

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053314.D
 Acq On : 8 Jan 2019 13:17
 Operator : MD\SY
 Sample : VN0108MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:57:55 AM

Quant Time: Jan 09 00:47:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	875626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1341191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1206559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	545009	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	439835	48.28	ug/l	0.00
Spiked Amount						
			Recovery	=	96.56%	
35) Dibromofluoromethane	7.59	113	366447	48.00	ug/l	0.00
Spiked Amount						
			Recovery	=	96.00%	
50) Toluene-d8	10.09	98	1592249	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	550199	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	150007	19.432	ug/l	99
3) Chloromethane	2.06	50	204779	18.996	ug/l	100
4) Vinyl Chloride	2.19	62	198467	19.289	ug/l	99
5) Bromomethane	2.57	94	136723	20.335	ug/l	100
6) Chloroethane	2.71	64	118647	19.104	ug/l	99
7) Trichlorofluoromethane	3.02	101	258290	19.380	ug/l	99
8) Diethyl Ether	3.42	74	105019	20.104	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161403	19.109	ug/l	100
10) Methyl Iodide	3.96	142	244014	20.610	ug/l	99
11) Tert butyl alcohol	4.78	59	52597	95.992	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	161191	19.729	ug/l	100
13) Acrolein	3.61	56	72558	105.320	ug/l	99
14) Allyl chloride	4.33	41	262013	19.897	ug/l	96
15) Acrylonitrile	4.99	53	320799	98.076	ug/l	100
16) Acetone	3.82	43	210993	94.849	ug/l	99
17) Carbon Disulfide	4.06	76	473424	18.795	ug/l	99
18) Methyl Acetate	4.33	43	149721	18.160	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	465183	20.287	ug/l	98
20) Methylene Chloride	4.55	84	187680	19.182	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	173528	19.781	ug/l	96
22) Diisopropyl ether	5.95	45	563206	19.853	ug/l	96
23) Vinyl Acetate	5.90	43	1775634	99.477	ug/l	100
24) 1,1-Dichloroethane	5.86	63	325820	19.914	ug/l	99
25) 2-Butanone	6.84	43	351827	94.137	ug/l	99
26) 2,2-Dichloropropane	6.83	77	229492	19.188	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	199898	19.954	ug/l	99
28) Bromochloromethane	7.20	49	142065	20.376	ug/l	98
29) Tetrahydrofuran	7.21	42	236975	96.084	ug/l	99
30) Chloroform	7.37	83	313258	19.452	ug/l	100
31) Cyclohexane	7.66	56	296012	18.918	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	262571	19.566	ug/l	99
36) 1,1-Dichloropropene	7.80	75	242194	19.343	ug/l	100
37) Ethyl Acetate	6.93	43	163001	19.986	ug/l	100
38) Carbon Tetrachloride	7.78	117	221040	19.126	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	266080	18.343	ug/l	98
40) Benzene	8.04	78	755157	19.744	ug/l	100
41) Methacrylonitrile	7.17	41	87999	17.380	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	221280	19.505	ug/l	100
43) Isopropyl Acetate	8.17	43	299471	18.666	ug/l	98
44) Trichloroethene	8.84	130	204801	19.501	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198435	19.782	ug/l	99
46) Dibromomethane	9.21	93	115428	19.735	ug/l	99
47) Bromodichloromethane	9.40	83	235395	19.313	ug/l	99
48) Methyl methacrylate	9.20	41	147343	20.214	ug/l	99
49) 1,4-Dioxane	9.20	88	28201	363.137	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	808861	100.252	ug/l	100
52) Toluene	10.16	92	460163	19.611	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	243916	19.562	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	283274	19.660	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	168543	19.535	ug/l	99
56) Ethyl methacrylate	10.43	69	228488	20.379	ug/l	100
57) 1,3-Dichloropropane	10.71	76	288259	19.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	570633	94.143	ug/l	99
59) 2-Hexanone	10.75	43	544537	98.504	ug/l	99
60) Dibromochloromethane	10.90	129	179635	19.304	ug/l	100
61) 1,2-Dibromoethane	11.01	107	169293	19.884	ug/l	99
64) Tetrachloroethene	10.63	164	215729	18.997	ug/l	98
65) Chlorobenzene	11.43	112	510951	19.494	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	178163	19.420	ug/l	99
67) Ethyl Benzene	11.51	91	867128	19.469	ug/l	100
68) m/p-Xylenes	11.62	106	661688	39.509	ug/l	100
69) o-Xylene	11.95	106	324643	19.800	ug/l	100
70) Styrene	11.96	104	533914	20.008	ug/l	99
71) Bromoform	12.13	173	125072	19.301	ug/l #	100
73) Isopropylbenzene	12.25	105	844241	20.806	ug/l	99
74) N-amyl acetate	12.07	43	258926	21.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	197370	21.145	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	173933m	21.880	ug/l	
77) Bromobenzene	12.53	156	232149	21.436	ug/l	97
78) n-propylbenzene	12.59	91	934784	20.366	ug/l	99
79) 2-Chlorotoluene	12.68	91	569649	20.511	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	668785	20.461	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54793	20.280	ug/l	96
82) 4-Chlorotoluene	12.77	91	581276	20.411	ug/l	100
83) tert-Butylbenzene	12.99	119	584352	20.377	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	676537	20.317	ug/l	100
85) sec-Butylbenzene	13.17	105	765303	20.236	ug/l	99
86) p-Isopropyltoluene	13.29	119	662247	20.225	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	368887	19.342	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	367708	19.436	ug/l	98
89) n-Butylbenzene	13.62	91	533303	19.426	ug/l	100
90) Hexachloroethane	13.88	117	96676	18.420	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	355852	19.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22639	19.996	ug/l	96

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QLast Update : Mon Jan 07 09:34:27 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116937	20.818	ug/l	99
94) Hexachlorobutadiene	15.01	225	98747	21.493	ug/l	100
95) Naphthalene	15.13	128	234326	24.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	87529	23.801	ug/l	97

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

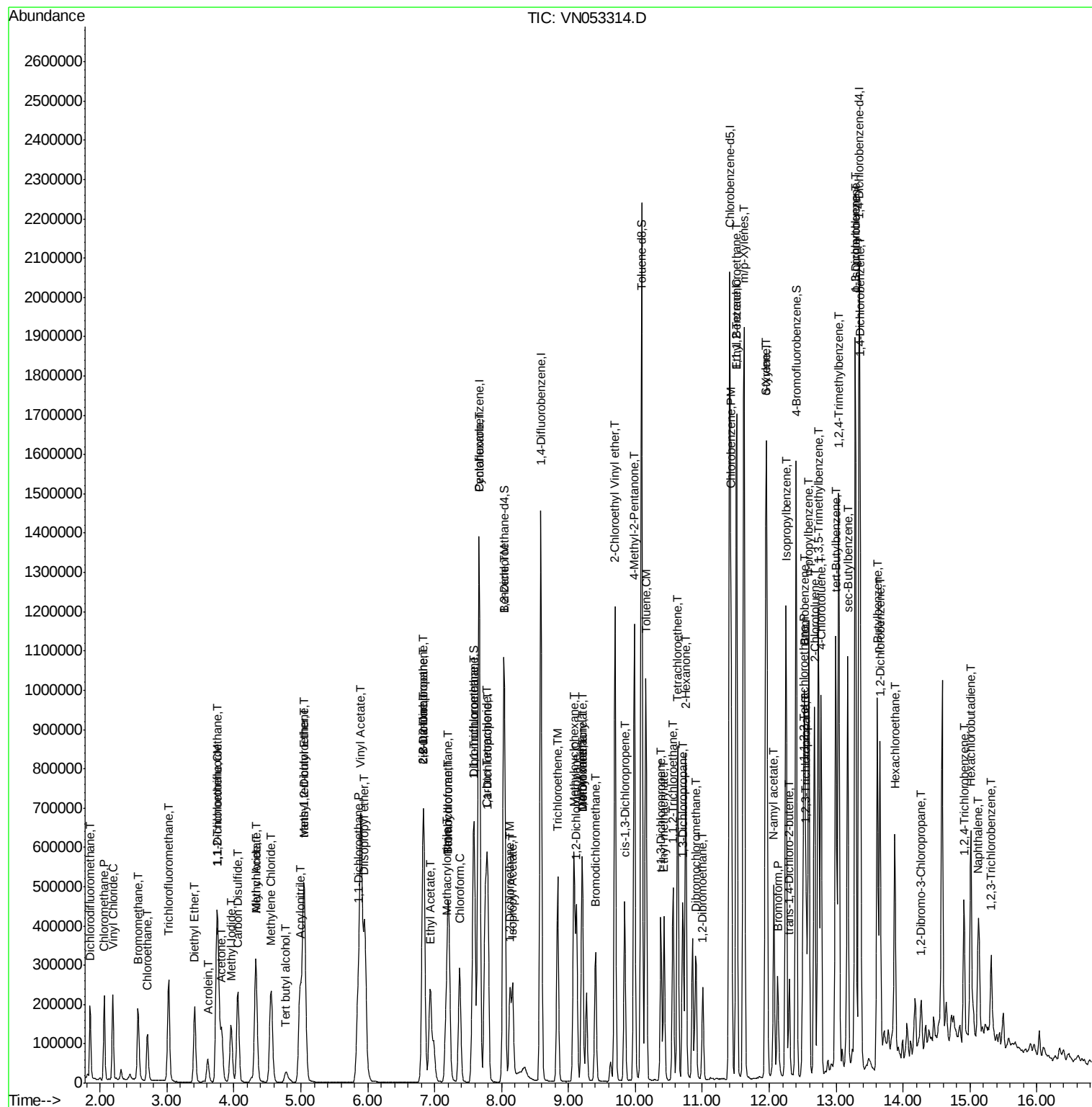
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
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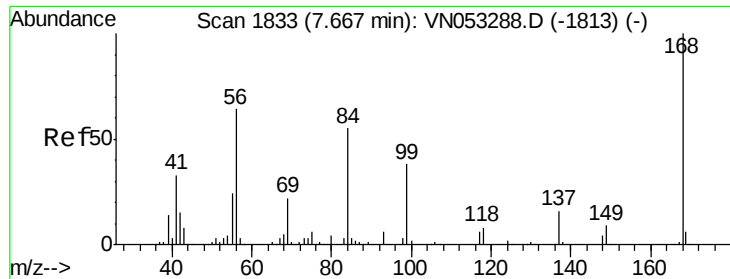
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBSD01

Tot Ion:168 Resp: 875626

Ion Ratio Lower Upper

168 100

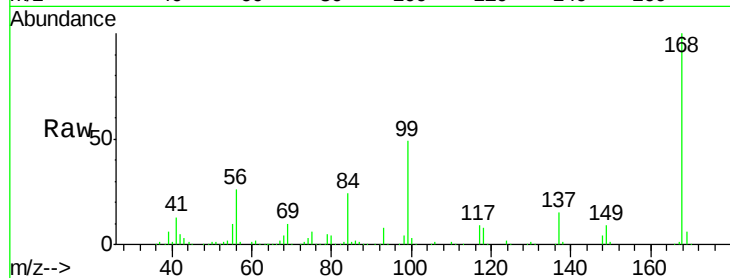
99 49.0 39.1 58.7

Manual Integrations

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1/9/2019 10:57:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

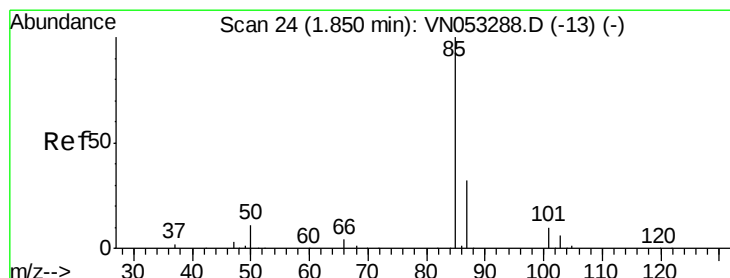
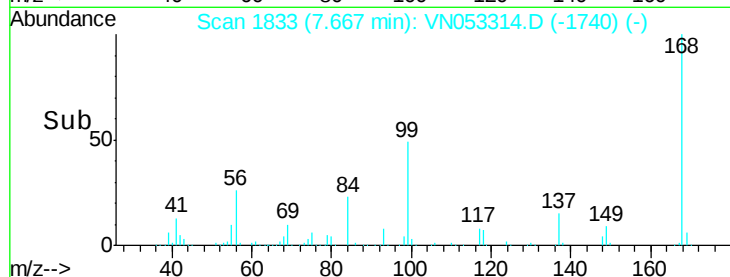
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.432 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053314.D

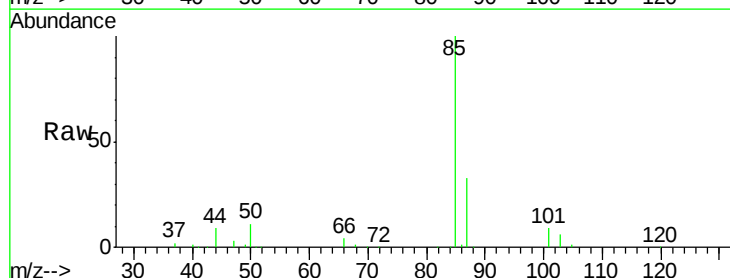
Acq: 8 Jan 2019 13:17

Tgt Ion: 85 Resp: 150007

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

120000

100000

80000

60000

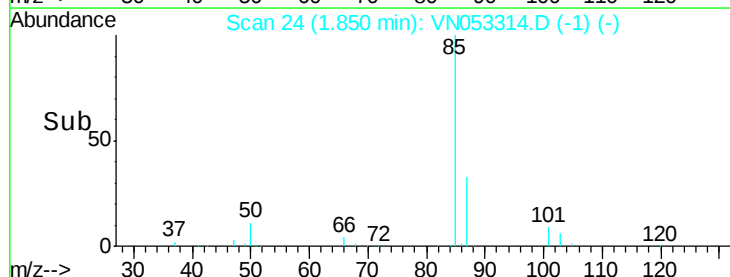
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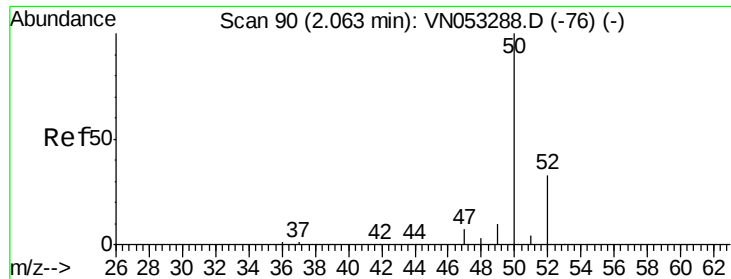
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.996 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

Tot Ion: 50 Resp: 204779

Ion Ratio Lower Upper

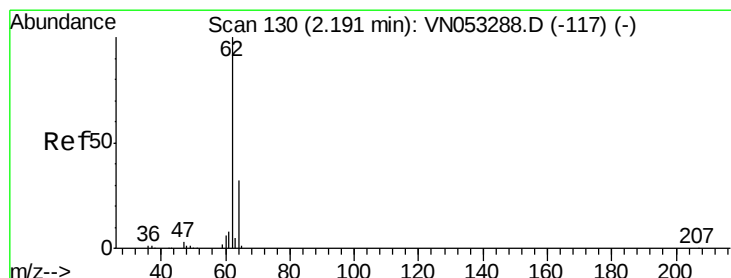
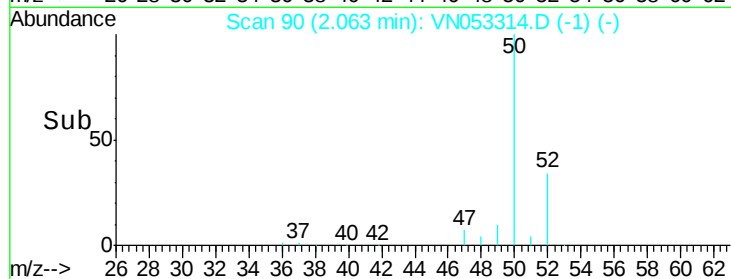
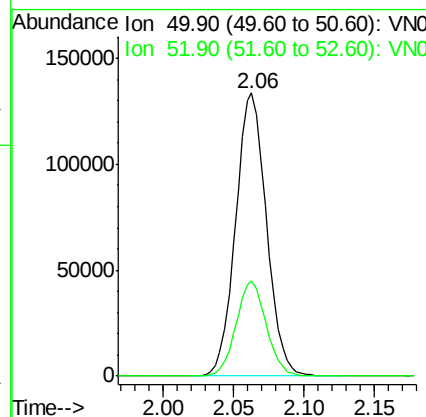
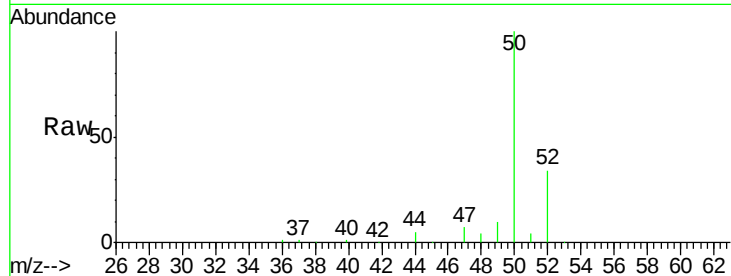
50 100

52 33.6 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.289 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053314.D

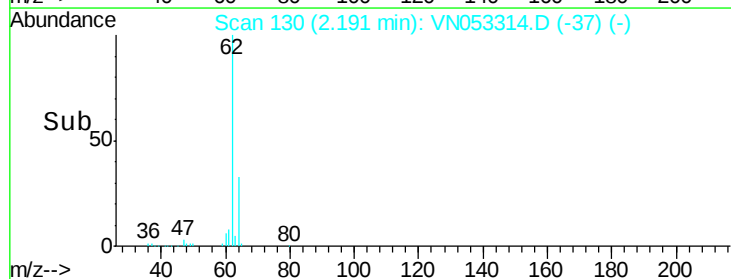
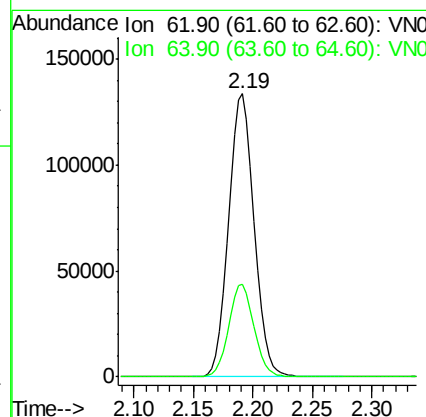
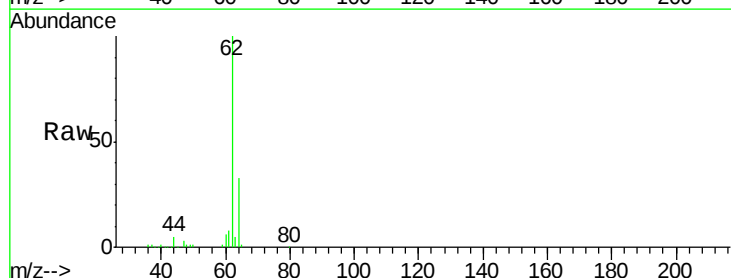
Acq: 8 Jan 2019 13:17

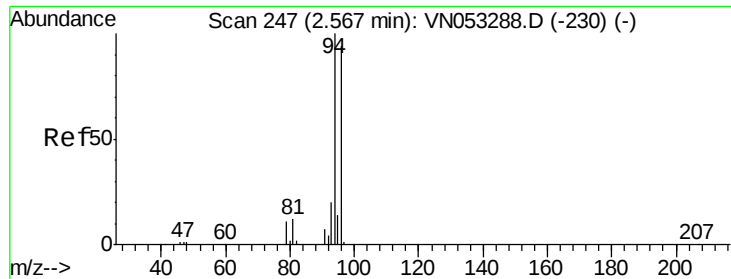
Tgt Ion: 62 Resp: 198467

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 20.335 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 136723

Ion Ratio Lower Upper

94 100

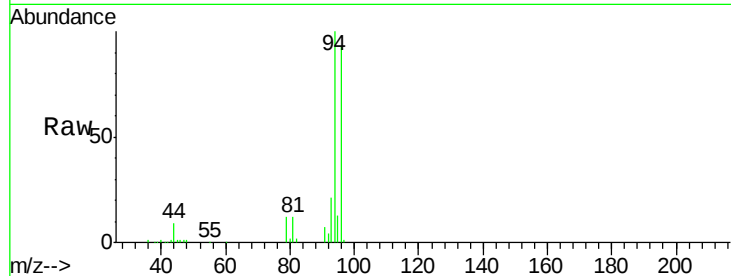
96 93.4 74.9 112.3

Manual Integrations

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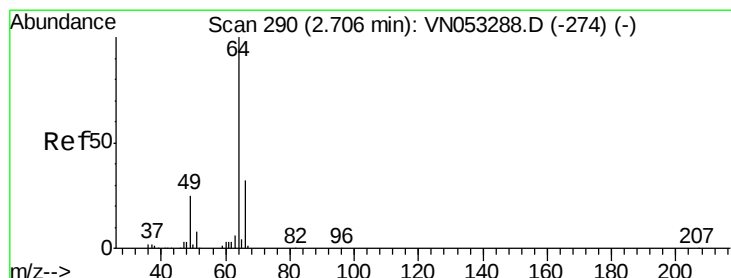
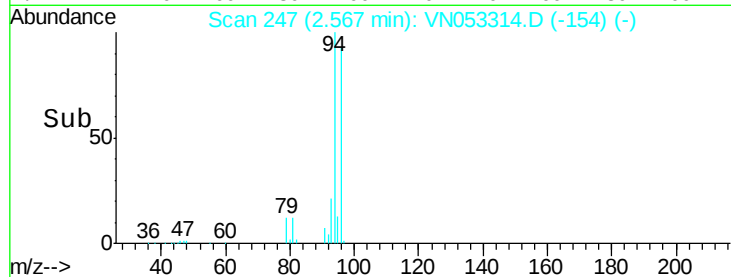
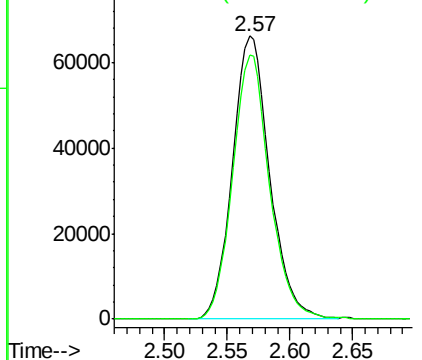
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.104 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053314.D

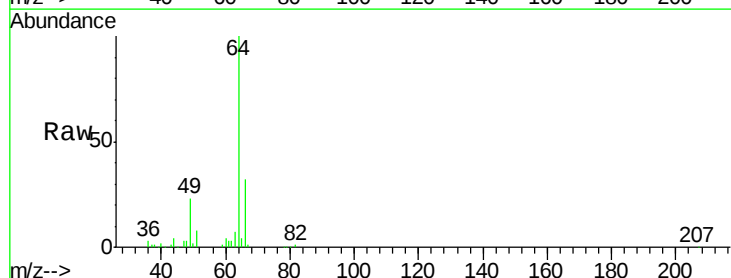
Acq: 8 Jan 2019 13:17

Tgt Ion: 64 Resp: 118647

Ion Ratio Lower Upper

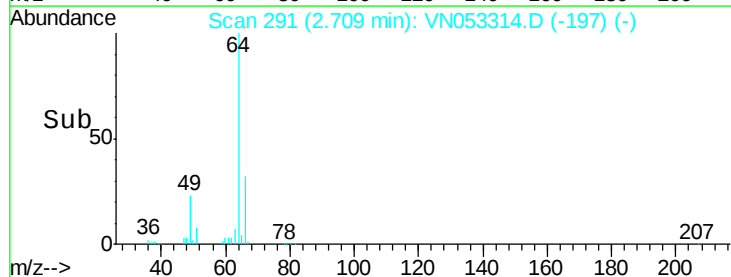
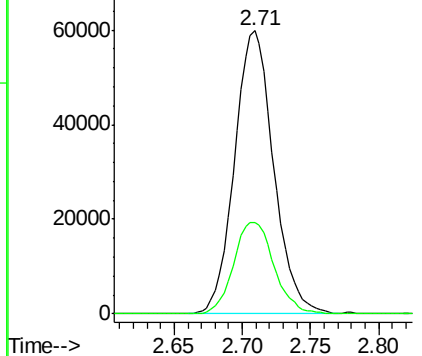
64 100

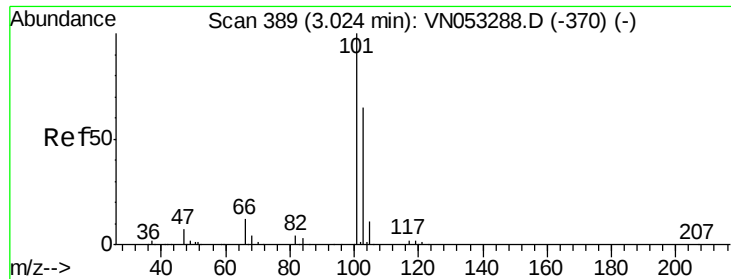
66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

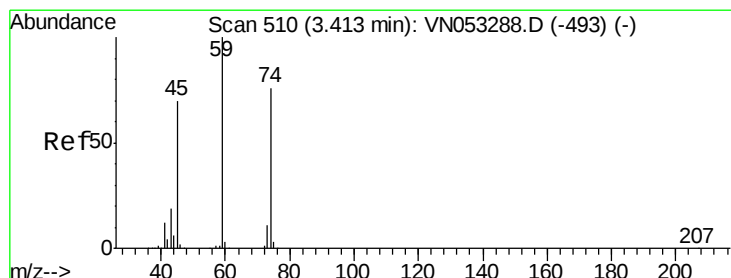
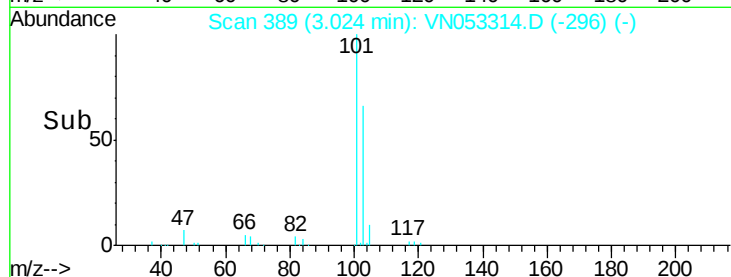
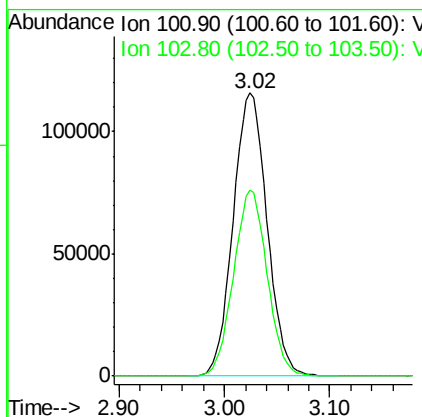
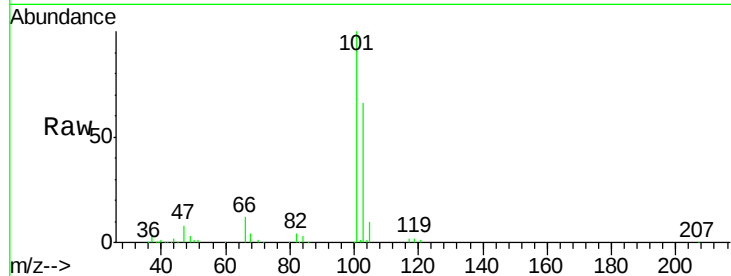
Trichlorofluoromethane
Concen: 19.380 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.1	78.1

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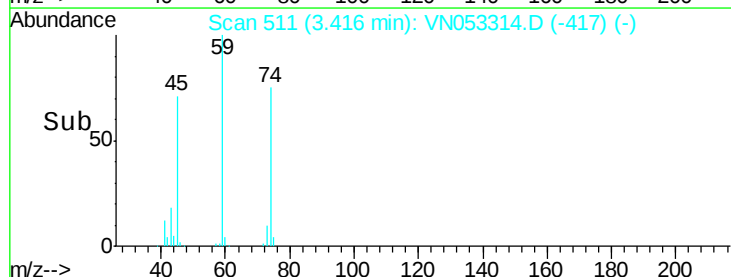
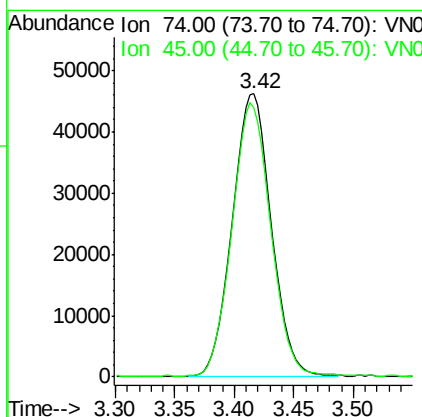
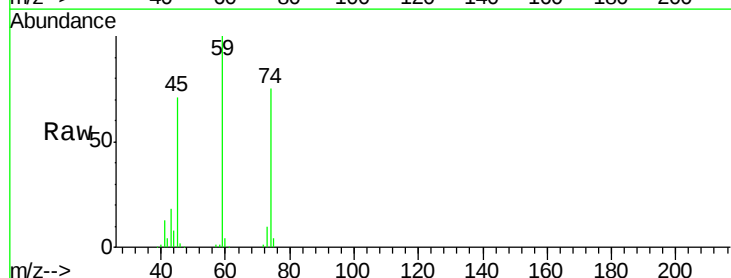
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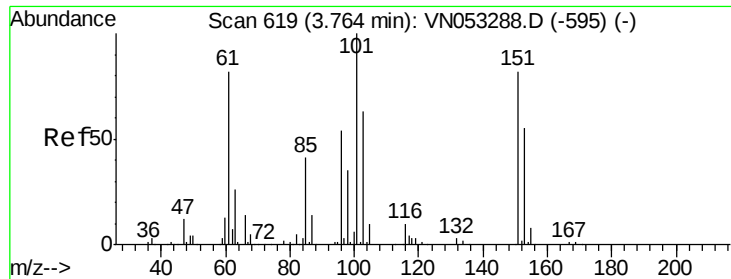


#8

Diethyl Ether
Concen: 20.104 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.109 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

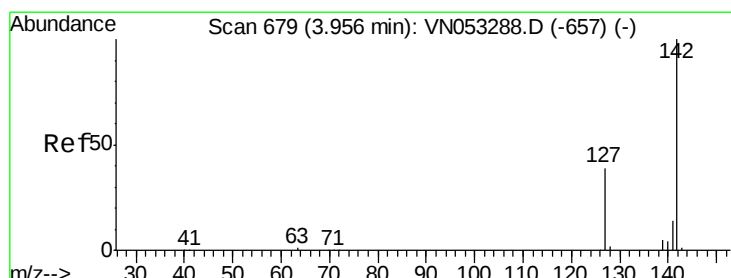
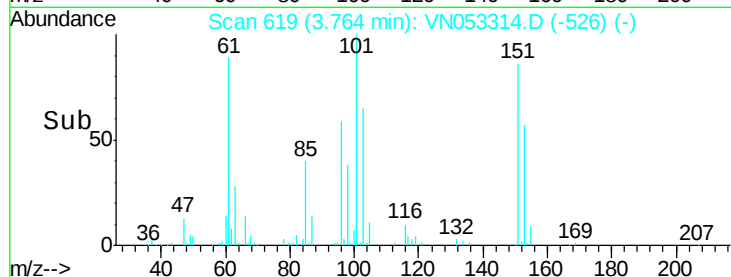
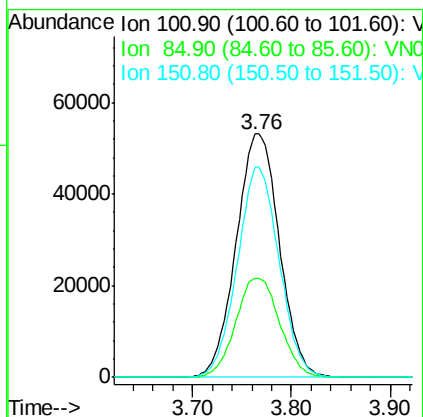
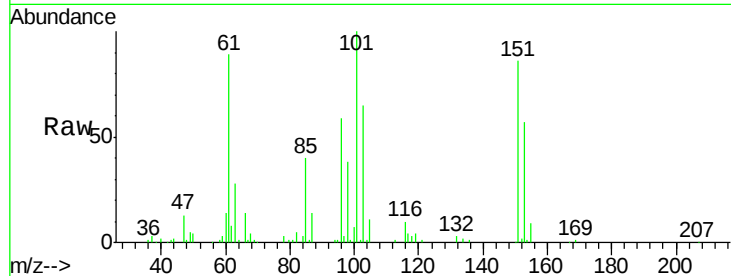
ClientSampled :

