

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053404.D
 Acq On : 15 Jan 2019 13:33
 Operator : JC/SP
 Sample : VN0115WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:25 AM

Quant Time: Jan 16 03:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	918022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1396522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1257510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	592049	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	474003	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
35) Dibromofluoromethane	7.59	113	409678	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	10.09	98	1731408	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	595546	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	151456	20.520	ug/l	100
3) Chloromethane	2.06	50	217872	20.646	ug/l	98
4) Vinyl Chloride	2.19	62	209001	20.546	ug/l	100
5) Bromomethane	2.57	94	142059	20.353	ug/l	98
6) Chloroethane	2.71	64	125790	20.453	ug/l	100
7) Trichlorofluoromethane	3.03	101	269457	20.251	ug/l	99
8) Diethyl Ether	3.42	74	107894	21.590	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	170121	20.189	ug/l	99
10) Methyl Iodide	3.96	142	262839	20.411	ug/l	99
11) Tert butyl alcohol	4.77	59	56170	126.510	ug/l	99
12) 1,1-Dichloroethene	3.74	96	167497	20.493	ug/l	97
13) Acrolein	3.61	56	90670	117.873	ug/l	100
14) Allyl chloride	4.33	41	283459	21.351	ug/l	95
15) Acrylonitrile	4.99	53	336764	115.252	ug/l	99
16) Acetone	3.81	43	224390	105.403	ug/l	98
17) Carbon Disulfide	4.06	76	498318	20.161	ug/l	99
18) Methyl Acetate	4.33	43	151769	21.160	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	476366	21.935	ug/l	98
20) Methylene Chloride	4.56	84	196403	20.207	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	179915	20.590	ug/l	98
22) Diisopropyl ether	5.95	45	598803	21.606	ug/l	98
23) Vinyl Acetate	5.90	43	1908484	112.021	ug/l	99
24) 1,1-Dichloroethane	5.85	63	342653	20.914	ug/l	99
25) 2-Butanone	6.83	43	378230	115.293	ug/l	99
26) 2,2-Dichloropropane	6.83	77	255866	20.684	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	212062	21.223	ug/l	99
28) Bromochloromethane	7.20	49	152195	21.086	ug/l	99
29) Tetrahydrofuran	7.21	42	245573	114.986	ug/l	100
30) Chloroform	7.37	83	335955	21.046	ug/l	98
31) Cyclohexane	7.66	56	324744	20.234	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	281741	20.806	ug/l	99
36) 1,1-Dichloropropene	7.80	75	261781	20.583	ug/l	99
37) Ethyl Acetate	6.93	43	168262	22.806	ug/l	99
38) Carbon Tetrachloride	7.78	117	245049	20.351	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
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Manual Integrations
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Quant Time: Jan 16 03:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	315954	20.099	ug/l	99
40) Benzene	8.04	78	801881	20.748	ug/l	99
41) Methacrylonitrile	7.17	41	93401	20.472	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	236504	21.005	ug/l	99
43) Isopropyl Acetate	8.17	43	302619	22.027	ug/l	100
44) Trichloroethene	8.84	130	220931	20.613	ug/l	97
45) 1,2-Dichloropropane	9.12	63	212622	20.770	ug/l	97
46) Dibromomethane	9.21	93	121201	20.607	ug/l	97
47) Bromodichloromethane	9.40	83	253044	20.459	ug/l	98
48) Methyl methacrylate	9.20	41	146768	21.605	ug/l	97
49) 1,4-Dioxane	9.20	88	32100	483.829	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	841189	117.117	ug/l	100
52) Toluene	10.16	92	495810	20.664	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	264899	21.130	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	307863	20.948	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	179826	21.739	ug/l	99
56) Ethyl methacrylate	10.43	69	235216	21.269	ug/l	99
57) 1,3-Dichloropropane	10.71	76	303748	21.226	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	620922	107.293	ug/l	100
59) 2-Hexanone	10.75	43	584466	115.920	ug/l	100
60) Dibromochloromethane	10.90	129	192404	20.507	ug/l	99
61) 1,2-Dibromoethane	11.01	107	179054	21.402	ug/l	100
64) Tetrachloroethene	10.63	164	234698	19.805	ug/l	99
65) Chlorobenzene	11.44	112	551675	20.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	191505	20.681	ug/l	100
67) Ethyl Benzene	11.51	91	944507	20.821	ug/l	100
68) m/p-Xylenes	11.62	106	719906	42.034	ug/l	99
69) o-Xylene	11.95	106	349736	21.015	ug/l	100
70) Styrene	11.97	104	579984	21.473	ug/l	99
71) Bromoform	12.13	173	136853	21.468	ug/l #	99
73) Isopropylbenzene	12.25	105	932937	21.518	ug/l	100
74) N-amyl acetate	12.07	43	264421	22.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	209676	23.059	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	184189m	24.709	ug/l	
77) Bromobenzene	12.53	156	244715	21.420	ug/l	99
78) n-propylbenzene	12.59	91	1065980	21.419	ug/l	99
79) 2-Chlorotoluene	12.68	91	629524	21.340	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	751273	21.297	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	62512	21.783	ug/l	100
82) 4-Chlorotoluene	12.77	91	637217	21.182	ug/l	99
83) tert-Butylbenzene	12.99	119	670642	21.525	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	759488	21.353	ug/l	100
85) sec-Butylbenzene	13.17	105	910652	21.312	ug/l	100
86) p-Isopropyltoluene	13.29	119	786380	21.196	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	422079	21.003	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	414166	20.546	ug/l	99
89) n-Butylbenzene	13.62	91	650319	20.563	ug/l	100
90) Hexachloroethane	13.88	117	119078	20.465	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	401860	21.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26960	23.383	ug/l	96

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Manual Integrations
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Quant Time: Jan 16 03:57:16 2019
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Quant Title : SW846 8260
QLast Update : Tue Jan 15 11:52:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161130	21.426	ug/l	99
94) Hexachlorobutadiene	15.01	225	126331	21.904	ug/l	100
95) Naphthalene	15.13	128	277584	21.806	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	120776	22.558	ug/l	98

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

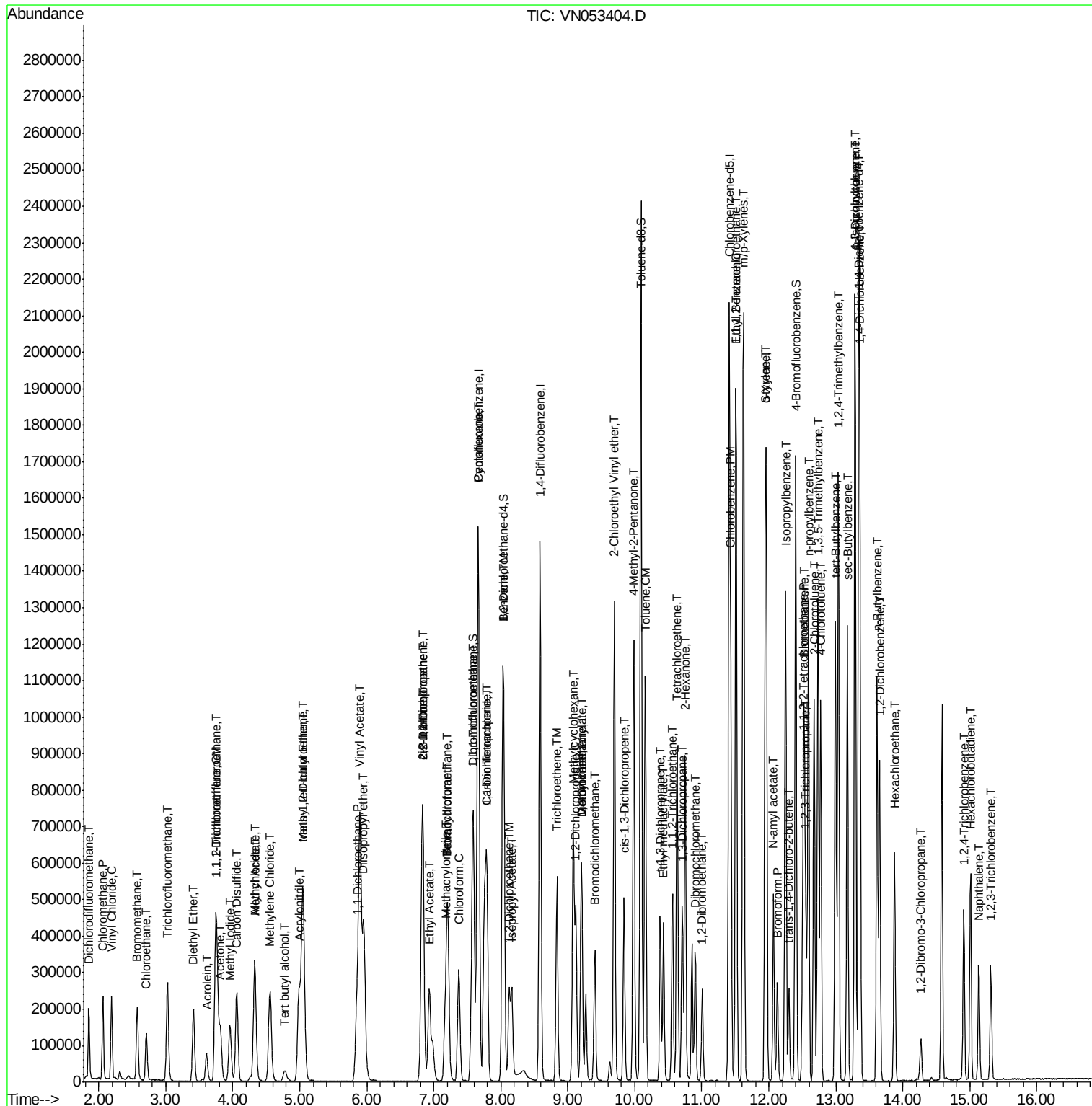
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 Data File : VN053404.D
 Acq On : 15 Jan 2019 13:33
 Operator : JC/SP
 Sample : VN0115WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

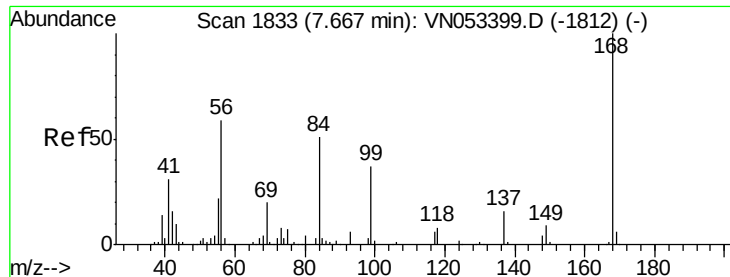
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0115WBS01

Manual Integrations
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion:168 Resp: 918022

Ion Ratio Lower Upper

168 100

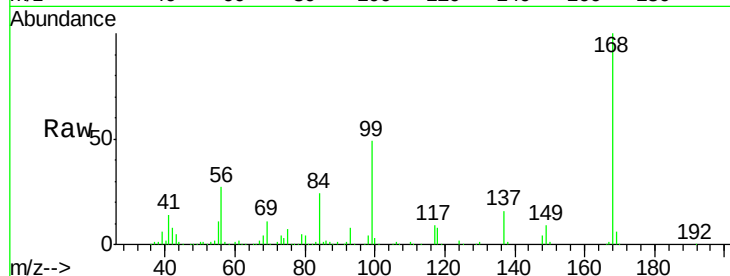
99 49.1 39.1 58.7

Manual Integrations

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1/16/2019 9:51:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

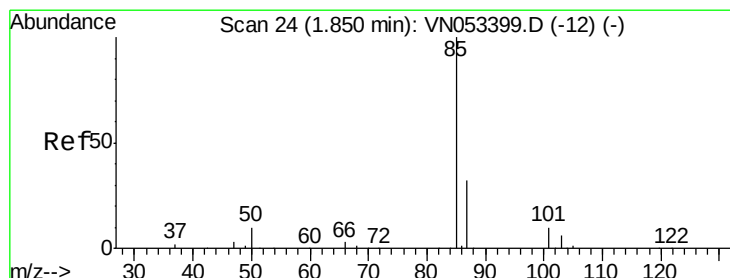
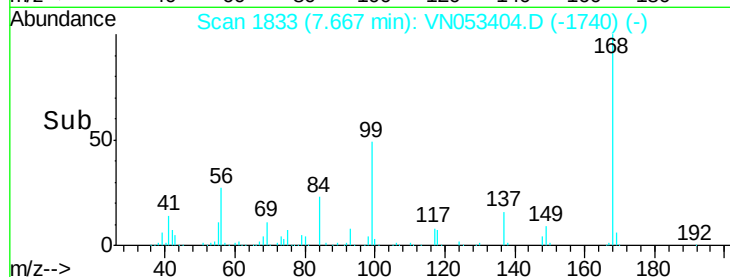
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.520 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053404.D

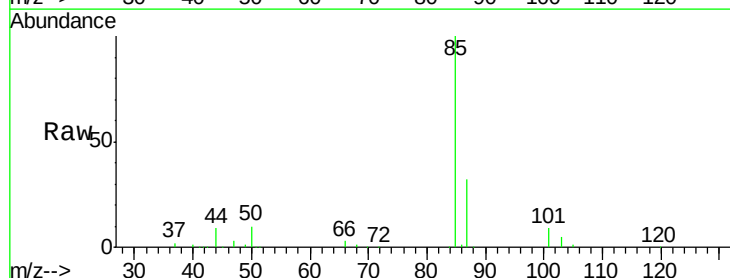
Acq: 15 Jan 2019 13:33

Tgt Ion: 85 Resp: 151456

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

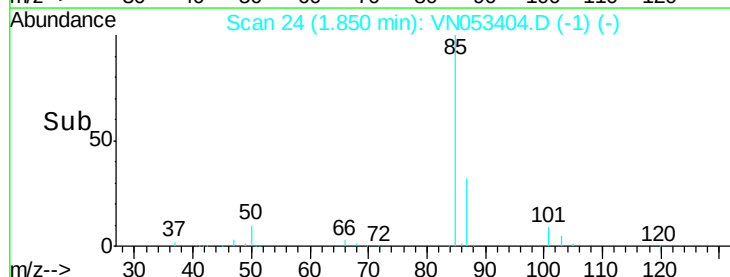
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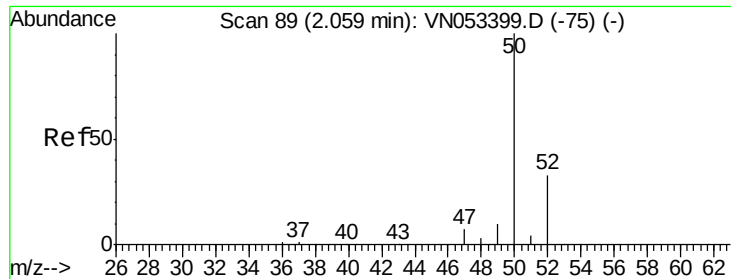
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.646 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 50 Resp: 217872

Ion Ratio Lower Upper

50 100

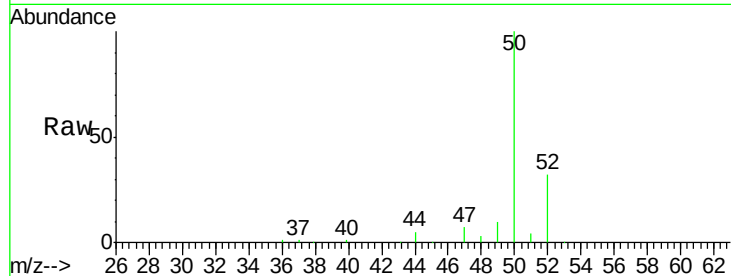
52 32.2 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

150000

100000

50000

0

2.00 2.05 2.10 2.15

Abundance

Scan 90 (2.063 min): VN053404.D (-1) (-)

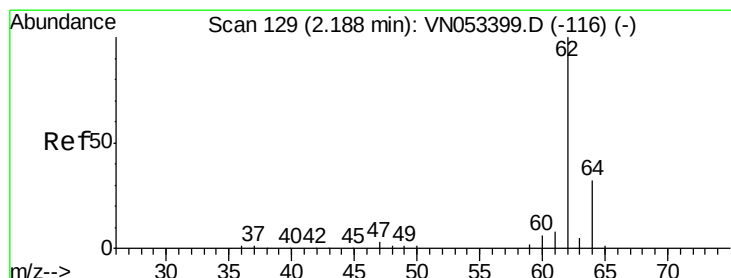
50

52

37 40 43 45 47

m/z-->

Time-->



#4

Vinyl Chloride

Concen: 20.546 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053404.D

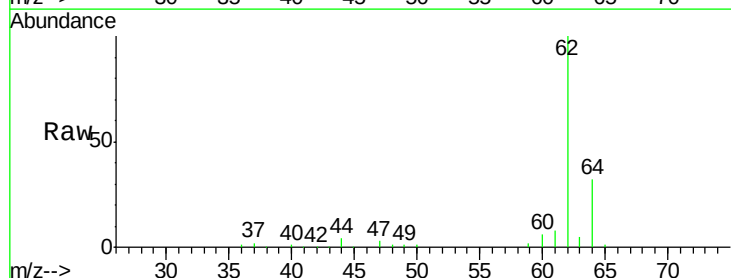
Acq: 15 Jan 2019 13:33

Tgt Ion: 62 Resp: 209001

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

150000

100000

50000

0

2.10 2.15 2.20 2.25 2.30

Abundance

Scan 130 (2.191 min): VN053404.D (-36) (-)

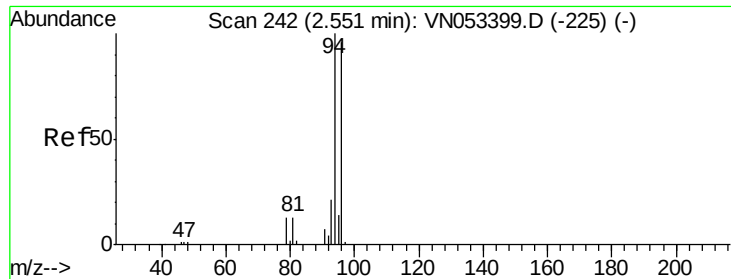
62

64

37 40 42 44 47 49

m/z-->

Time-->



#5

Bromomethane

Concen: 20.353 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 94 Resp: 142059

Ion Ratio Lower Upper

94 100

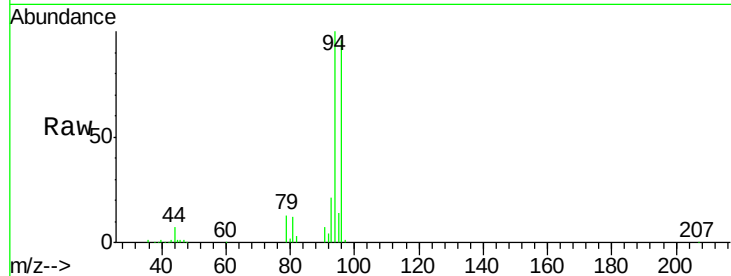
96 95.6 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

80000

60000

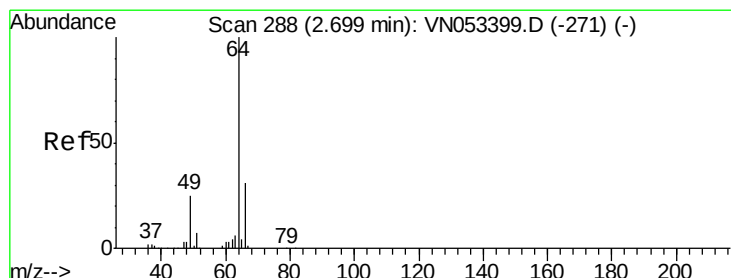
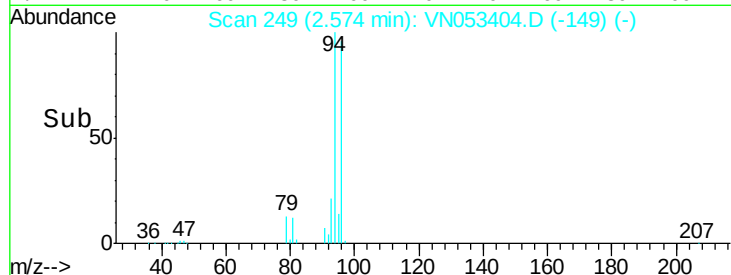
40000

20000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 20.453 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053404.D

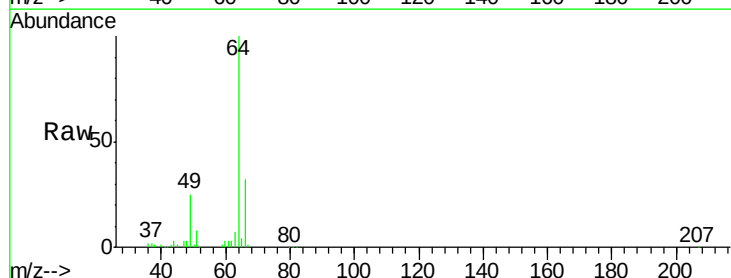
Acq: 15 Jan 2019 13:33

Tgt Ion: 64 Resp: 125790

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

60000

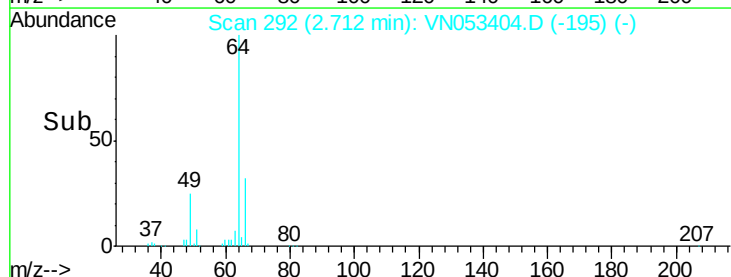
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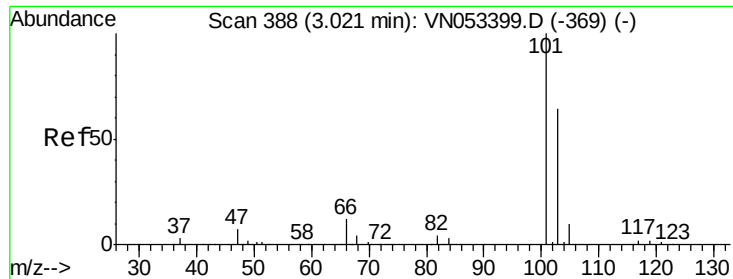
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

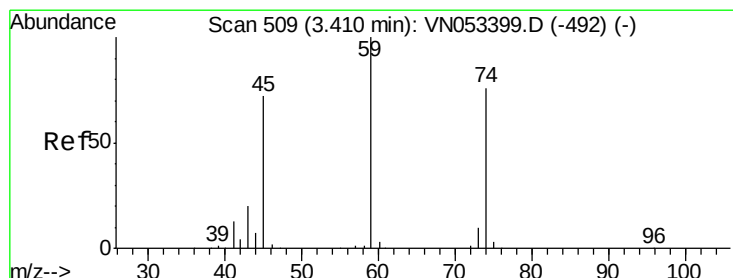
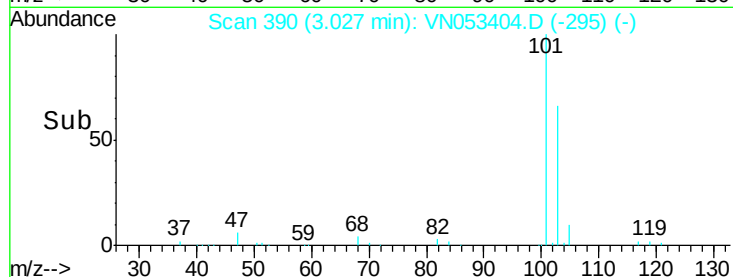
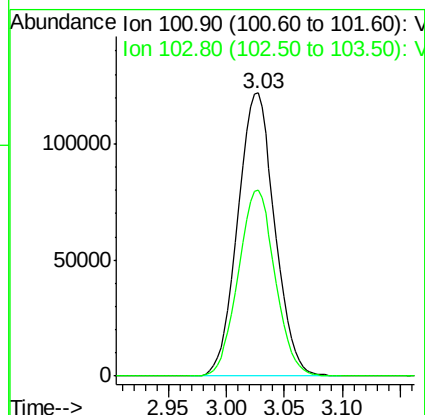
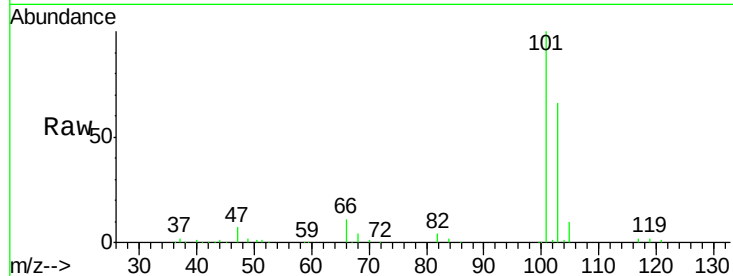
Trichlorofluoromethane
Concen: 20.251 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion:101 Resp: 269457
Ion Ratio Lower Upper
101 100
103 65.6 52.1 78.1

Manual Integrations
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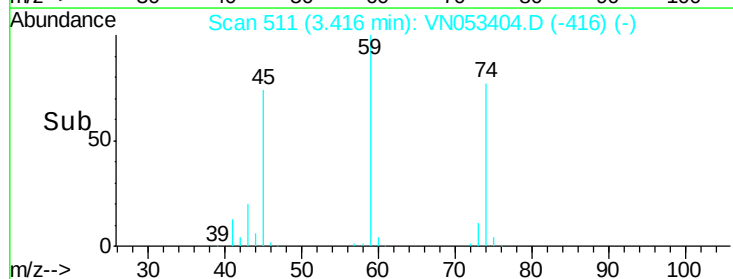
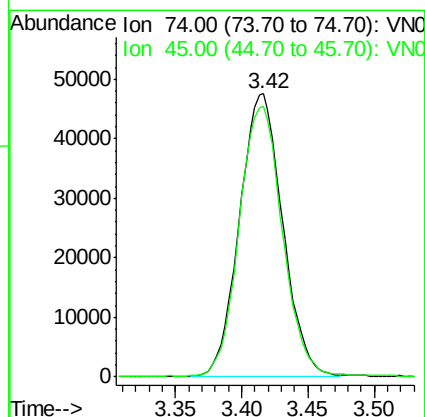
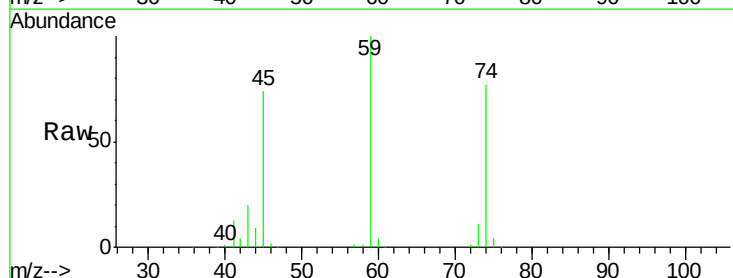
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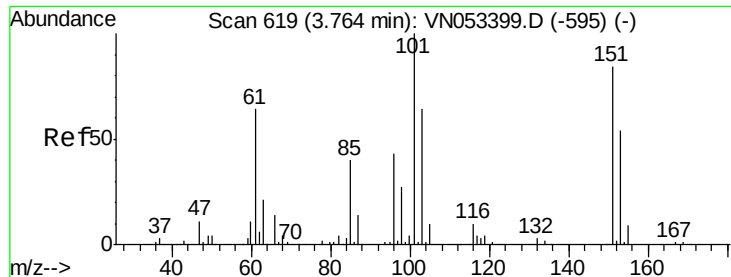


#8

Diethyl Ether
Concen: 21.590 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion: 74 Resp: 107894
Ion Ratio Lower Upper
74 100
45 95.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.189 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

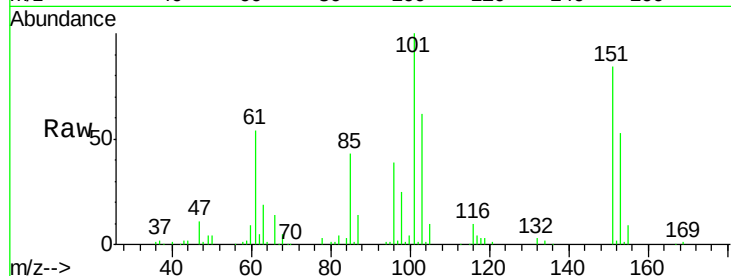
ClientSampleId :

VN0115WBS01

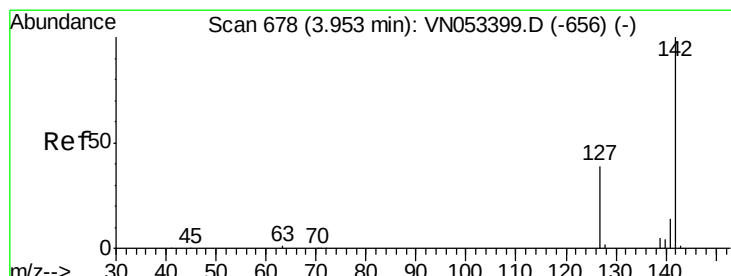
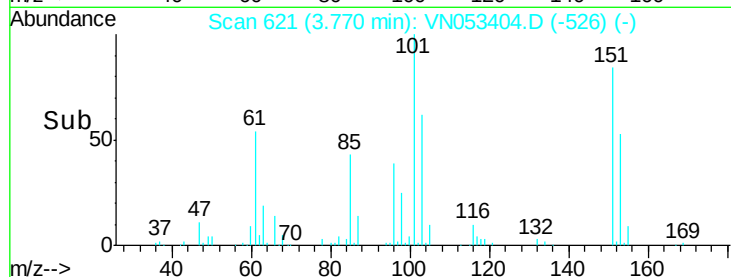
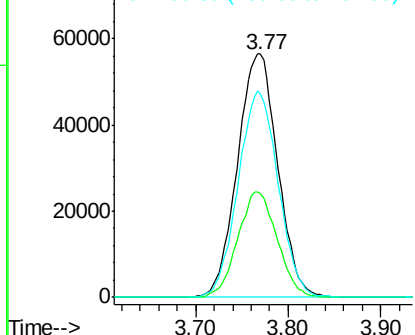
Tot Ion:	101	Resp:	170121
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.3	49.9
151	84.5	67.0	100.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.411 ug/l

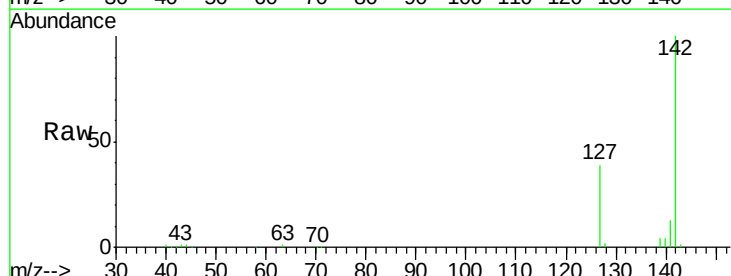
RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

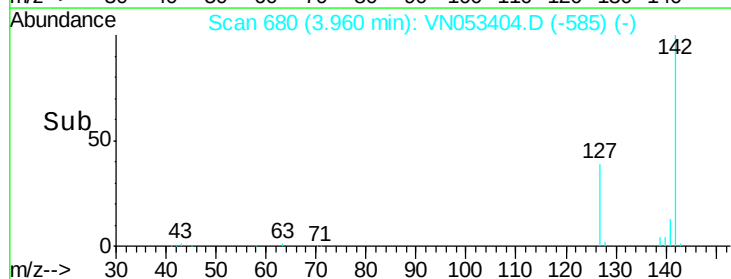
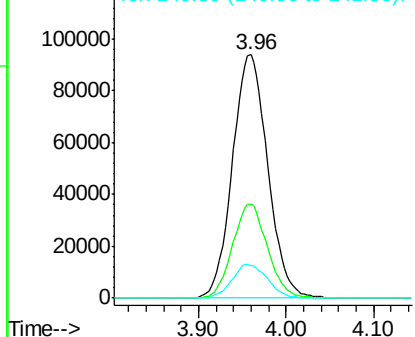
Lab File: VN053404.D

