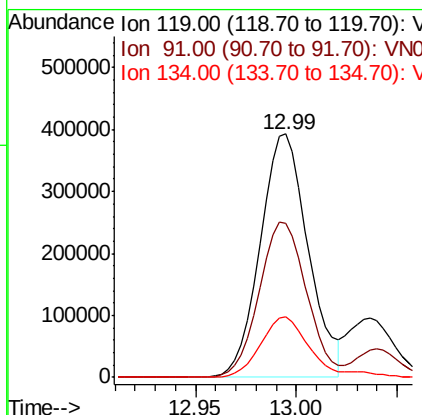
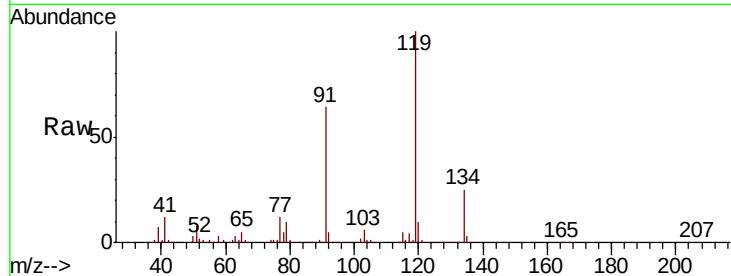
#79
tert-butylbenzene
Concen: 19.431 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	651648		
91	62.9	0.0	129.8	
134	24.7	0.0	52.2	

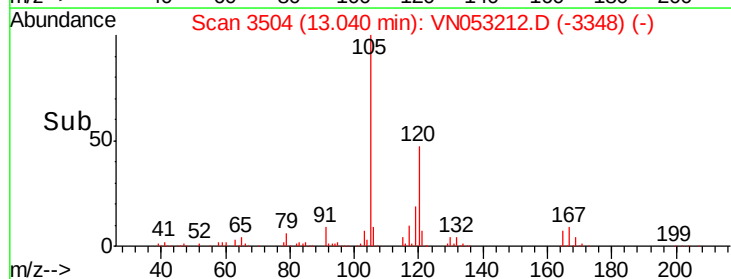
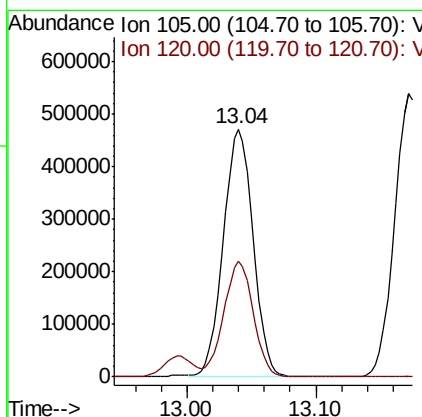
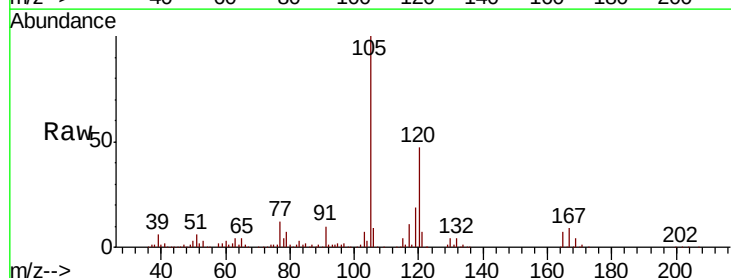
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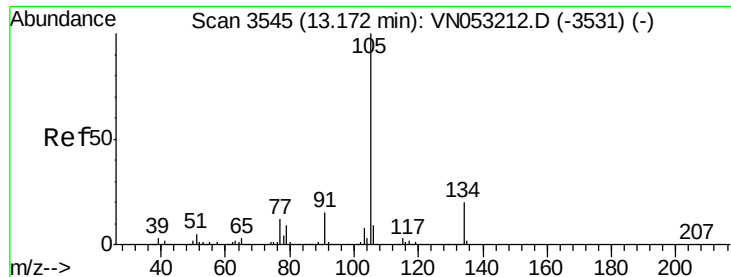
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#80
1,2,4-Trimethylbenzene
Concen: 19.562 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	753751		
120	46.2	0.0	91.0	