VN0108MBSD01

Tot Ion:	101	Resp:	161403
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.3	49.9
151	83.7	67.0	100.4

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#10

Methyl Iodide

Concen: 20.610 ug/l

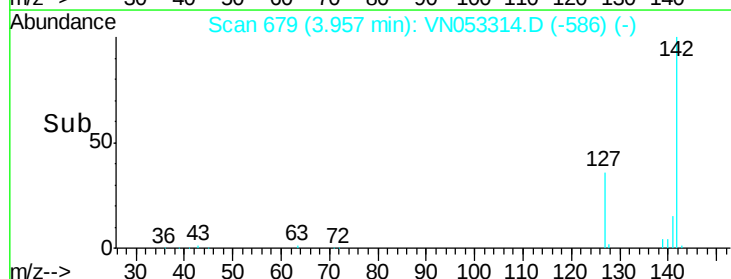
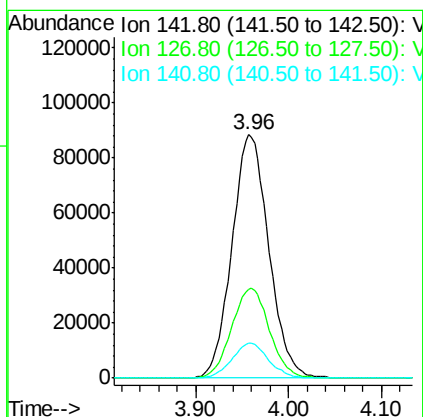
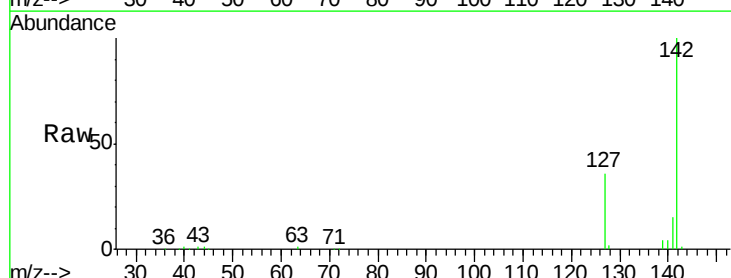
RT: 3.96 min Scan# 679

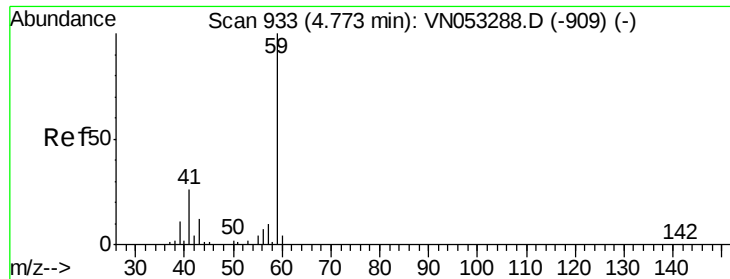
Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Tgt Ion:	142	Resp:	244014
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.9	46.3
141	14.3	11.2	16.8





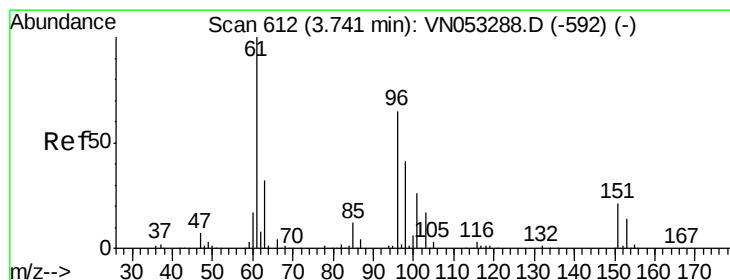
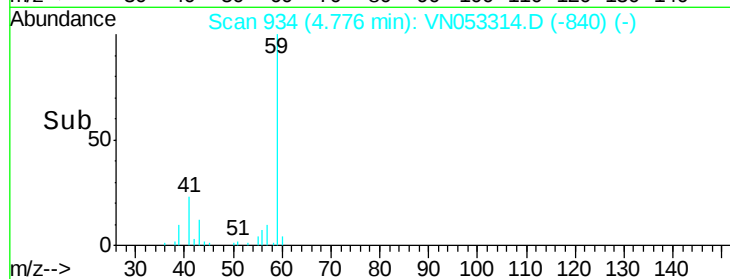
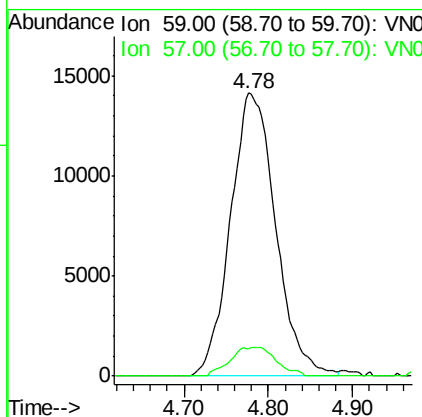
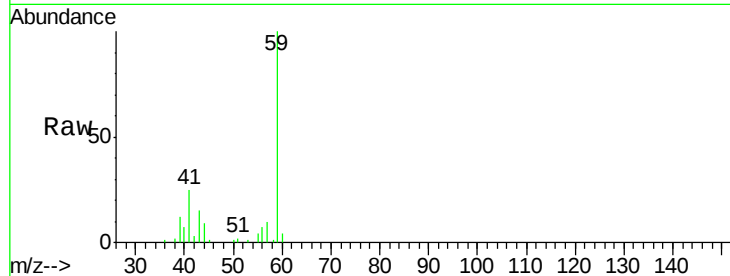
#11
Tert butyl alcohol
Concen: 95.992 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0108MBSD01

Tot Ion: 59 Resp: 52597
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

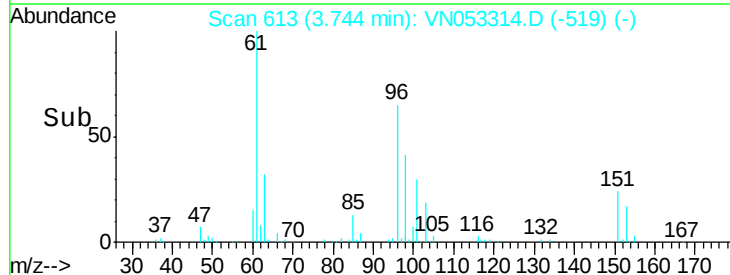
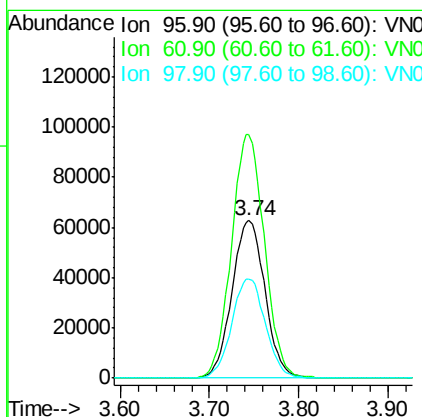
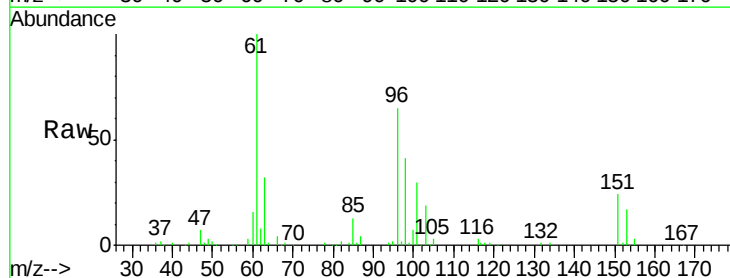
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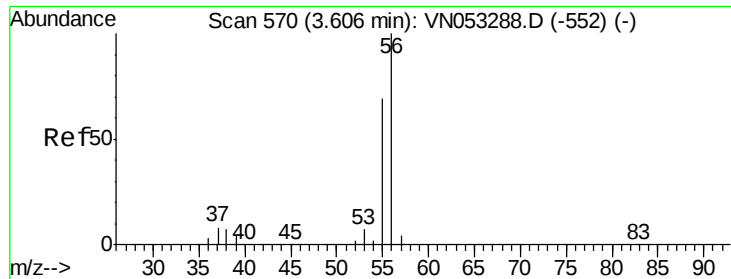
MMDadoda
1/9/2019 10:57:55 AM



#12
1,1-Dichloroethene
Concen: 19.729 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion: 96 Resp: 161191
Ion Ratio Lower Upper
96 100
61 154.5 123.2 184.8
98 63.2 50.5 75.7





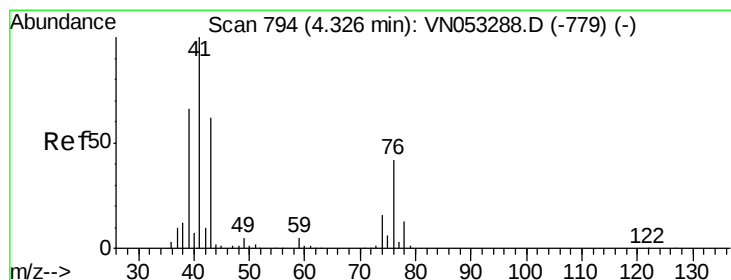
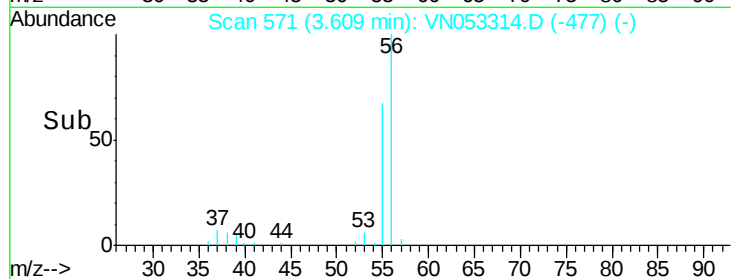
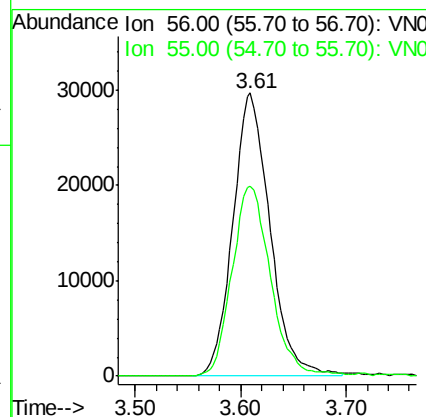
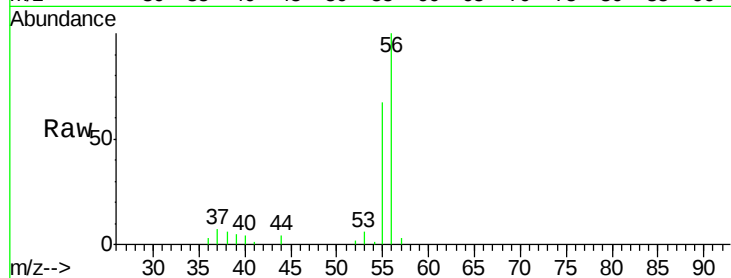
#13
Acrolein
Concen: 105.320 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	56	55	Resp	Lower	Upper
72558	100	69.5		56.3	84.5

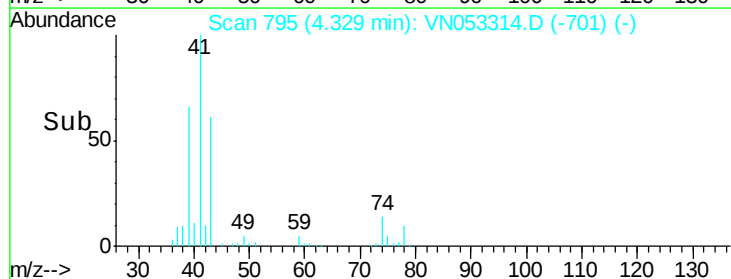
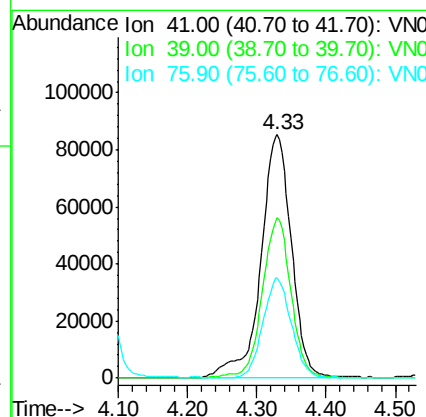
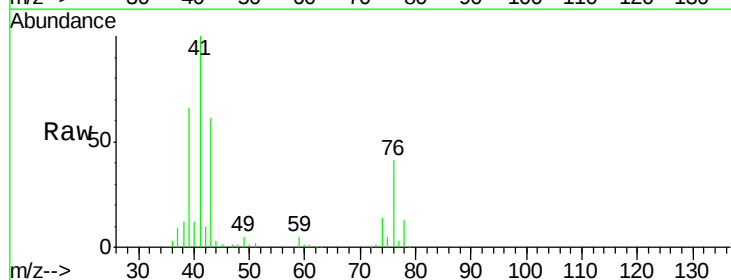
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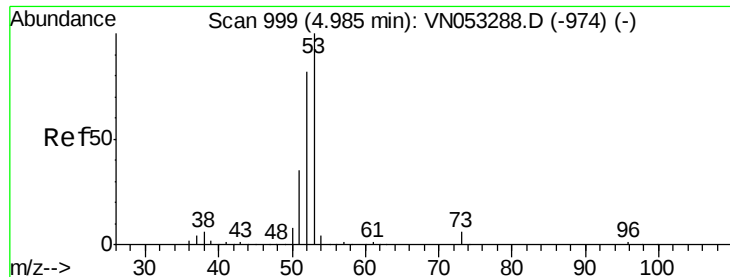
MMDadoda
1/9/2019 10:57:55 AM



#14
Allyl chloride
Concen: 19.897 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	41	39	76	Resp	Lower	Upper
262013	100	61.4	37.7		51.9	77.9
					31.2	46.8





#15

Acrylonitrile

Concen: 98.076 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

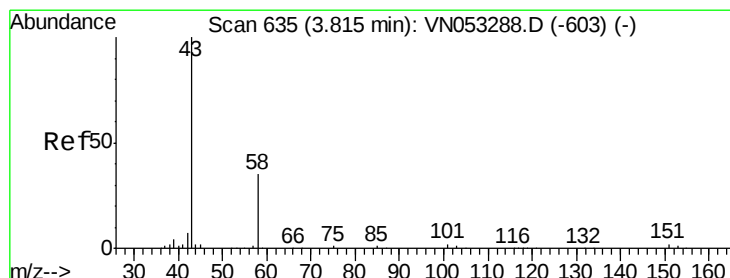
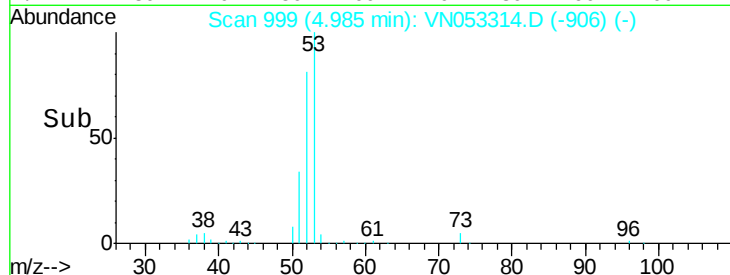
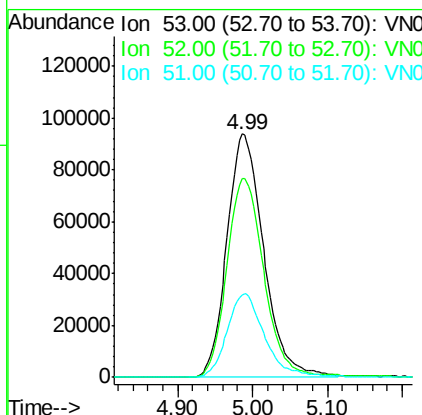
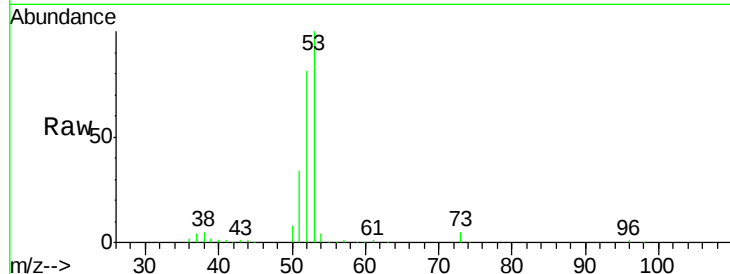
ClientSampleId :

VN0108MBSD01

Tot Ion:	53	Resp:	320799
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	34.9	28.0	42.0

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#16

Acetone

Concen: 94.849 ug/l

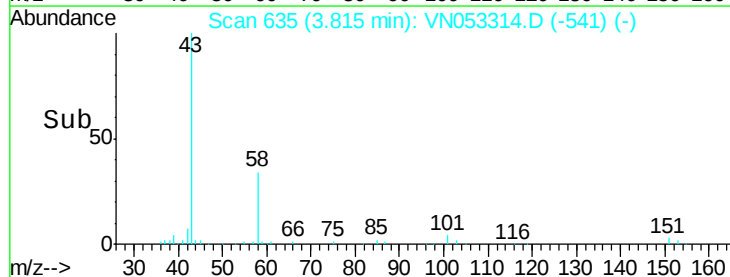
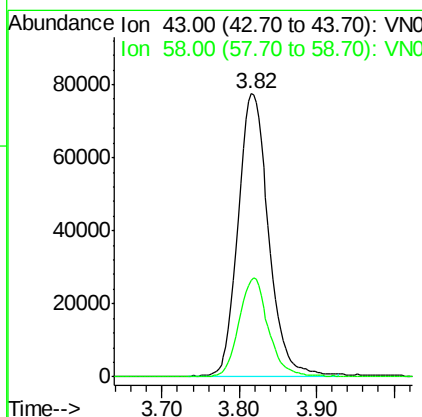
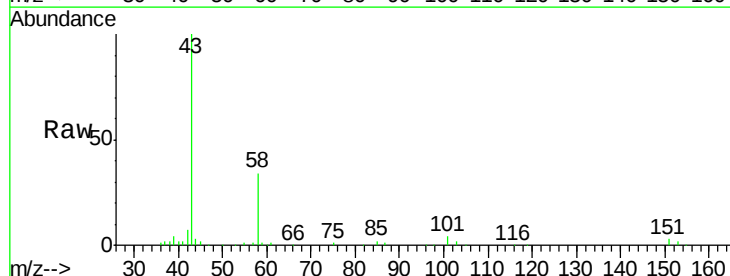
RT: 3.82 min Scan# 635

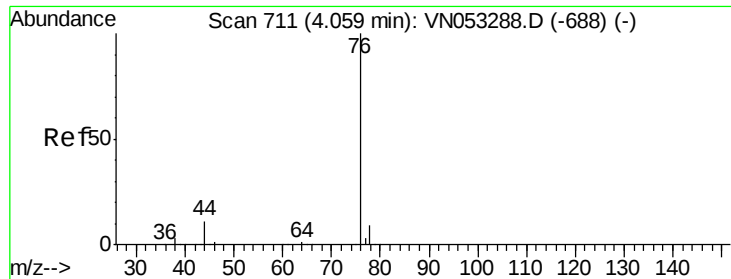
Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Tgt Ion:	43	Resp:	210993
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.6





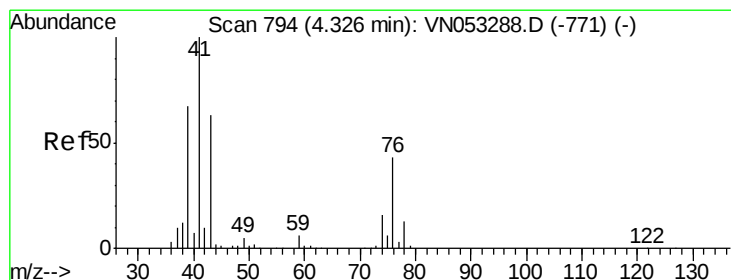
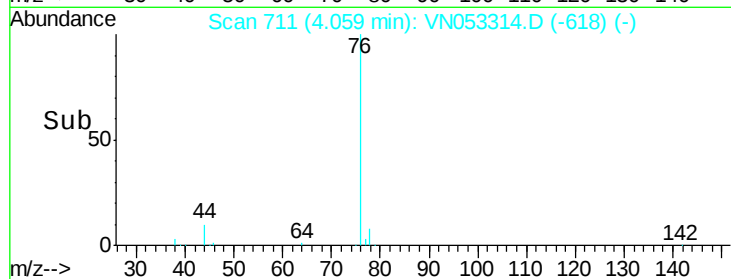
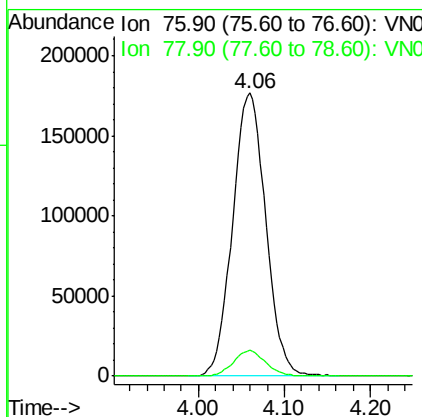
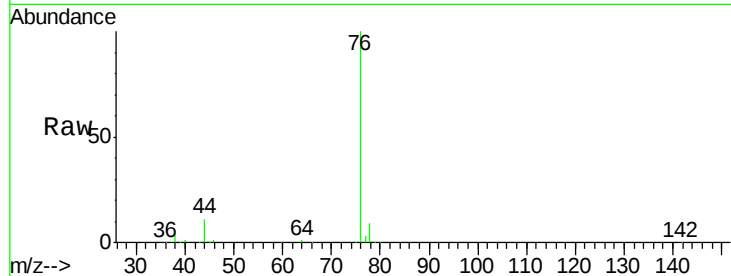
#17
Carbon Disulfide
Concen: 18.795 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

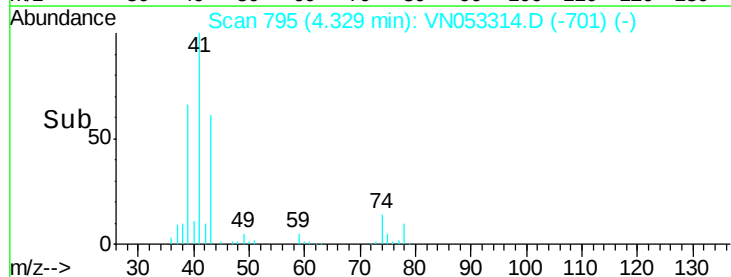
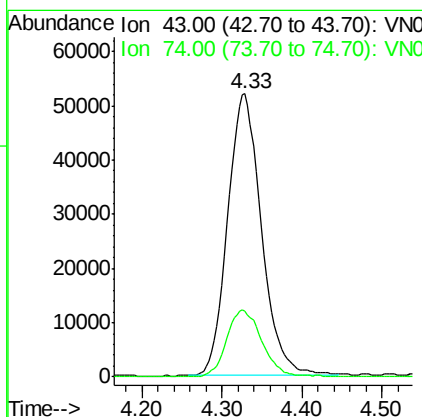
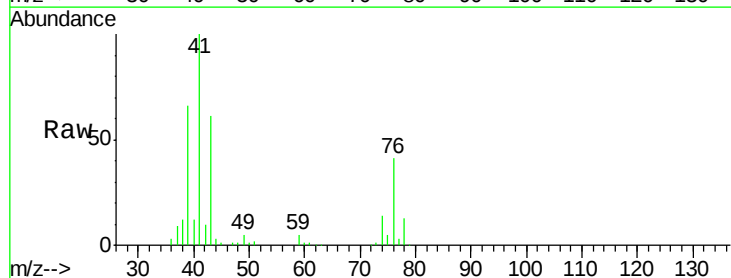
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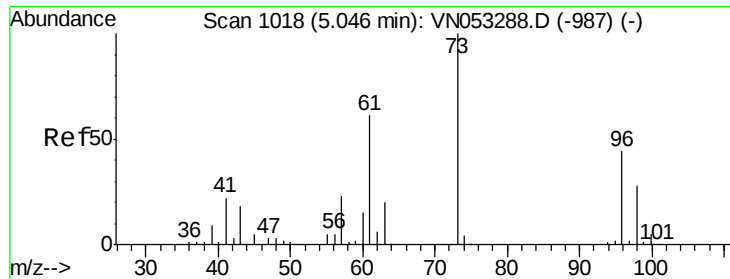
MMDadoda
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#18
Methyl Acetate
Concen: 18.160 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.8	29.8





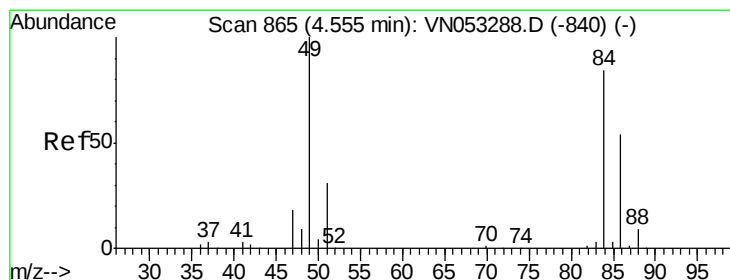
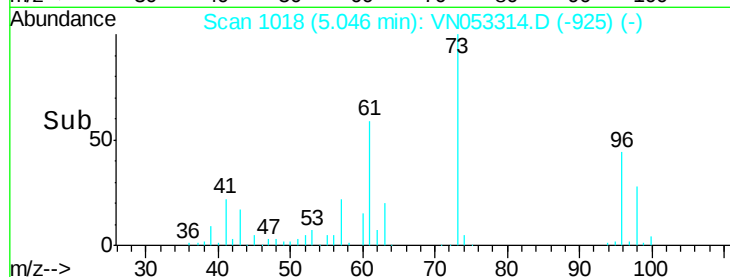
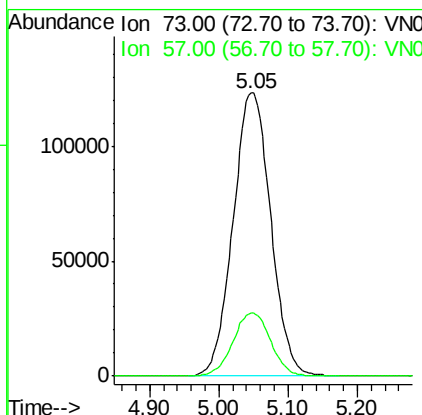
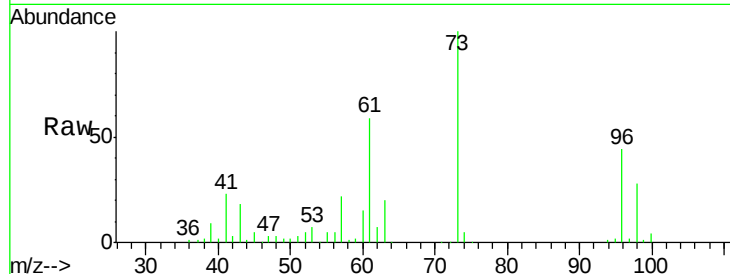
#19
Methvl tert-butvl Ether
Concen: 20.287 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion: 73 Resp: 465183
Ion Ratio Lower Upper
73 100
57 22.2 18.5 27.7

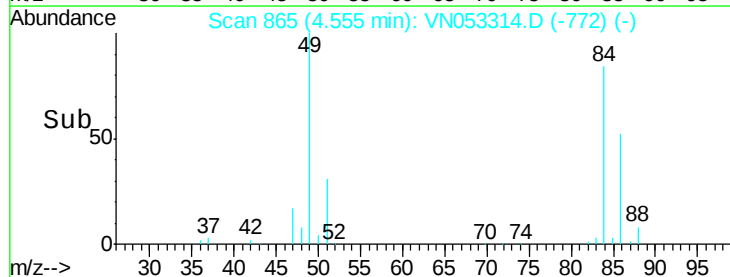
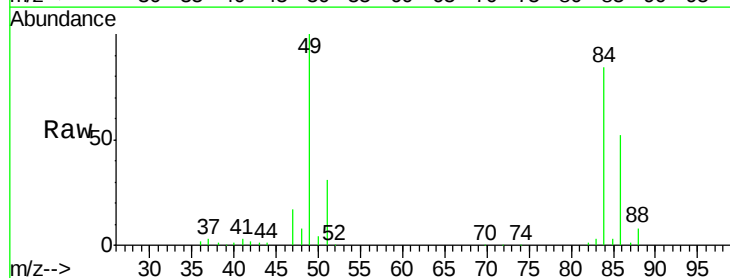
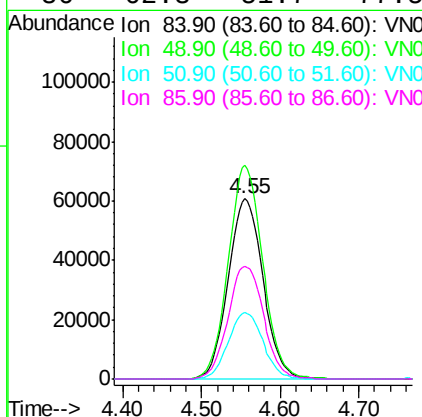
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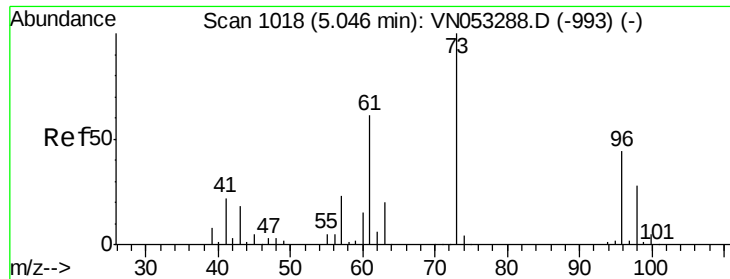
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#20
Methylene Chloride
Concen: 19.182 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion: 84 Resp: 187680
Ion Ratio Lower Upper
84 100
49 118.7 95.3 142.9
51 36.9 29.0 43.6
86 62.3 51.7 77.5





#21

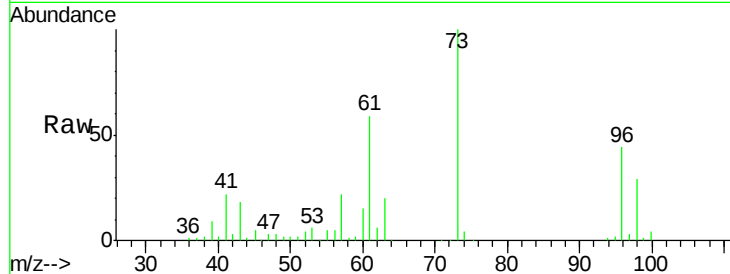
trans-1,2-Dichloroethene
Concen: 19.781 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	110.2	165.4
98	64.3	50.7	76.1

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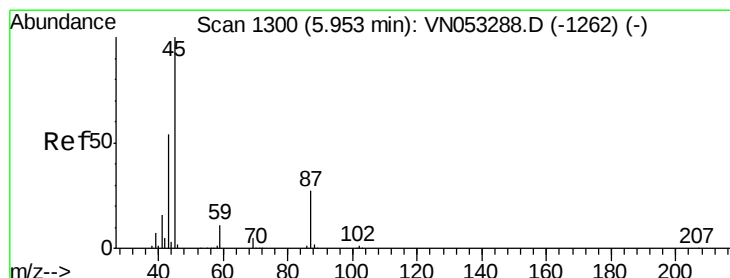
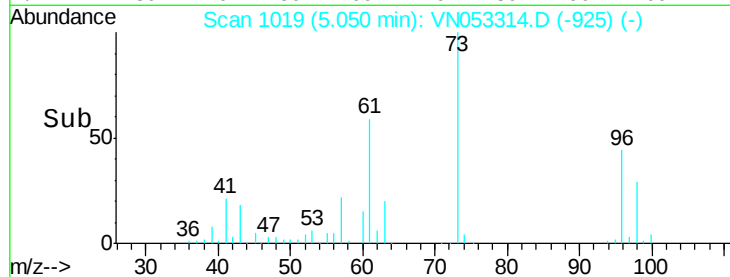
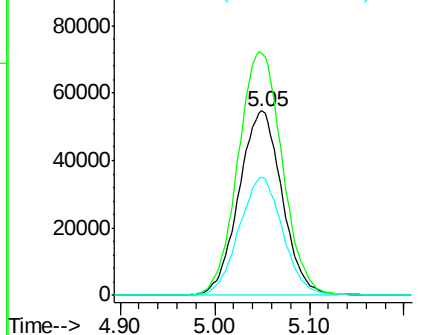