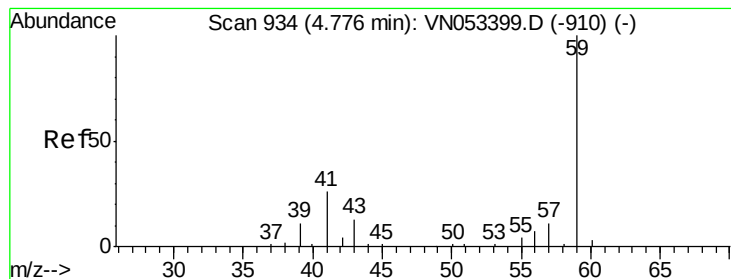
Acq: 15 Jan 2019 13:33

Tgt Ion:	142	Resp:	262839
Ion Ratio	Lower	Upper	
142	100		
127	38.2	30.9	46.3
141	13.9	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

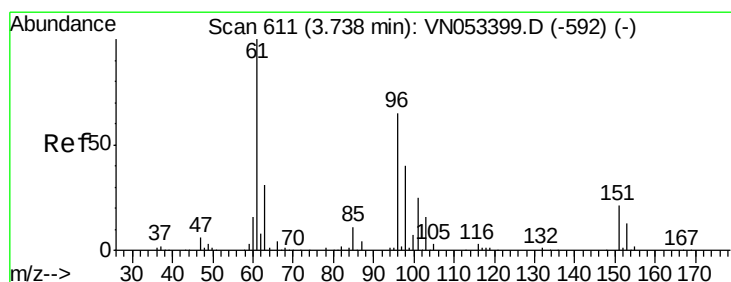
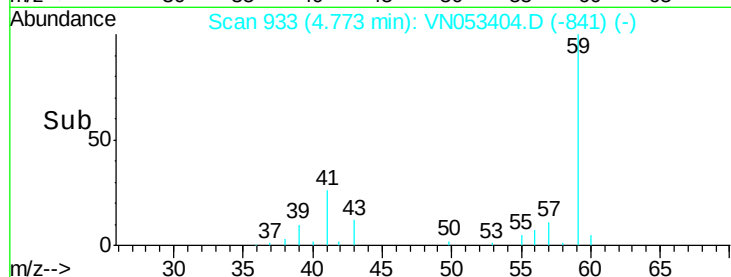
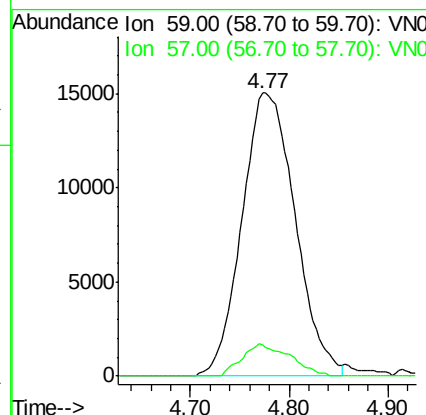
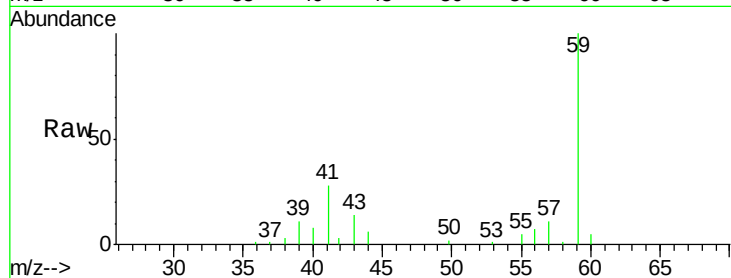
Tert butyl alcohol
Concen: 126.510 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

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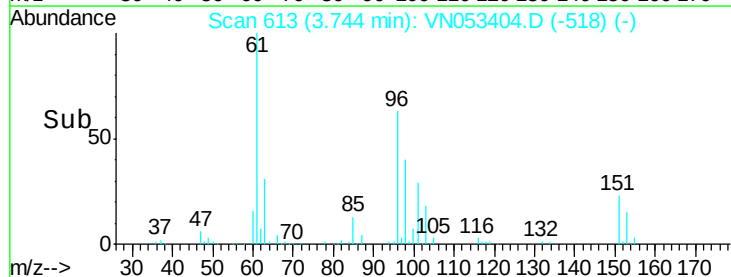
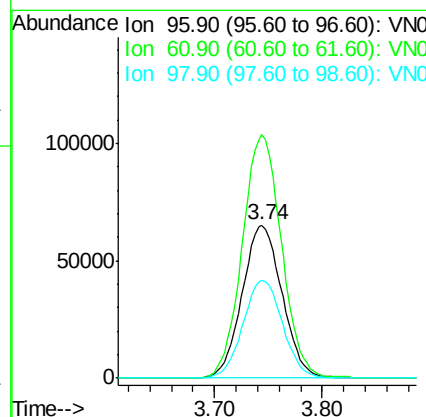
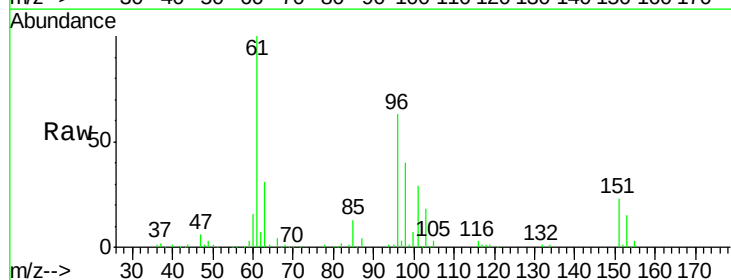
MMDadoda
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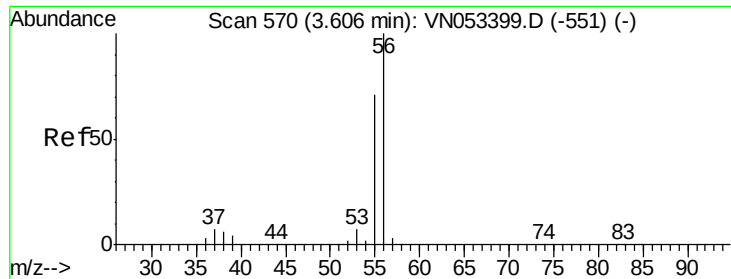


#12

1,1-Dichloroethene
Concen: 20.493 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	123.2	184.8
98	63.7	50.5	75.7





#13

Acrolein

Concen: 117.873 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 56 Resp: 90670

Ion Ratio Lower Upper

56 100

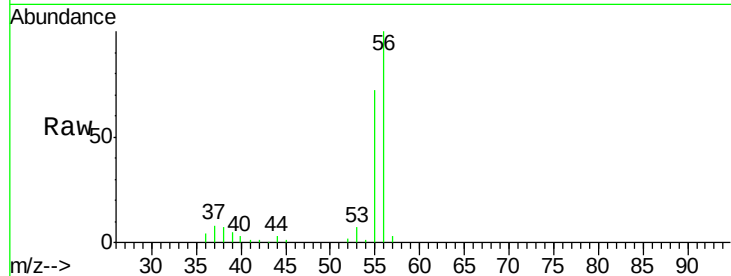
55 70.4 56.3 84.5

Manual Integrations

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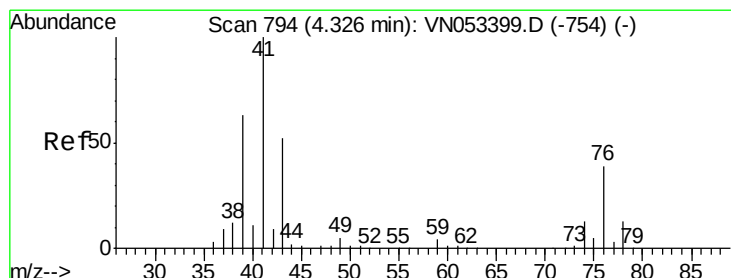
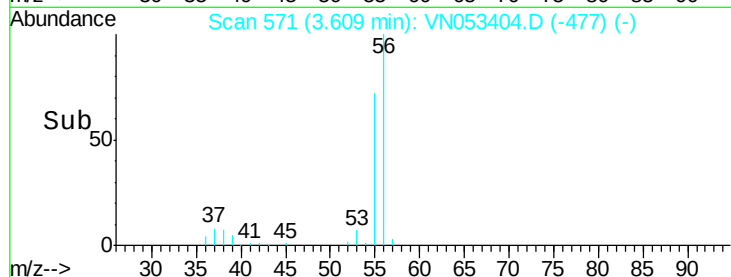
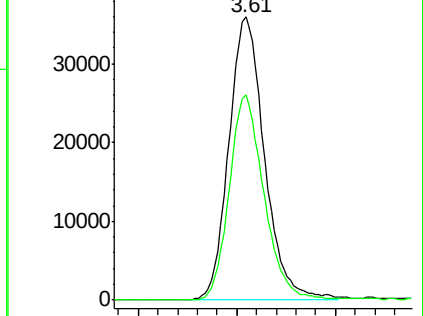
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.351 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

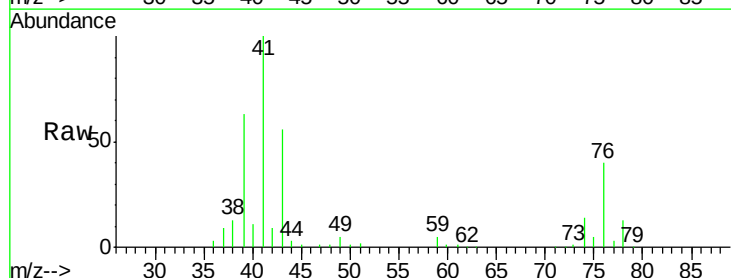
Tgt Ion: 41 Resp: 283459

Ion Ratio Lower Upper

41 100

39 60.8 51.9 77.9

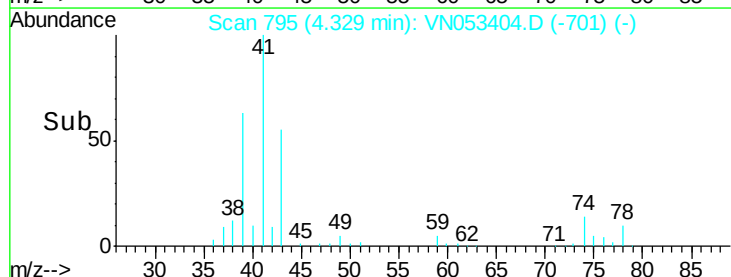
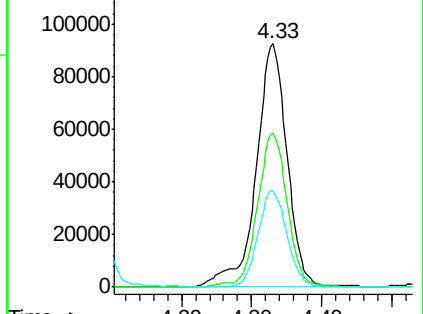
76 36.4 31.2 46.8

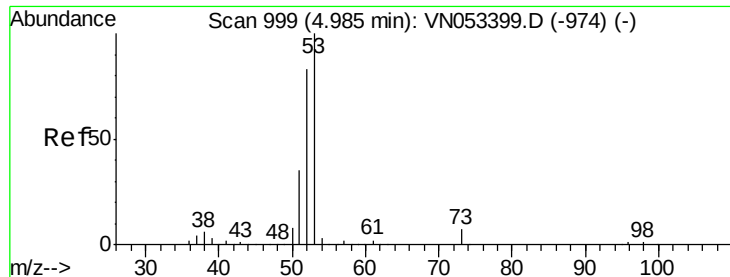


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 115.252 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

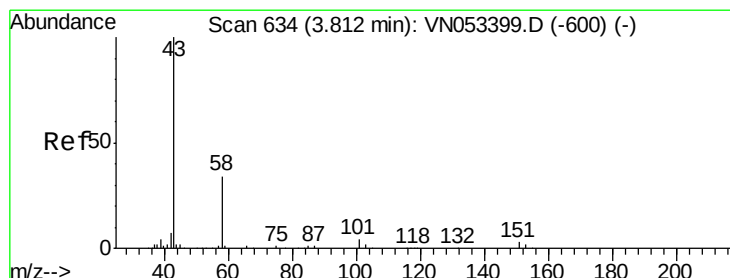
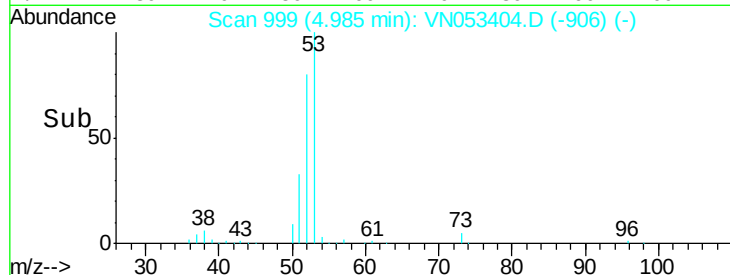
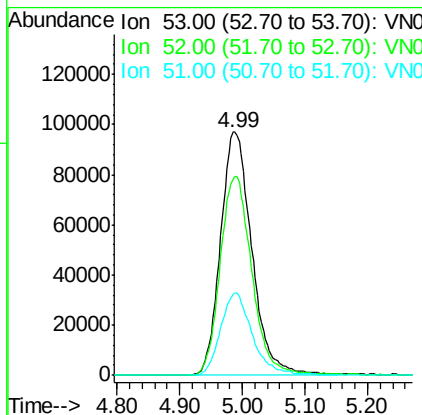
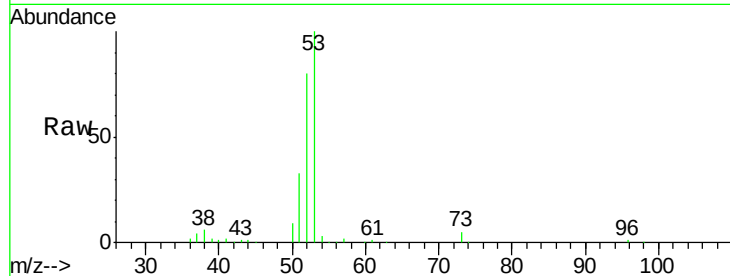
ClientSampleId :

VN0115WBS01

Tot Ion:	53	Resp:	336764
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	33.9	28.0	42.0

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#16

Acetone

Concen: 105.403 ug/l

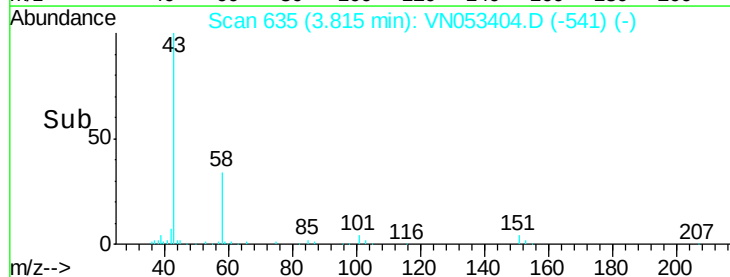
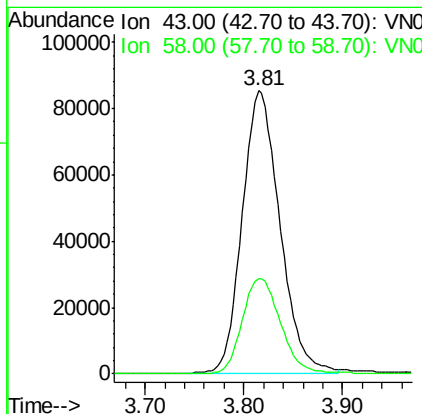
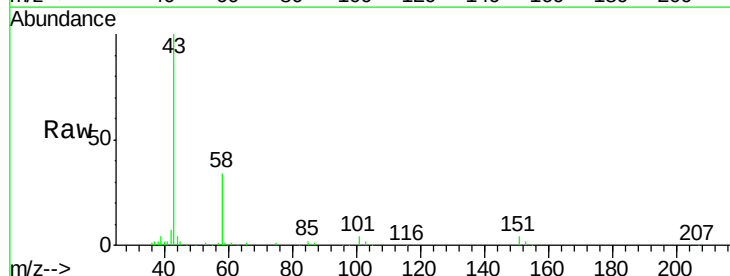
RT: 3.81 min Scan# 635

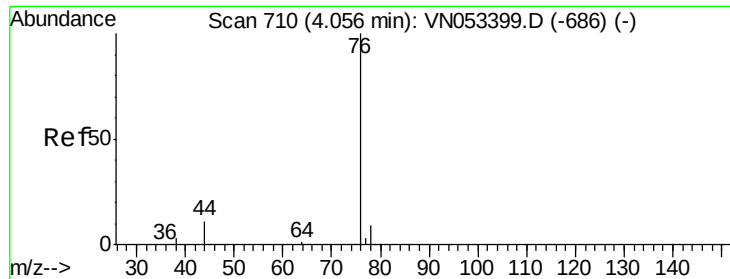
Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion:	43	Resp:	224390
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.8	41.6





#17

Carbon Disulfide

Concen: 20.161 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tot Ion: 76 Resp: 498318

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

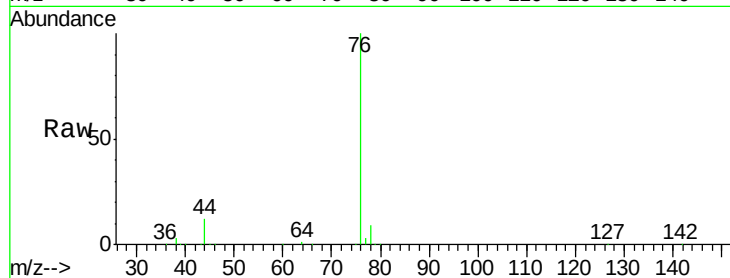
VN0115WBS01

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

200000

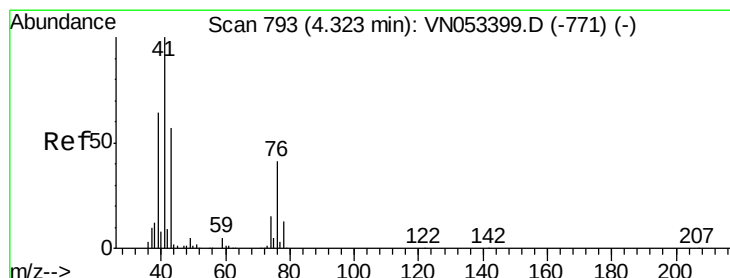
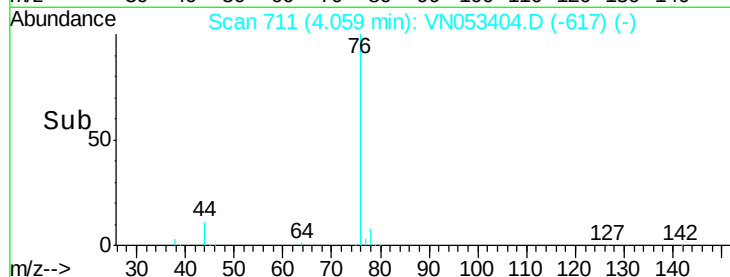
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 21.160 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053404.D

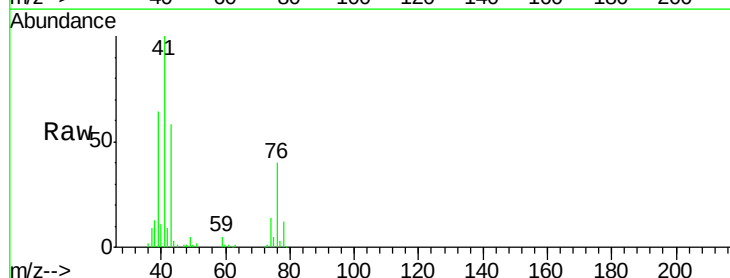
Acq: 15 Jan 2019 13:33

Tgt Ion: 43 Resp: 151769

Ion Ratio Lower Upper

43 100

74 24.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

50000

40000

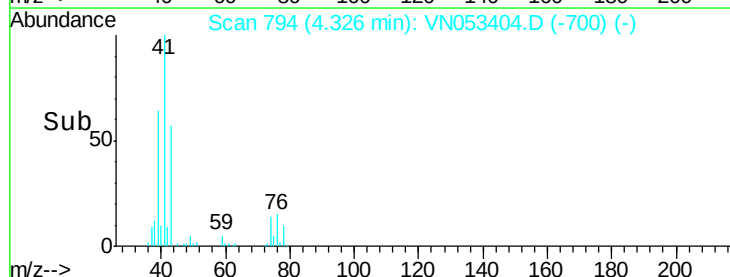
30000

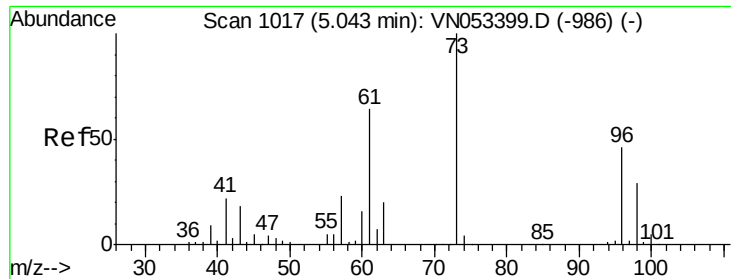
20000

10000

0

Time--> 4.20 4.30 4.40





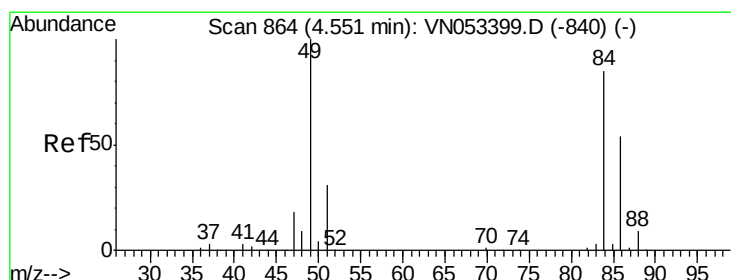
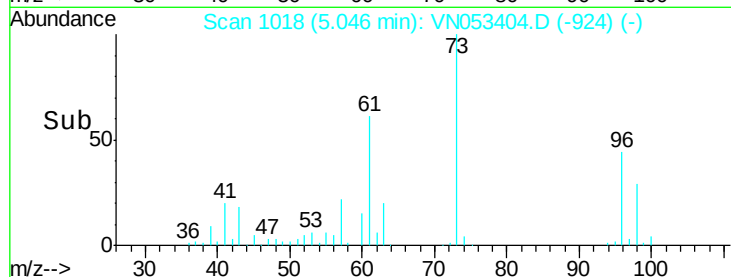
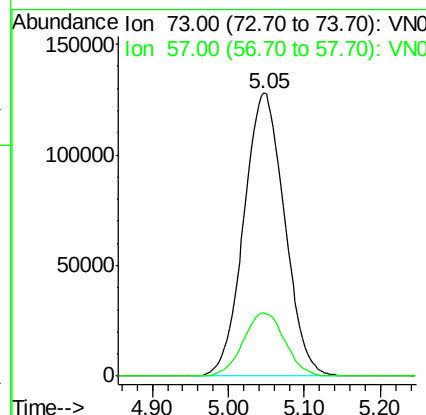
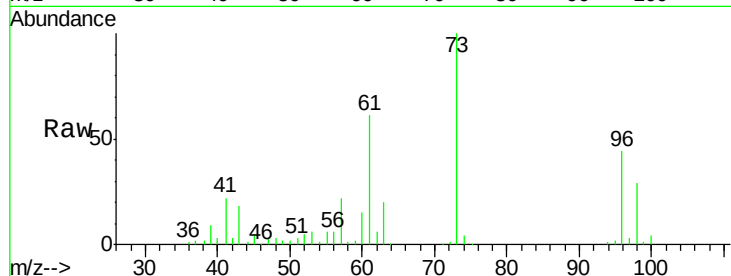
#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampled :
VN0115WBS01

Tot Ion: 73 Resp: 476366
Ion Ratio Lower Upper
73 100
57 22.1 18.5 27.7

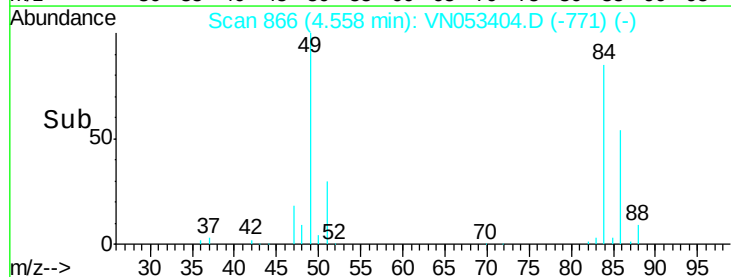
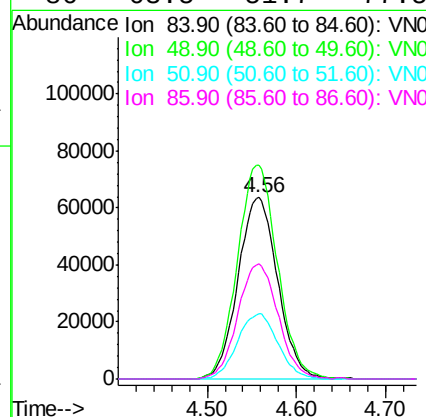
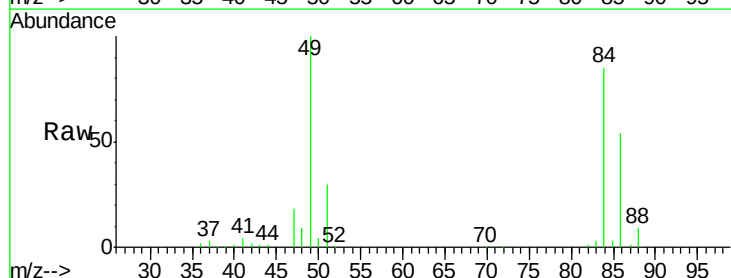
Manual Integrations
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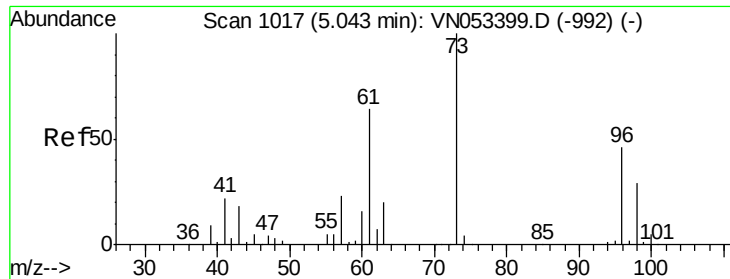
MMDadoda
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#20
Methylene Chloride
Concen: 20.207 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion: 84 Resp: 196403
Ion Ratio Lower Upper
84 100
49 117.5 95.3 142.9
51 35.8 29.0 43.6
86 63.5 51.7 77.5





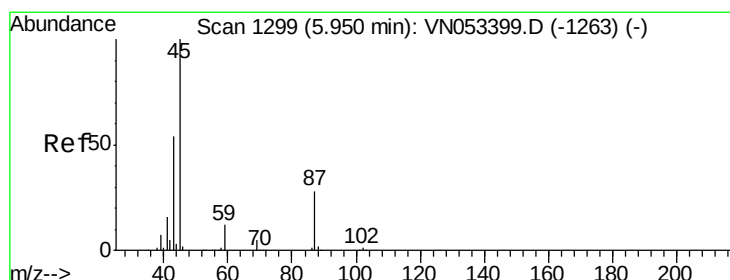
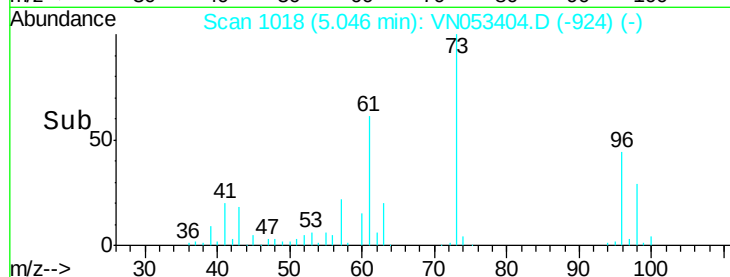
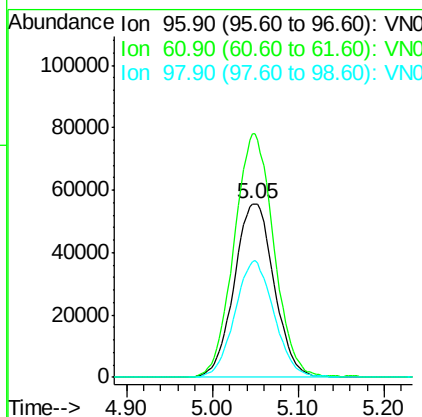
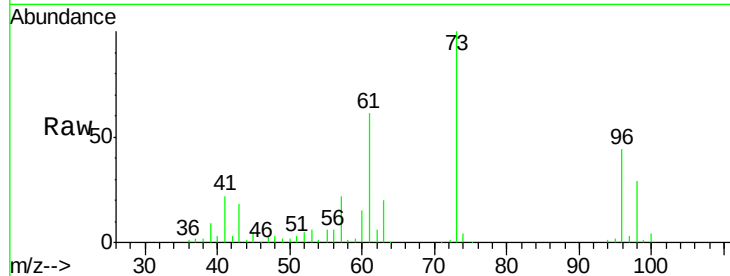
#21
trans-1,2-Dichloroethene
Concen: 20.590 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	110.2	165.4
98	66.4	50.7	76.1

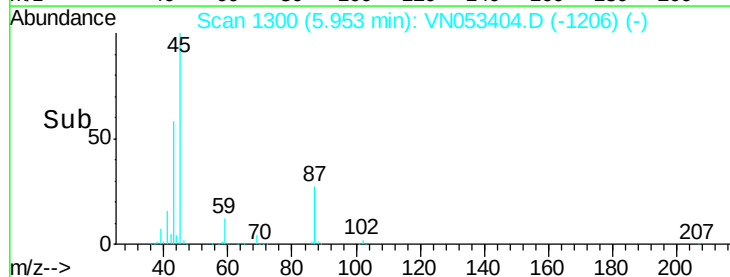
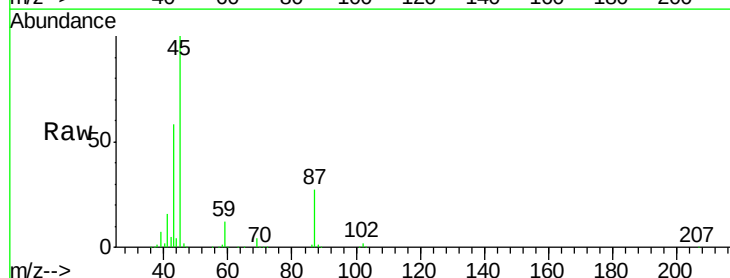
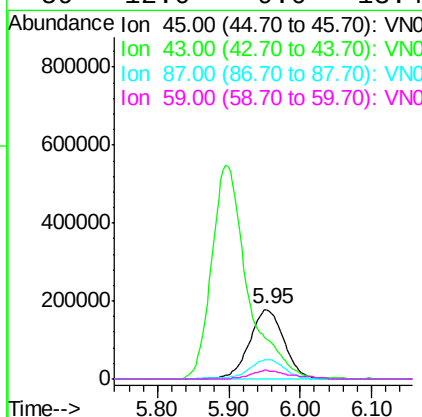
Manual Integrations
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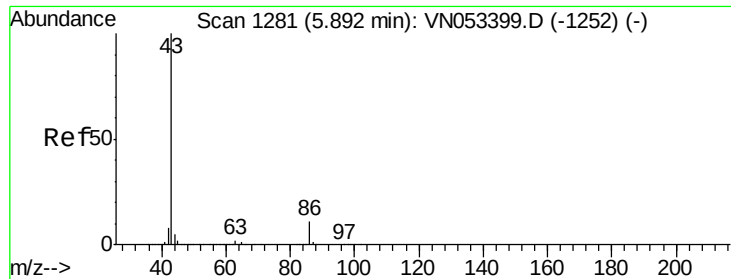
MMDadoda
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#22
Diisopropyl ether
Concen: 21.606 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	43.0	64.6
87	27.4	22.1	33.1
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 112.021 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 43 Resp: 1908484

