

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053516.D
 Acq On : 22 Jan 2019 13:50
 Operator : JC/SP
 Sample : VN0122WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:00:53 AM

Quant Time: Jan 23 03:46:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	735611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1114288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	482555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	374246	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	7.59	113	335226	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
50) Toluene-d8	10.09	98	1346006	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	455653	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119872	20.268	ug/l	99
3) Chloromethane	2.06	50	156970	18.563	ug/l	100
4) Vinyl Chloride	2.19	62	161599	19.825	ug/l	99
5) Bromomethane	2.57	94	116102	20.759	ug/l	96
6) Chloroethane	2.71	64	100083	20.308	ug/l	96
7) Trichlorofluoromethane	3.02	101	225049	21.108	ug/l	97
8) Diethyl Ether	3.41	74	87685	21.897	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	142083	21.042	ug/l	99
10) Methyl Iodide	3.96	142	209229	20.277	ug/l	99
11) Tert butyl alcohol	4.77	59	44182	124.185	ug/l	99
12) 1,1-Dichloroethene	3.74	96	136250	20.804	ug/l	97
13) Acrolein	3.61	56	67576	111.224	ug/l	99
14) Allyl chloride	4.33	41	226342	21.277	ug/l	100
15) Acrylonitrile	4.99	53	253629	108.324	ug/l	99
16) Acetone	3.82	43	179473	105.210	ug/l	99
17) Carbon Disulfide	4.06	76	378459	19.109	ug/l	100
18) Methyl Acetate	4.33	43	126182	21.955	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	382809	21.998	ug/l	98
20) Methylene Chloride	4.55	84	158326	20.329	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	147219	21.026	ug/l	99
22) Diisopropyl ether	5.95	45	490959	22.107	ug/l	97
23) Vinyl Acetate	5.90	43	1492189	109.305	ug/l	100
24) 1,1-Dichloroethane	5.85	63	279417	21.283	ug/l	99
25) 2-Butanone	6.83	43	284180	108.105	ug/l	98
26) 2,2-Dichloropropane	6.83	77	205668	20.749	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171600	21.432	ug/l	99
28) Bromochloromethane	7.19	49	115739	20.011	ug/l	100
29) Tetrahydrofuran	7.21	42	188835	110.344	ug/l	99
30) Chloroform	7.37	83	279104	21.820	ug/l	99
31) Cyclohexane	7.65	56	259834	20.204	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	230419	21.235	ug/l	99
36) 1,1-Dichloropropene	7.79	75	208779	20.573	ug/l	99
37) Ethyl Acetate	6.93	43	125793	21.546	ug/l	98
38) Carbon Tetrachloride	7.77	117	204429	21.278	ug/l	95

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	256848	20.478	ug/l	98
40) Benzene	8.04	78	654055	21.209	ug/l	100
41) Methacrylonitrile	7.17	41	68158	20.052	ug/l	90
42) 1,2-Dichloroethane	8.12	62	193157	21.500	ug/l	100
43) Isopropyl Acetate	8.16	43	229518	21.863	ug/l	99
44) Trichloroethene	8.84	130	181973	21.279	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177301	21.707	ug/l	98
46) Dibromomethane	9.21	93	99604	21.225	ug/l	98
47) Bromodichloromethane	9.40	83	209354	21.213	ug/l	100
48) Methyl methacrylate	9.20	41	112898	20.828	ug/l	99
49) 1,4-Dioxane	9.20	88	27315	515.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	627219	109.445	ug/l	100
52) Toluene	10.16	92	398702	20.826	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211925	21.186	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	249112	21.244	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	144897	21.953	ug/l	98
56) Ethyl methacrylate	10.43	69	179825	20.465	ug/l	100
57) 1,3-Dichloropropane	10.71	76	245717	21.520	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	446992	96.802	ug/l	100
59) 2-Hexanone	10.75	43	422470	105.013	ug/l	99
60) Dibromochloromethane	10.90	129	159730	21.336	ug/l	100
61) 1,2-Dibromoethane	11.00	107	144051	21.579	ug/l	98
64) Tetrachloroethene	10.63	164	201017	21.408	ug/l	99
65) Chlorobenzene	11.43	112	445120	21.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160593	21.888	ug/l	98
67) Ethyl Benzene	11.51	91	751779	20.916	ug/l	100
68) m/p-Xylenes	11.62	106	580166	42.753	ug/l	100
69) o-Xylene	11.95	106	279101	21.166	ug/l	99
70) Styrene	11.96	104	459831	21.487	ug/l	100
71) Bromoform	12.13	173	109199	21.619	ug/l #	100
73) Isopropylbenzene	12.25	105	748104	21.170	ug/l	100
74) N-amyl acetate	12.07	43	202027	21.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	154075	20.789	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	138367m	21.759	ug/l	
77) Bromobenzene	12.53	156	196565	21.110	ug/l	100
78) n-propylbenzene	12.59	91	851865	21.001	ug/l	100
79) 2-Chlorotoluene	12.67	91	501761	20.869	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	619713	21.554	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46673	20.167	ug/l	96
82) 4-Chlorotoluene	12.77	91	516480	21.064	ug/l	100
83) tert-Butylbenzene	12.99	119	550885	21.693	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	626424	21.608	ug/l	100
85) sec-Butylbenzene	13.17	105	742838	21.329	ug/l	100
86) p-Isopropyltoluene	13.29	119	647240	21.404	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	346807	21.173	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	340926	20.750	ug/l	98
89) n-Butylbenzene	13.61	91	536883	20.828	ug/l	99
90) Hexachloroethane	13.87	117	101032	21.303	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	339649	22.539	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23813	25.340	ug/l	96

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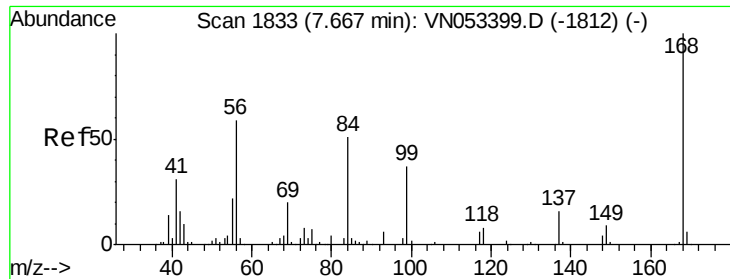
Manual Integrations
APPROVED

MMDadoda
1/23/2019 11:00:53 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152890	24.489	ug/l	99
94) Hexachlorobutadiene	15.01	225	113105	24.061	ug/l	99
95) Naphthalene	15.13	128	249750	23.662	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	114561	25.613	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion:168 Resp: 735611

Ion Ratio Lower Upper

168 100

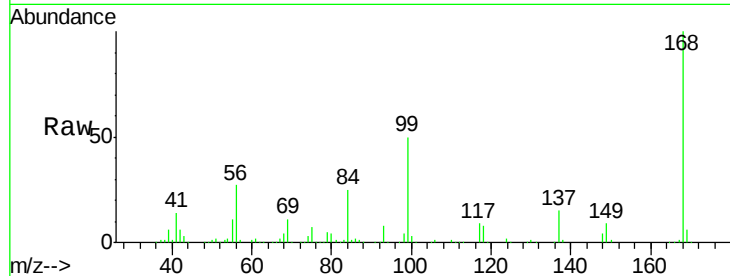
99 49.5 39.1 58.7

Manual Integrations

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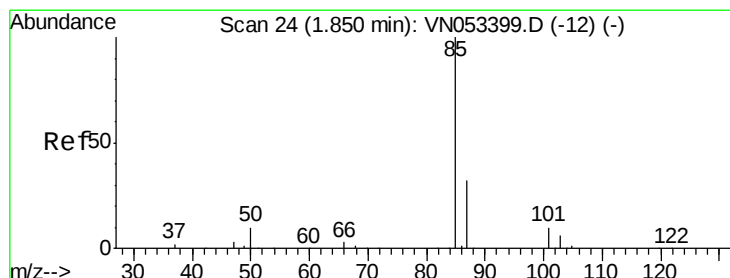
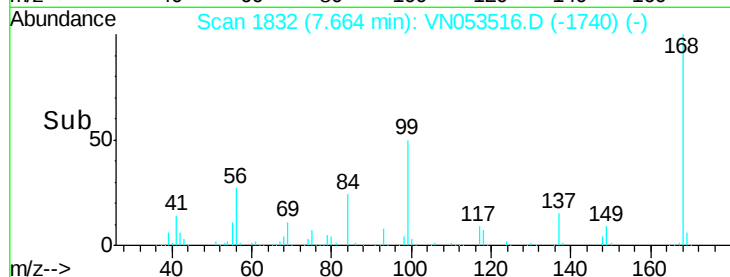
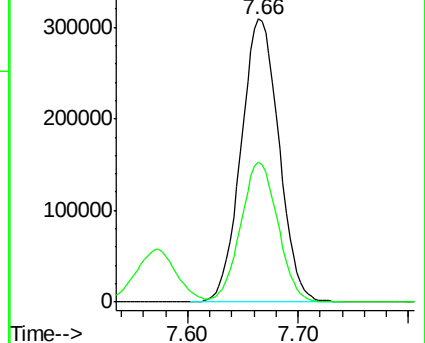
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1/23/2019 11:00:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.268 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053516.D

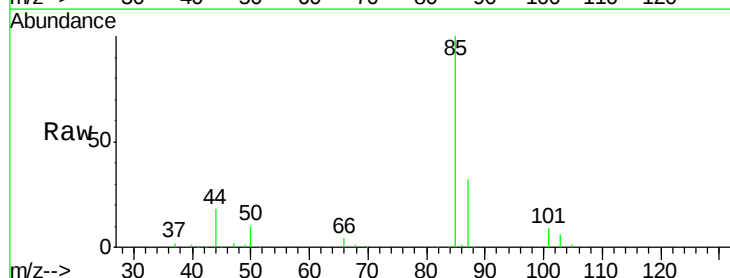
Acq: 22 Jan 2019 13:50

Tgt Ion: 85 Resp: 119872

Ion Ratio Lower Upper

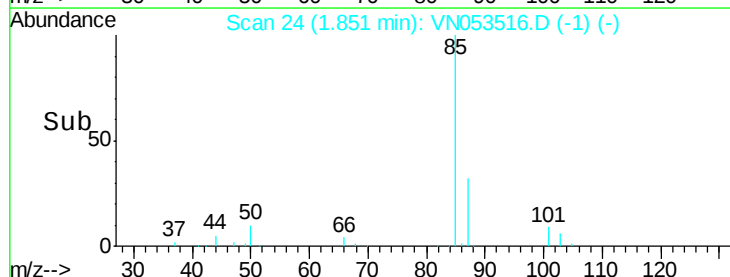
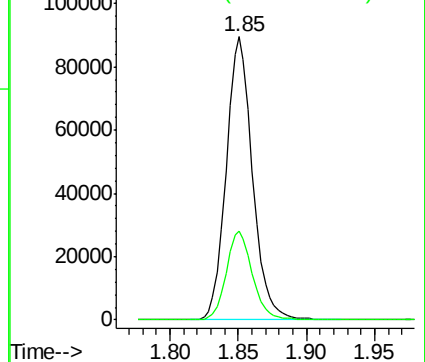
85 100

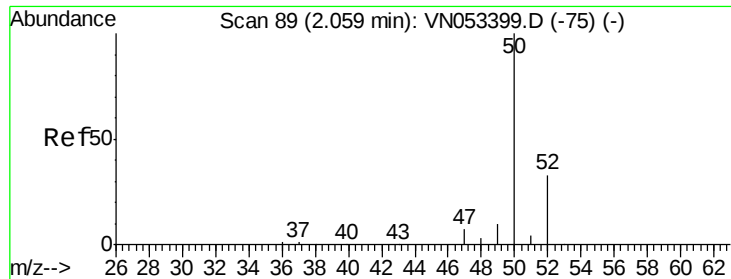
87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.563 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 50 Resp: 156970

Ion Ratio Lower Upper

50 100

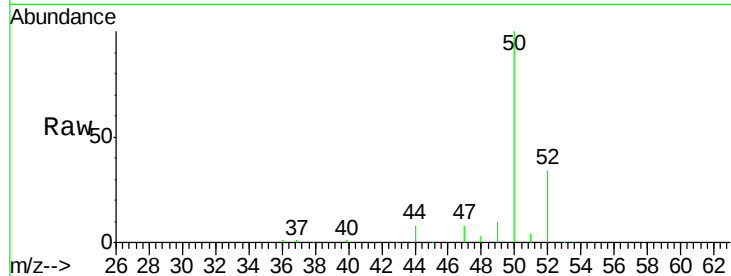
52 33.5 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

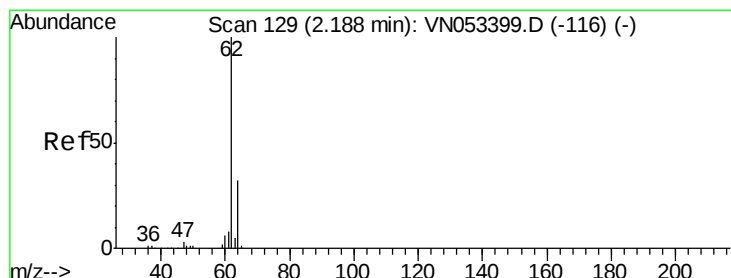
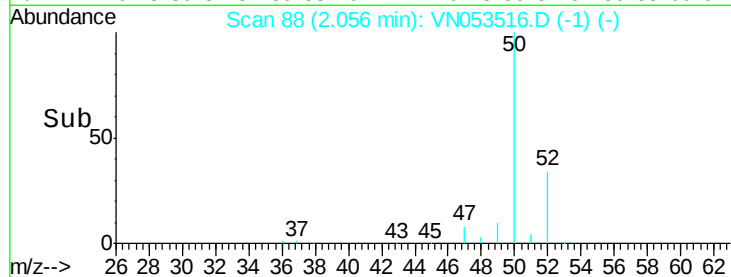
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.825 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053516.D

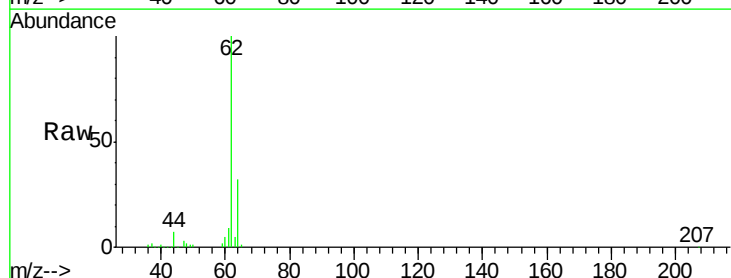
Acq: 22 Jan 2019 13:50

Tgt Ion: 62 Resp: 161599

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

120000

100000

80000

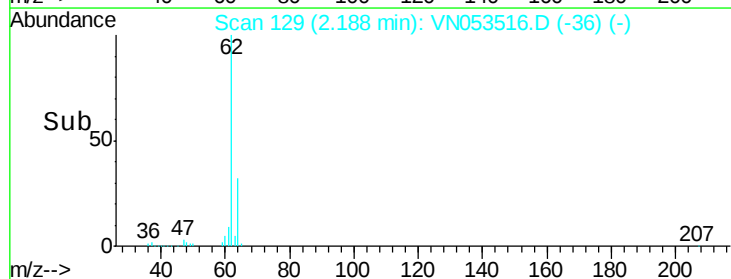
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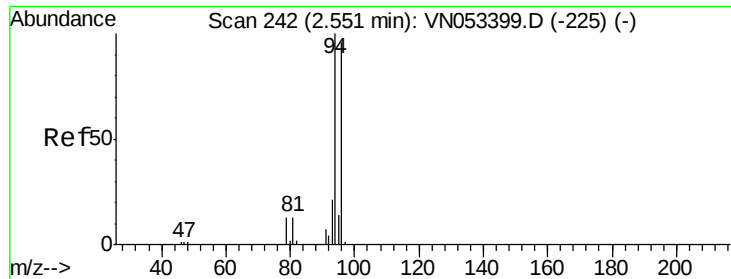
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.759 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 94 Resp: 116102

Ion Ratio Lower Upper

94 100

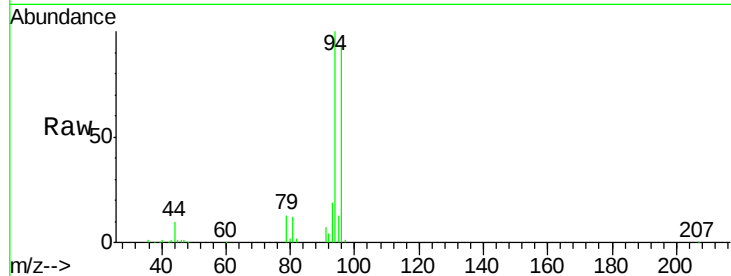
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Manual Integrations

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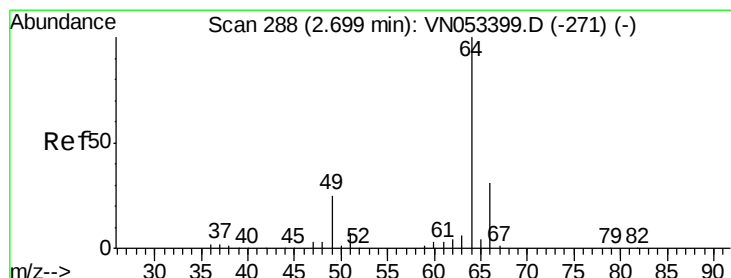
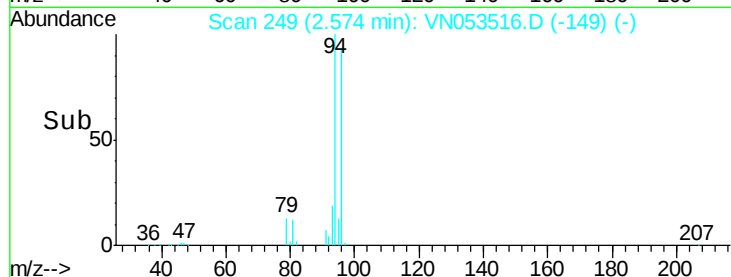
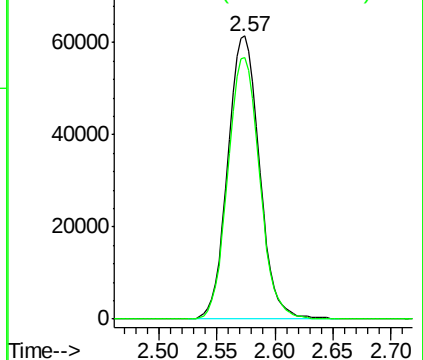
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.308 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053516.D

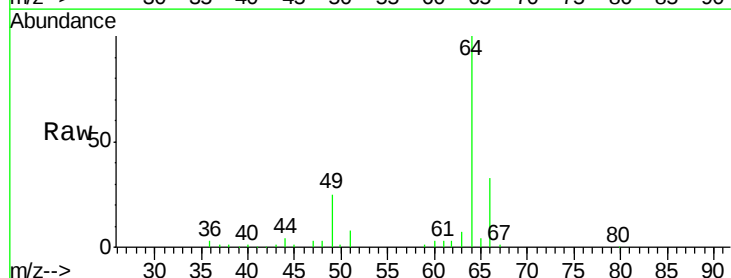
Acq: 22 Jan 2019 13:50

Tgt Ion: 64 Resp: 100083

Ion Ratio Lower Upper

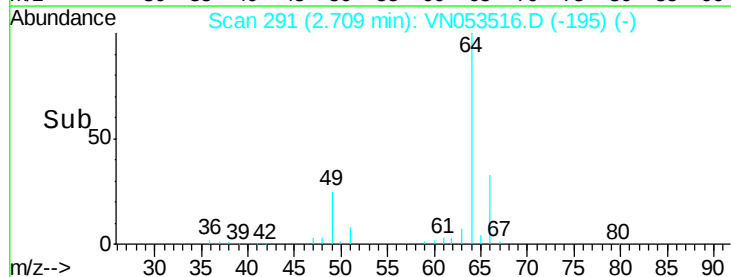
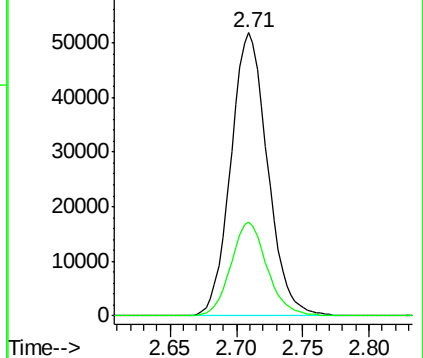
64 100

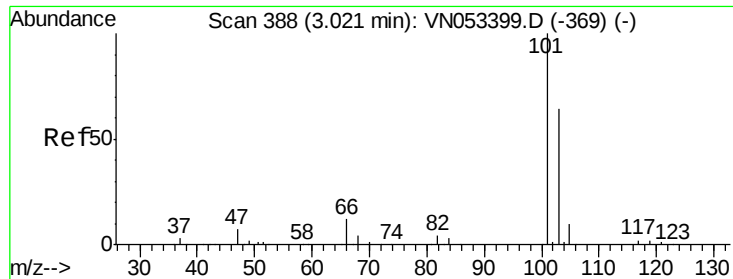
66 33.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

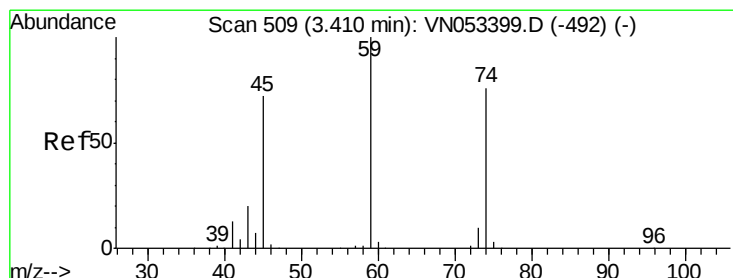
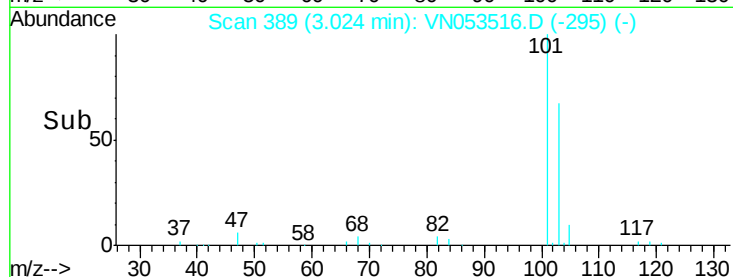
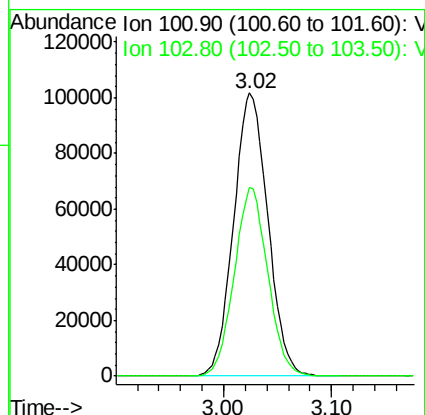
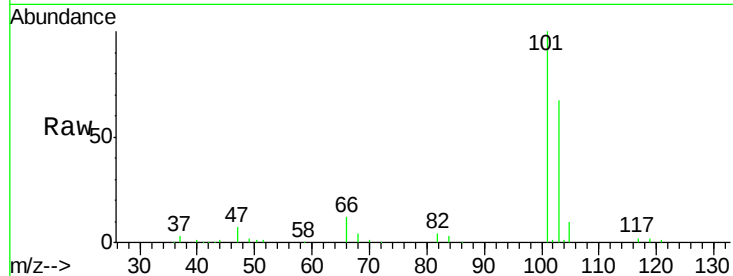
Trichlorofluoromethane
Concen: 21.108 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:101 Resp: 225049
Ion Ratio Lower Upper
101 100
103 66.5 51.6 77.4

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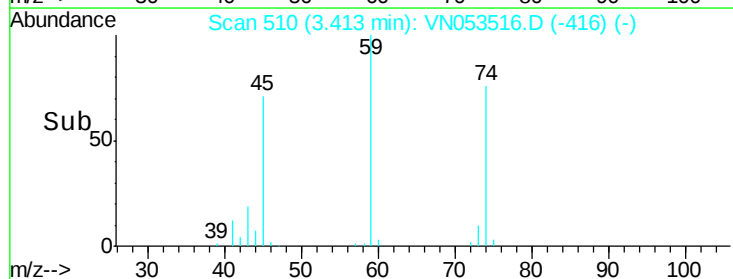
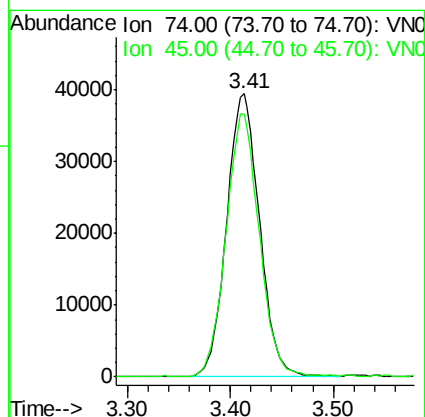
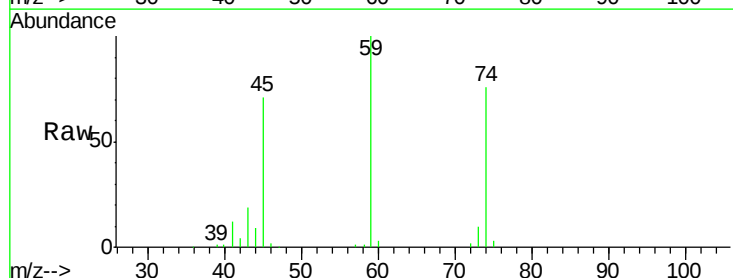
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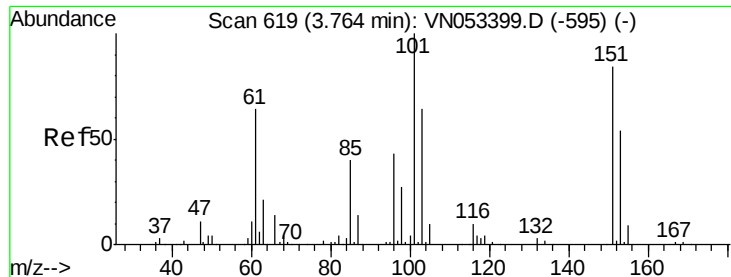


#8

Diethyl Ether
Concen: 21.897 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 74 Resp: 87685
Ion Ratio Lower Upper
74 100
45 94.1 47.9 143.7





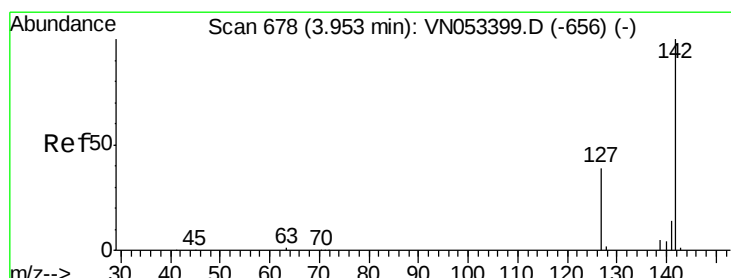
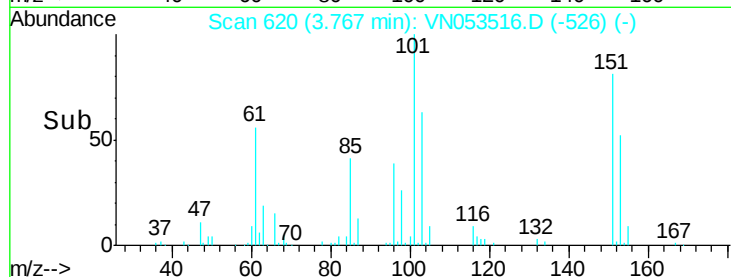
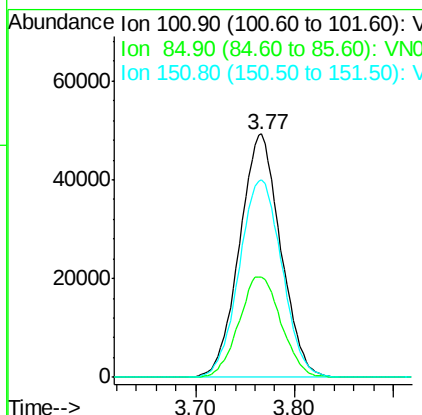
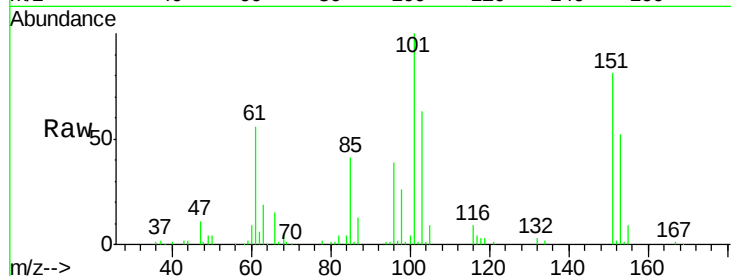
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.042 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	142083		
85	42.5	32.8	49.2	
151	84.3	66.9	100.3	

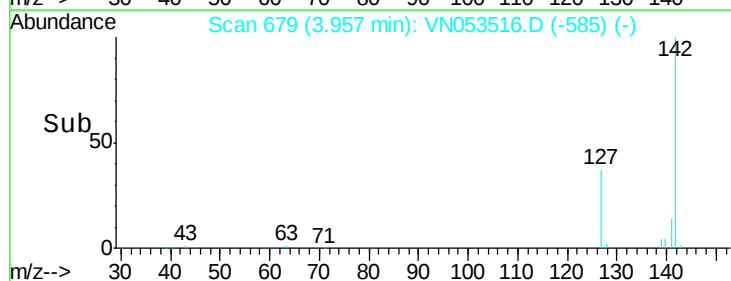
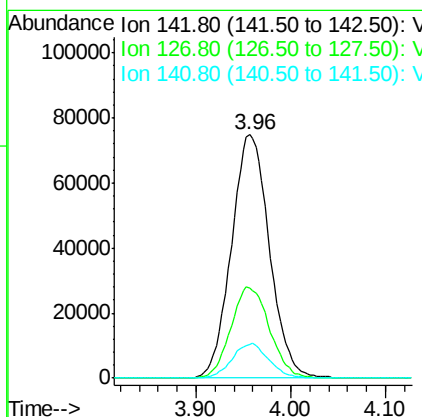
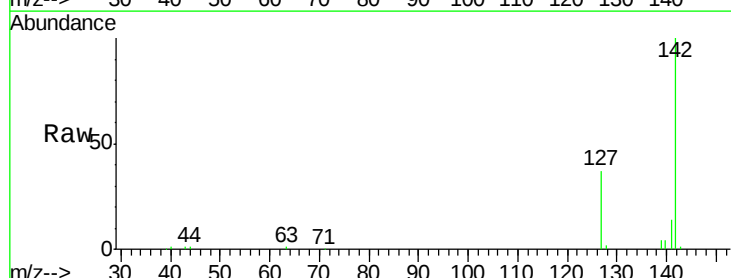
Manual Integrations
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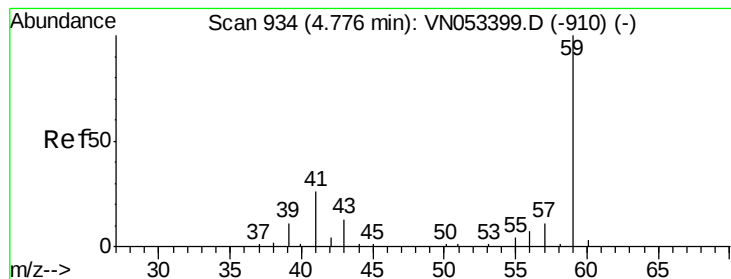
MMDadoda
1/23/2019 11:00:53 AM



#10
Methyl Iodide
Concen: 20.277 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	209229		
127	38.1	31.0	46.4	
141	13.7	11.1	16.7	





