

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051668.D
 Acq On : 4 Oct 2018 15:44
 Operator : MD\SY
 Sample : VN1004WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:14 PM

Quant Time: Oct 05 07:01:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	513791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	789890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	356723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	344047	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	304470	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.09	98	1113783	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	358810	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	126633	20.404	ug/l	100
3) Chloromethane	2.06	50	135598	23.126	ug/l	100
4) Vinyl Chloride	2.18	62	217931	23.595	ug/l	99
5) Bromomethane	2.57	94	160350	22.575	ug/l	100
6) Chloroethane	2.70	64	143165	23.062	ug/l	99
7) Trichlorofluoromethane	3.01	101	210071	21.064	ug/l	97
8) Diethyl Ether	3.41	74	55956	20.790	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	103276	20.117	ug/l	96
10) Methyl Iodide	3.95	142	119322	19.095	ug/l	99
11) Tert butyl alcohol	4.80	59	48908	106.026	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	98678	20.623	ug/l	99
13) Acrolein	3.61	56	35168	122.033	ug/l	95
14) Allyl chloride	4.32	41	150821	20.667	ug/l	97
15) Acrylonitrile	5.00	53	170389	107.043	ug/l	99
16) Acetone	3.82	43	126386	99.863	ug/l	98
17) Carbon Disulfide	4.05	76	290608	19.981	ug/l	99
18) Methyl Acetate	4.33	43	80078	21.375	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	325717	20.623	ug/l	99
20) Methylene Chloride	4.55	84	113699	20.360	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	110359	19.464	ug/l	98
22) Diisopropyl ether	5.96	45	320592	20.494	ug/l	100
23) Vinyl Acetate	5.90	43	1188975	103.368	ug/l	99
24) 1,1-Dichloroethane	5.85	63	204781	20.354	ug/l	99
25) 2-Butanone	6.84	43	205570	104.885	ug/l	99
26) 2,2-Dichloropropane	6.83	77	202154	20.051	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	129163	19.623	ug/l	99
28) Bromochloromethane	7.20	49	89882	20.180	ug/l	98
29) Tetrahydrofuran	7.22	42	133973	111.388	ug/l	99
30) Chloroform	7.37	83	225098	19.913	ug/l	96
31) Cyclohexane	7.65	56	183065	19.868	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	216015	19.715	ug/l	99
36) 1,1-Dichloropropene	7.80	75	163802	19.840	ug/l	99
37) Ethyl Acetate	6.93	43	95621	22.206	ug/l	98
38) Carbon Tetrachloride	7.78	117	192636	19.444	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	204731	19.754	ug/l	100
40) Benzene	8.04	78	486583	19.880	ug/l	98
41) Methacrylonitrile	7.20	41	65815m	29.542	ug/l	
42) 1,2-Dichloroethane	8.13	62	168692	20.451	ug/l	99
43) Isopropyl Acetate	8.17	43	197411	21.989	ug/l #	89
44) Trichloroethene	8.84	130	138118	19.874	ug/l	95
45) 1,2-Dichloropropane	9.12	63	122616	20.263	ug/l	100
46) Dibromomethane	9.21	93	83314	19.808	ug/l	99
47) Bromodichloromethane	9.40	83	182718	19.733	ug/l	99
48) Methyl methacrylate	9.20	41	85907	20.941	ug/l	98
49) 1,4-Dioxane	9.20	88	24793	403.048	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	494398	108.675	ug/l	98
52) Toluene	10.16	92	313703	19.271	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183456	19.201	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	199658	19.679	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	116390	20.070	ug/l	97
56) Ethyl methacrylate	10.43	69	147556	20.121	ug/l	92
57) 1,3-Dichloropropane	10.71	76	180475	19.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	315918	104.088	ug/l	98
59) 2-Hexanone	10.75	43	332085	107.485	ug/l	94
60) Dibromochloromethane	10.90	129	146898	19.357	ug/l	99
61) 1,2-Dibromoethane	11.01	107	117950	19.240	ug/l	99
64) Tetrachloroethene	10.63	164	125481	19.860	ug/l	99
65) Chlorobenzene	11.44	112	346411	19.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	139417	19.631	ug/l	99
67) Ethyl Benzene	11.51	91	600052	19.573	ug/l	98
68) m/p-Xylenes	11.62	106	476835	38.873	ug/l	99
69) o-Xylene	11.95	106	235557	19.581	ug/l	99
70) Styrene	11.97	104	366042	19.096	ug/l	99
71) Bromoform	12.13	173	97693	18.494	ug/l #	99
73) Isopropylbenzene	12.25	105	628279	20.661	ug/l	100
74) N-amyl acetate	12.07	43	153083	22.556	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	141166	21.757	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	127864m	26.956	ug/l	
77) Bromobenzene	12.53	156	145573	19.579	ug/l	97
78) n-propylbenzene	12.59	91	678154	20.447	ug/l	99
79) 2-Chlorotoluene	12.68	91	399194	20.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	518136	20.219	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39128	20.163	ug/l	92
82) 4-Chlorotoluene	12.77	91	385403	19.627	ug/l	100
83) tert-Butylbenzene	12.99	119	479238	20.871	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	519429	20.236	ug/l	100
85) sec-Butylbenzene	13.17	105	621877	20.474	ug/l	99
86) p-Isopropyltoluene	13.29	119	544419	20.218	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	253302	19.551	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	240814	18.884	ug/l	98
89) n-Butylbenzene	13.62	91	418426	19.653	ug/l	99
90) Hexachloroethane	13.88	117	111068	20.674	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	247030	19.180	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22965	21.499	ug/l	95

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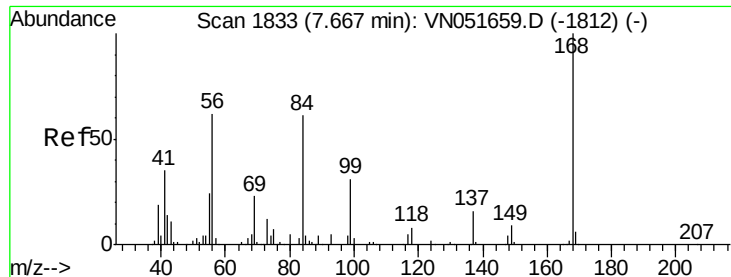
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	96181	16.782	ug/l	99
94) Hexachlorobutadiene	15.01	225	77045	19.814	ug/l	99
95) Naphthalene	15.13	128	211271	17.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	100235	17.758	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

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ClientSampleId :

VN1004WBSD01

Tot Ion:168 Resp: 513791

Ion Ratio Lower Upper

168 100

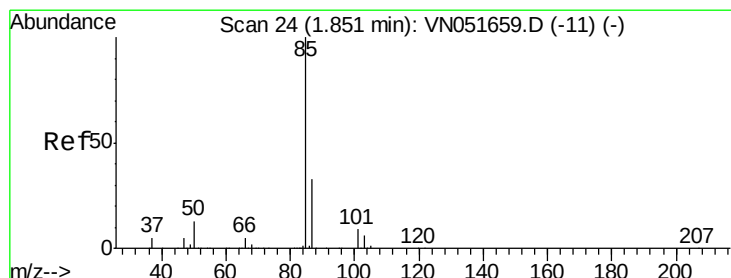
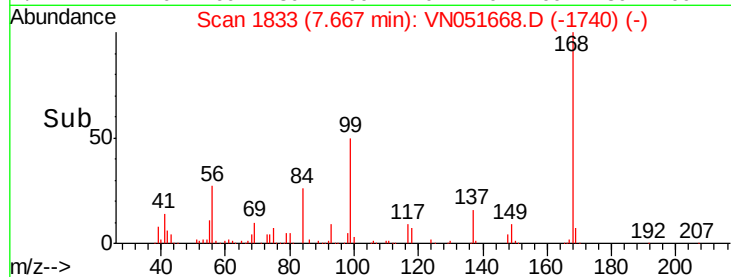
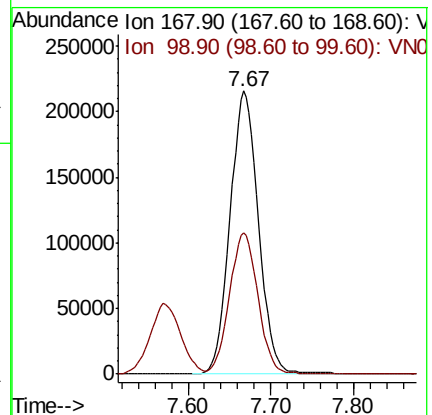
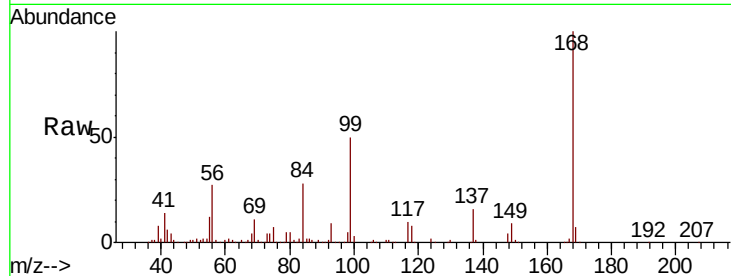
99 49.8 40.4 60.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.404 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051668.D

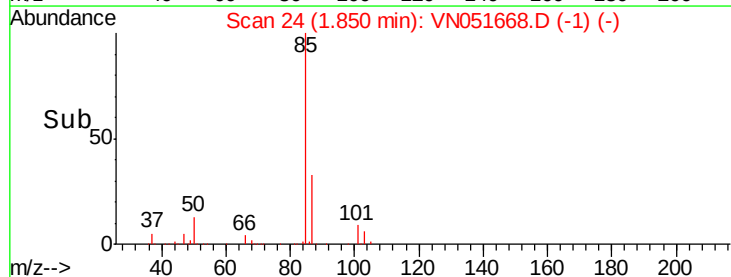
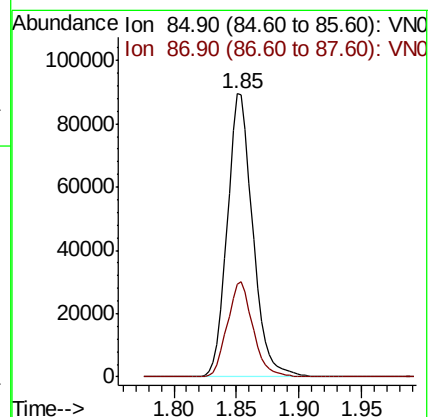
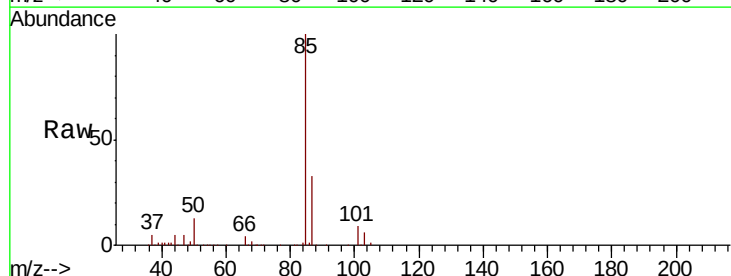
Acq: 4 Oct 2018 15:44

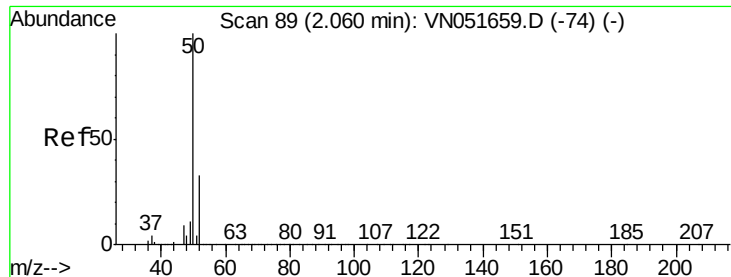
Tgt Ion: 85 Resp: 126633

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4





#3

Chloromethane

Concen: 23.126 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 50 Resp: 135598

Ion Ratio Lower Upper

50 100

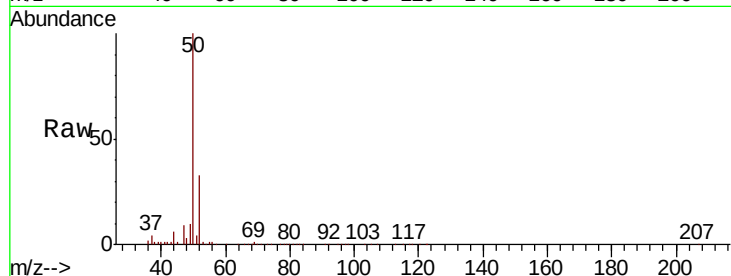
52 33.2 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

120000

100000

80000

60000

40000

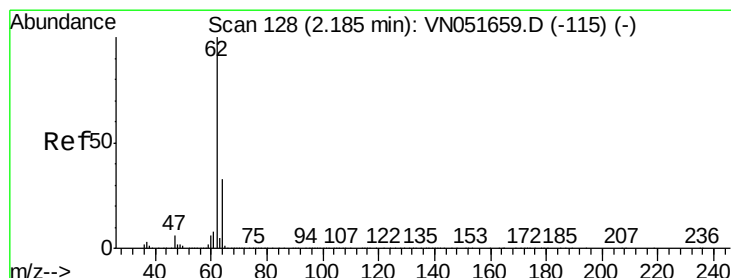
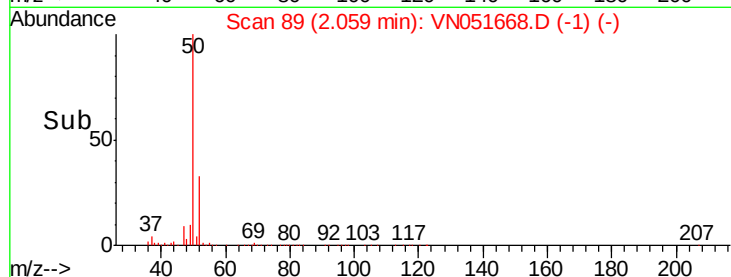
20000

0

2.06

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 23.595 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051668.D

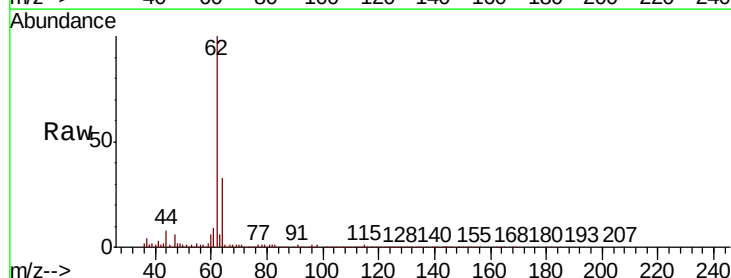
Acq: 4 Oct 2018 15:44

Tgt Ion: 62 Resp: 217931

Ion Ratio Lower Upper

62 100

64 33.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

150000

100000

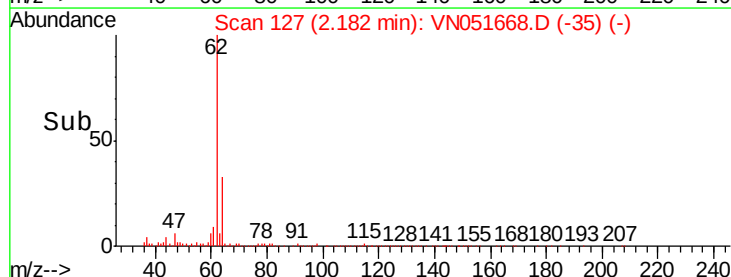
50000

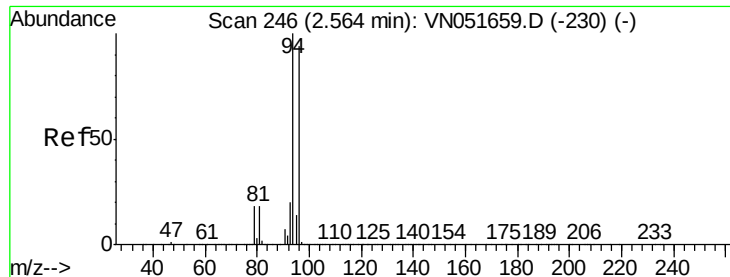
0

2.18

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 22.575 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 94 Resp: 160350

Ion Ratio Lower Upper

94 100

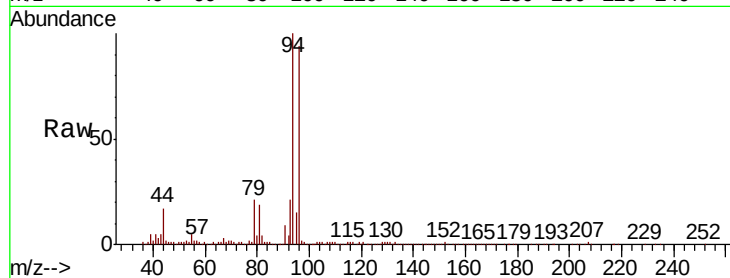
96 94.1 75.2 112.8

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

100000

80000

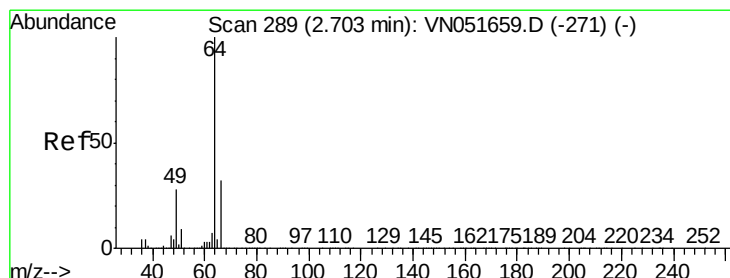
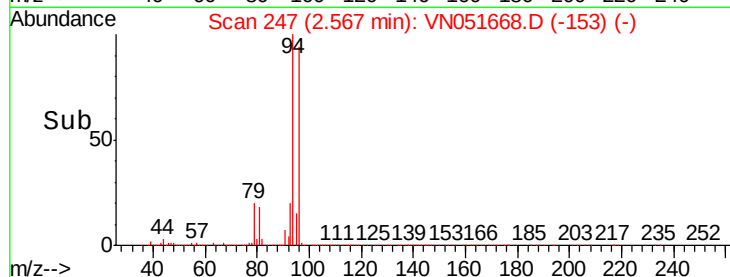
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 23.062 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051668.D

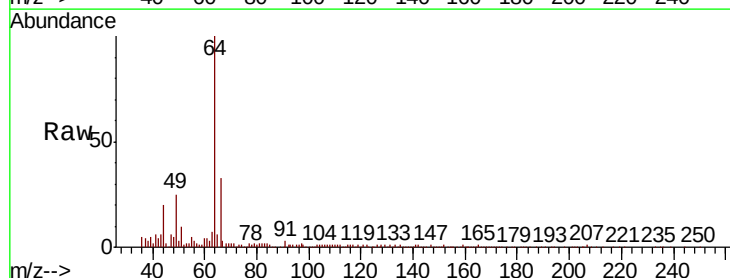
Acq: 4 Oct 2018 15:44

Tgt Ion: 64 Resp: 143165

Ion Ratio Lower Upper

64 100

66 32.8 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

80000

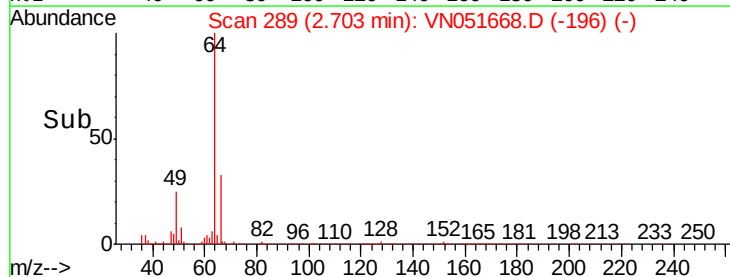
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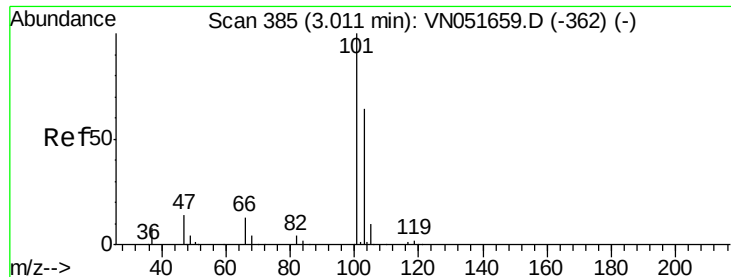
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20000

0

Time-->





#7

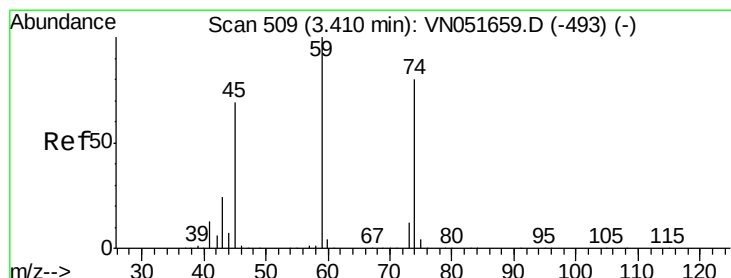
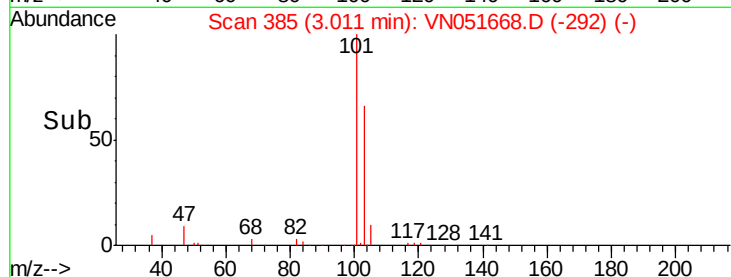
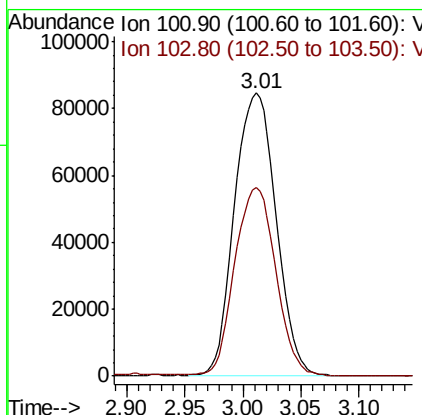
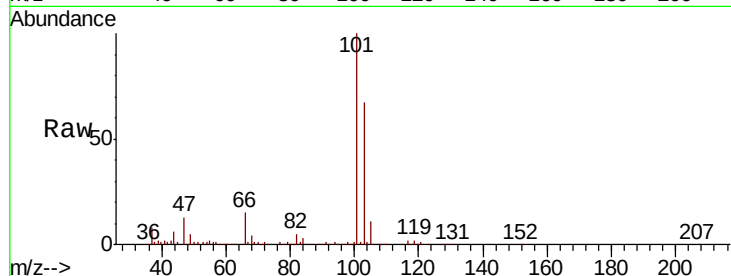
Trichlorofluoromethane
 Concen: 21.064 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
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 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.1	76.7

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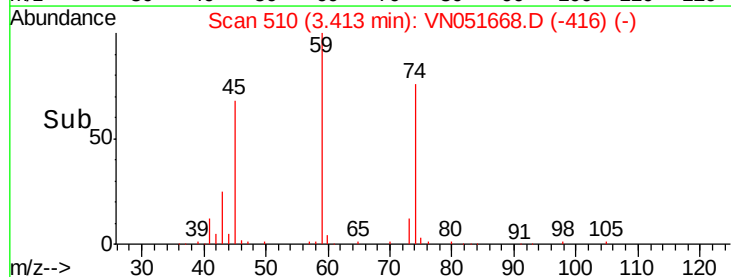
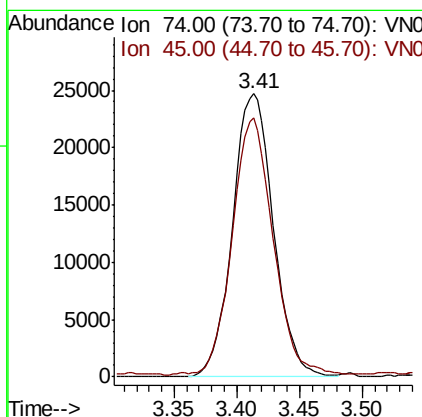
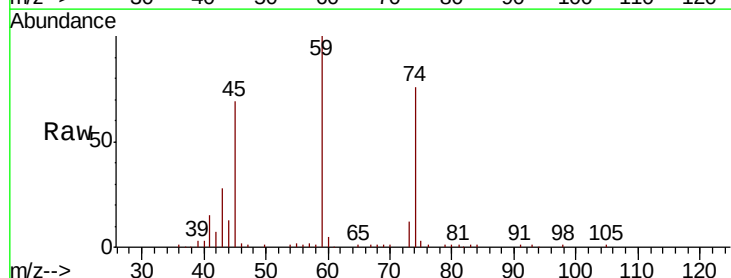
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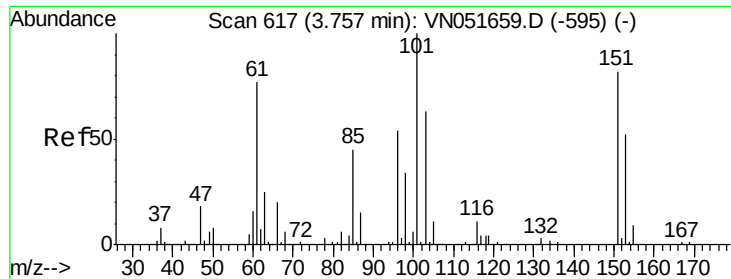


#8

Diethyl Ether
 Concen: 20.790 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.8	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.117 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

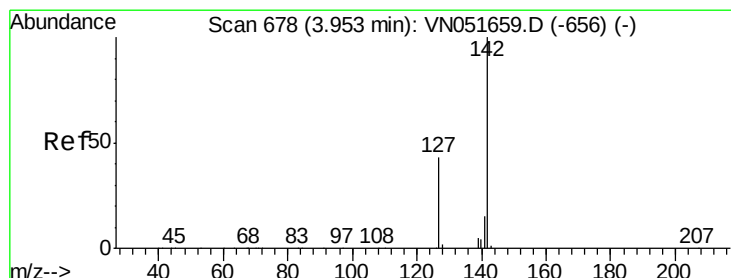
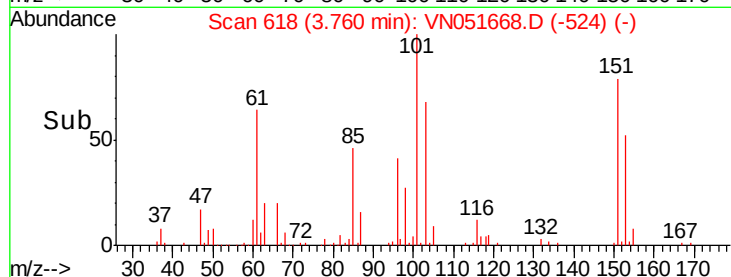
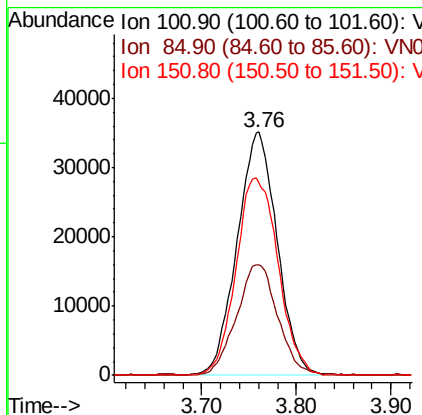
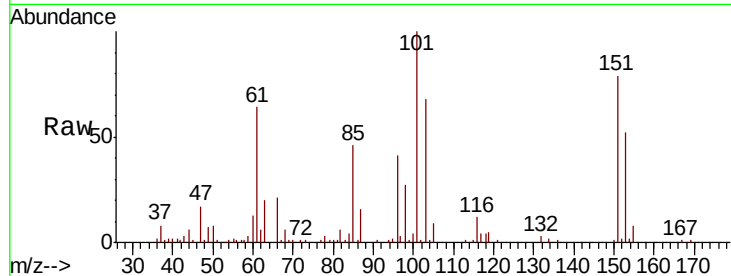
ClientSampleId :

VN1004WBSD01

Tot Ion:	101	Resp:	103276
Ion Ratio	Lower	Upper	
101	100		
85	46.9	35.6	53.4
151	85.3	65.5	98.3

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#10

Methyl Iodide

Concen: 19.095 ug/l

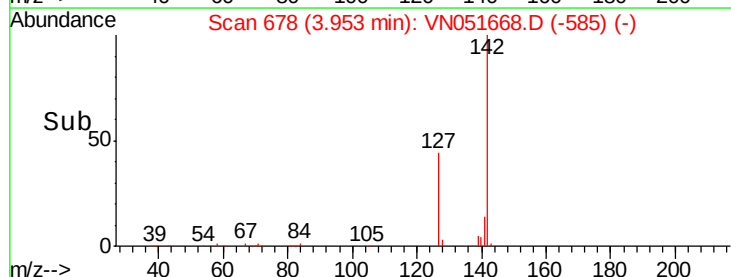
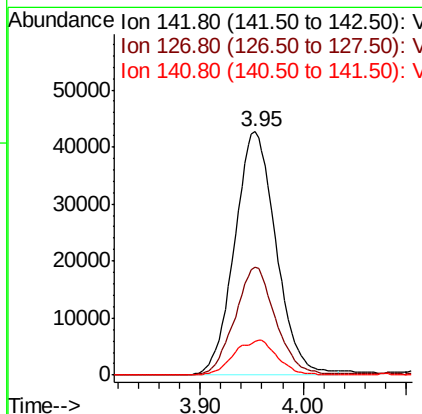
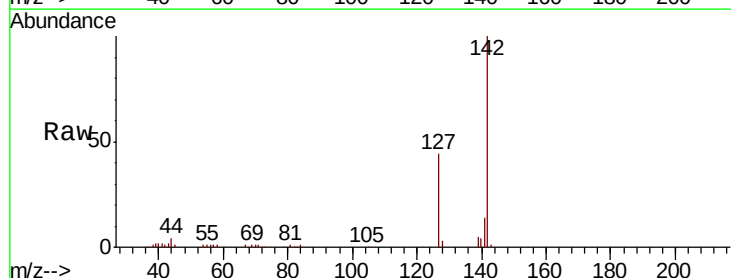
RT: 3.95 min Scan# 678

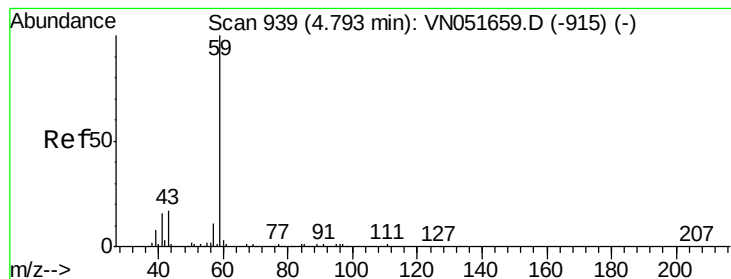
Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	142	Resp:	119322
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.7	52.1
141	15.0	11.4	17.2