Ion Ratio Lower Upper

43 100

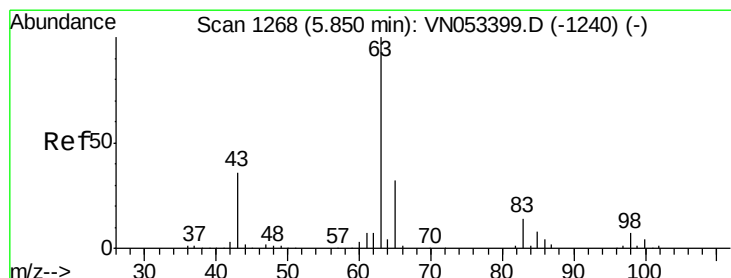
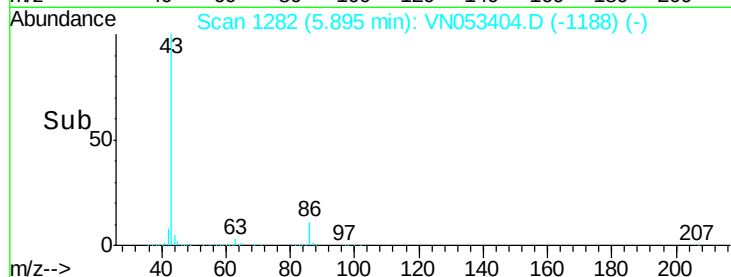
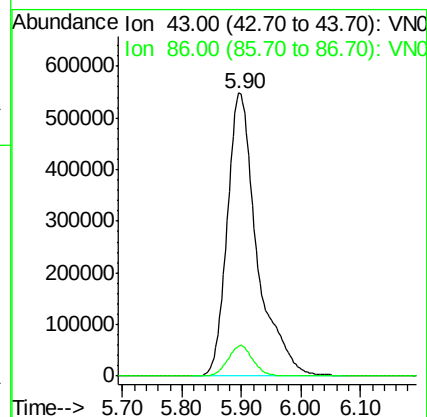
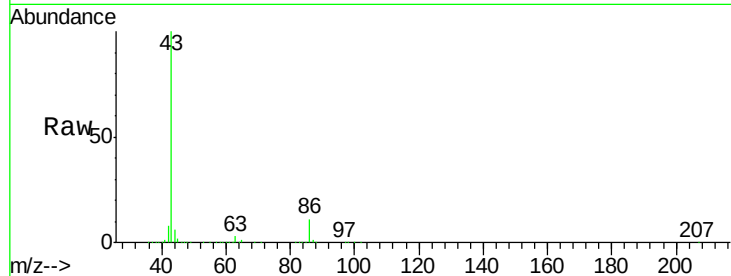
86 10.8 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.914 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

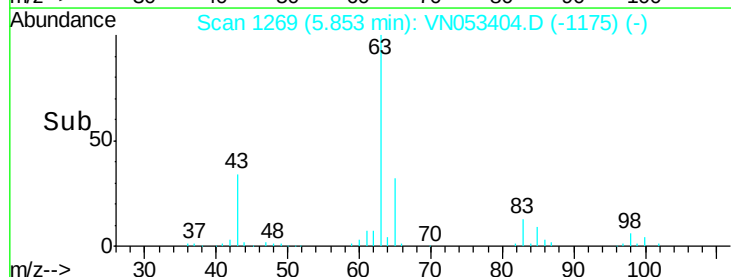
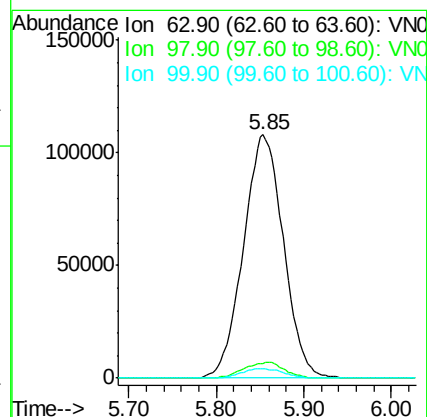
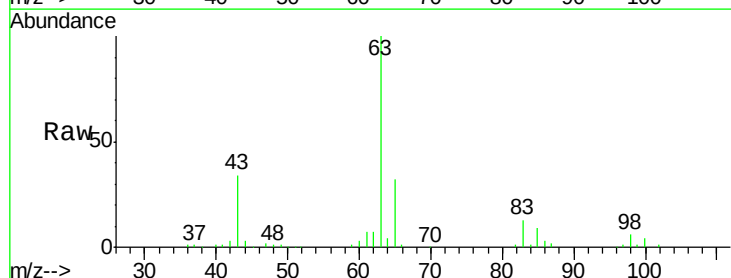
Tgt Ion: 63 Resp: 342653

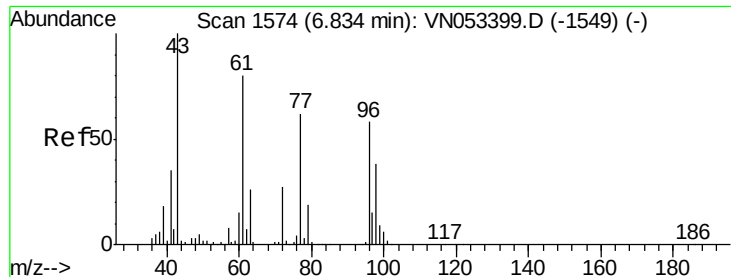
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.9 2.1 6.5





#25

2-Butanone

Concen: 115.293 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 43 Resp: 378230

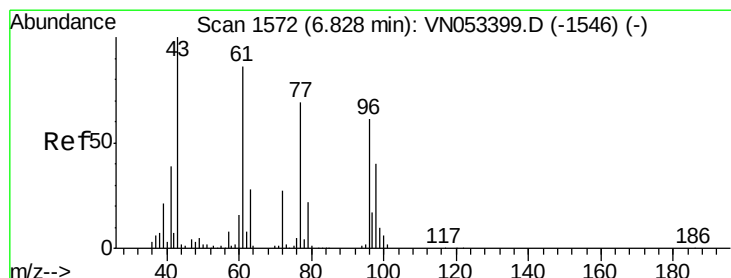
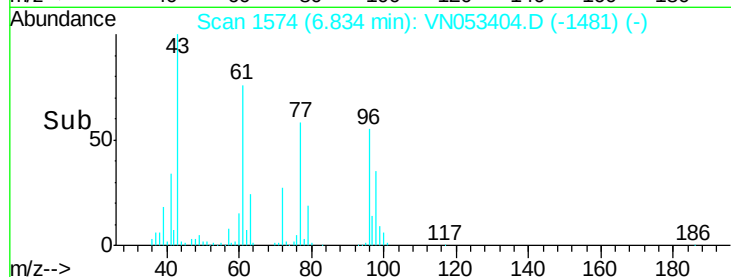
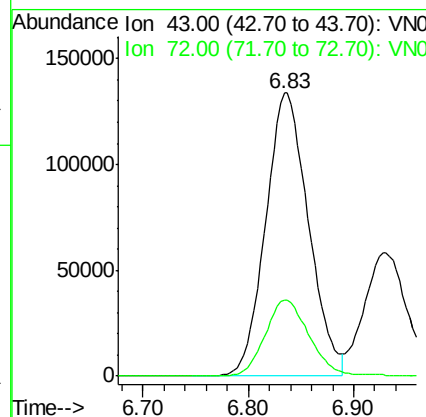
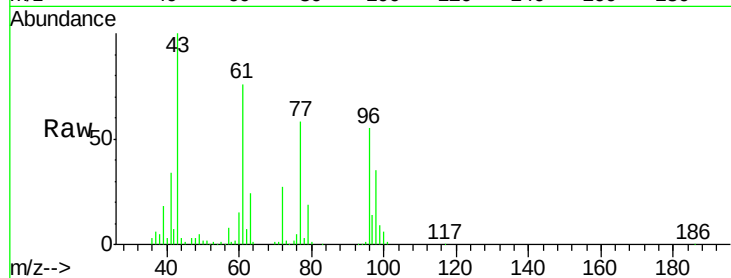
Ion Ratio Lower Upper

43 100

72 26.9 22.0 33.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.684 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053404.D

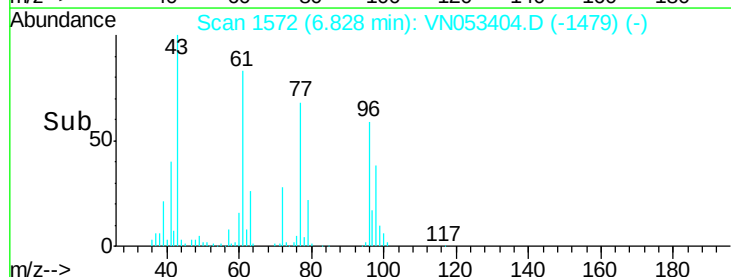
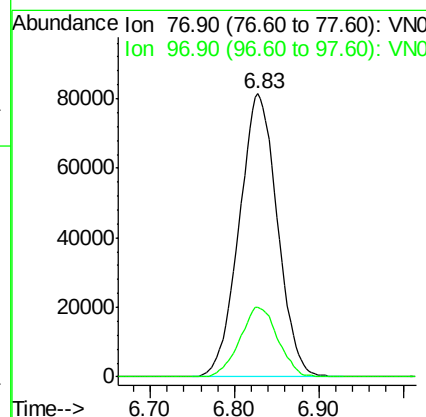
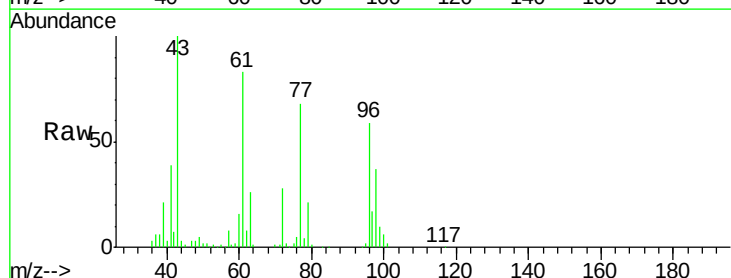
Acq: 15 Jan 2019 13:33

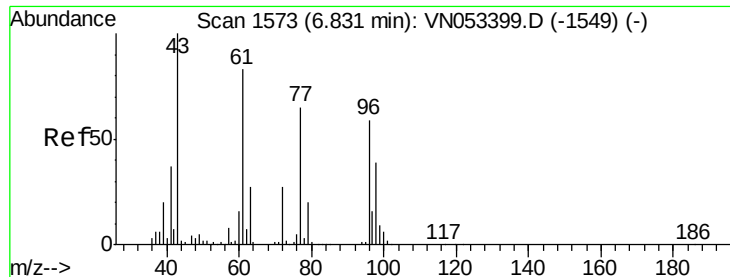
Tgt Ion: 77 Resp: 255866

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.223 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

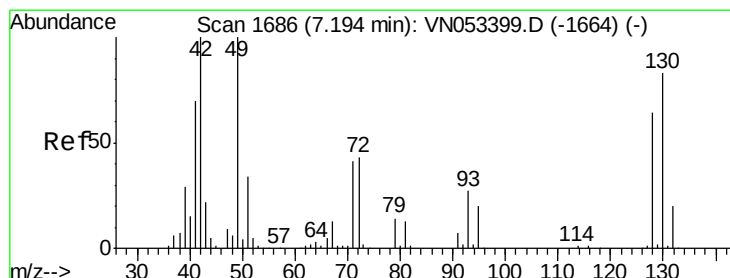
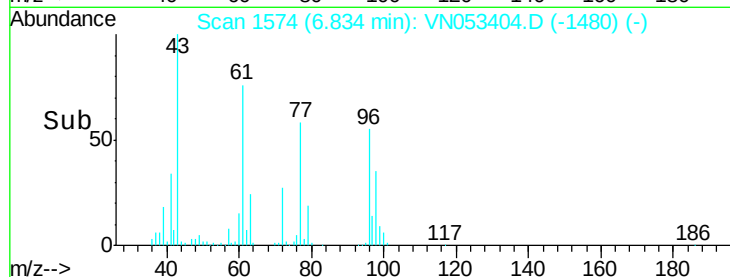
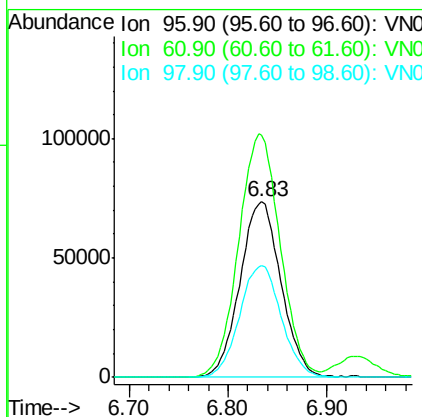
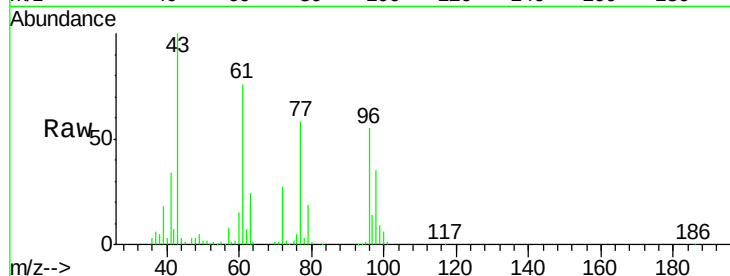
ClientSampleId :

VN0115WBS01

Tot Ion:	96	Resp:	212062
Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	280.6
98	64.8	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.086 ug/l

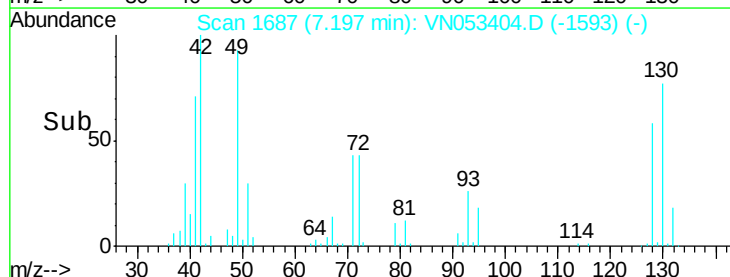
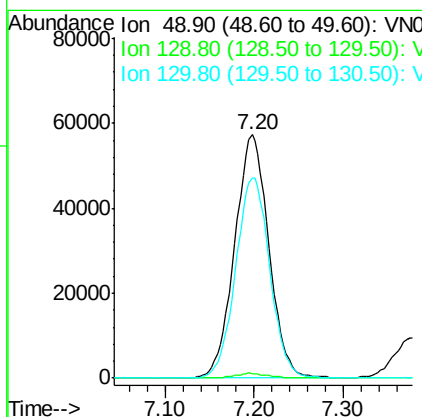
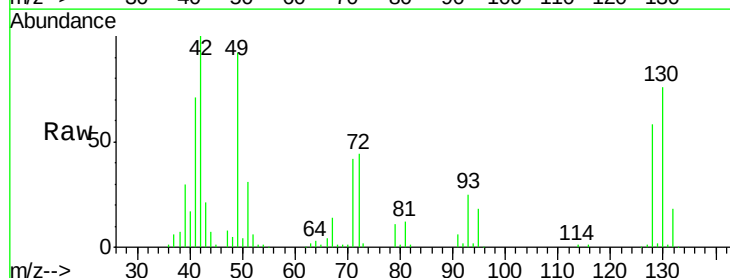
RT: 7.20 min Scan# 1687

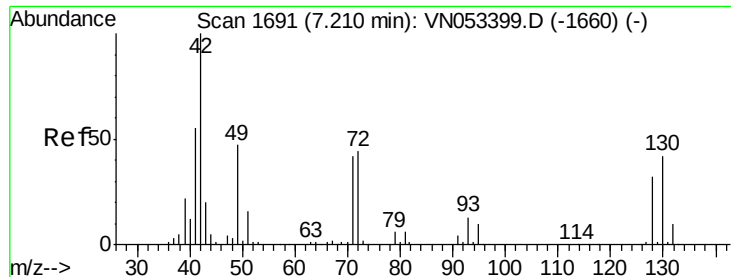
Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion:	49	Resp:	152195
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.4	65.4	98.0





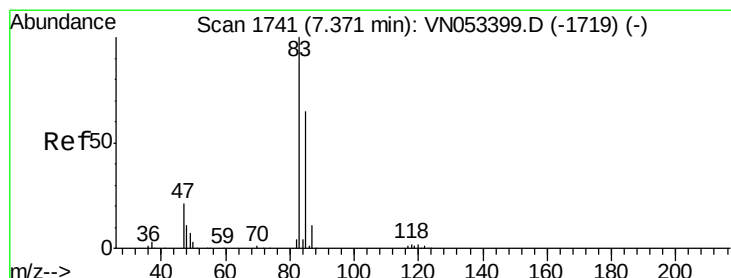
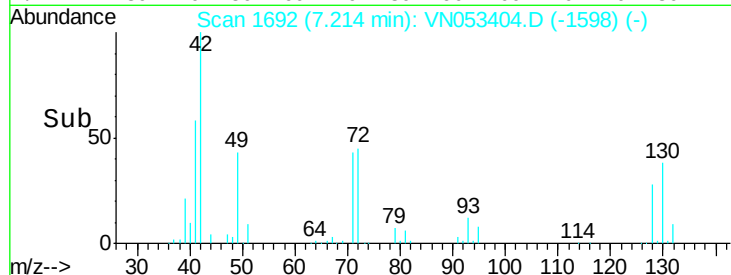
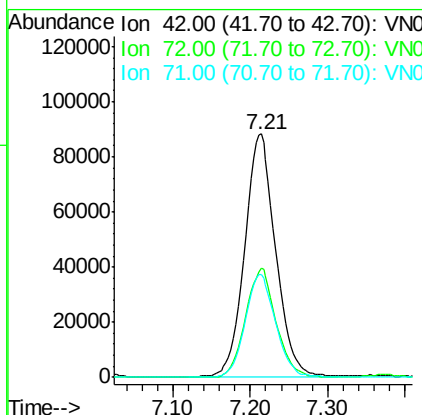
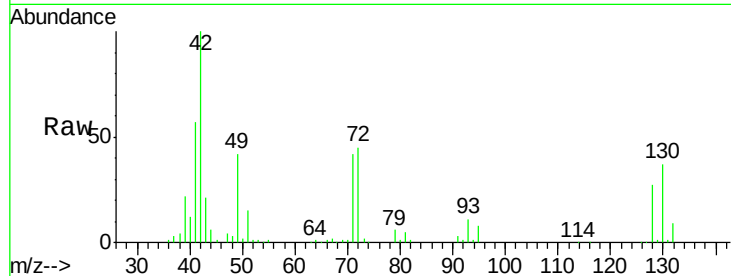
#29
Tetrahydrofuran
Concen: 114.986 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.6	53.4
71	41.8	33.8	50.8

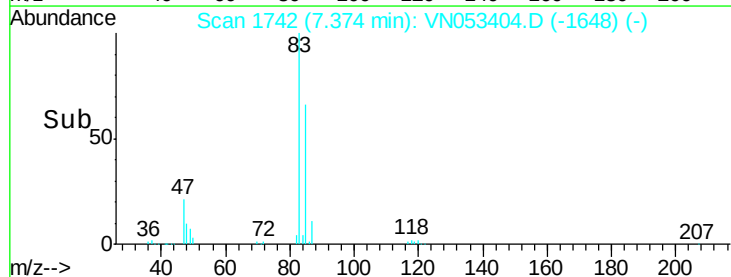
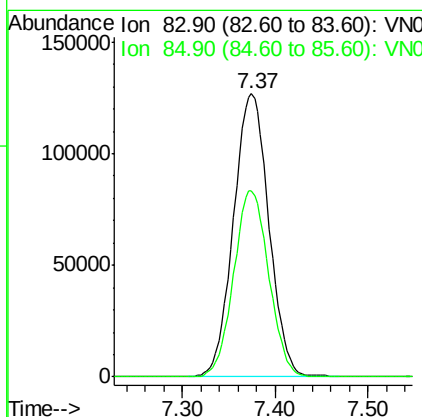
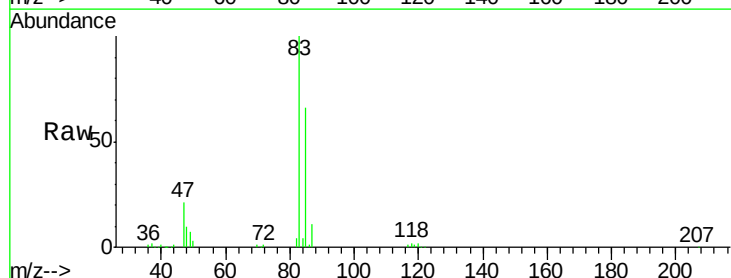
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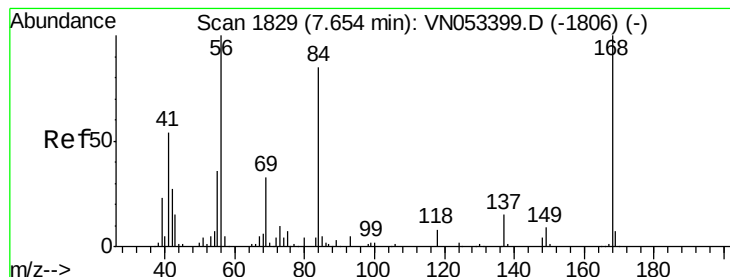
MMDadoda
1/16/2019 9:51:25 AM



#30
Chloroform
Concen: 21.046 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.3	76.9





#31

Cyclohexane

Concen: 20.234 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

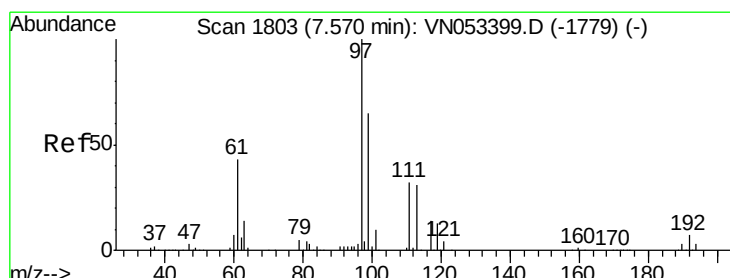
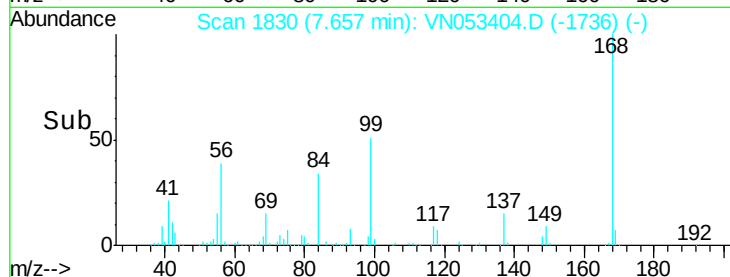
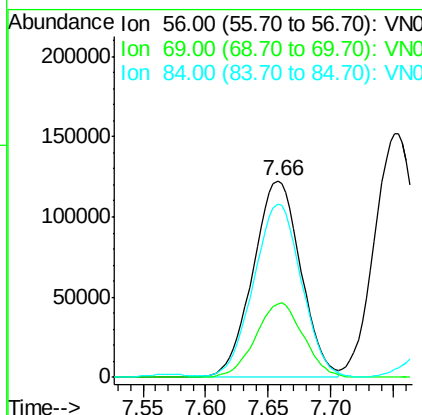
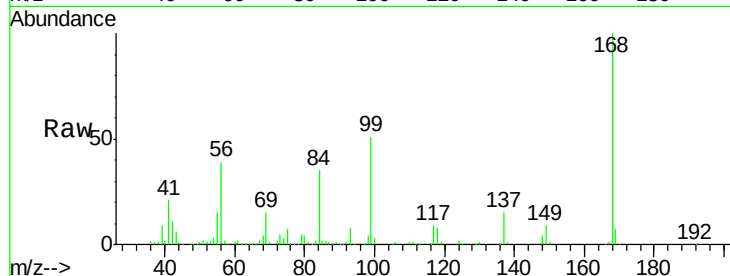
ClientSampleId :

VN0115WBS01

Tot Ion:	56	Resp:	324744
Ion	Ratio	Lower	Upper
56	100		
69	37.6	26.7	40.1
84	87.5	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.806 ug/l

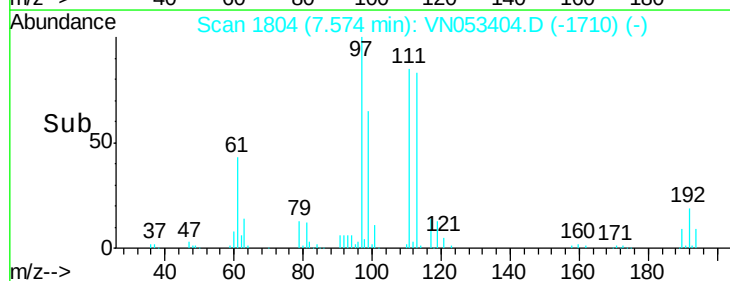
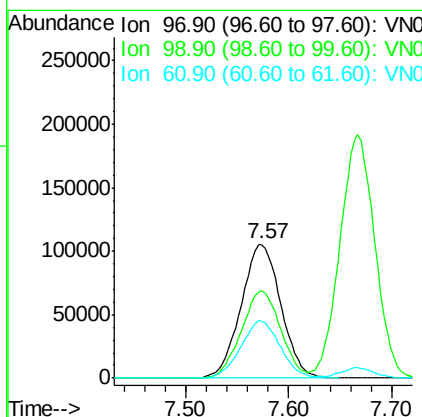
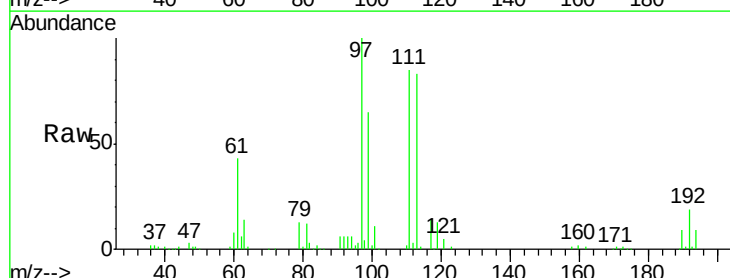
RT: 7.57 min Scan# 1804

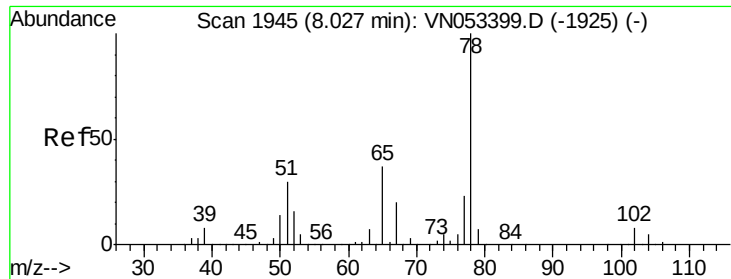
Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion:	97	Resp:	281741
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	42.4	34.6	52.0





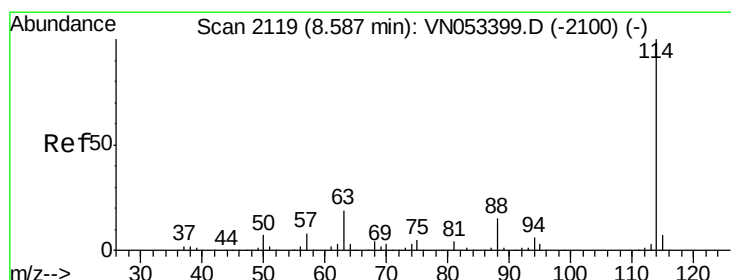
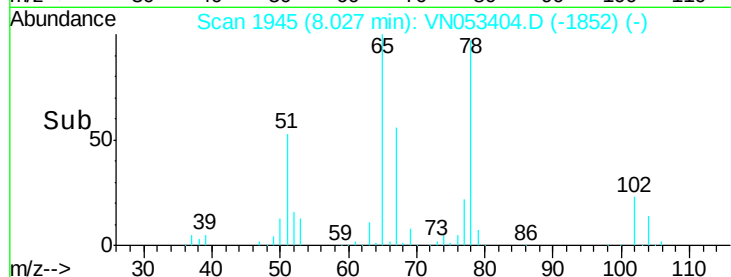
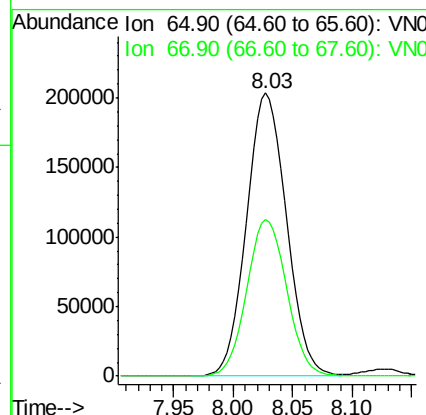
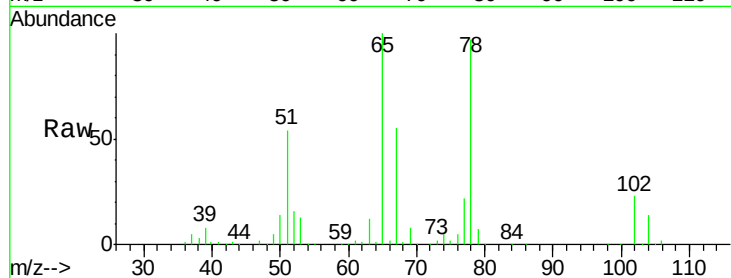
#33
 1,2-Dichloroethane-d4
 Concen: 20.806 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	474003		
67	55.5	0.0	111.0	

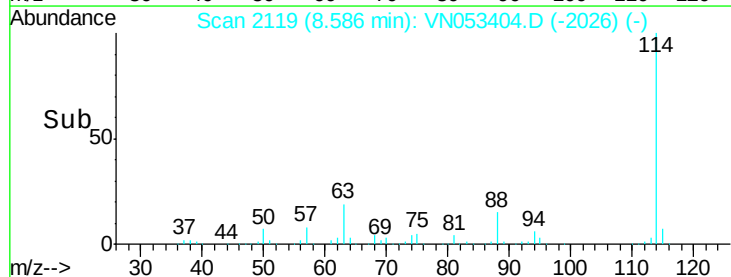
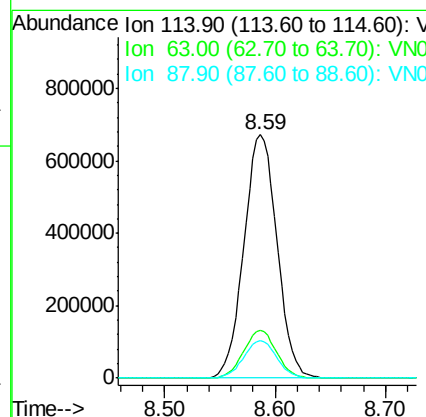
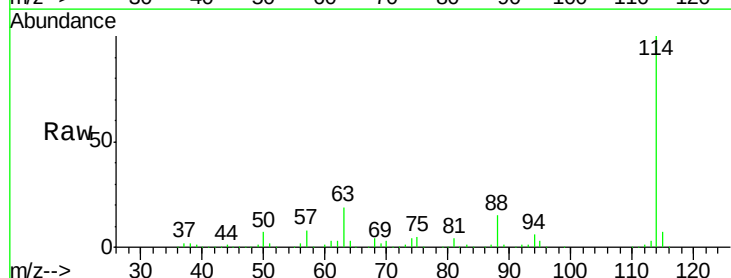
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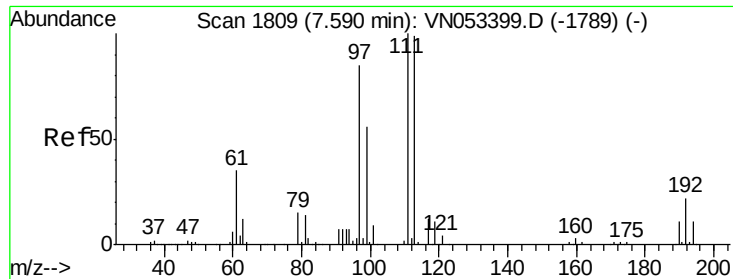
MMDadoda
 1/16/2019 9:51:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1396522		
63	19.4	0.0	39.0	
88	15.3	0.0	30.8	