#81

sec-Butylbenzene

Concen: 18.289 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 854320

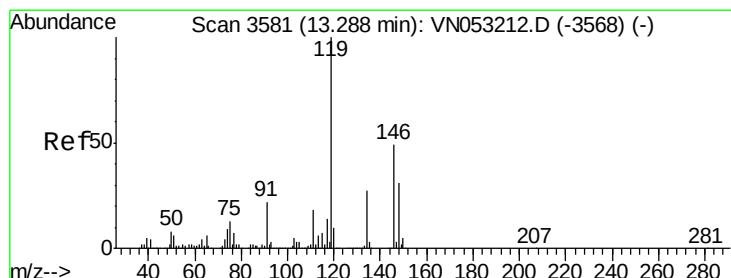
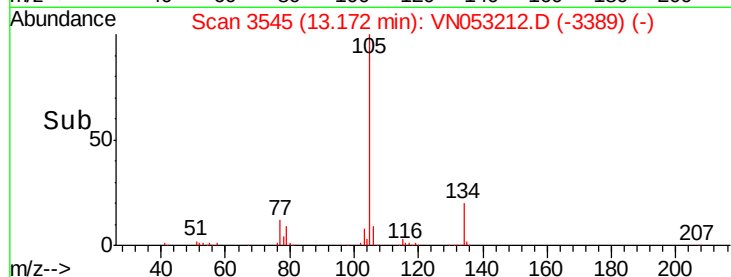
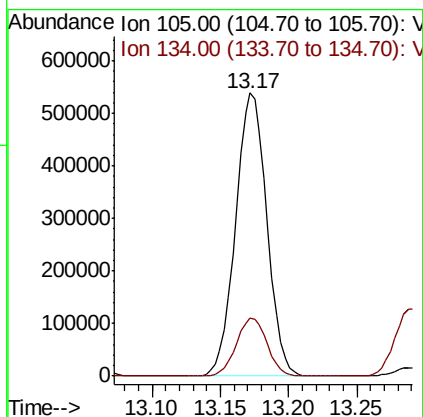
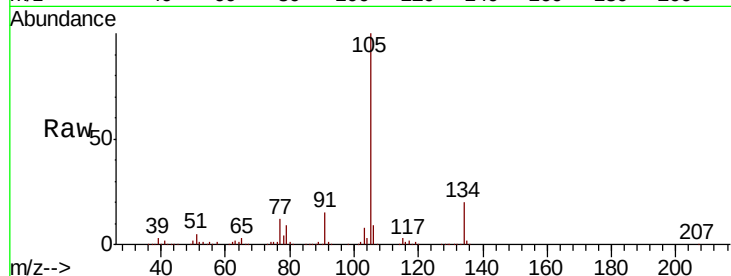
Ion Ratio Lower Upper

105 100

134 20.3 0.0 40.4

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#82

p-Isopropyltoluene

Concen: 18.732 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

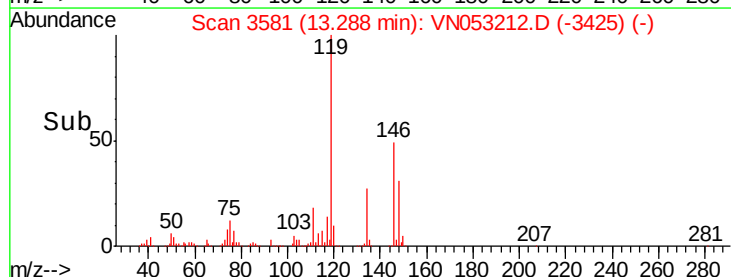
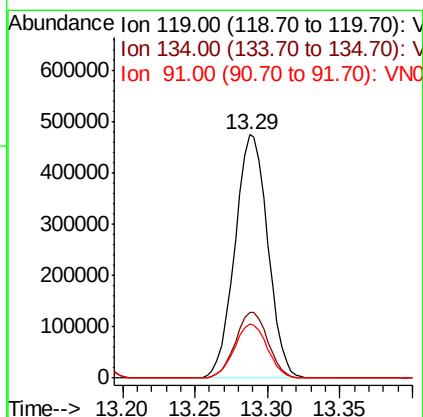
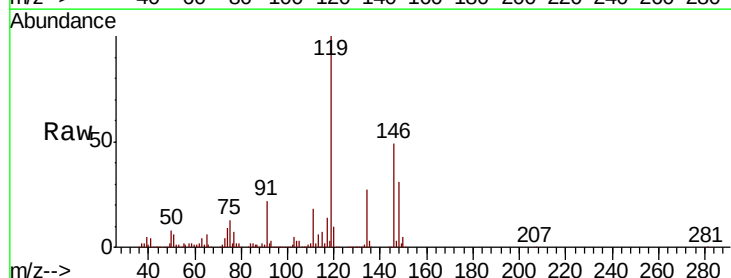
Tgt Ion:119 Resp: 745091