#11

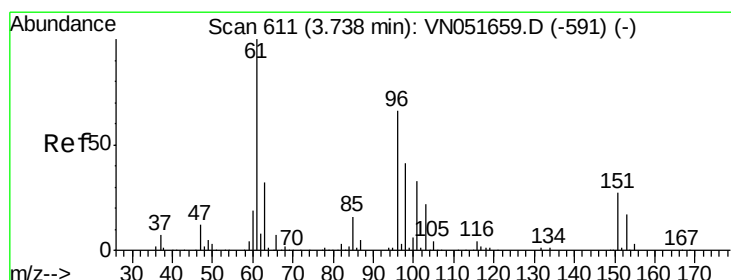
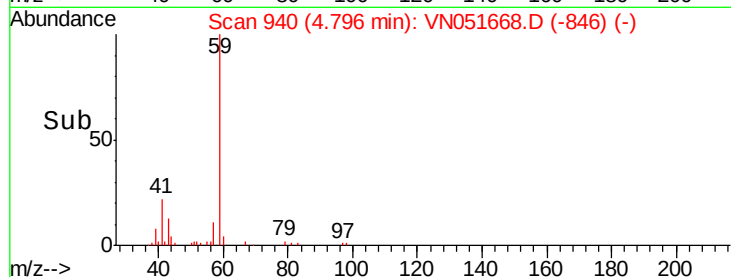
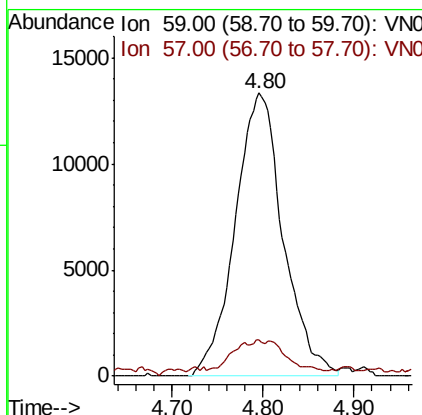
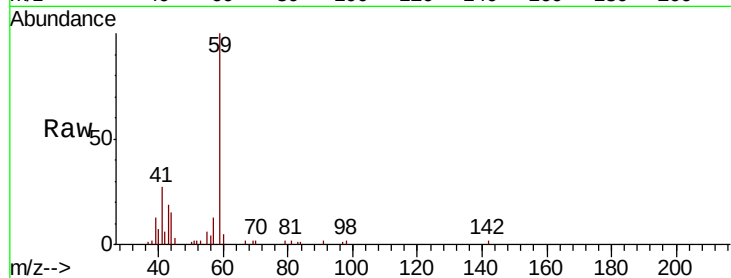
Tert butyl alcohol
 Concen: 106.026 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

Manual Integrations
 APPROVED

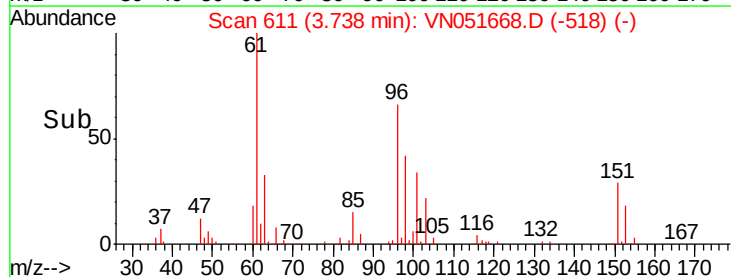
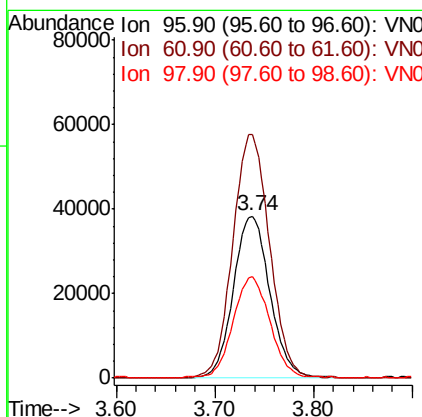
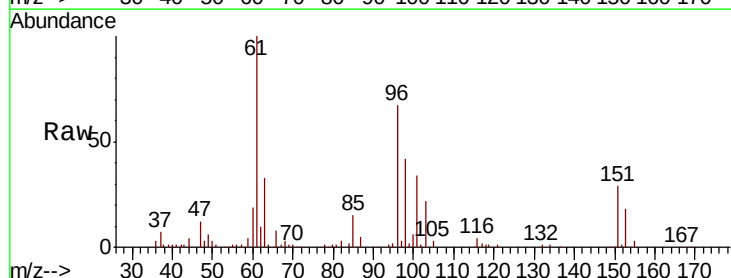
MMDadoda
 10/8/2018 1:53:14 PM

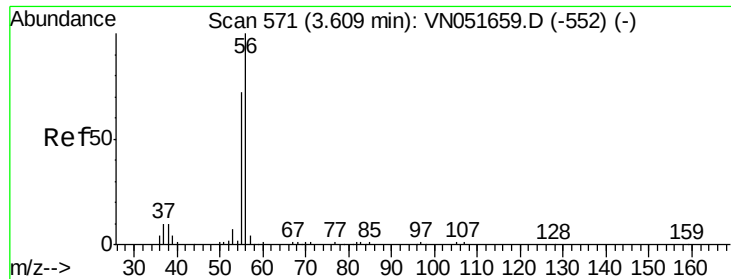


#12

1,1-Dichloroethene
 Concen: 20.623 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	121.4	182.0
98	62.5	49.9	74.9





#13

Acrolein

Concen: 122.033 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 56 Resp: 35168

Ion Ratio Lower Upper

56 100

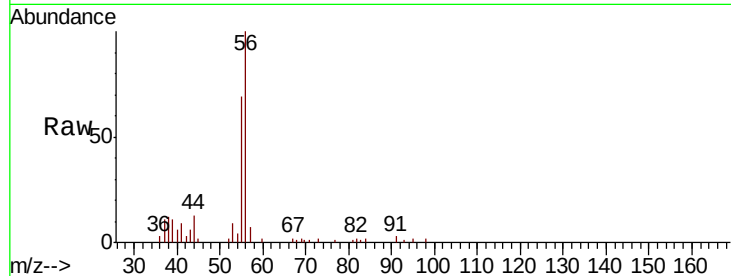
55 68.0 57.5 86.3

Manual Integrations

APPROVED

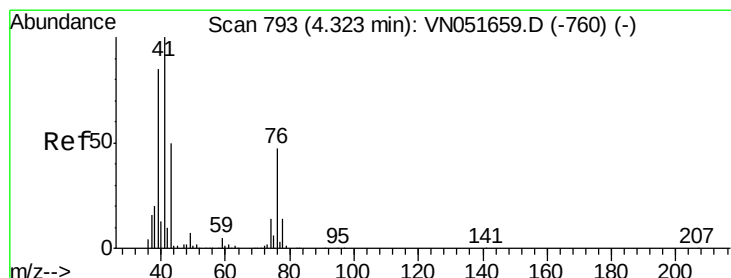
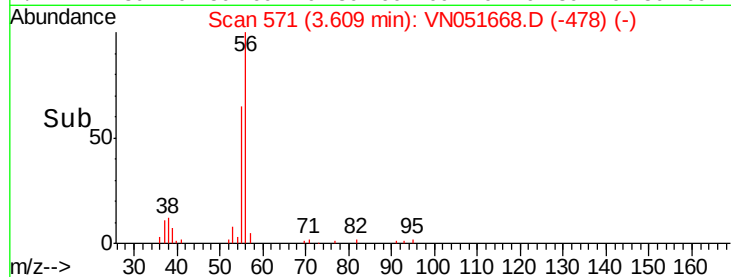
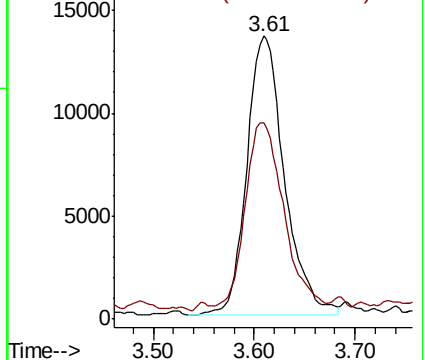
MMDadoda

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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: 20.667 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

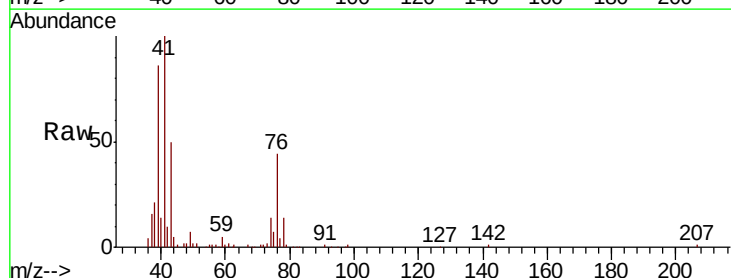
Tgt Ion: 41 Resp: 150821

Ion Ratio Lower Upper

41 100

39 83.9 65.4 98.0

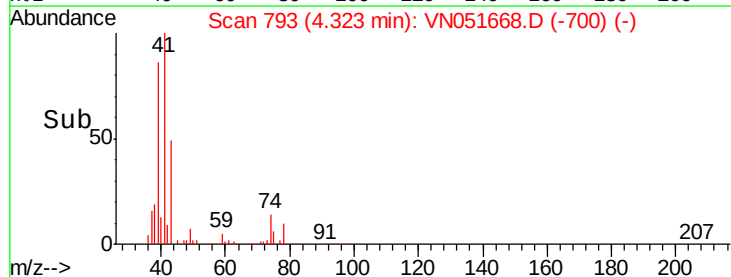
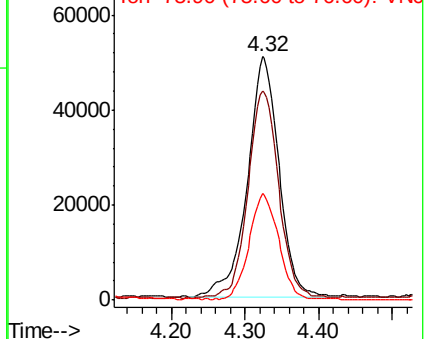
76 40.7 34.3 51.5

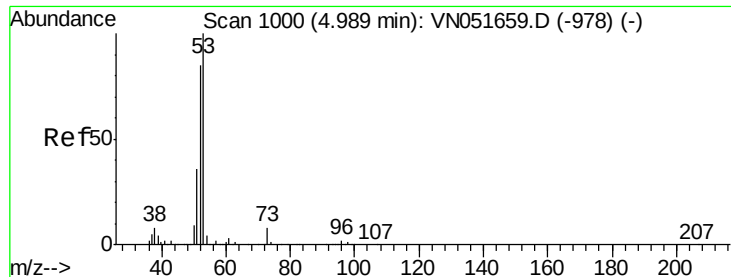


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.043 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

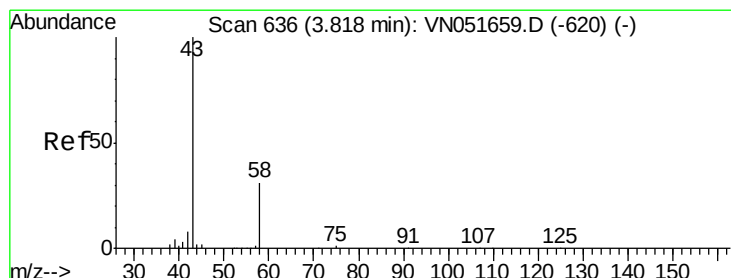
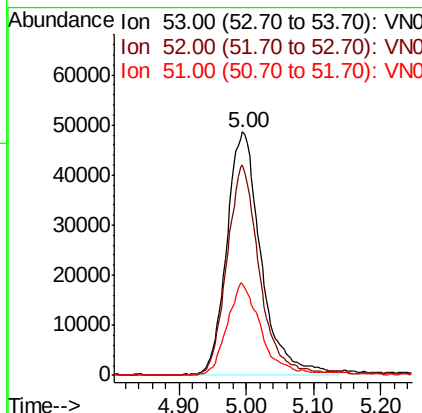
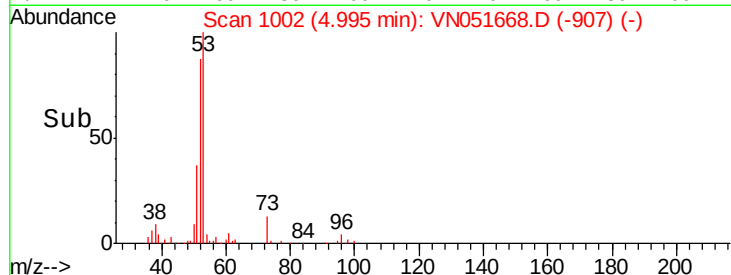
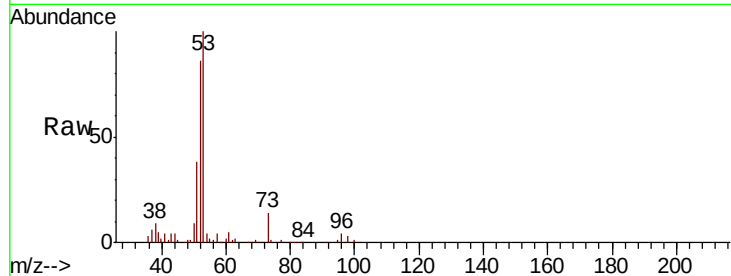
ClientSampleId :

VN1004WBSD01

Tot Ion:	53	Resp:	170389
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	37.2	30.3	45.5

Manual Integrations
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10/8/2018 1:53:14 PM



#16

Acetone

Concen: 99.863 ug/l

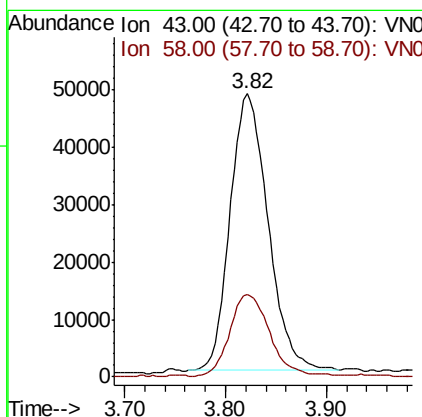
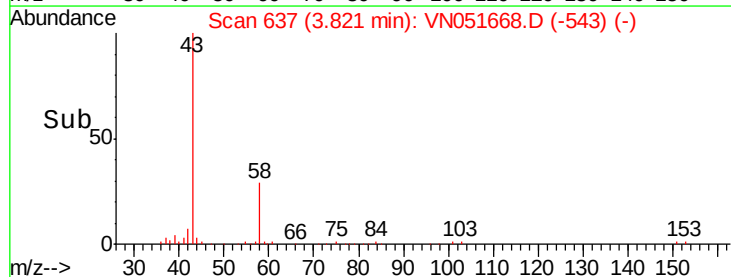
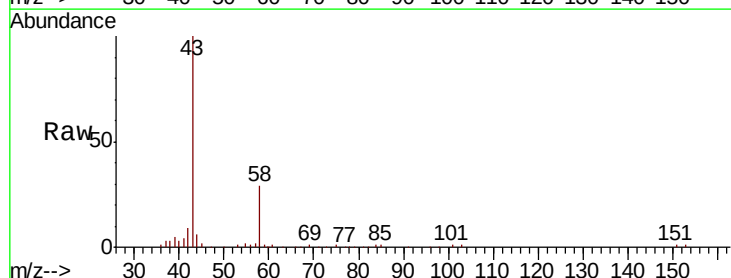
RT: 3.82 min Scan# 637

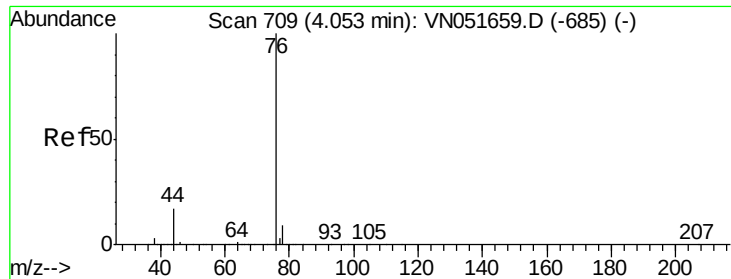
Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	43	Resp:	126386
Ion Ratio	Lower	Upper	
43	100		
58	29.3	24.3	36.5





#17

Carbon Disulfide

Concen: 19.981 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 76 Resp: 290608

Ion Ratio Lower Upper

76 100

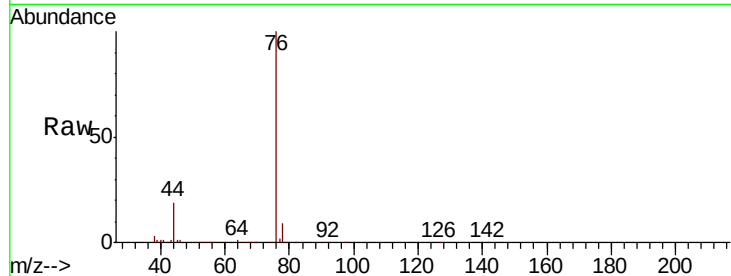
78 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

120000

100000

80000

60000

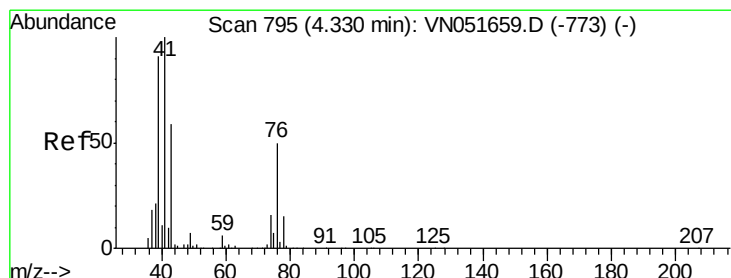
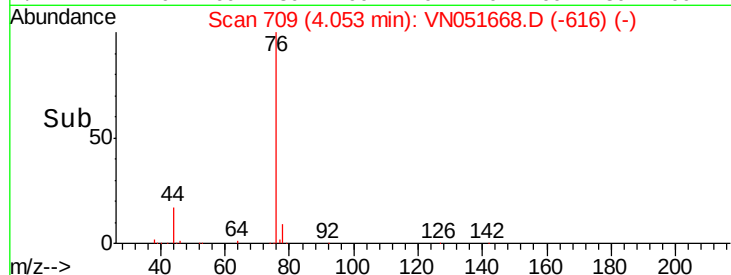
40000

20000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 21.375 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN051668.D

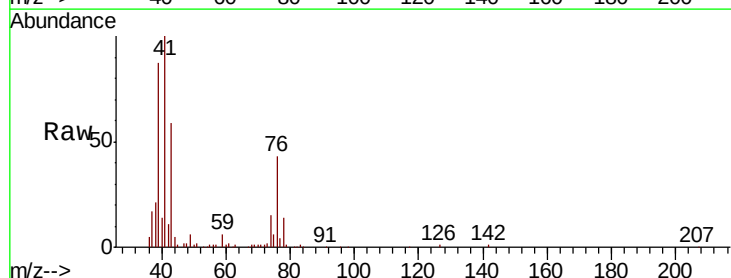
Acq: 4 Oct 2018 15:44

Tgt Ion: 43 Resp: 80078

Ion Ratio Lower Upper

43 100

74 26.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

30000

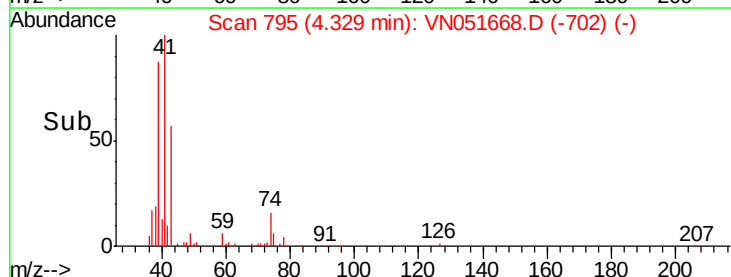
20000

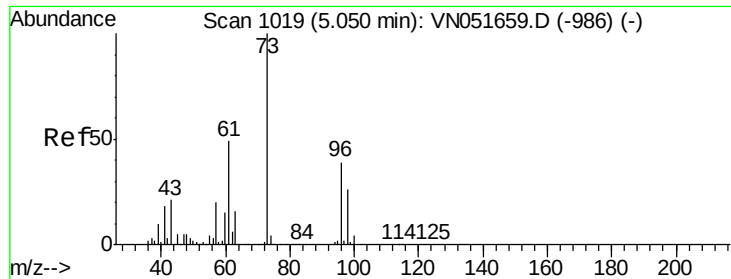
10000

0

4.30 4.40

Time-->





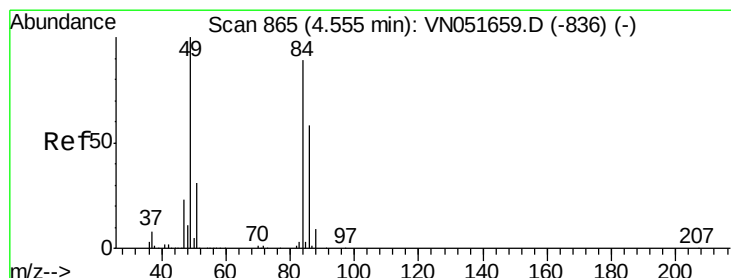
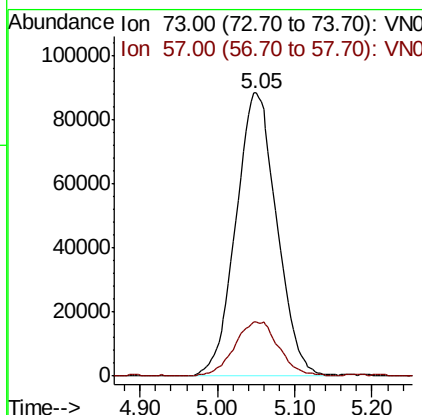
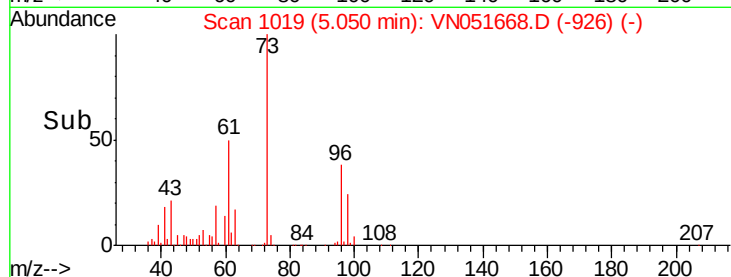
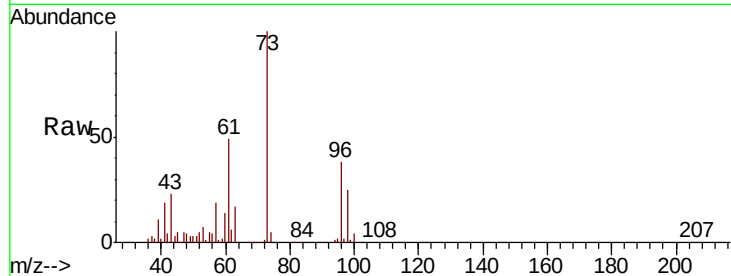
#19
Methyl tert-butyl Ether
Concen: 20.623 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion: 73 Resp: 325717
Ion Ratio Lower Upper
73 100
57 19.1 15.6 23.4

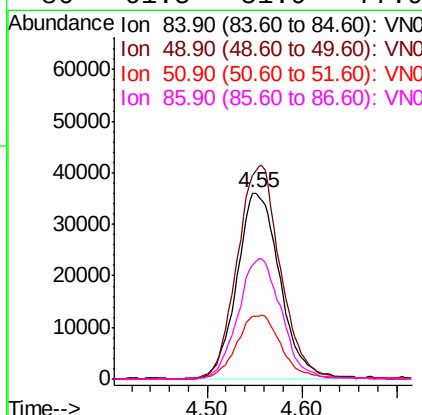
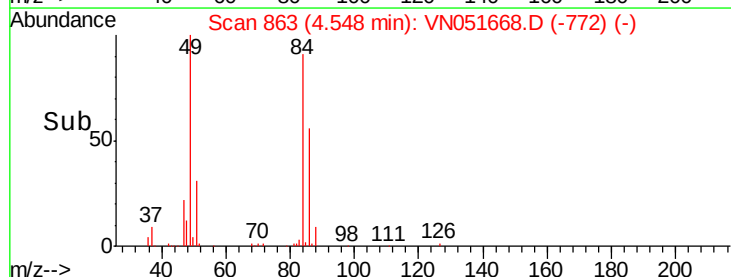
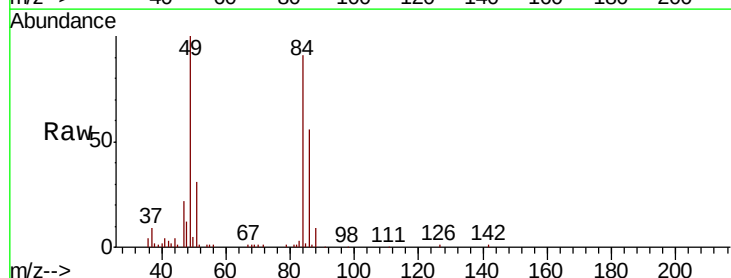
Manual Integrations
APPROVED

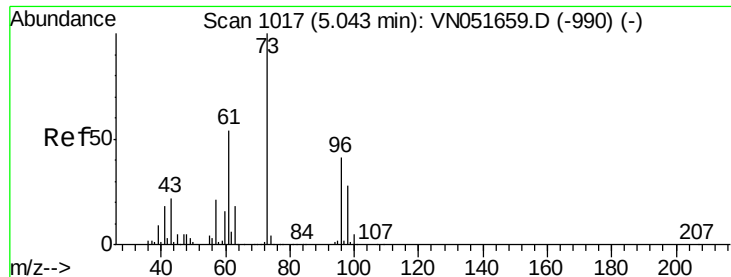
MMDadoda
10/8/2018 1:53:14 PM



#20
Methylene Chloride
Concen: 20.360 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 84 Resp: 113699
Ion Ratio Lower Upper
84 100
49 109.4 89.5 134.3
51 32.7 27.4 41.0
86 61.5 51.9 77.9





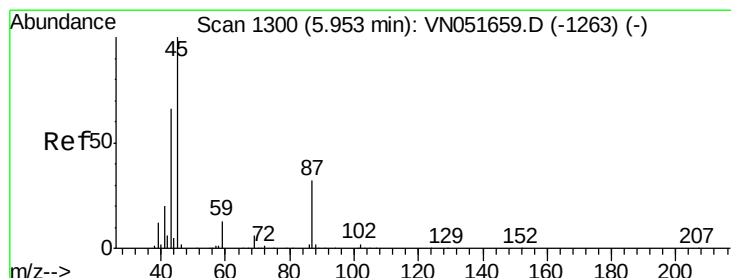
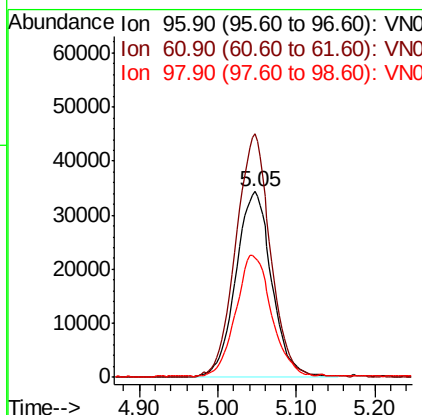
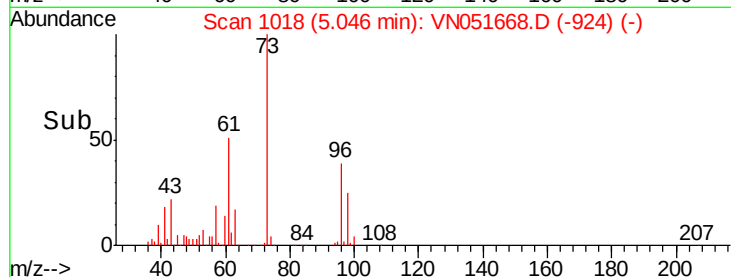
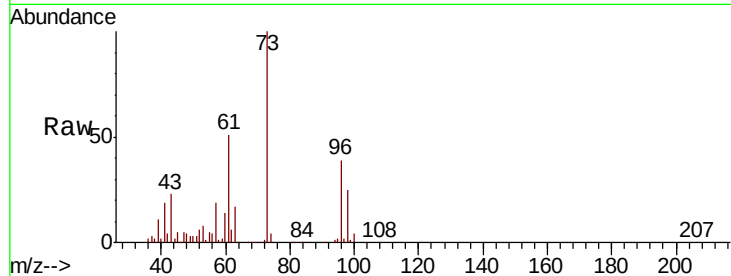
#21
trans-1,2-Dichloroethene
Concen: 19.464 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	104.7	157.1
98	63.9	54.6	82.0

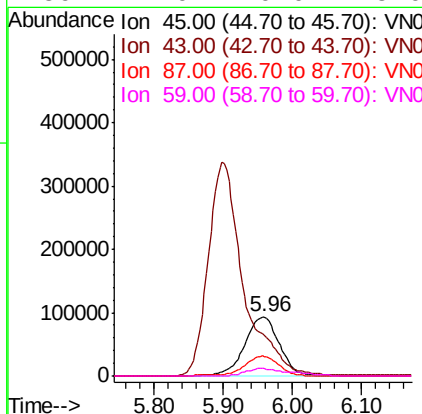
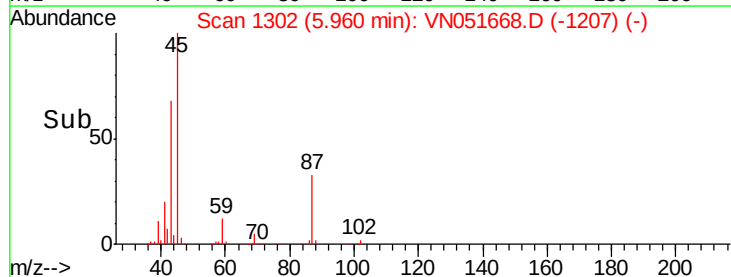
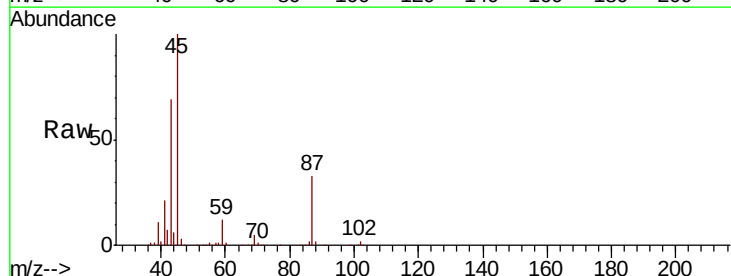
Manual Integrations
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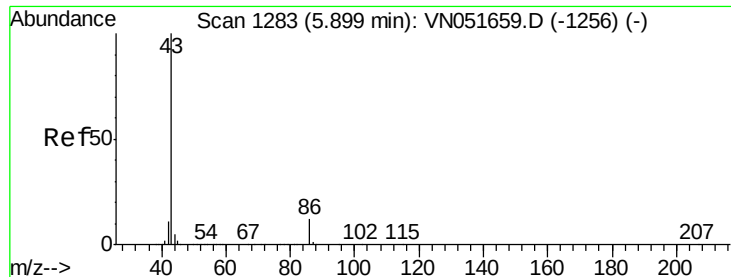
MMDadoda
10/8/2018 1:53:14 PM



#22
Diisopropyl ether
Concen: 20.494 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.5	53.0	79.4
87	32.9	26.4	39.6
59	12.0	10.0	15.0





#23

Vinyl Acetate

Concen: 103.368 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 43 Resp: 1188975

Ion Ratio Lower Upper

43 100

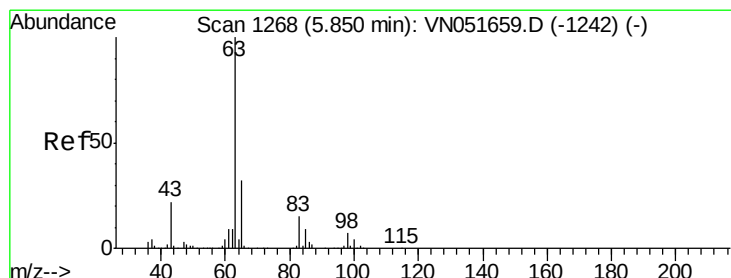
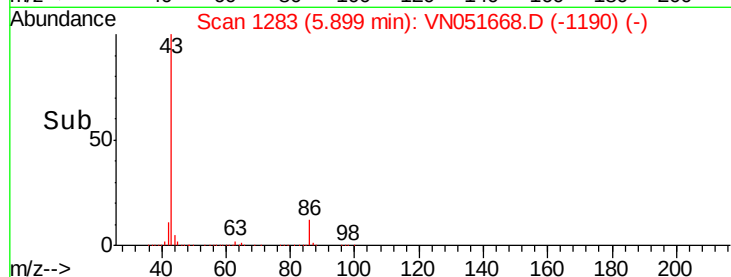
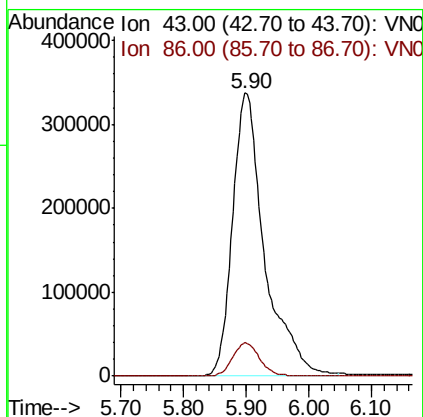
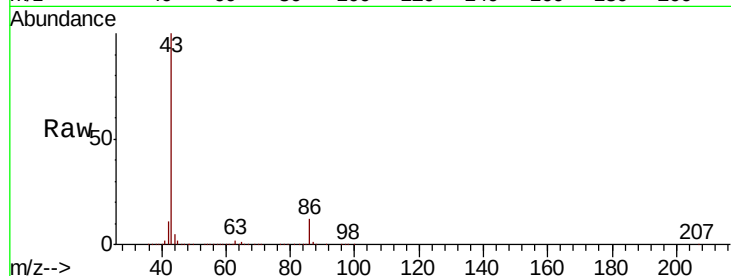
86 11.8 9.3 13.9