Abundance

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: 19.853 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	43.0	64.6
87	28.8	22.1	33.1
59	12.1	9.0	13.4

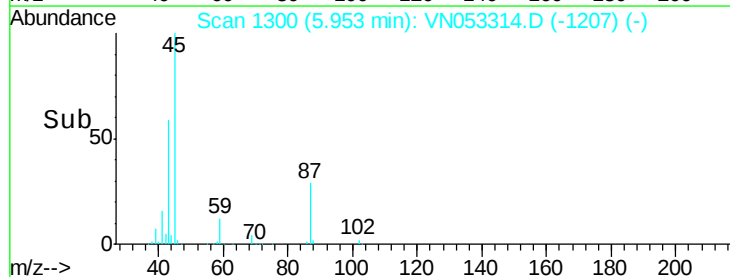
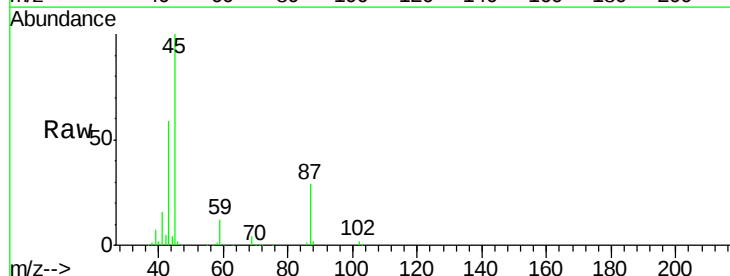
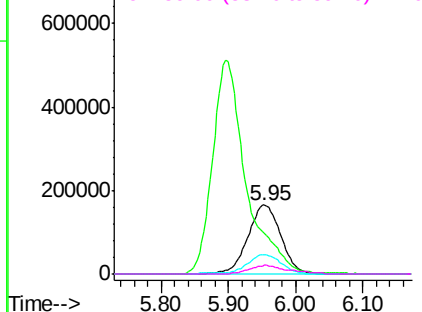
Abundance

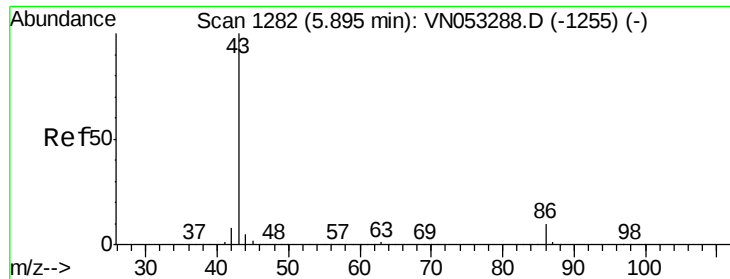
Ion 45.00 (44.70 to 45.70): VNC

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: 99.477 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBSD01

Tot Ion: 43 Resp: 1775634

Ion Ratio Lower Upper

43 100

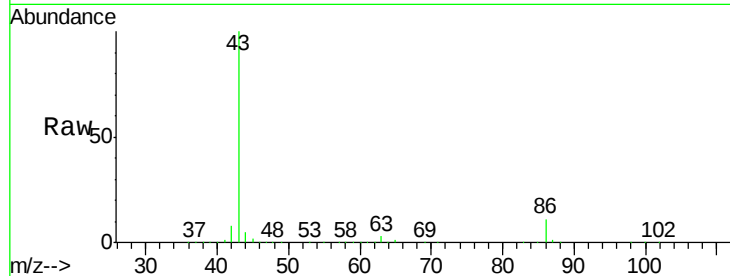
86 10.5 8.4 12.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

600000

500000

400000

300000

200000

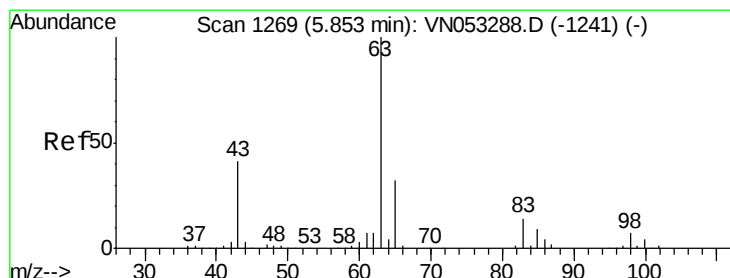
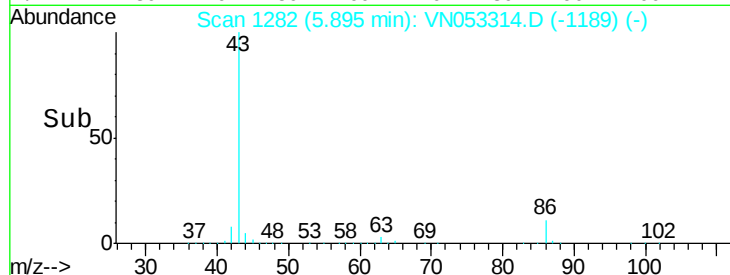
100000

0

5.90

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.914 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

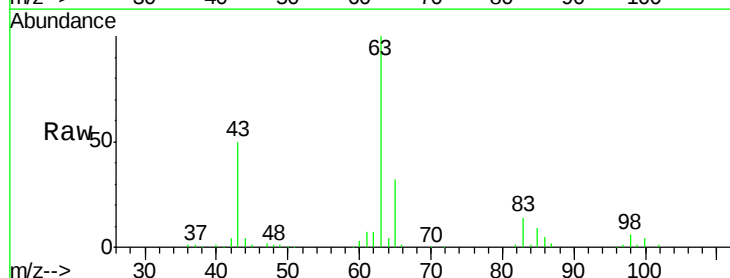
Tgt Ion: 63 Resp: 325820

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.4 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

100000

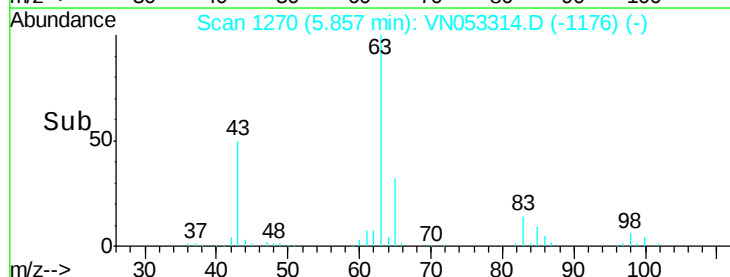
50000

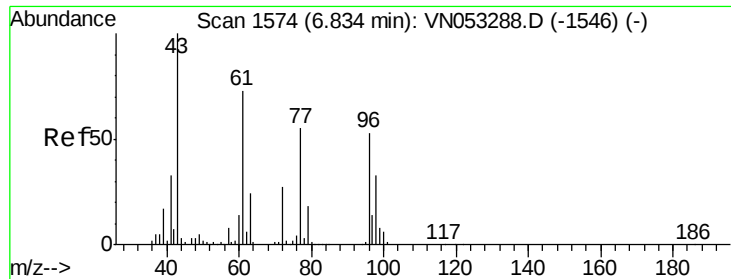
0

5.86

5.70 5.80 5.90 6.00

Time-->





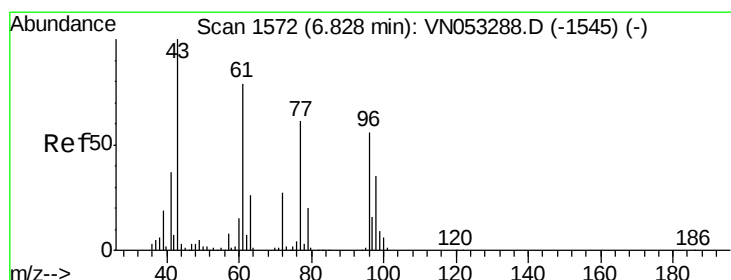
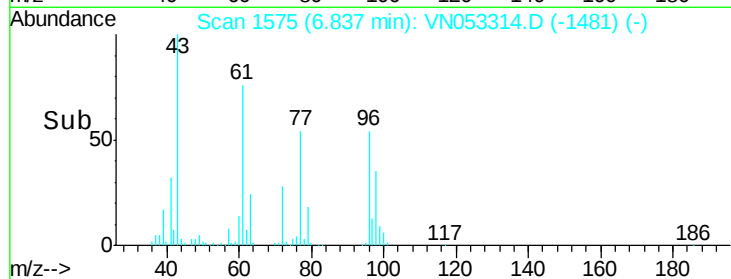
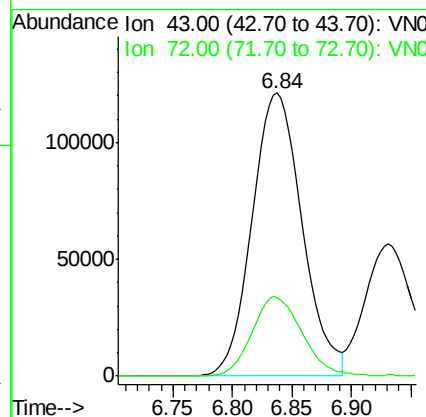
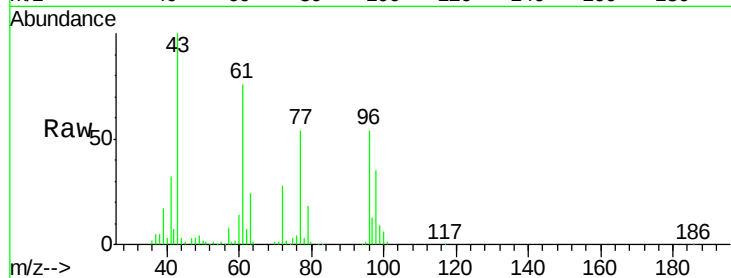
#25
2-Butanone
Concen: 94.137 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0108MBSD01

Tot Ion: 43 Resp: 351827
Ion Ratio Lower Upper
43 100
72 27.9 22.0 33.0

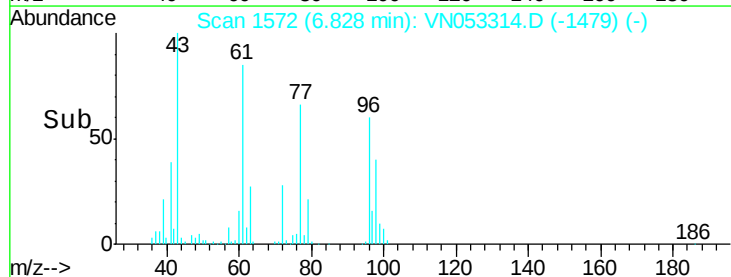
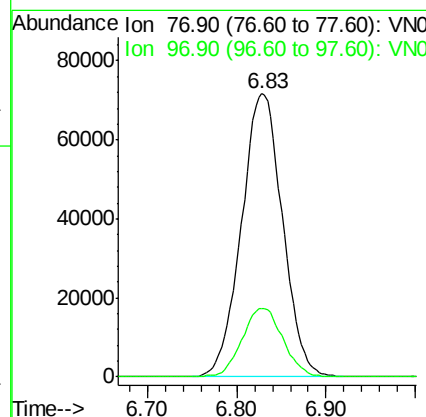
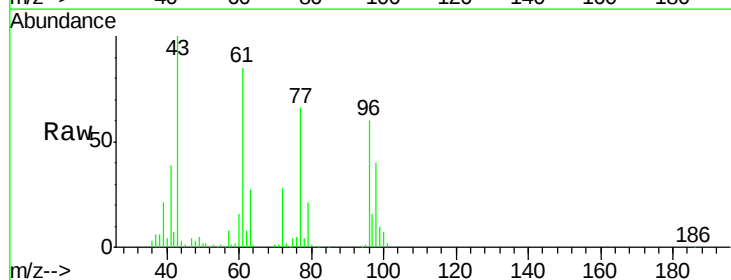
Manual Integrations
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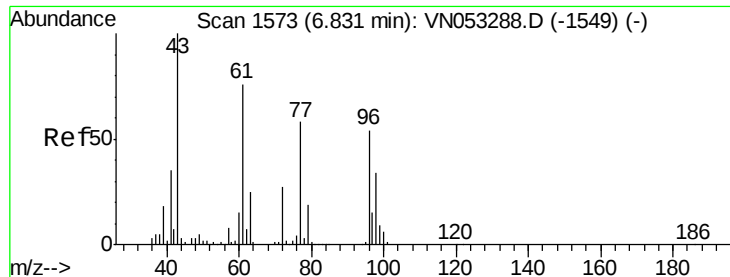
MMDadoda
1/9/2019 10:57:55 AM



#26
2,2-Dichloropropane
Concen: 19.188 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion: 77 Resp: 229492
Ion Ratio Lower Upper
77 100
97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.954 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053314.D

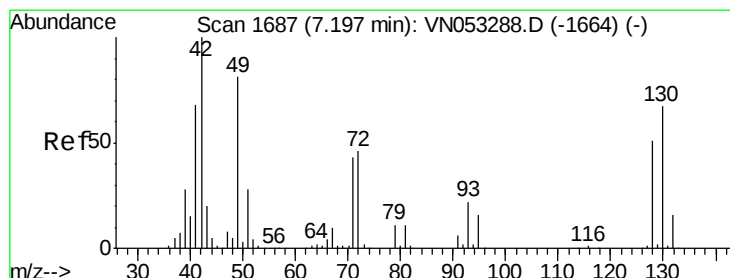
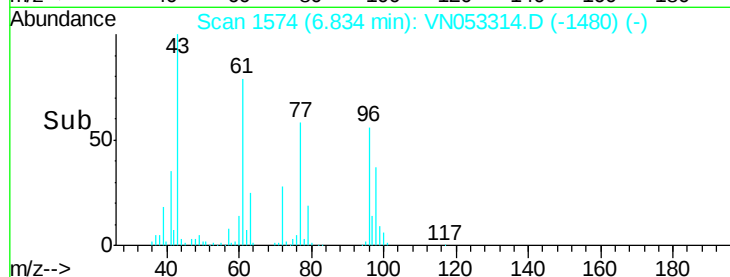
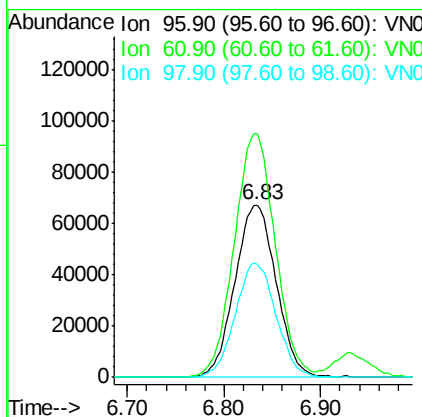
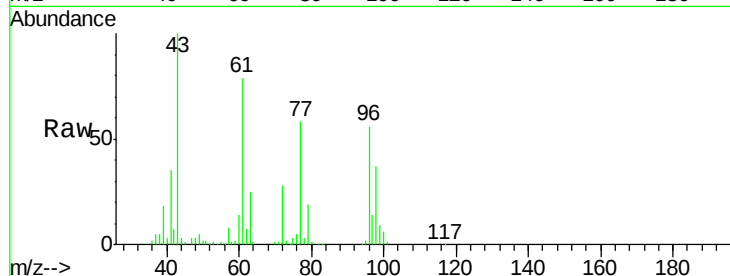
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	199898		
61	140.0	0.0	280.6	
98	65.5	0.0	127.6	

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#28

Bromochloromethane

Concen: 20.376 ug/l

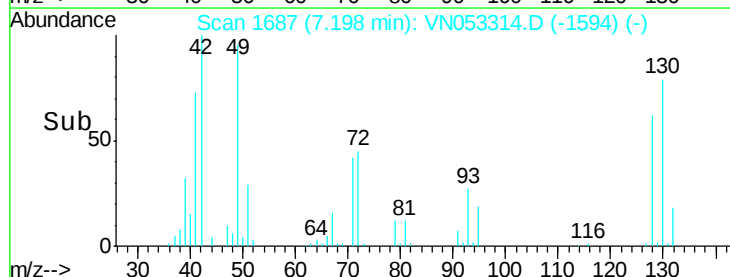
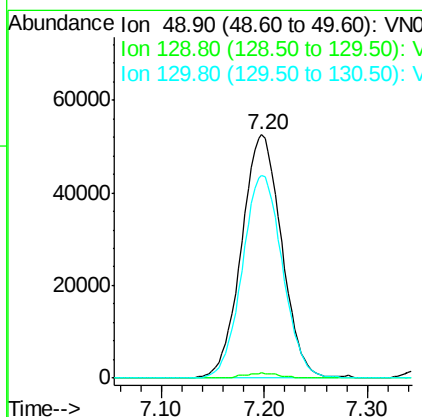
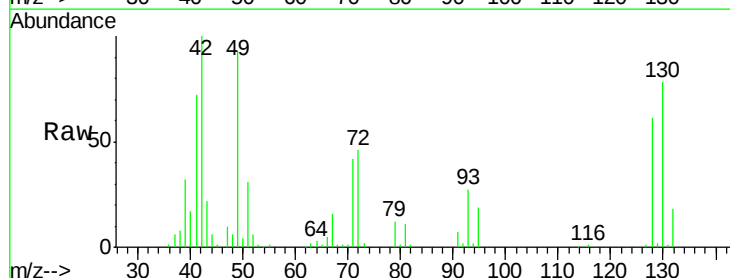
RT: 7.20 min Scan# 1687

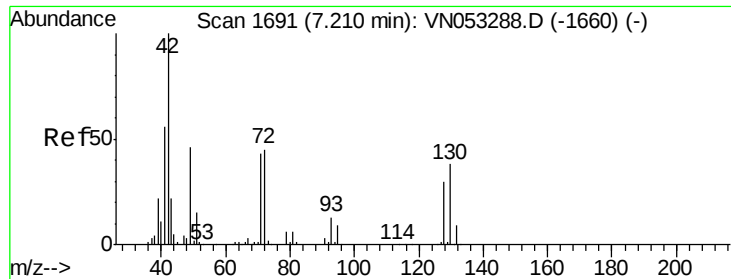
Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	142065		
129	1.9	0.0	3.8	
130	83.6	65.4	98.0	





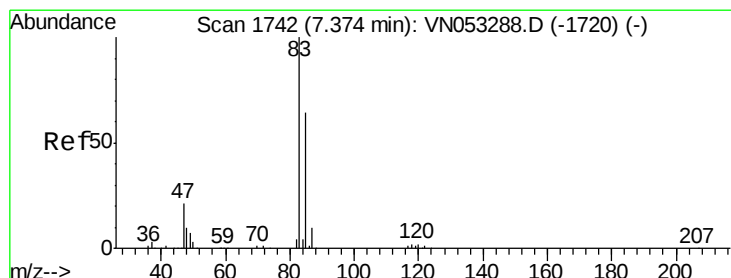
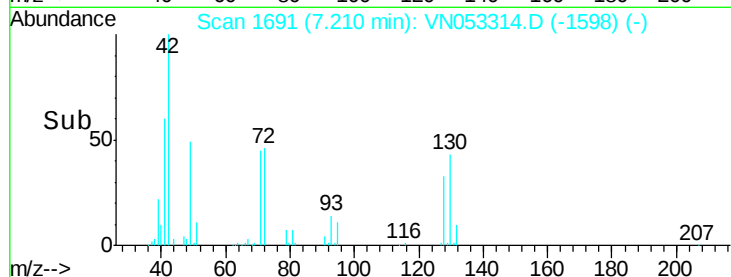
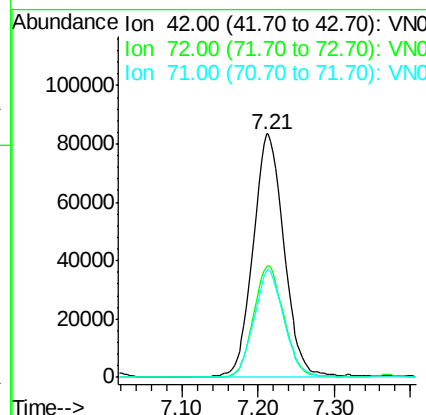
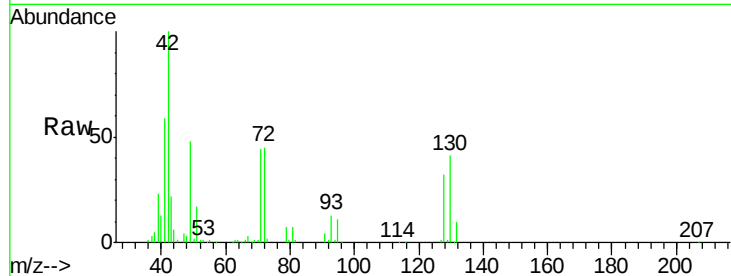
#29
Tetrahydrofuran
Concen: 96.084 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.6	53.4
71	42.8	33.8	50.8

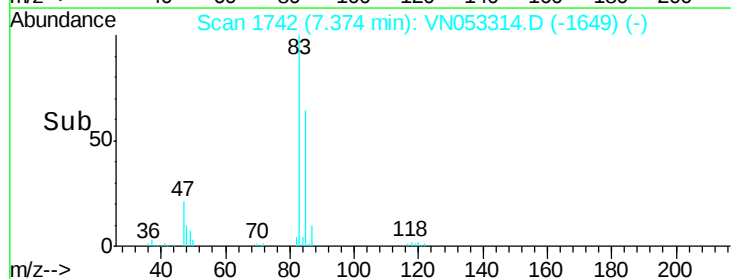
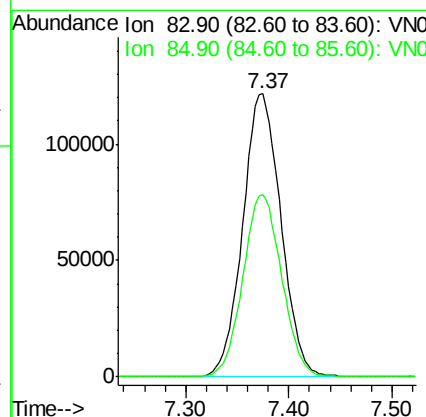
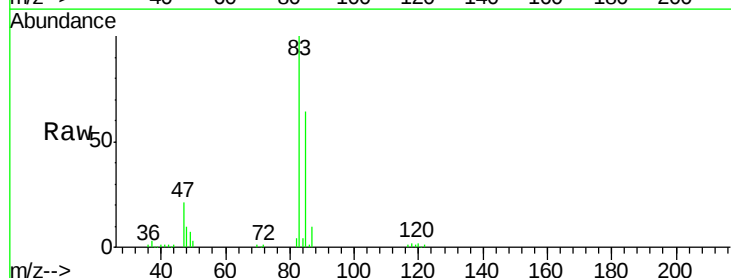
Manual Integrations
APPROVED

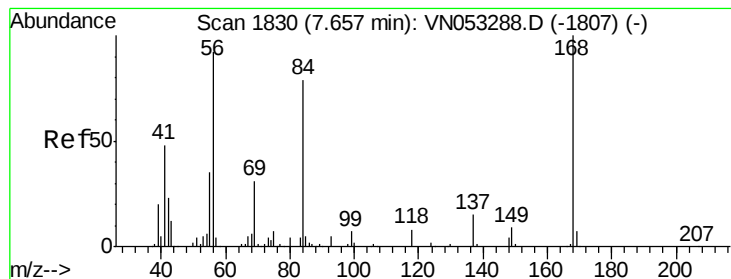
MMDadoda
1/9/2019 10:57:55 AM



#30
Chloroform
Concen: 19.452 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9





#31

Cyclohexane

Concen: 18.918 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

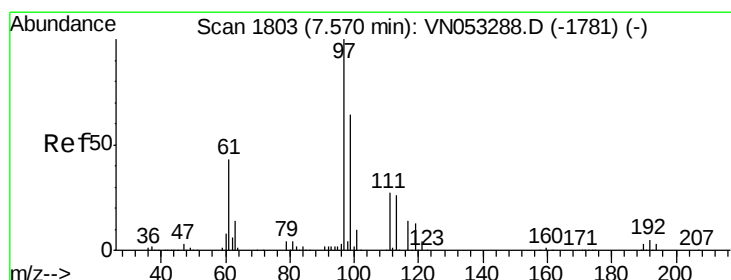
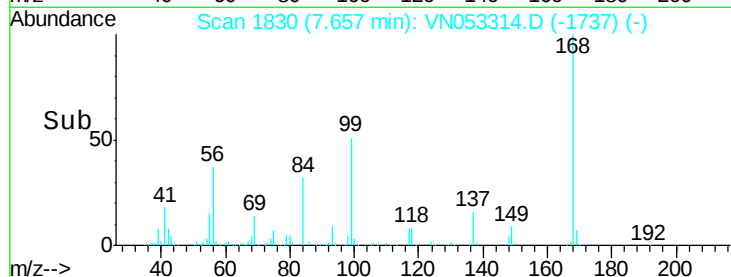
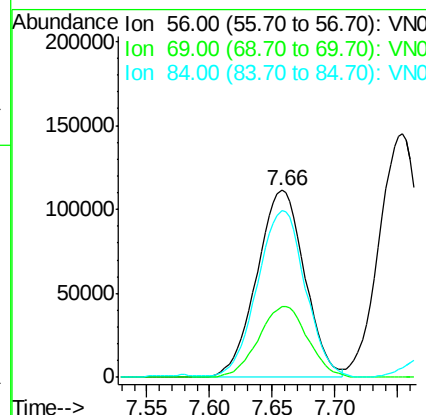
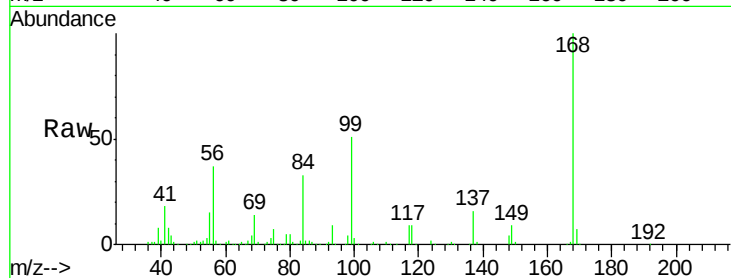
ClientSampleId :

VN0108MBSD01

Tot Ion:	56	Resp:	296012
Ion Ratio	Lower	Upper	
56	100		
69	37.8	26.7	40.1
84	88.0	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.566 ug/l

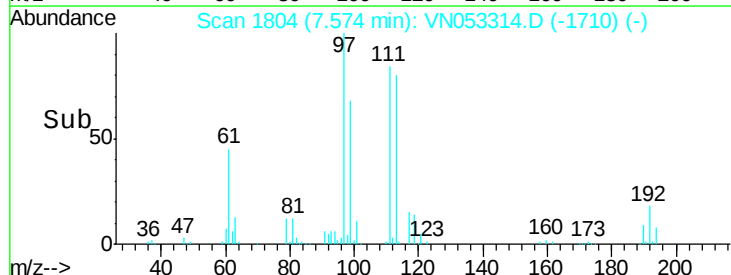
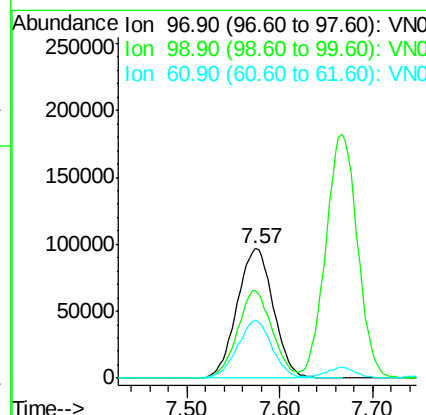
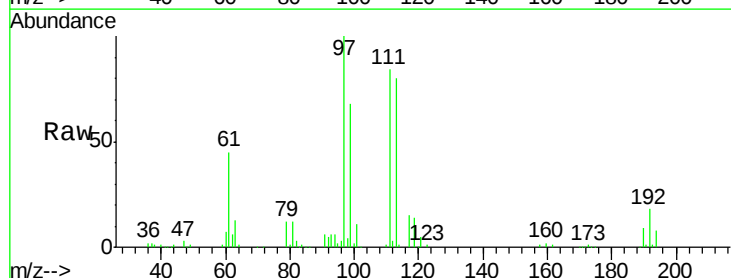
RT: 7.57 min Scan# 1804

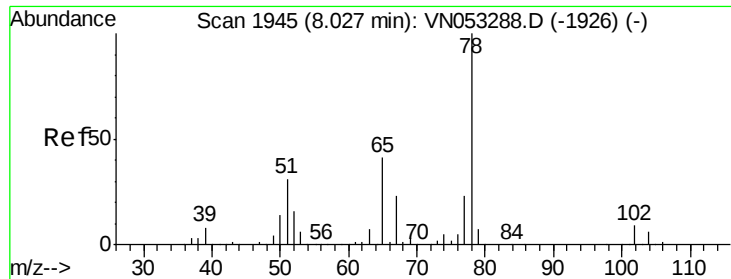
Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Tgt Ion:	97	Resp:	262571
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	42.5	34.6	52.0





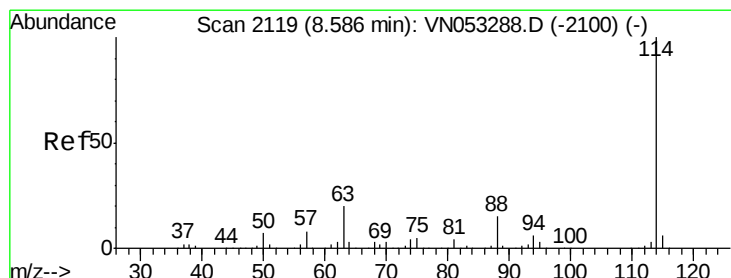
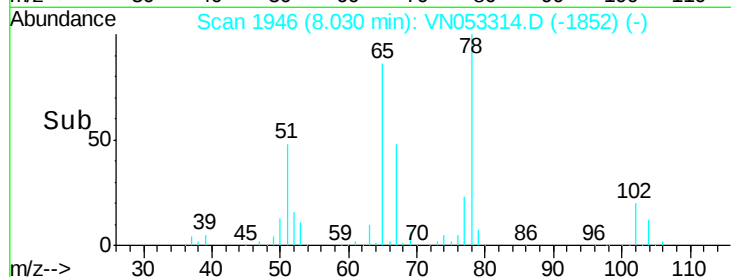
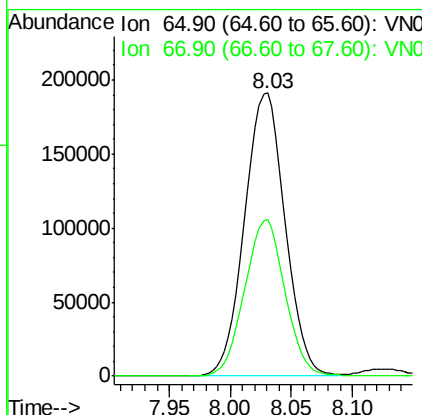
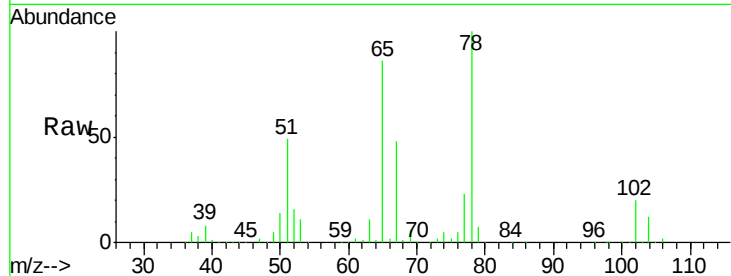
#33
 1,2-Dichloroethane-d4
 Concen: 19.566 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBSD01

