

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053405.D
 Acq On : 15 Jan 2019 14:00
 Operator : JC/SP
 Sample : VN0115WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:30 AM

Quant Time: Jan 16 03:59:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	889050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1347333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1211573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	572734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	459299	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.59	113	395987	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.09	98	1650370	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	574725	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147053	20.573	ug/l	98
3) Chloromethane	2.06	50	208979	20.448	ug/l	99
4) Vinyl Chloride	2.19	62	196710	19.968	ug/l	100
5) Bromomethane	2.56	94	138647	20.511	ug/l	99
6) Chloroethane	2.71	64	120480	20.228	ug/l	99
7) Trichlorofluoromethane	3.02	101	267512	20.760	ug/l	100
8) Diethyl Ether	3.41	74	105538	21.807	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	168061	20.594	ug/l	100
10) Methyl Iodide	3.96	142	252597	20.255	ug/l	100
11) Tert butyl alcohol	4.78	59	54643	127.081	ug/l	100
12) 1,1-Dichloroethene	3.74	96	162250	20.498	ug/l	99
13) Acrolein	3.61	56	85438	115.305	ug/l	99
14) Allyl chloride	4.33	41	272430	21.189	ug/l	95
15) Acrylonitrile	4.99	53	324696	114.743	ug/l	99
16) Acetone	3.81	43	218405	105.935	ug/l	100
17) Carbon Disulfide	4.06	76	481757	20.126	ug/l	99
18) Methyl Acetate	4.33	43	153562	22.108	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	464404	22.081	ug/l	99
20) Methylene Chloride	4.55	84	190263	20.214	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	175778	20.772	ug/l	99
22) Diisopropyl ether	5.95	45	574411	21.401	ug/l	97
23) Vinyl Acetate	5.90	43	1838995	111.460	ug/l	99
24) 1,1-Dichloroethane	5.85	63	331811	20.912	ug/l	99
25) 2-Butanone	6.84	43	365069	114.907	ug/l	98
26) 2,2-Dichloropropane	6.83	77	246656	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	205272	21.213	ug/l	99
28) Bromochloromethane	7.19	49	150084	21.471	ug/l	100
29) Tetrahydrofuran	7.21	42	244015	117.979	ug/l	97
30) Chloroform	7.37	83	324260	20.975	ug/l	98
31) Cyclohexane	7.66	56	320208	20.605	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	268950	20.509	ug/l	100
36) 1,1-Dichloropropene	7.80	75	249502	20.334	ug/l	100
37) Ethyl Acetate	6.93	43	163608	22.985	ug/l	100
38) Carbon Tetrachloride	7.78	117	235384	20.262	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	311601	20.546	ug/l	99
40) Benzene	8.04	78	768073	20.599	ug/l	99
41) Methacrylonitrile	7.17	41	89893	20.423	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	227921	20.982	ug/l	99
43) Isopropyl Acetate	8.17	43	300591	22.678	ug/l	98
44) Trichloroethene	8.84	130	210137	20.322	ug/l	100
45) 1,2-Dichloropropane	9.12	63	205183	20.775	ug/l	100
46) Dibromomethane	9.21	93	118031	20.801	ug/l	100
47) Bromodichloromethane	9.40	83	241961	20.277	ug/l	99
48) Methyl methacrylate	9.20	41	143070	21.829	ug/l	99
49) 1,4-Dioxane	9.20	88	30826	481.589	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	808772	116.715	ug/l	99
52) Toluene	10.16	92	478566	20.674	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	253789	20.983	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	297089	20.953	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172617	21.629	ug/l	99
56) Ethyl methacrylate	10.43	69	226719	21.251	ug/l	99
57) 1,3-Dichloropropane	10.71	76	292447	21.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	611566	109.535	ug/l	100
59) 2-Hexanone	10.75	43	562834	115.705	ug/l	100
60) Dibromochloromethane	10.90	129	187235	20.684	ug/l	100
61) 1,2-Dibromoethane	11.01	107	172759	21.404	ug/l	98
64) Tetrachloroethene	10.63	164	224734	19.683	ug/l	99
65) Chlorobenzene	11.43	112	526525	20.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184190	20.646	ug/l	99
67) Ethyl Benzene	11.51	91	907657	20.768	ug/l	100
68) m/p-Xylenes	11.62	106	694813	42.107	ug/l	100
69) o-Xylene	11.95	106	332147	20.715	ug/l	98
70) Styrene	11.96	104	553181	21.257	ug/l	100
71) Bromoform	12.13	173	129301	21.052	ug/l #	100
73) Isopropylbenzene	12.25	105	896061	21.364	ug/l	100
74) N-amyl acetate	12.07	43	258662	23.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	201941	22.957	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	179773m	24.930	ug/l	
77) Bromobenzene	12.53	156	235103	21.273	ug/l	99
78) n-propylbenzene	12.59	91	1021948	21.227	ug/l	100
79) 2-Chlorotoluene	12.68	91	600160	21.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	733615	21.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	60200	21.696	ug/l	98
82) 4-Chlorotoluene	12.77	91	617347	21.214	ug/l	99
83) tert-Butylbenzene	12.99	119	645529	21.418	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	735236	21.368	ug/l	99
85) sec-Butylbenzene	13.17	105	880575	21.303	ug/l	100
86) p-Isopropyltoluene	13.29	119	761776	21.225	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	410093	21.095	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	404618	20.749	ug/l	99
89) n-Butylbenzene	13.62	91	633822	20.718	ug/l	99
90) Hexachloroethane	13.88	117	116662	20.726	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	394552	22.060	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27226	24.410	ug/l	97

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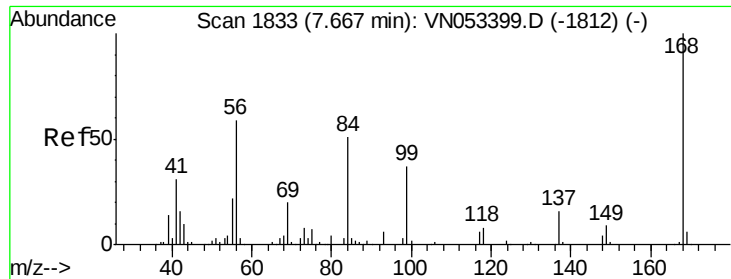
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	163118	22.293	ug/l	99
94) Hexachlorobutadiene	15.01	225	126392	22.654	ug/l	98
95) Naphthalene	15.13	128	290776	23.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	120331	23.116	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion:168 Resp: 889050

Ion Ratio Lower Upper

168 100

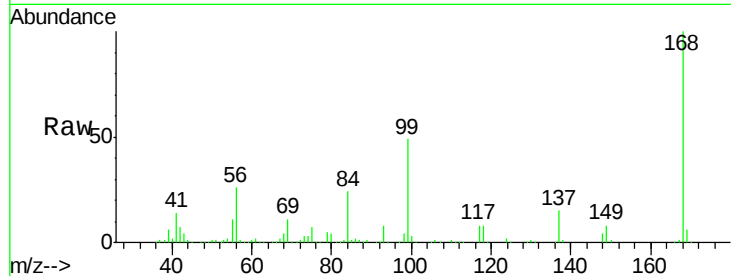
99 48.6 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

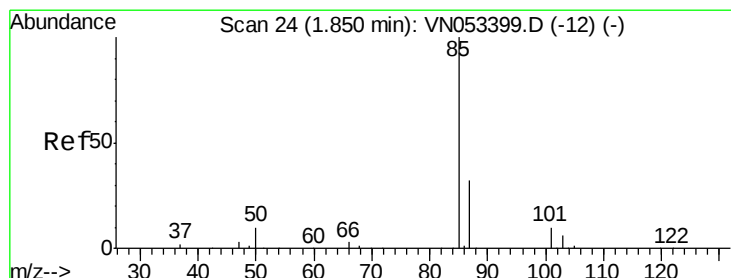
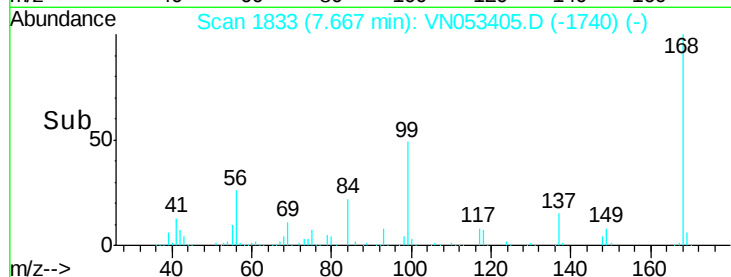
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.573 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053405.D

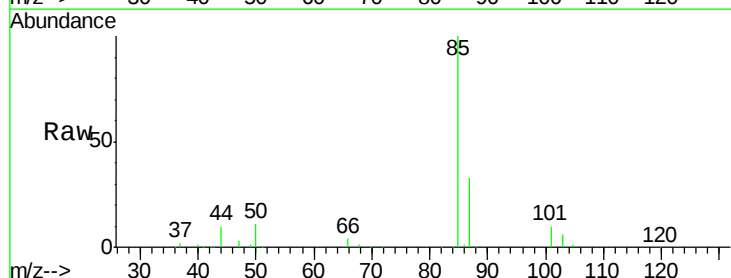
Acq: 15 Jan 2019 14:00

Tgt Ion: 85 Resp: 147053

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

120000

100000

80000

60000

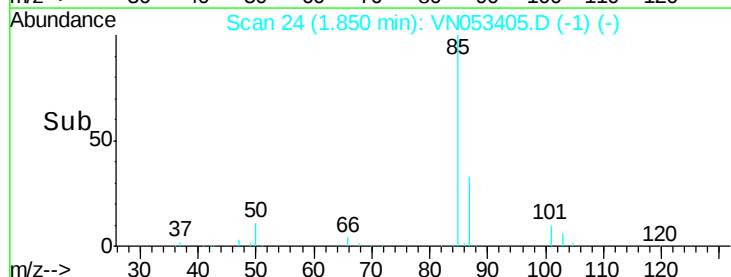
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.448 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 50 Resp: 208979

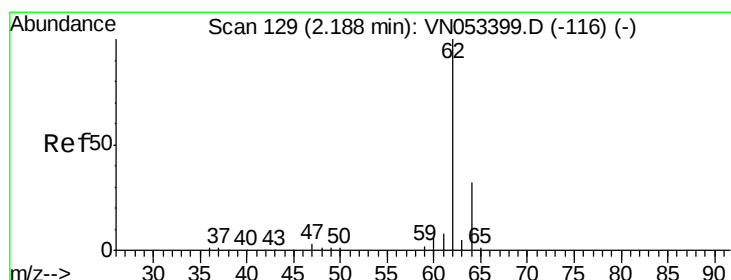
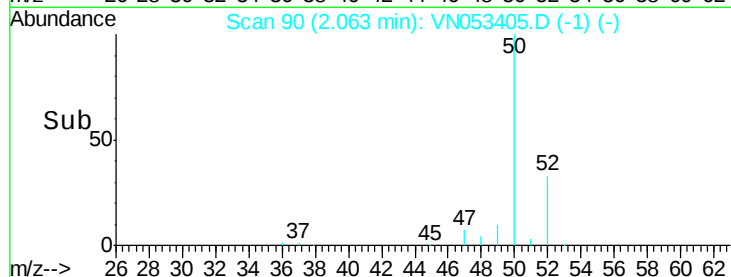
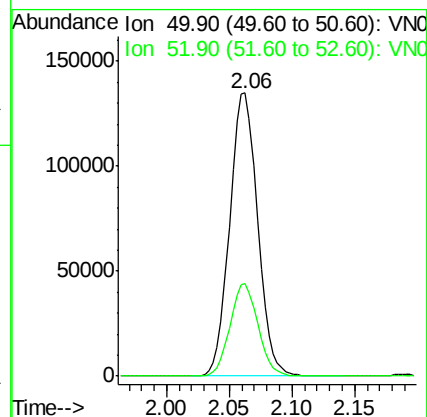
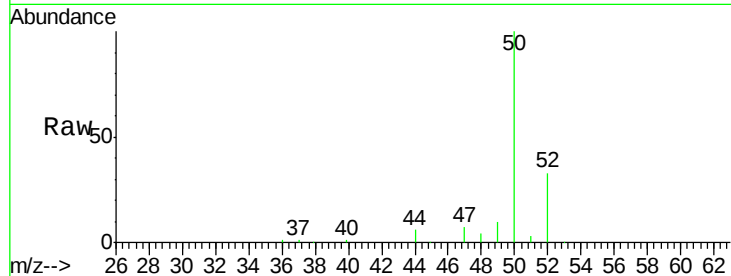
Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0

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#4

Vinyl Chloride

Concen: 19.968 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053405.D

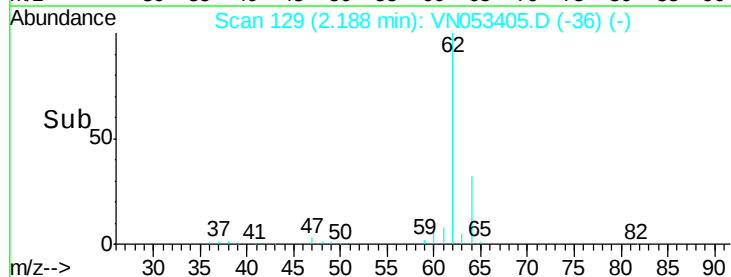
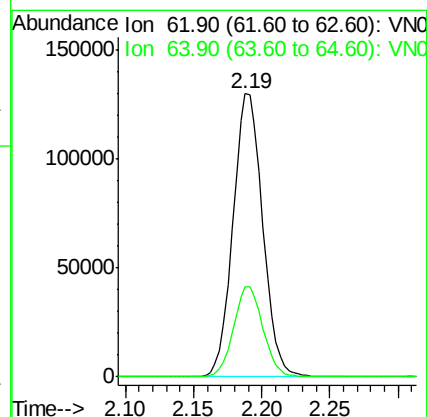
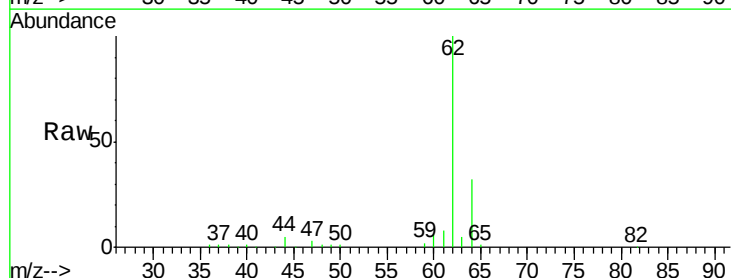
Acq: 15 Jan 2019 14:00

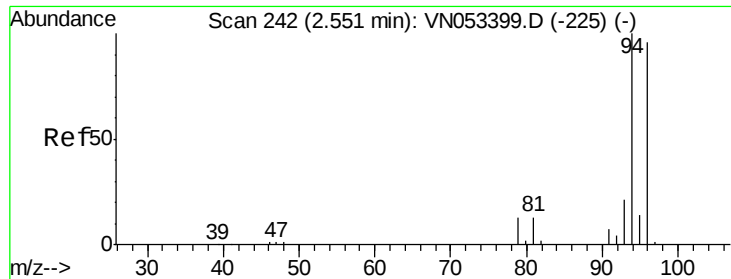
Tgt Ion: 62 Resp: 196710

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 20.511 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 94 Resp: 138647

Ion Ratio Lower Upper

94 100

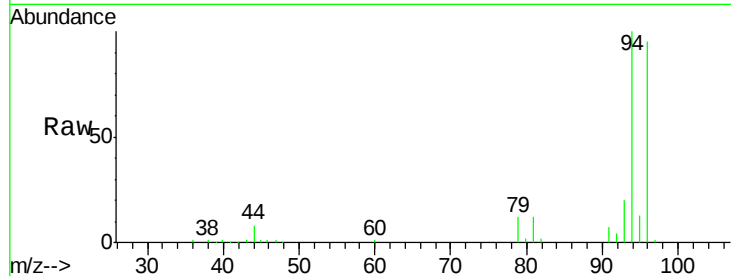
96 95.0 74.9 112.3

Manual Integrations

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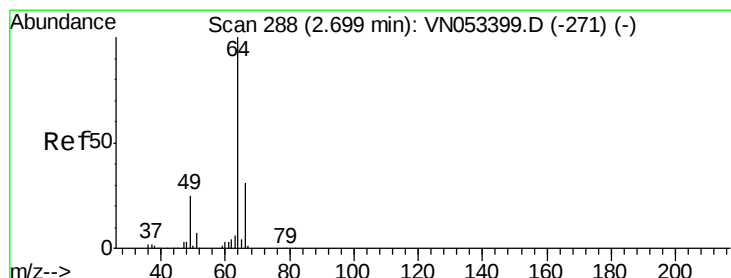
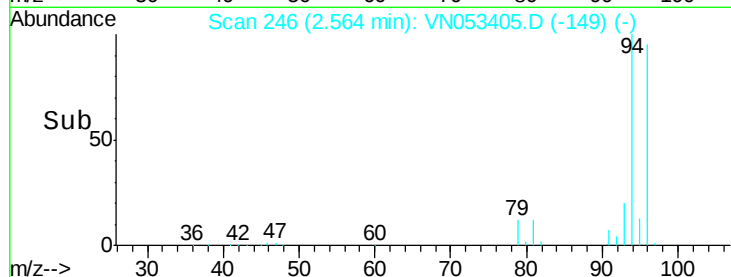
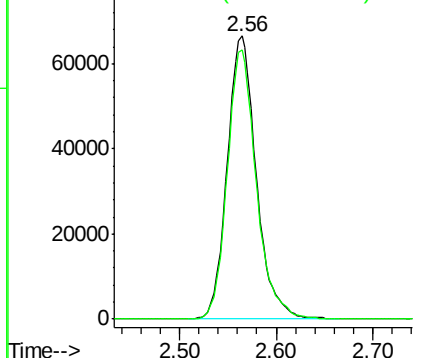
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.228 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053405.D

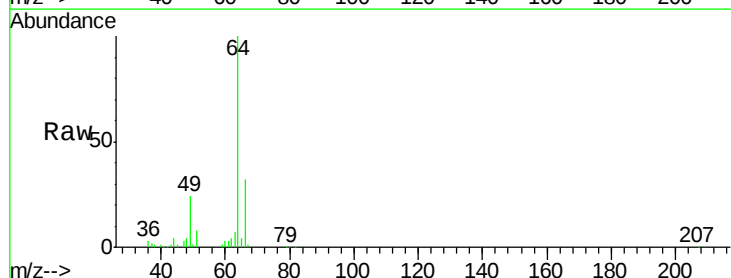
Acq: 15 Jan 2019 14:00

Tgt Ion: 64 Resp: 120480

Ion Ratio Lower Upper

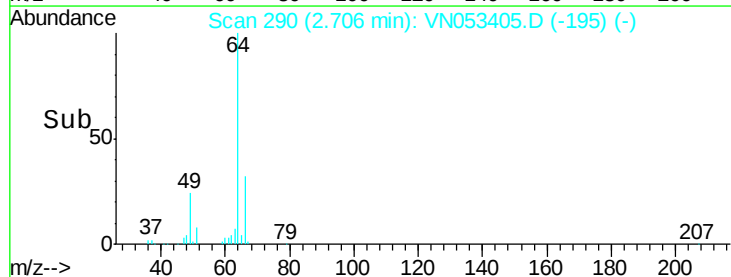
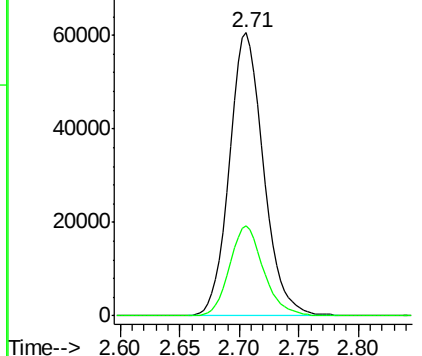
64 100

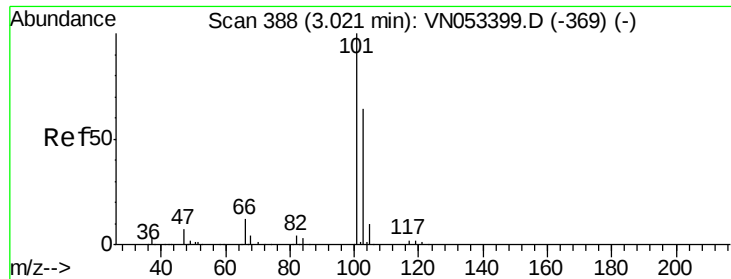
66 31.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

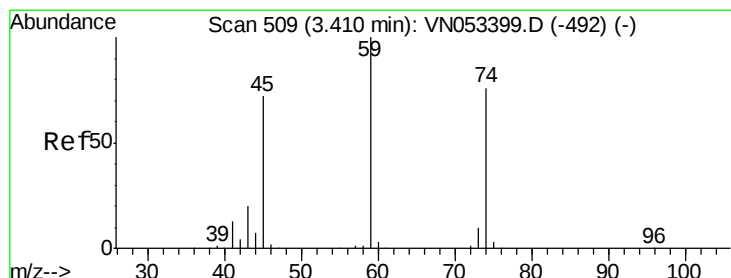
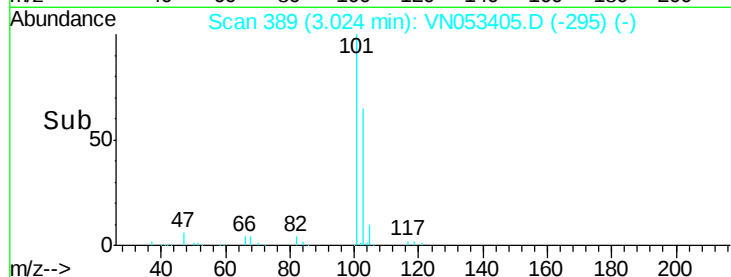
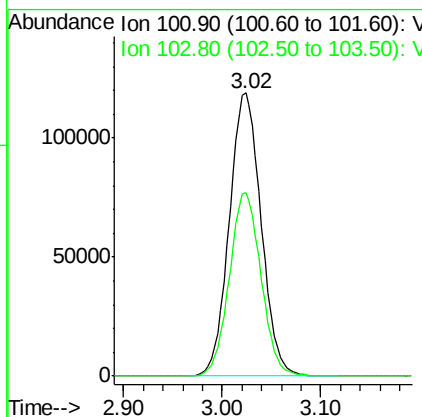
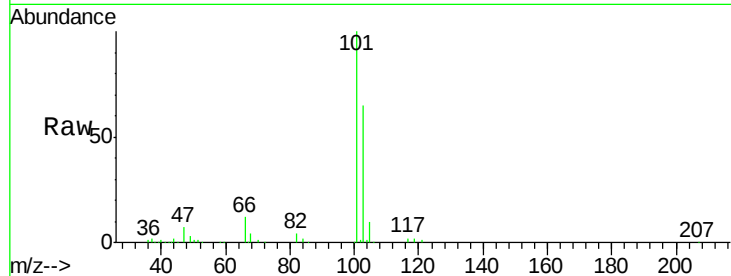
Trichlorofluoromethane
 Concen: 20.760 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

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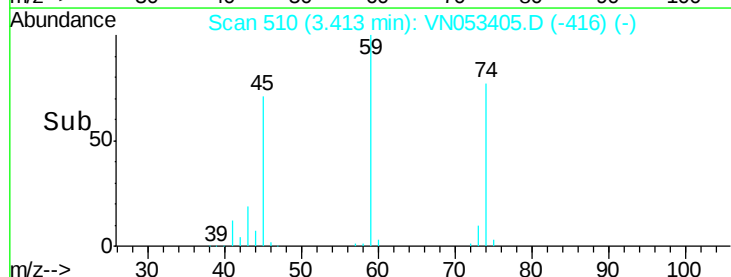
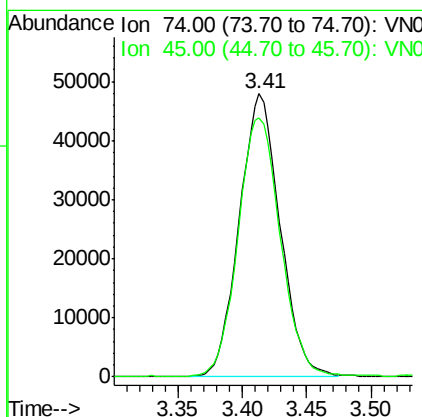
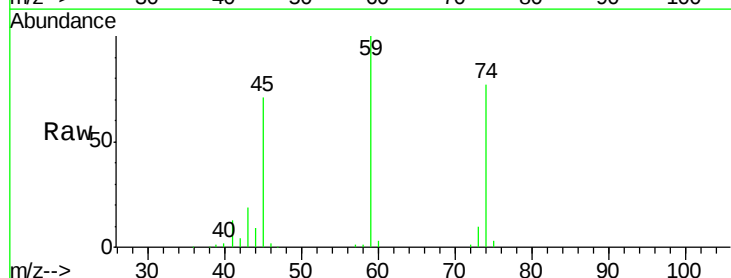
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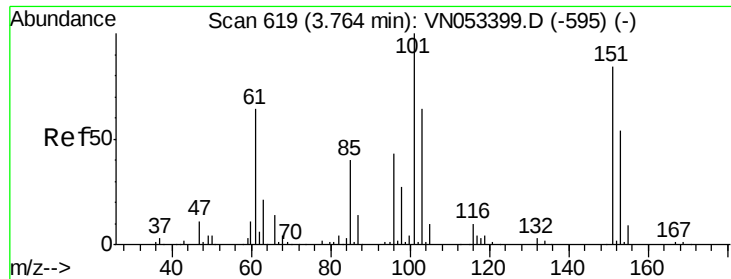


#8

Diethyl Ether
 Concen: 21.807 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.594 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

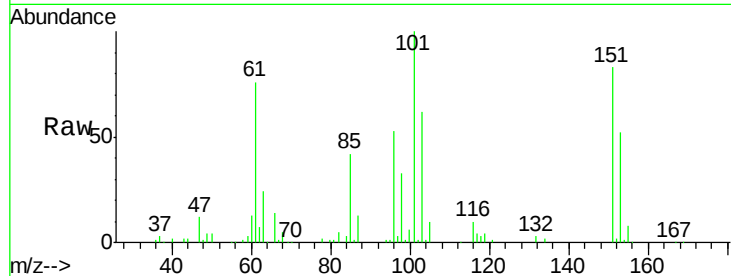
ClientSampled :

VN0115WBSD01

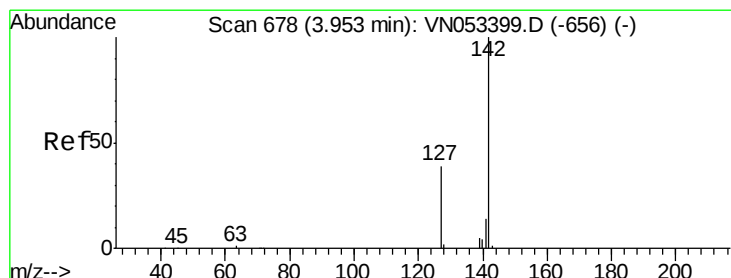
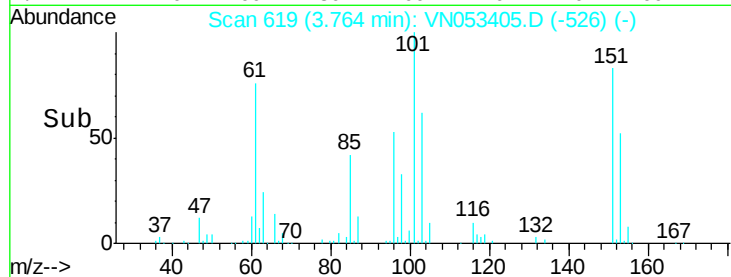
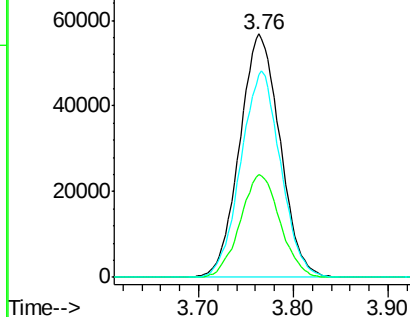
Tot Ion:	101	Resp:	168061
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.3	49.9
151	83.9	67.0	100.4

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



#10

Methyl Iodide

Concen: 20.255 ug/l

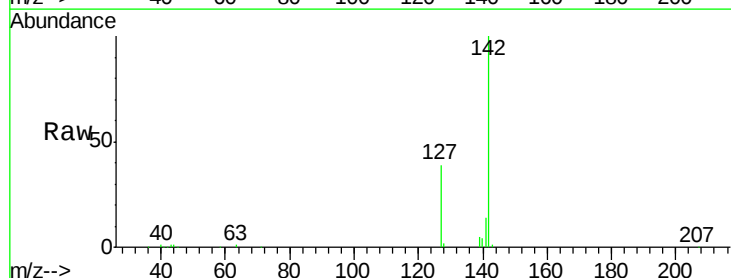
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

