

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056804.D
 Acq On : 18 Jul 2019 10:55
 Operator : JC/SP
 Sample : VN0718WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 11:31:33 PM

Quant Time: Jul 19 05:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51811	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	278379	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	243331	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	102451	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	12.40	95	107620	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	10.09	98	340245	30.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	58421	19.844	ug/l 97
3) Chloromethane	2.06	50	76213	19.356	ug/l 99
4) Vinyl Chloride	2.18	62	75515	19.499	ug/l 97
5) Bromomethane	2.56	94	47668	19.528	ug/l 99
6) Chloroethane	2.70	64	43133	19.492	ug/l 99
7) Trichlorofluoromethane	3.01	101	97894	19.708	ug/l 97
8) Diethyl Ether	3.41	74	39694	19.541	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60580	19.558	ug/l 98
10) 1,1-Dichloroethene	3.74	96	59431	19.449	ug/l 92
11) Methyl Iodide	3.95	142	71294	17.556	ug/l 99
12) Methyl Acetate	4.33	43	73819	18.047	ug/l 98
13) Acrolein	3.61	56	31802	110.275	ug/l 99
14) Acrylonitrile	4.99	53	173471	96.271	ug/l 98
15) Acetone	3.81	58	54180	87.107	ug/l 98
16) Carbon Disulfide	4.05	76	148610	18.439	ug/l 99
17) Allyl chloride	4.32	41	102363	19.150	ug/l 96
18) Methylene Chloride	4.55	84	70440	19.634	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	62944	19.241	ug/l 97
20) Diisopropyl ether	5.95	45	208525	19.578	ug/l 99
21) 1,1-Dichloroethane	5.85	63	118785	19.519	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	73384	19.184	ug/l 99
23) tert-Butyl Alcohol	4.79	59	60294	95.923	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	186609	19.146	ug/l 99
25) Chloroform	7.37	83	116383	19.630	ug/l 99
26) Cyclohexane	7.65	56	106719	18.866	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	86852	19.627	ug/l 98
30) 2-Butanone	6.84	43	237064	92.531	ug/l 98
31) 2,2-Dichloropropane	6.83	77	85490	19.962	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	93647	19.854	ug/l 99
33) Carbon Tetrachloride	7.78	117	81509	20.081	ug/l 98
34) Benzene	8.04	78	277016	20.374	ug/l 99
35) Methacrylonitrile	7.17	41	31942m	16.320	ug/l
36) 1,2-Dichloroethane	8.12	62	87633	20.065	ug/l 99
37) Trichloroethene	8.84	130	75050	20.325	ug/l 98
38) Methylcyclohexane	9.08	83	107253	19.186	ug/l 99
39) 1,2-Dichloropropane	9.12	63	73772	20.215	ug/l 99
40) Dibromomethane	9.21	93	46362	19.945	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	85976	20.069	ug/l	99
42) Vinyl Acetate	5.90	43	854536	100.218	ug/l	99
43) Ethyl Acetate	6.93	43	93328	20.158	ug/l	99
44) Isopropyl Acetate	8.17	43	139886	19.372	ug/l	99
45) 1,4-Dioxane	9.20	88	28296	387.335	ug/l	97
46) Methyl methacrylate	9.20	41	67594	19.485	ug/l	95
47) n-amyl Acetate	12.07	43	106781	18.081	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	88699	18.823	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	105075	19.766	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	69232	20.443	ug/l	98
51) Ethyl methacrylate	10.43	69	101477	19.481	ug/l	99
52) 1,3-Dichloropropane	10.71	76	114772	20.254	ug/l	98
53) Dibromochloromethane	10.90	129	68115	19.901	ug/l	98
54) 1,2-Dibromoethane	11.00	107	69621	19.781	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	234972	93.281	ug/l	99
56) Bromoform	12.13	173	49334	19.471	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	462259	100.933	ug/l	100
59) 2-Hexanone	10.75	43	329916	94.900	ug/l	99
61) Tetrachloroethene	10.63	164	73491	21.019	ug/l	99
62) Toluene	10.16	91	290414	20.320	ug/l	99
64) Chlorobenzene	11.43	112	175131	20.091	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	66353	20.763	ug/l	98
66) Ethyl Benzene	11.51	91	307703	19.918	ug/l	100
67) m/p-Xylenes	11.62	106	227610	39.040	ug/l	99
68) o-Xylene	11.95	106	111753	19.652	ug/l	99
69) Styrene	11.96	104	183222	19.445	ug/l	99
70) Isopropylbenzene	12.25	105	297602	19.966	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	97596	20.173	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	87435m	21.145	ug/l	
73) Bromobenzene	12.53	156	77010	19.771	ug/l	99
74) n-propylbenzene	12.59	91	322029	19.149	ug/l	100
75) 2-Chlorotoluene	12.67	91	197548	19.505	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	253664	19.952	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	25085	18.250	ug/l	96
78) 4-Chlorotoluene	12.77	91	183346	18.668	ug/l	99
79) tert-butylbenzene	12.99	119	212965	19.691	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	250649	19.879	ug/l	100
81) sec-Butylbenzene	13.17	105	277591	19.390	ug/l	100
82) p-Isopropyltoluene	13.29	119	249079	19.131	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119479	18.404	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	111718	17.952	ug/l	99
85) n-Butylbenzene	13.61	91	189979	17.691	ug/l	99
86) Hexachloroethane	13.87	117	39124	19.152	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	124183	19.034	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15594	18.682	ug/l	100
89) 1,2,4-Trichlorobenzene	14.90	180	50216	14.310	ug/l	100
90) Hexachlorobutadiene	15.01	225	42033	18.423	ug/l	97
91) Naphthalene	15.13	128	126838	13.438	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	56576	15.375	ug/l	100

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Manual Integrations
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QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

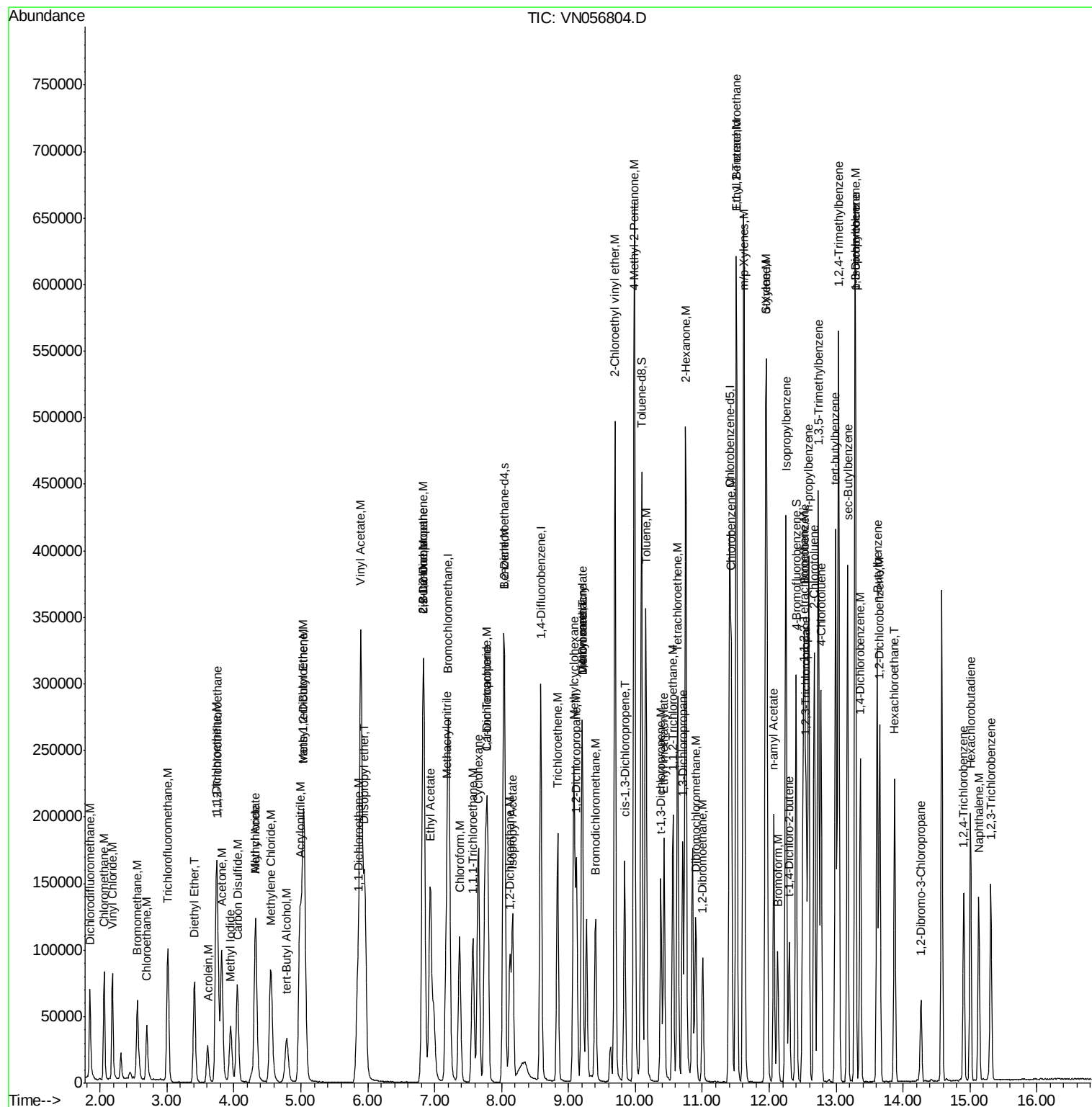
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
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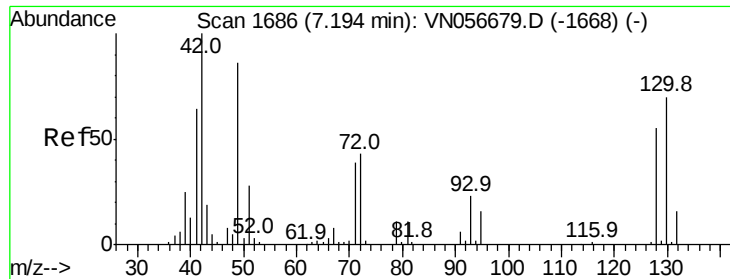
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0718WBS01

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

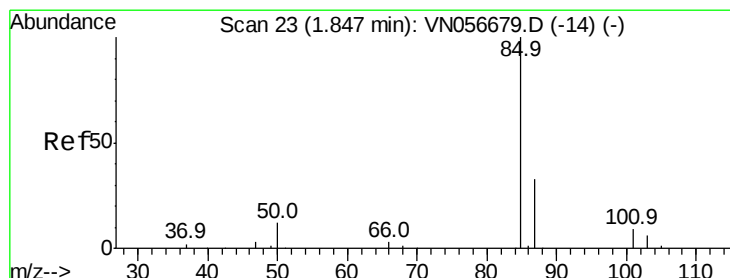
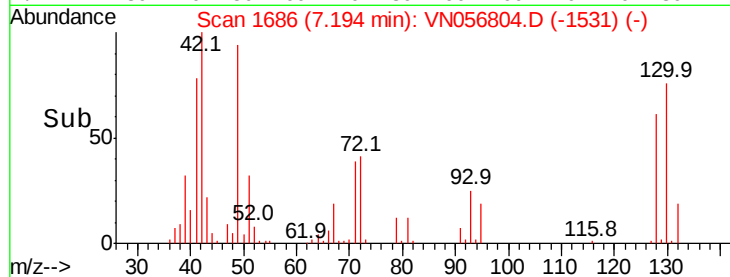
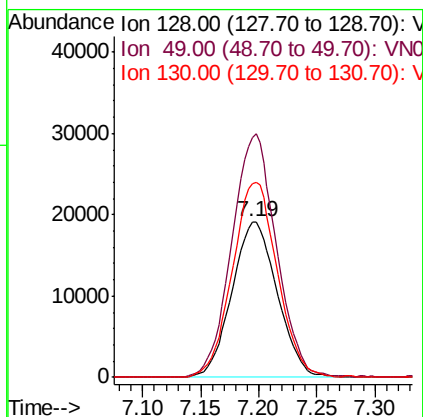
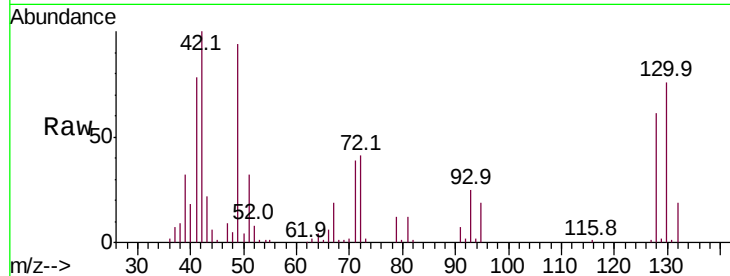
ClientSampleId :

VN0718WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	153.9	0.0	390.5
130	124.8	0.0	316.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.844 ug/l

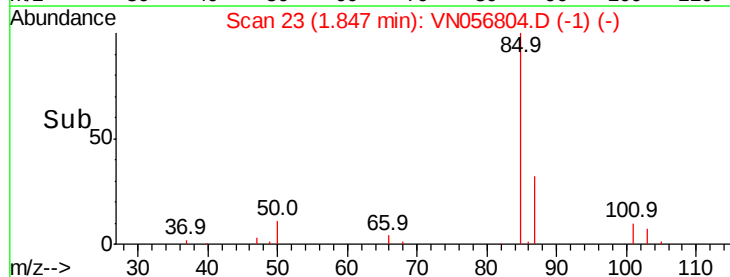
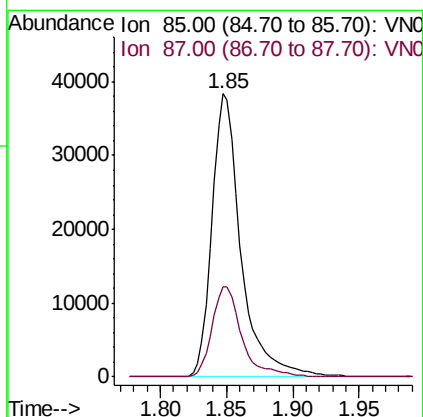
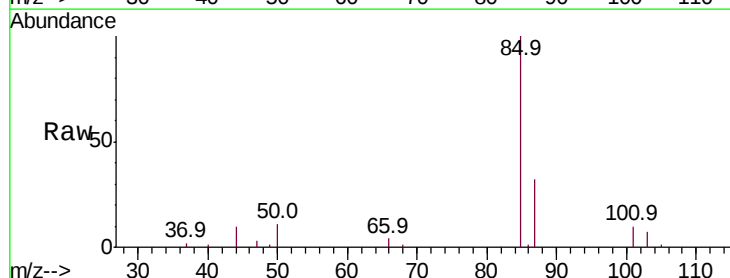
RT: 1.85 min Scan# 23

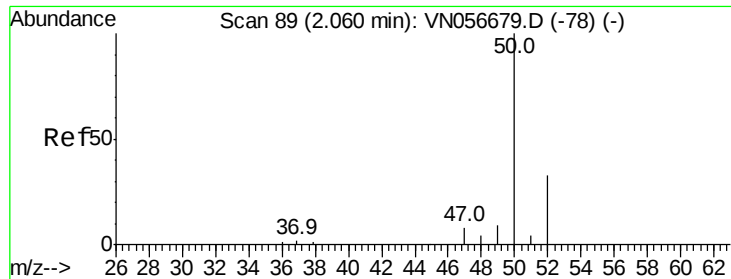
Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.8	50.3





#3

Chloromethane

Concen: 19.356 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion: 50 Resp: 76213

Ion Ratio Lower Upper

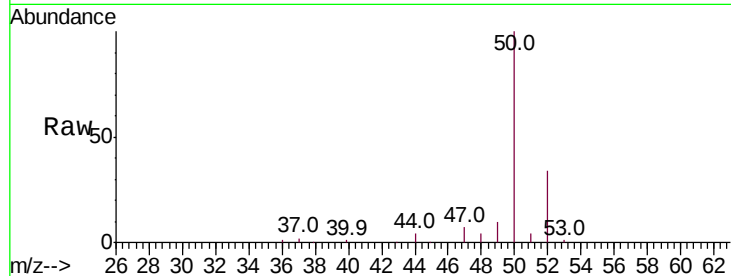
50 100

52 33.9 26.5 39.7

Manual Integrations
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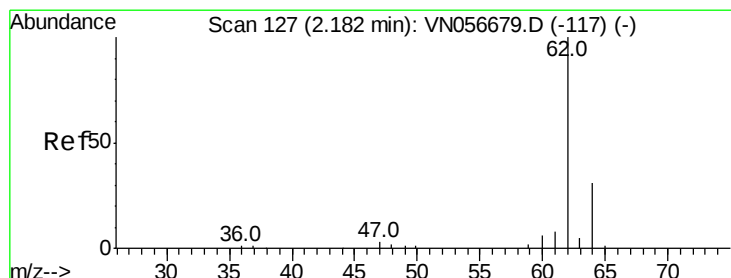
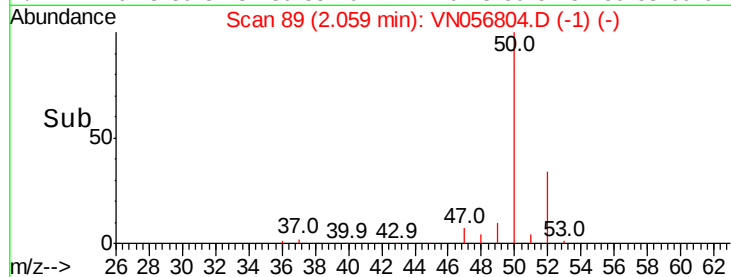
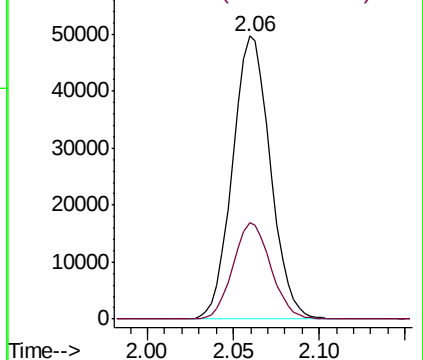
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 19.499 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056804.D

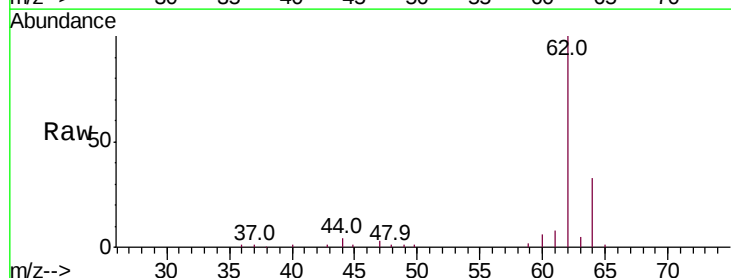
Acq: 18 Jul 2019 10:55

Tgt Ion: 62 Resp: 75515

Ion Ratio Lower Upper

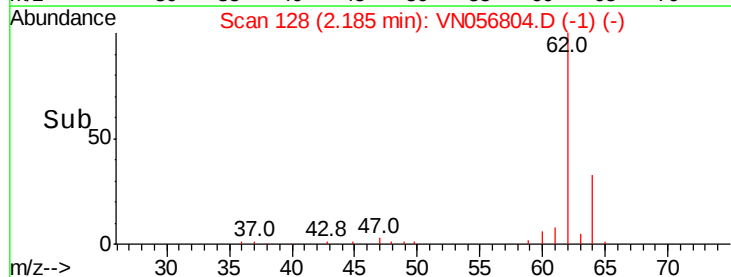
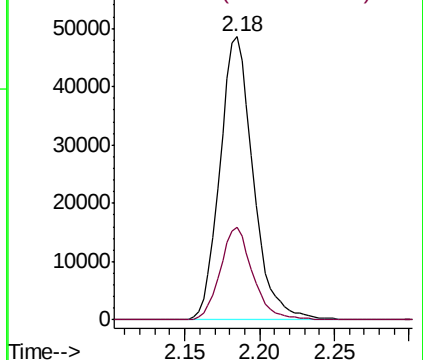
62 100

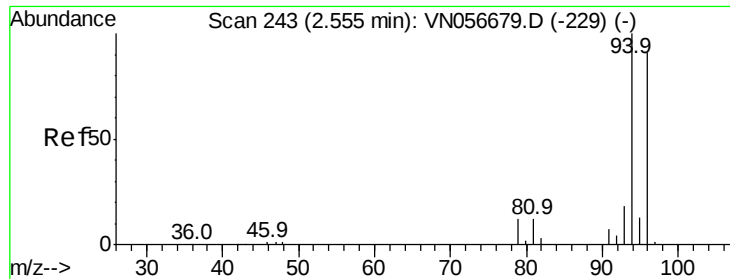
64 32.6 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 19.528 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion: 94 Resp: 47668

Ion Ratio Lower Upper

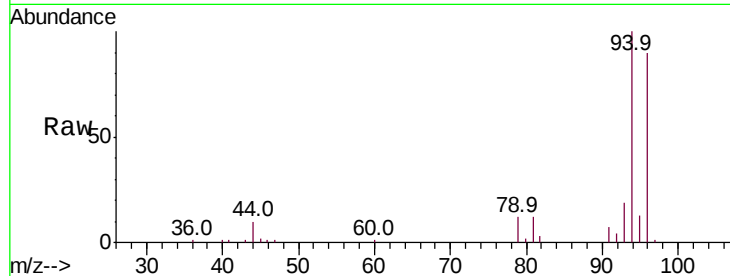
94 100

96 90.4 72.8 109.2

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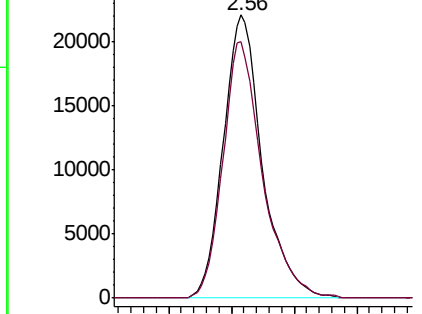
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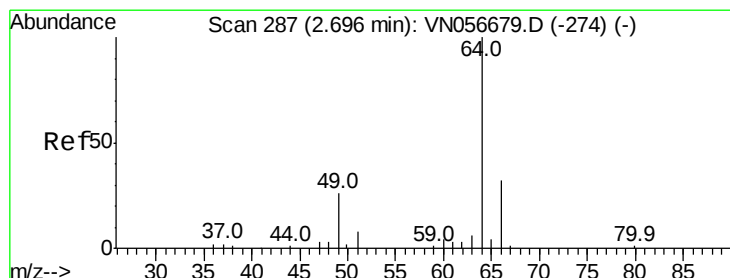
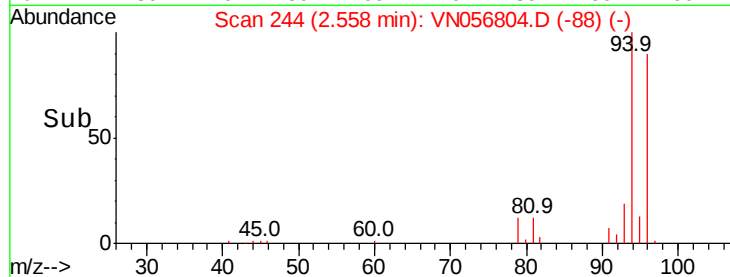


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 19.492 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN056804.D

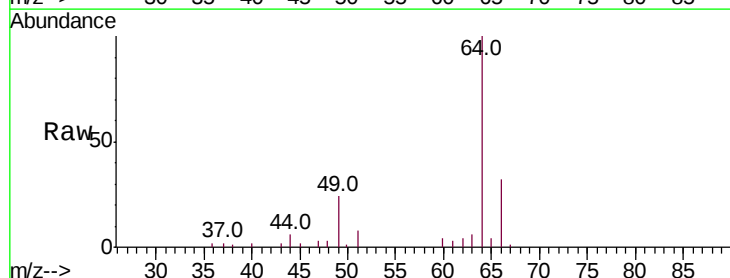
Acq: 18 Jul 2019 10:55

Tgt Ion: 64 Resp: 43133

Ion Ratio Lower Upper

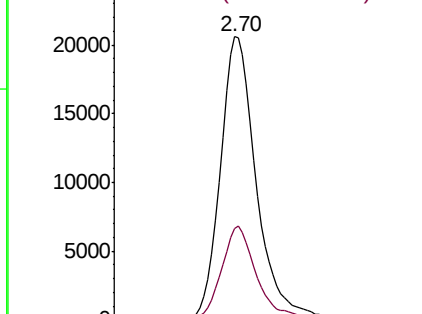
64 100

66 32.5 25.7 38.5

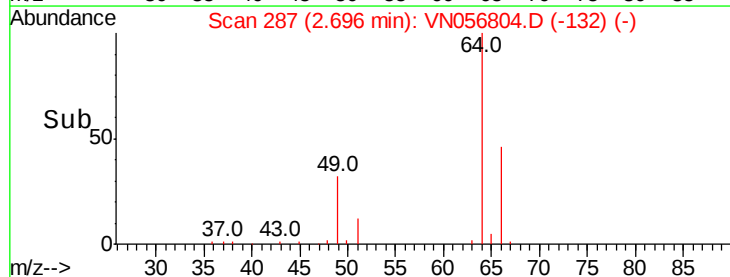


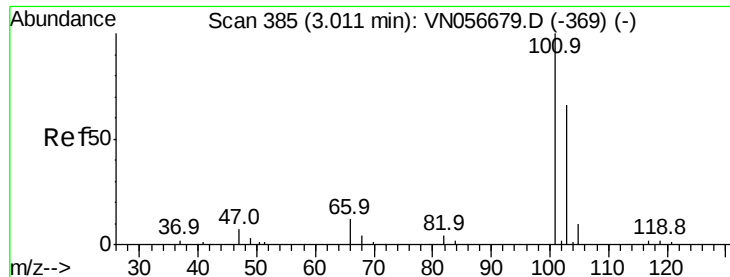
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->





#7

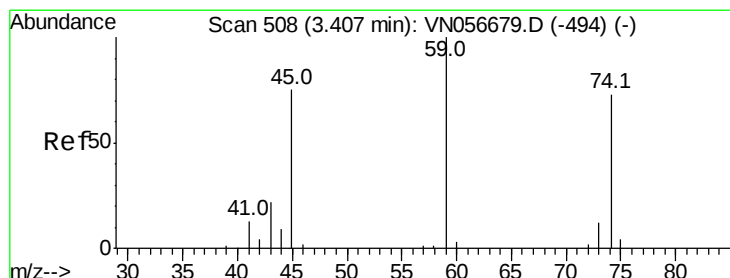
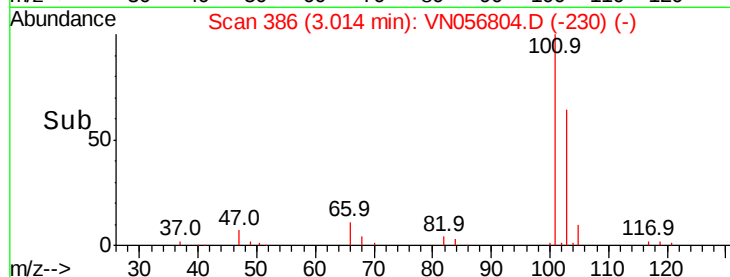
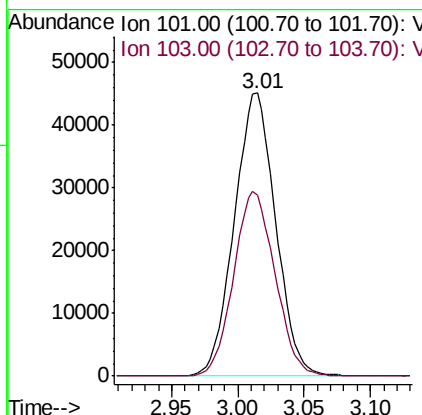
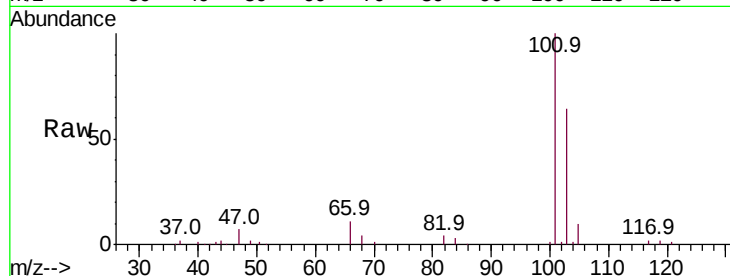
Trichlorofluoromethane
 Concen: 19.708 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion:101 Resp: 97894
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.8 79.2

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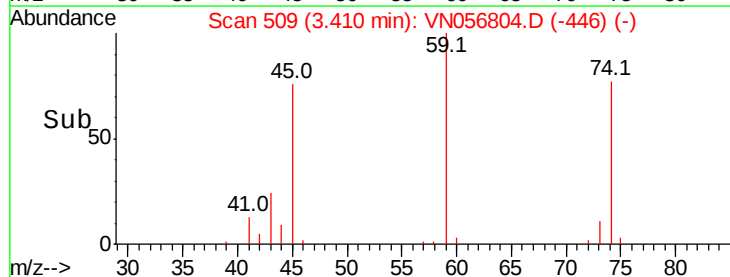
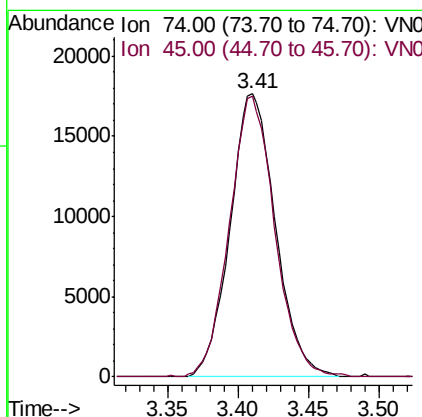
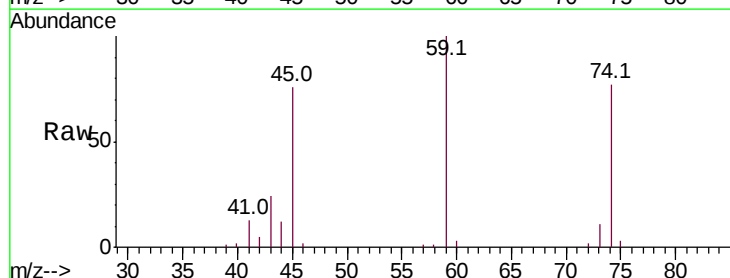
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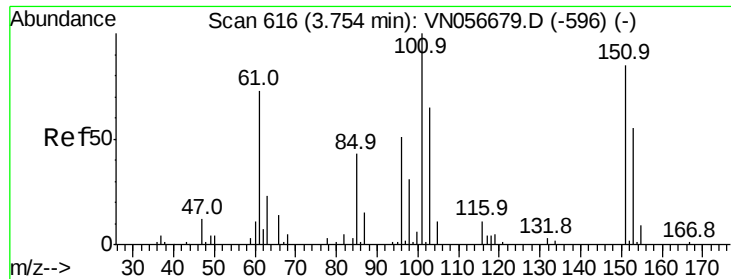


#8

Diethyl Ether
 Concen: 19.541 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 74 Resp: 39694
 Ion Ratio Lower Upper
 74 100
 45 99.0 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.558 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