Tot Ion: 65 Resp: 439835
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0

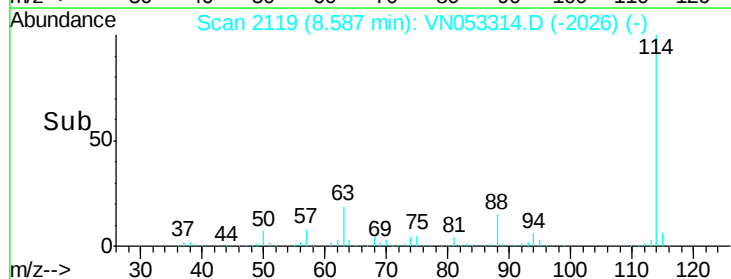
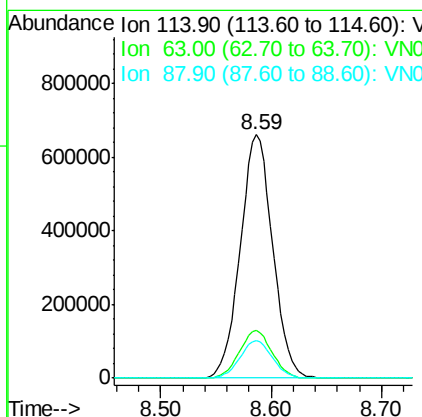
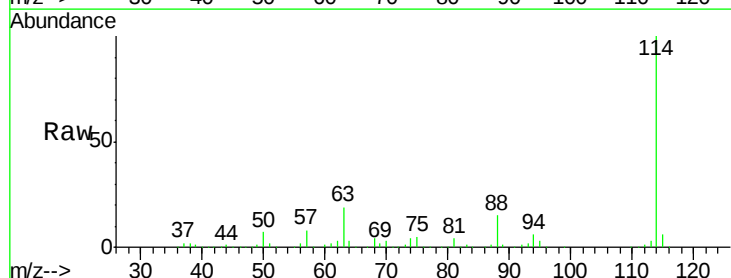
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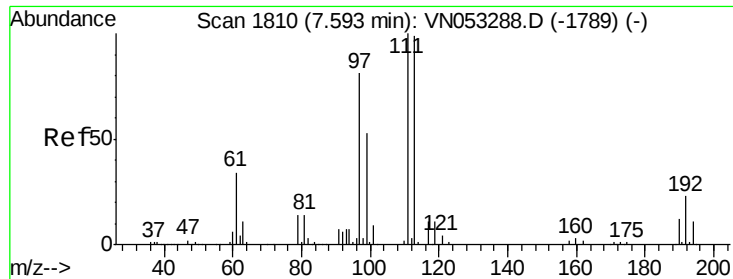
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Tgt Ion: 114 Resp: 1341191
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.5 0.0 30.8





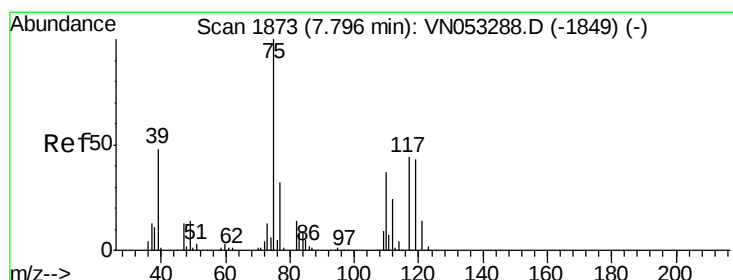
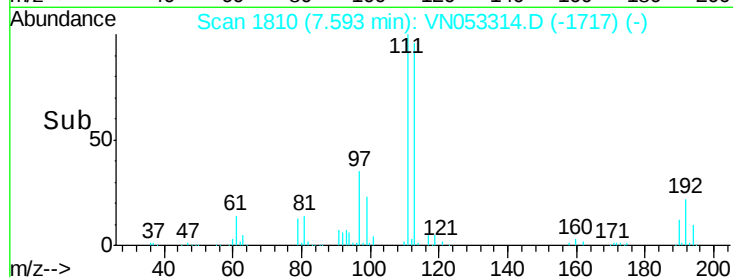
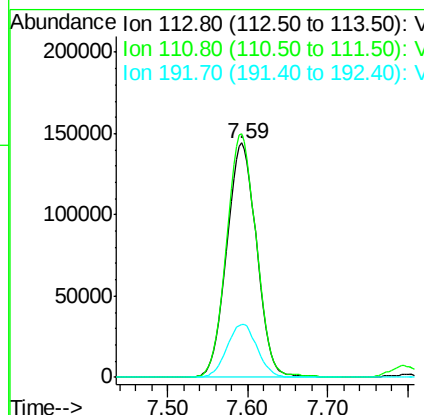
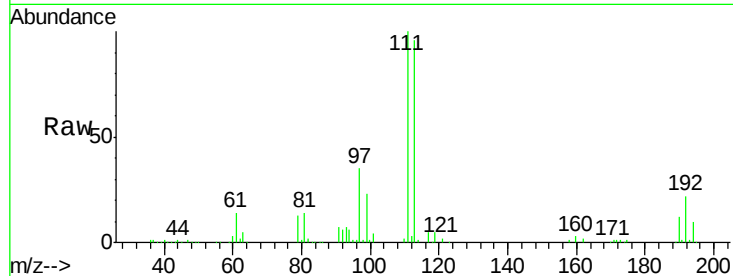
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	366447		
111	102.8	81.4	122.2	
192	23.0	17.9	26.9	

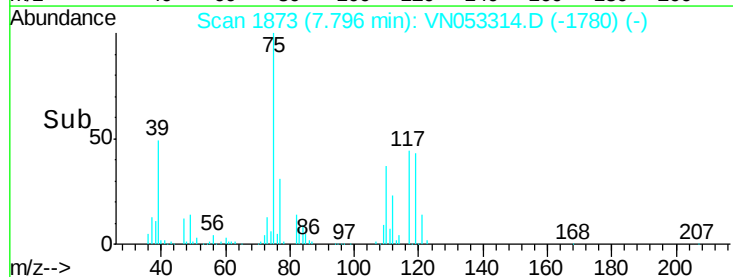
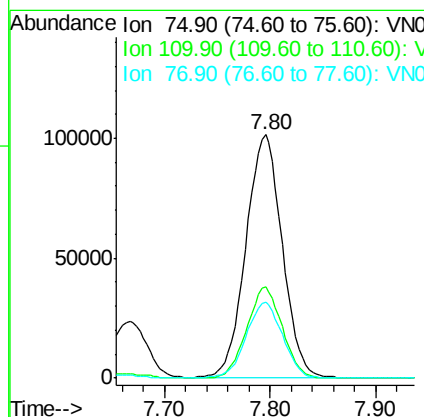
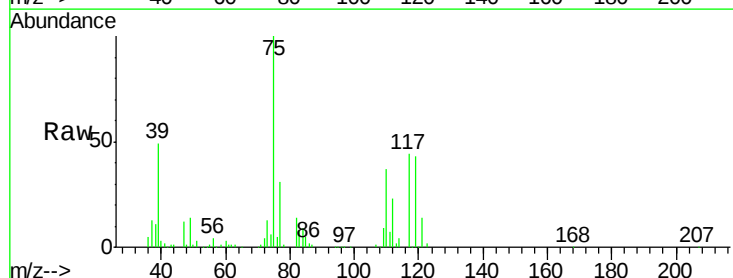
Manual Integrations
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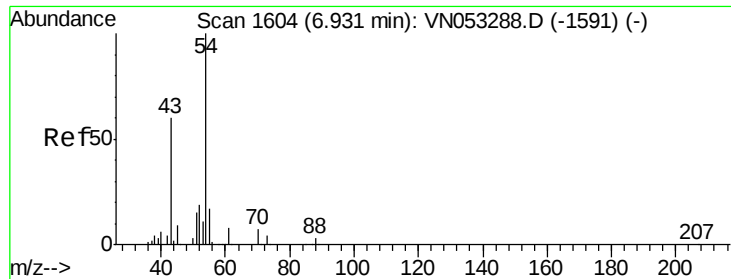
MMDadoda
1/9/2019 10:57:55 AM



#36
1,1-Dichloropropene
Concen: 19.343 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	242194		
110	36.8	18.4	55.0	
77	31.5	25.3	37.9	





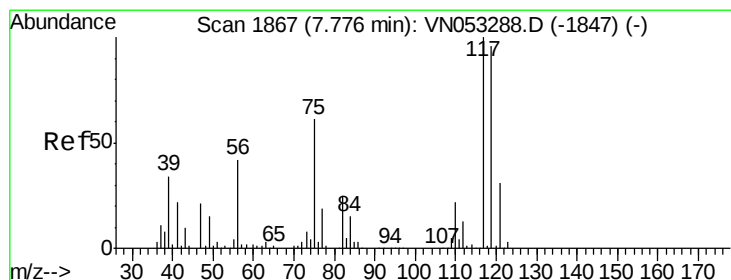
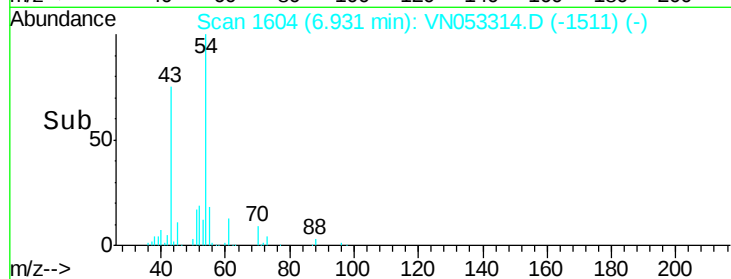
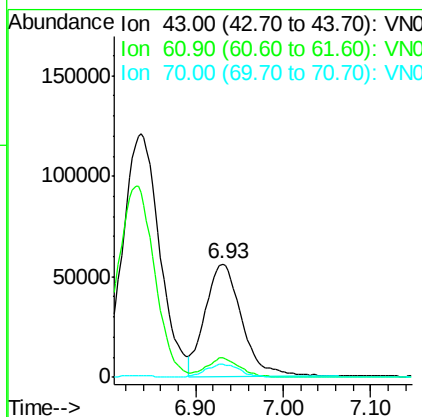
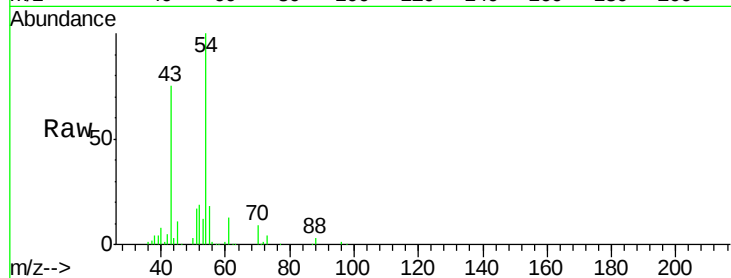
#37
Ethyl Acetate
Concen: 19.986 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	10.8	8.6	13.0

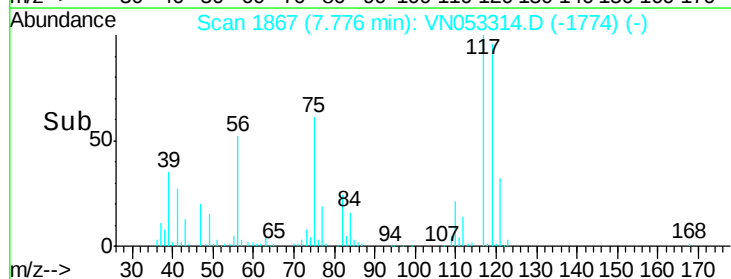
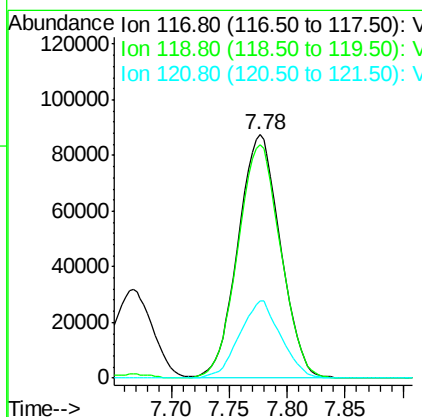
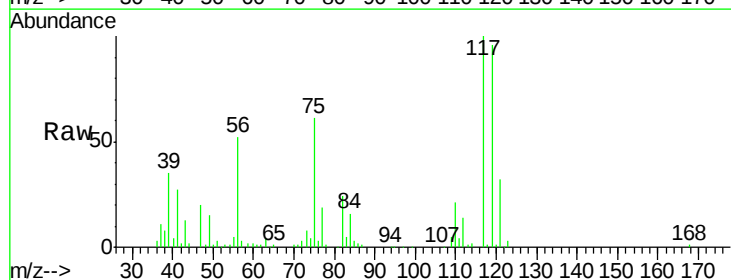
Manual Integrations
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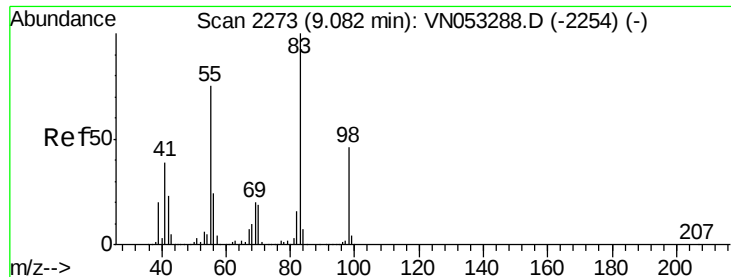
MMDadoda
1/9/2019 10:57:55 AM



#38
Carbon Tetrachloride
Concen: 19.126 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	115.0
121	32.0	25.0	37.4





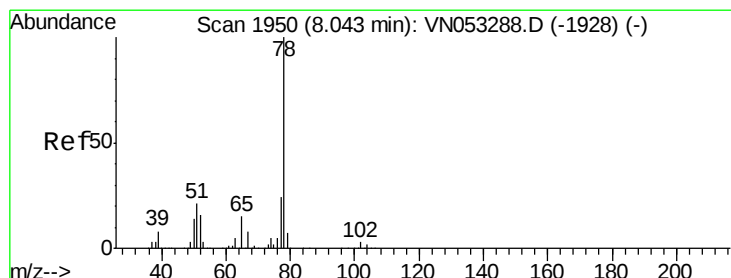
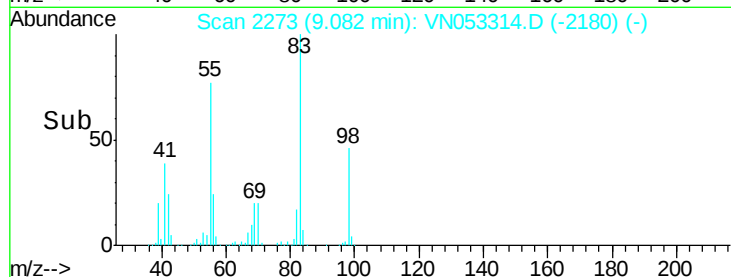
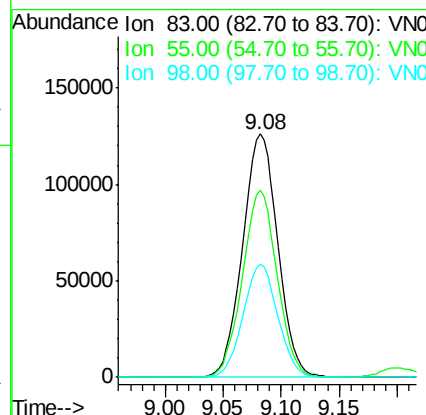
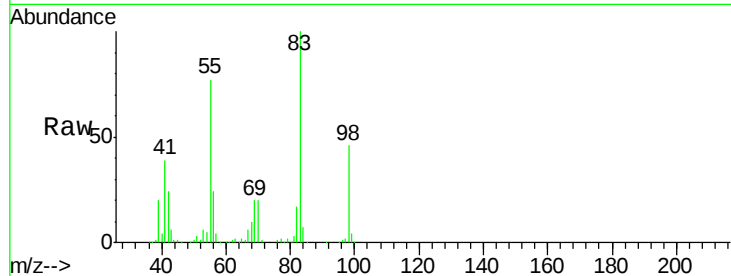
#39
Methvlcvclohexane
Concen: 18.343 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	60.1	90.1
98	46.4	36.7	55.1

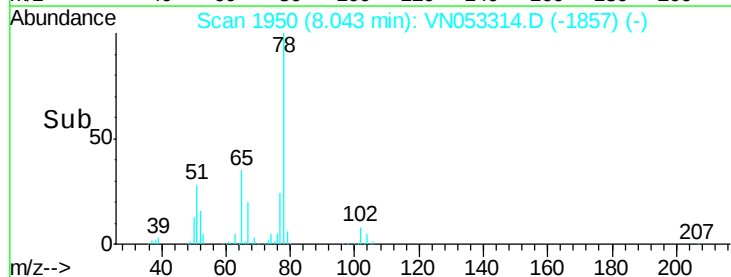
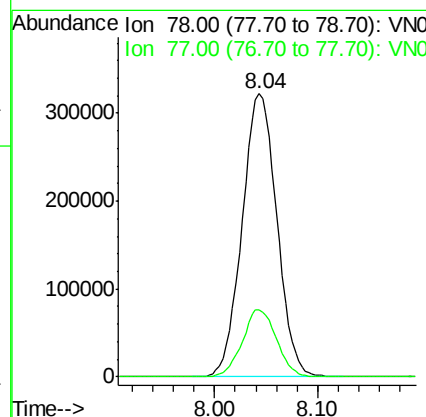
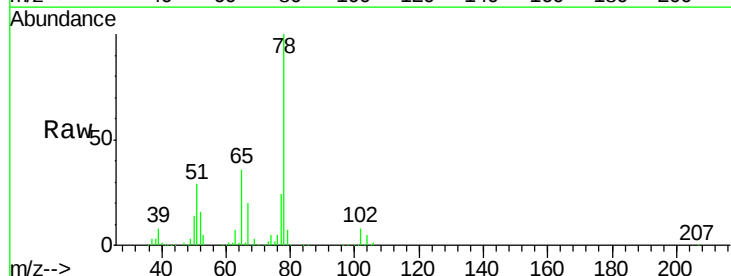
Manual Integrations
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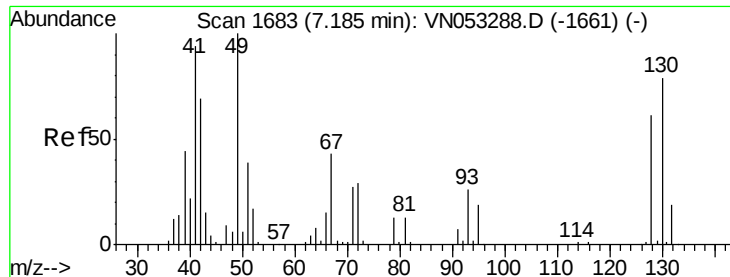
MMDadoda
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#40
Benzene
Concen: 19.744 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





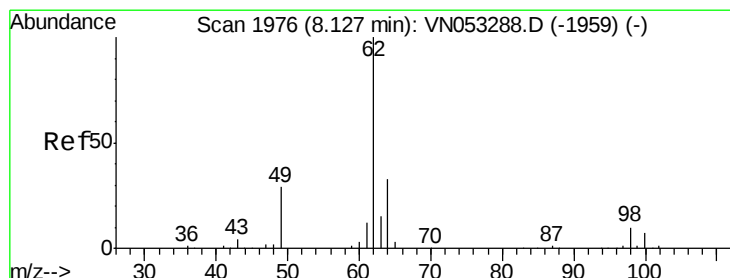
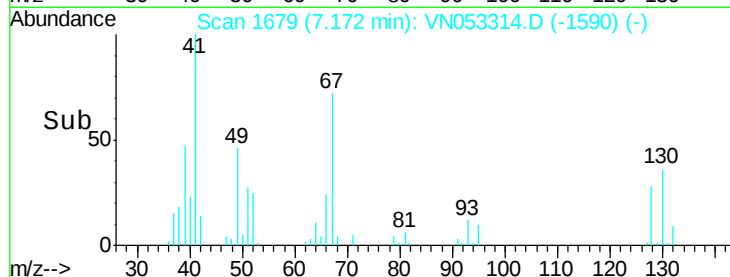
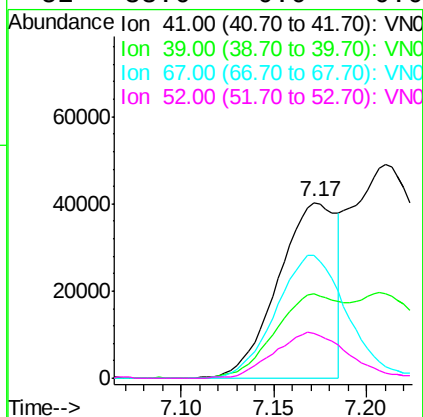
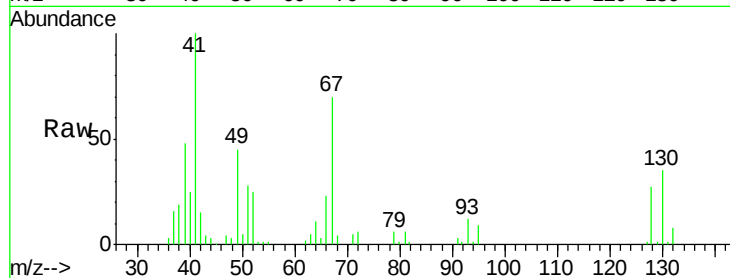
#41
Methacrylonitrile
Concen: 17.380 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0108MBSD01

Tot Ion	41	Resp	87999
Ion Ratio	Lower	Upper	
41	100		
39	53.3	0.0	0.0#
67	86.2	0.0	0.0#
52	33.6	0.0	0.0#

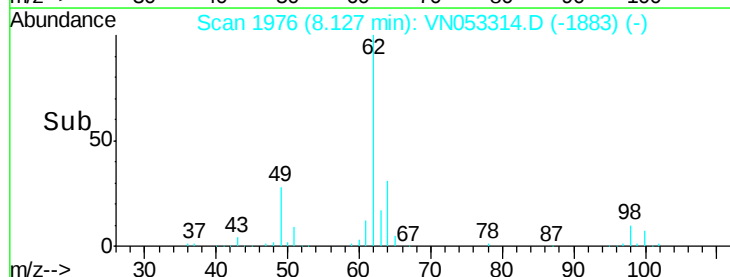
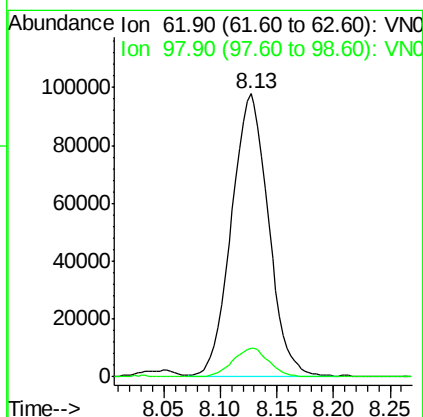
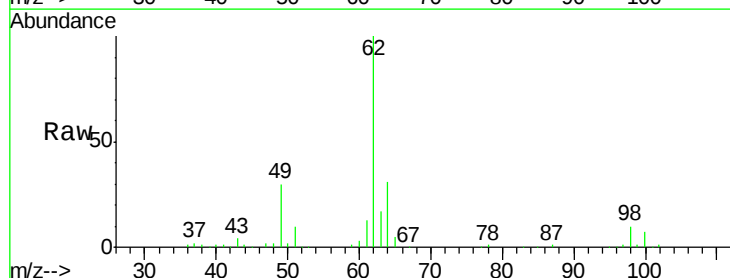
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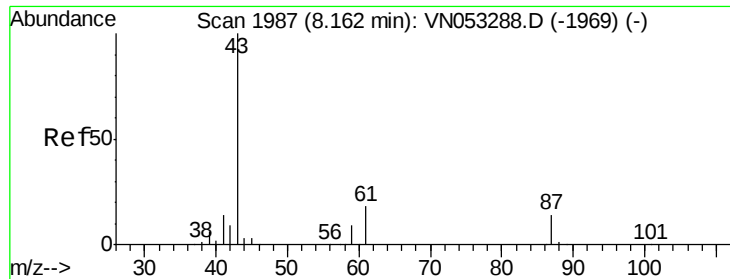
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.505 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	62	Resp	221280
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.666 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

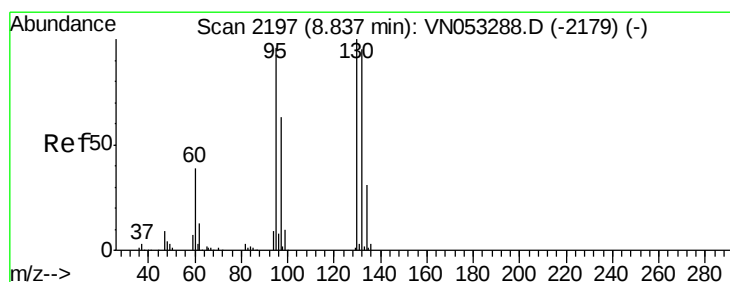
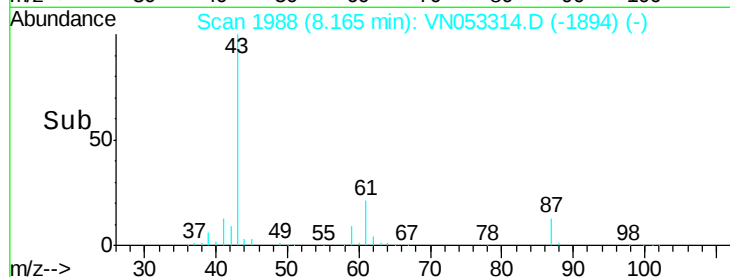
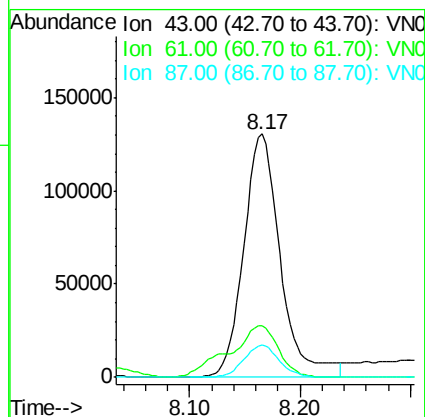
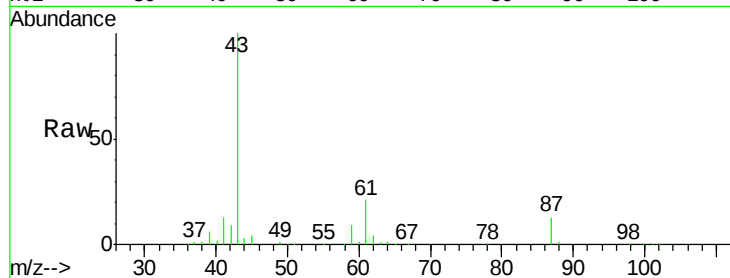
ClientSampled :

VN0108MBSD01

Tot Ion:	43	Resp:	299471
Ion Ratio	Lower	Upper	
43	100		
61	28.2	23.3	34.9
87	12.7	10.8	16.2

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#44

Trichloroethene

Concen: 19.501 ug/l

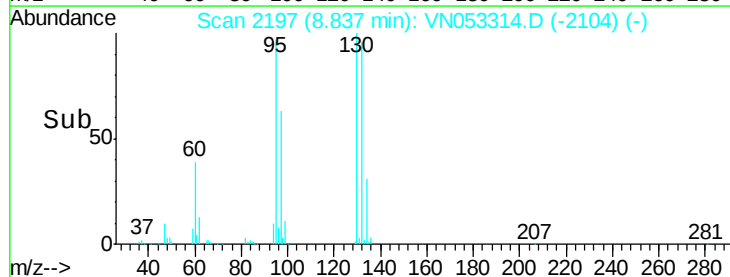
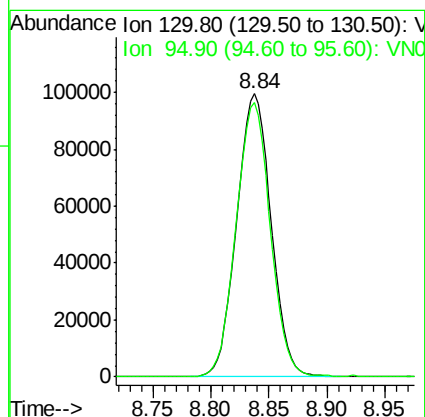
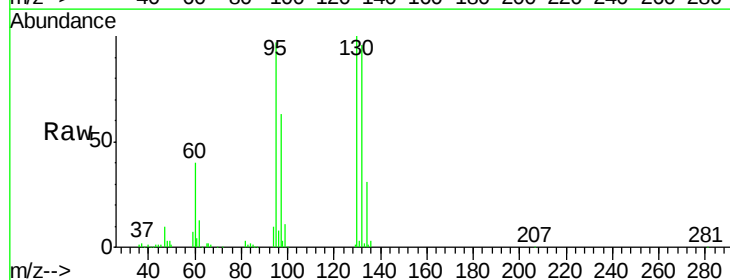
RT: 8.84 min Scan# 2197

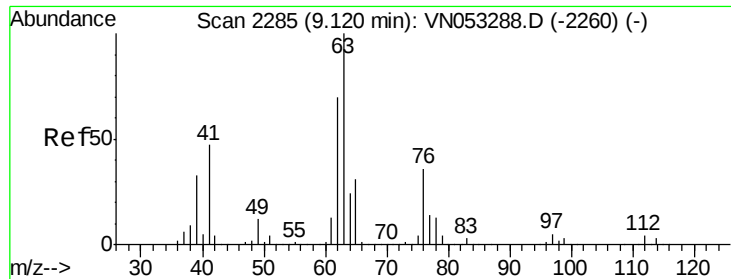
Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Tgt Ion:	130	Resp:	204801
Ion Ratio	Lower	Upper	
130	100		
95	97.0	0.0	191.8





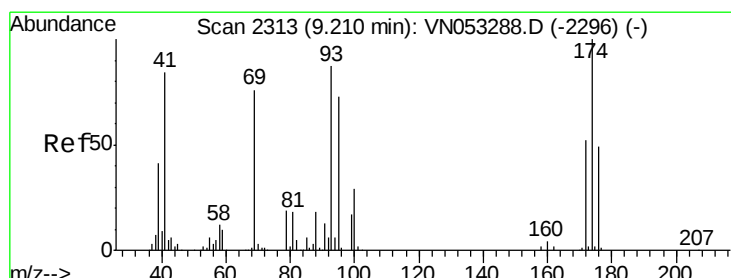
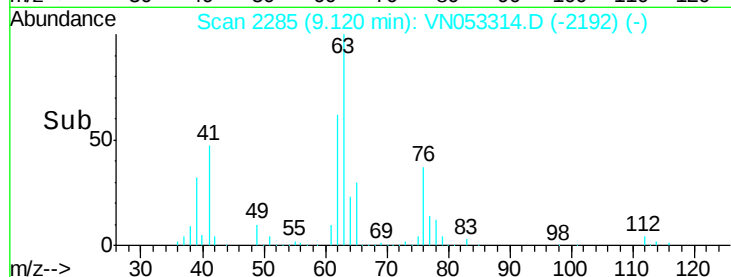
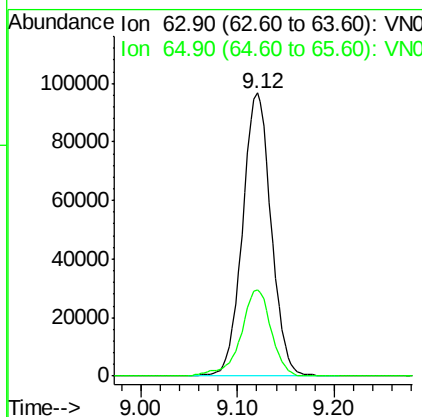
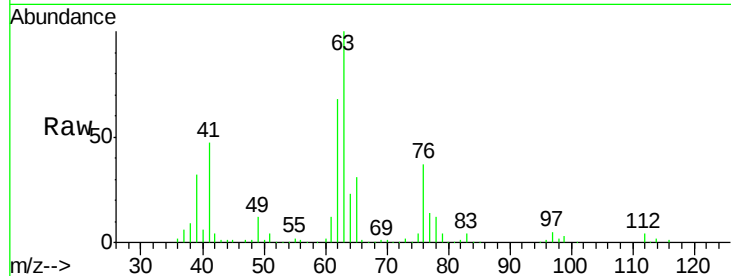
#45
 1,2-Dichloropropane
 Concen: 19.782 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBSD01

Tot Ion: 63 Resp: 198435
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

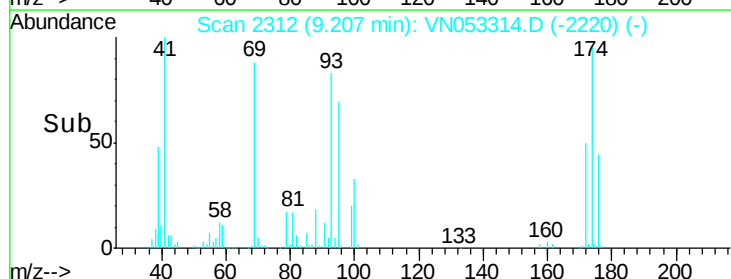
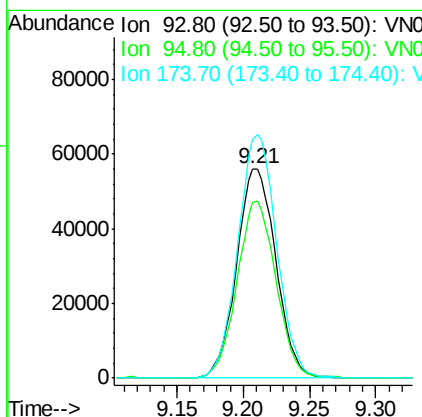
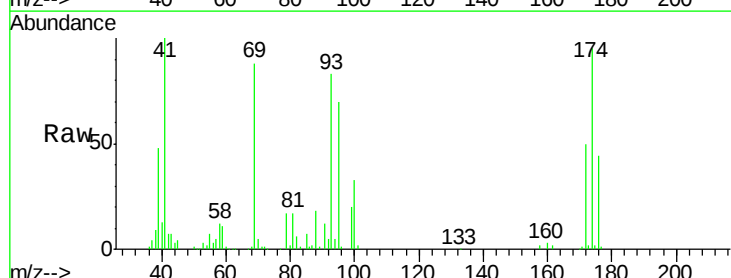
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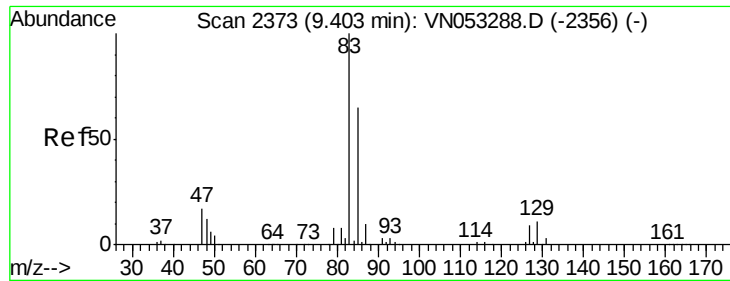
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#46
 Dibromomethane
 Concen: 19.735 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Tgt Ion: 93 Resp: 115428
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.6 100.0
 174 115.1 91.4 137.0