#11

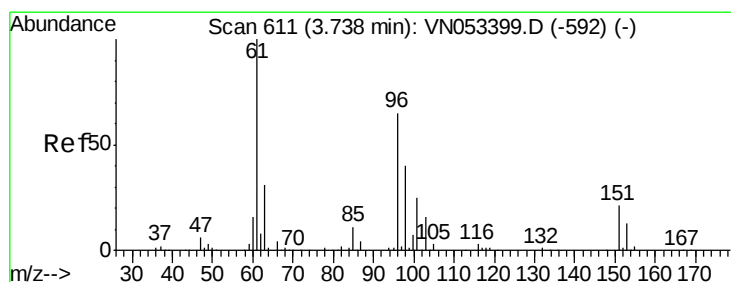
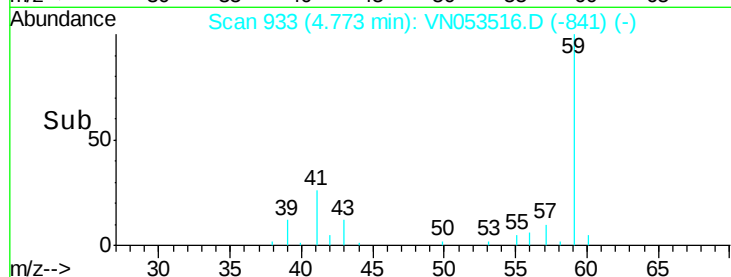
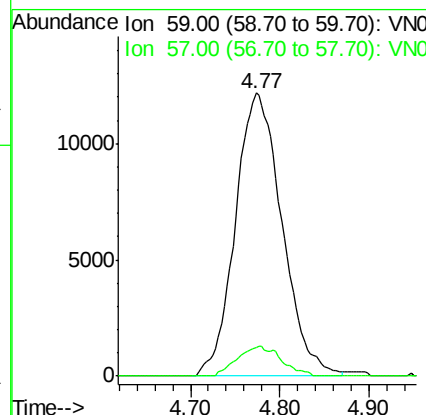
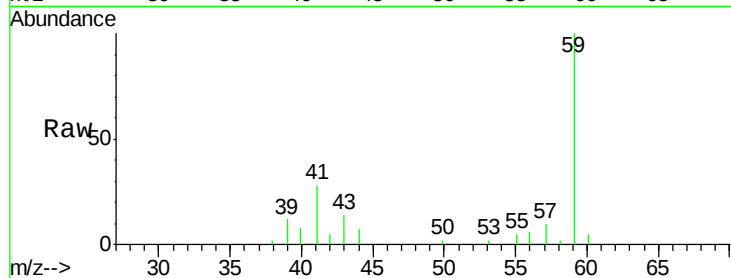
Tert butyl alcohol
 Concen: 124.185 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

Manual Integrations
 APPROVED

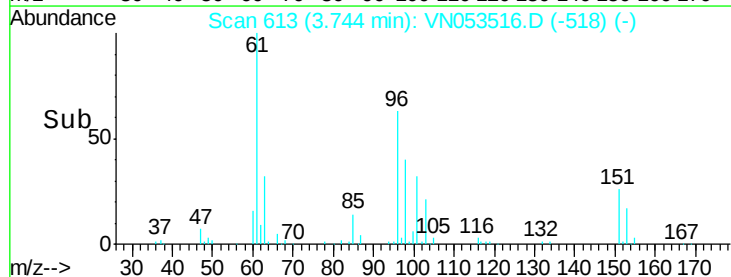
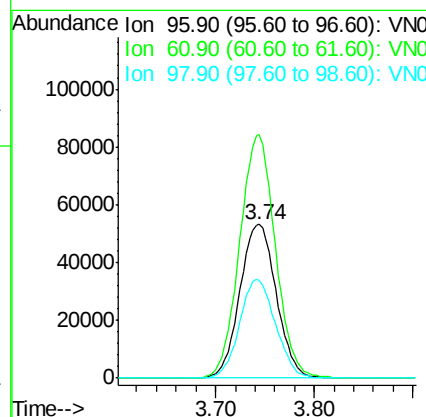
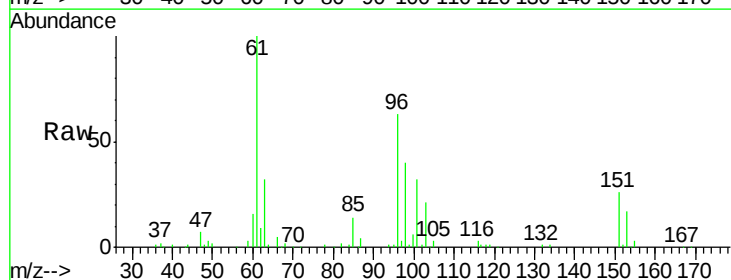
MMDadoda
 1/23/2019 11:00:53 AM

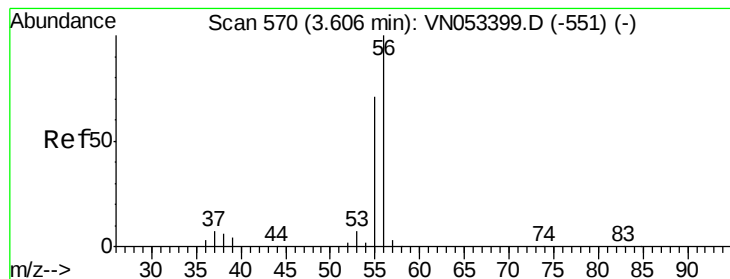


#12

1,1-Dichloroethene
 Concen: 20.804 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	122.9	184.3
98	63.5	49.4	74.0





#13

Acrolein

Concen: 111.224 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 56 Resp: 67576

Ion Ratio Lower Upper

56 100

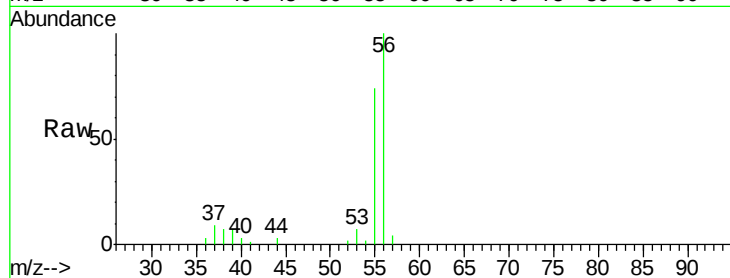
55 70.8 57.4 86.0

Manual Integrations

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MMDadoda

1/23/2019 11:00:53 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

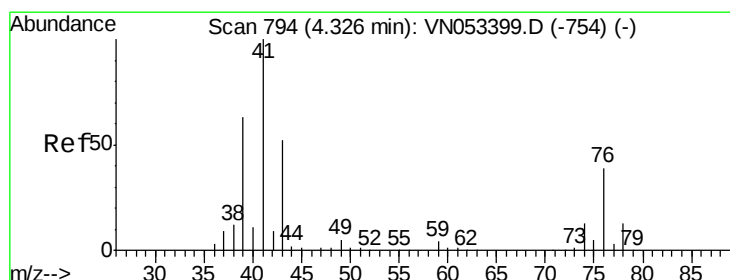
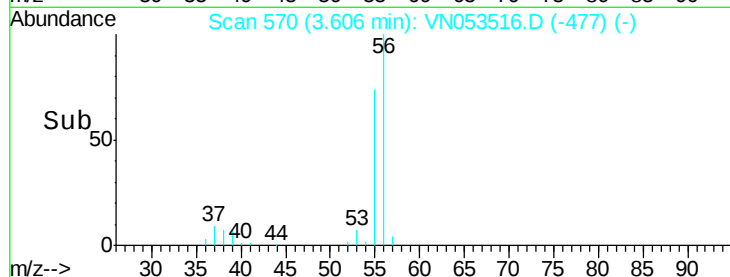
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 21.277 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

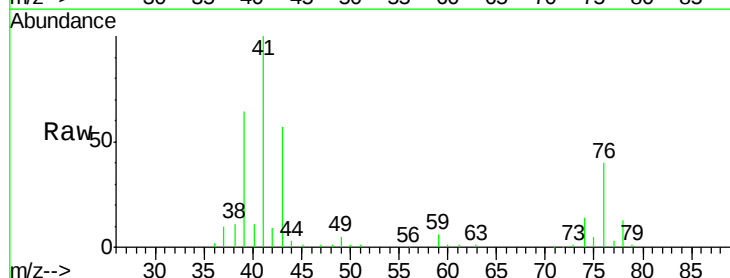
Tgt Ion: 41 Resp: 226342

Ion Ratio Lower Upper

41 100

39 61.1 48.9 73.3

76 36.6 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

100000

80000

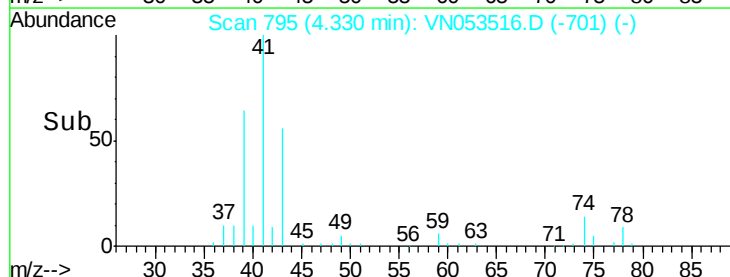
60000

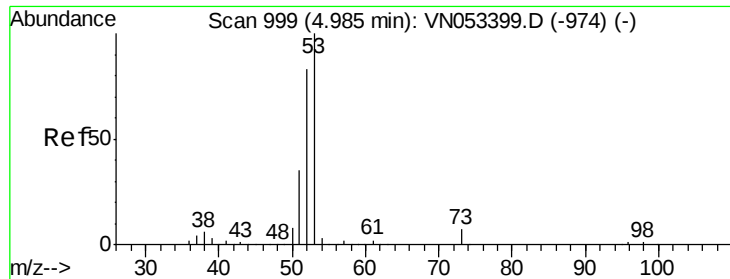
40000

20000

0

Time-->





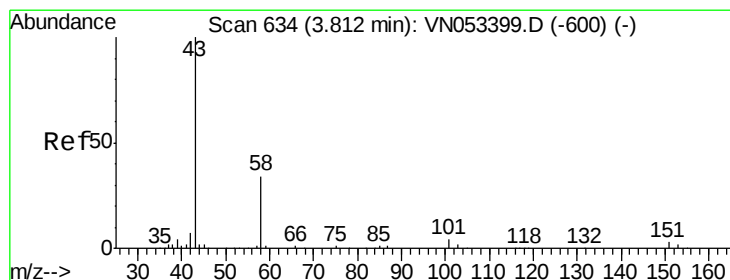
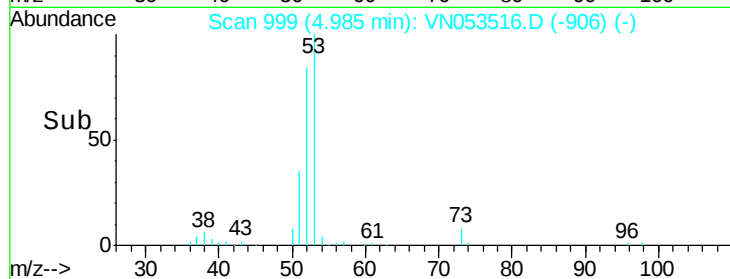
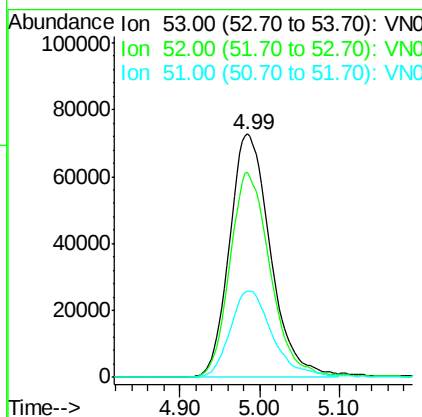
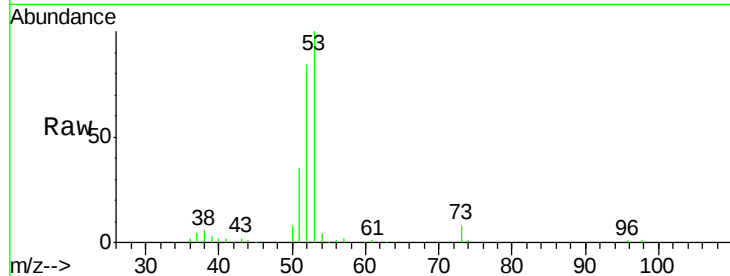
#15
 Acrylonitrile
 Concen: 108.324 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	53	Resp	253629
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.0	99.0
51	36.6	28.3	42.5

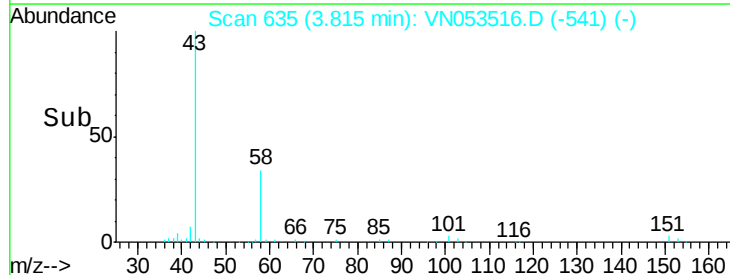
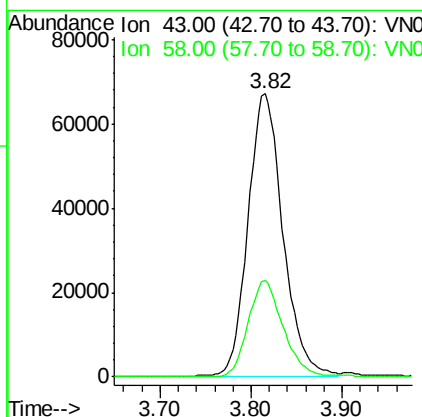
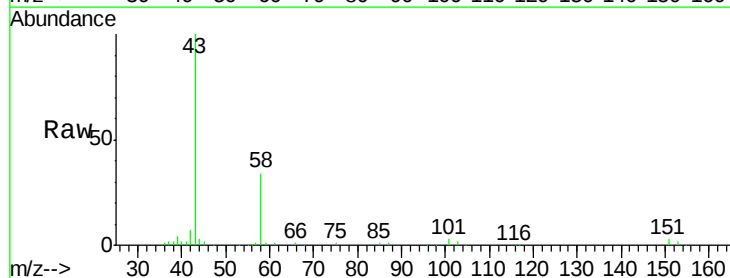
Manual Integrations
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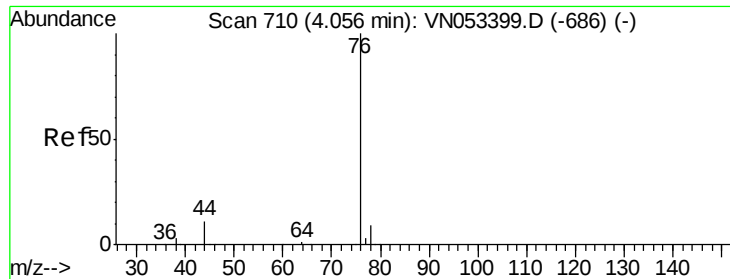
MMDadoda
 1/23/2019 11:00:53 AM



#16
 Acetone
 Concen: 105.210 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	43	Resp	179473
Ion Ratio	Lower	Upper	
43	100		
58	34.2	27.1	40.7





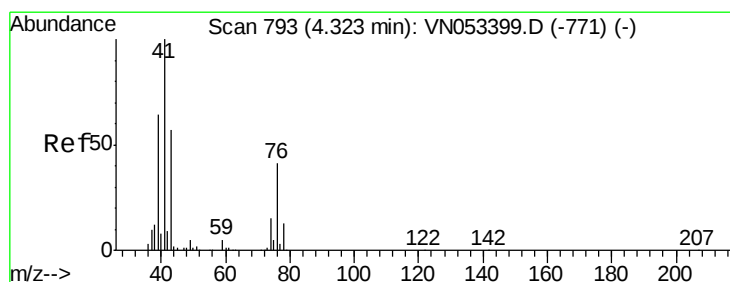
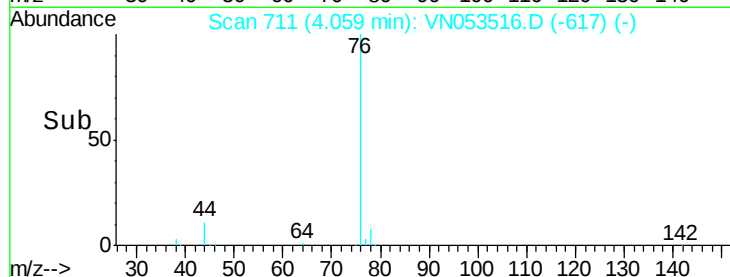
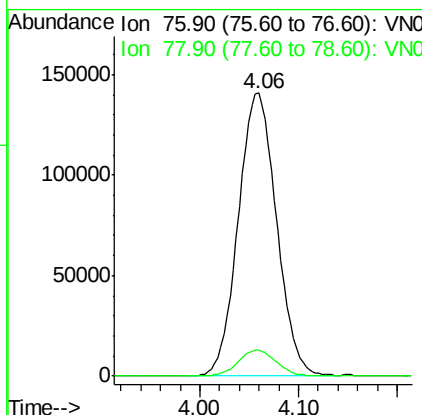
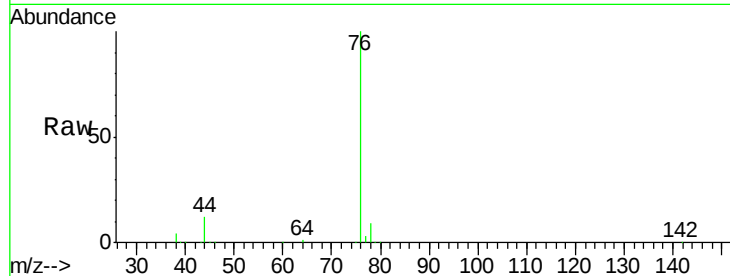
#17
Carbon Disulfide
Concen: 19.109 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

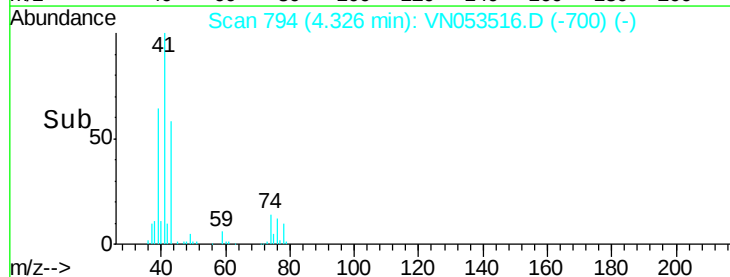
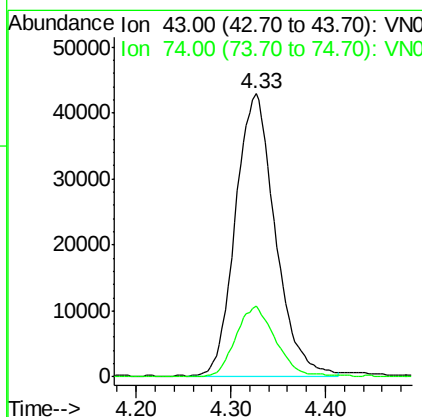
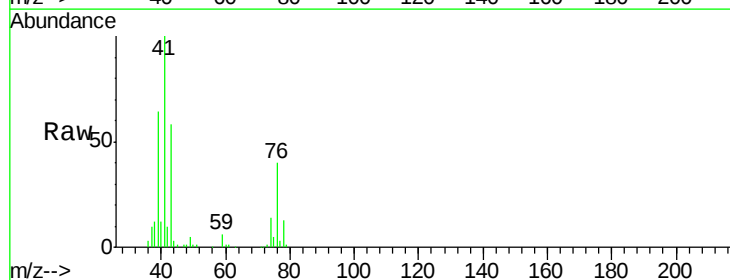
Manual Integrations
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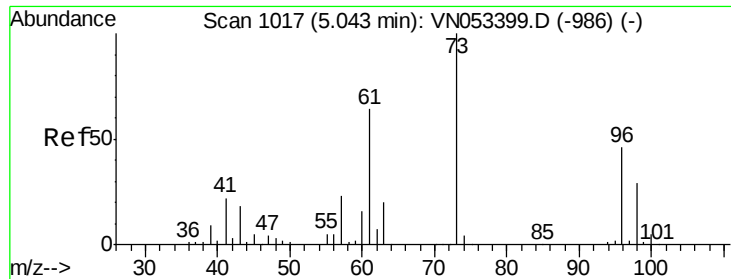
MMDadoda
1/23/2019 11:00:53 AM



#18
Methyl Acetate
Concen: 21.955 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





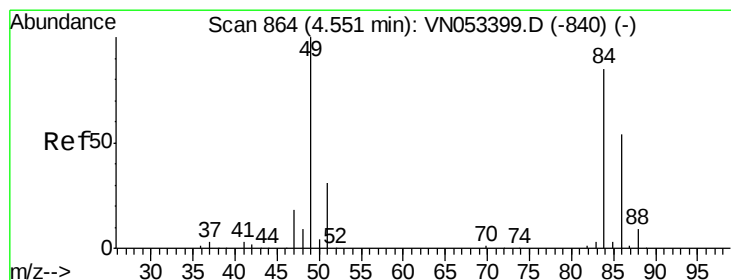
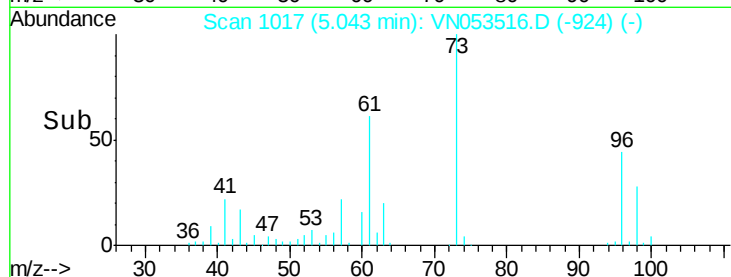
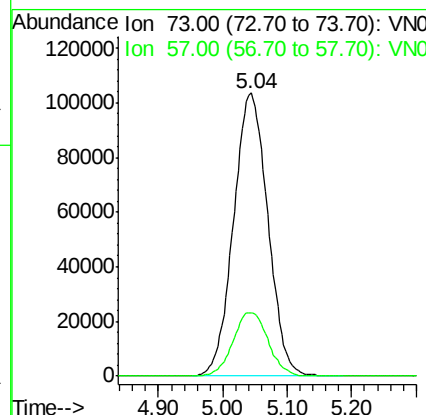
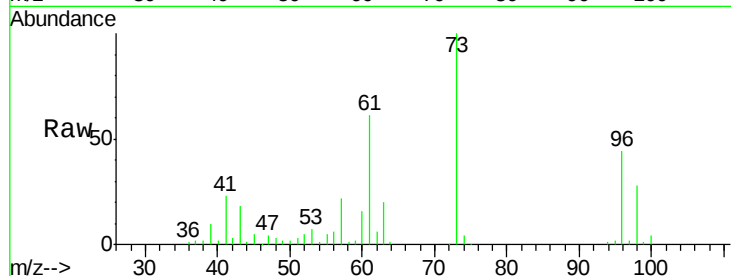
#19
Methyl tert-butyl Ether
Concen: 21.998 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion: 73 Resp: 382809
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

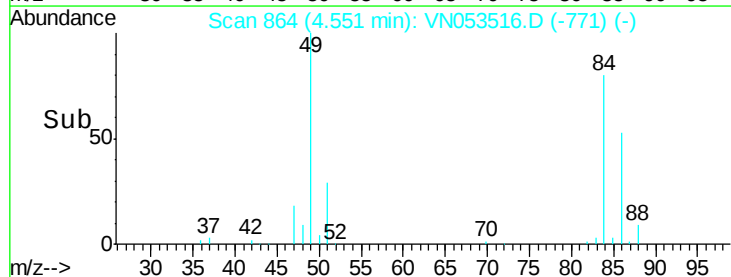
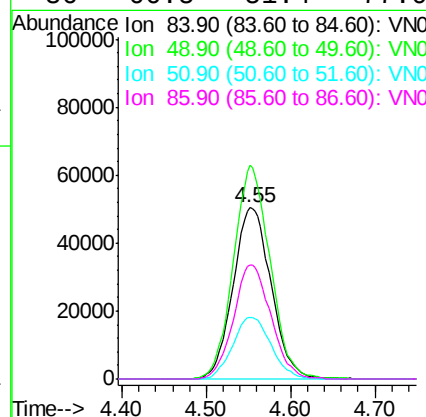
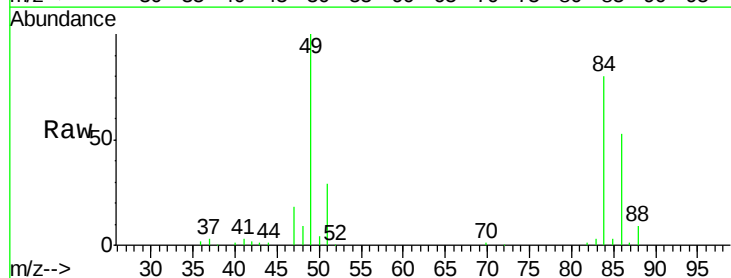
Manual Integrations
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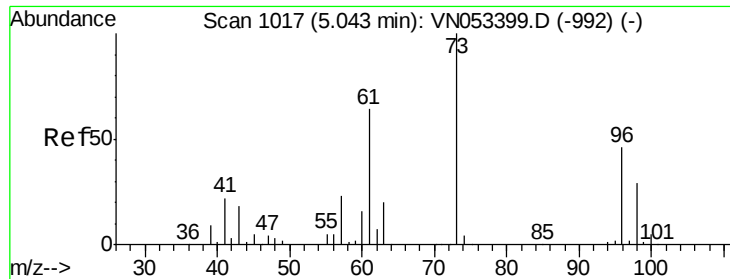
MMDadoda
1/23/2019 11:00:53 AM



#20
Methylene Chloride
Concen: 20.329 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 84 Resp: 158326
Ion Ratio Lower Upper
84 100
49 124.8 94.3 141.5
51 36.2 29.4 44.2
86 66.5 51.4 77.0





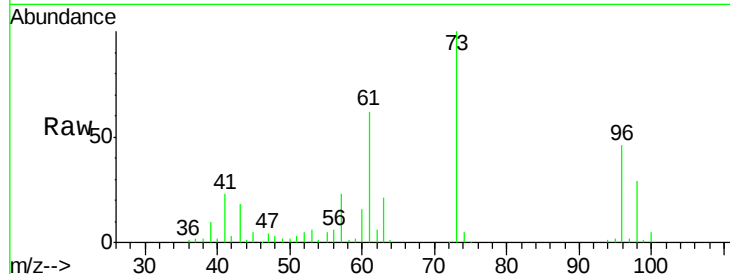
#21
trans-1,2-Dichloroethene
Concen: 21.026 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	110.1	165.1
98	63.0	50.0	75.0

Manual Integrations
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MMDadoda
1/23/2019 11:00:53 AM

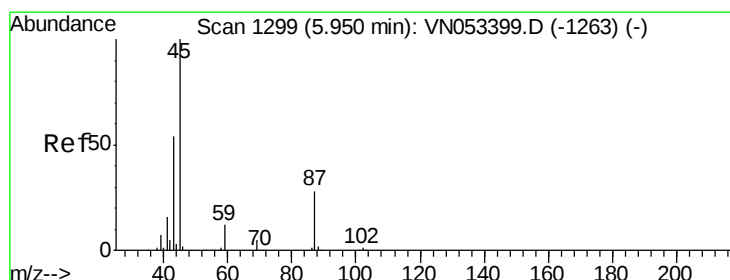
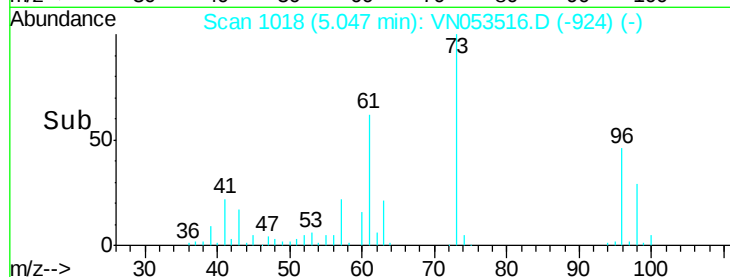
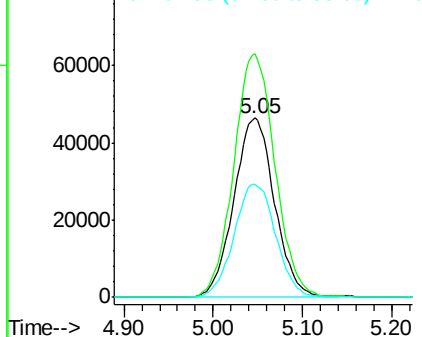


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 22.107 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	44.2	66.4
87	28.5	22.7	34.1
59	11.8	9.4	14.2

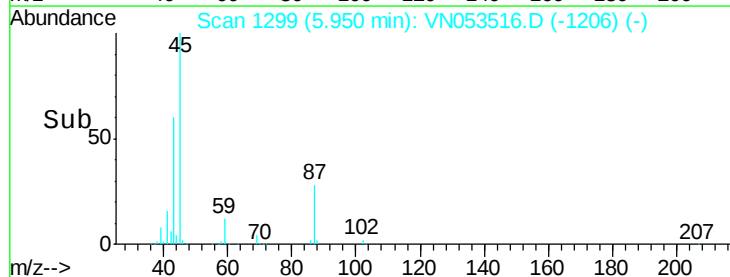
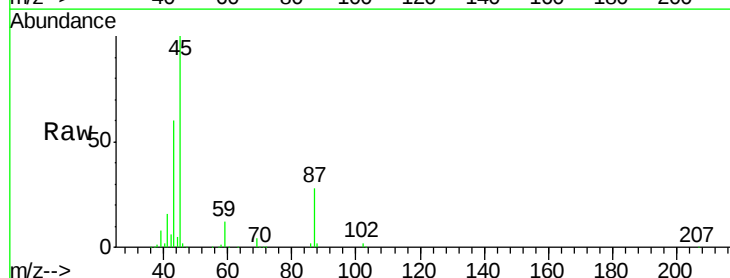
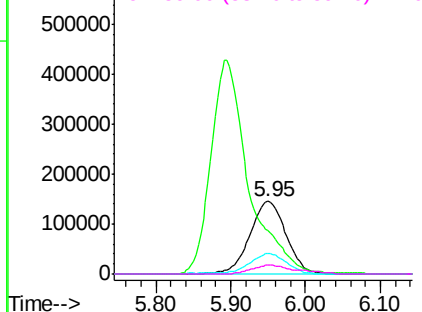
Abundance

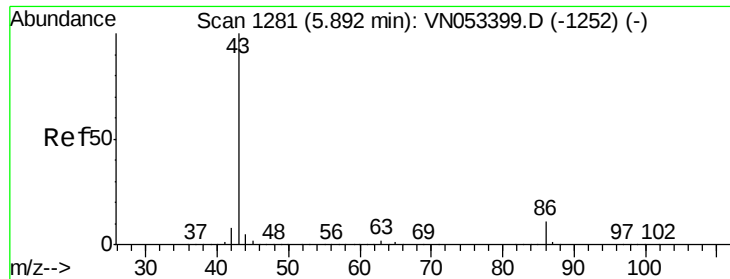
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 109.305 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 43 Resp: 1492189

Ion Ratio Lower Upper

43 100

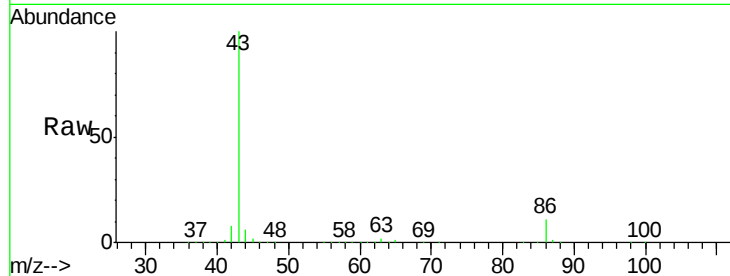
86 10.7 8.4 12.6

Manual Integrations

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MMDadoda

1/23/2019 11:00:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

500000

400000

300000

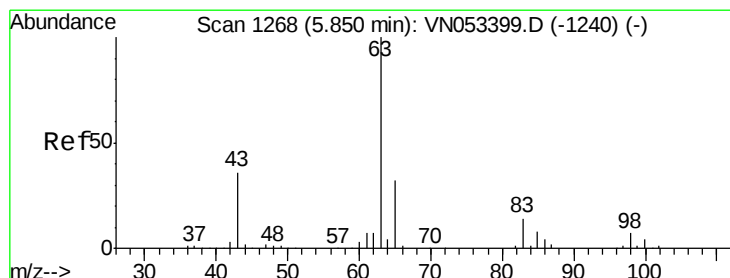
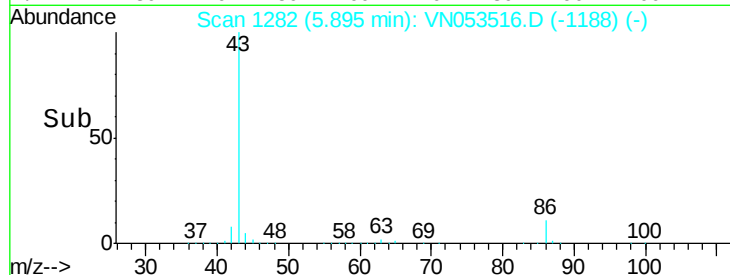
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.283 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