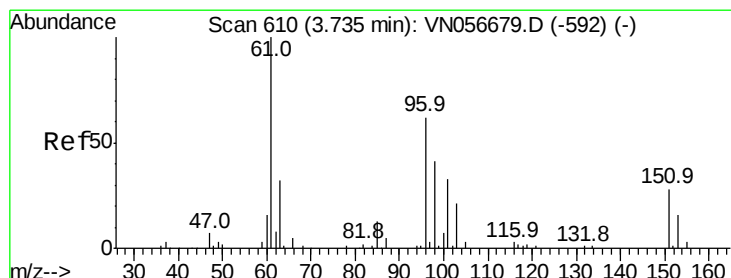
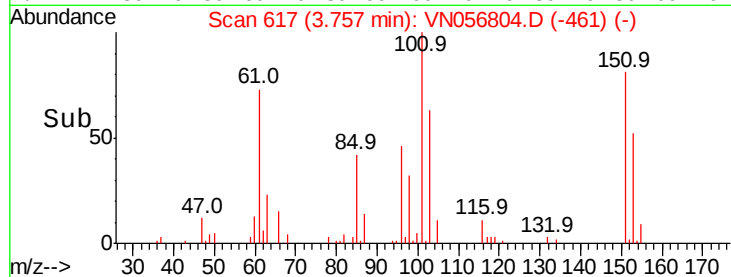
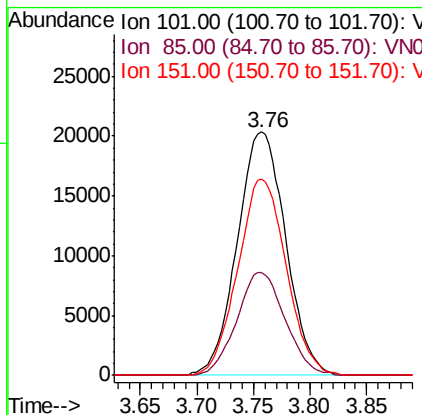
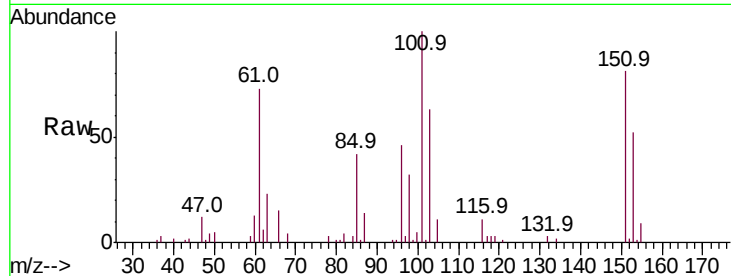
ClientSampled :

VN0718WBS01

Tot Ion:	101	Resp:	60580
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	84.2
151	80.9	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 19.449 ug/l

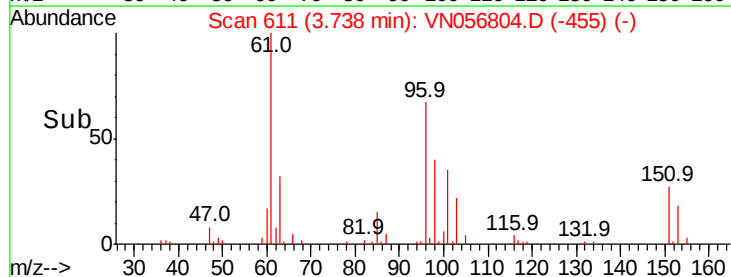
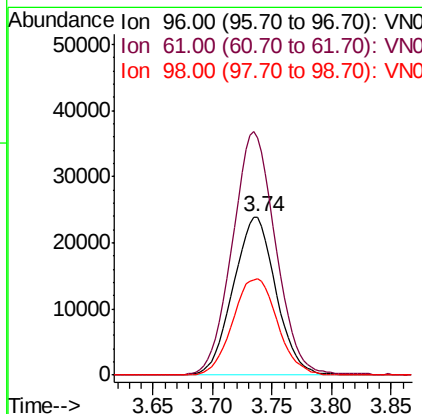
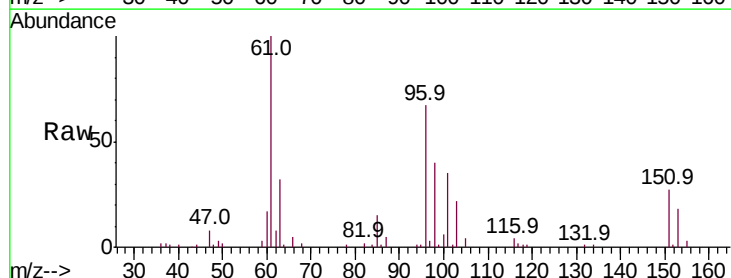
RT: 3.74 min Scan# 611

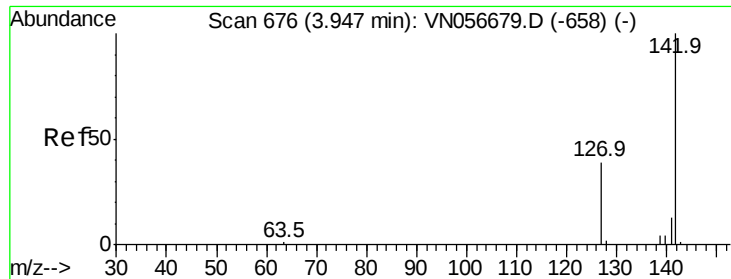
Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	96	Resp:	59431
Ion Ratio	Lower	Upper	
96	100		
61	149.4	129.0	193.4
98	60.8	52.5	78.7





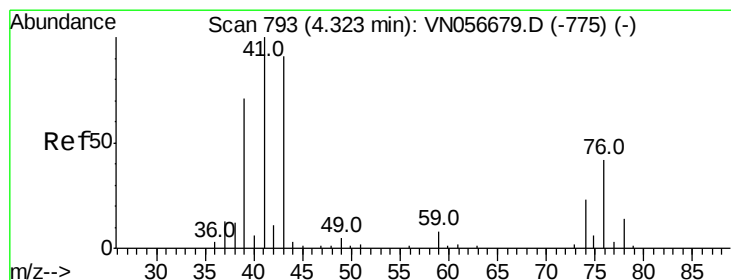
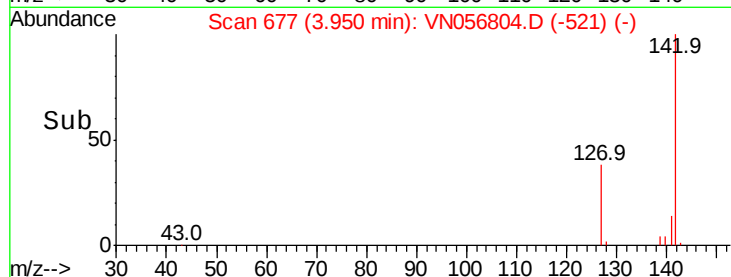
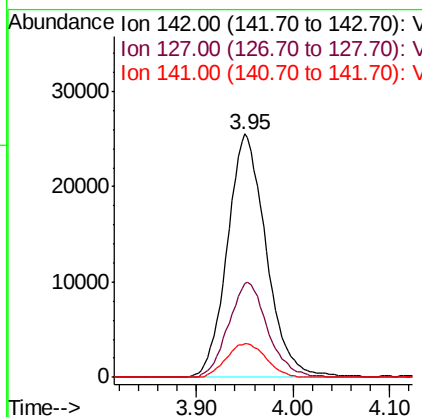
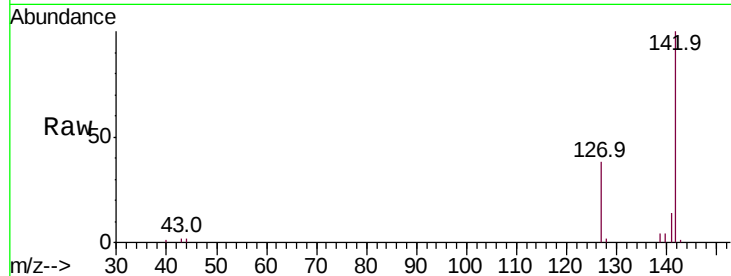
#11
Methvl Iodide
Concen: 17.556 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.5	58.5
141	14.0	6.8	20.3

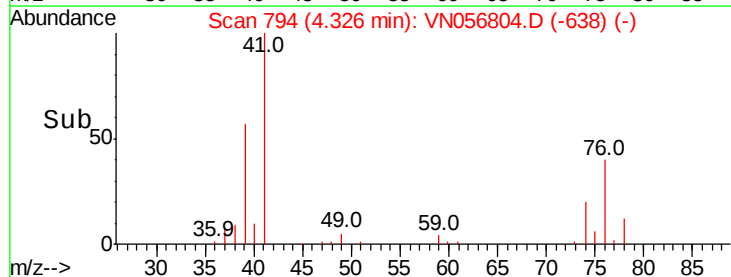
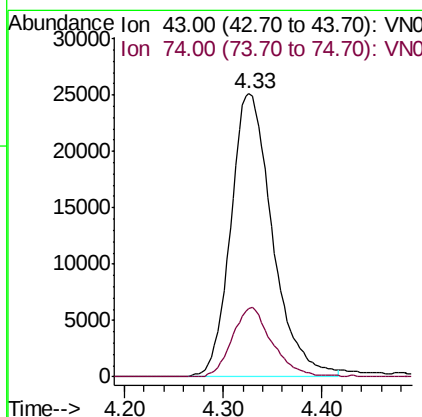
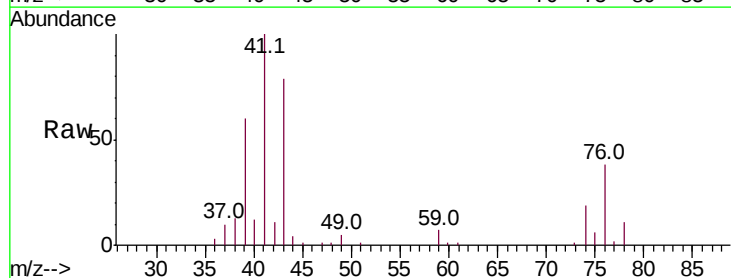
Manual Integrations
APPROVED

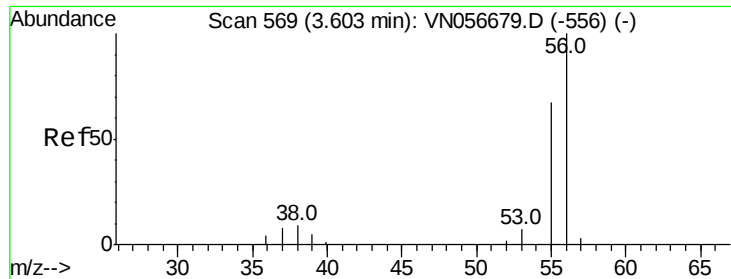
MMDadoda
7/19/2019 11:31:33 PM



#12
Methyl Acetate
Concen: 18.047 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.2	30.4





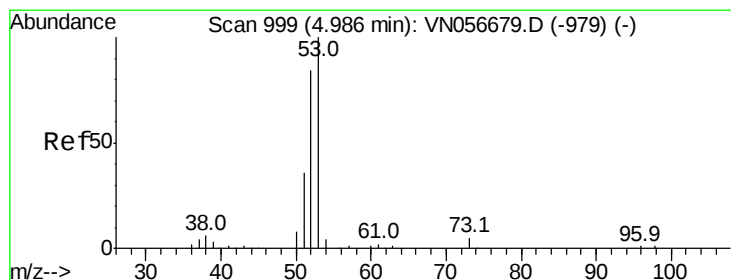
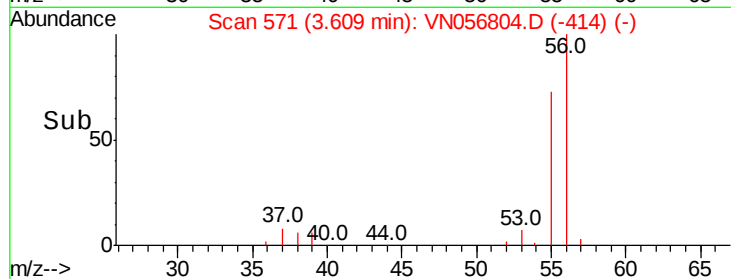
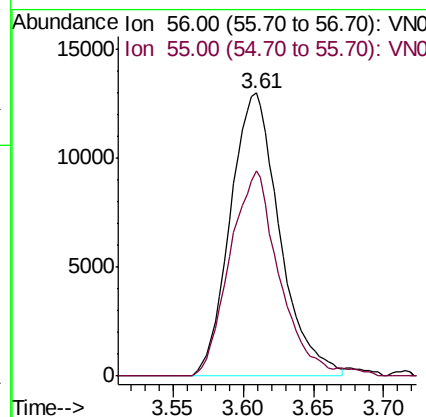
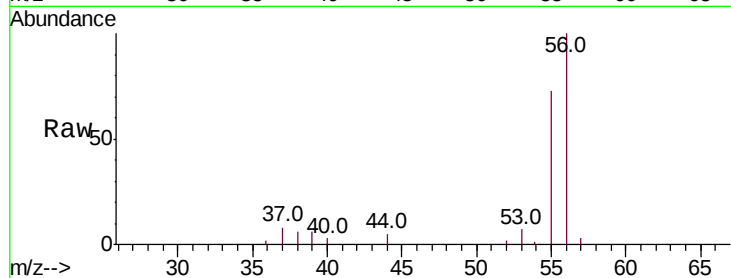
#13
Acrolein
Concen: 110.275 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion: 56 Resp: 31802
Ion Ratio Lower Upper
56 100
55 71.9 56.9 85.3

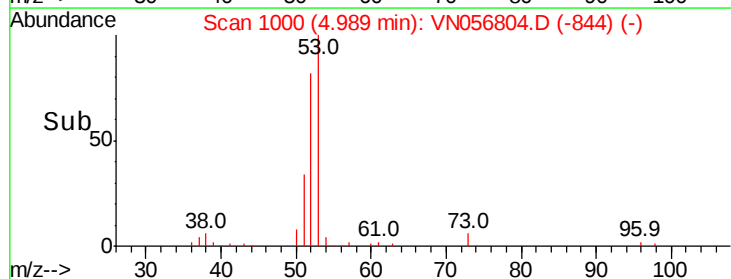
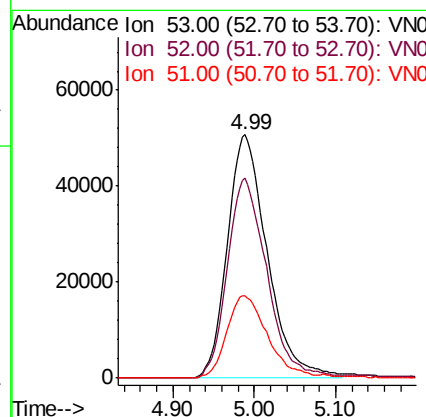
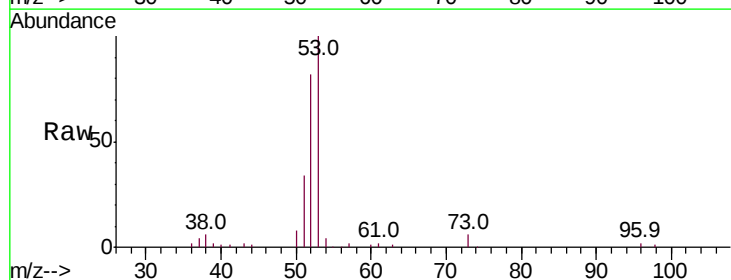
Manual Integrations
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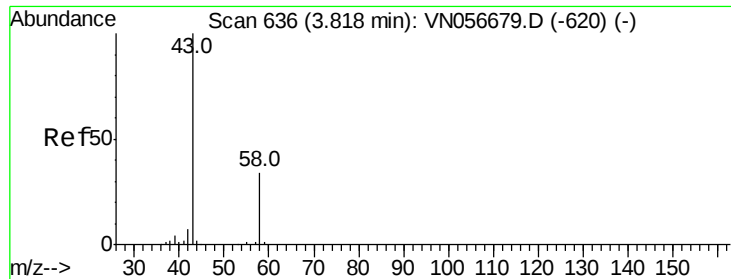
MMDadoda
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#14
Acrylonitrile
Concen: 96.271 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 53 Resp: 173471
Ion Ratio Lower Upper
53 100
52 81.1 41.3 123.7
51 34.6 17.7 53.1





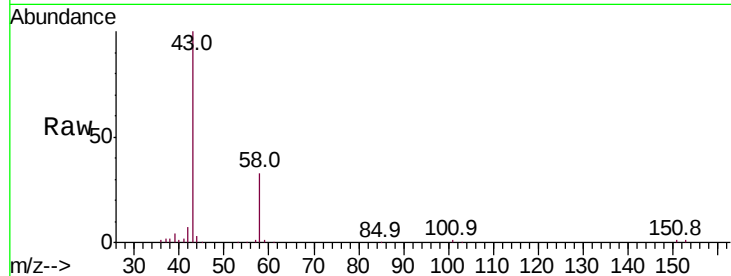
#15
Acetone
Concen: 87.107 ug/l
RT: 3.81 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

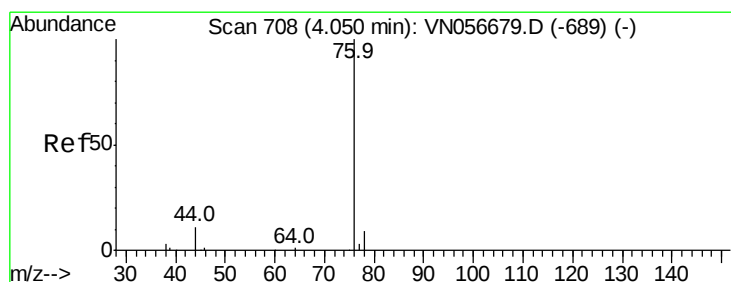
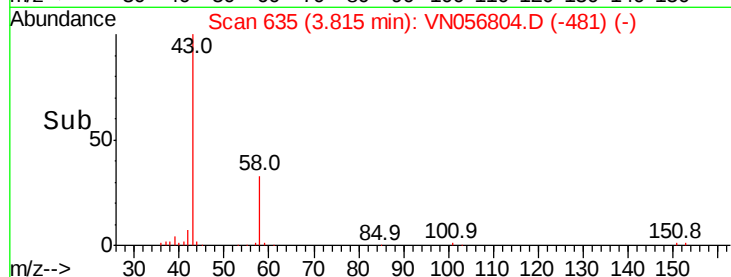
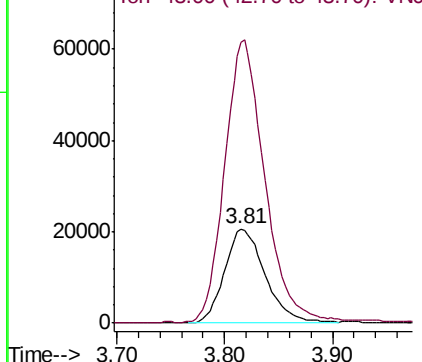
Tot Ion: 58 Resp: 54180
Ion Ratio Lower Upper
58 100
43 296.8 233.9 350.9

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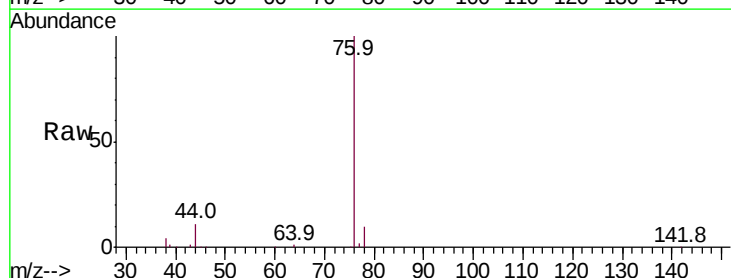


Abundance Ion 58.00 (57.70 to 58.70): VNO
Ion 43.00 (42.70 to 43.70): VNO

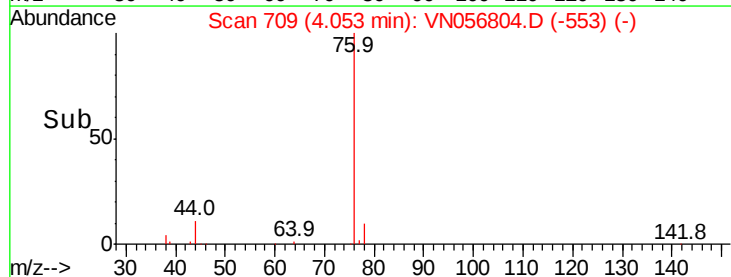
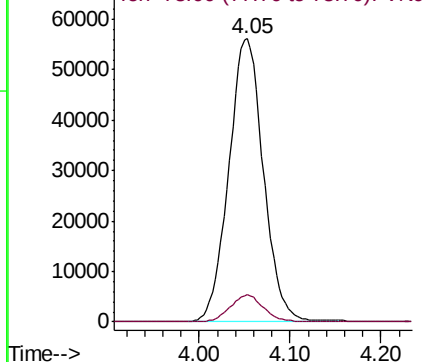


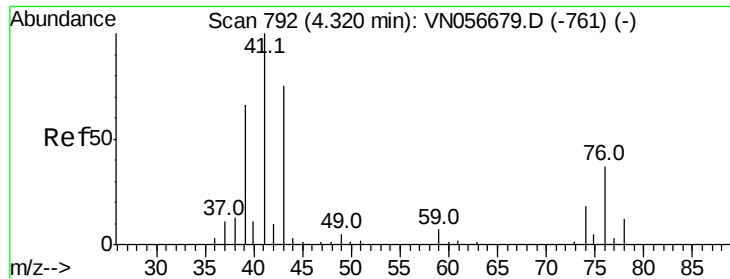
#16
Carbon Disulfide
Concen: 18.439 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 76 Resp: 148610
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VNO
Ion 78.00 (77.70 to 78.70): VNO





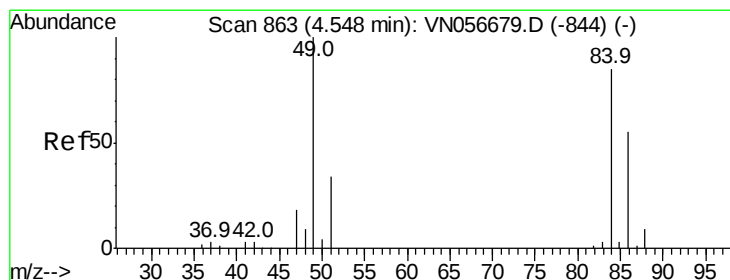
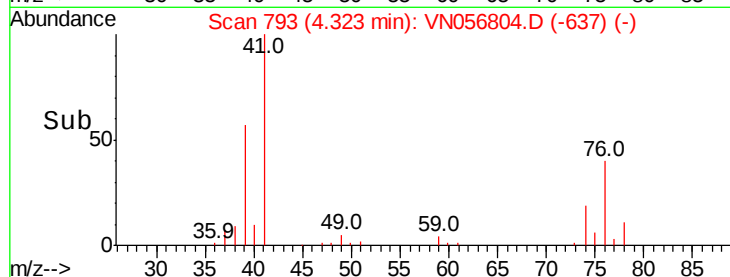
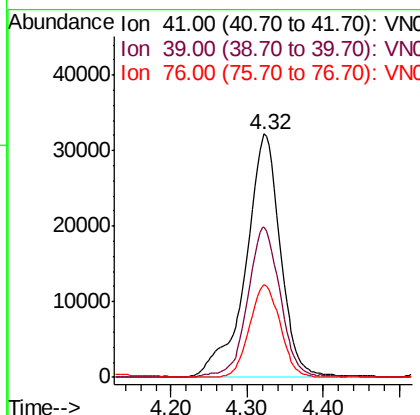
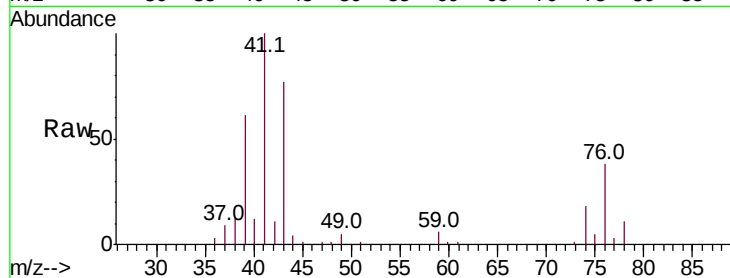
#17
Allvl chloride
Concen: 19.150 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.5	32.8	98.4
76	37.9	18.5	55.5

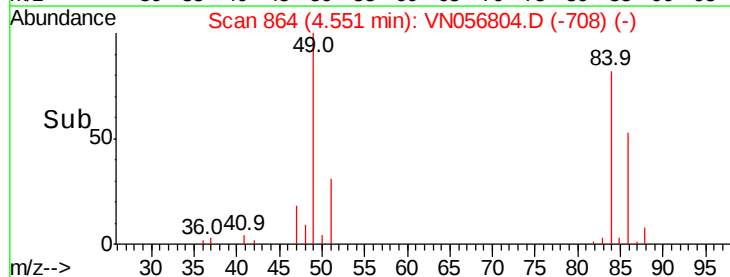
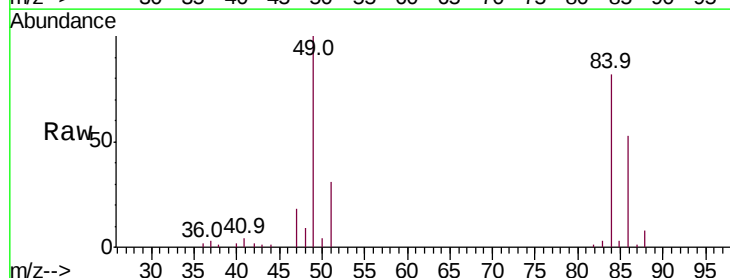
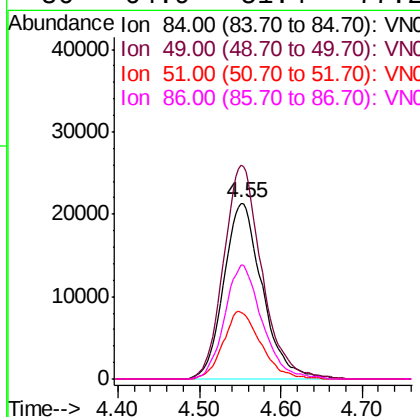
Manual Integrations
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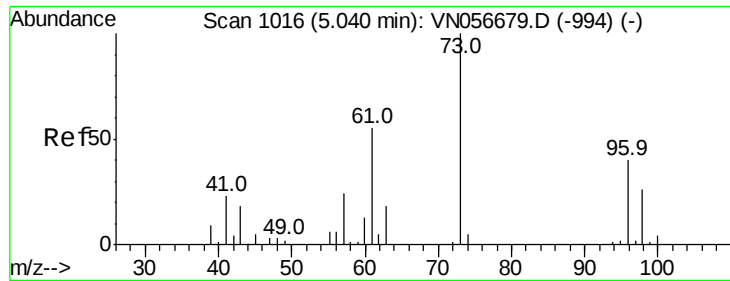
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#18
Methylene Chloride
Concen: 19.634 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	93.9	140.9
51	37.9	31.7	47.5
86	64.9	51.4	77.2





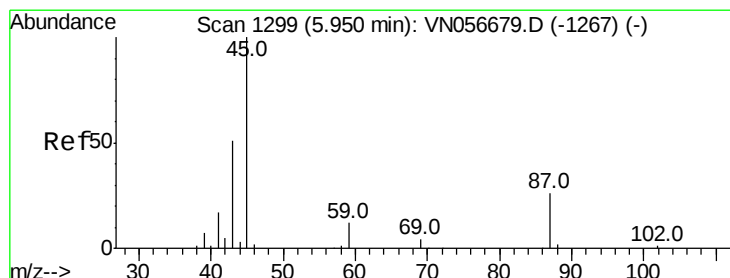
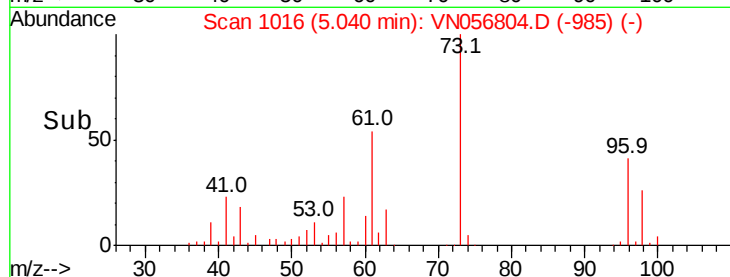
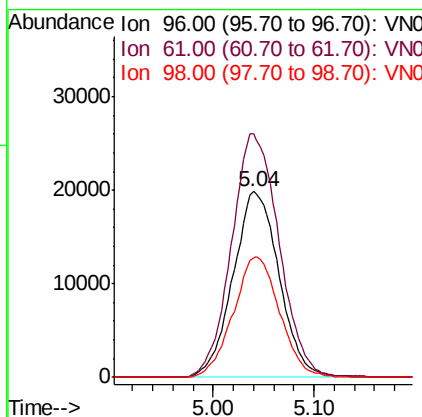
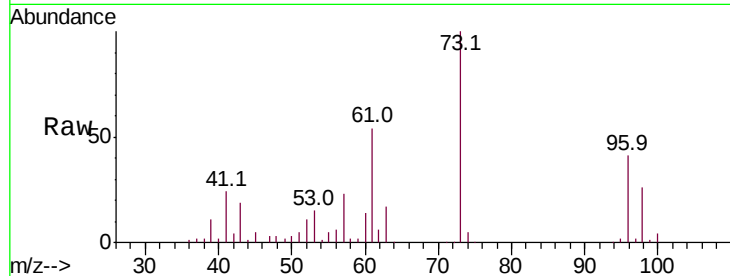
#19
trans-1,2-Dichloroethene
Concen: 19.241 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion: 96 Resp: 62944
Ion Ratio Lower Upper
96 100
61 131.0 109.6 164.4
98 64.3 51.4 77.2

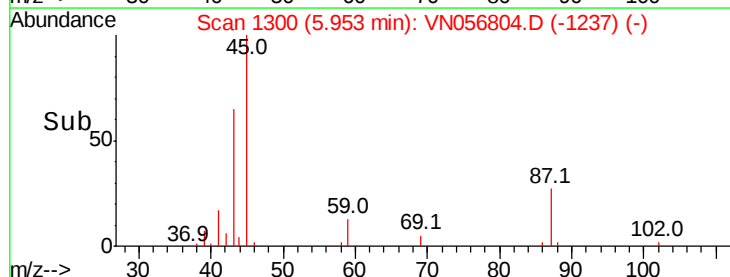
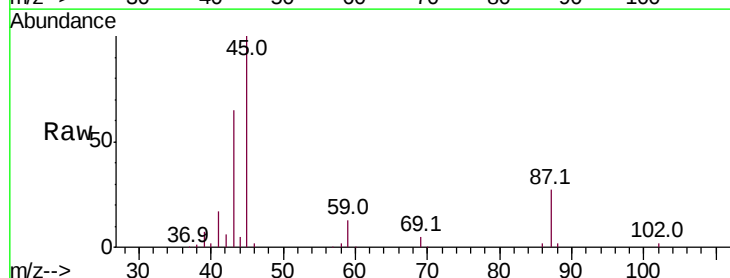
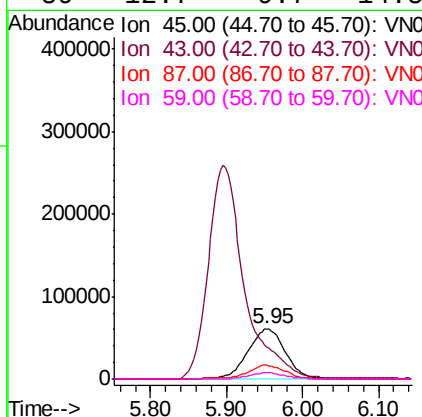
Manual Integrations
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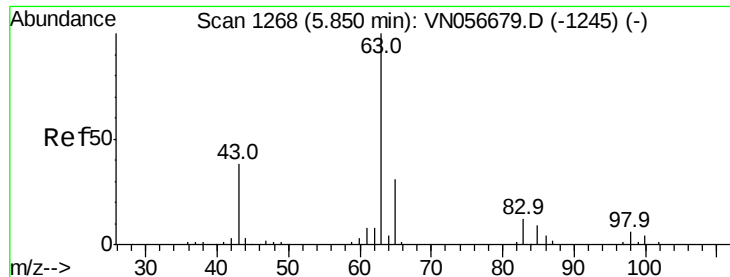
MMDadoda
7/19/2019 11:31:33 PM