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.354 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

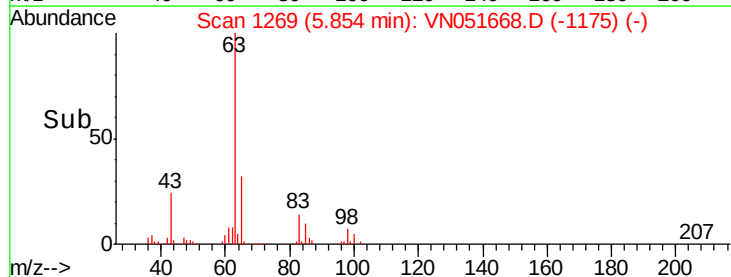
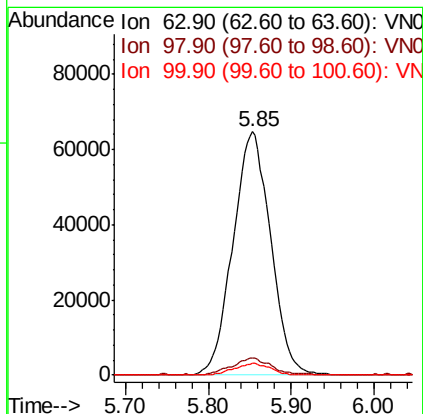
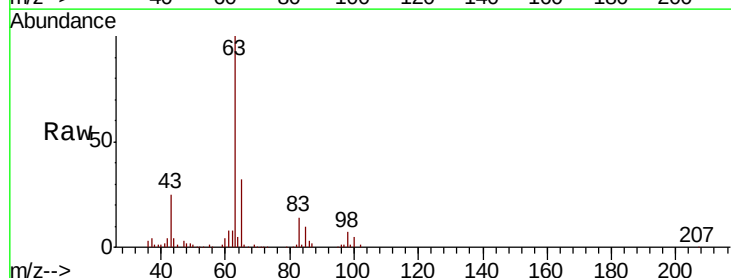
Tgt Ion: 63 Resp: 204781

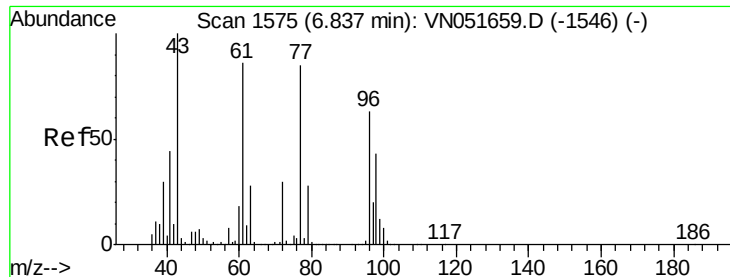
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

100 4.8 2.2 6.6





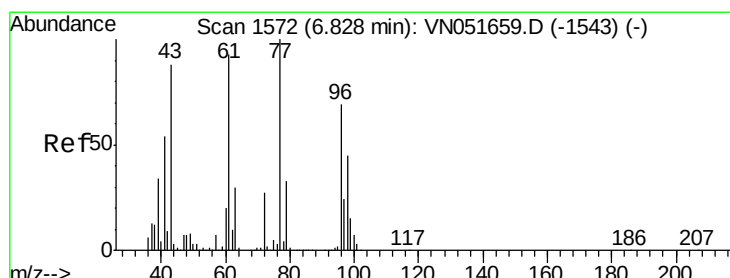
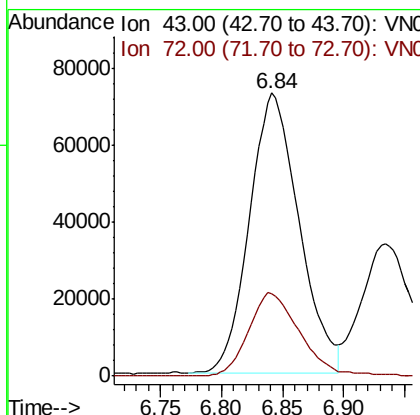
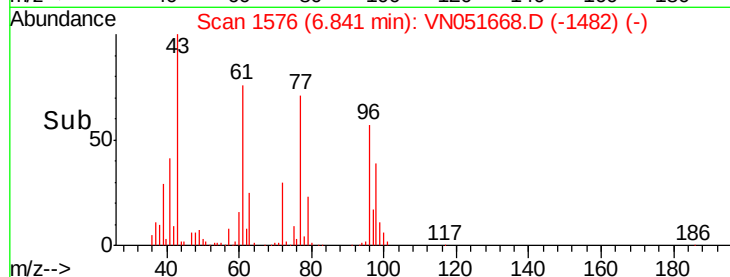
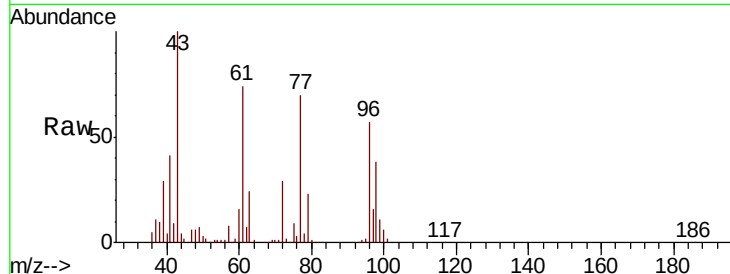
#25
2-Butanone
Concen: 104.885 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion: 43 Resp: 205570
Ion Ratio Lower Upper
43 100
72 29.5 24.2 36.2

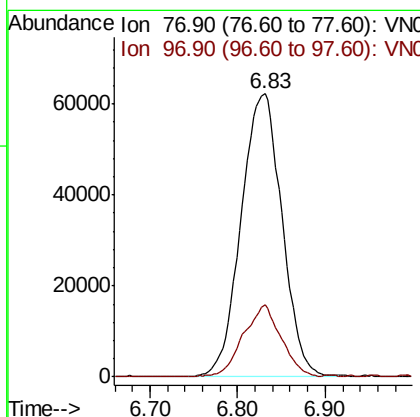
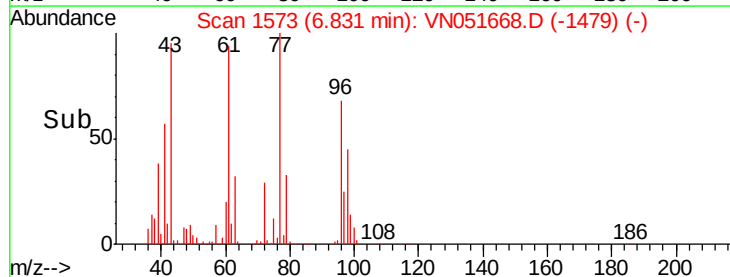
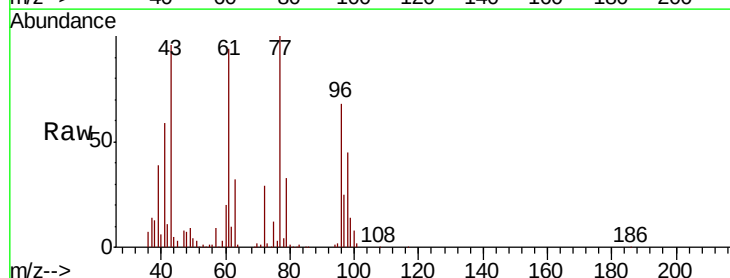
Manual Integrations
APPROVED

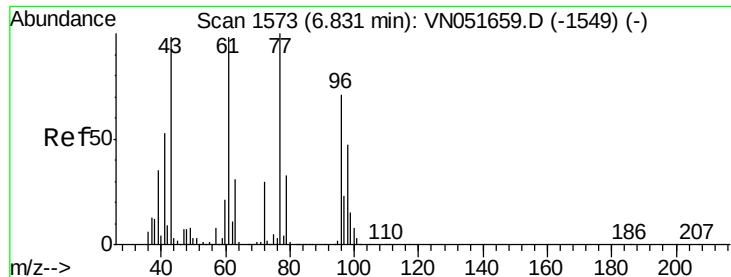
MMDadoda
10/8/2018 1:53:14 PM



#26
2,2-Dichloropropane
Concen: 20.051 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 77 Resp: 202154
Ion Ratio Lower Upper
77 100
97 23.7 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.623 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

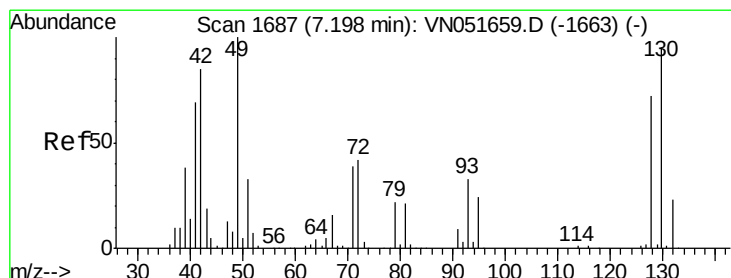
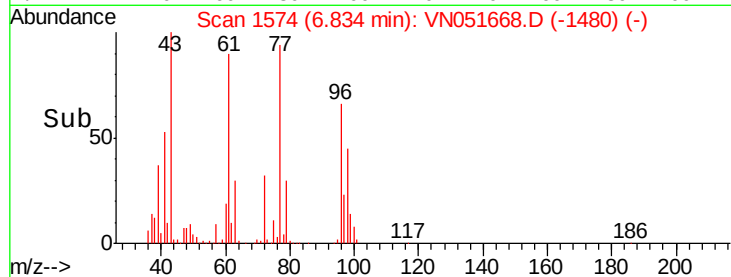
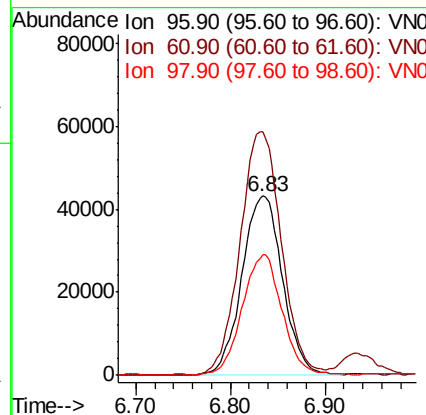
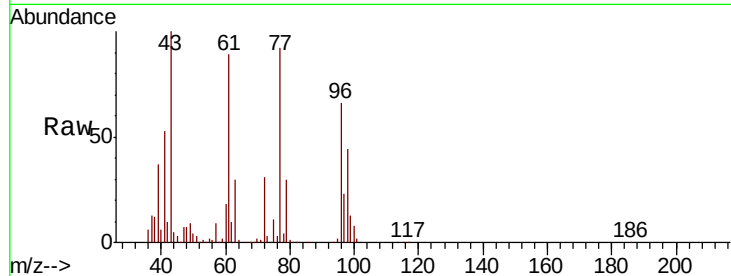
ClientSampleId :

VN1004WBSD01

Tot Ion:	96	Resp:	129163
Ion Ratio	Lower	Upper	
96	100		
61	138.1	0.0	275.4
98	66.6	0.0	129.6

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#28

Bromochloromethane

Concen: 20.180 ug/l

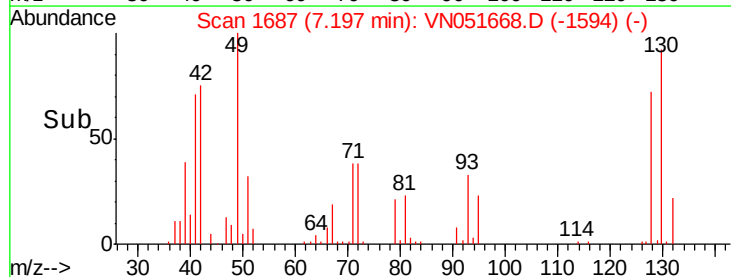
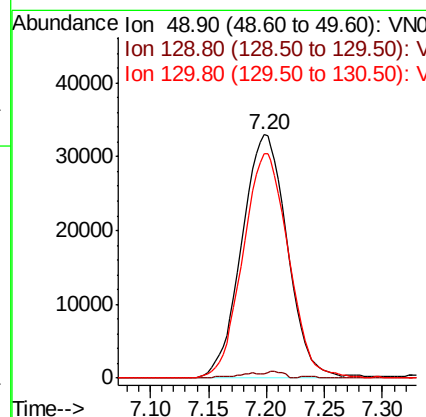
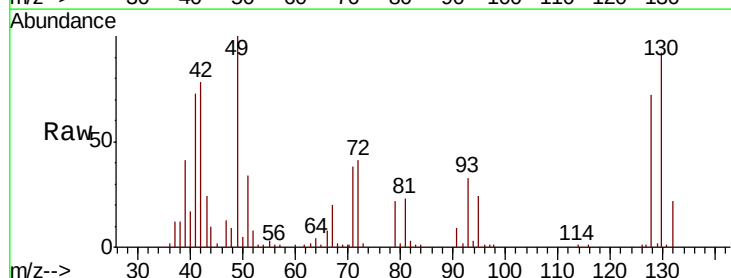
RT: 7.20 min Scan# 1687

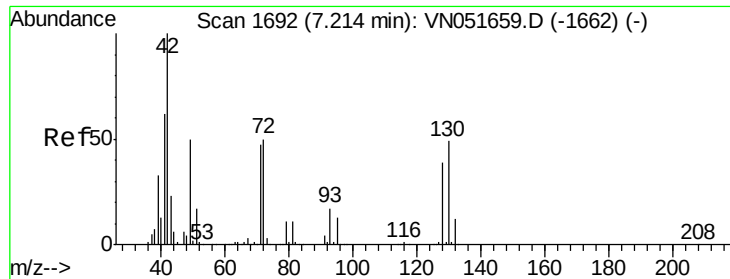
Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	49	Resp:	89882
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	4.8
130	92.7	75.7	113.5





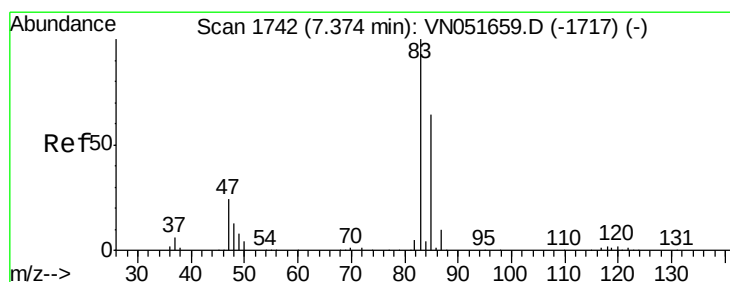
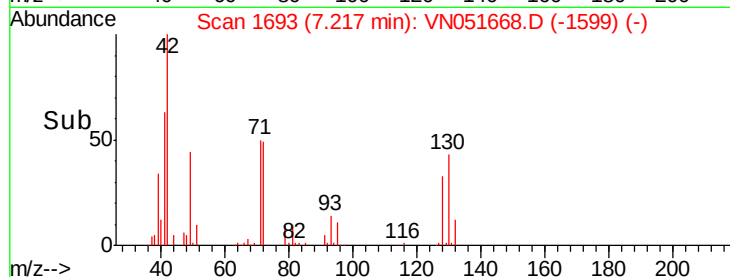
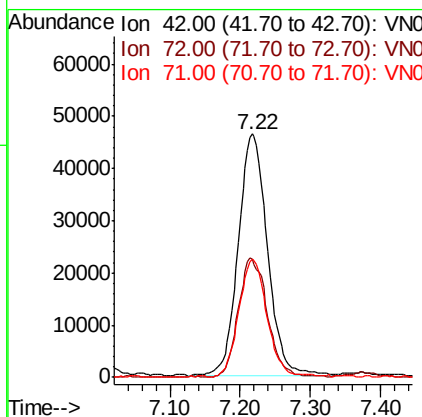
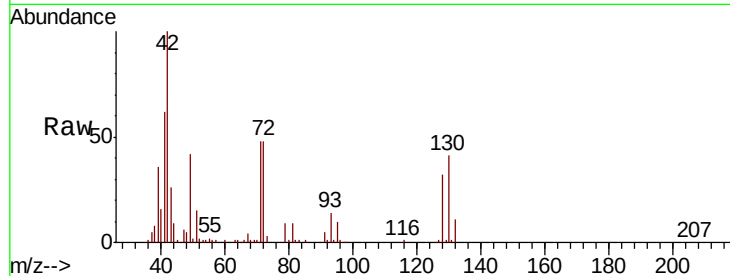
#29
Tetrahydrofuran
Concen: 111.388 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	40.1	60.1
71	46.9	38.0	57.0

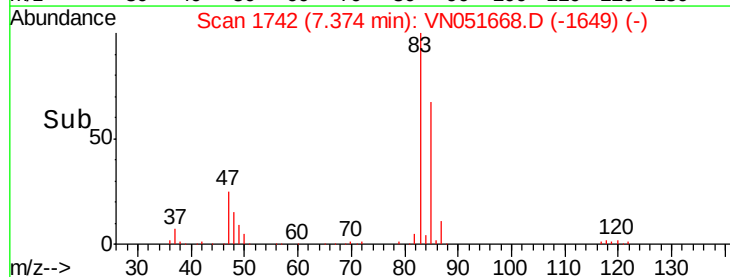
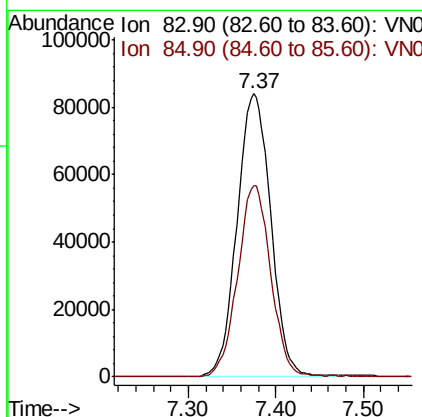
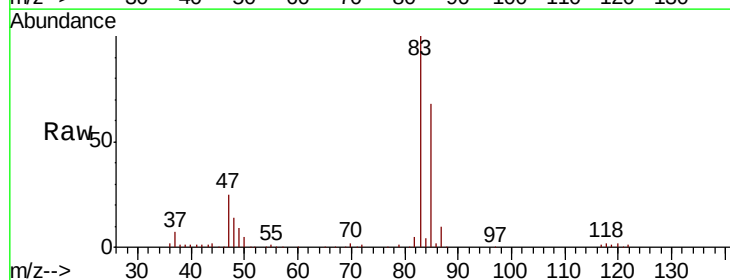
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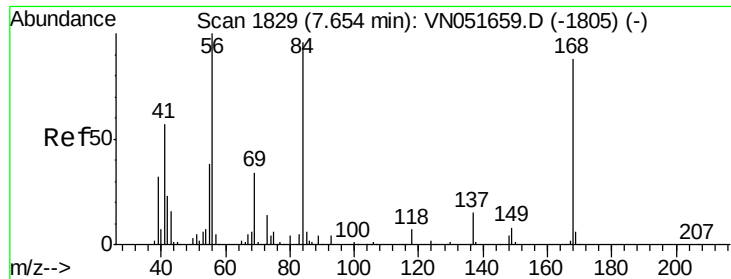
MMDadoda
10/8/2018 1:53:14 PM



#30
Chloroform
Concen: 19.913 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.6	77.4





#31

Cyclohexane

Concen: 19.868 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 56 Resp: 183065

Ion Ratio Lower Upper

56 100

69 36.9 27.5 41.3

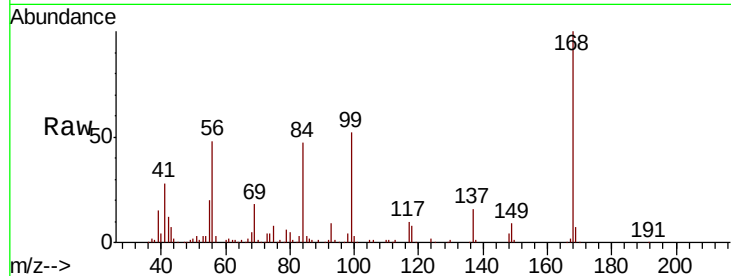
84 95.2 76.7 115.1

Manual Integrations

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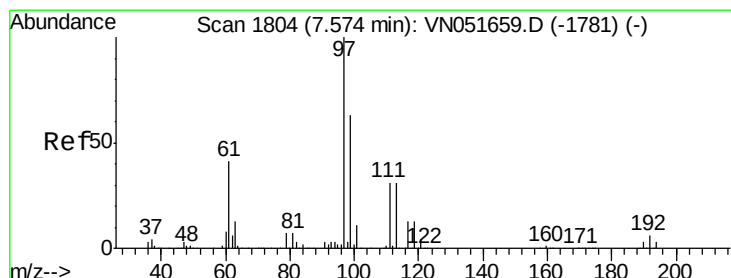
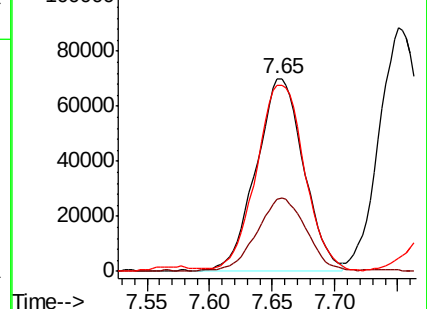
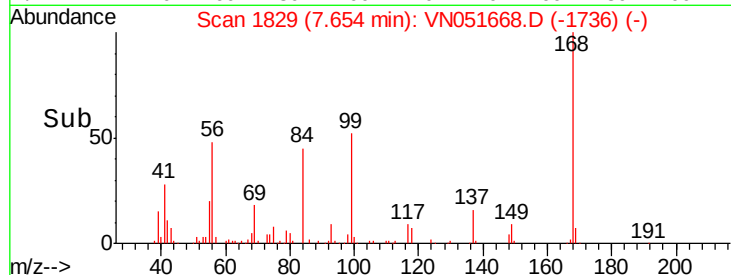
10/8/2018 1:53:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051668.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051668.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051668.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.715 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

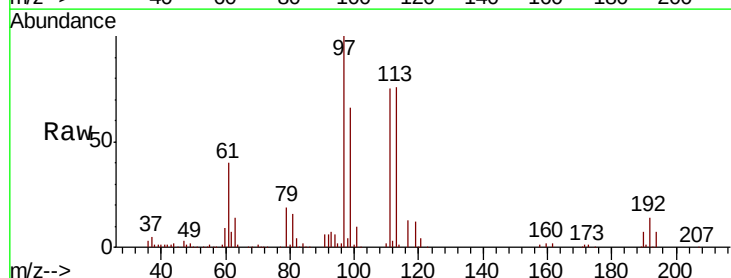
Tgt Ion: 97 Resp: 216015

Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

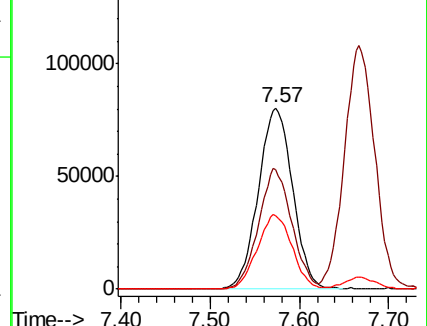
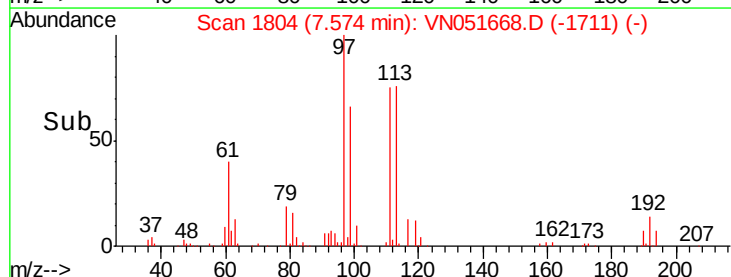
61 41.4 33.4 50.0

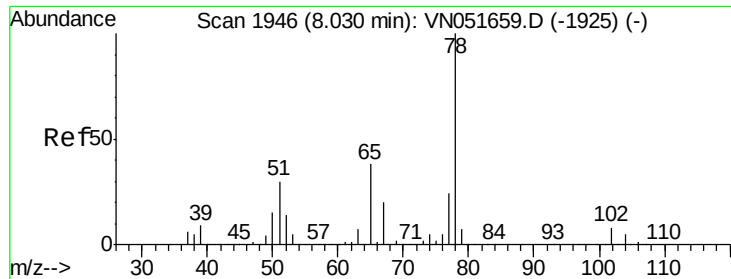


Abundance Ion 96.90 (96.60 to 97.60): VN051668.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051668.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051668.D (-1711) (-)





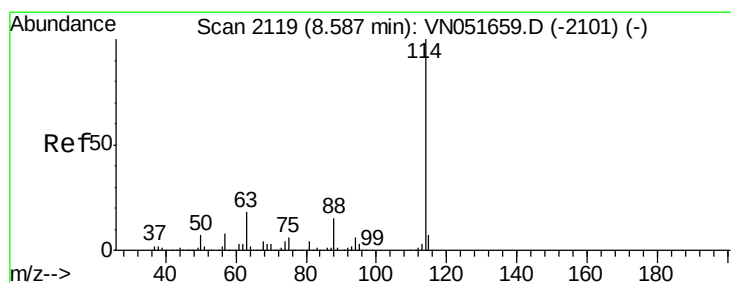
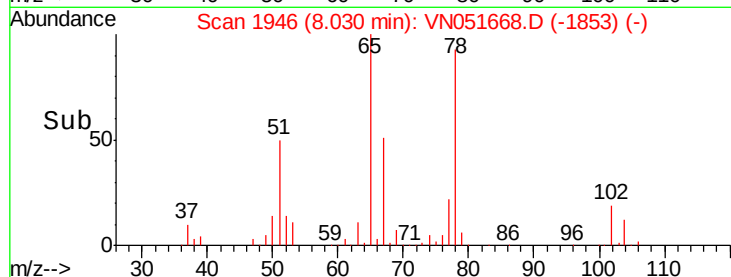
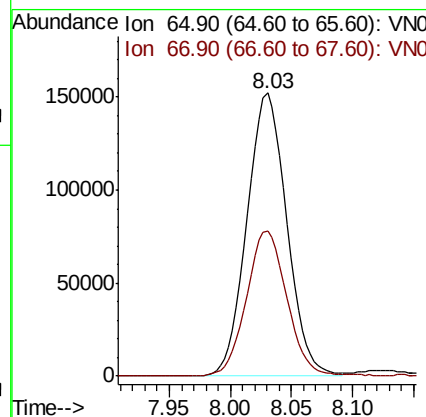
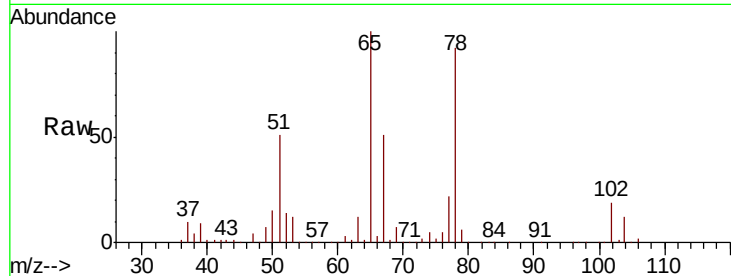
#33
 1,2-Dichloroethane-d4
 Concen: 19.715 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	344047		
67	51.3	0.0	103.6	

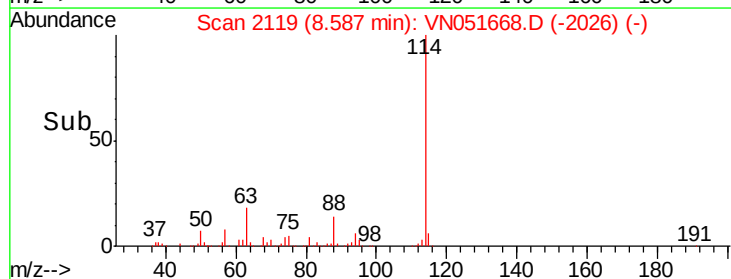
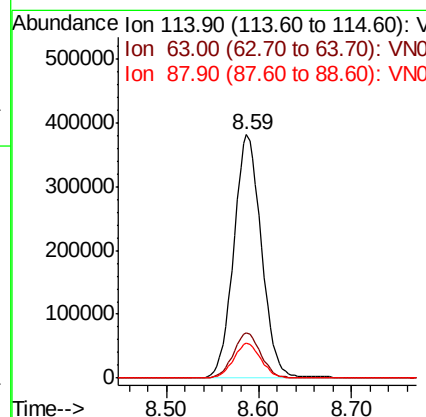
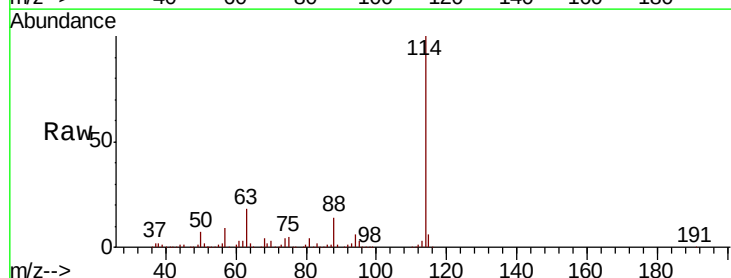
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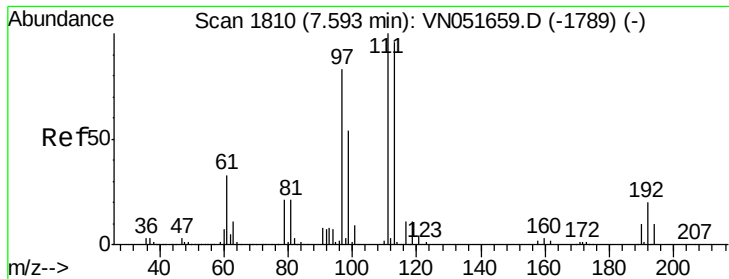
MMDadoda
 10/8/2018 1:53:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	789890		
63	18.4	0.0	36.2	
88	14.3	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

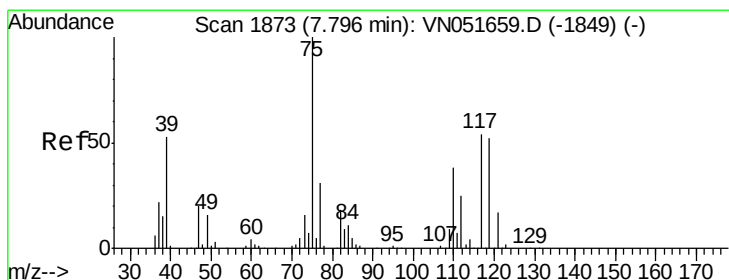
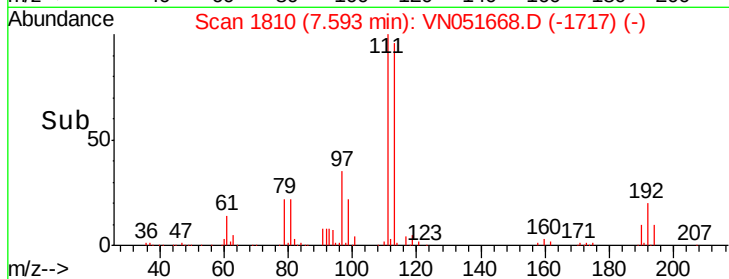
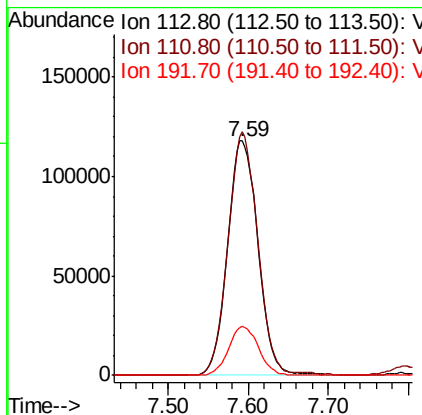
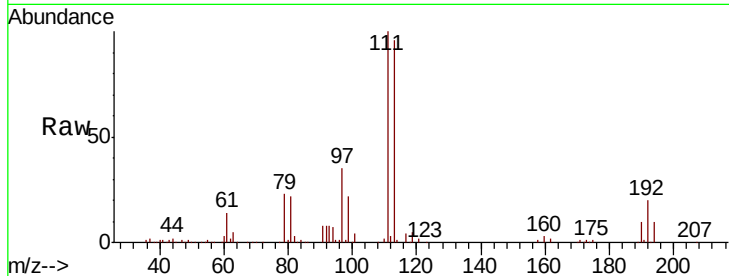
ClientSampleId :