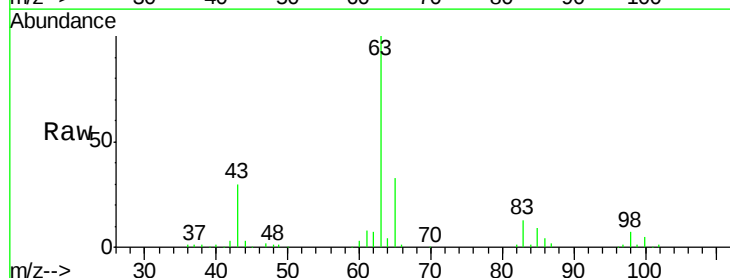
Tgt Ion: 63 Resp: 279417

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

60000

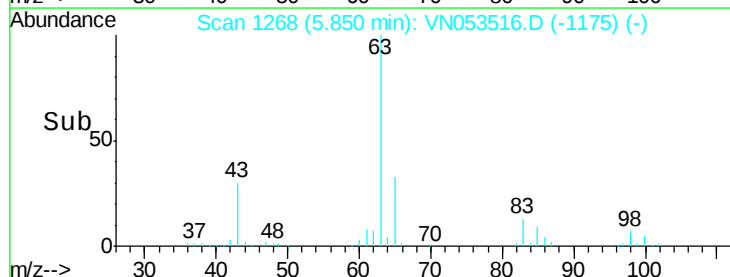
40000

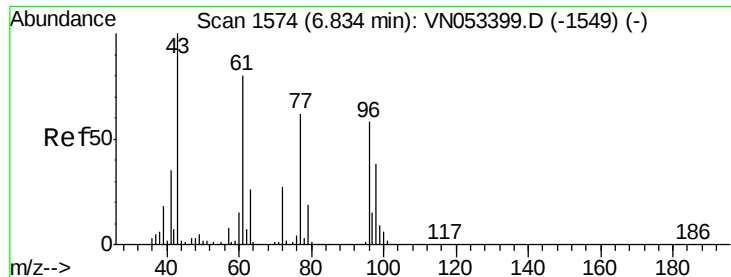
20000

0

5.70 5.80 5.90 6.00

Time-->





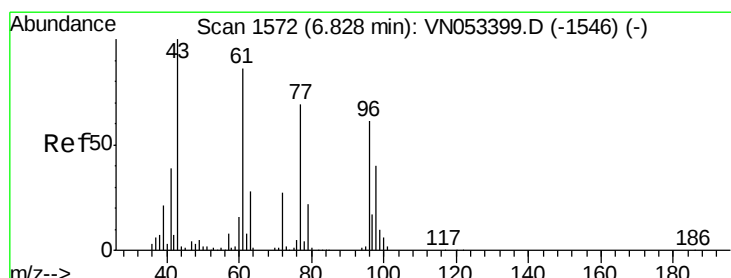
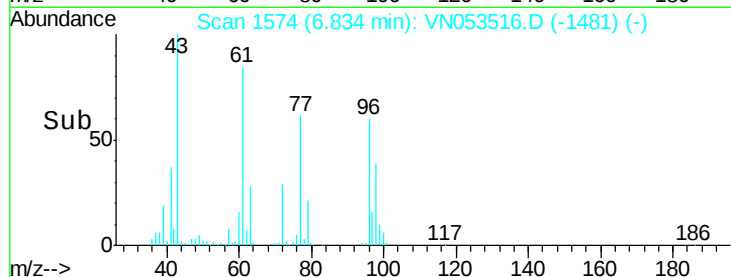
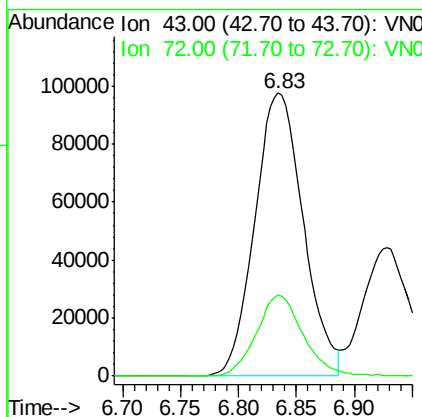
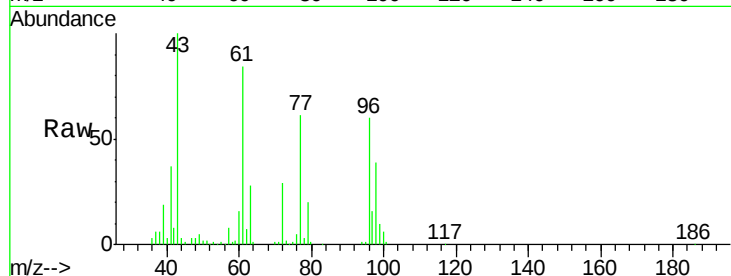
#25
2-Butanone
Concen: 108.105 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion: 43 Resp: 284180
Ion Ratio Lower Upper
43 100
72 28.5 22.0 33.0

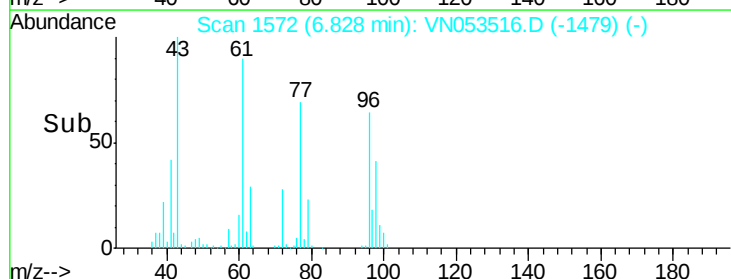
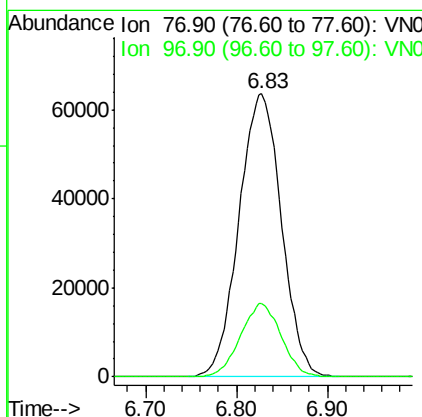
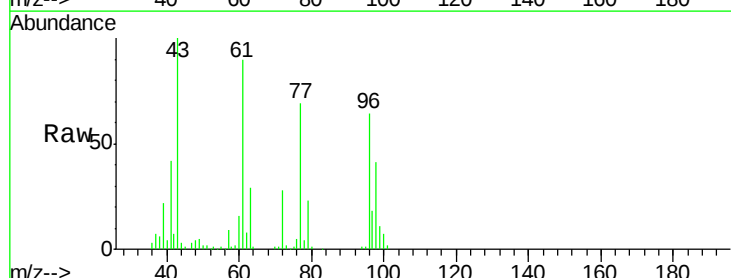
Manual Integrations
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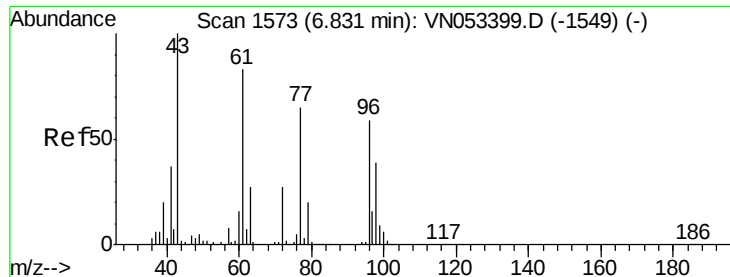
MMDadoda
1/23/2019 11:00:53 AM



#26
2,2-Dichloropropane
Concen: 20.749 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 77 Resp: 205668
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.432 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

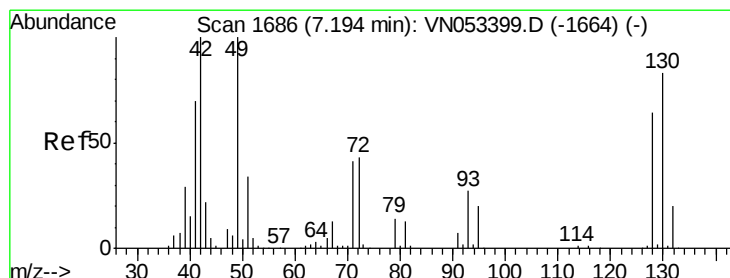
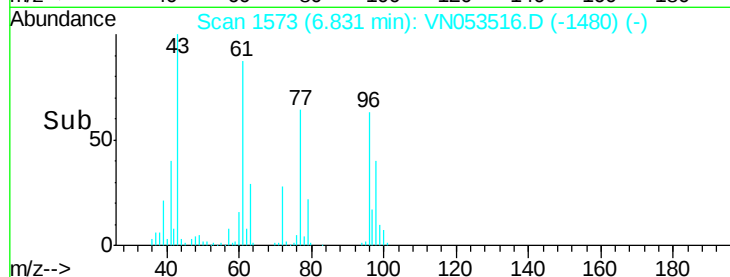
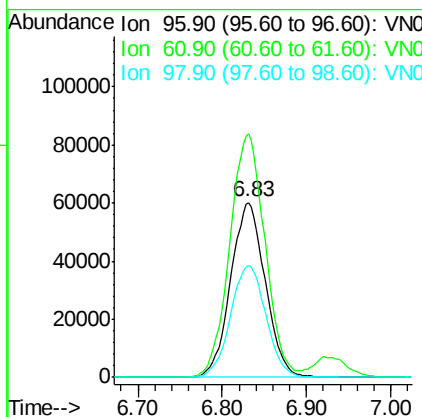
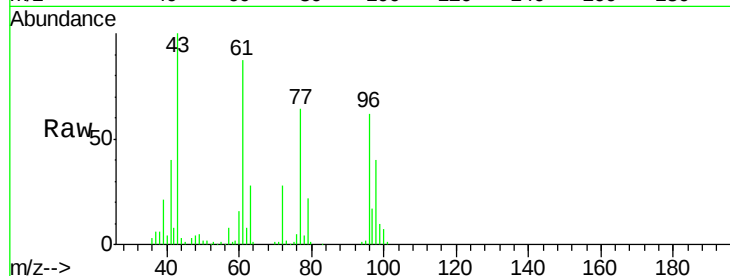
ClientSampleId :

VN0122WBSD01

Tot Ion:	96	Resp:	171600
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	283.8
98	65.6	0.0	129.2

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MMDadoda
1/23/2019 11:00:53 AM



#28

Bromochloromethane

Concen: 20.011 ug/l

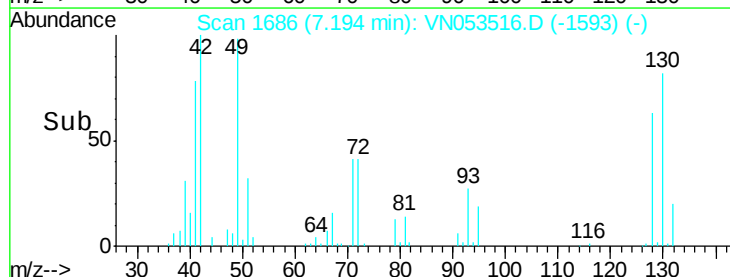
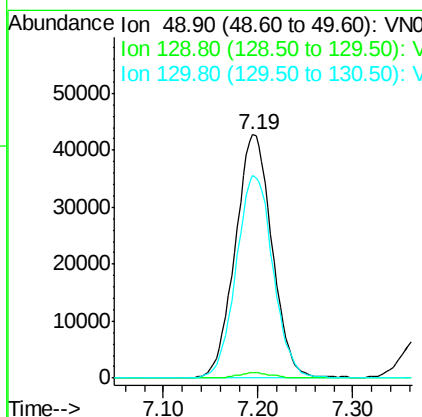
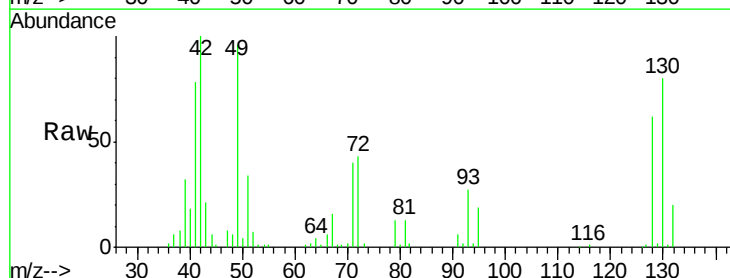
RT: 7.19 min Scan# 1686

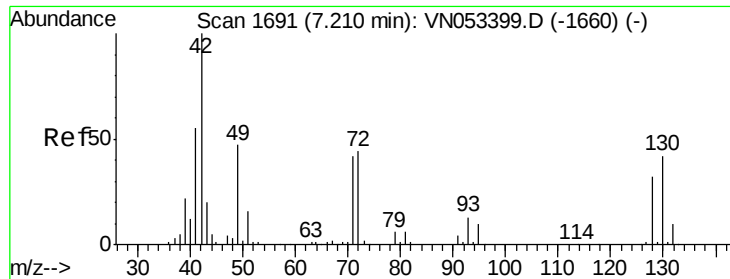
Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Tgt Ion:	49	Resp:	115739
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.1	66.3	99.5





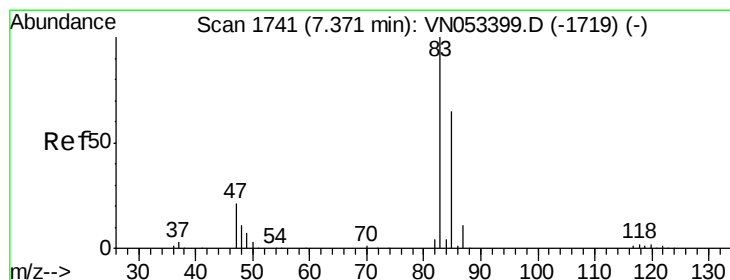
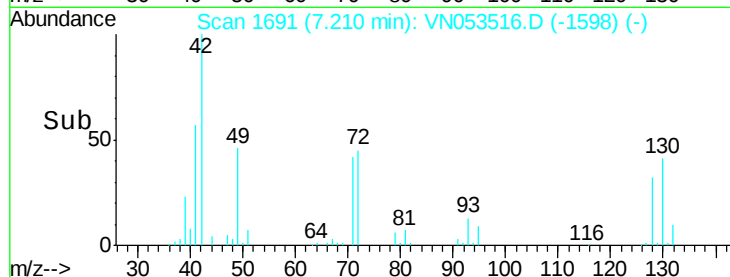
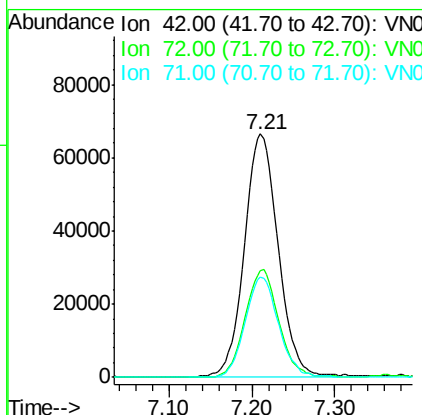
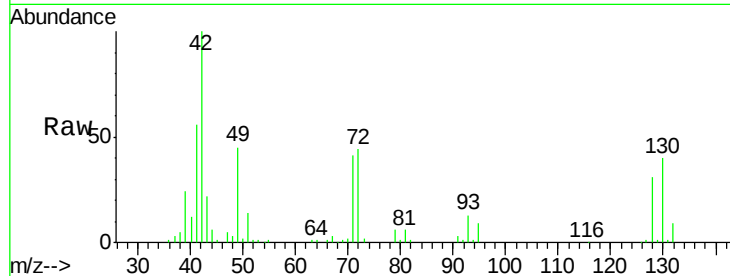
#29
Tetrahydrofuran
Concen: 110.344 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.2	52.8
71	40.8	33.0	49.4

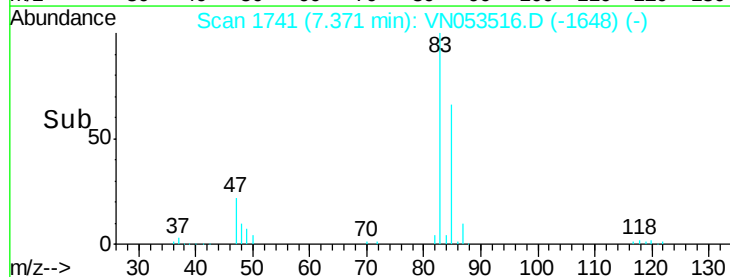
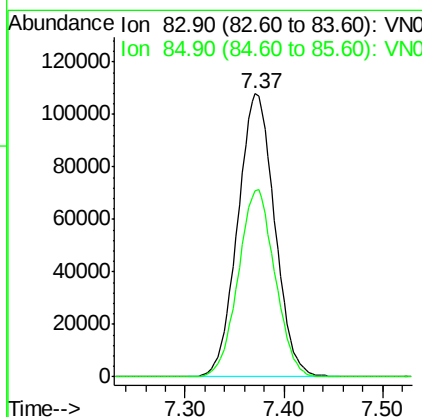
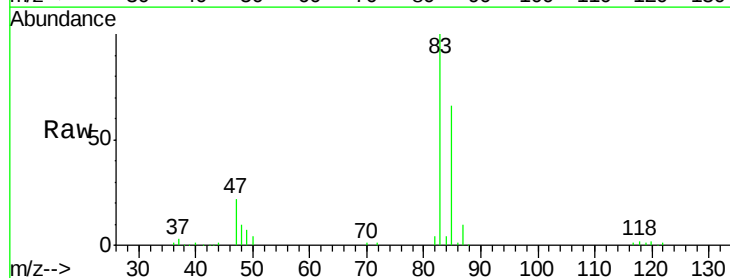
Manual Integrations
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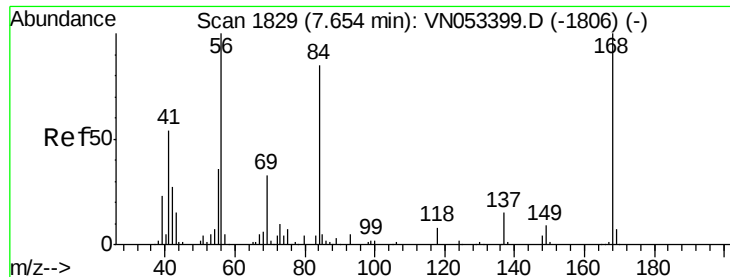
MMDadoda
1/23/2019 11:00:53 AM



#30
Chloroform
Concen: 21.820 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.2





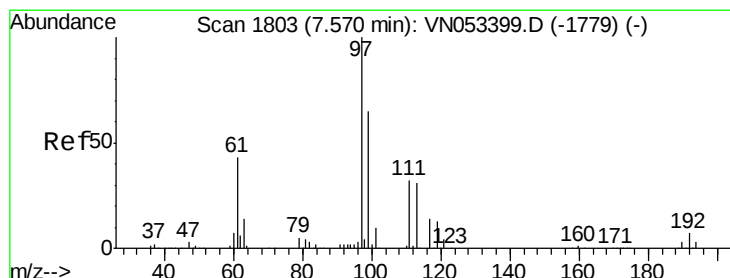
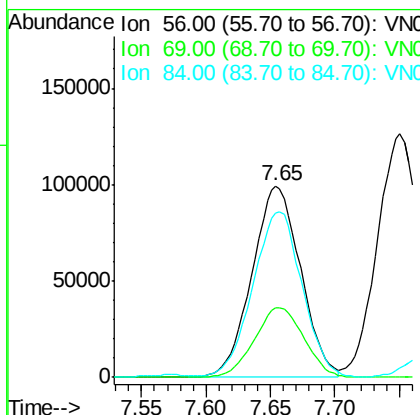
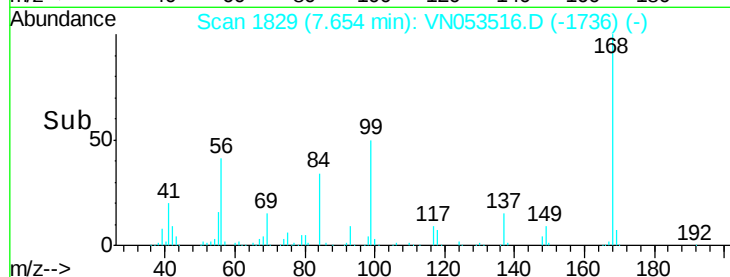
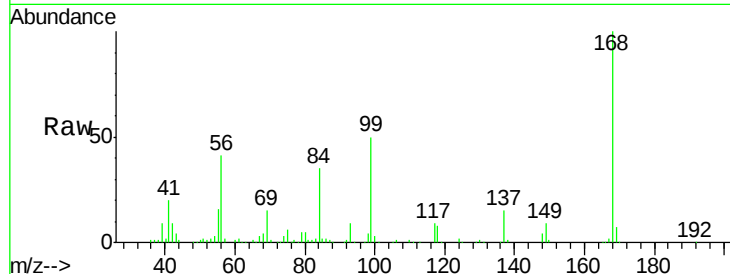
#31
Cyclohexane
Concen: 20.204 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.4	39.6
84	85.5	67.9	101.9

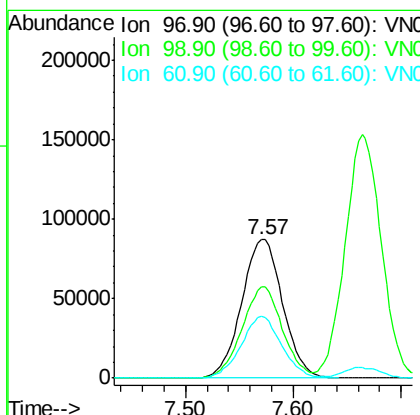
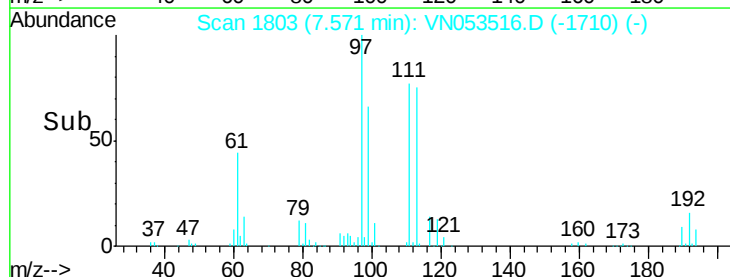
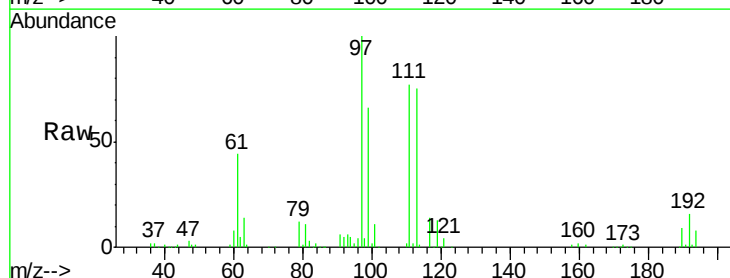
Manual Integrations
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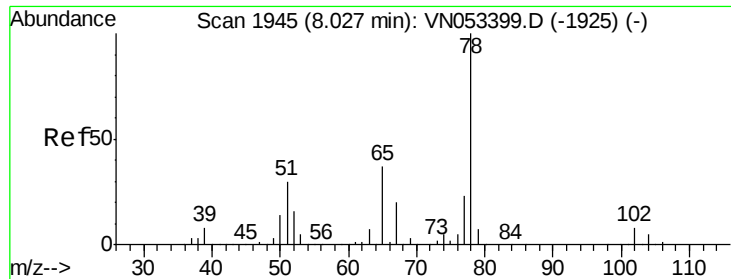
MMDadoda
1/23/2019 11:00:53 AM



#32
1,1,1-Trichloroethane
Concen: 21.235 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	43.7	34.4	51.6





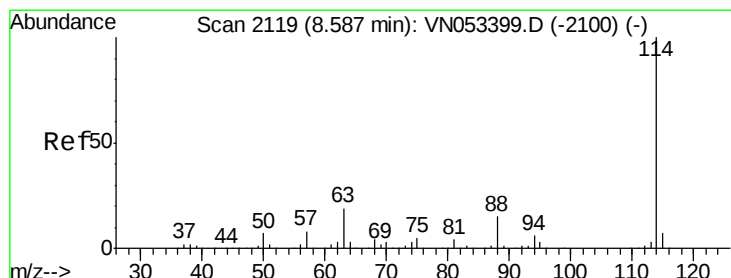
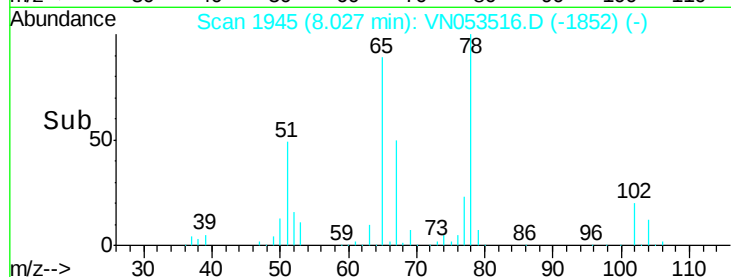
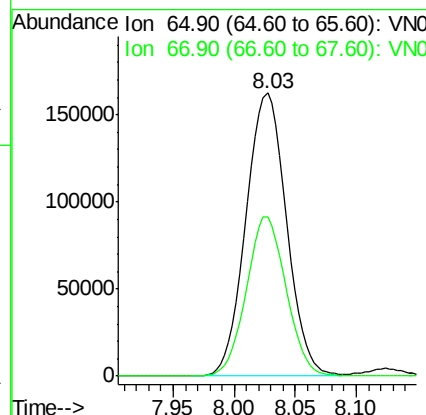
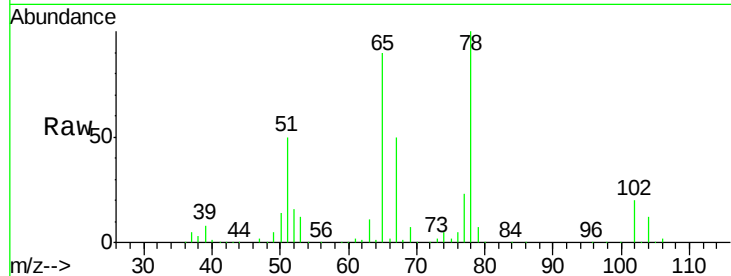
#33
 1,2-Dichloroethane-d4
 Concen: 21.235 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0		111.2

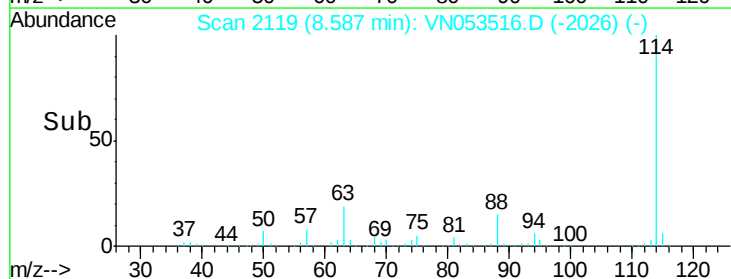
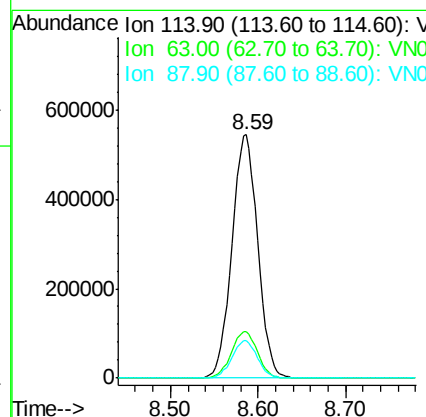
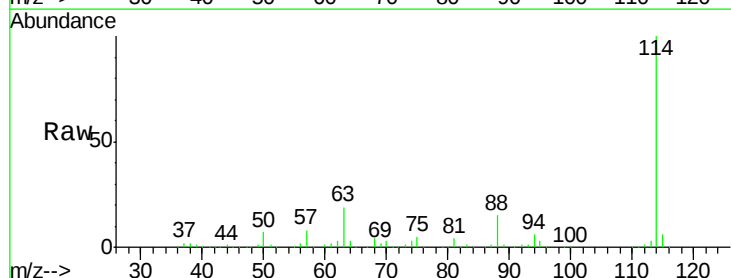
Manual Integrations
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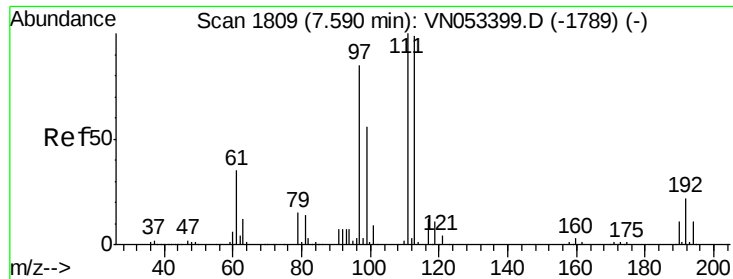
MMDadoda
 1/23/2019 11:00:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0		38.6
88	15.3	0.0		30.4





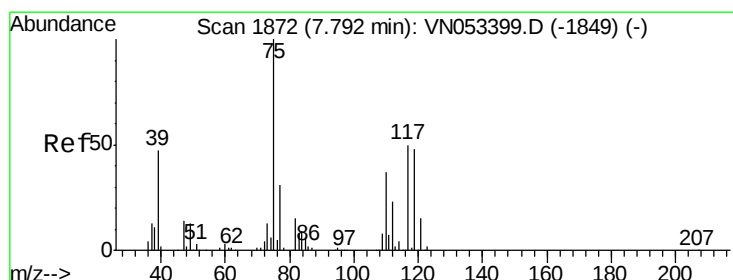
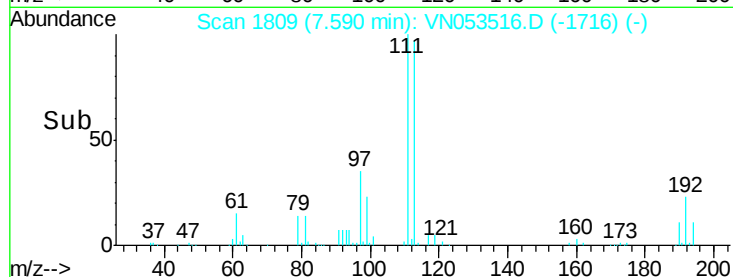
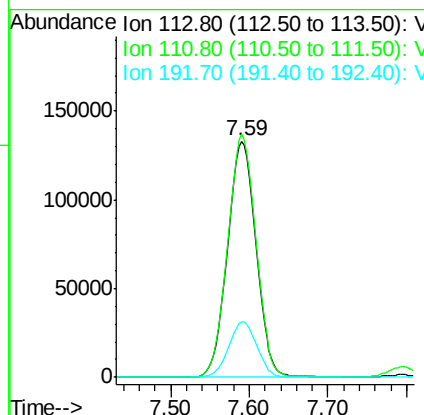
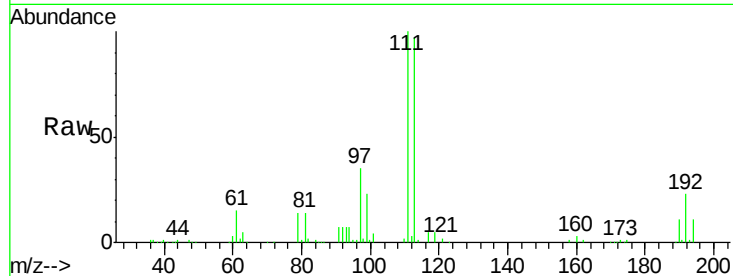
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	335226		
111	101.6	81.1	121.7	
192	23.2	18.2	27.2	