#20
Diisopropyl ether
Concen: 19.578 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 45 Resp: 208525
Ion Ratio Lower Upper
45 100
43 62.4 50.3 75.5
87 27.2 21.4 32.0
59 12.7 9.7 14.5





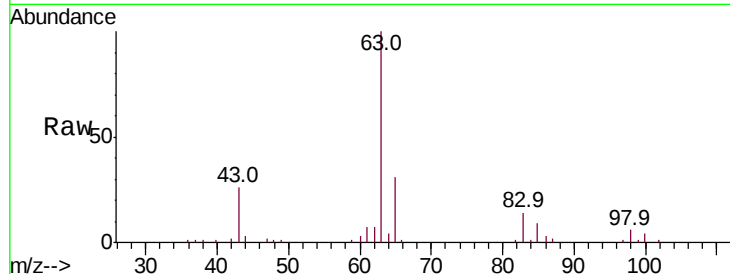
#21
 1,1-Dichloroethane
 Concen: 19.519 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.1	2.1	6.3

Manual Integrations
 APPROVED

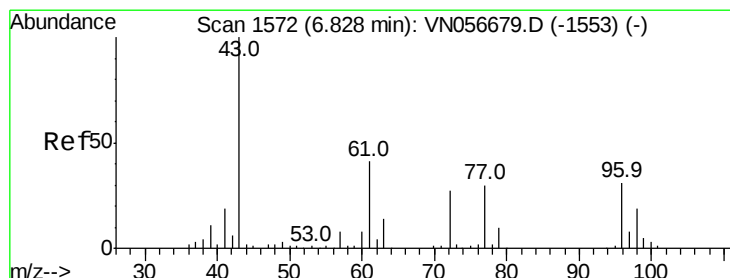
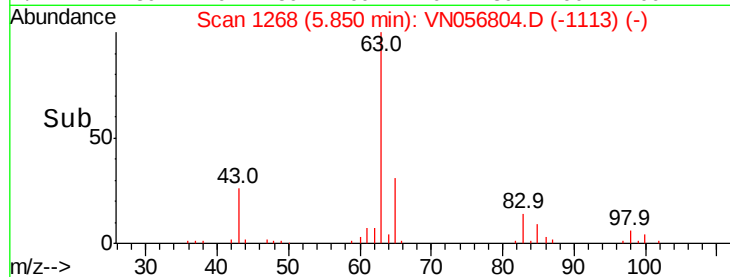
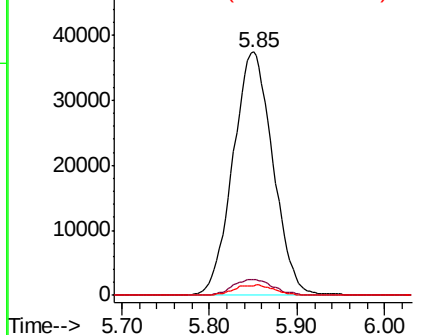
MMDadoda
 7/19/2019 11:31:33 PM



Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-1245) (-)



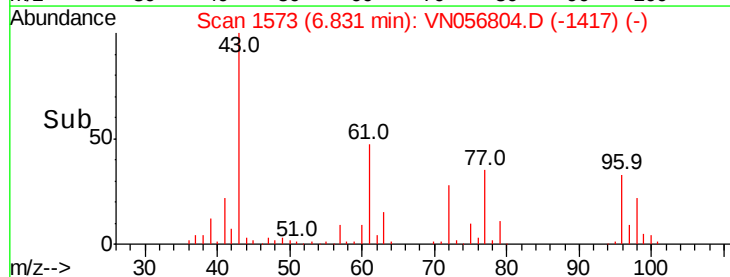
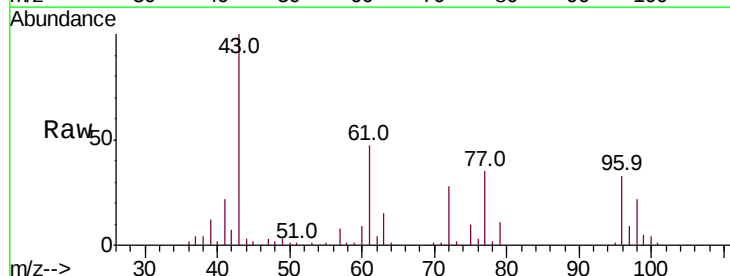
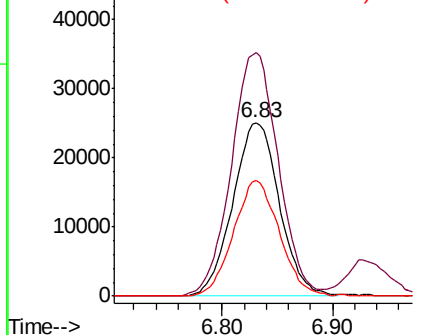
#22
 cis-1,2-Dichloroethene
 Concen: 19.184 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

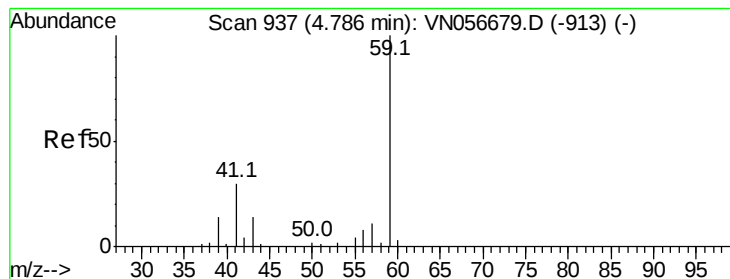
Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	141.7	112.1	168.1
98	65.5	52.2	78.2

Abundance Ion 96.00 (95.70 to 96.70): VN056679.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN056679.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1553) (-)





#23

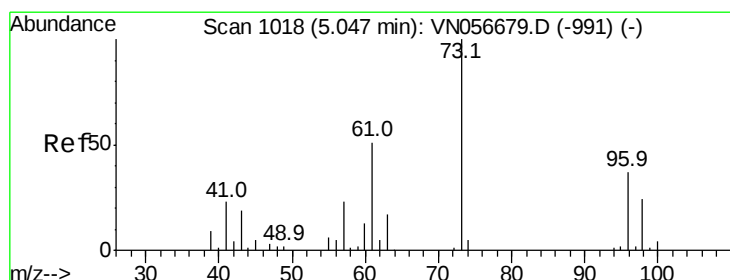
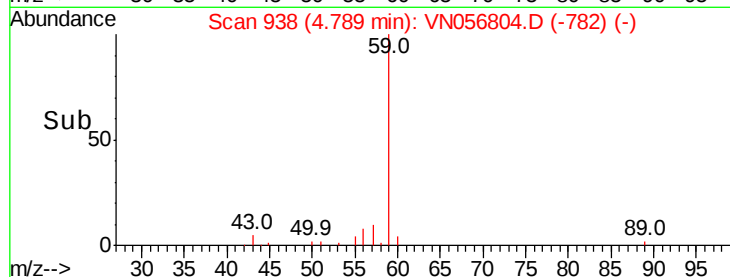
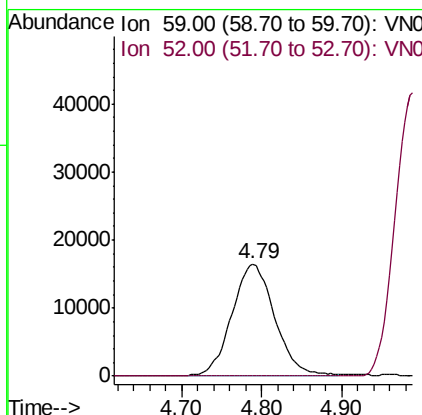
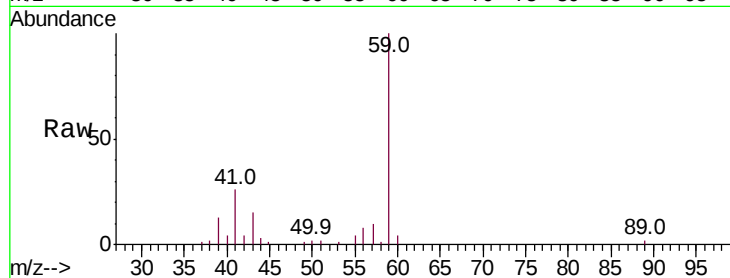
tert-Butyl Alcohol
 Concen: 95.923 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN0718WBS01

Tot Ion: 59 Resp: 60294
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
 APPROVED

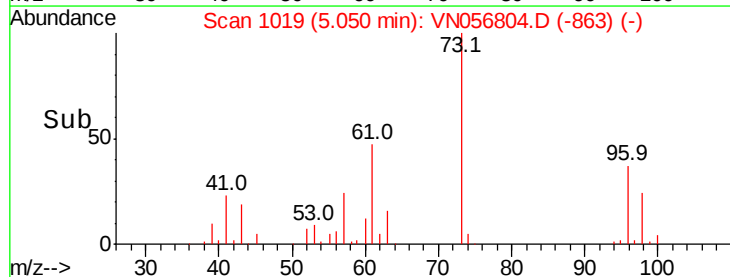
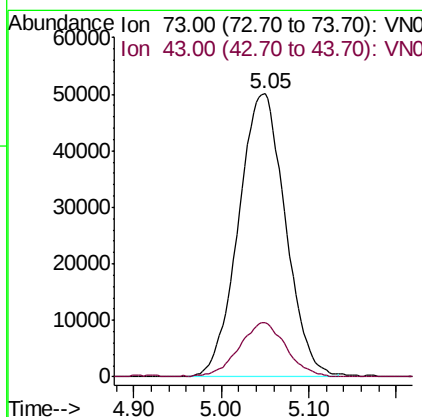
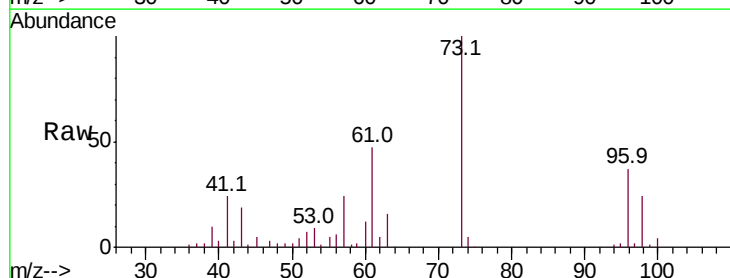
MMDadoda
 7/19/2019 11:31:33 PM

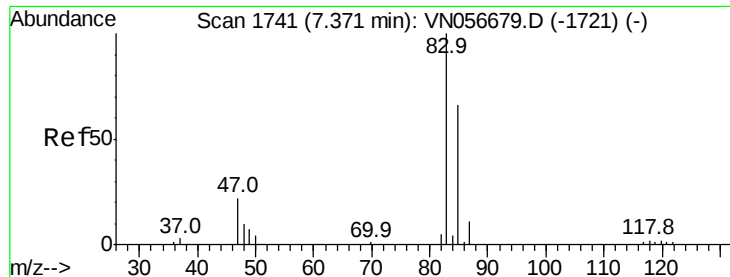


#24

Methyl tert-Butyl Ether
 Concen: 19.146 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 73 Resp: 186609
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.1 22.7





#25

Chloroform

Concen: 19.630 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion: 83 Resp: 116383

Ion Ratio Lower Upper

83 100

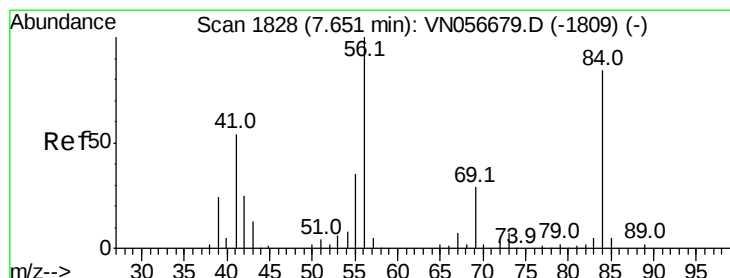
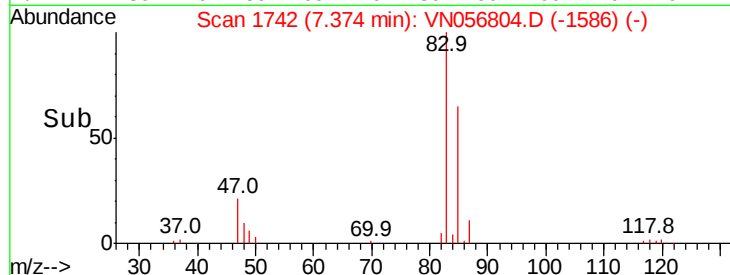
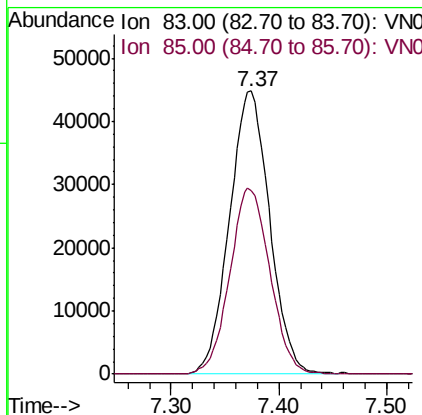
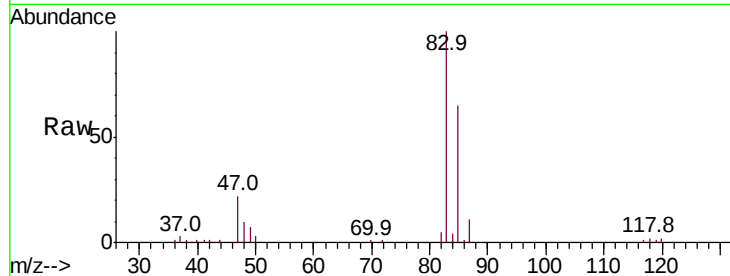
85 65.1 52.6 79.0

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#26

Cyclohexane

Concen: 18.866 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

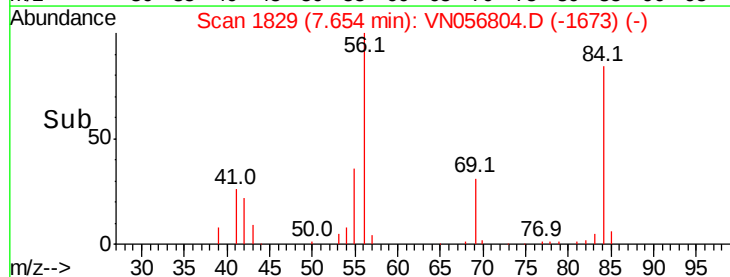
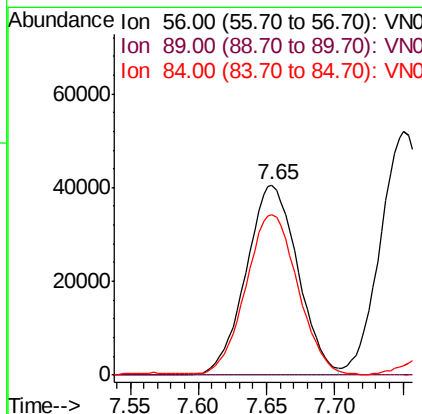
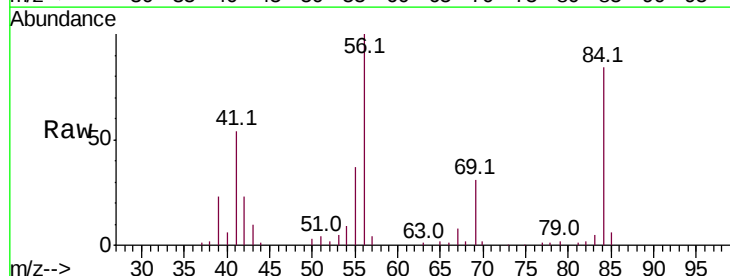
Tgt Ion: 56 Resp: 106719

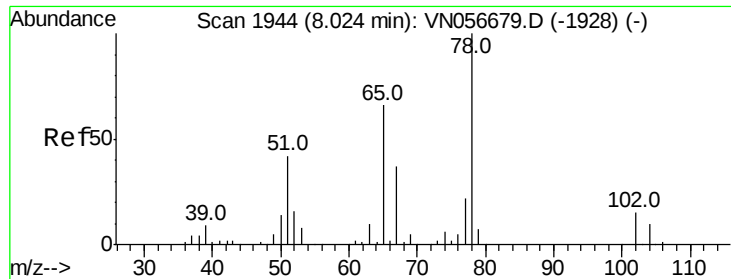
Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

84 85.3 68.2 102.4





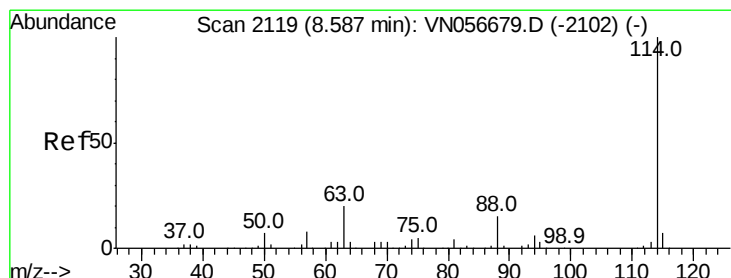
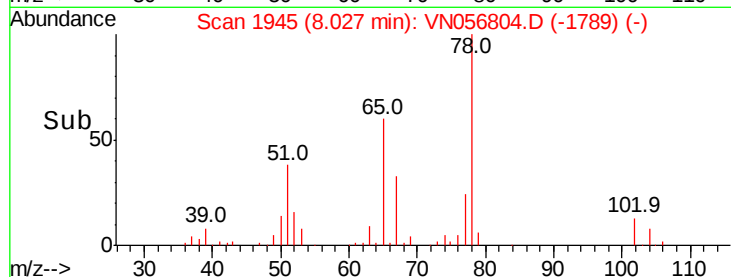
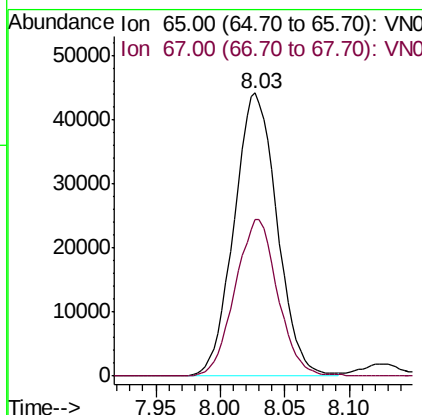
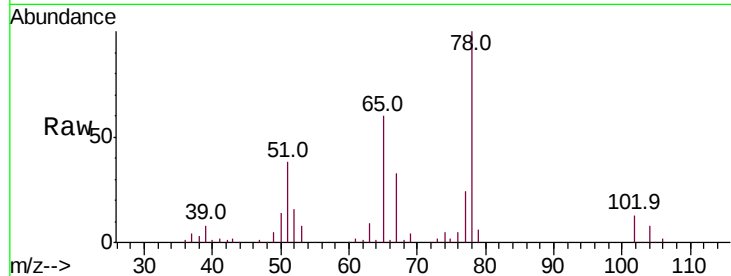
#27
 1,2-Dichloroethane-d4
 Concen: 29.192 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion: 65 Resp: 102451
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0

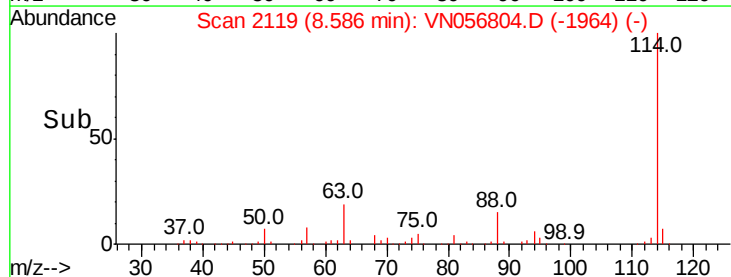
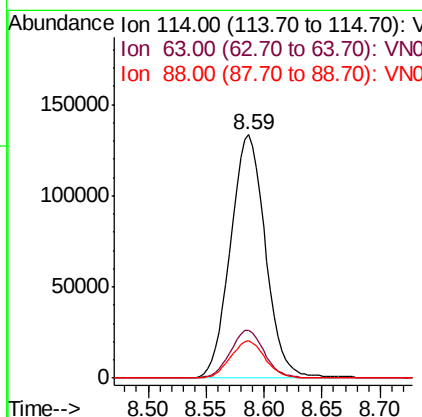
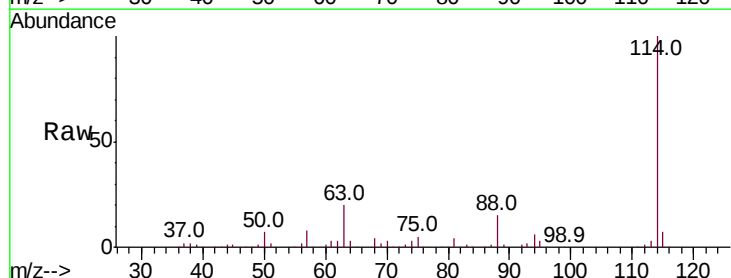
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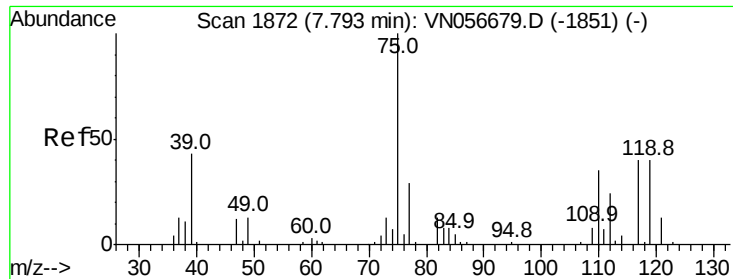
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 114 Resp: 278379
 Ion Ratio Lower Upper
 114 100
 63 19.2 16.2 24.2
 88 15.1 12.3 18.5





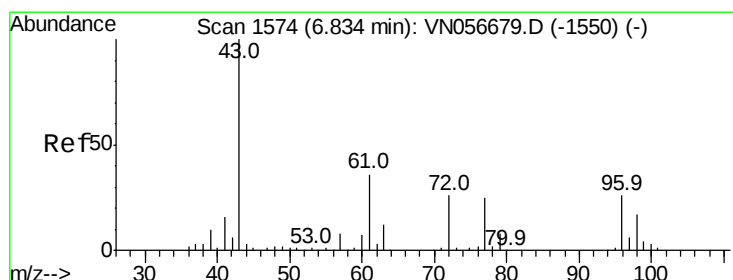
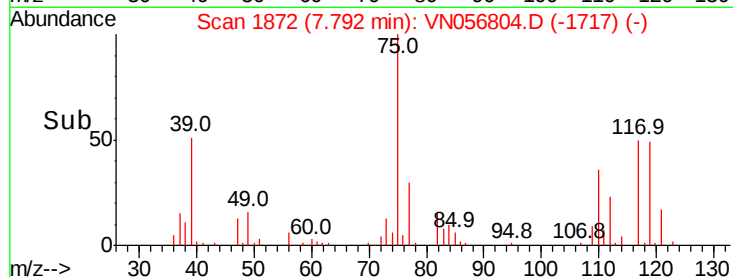
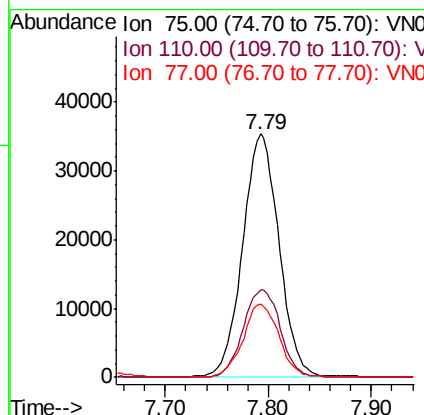
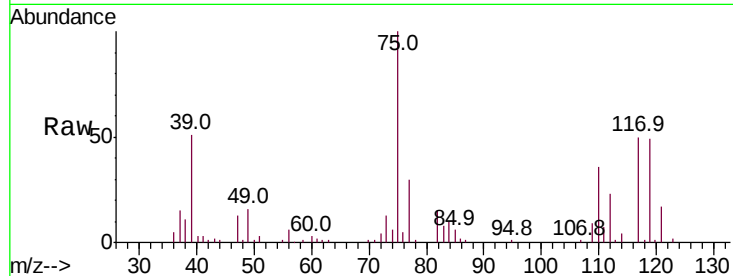
#29
 1,1-Dichloropropene
 Concen: 19.627 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.5	0.0	72.4
77	29.6	0.0	62.2

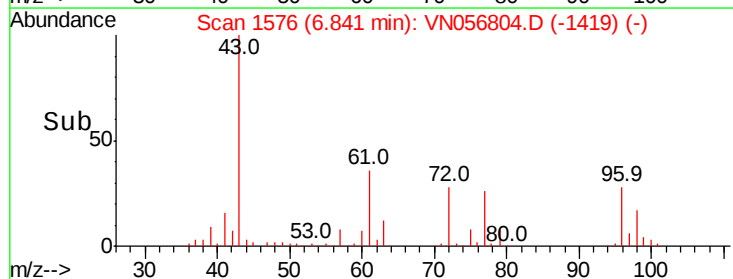
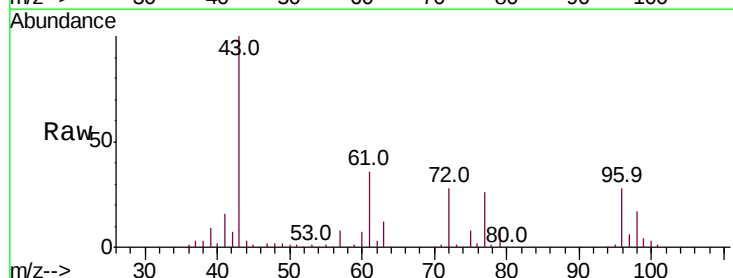
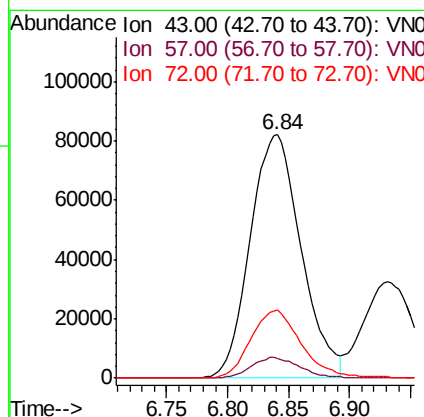
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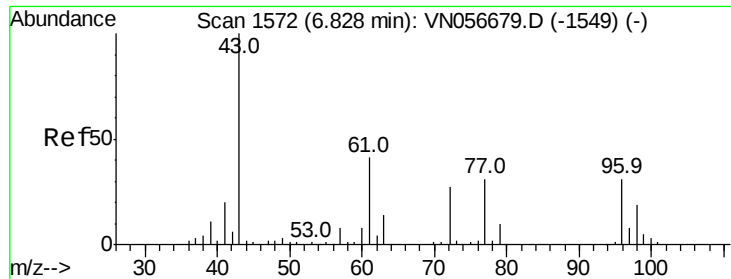
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#30
 2-Butanone
 Concen: 92.531 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	10.0
72	27.9	21.3	31.9





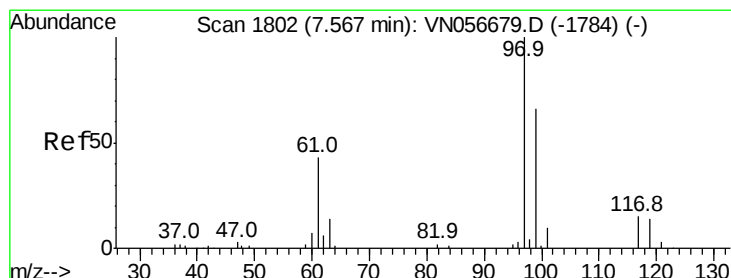
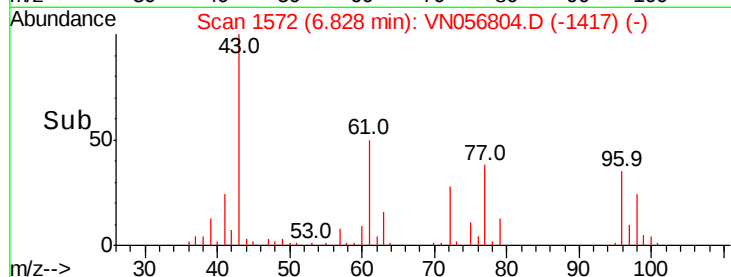
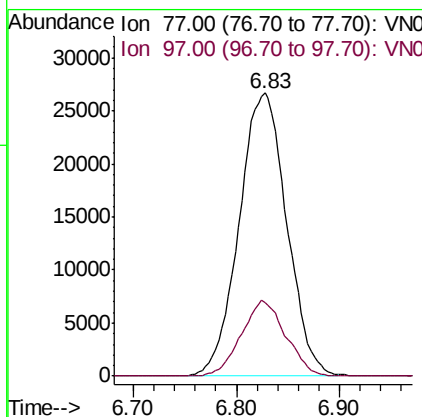
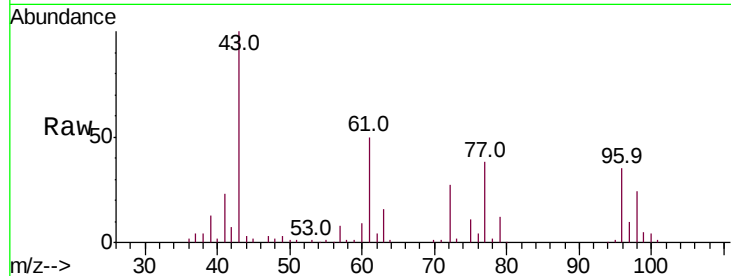
#31
 2,2-Dichloropropane
 Concen: 19.962 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion: 77 Resp: 85490
 Ion Ratio Lower Upper
 77 100
 97 24.9 19.7 29.5