VN1004WBSD01

Tot Ion:	113	Resp:	304470
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.8	122.8
192	20.6	16.5	24.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.840 ug/l

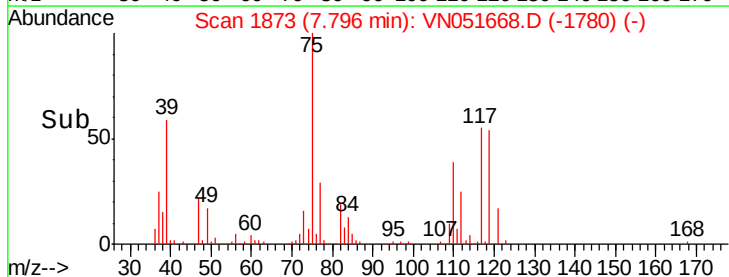
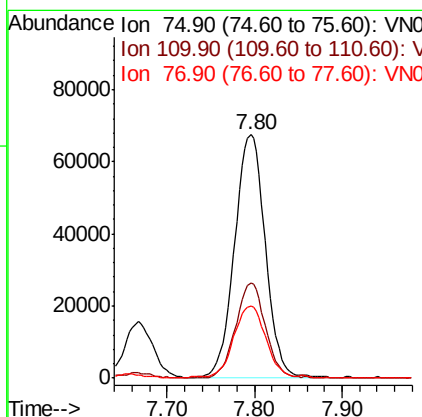
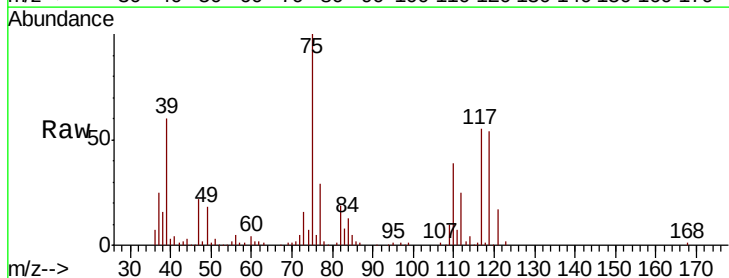
RT: 7.80 min Scan# 1873

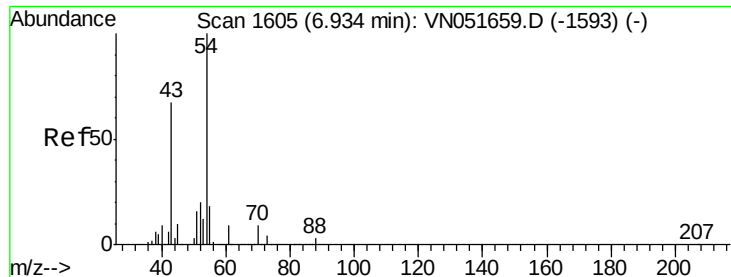
Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	75	Resp:	163802
Ion Ratio	Lower	Upper	
75	100		
110	38.1	19.3	57.8
77	30.7	24.7	37.1





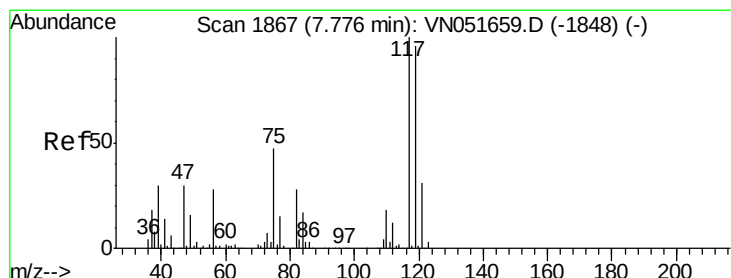
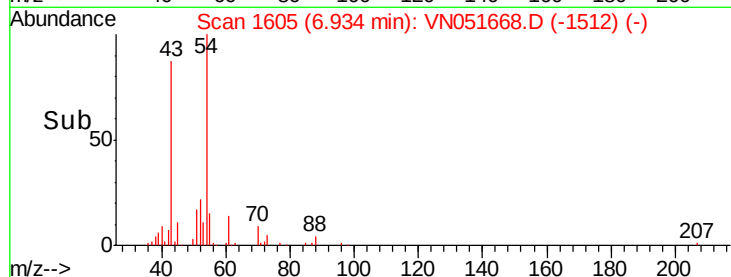
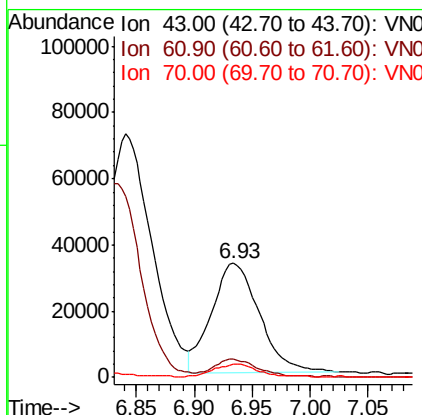
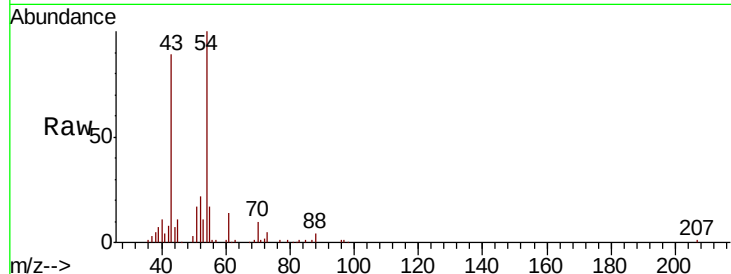
#37
Ethyl Acetate
Concen: 22.206 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.8	17.6
70	10.0	8.7	13.1

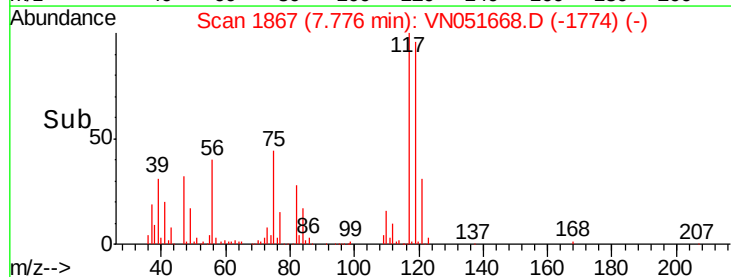
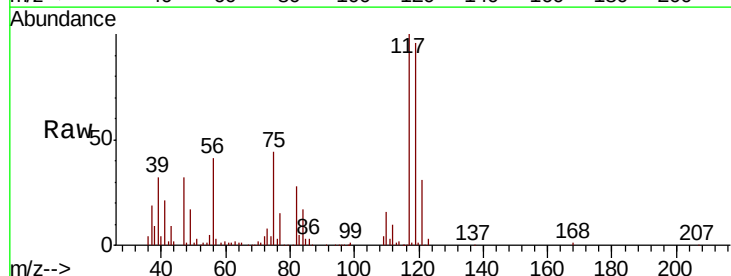
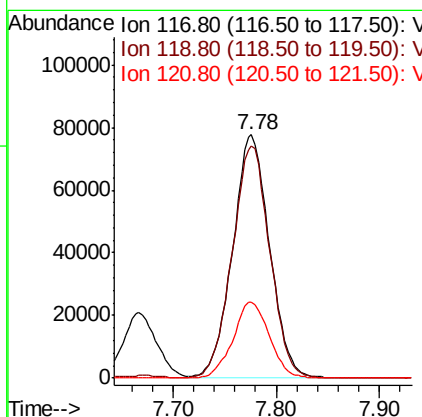
Manual Integrations
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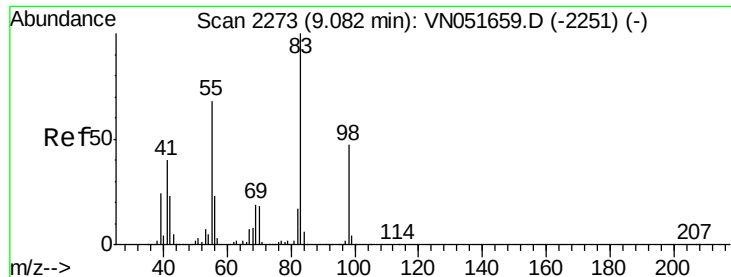
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.444 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.6
121	31.2	25.0	37.6





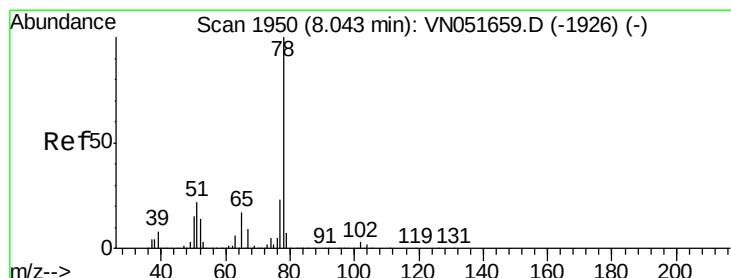
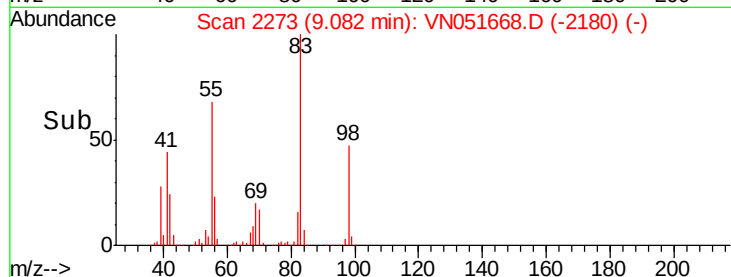
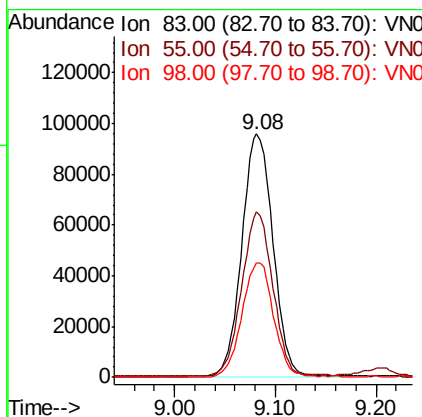
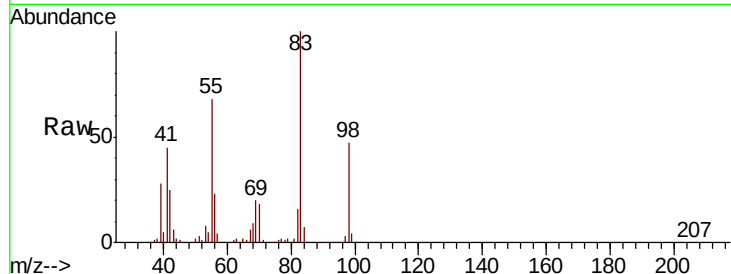
#39
Methylvlcyclohexane
Concen: 19.754 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	54.3	81.5
98	46.5	37.4	56.2

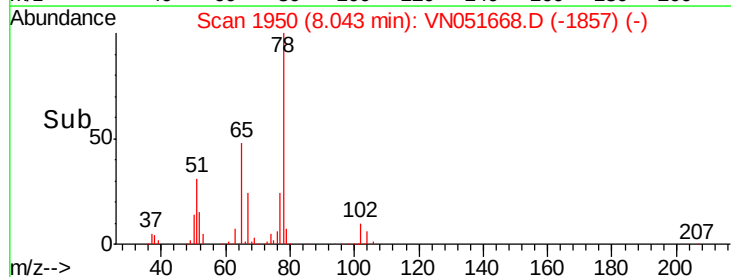
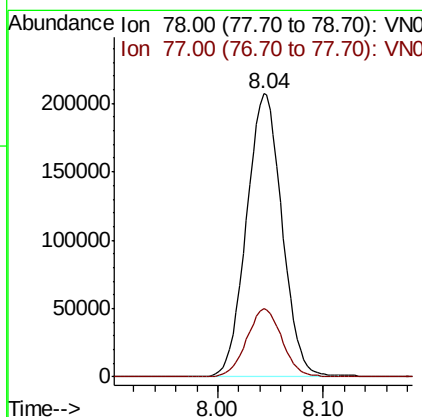
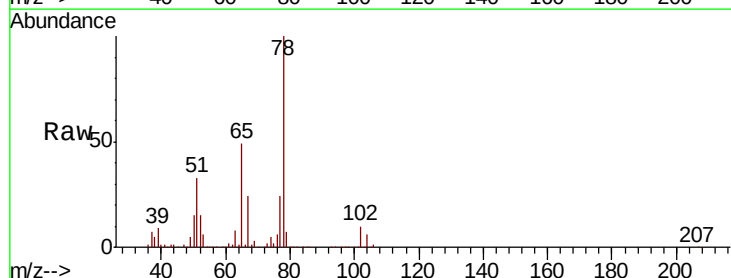
Manual Integrations
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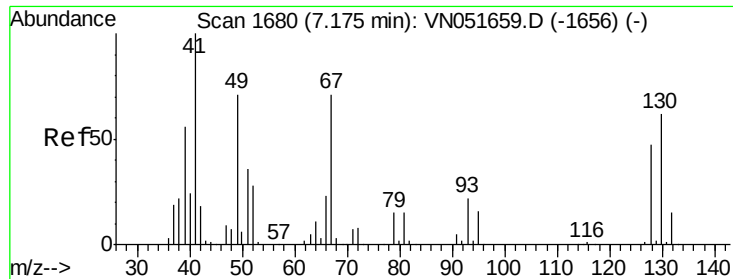
MMDadoda
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#40
Benzene
Concen: 19.880 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7





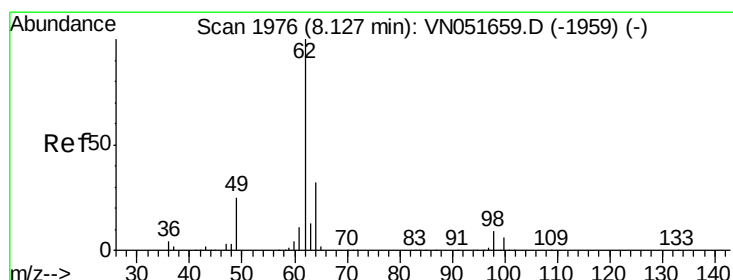
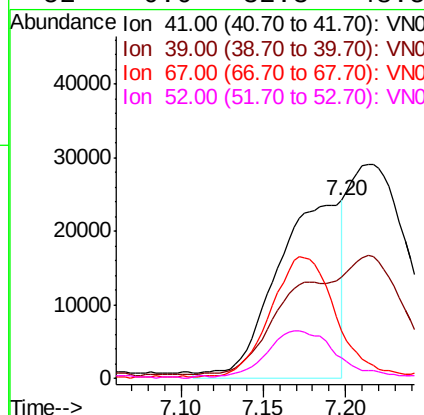
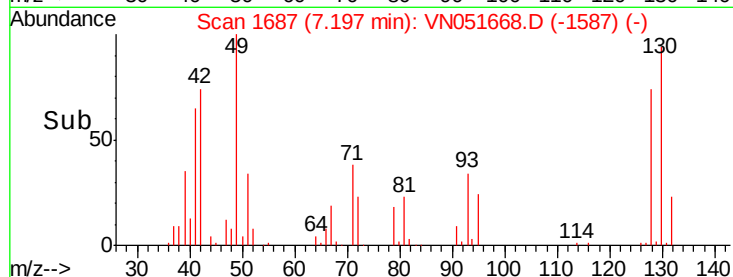
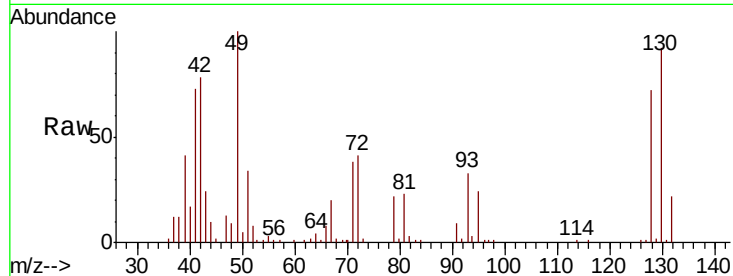
#41
Methacrylonitrile
Concen: 29.542 ug/l m
RT: 7.20 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#

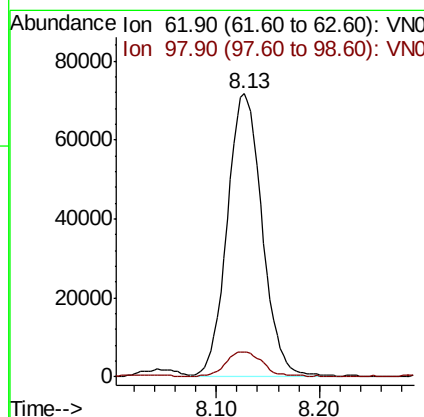
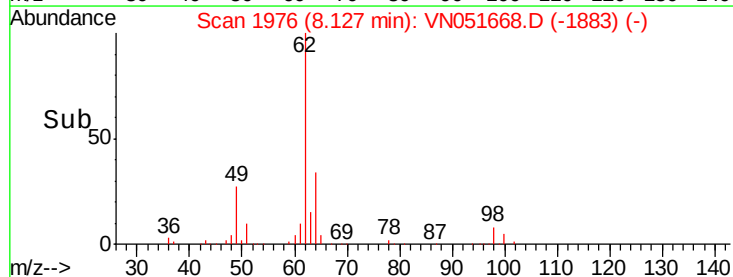
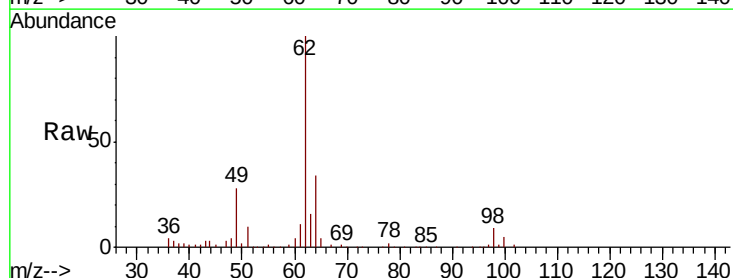
Manual Integrations
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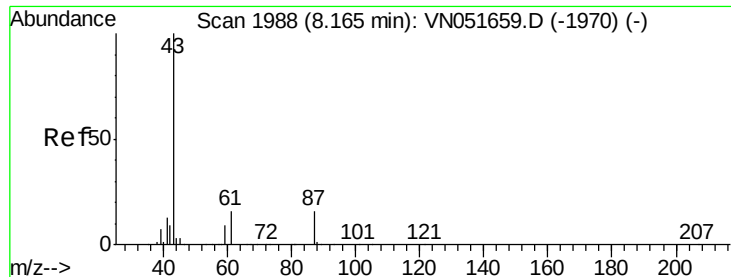
MMDadoda
10/8/2018 1:53:14 PM



#42
1,2-Dichloroethane
Concen: 20.451 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.989 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

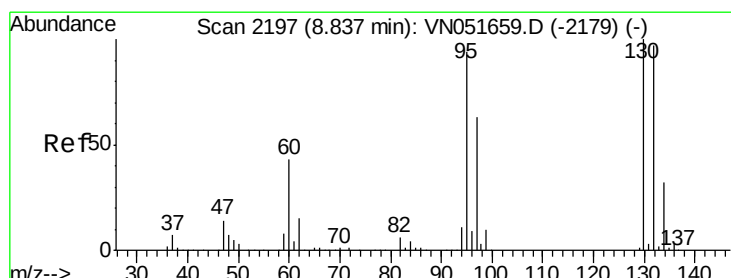
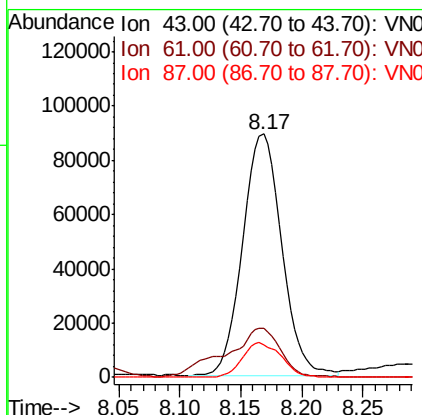
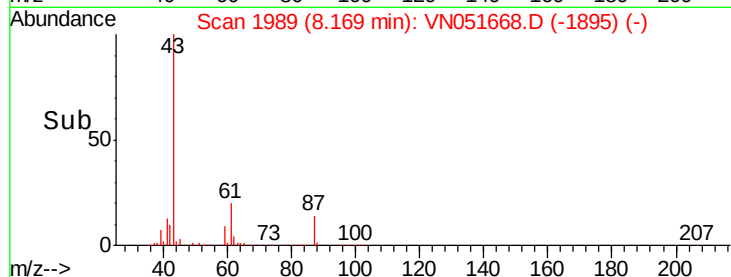
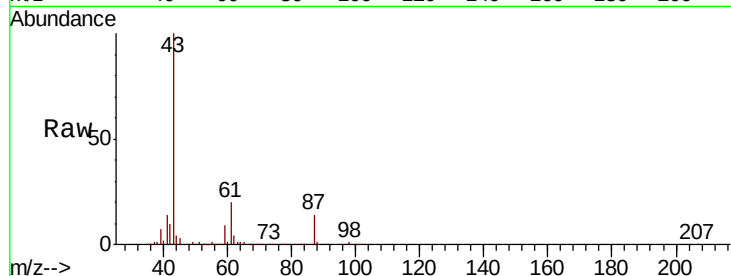
ClientSampleId :

VN1004WBSD01

Tot Ion:	43	Resp:	197411
Ion	Ratio	Lower	Upper
43	100		
61	27.9	15.8	23.6#
87	14.5	12.6	19.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.874 ug/l

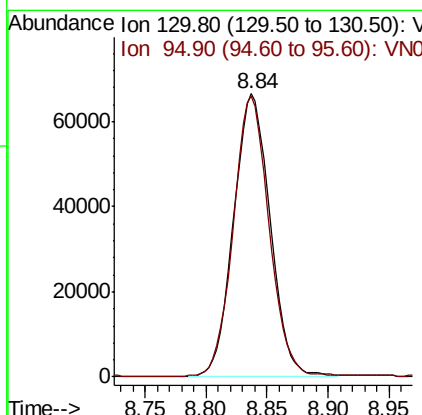
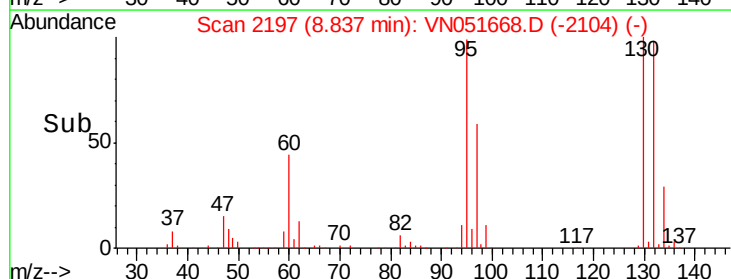
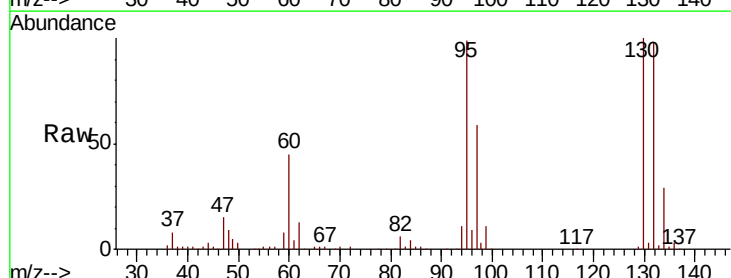
RT: 8.84 min Scan# 2197

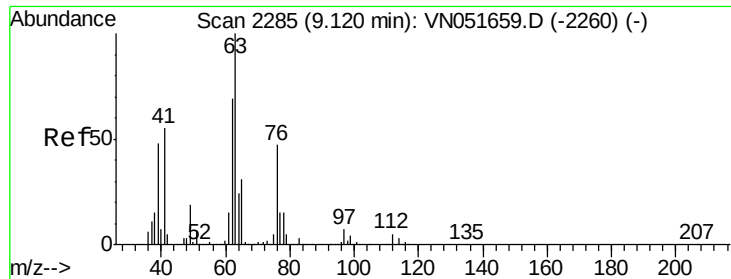
Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	130	Resp:	138118
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	188.0





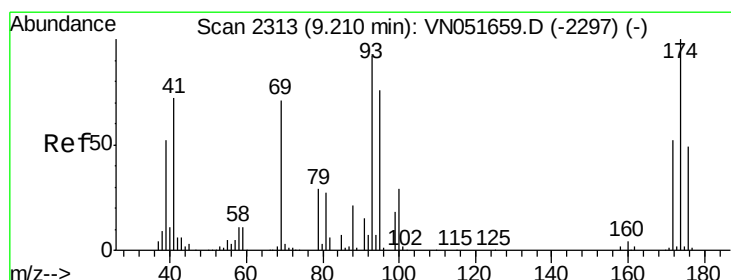
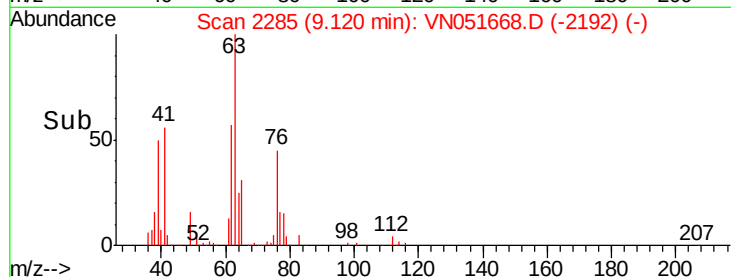
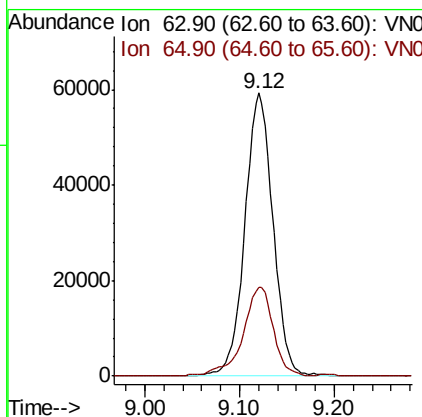
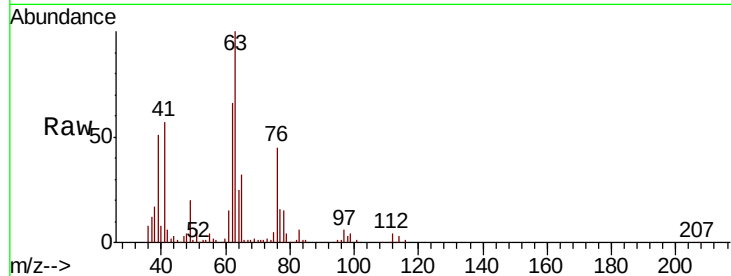
#45
 1,2-Dichloropropane
 Concen: 20.263 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion: 63 Resp: 122616
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

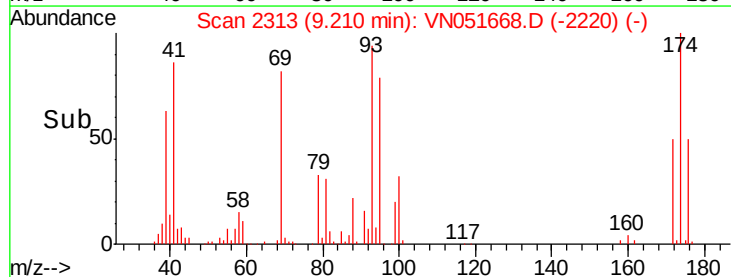
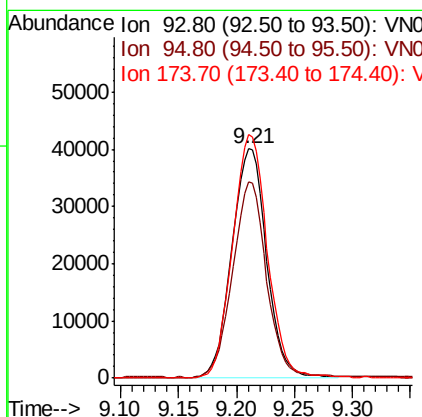
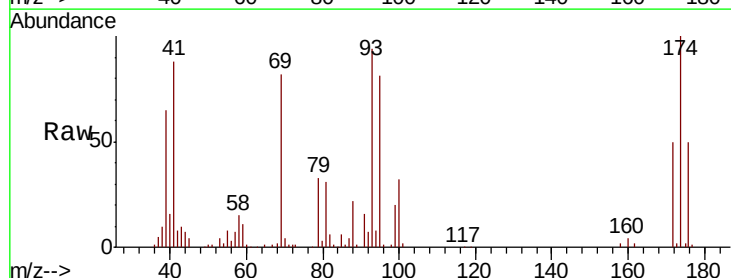
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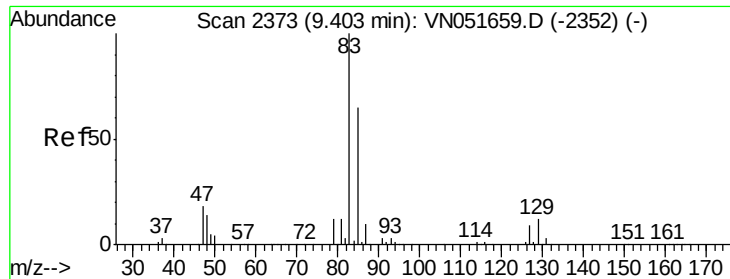
MMDadoda
 10/8/2018 1:53:14 PM



#46
 Dibromomethane
 Concen: 19.808 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 93 Resp: 83314
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 106.2 85.9 128.9





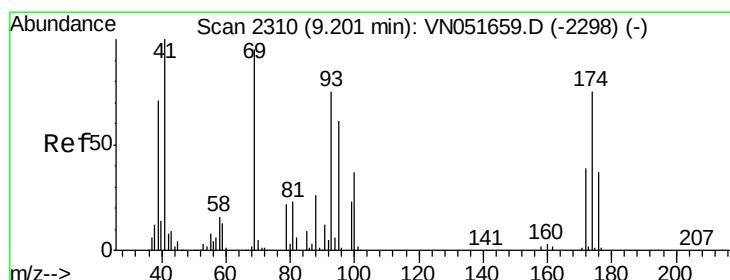
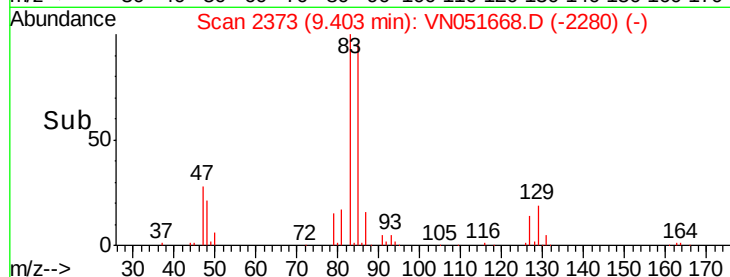
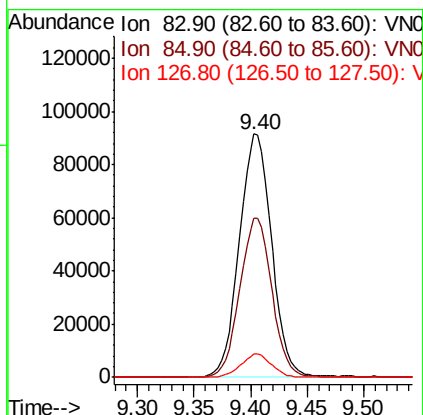
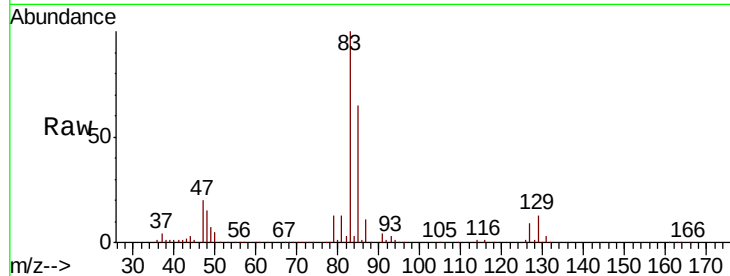
#47
Bromodichloromethane
Concen: 19.733 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.6	77.4
127	9.4	7.3	10.9