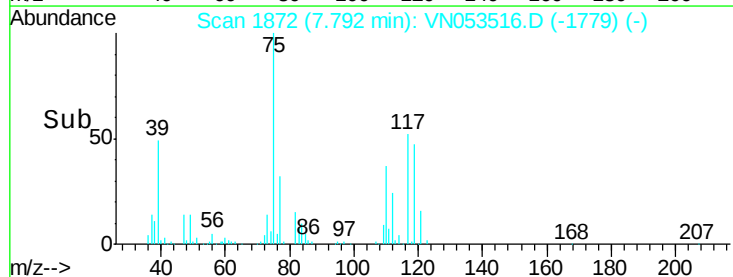
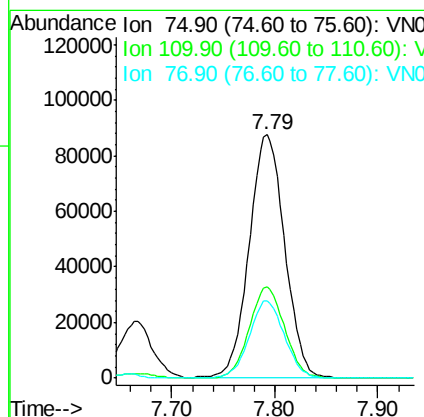
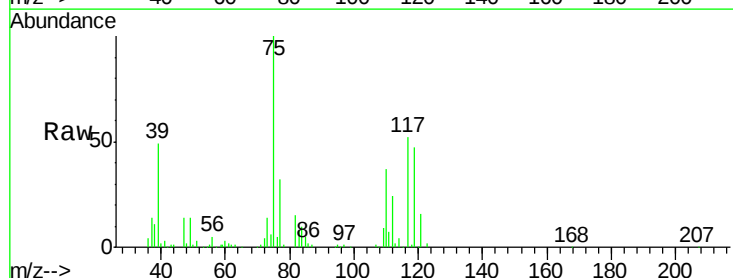
Manual Integrations
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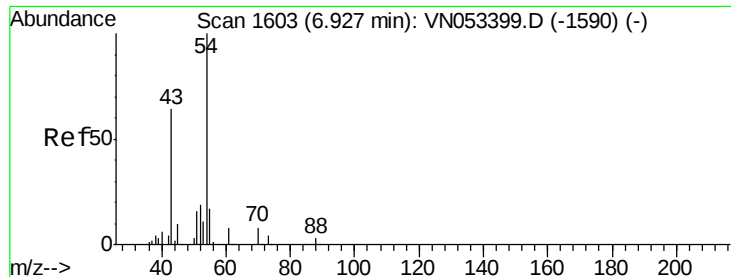
MMDadoda
 1/23/2019 11:00:53 AM



#36
 1,1-Dichloropropene
 Concen: 20.573 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	208779		
110	37.2	18.1	54.3	
77	31.7	25.1	37.7	





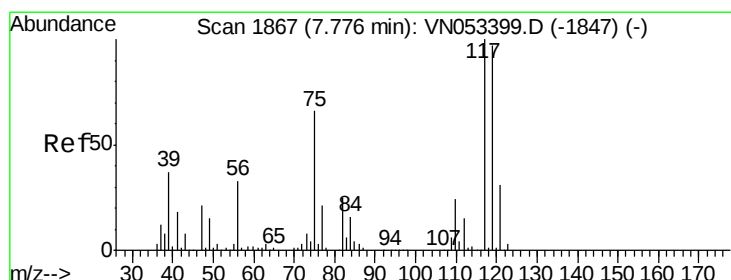
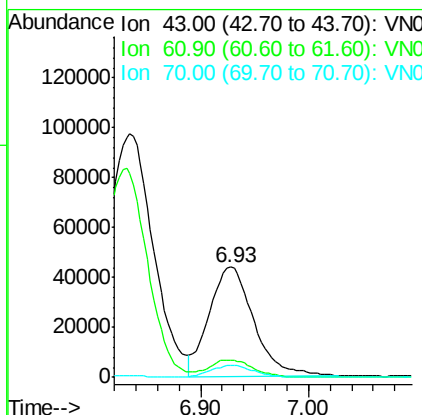
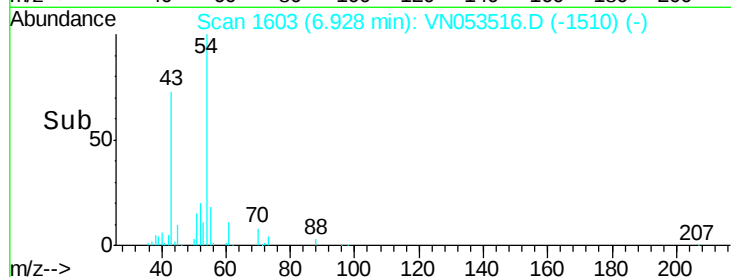
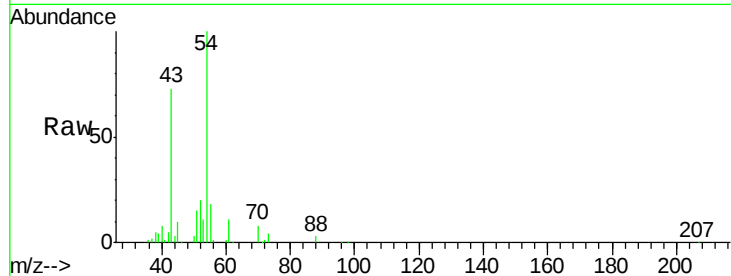
#37
Ethyl Acetate
Concen: 21.546 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.8	17.6
70	10.6	8.6	12.8

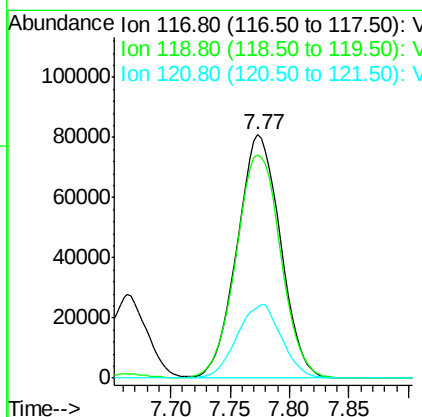
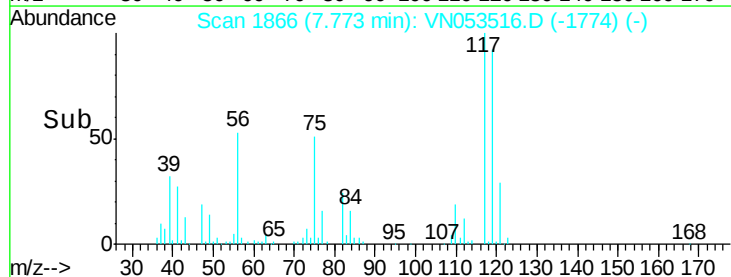
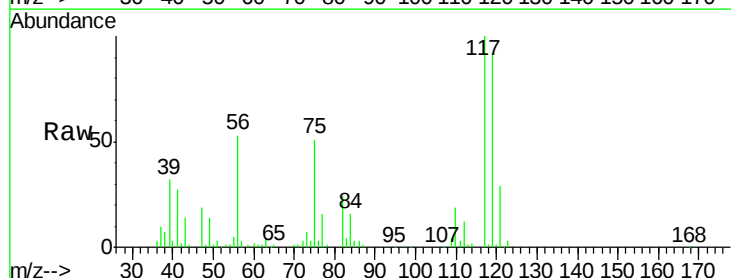
Manual Integrations
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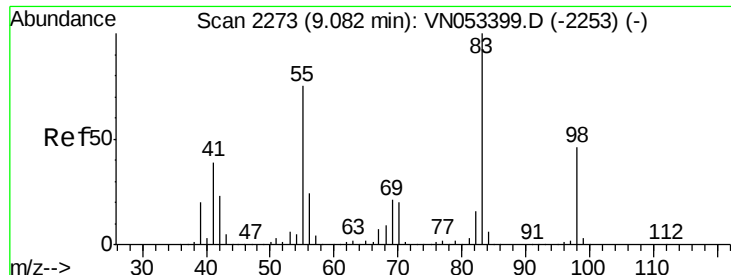
MMDadoda
1/23/2019 11:00:53 AM



#38
Carbon Tetrachloride
Concen: 21.278 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	77.2	115.8
121	29.3	24.6	37.0





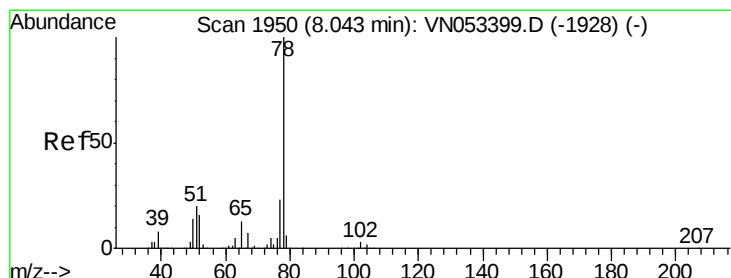
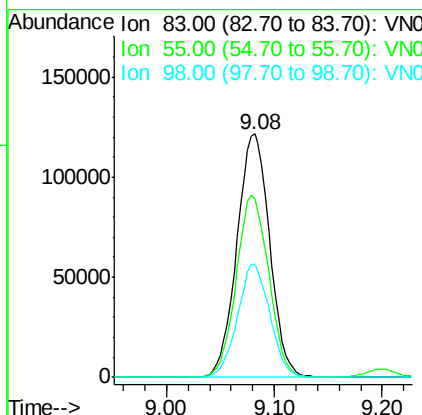
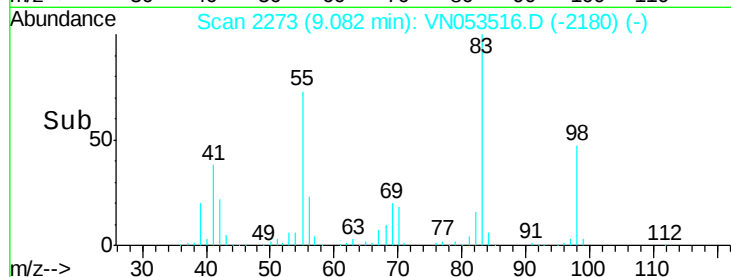
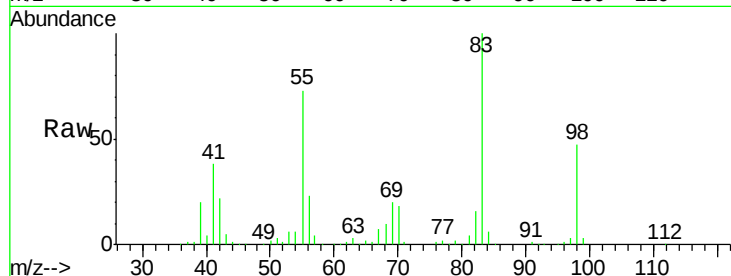
#39
Methvlcvclohexane
Concen: 20.478 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.1	60.1	90.1	
98	46.7	36.6	55.0	

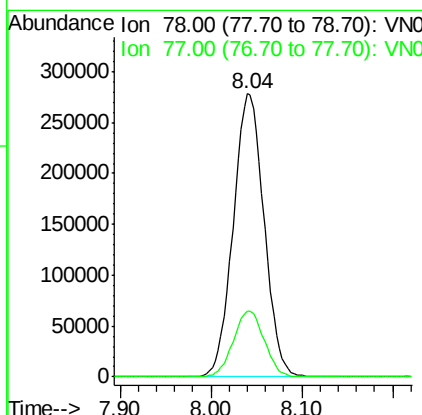
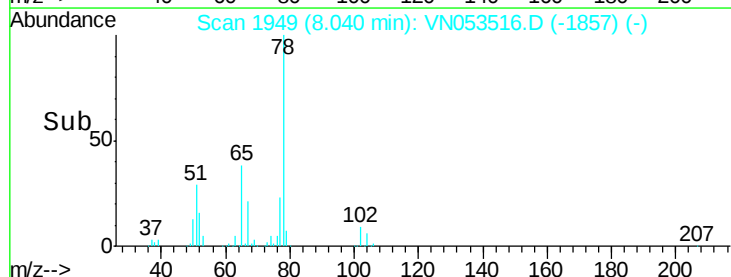
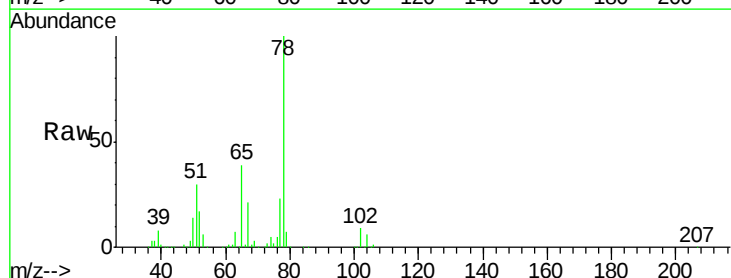
Manual Integrations
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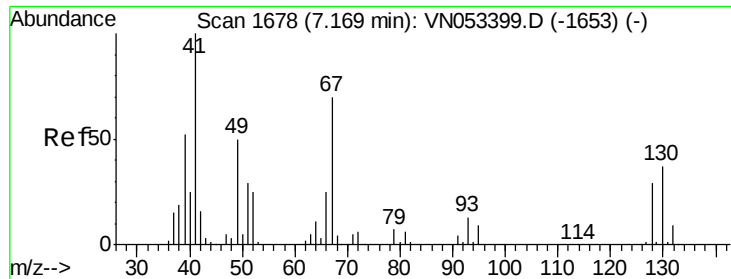
MMDadoda
1/23/2019 11:00:53 AM



#40
Benzene
Concen: 21.209 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.8	28.2	





#41

Methacrylonitrile

Concen: 20.052 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 41 Resp: 68158

Ion Ratio Lower Upper

41 100

39 64.6 46.8 70.2

67 88.2 63.0 94.6

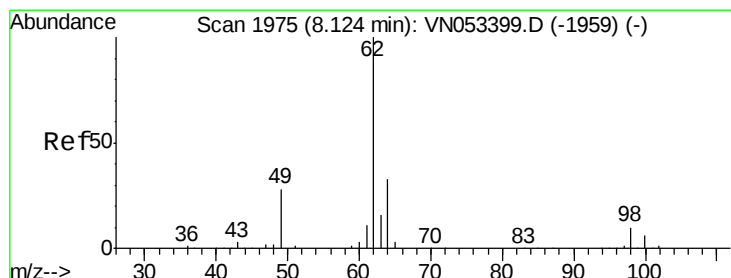
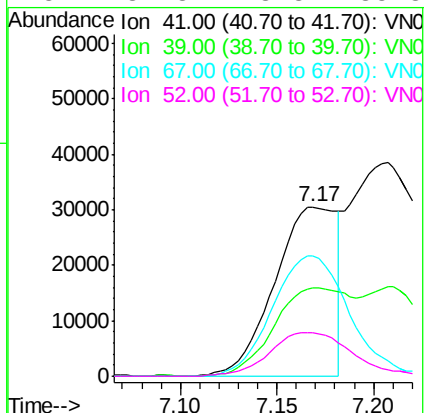
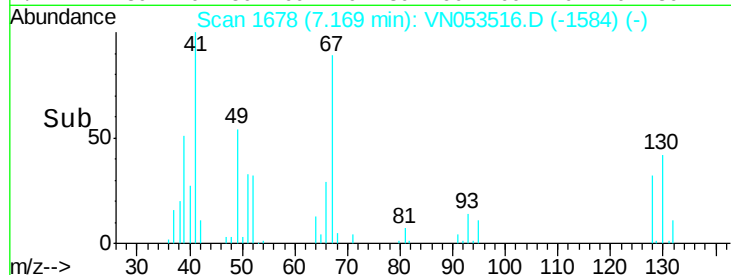
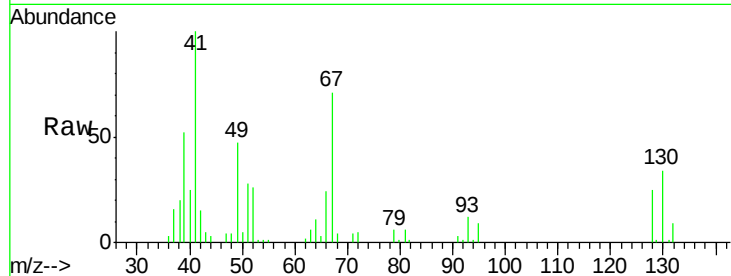
52 34.8 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

1/23/2019 11:00:53 AM



#42

1,2-Dichloroethane

Concen: 21.500 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053516.D

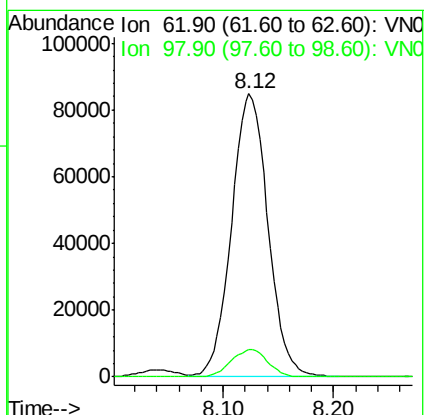
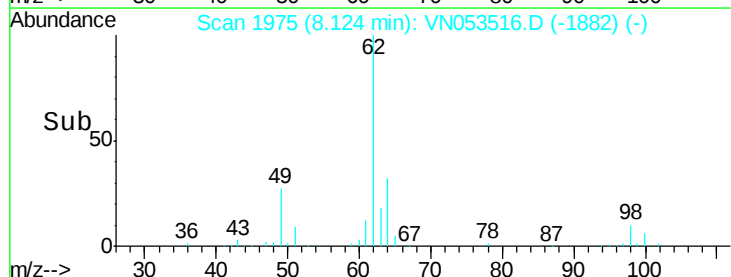
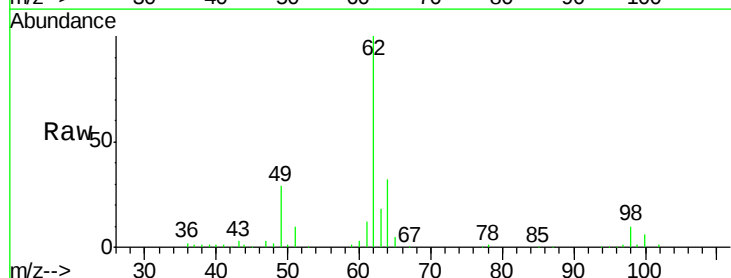
Acq: 22 Jan 2019 13:50

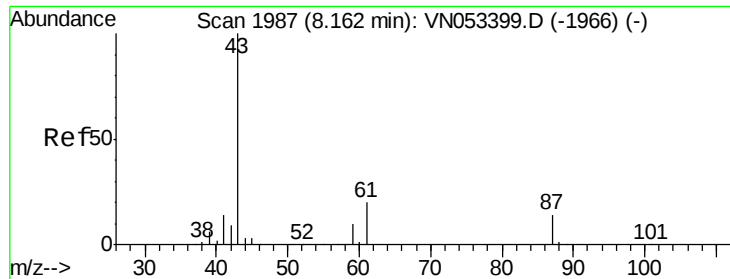
Tgt Ion: 62 Resp: 193157

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.6





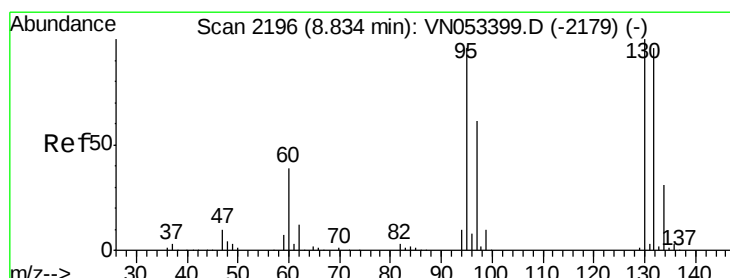
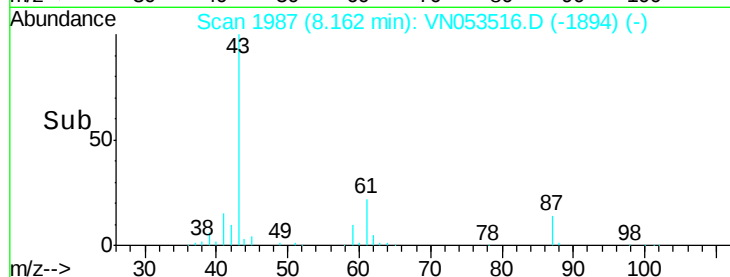
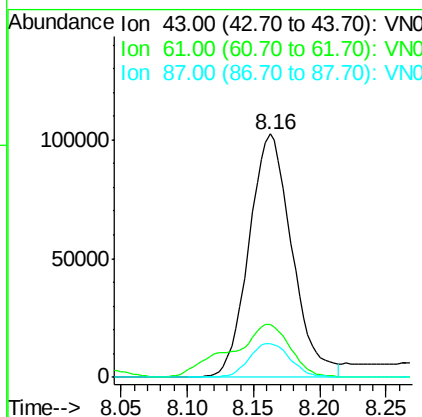
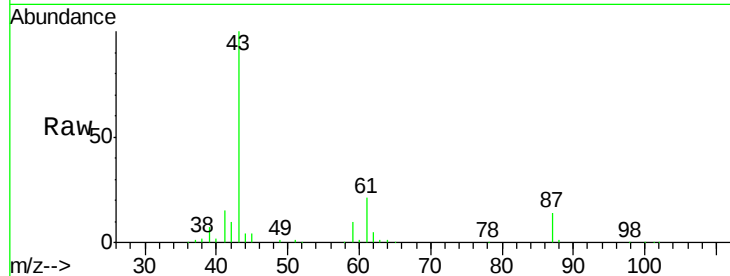
#43
Isopropyl Acetate
Concen: 21.863 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.9	35.9
87	13.6	11.0	16.6

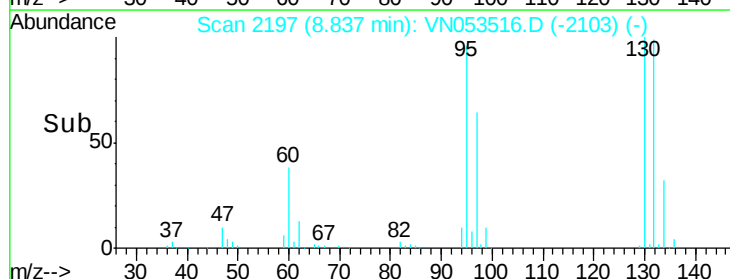
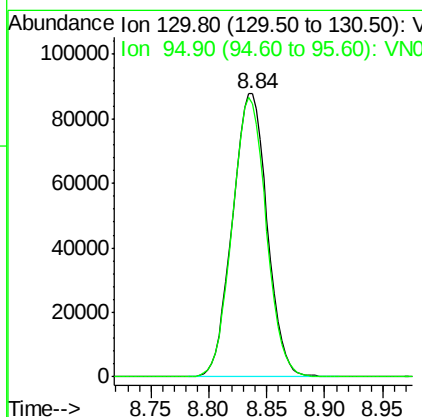
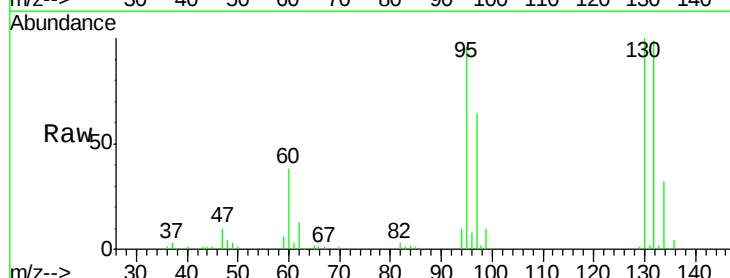
Manual Integrations
APPROVED

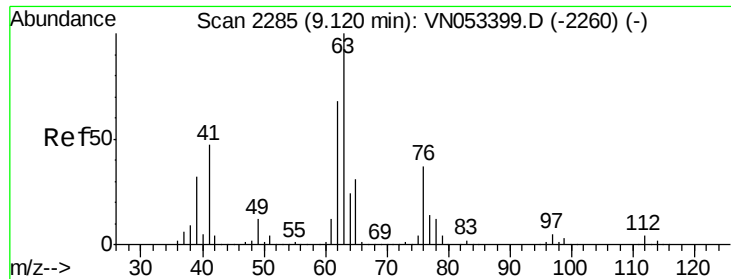
MMDadoda
1/23/2019 11:00:53 AM



#44
Trichloroethene
Concen: 21.279 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	191.4





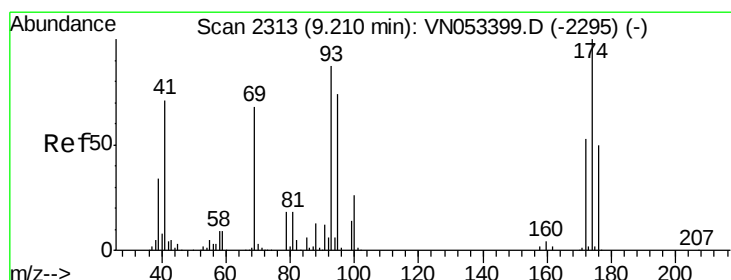
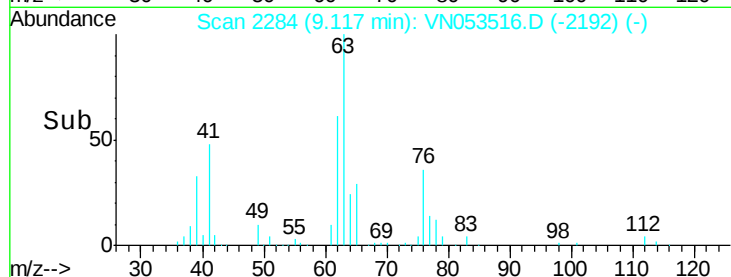
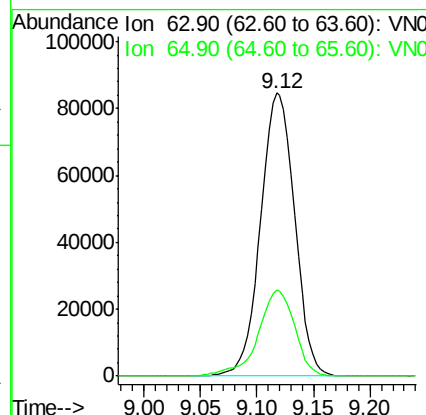
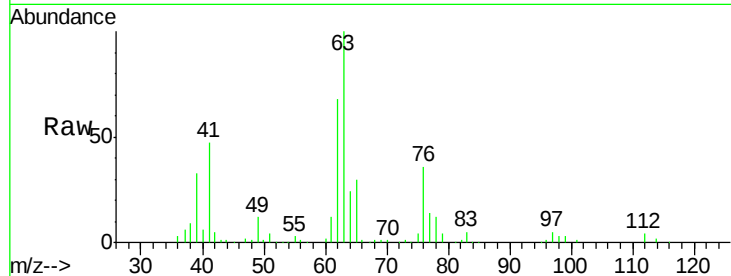
#45
 1,2-Dichloropropane
 Concen: 21.707 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion: 63 Resp: 177301
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

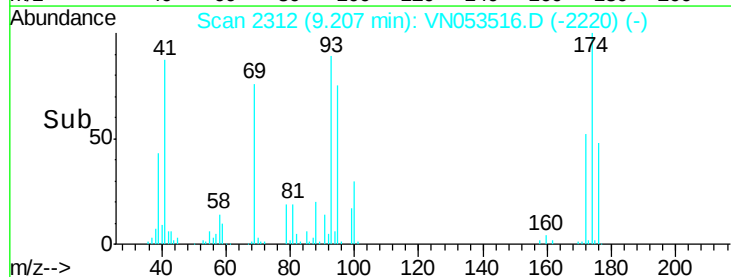
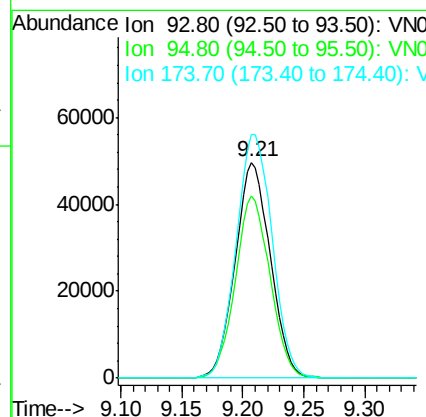
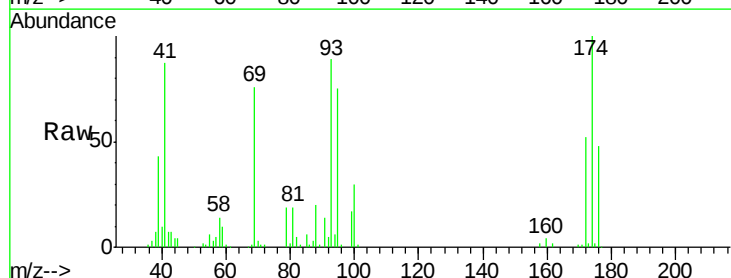
Manual Integrations
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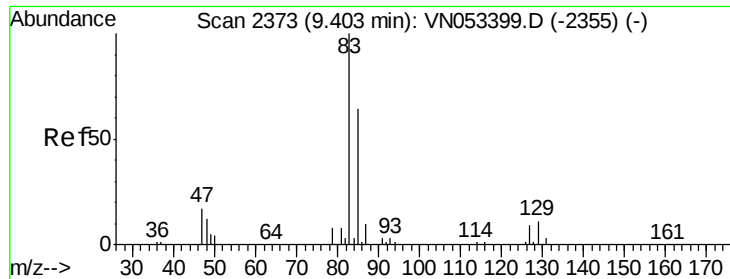
MMDadoda
 1/23/2019 11:00:53 AM



#46
 Dibromomethane
 Concen: 21.225 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 93 Resp: 99604
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.3 100.9
 174 116.0 91.0 136.4





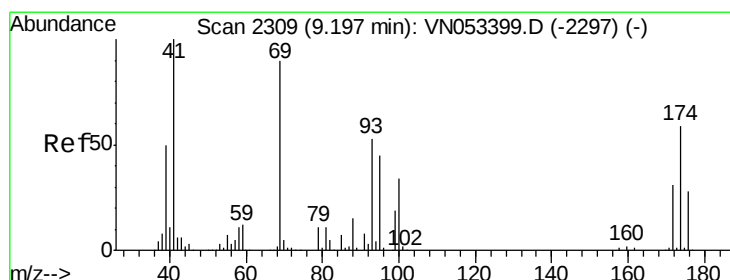
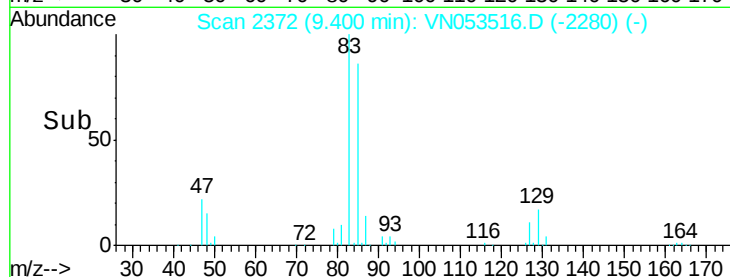
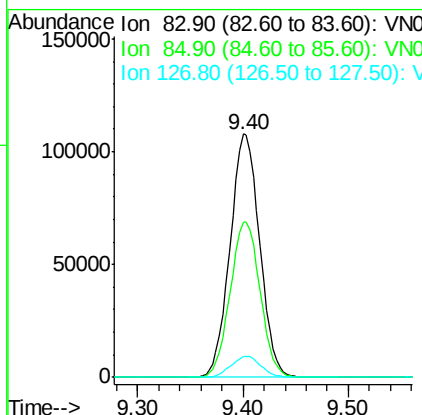
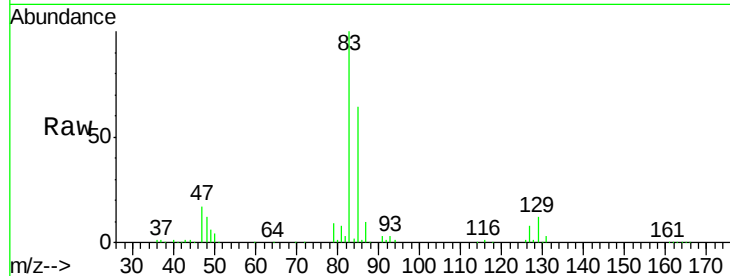
#47
Bromodichloromethane
Concen: 21.213 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:	83	Resp:	209354
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.0	76.6
127	8.5	7.0	10.6