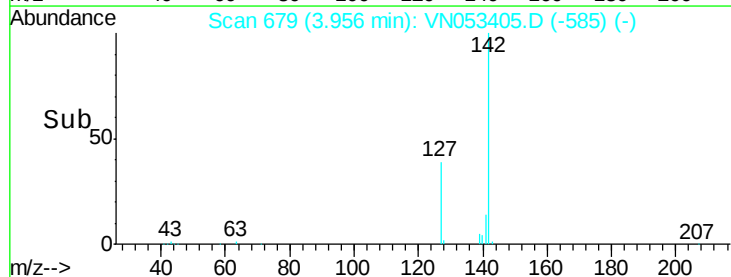
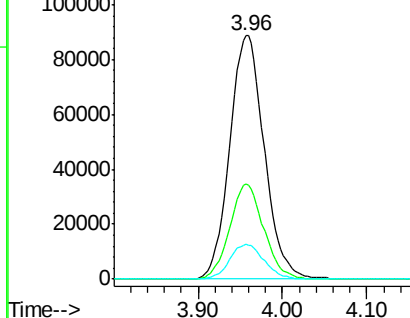
Lab File: VN053405.D

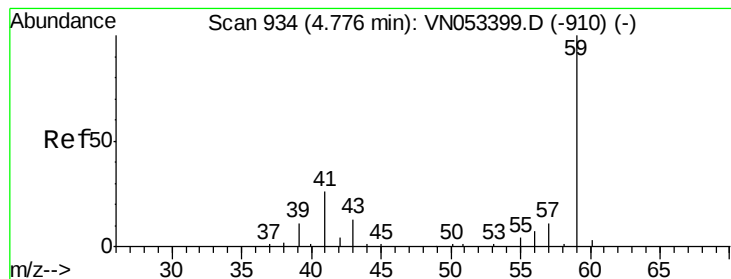
Acq: 15 Jan 2019 14:00

Tgt Ion:	142	Resp:	252597
Ion Ratio	Lower	Upper	
142	100		
127	38.5	30.9	46.3
141	14.2	11.2	16.8



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





#11

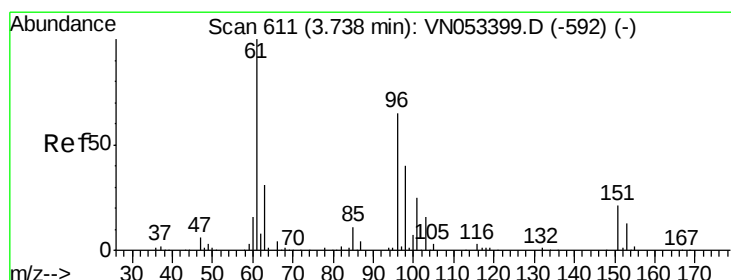
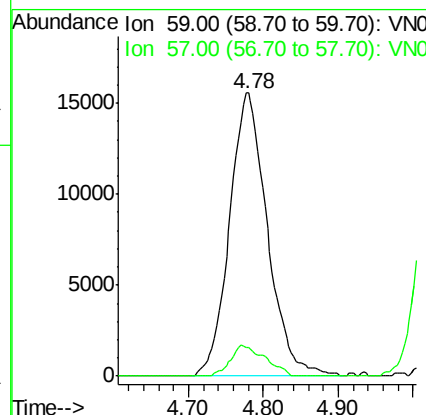
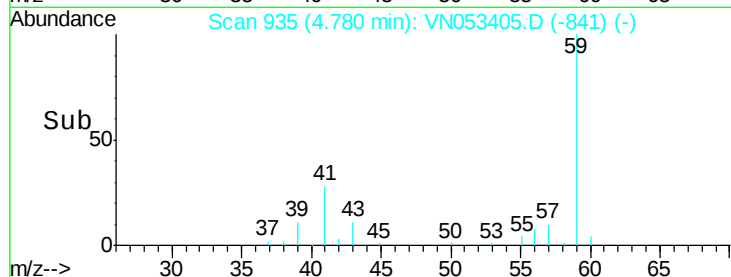
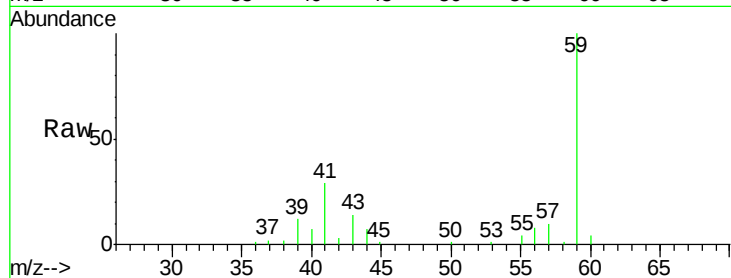
Tert butyl alcohol
Concen: 127.081 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

Manual Integrations
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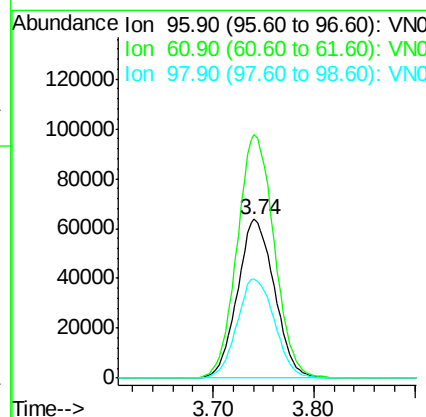
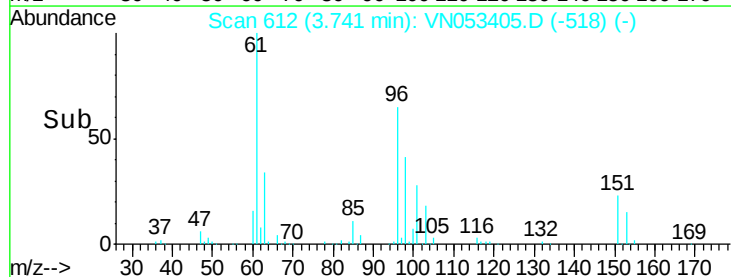
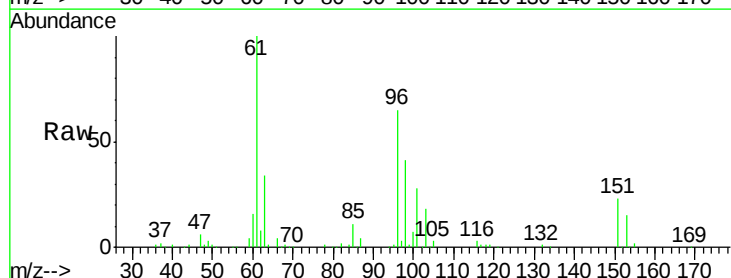
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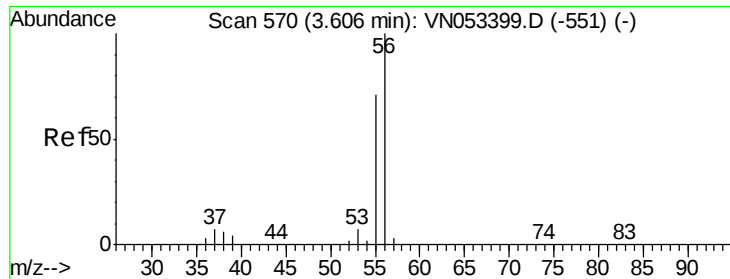


#12

1,1-Dichloroethene
Concen: 20.498 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	123.2	184.8
98	62.4	50.5	75.7





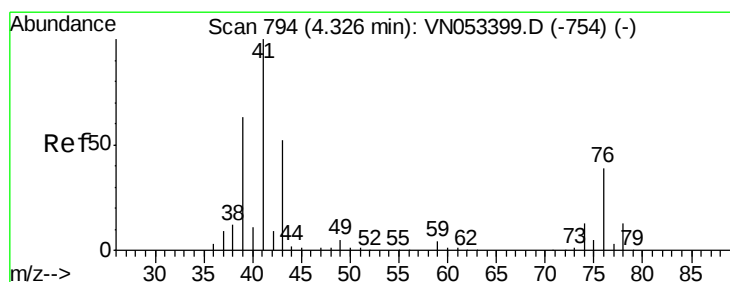
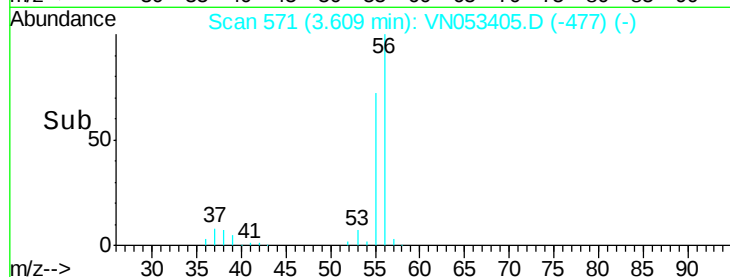
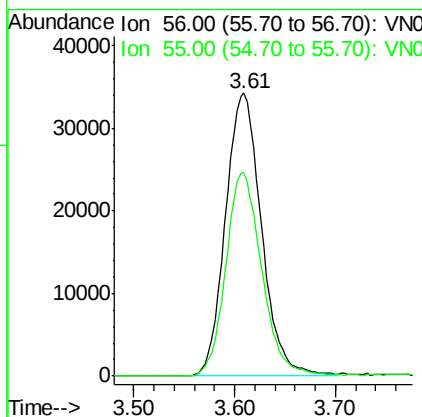
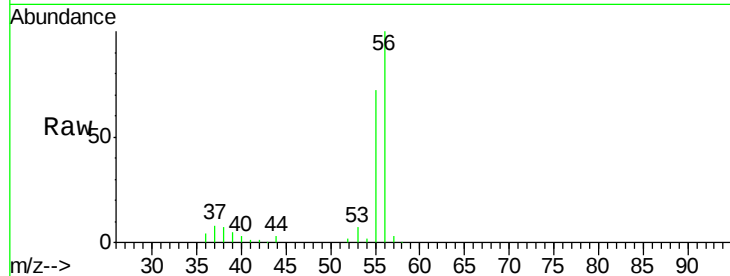
#13
Acrolein
Concen: 115.305 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
85438	100	71.5		56.3	84.5

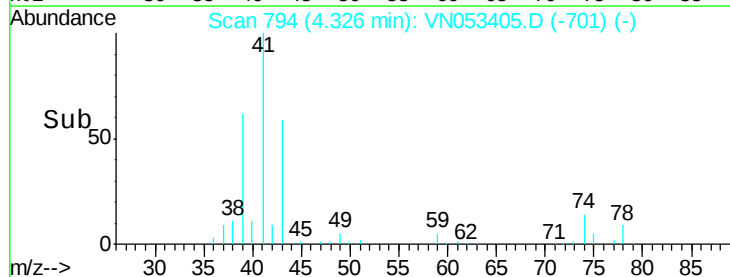
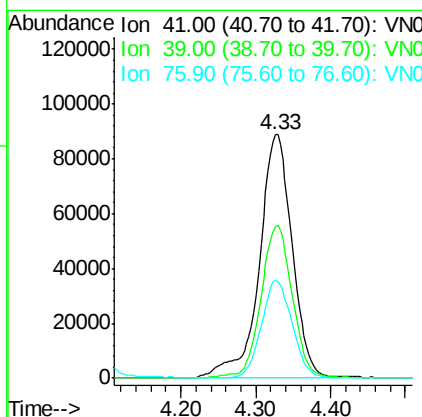
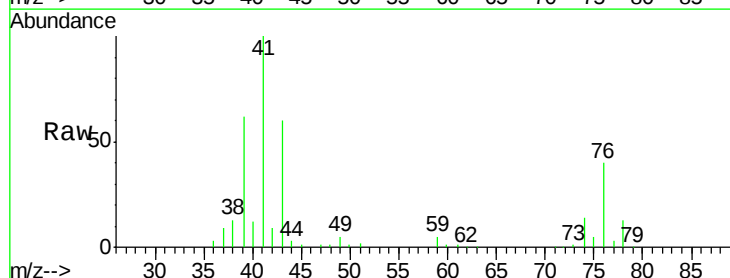
Manual Integrations
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#14
Allyl chloride
Concen: 21.189 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	41	39	76	Ratio	Lower	Upper
272430	100	59.6	37.5		51.9	77.9





#15

Acrylonitrile

Concen: 114.743 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

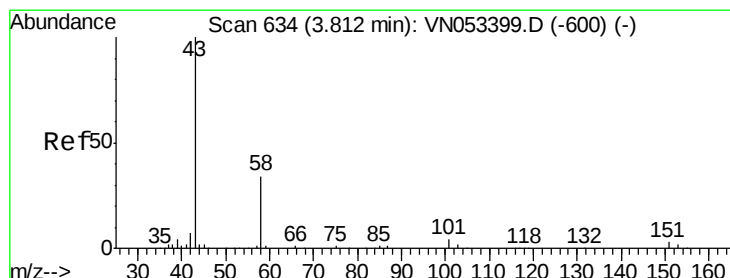
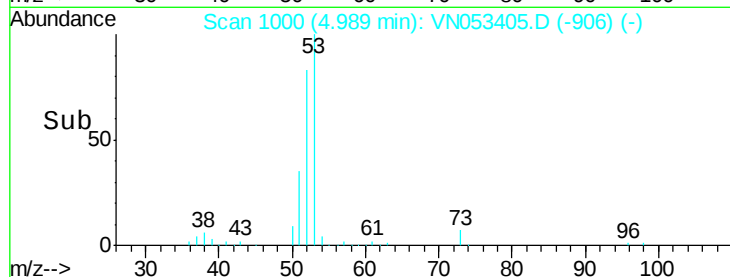
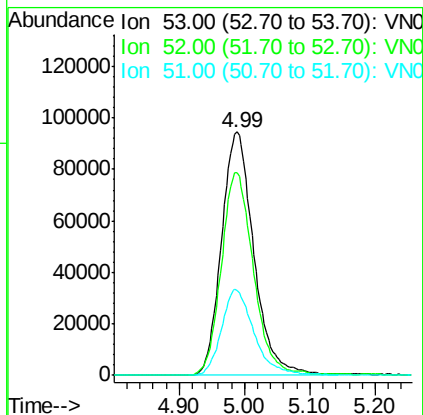
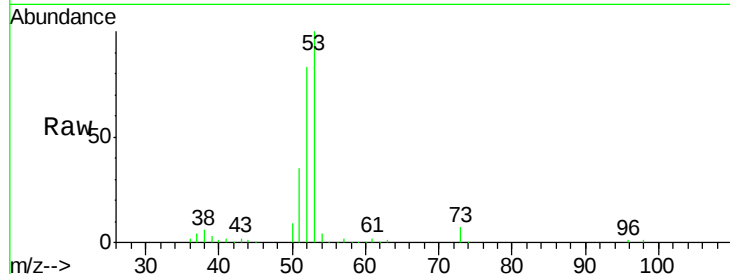
ClientSampleId :

VN0115WBSD01

Tot Ion:	53	Resp:	324696
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 105.935 ug/l

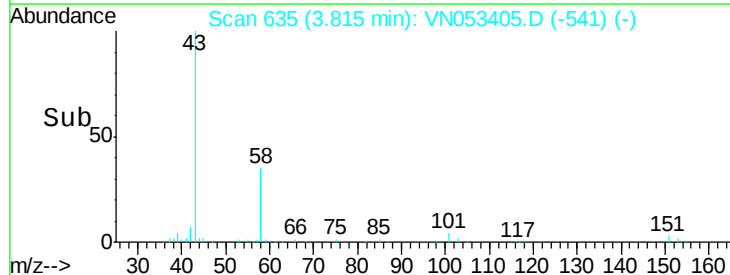
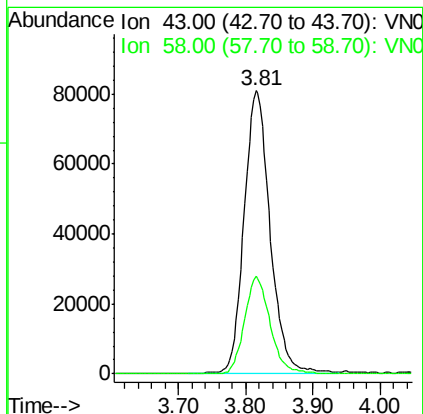
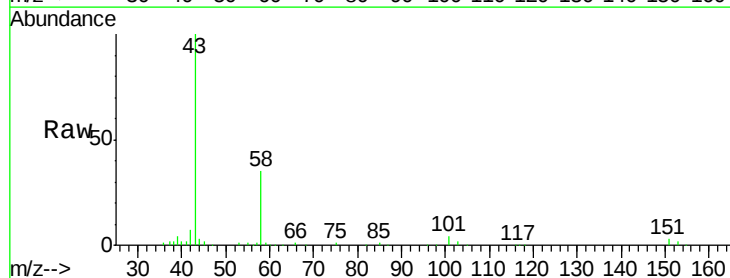
RT: 3.81 min Scan# 635

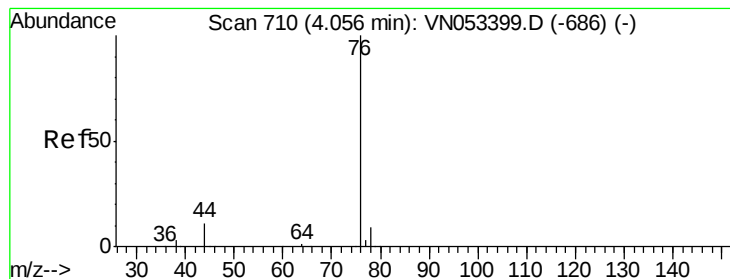
Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	43	Resp:	218405
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.8	41.6





#17

Carbon Disulfide

Concen: 20.126 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 76 Resp: 481757

Ion Ratio Lower Upper

76 100

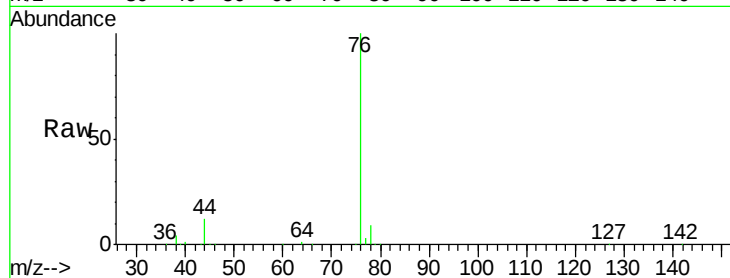
78 8.8 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

200000

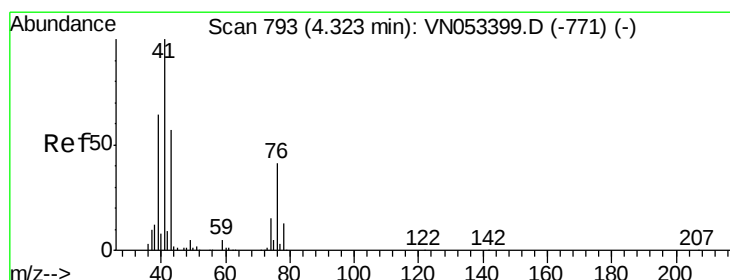
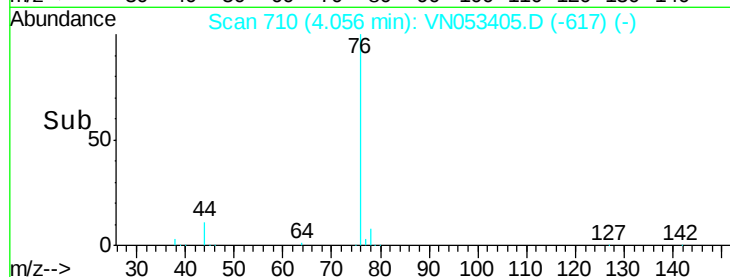
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.108 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053405.D

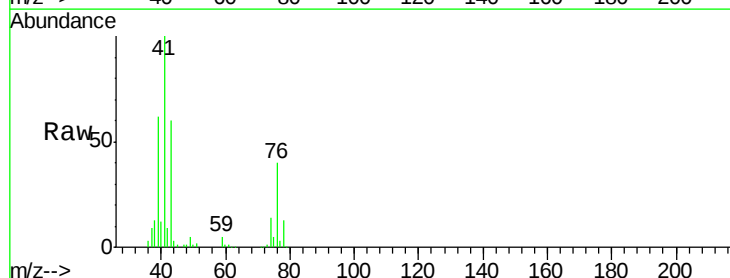
Acq: 15 Jan 2019 14:00

Tgt Ion: 43 Resp: 153562

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

60000

50000

40000

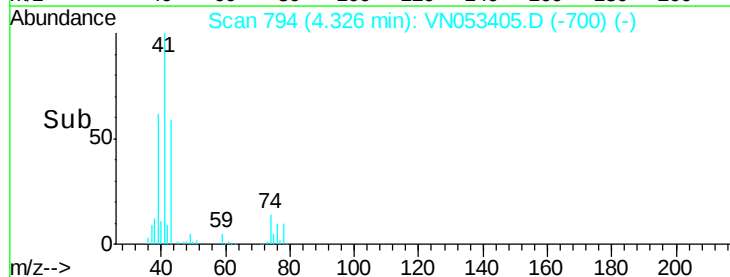
30000

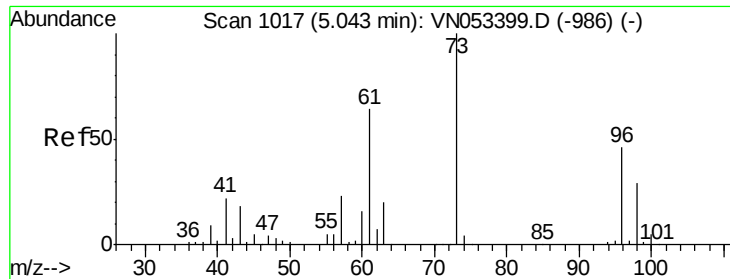
20000

10000

0

Time-->





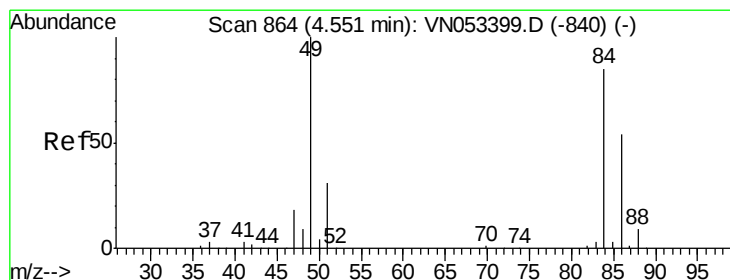
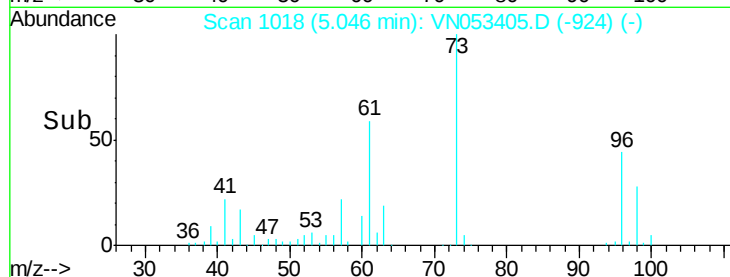
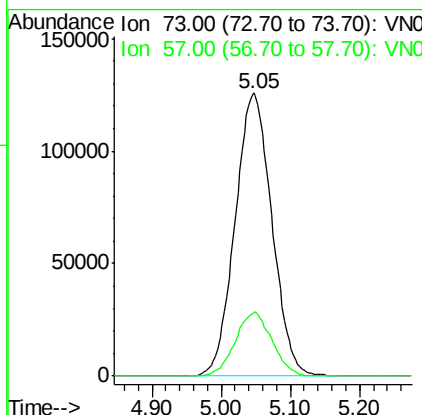
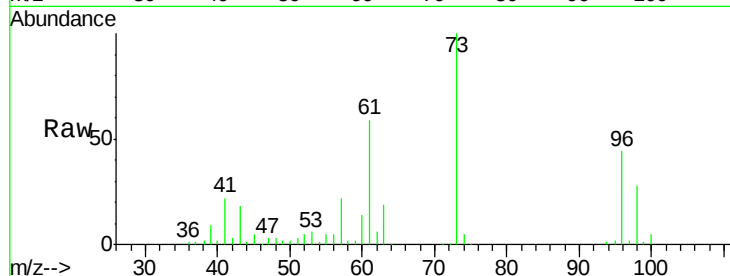
#19
Methyl tert-butyl Ether
Concen: 22.081 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion: 73 Resp: 464404
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7

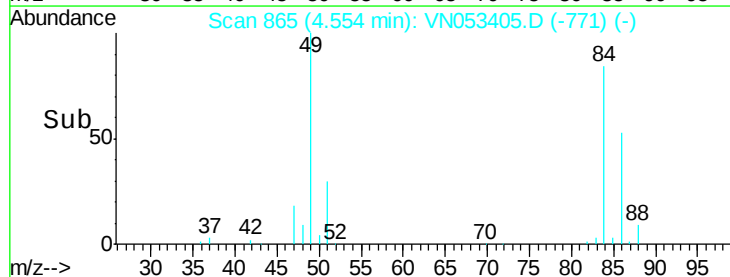
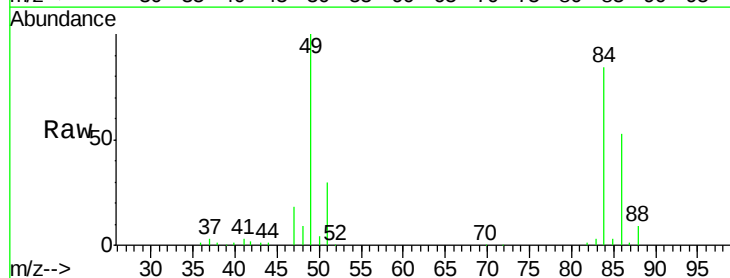
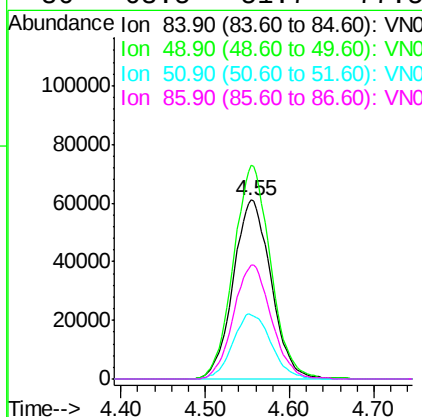
Manual Integrations
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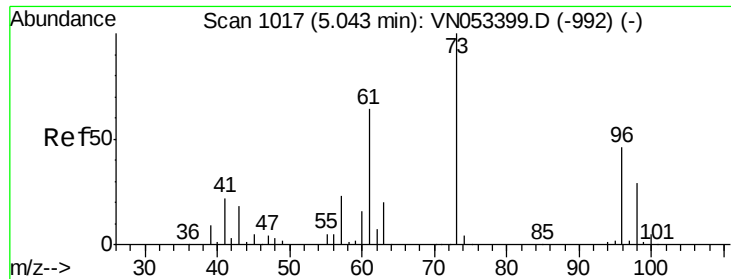
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#20
Methylene Chloride
Concen: 20.214 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 84 Resp: 190263
Ion Ratio Lower Upper
84 100
49 119.3 95.3 142.9
51 36.0 29.0 43.6
86 63.5 51.7 77.5





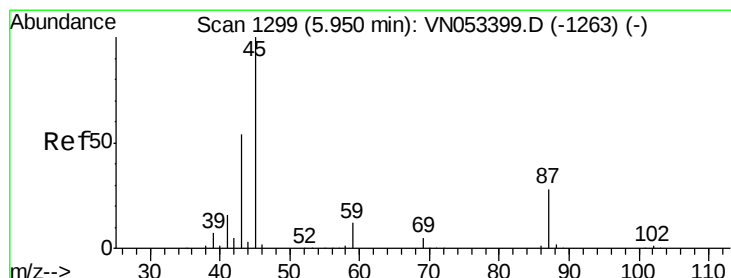
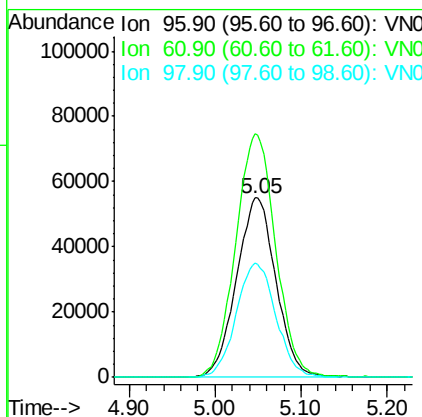
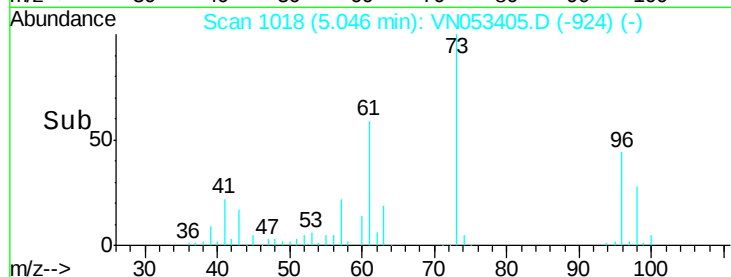
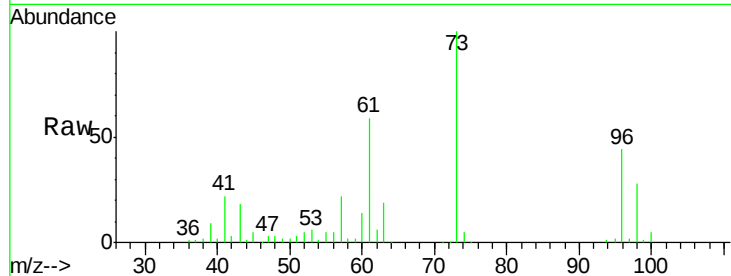
#21
trans-1,2-Dichloroethene
Concen: 20.772 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	110.2	165.4
98	63.5	50.7	76.1