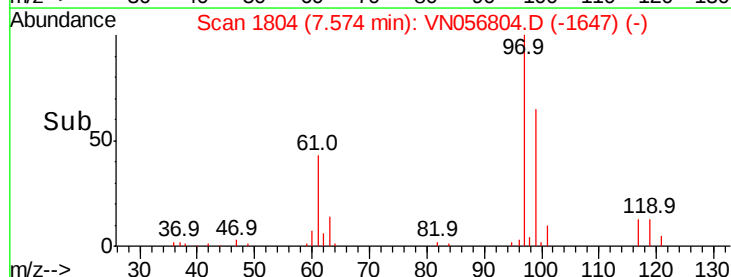
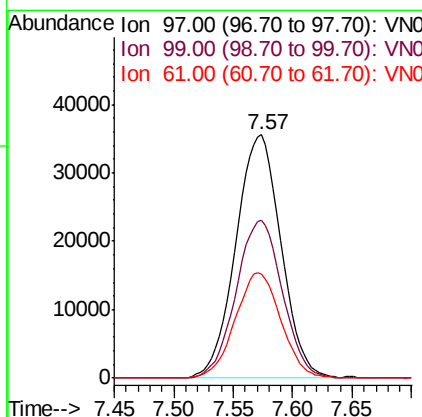
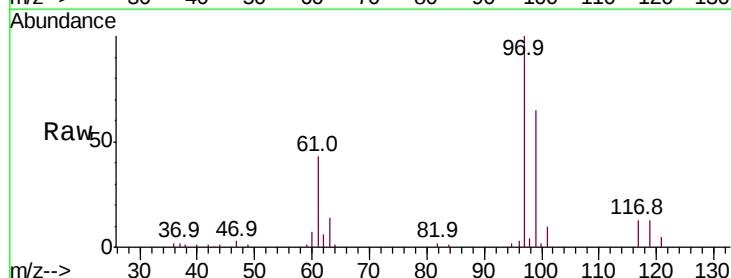
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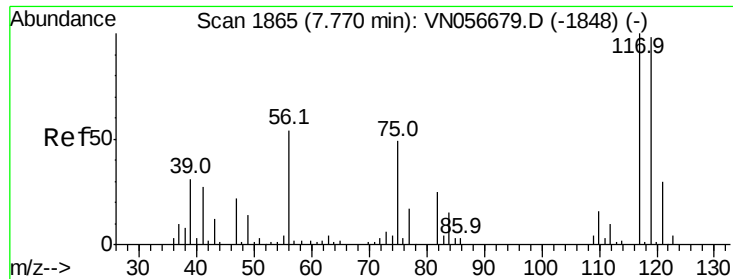
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#32
 1,1,1-Trichloroethane
 Concen: 19.854 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 97 Resp: 93647
 Ion Ratio Lower Upper
 97 100
 99 66.3 52.0 78.0
 61 43.8 34.4 51.6





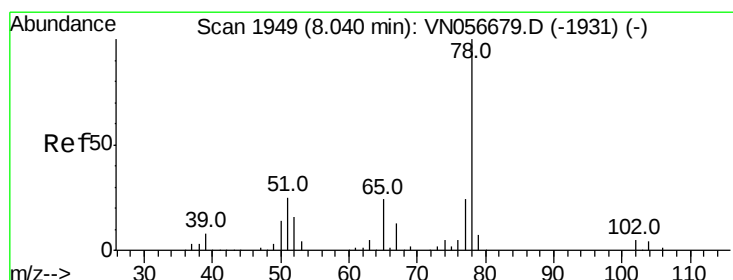
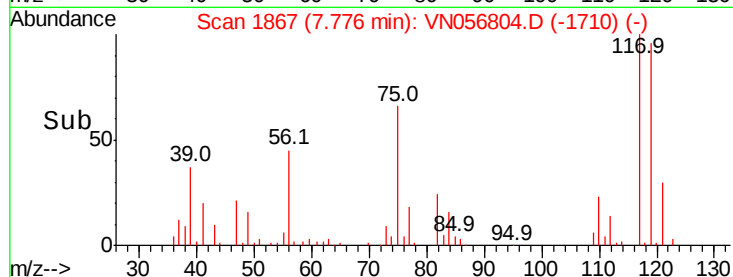
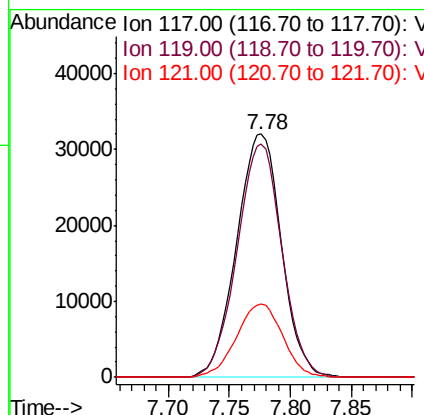
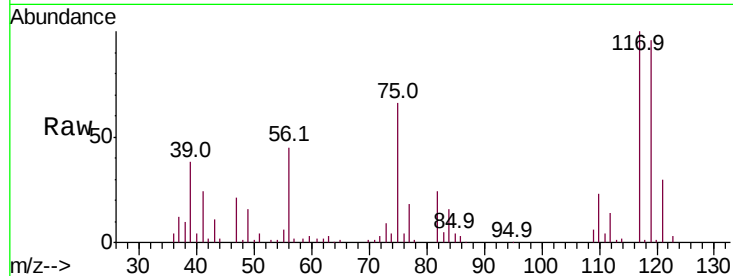
#33
Carbon Tetrachloride
Concen: 20.081 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion:117 Resp: 81509
Ion Ratio Lower Upper
117 100
119 96.0 78.7 118.1
121 30.2 24.0 36.0

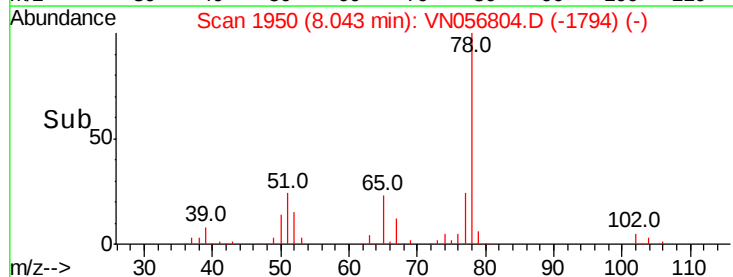
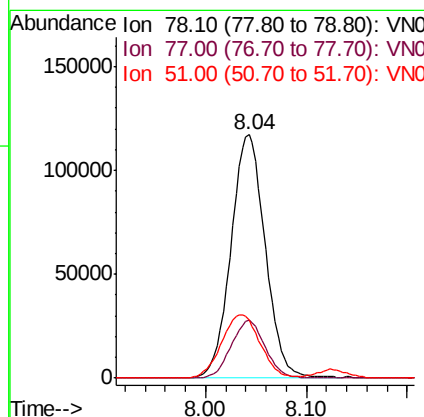
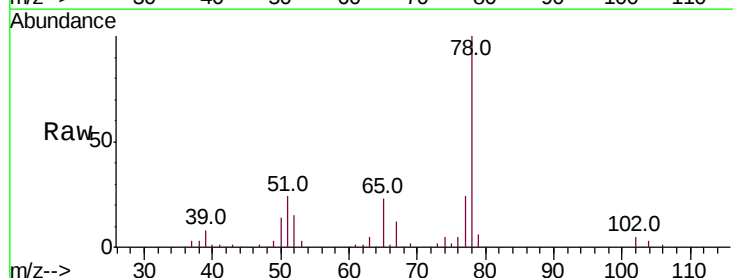
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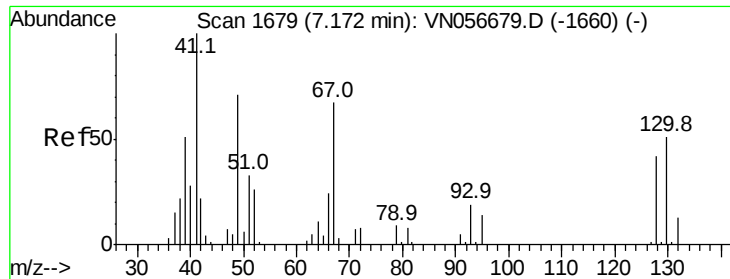
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#34
Benzene
Concen: 20.374 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 78 Resp: 277016
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4
51 23.3 19.7 29.5





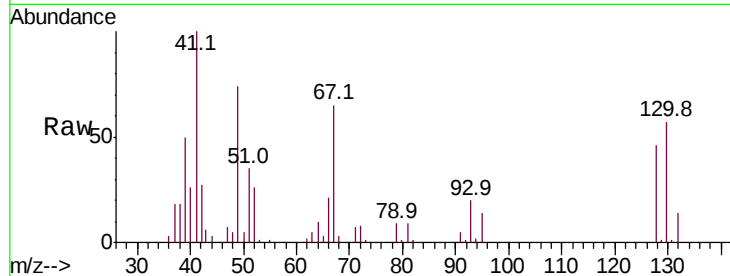
#35
Methacrylonitrile
Concen: 16.320 ug/l m
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

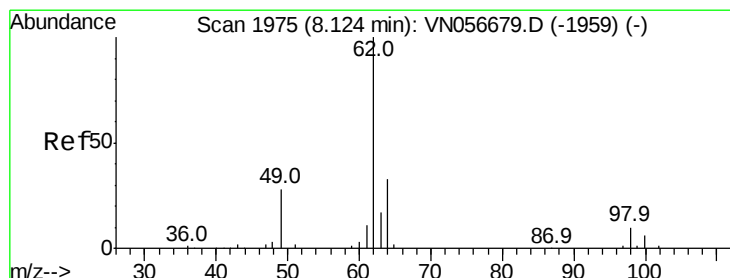
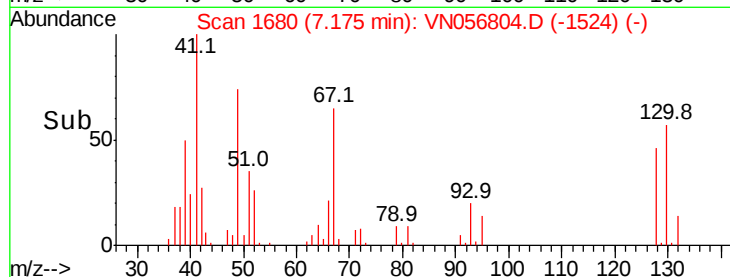
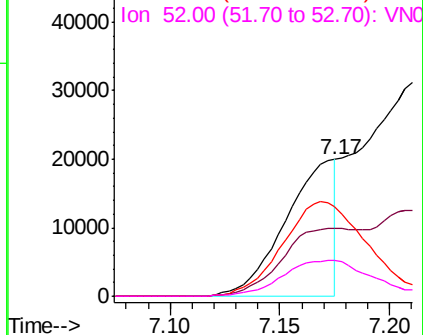
Tot Ion	Ratio	Lower	Upper
41	100		
39	50.0	25.4	76.2
67	65.0	33.6	100.8
52	26.0	12.9	38.7

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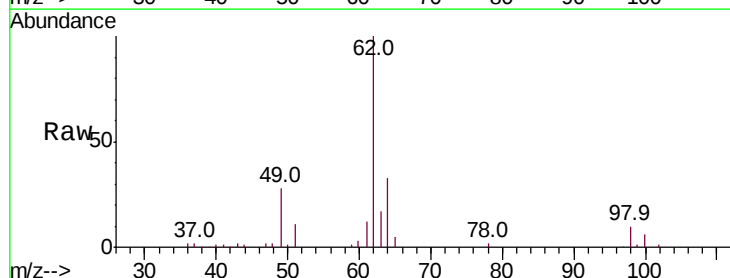


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

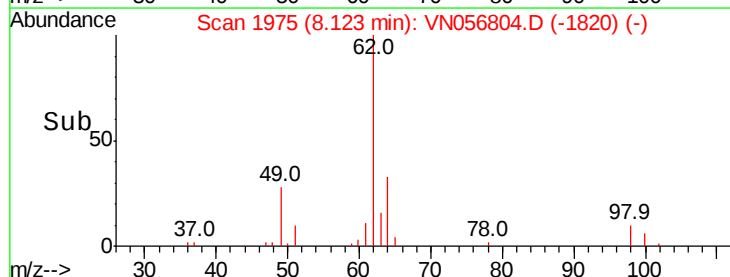
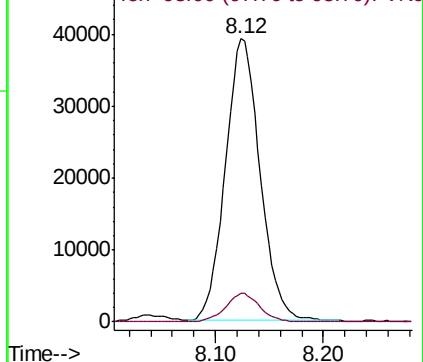


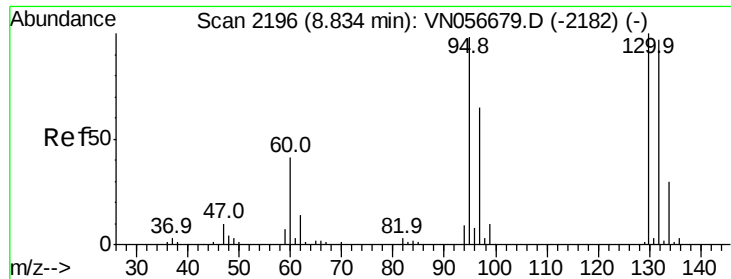
#36
1,2-Dichloroethane
Concen: 20.065 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.7	11.5



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





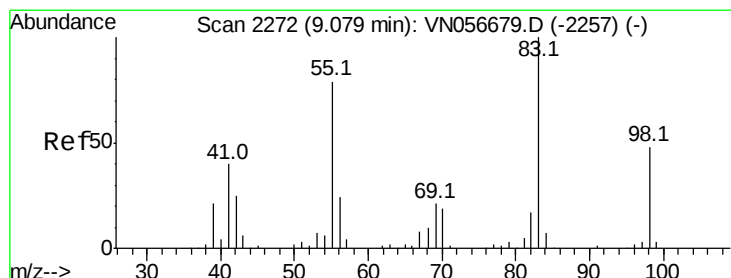
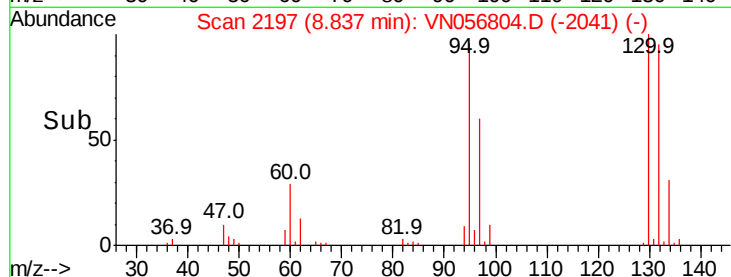
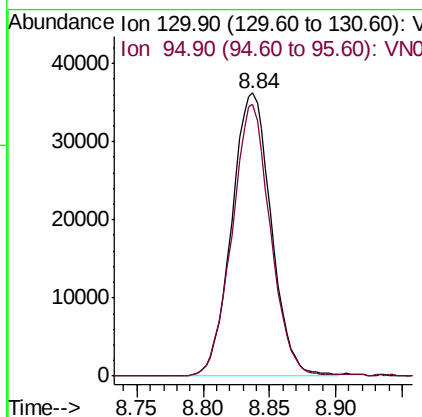
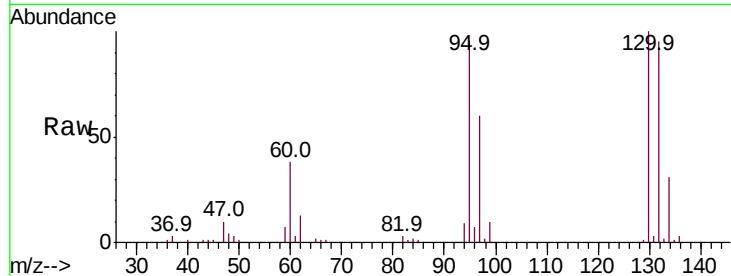
#37
 Trichloroethene
 Concen: 20.325 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion:130 Resp: 75050
 Ion Ratio Lower Upper
 130 100
 95 96.3 78.4 117.6

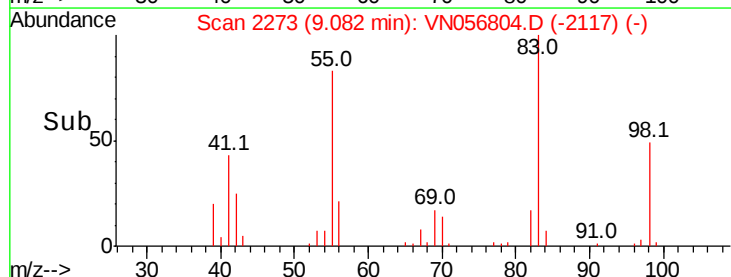
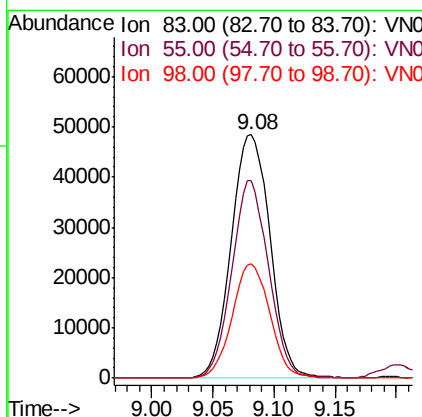
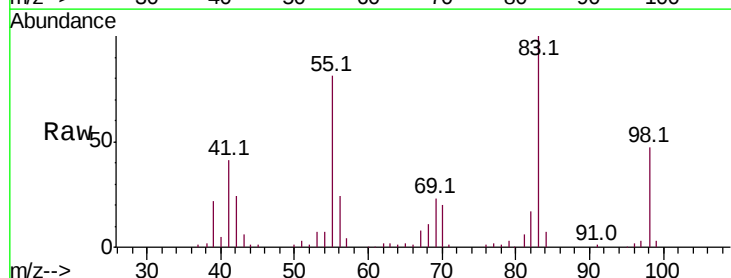
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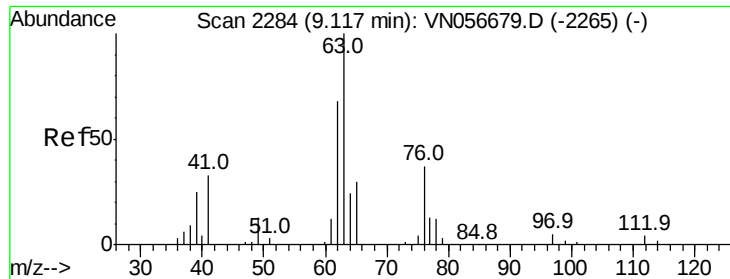
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#38
 Methylcyclohexane
 Concen: 19.186 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 83 Resp: 107253
 Ion Ratio Lower Upper
 83 100
 55 76.4 38.4 115.2
 98 45.3 23.3 69.9





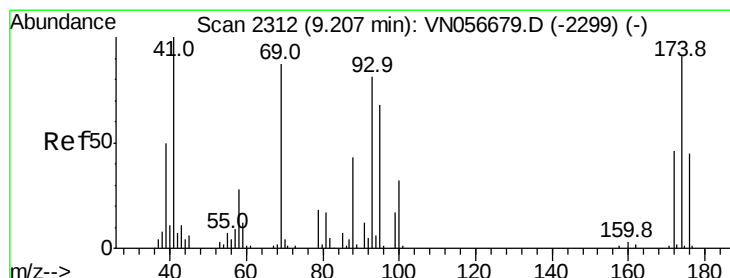
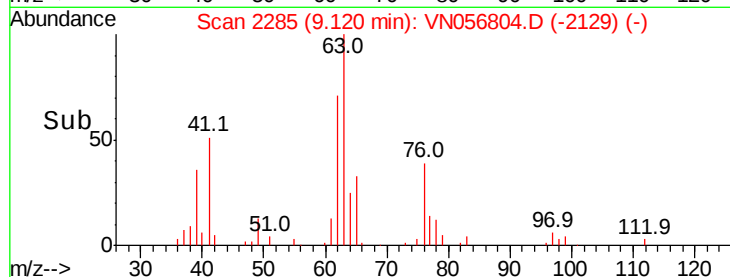
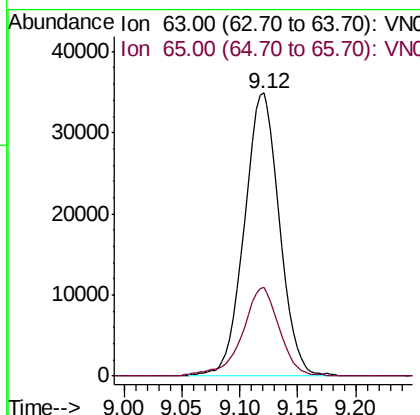
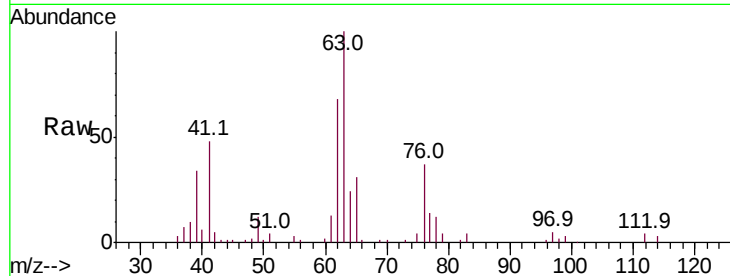
#39
 1,2-Dichloropropane
 Concen: 20.215 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion: 63 Resp: 73772
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 36.8

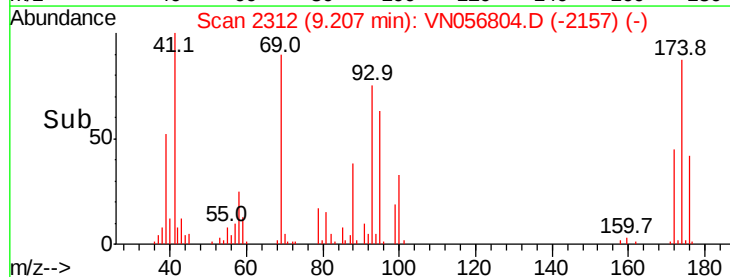
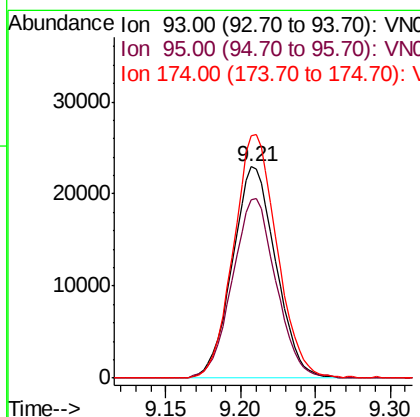
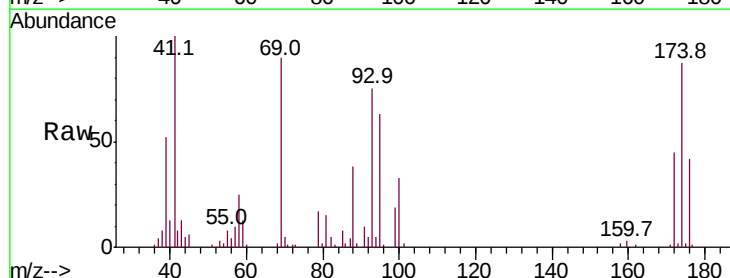
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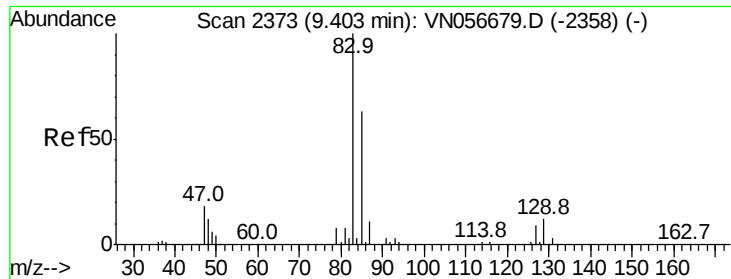
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#40
 Dibromomethane
 Concen: 19.945 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion: 93 Resp: 46362
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 167.0
 174 115.0 0.0 224.2





#41

Bromodichloromethane

Concen: 20.069 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

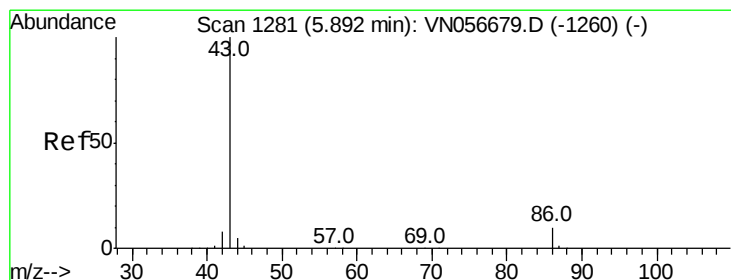
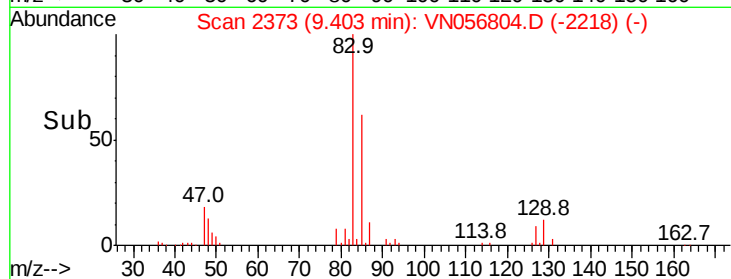
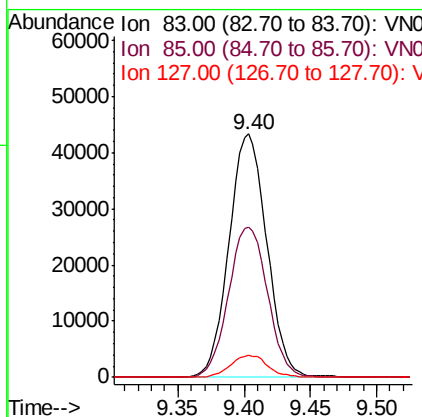
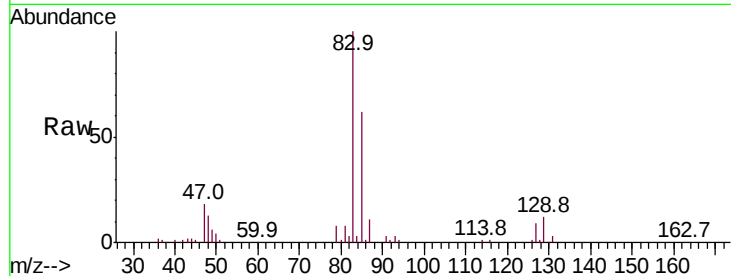
ClientSampleId :

VN0718WBS01

Tot Ion:	83	Resp:	85976
Ion Ratio	Lower	Upper	
83	100		
85	61.9	50.1	75.1
127	9.0	7.0	10.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 100.218 ug/l

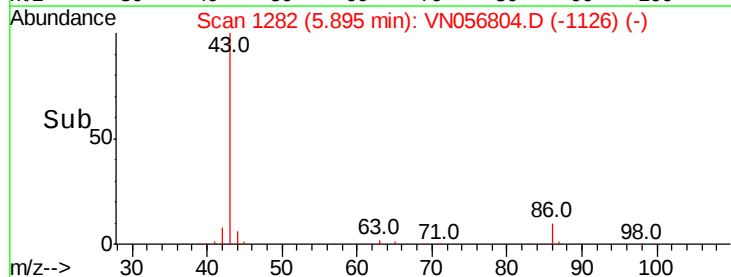
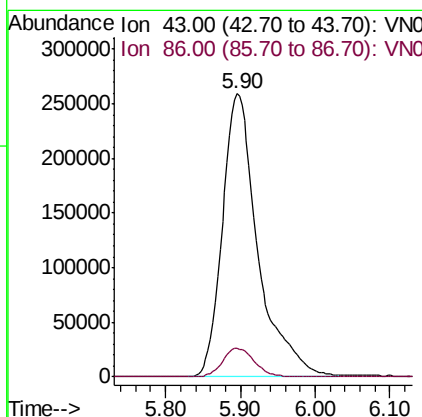
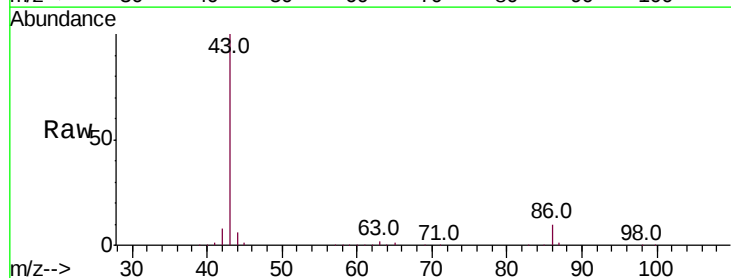
RT: 5.90 min Scan# 1282

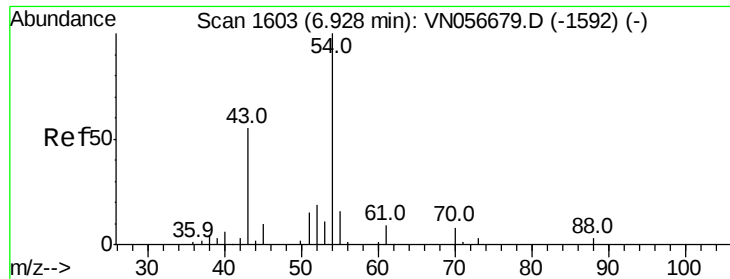
Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	43	Resp:	854536
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.4	11.2





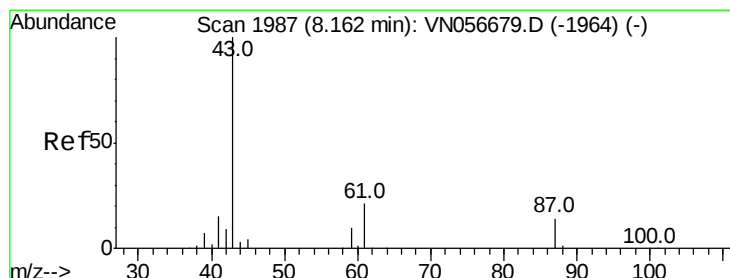
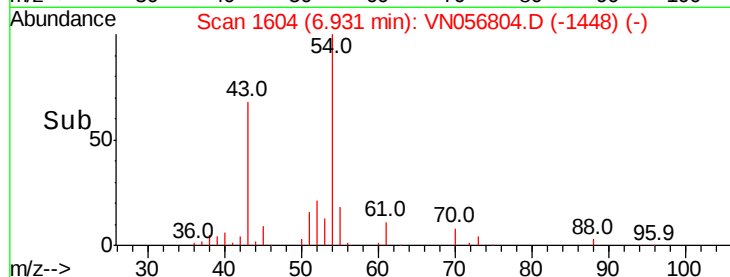
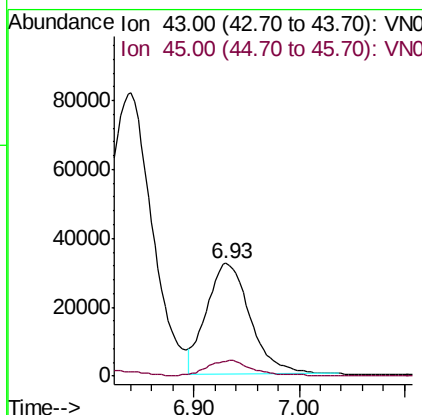
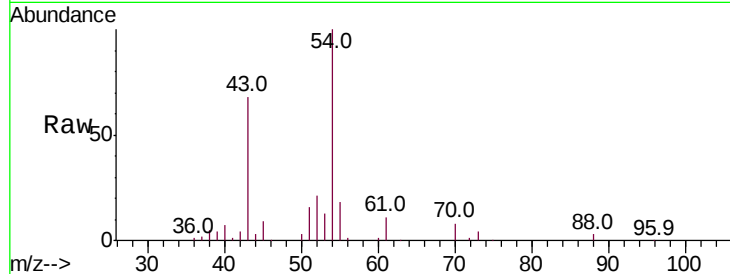
#43
Ethyl Acetate
Concen: 20.158 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion: 43 Resp: 93328
Ion Ratio Lower Upper
43 100
45 13.8 11.2 16.8