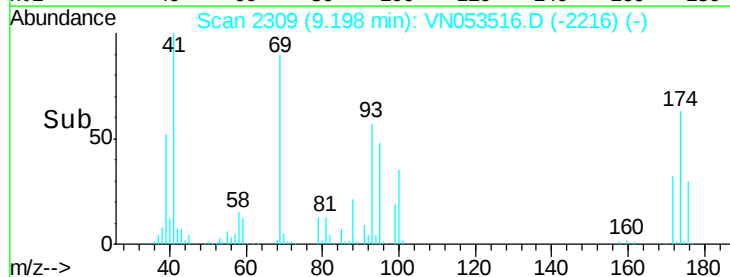
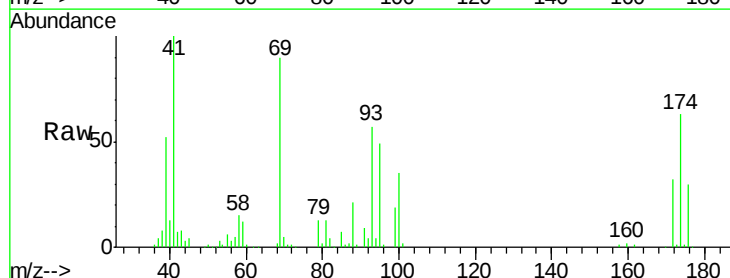
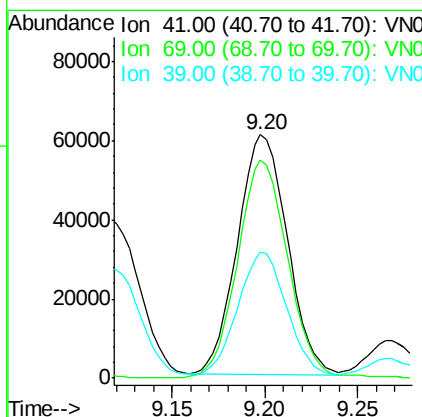
Manual Integrations
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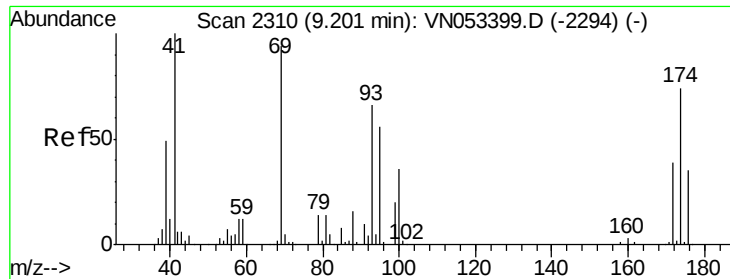
MMDadoda
1/23/2019 11:00:53 AM



#48
Methyl methacrylate
Concen: 20.828 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:	41	Resp:	112898
Ion Ratio	Lower	Upper	
41	100		
69	92.0	73.8	110.6
39	52.6	40.0	60.0





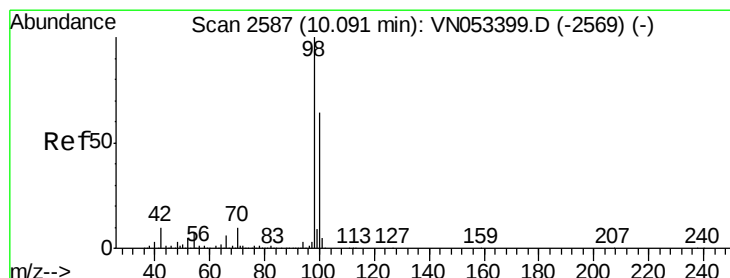
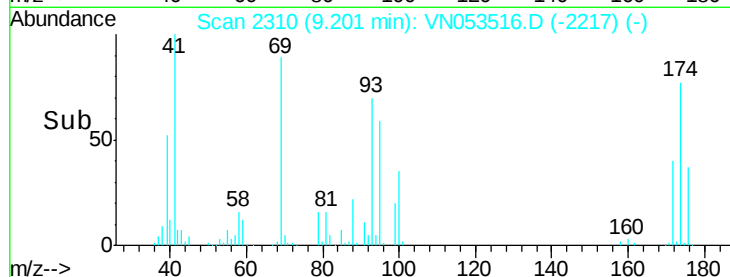
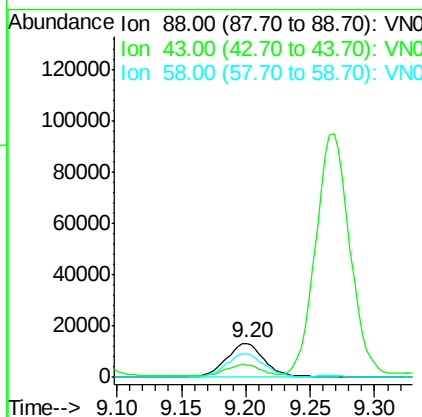
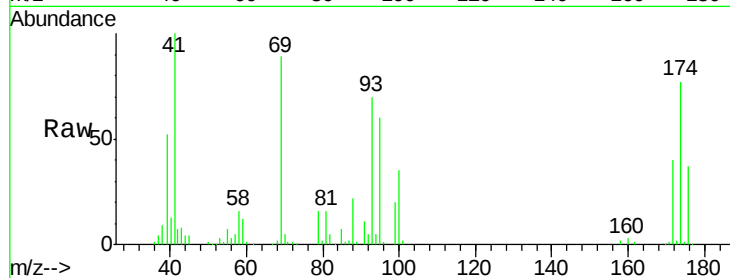
#49
1,4-Dioxane
Concen: 515.986 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	88	Resp	27315
Ion	Ratio	Lower	Upper
88	100		
43	31.9	27.8	41.6
58	69.7	56.5	84.7

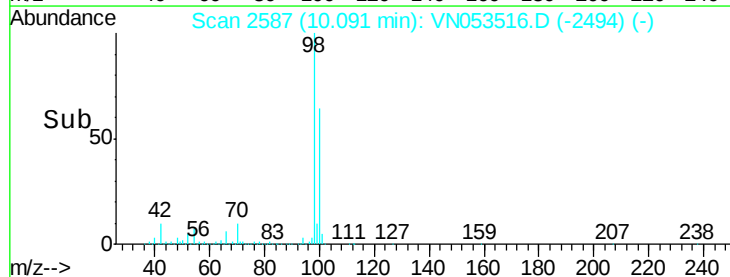
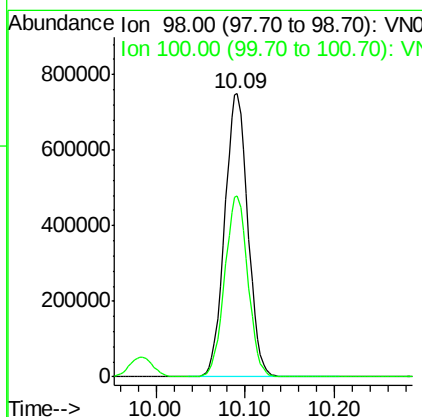
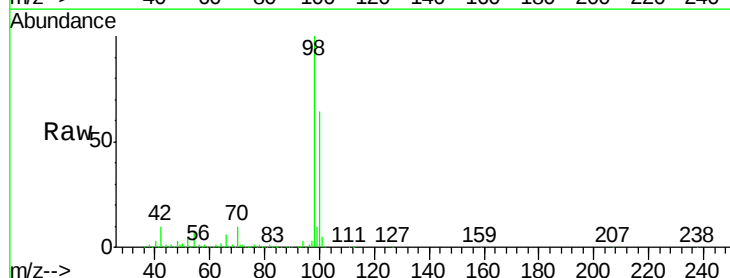
Manual Integrations
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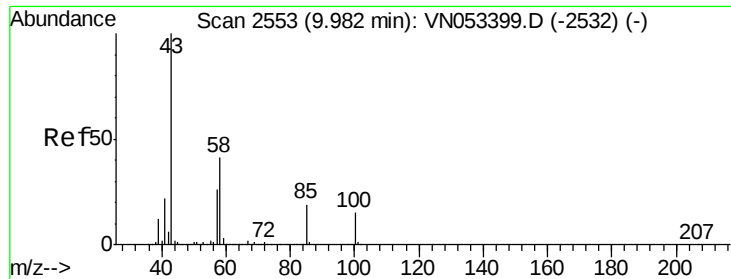
MMDadoda
1/23/2019 11:00:53 AM



#50
Toluene-d8
Concen: 515.986 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	98	Resp	1346006
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 109.445 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 43 Resp: 627219

Ion Ratio Lower Upper

43 100

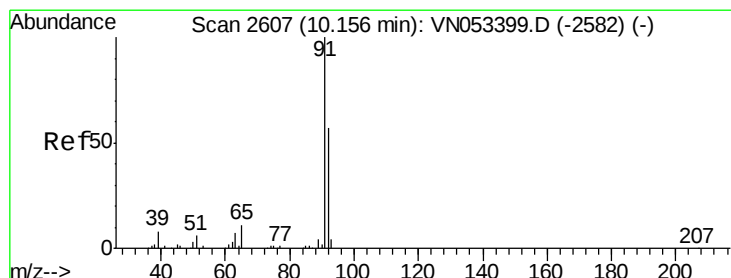
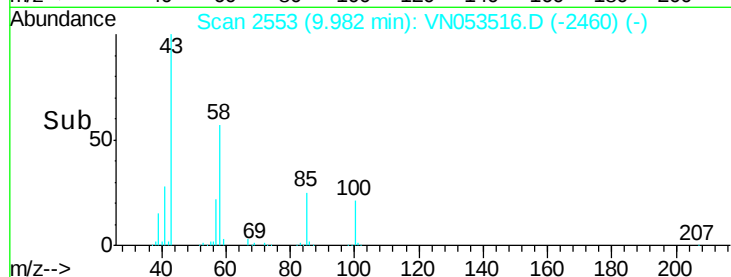
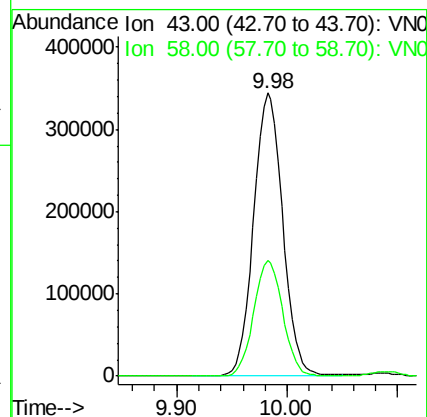
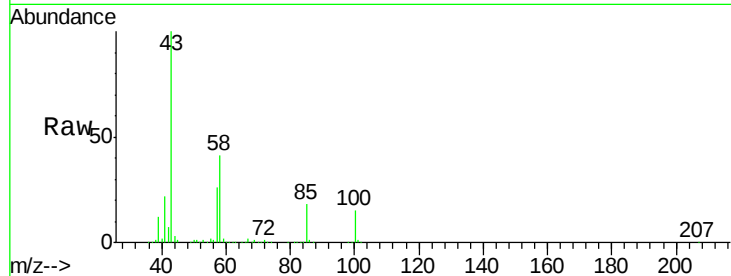
58 41.1 32.8 49.2

Manual Integrations

APPROVED

MMDadoda

1/23/2019 11:00:53 AM



#52

Toluene

Concen: 20.826 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053516.D

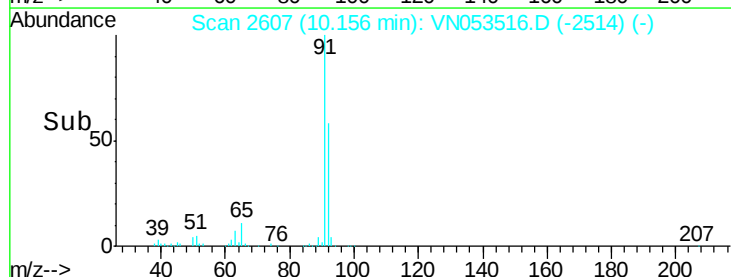
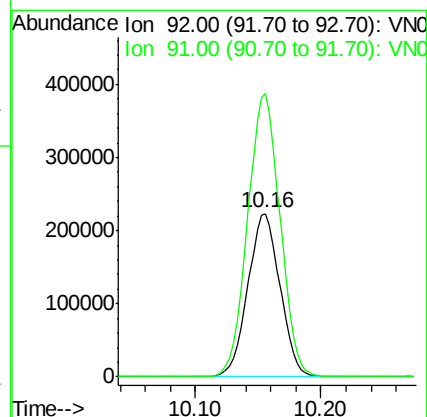
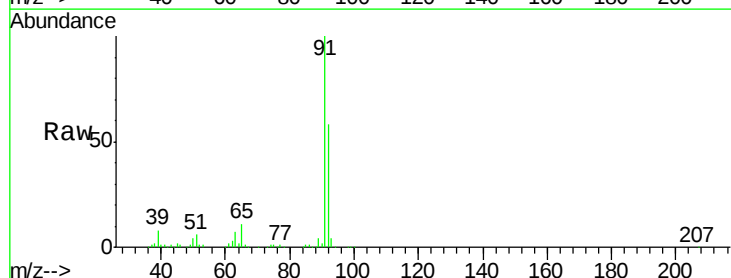
Acq: 22 Jan 2019 13:50

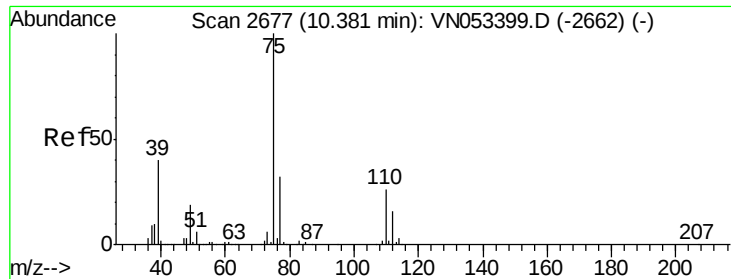
Tgt Ion: 92 Resp: 398702

Ion Ratio Lower Upper

92 100

91 175.0 139.9 209.9





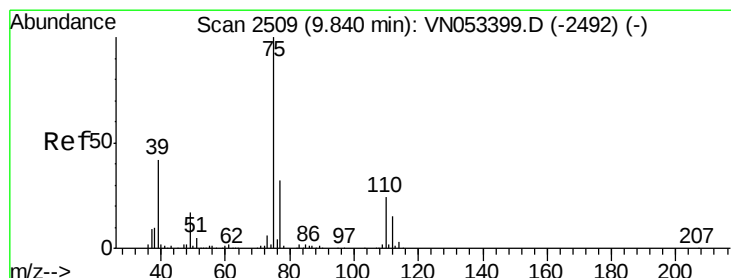
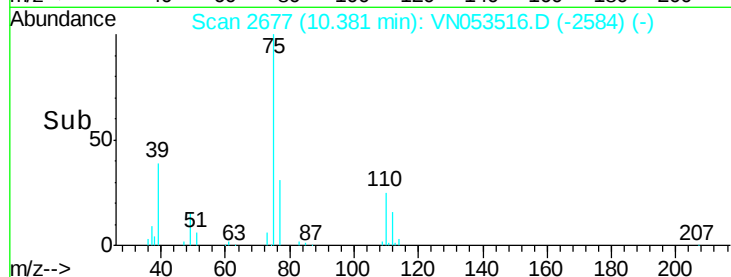
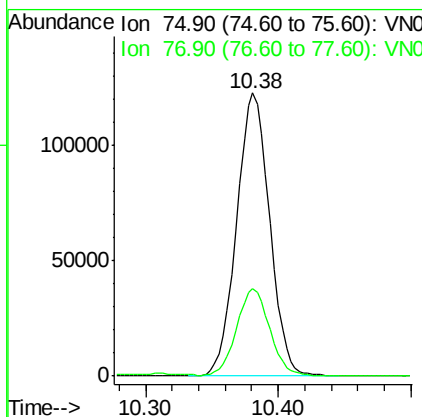
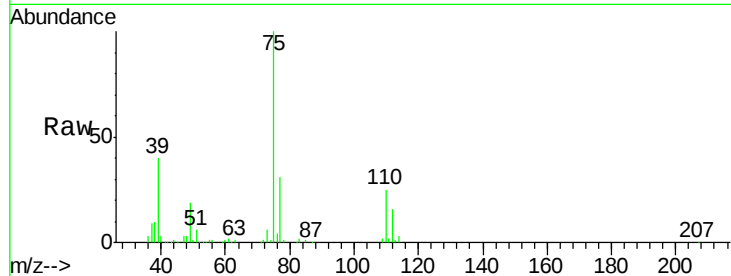
#53
t-1,3-Dichloropropene
Concen: 21.186 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3

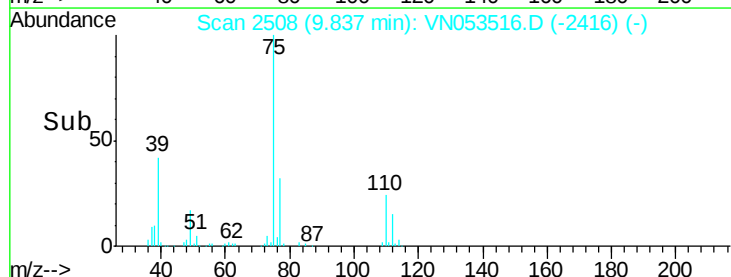
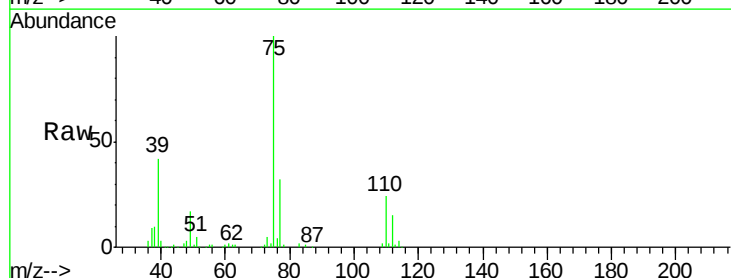
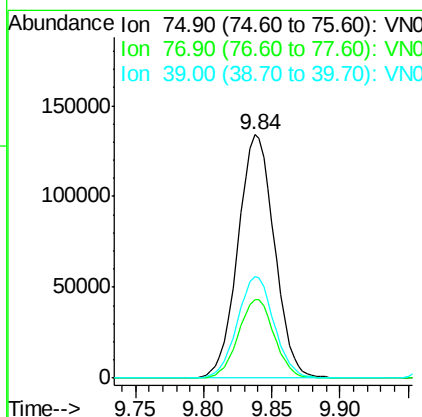
Manual Integrations
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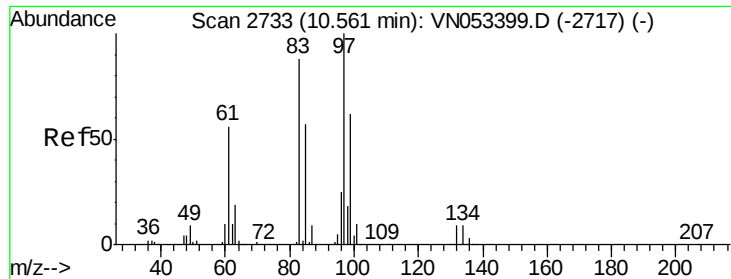
MMDadoda
1/23/2019 11:00:53 AM



#54
cis-1,3-Dichloropropene
Concen: 21.244 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	41.6	33.4	50.0





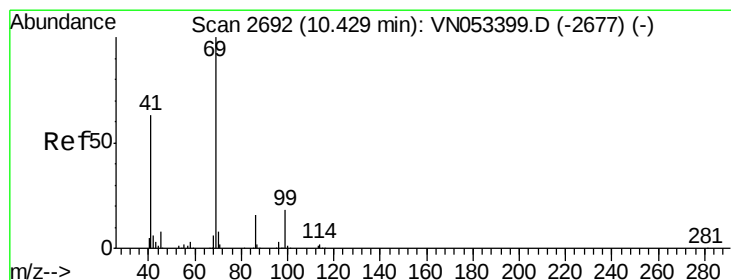
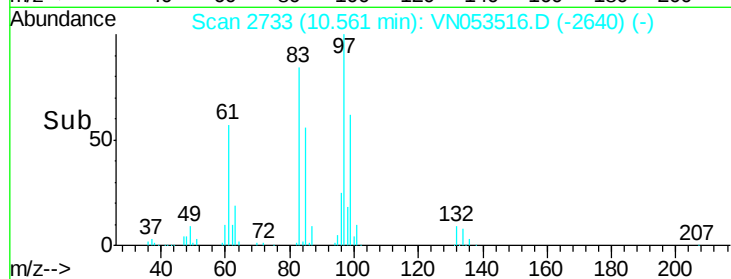
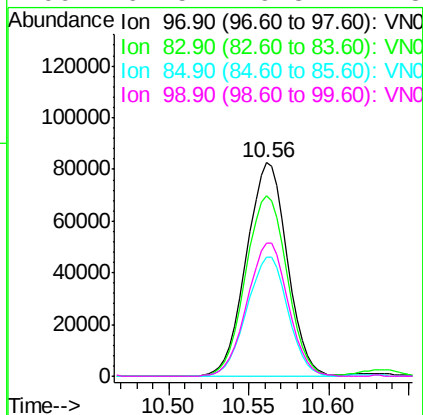
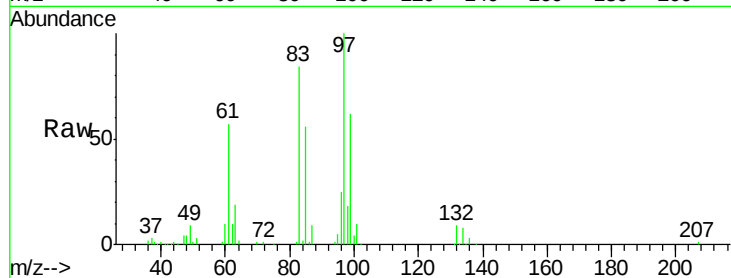
#55
 1,1,2-Trichloroethane
 Concen: 21.953 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion:	97	Resp:	144897
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.1	105.1
85	55.6	45.4	68.0
99	62.5	49.8	74.8

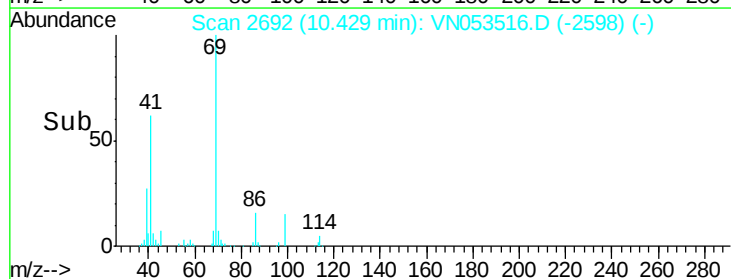
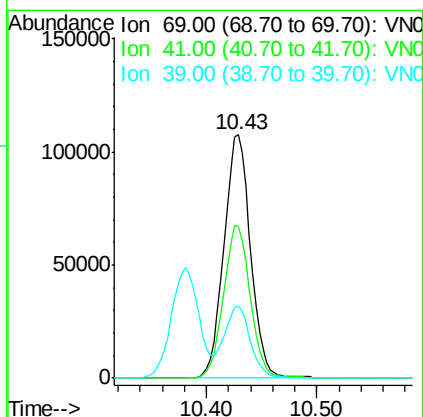
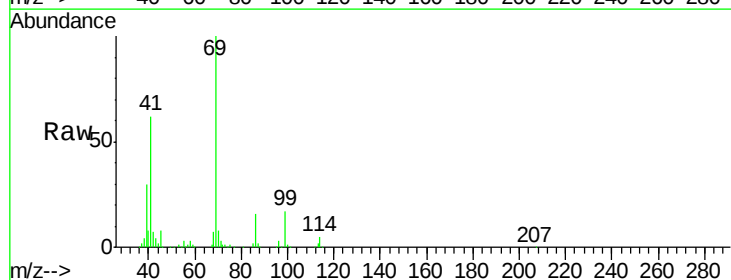
Manual Integrations
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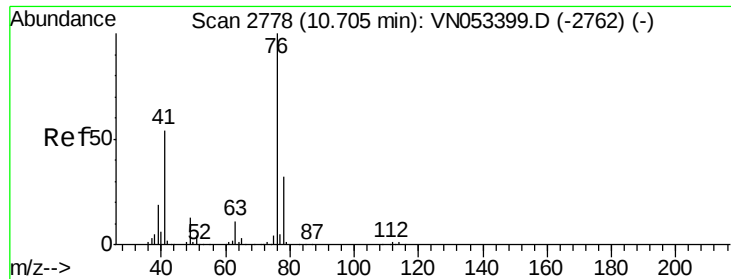
MMDadoda
 1/23/2019 11:00:53 AM



#56
 Ethyl methacrylate
 Concen: 20.465 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion:	69	Resp:	179825
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.4	74.0
39	28.7	23.3	34.9





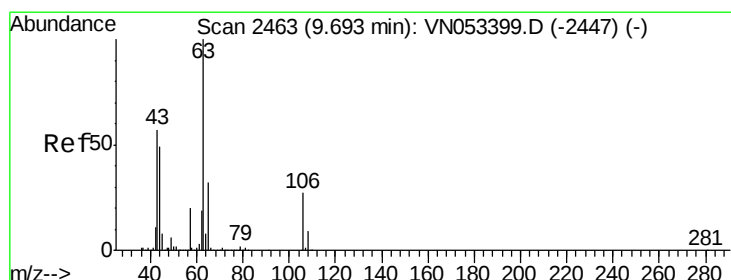
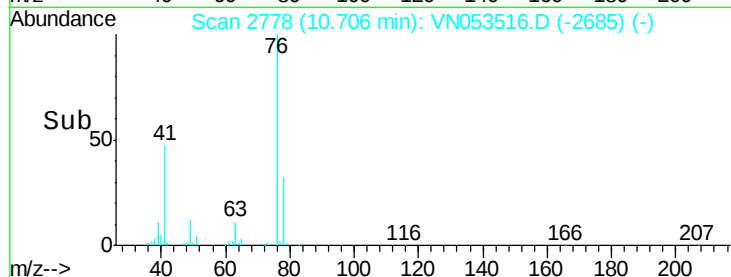
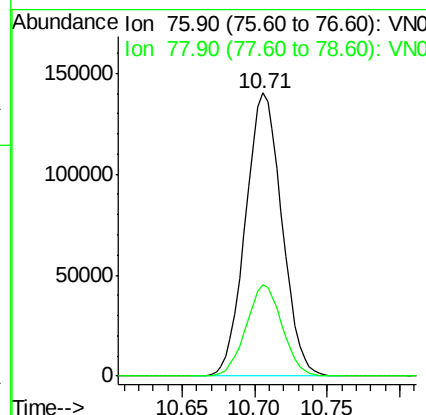
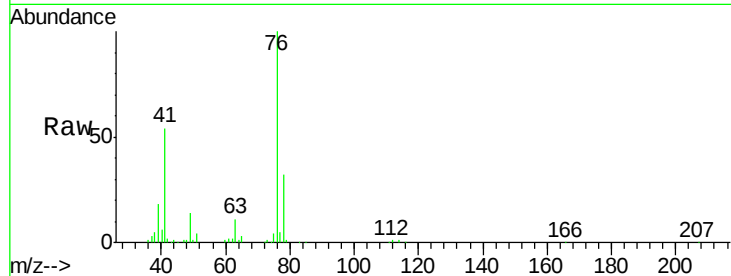
#57
 1,3-Dichloropropane
 Concen: 21.520 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion: 76 Resp: 245717
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

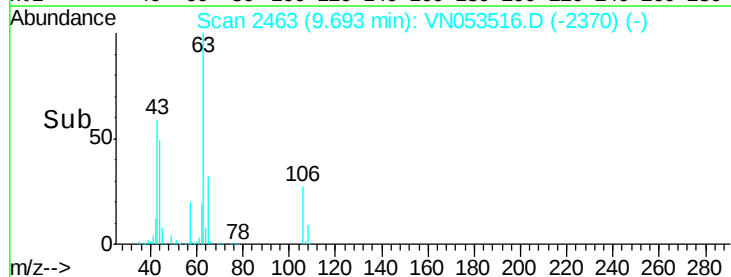
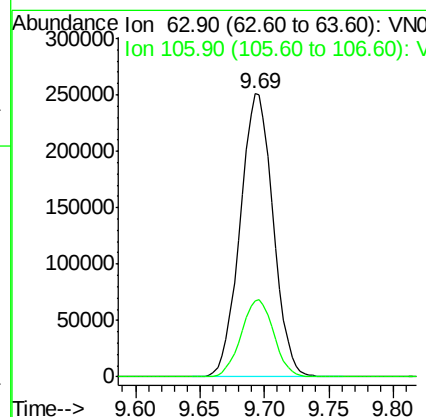
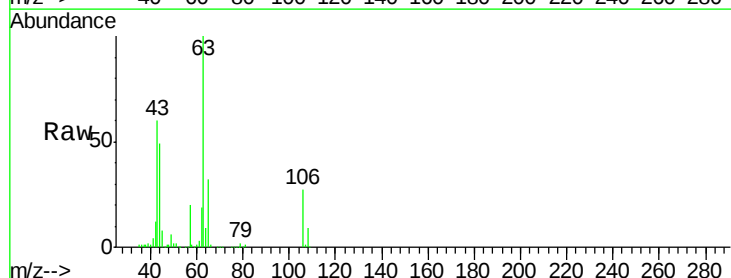
Manual Integrations
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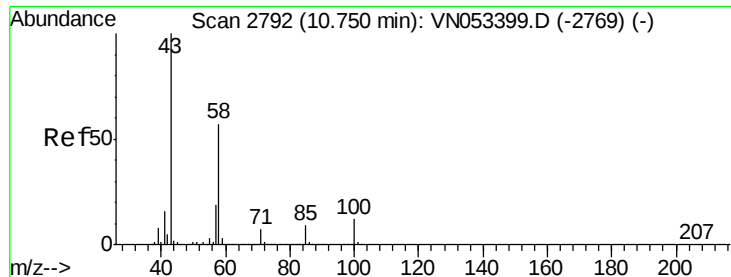
MMDadoda
 1/23/2019 11:00:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.802 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 63 Resp: 446992
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.5 32.3





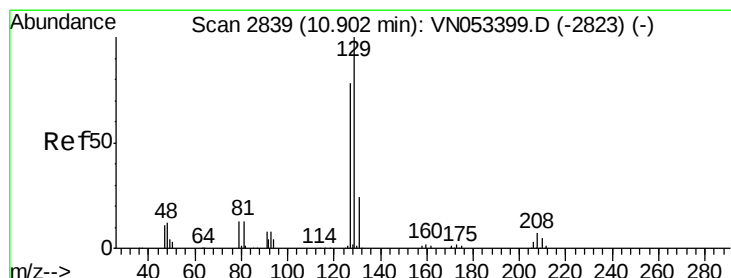
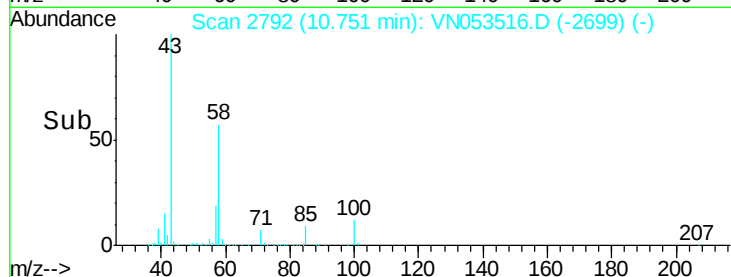
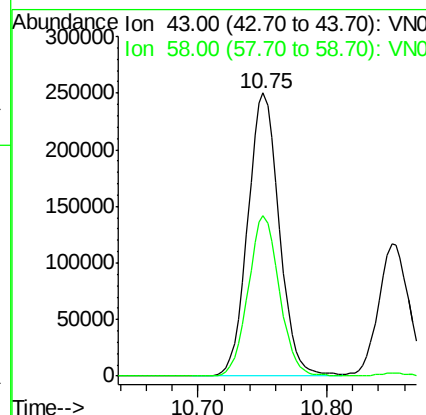
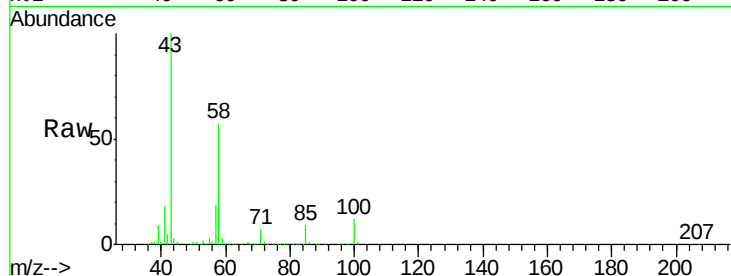
#59
2-Hexanone
Concen: 105.013 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion: 43 Resp: 422470
Ion Ratio Lower Upper
43 100
58 56.7 28.6 85.8