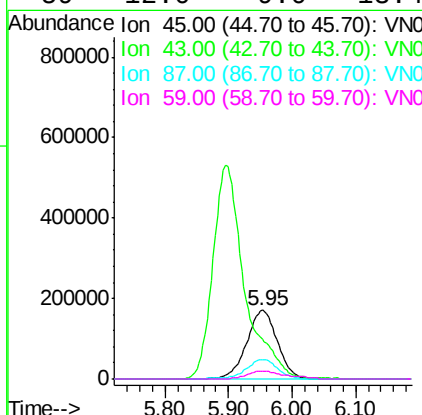
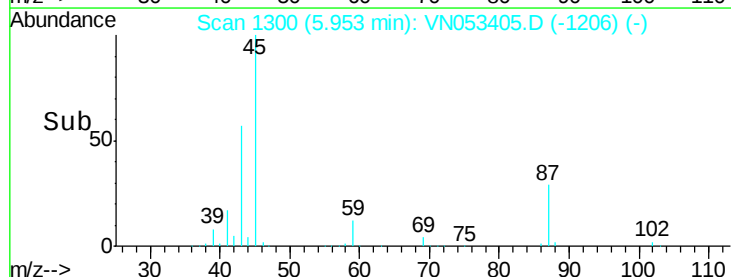
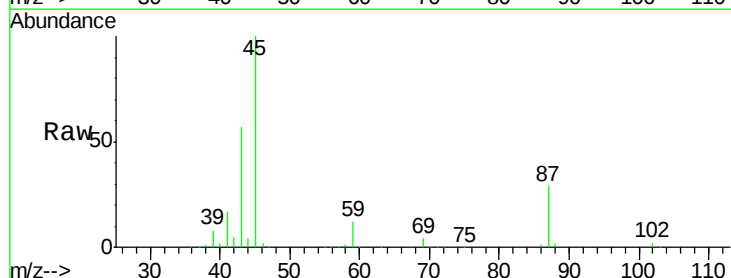
Manual Integrations
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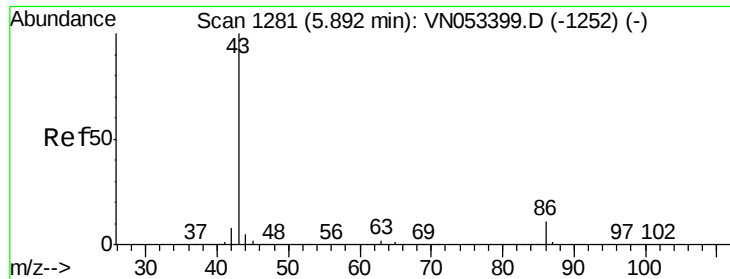
MMDadoda
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#22
Diisopropyl ether
Concen: 21.401 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	43.0	64.6
87	28.9	22.1	33.1
59	12.0	9.0	13.4





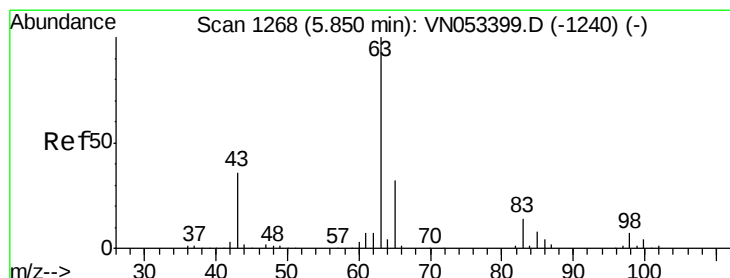
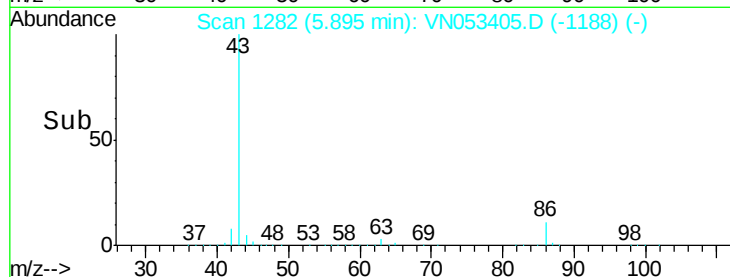
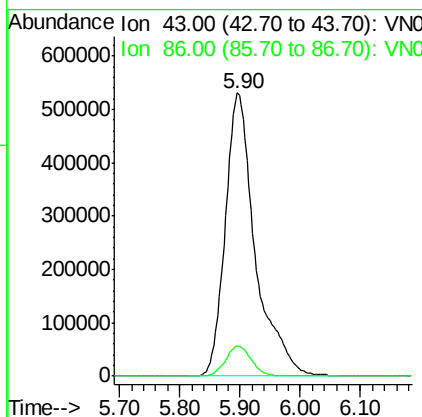
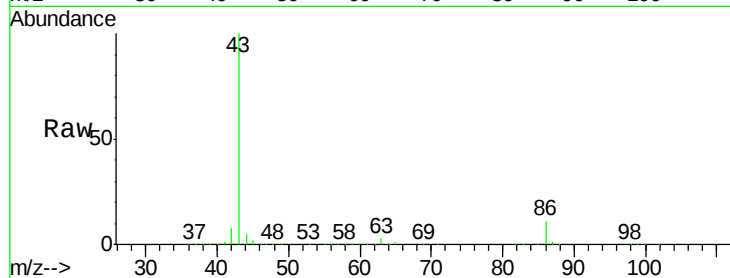
#23
 Vinyl Acetate
 Concen: 111.460 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion: 43 Resp: 1838995
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6

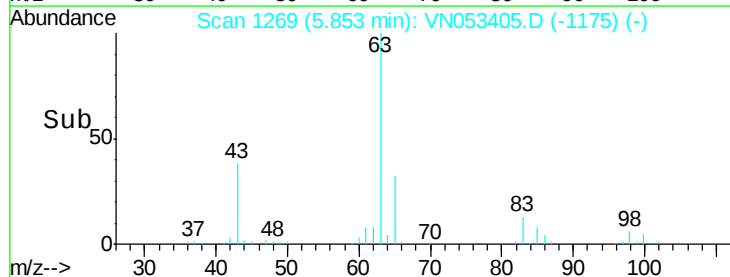
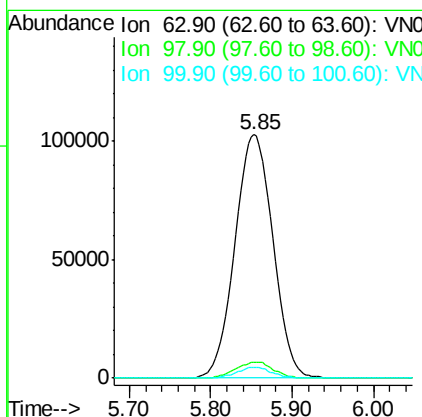
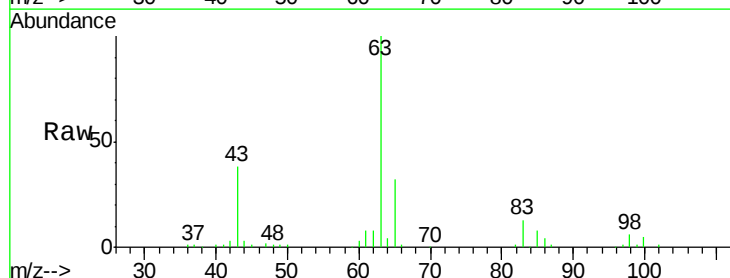
Manual Integrations
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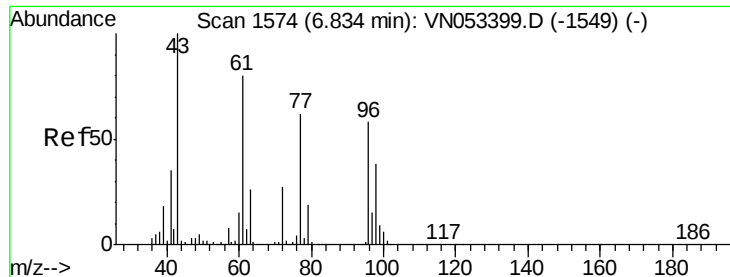
MMDadoda
 1/16/2019 9:51:30 AM



#24
 1,1-Dichloroethane
 Concen: 20.912 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 63 Resp: 331811
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 114.907 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 43 Resp: 365069

Ion Ratio Lower Upper

43 100

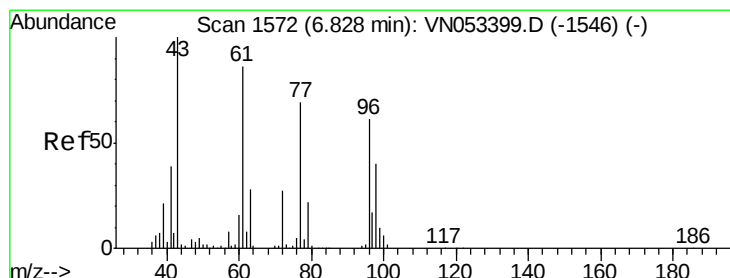
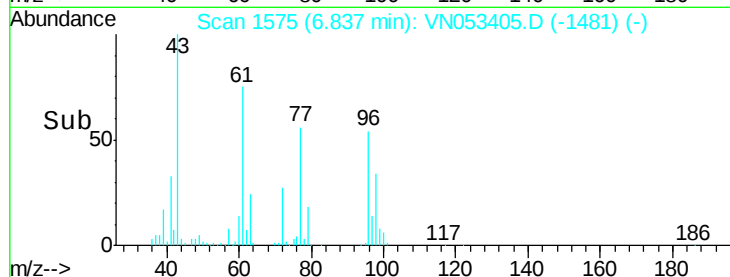
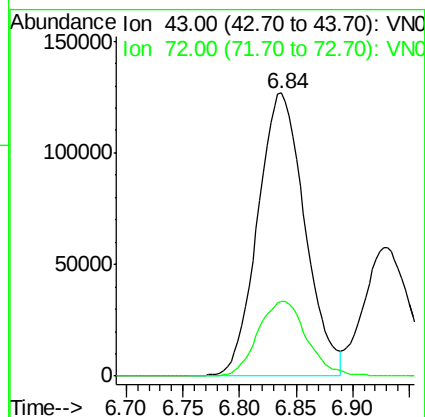
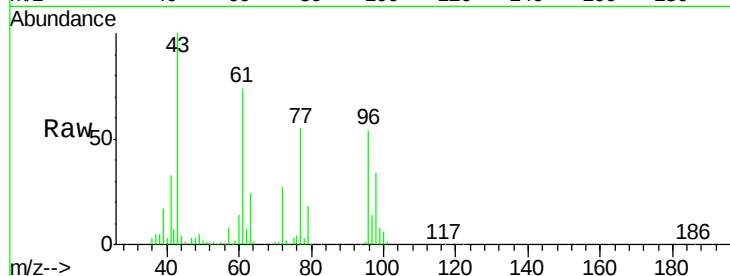
72 26.6 22.0 33.0

Manual Integrations

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MMDadoda

1/16/2019 9:51:30 AM



#26

2,2-Dichloropropane

Concen: 20.589 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053405.D

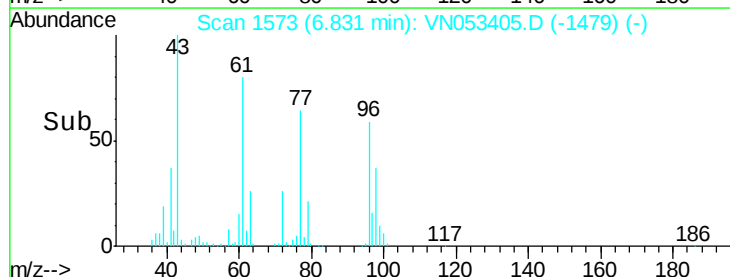
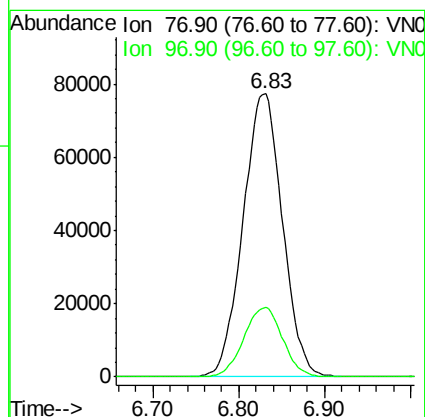
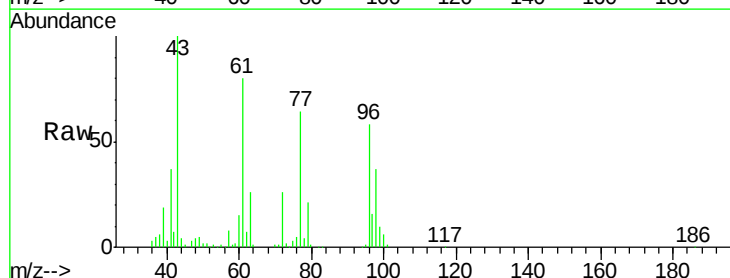
Acq: 15 Jan 2019 14:00

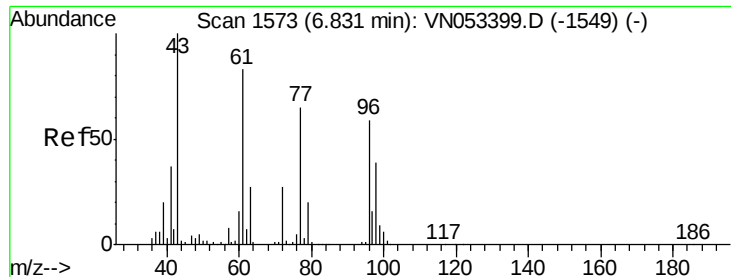
Tgt Ion: 77 Resp: 246656

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.213 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

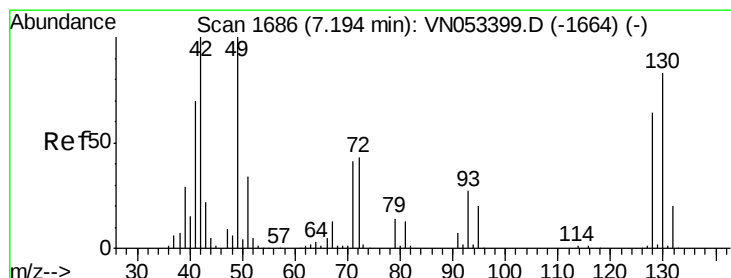
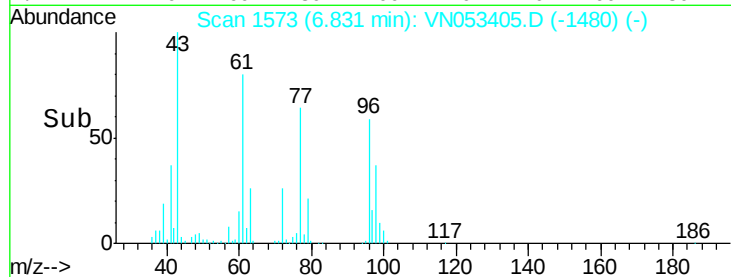
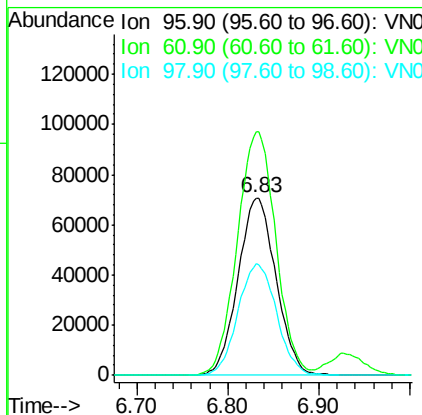
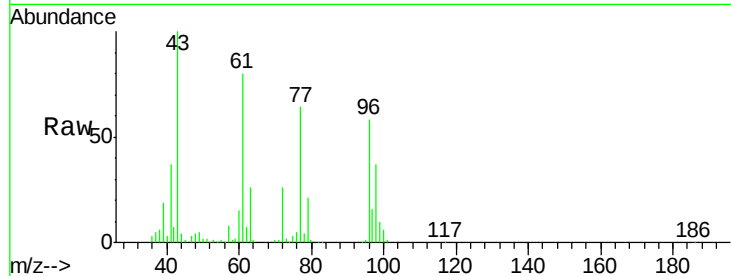
ClientSampleId :

VN0115WBSD01

Tot Ion:	96	Resp:	205272
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	280.6
98	63.9	0.0	127.6

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#28

Bromochloromethane

Concen: 21.471 ug/l

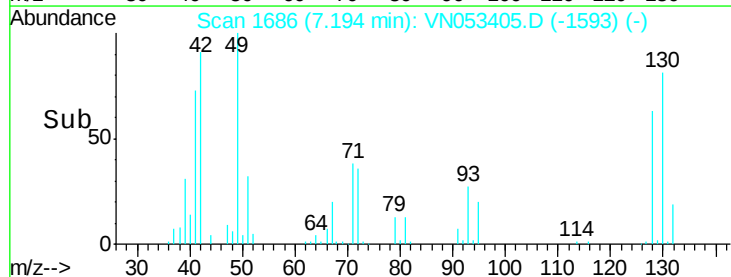
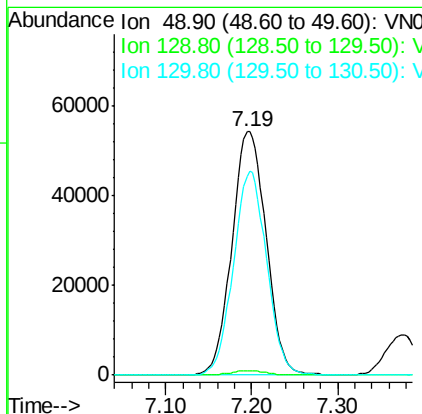
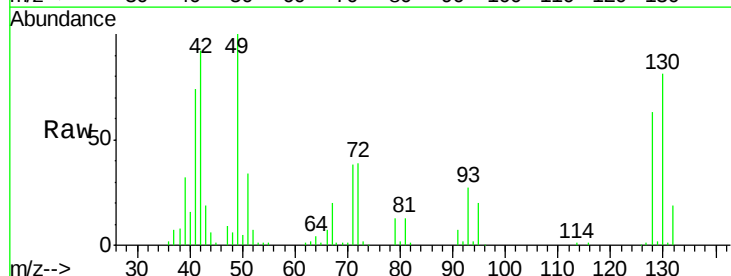
RT: 7.19 min Scan# 1686

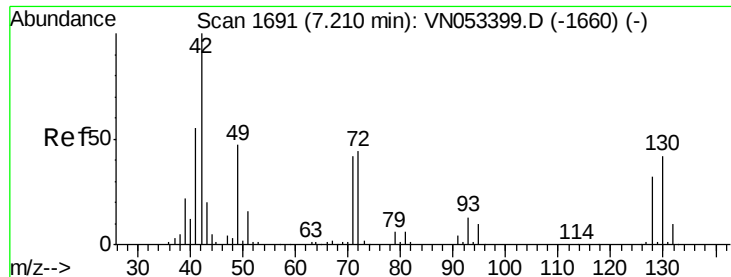
Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	49	Resp:	150084
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	81.3	65.4	98.0





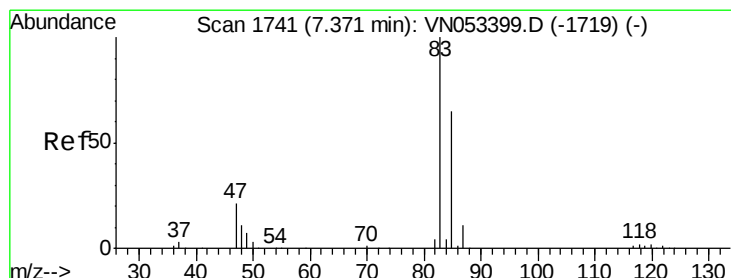
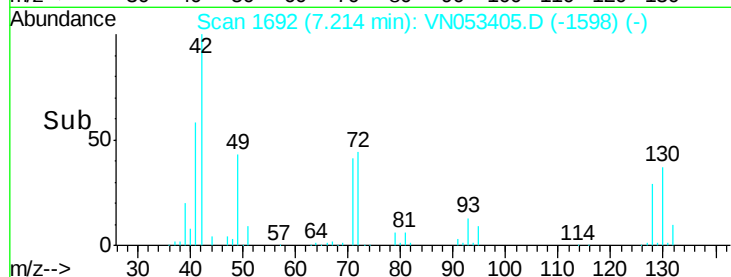
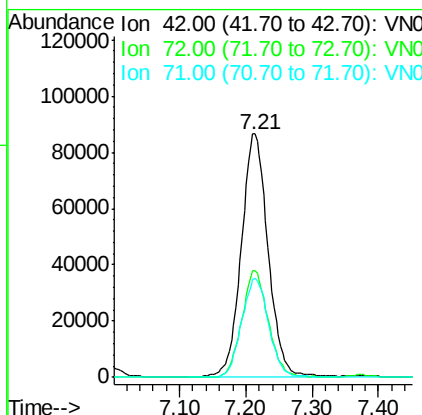
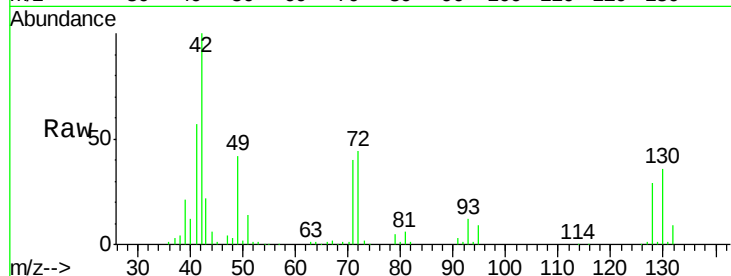
#29
Tetrahydrofuran
Concen: 117.979 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.6	53.4
71	40.6	33.8	50.8

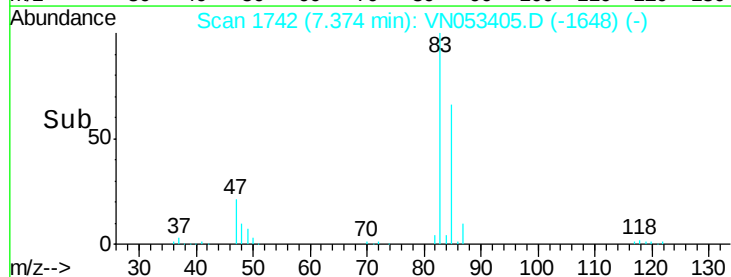
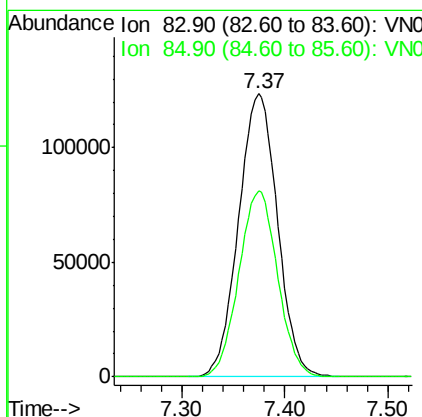
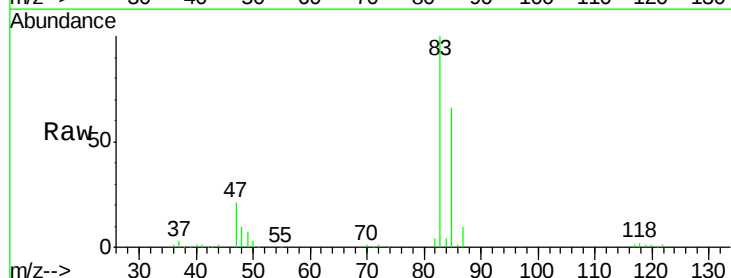
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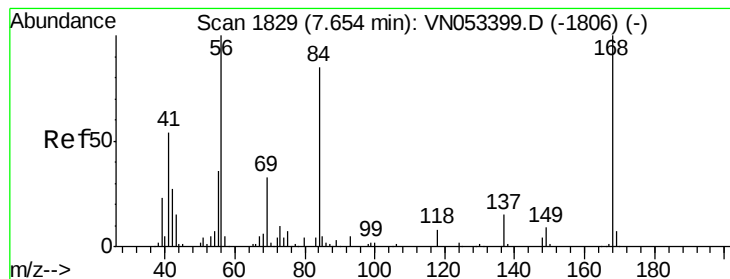
MMDadoda
1/16/2019 9:51:30 AM



#30
Chloroform
Concen: 20.975 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





#31

Cyclohexane

Concen: 20.605 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

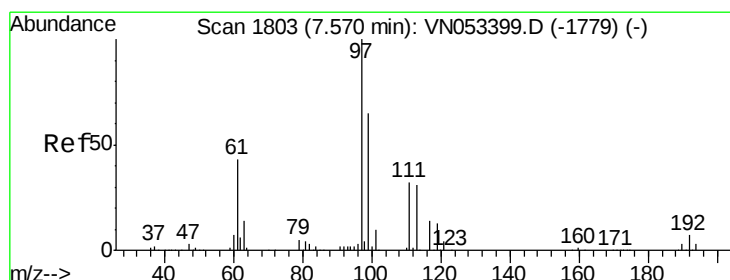
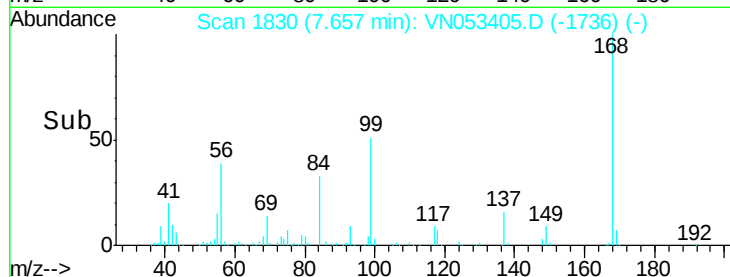
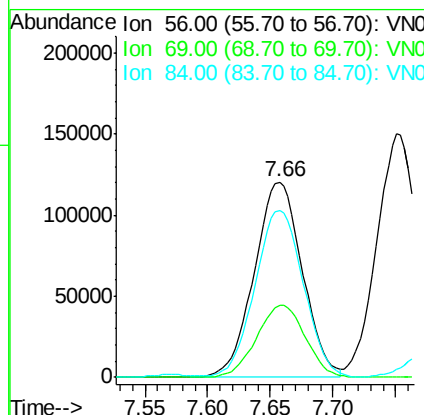
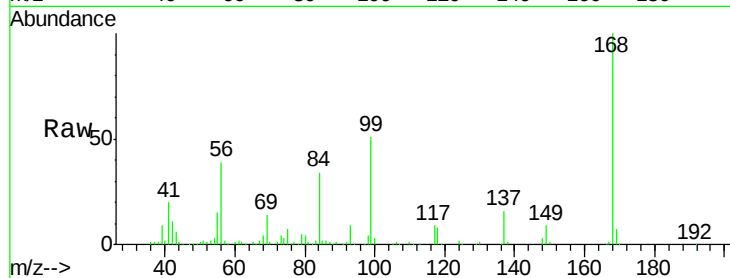
ClientSampleId :

VN0115WBSD01

Tot Ion:	56	Resp:	320208
Ion	Ratio	Lower	Upper
56	100		
69	36.8	26.7	40.1
84	84.4	68.2	102.4

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#32

1,1,1-Trichloroethane

Concen: 20.509 ug/l

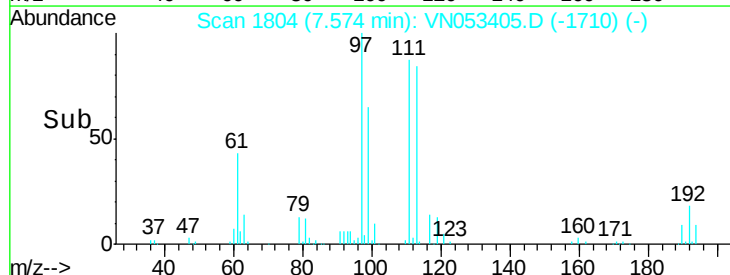
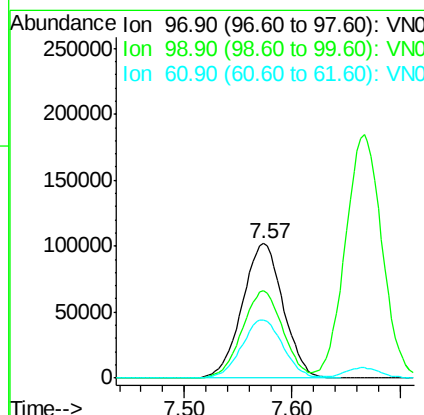
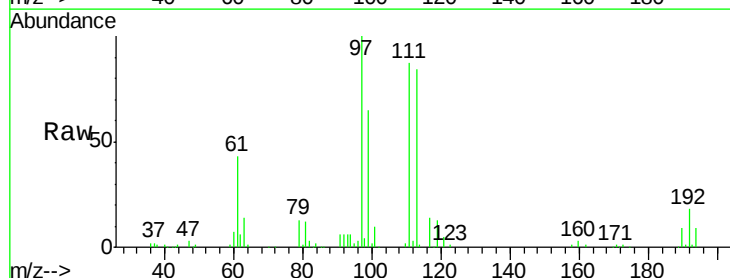
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	97	Resp:	268950
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	43.7	34.6	52.0