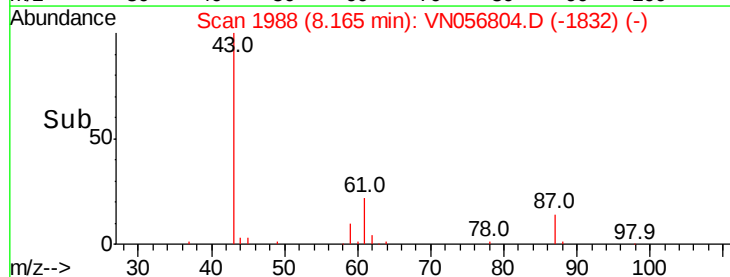
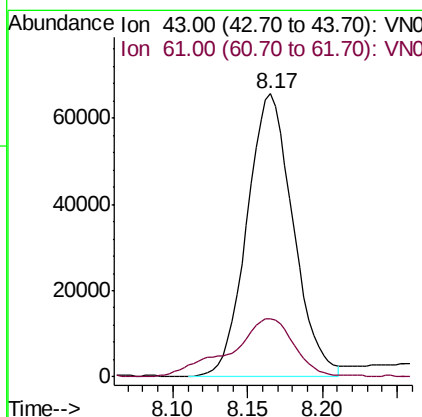
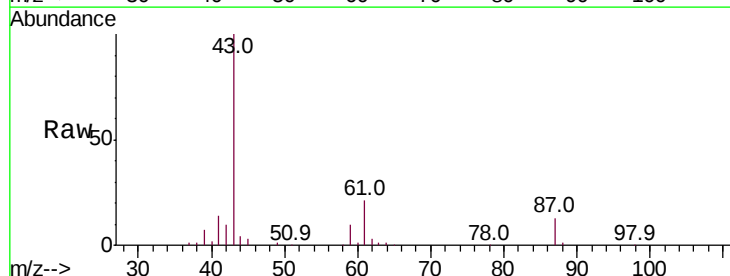
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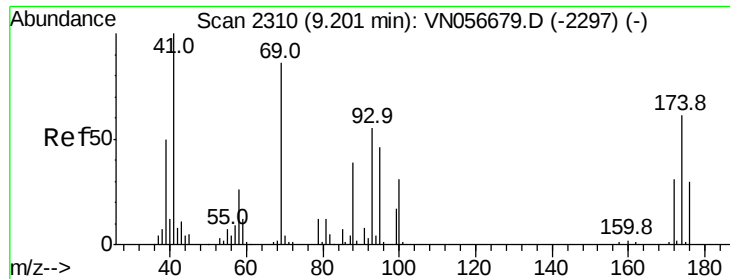
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.372 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion: 43 Resp: 139886
Ion Ratio Lower Upper
43 100
61 28.9 22.6 33.8





#45

1,4-Dioxane

Concen: 387.335 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

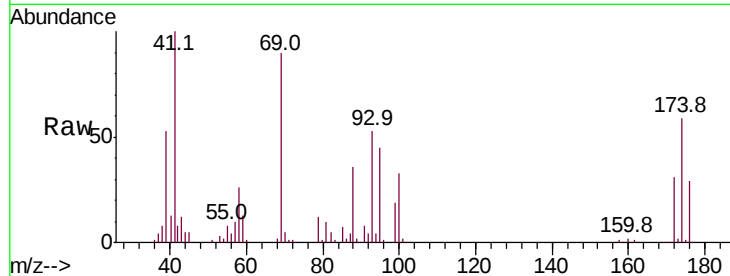
ClientSampleId :

VN0718WBS01

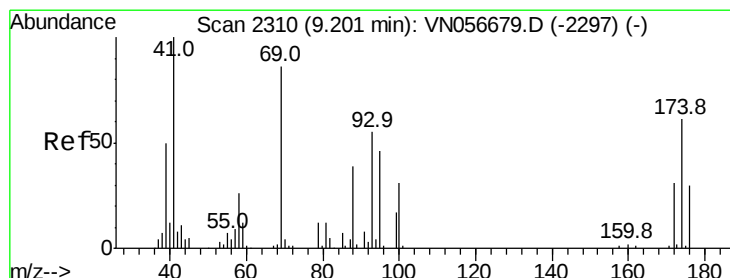
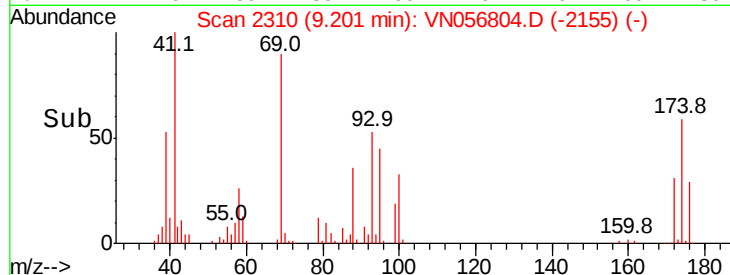
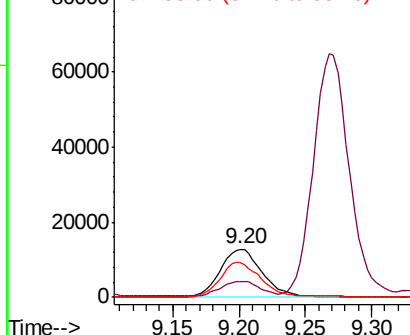
Tot Ion:	88	Resp:	28296
Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.0	34.6
58	71.1	54.6	81.8

Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 19.485 ug/l

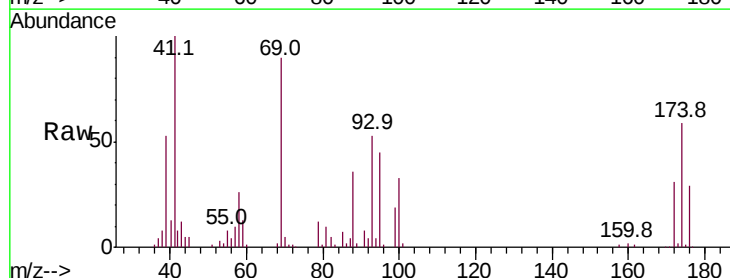
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

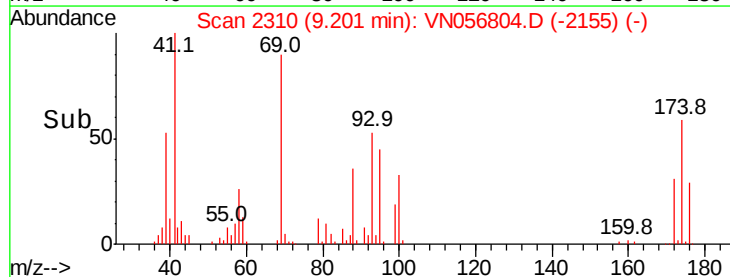
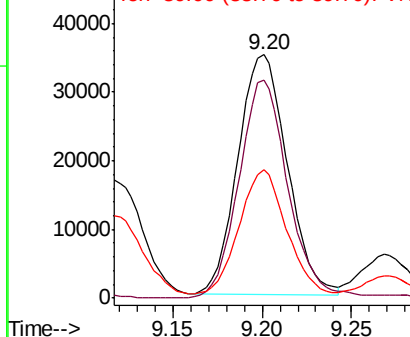
Lab File: VN056804.D

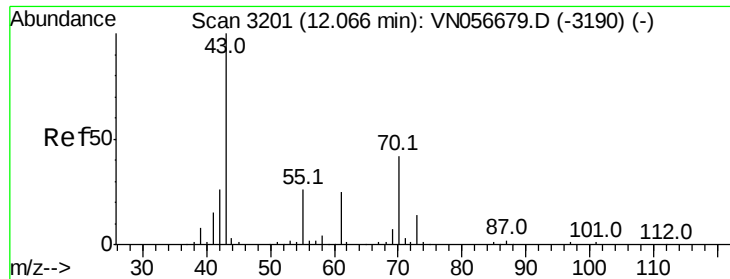
Acq: 18 Jul 2019 10:55

Tgt Ion:	41	Resp:	67594
Ion	Ratio	Lower	Upper
41	100		
69	91.4	43.0	129.0
39	51.8	25.1	75.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.081 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion: 43 Resp: 106781

Ion Ratio Lower Upper

43 100

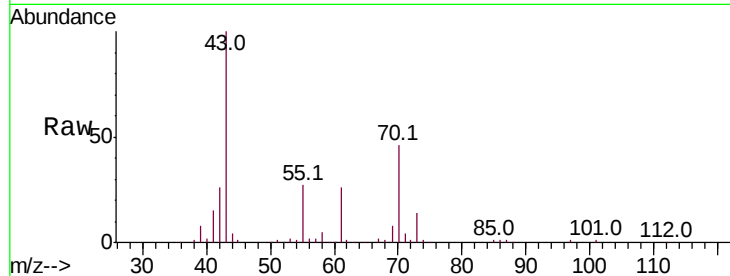
55 26.4 20.7 31.1

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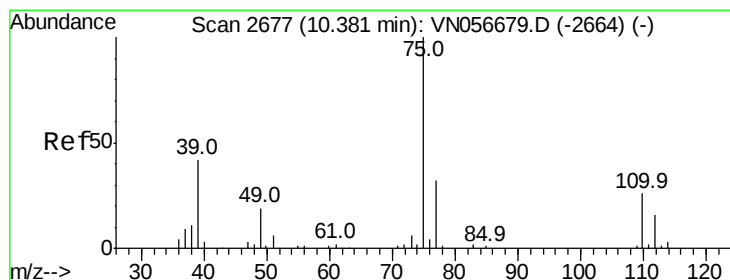
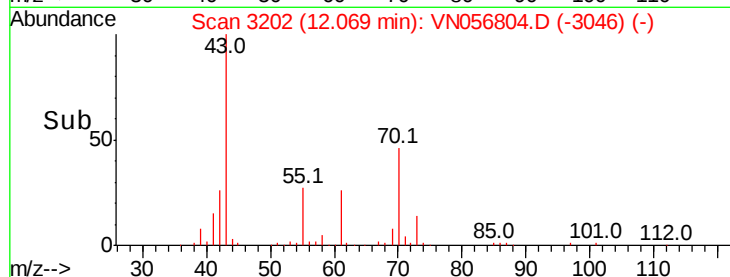
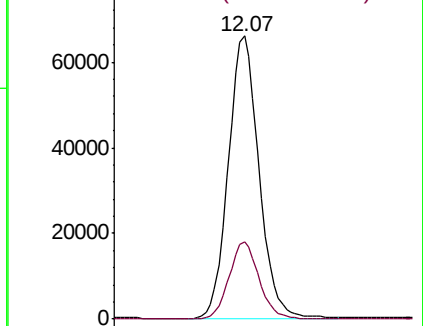
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.823 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056804.D

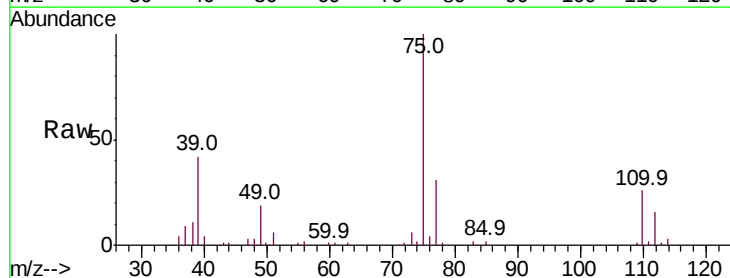
Acq: 18 Jul 2019 10:55

Tgt Ion: 75 Resp: 88699

Ion Ratio Lower Upper

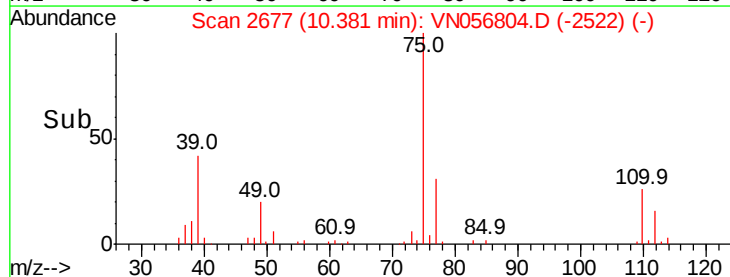
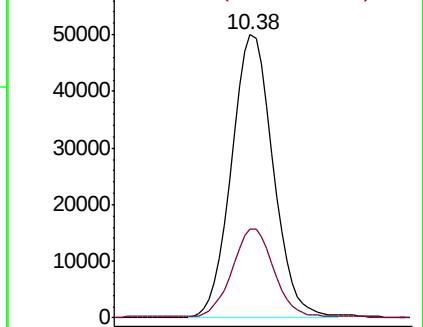
75 100

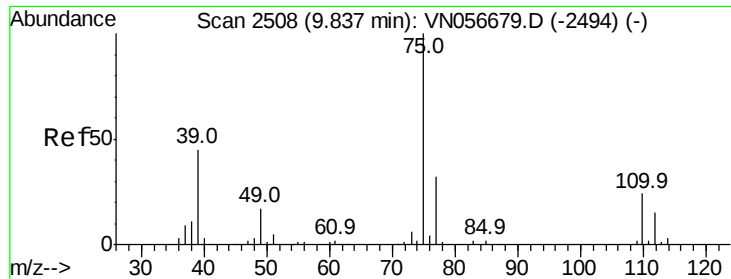
77 30.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





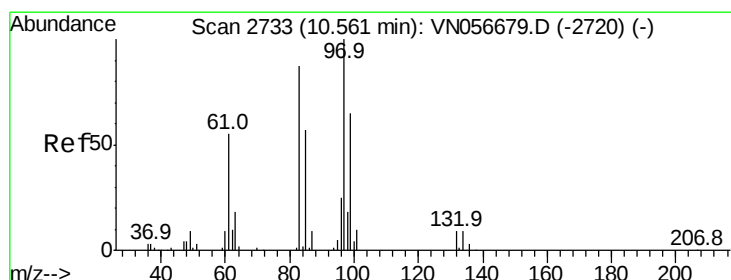
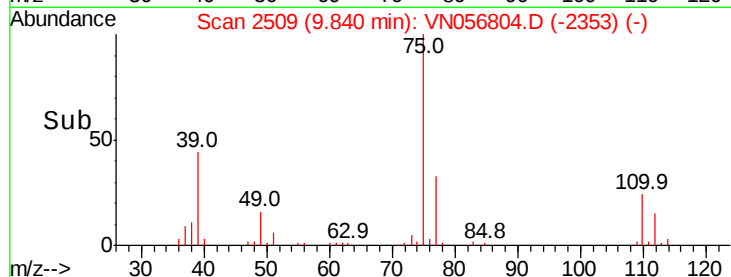
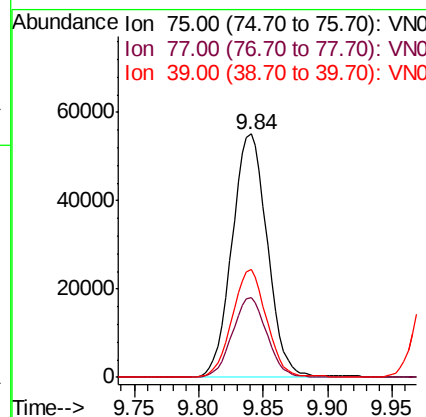
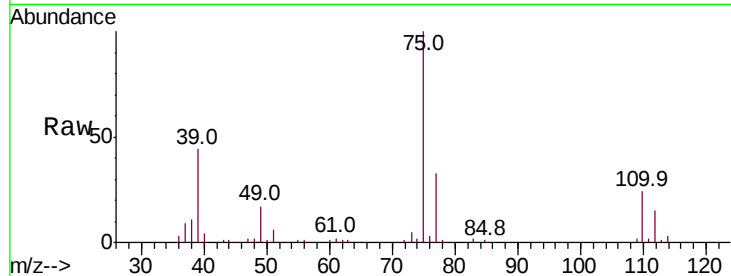
#49
 cis-1,3-Dichloropropene
 Concen: 19.766 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.7	26.0	39.0	
39	43.9	36.2	54.4	

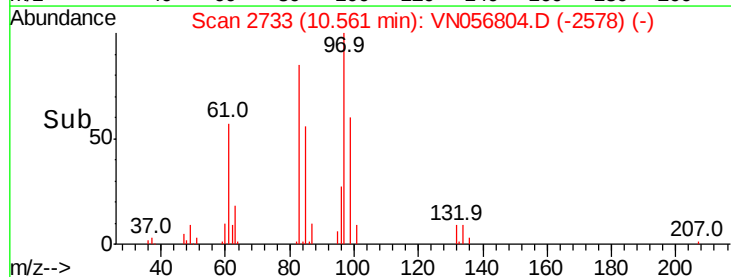
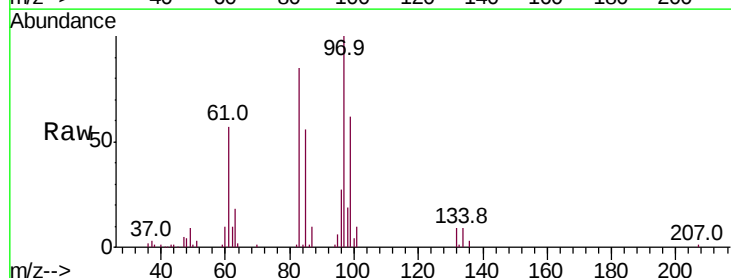
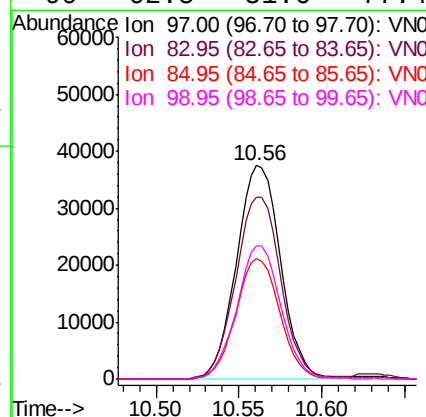
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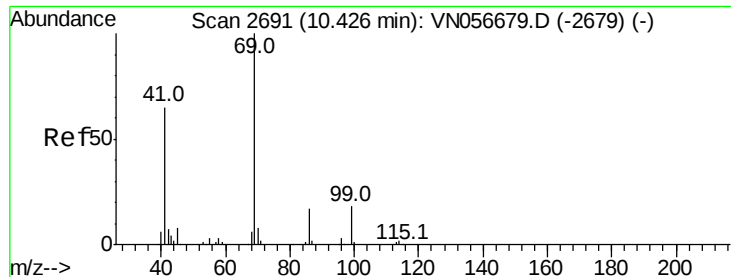
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#50
 1,1,2-Trichloroethane
 Concen: 20.443 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	84.8	69.2	103.8	
85	56.4	45.3	67.9	
99	62.5	51.6	77.4	





#51

Ethyl methacrylate

Concen: 19.481 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

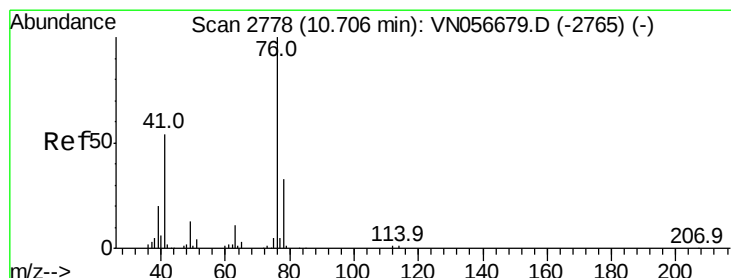
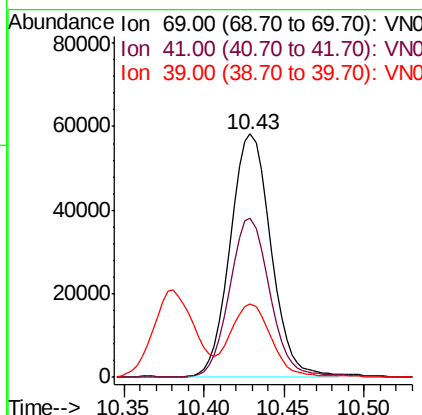
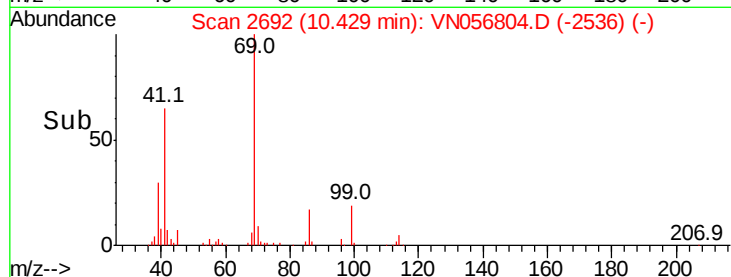
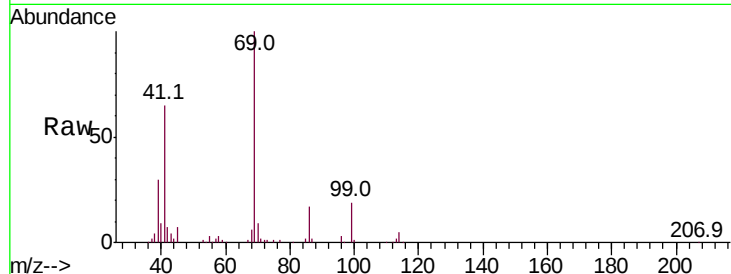
ClientSampleId :

VN0718WBS01

Tot Ion:	69	Resp:	101477
Ion Ratio	Lower	Upper	
69	100		
41	64.9	32.8	98.3
39	29.5	15.4	46.2

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#52

1,3-Dichloropropane

Concen: 20.254 ug/l

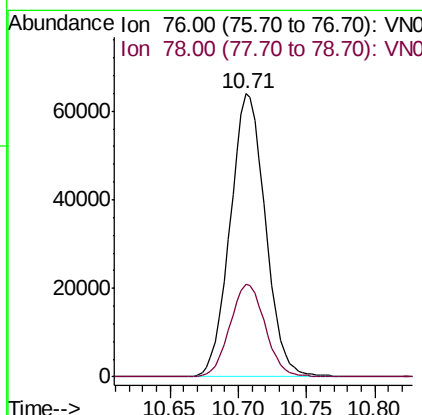
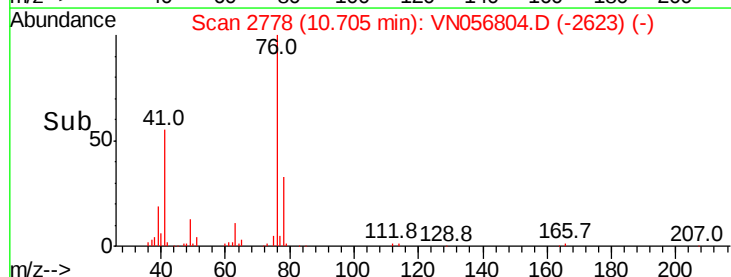
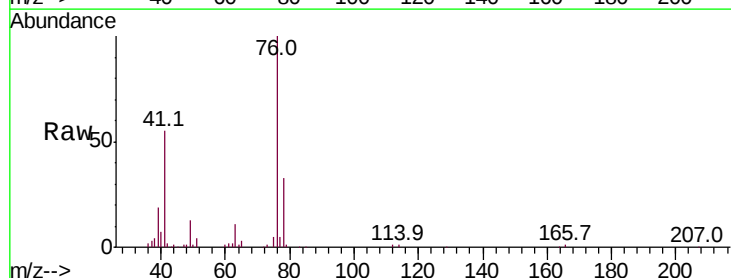
RT: 10.71 min Scan# 2778

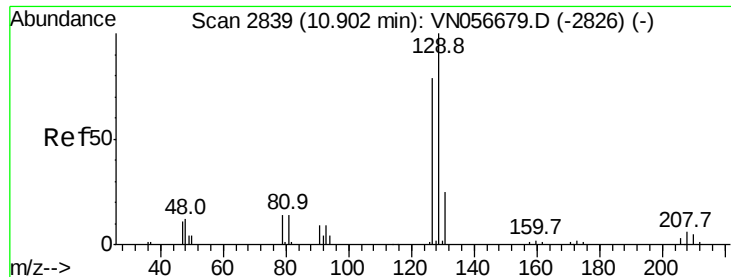
Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	76	Resp:	114772
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	63.6





#53

Dibromochloromethane

Concen: 19.901 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion:129 Resp: 68115

Ion Ratio Lower Upper

129 100

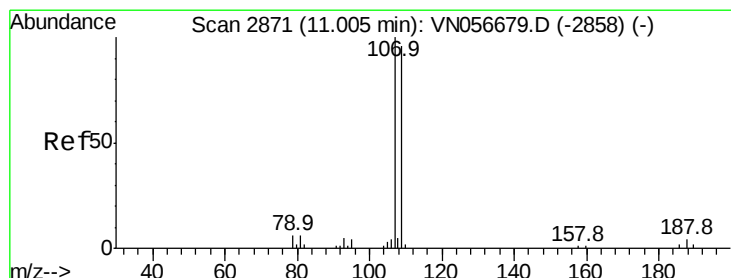
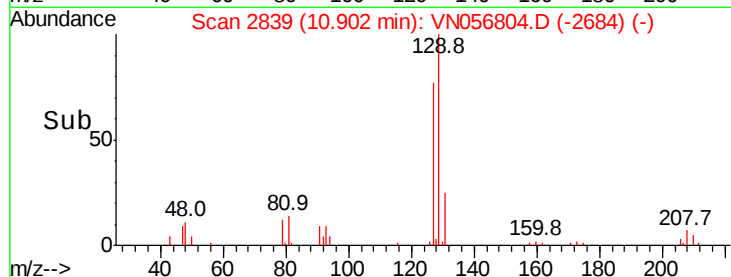
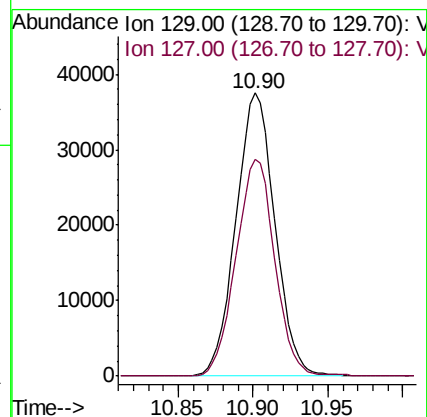
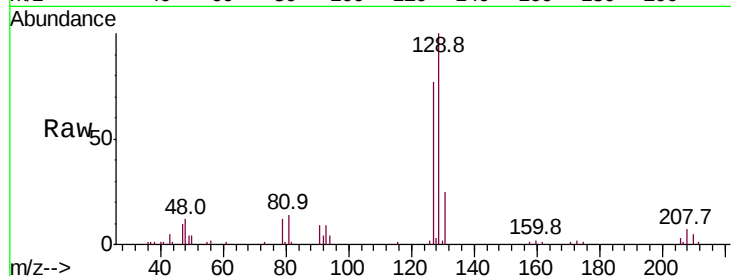
127 76.0 38.7 116.1

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#54

1,2-Dibromoethane

Concen: 19.781 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056804.D

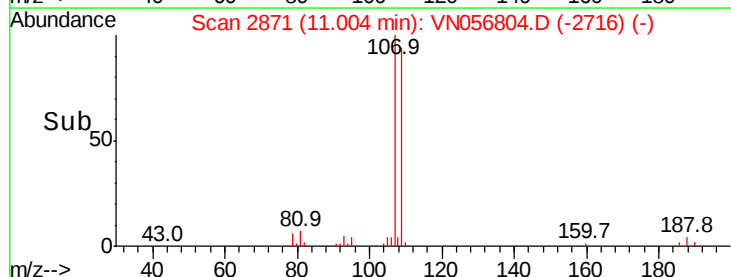
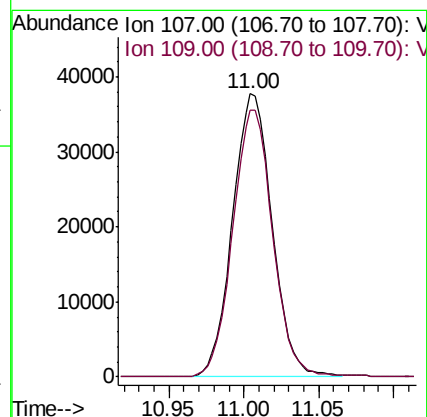
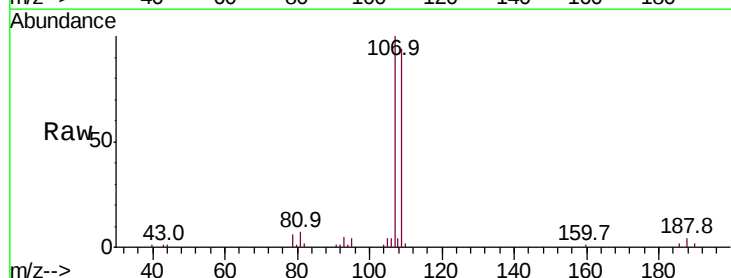
Acq: 18 Jul 2019 10:55

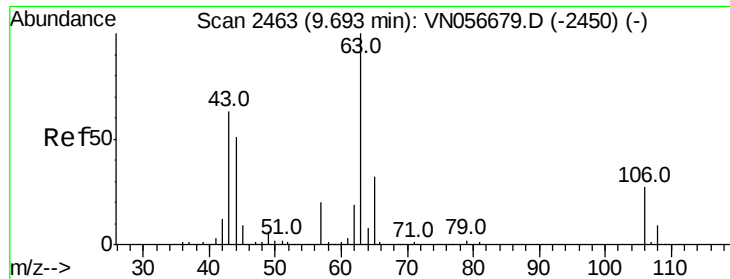
Tgt Ion:107 Resp: 69621

Ion Ratio Lower Upper

107 100

109 95.1 77.9 116.9





#55

2-Chloroethyl vinyl ether

Concen: 93.281 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion: 63 Resp: 234972

Ion Ratio Lower Upper

63 100

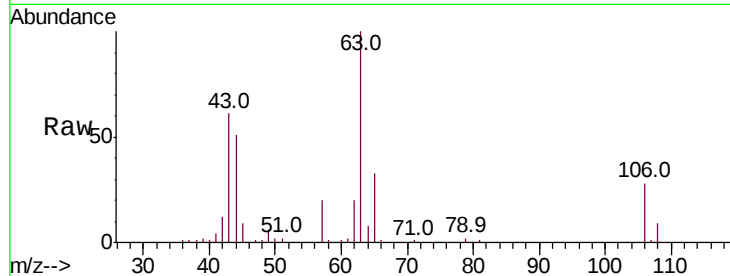
65 32.4 25.2 37.8

106 27.1 21.6 32.4

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Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)

9.70

150000

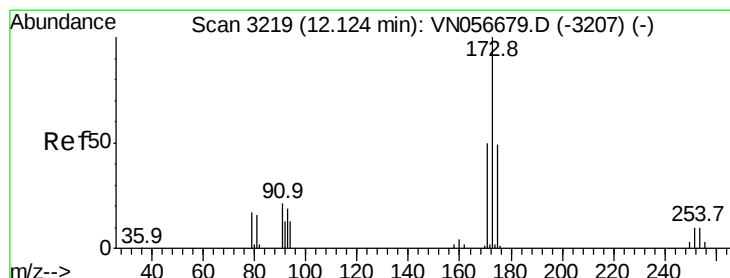
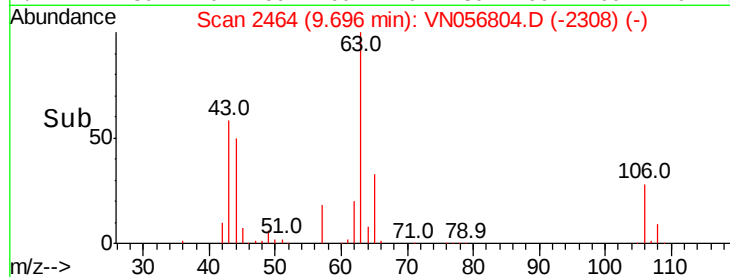
100000