#47

Bromodichloromethane

Concen: 19.313 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

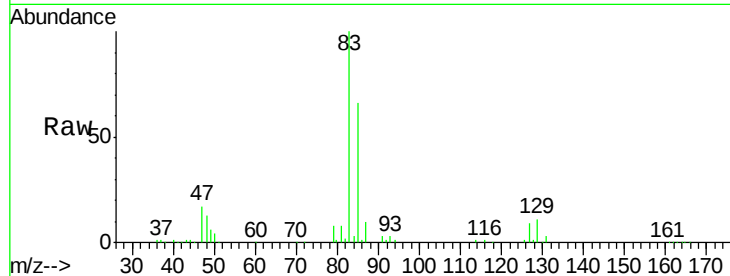
ClientSampleId :

VN0108MBS01

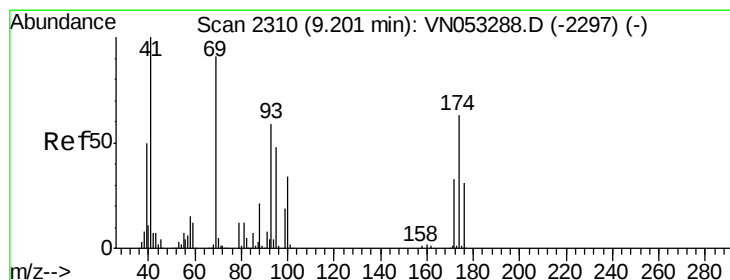
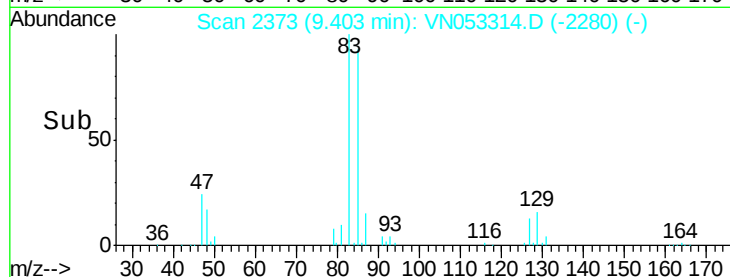
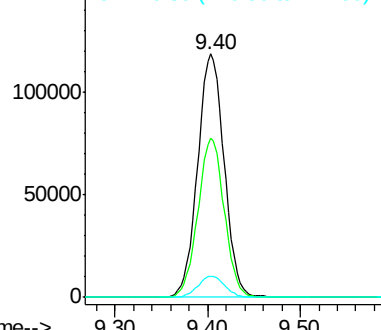
Tot Ion:	83	Resp:	235395
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.7	77.5
127	8.8	7.0	10.6

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Abundance Ion 82.90 (82.60 to 83.60): VN053314.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.214 ug/l

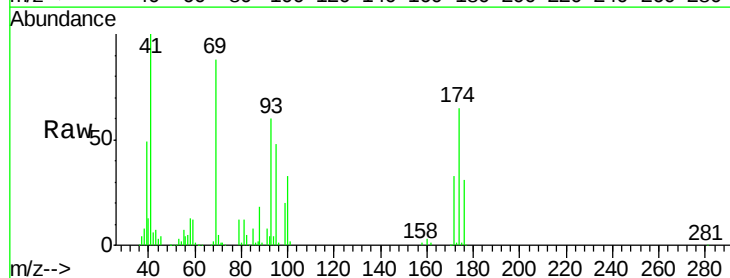
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

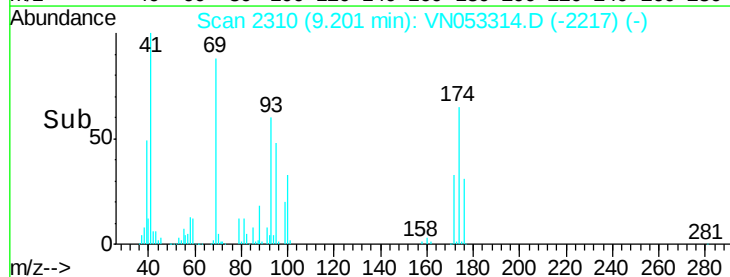
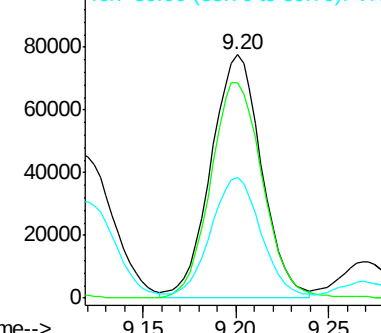
Lab File: VN053314.D

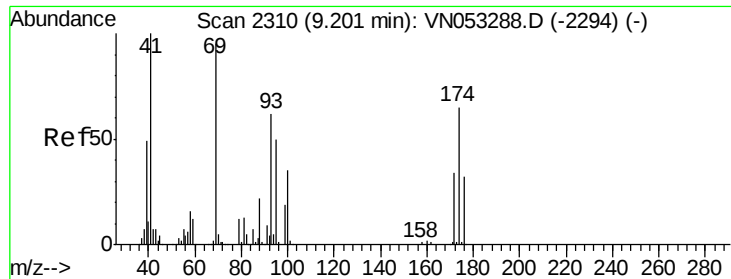
Acq: 8 Jan 2019 13:17

Tgt Ion:	41	Resp:	147343
Ion Ratio	Lower	Upper	
41	100		
69	91.5	73.5	110.3
39	49.7	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN053314.D (-2217) (-)





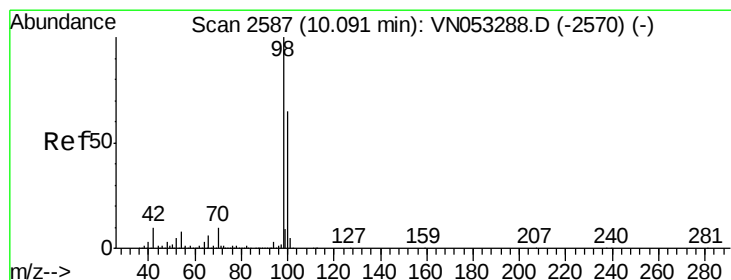
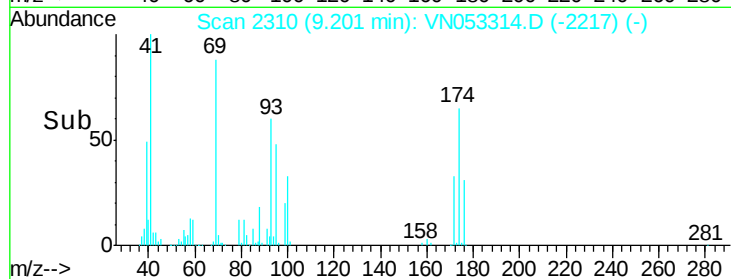
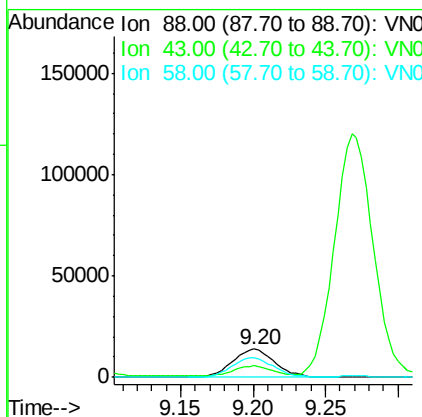
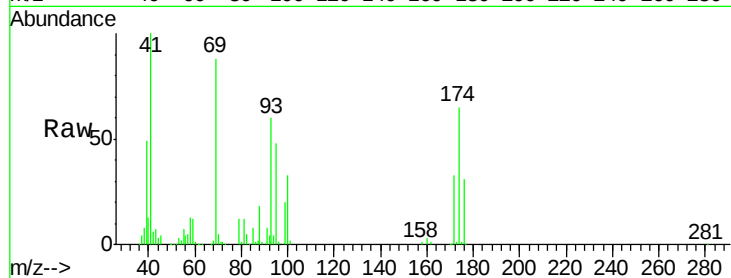
#49
1,4-Dioxane
Concen: 363.137 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.2	39.4
58	69.8	55.5	83.3

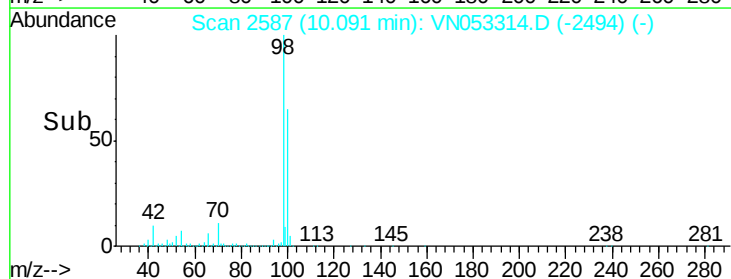
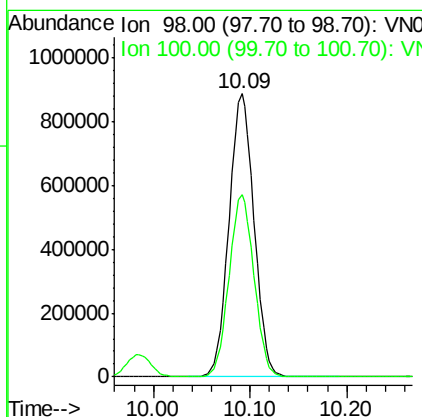
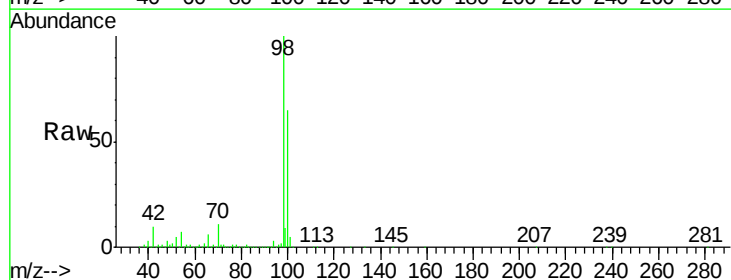
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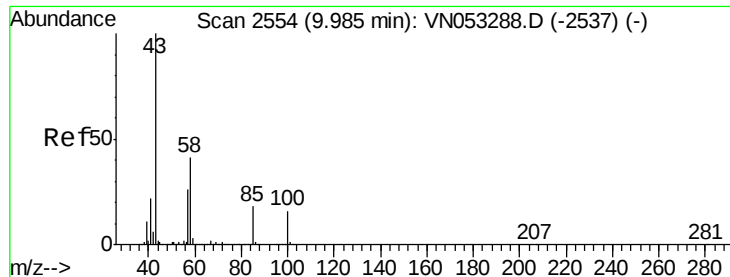
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#50
Toluene-d8
Concen: 363.137 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 100.252 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleID :

VN0108MBSD01

Tot Ion: 43 Resp: 808861

Ion Ratio Lower Upper

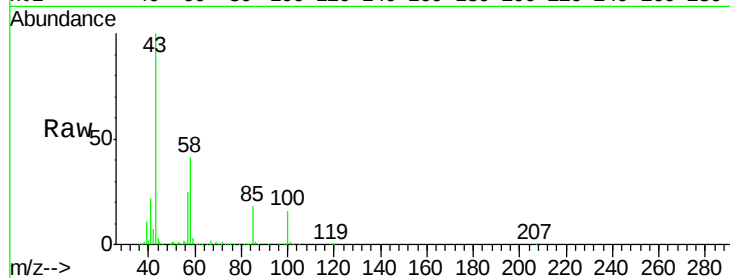
43 100

58 41.1 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-2537) (-)

9.99

400000

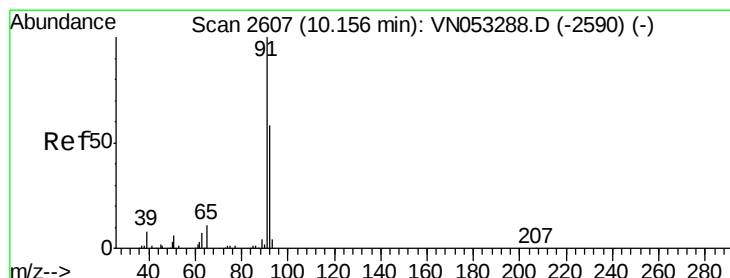
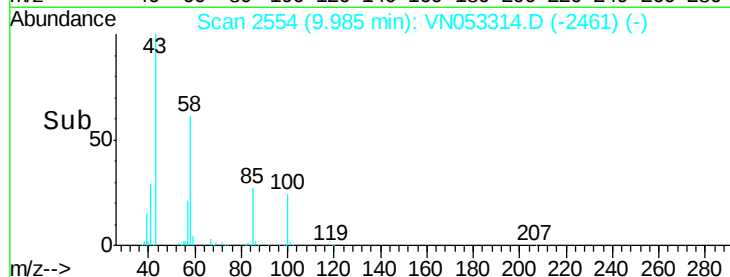
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.611 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053314.D

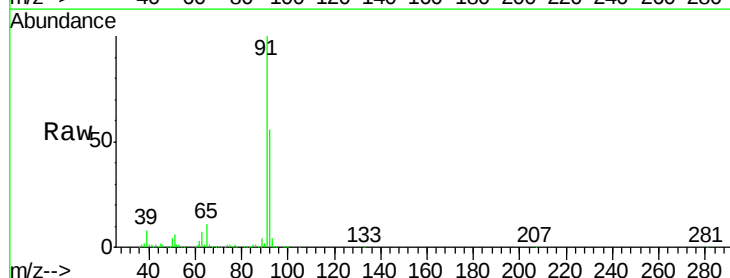
Acq: 8 Jan 2019 13:17

Tgt Ion: 92 Resp: 460163

Ion Ratio Lower Upper

92 100

91 176.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053288.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053288.D (-2590) (-)

10.16

400000

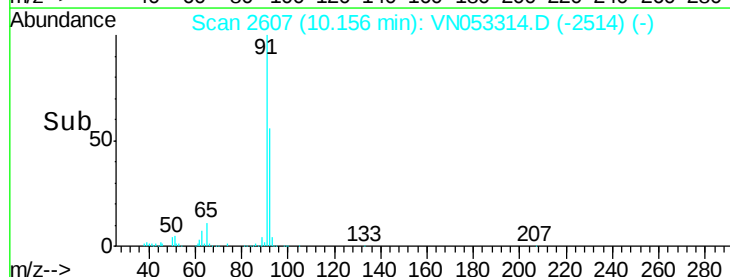
300000

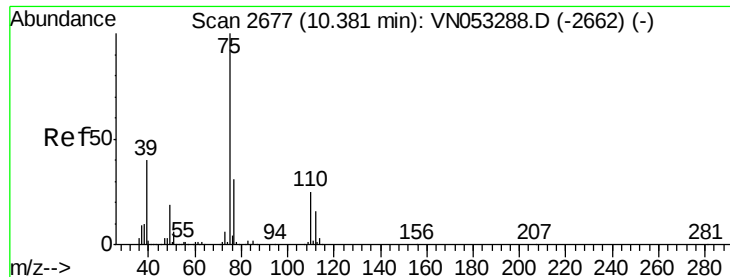
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.562 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion: 75 Resp: 243916

Ion Ratio Lower Upper

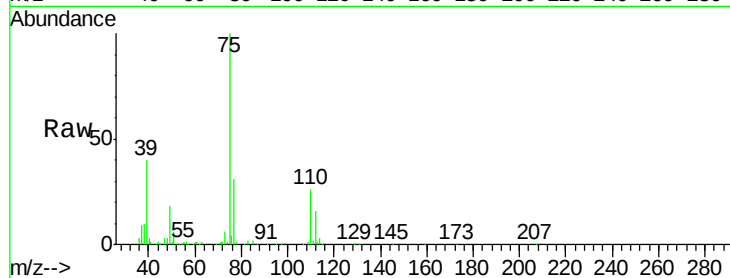
75 100

77 31.1 25.0 37.4

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

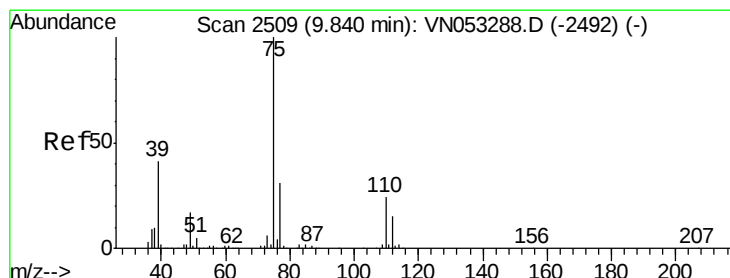
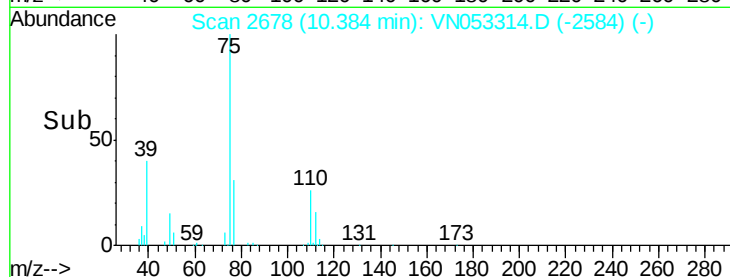
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.660 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

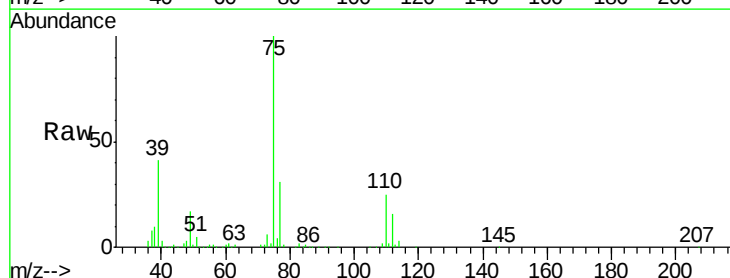
Tgt Ion: 75 Resp: 283274

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 41.1 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

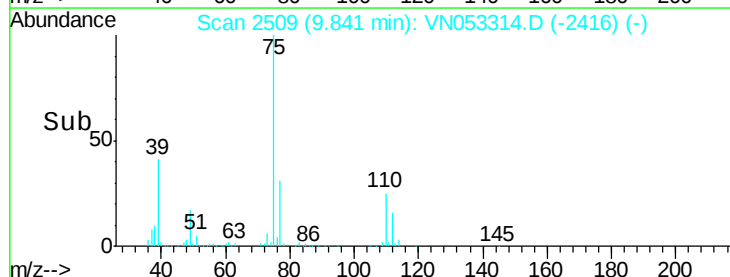
150000

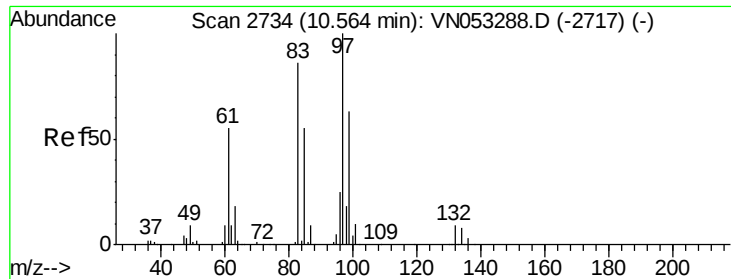
100000

50000

0

Time-->





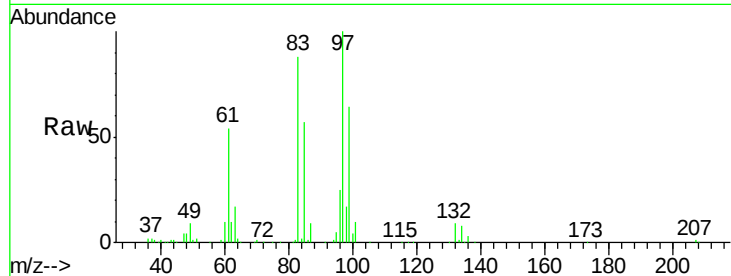
#55
 1,1,2-Trichloroethane
 Concen: 19.535 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0108MBSD01

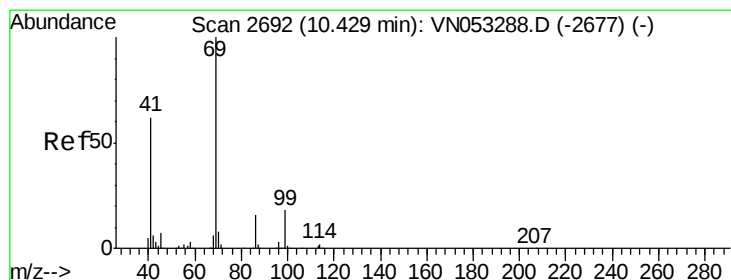
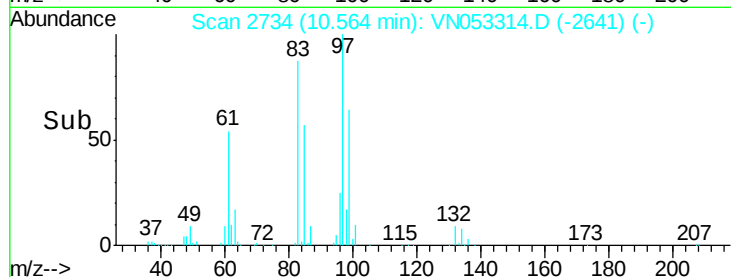
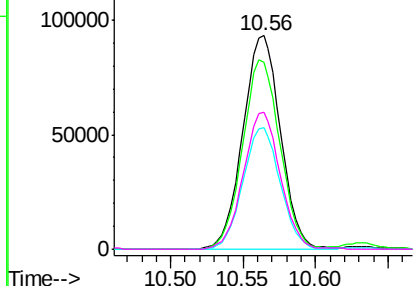
Tot Ion:	97	Resp:	168543
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.1	103.7
85	56.7	44.2	66.4
99	64.0	50.3	75.5

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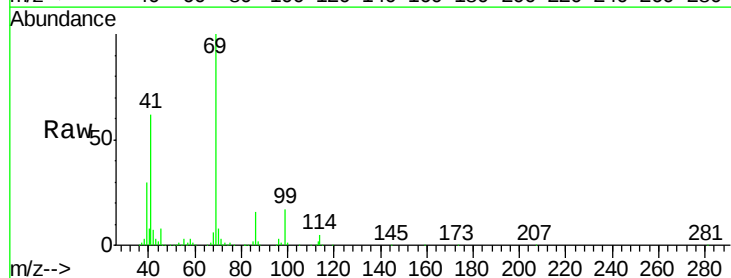


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

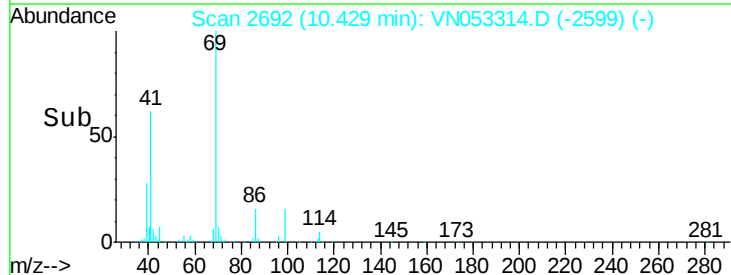
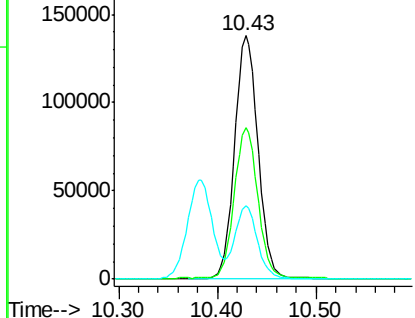


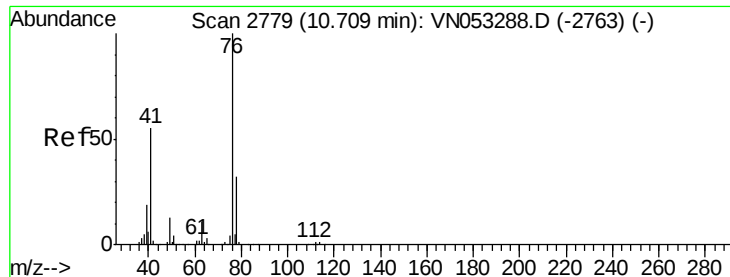
#56
 Ethyl methacrylate
 Concen: 20.379 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Tgt Ion:	69	Resp:	228488
Ion	Ratio	Lower	Upper
69	100		
41	61.4	49.2	73.8
39	29.3	23.4	35.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.979 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0108MBSD01

Tot Ion: 76 Resp: 288259

Ion Ratio Lower Upper

76 100

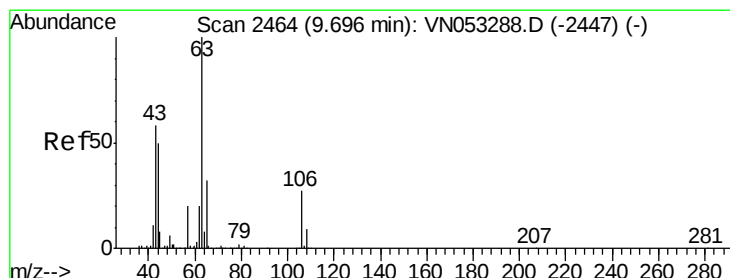
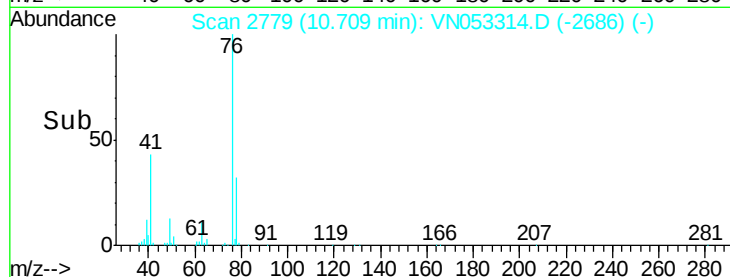
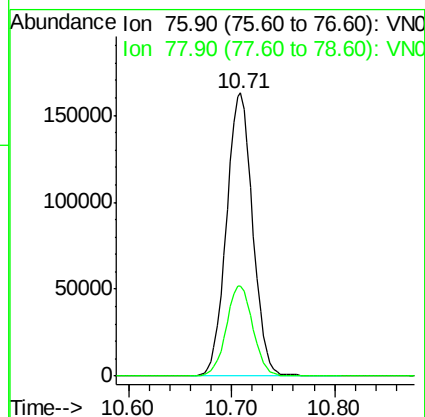
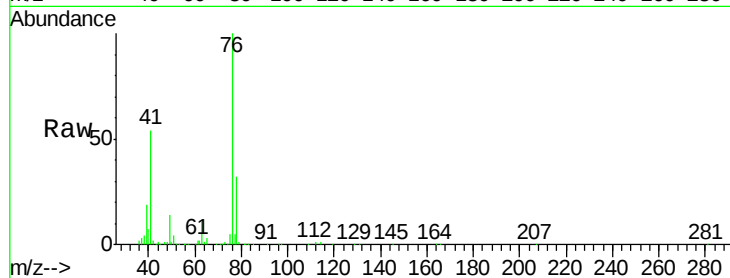
78 32.4 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 94.143 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053314.D

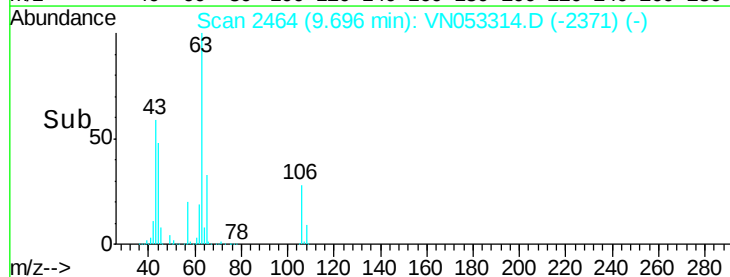
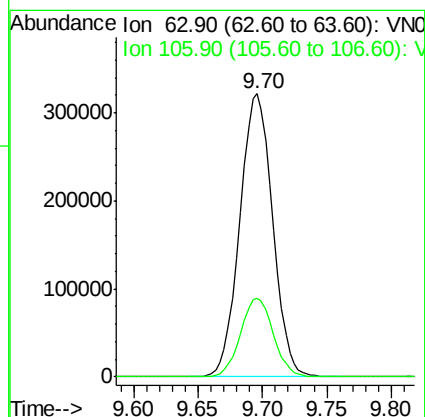
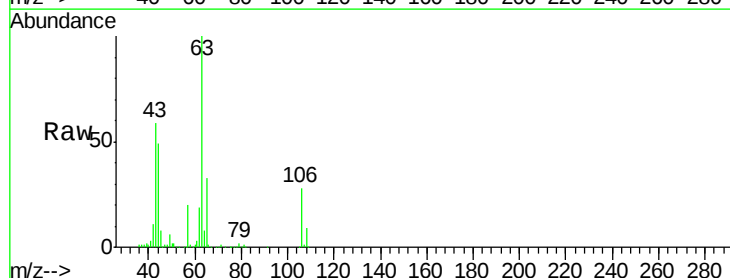
Acq: 8 Jan 2019 13:17

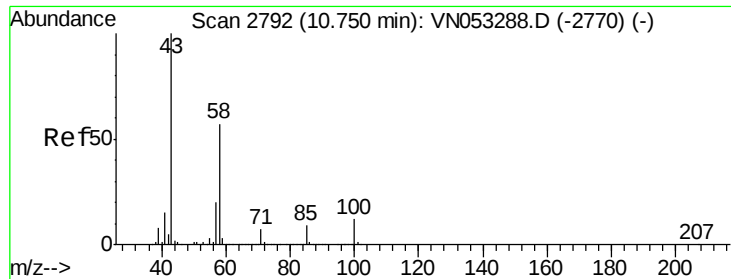
Tgt Ion: 63 Resp: 570633

Ion Ratio Lower Upper

63 100

106 27.6 21.7 32.5





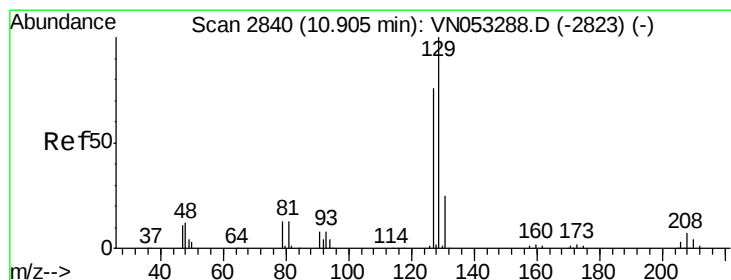
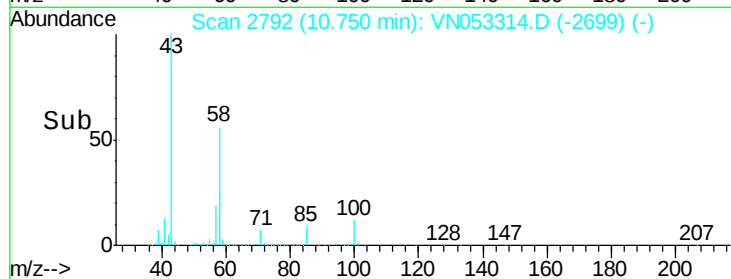
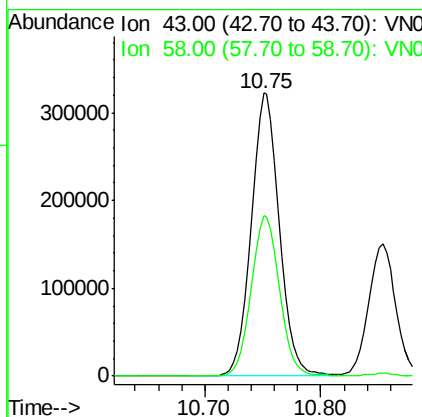
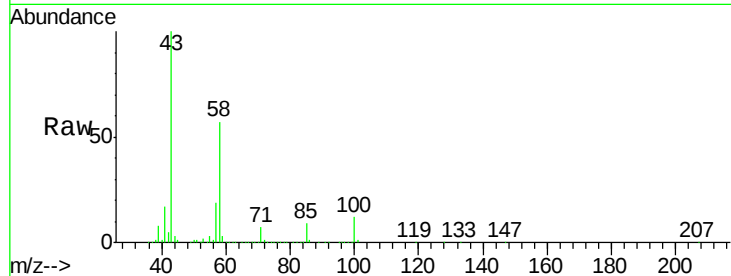
#59
2-Hexanone
Concen: 98.504 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0108MBSD01