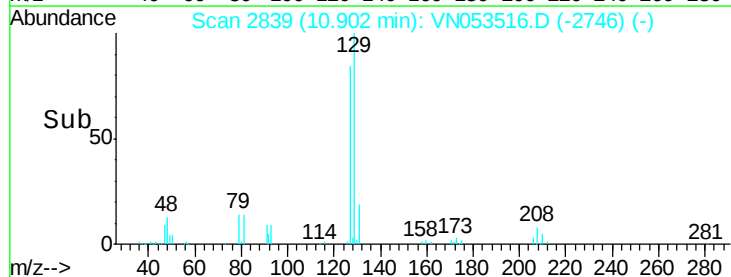
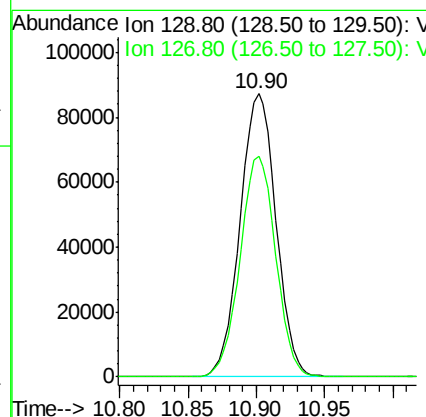
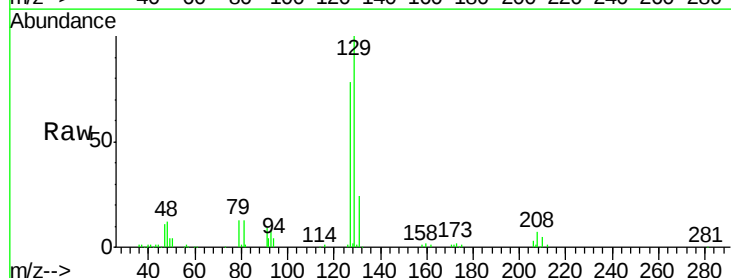
Manual Integrations
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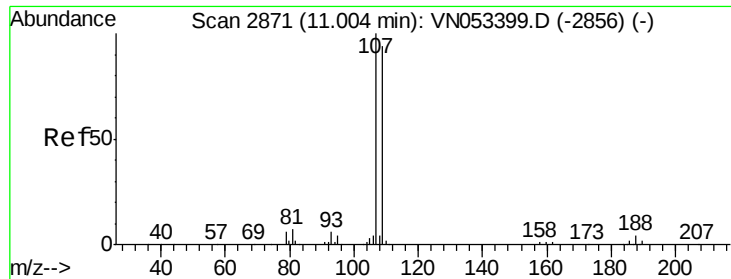
MMDadoda
1/23/2019 11:00:53 AM



#60
Dibromochloromethane
Concen: 21.336 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 129 Resp: 159730
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





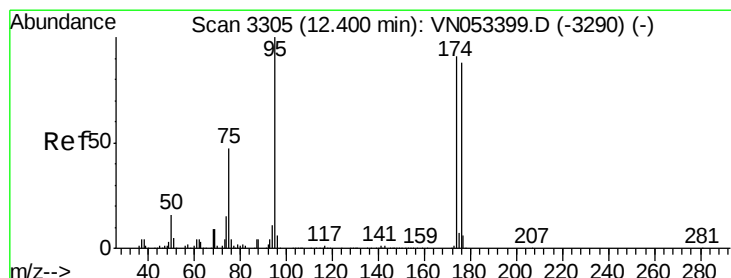
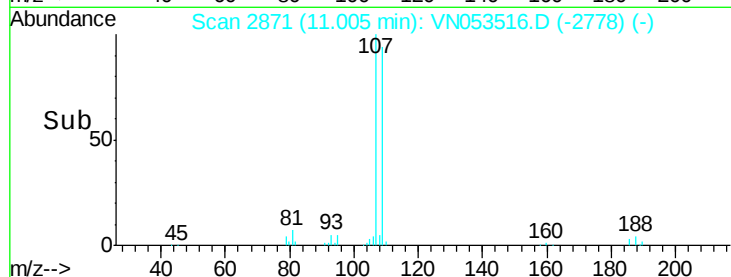
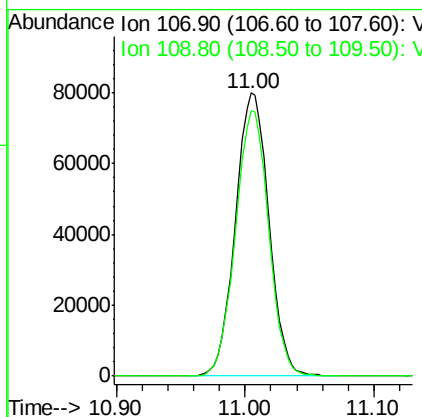
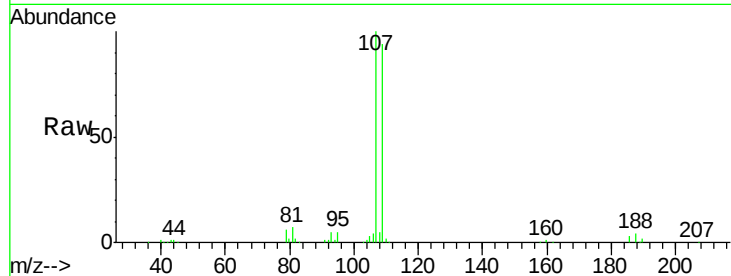
#61
 1,2-Dibromoethane
 Concen: 21.579 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.7	113.5

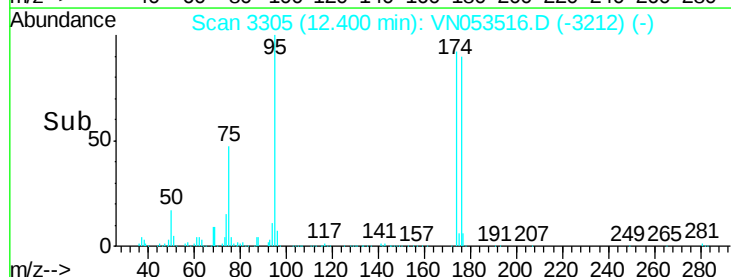
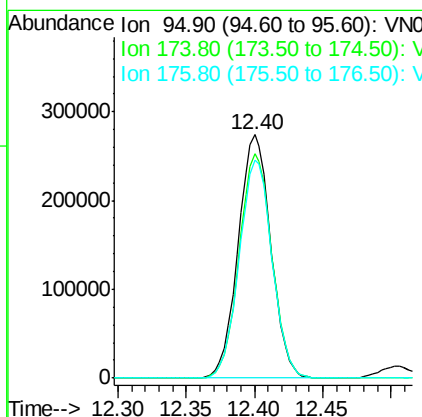
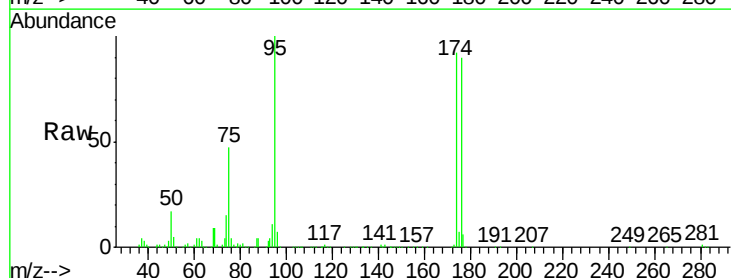
Manual Integrations
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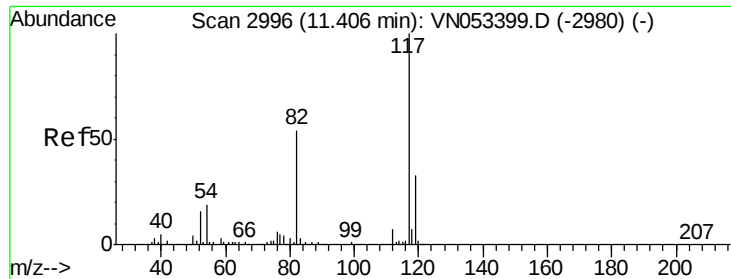
MMDadoda
 1/23/2019 11:00:53 AM



#62
 4-Bromofluorobenzene
 Concen: 21.579 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	183.2
176	89.8	0.0	177.4





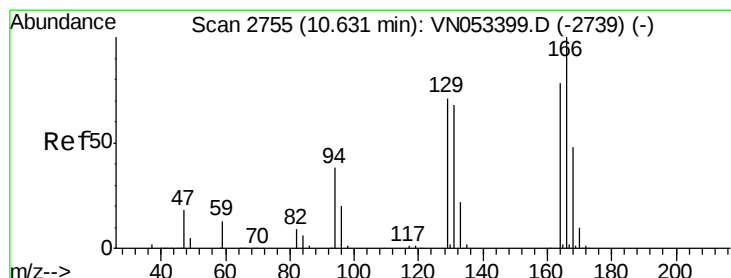
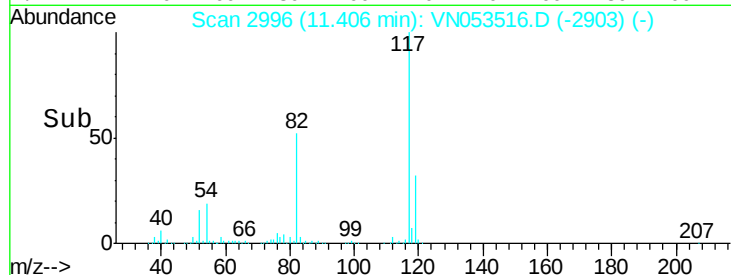
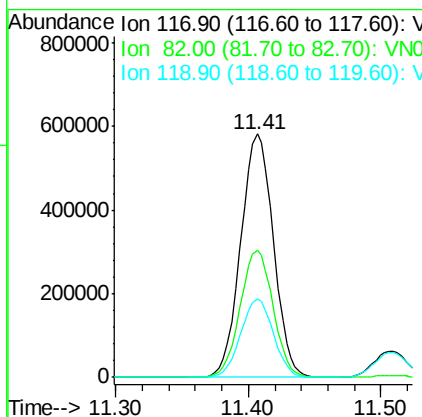
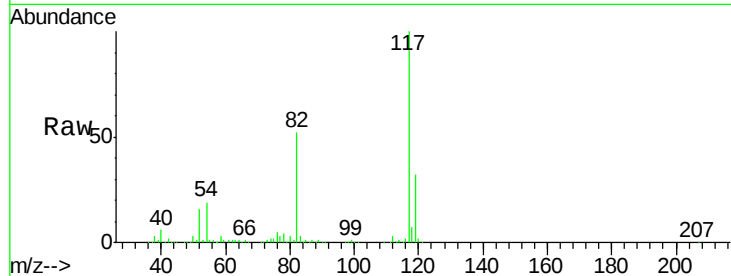
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	996379		
82	52.3		42.9	64.3
119	32.1		26.0	39.0

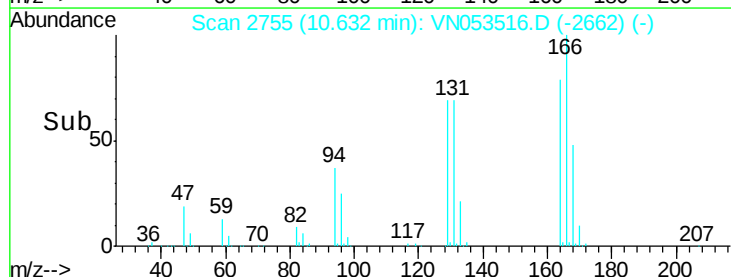
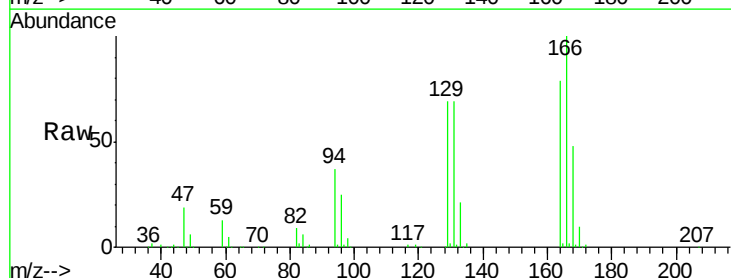
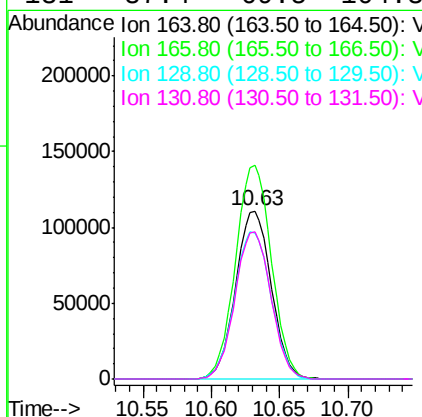
Manual Integrations
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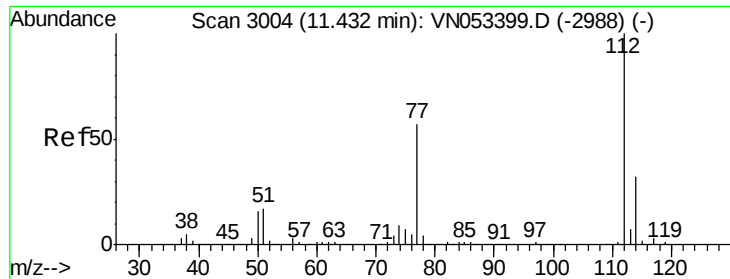
MMDadoda
1/23/2019 11:00:53 AM



#64
Tetrachloroethene
Concen: 21.408 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201017		
166	127.3		102.2	153.4
129	87.2		72.6	109.0
131	87.4		69.5	104.3





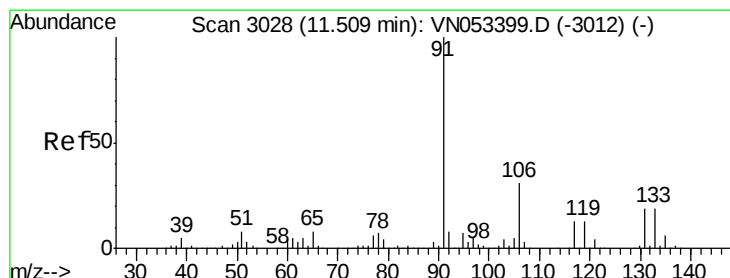
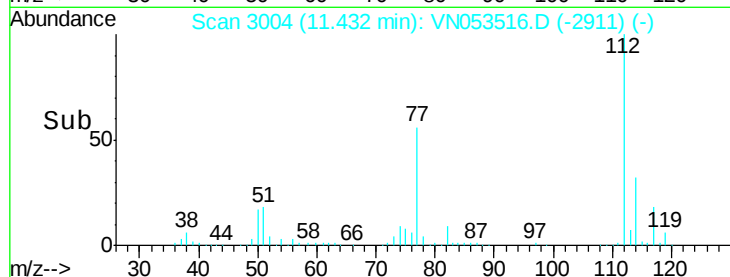
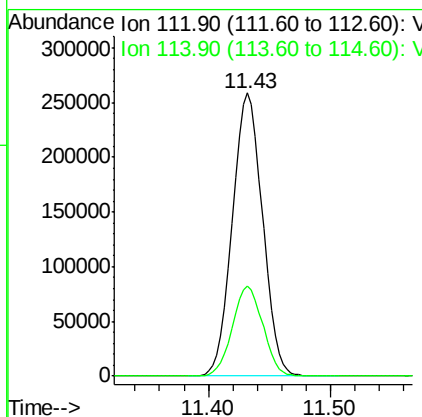
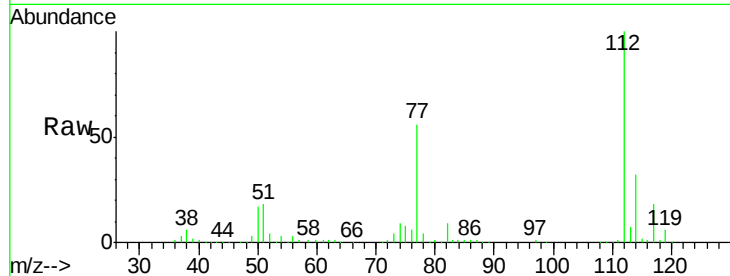
#65
Chlorobenzene
Concen: 21.106 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:112 Resp: 445120
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

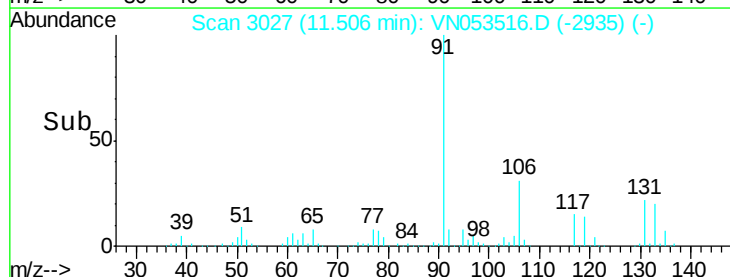
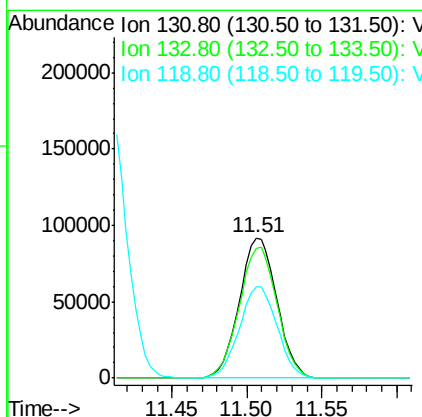
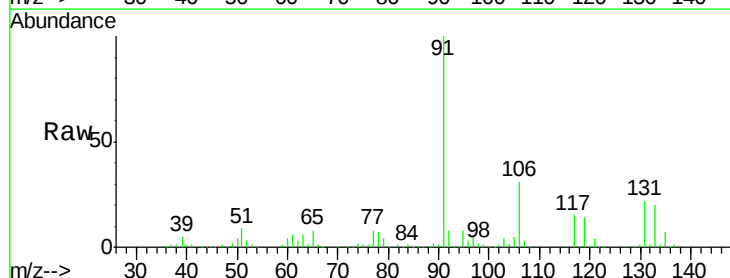
Manual Integrations
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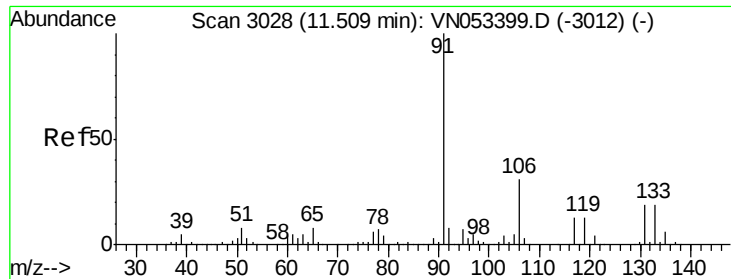
MMDadoda
1/23/2019 11:00:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.888 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:131 Resp: 160593
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 65.7 33.5 100.5





#67

Ethyl Benzene

Concen: 20.916 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

Tot Ion: 91 Resp: 751779

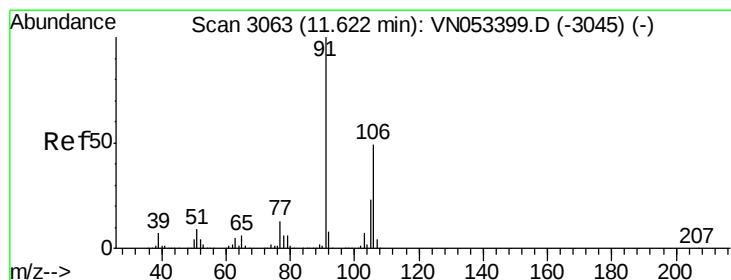
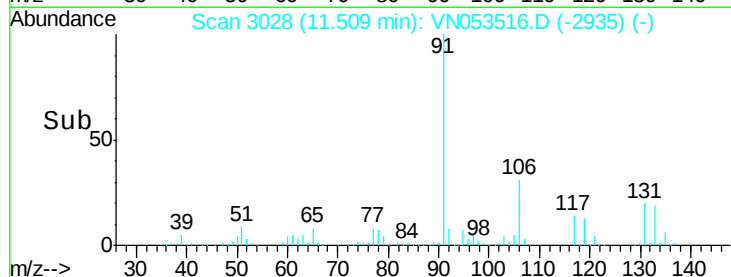
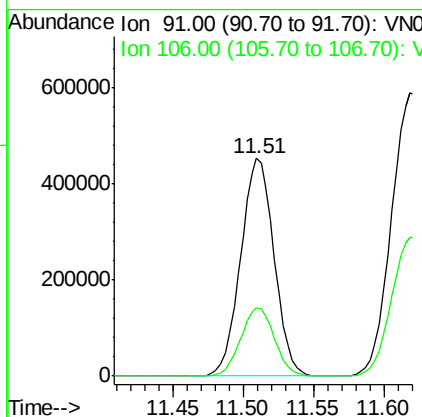
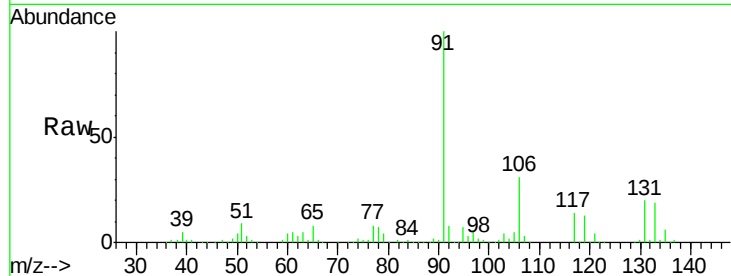
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6

Manual Integrations
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MMDadoda
1/23/2019 11:00:53 AM



#68

m/p-Xylenes

Concen: 42.753 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053516.D

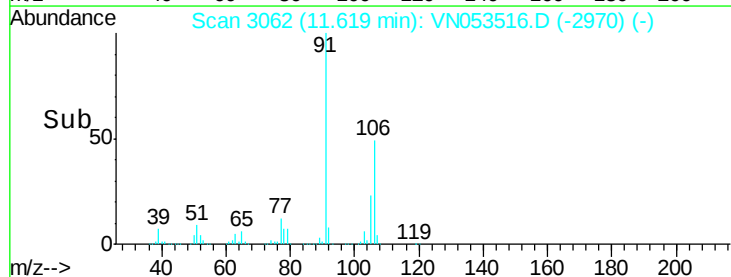
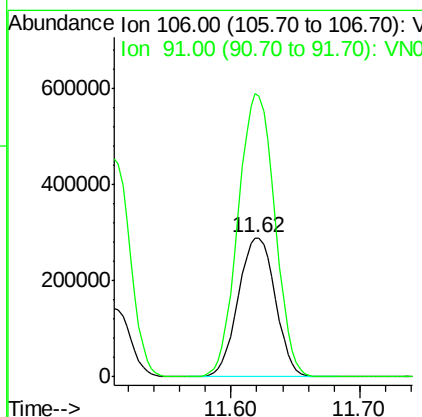
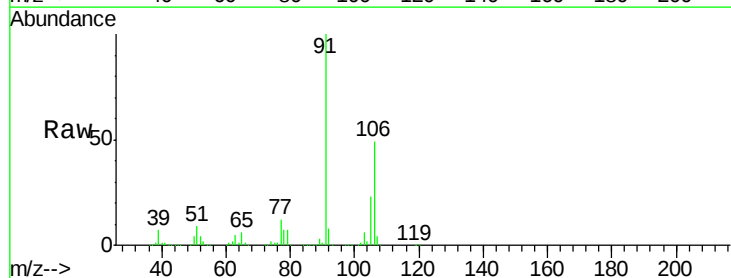
Acq: 22 Jan 2019 13:50

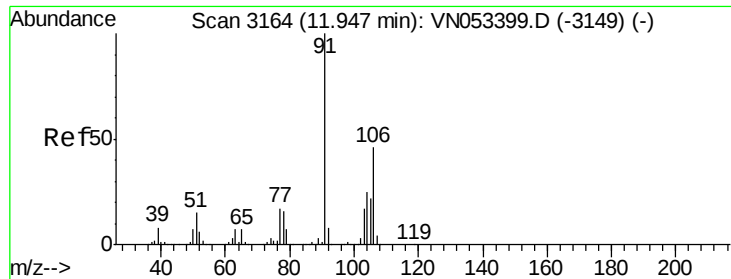
Tgt Ion: 106 Resp: 580166

Ion Ratio Lower Upper

106 100

91 201.5 161.4 242.2





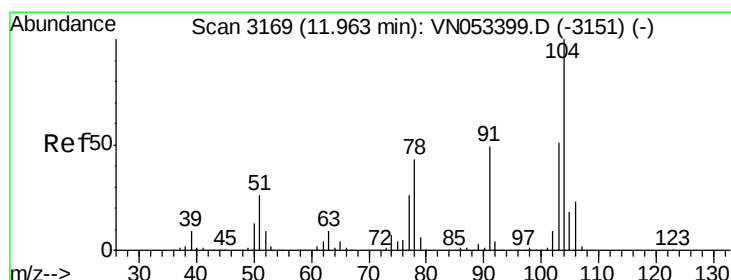
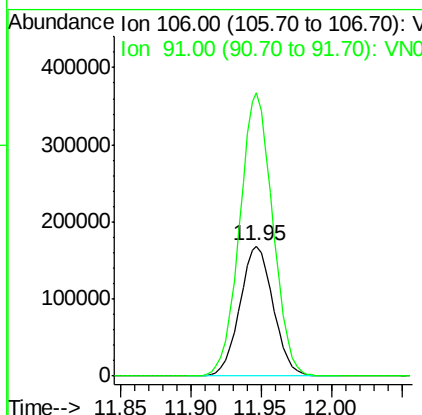
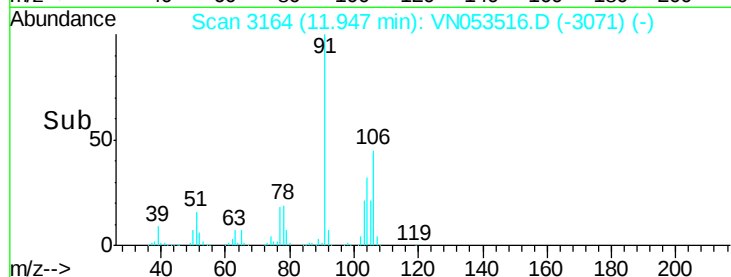
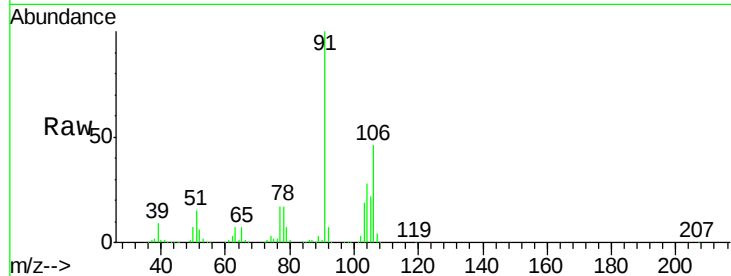
#69
o-Xylene
Concen: 21.166 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		279101		
91	215.9	106.9	320.8		

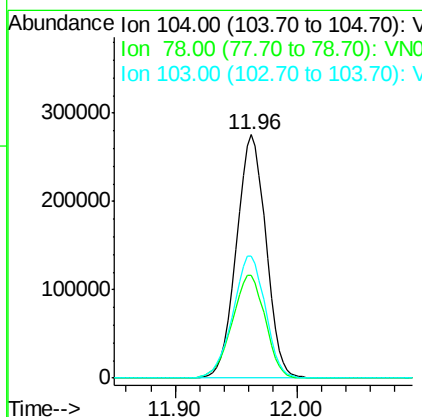
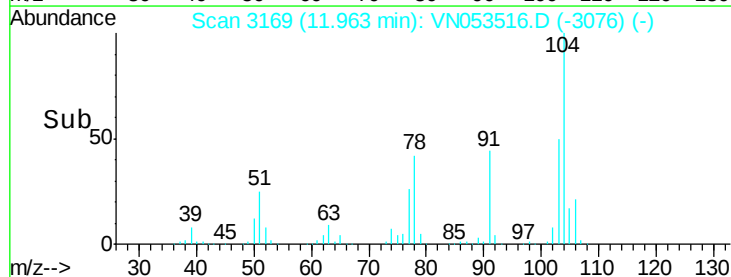
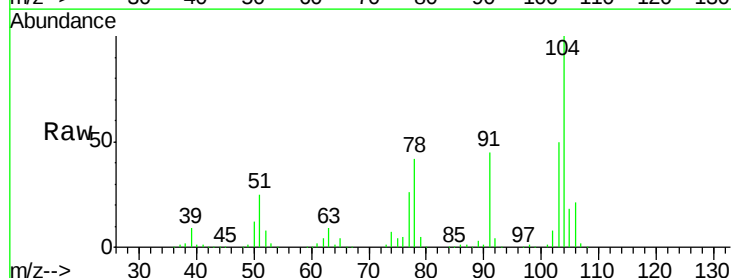
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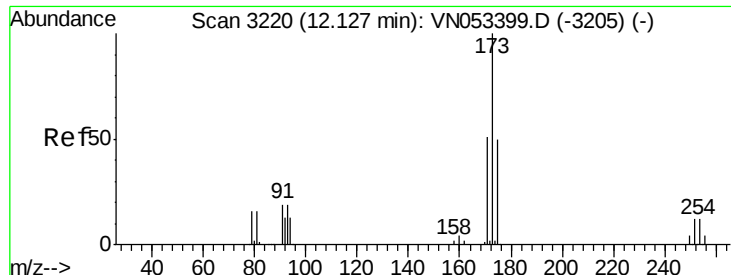
MMDadoda
1/23/2019 11:00:53 AM



#70
Styrene
Concen: 21.487 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		459831		
78	47.6	38.2	57.2		
103	55.6	44.4	66.6		





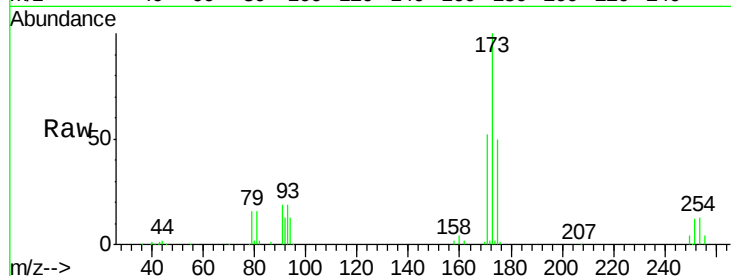
#71
Bromoform
Concen: 21.619 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

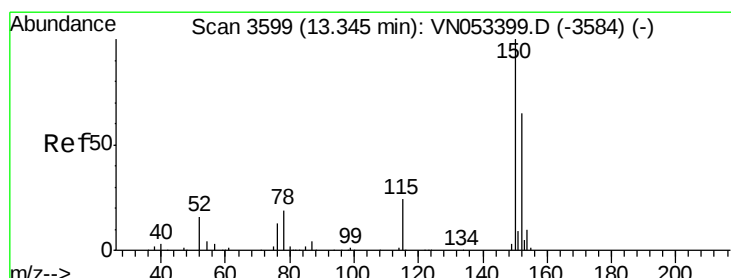
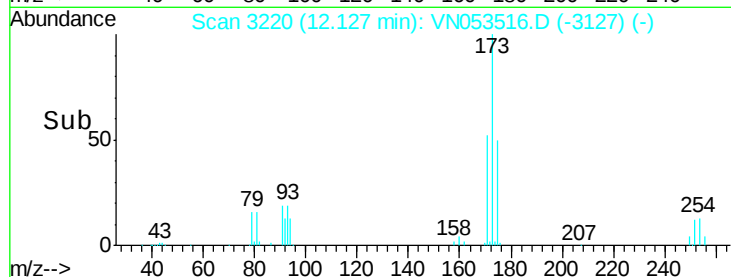
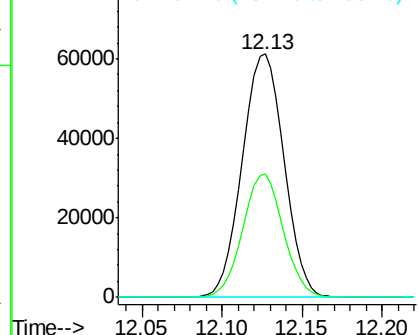
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.2	0.2