50000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#56

Bromoform

Concen: 19.471 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

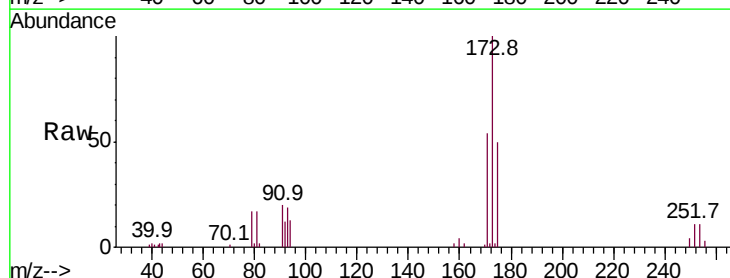
Tgt Ion: 173 Resp: 49334

Ion Ratio Lower Upper

173 100

175 49.4 39.7 59.5

254 10.0 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)

12.13

30000

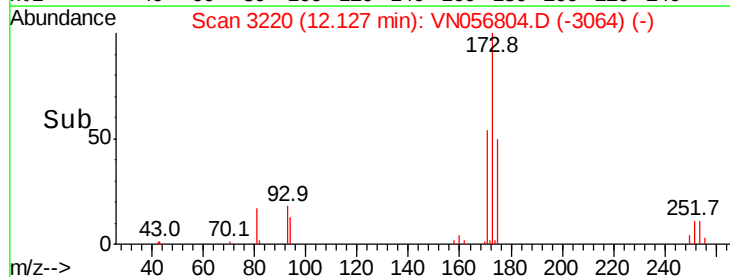
20000

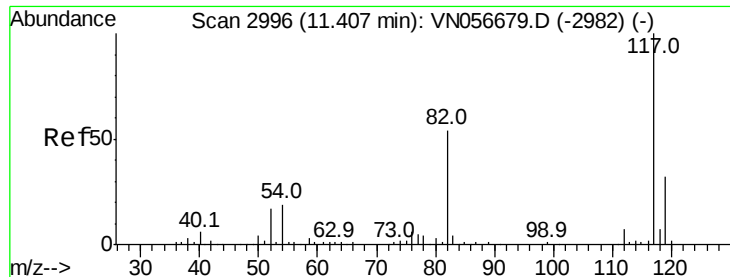
10000

0

12.05 12.10 12.15

Time-->





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

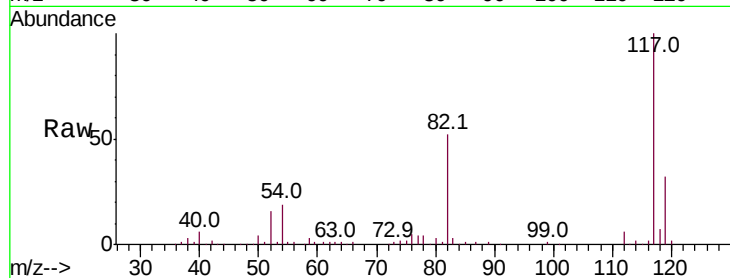
ClientSampled :

VN0718WBS01

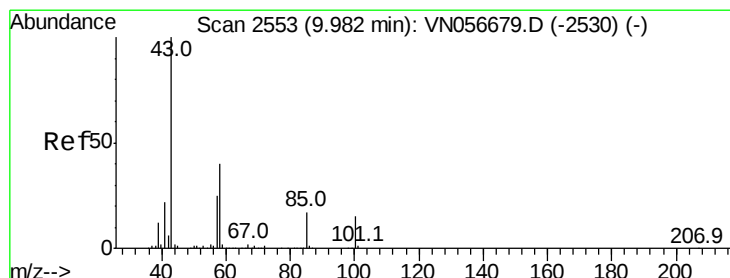
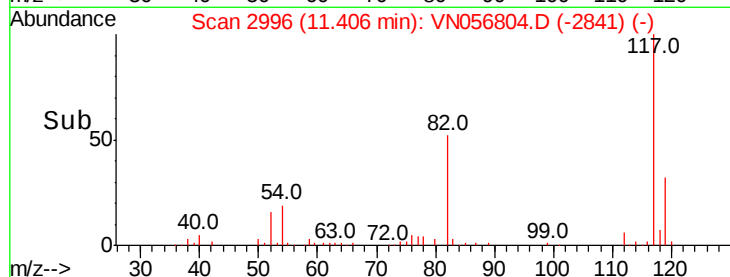
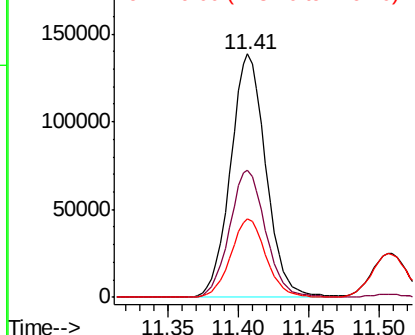
Tot Ion:	117	Resp:	243331
Ion Ratio	Lower	Upper	
117	100		
82	53.0	43.0	64.4
119	32.2	26.0	39.0

Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 100.933 ug/l

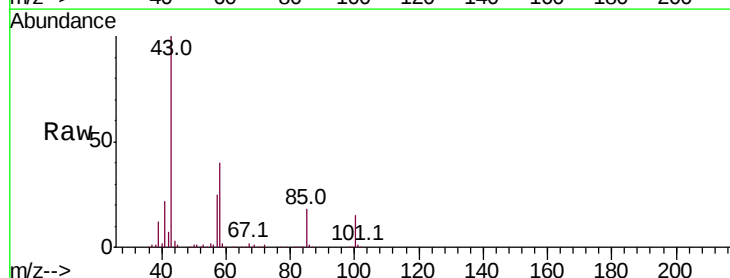
RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

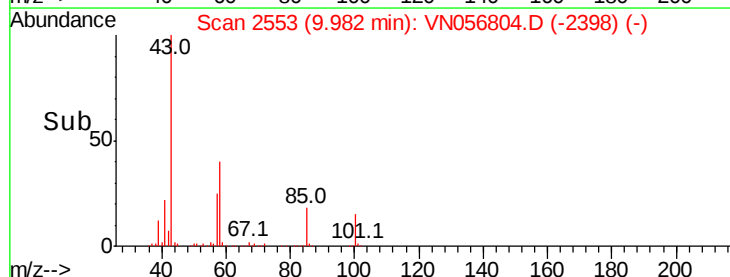
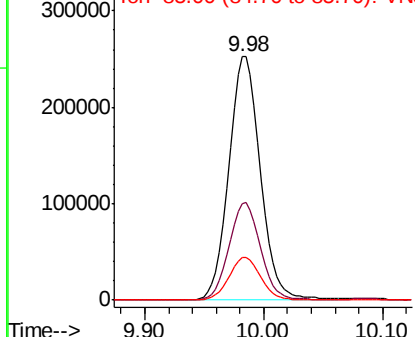
Lab File: VN056804.D

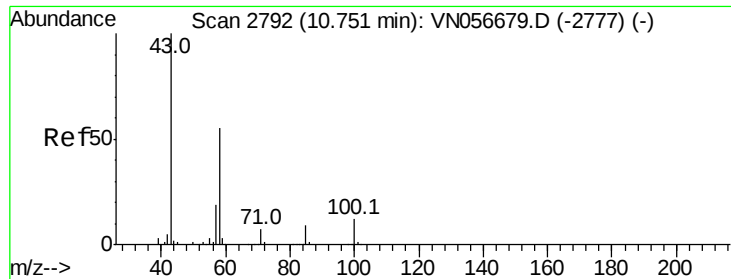
Acq: 18 Jul 2019 10:55

Tgt Ion:	43	Resp:	462259
Ion Ratio	Lower	Upper	
43	100		
58	40.2	31.9	47.9
85	17.9	14.2	21.4



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO





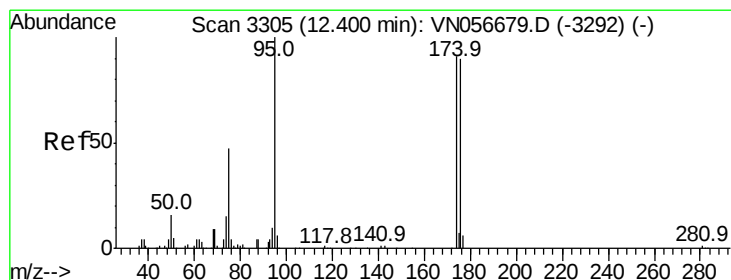
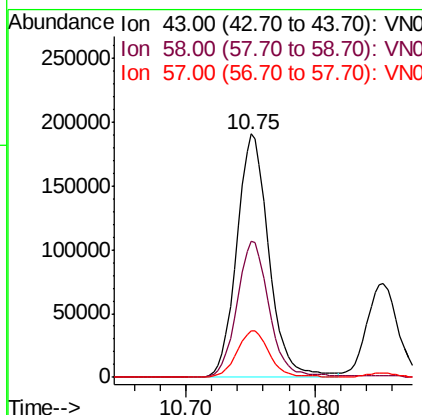
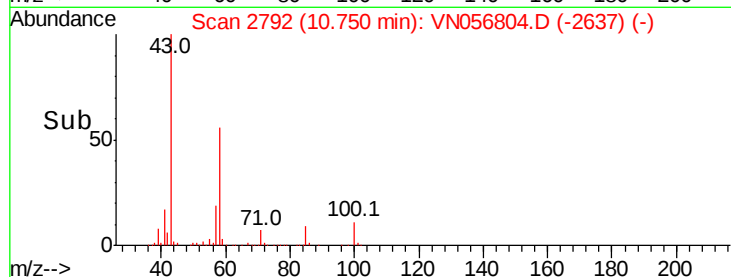
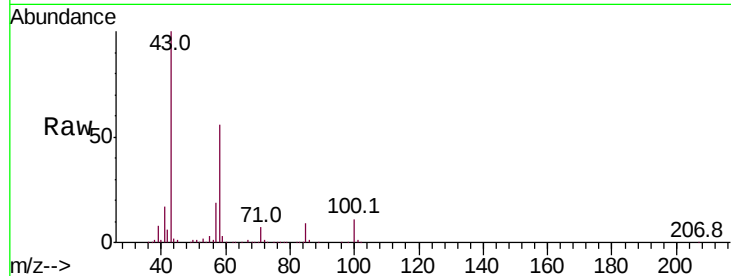
#59
2-Hexanone
Concen: 94.900 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.4	66.6
57	19.3	15.2	22.8

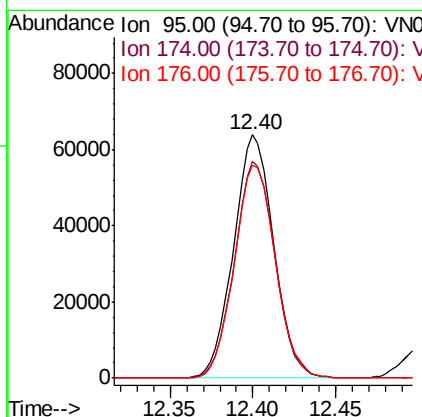
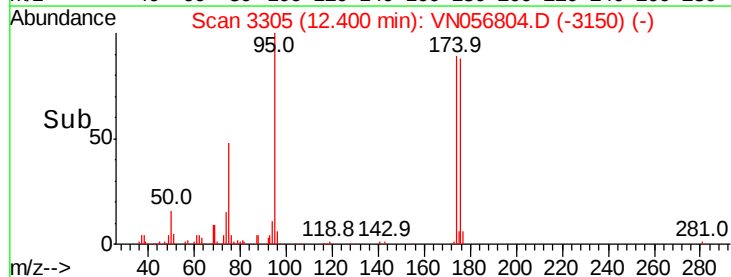
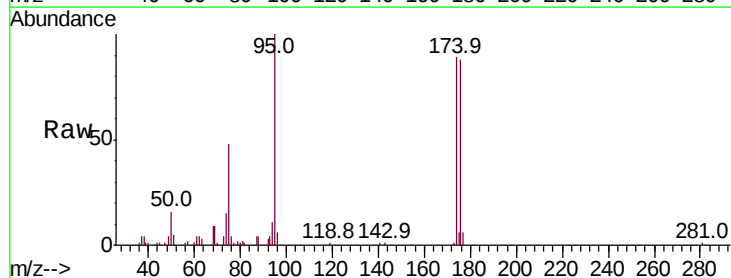
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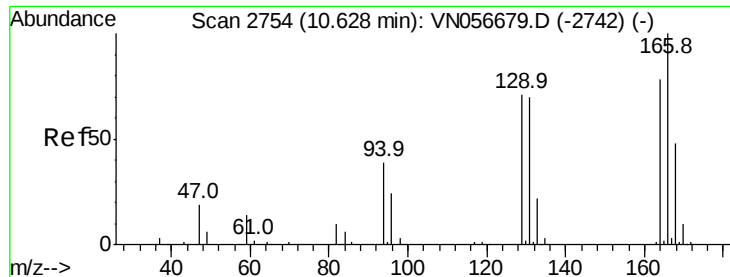
MMDadoda
7/19/2019 11:31:33 PM



#60
4-Bromofluorobenzene
Concen: 28.899 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	72.6	108.8
176	89.4	71.0	106.6





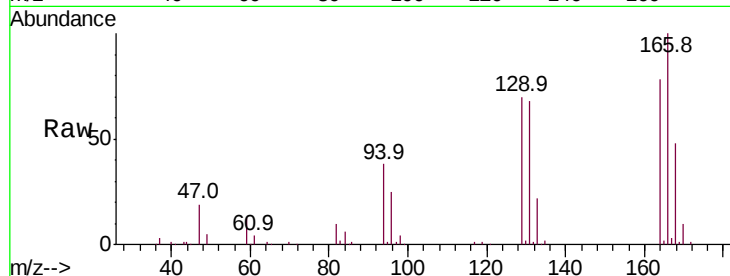
#61
Tetrachloroethene
Concen: 21.019 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.3	153.5
129	89.2	72.6	108.8
131	87.7	71.4	107.2

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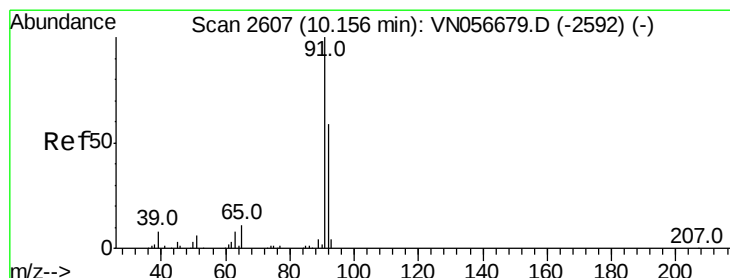
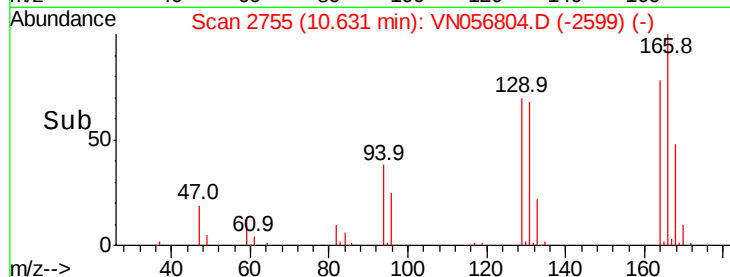
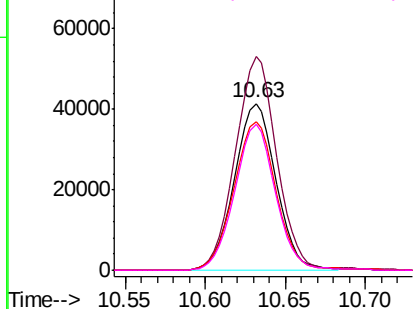
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

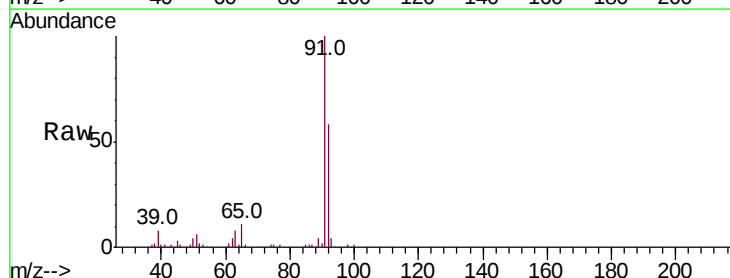
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.320 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

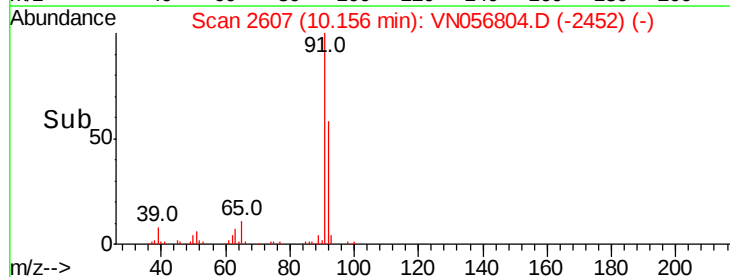
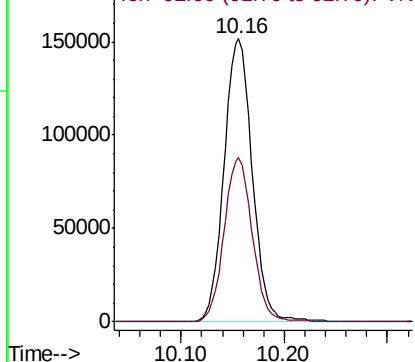
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.9	46.7	70.1

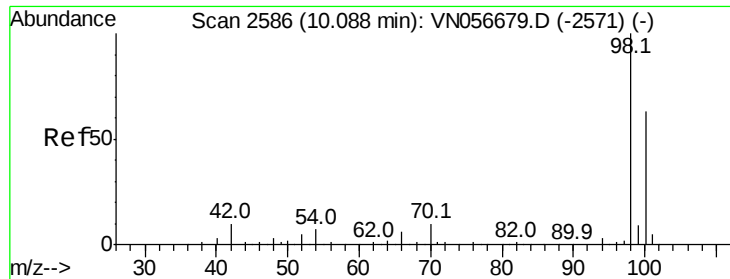


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.603 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion: 98 Resp: 340245

Ion Ratio Lower Upper

98 100

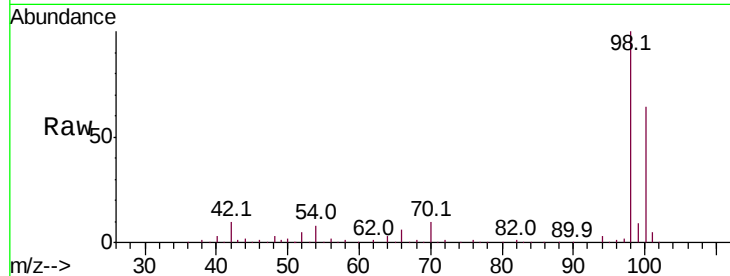
100 63.5 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

200000

150000

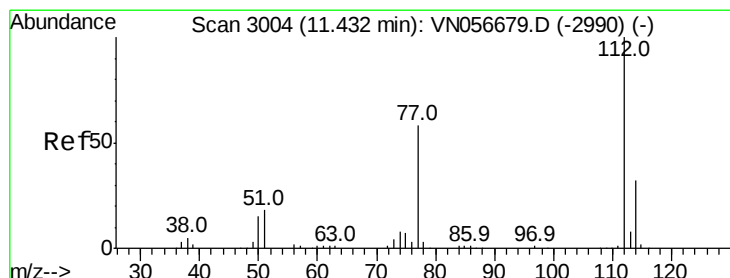
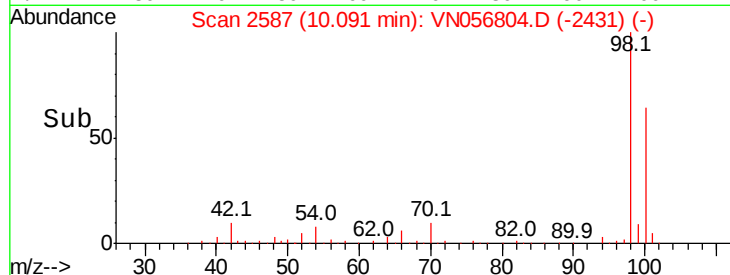
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.091 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056804.D

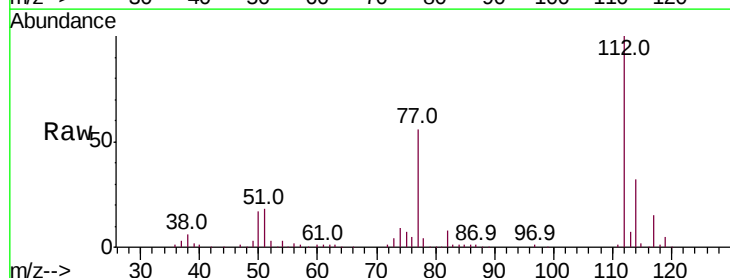
Acq: 18 Jul 2019 10:55

Tgt Ion: 112 Resp: 175131

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN056679.D (-2990) (-)

11.43

100000

80000

60000

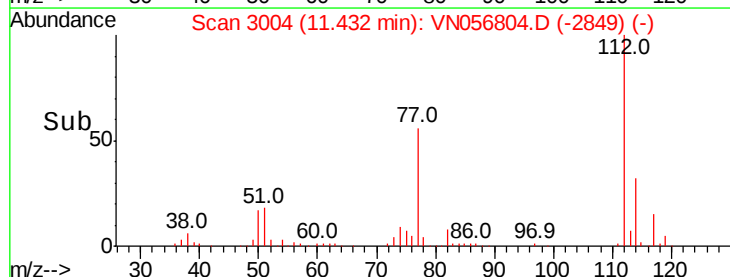
40000

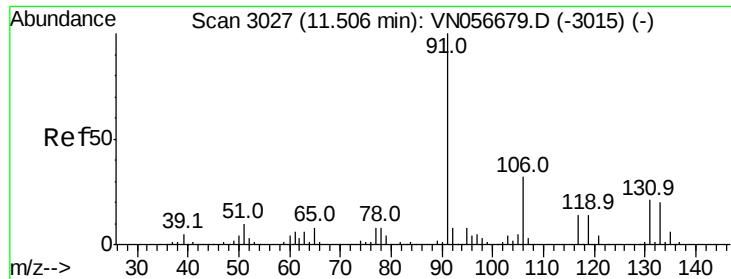
20000

0

11.40 11.50

Time-->





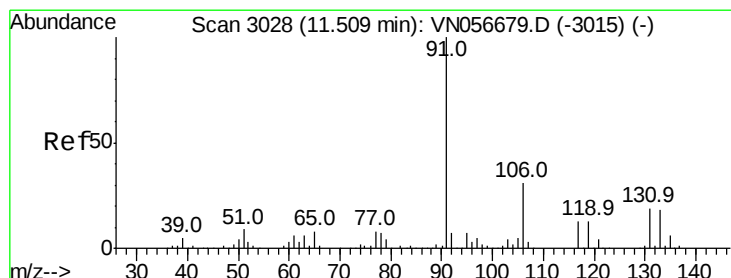
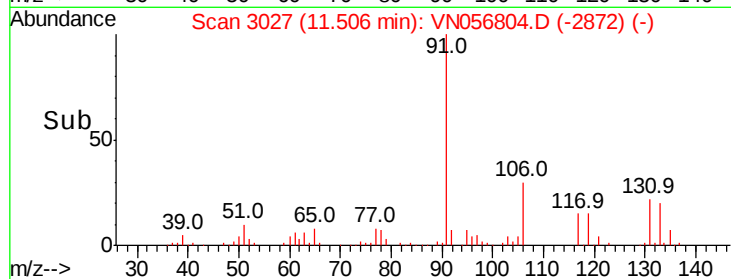
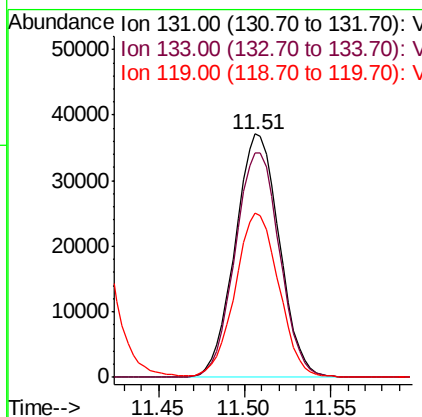
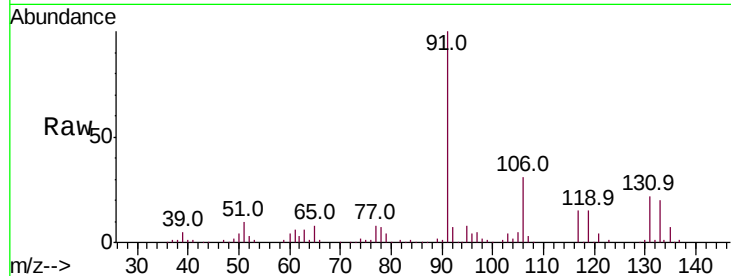
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.763 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.7	0.0	191.4
119	66.5	0.0	133.4

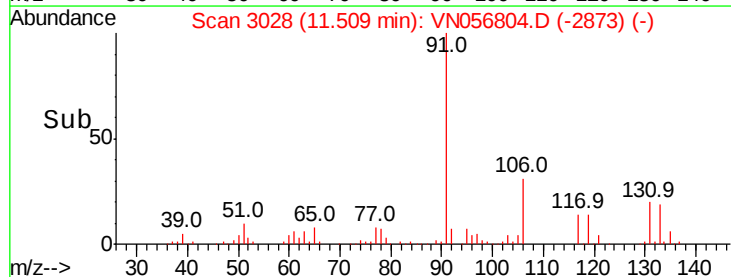
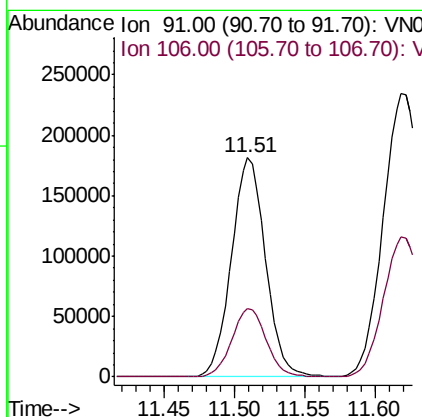
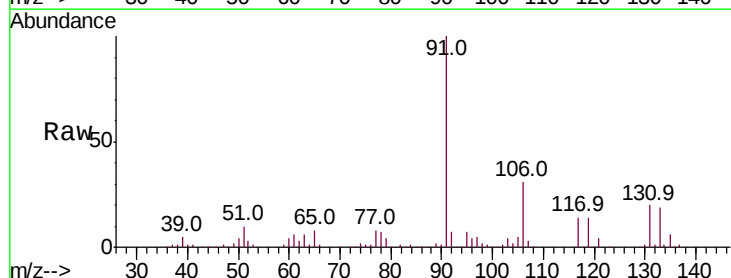
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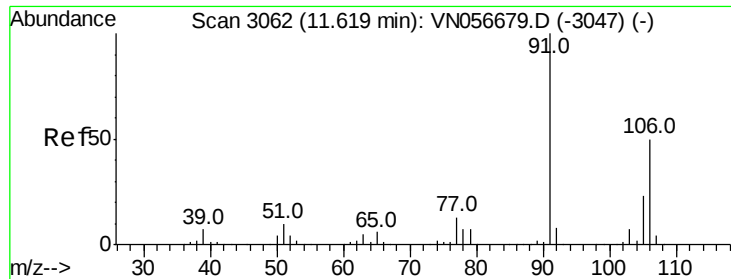
MMDadoda
 7/19/2019 11:31:33 PM



#66
 Ethyl Benzene
 Concen: 19.918 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.1	37.7





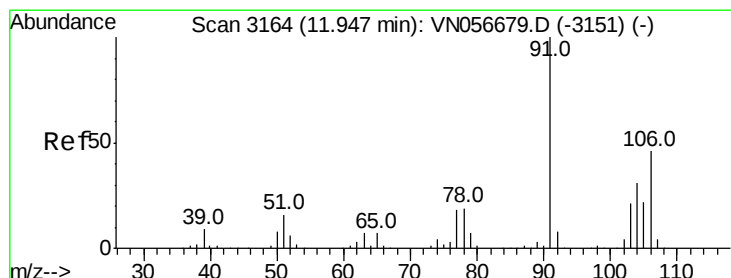
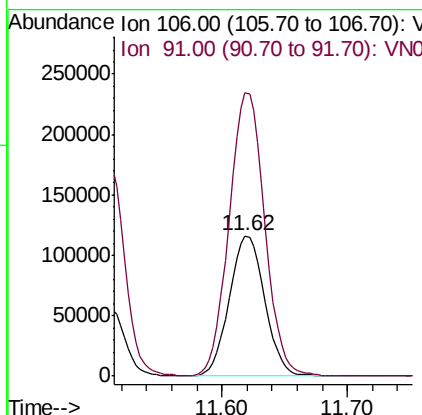
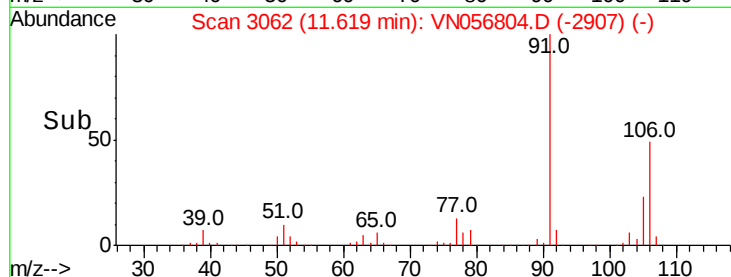
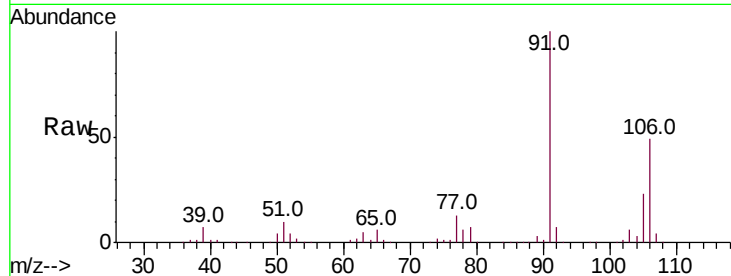
#67
m/p-Xylenes
Concen: 39.040 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VN0718WBS01

Tot Ion:106 Resp: 227610
Ion Ratio Lower Upper
106 100
91 203.5 161.8 242.8

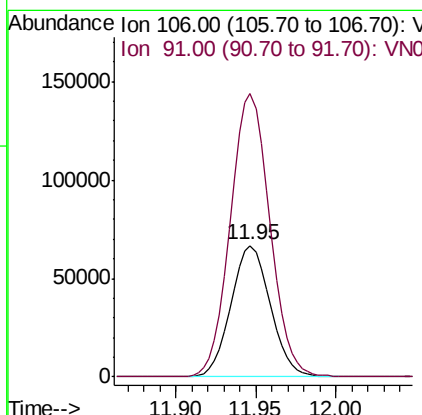
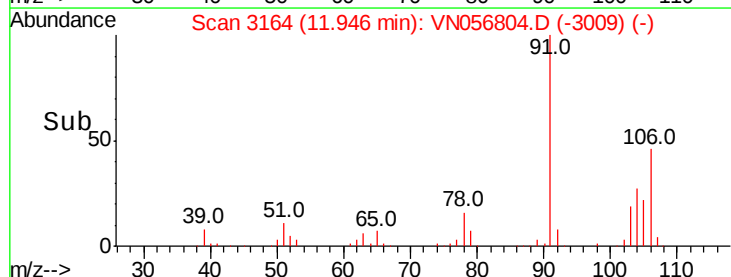
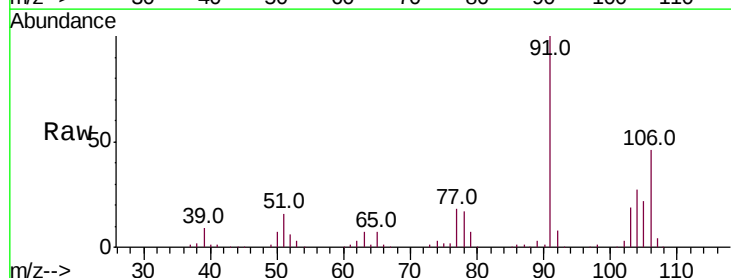
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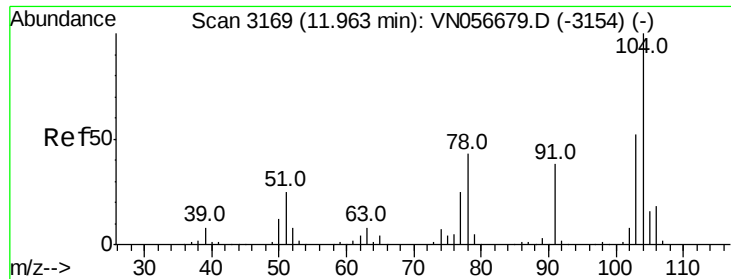
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#68
o-Xylene
Concen: 19.652 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion:106 Resp: 111753
Ion Ratio Lower Upper
106 100
91 217.0 108.1 324.2