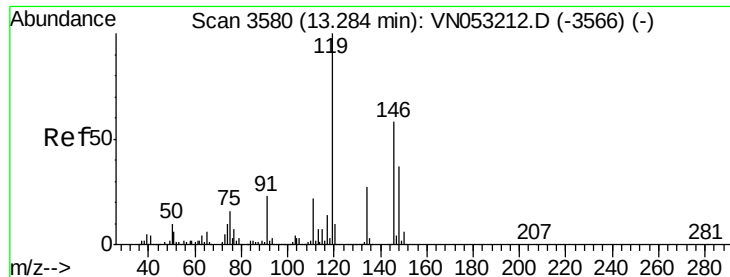
Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

91 22.3 0.0 46.2





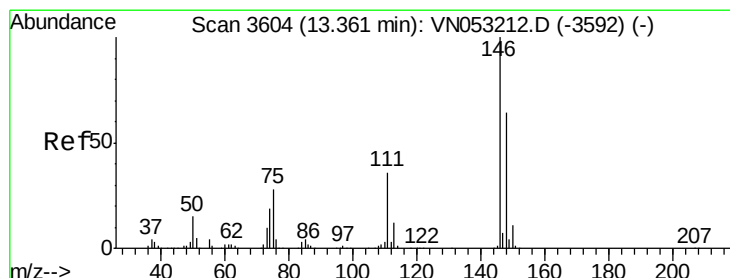
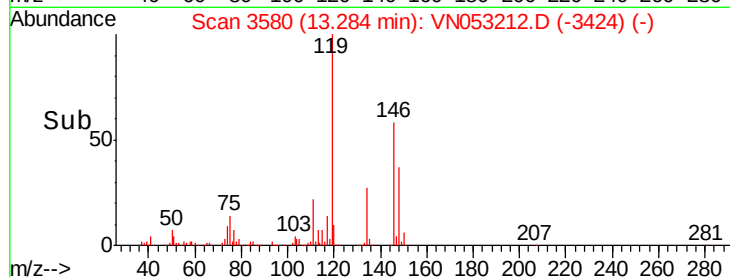
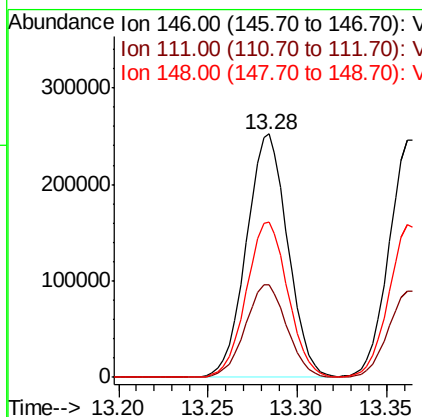
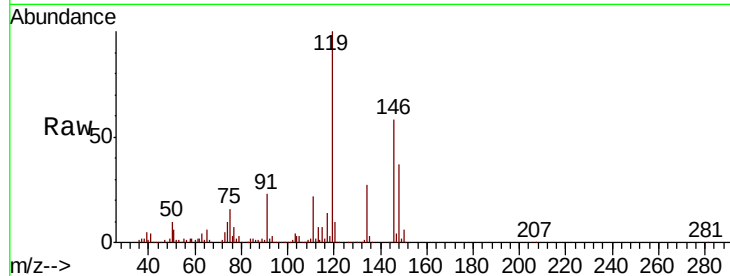
#83
 1,3-Dichlorobenzene
 Concen: 20.197 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	64.1	32.3	96.8