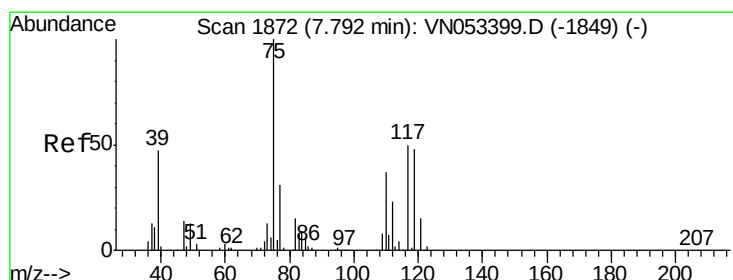
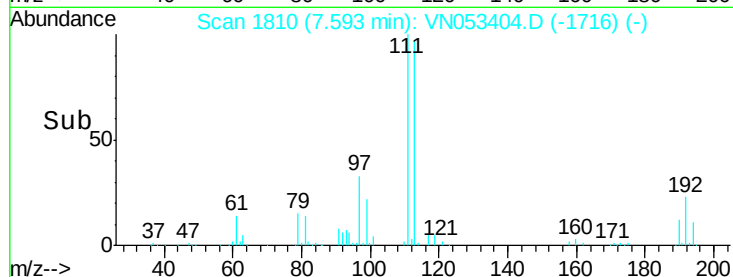
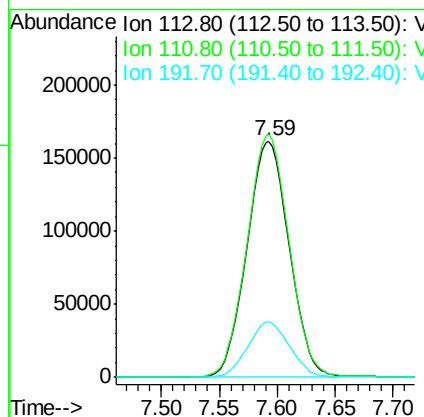
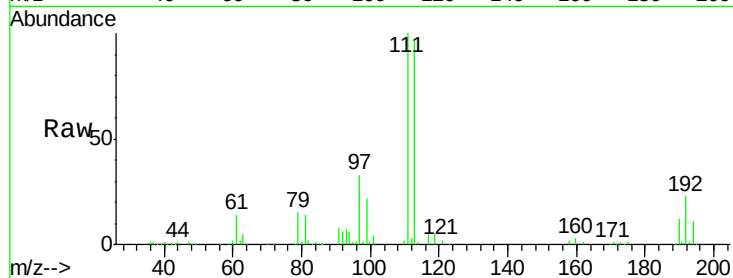
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	81.4	122.2	
192	23.3	17.9	26.9	

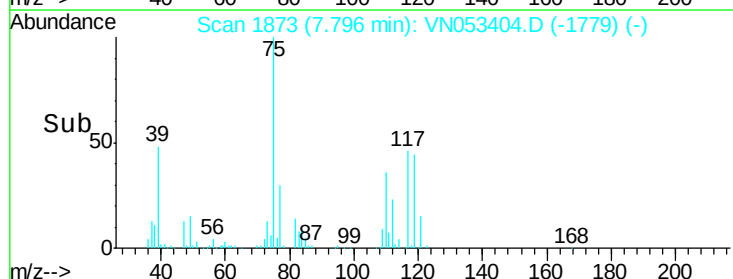
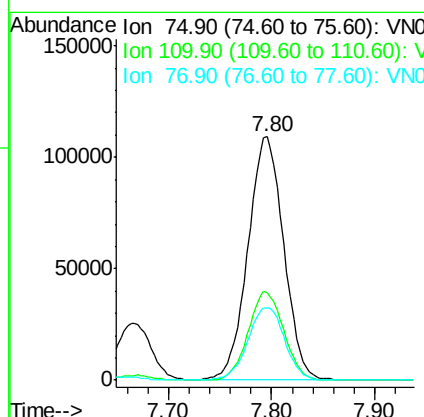
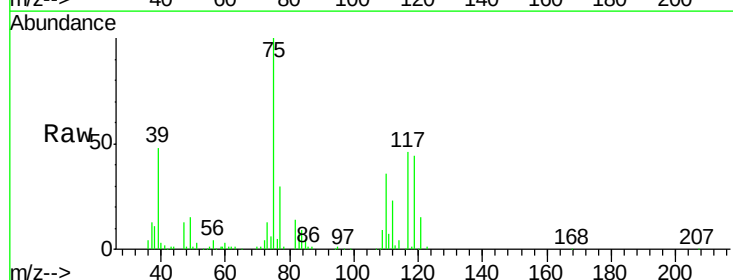
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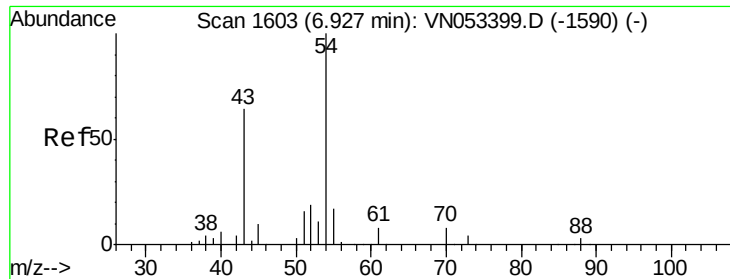
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#36
 1,1-Dichloropropene
 Concen: 20.583 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.4	55.0	
77	30.8	25.3	37.9	





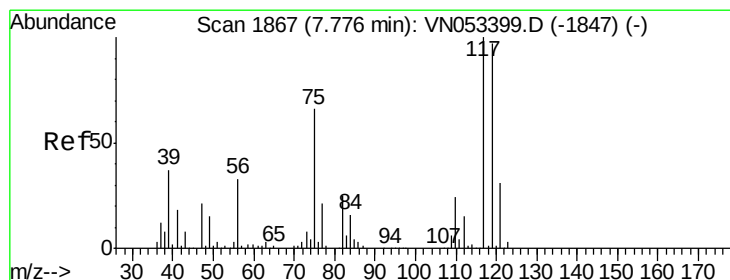
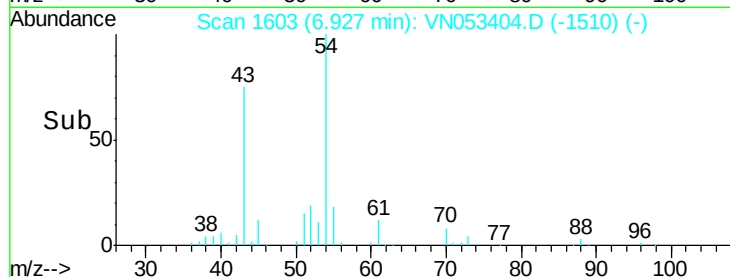
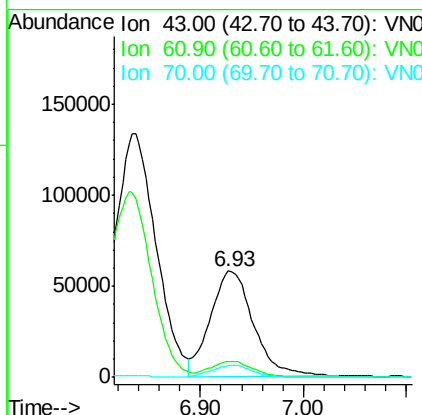
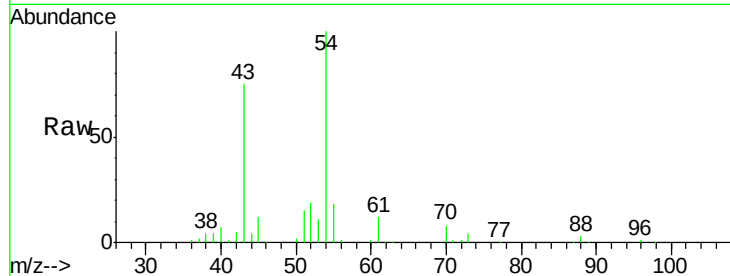
#37
Ethyl Acetate
Concen: 22.806 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	11.3	8.6	13.0

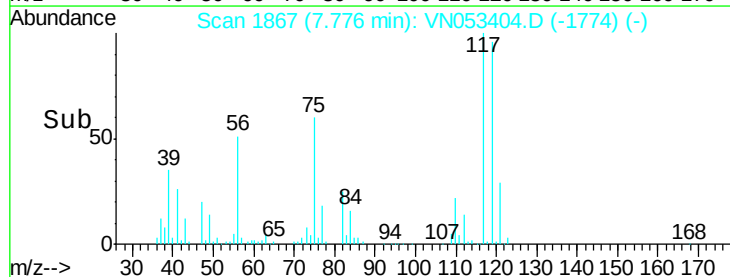
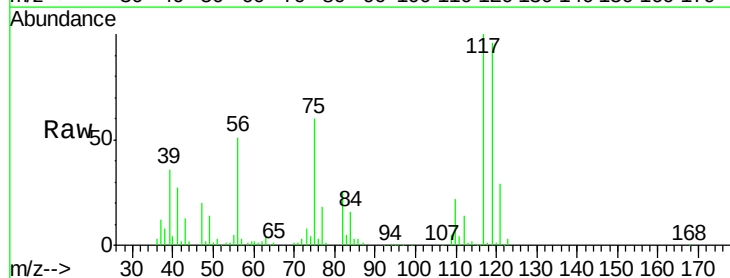
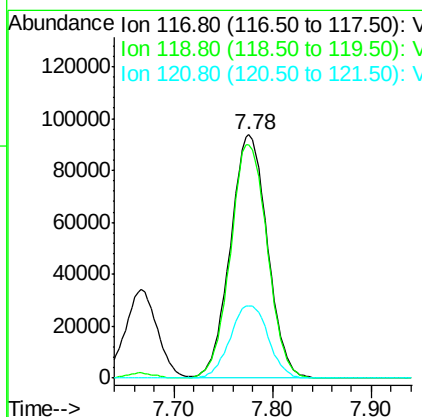
Manual Integrations
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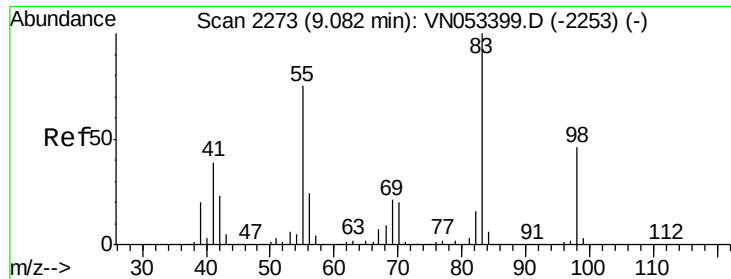
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#38
Carbon Tetrachloride
Concen: 20.351 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	29.4	25.0	37.4





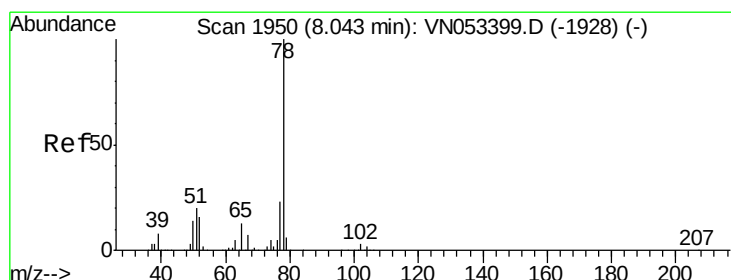
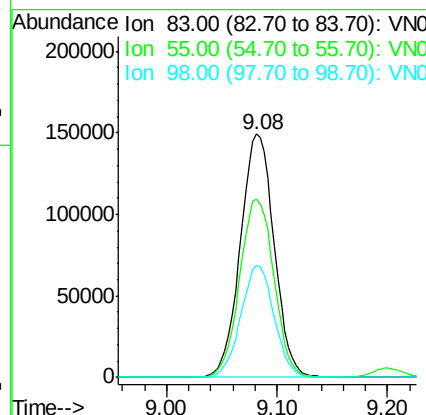
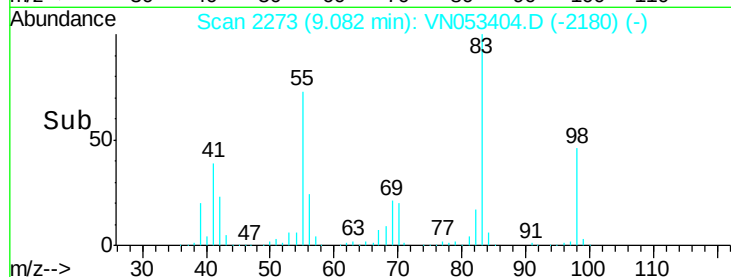
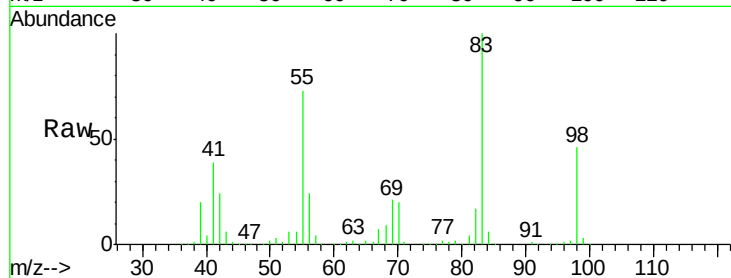
#39
Methylvlcyclohexane
Concen: 20.099 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.2	60.1	90.1	
98	46.0	36.7	55.1	

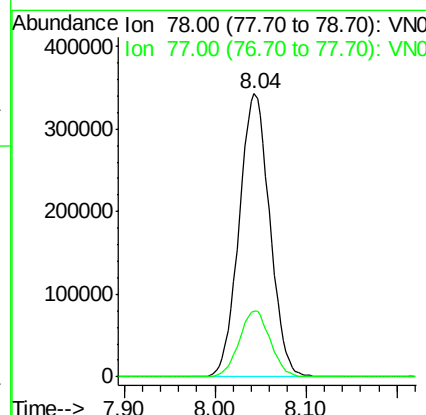
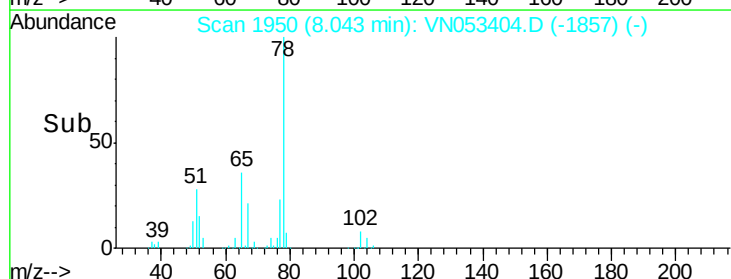
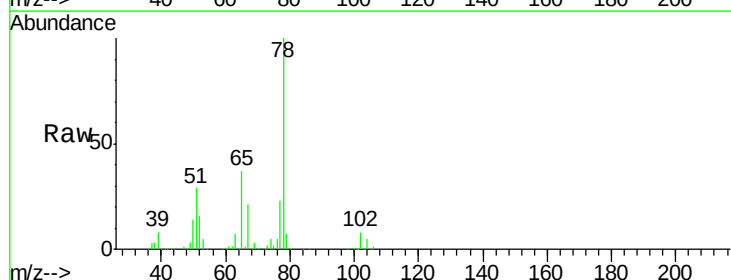
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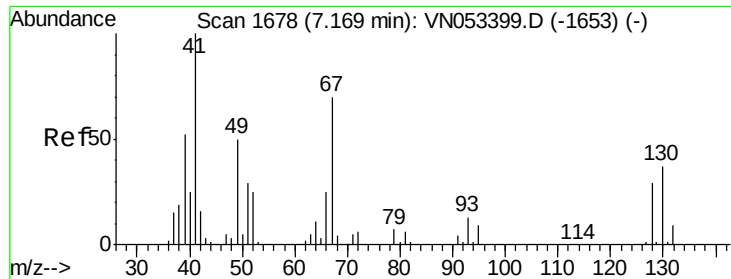
MMDadoda
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#40
Benzene
Concen: 20.748 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	19.0	28.4	





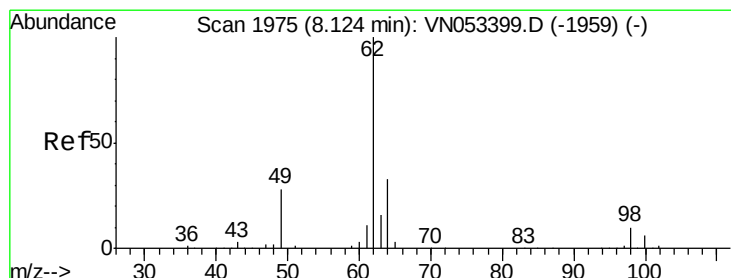
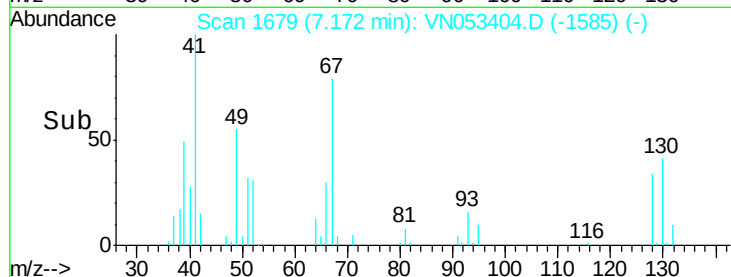
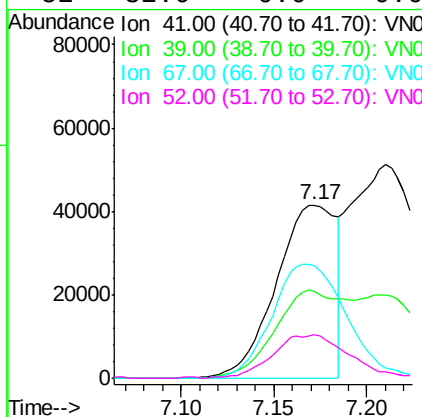
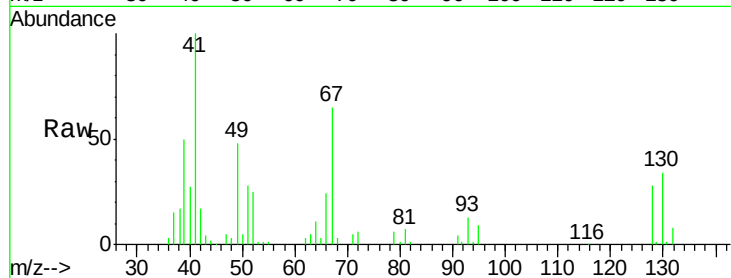
#41
Methacrylonitrile
Concen: 20.472 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	62.6	0.0	0.0#		
67	82.5	0.0	0.0#		
52	32.0	0.0	0.0#		

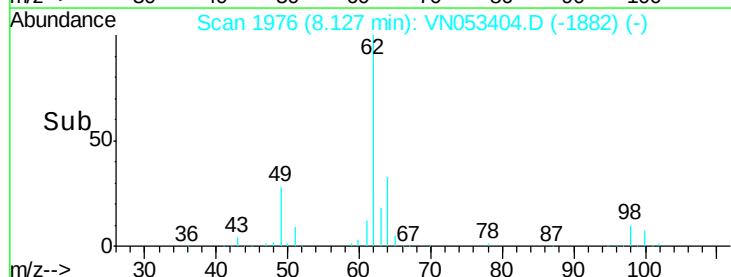
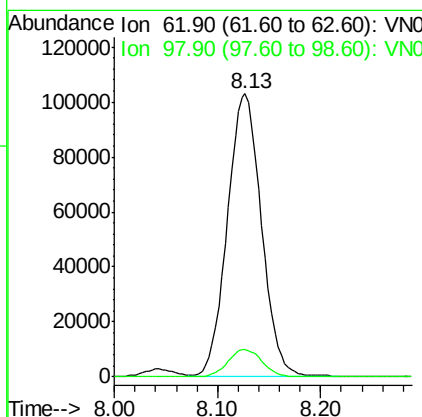
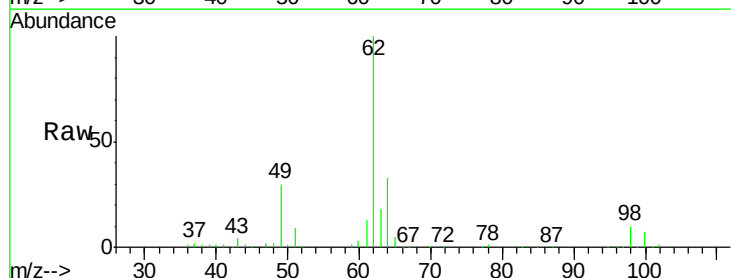
Manual Integrations
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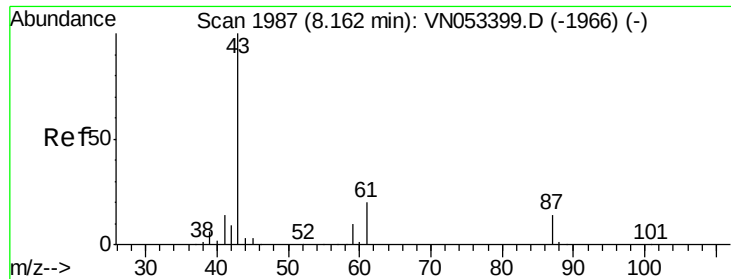
MMDadoda
1/16/2019 9:51:25 AM



#42
1,2-Dichloroethane
Concen: 21.005 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.7	0.0	20.2		





#43

Isopropyl Acetate

Concen: 22.027 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

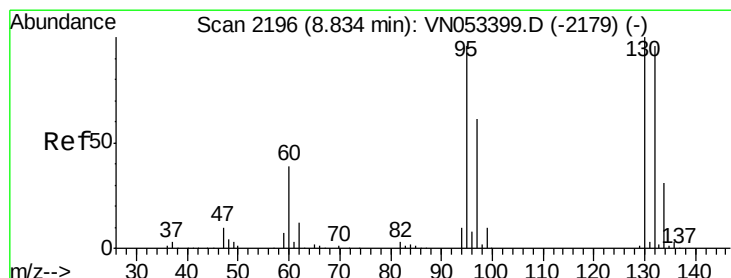
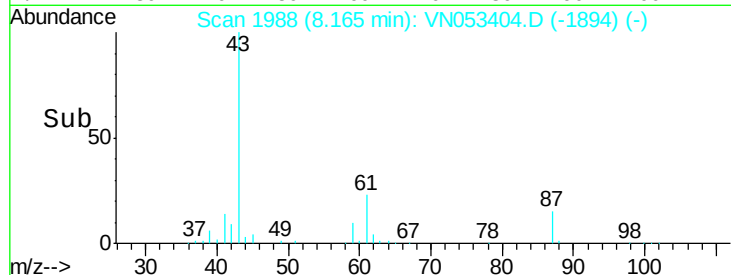
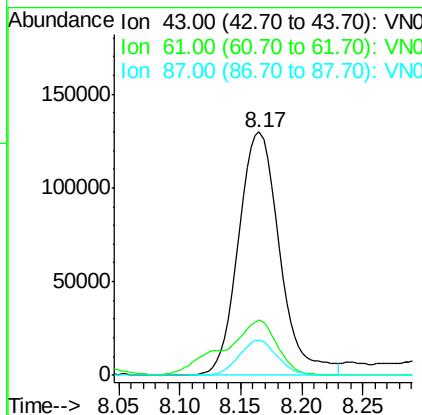
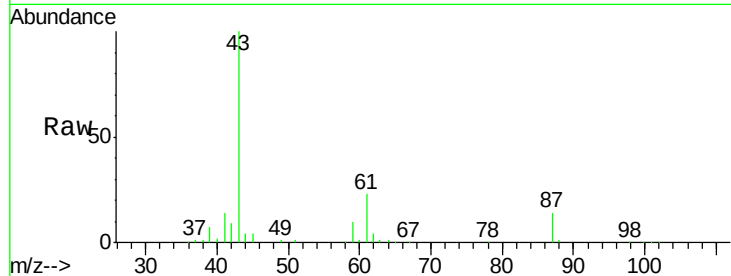
ClientSampleId :

VN0115WBS01

Tot Ion:	43	Resp:	302619
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.3	34.9
87	13.4	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.613 ug/l

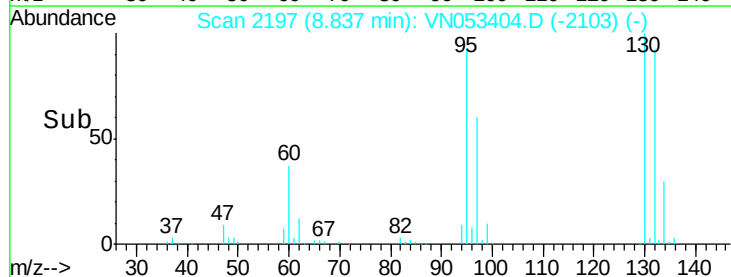
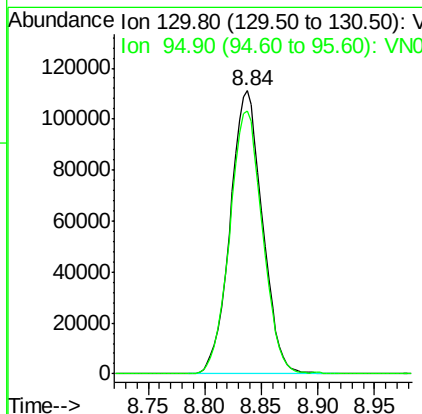
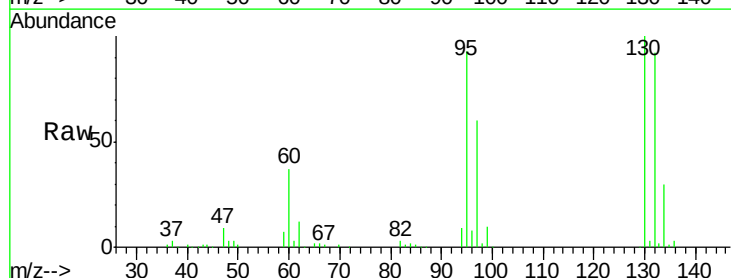
RT: 8.84 min Scan# 2197

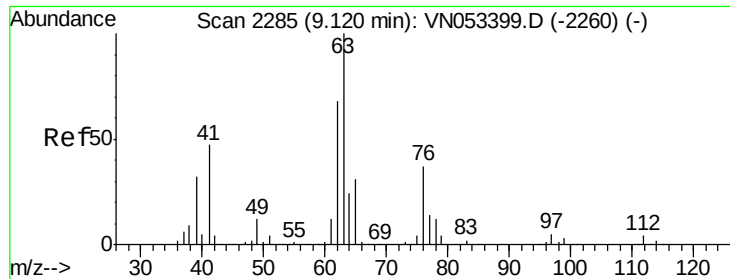
Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion:	130	Resp:	220931
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	191.8





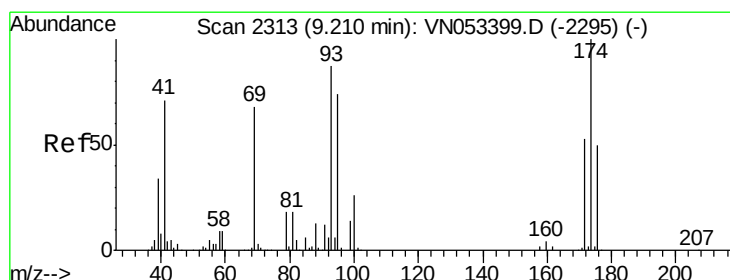
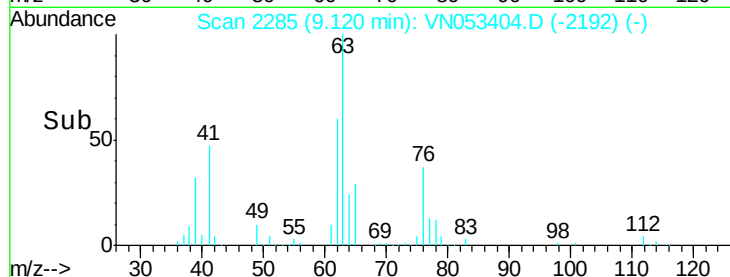
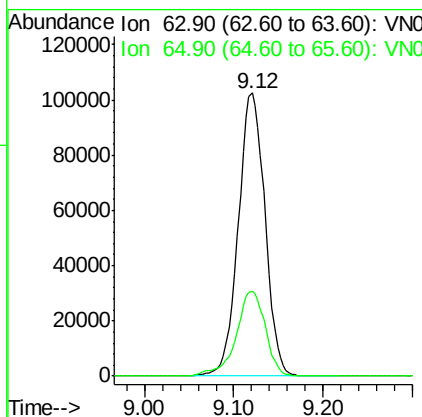
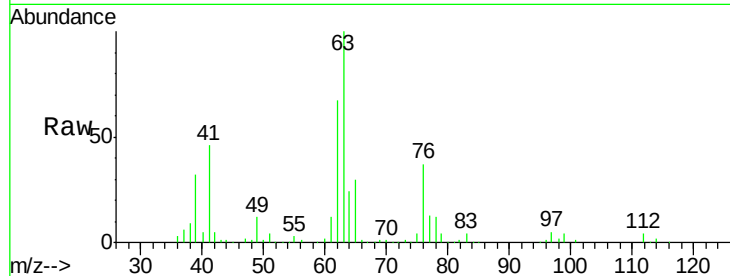
#45
 1,2-Dichloropropane
 Concen: 20.770 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion: 63 Resp: 212622
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6

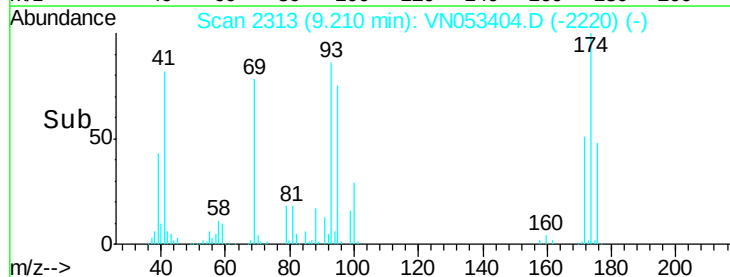
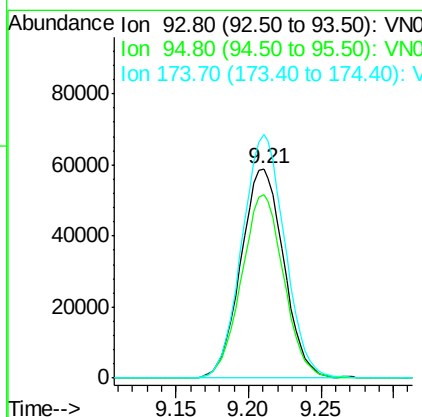
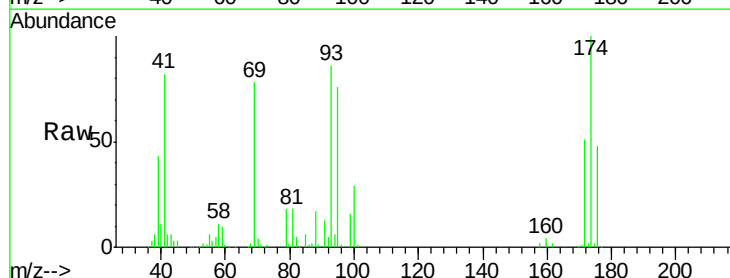
Manual Integrations
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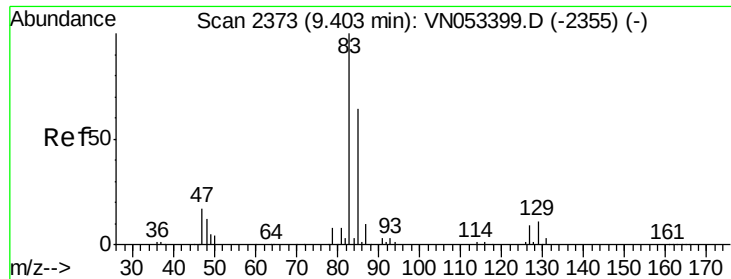
MMDadoda
 1/16/2019 9:51:25 AM



#46
 Dibromomethane
 Concen: 20.607 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion: 93 Resp: 121201
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.6 100.0
 174 116.5 91.4 137.0