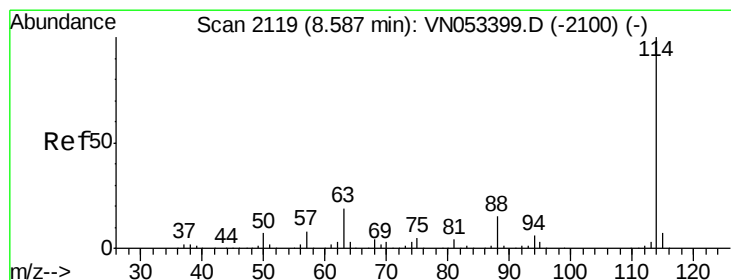
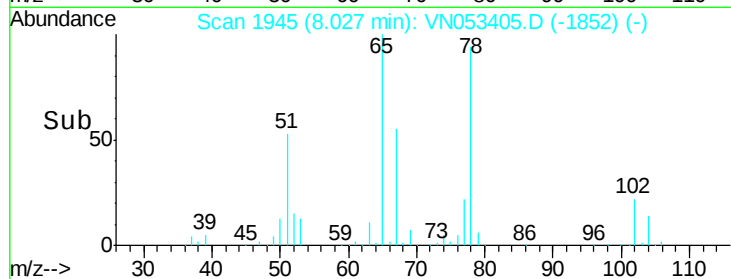
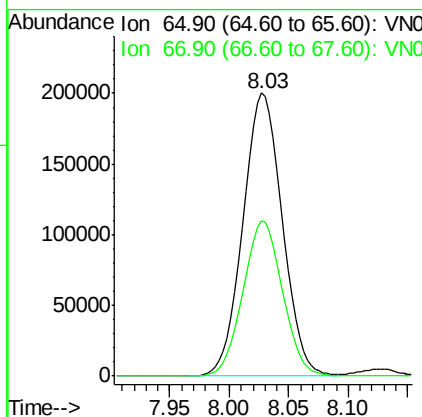
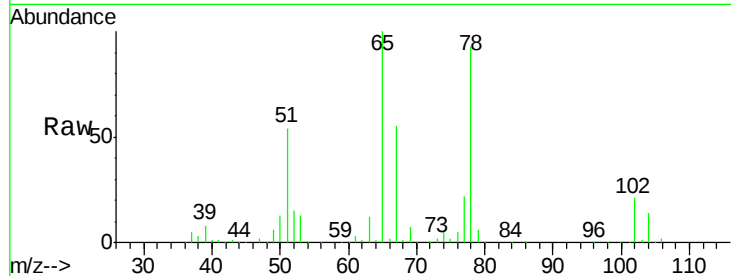
#33
 1,2-Dichloroethane-d4
 Concen: 20.509 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion: 65 Resp: 459299
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.0

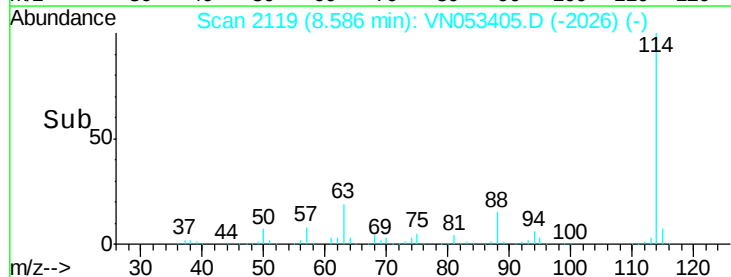
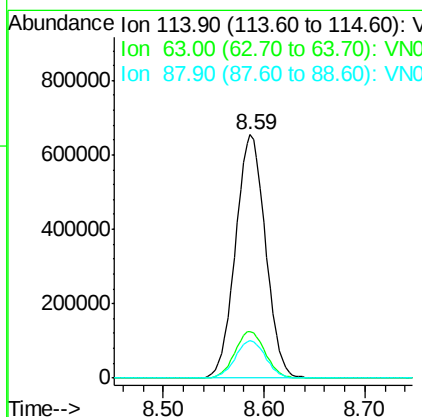
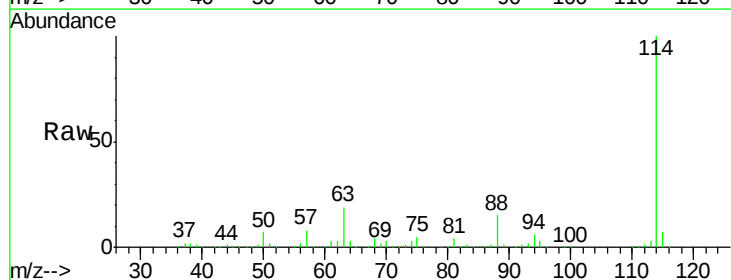
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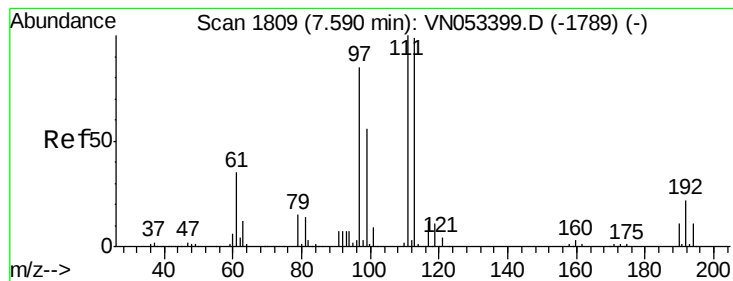
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 114 Resp: 1347333
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

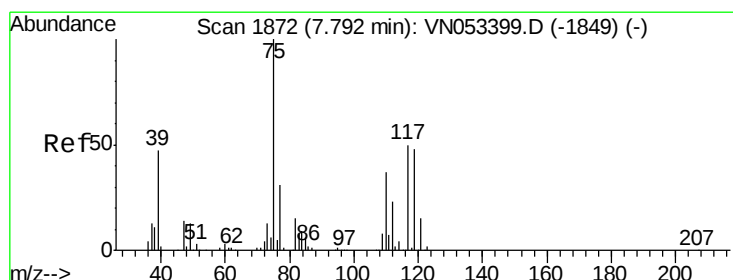
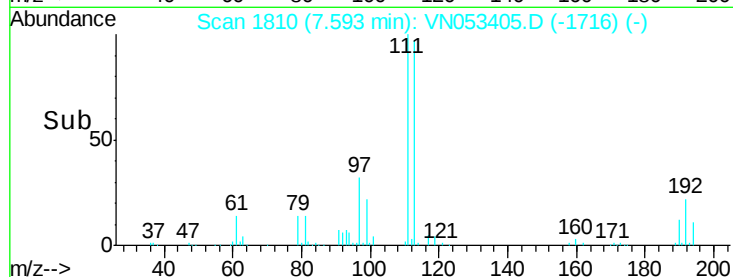
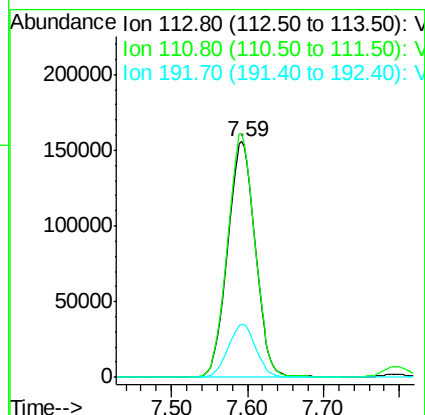
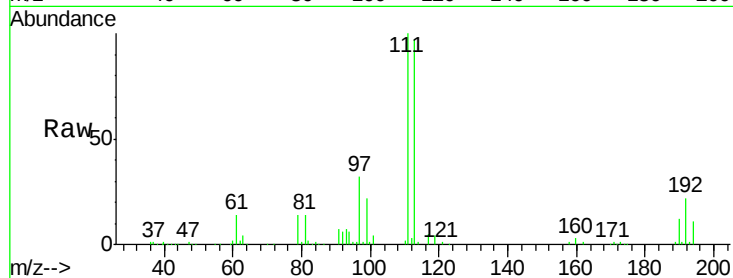
ClientSampleId :

VN0115WBSD01

Tot Ion:	113	Resp:	395987
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.4	122.2
192	22.5	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 20.334 ug/l

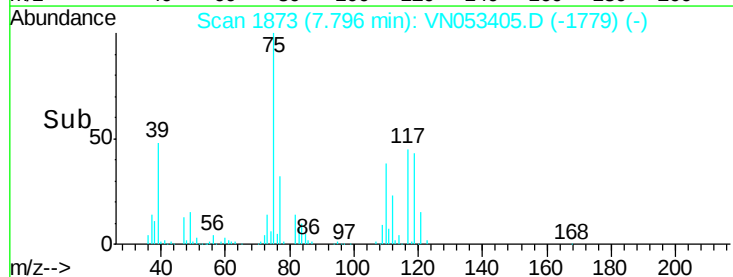
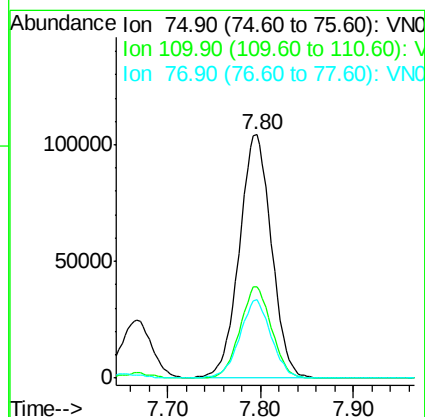
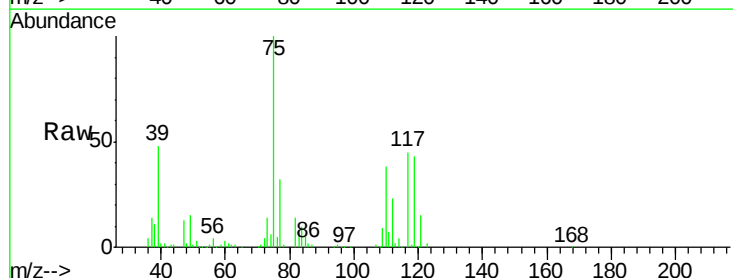
RT: 7.80 min Scan# 1873

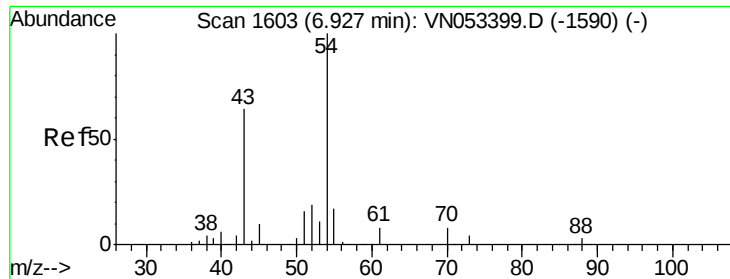
Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	75	Resp:	249502
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.4	55.0
77	31.6	25.3	37.9





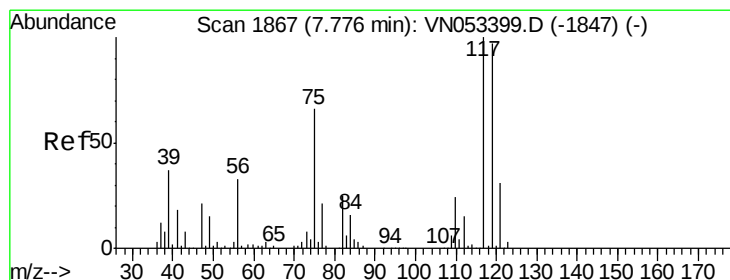
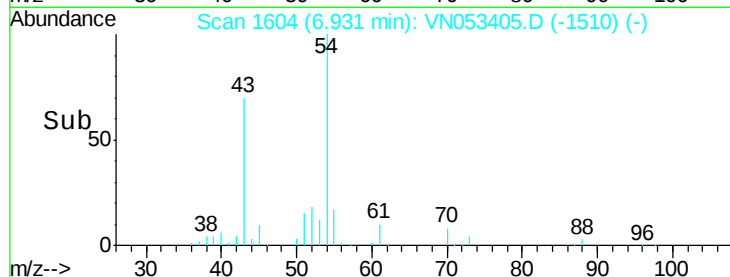
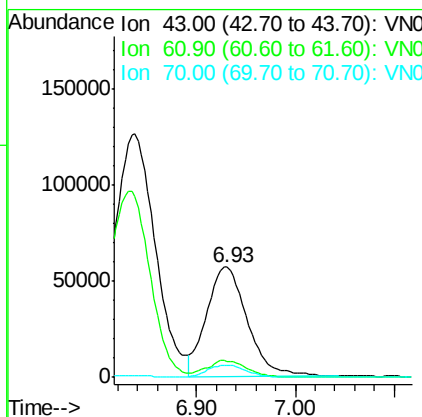
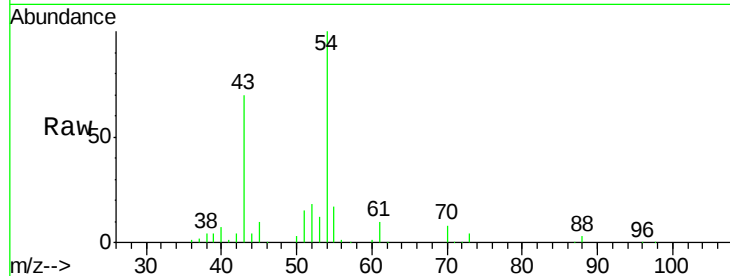
#37
Ethyl Acetate
Concen: 22.985 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	10.9	8.6	13.0

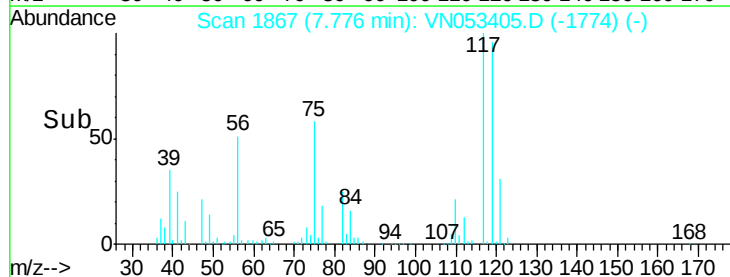
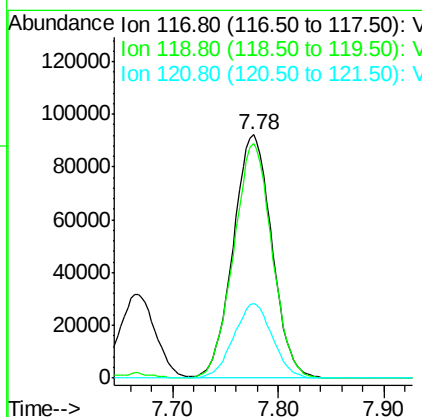
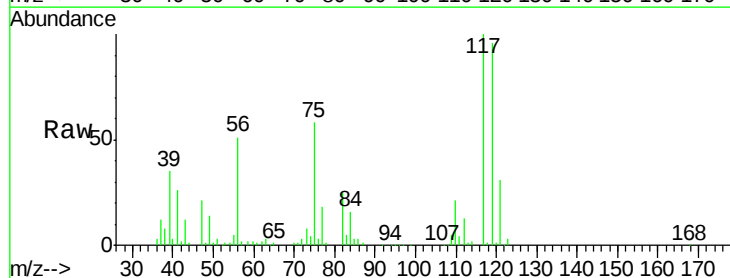
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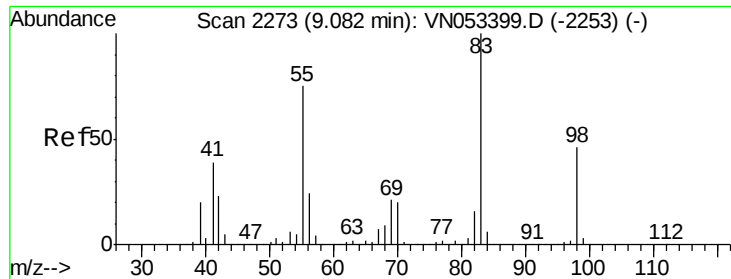
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#38
Carbon Tetrachloride
Concen: 20.262 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	115.0
121	30.6	25.0	37.4





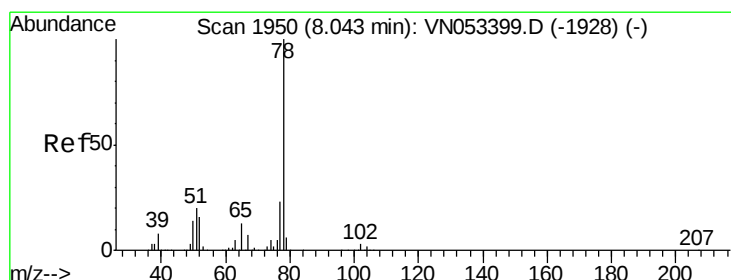
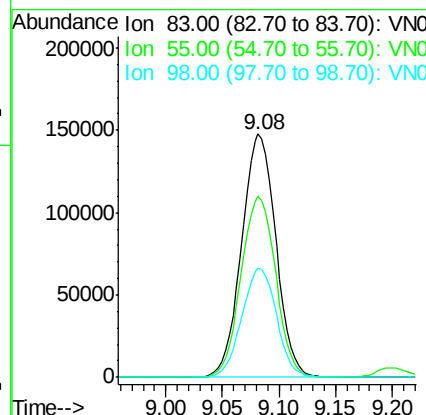
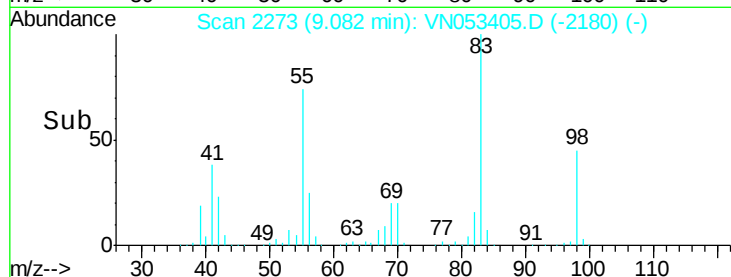
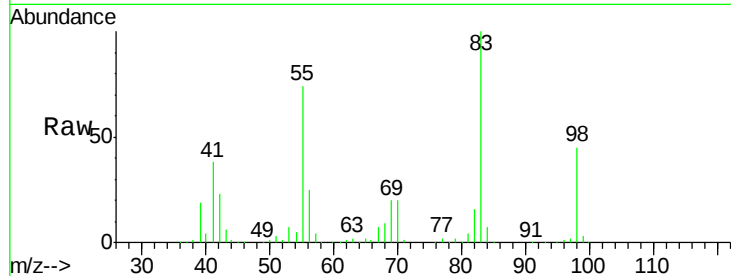
#39
Methvlcvclohexane
Concen: 20.546 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	60.1	90.1
98	44.8	36.7	55.1

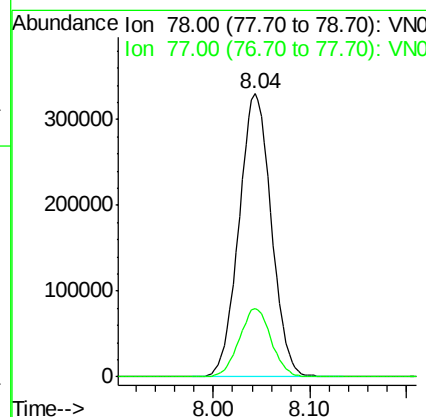
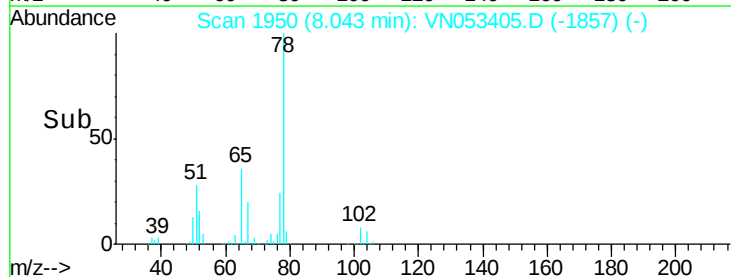
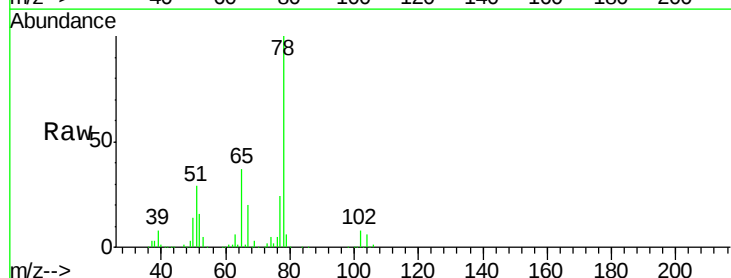
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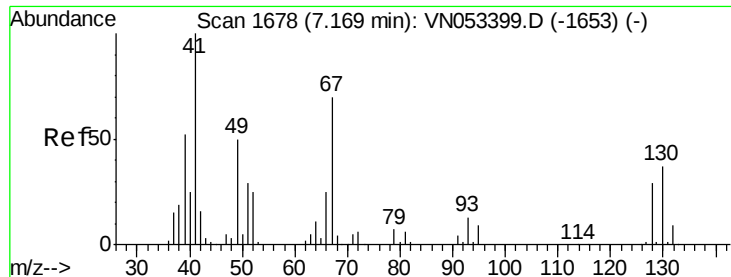
MMDadoda
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#40
Benzene
Concen: 20.599 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





#41

Methacrylonitrile

Concen: 20.423 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 41 Resp: 89893

Ion Ratio Lower Upper

41 100

39 58.1 0.0 0.0#

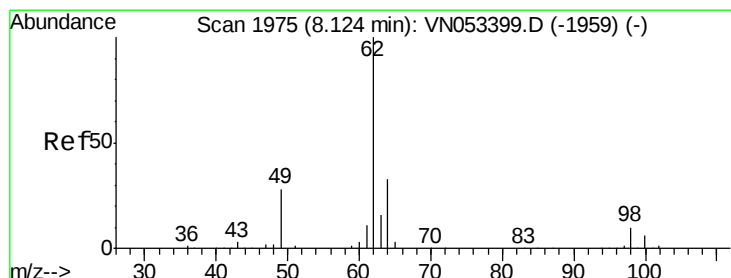
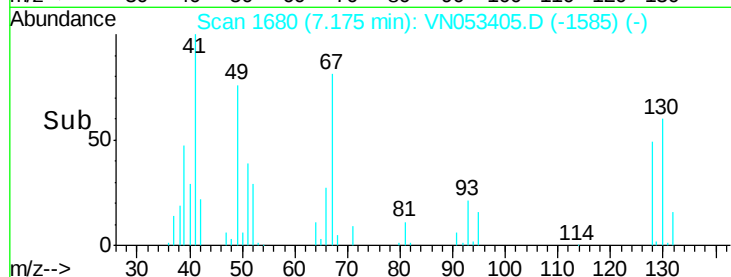
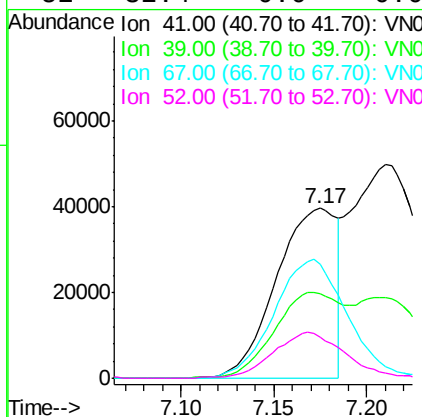
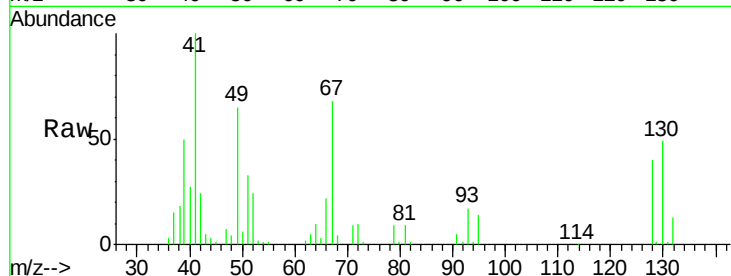
67 85.0 0.0 0.0#

52 32.4 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 20.982 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053405.D

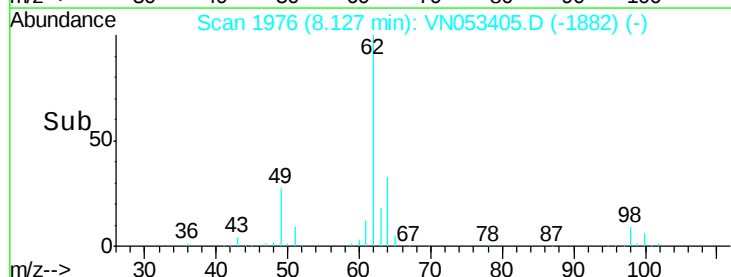
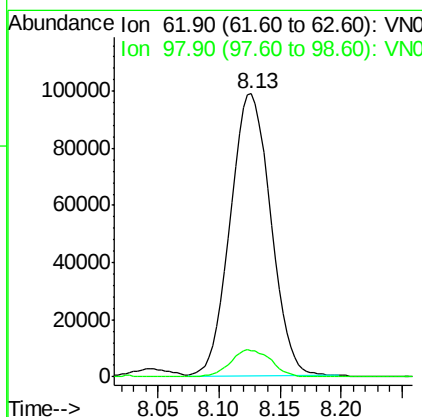
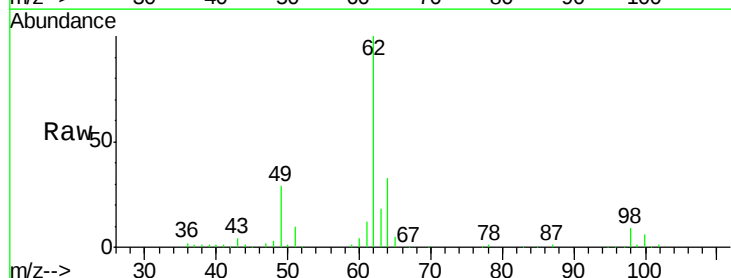
Acq: 15 Jan 2019 14:00

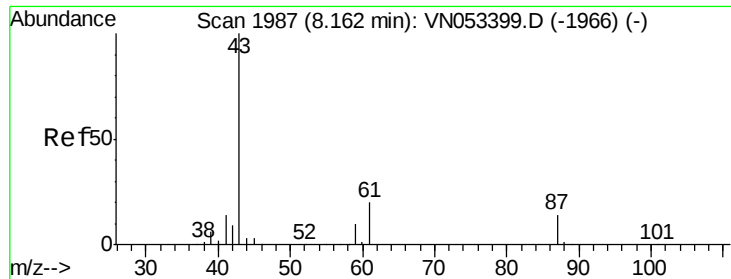
Tgt Ion: 62 Resp: 227921

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.2





#43

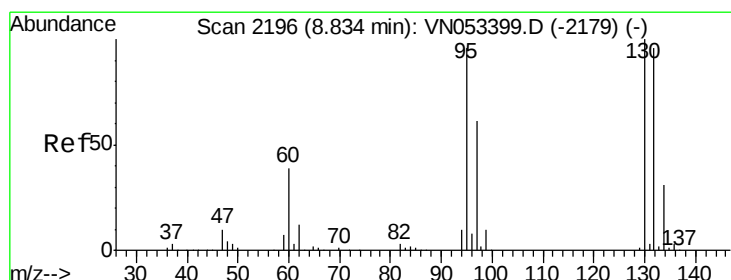
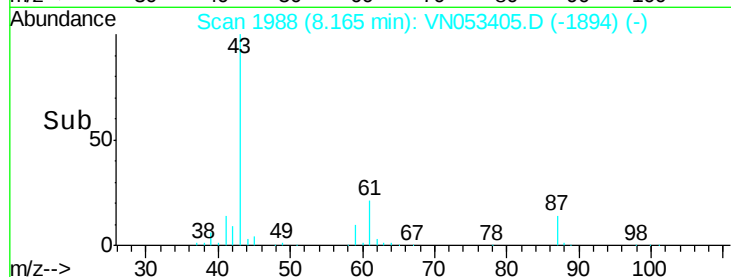
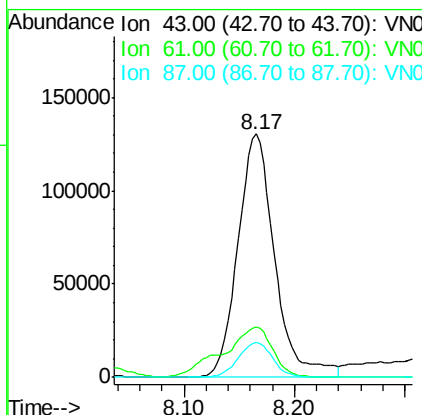
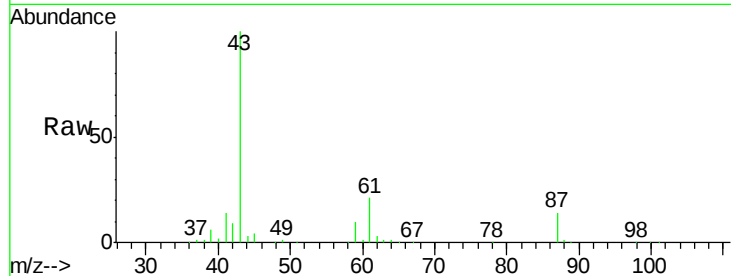
Isopropyl Acetate
 Concen: 22.678 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	23.3	34.9
87	13.4	10.8	16.2