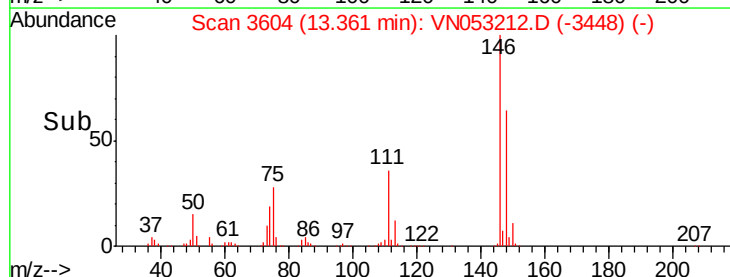
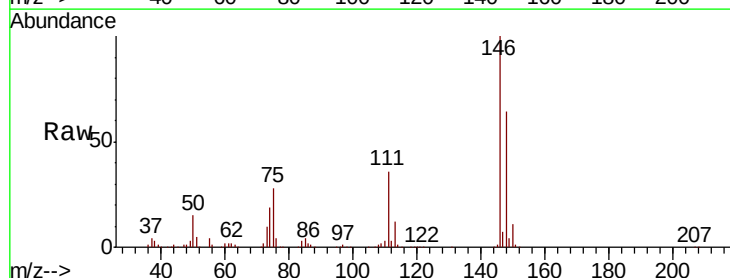
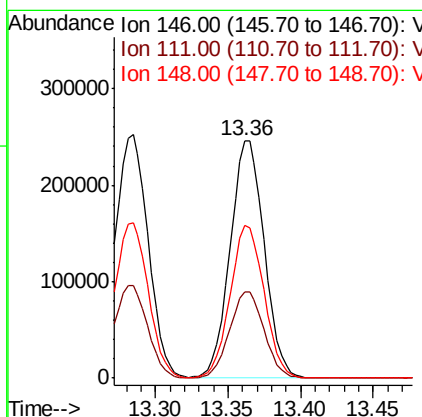
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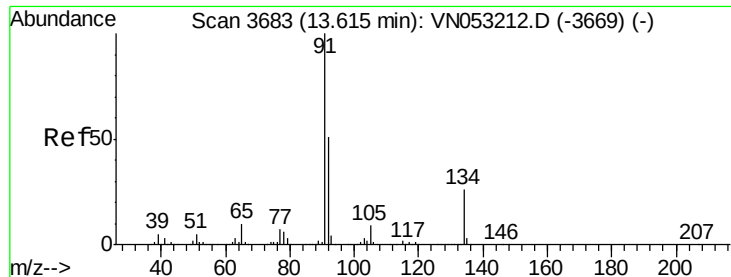
MMDadoda
 1/2/2019 9:48:00 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.390 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	64.1	32.5	97.4





#85

n-Butylbenzene

Concen: 17.413 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

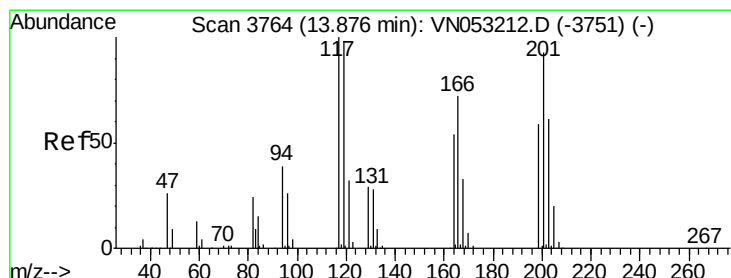
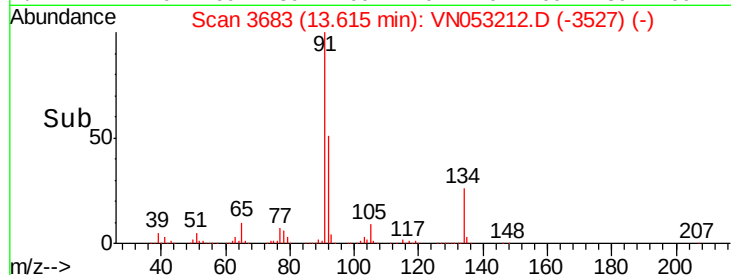
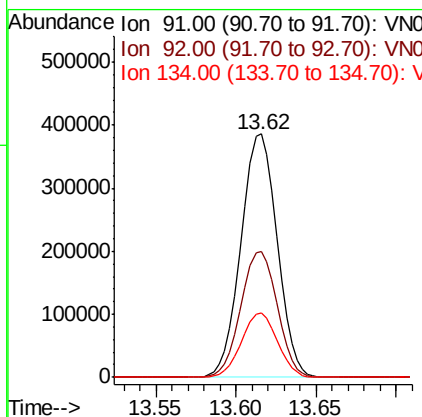
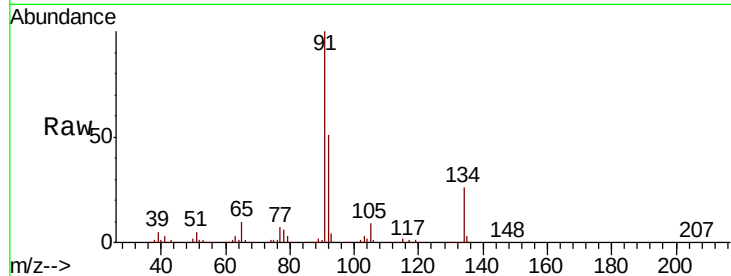
ClientSampled :