Tot Ion: 43 Resp: 544537
Ion Ratio Lower Upper
43 100
58 57.6 28.3 85.0

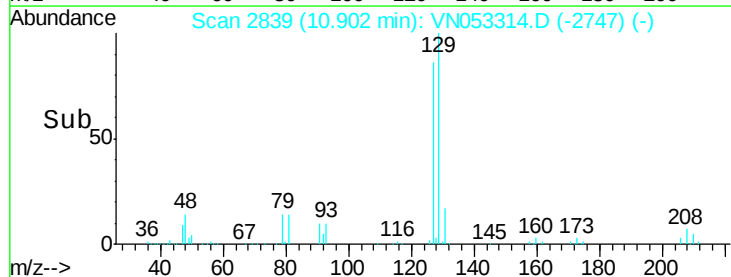
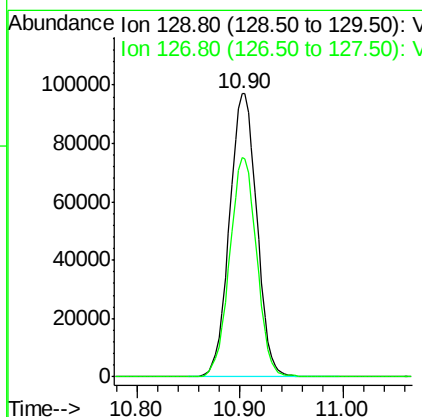
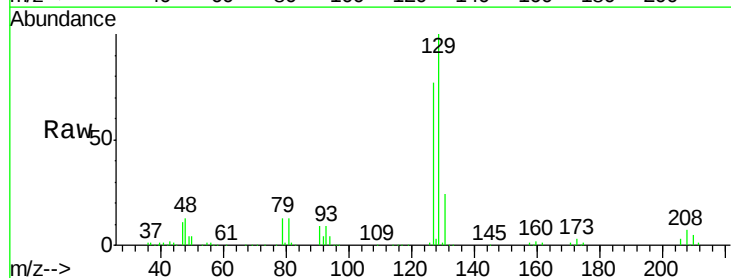
Manual Integrations
APPROVED

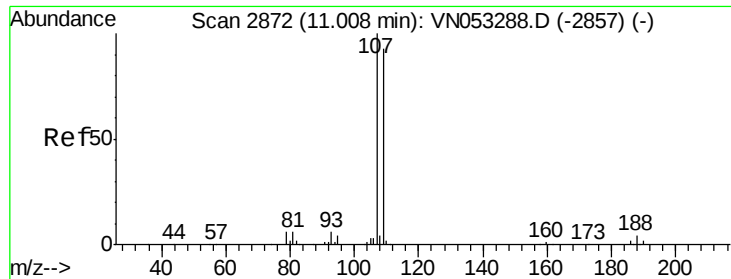
MMDadoda
1/9/2019 10:57:55 AM



#60
Dibromochloromethane
Concen: 19.304 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion: 129 Resp: 179635
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





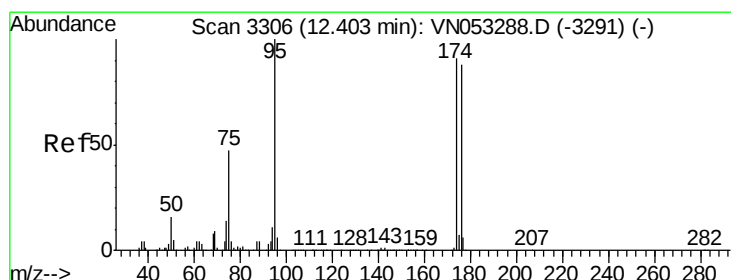
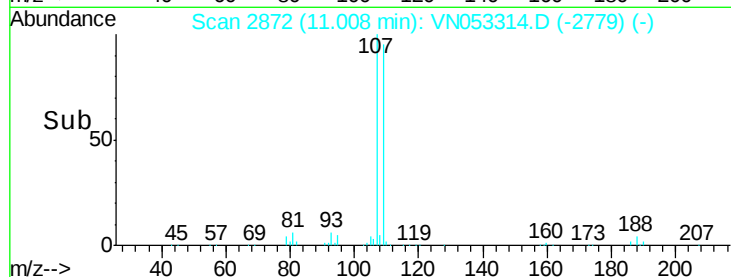
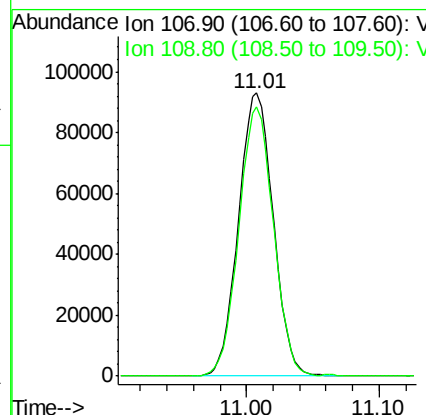
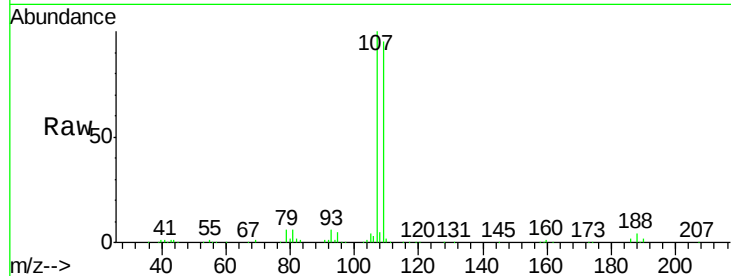
#61
 1,2-Dibromoethane
 Concen: 19.884 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0108MBSD01

Tot Ion: 107 Resp: 169293
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6

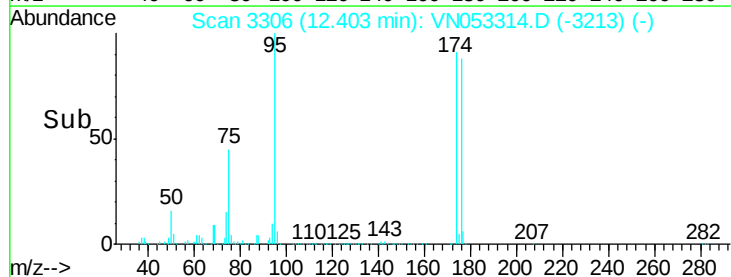
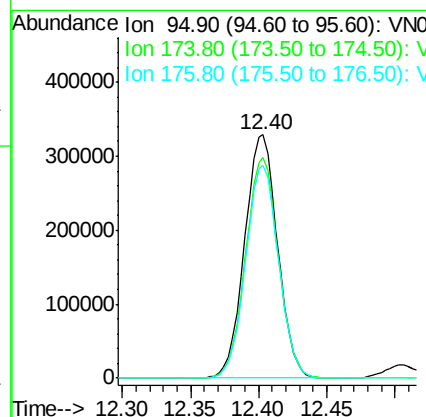
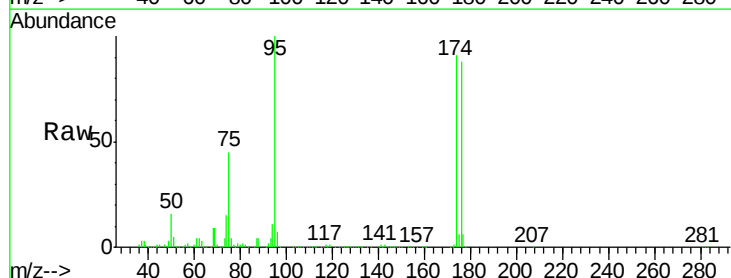
Manual Integrations
 APPROVED

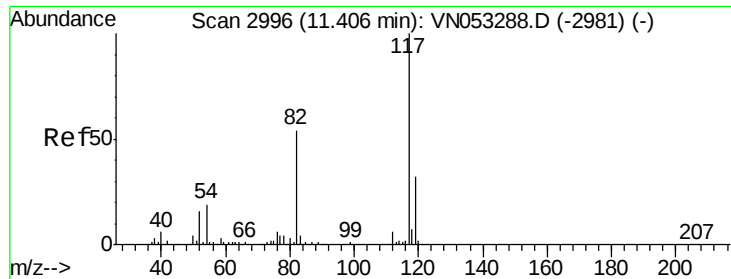
MMDadoda
 1/9/2019 10:57:55 AM



#62
 4-Bromofluorobenzene
 Concen: 19.884 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Tgt Ion: 95 Resp: 550199
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 180.4
 176 87.4 0.0 175.6





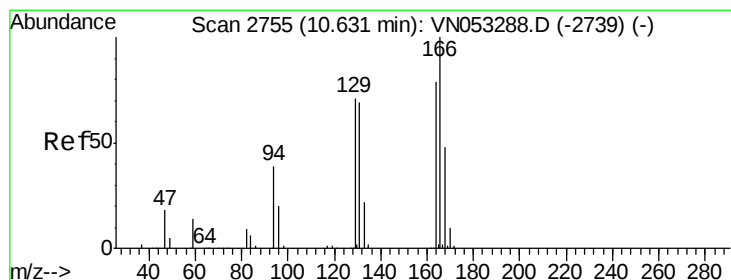
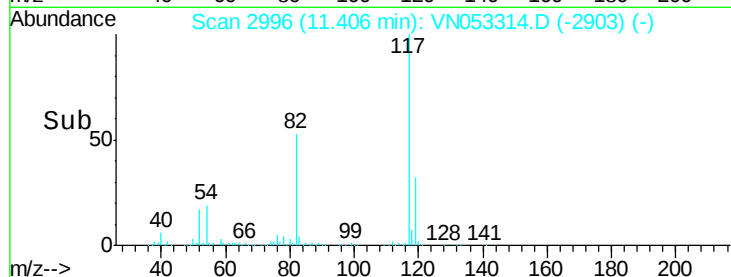
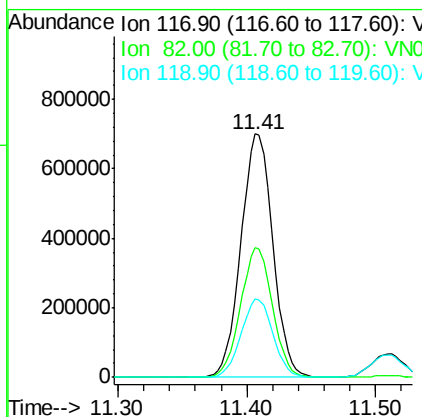
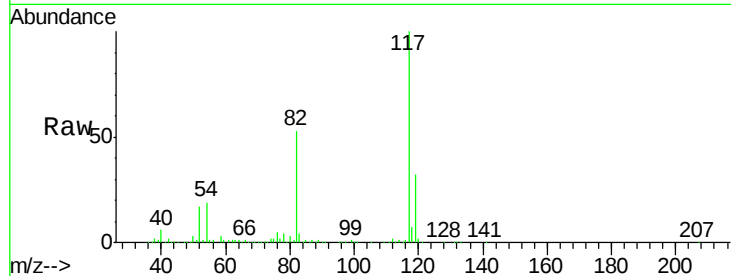
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.9	64.3
119	32.1	25.6	38.4

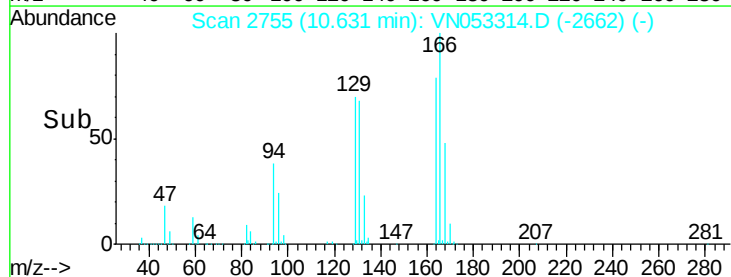
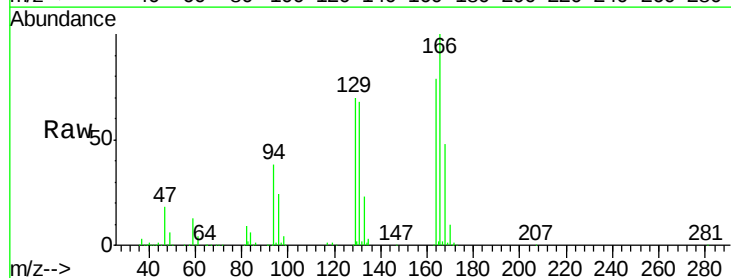
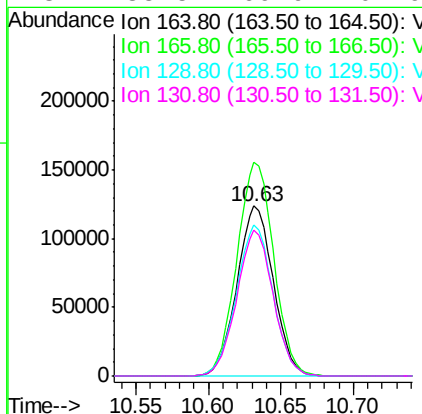
Manual Integrations
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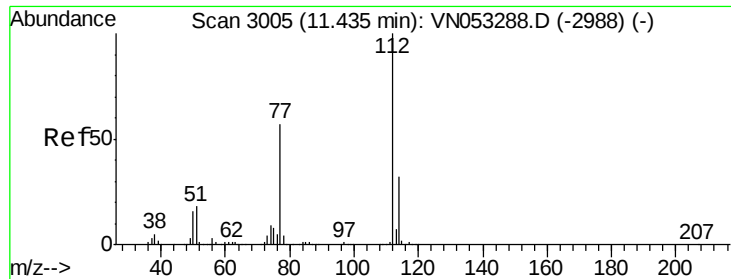
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#64
Tetrachloroethene
Concen: 18.997 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.7	152.5
129	88.7	72.1	108.1
131	85.5	69.9	104.9





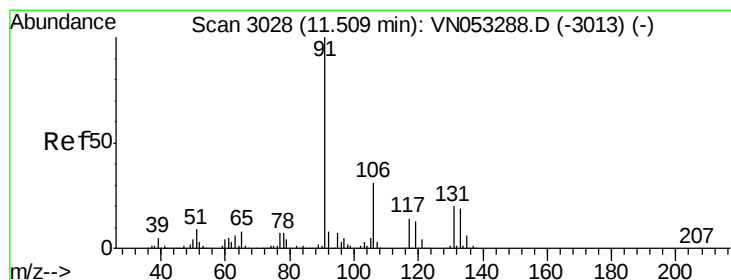
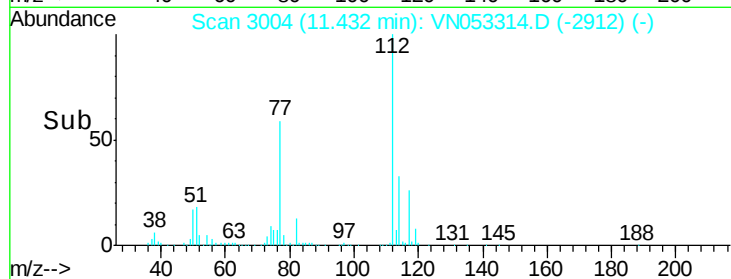
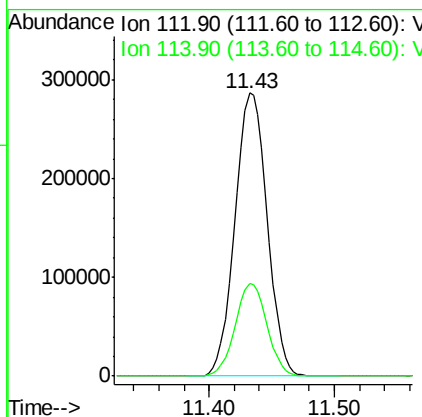
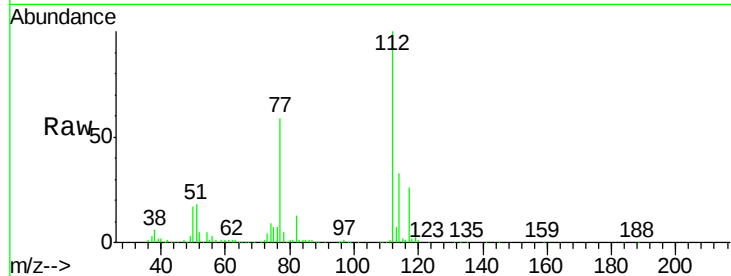
#65
Chlorobenzene
Concen: 19.494 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.6	38.4

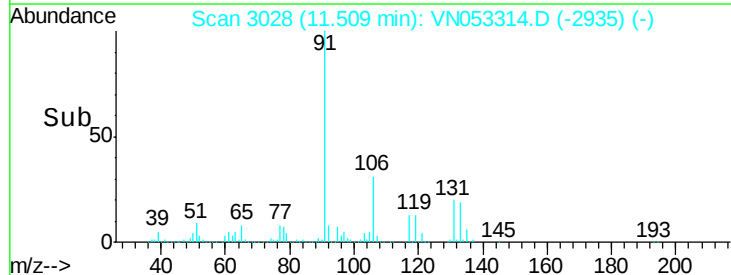
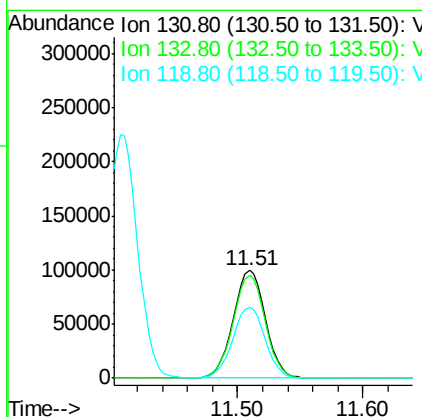
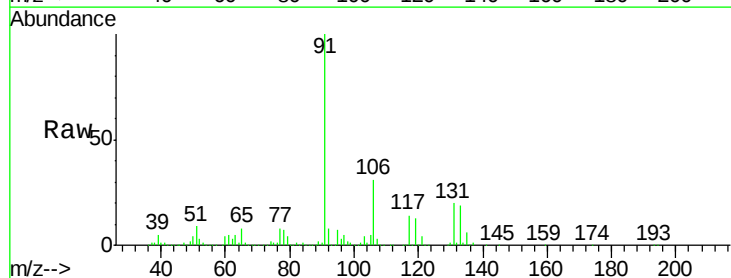
Manual Integrations
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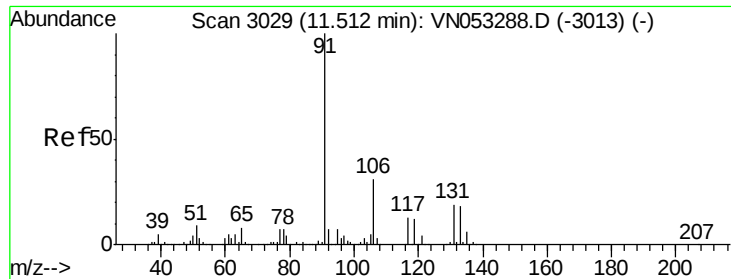
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.0	144.0
119	66.4	33.3	99.9





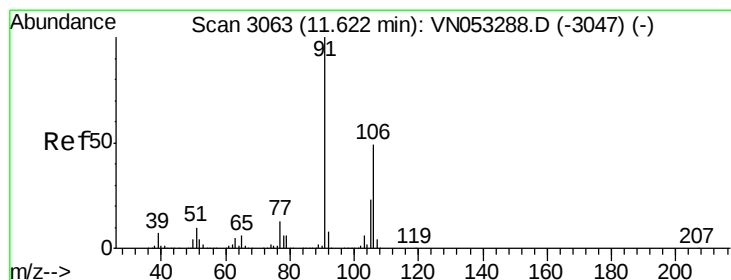
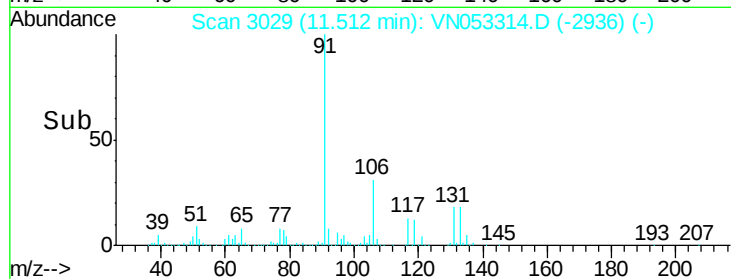
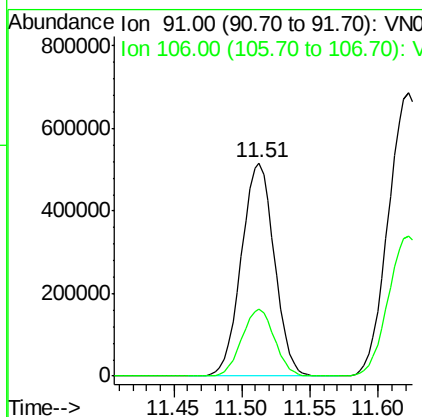
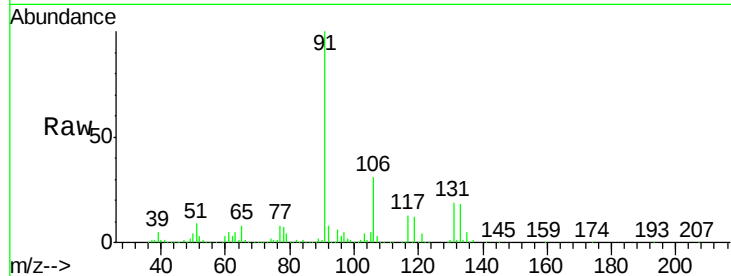
#67
Ethyl Benzene
Concen: 19.469 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0108MBSD01

Tot Ion: 91 Resp: 867128
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

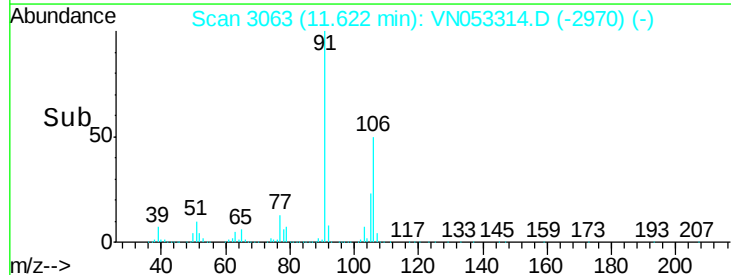
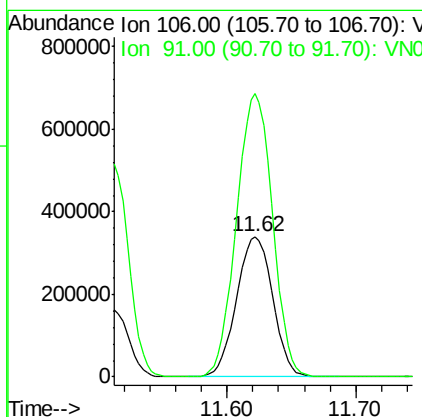
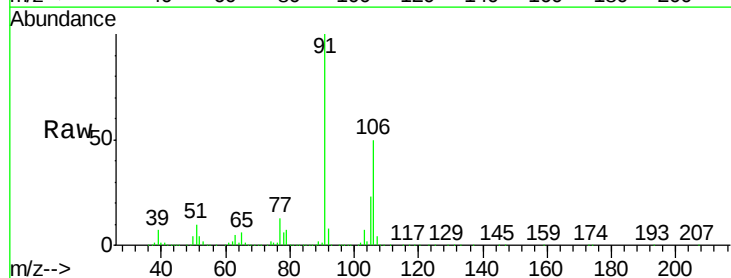
Manual Integrations
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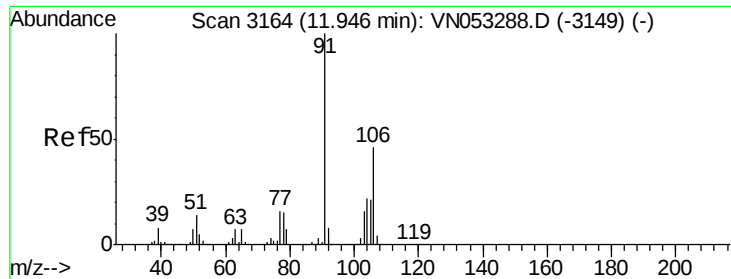
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#68
m/p-Xylenes
Concen: 39.509 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion: 106 Resp: 661688
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2





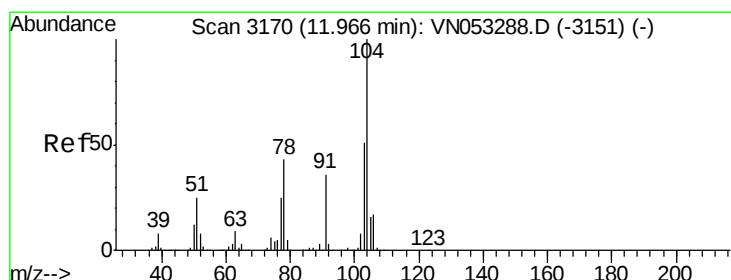
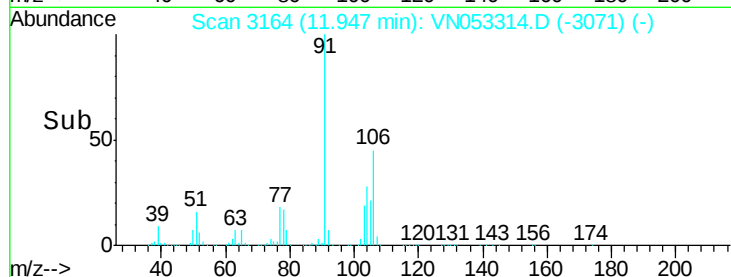
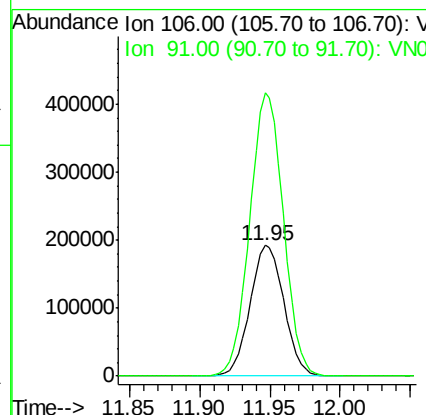
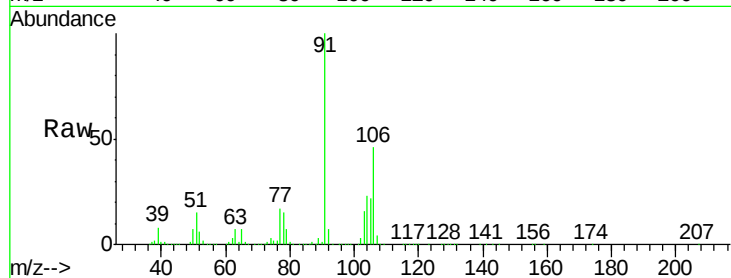
#69
o-Xylene
Concen: 19.800 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion:106 Resp: 324643
Ion Ratio Lower Upper
106 100
91 214.0 106.8 320.4

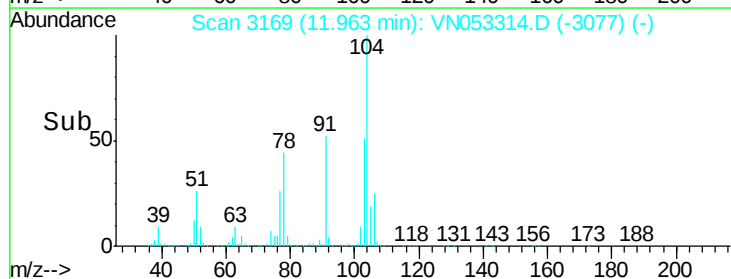
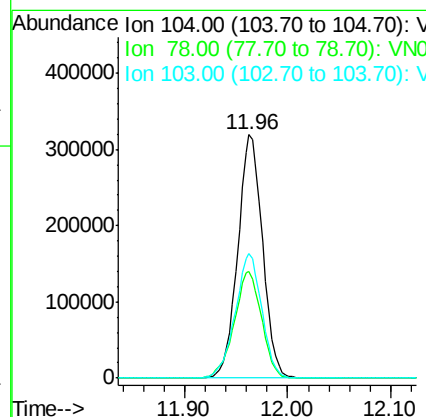
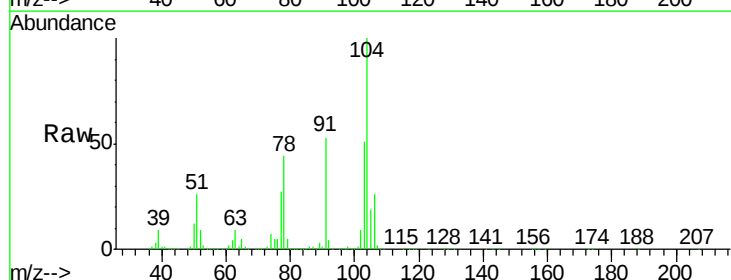
Manual Integrations
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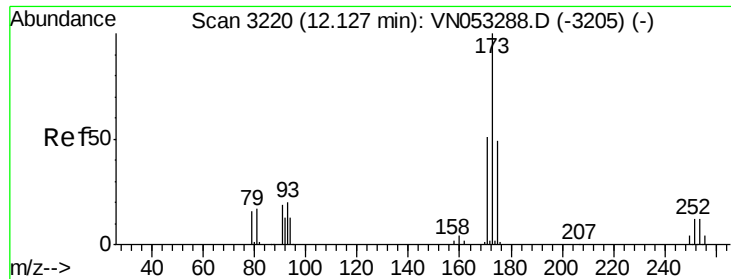
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#70
Styrene
Concen: 20.008 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion:104 Resp: 533914
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 54.9 44.5 66.7





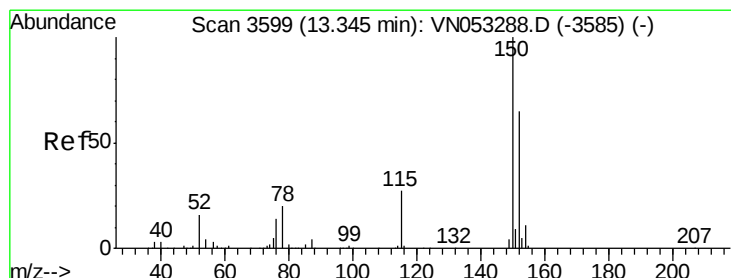
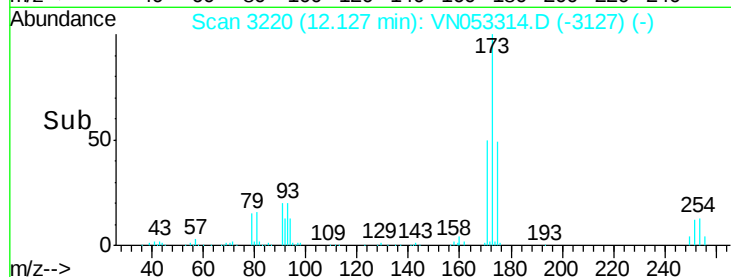
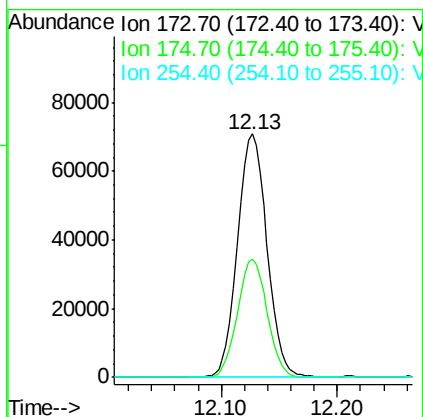
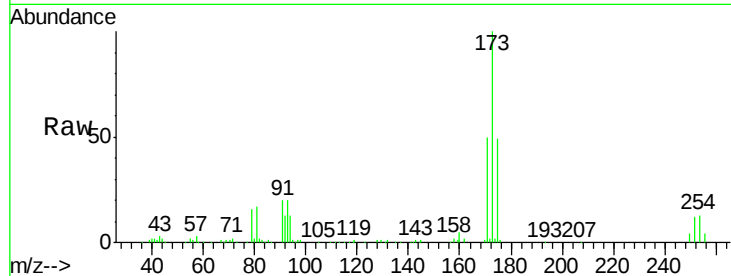
#71
Bromoform
Concen: 19.301 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.2	0.2