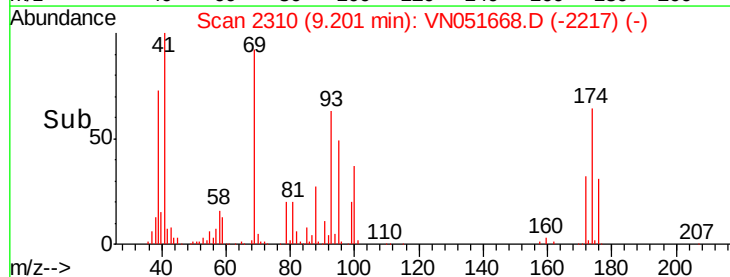
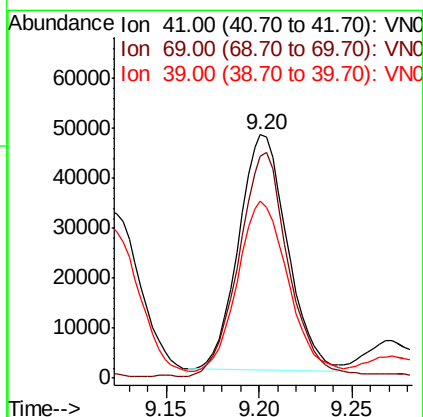
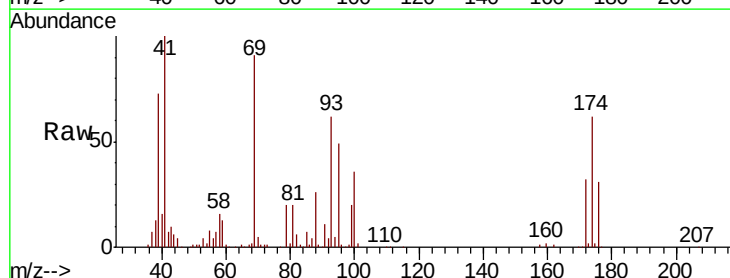
Manual Integrations
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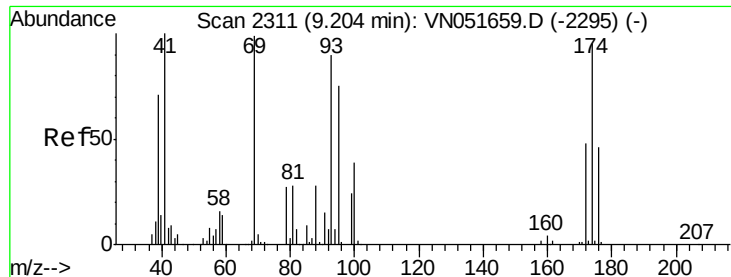
MMDadoda
10/8/2018 1:53:14 PM



#48
Methyl methacrylate
Concen: 20.941 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.5	78.6	118.0
39	77.2	59.2	88.8





#49

1,4-Dioxane

Concen: 403.048 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 88 Resp: 24793

Ion Ratio Lower Upper

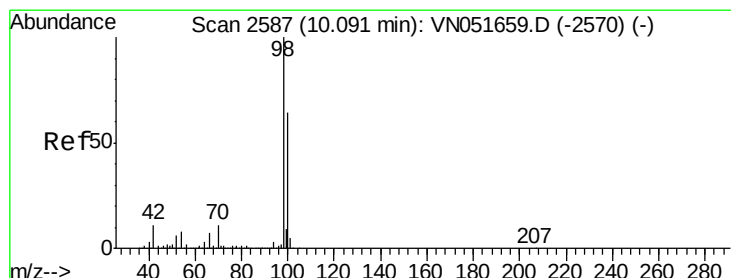
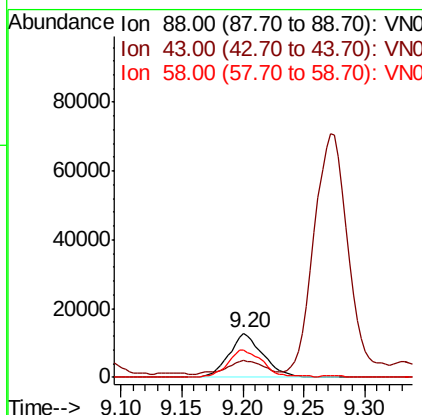
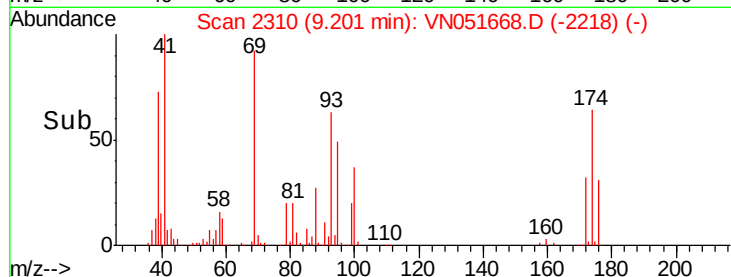
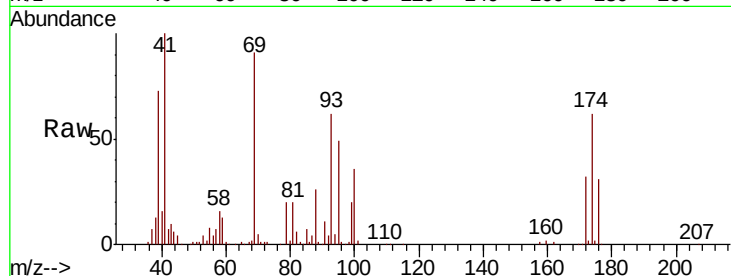
88 100

43 33.5 24.5 36.7

58 64.9 47.6 71.4

Manual Integrations
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#50

Toluene-d8

Concen: 403.048 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051668.D

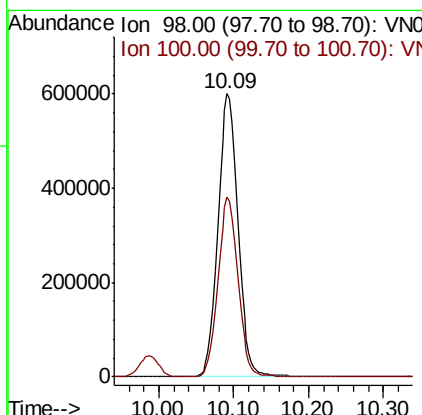
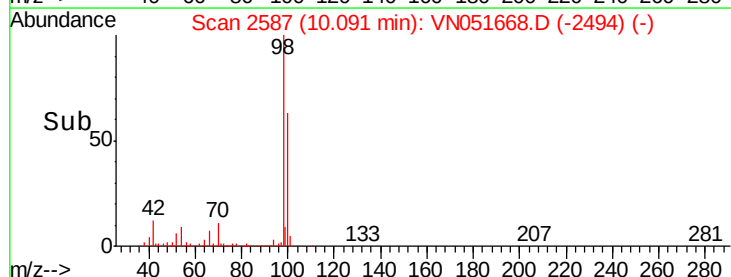
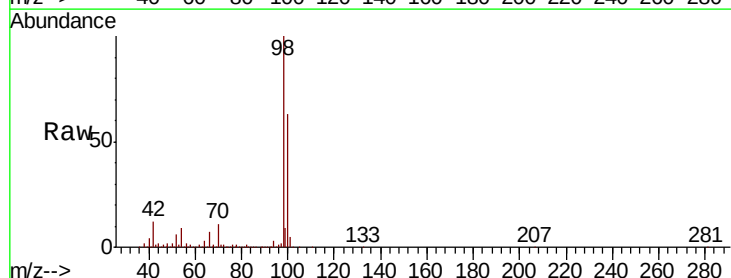
Acq: 4 Oct 2018 15:44

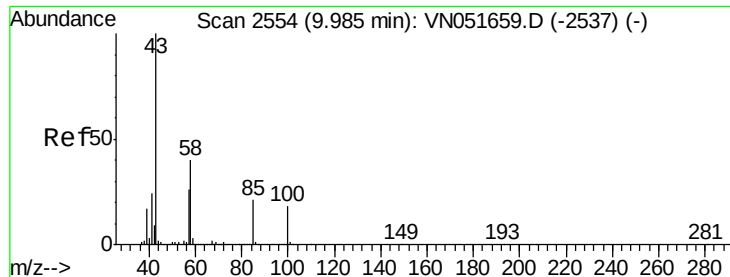
Tgt Ion: 98 Resp: 1113783

Ion Ratio Lower Upper

98 100

100 63.2 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 108.675 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 43 Resp: 494398

Ion Ratio Lower Upper

43 100

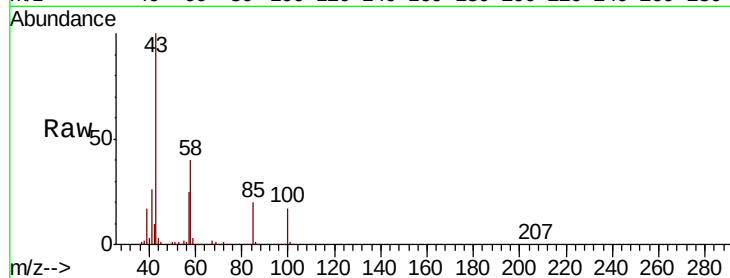
58 38.9 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

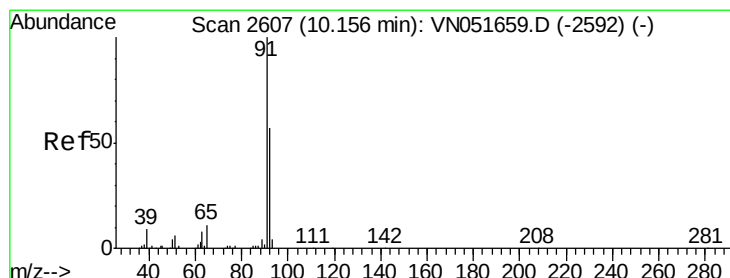
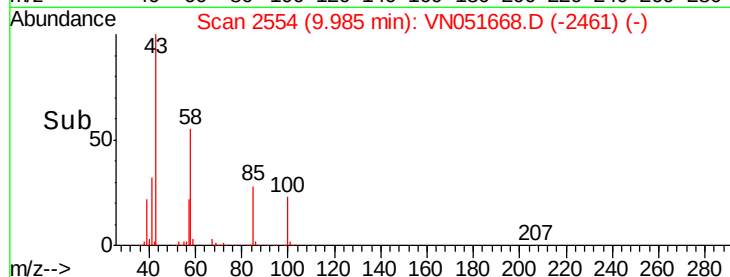
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.271 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051668.D

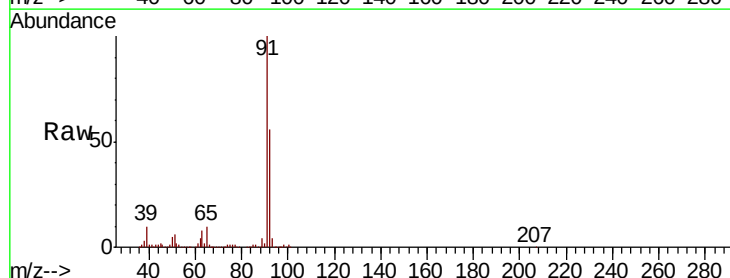
Acq: 4 Oct 2018 15:44

Tgt Ion: 92 Resp: 313703

Ion Ratio Lower Upper

92 100

91 176.7 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

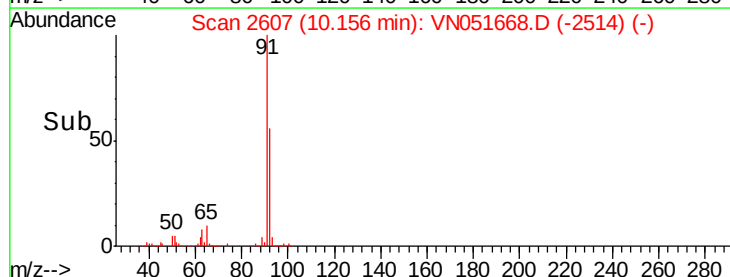
300000

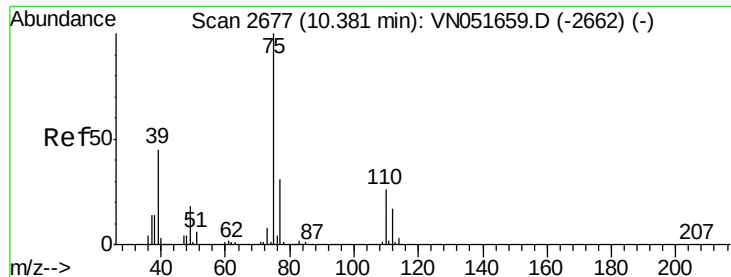
200000

100000

0

Time-->





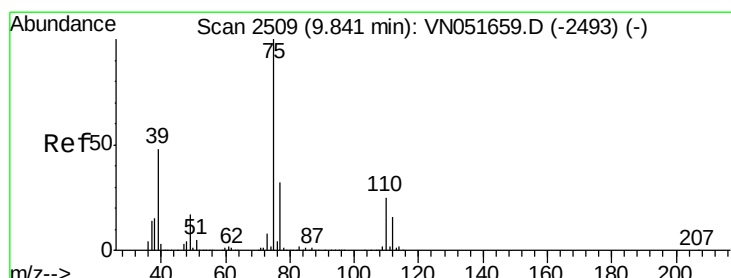
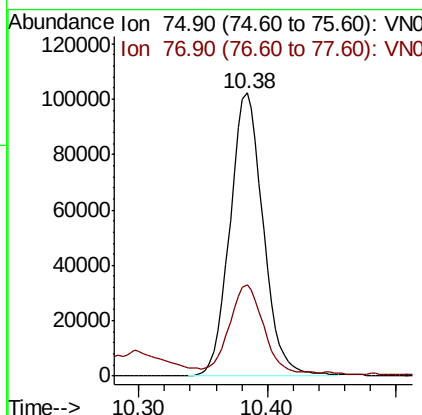
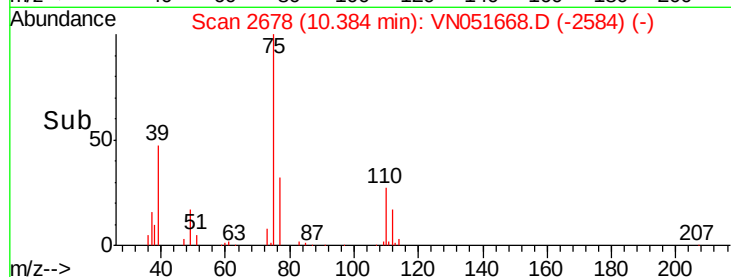
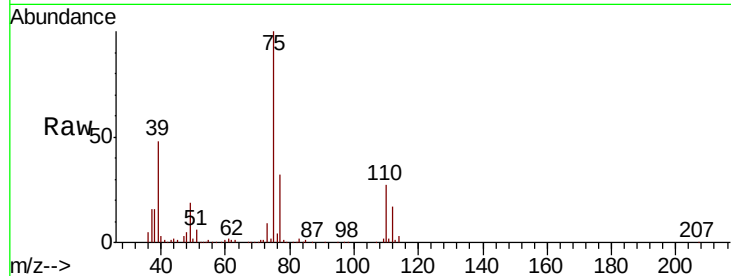
#53
t-1,3-Dichloropropene
Concen: 19.201 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion: 75 Resp: 183456
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

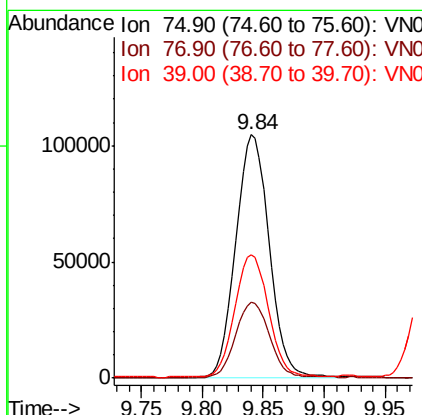
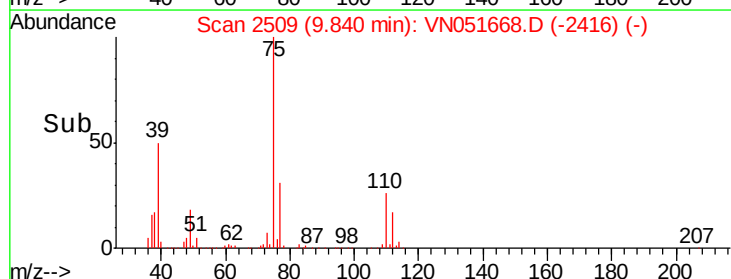
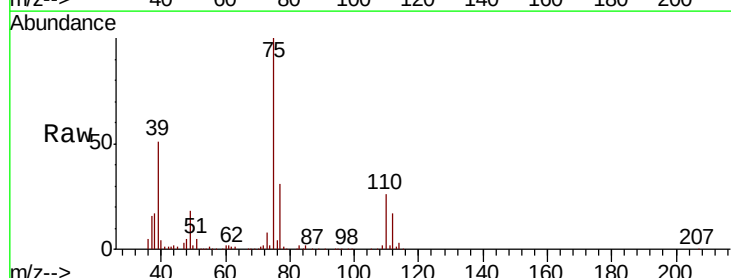
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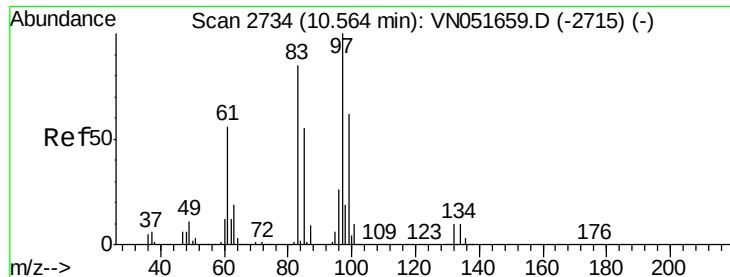
MMDadoda
10/8/2018 1:53:14 PM



#54
cis-1,3-Dichloropropene
Concen: 19.679 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 75 Resp: 199658
Ion Ratio Lower Upper
75 100
77 31.2 25.7 38.5
39 50.3 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 20.070 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

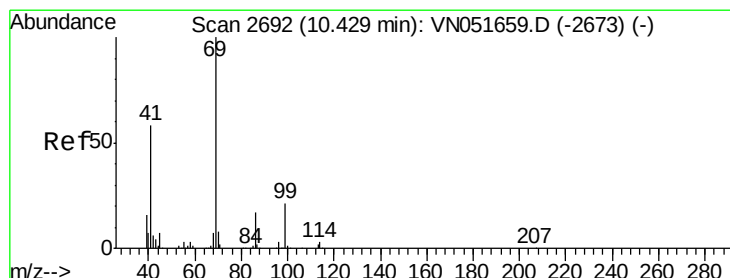
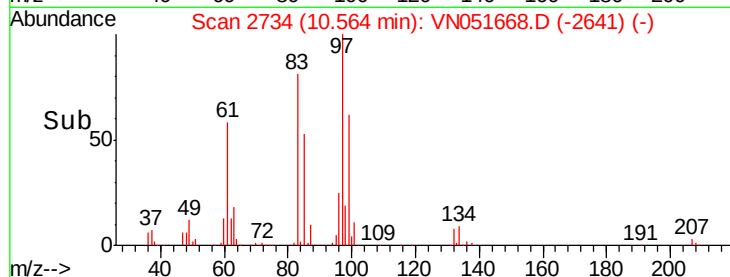
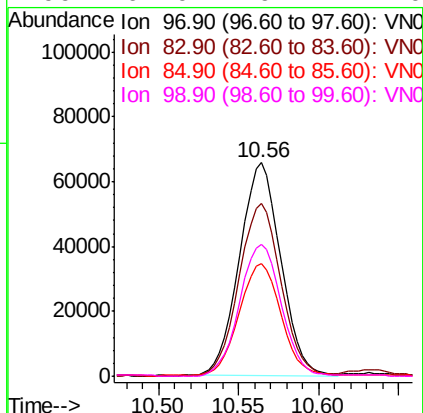
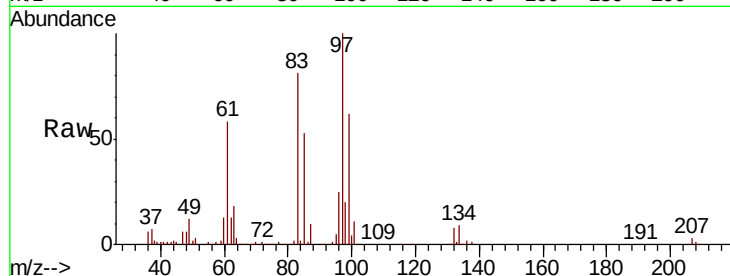
ClientSampleId :

VN1004WBSD01

Tot Ion:	97	Resp:	116390
Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.1	102.1
85	52.8	43.6	65.4
99	62.0	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.121 ug/l

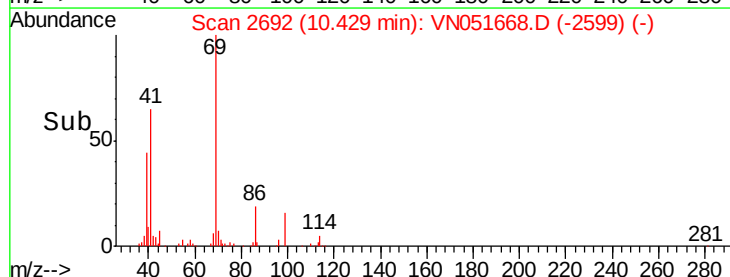
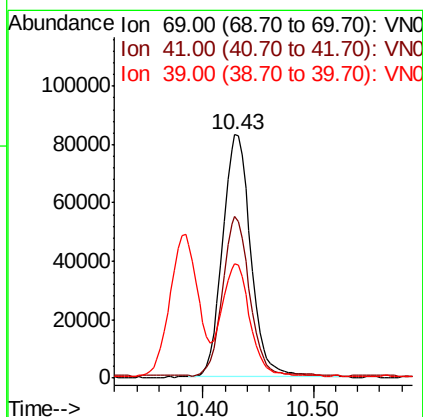
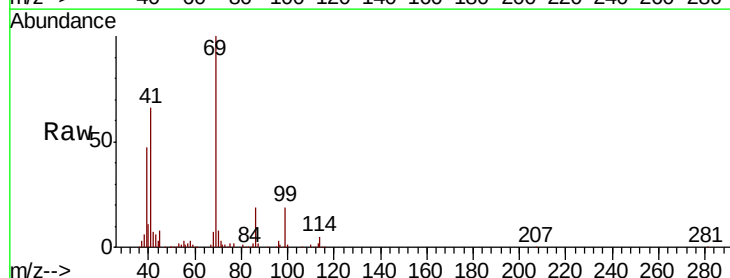
RT: 10.43 min Scan# 2692

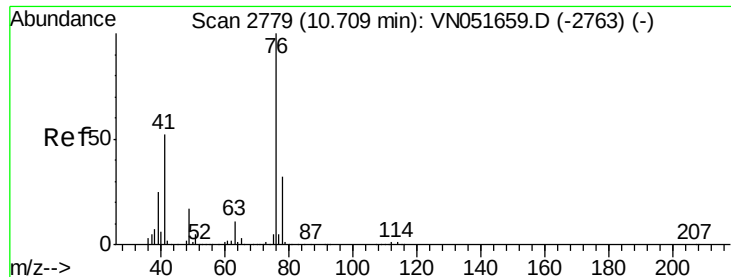
Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	69	Resp:	147556
Ion	Ratio	Lower	Upper
69	100		
41	63.1	46.4	69.6
39	46.8	32.4	48.6





#57

1,3-Dichloropropane

Concen: 19.663 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 76 Resp: 180475

Ion Ratio Lower Upper

76 100

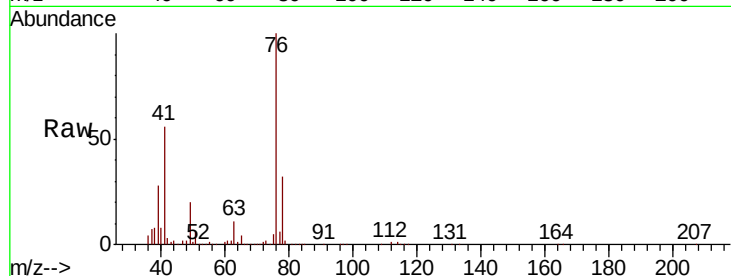
78 32.7 26.0 39.0

Manual Integrations

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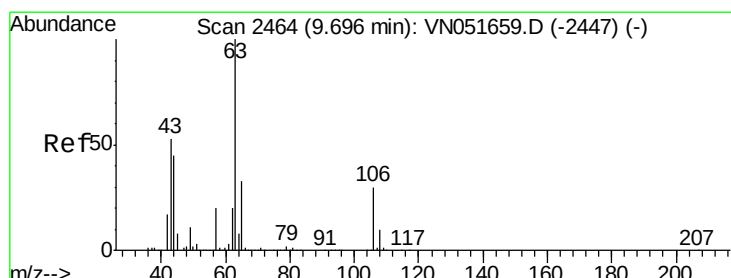
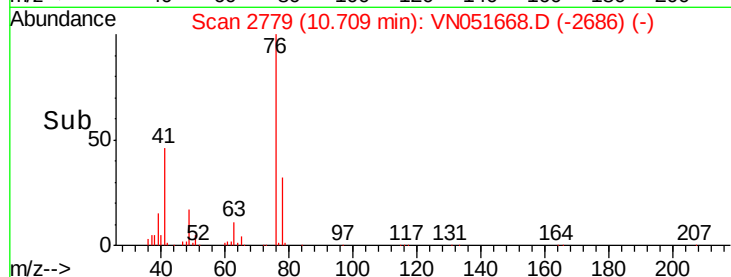
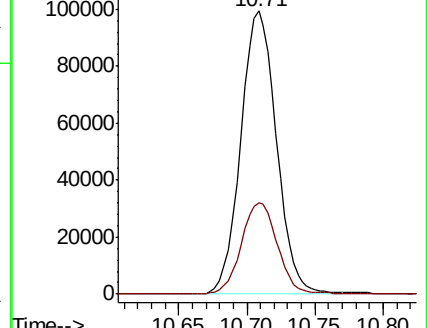
MMDadoda

10/8/2018 1:53:14 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.088 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051668.D

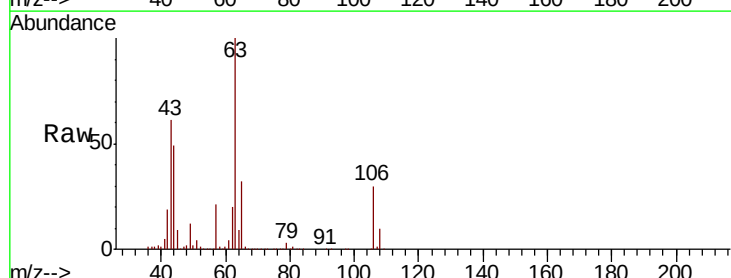
Acq: 4 Oct 2018 15:44

Tgt Ion: 63 Resp: 315918

Ion Ratio Lower Upper

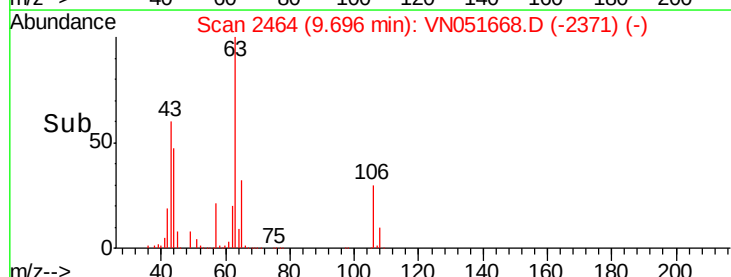
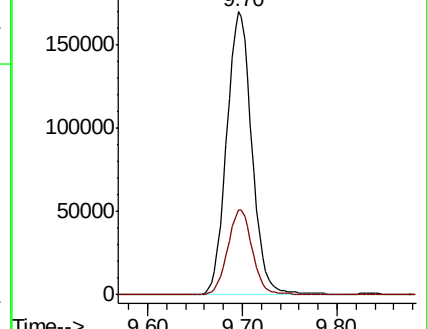
63 100

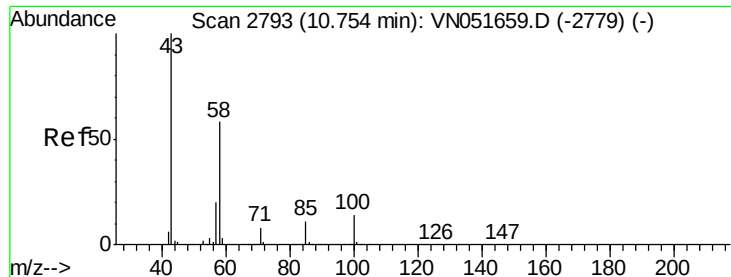
106 29.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





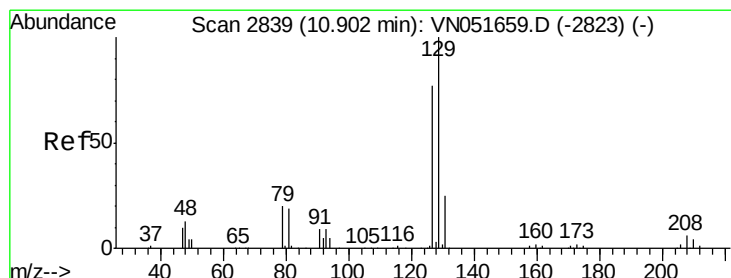
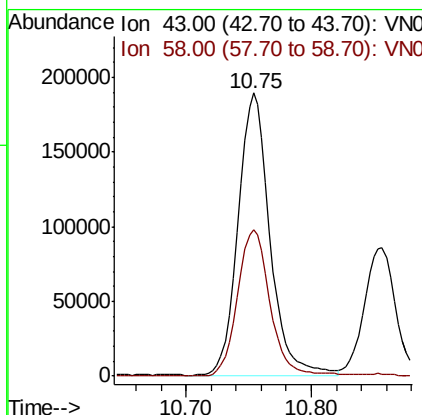
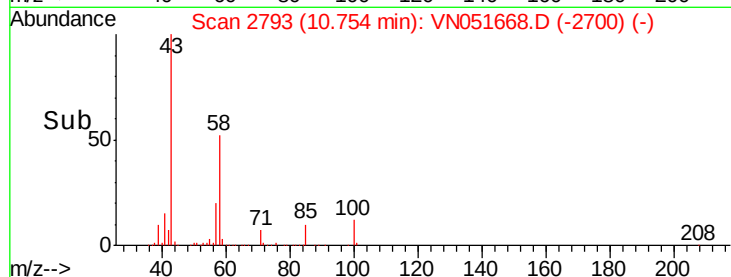
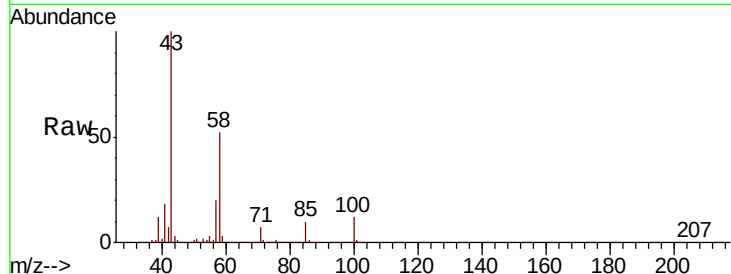
#59
2-Hexanone
Concen: 107.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion: 43 Resp: 332085
Ion Ratio Lower Upper
43 100
58 53.5 28.8 86.4