VSTDICCC020

Tot Ion:	91	Resp:	594940
Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	104.2
134	26.3	0.0	50.6

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#86

Hexachloroethane

Concen: 17.097 ug/l

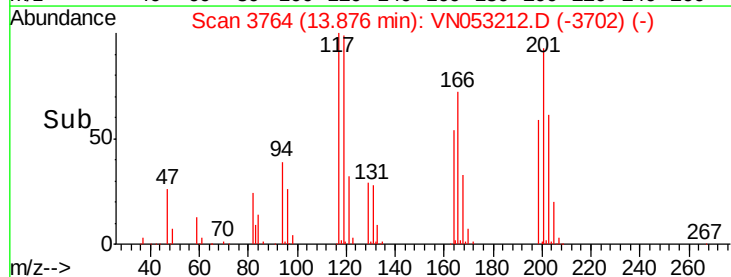
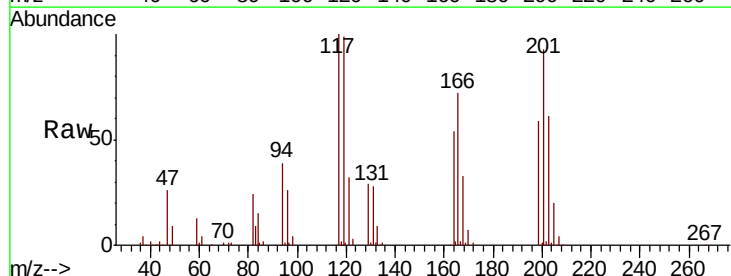
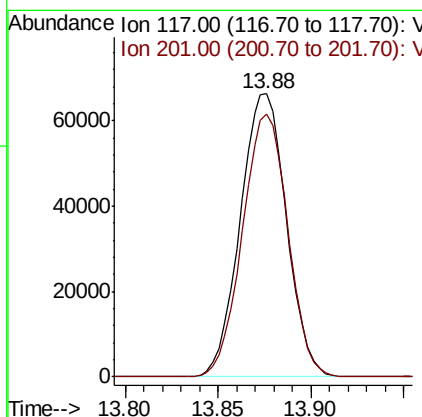
RT: 13.88 min Scan# 3764

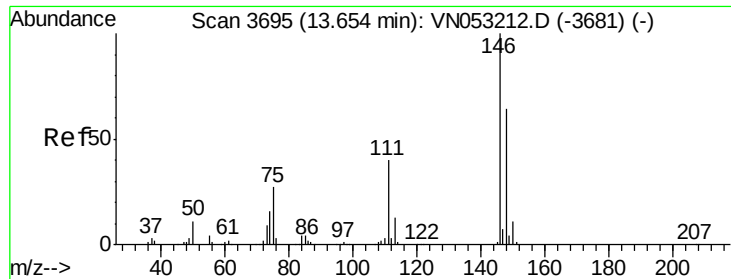
Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Tgt Ion:	117	Resp:	115224
Ion	Ratio	Lower	Upper
117	100		
201	91.5	43.8	131.3