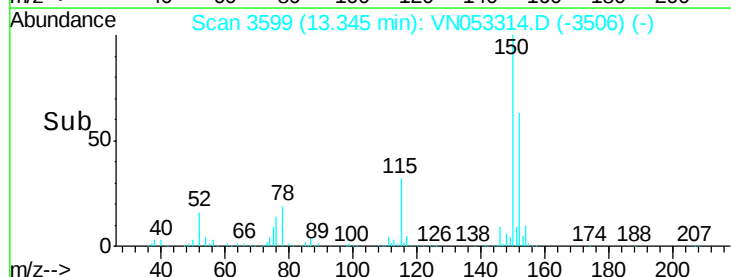
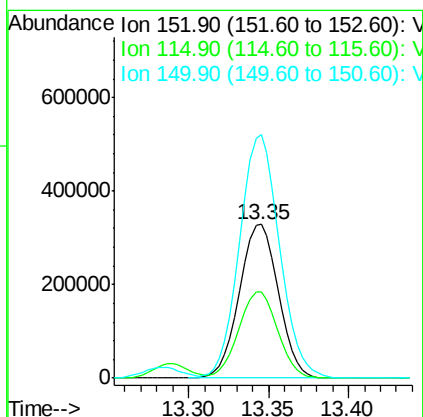
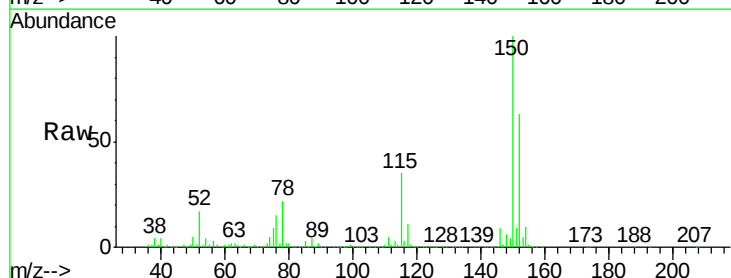
Manual Integrations
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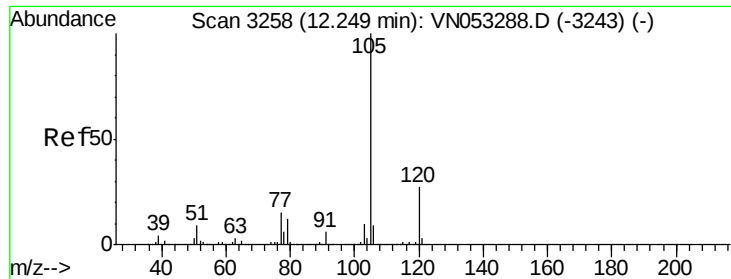
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1/9/2019 10:57:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.0	84.0
150	163.1	0.0	346.6





#73

Isopropylbenzene

Concen: 20.806 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBSD01

Tot Ion:105 Resp: 844241

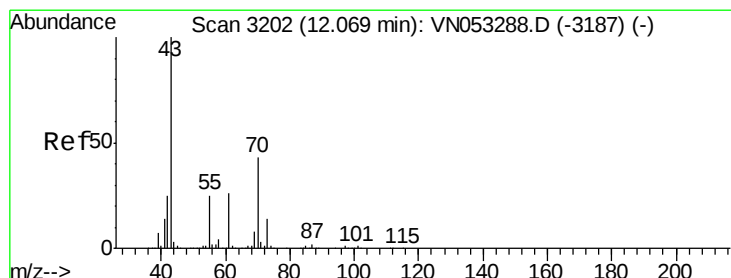
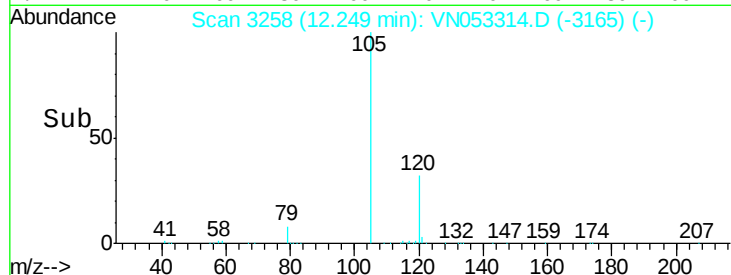
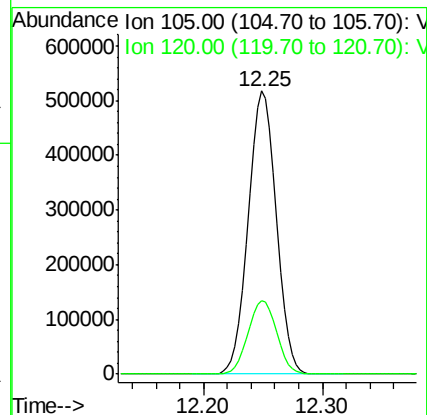
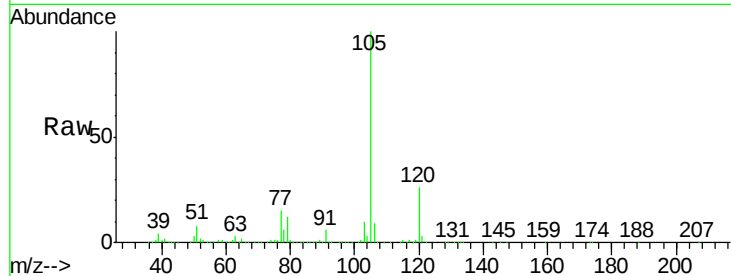
Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2

Manual Integrations
APPROVED

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1/9/2019 10:57:55 AM



#74

N-ethyl acetate

Concen: 21.369 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Tgt Ion: 43 Resp: 258926

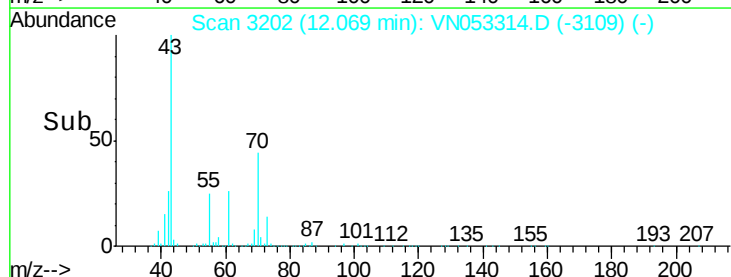
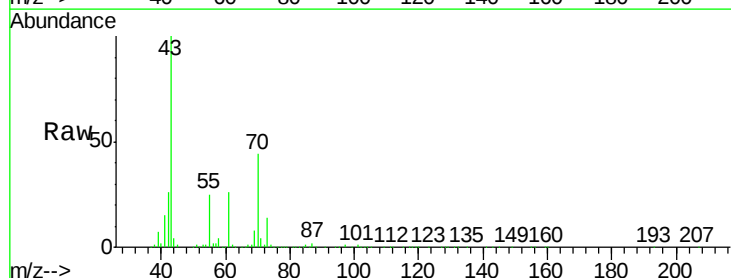
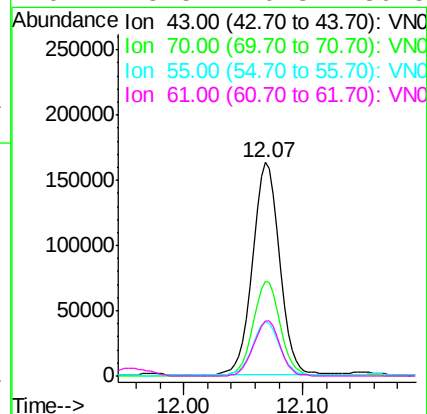
Ion Ratio Lower Upper

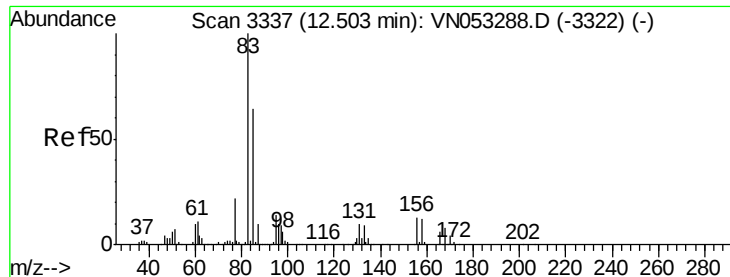
43 100

70 44.5 35.0 52.6

55 25.6 20.0 30.0

61 25.5 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.145 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

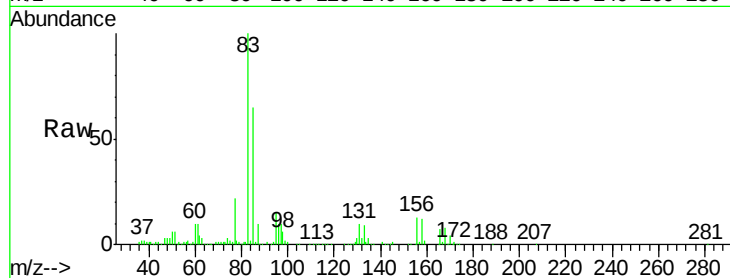
ClientSampleId :

VN0108MBS01

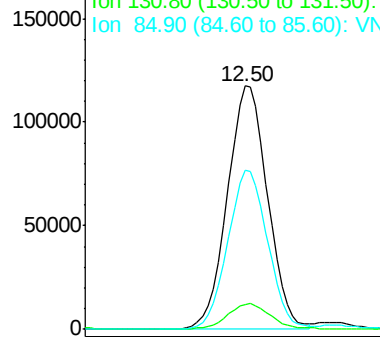
Tot Ion:	83	Resp:	197370
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	65.5	32.3	96.8

Manual Integrations
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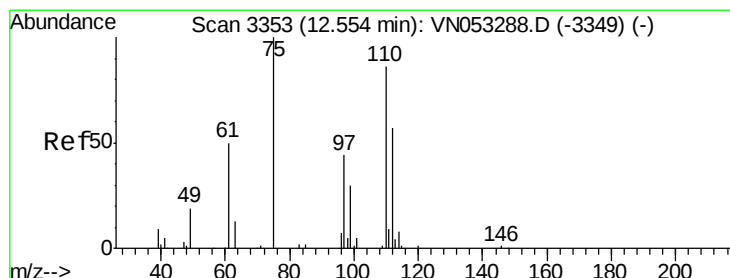
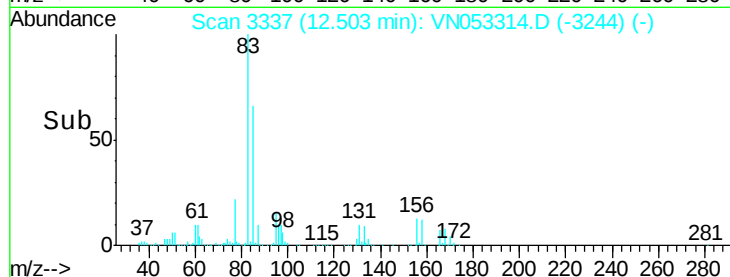
MMDadoda
1/9/2019 10:57:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VN053314.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.880 ug/l m

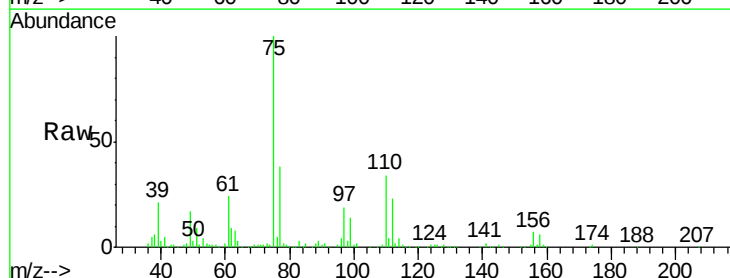
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

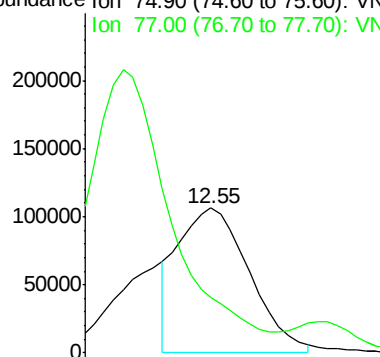
Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

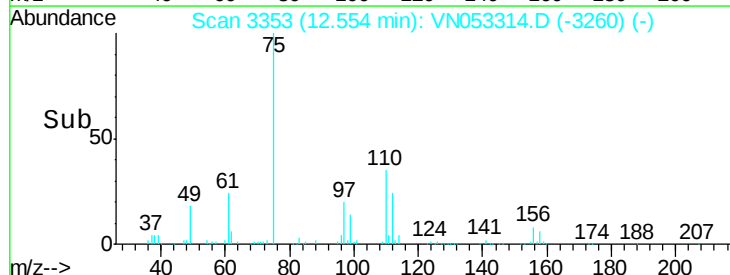
Tgt Ion:	75	Resp:	173933
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

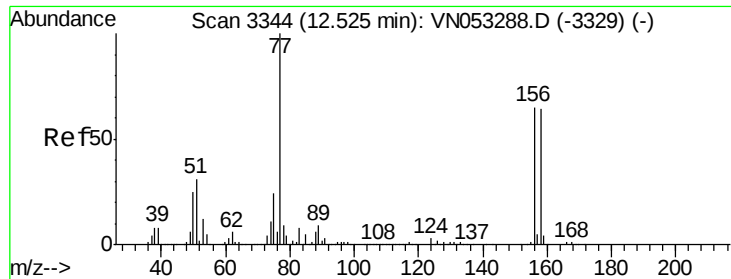


Abundance Ion 74.90 (74.60 to 75.60): VN053314.D (-3260) (-)



Time-->





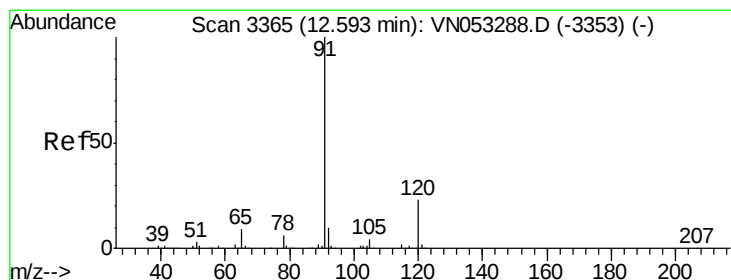
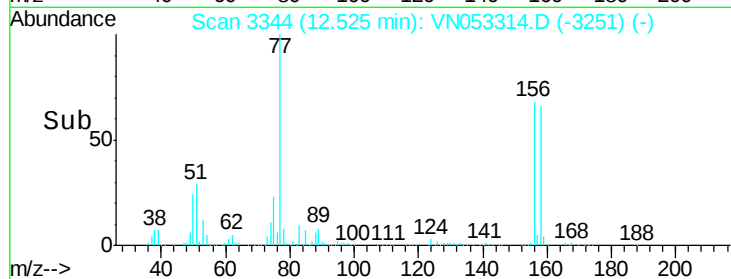
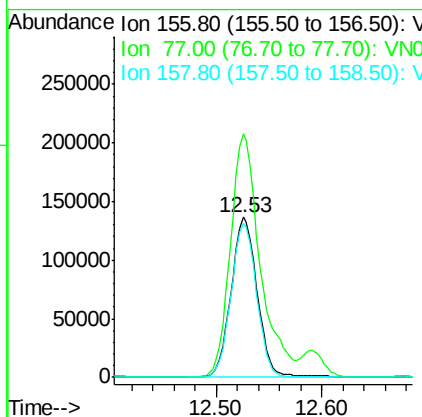
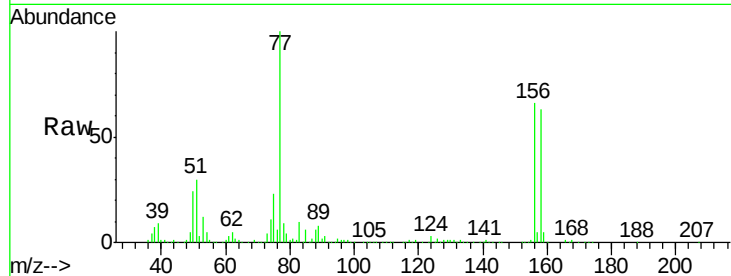
#77
Bromobenzene
Concen: 21.436 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.1	89.3	268.1
158	94.6	48.9	146.8

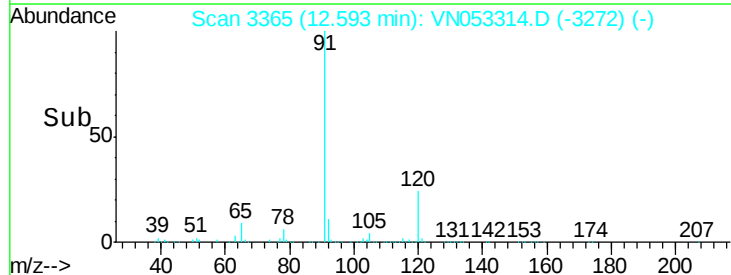
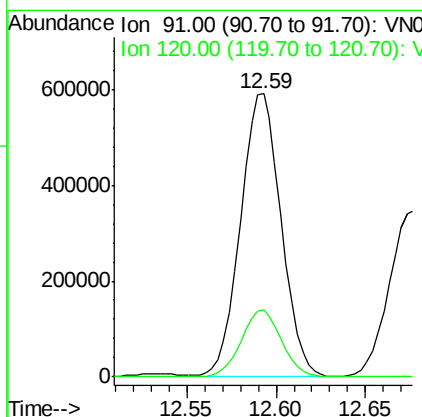
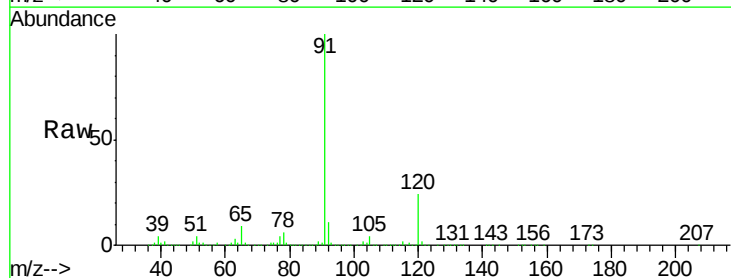
Manual Integrations
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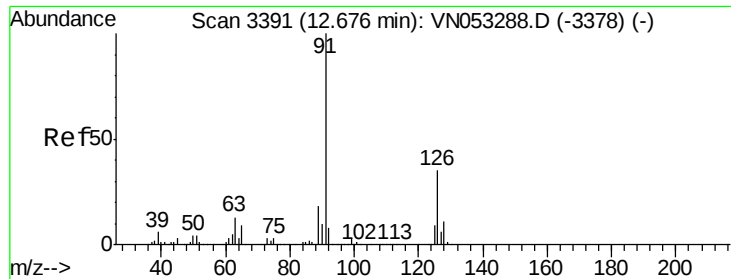
MMDadoda
1/9/2019 10:57:55 AM



#78
n-propylbenzene
Concen: 20.366 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.511 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0108MBSD01

Tot Ion: 91 Resp: 569649

Ion Ratio Lower Upper

91 100

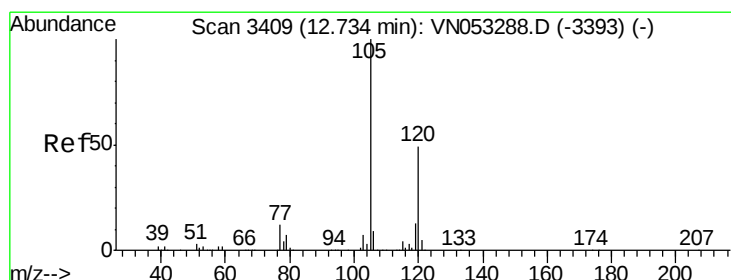
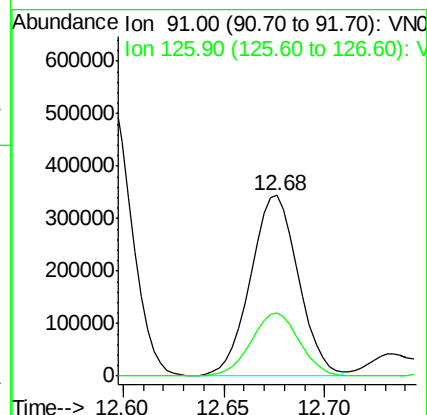
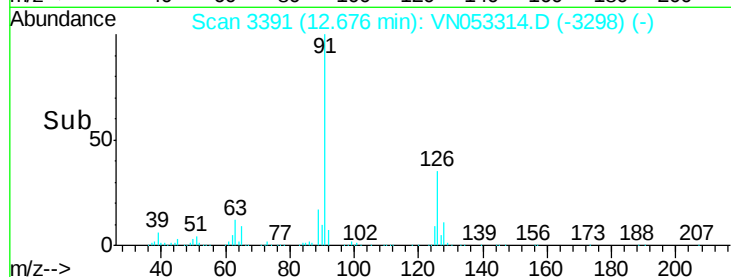
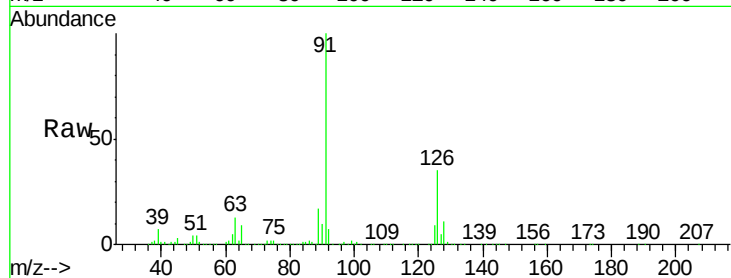
126 35.4 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.461 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053314.D

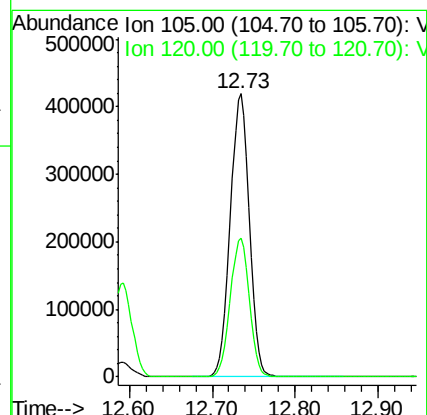
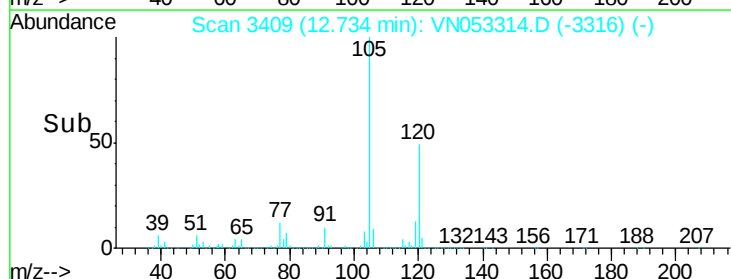
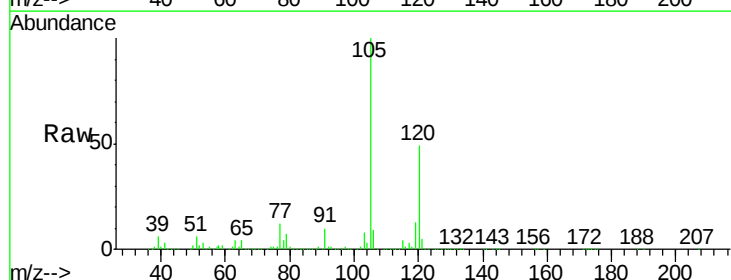
Acq: 8 Jan 2019 13:17

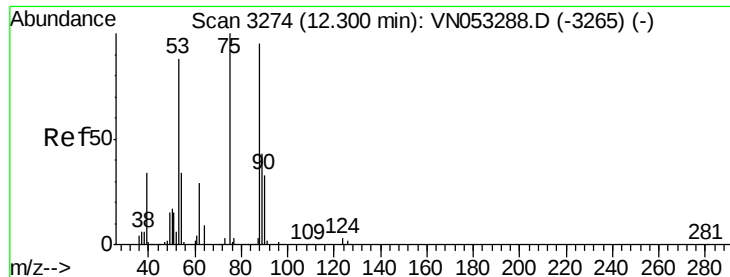
Tgt Ion: 105 Resp: 668785

Ion Ratio Lower Upper

105 100

120 48.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.280 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBSD01

Tot Ion: 75 Resp: 54793

Ion Ratio Lower Upper

75 100

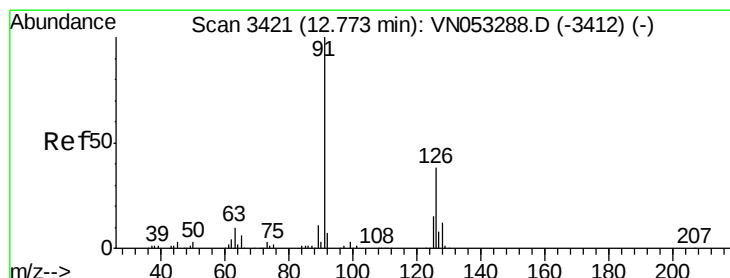
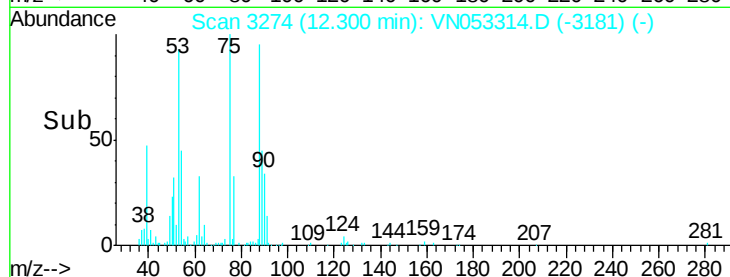
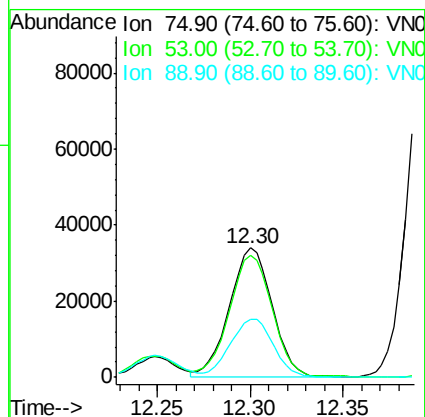
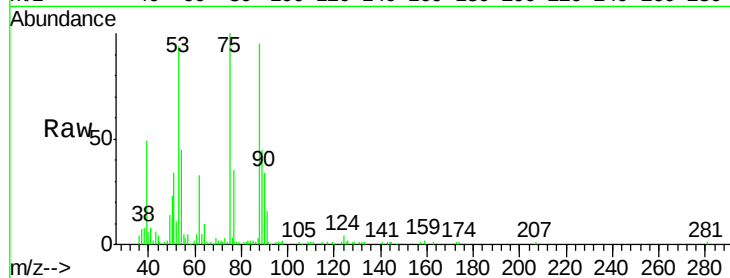
53 92.8 70.5 105.7

89 45.1 35.4 53.0

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#82

4-Chlorotoluene

Concen: 20.411 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053314.D

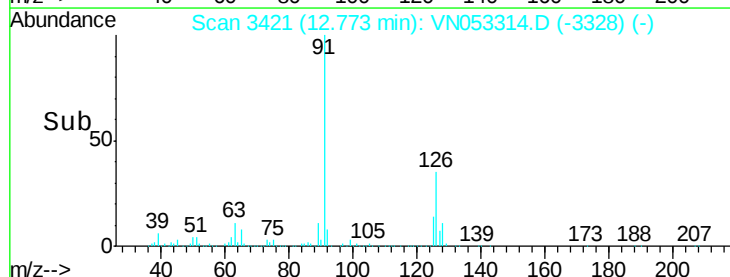
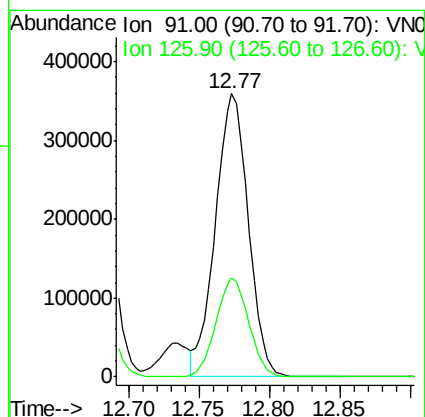
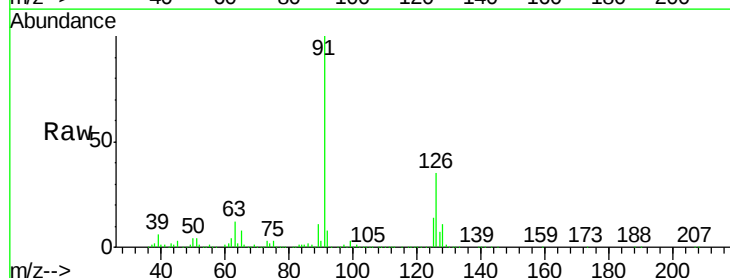
Acq: 8 Jan 2019 13:17

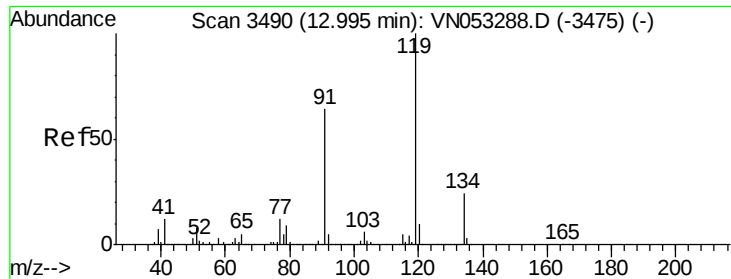
Tgt Ion: 91 Resp: 581276

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.2





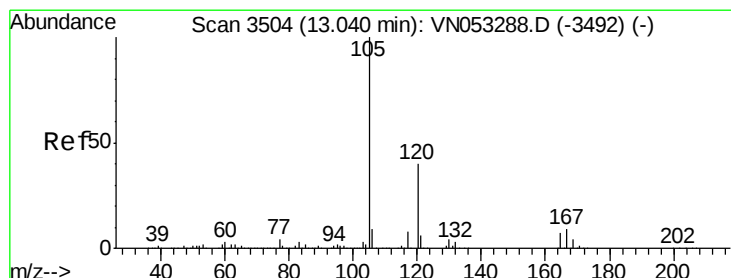
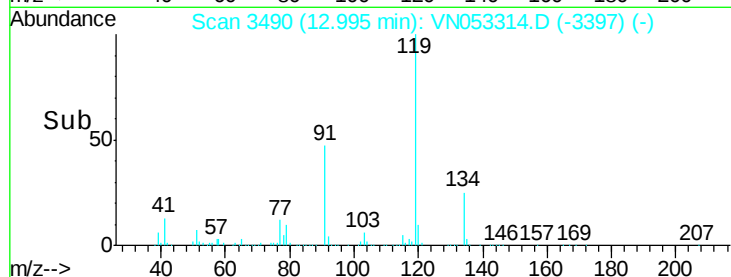
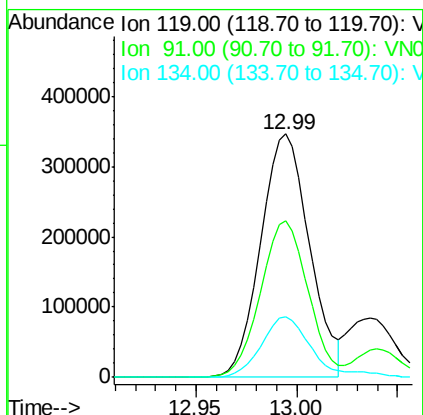
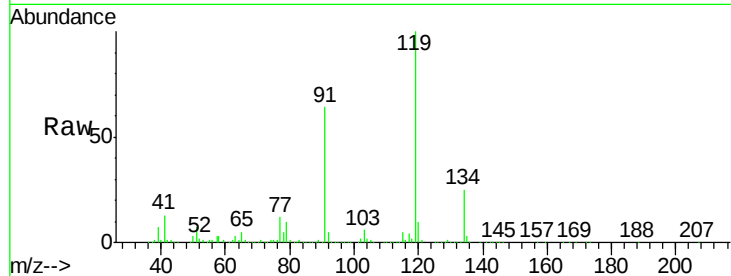
#83
tert-Butylbenzene
Concen: 20.377 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	584352		
91	62.5		31.6	95.0
134	25.8		12.9	38.6