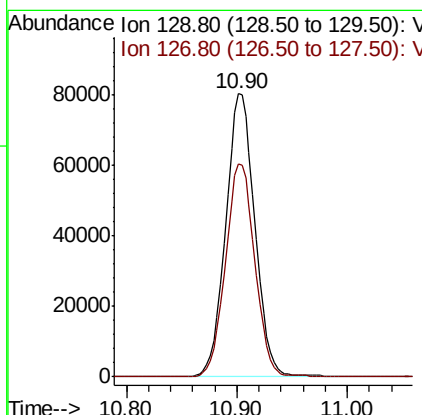
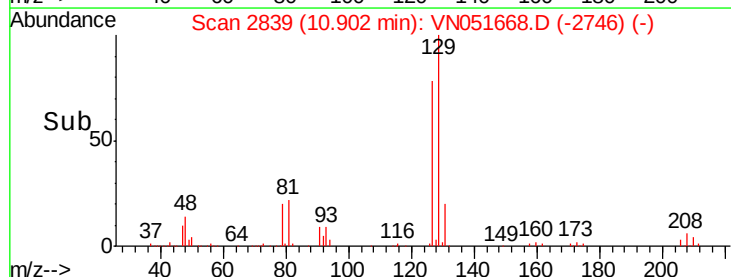
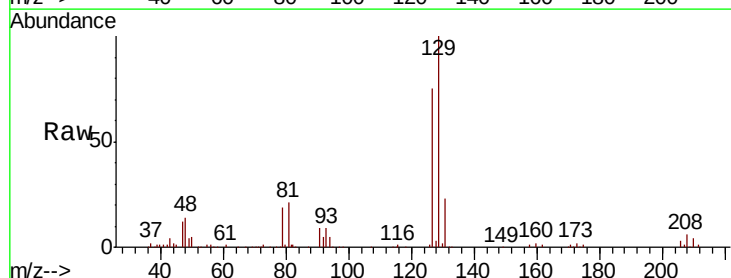
Manual Integrations
APPROVED

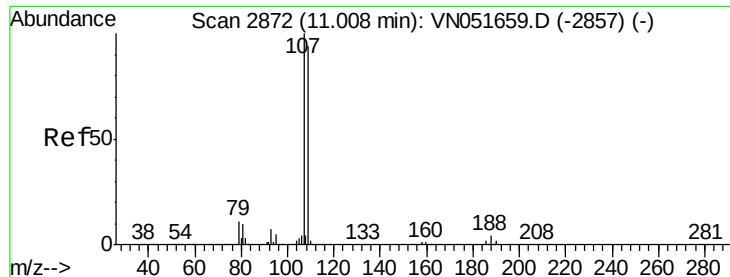
MMDadoda
10/8/2018 1:53:14 PM



#60
Dibromochloromethane
Concen: 19.357 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 129 Resp: 146898
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.7





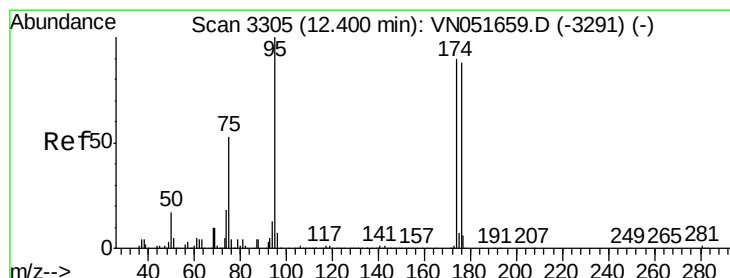
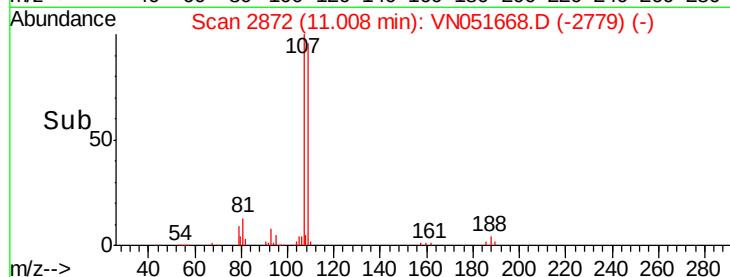
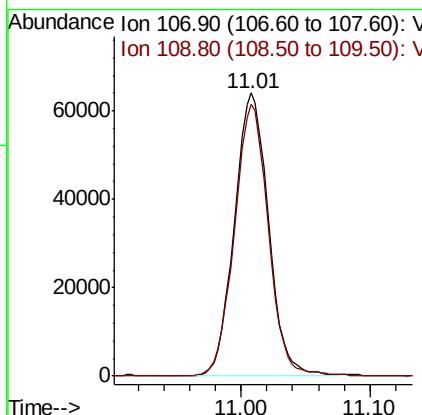
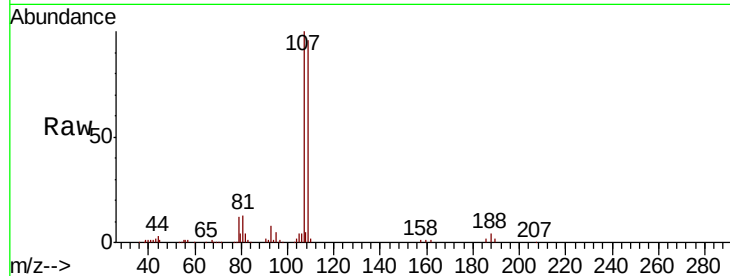
#61
 1,2-Dibromoethane
 Concen: 19.240 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.4	113.0

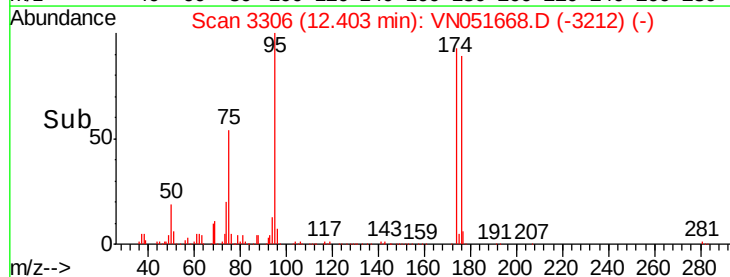
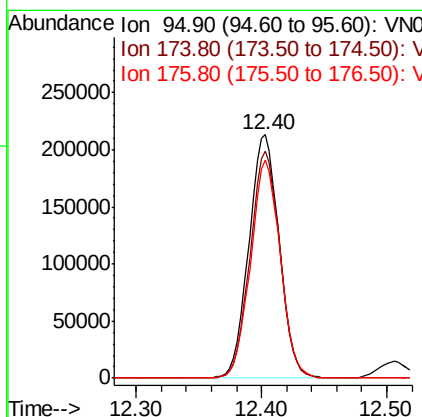
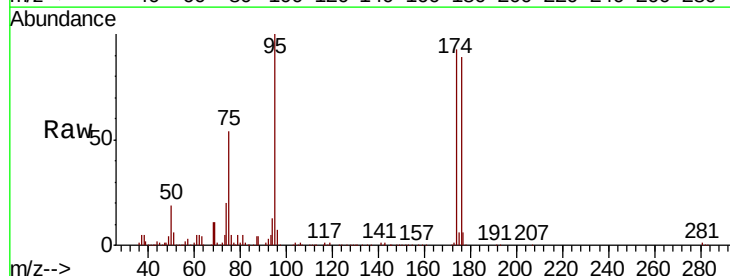
Manual Integrations
 APPROVED

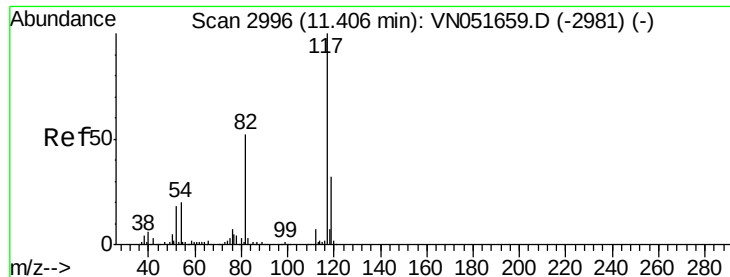
MMDadoda
 10/8/2018 1:53:14 PM



#62
 4-Bromofluorobenzene
 Concen: 19.240 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	182.8
176	87.6	0.0	176.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

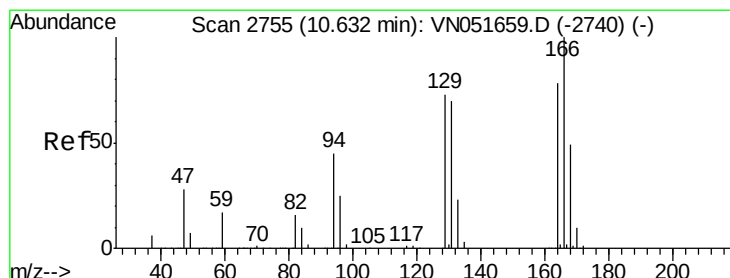
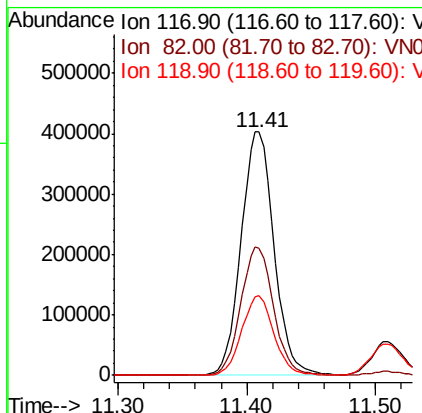
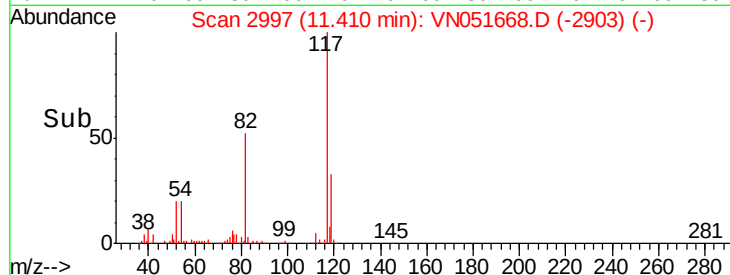
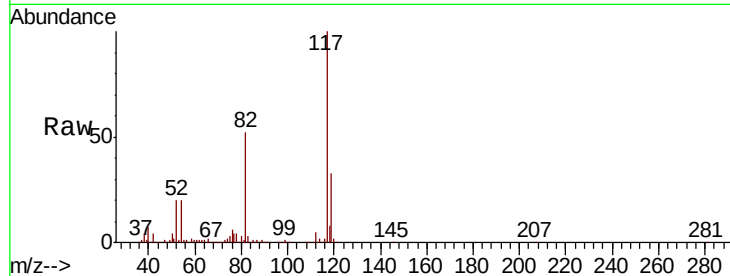
ClientSampleId :

VN1004WBSD01

Tot Ion:	117	Resp:	716165
Ion Ratio	Lower	Upper	
117	100		
82	52.3	41.3	61.9
119	32.7	25.9	38.9

Manual Integrations
APPROVED

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10/8/2018 1:53:14 PM



#64

Tetrachloroethene

Concen: 19.860 ug/l

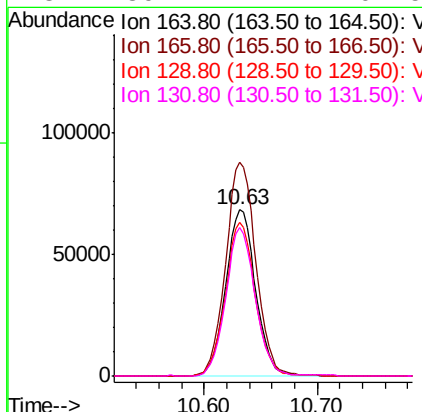
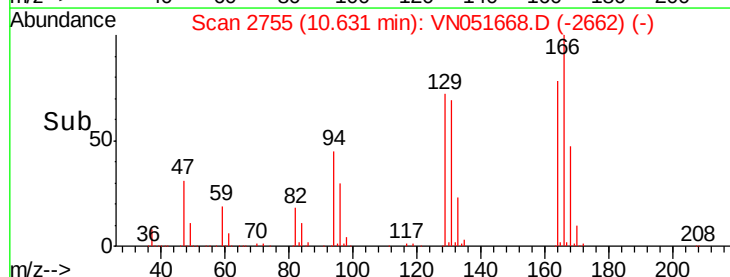
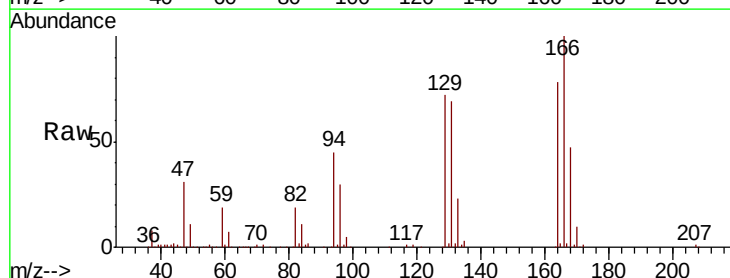
RT: 10.63 min Scan# 2755

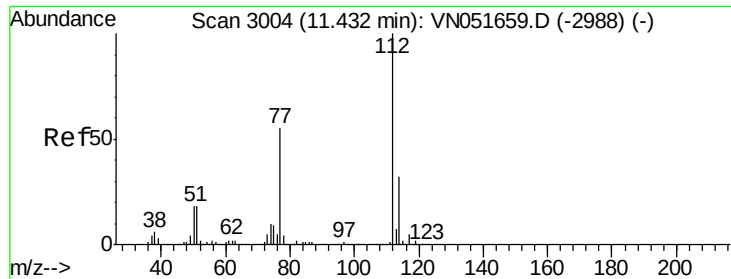
Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	164	Resp:	125481
Ion Ratio	Lower	Upper	
164	100		
166	128.5	103.0	154.6
129	92.3	75.2	112.8
131	89.1	71.7	107.5





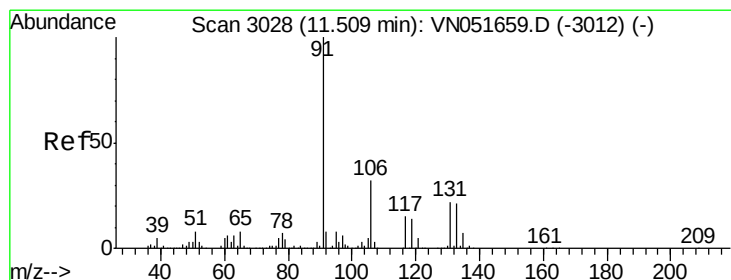
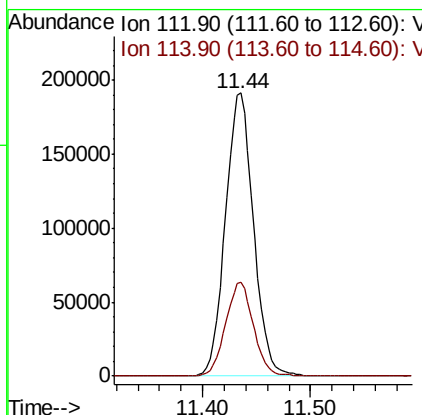
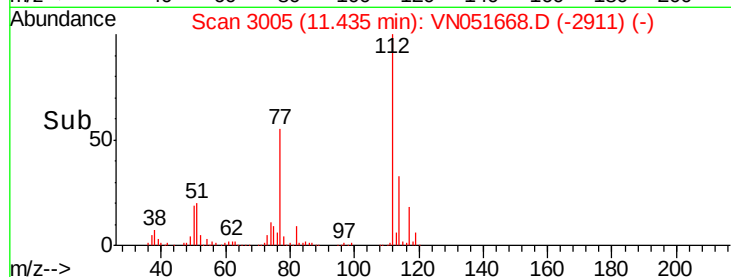
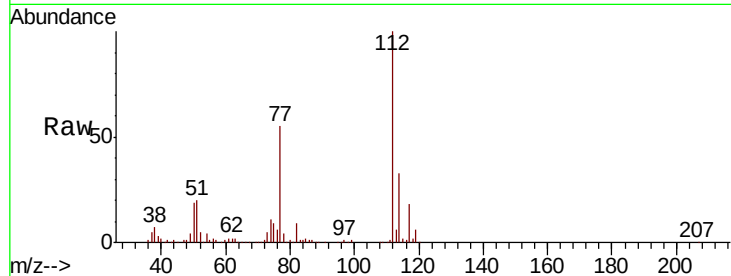
#65
Chlorobenzene
Concen: 19.530 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	346411		
114	33.1	25.9	38.9	

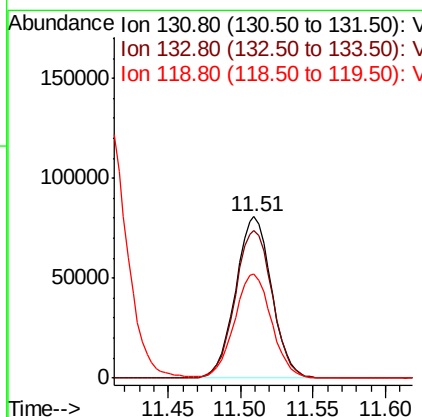
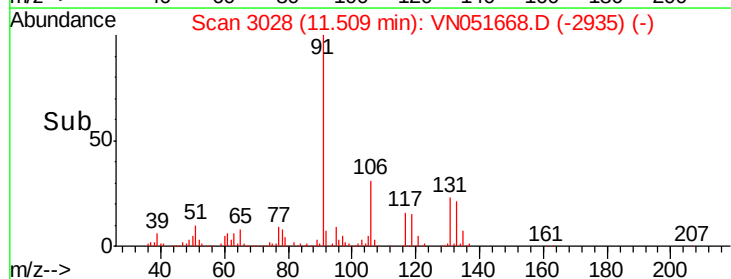
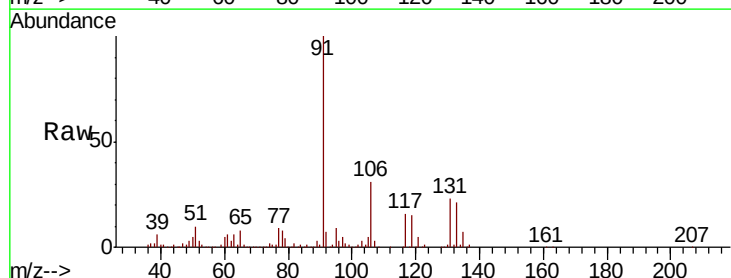
Manual Integrations
APPROVED

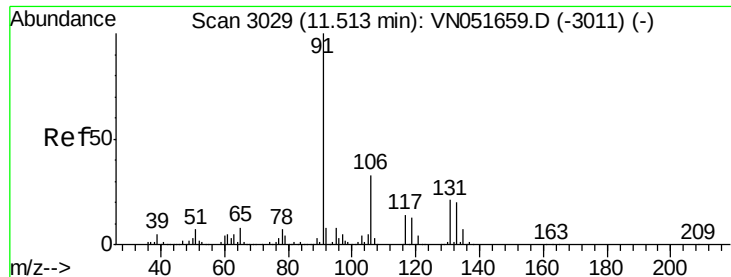
MMDadoda
10/8/2018 1:53:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.631 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	139417		
133	94.6	47.6	142.8	
119	65.7	32.0	96.0	





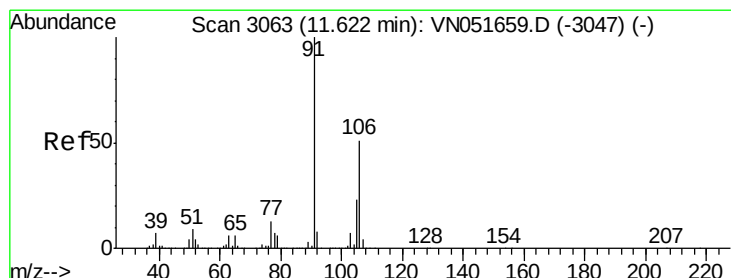
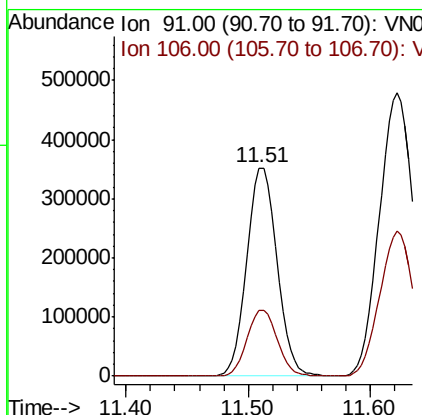
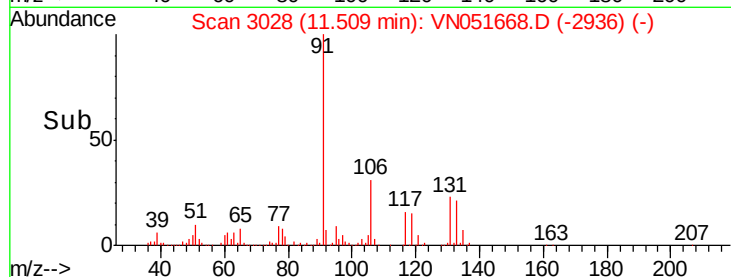
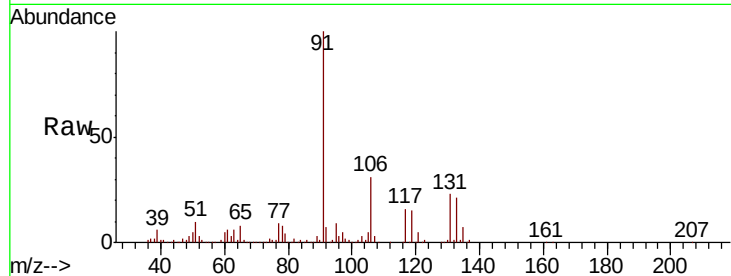
#67
Ethyl Benzene
Concen: 19.573 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampled :
VN1004WBSD01

Tot Ion: 91 Resp: 600052
Ion Ratio Lower Upper
91 100
106 31.4 26.0 39.0

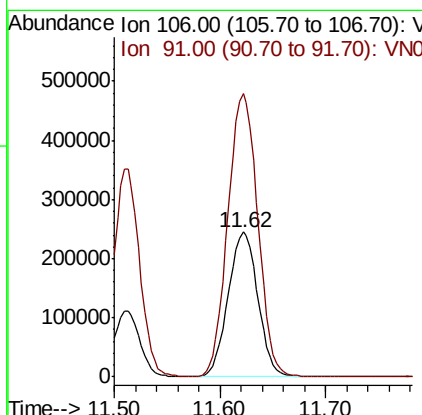
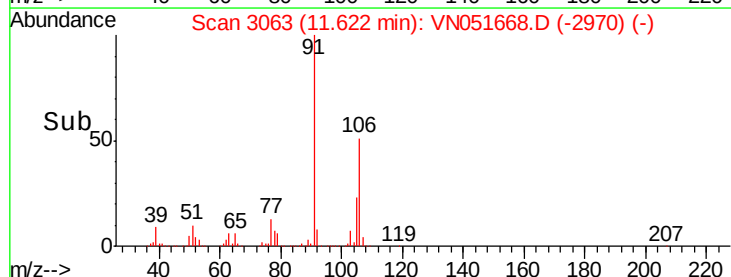
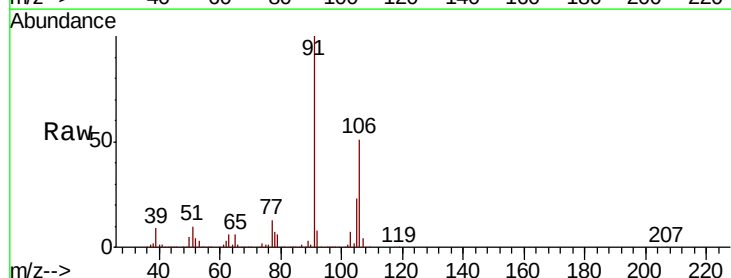
Manual Integrations
APPROVED

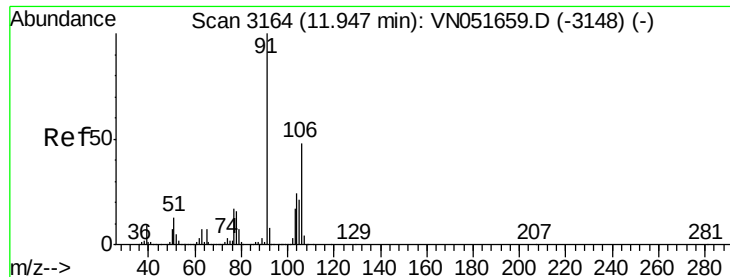
MMDadoda
10/8/2018 1:53:14 PM



#68
m/p-Xylenes
Concen: 38.873 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 106 Resp: 476835
Ion Ratio Lower Upper
106 100
91 197.1 158.4 237.6





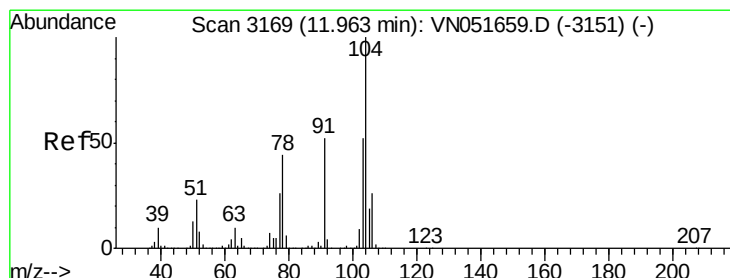
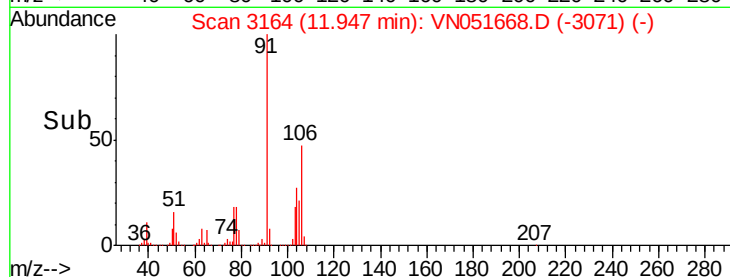
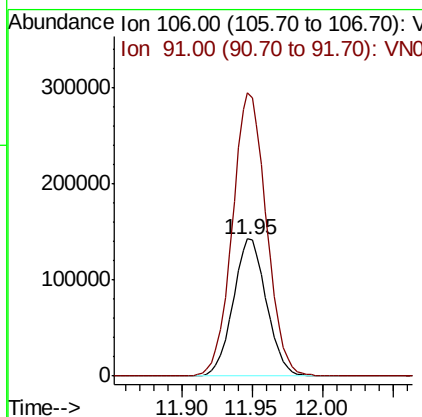
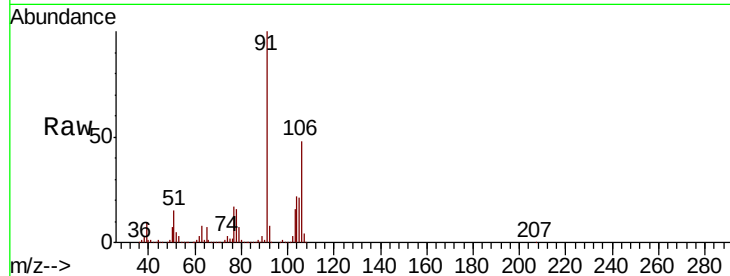
#69
o-Xylene
Concen: 19.581 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	104.4	313.2

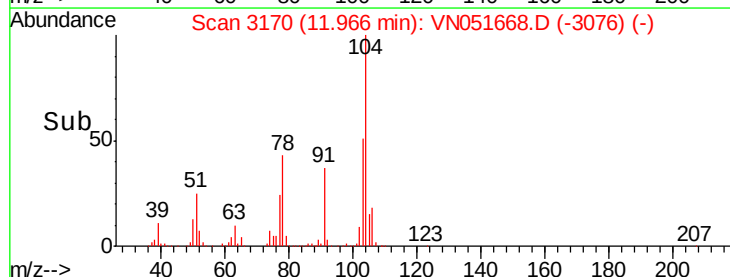
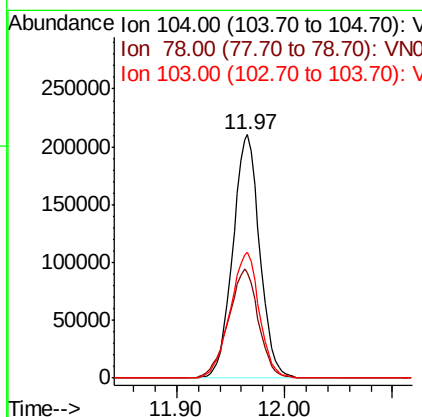
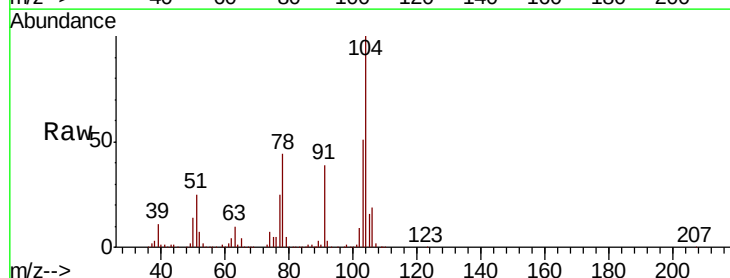
Manual Integrations
APPROVED

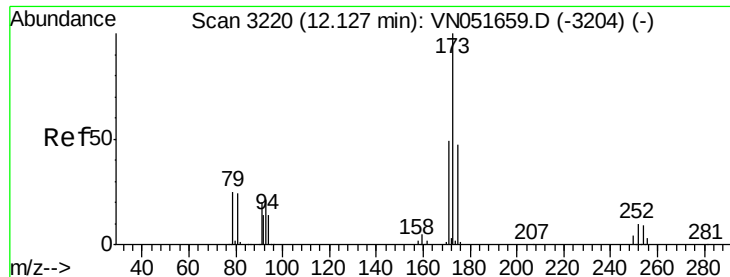
MMDadoda
10/8/2018 1:53:14 PM



#70
Styrene
Concen: 19.096 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.3	58.9
103	56.0	45.0	67.6





#71

Bromoform

Concen: 18.494 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

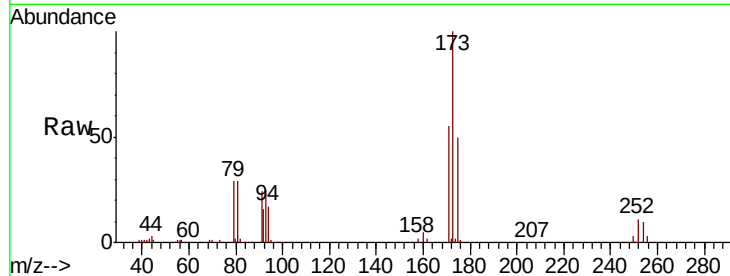
ClientSampled :

VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
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10/8/2018 1:53:14 PM