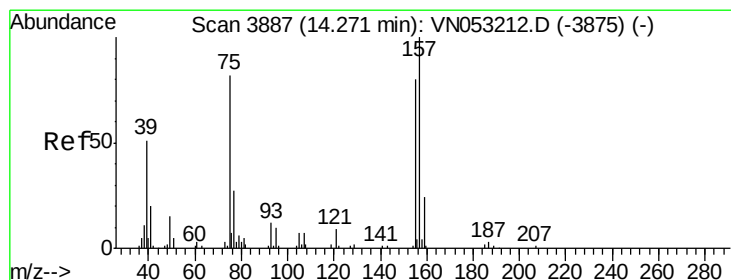
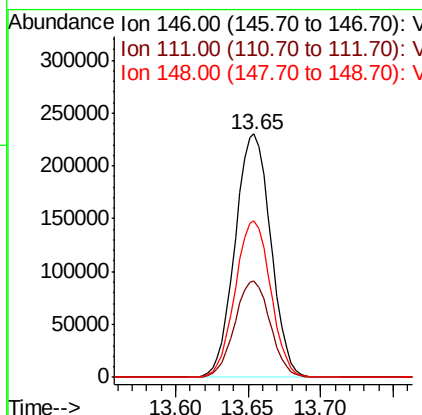
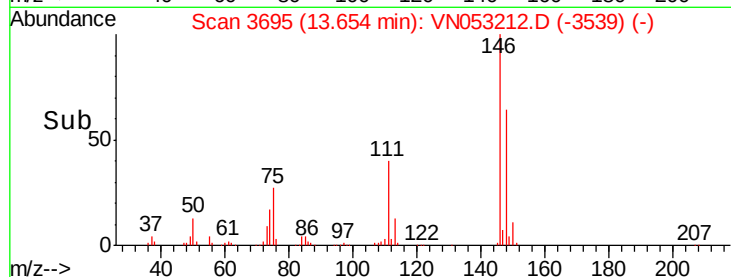
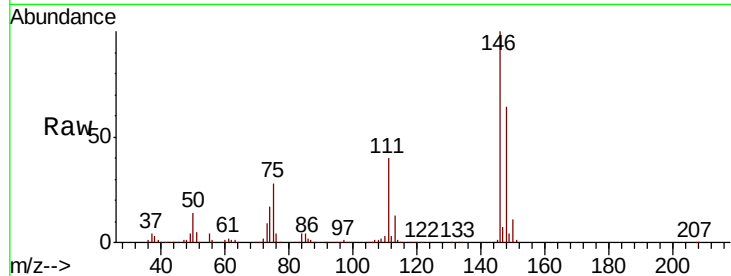
#87
 1,2-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	63.9	32.1	96.5

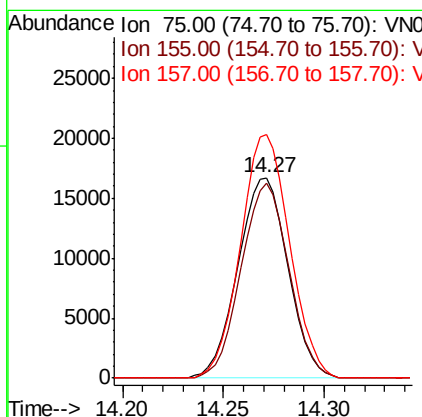
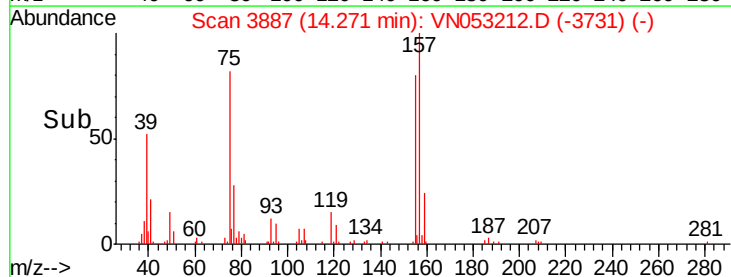
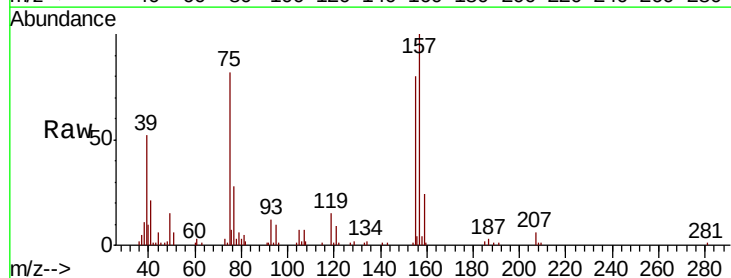
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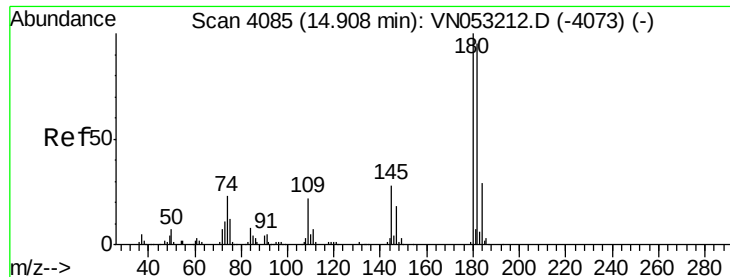
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.986 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053212.D
 Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	72.2	108.2
157	119.5	94.2	141.2