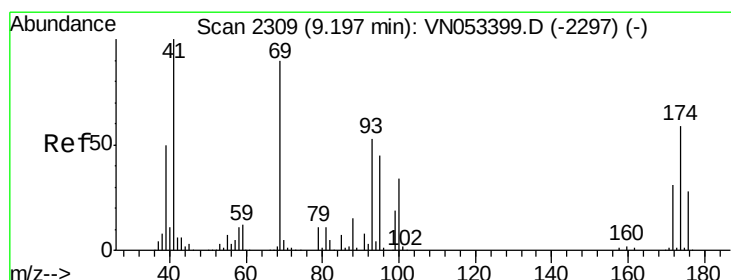
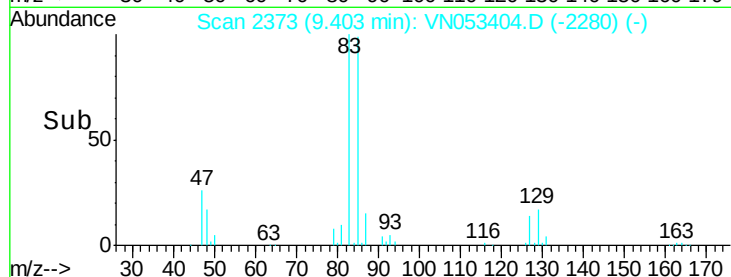
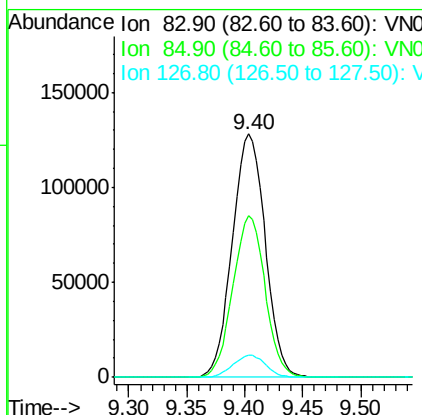
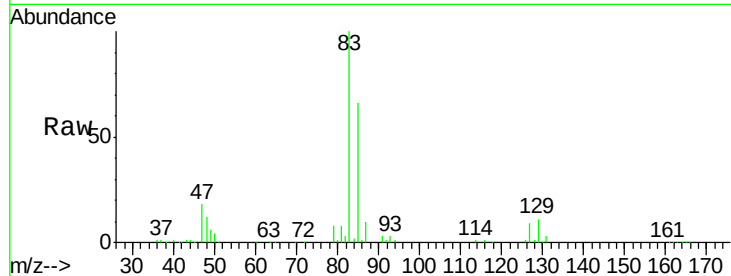
#47
Bromodichloromethane
Concen: 20.459 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	83	Resp	253044
Ion Ratio	100		
85	66.3	51.7	77.5
127	9.0	7.0	10.6

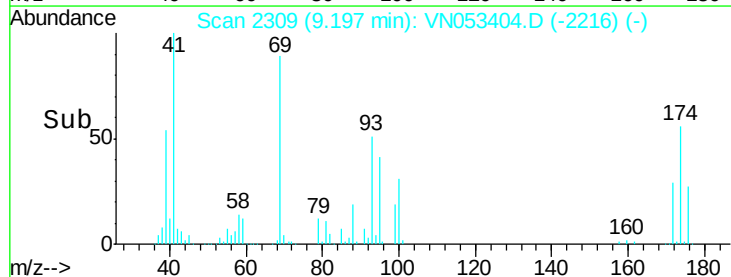
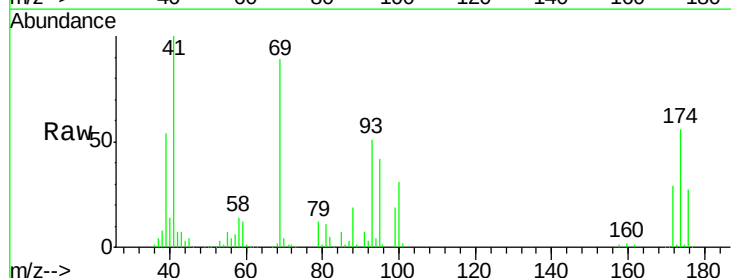
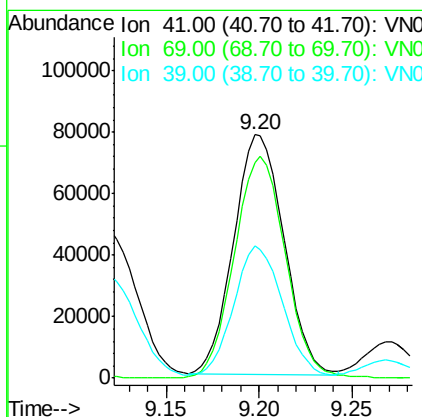
Manual Integrations
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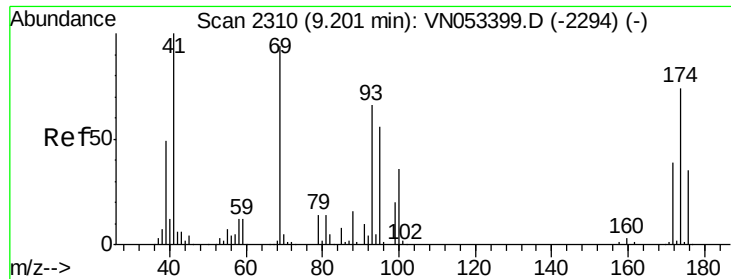
MMDadoda
1/16/2019 9:51:25 AM



#48
Methyl methacrylate
Concen: 21.605 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	41	Resp	146768
Ion Ratio	100		
69	94.5	73.5	110.3
39	54.3	41.6	62.4





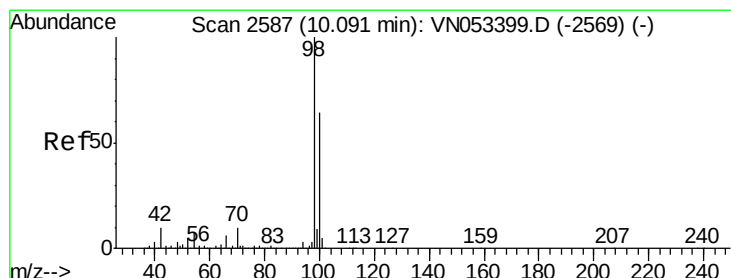
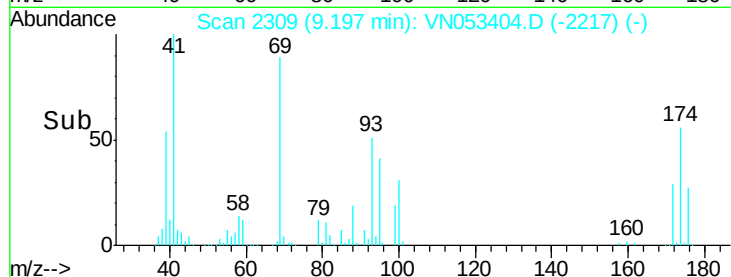
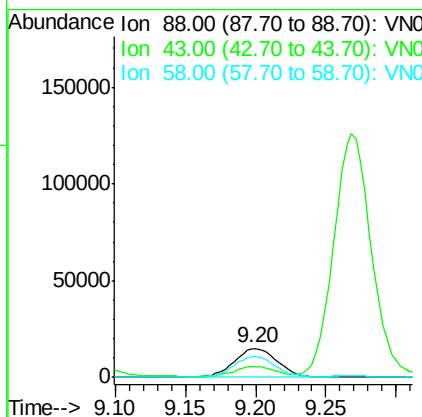
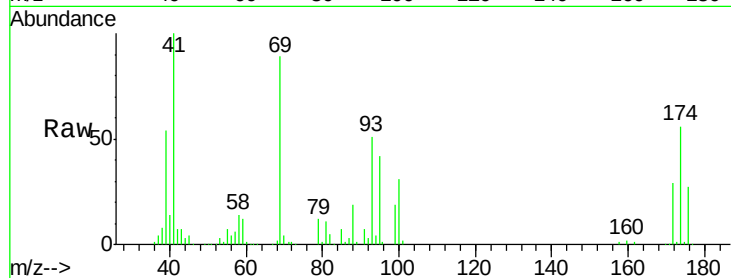
#49
 1,4-Dioxane
 Concen: 483.829 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion	88	Resp	32100
Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.2	39.4
58	70.4	55.5	83.3

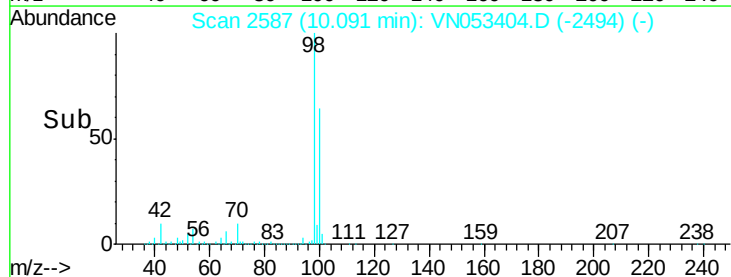
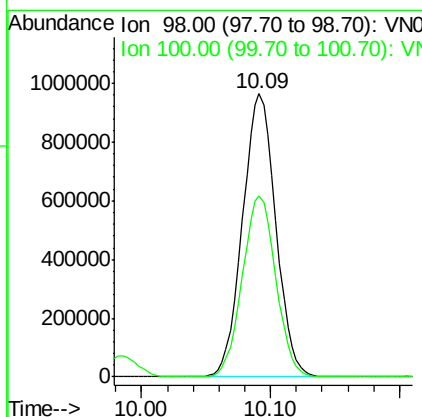
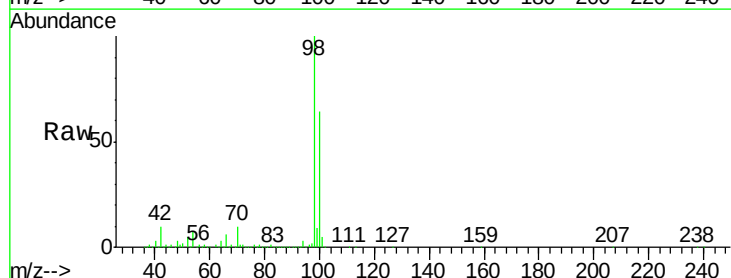
Manual Integrations
 APPROVED

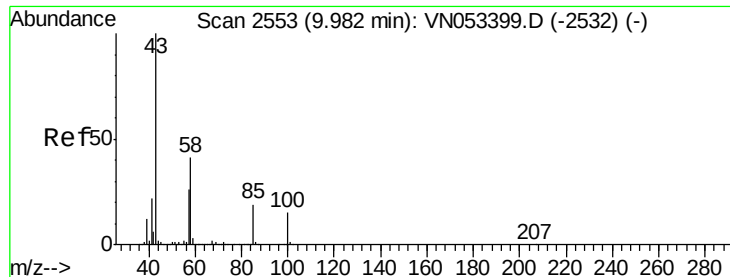
MMDadoda
 1/16/2019 9:51:25 AM



#50
 Toluene-d8
 Concen: 483.829 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion	98	Resp	1731408
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 117.117 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 43 Resp: 841189

Ion Ratio Lower Upper

43 100

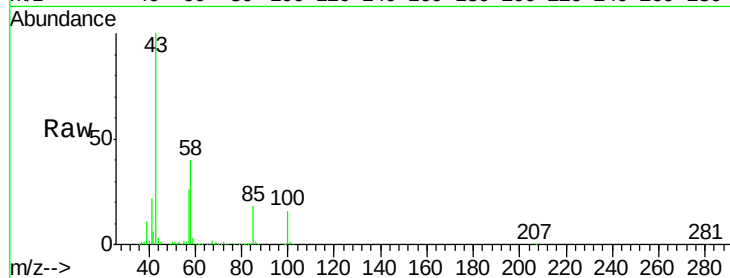
58 40.7 32.7 49.1

Manual Integrations

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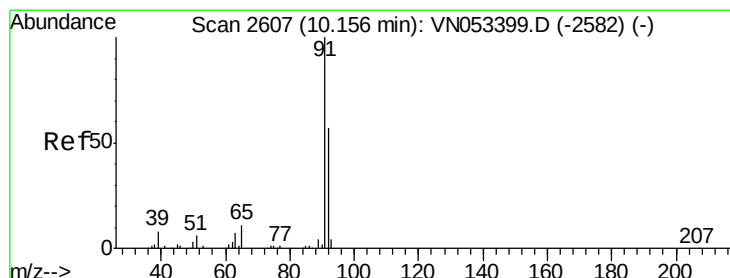
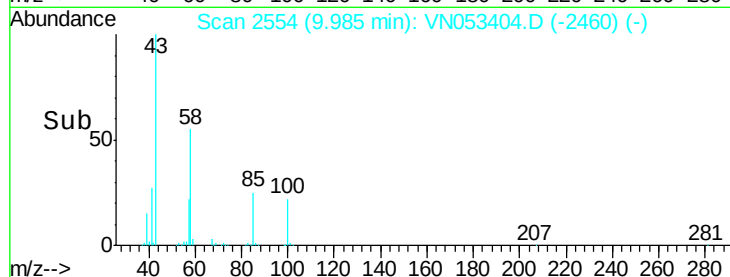
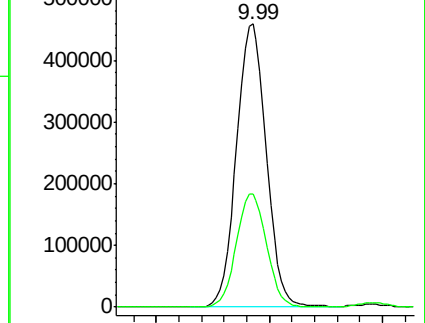
MMDadoda

1/16/2019 9:51:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.664 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053404.D

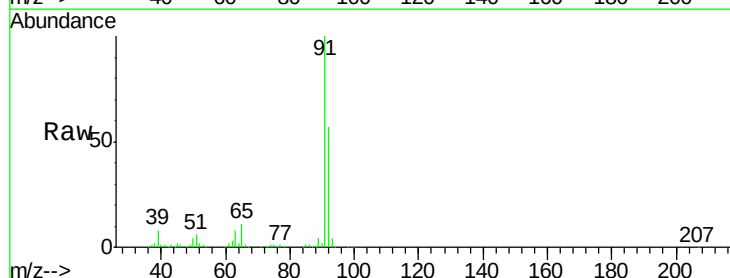
Acq: 15 Jan 2019 13:33

Tgt Ion: 92 Resp: 495810

Ion Ratio Lower Upper

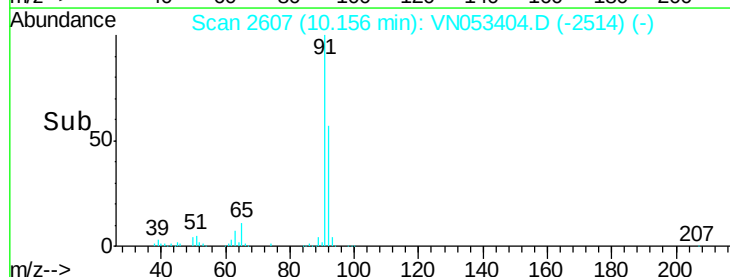
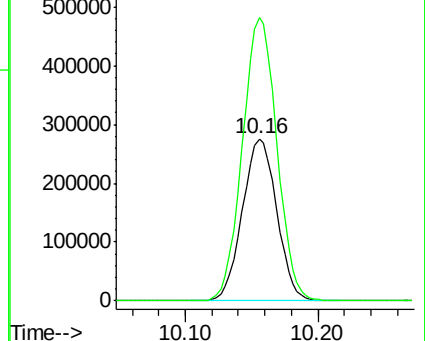
92 100

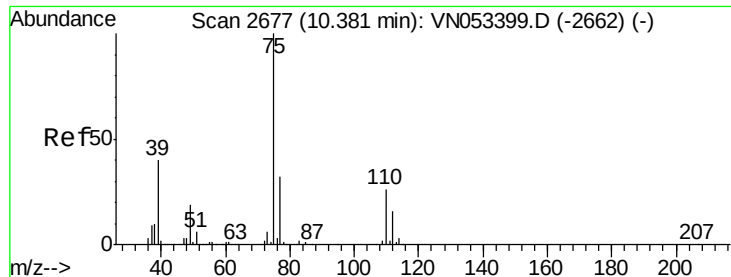
91 175.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





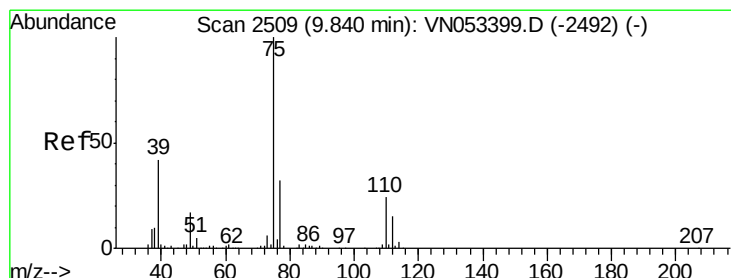
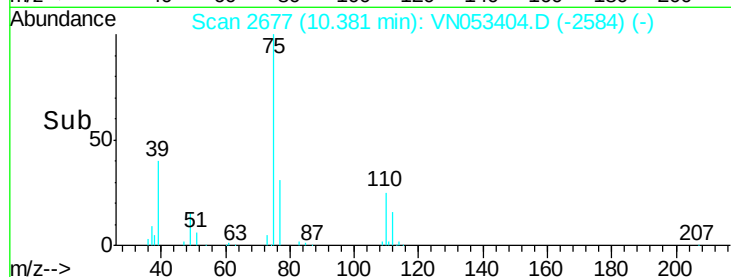
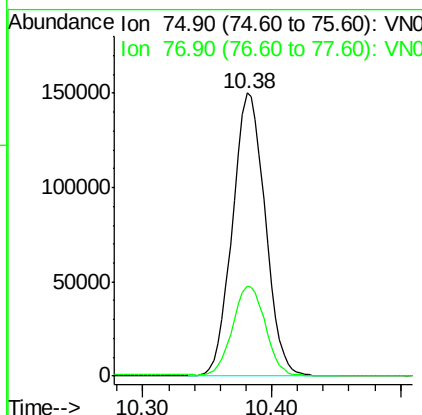
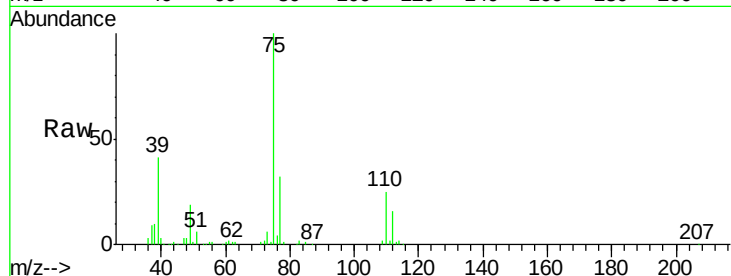
#53
t-1,3-Dichloropropene
Concen: 21.130 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion: 75 Resp: 264899
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4

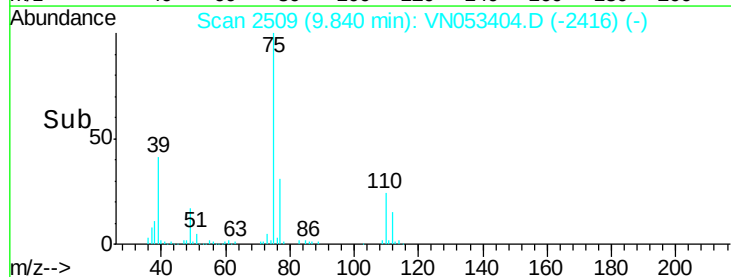
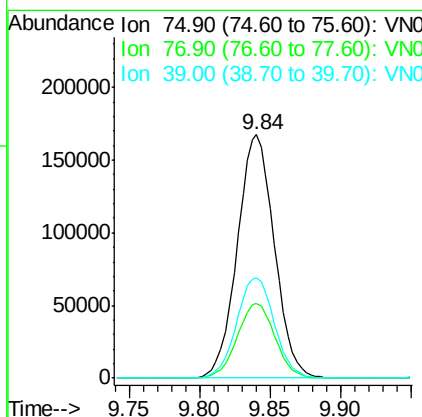
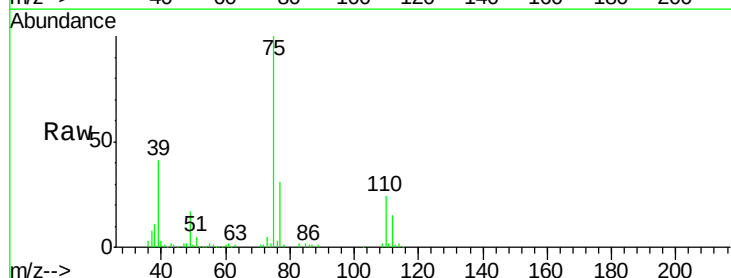
Manual Integrations
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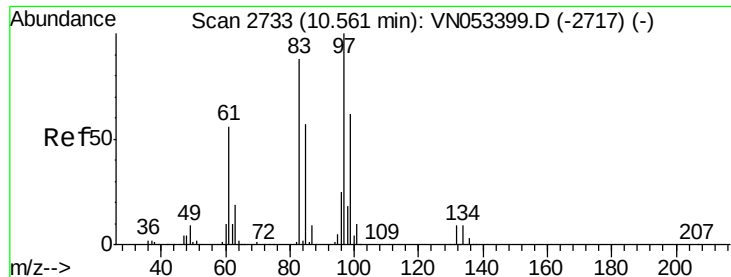
MMDadoda
1/16/2019 9:51:25 AM



#54
cis-1,3-Dichloropropene
Concen: 20.948 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion: 75 Resp: 307863
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7
39 41.4 33.1 49.7





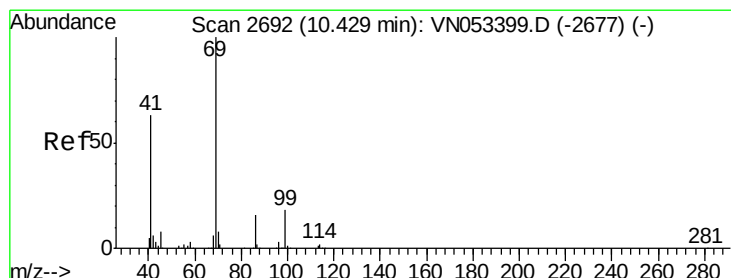
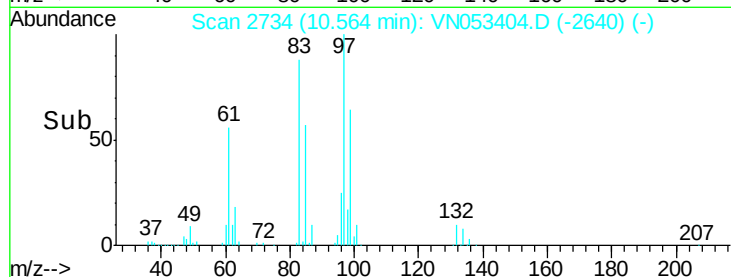
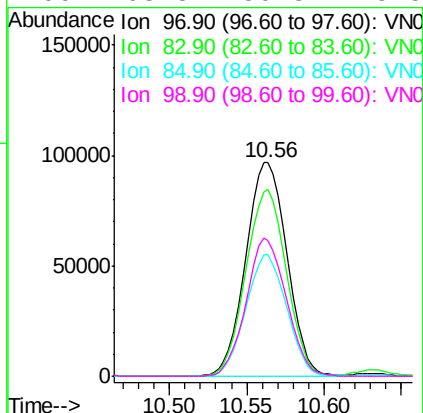
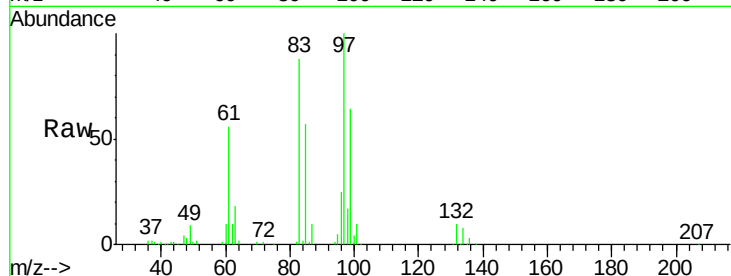
#55
 1,1,2-Trichloroethane
 Concen: 21.739 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion:	97	Resp:	179826
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.1	103.7
85	56.7	44.2	66.4
99	63.8	50.3	75.5

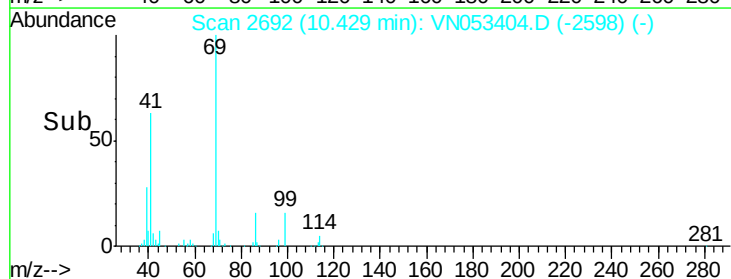
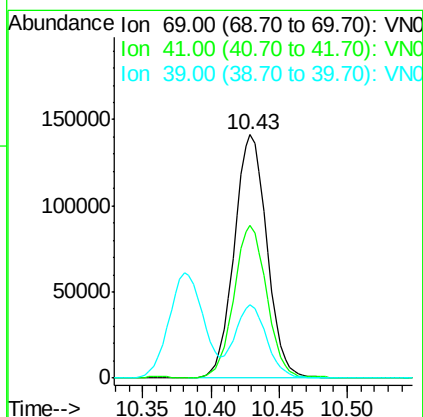
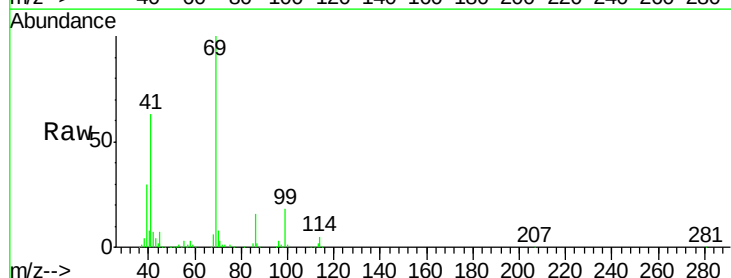
Manual Integrations
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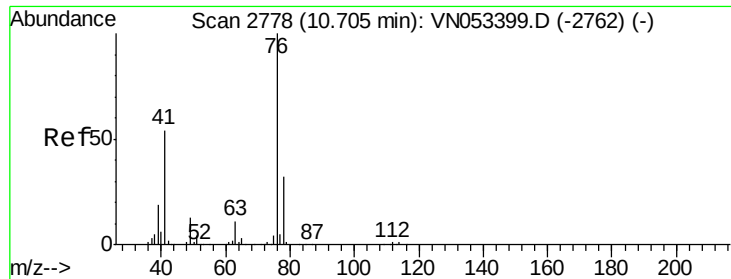
MMDadoda
 1/16/2019 9:51:25 AM



#56
 Ethyl methacrylate
 Concen: 21.269 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion:	69	Resp:	235216
Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.2	73.8
39	29.5	23.4	35.0





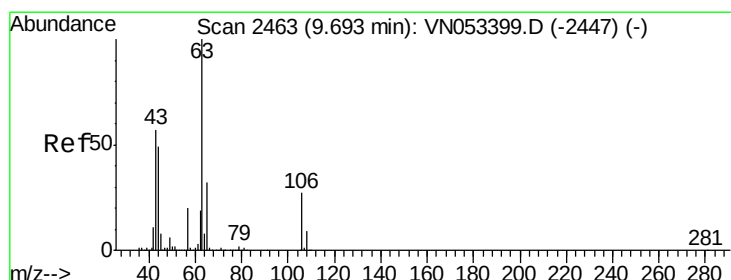
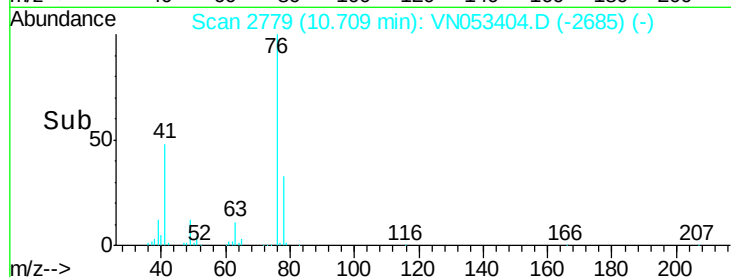
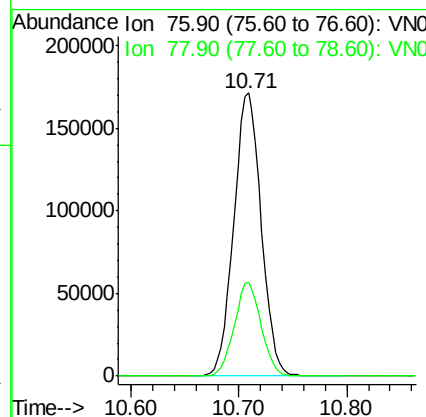
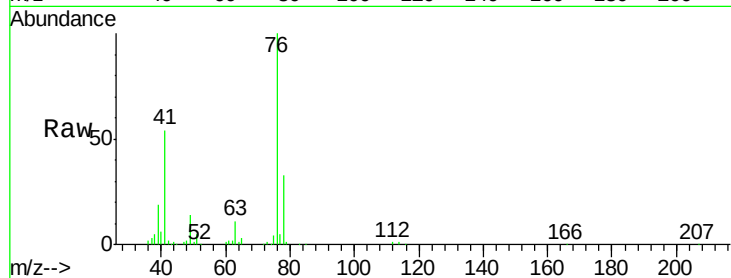
#57
 1,3-Dichloropropane
 Concen: 21.226 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

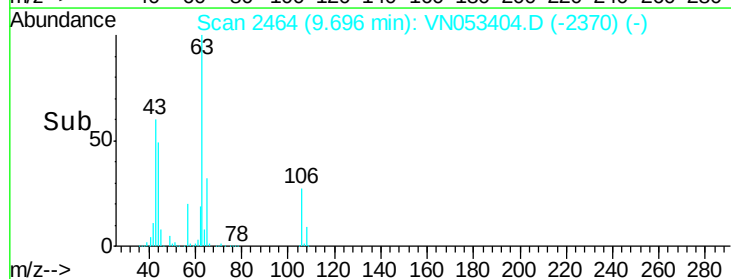
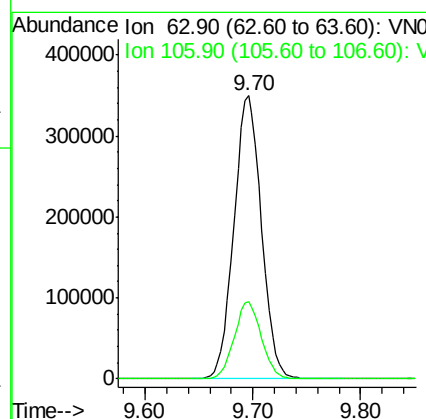
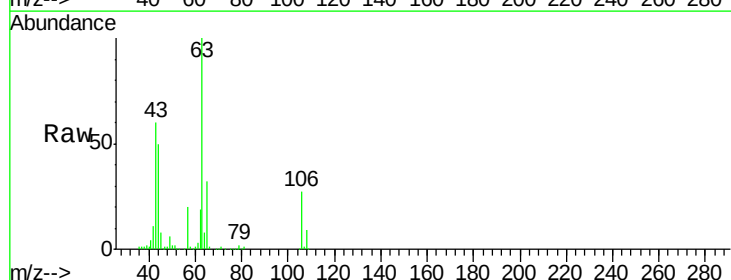
Manual Integrations
 APPROVED

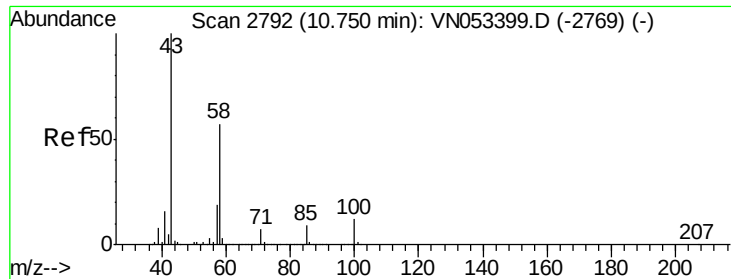
MMDadoda
 1/16/2019 9:51:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.293 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