Manual Integrations
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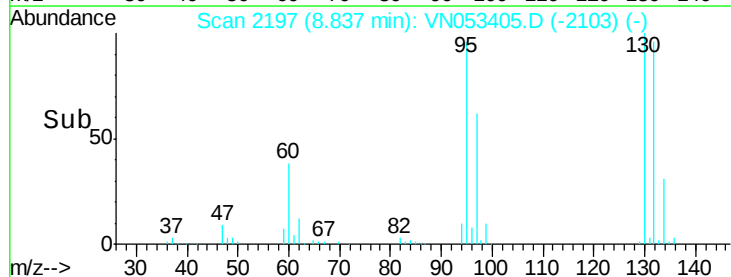
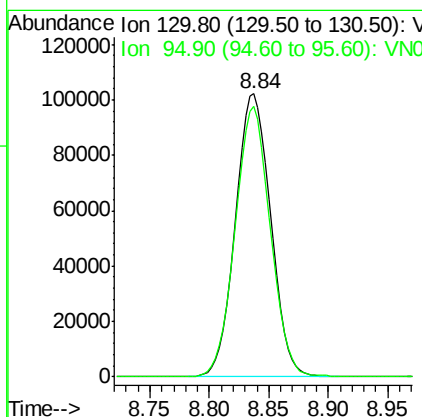
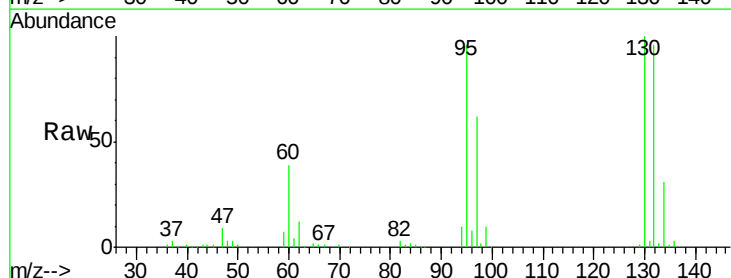
MMDadoda
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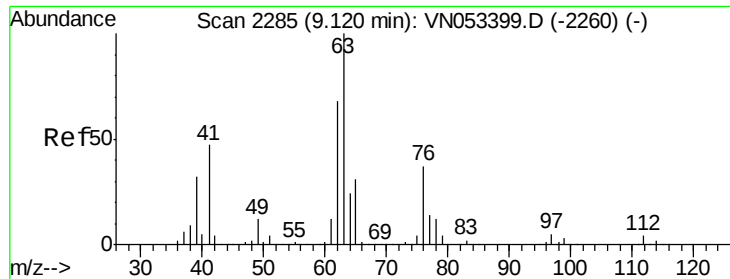


#44

Trichloroethene
 Concen: 20.322 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.8





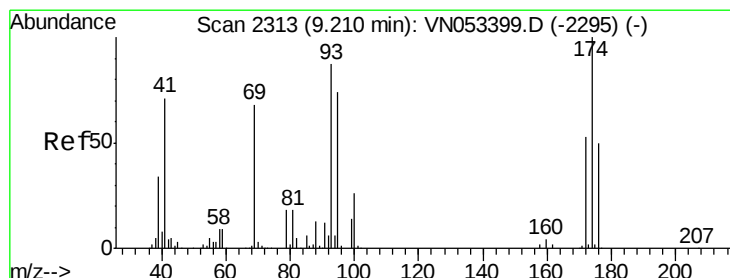
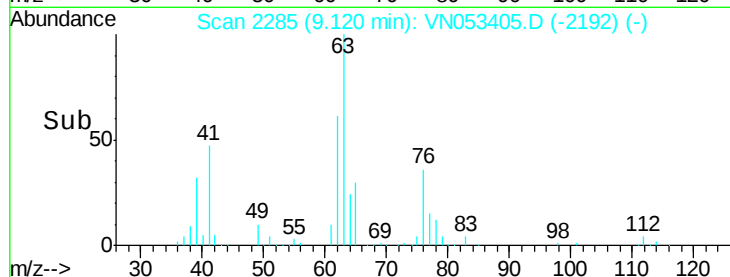
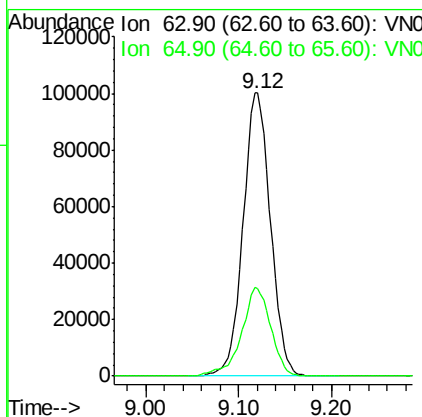
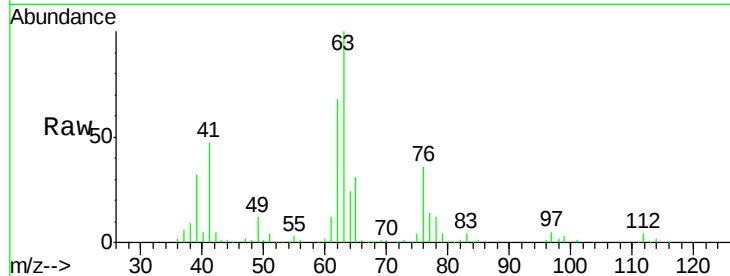
#45
 1,2-Dichloropropane
 Concen: 20.775 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion: 63 Resp: 205183
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

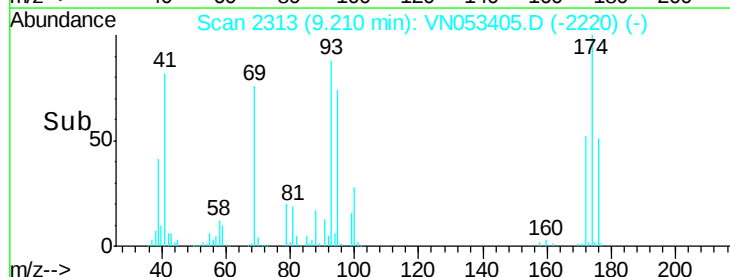
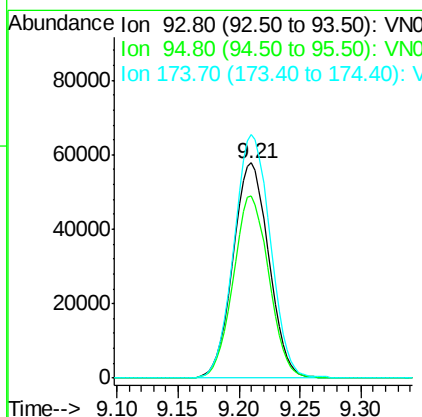
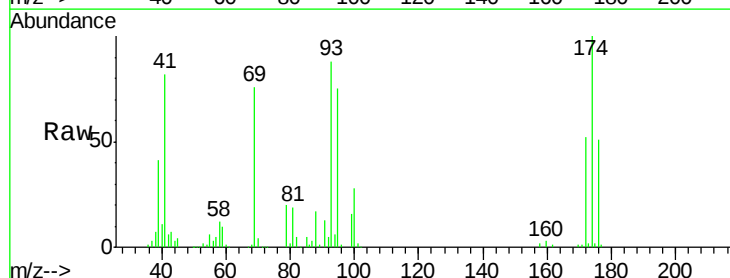
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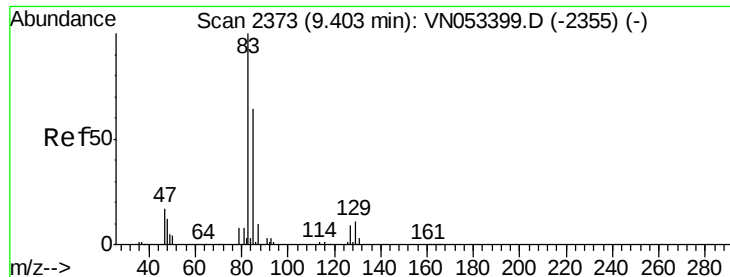
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 1/16/2019 9:51:30 AM



#46
 Dibromomethane
 Concen: 20.801 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 93 Resp: 118031
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 114.4 91.4 137.0





#47

Bromodichloromethane

Concen: 20.277 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

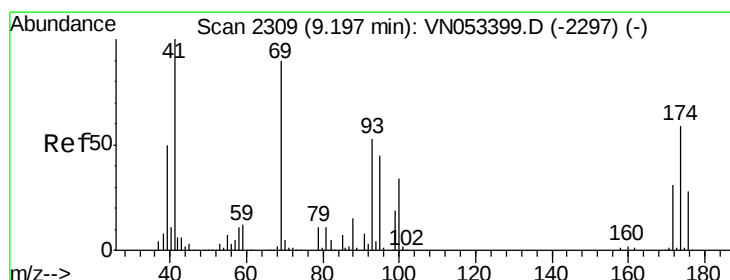
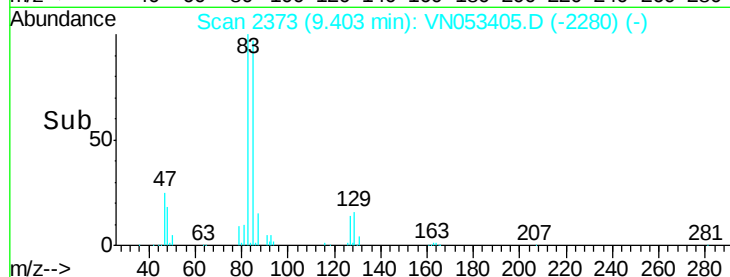
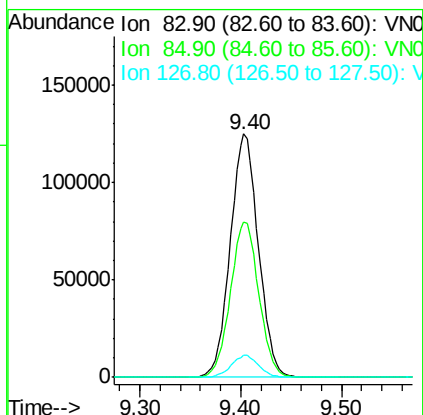
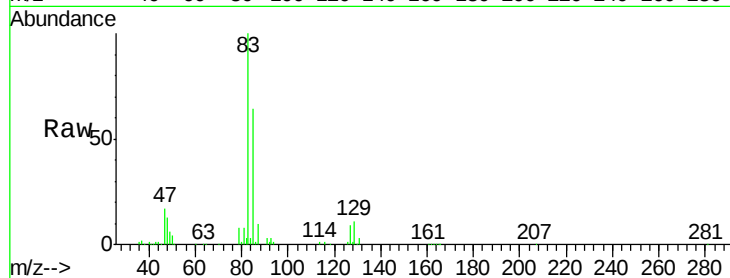
ClientSampleId :

VN0115WBSD01

Tot Ion:	83	Resp:	241961
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.7	77.5
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.829 ug/l

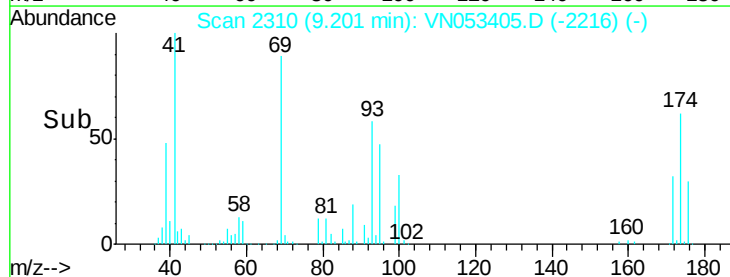
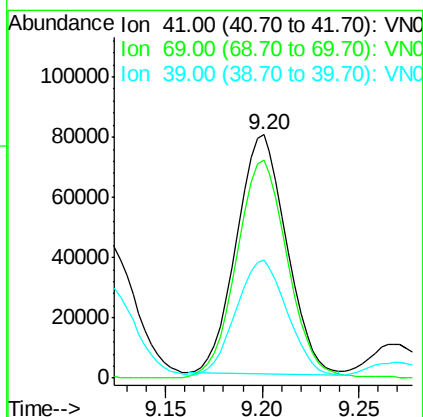
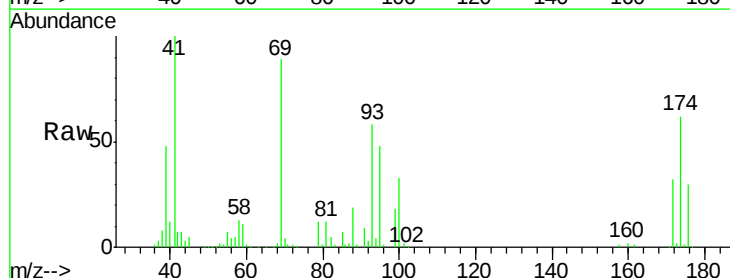
RT: 9.20 min Scan# 2310

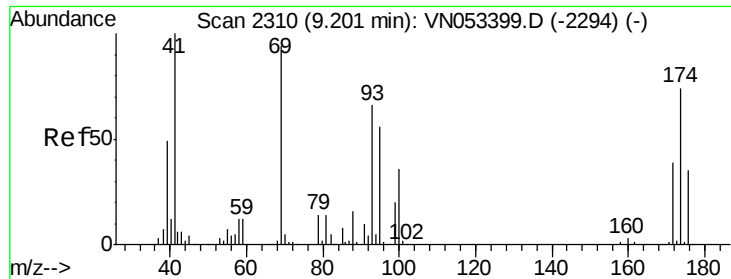
Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	41	Resp:	143070
Ion Ratio	Lower	Upper	
41	100		
69	92.8	73.5	110.3
39	51.5	41.6	62.4





#49

1,4-Dioxane

Concen: 481.589 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 88 Resp: 30826

Ion Ratio Lower Upper

88 100

43 33.9 26.2 39.4

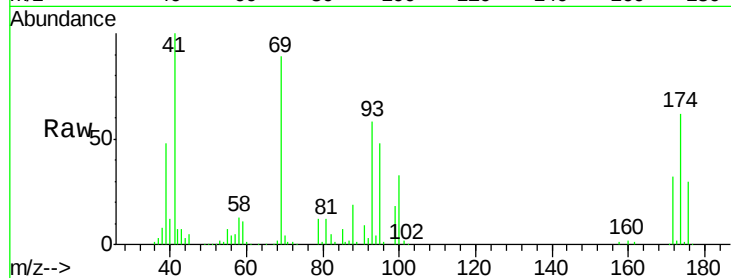
58 69.8 55.5 83.3

Manual Integrations

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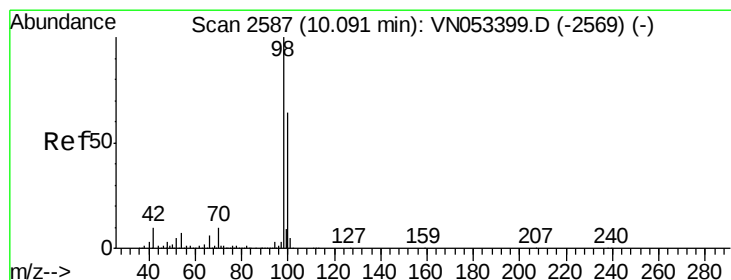
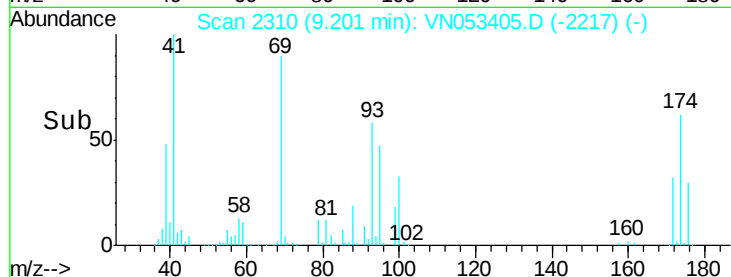
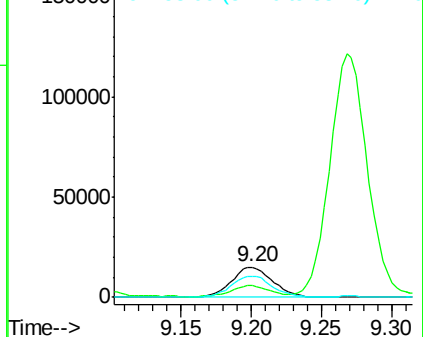
1/16/2019 9:51:30 AM



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



#50

Toluene-d8

Concen: 481.589 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053405.D

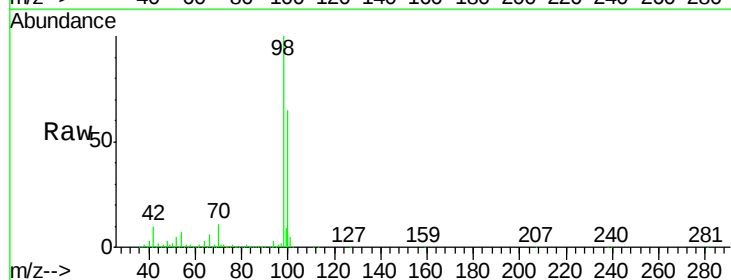
Acq: 15 Jan 2019 14:00

Tgt Ion: 98 Resp: 1650370

Ion Ratio Lower Upper

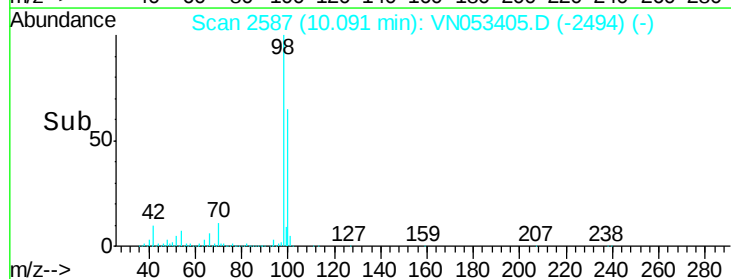
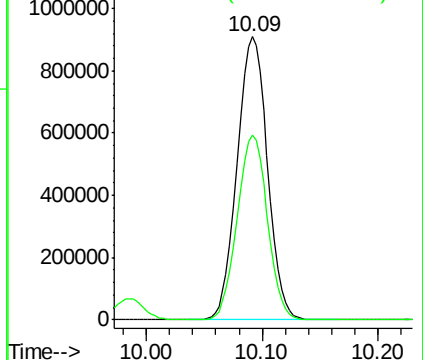
98 100

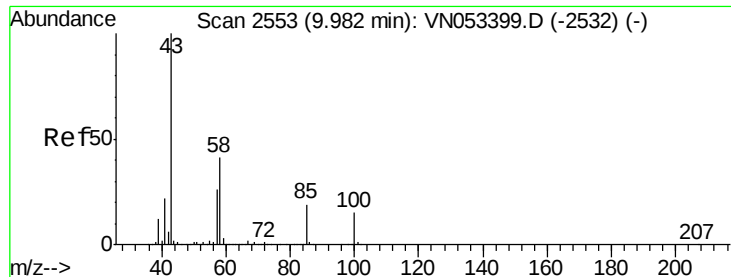
100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





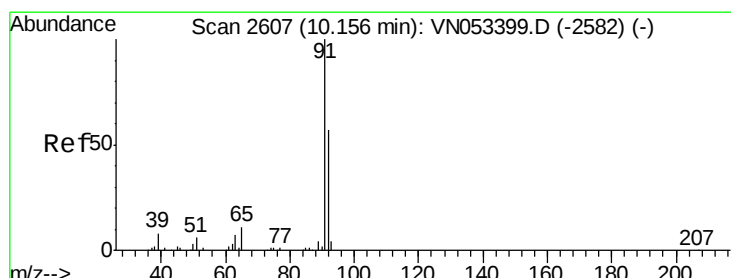
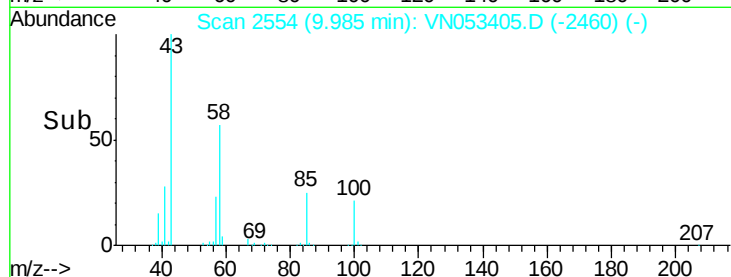
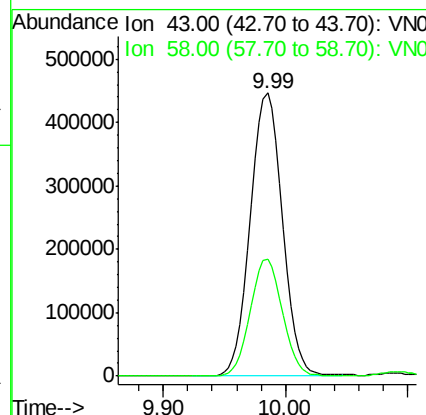
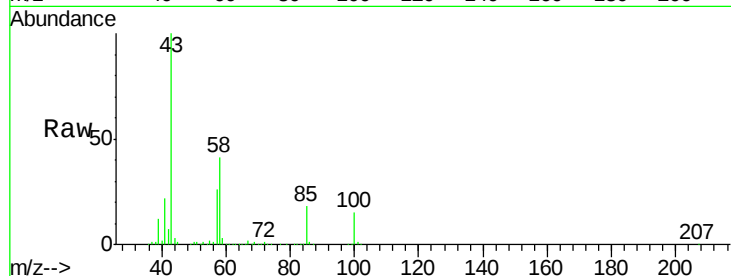
#51
4-Methyl-2-Pentanone
Concen: 116.715 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion: 43 Resp: 808772
Ion Ratio Lower Upper
43 100
58 41.3 32.7 49.1

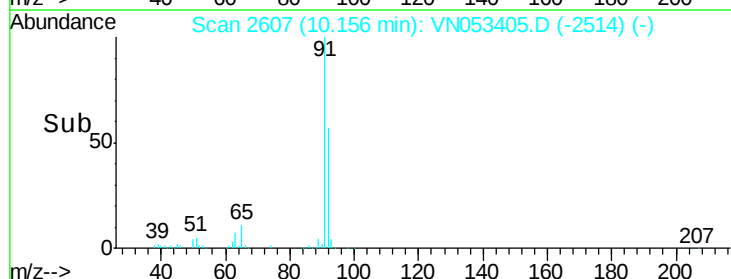
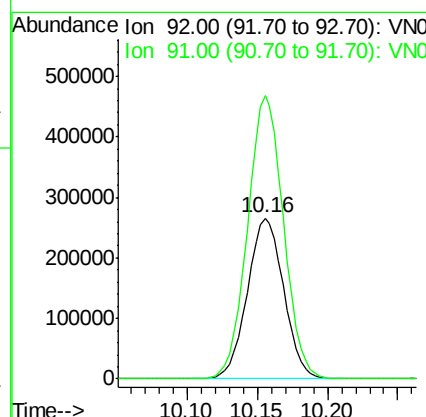
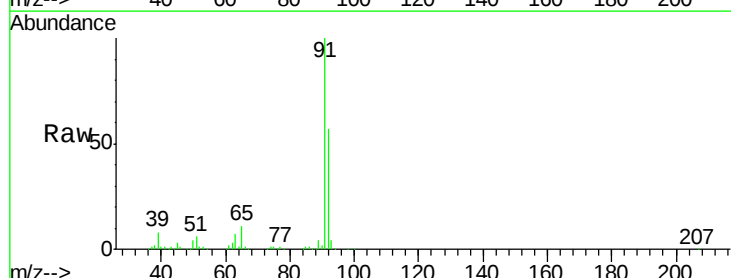
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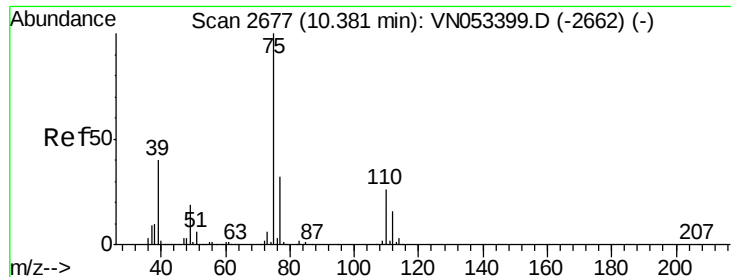
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#52
Toluene
Concen: 20.674 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 92 Resp: 478566
Ion Ratio Lower Upper
92 100
91 174.6 138.6 208.0





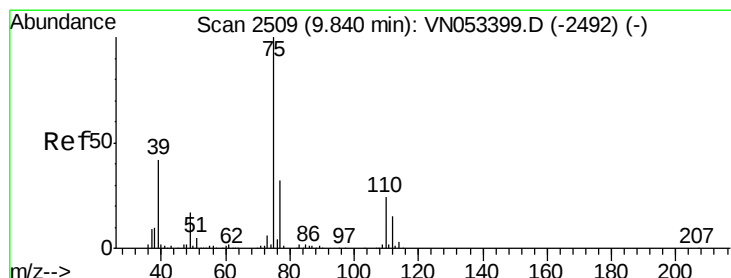
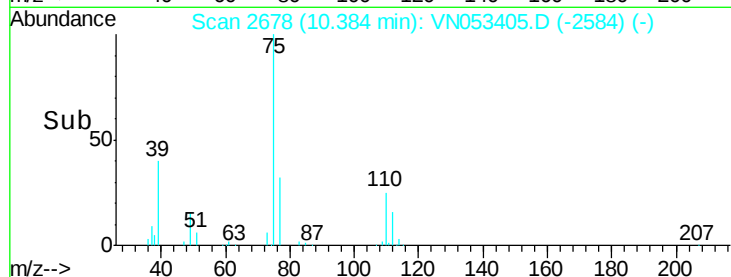
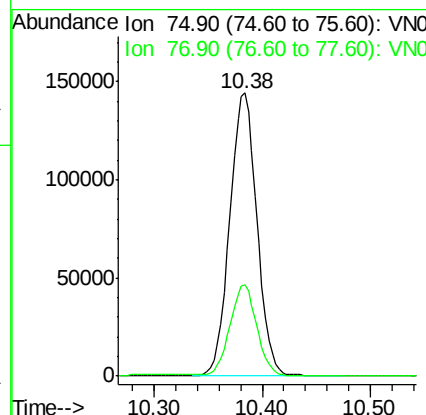
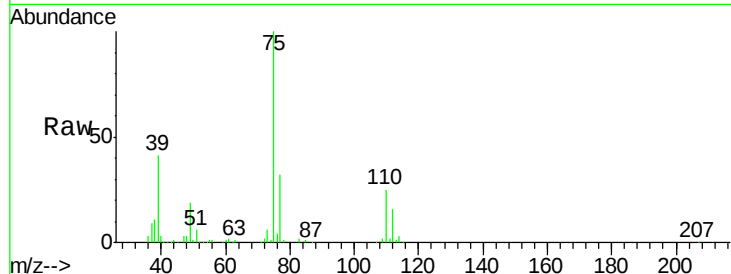
#53
 t-1,3-Dichloropropene
 Concen: 20.983 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion: 75 Resp: 253789
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4