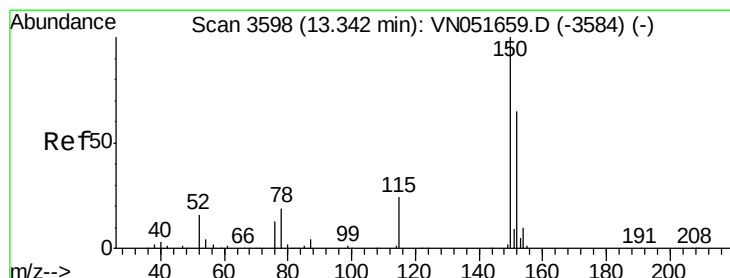
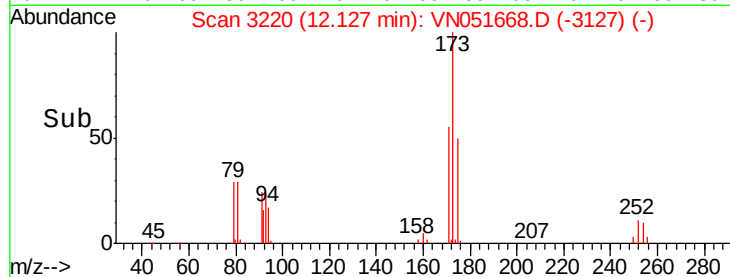
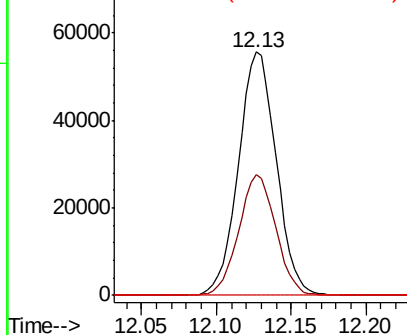


Abundance

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

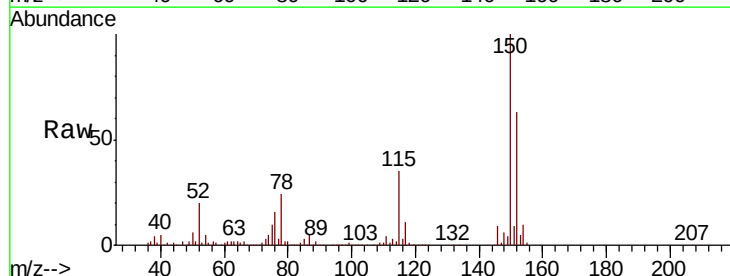
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.6	85.8
150	162.6	0.0	352.4

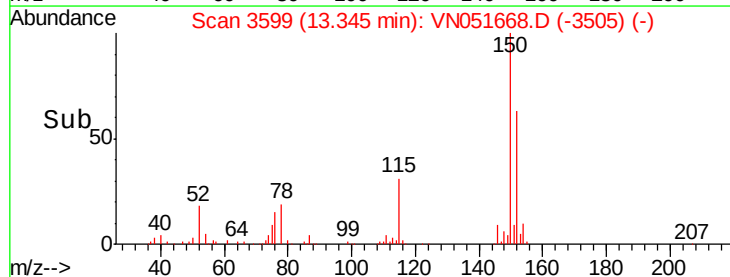
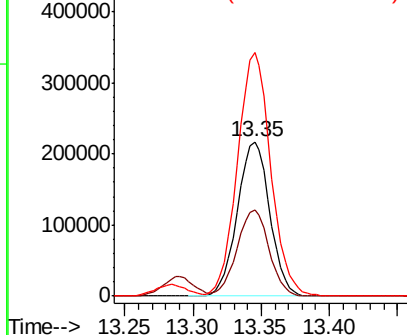


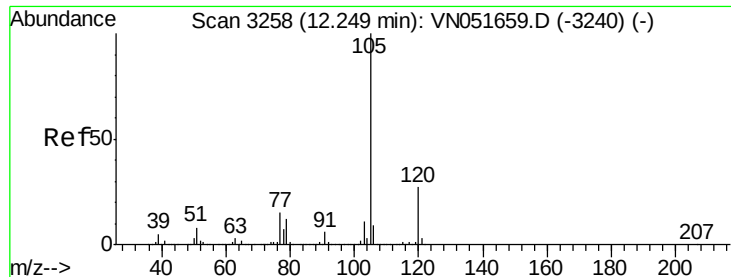
Abundance

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: 20.661 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 105 Resp: 628279

Ion Ratio Lower Upper

105 100

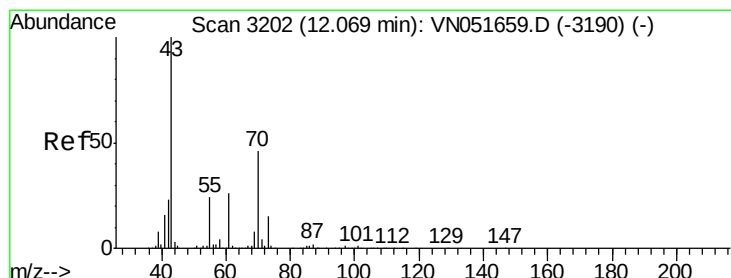
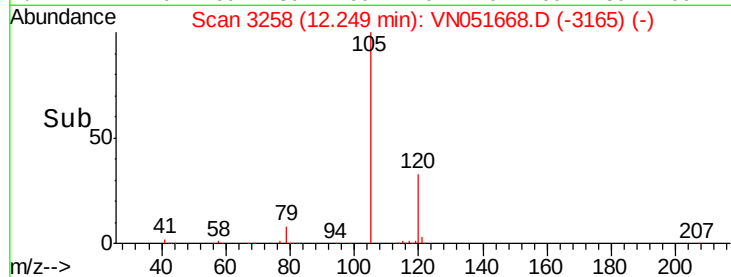
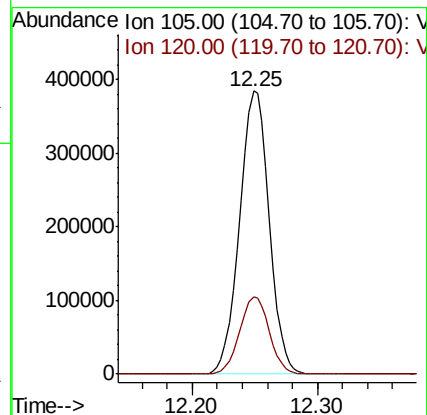
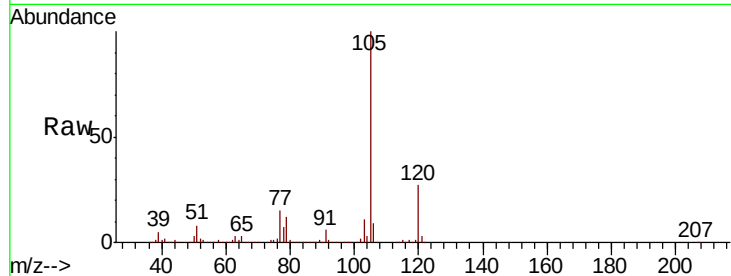
120 27.5 13.9 41.6

Manual Integrations

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10/8/2018 1:53:14 PM



#74

N-ethyl acetate

Concen: 22.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion: 43 Resp: 153083

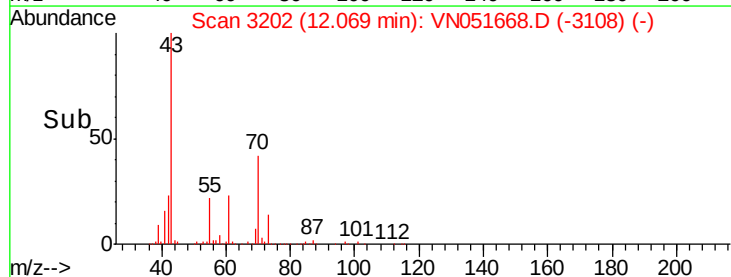
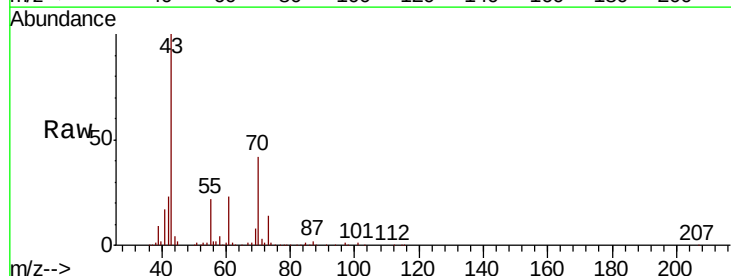
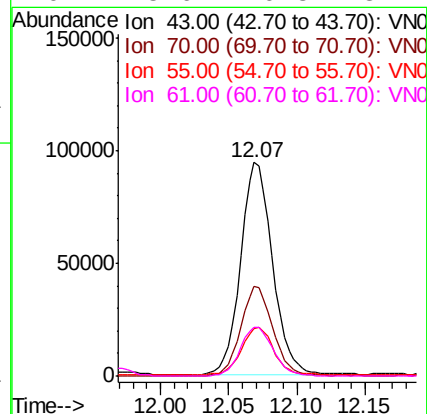
Ion Ratio Lower Upper

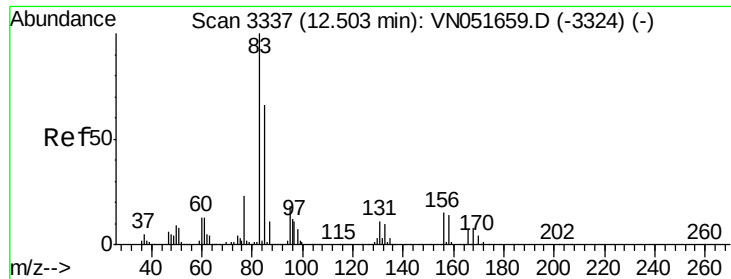
43 100

70 41.3 37.1 55.7

55 22.9 19.1 28.7

61 23.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.757 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

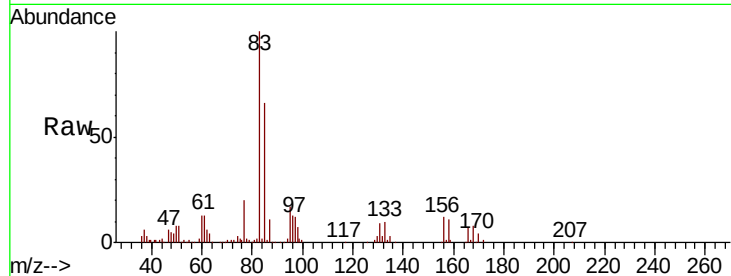
ClientSampleId :

VN1004WBSD01

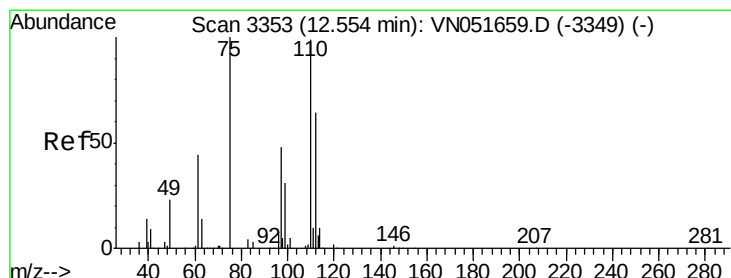
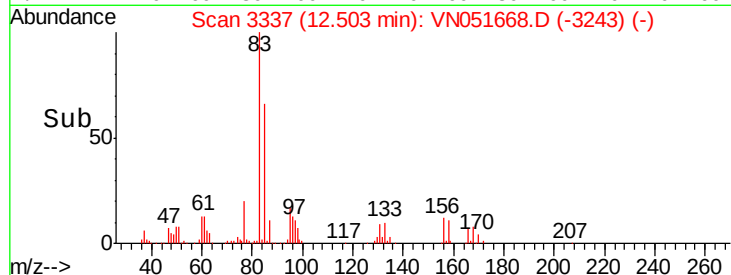
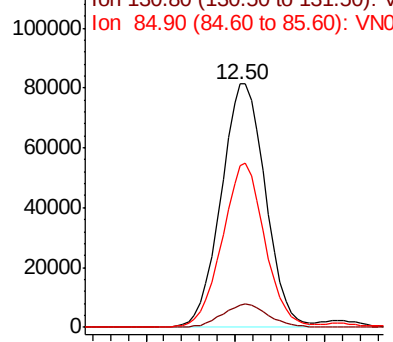
Tot Ion:	83	Resp:	141166
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.7	17.1
85	64.8	33.0	98.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051668.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 26.956 ug/l m

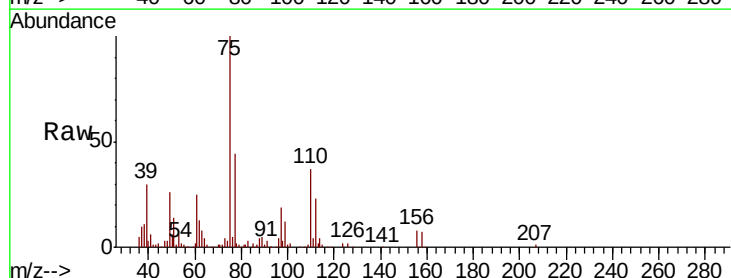
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

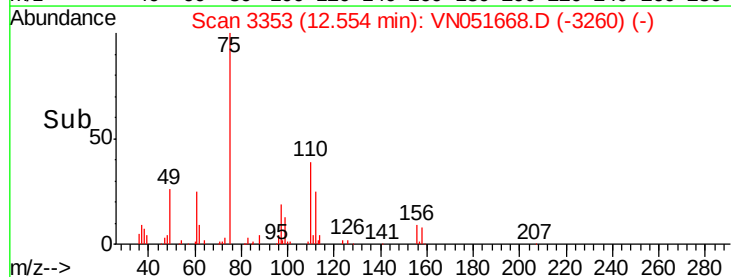
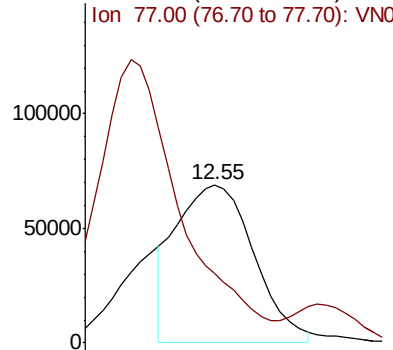
Lab File: VN051668.D

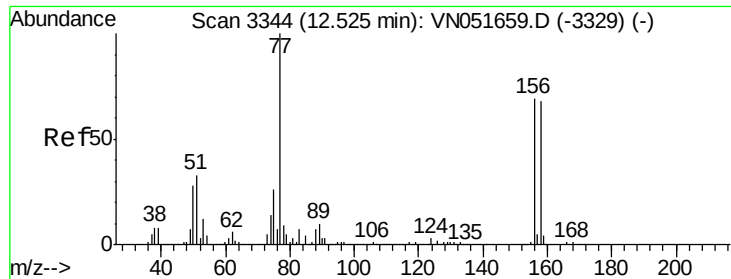
Acq: 4 Oct 2018 15:44

Tgt Ion:	75	Resp:	127864
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051668.D (-3260) (-)





#77

Bromobenzene

Concen: 19.579 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

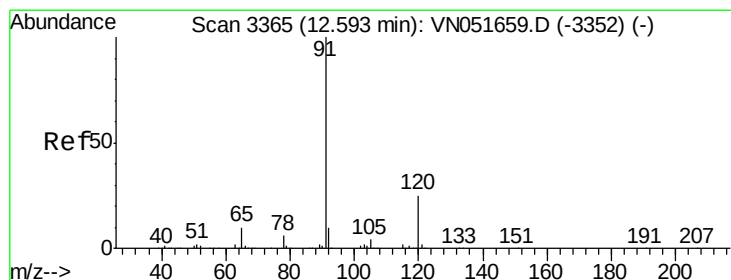
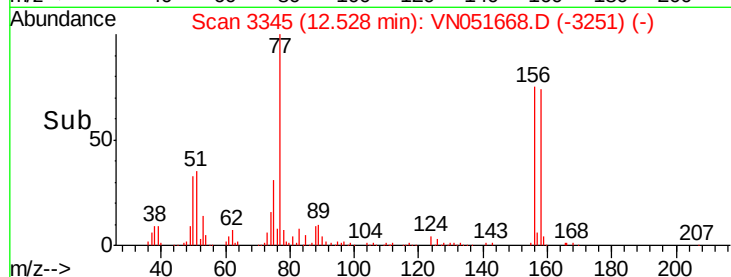
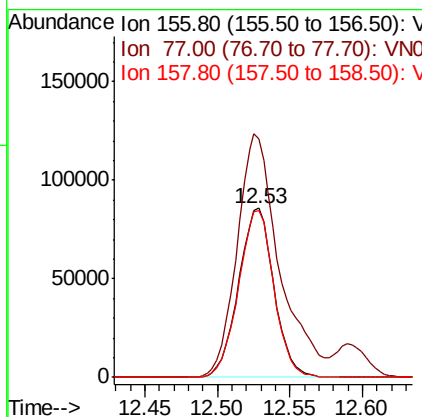
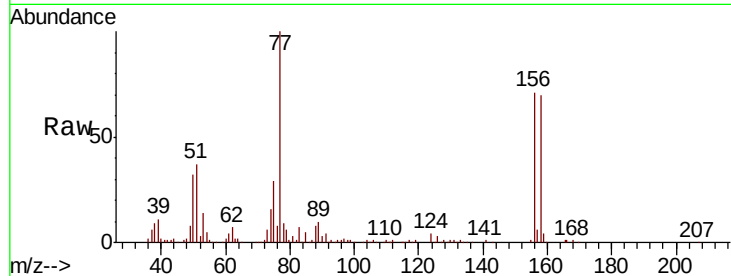
ClientSampleId :

VN1004WBSD01

Tot Ion:	156	Resp:	145573
Ion Ratio	Lower	Upper	
156	100		
77	173.1	83.2	249.4
158	98.5	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.447 ug/l

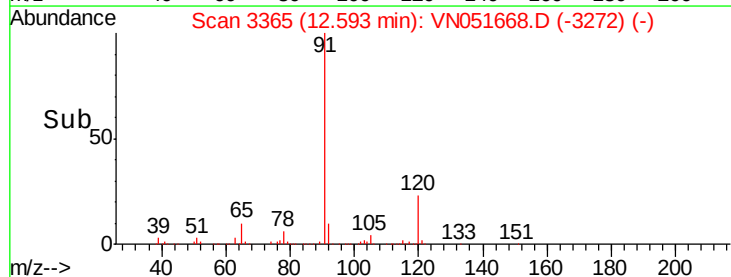
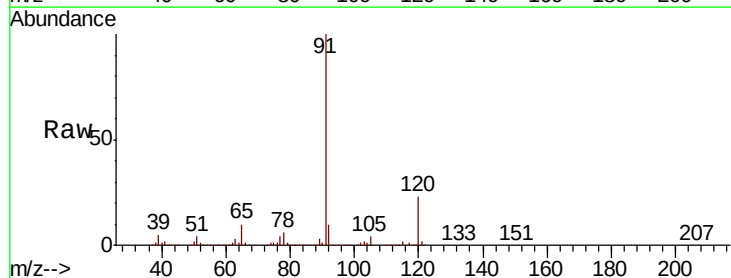
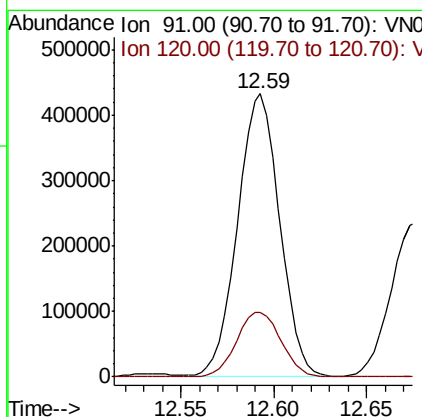
RT: 12.59 min Scan# 3365

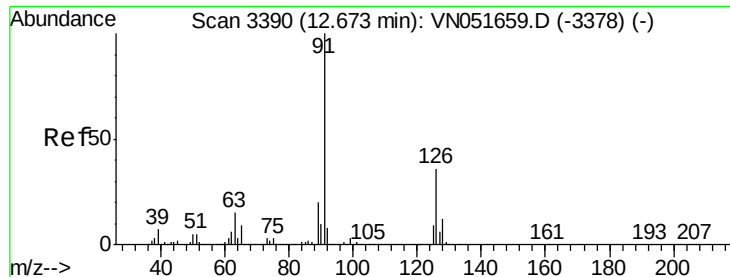
Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	91	Resp:	678154
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.4	37.2





#79

2-Chlorotoluene

Concen: 20.422 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 91 Resp: 399194

Ion Ratio Lower Upper

91 100

126 36.6

18.5

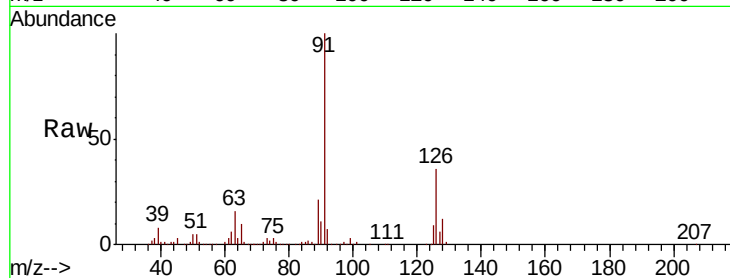
55.5

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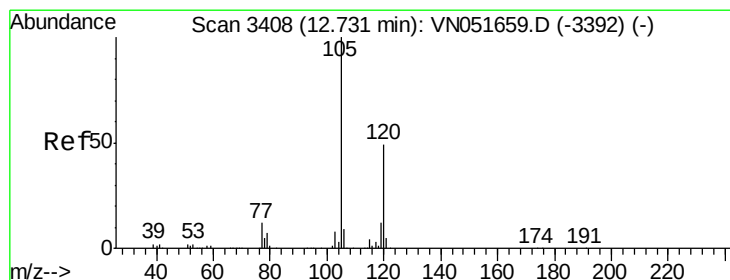
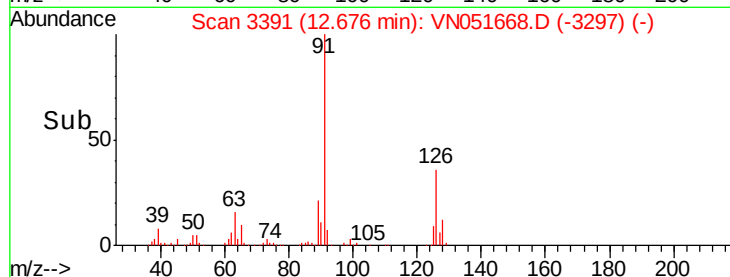
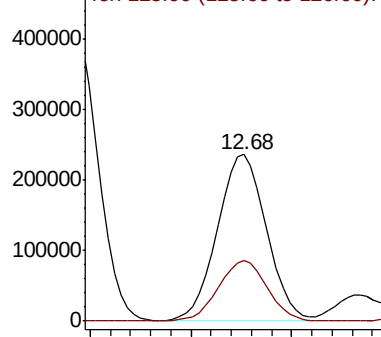
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Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.219 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion: 105 Resp: 518136

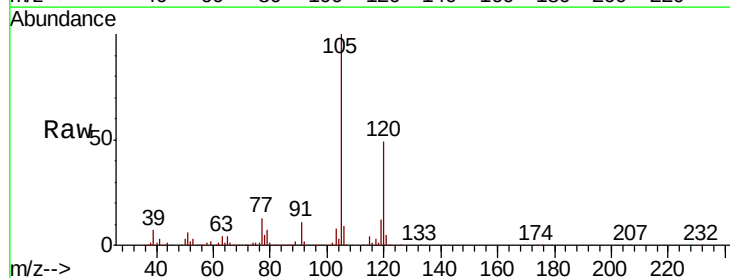
Ion Ratio Lower Upper

105 100

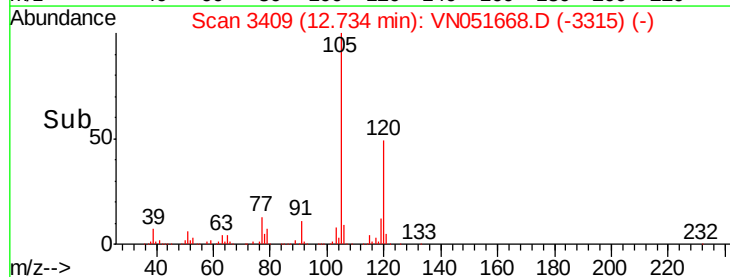
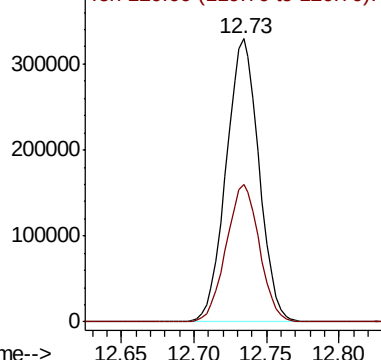
120 49.2

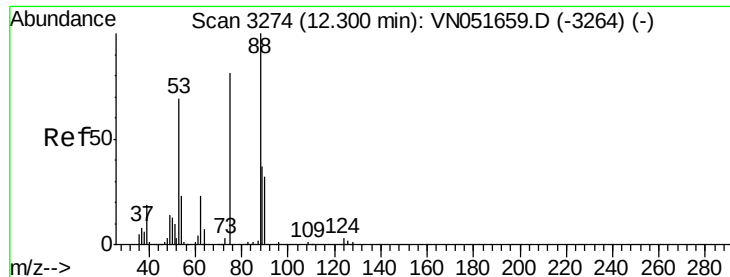
24.6

74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.163 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

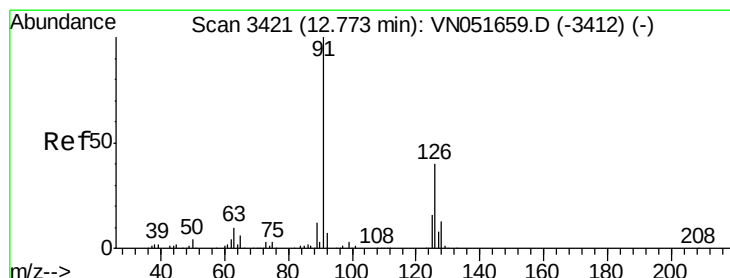
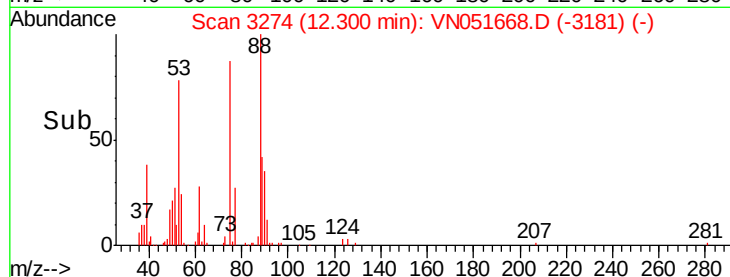
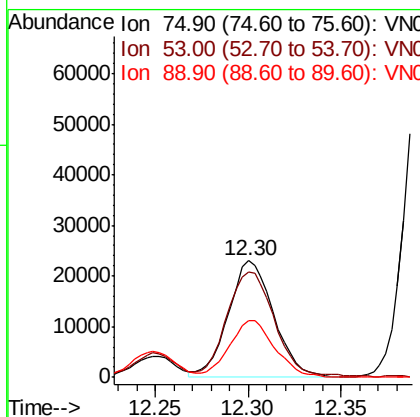
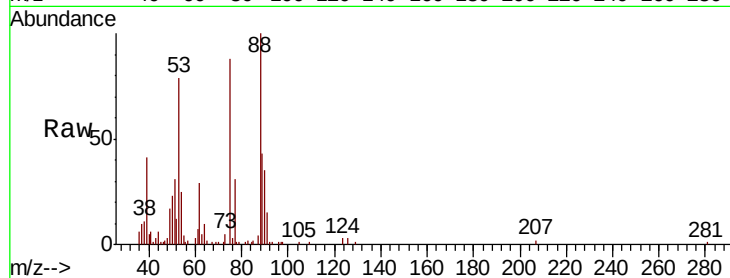
ClientSampleId :

VN1004WBSD01

Tot Ion:	75	Resp:	39128
Ion	Ratio	Lower	Upper
75	100		
53	96.0	68.6	102.8
89	48.5	39.4	59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.627 ug/l

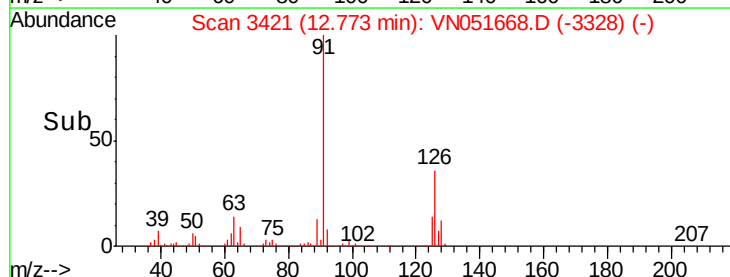
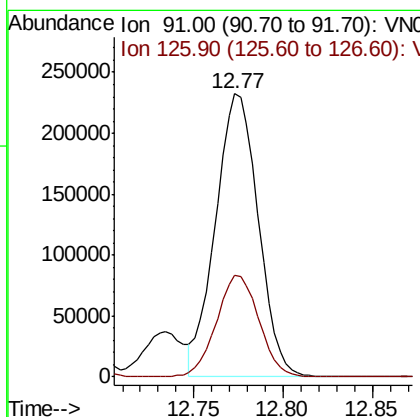
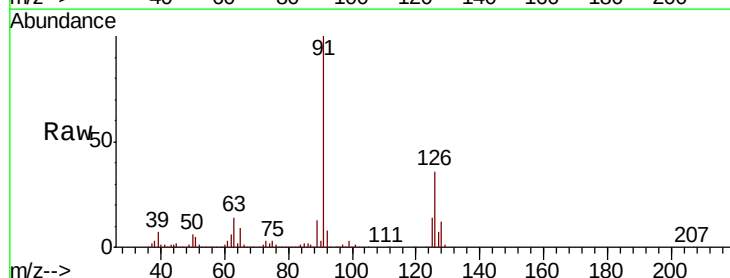
RT: 12.77 min Scan# 3421

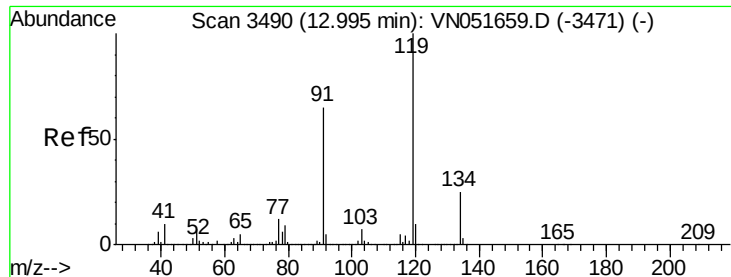
Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:	91	Resp:	385403
Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.0	54.0





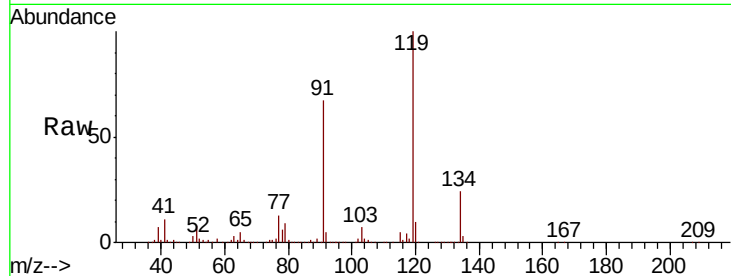
#83
 tert-Butylbenzene
 Concen: 20.871 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.5
134	25.9	13.3	39.9

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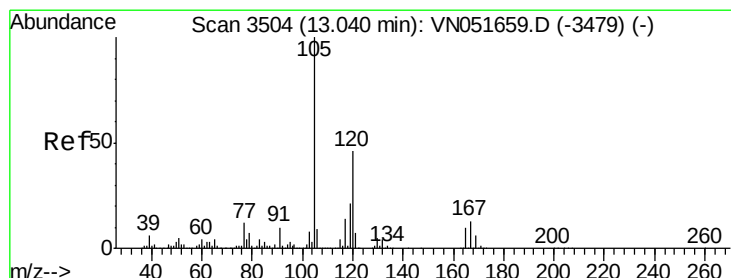
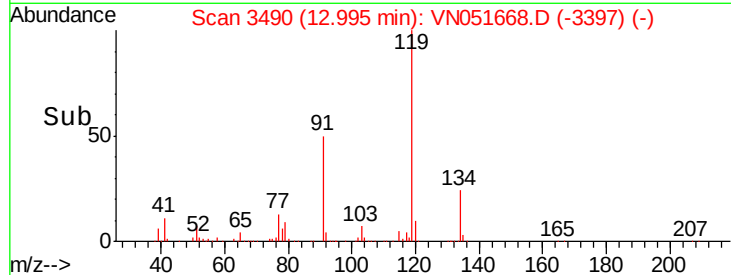
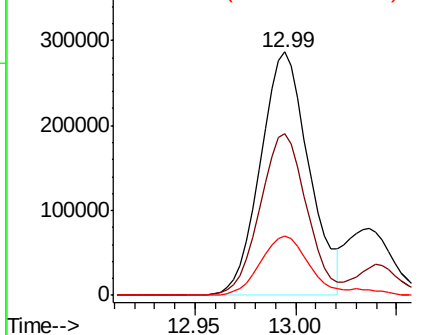