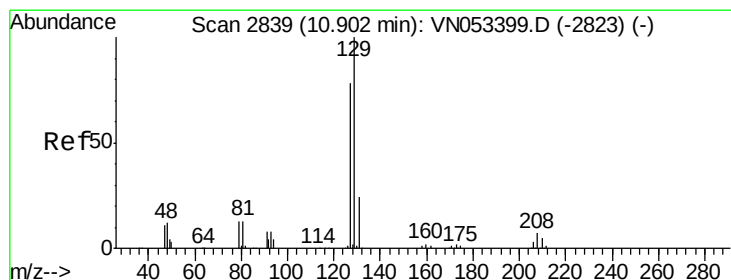
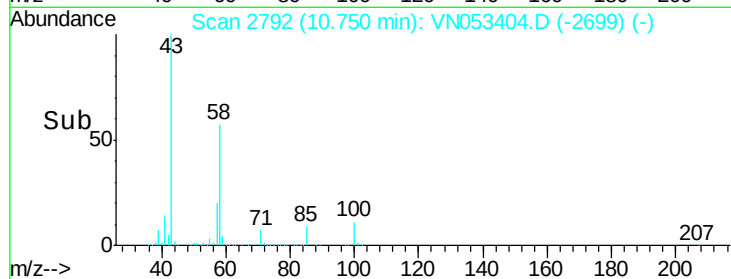
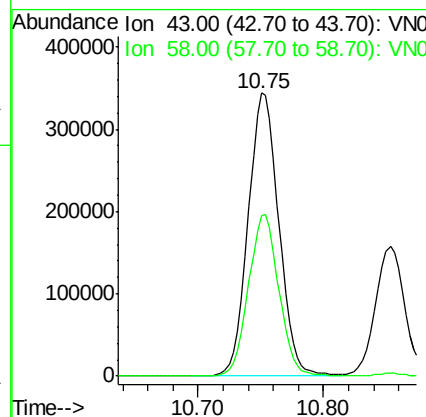
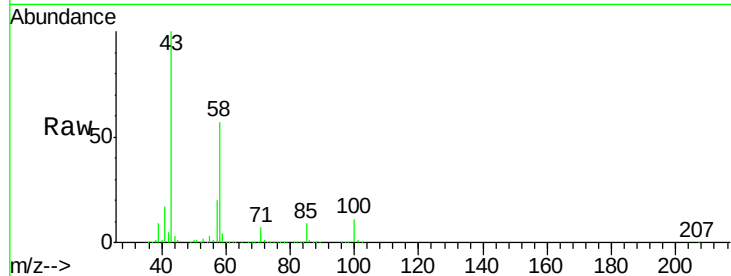
#59
2-Hexanone
Concen: 115.920 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	43	Resp	584466
Ion Ratio	43	100	
Lower	58	56.7	28.3
Upper			85.0

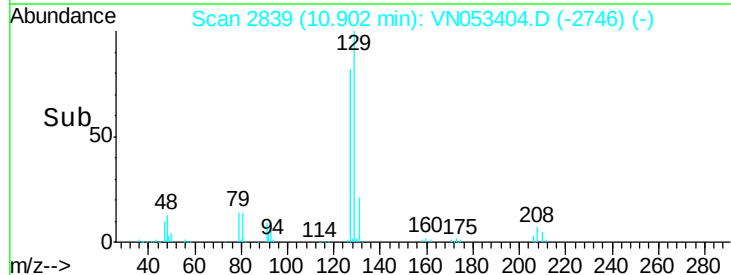
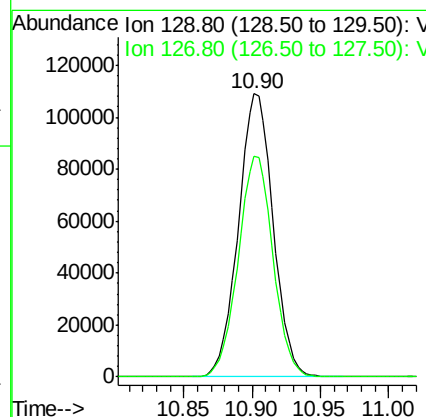
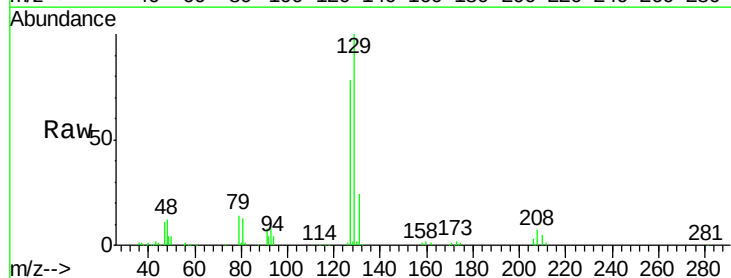
Manual Integrations
APPROVED

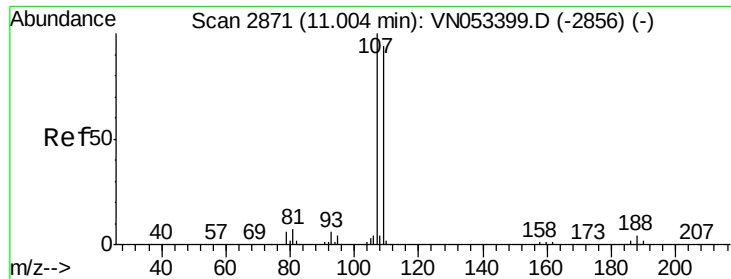
MMDadoda
1/16/2019 9:51:25 AM



#60
Dibromochloromethane
Concen: 20.507 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	129	Resp	192404
Ion Ratio	129	100	
Lower	127	78.0	38.4
Upper			115.2





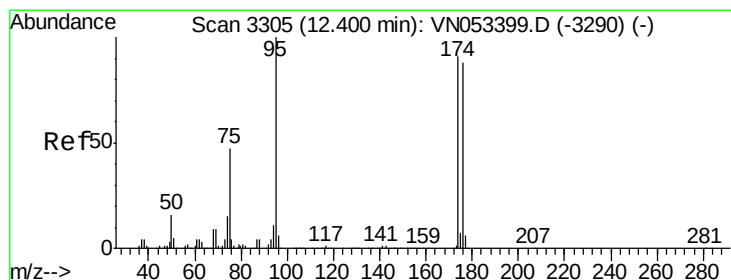
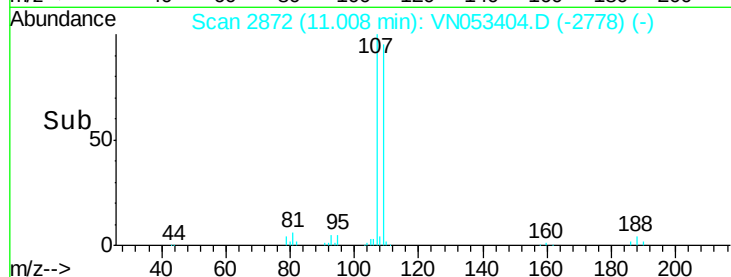
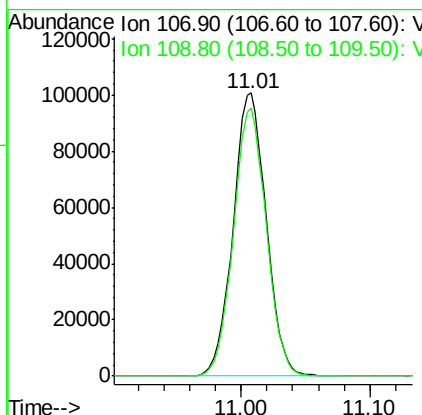
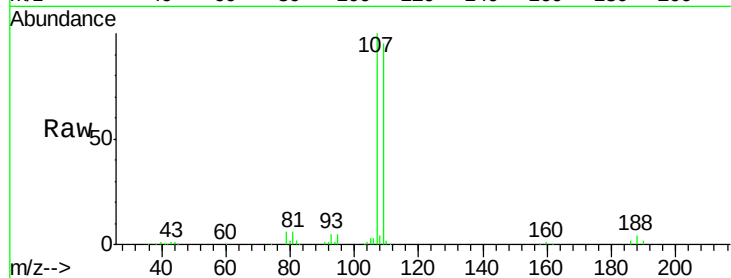
#61
 1,2-Dibromoethane
 Concen: 21.402 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

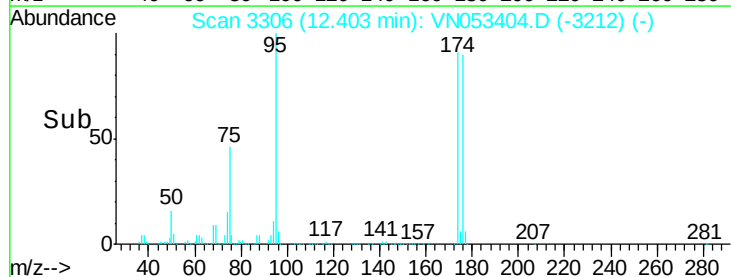
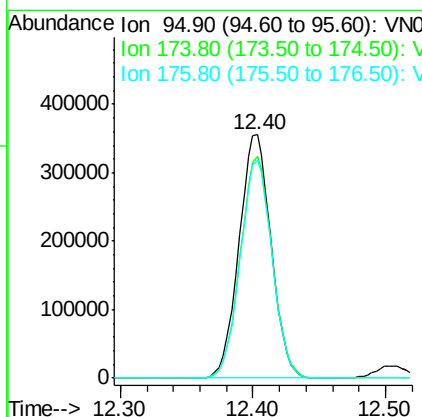
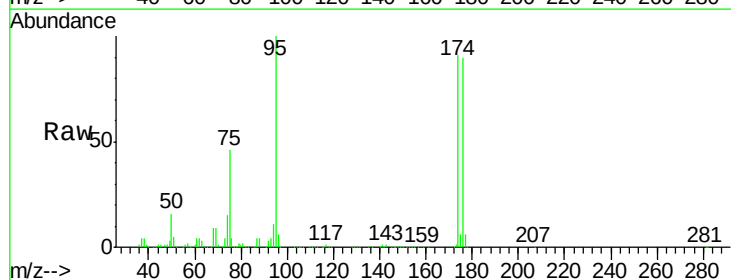
Manual Integrations
 APPROVED

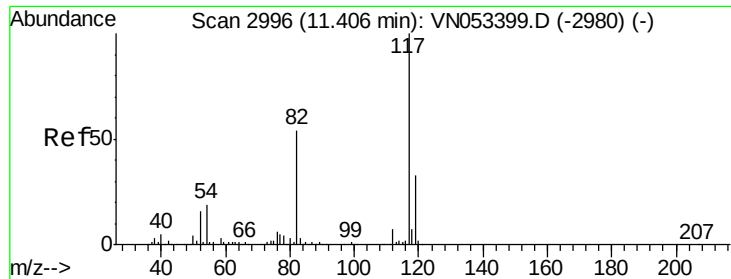
MMDadoda
 1/16/2019 9:51:25 AM



#62
 4-Bromofluorobenzene
 Concen: 21.402 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	180.4
176	88.9	0.0	175.6





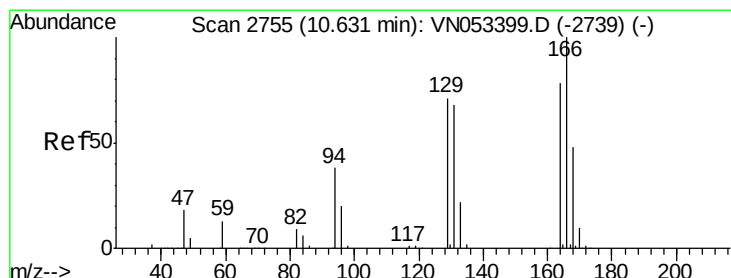
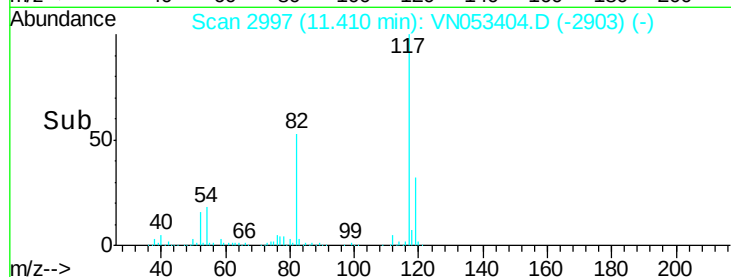
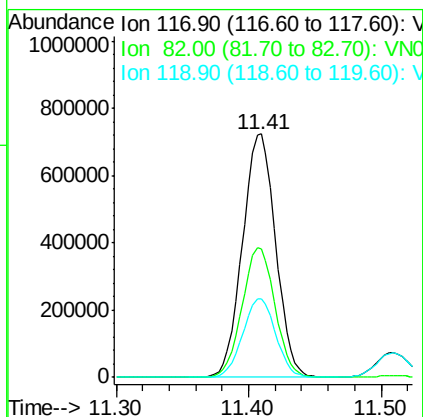
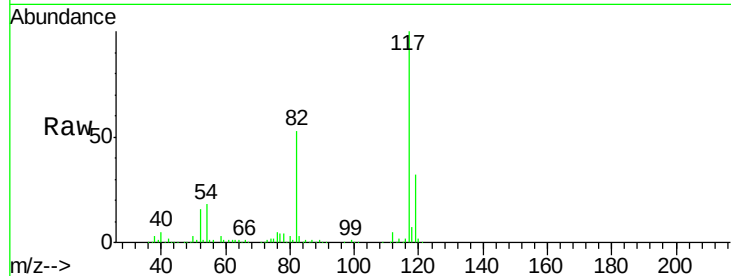
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.9	64.3
119	32.3	25.6	38.4

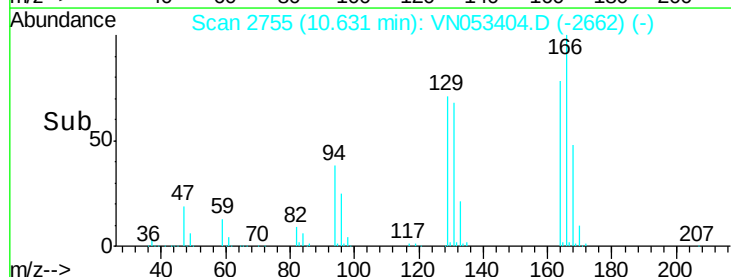
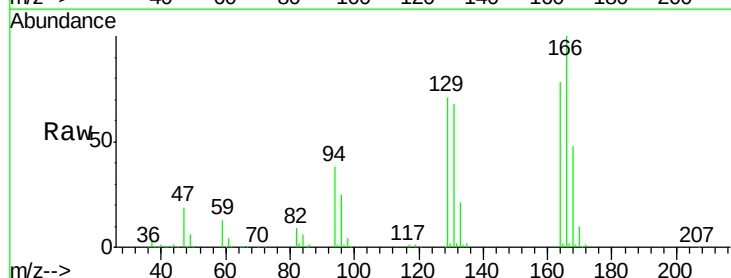
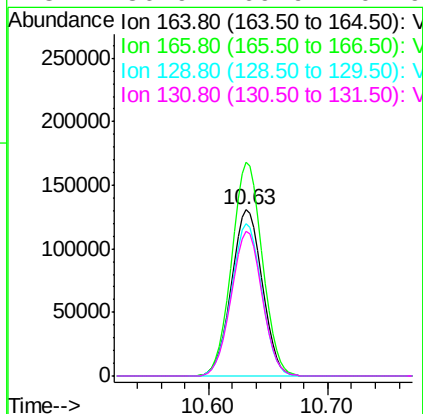
Manual Integrations
APPROVED

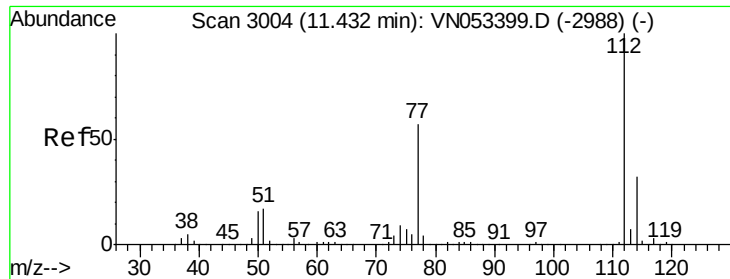
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#64
Tetrachloroethene
Concen: 19.805 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.7	152.5
129	91.8	72.1	108.1
131	86.9	69.9	104.9





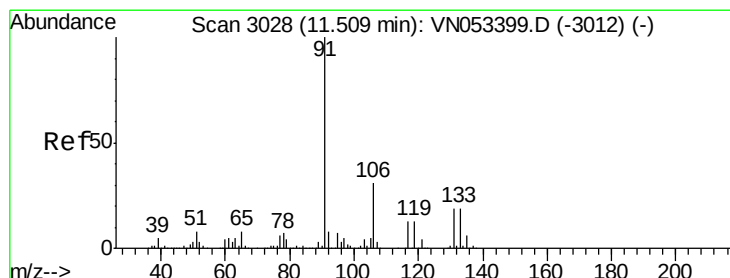
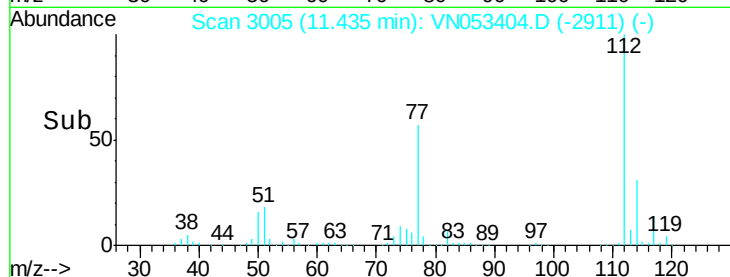
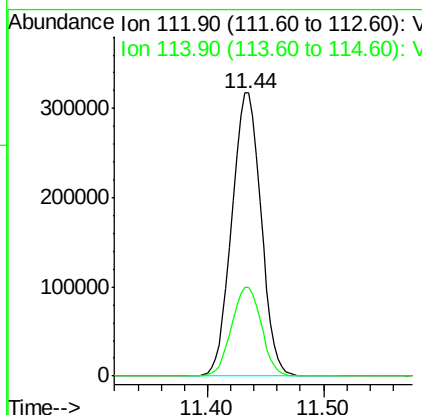
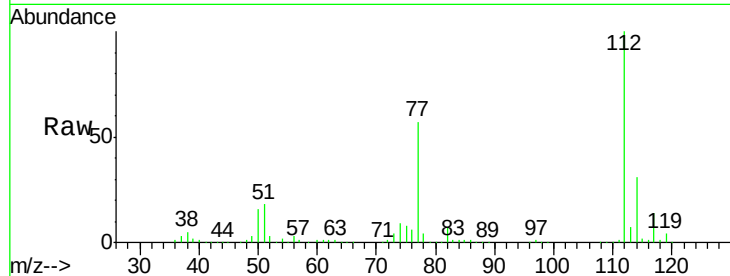
#65
Chlorobenzene
Concen: 20.726 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion:112 Resp: 551675
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4

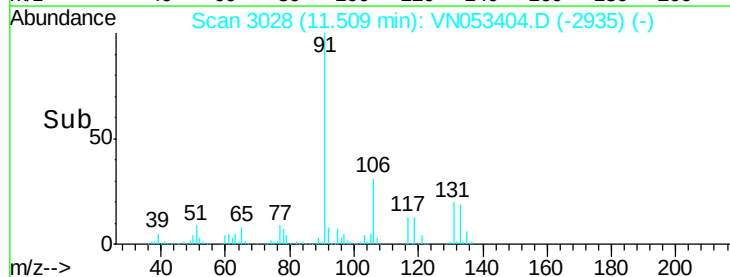
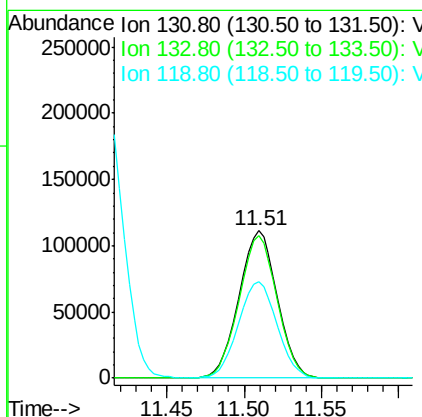
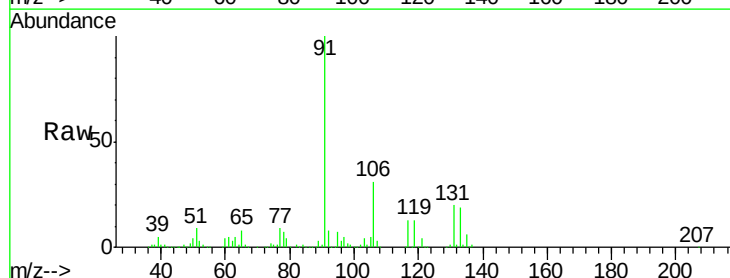
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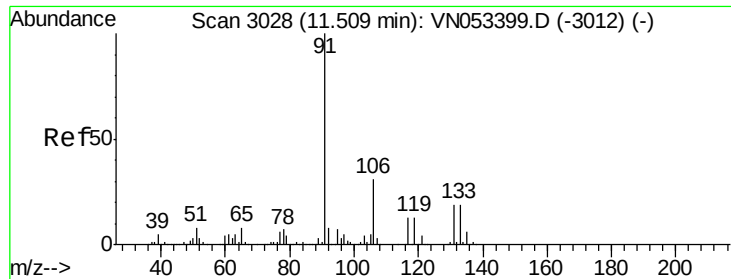
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.681 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion:131 Resp: 191505
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 66.2 33.3 99.9





#67

Ethyl Benzene

Concen: 20.821 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 91 Resp: 944507

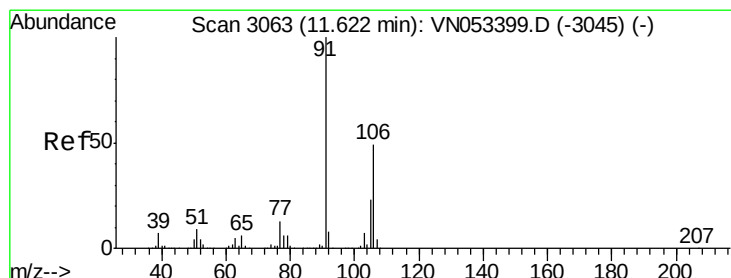
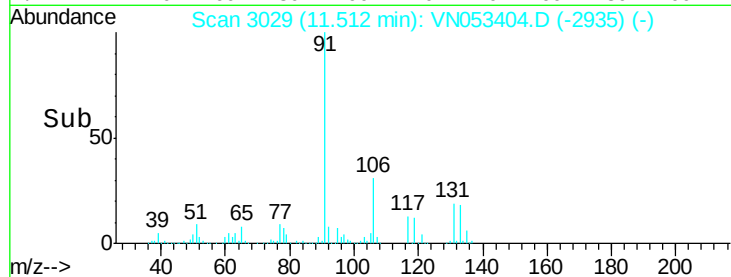
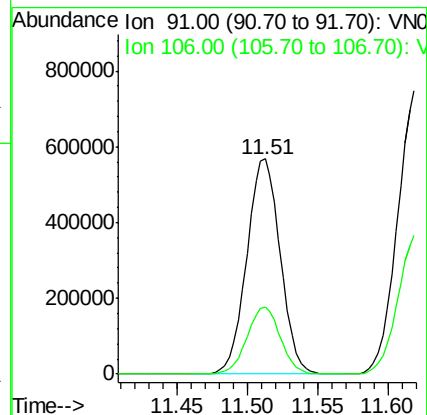
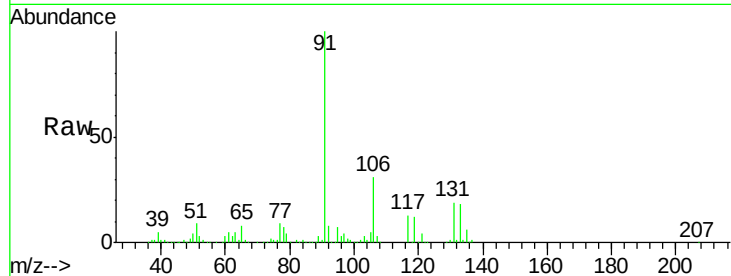
Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.034 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053404.D

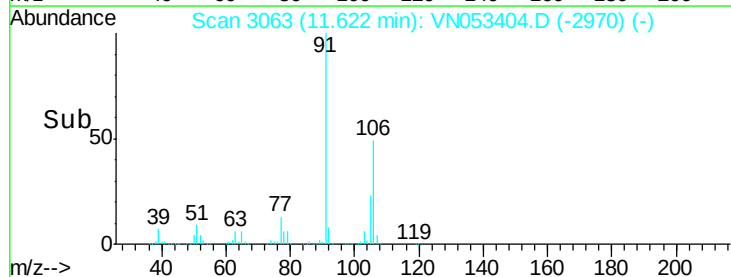
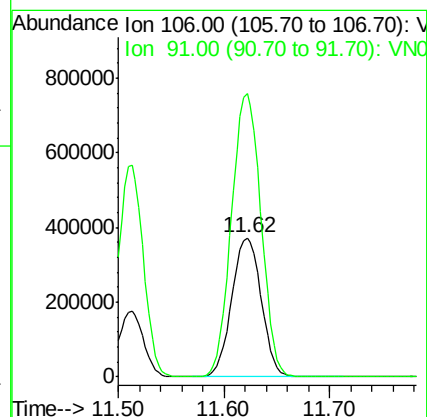
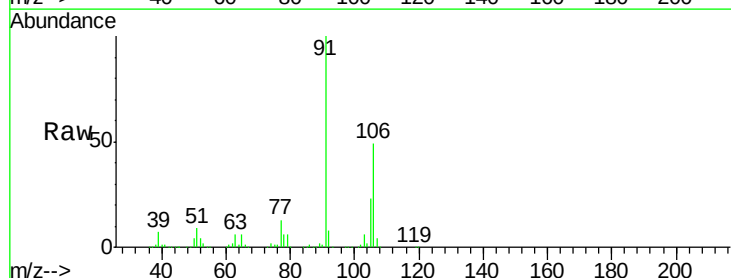
Acq: 15 Jan 2019 13:33

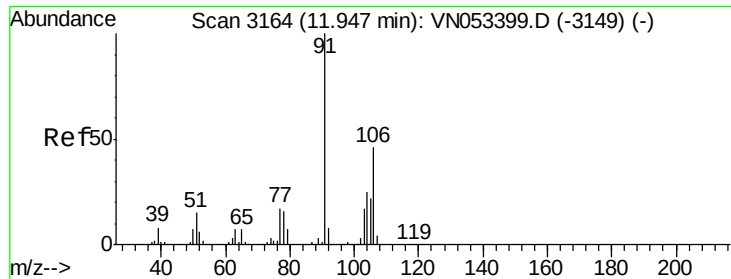
Tgt Ion: 106 Resp: 719906

Ion Ratio Lower Upper

106 100

91 203.5 161.4 242.2





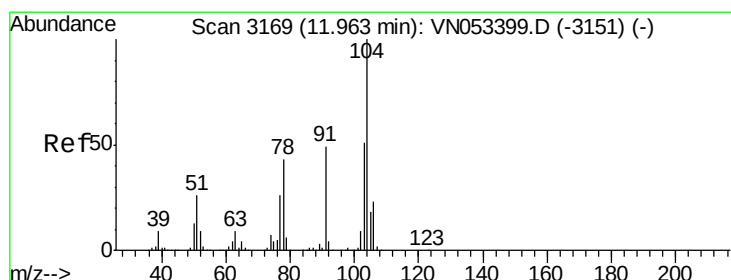
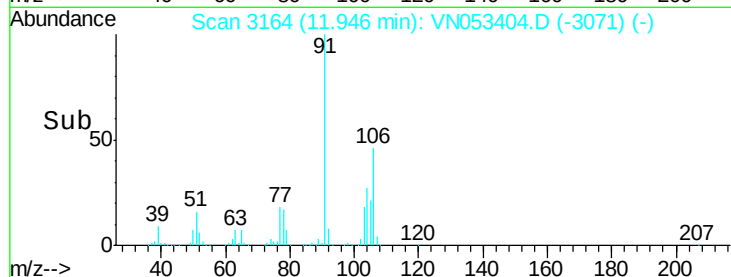
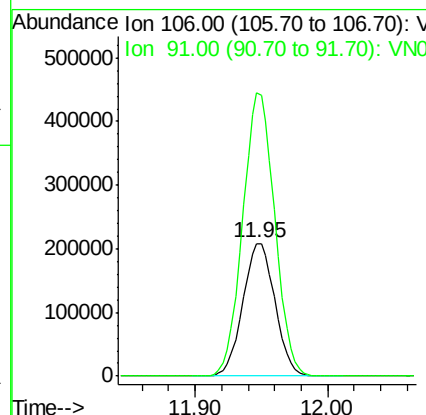
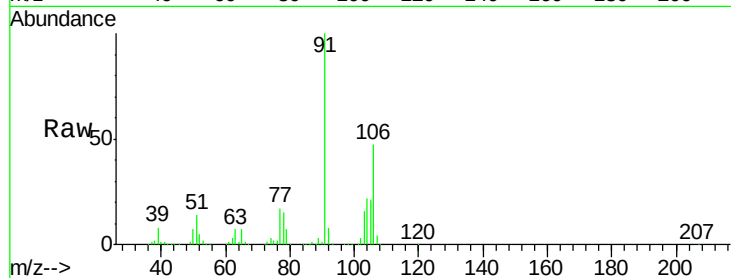
#69
o-Xylene
Concen: 21.015 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.9	106.8	320.4	

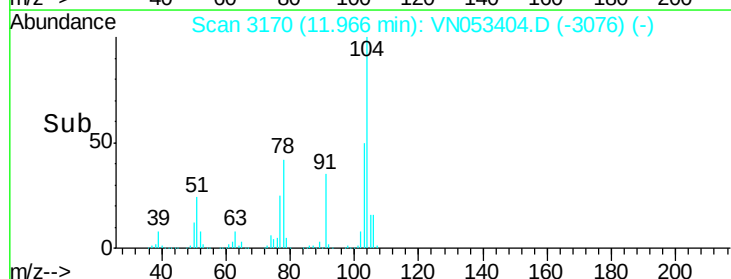
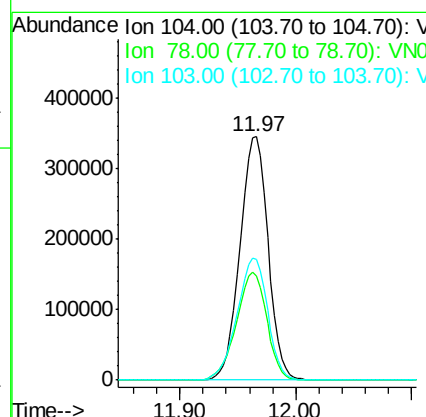
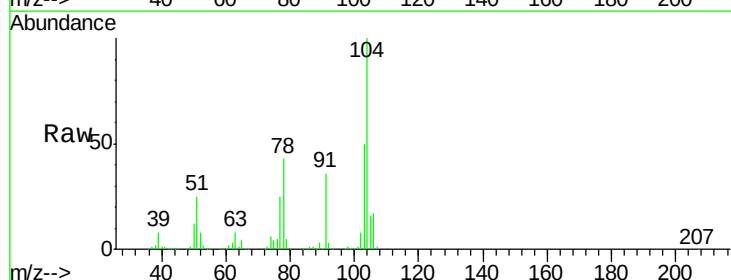
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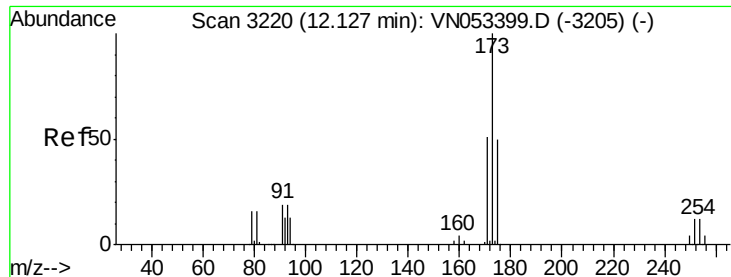
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#70
Styrene
Concen: 21.473 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.8	38.5	57.7	
103	54.6	44.5	66.7	





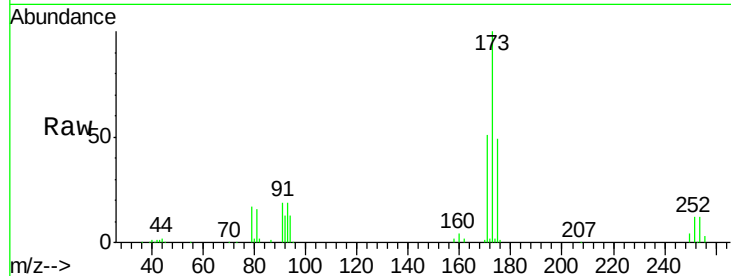
#71
Bromoform
Concen: 21.468 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampled :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.2	0.2