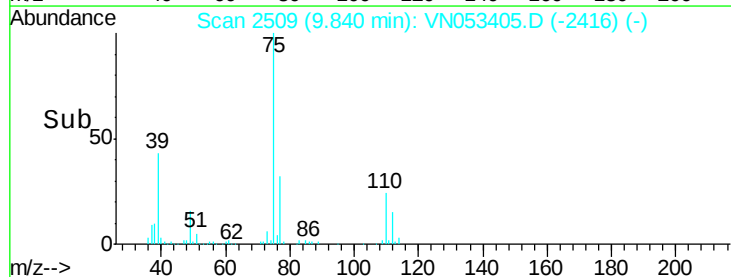
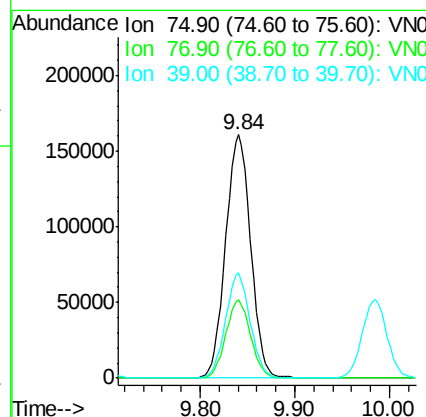
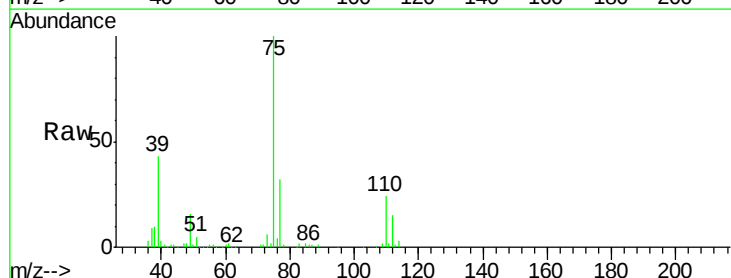
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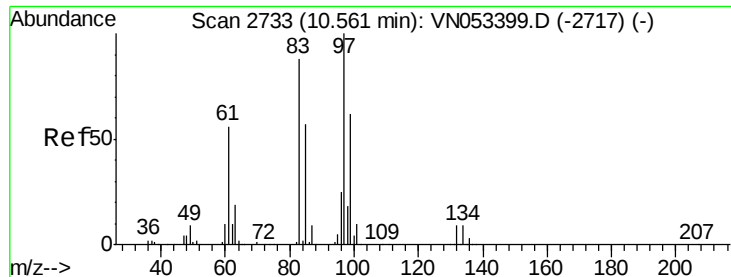
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#54
 cis-1,3-Dichloropropene
 Concen: 20.953 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 75 Resp: 297089
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 43.1 33.1 49.7





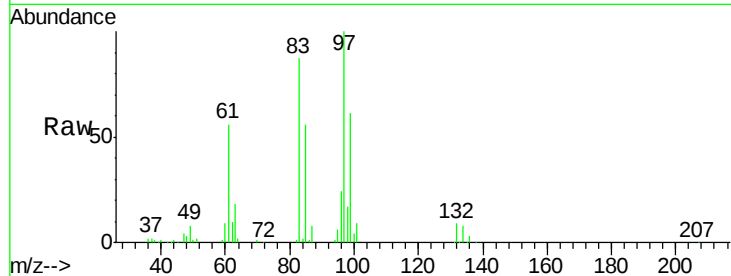
#55
 1,1,2-Trichloroethane
 Concen: 21.629 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0115WBSD01

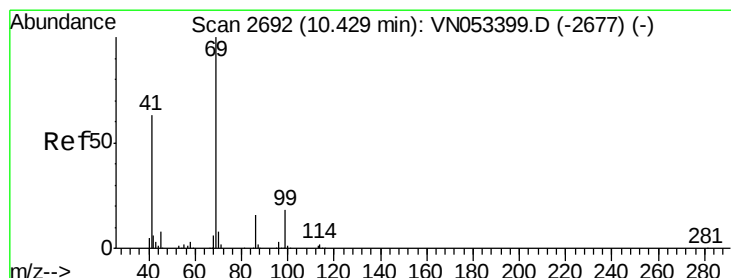
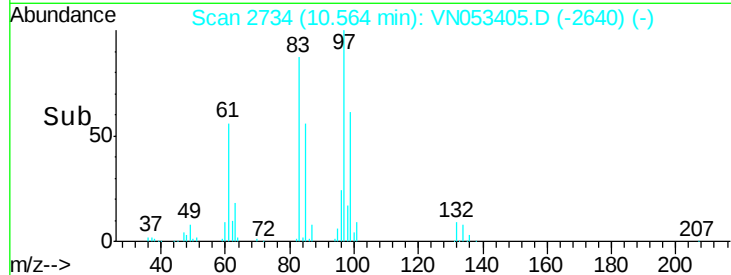
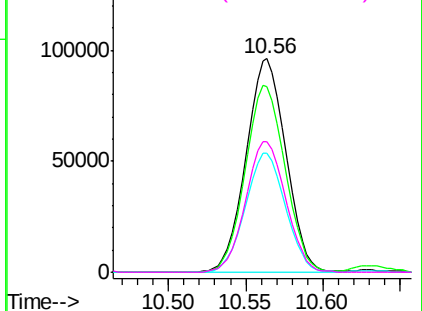
Tot Ion:	97	Resp:	172617
Ion Ratio	Lower	Upper	
97	100		
83	86.6	69.1	103.7
85	55.8	44.2	66.4
99	61.1	50.3	75.5

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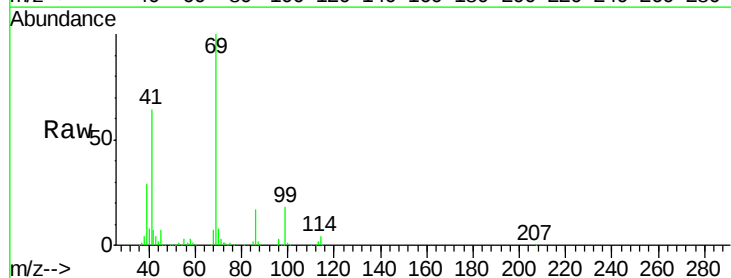


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

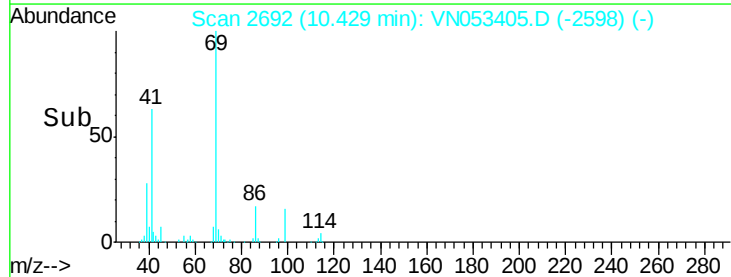
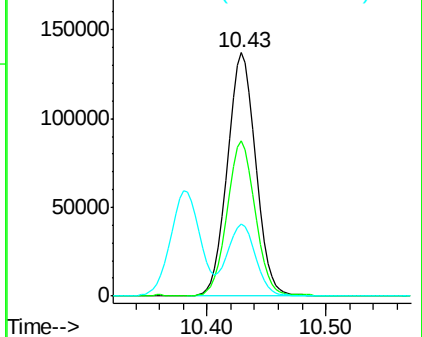


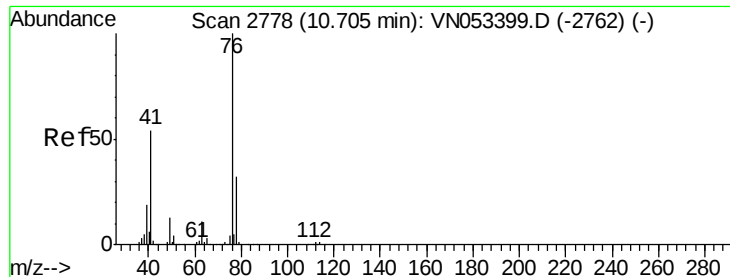
#56
 Ethyl methacrylate
 Concen: 21.251 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion:	69	Resp:	226719
Ion Ratio	Lower	Upper	
69	100		
41	62.8	49.2	73.8
39	29.8	23.4	35.0



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





#57

1,3-Dichloropropane

Concen: 21.183 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 76 Resp: 292447

Ion Ratio Lower Upper

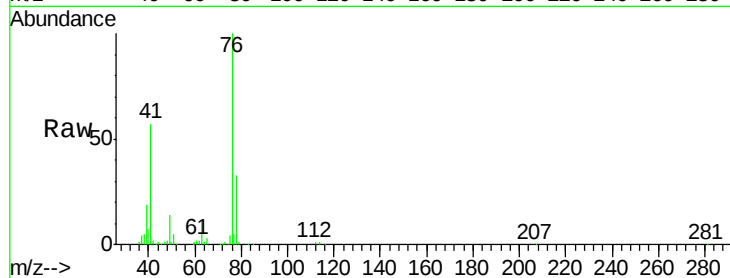
76 100

78 31.8 25.8 38.8

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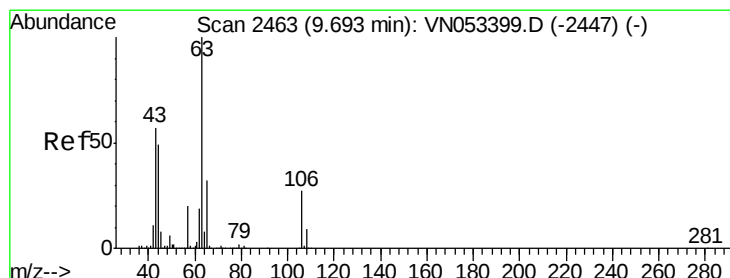
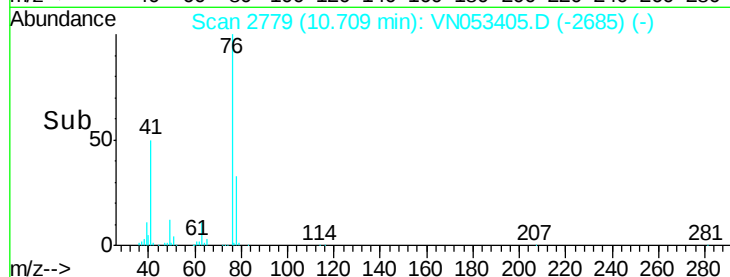
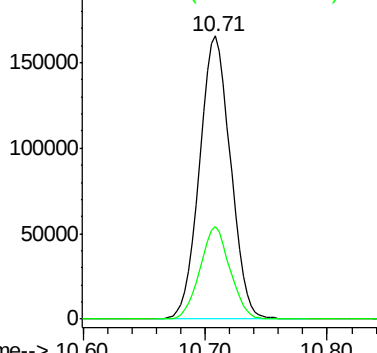
MMDadoda

1/16/2019 9:51:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 109.535 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053405.D

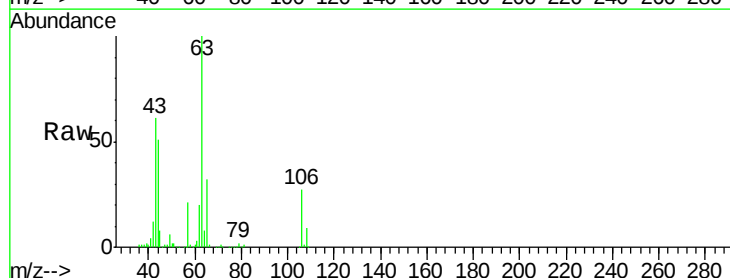
Acq: 15 Jan 2019 14:00

Tgt Ion: 63 Resp: 611566

Ion Ratio Lower Upper

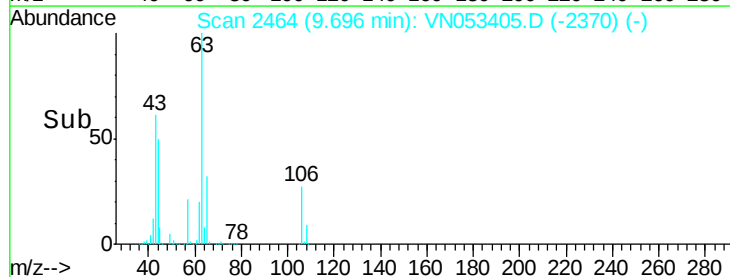
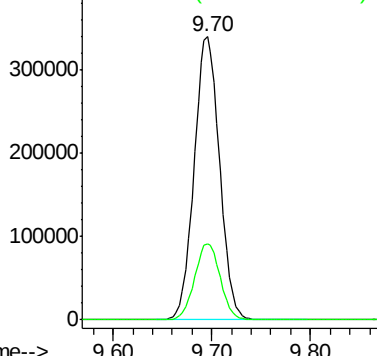
63 100

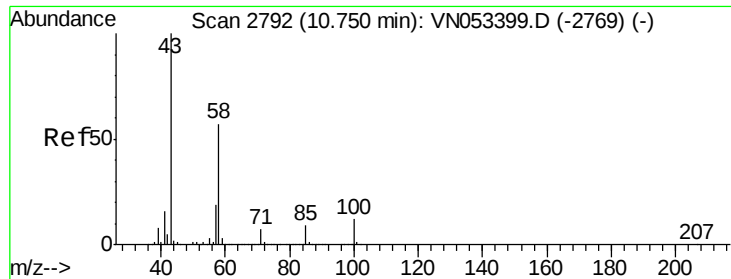
106 27.2 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 115.705 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 43 Resp: 562834

Ion Ratio Lower Upper

43 100

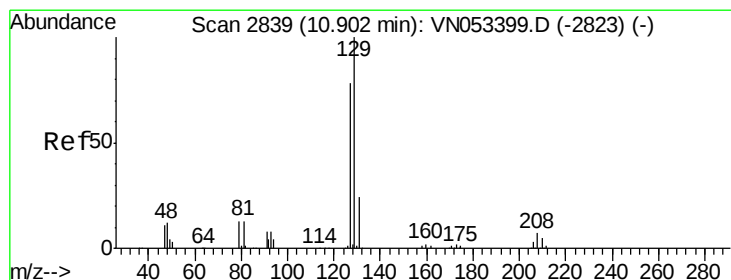
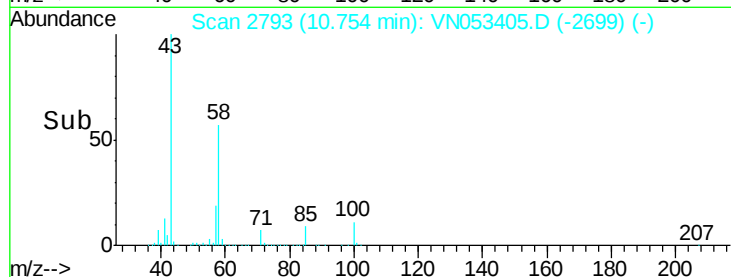
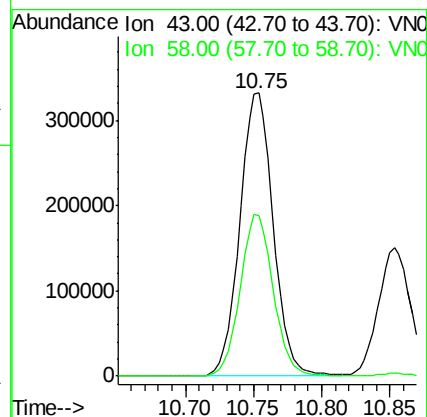
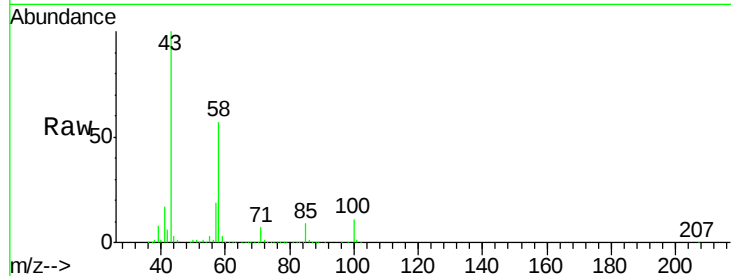
58 56.8 28.3 85.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.684 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053405.D

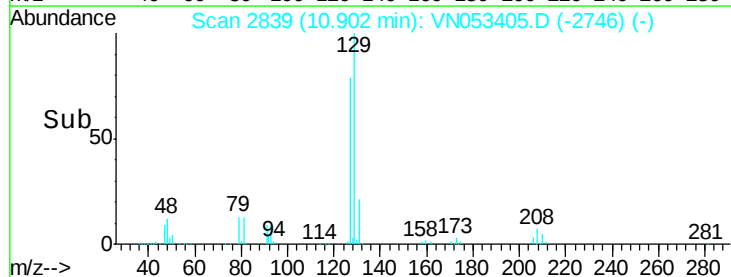
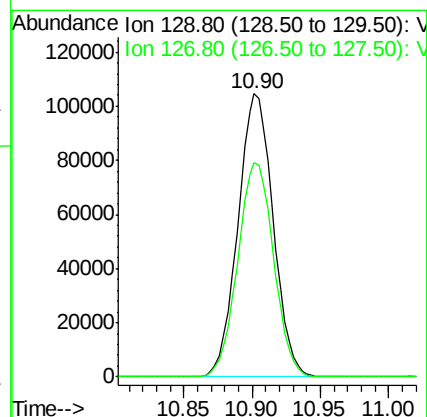
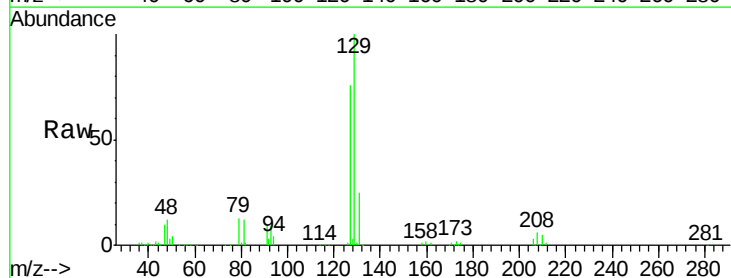
Acq: 15 Jan 2019 14:00

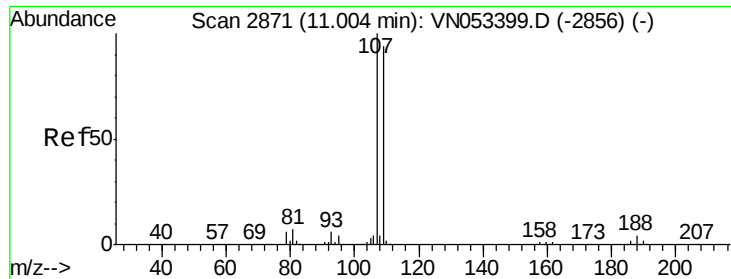
Tgt Ion: 129 Resp: 187235

Ion Ratio Lower Upper

129 100

127 77.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.404 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 107 Resp: 172759

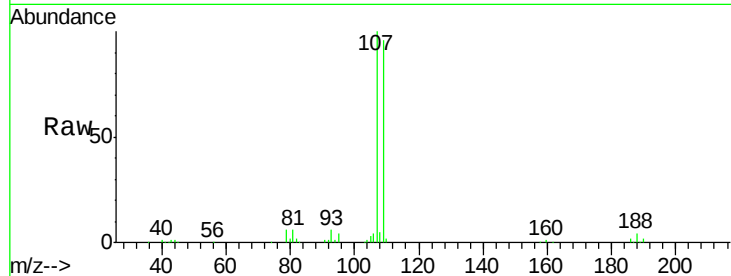
Ion Ratio Lower Upper

107 100

109 95.4 75.0 112.6

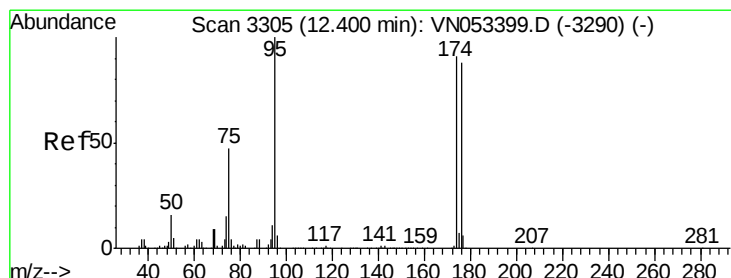
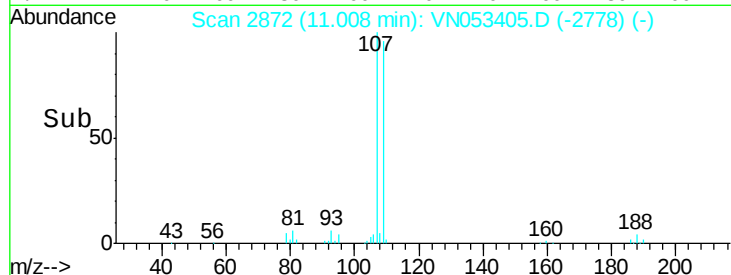
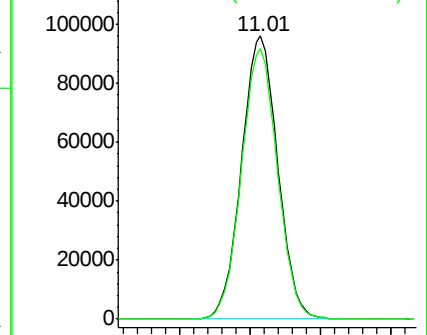
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 21.404 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

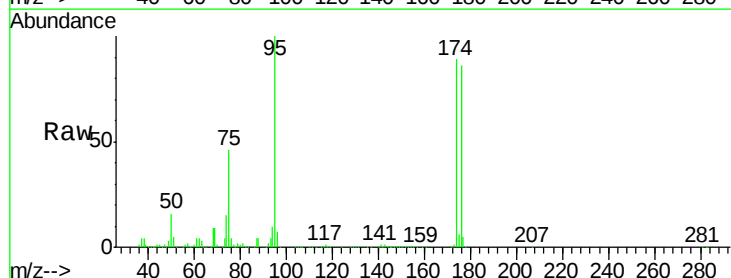
Tgt Ion: 95 Resp: 574725

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.4

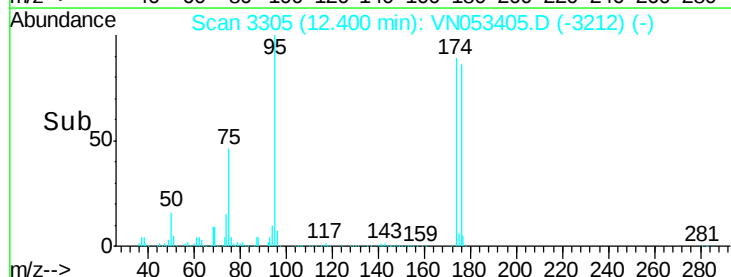
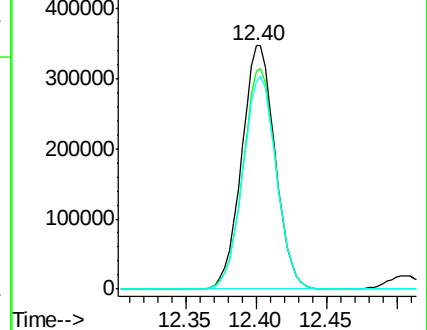
176 87.7 0.0 175.6

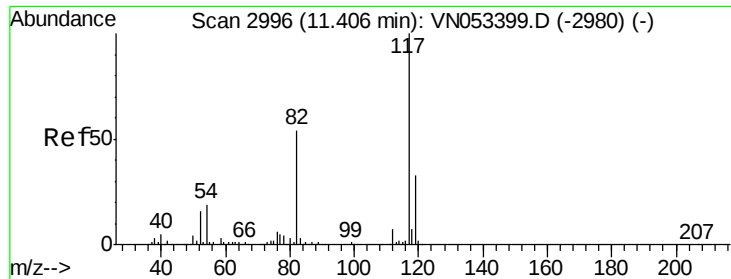


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





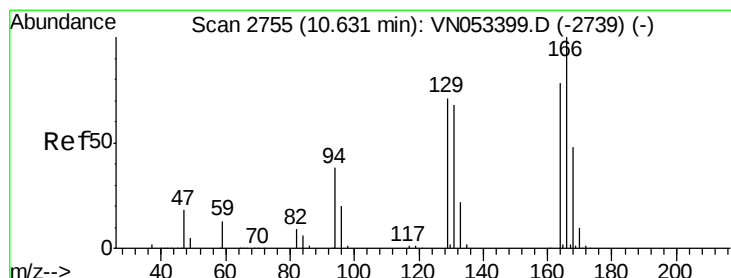
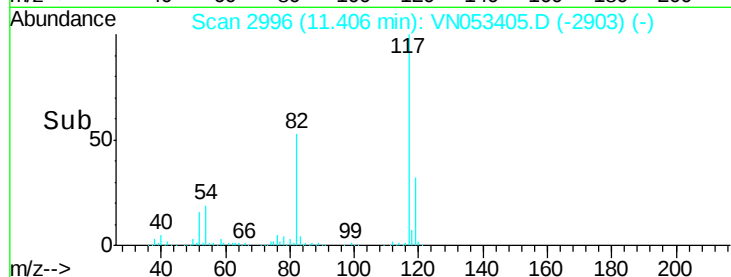
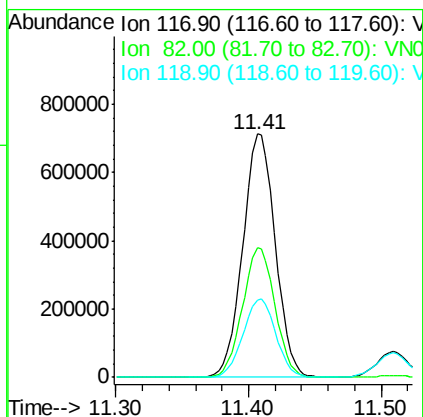
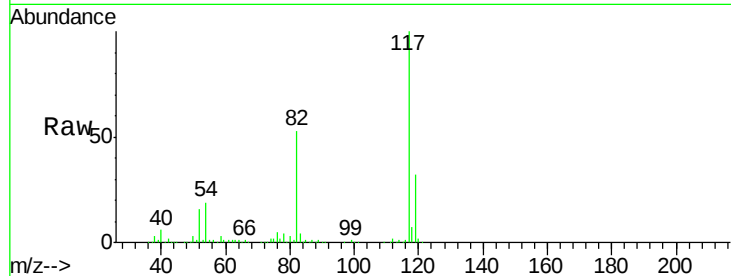
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion:117 Resp: 1211573
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 32.0 25.6 38.4

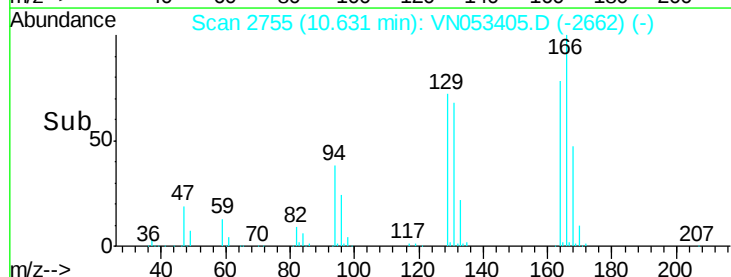
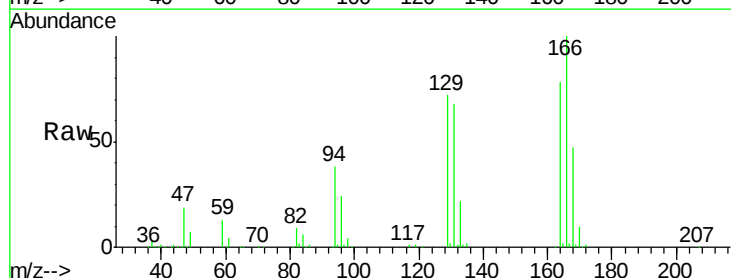
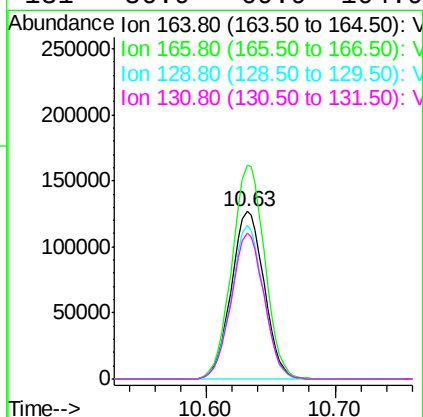
Manual Integrations
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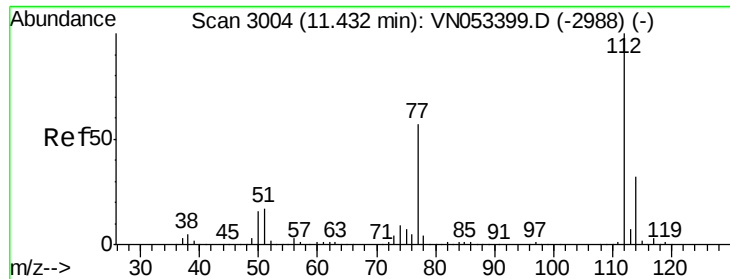
MMDadoda
1/16/2019 9:51:30 AM



#64
Tetrachloroethene
Concen: 19.683 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion:164 Resp: 224734
Ion Ratio Lower Upper
164 100
166 127.7 101.7 152.5
129 91.5 72.1 108.1
131 86.9 69.9 104.9