#89

1,2,4-Trichlorobenzene

Concen: 18.601 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Instrument :

MSVOA_N

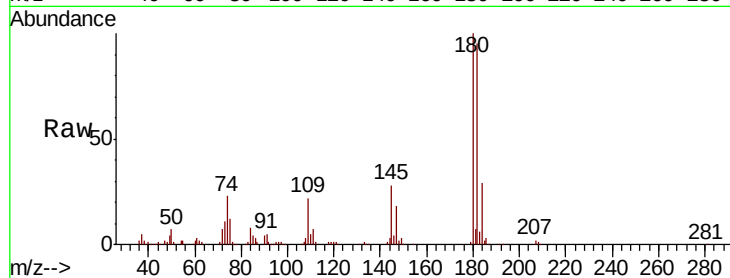
ClientSampled :

VSTDICCC020

Tot Ion:	180	Resp:	176862
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.6	114.8
145	28.5	23.6	35.4

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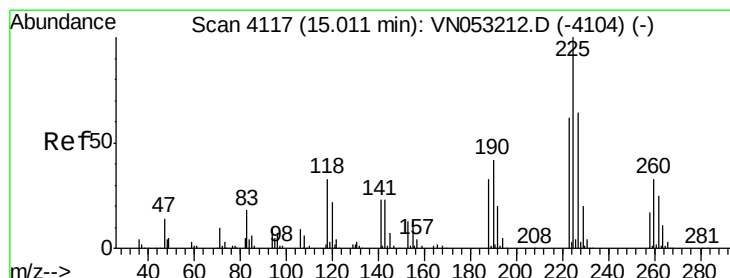
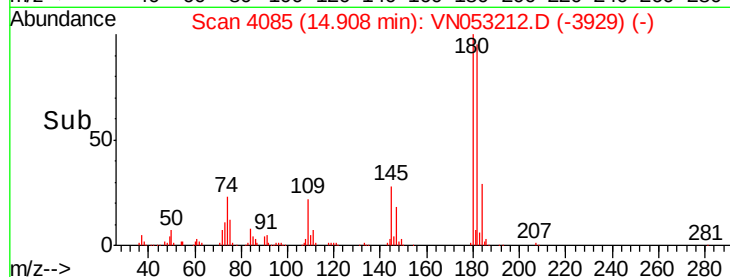
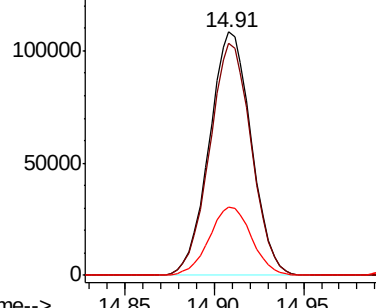


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 19.153 ug/l

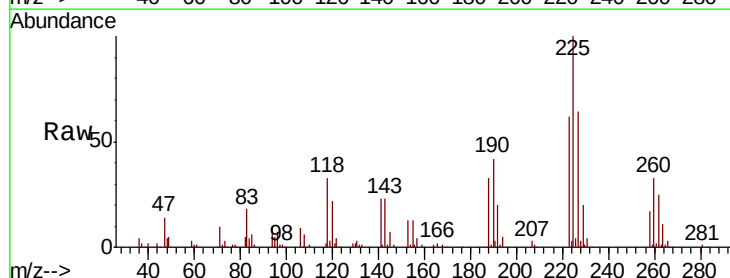
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053212.D

Acq: 28 Dec 2018 8:55

Tgt Ion:	225	Resp:	119461
Ion Ratio	Lower	Upper	
225	100		
223	62.4	0.0	125.6
227	64.0	0.0	127.8