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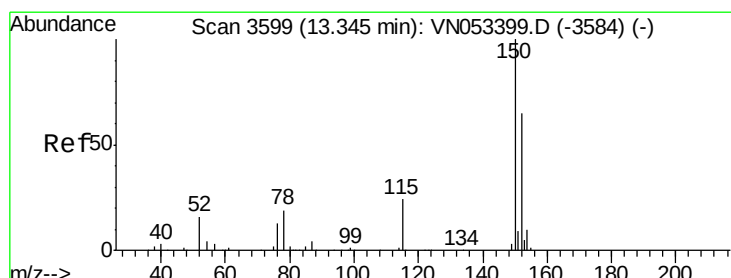
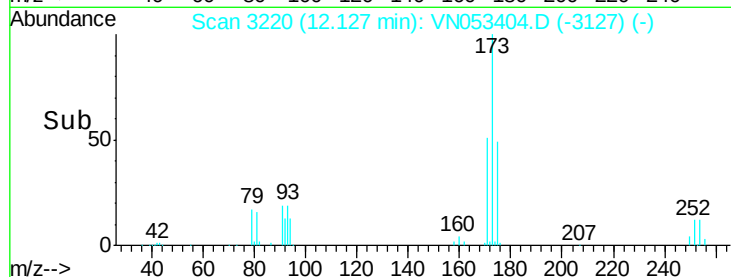
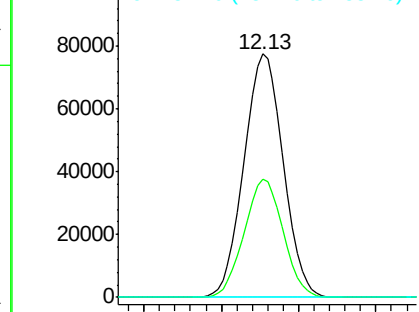


Abundance

Ion 172.70 (172.40 to 173.40): V

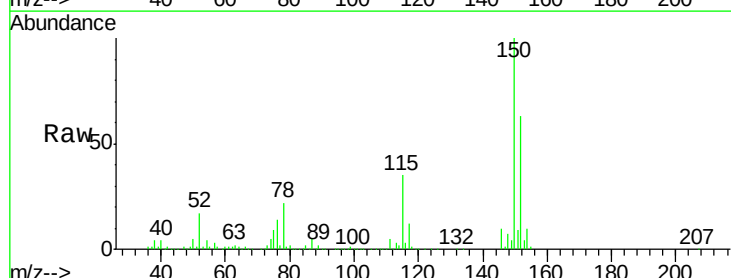
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	165.0	0.0	346.6

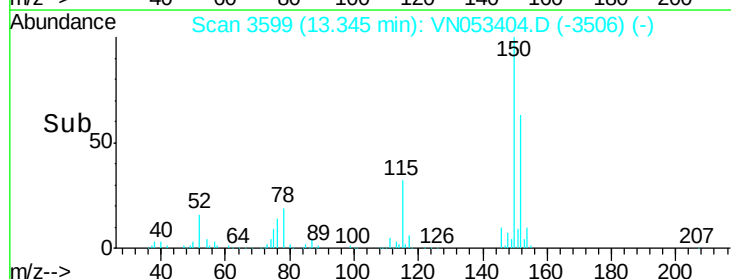
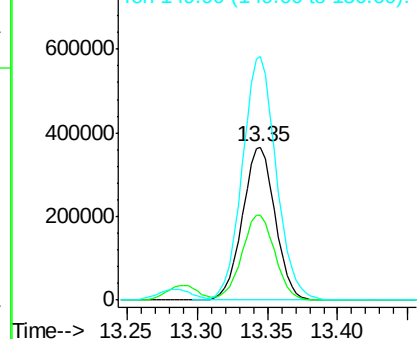


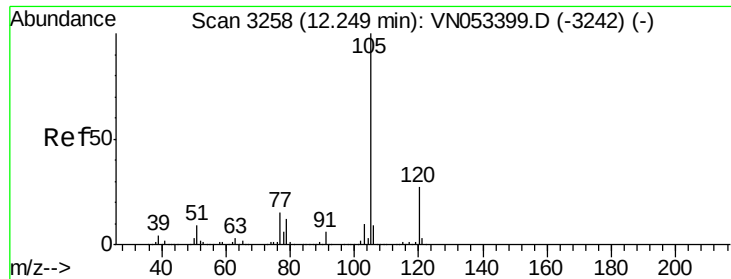
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





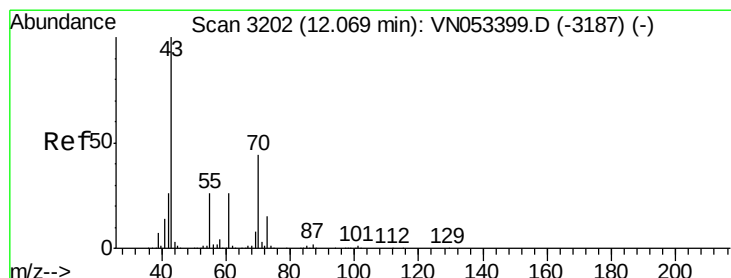
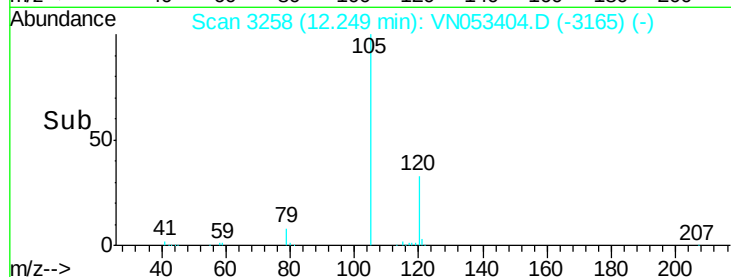
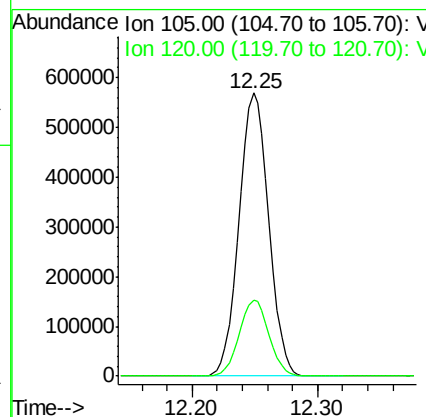
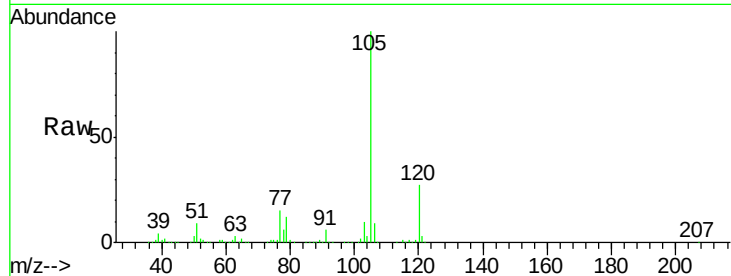
#73
Isopropylbenzene
Concen: 21.518 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

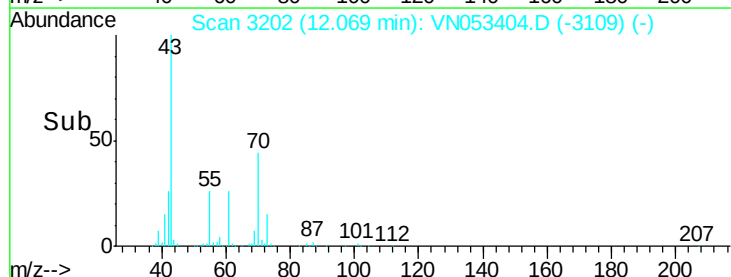
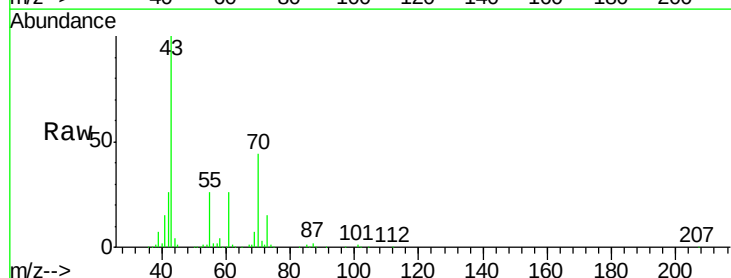
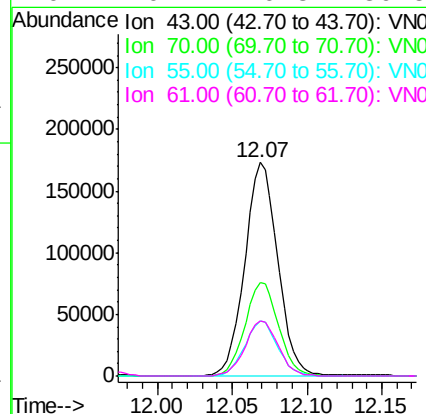
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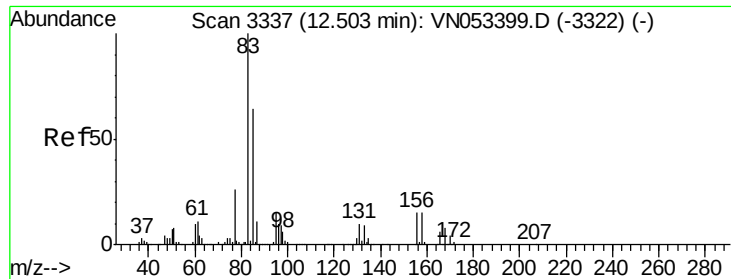
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#74
N-ethyl acetate
Concen: 22.878 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.6	35.0	52.6
55	25.8	20.0	30.0
61	26.1	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.059 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

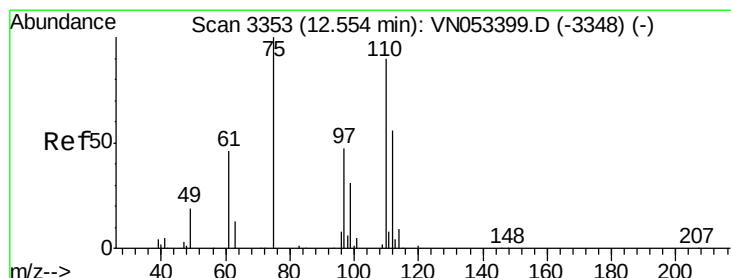
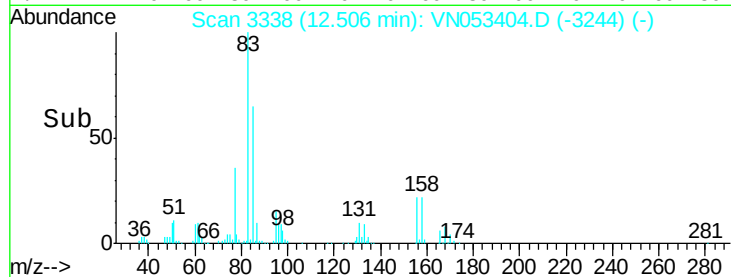
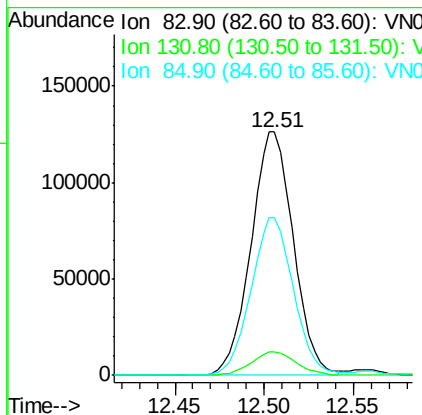
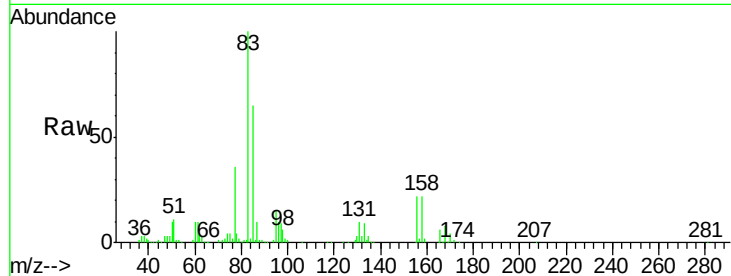
ClientSampleId :

VN0115WBS01

Tot Ion:	83	Resp:	209676
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	65.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.709 ug/l m

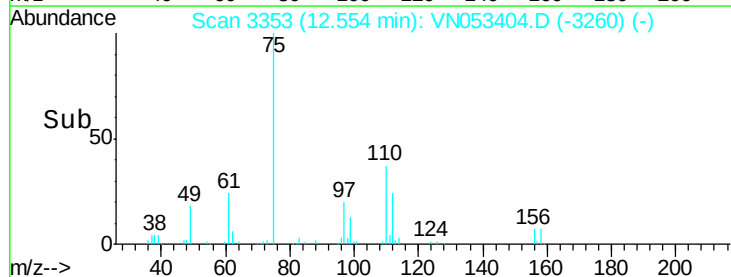
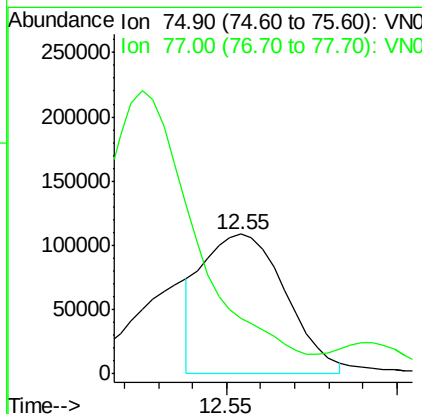
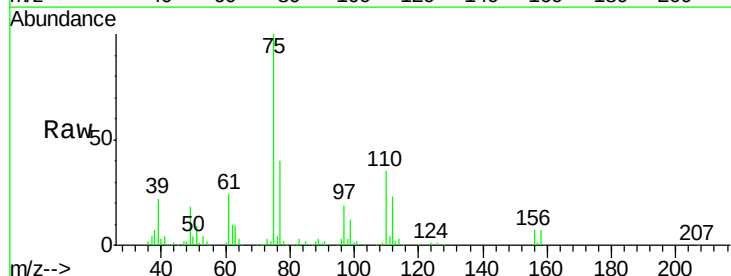
RT: 12.55 min Scan# 3353

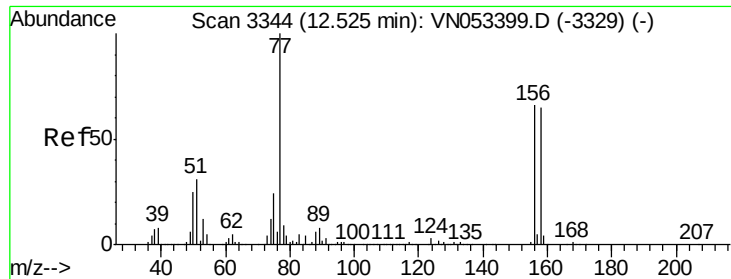
Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion:	75	Resp:	184189
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.420 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

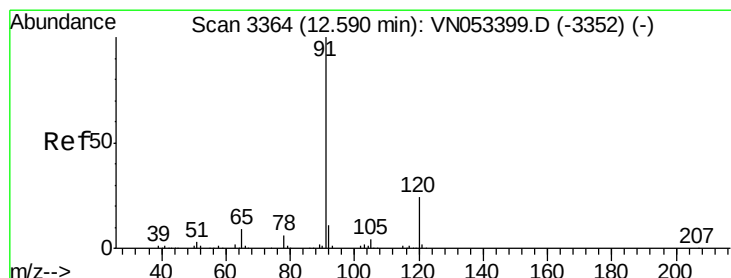
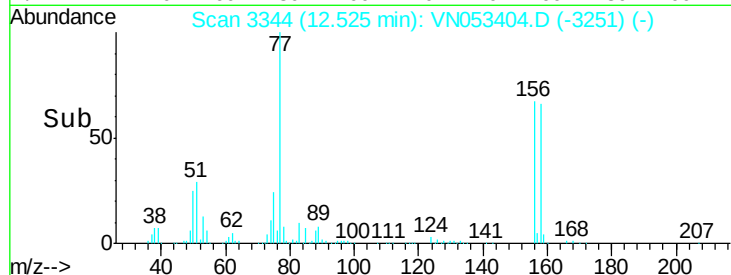
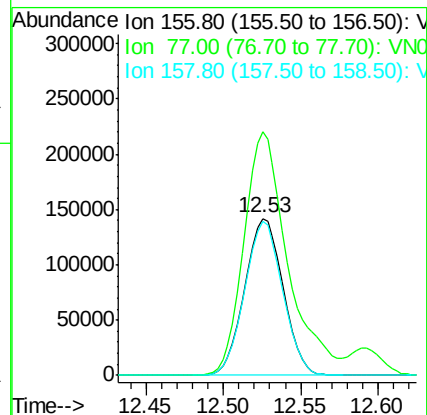
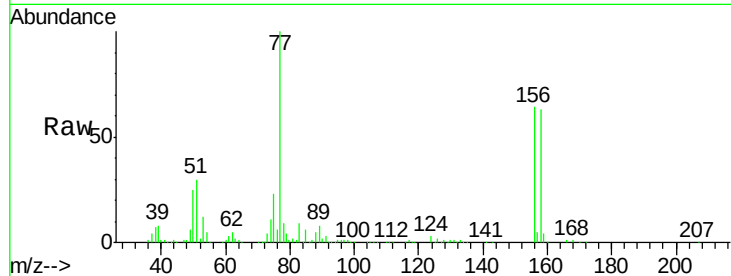
ClientSampleId :

VN0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	244715		
77	178.0	89.3	268.1	
158	97.0	48.9	146.8	

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#78

n-propylbenzene

Concen: 21.419 ug/l

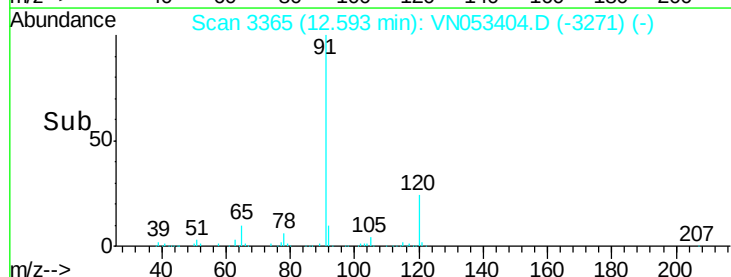
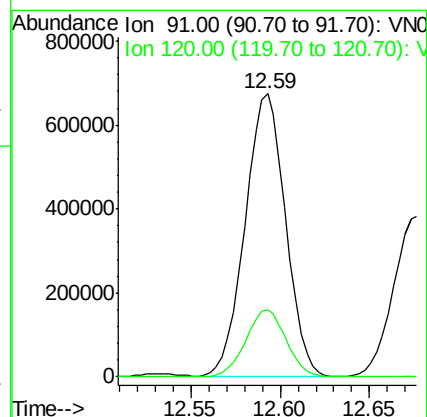
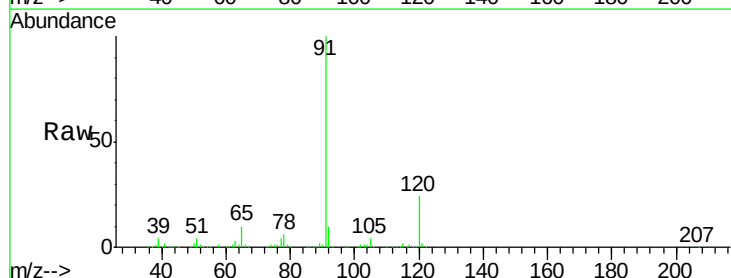
RT: 12.59 min Scan# 3365

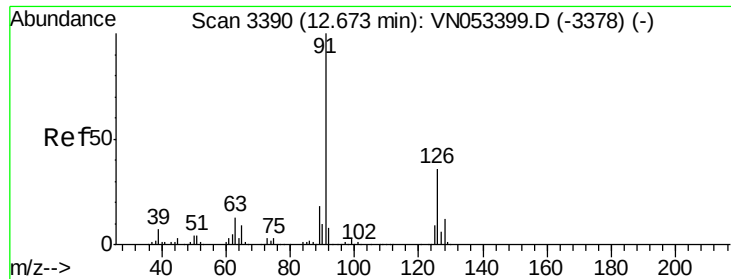
Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1065980		
120	23.7	11.5	34.5	





#79

2-Chlorotoluene

Concen: 21.340 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion: 91 Resp: 629524

Ion Ratio Lower Upper

91 100

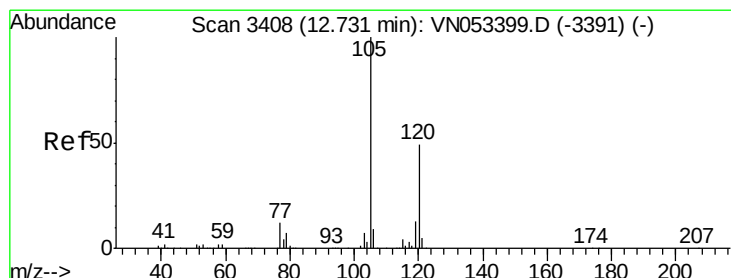
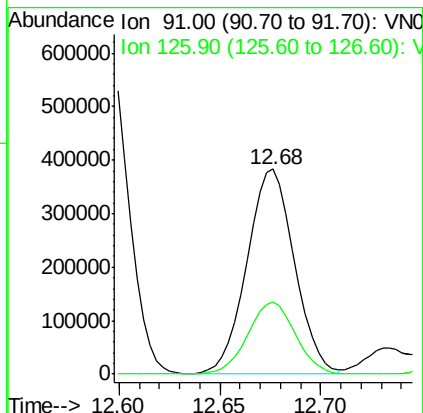
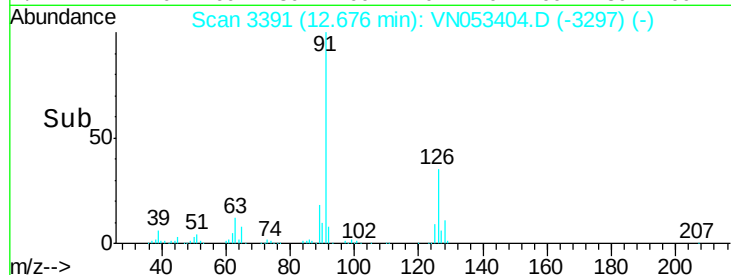
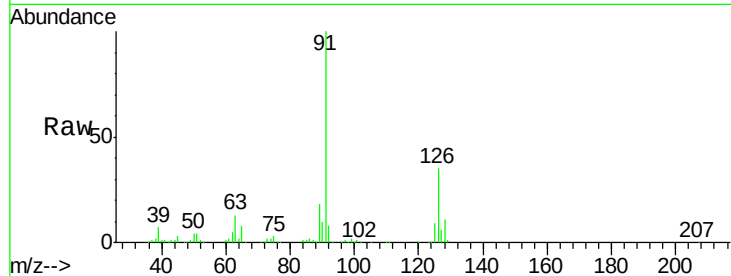
126 35.4 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.297 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053404.D

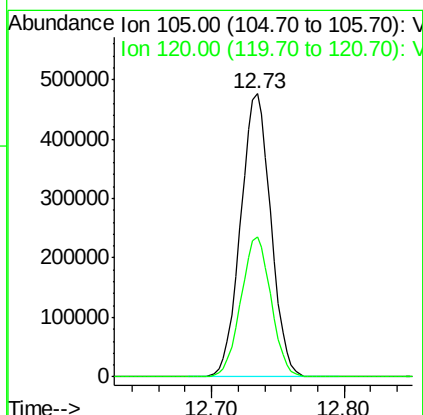
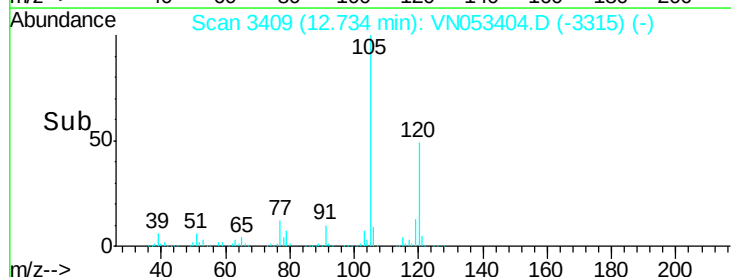
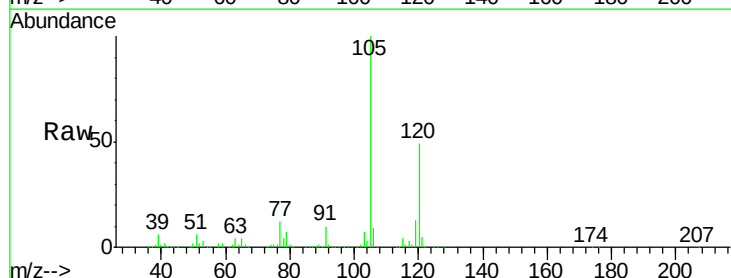
Acq: 15 Jan 2019 13:33

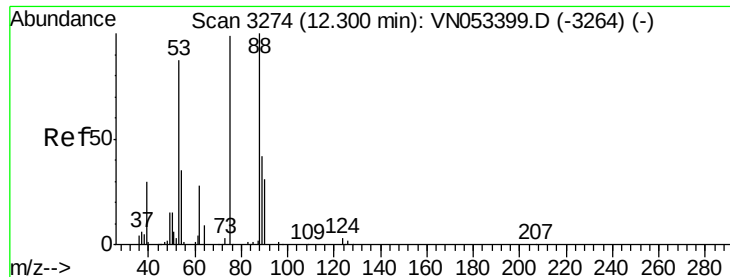
Tgt Ion: 105 Resp: 751273

Ion Ratio Lower Upper

105 100

120 49.3 24.7 74.1





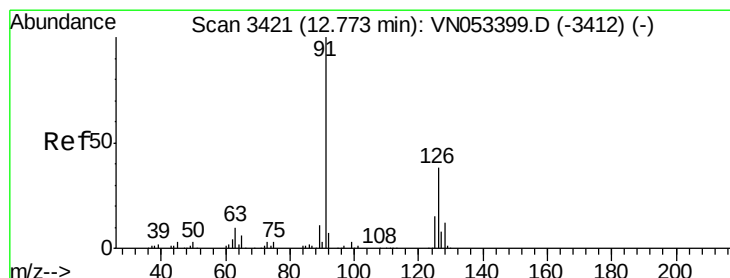
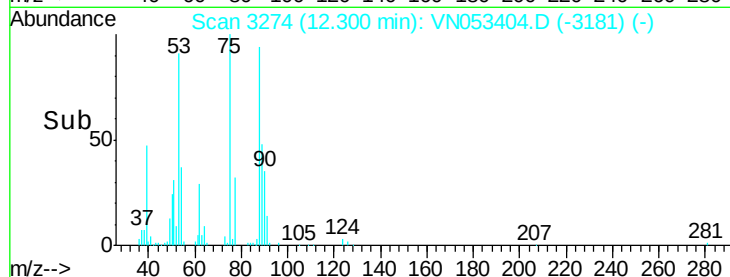
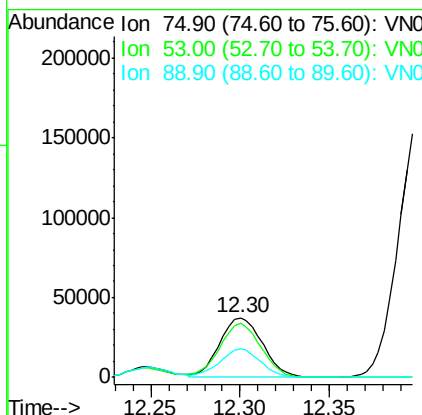
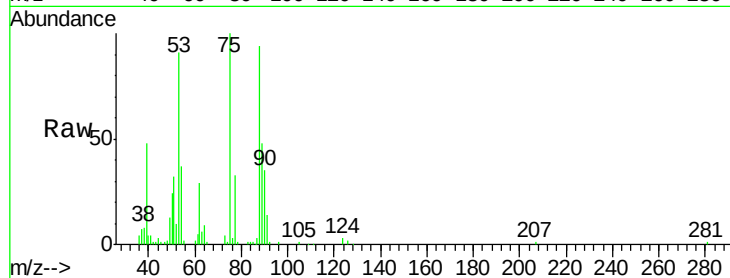
#81
trans-1,4-Dichloro-2-butene
Concen: 21.783 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	70.5	105.7
89	45.1	35.4	53.0

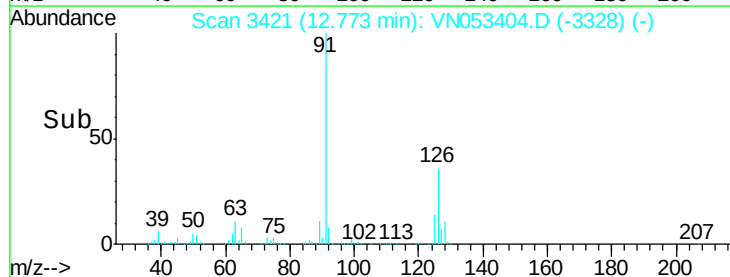
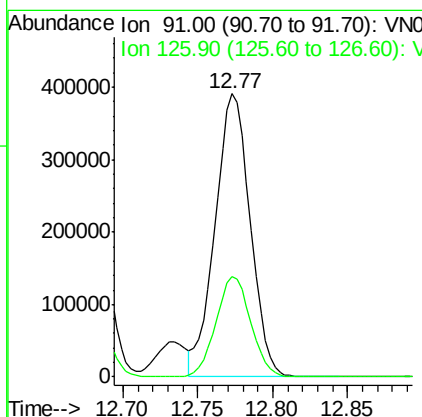
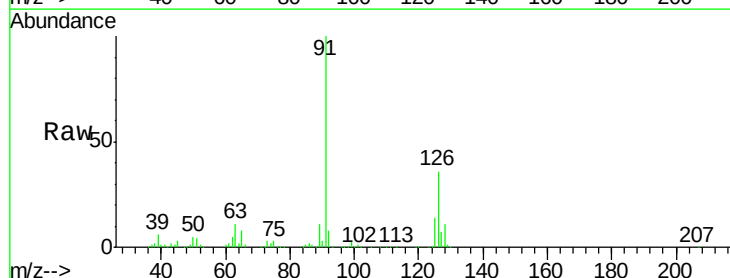
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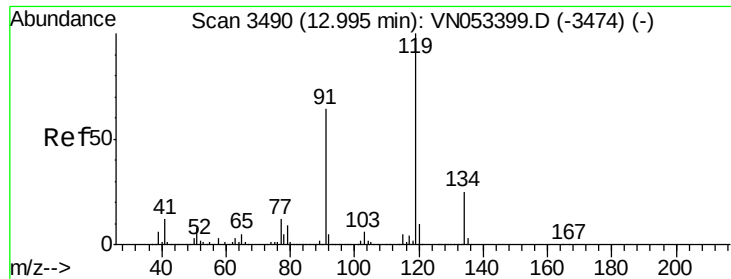
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#82
4-Chlorotoluene
Concen: 21.182 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.2





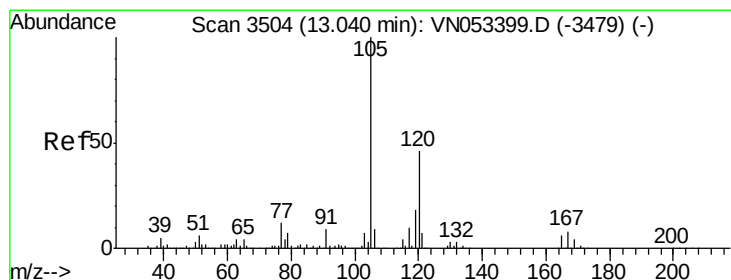
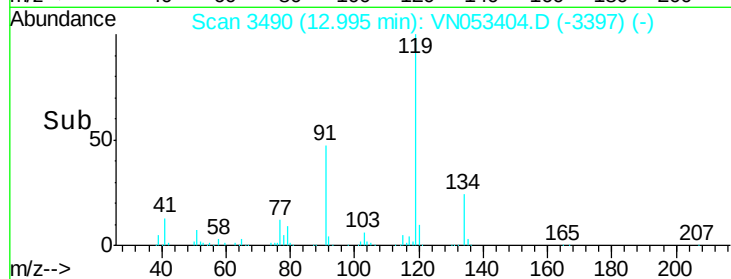
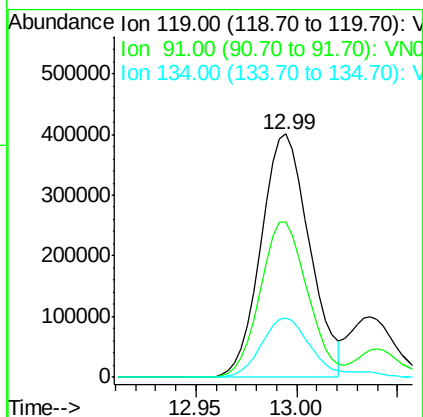
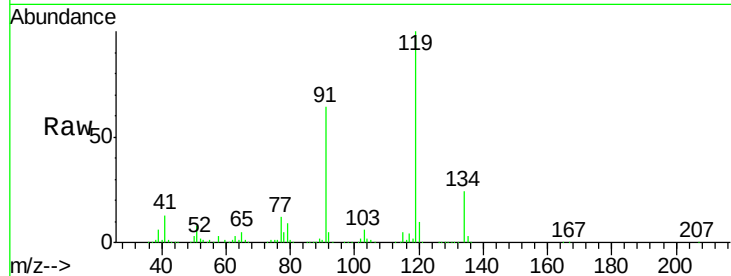
#83
 tert-Butylbenzene
 Concen: 21.525 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampled :
 VN0115WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.6	95.0
134	25.7	12.9	38.6