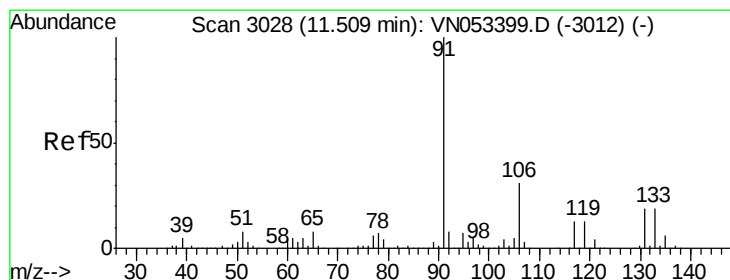
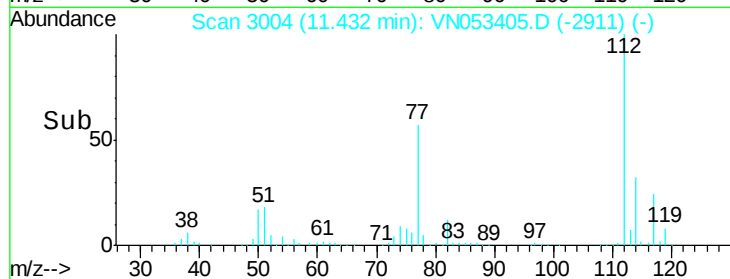
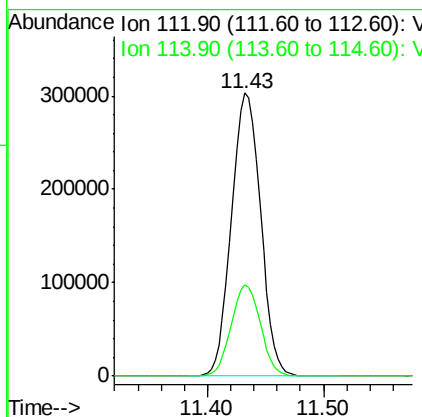
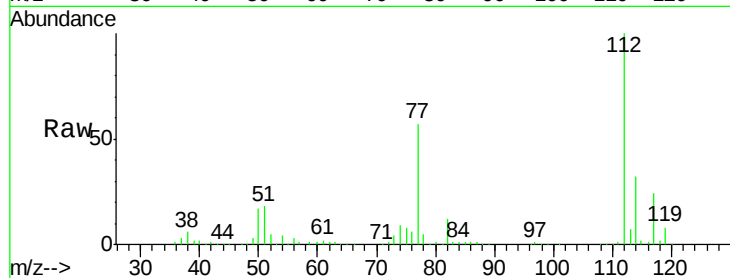
#65
Chlorobenzene
Concen: 20.531 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion:112 Resp: 526525
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

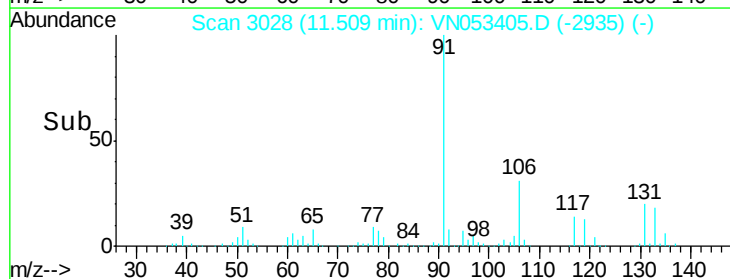
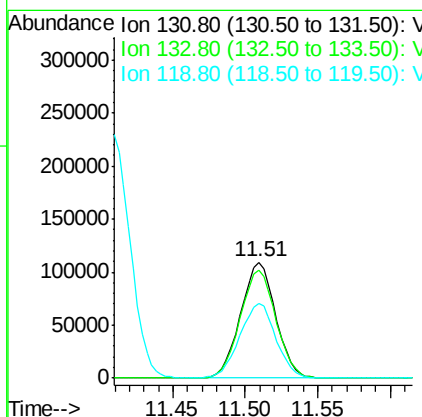
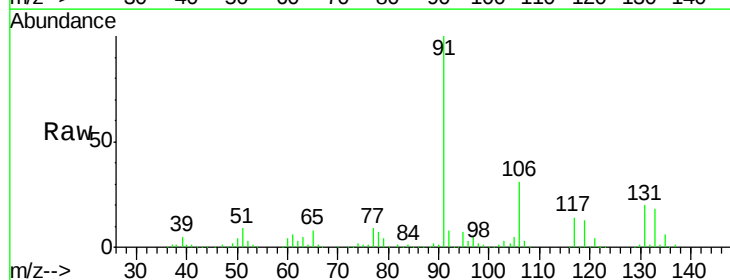
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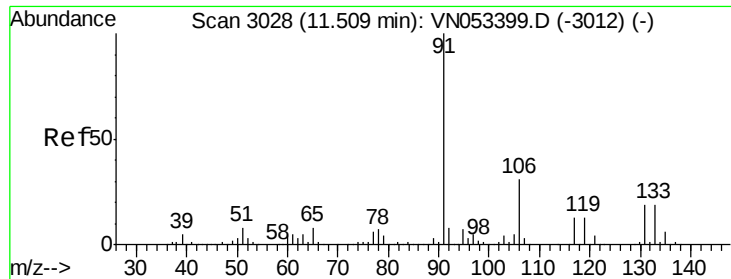
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.646 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion:131 Resp: 184190
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 66.2 33.3 99.9





#67

Ethyl Benzene

Concen: 20.768 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 91 Resp: 907657

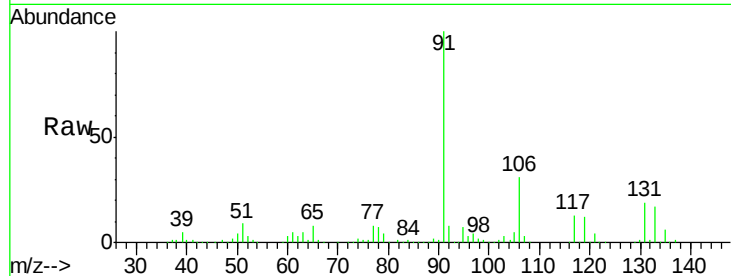
Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4

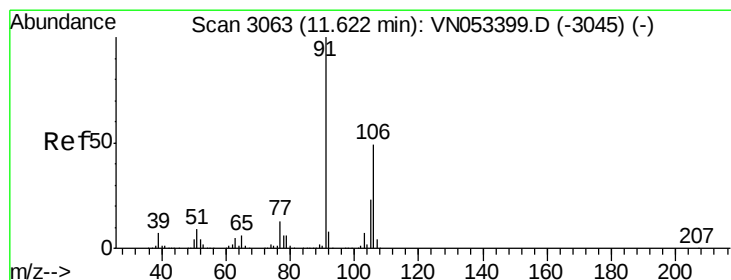
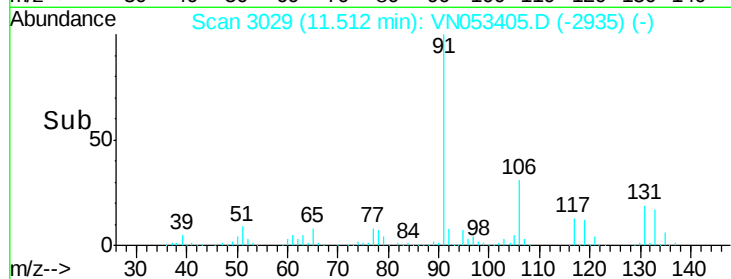
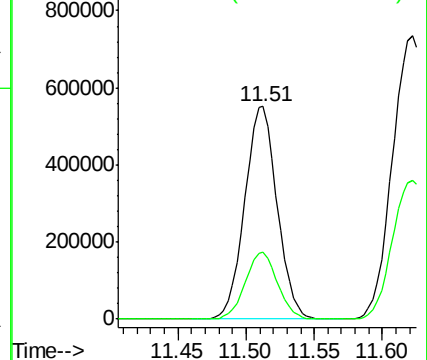
Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN053399.D (-3012) (-)



#68

m/p-Xylenes

Concen: 42.107 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053405.D

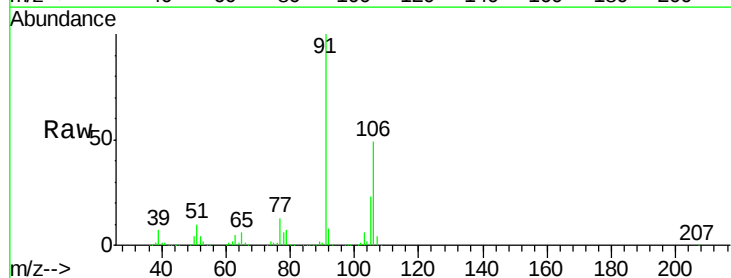
Acq: 15 Jan 2019 14:00

Tgt Ion: 106 Resp: 694813

Ion Ratio Lower Upper

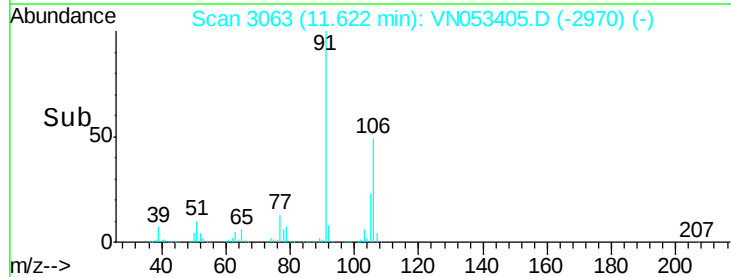
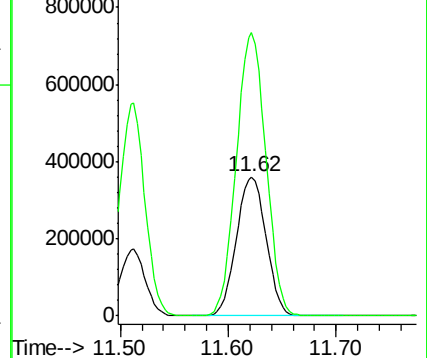
106 100

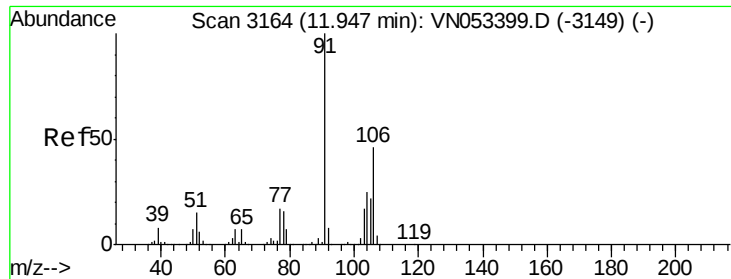
91 202.1 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VN053399.D (-3045) (-)

Ion 91.00 (90.70 to 91.70): VN053399.D (-3045) (-)





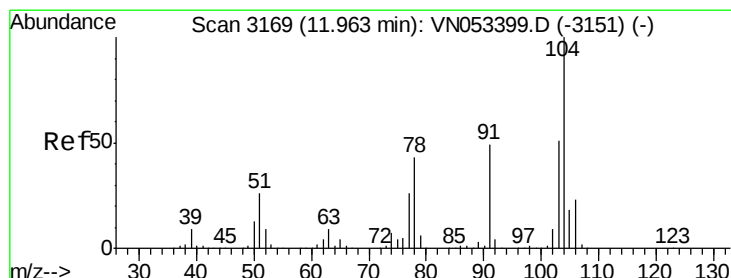
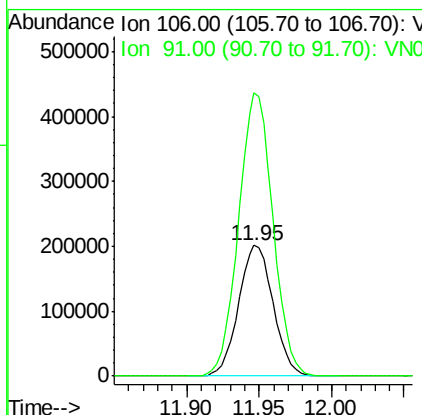
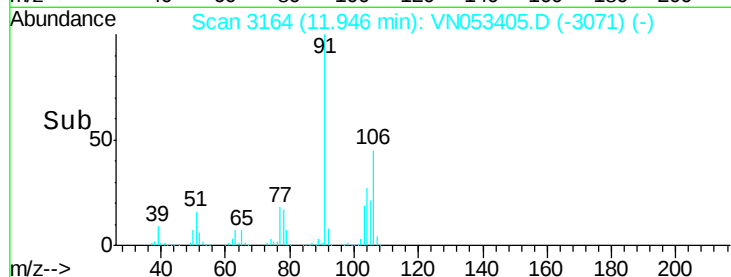
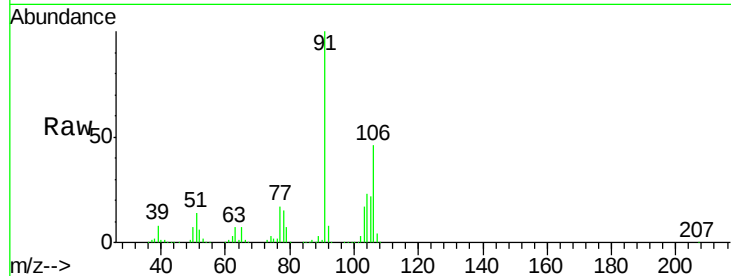
#69
o-Xylene
Concen: 20.715 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion:106 Resp: 332147
Ion Ratio Lower Upper
106 100
91 216.0 106.8 320.4

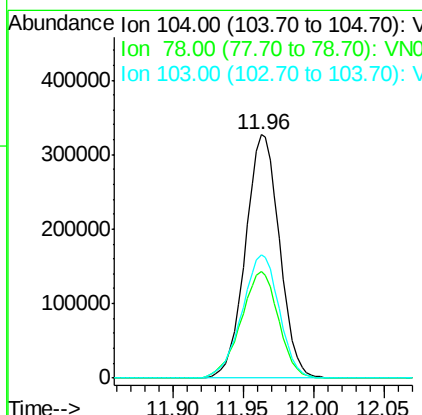
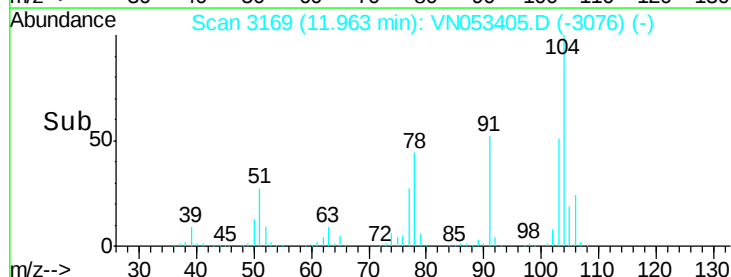
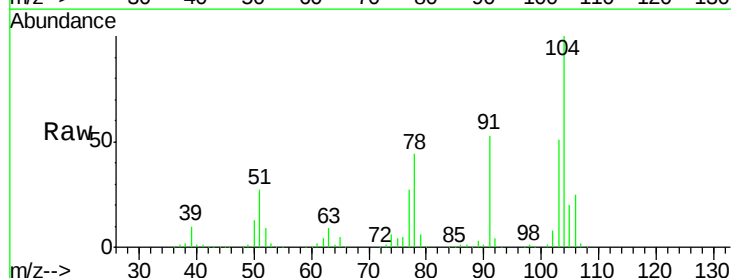
Manual Integrations
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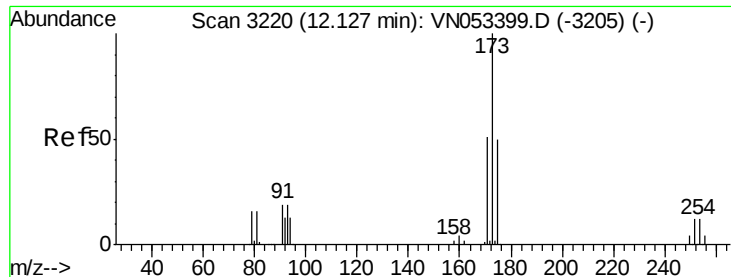
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#70
Styrene
Concen: 21.257 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion:104 Resp: 553181
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.5 44.5 66.7





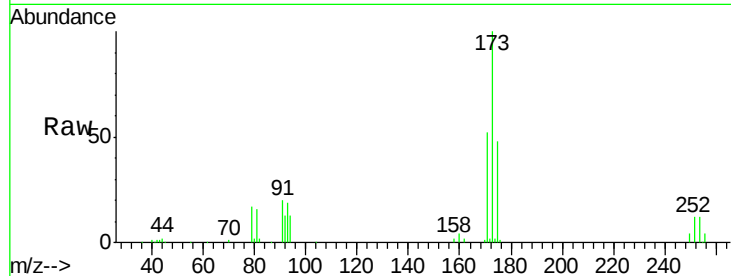
#71
Bromoform
Concen: 21.052 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.1	0.2	0.2

Manual Integrations
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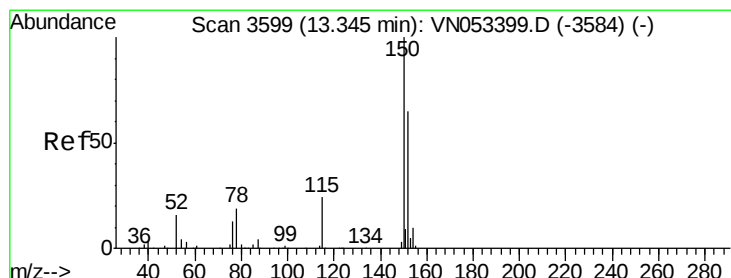
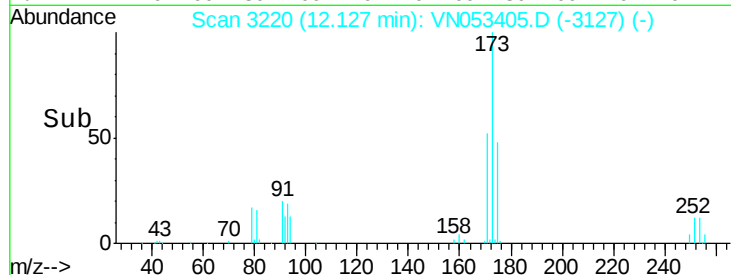
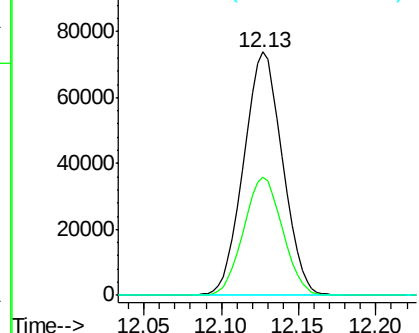


Abundance

Ion 172.70 (172.40 to 173.40): V

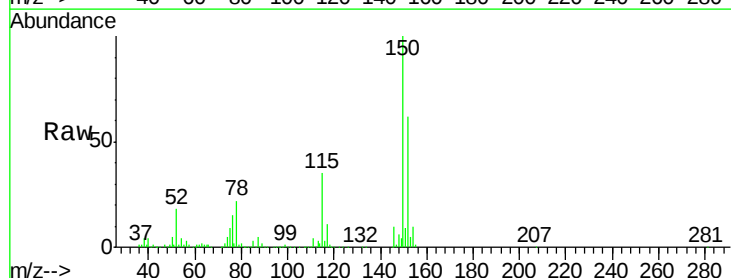
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.0	84.0
150	165.7	0.0	346.6

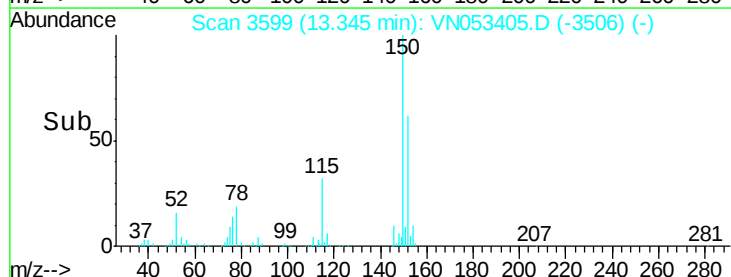
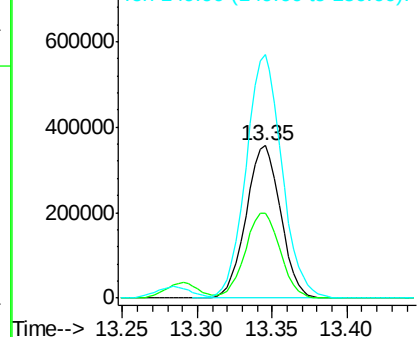


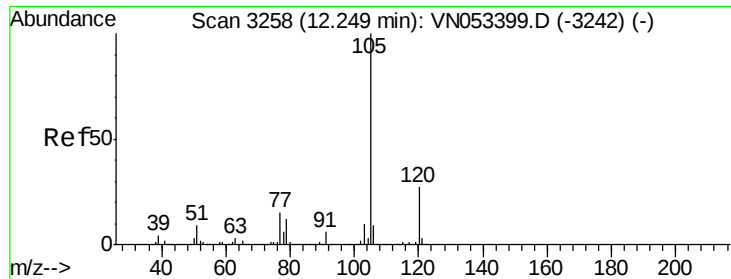
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





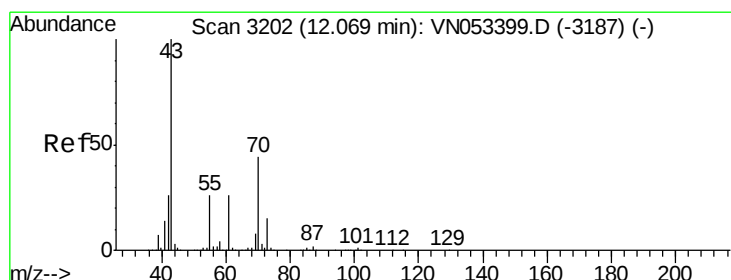
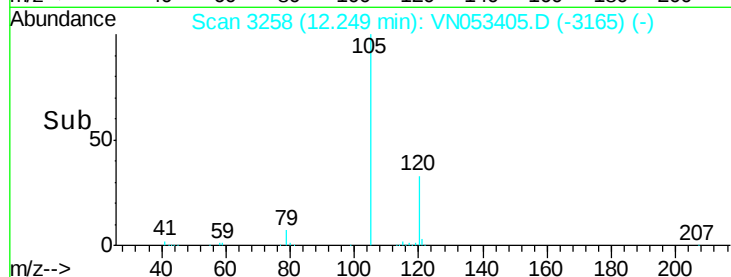
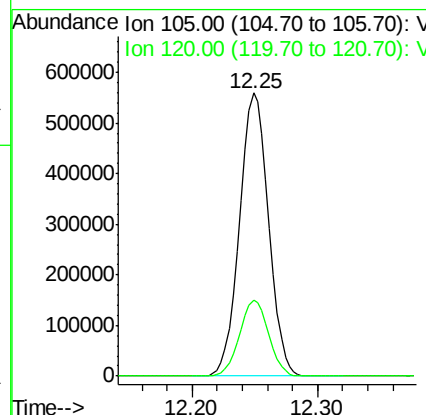
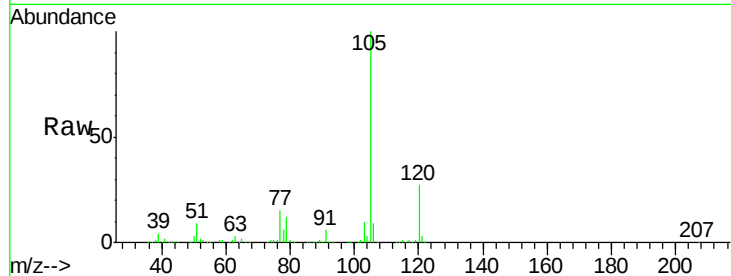
#73
Isopropylbenzene
Concen: 21.364 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.2

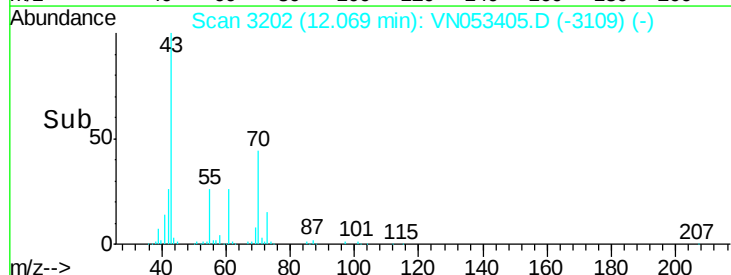
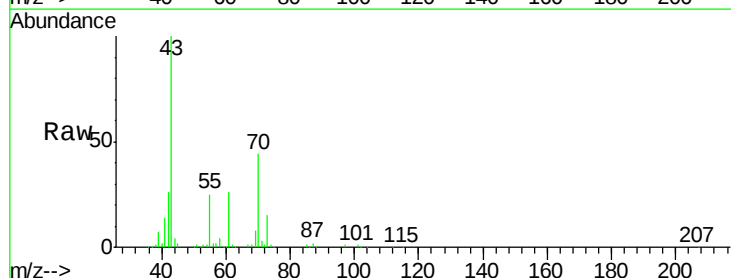
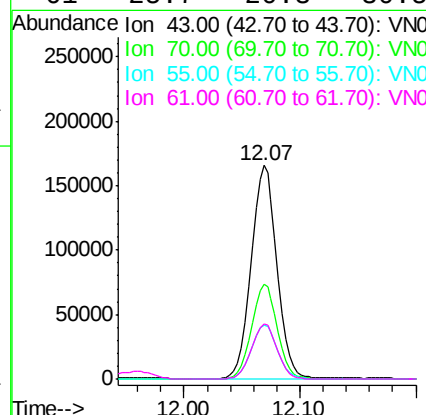
Manual Integrations
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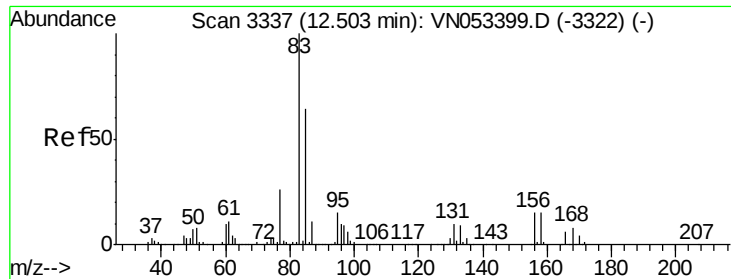
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1/16/2019 9:51:30 AM



#74
N-ethyl acetate
Concen: 23.135 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	35.0	52.6
55	25.9	20.0	30.0
61	25.7	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.957 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

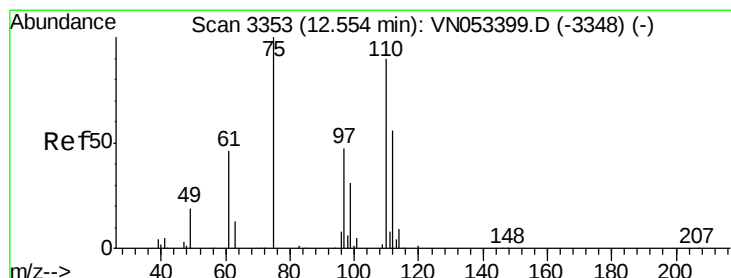
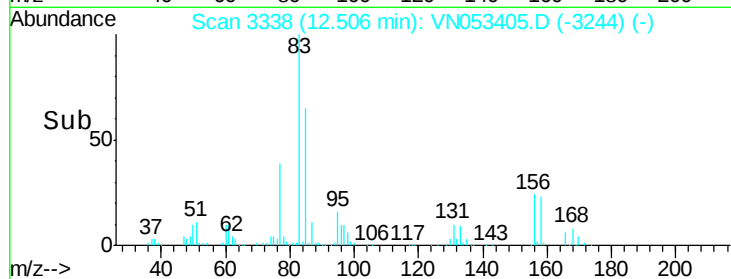
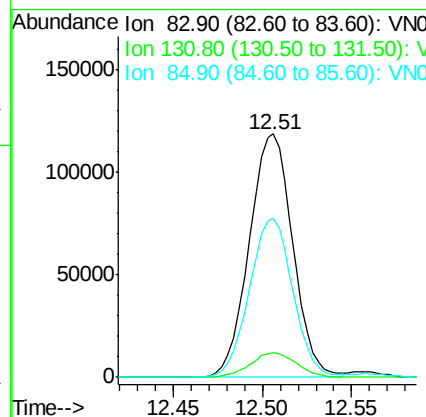
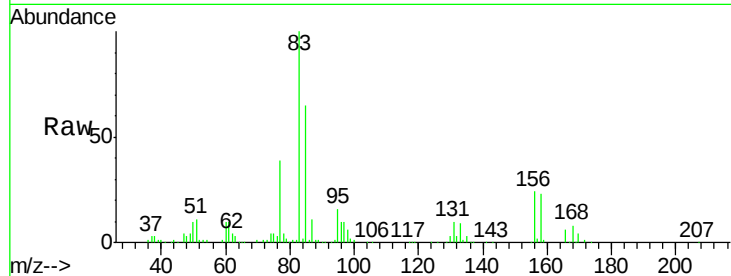
ClientSampleId :

VN0115WBSD01

Tot Ion:	83	Resp:	201941
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	65.0	32.3	96.8

Manual Integrations
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1/16/2019 9:51:30 AM