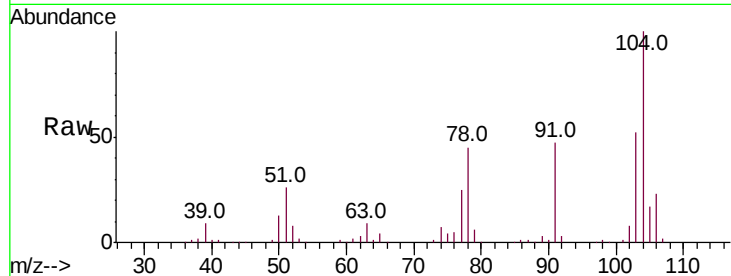
#69
Stvrene
Concen: 19.445 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

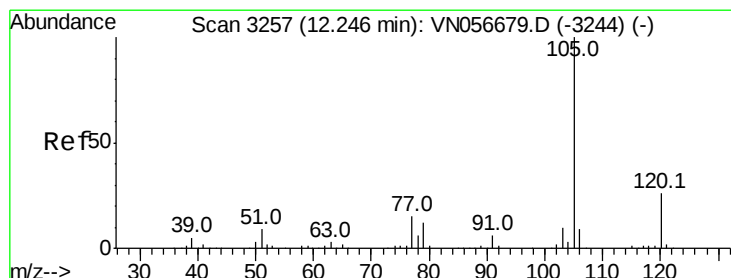
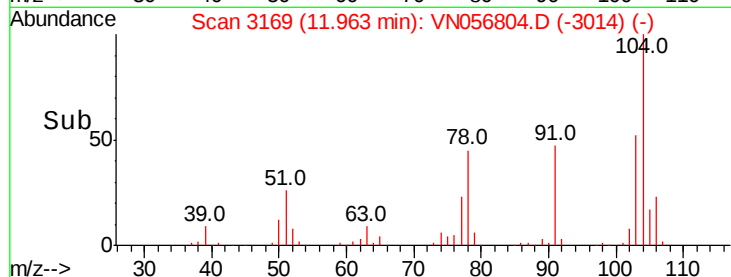
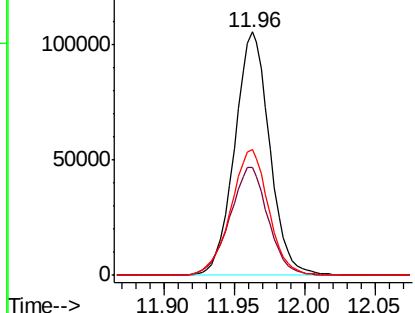
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.7	58.1
103	55.5	45.0	67.4

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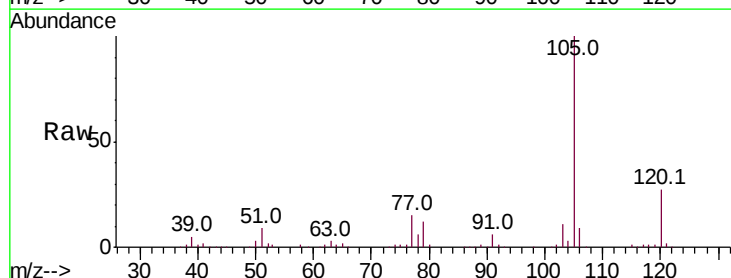


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

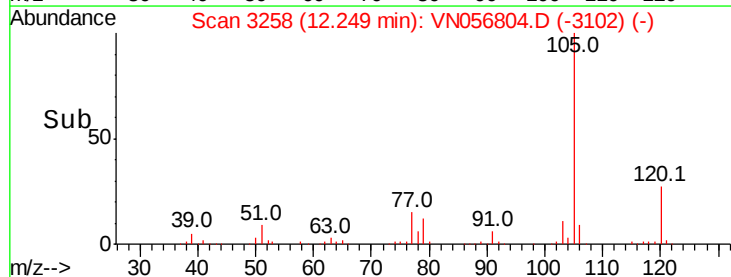
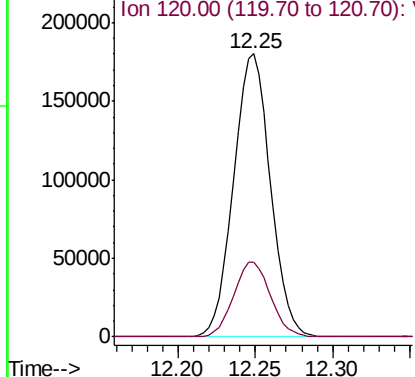


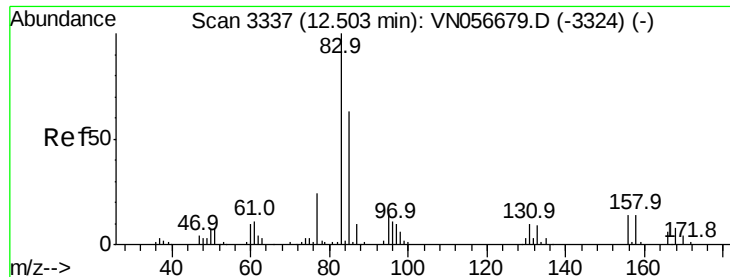
#70
Isopropylbenzene
Concen: 19.966 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





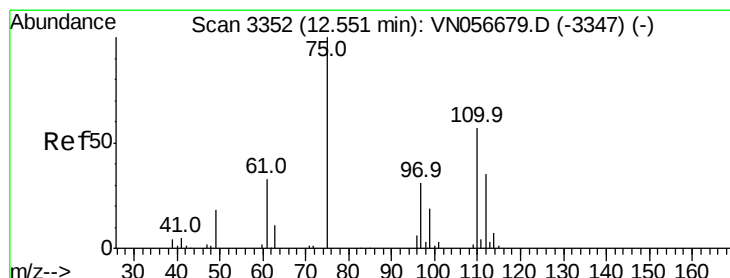
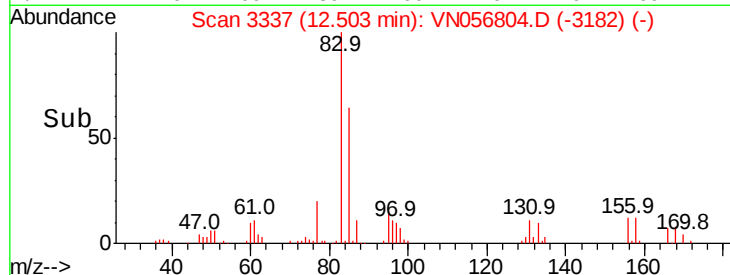
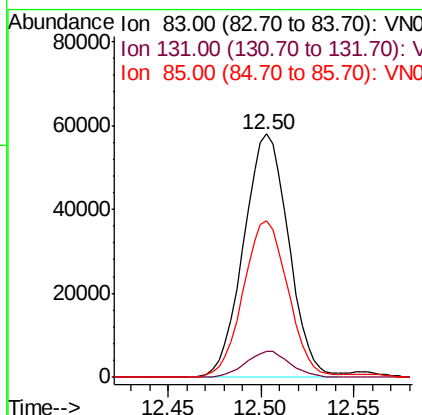
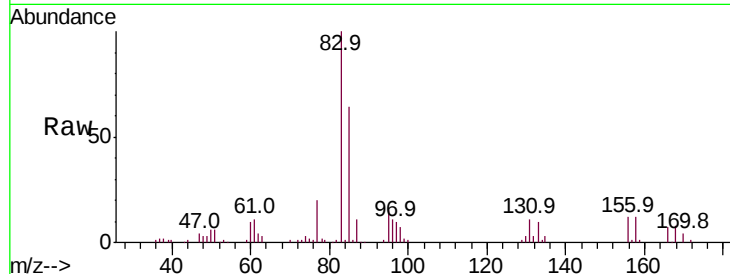
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.173 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	83	Resp	97596
Ion Ratio	100	Lower	Upper
131	10.5	5.1	15.3
85	63.8	31.9	95.7

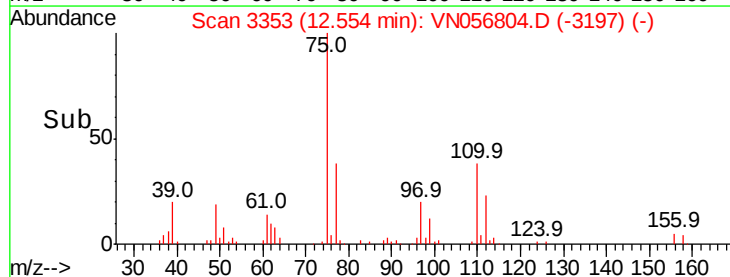
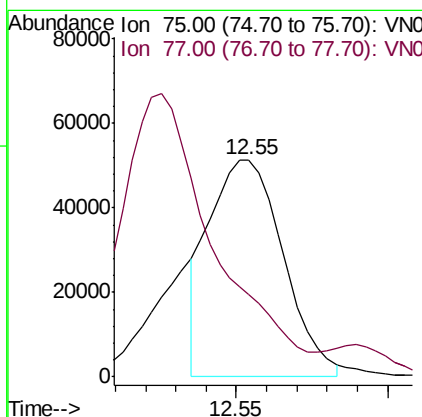
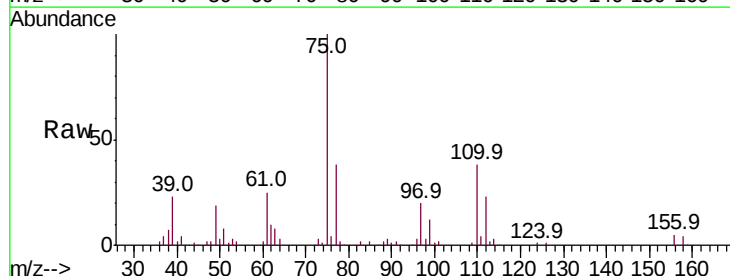
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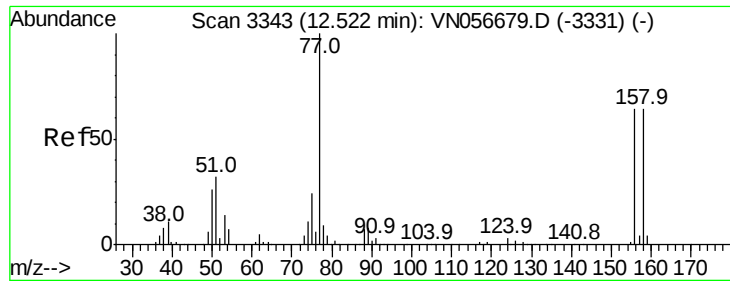
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#72
 1,2,3-Trichloropropane
 Concen: 21.145 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	75	Resp	87435
Ion Ratio	100	Lower	Upper
77	166.5	0.0	352.2





#73

Bromobenzene

Concen: 19.771 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

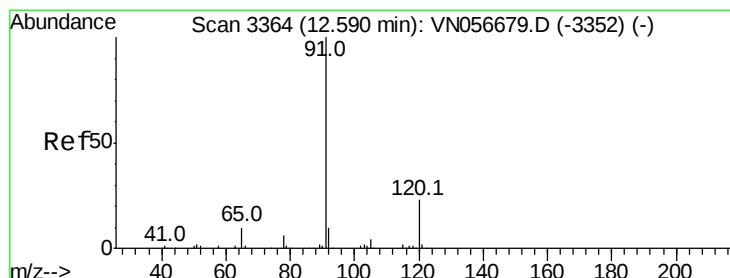
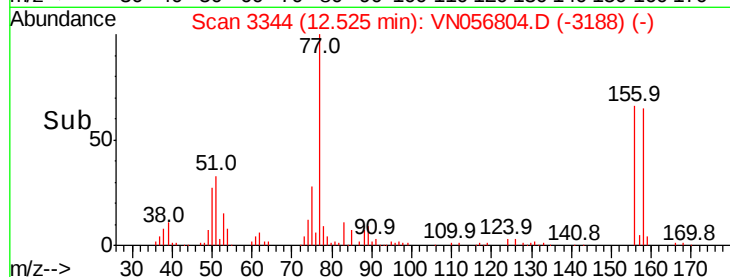
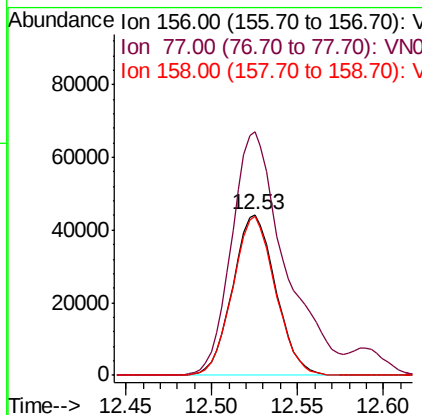
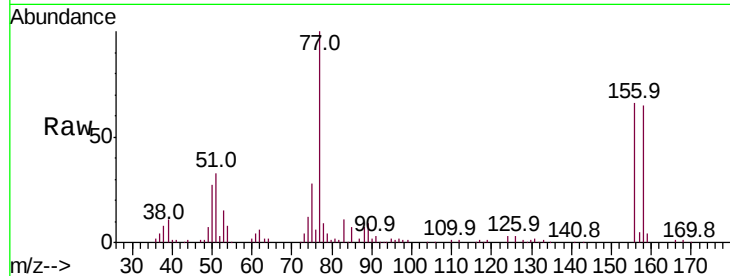
ClientSampleId :

VN0718WBS01

Tot Ion:	156	Resp:	77010
Ion Ratio	Lower	Upper	
156	100		
77	189.1	0.0	381.8
158	97.6	0.0	195.8

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#74

n-propylbenzene

Concen: 19.149 ug/l

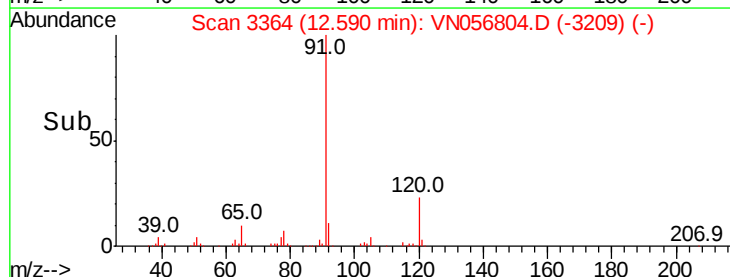
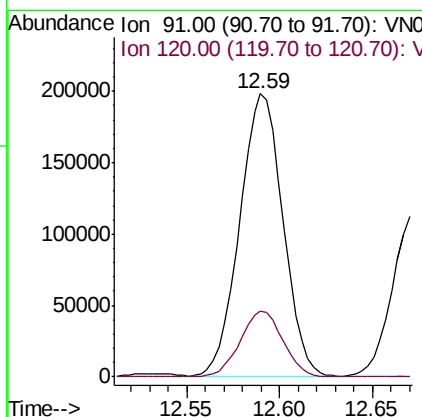
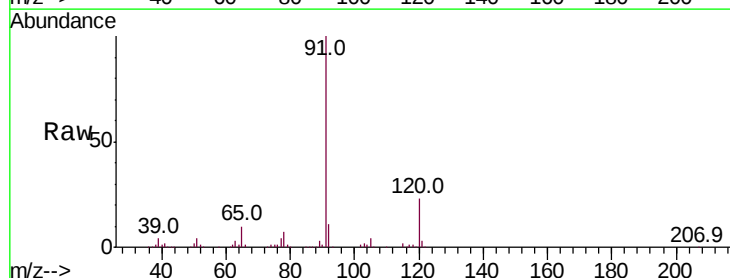
RT: 12.59 min Scan# 3364

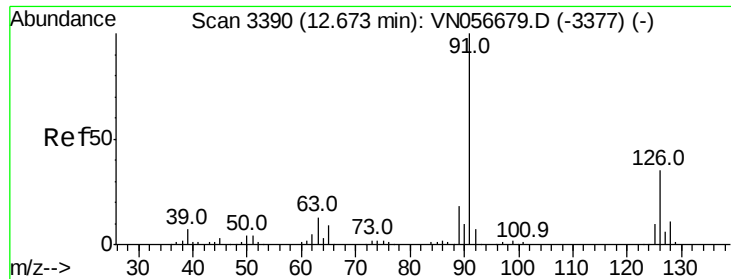
Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	91	Resp:	322029
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	45.6





#75

2-Chlorotoluene

Concen: 19.505 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS01

Tot Ion: 91 Resp: 197548

Ion Ratio Lower Upper

91 100

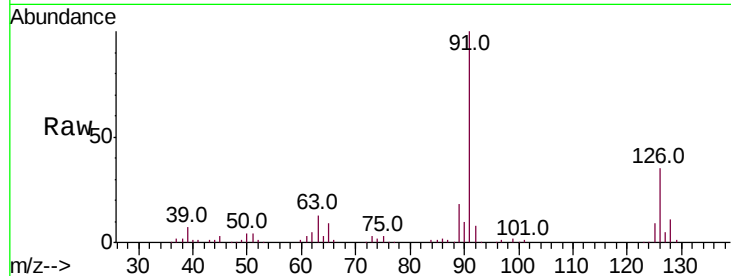
126 35.1 0.0 69.8

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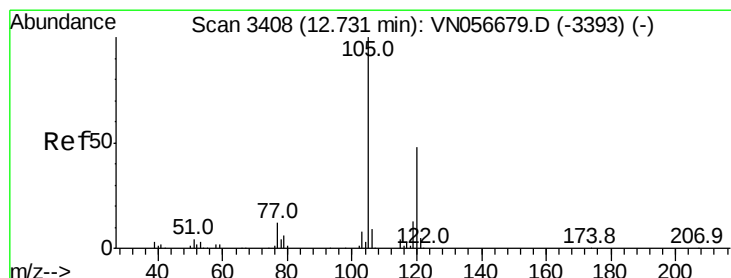
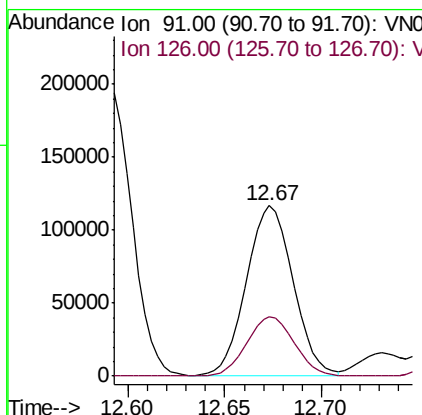
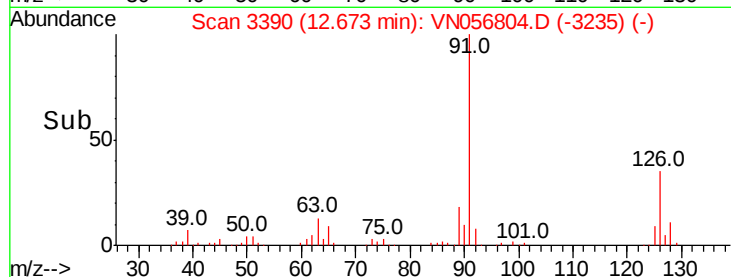
MMDadoda

7/19/2019 11:31:33 PM



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.952 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056804.D

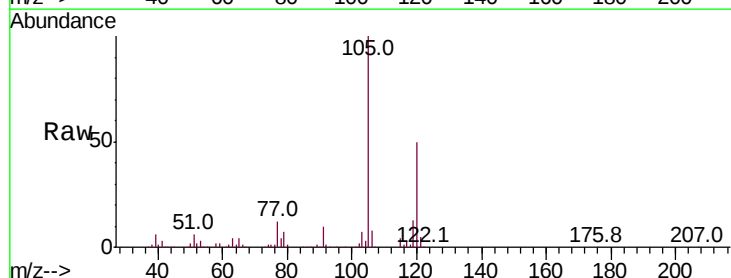
Acq: 18 Jul 2019 10:55

Tgt Ion:105 Resp: 253664

Ion Ratio Lower Upper

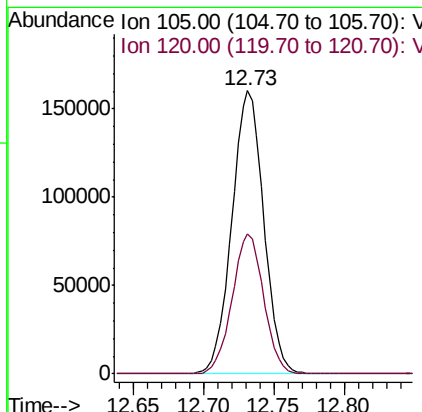
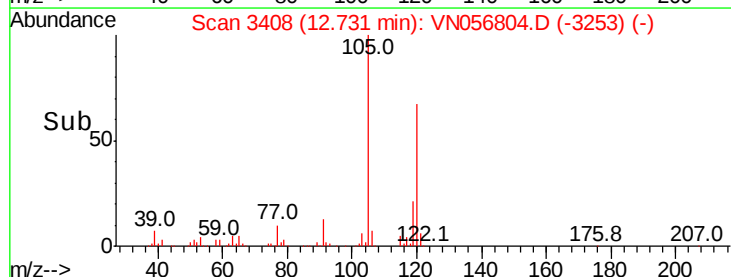
105 100

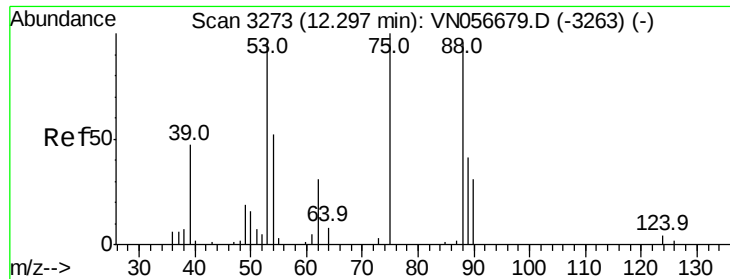
120 48.8 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.250 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

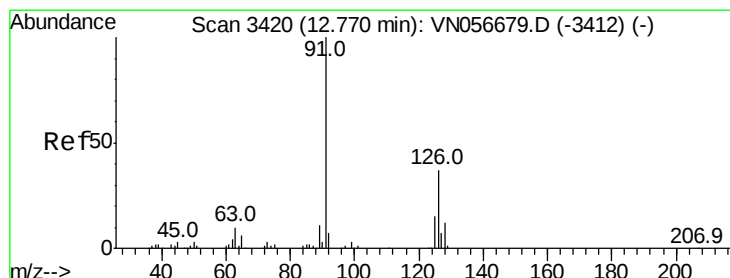
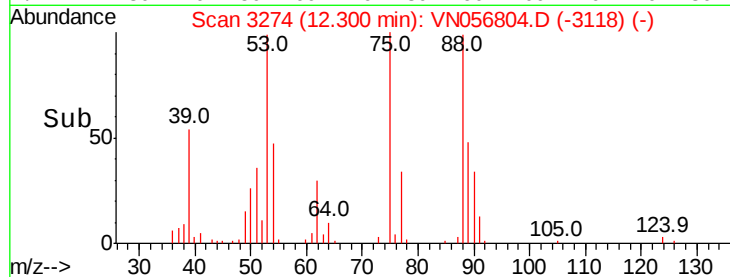
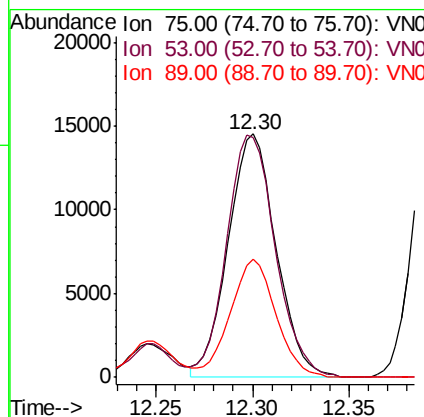
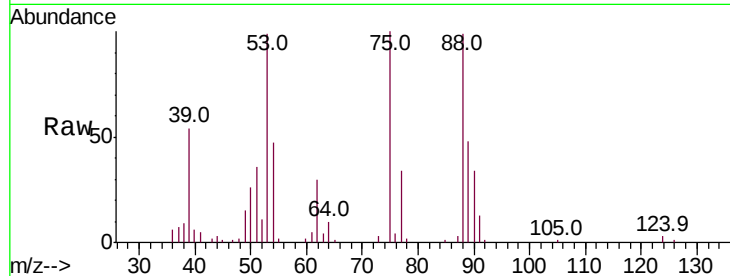
ClientSampleId :

VN0718WBS01

Tot Ion:	75	Resp:	25085
Ion Ratio	Lower	Upper	
75	100		
53	98.7	48.6	145.8
89	48.5	21.3	64.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.668 ug/l

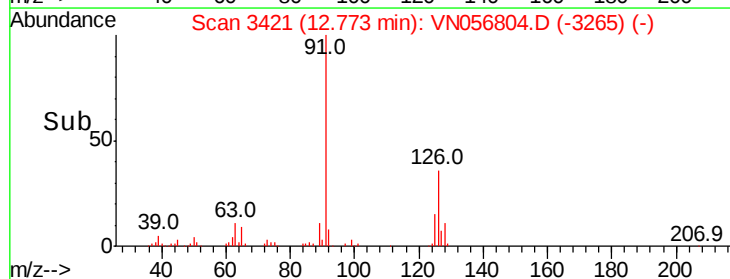
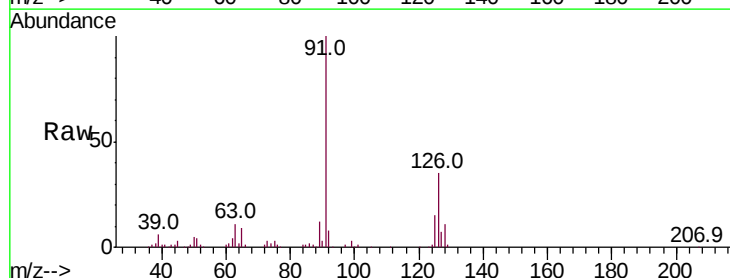
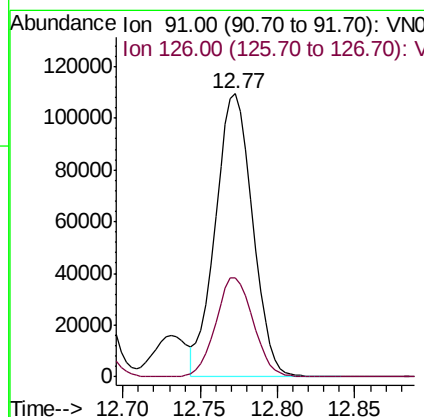
RT: 12.77 min Scan# 3421

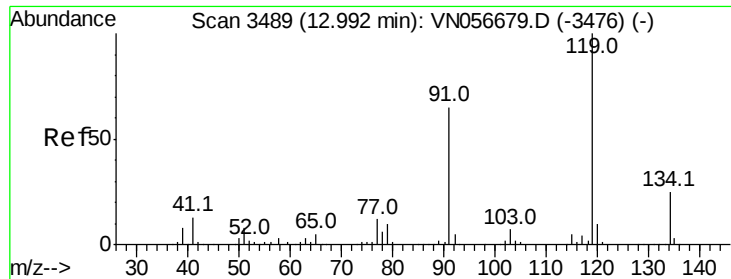
Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	91	Resp:	183346
Ion Ratio	Lower	Upper	
91	100		
126	35.3	0.0	69.4





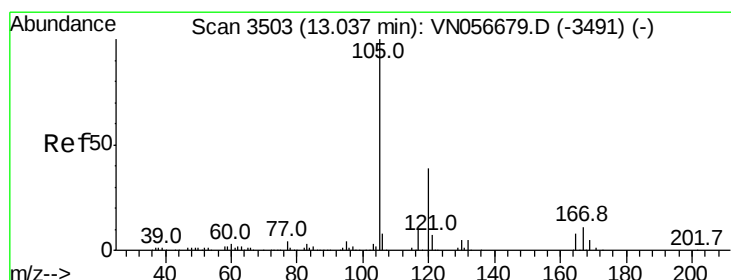
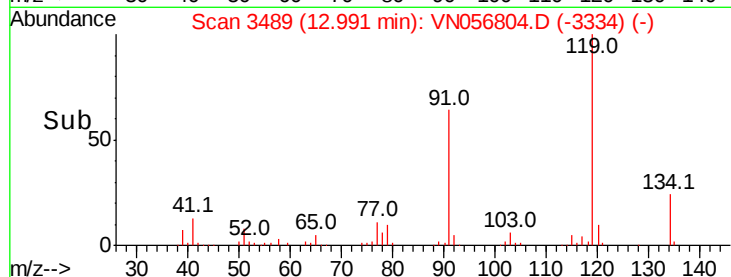
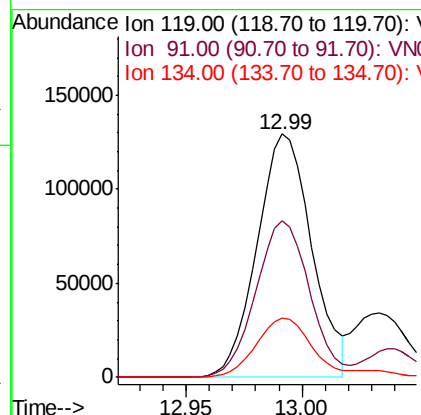
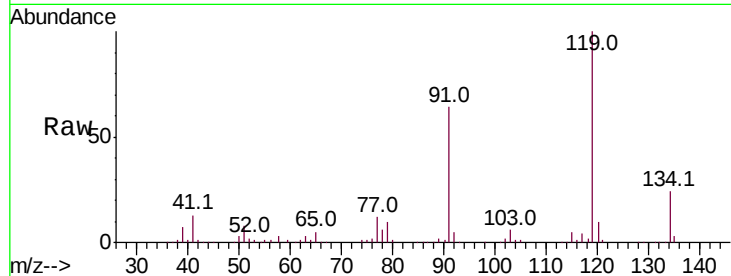
#79
 tert-butylbenzene
 Concen: 19.691 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN0718WBS01

Tot Ion:	119	Resp:	212965
Ion Ratio	Lower	Upper	
119	100		
91	63.6	0.0	125.4
134	24.6	0.0	48.4