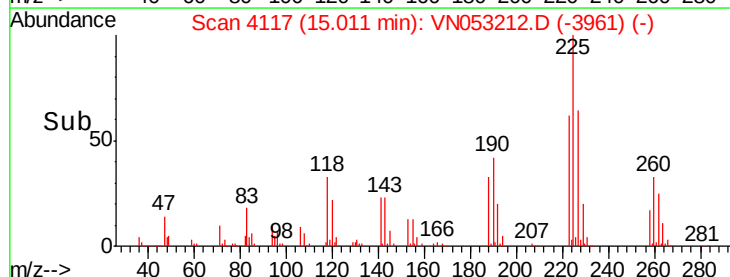
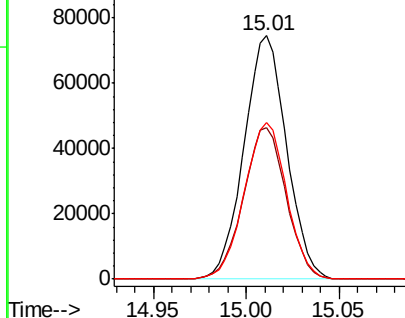


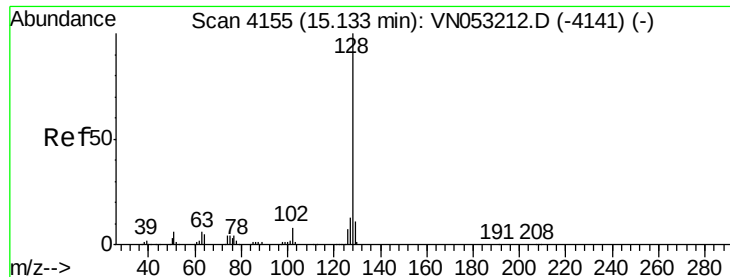
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





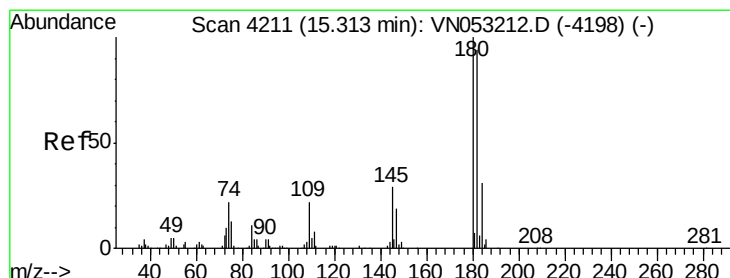
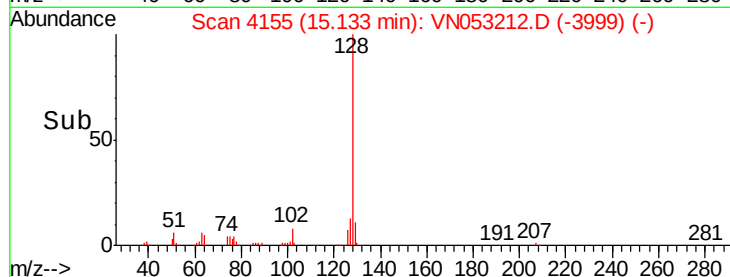
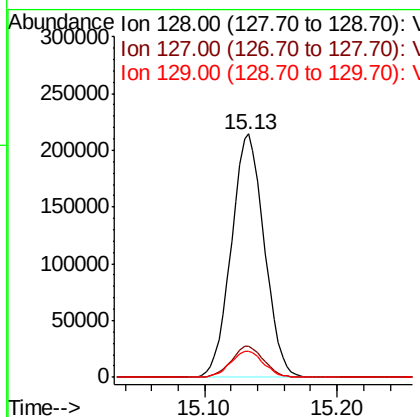
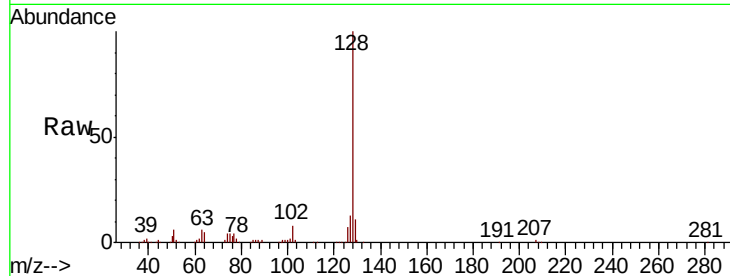
#91
Naphthalene
Concen: 19.223 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.8	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 17.993 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053212.D
Acq: 28 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	196.2
145	29.1	0.0	62.2