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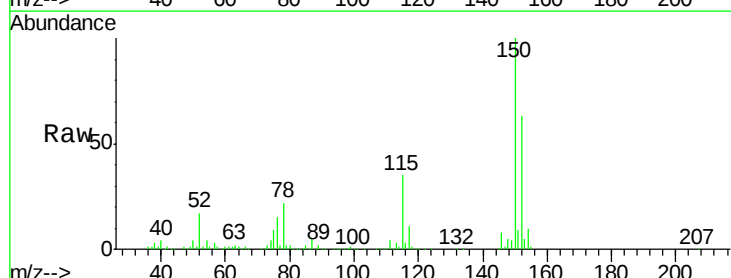


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

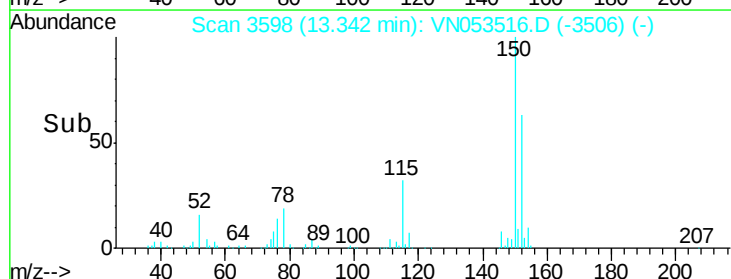
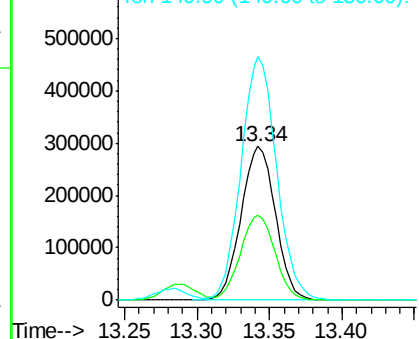


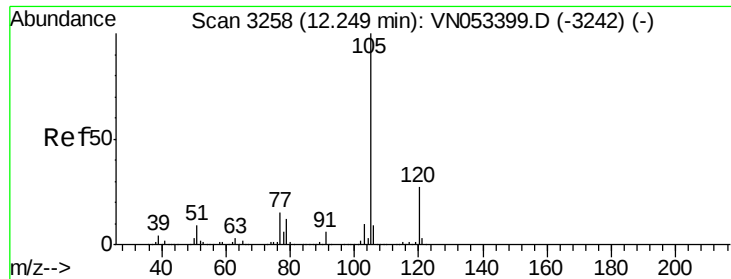
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	164.3	0.0	349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.170 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

Tot Ion:105 Resp: 748104

Ion Ratio Lower Upper

105 100

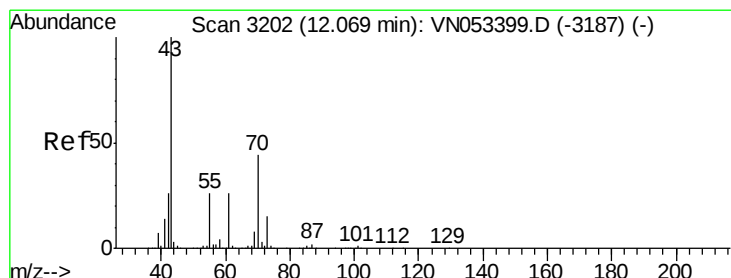
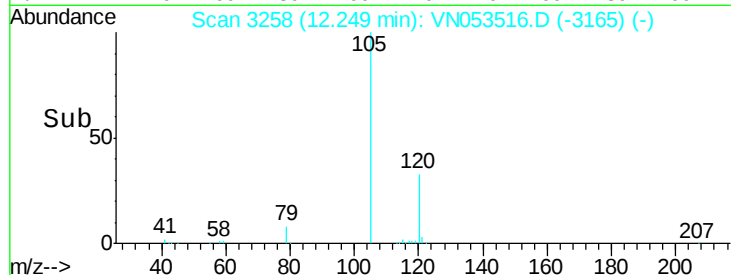
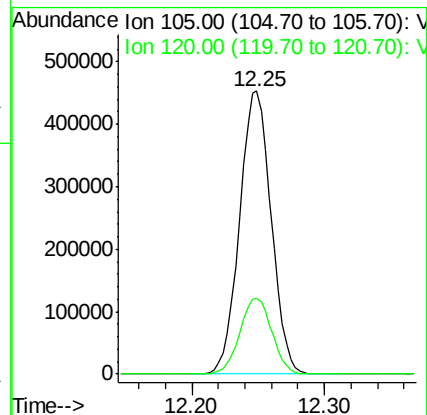
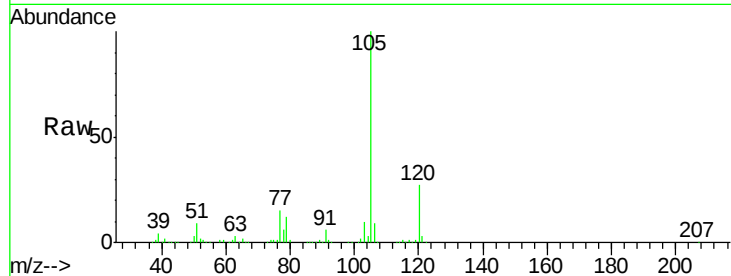
120 27.1 13.6 40.7

Manual Integrations

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MMDadoda

1/23/2019 11:00:53 AM



#74

N-ethyl acetate

Concen: 21.446 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Tgt Ion: 43 Resp: 202027

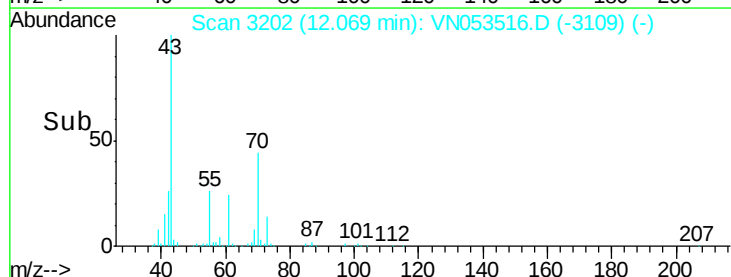
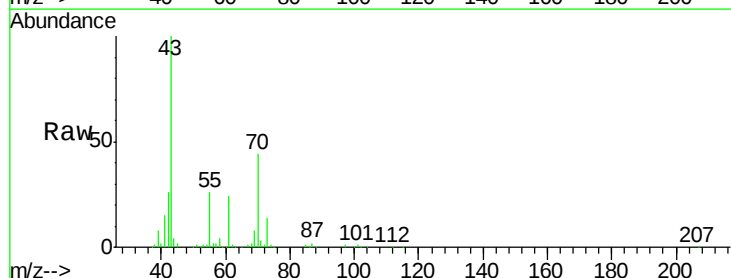
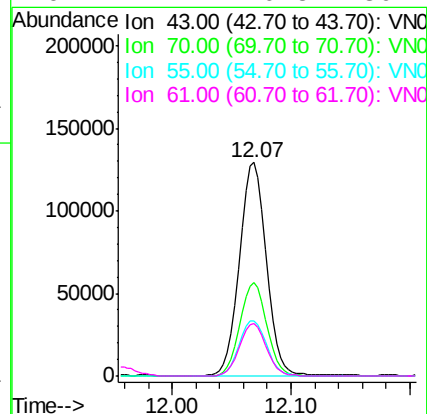
Ion Ratio Lower Upper

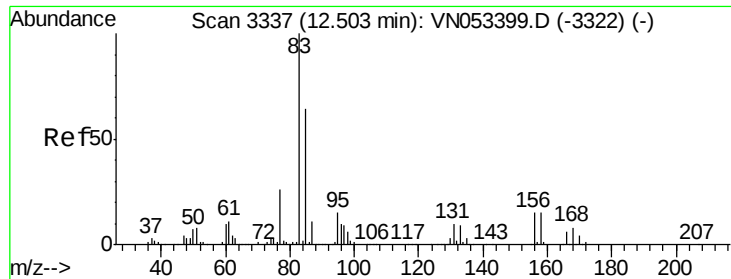
43 100

70 44.0 35.4 53.2

55 26.8 20.9 31.3

61 24.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.789 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

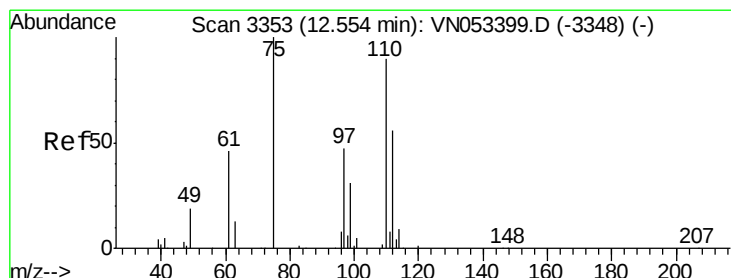
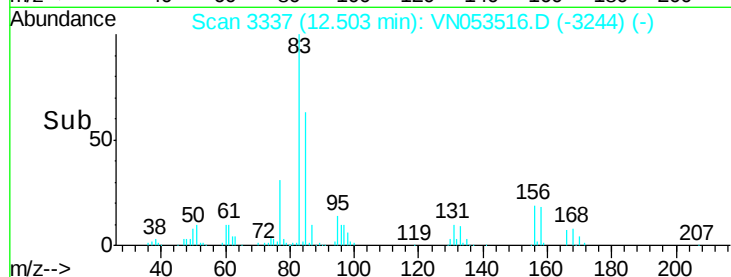
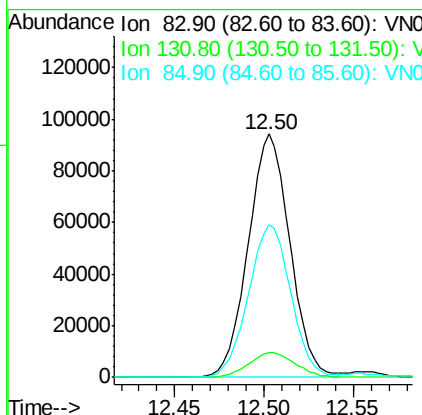
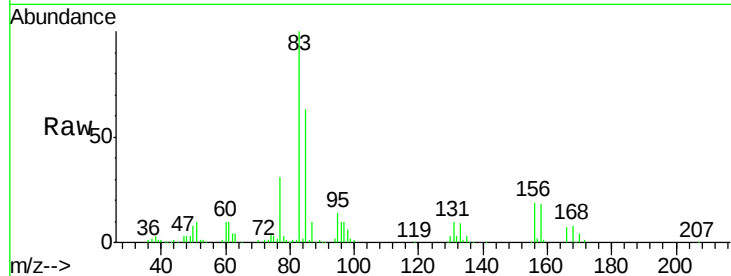
ClientSampleId :

VN0122WBSD01

Tot Ion:	83	Resp:	154075
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.3	15.8
85	63.8	32.1	96.3

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 21.759 ug/l m

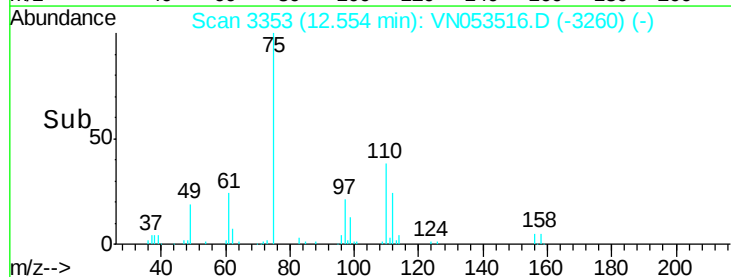
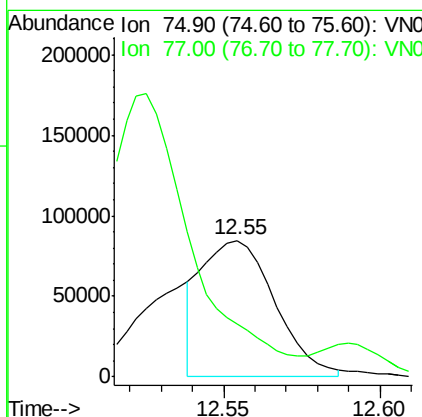
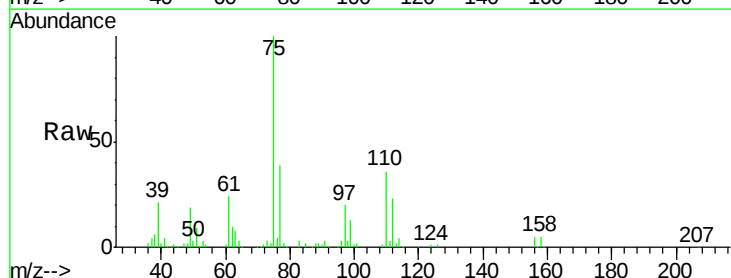
RT: 12.55 min Scan# 3353

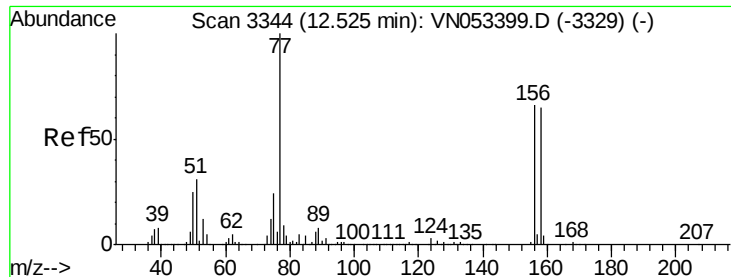
Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Tgt Ion:	75	Resp:	138367
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.110 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

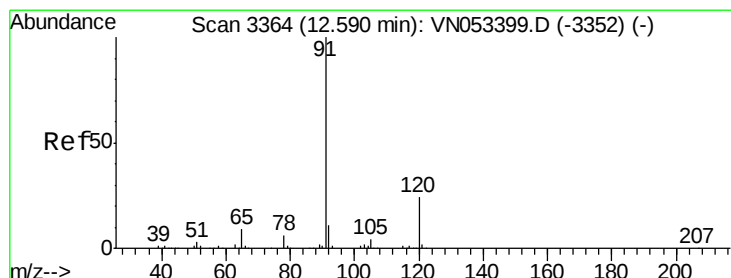
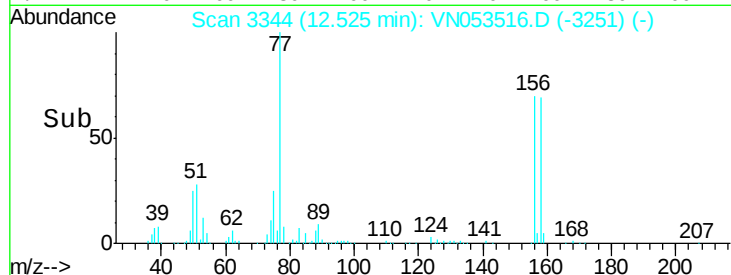
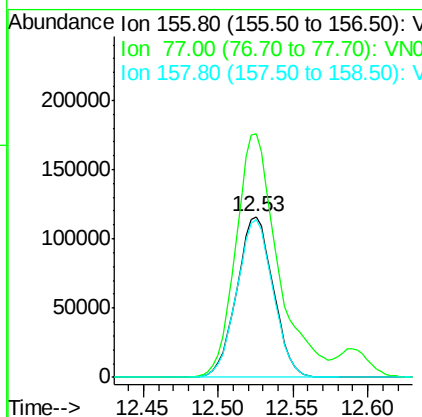
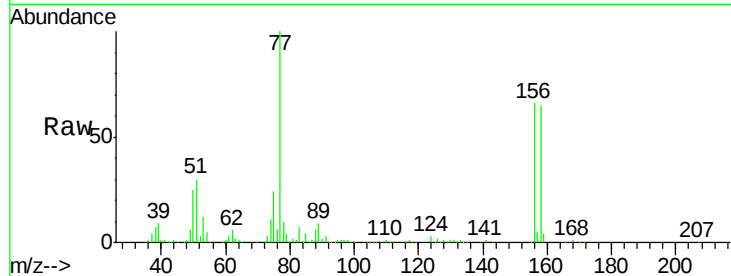
ClientSampleId :

VN0122WBSD01

Tot Ion:	156	Resp:	196565
Ion Ratio	Lower	Upper	
156	100		
77	175.6	87.9	263.8
158	97.7	48.8	146.4

Manual Integrations
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MMDadoda
1/23/2019 11:00:53 AM



#78

n-propylbenzene

Concen: 21.001 ug/l

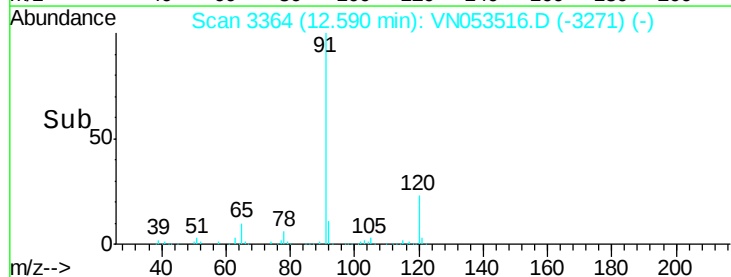
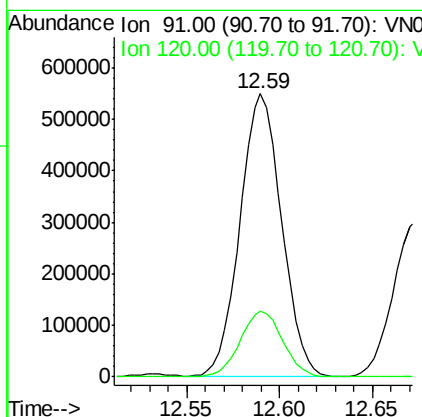
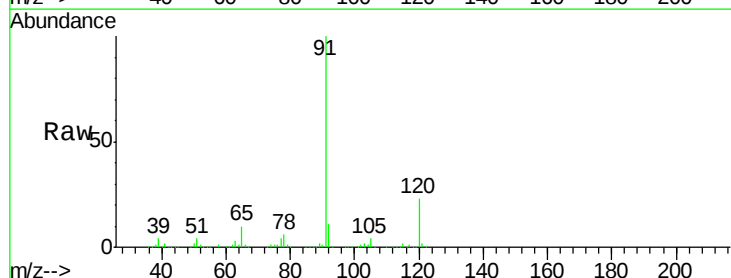
RT: 12.59 min Scan# 3364

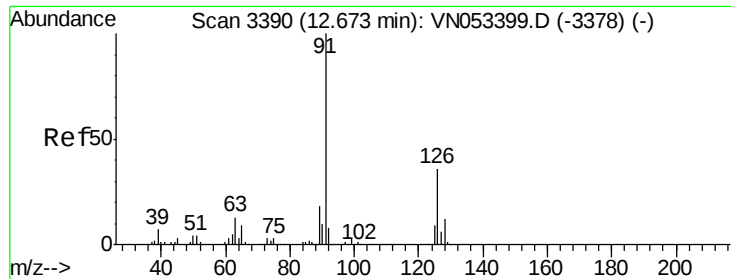
Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Tgt Ion:	91	Resp:	851865
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.869 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 91 Resp: 501761

Ion Ratio Lower Upper

91 100

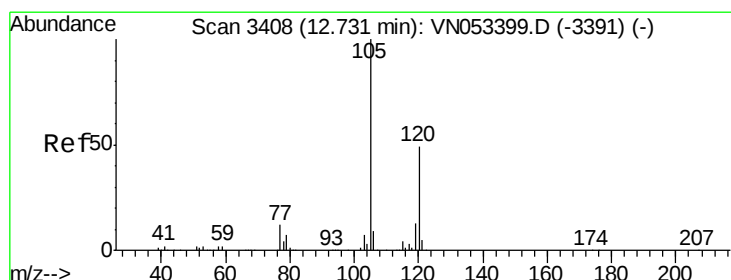
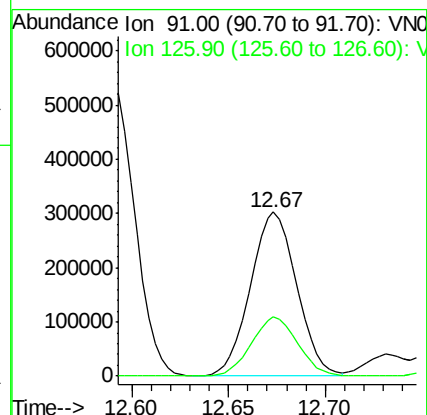
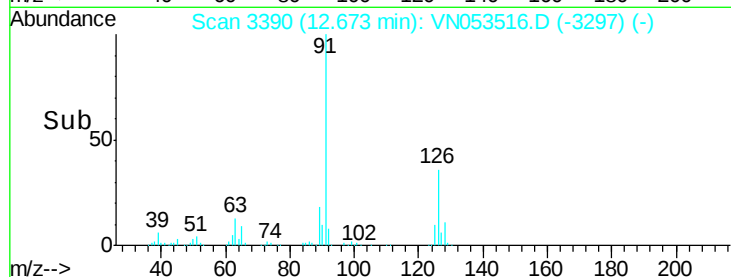
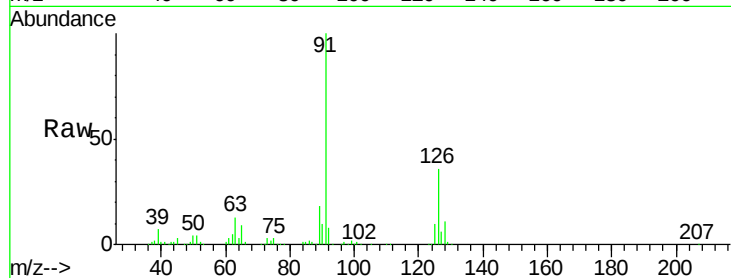
126 36.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.554 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053516.D

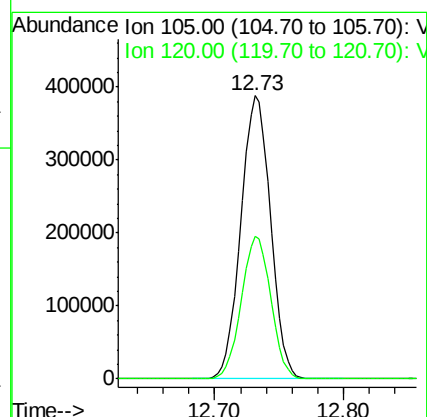
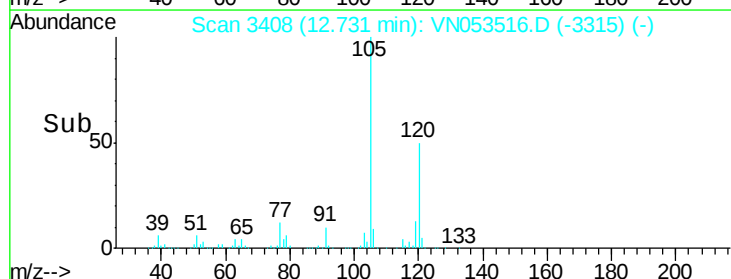
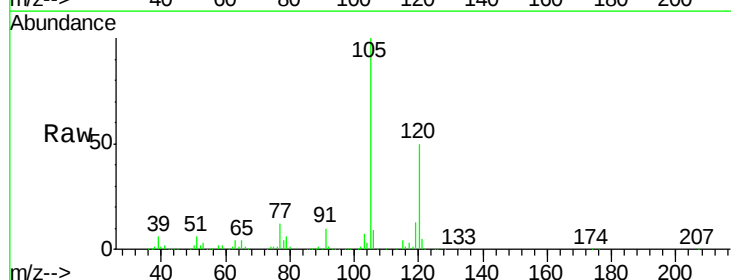
Acq: 22 Jan 2019 13:50

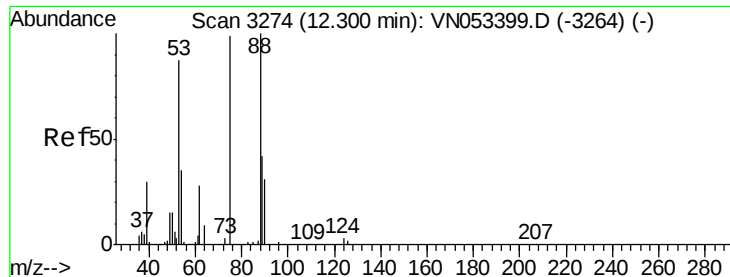
Tgt Ion: 105 Resp: 619713

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.167 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 75 Resp: 46673

Ion Ratio Lower Upper

75 100

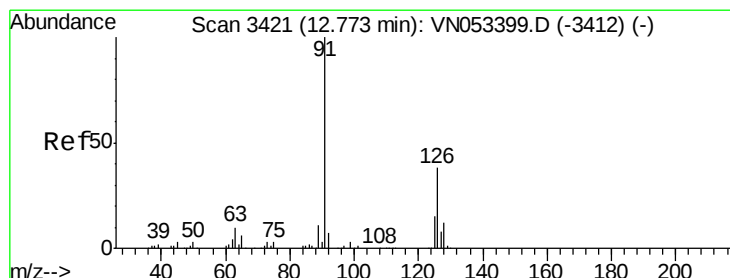
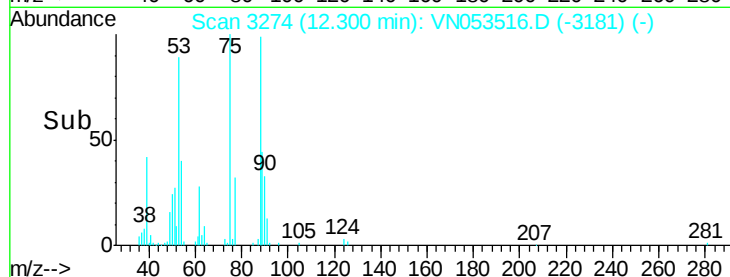
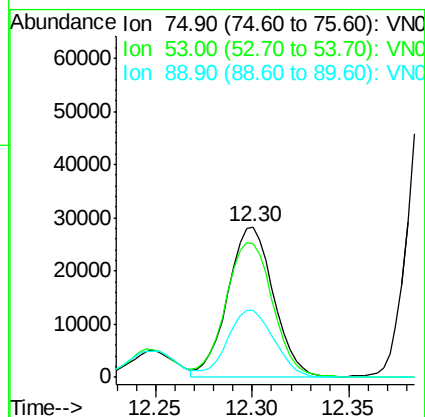
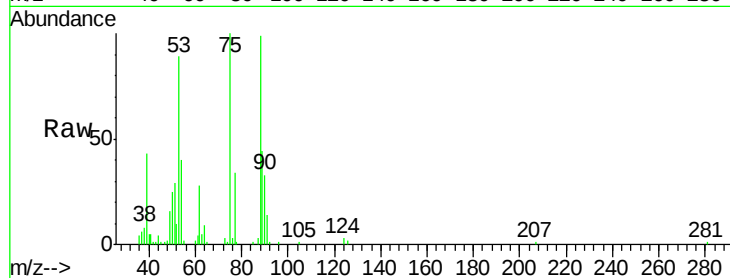
53 92.1 69.8 104.6

89 45.2 35.6 53.4

Manual Integrations
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1/23/2019 11:00:53 AM



#82

4-Chlorotoluene

Concen: 21.064 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053516.D

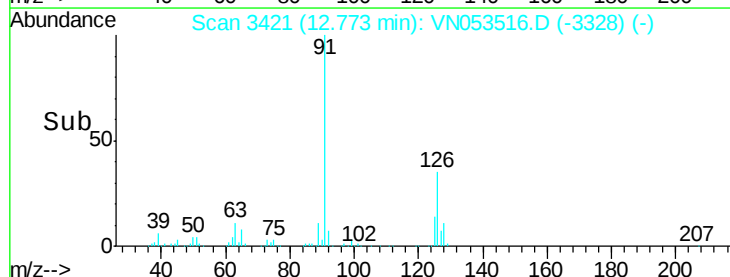
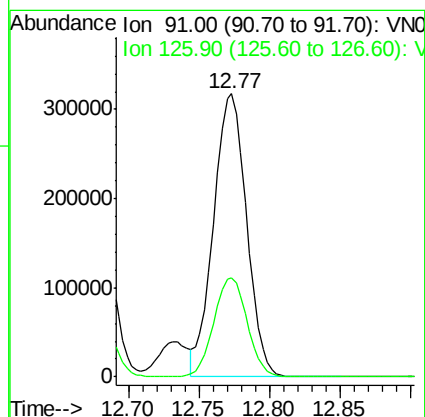
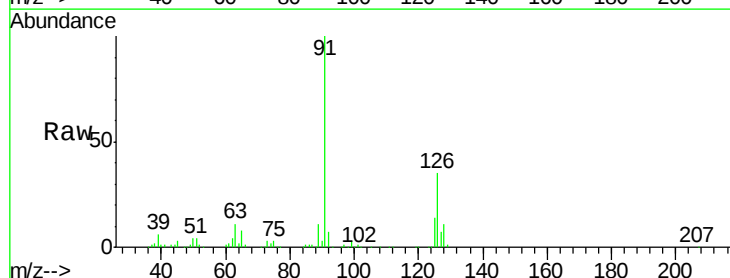
Acq: 22 Jan 2019 13:50

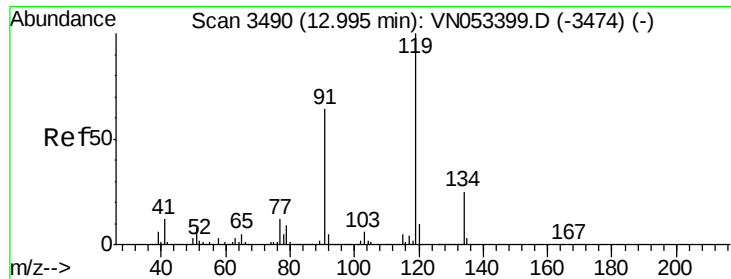
Tgt Ion: 91 Resp: 516480

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.9





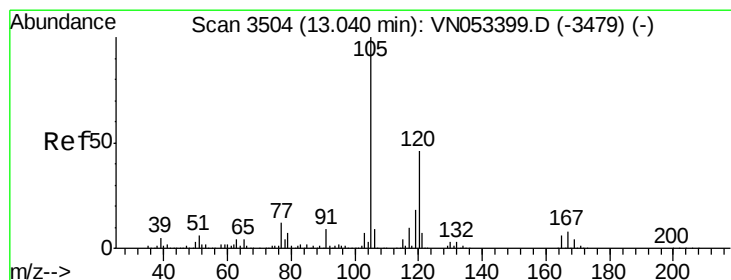
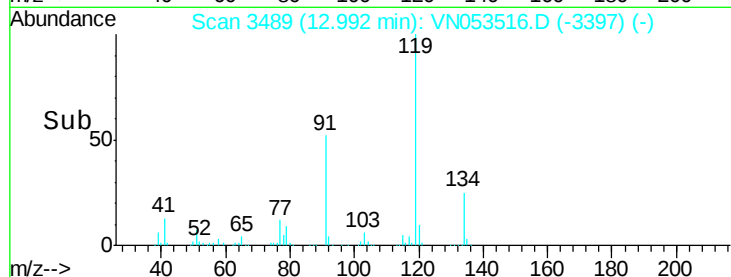
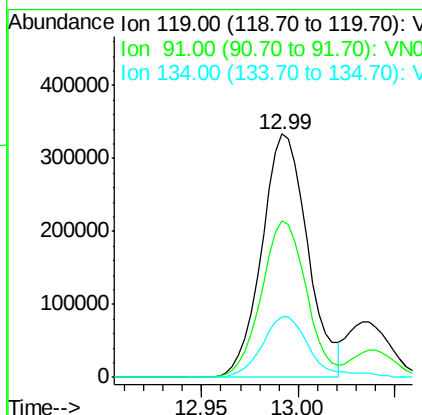
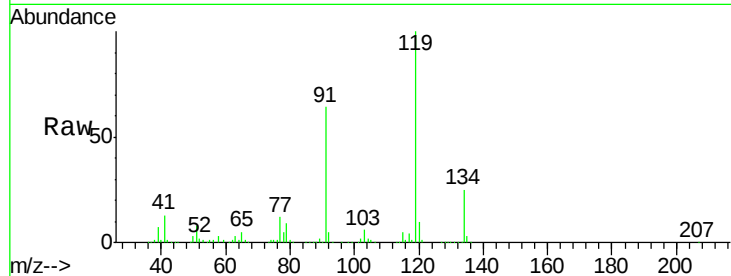
#83
tert-Butylbenzene
Concen: 21.693 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	550885		
91	62.8		31.3	93.8
134	25.9		12.9	38.7