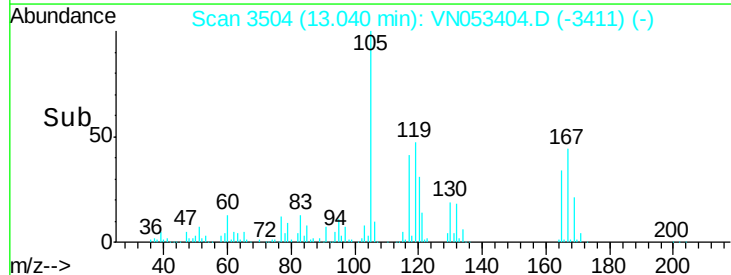
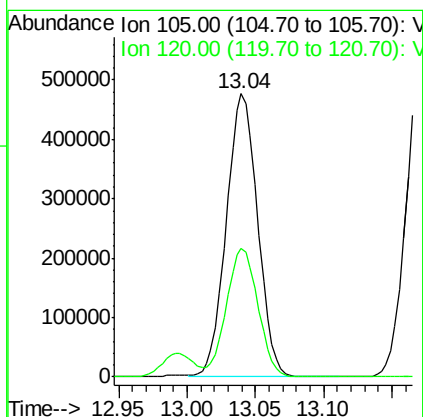
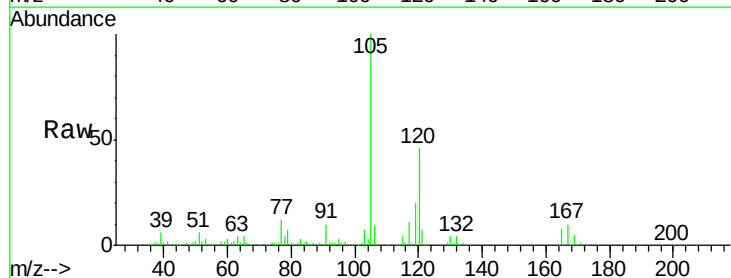
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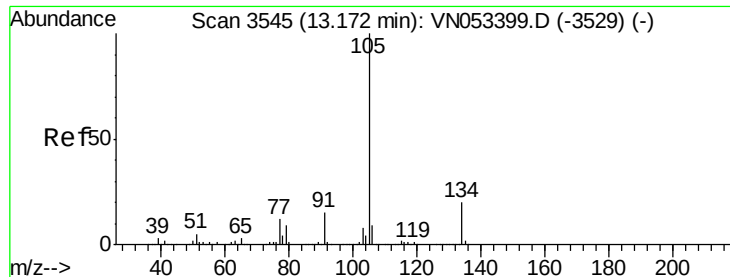
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.353 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.0	69.0





#85

sec-Butylbenzene

Concen: 21.312 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBS01

Tot Ion:105 Resp: 910652

Ion Ratio Lower Upper

105 100

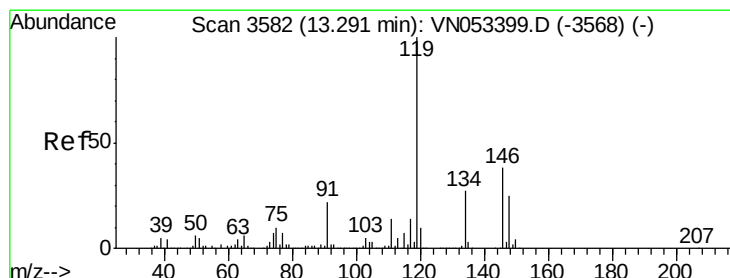
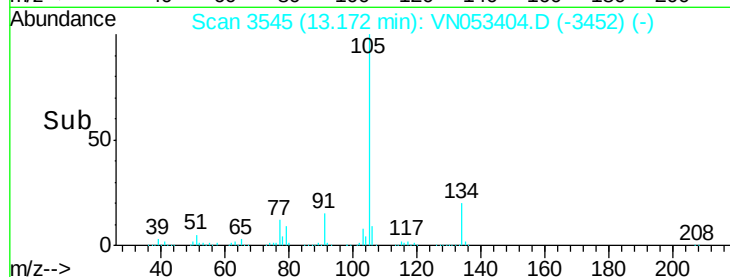
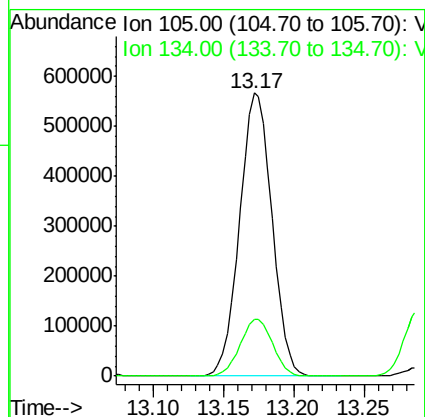
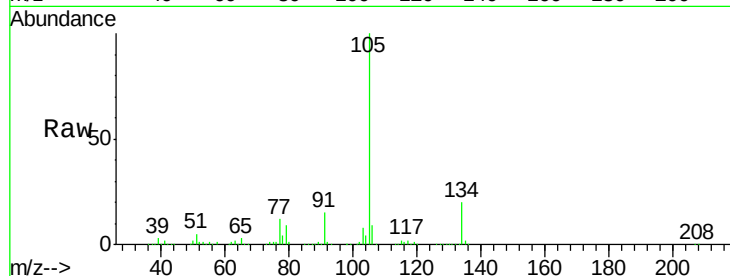
134 20.2 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 21.196 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

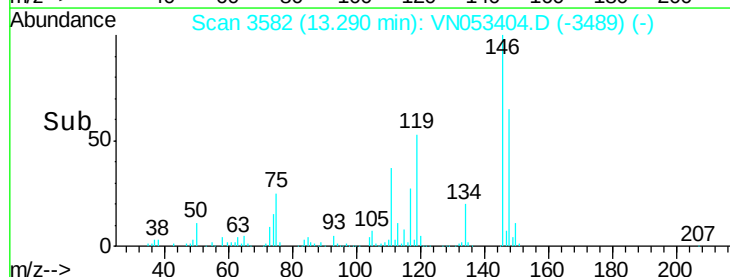
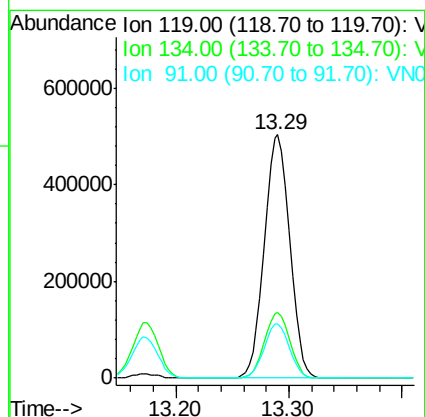
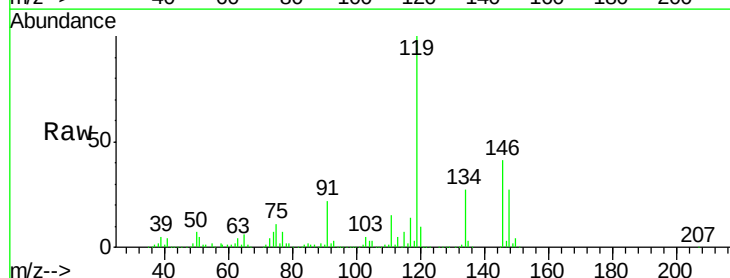
Tgt Ion:119 Resp: 786380

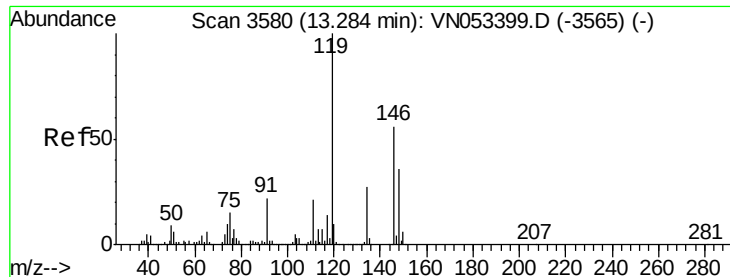
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.3 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 21.003 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

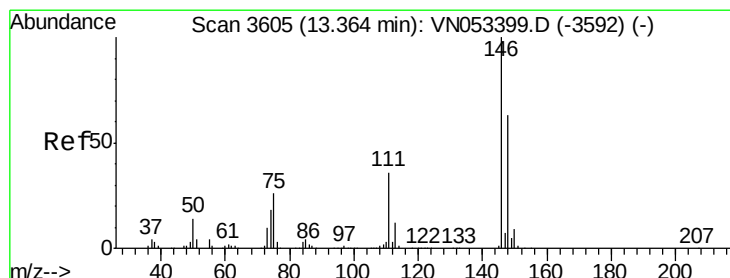
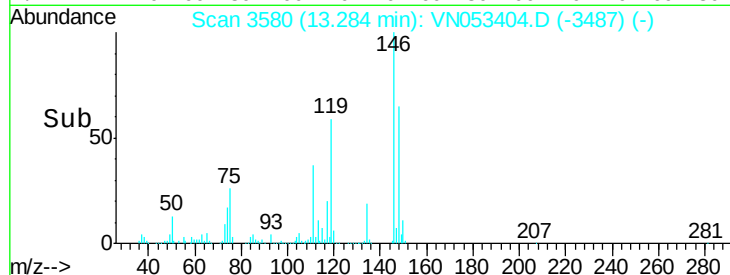
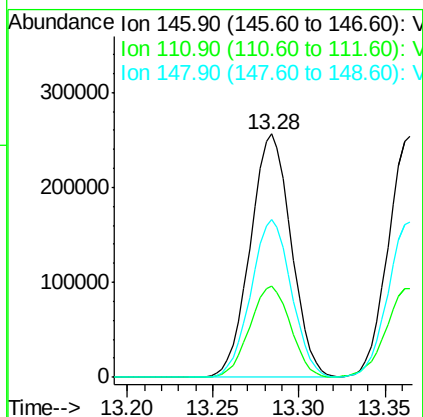
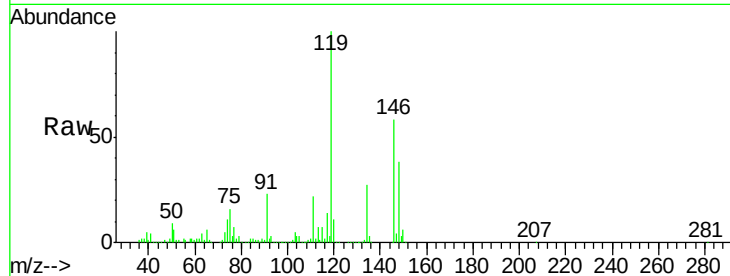
ClientSampleId :

VN0115WBS01

Tot Ion:	146	Resp:	422079
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.5
148	64.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 20.546 ug/l

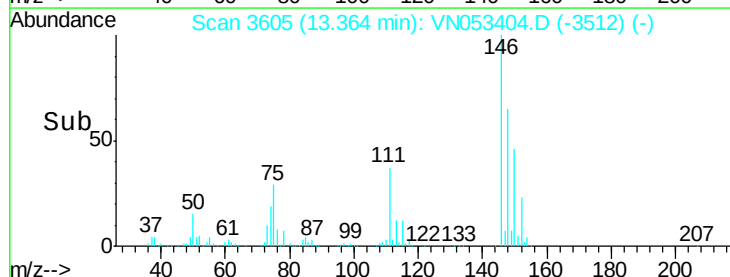
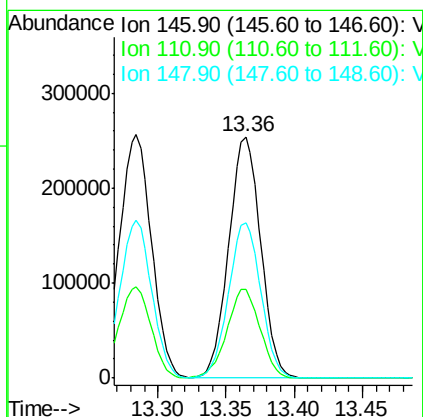
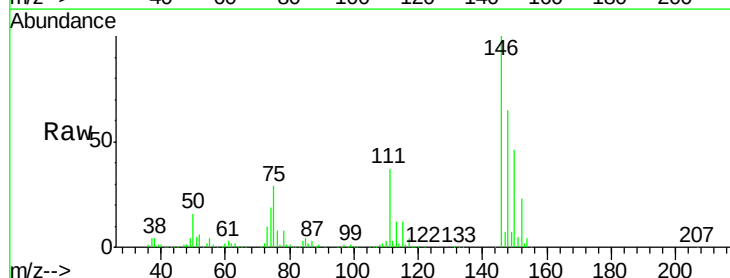
RT: 13.36 min Scan# 3605

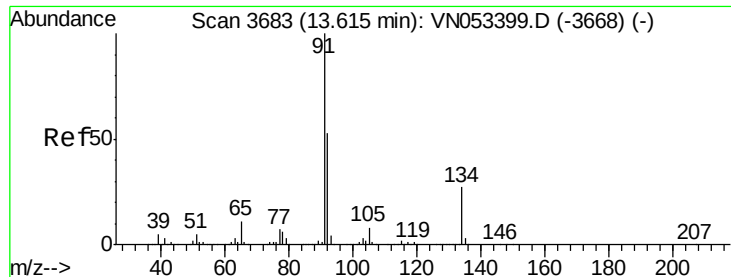
Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion:	146	Resp:	414166
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.6	55.8
148	64.9	32.0	96.0





#89

n-Butylbenzene

Concen: 20.563 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Instrument :

MSVOA_N

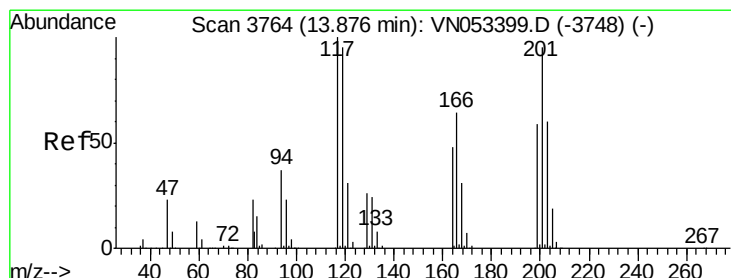
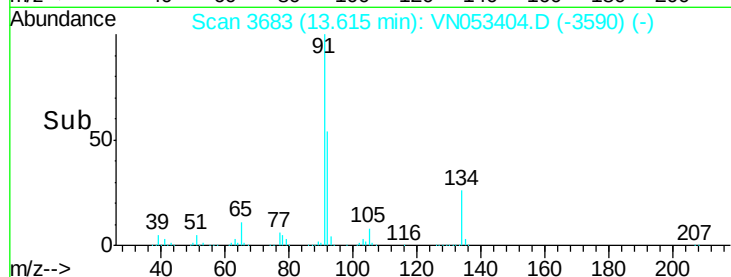
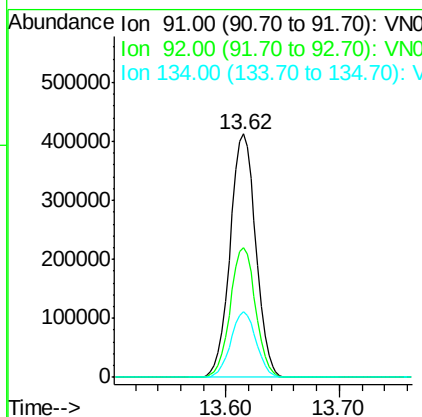
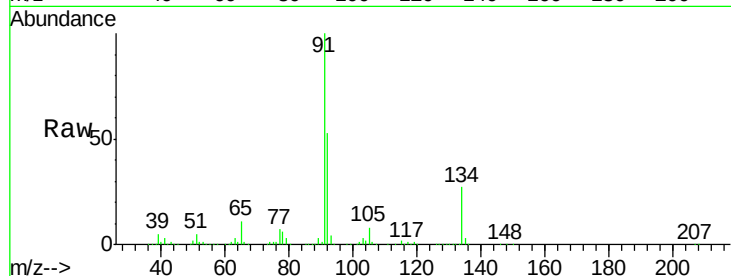
ClientSampleId :

VN0115WBS01

Tot Ion:	91	Resp:	650319
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	26.7	13.5	40.5

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#90

Hexachloroethane

Concen: 20.465 ug/l

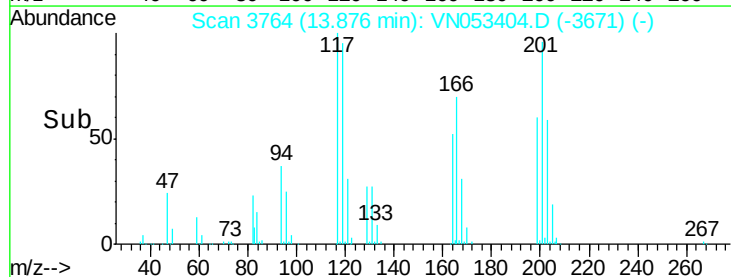
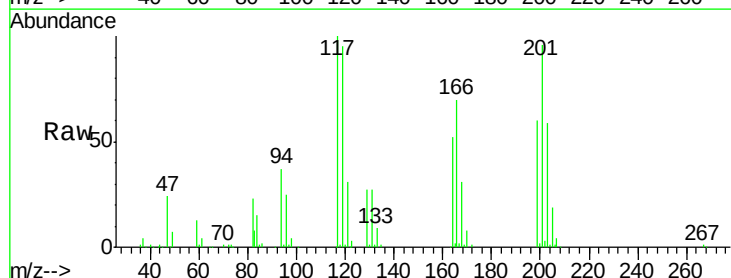
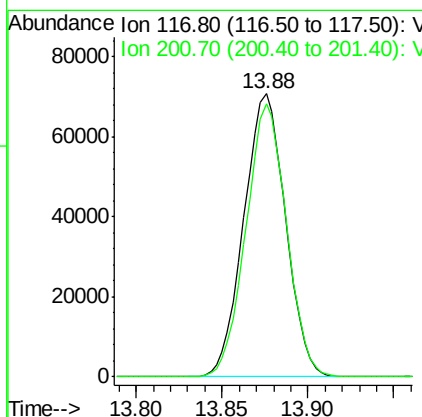
RT: 13.88 min Scan# 3764

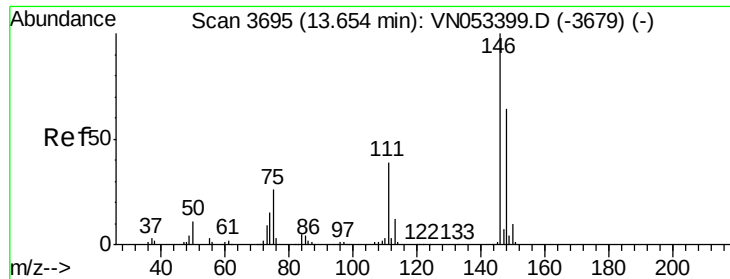
Delta R.T. -0.00 min

Lab File: VN053404.D

Acq: 15 Jan 2019 13:33

Tgt Ion:	117	Resp:	119078
Ion	Ratio	Lower	Upper
117	100		
201	93.5	46.1	138.3





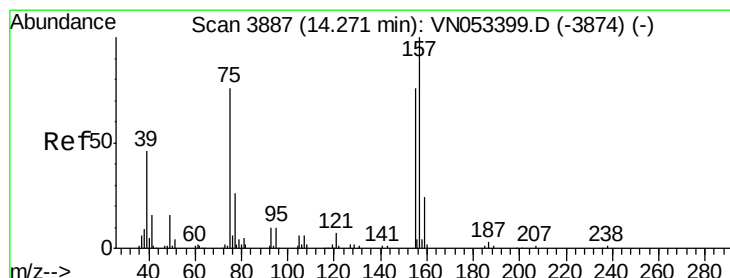
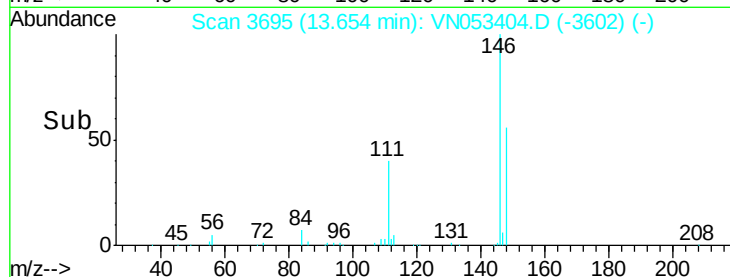
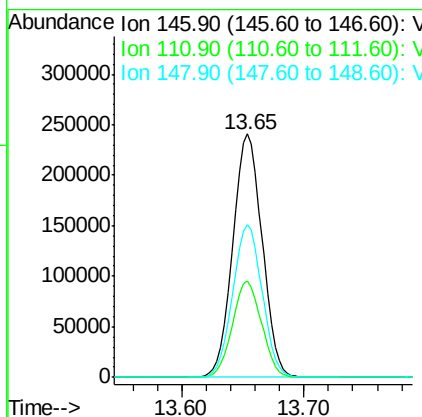
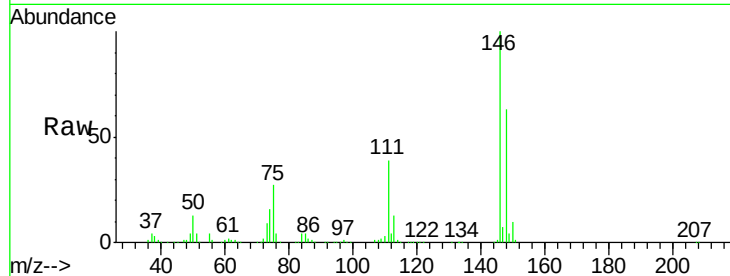
#91
 1,2-Dichlorobenzene
 Concen: 21.736 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	63.0	32.2	96.6

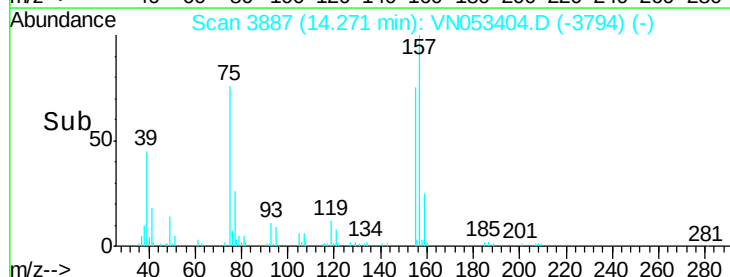
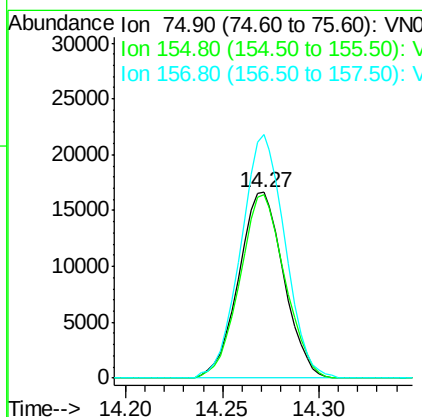
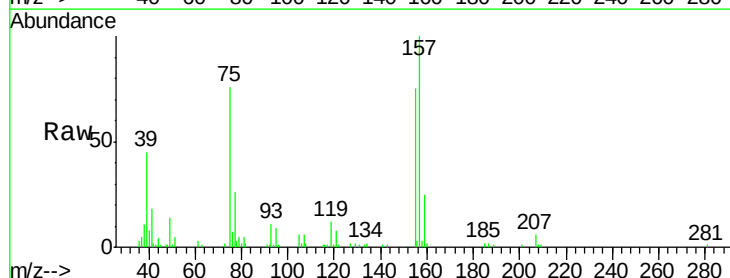
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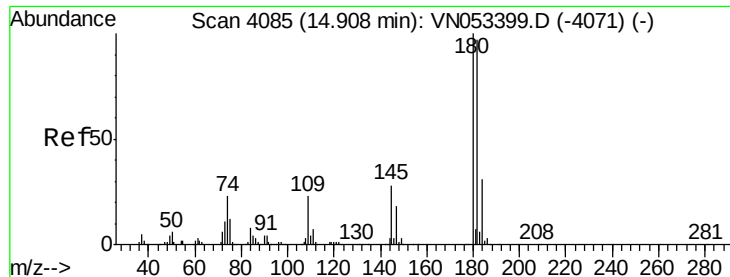
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.383 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	48.1	144.3
157	128.6	61.5	184.4





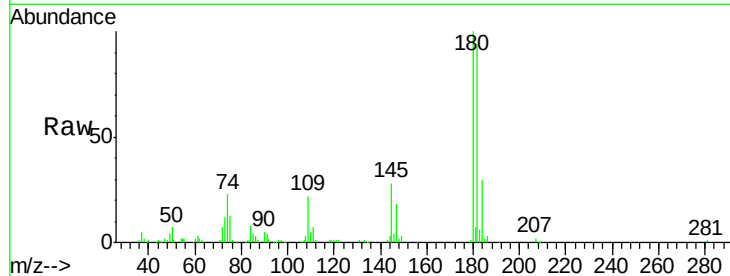
#93
 1,2,4-Trichlorobenzene
 Concen: 21.426 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBS01

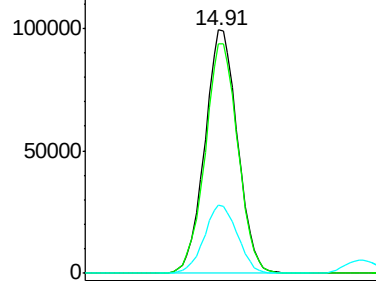
Tot Ion	Ratio	Resp	Lower	Upper
180	100	161130		
182	94.2	47.8	143.4	
145	28.3	14.4	43.0	

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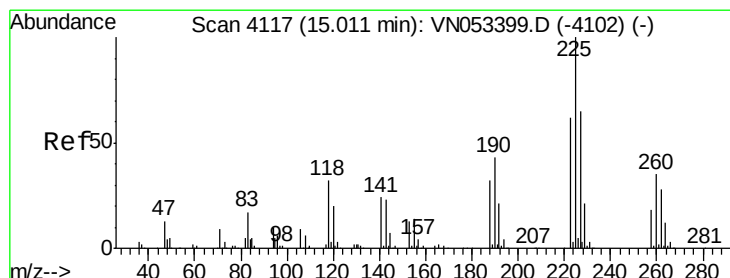
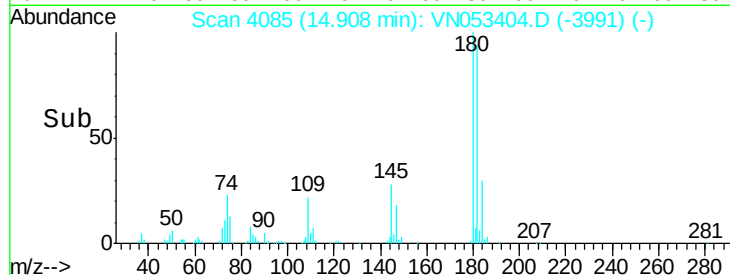
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

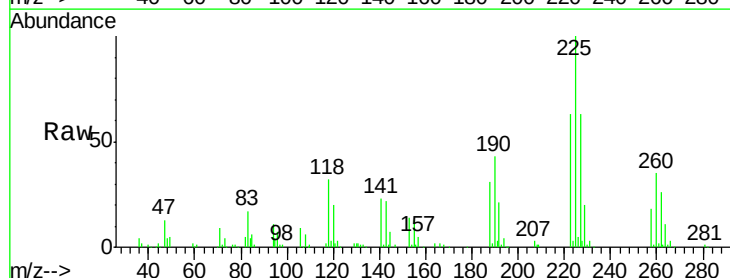


Time-->

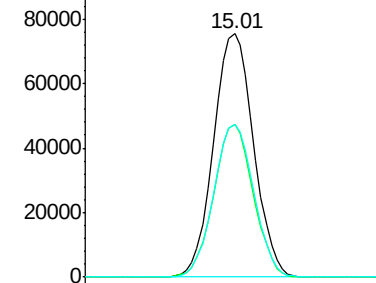


#94
 Hexachlorobutadiene
 Concen: 21.904 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053404.D
 Acq: 15 Jan 2019 13:33

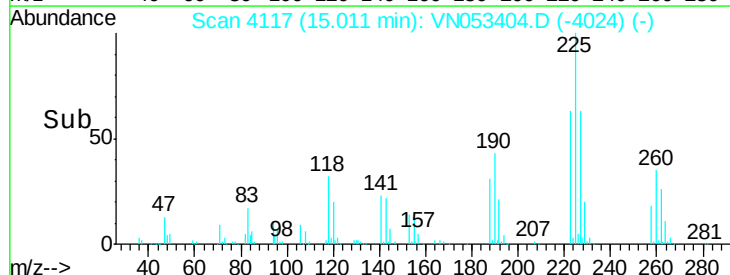
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126331		
223	61.7	30.9	92.8	
227	62.8	31.4	94.2	

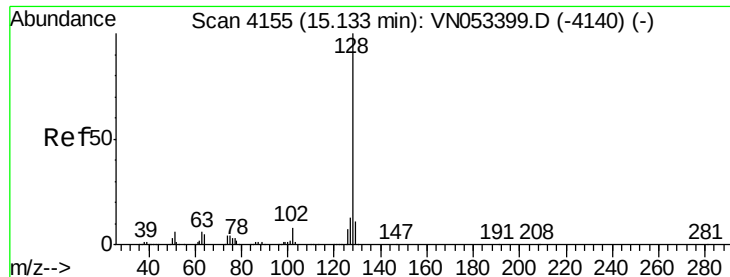


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





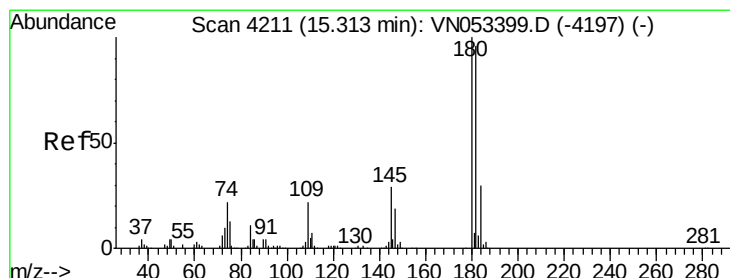
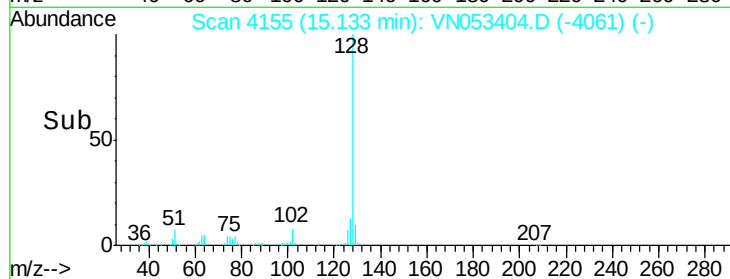
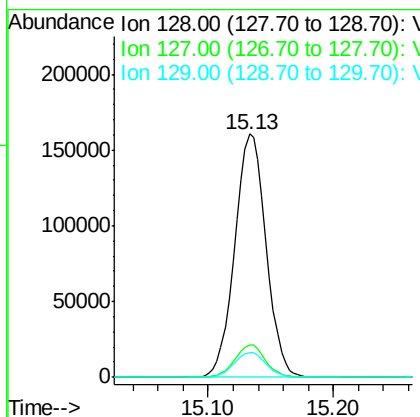
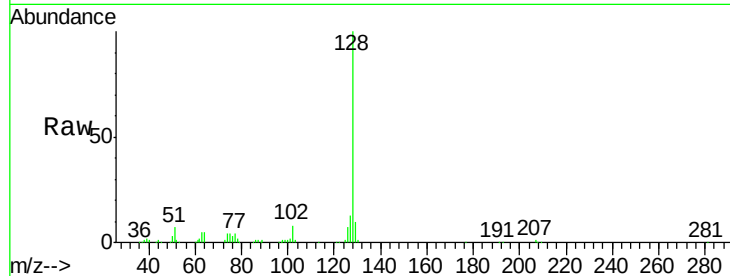
#95
Naphthalene
Concen: 21.806 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:51:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.558 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053404.D
Acq: 15 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.4	145.0
145	30.2	14.9	44.5