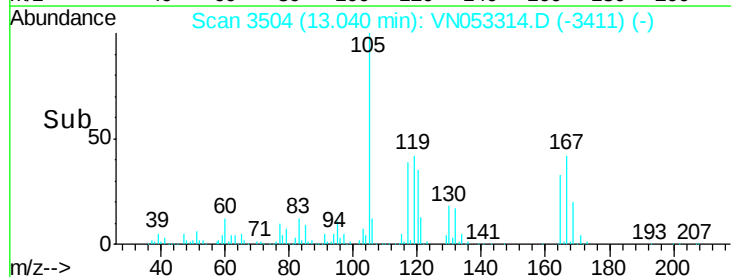
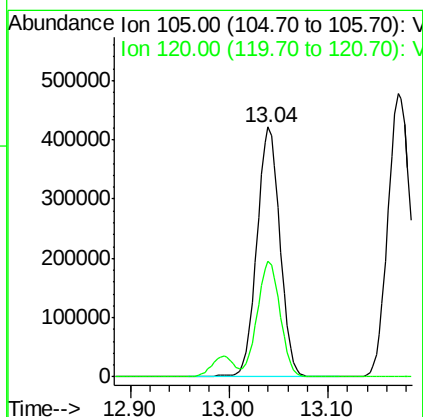
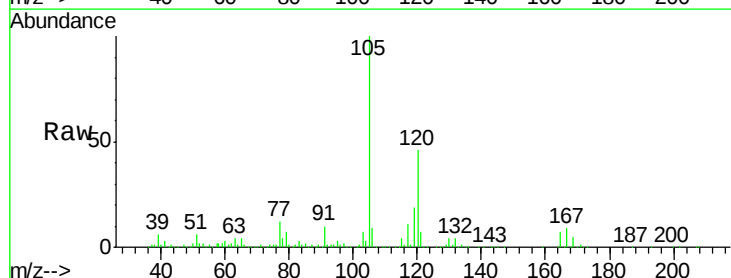
Manual Integrations
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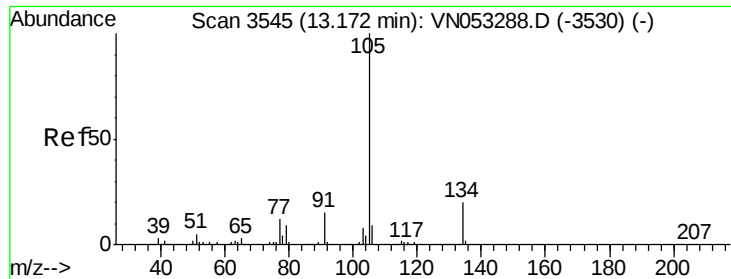
MMDadoda
1/9/2019 10:57:55 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.317 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	676537		
120	46.0		23.0	69.0





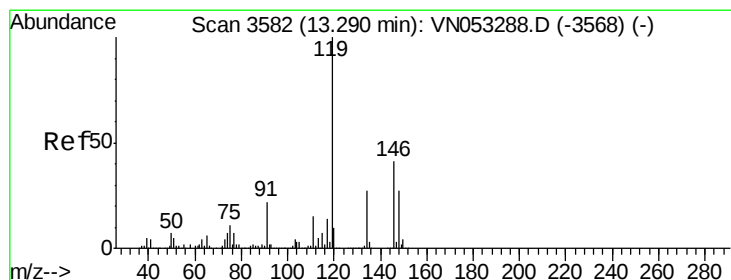
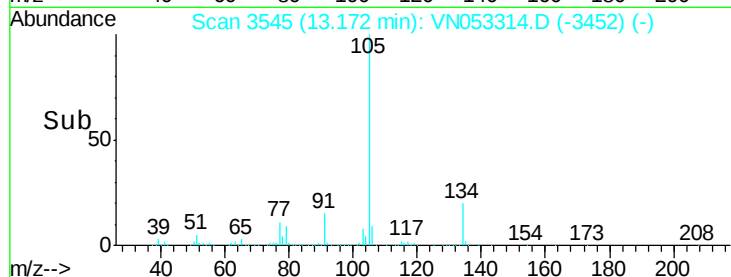
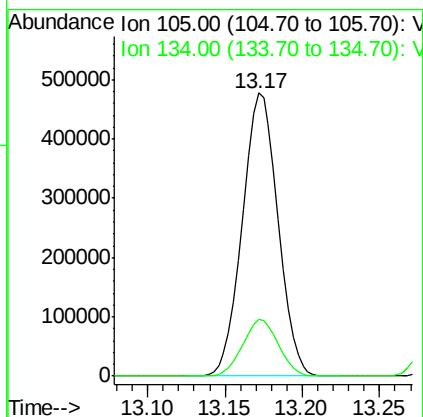
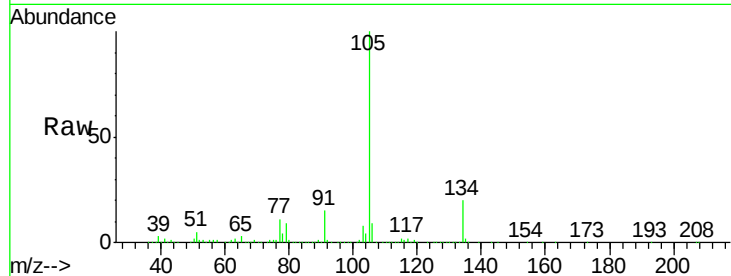
#85
 sec-Butylbenzene
 Concen: 20.236 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.6

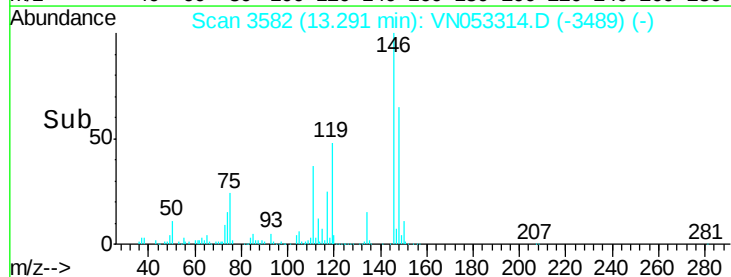
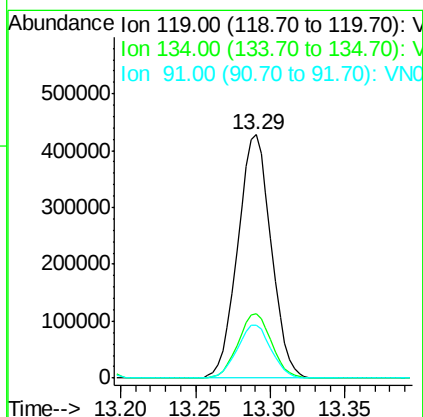
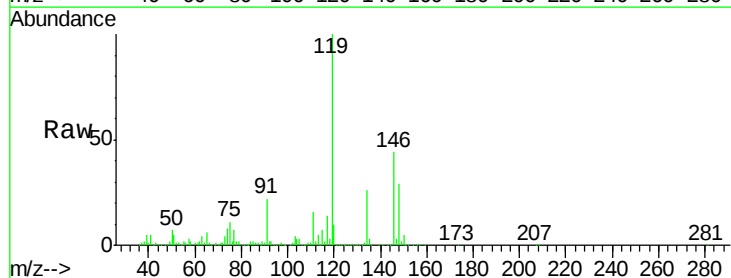
Manual Integrations
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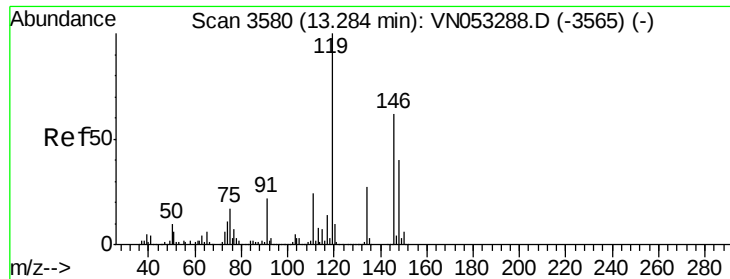
MMDadoda
 1/9/2019 10:57:55 AM



#86
 p-Isopropyltoluene
 Concen: 20.225 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.1
91	21.9	11.1	33.1





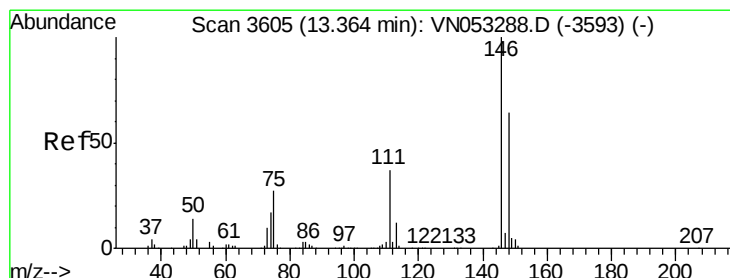
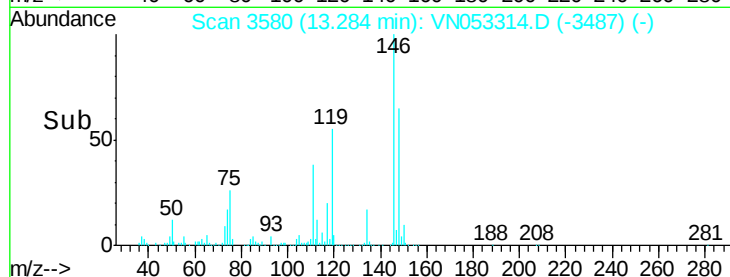
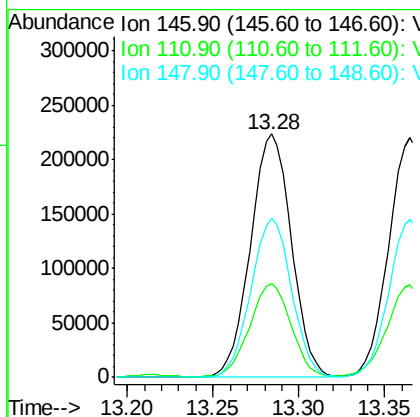
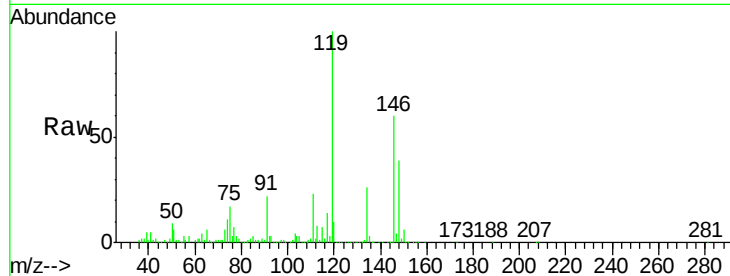
#87
 1,3-Dichlorobenzene
 Concen: 19.342 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.8	32.0	96.2

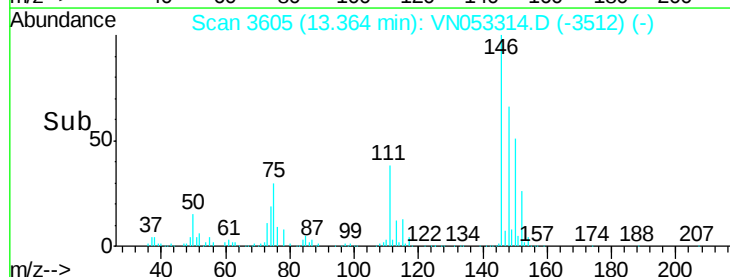
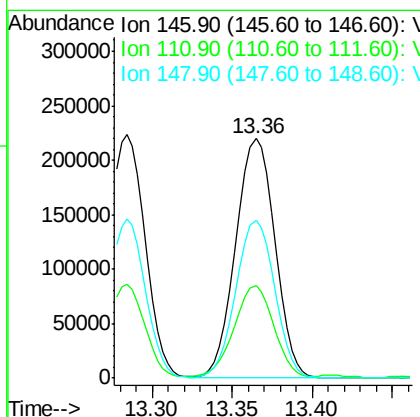
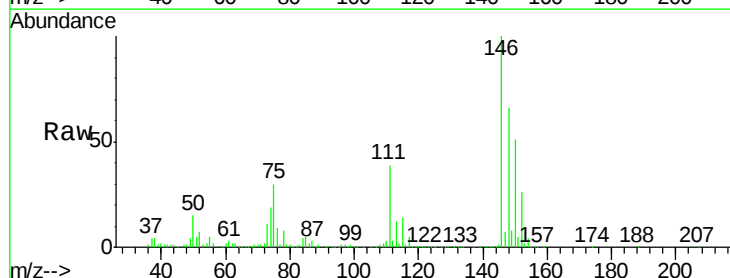
Manual Integrations
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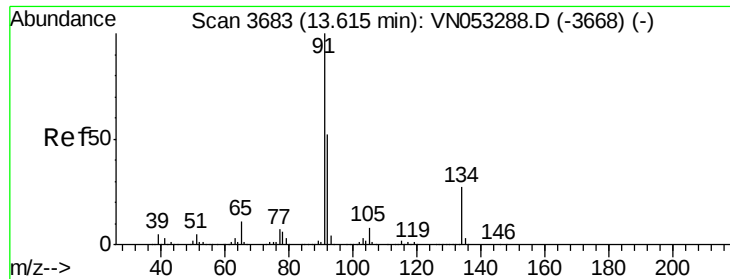
MMDadoda
 1/9/2019 10:57:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.436 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	65.3	32.0	96.0





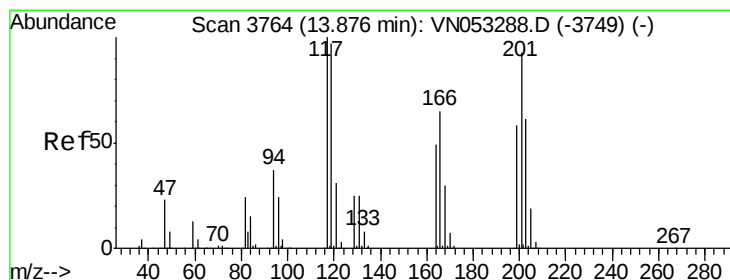
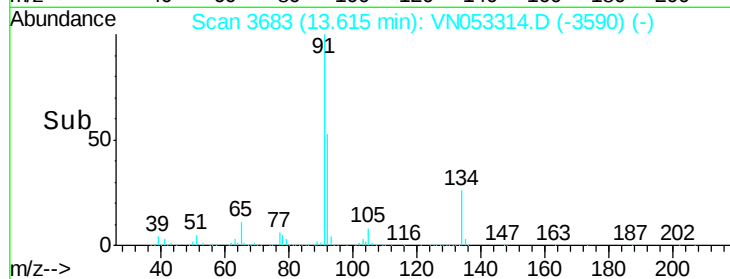
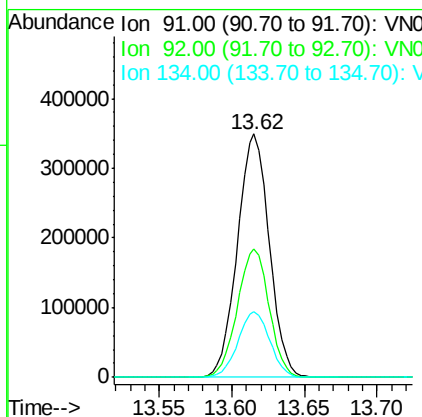
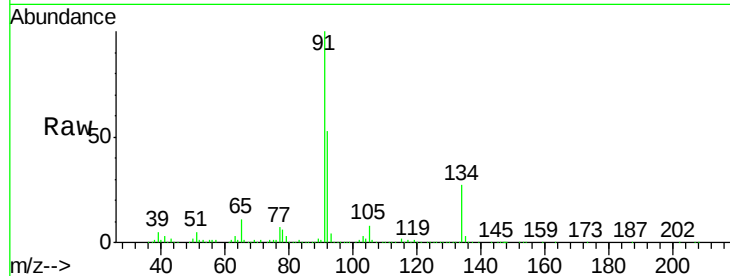
#89
n-Butylbenzene
Concen: 19.426 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	26.9	13.5	40.5

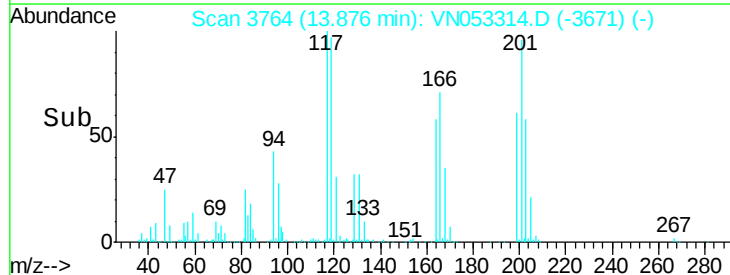
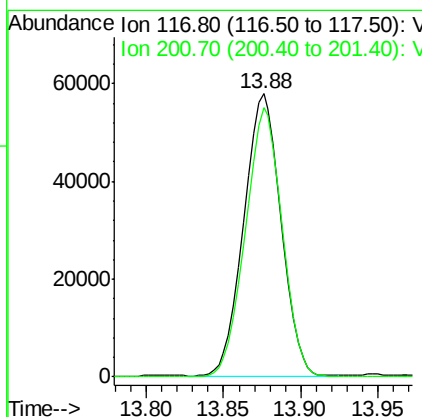
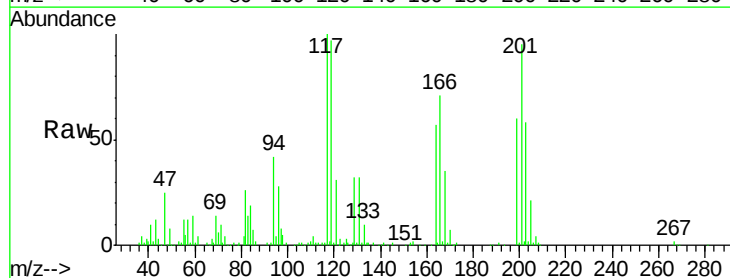
Manual Integrations
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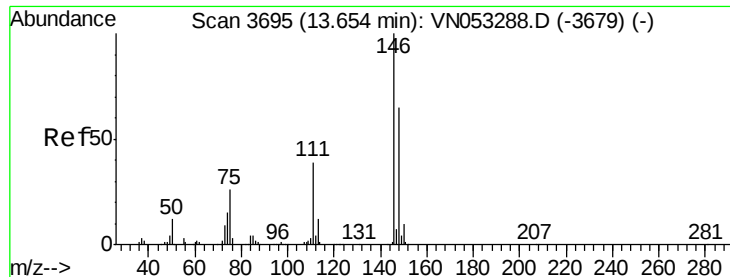
MMDadoda
1/9/2019 10:57:55 AM



#90
Hexachloroethane
Concen: 18.420 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053314.D
Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	46.1	138.3





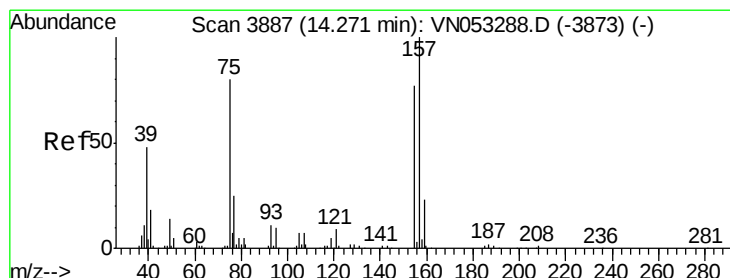
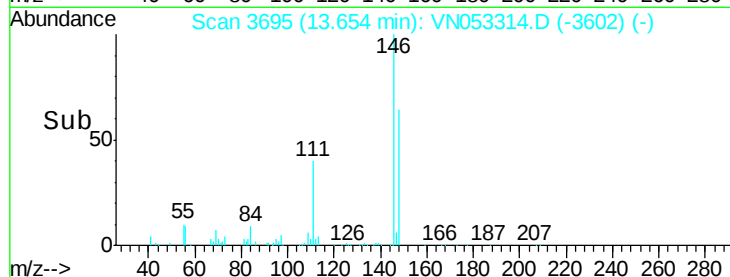
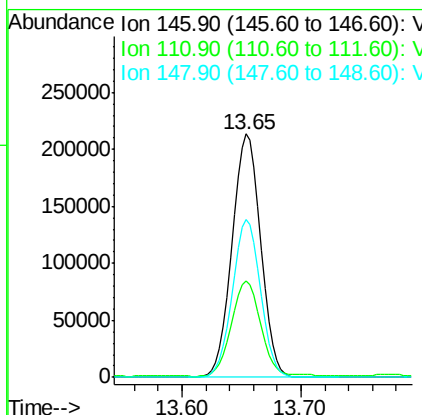
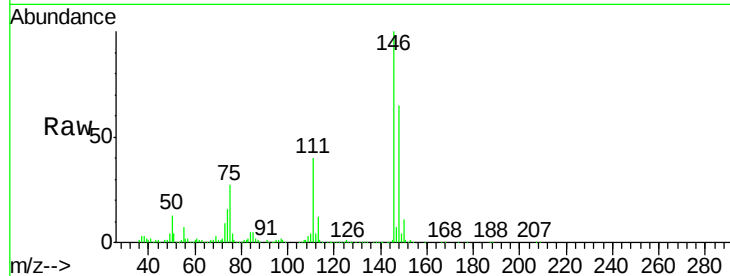
#91
 1,2-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.2
148	63.6	32.2	96.6

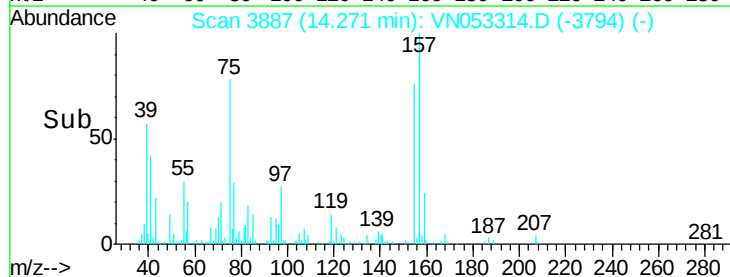
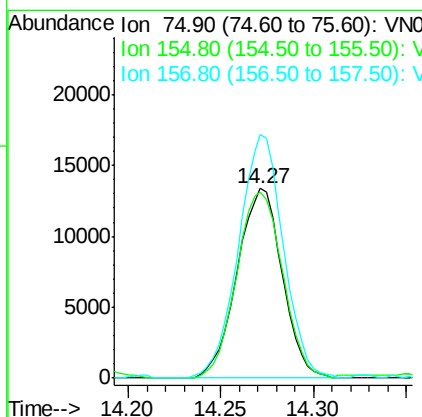
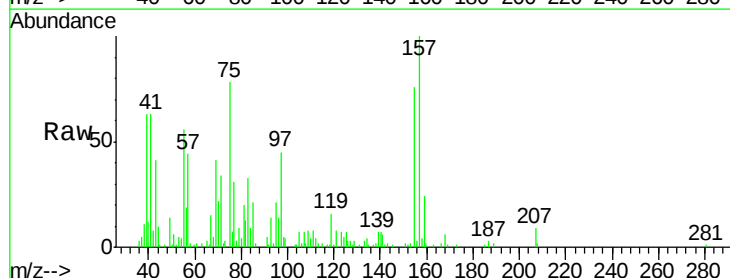
Manual Integrations
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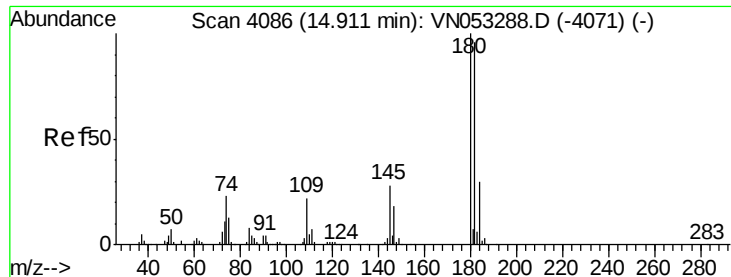
MMDadoda
 1/9/2019 10:57:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.996 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053314.D
 Acq: 8 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	48.1	144.3
157	127.9	61.5	184.4





#93

1,2,4-Trichlorobenzene

Concen: 20.818 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

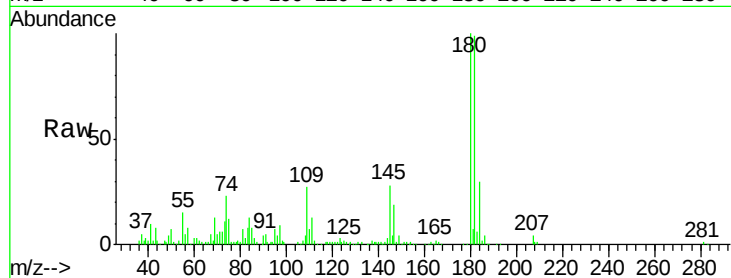
ClientSampleId :

VN0108MBSD01

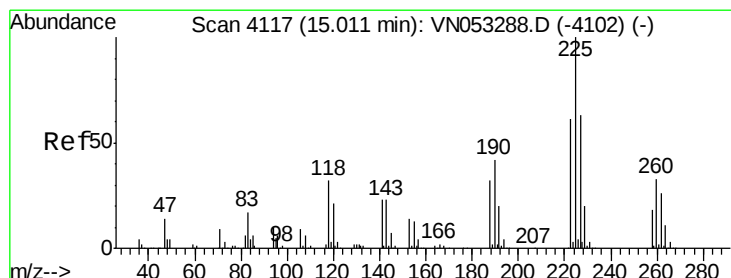
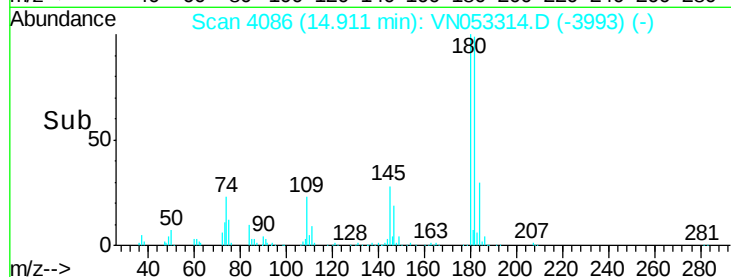
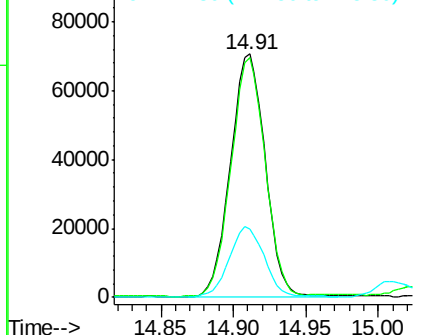
Tot Ion:	180	Resp:	116937
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.8	143.4
145	29.1	14.4	43.0

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



#94

Hexachlorobutadiene

Concen: 21.493 ug/l

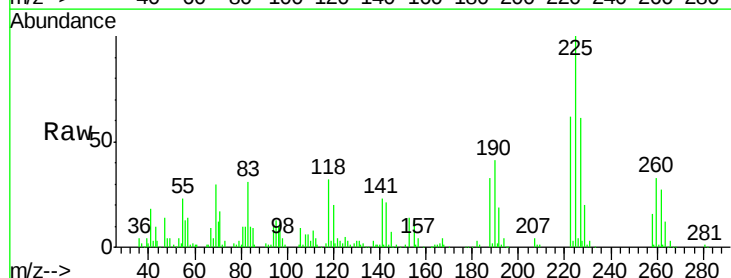
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

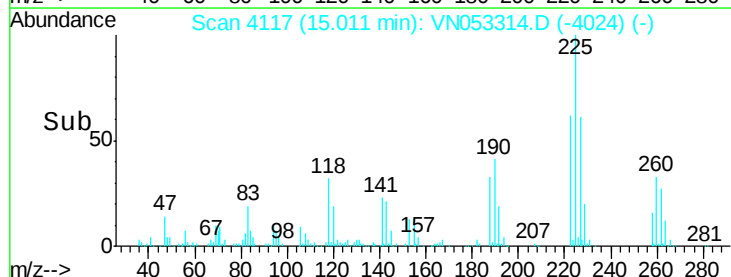
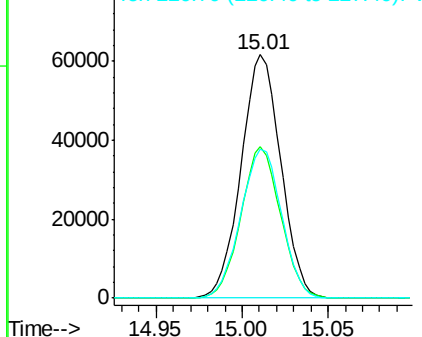
Lab File: VN053314.D

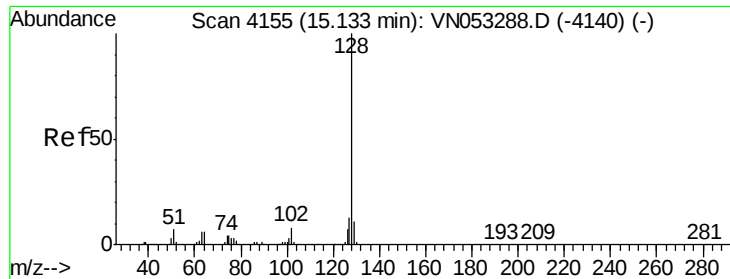
Acq: 8 Jan 2019 13:17

Tgt Ion:	225	Resp:	98747
Ion Ratio	Lower	Upper	
225	100		
223	62.0	30.9	92.8
227	63.3	31.4	94.2



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





#95

Naphthalene

Concen: 24.454 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Instrument :

MSVOA_N

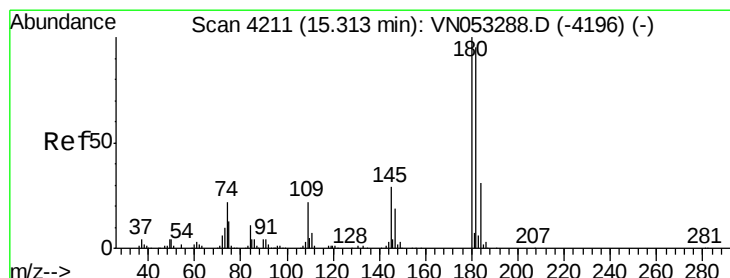
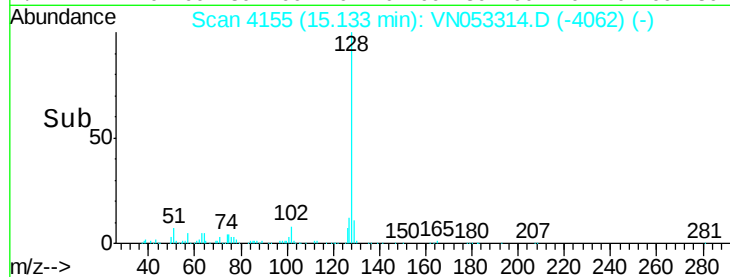
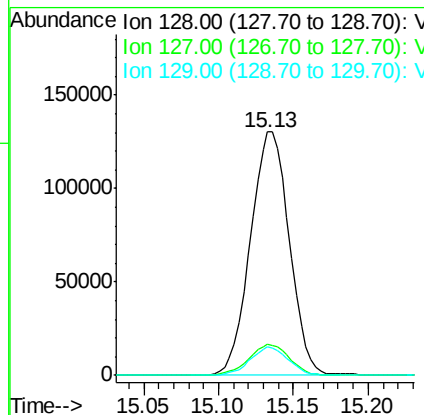
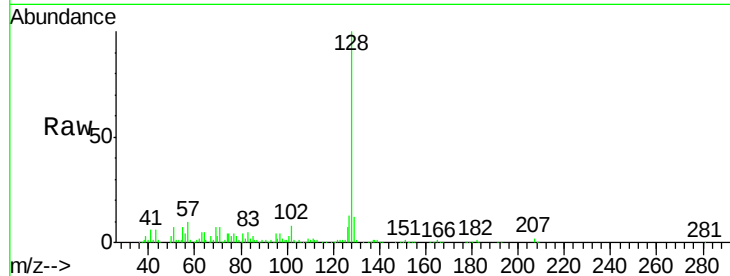
ClientSampled :

VN0108MBSD01

Tot Ion:	128	Resp:	234326
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.4	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 23.801 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053314.D

Acq: 8 Jan 2019 13:17

Tgt Ion:	180	Resp:	87529
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.4	145.0
145	32.4	14.9	44.5