Abundance

Ion 119.00 (118.70 to 119.70): V

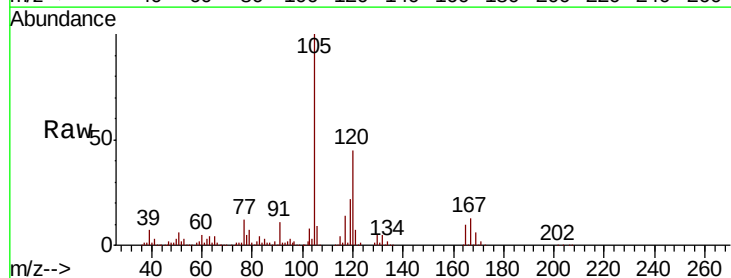
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.236 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

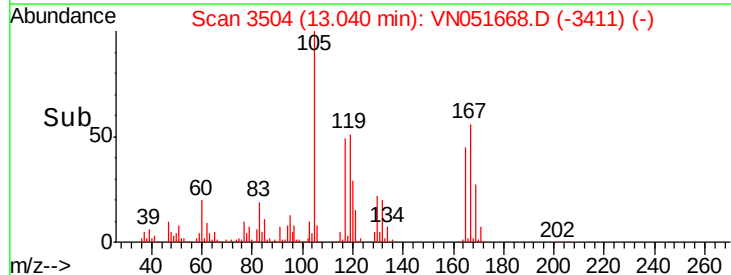
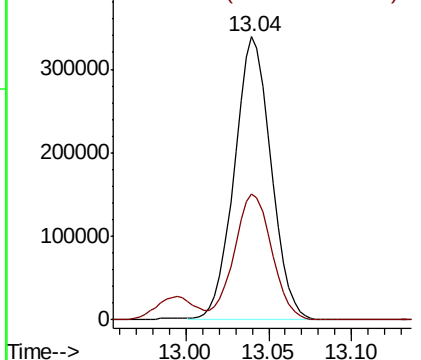
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.7

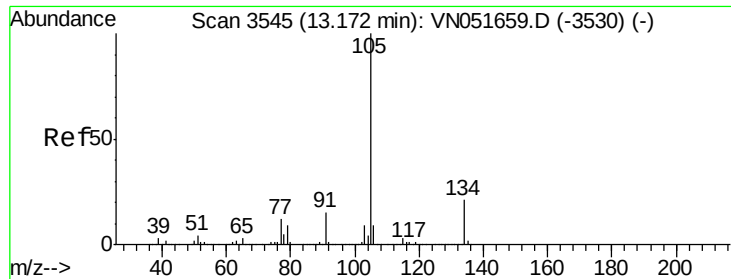


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.474 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion:105 Resp: 621877

Ion Ratio Lower Upper

105 100

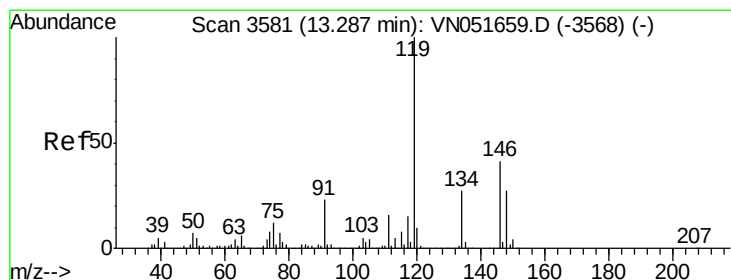
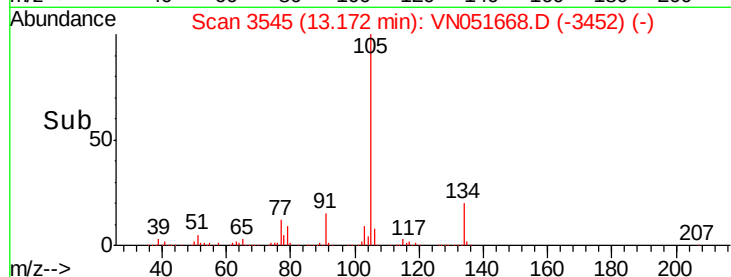
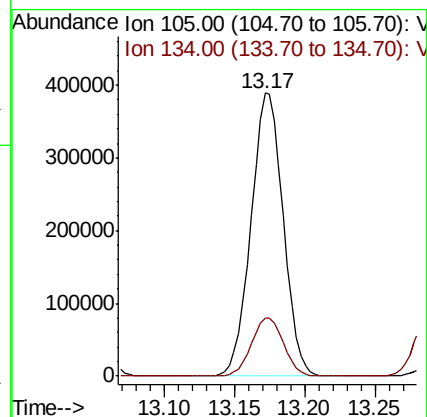
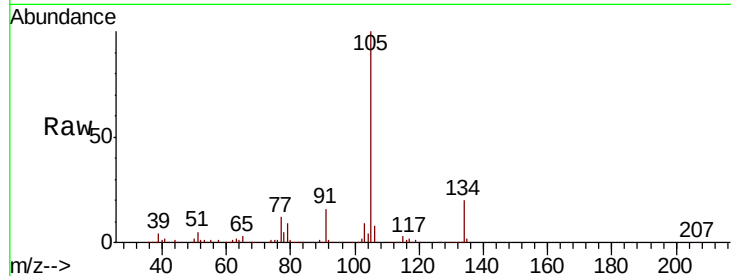
134 20.4 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.218 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

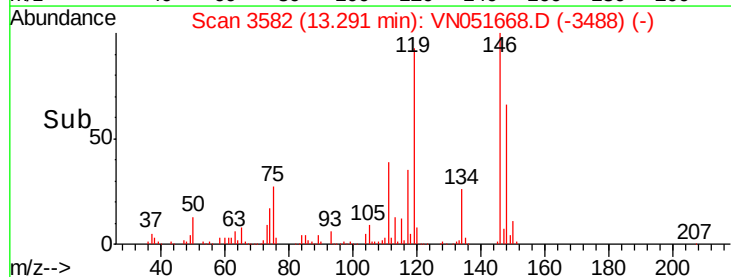
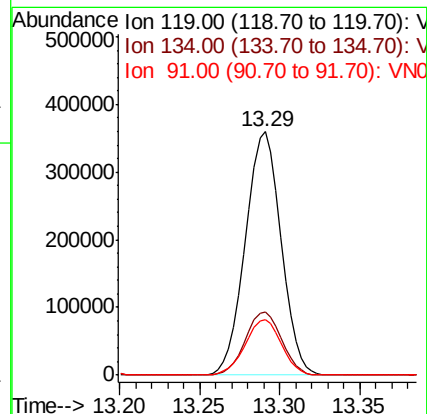
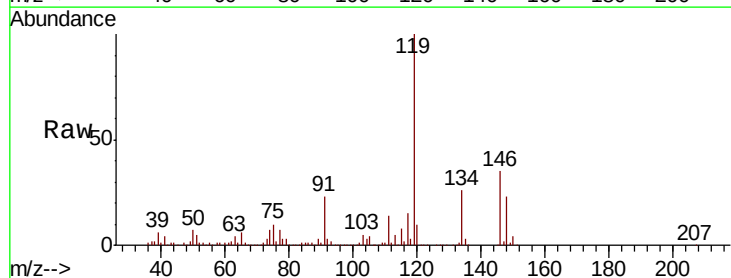
Tgt Ion:119 Resp: 544419

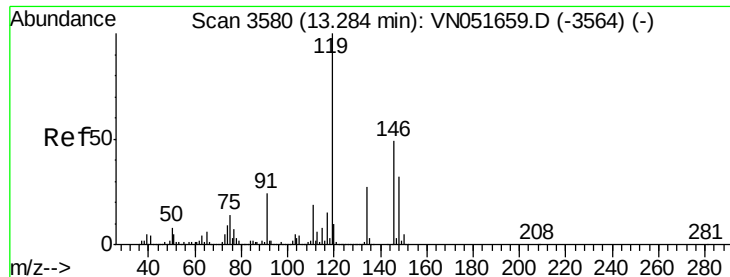
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 23.0 11.7 35.1





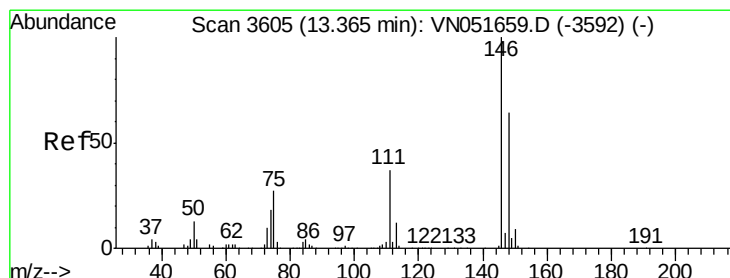
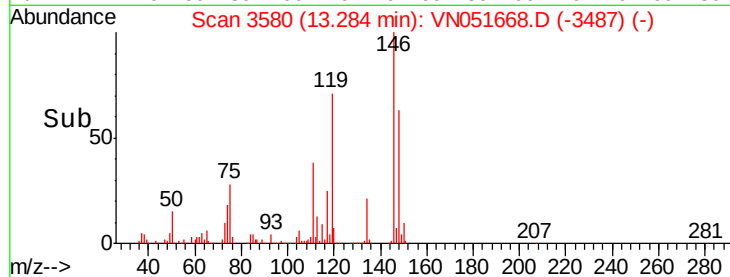
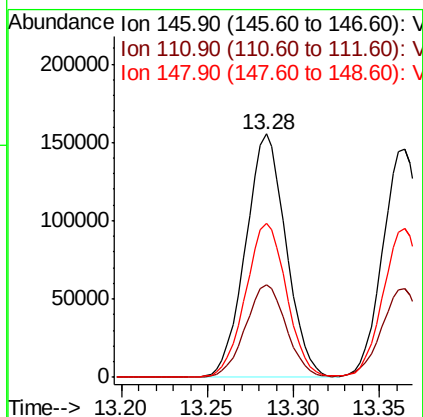
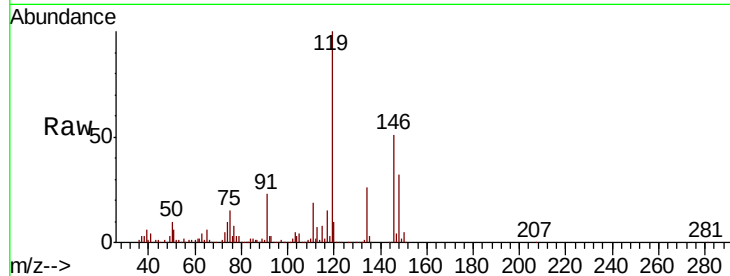
#87
 1,3-Dichlorobenzene
 Concen: 19.551 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	253302		
111	38.2	19.3	57.9	
148	63.9	32.5	97.5	

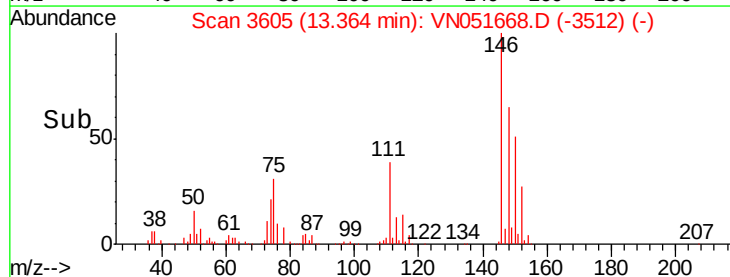
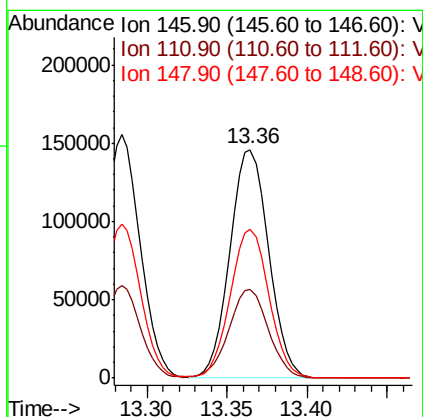
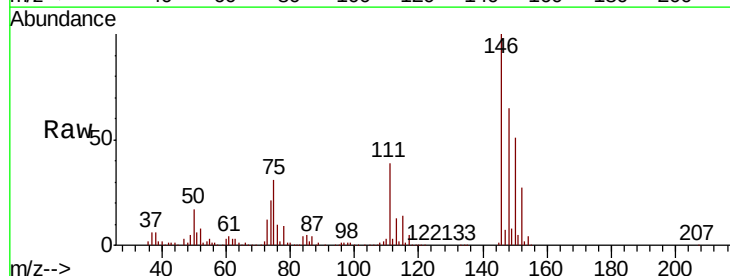
Manual Integrations
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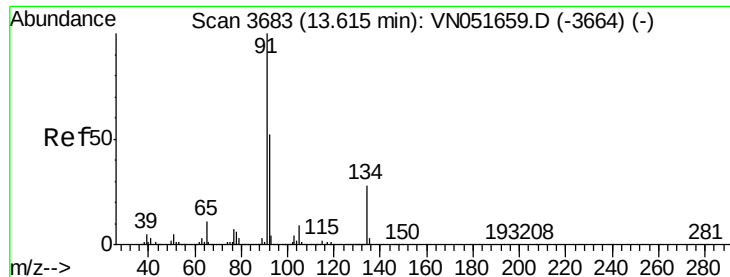
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#88
 1,4-Dichlorobenzene
 Concen: 18.884 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	240814		
111	39.5	18.6	55.8	
148	65.1	32.3	96.8	





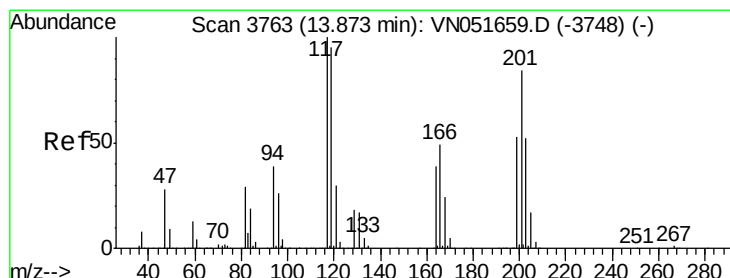
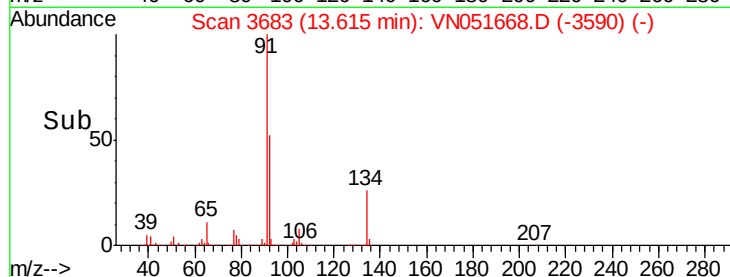
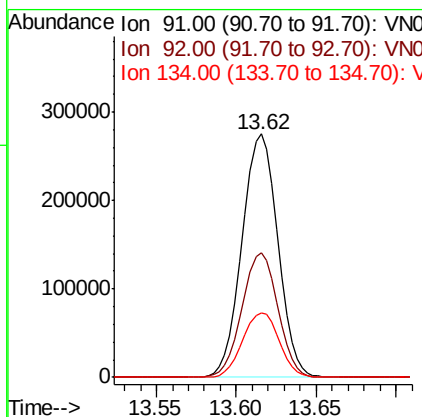
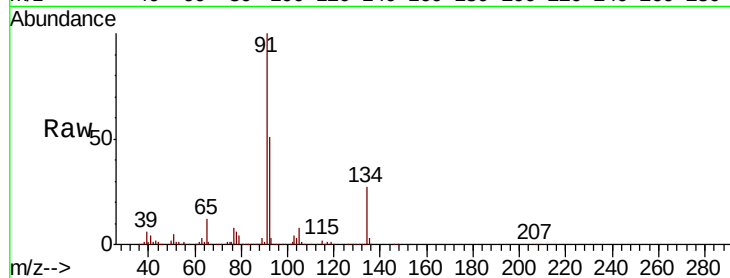
#89
n-Butylbenzene
Concen: 19.653 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	27.1	14.2	42.6

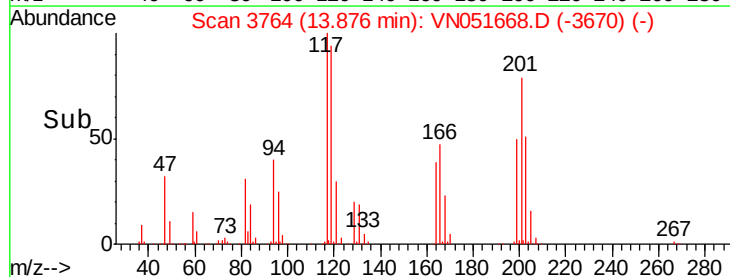
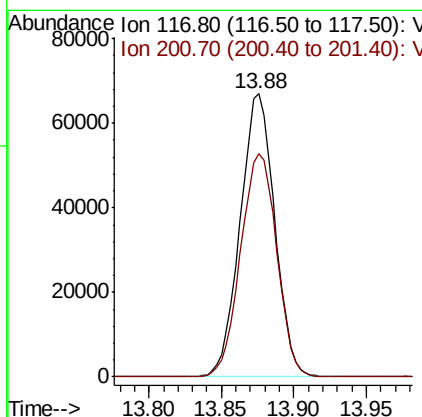
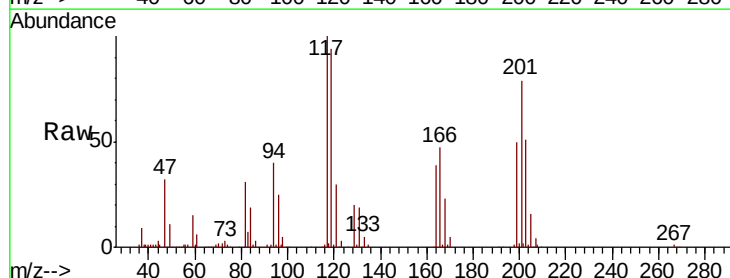
Manual Integrations
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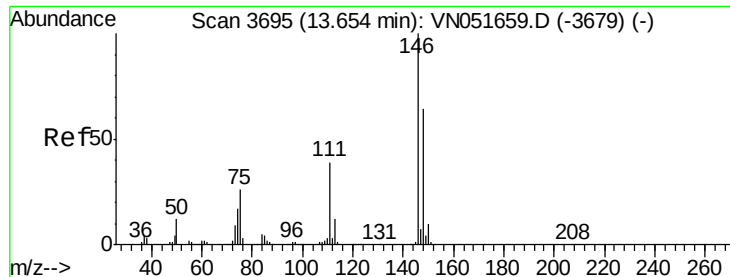
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#90
Hexachloroethane
Concen: 20.674 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	42.4	127.3





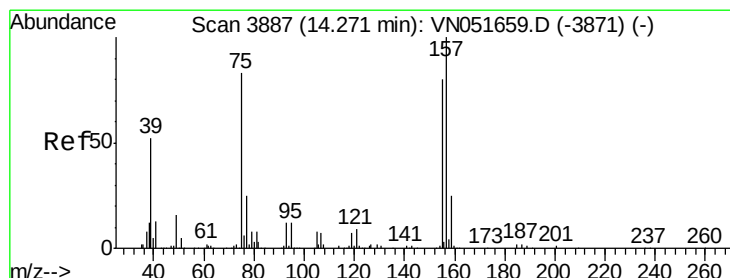
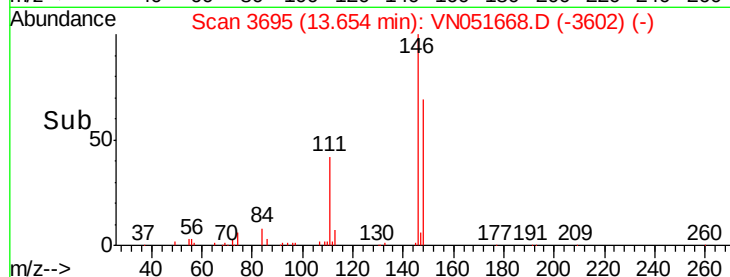
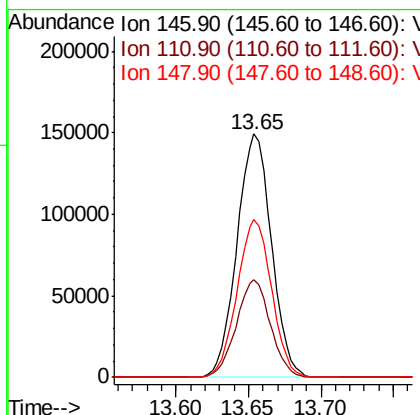
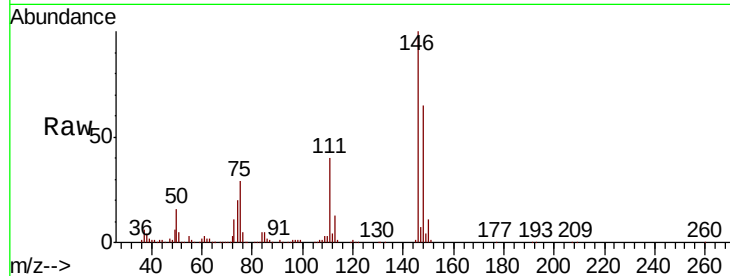
#91
 1,2-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	64.6	32.1	96.3

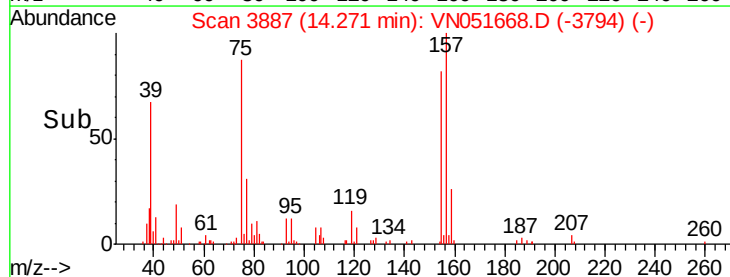
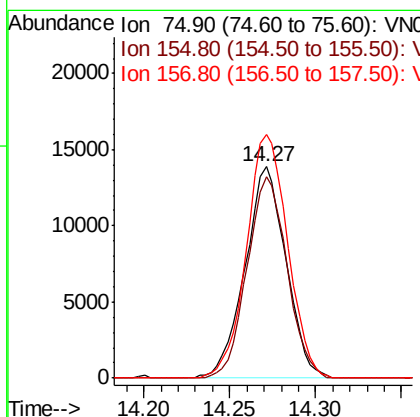
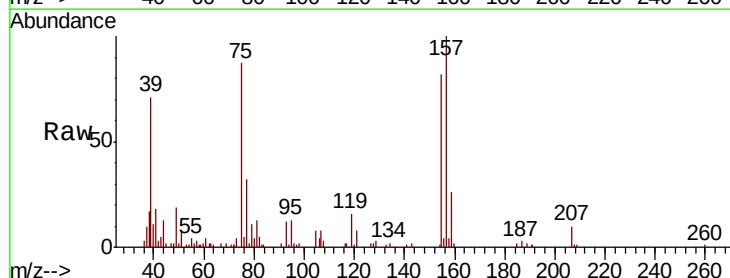
Manual Integrations
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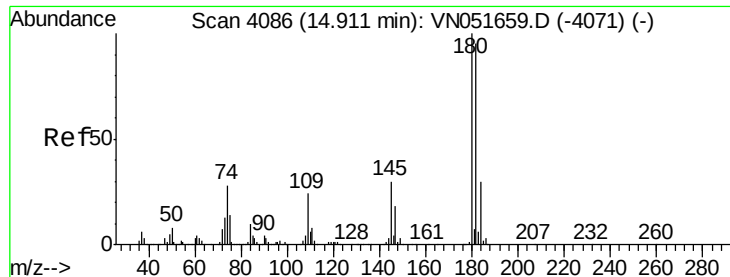
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 10/8/2018 1:53:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.499 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	47.6	142.9
157	115.7	61.7	185.1





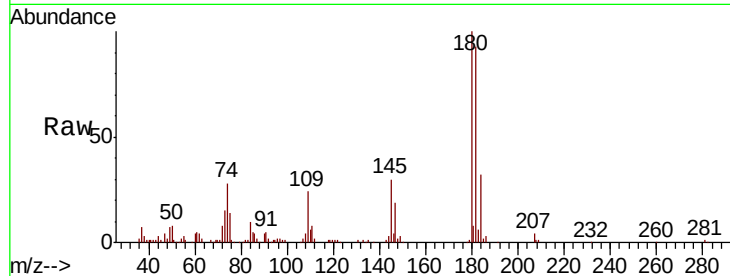
#93
 1,2,4-Trichlorobenzene
 Concen: 16.782 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96181		
182	96.0	47.7	143.1	
145	29.9	15.3	45.9	

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:14 PM

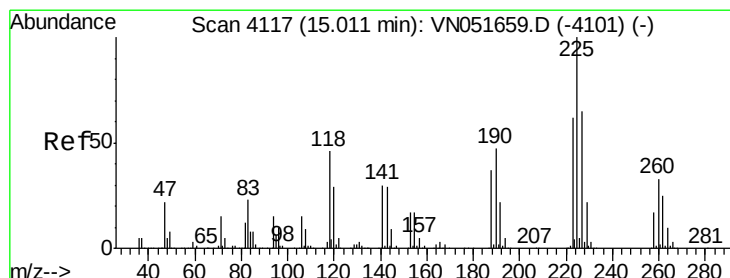
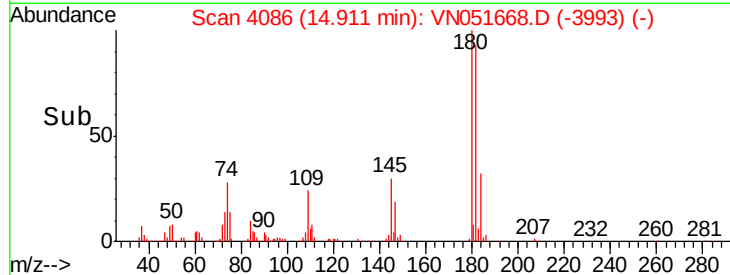
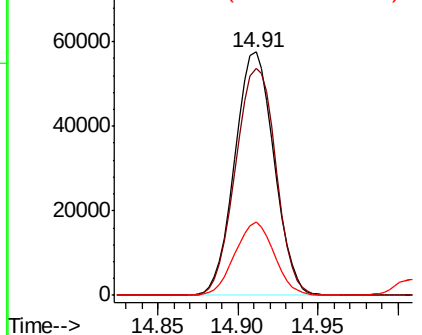


Abundance

Ion 179.80 (179.50 to 180.50): V

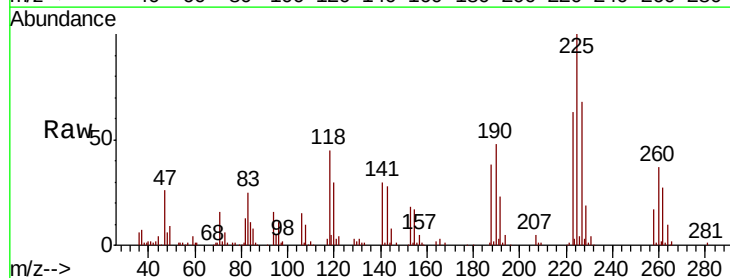
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.814 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77045		
223	62.7	31.9	95.5	
227	64.4	31.7	95.1	

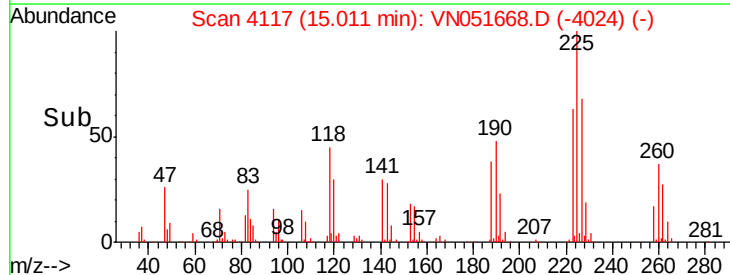
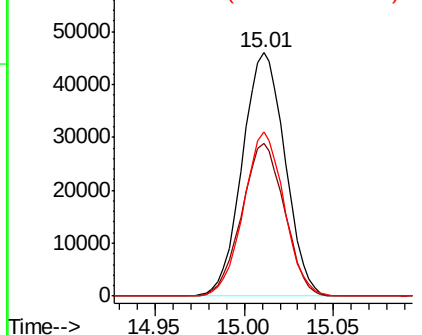


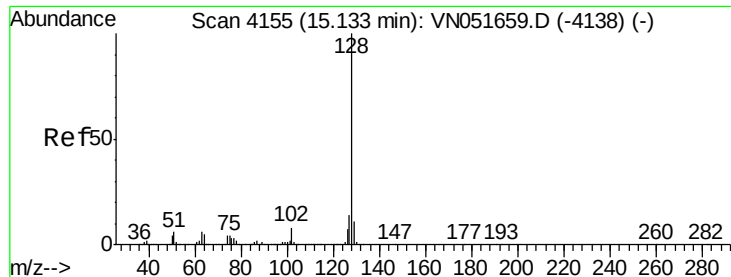
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





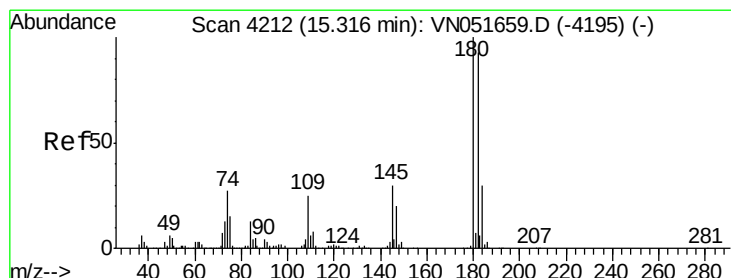
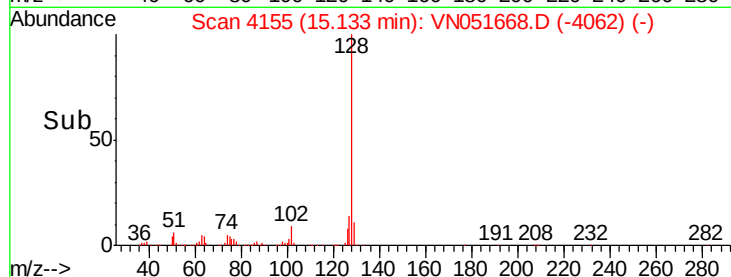
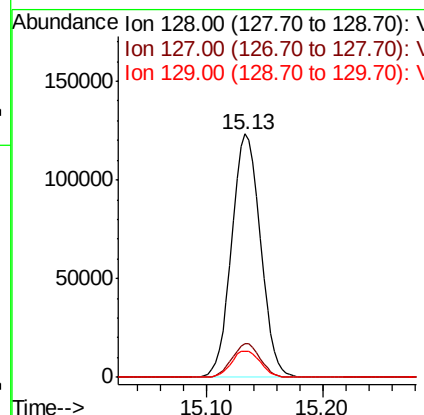
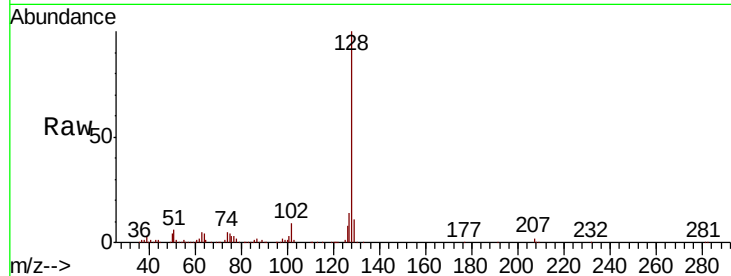
#95
Naphthalene
Concen: 17.071 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.758 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	29.8	15.6	46.8