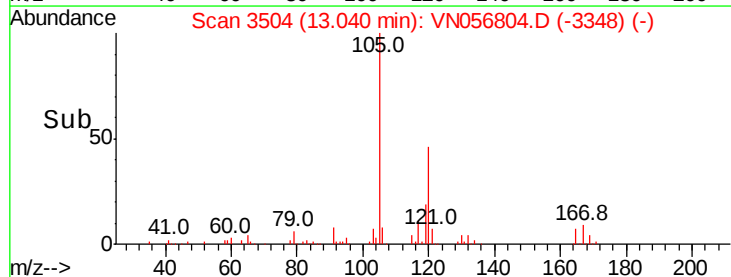
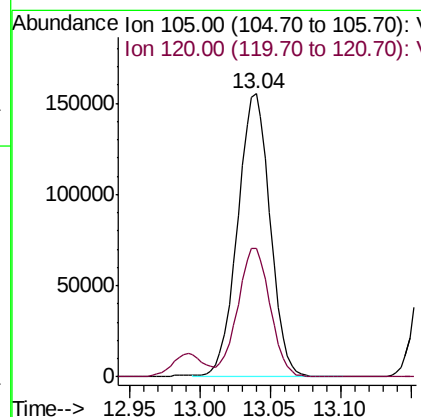
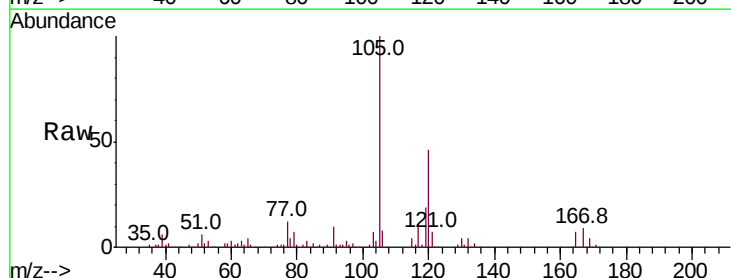
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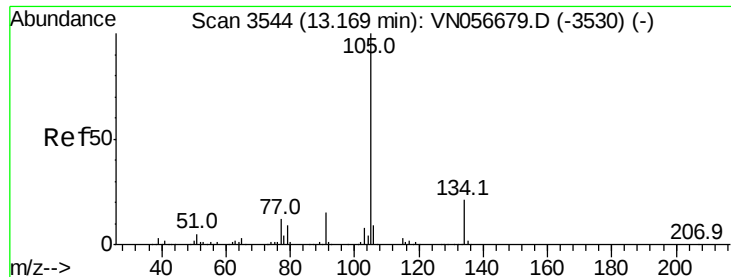
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#80
 1,2,4-Trimethylbenzene
 Concen: 19.879 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion:	105	Resp:	250649
Ion Ratio	Lower	Upper	
105	100		
120	45.4	0.0	91.2





#81

sec-Butylbenzene

Concen: 19.390 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

VN0718WBS01

Tot Ion:105 Resp: 277591

Ion Ratio Lower Upper

105 100

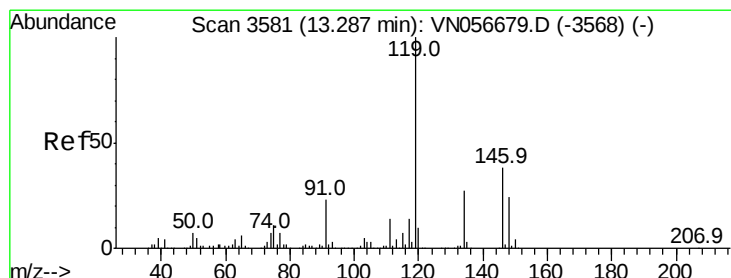
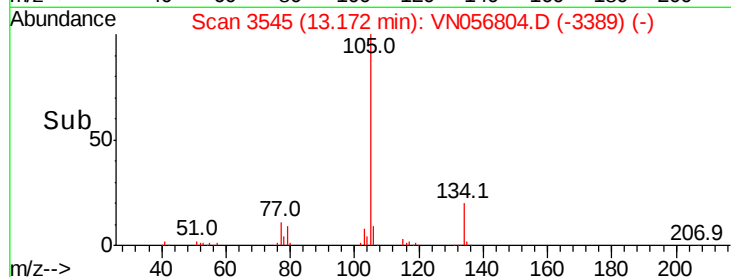
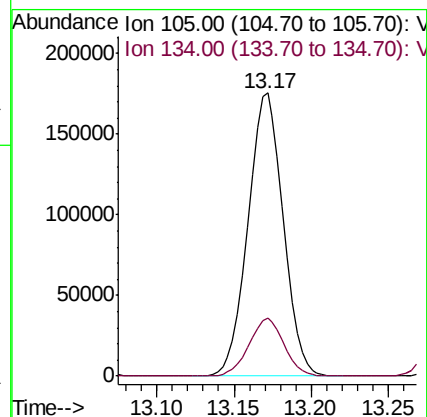
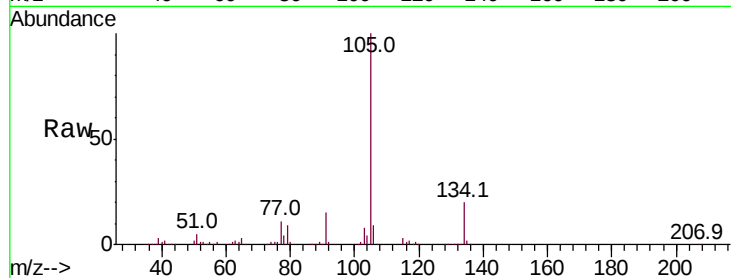
134 20.3 0.0 40.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.131 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

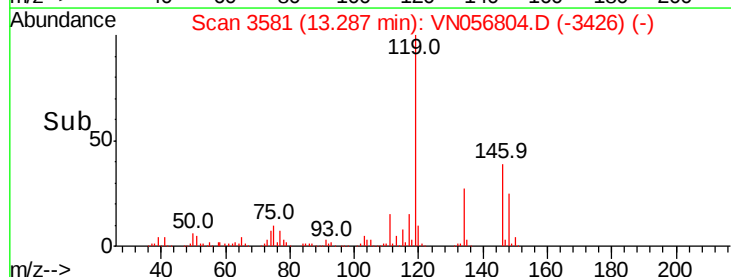
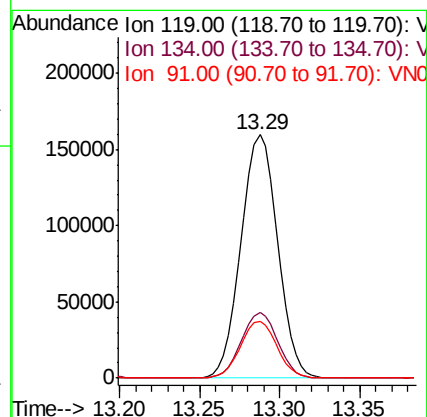
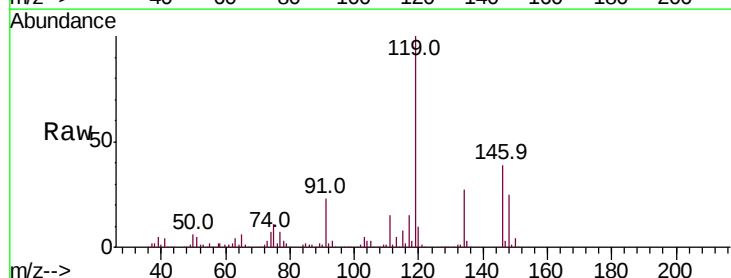
Tgt Ion:119 Resp: 249079

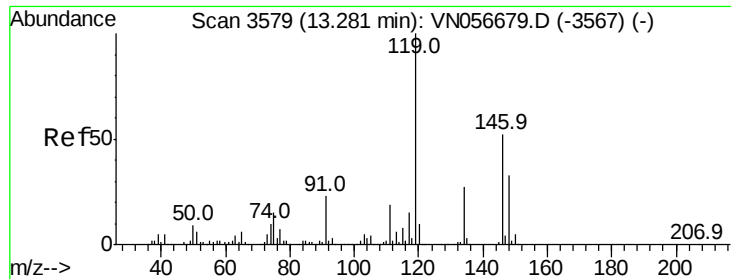
Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

91 23.1 0.0 45.4





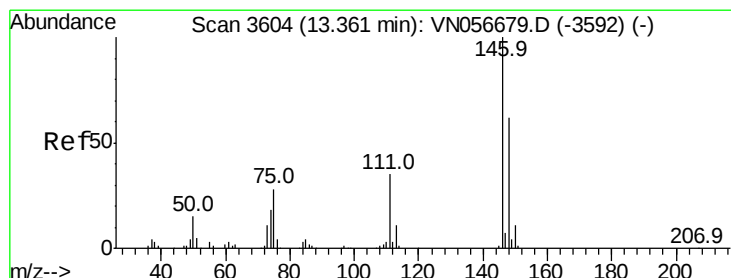
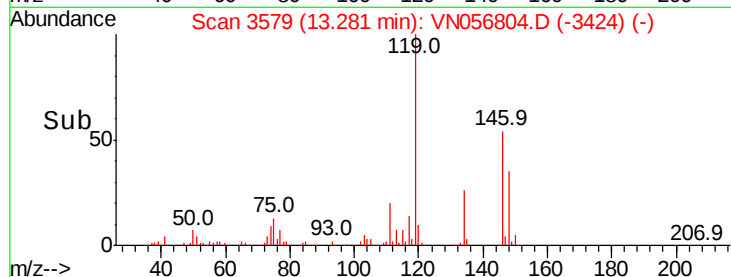
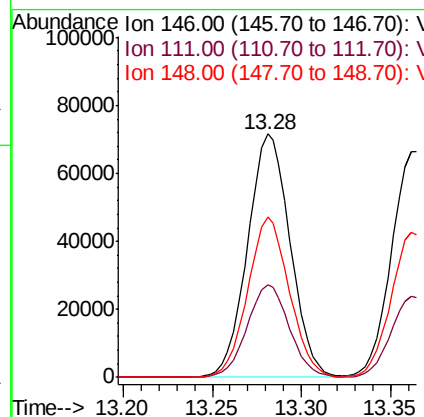
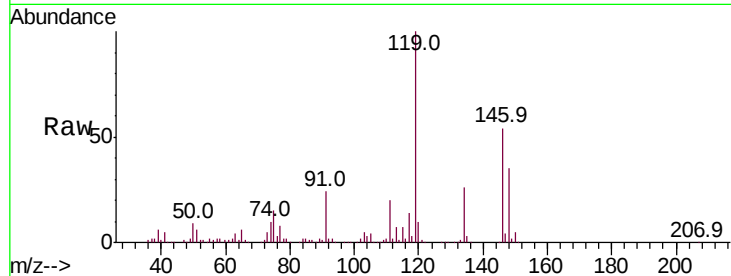
#83
 1,3-Dichlorobenzene
 Concen: 18.404 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.3	31.8	95.4

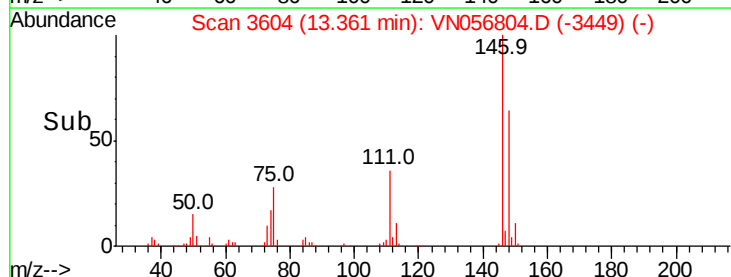
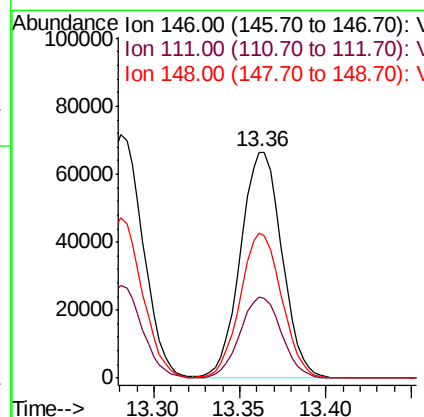
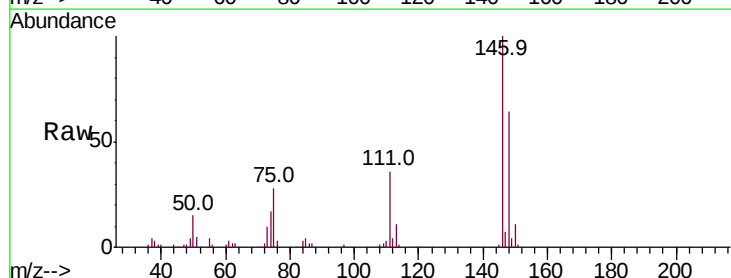
Manual Integrations
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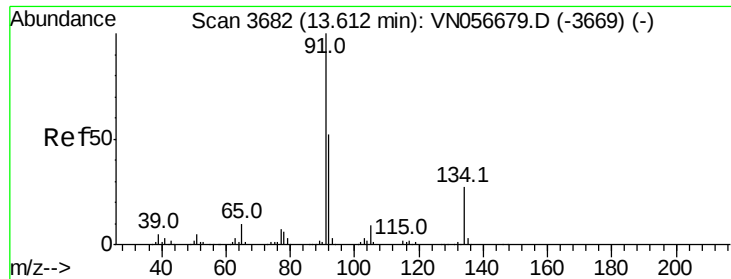
MMDadoda
 7/19/2019 11:31:33 PM



#84
 1,4-Dichlorobenzene
 Concen: 17.952 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056804.D
 Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.8	53.4
148	64.3	31.9	95.5





#85

n-Butylbenzene

Concen: 17.691 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

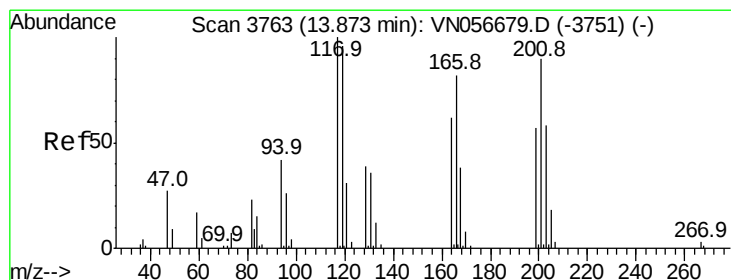
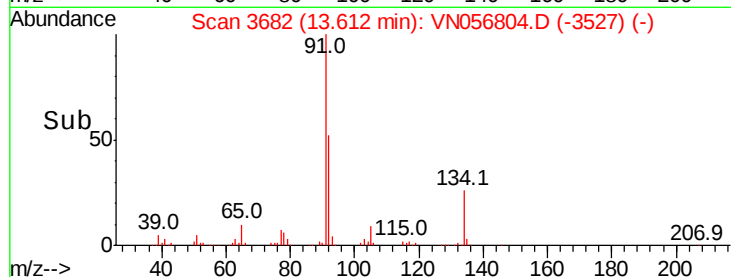
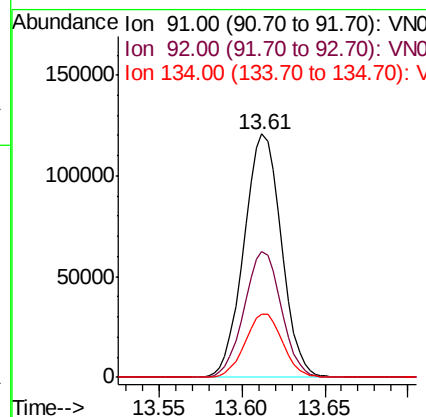
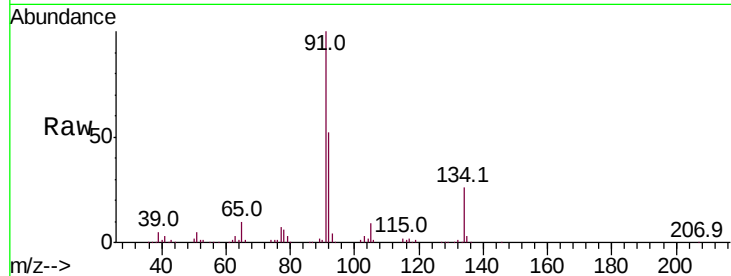
ClientSampleId :

VN0718WBS01

Tot Ion:	91	Resp:	189979
Ion Ratio	Lower	Upper	
91	100		
92	51.4	0.0	104.0
134	26.0	0.0	53.2

Manual Integrations
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#86

Hexachloroethane

Concen: 19.152 ug/l

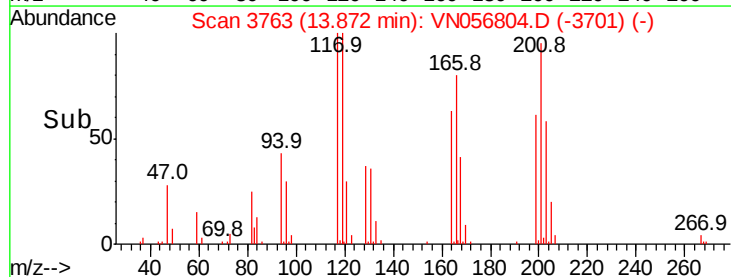
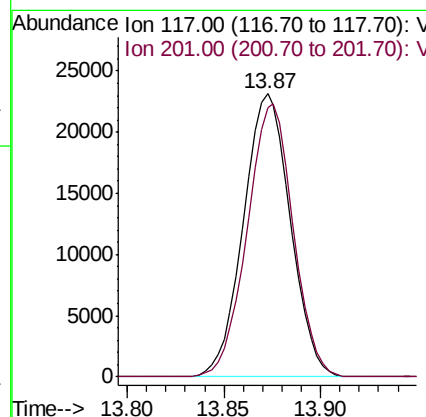
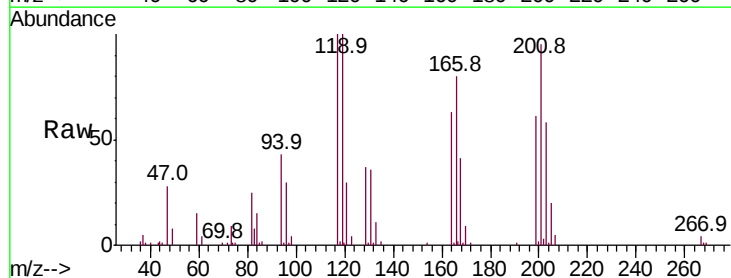
RT: 13.87 min Scan# 3763

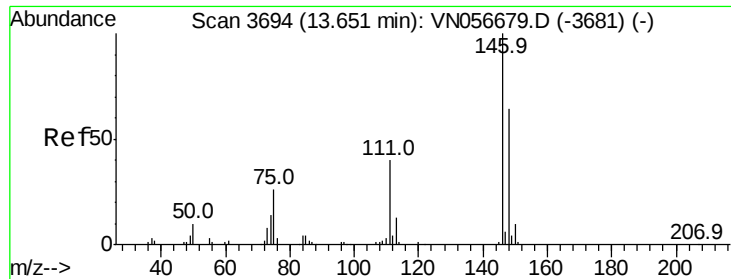
Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	117	Resp:	39124
Ion Ratio	Lower	Upper	
117	100		
201	94.1	45.6	136.7





#87

1,2-Dichlorobenzene

Concen: 19.034 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

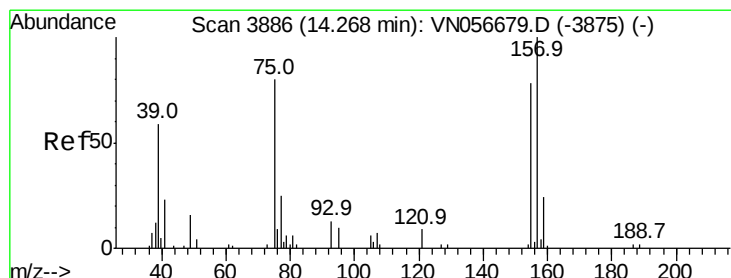
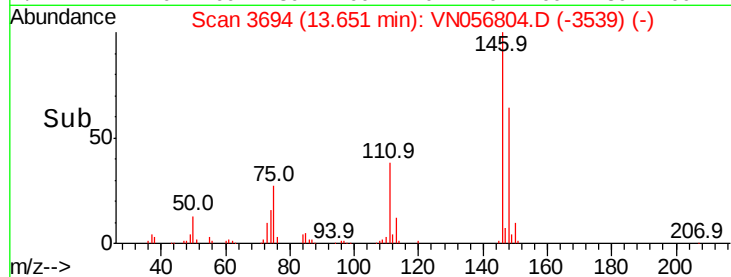
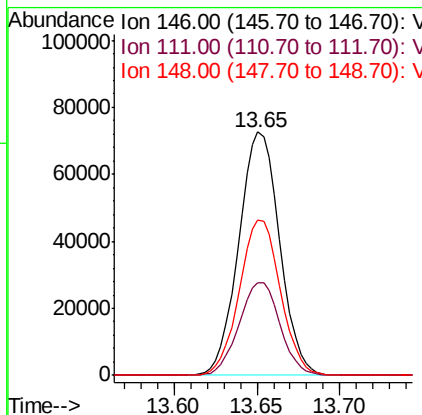
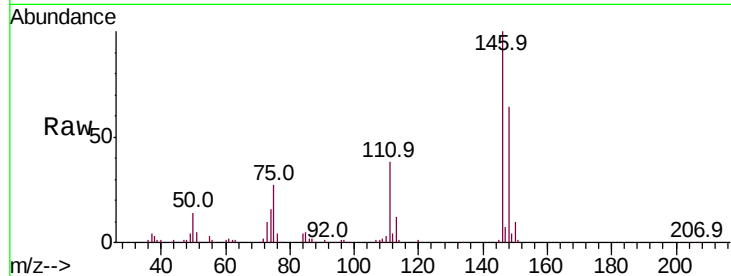
ClientSampleId :

VN0718WBS01

Tot Ion:	146	Resp:	124183
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.7	59.0
148	64.2	32.7	98.1

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.682 ug/l

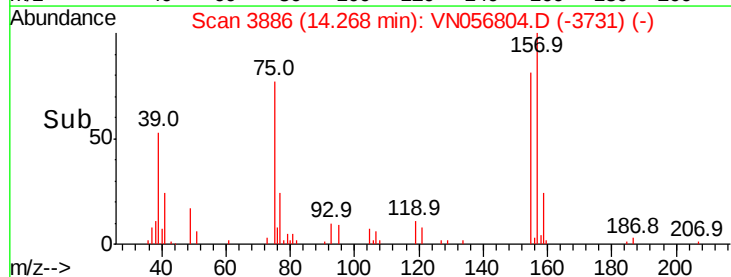
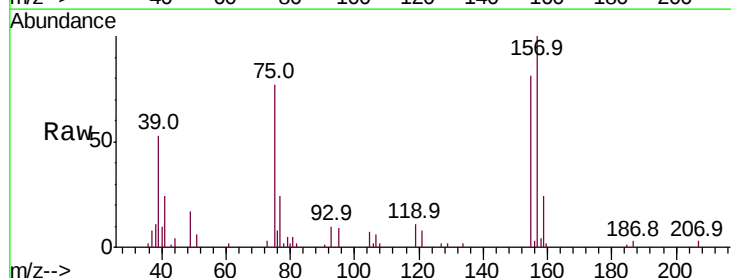
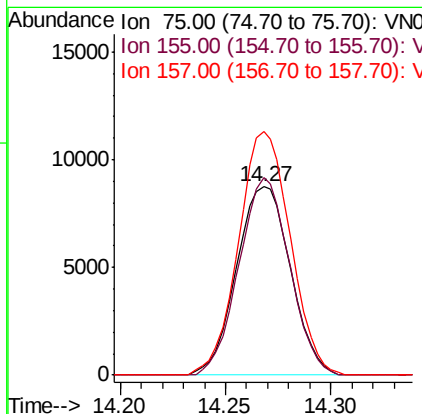
RT: 14.27 min Scan# 3886

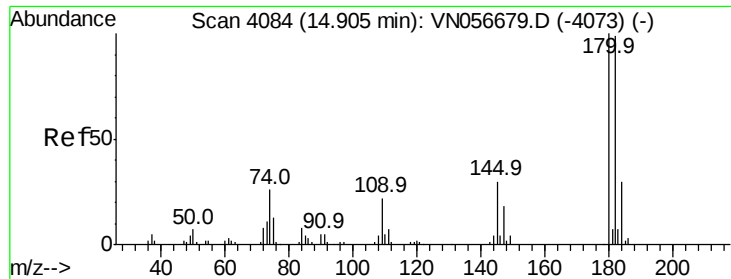
Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	75	Resp:	15594
Ion Ratio	Lower	Upper	
75	100		
155	97.6	78.6	117.8
157	124.0	99.3	148.9





#89

1,2,4-Trichlorobenzene

Concen: 14.310 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Instrument :

MSVOA_N

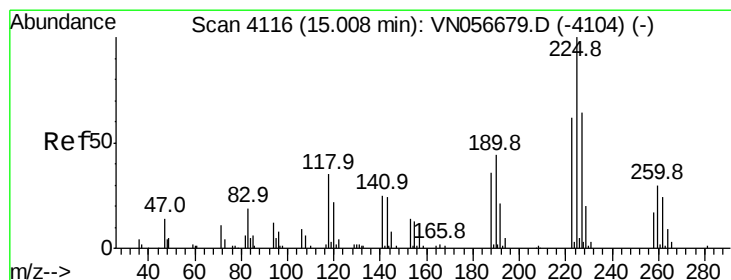
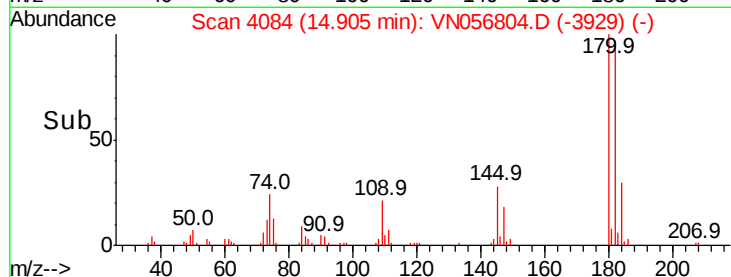
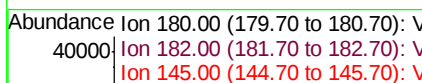
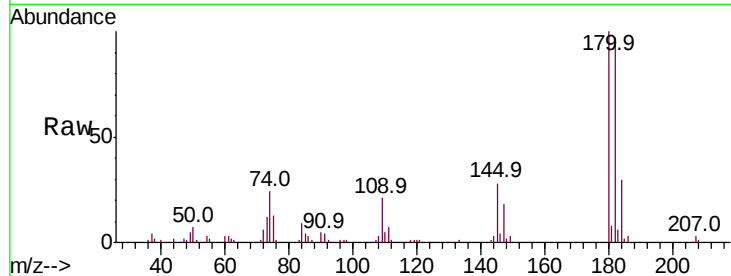
ClientSampleId :

VN0718WBS01

Tot Ion:	180	Resp:	50216
Ion Ratio	Lower	Upper	
180	100		
182	98.0	78.2	117.4
145	28.3	23.2	34.8

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 18.423 ug/l

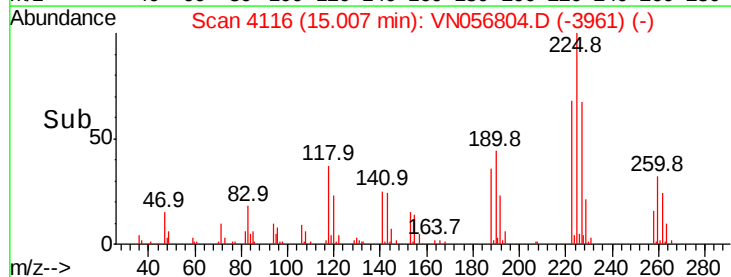
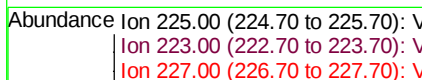
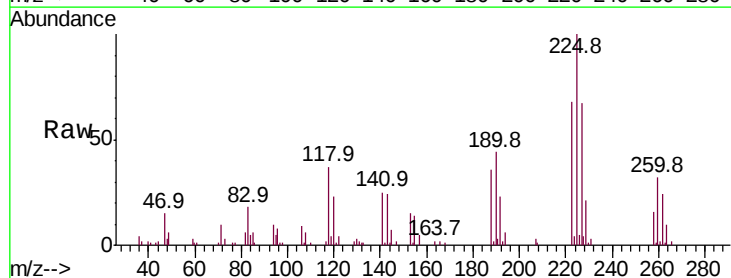
RT: 15.01 min Scan# 4116

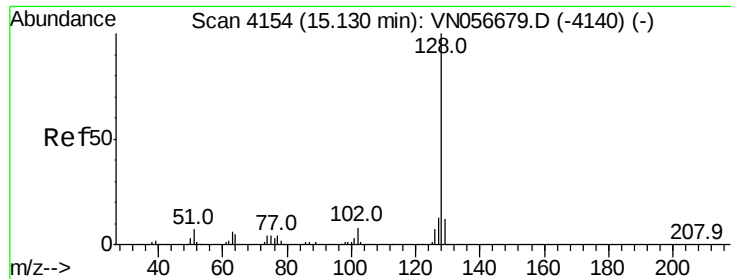
Delta R.T. -0.00 min

Lab File: VN056804.D

Acq: 18 Jul 2019 10:55

Tgt Ion:	225	Resp:	42033
Ion Ratio	Lower	Upper	
225	100		
223	65.8	0.0	124.6
227	65.9	0.0	128.6





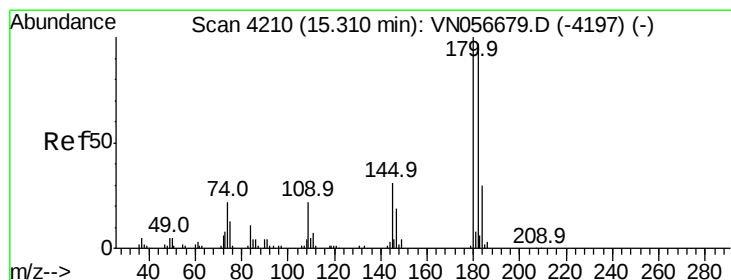
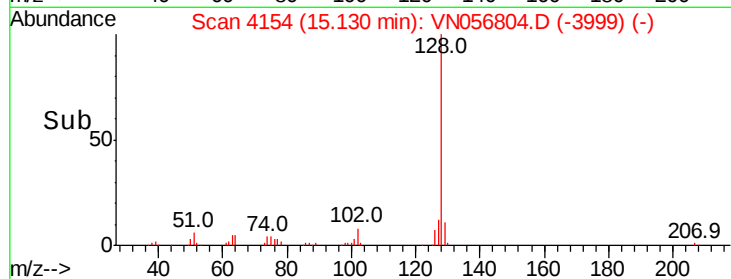
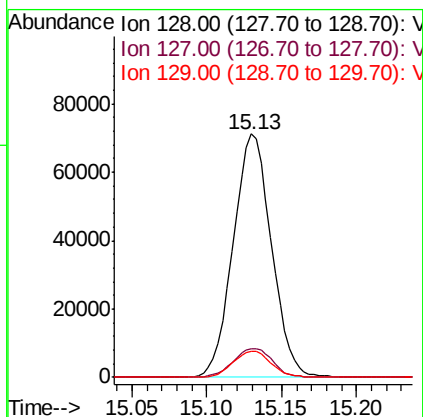
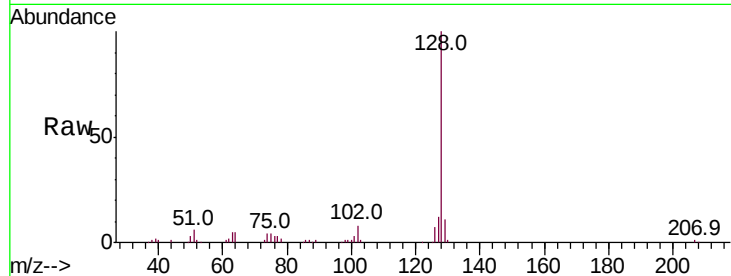
#91
Naphthalene
Concen: 13.438 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126838		
127	12.2		10.4	15.6
129	10.6		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/19/2019 11:31:33 PM



#92
1,2,3-Trichlorobenzene
Concen: 15.375 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056804.D
Acq: 18 Jul 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56576		
182	96.1		0.0	192.4
145	29.8		0.0	60.4