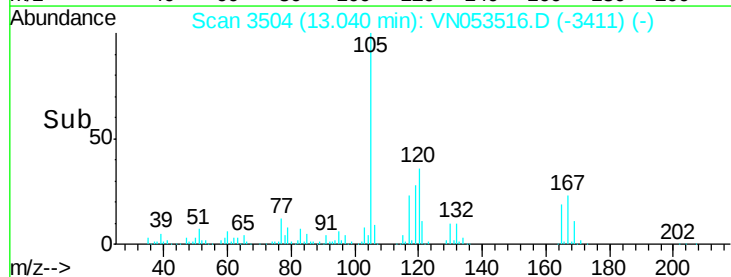
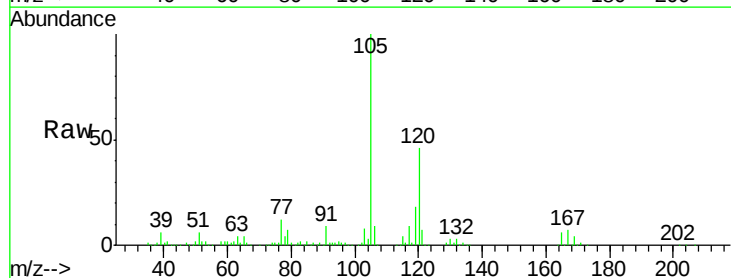
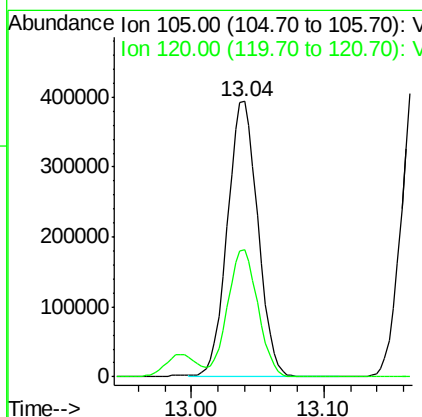
Manual Integrations
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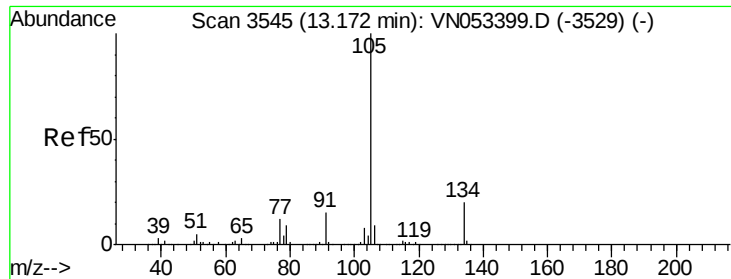
MMDadoda
1/23/2019 11:00:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.608 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	626424		
120	46.2		23.0	69.0





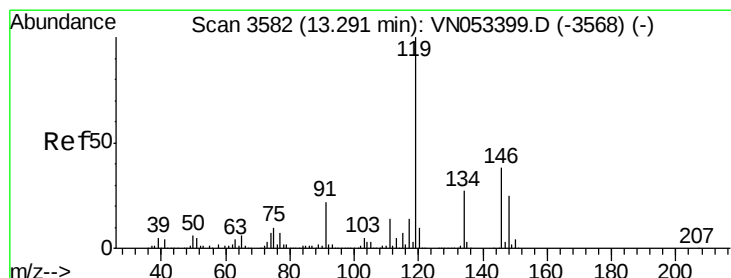
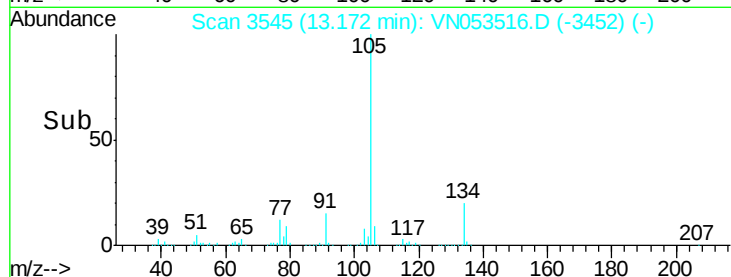
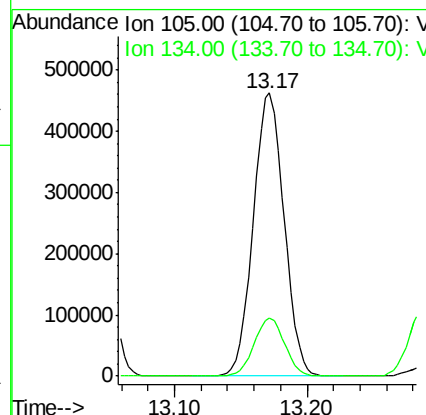
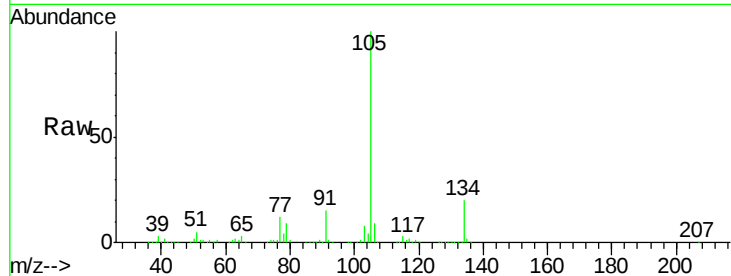
#85
 sec-Butylbenzene
 Concen: 21.329 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.6

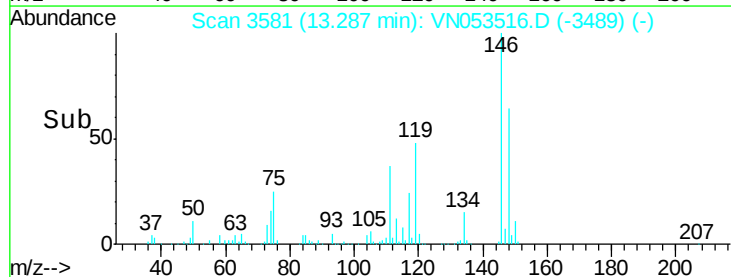
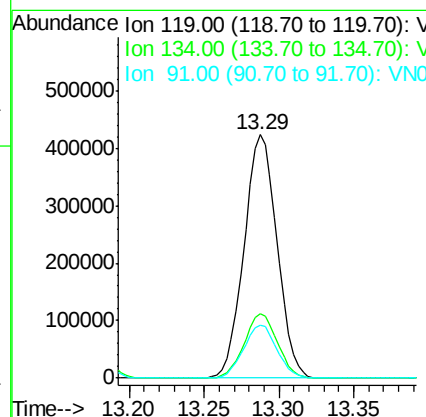
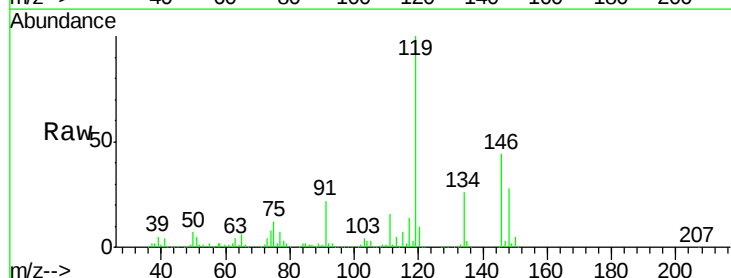
Manual Integrations
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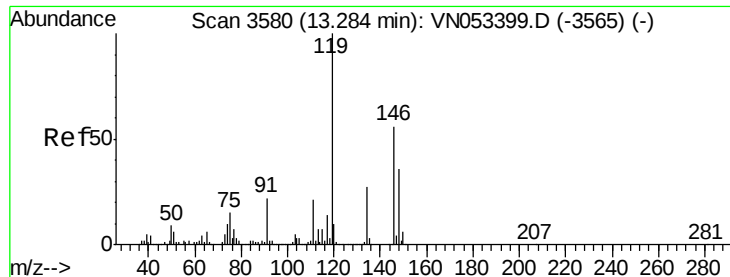
MMDadoda
 1/23/2019 11:00:53 AM



#86
 p-Isopropyltoluene
 Concen: 21.404 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.0	11.0	33.0





#87

1,3-Dichlorobenzene

Concen: 21.173 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

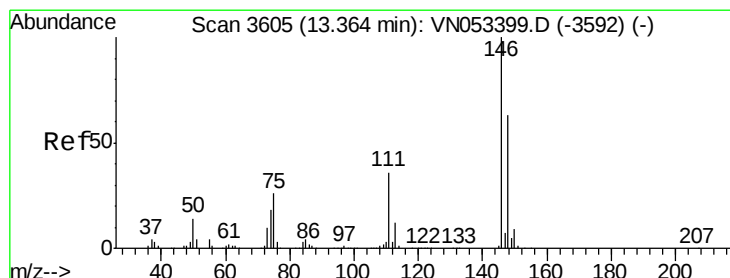
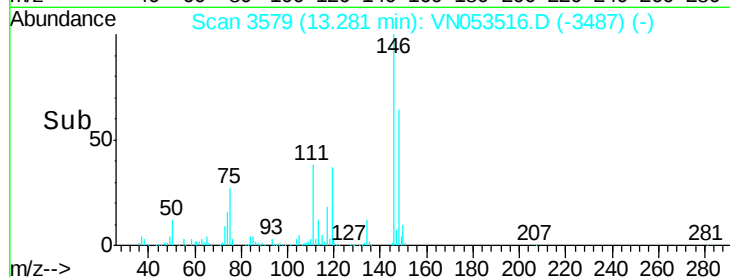
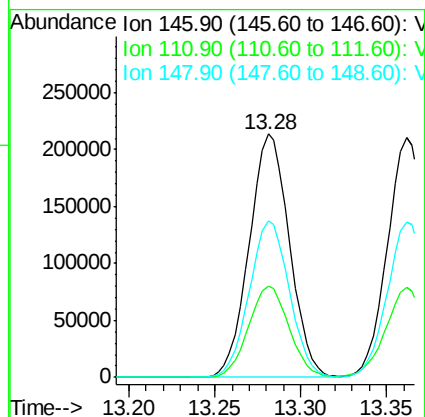
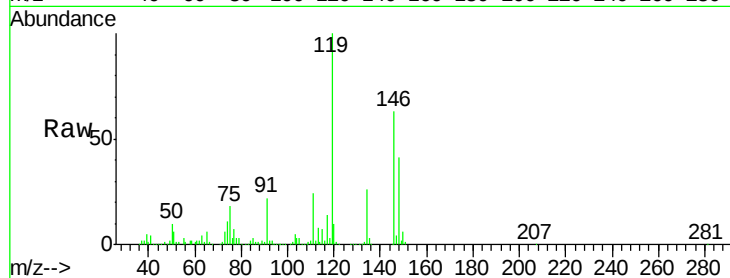
ClientSampleId :

VN0122WBSD01

Tot Ion:	146	Resp:	346807
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.8	56.3
148	64.1	32.0	96.2

Manual Integrations
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1/23/2019 11:00:53 AM



#88

1,4-Dichlorobenzene

Concen: 20.750 ug/l

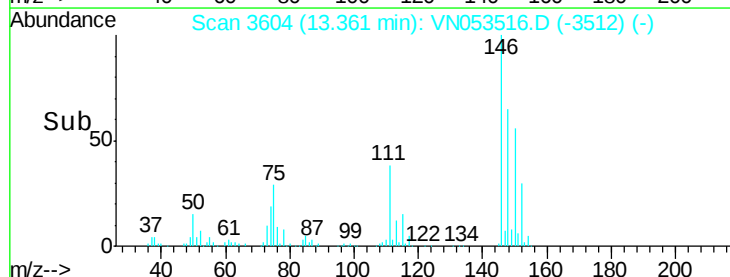
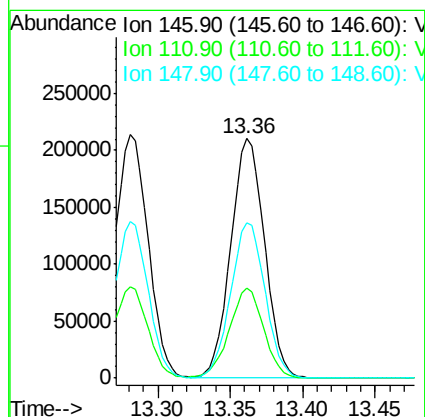
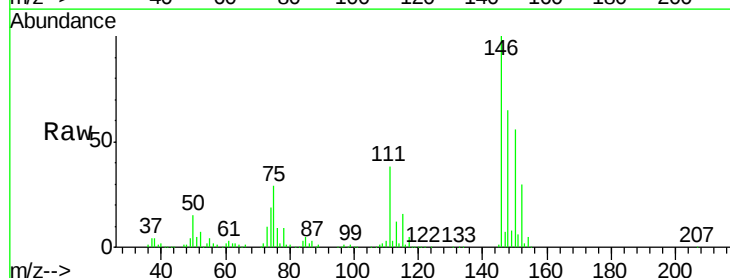
RT: 13.36 min Scan# 3604

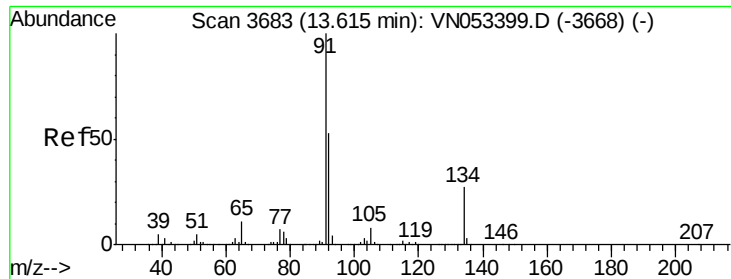
Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Tgt Ion:	146	Resp:	340926
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.6	55.8
148	65.8	32.4	97.0





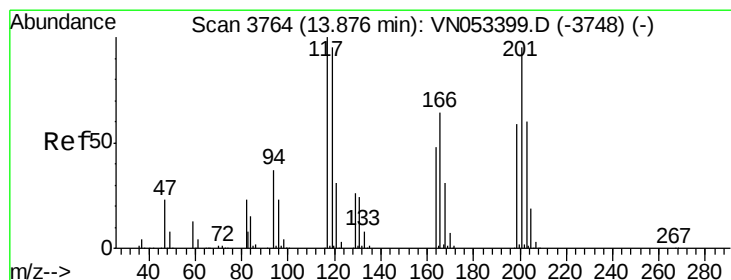
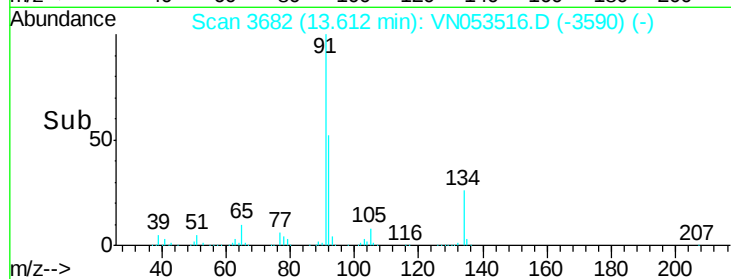
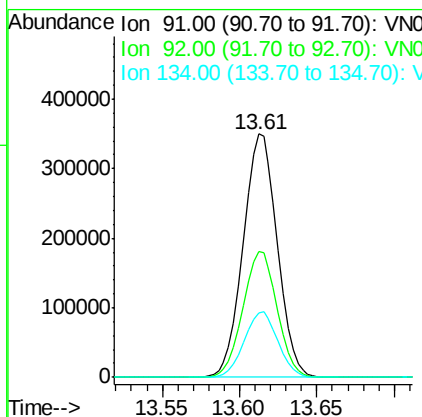
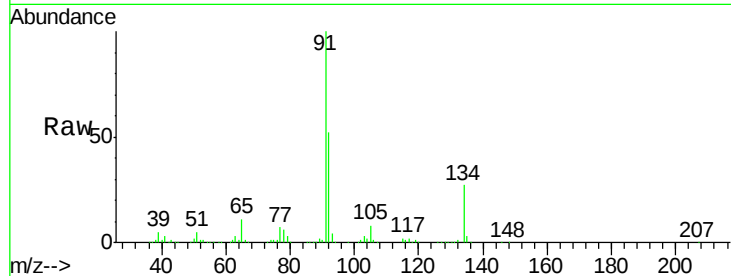
#89
n-Butylbenzene
Concen: 20.828 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.8
134	26.7	13.5	40.5

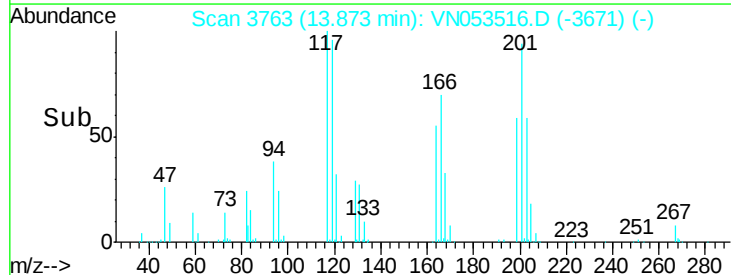
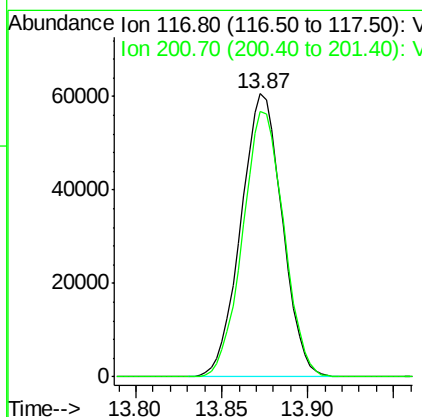
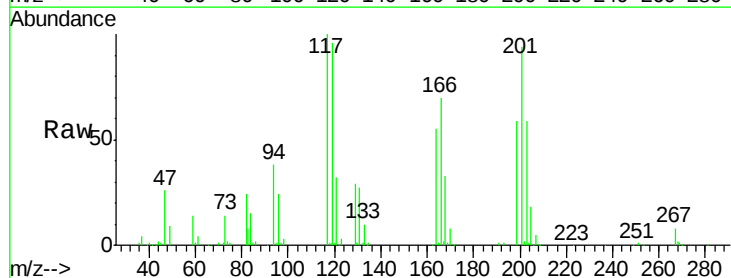
Manual Integrations
APPROVED

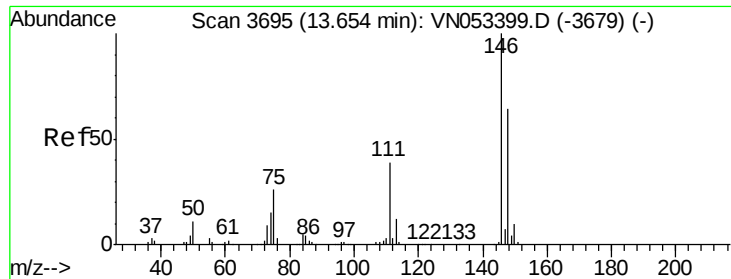
MMDadoda
1/23/2019 11:00:53 AM



#90
Hexachloroethane
Concen: 21.303 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.8	140.4





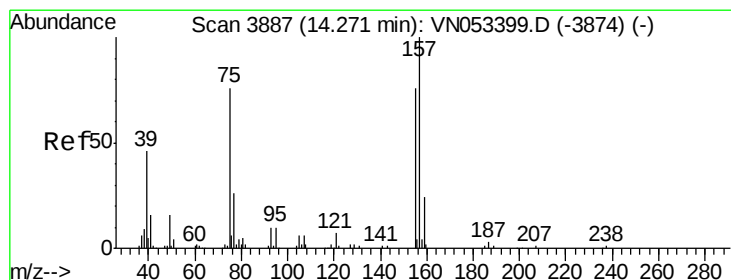
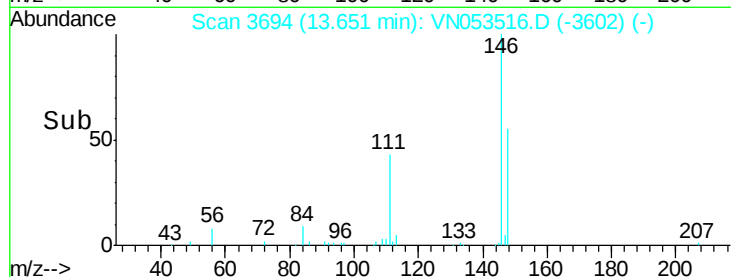
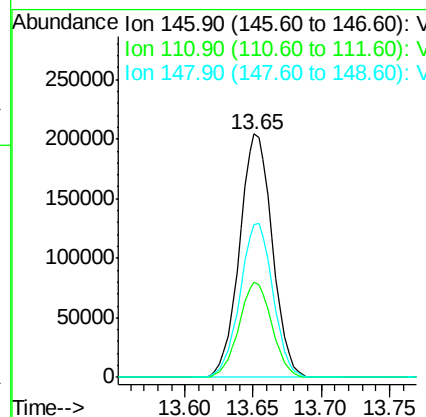
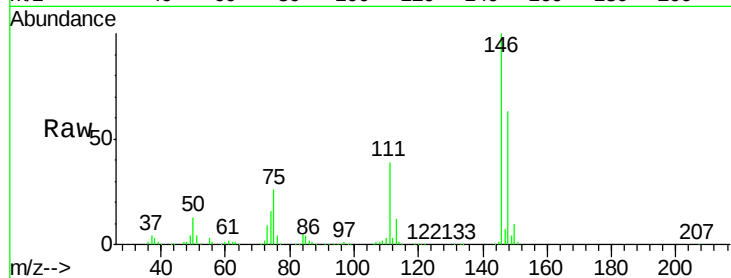
#91
 1,2-Dichlorobenzene
 Concen: 22.539 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	63.7	31.9	95.9

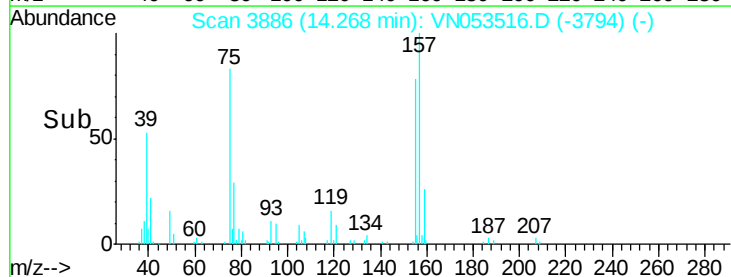
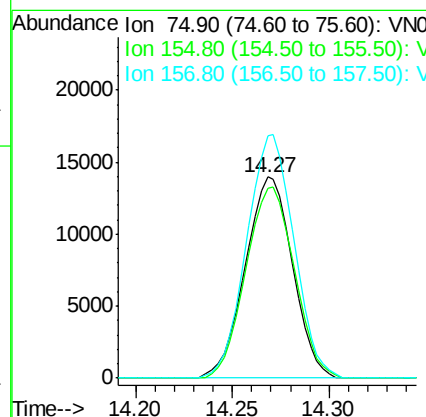
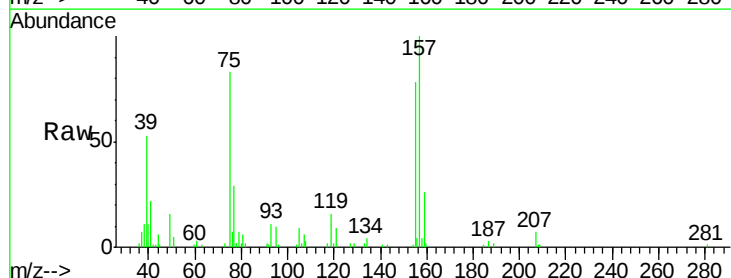
Manual Integrations
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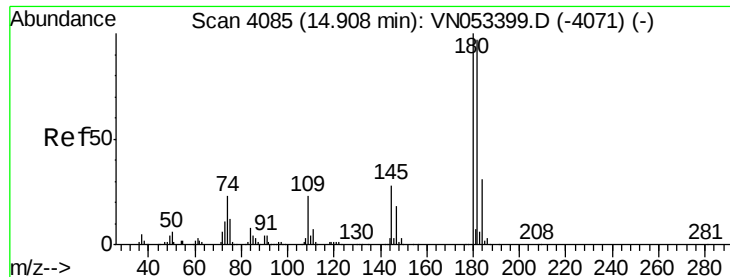
MMDadoda
 1/23/2019 11:00:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.340 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.9	146.7
157	120.7	63.7	191.3





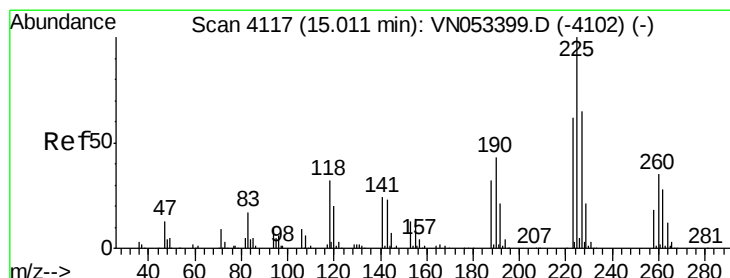
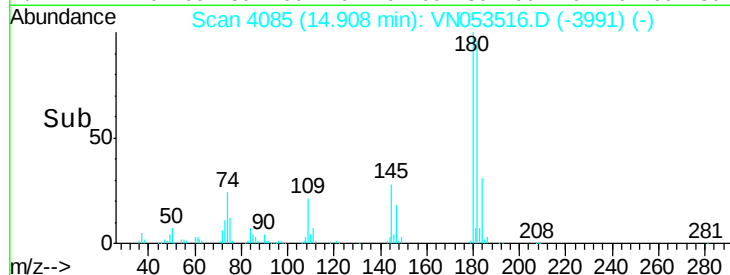
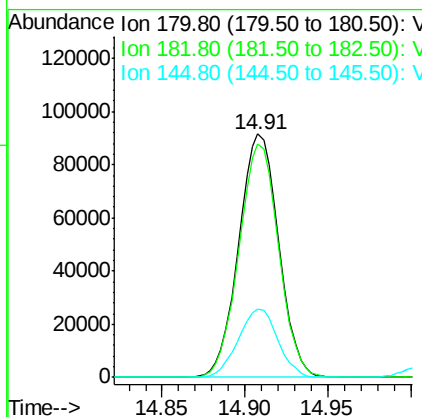
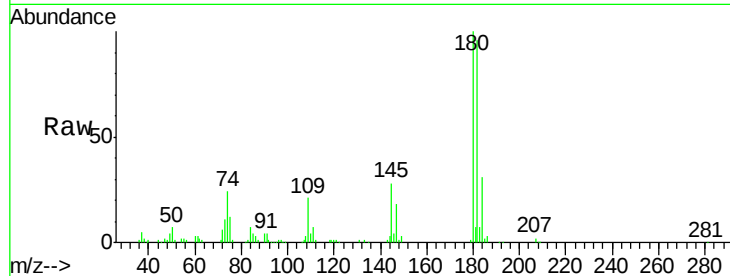
#93
 1,2,4-Trichlorobenzene
 Concen: 24.489 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152890		
182	95.5	48.1	144.3	
145	27.9	13.9	41.6	

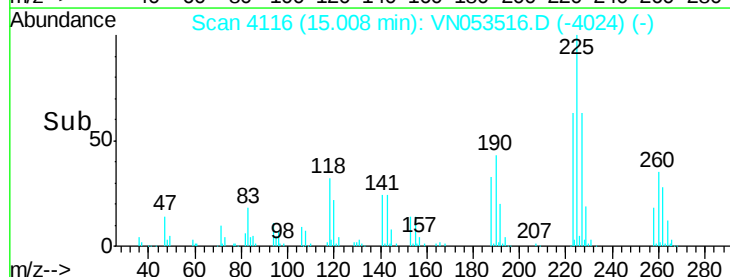
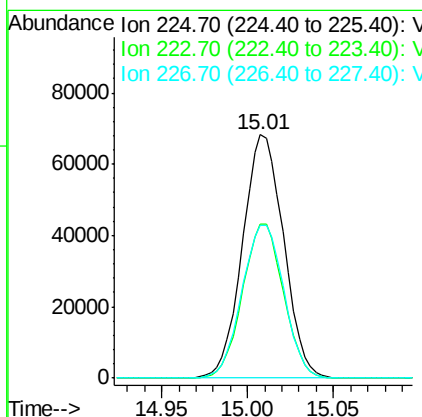
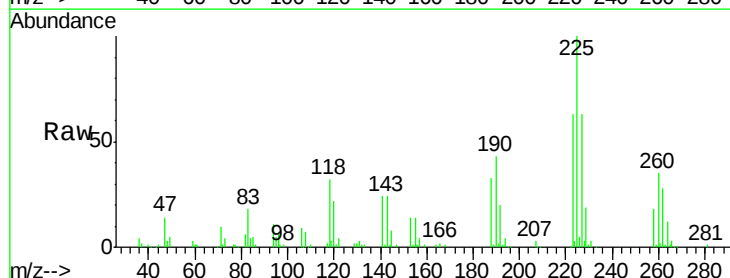
Manual Integrations
 APPROVED

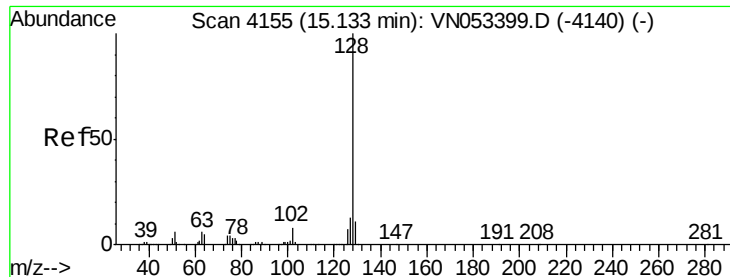
MMDadoda
 1/23/2019 11:00:53 AM



#94
 Hexachlorobutadiene
 Concen: 24.061 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113105		
223	62.8	31.1	93.2	
227	64.4	32.0	96.2	





#95

Naphthalene

Concen: 23.662 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

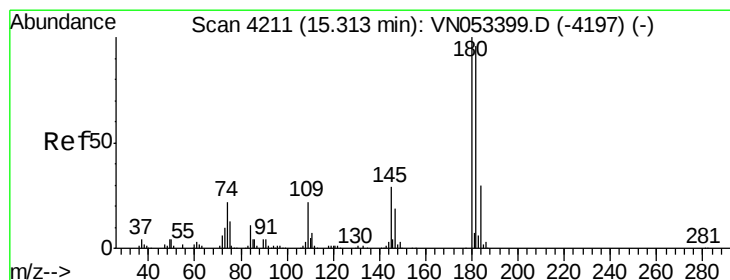
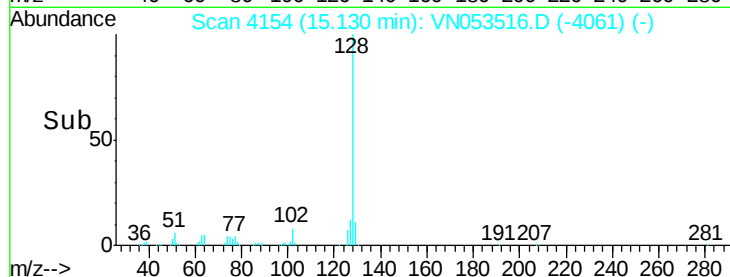
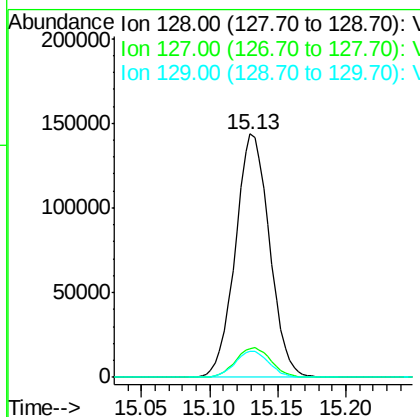
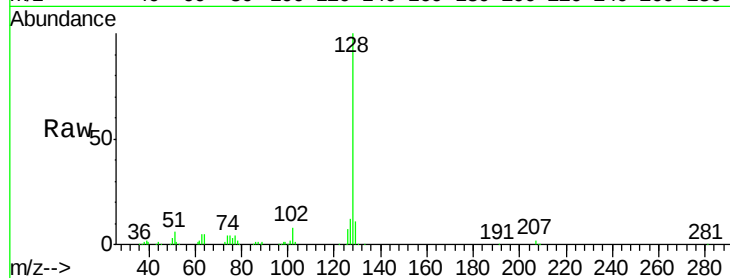
ClientSampleId :

VN0122WBSD01

Tot Ion:	128	Resp:	249750
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
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1/23/2019 11:00:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 25.613 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Tgt Ion:	180	Resp:	114561
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.9	143.8
145	29.2	14.7	44.1