#76

1,2,3-Trichloropropane

Concen: 24.930 ug/l m

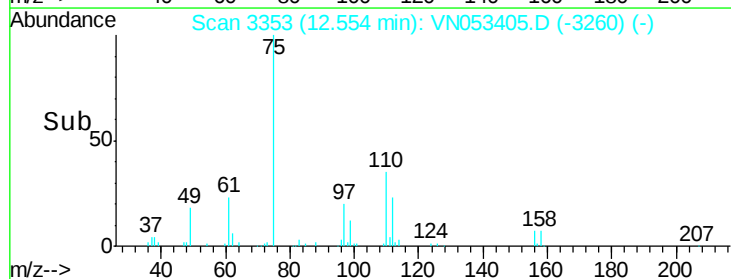
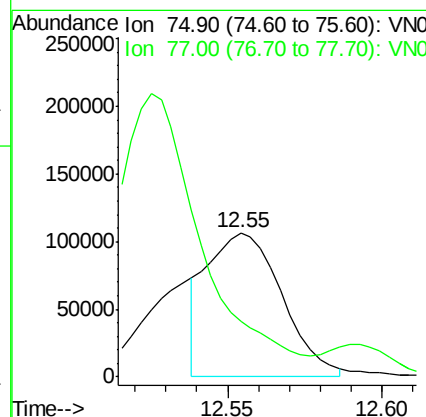
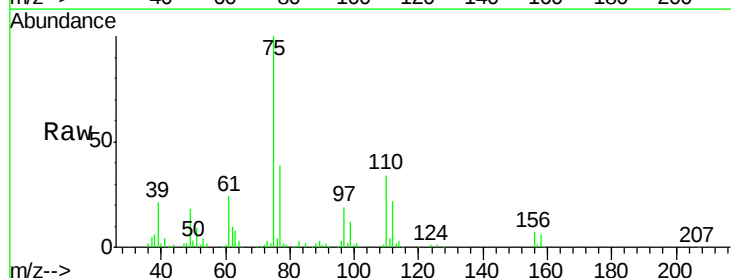
RT: 12.55 min Scan# 3353

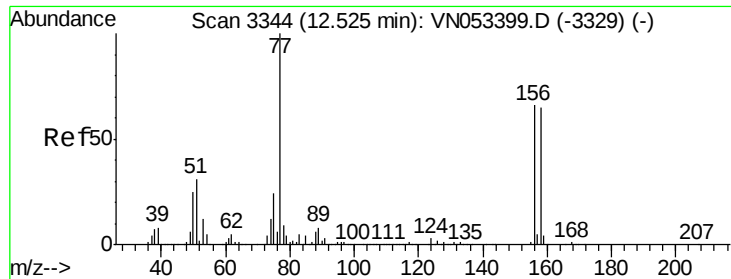
Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	75	Resp:	179773
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.273 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

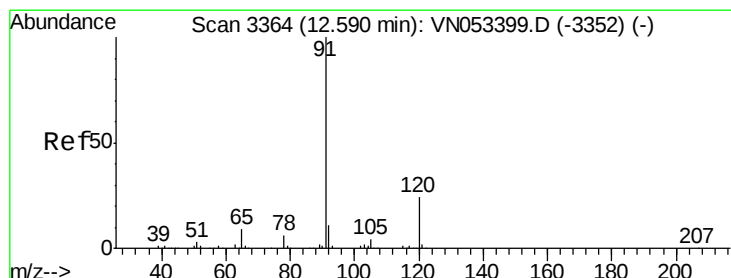
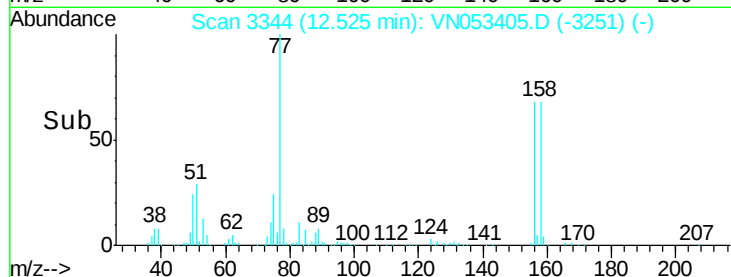
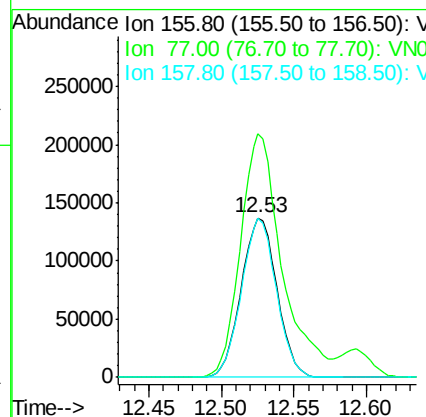
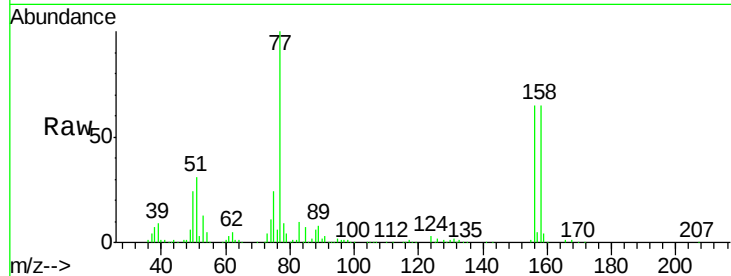
ClientSampleId :

VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.6	89.3	268.1
158	97.2	48.9	146.8

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#78

n-propylbenzene

Concen: 21.227 ug/l

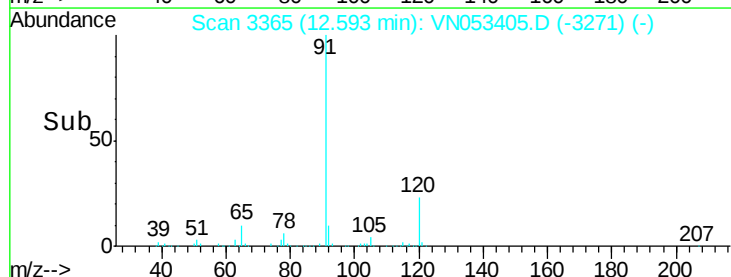
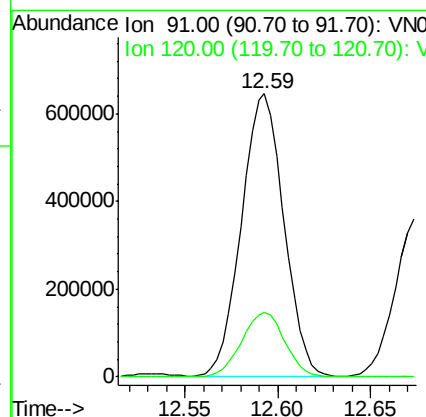
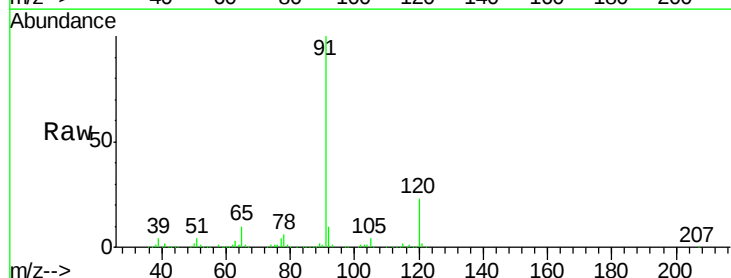
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.031 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 91 Resp: 600160

Ion Ratio Lower Upper

91 100

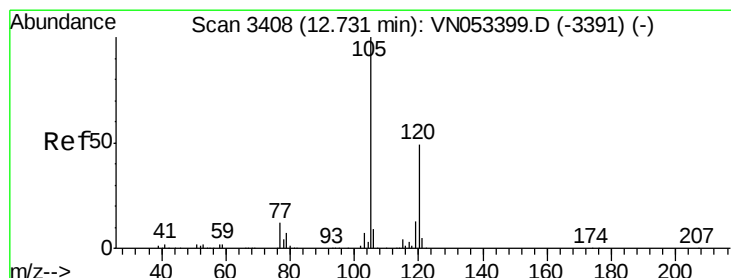
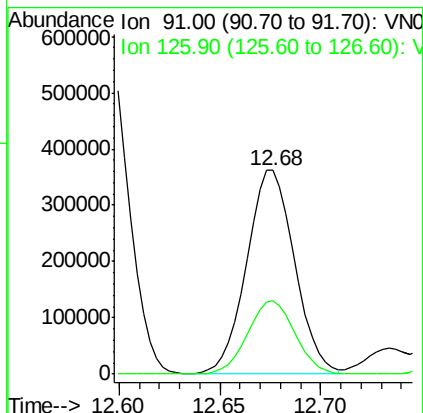
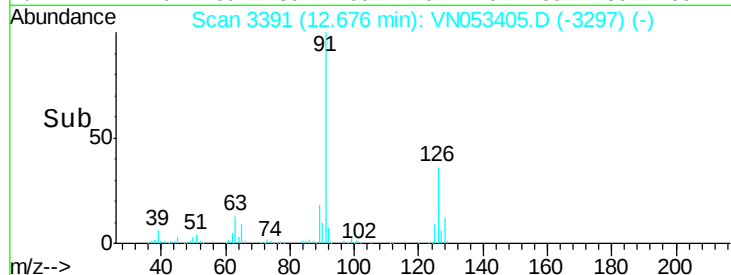
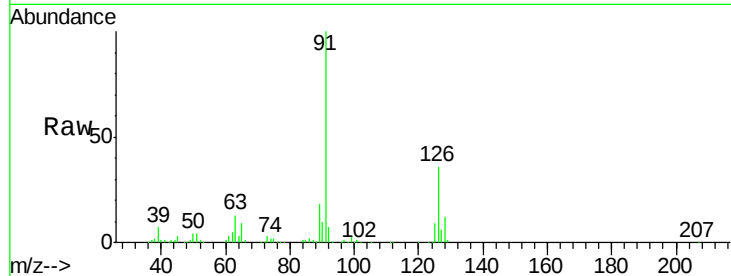
126 35.8 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.498 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053405.D

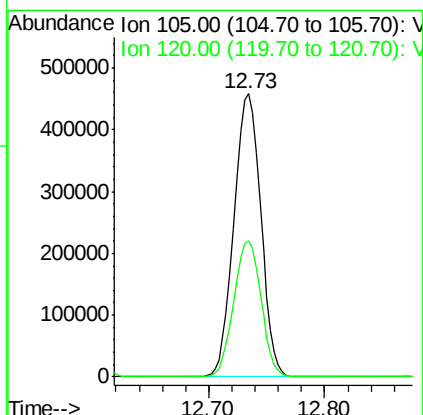
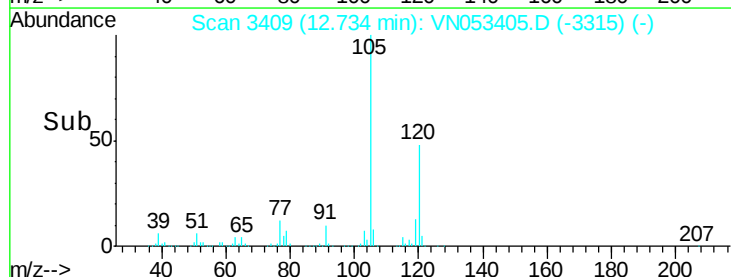
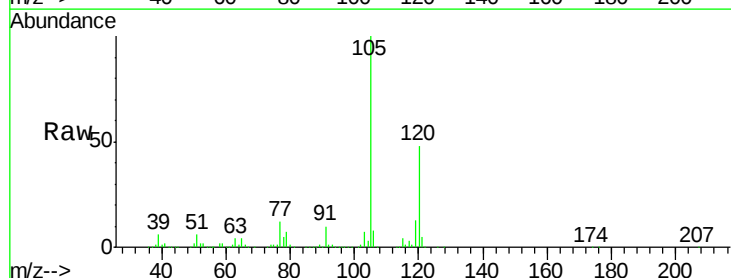
Acq: 15 Jan 2019 14:00

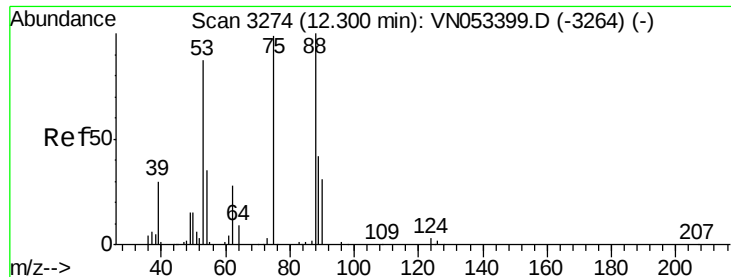
Tgt Ion: 105 Resp: 733615

Ion Ratio Lower Upper

105 100

120 48.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.696 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 75 Resp: 60200

Ion Ratio Lower Upper

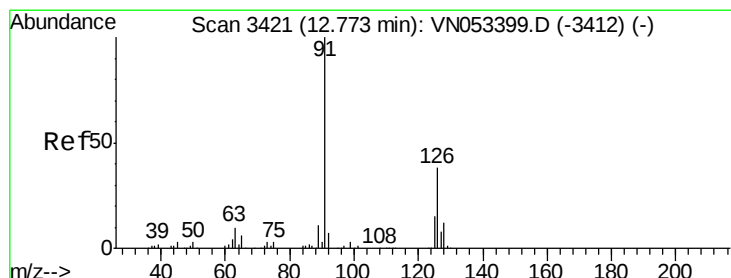
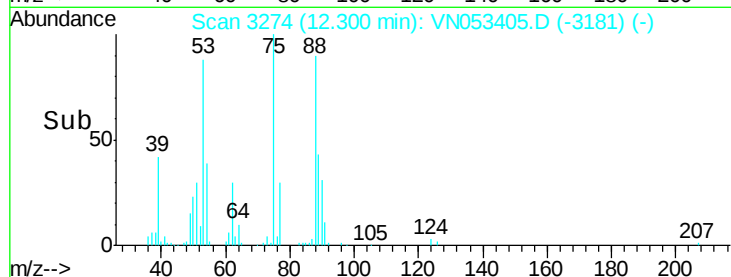
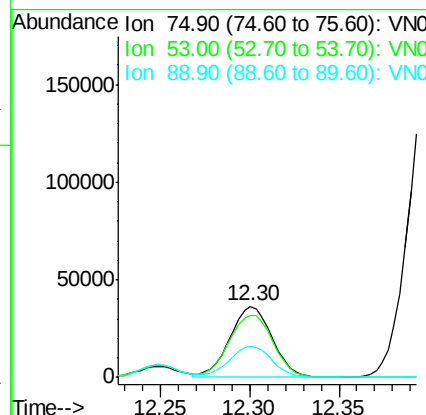
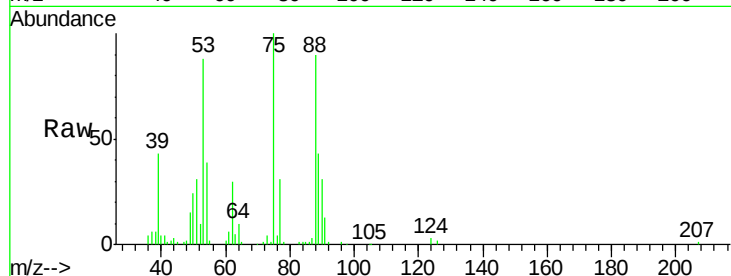
75 100

53 90.6 70.5 105.7

89 43.7 35.4 53.0

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#82

4-Chlorotoluene

Concen: 21.214 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053405.D

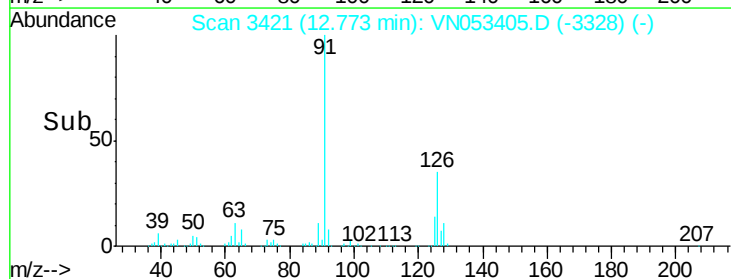
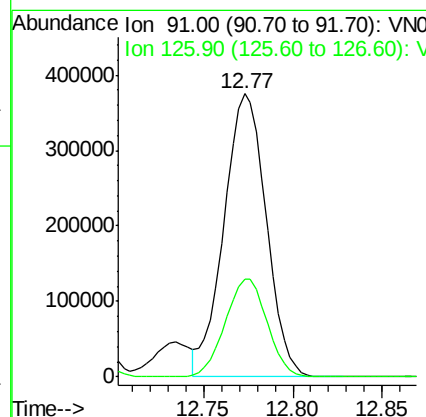
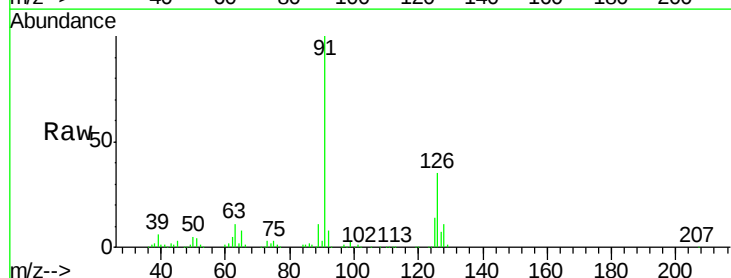
Acq: 15 Jan 2019 14:00

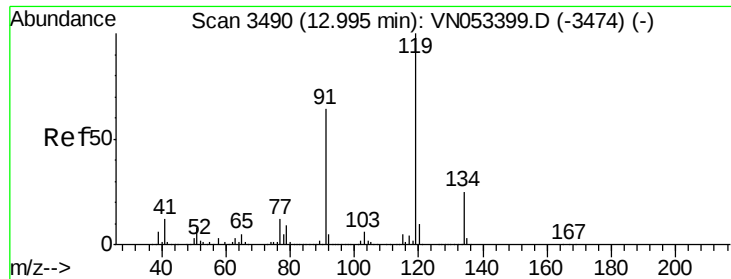
Tgt Ion: 91 Resp: 617347

Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.2





#83

tert-Butylbenzene

Concen: 21.418 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

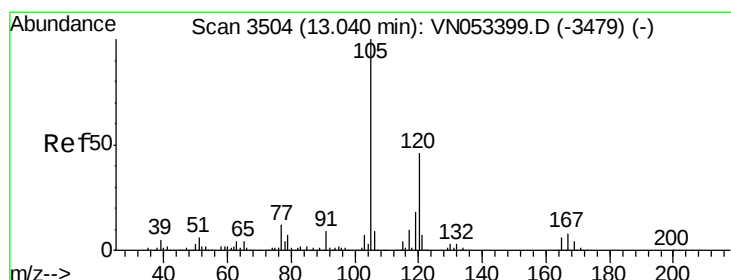
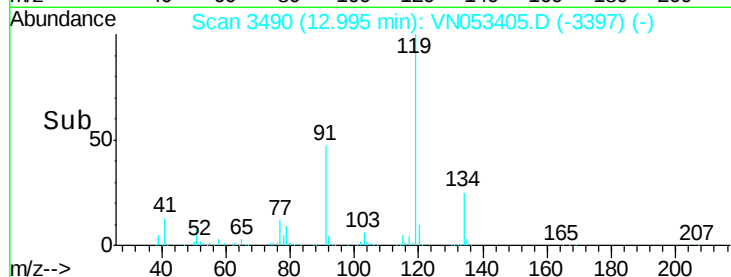
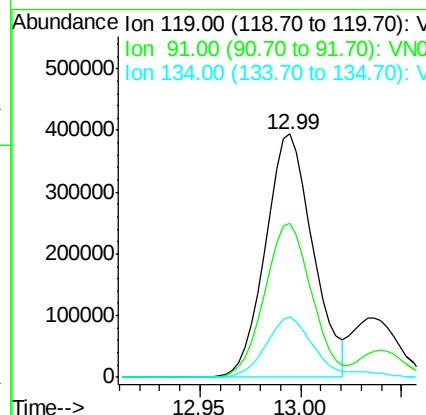
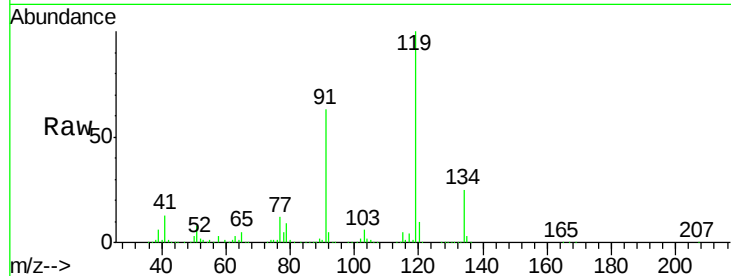
ClientSampleId :

VN0115WBSD01

Tot Ion:	119	Resp:	645529
Ion Ratio	Lower	Upper	
119	100		
91	63.1	31.6	95.0
134	25.8	12.9	38.6

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#84

1,2,4-Trimethylbenzene

Concen: 21.368 ug/l

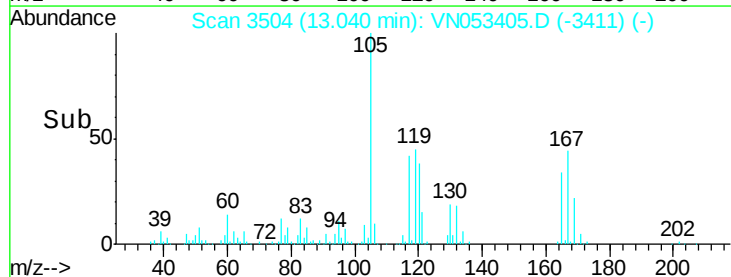
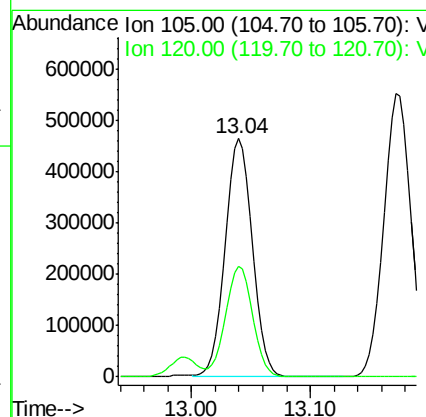
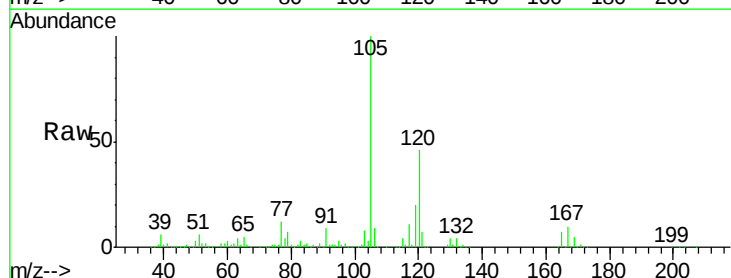
RT: 13.04 min Scan# 3504

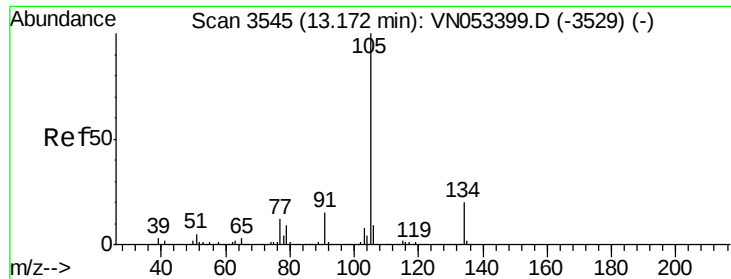
Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	105	Resp:	735236
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 21.303 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion:105 Resp: 880575

Ion Ratio Lower Upper

105 100

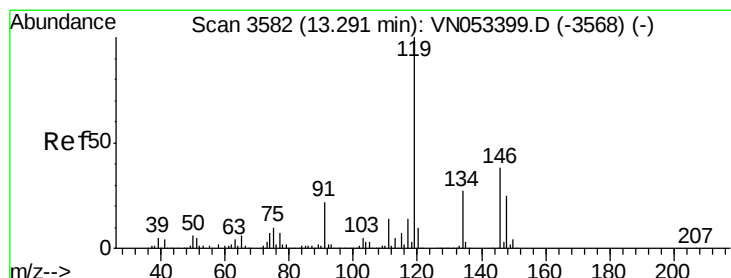
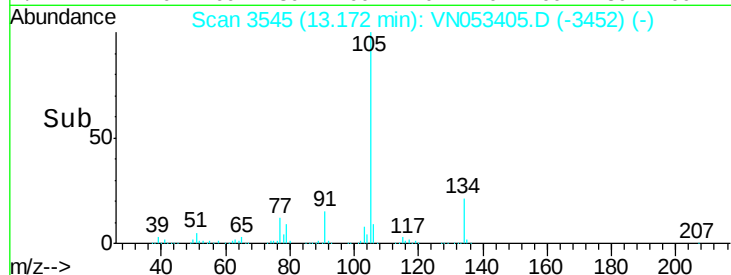
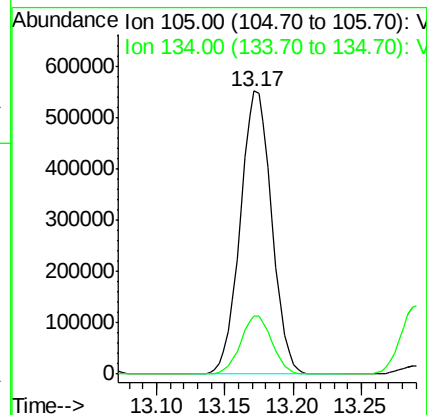
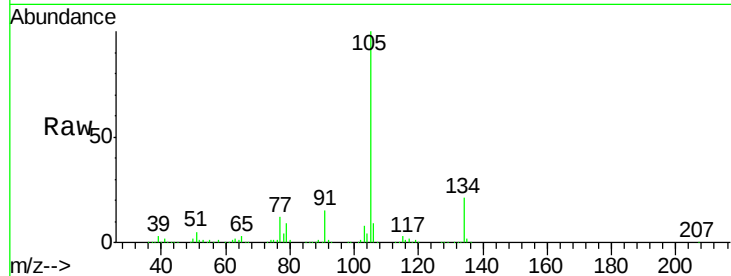
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 21.225 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

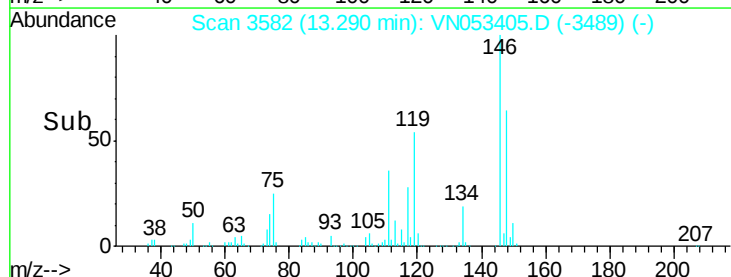
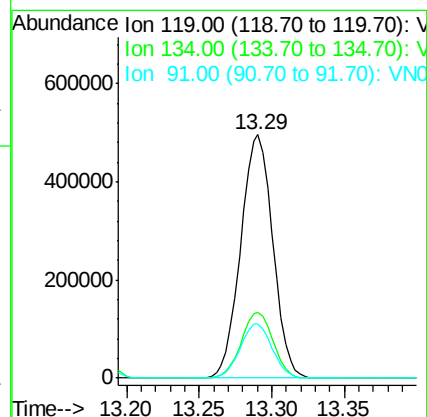
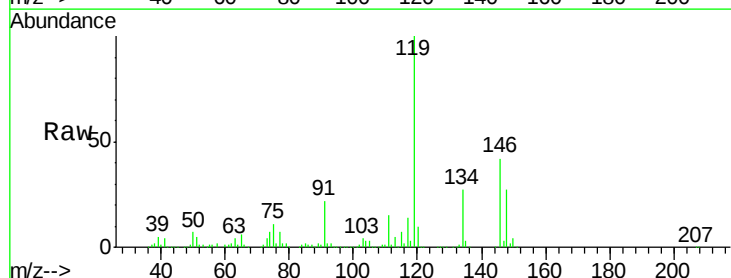
Tgt Ion:119 Resp: 761776

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 21.095 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053405.D

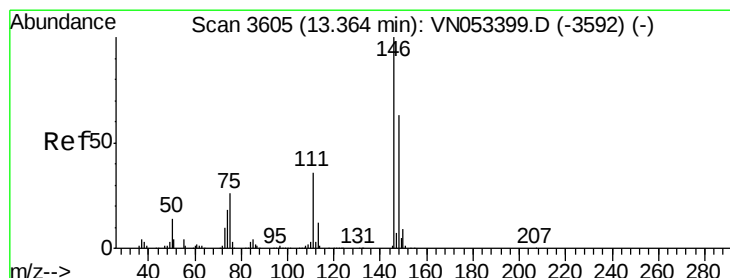
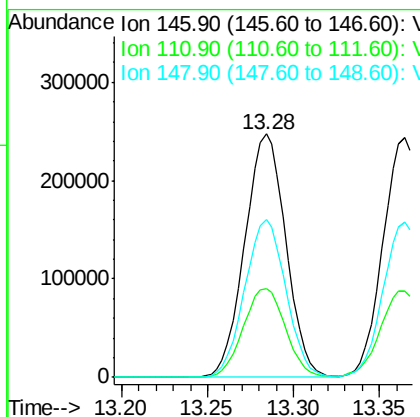
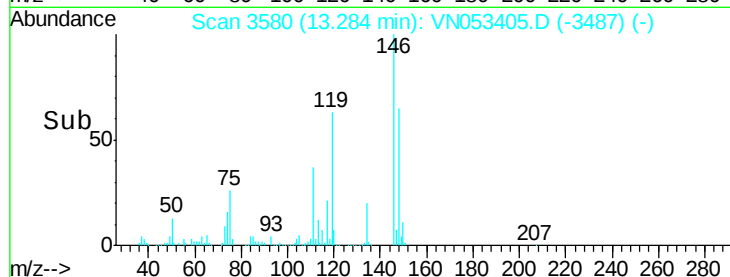
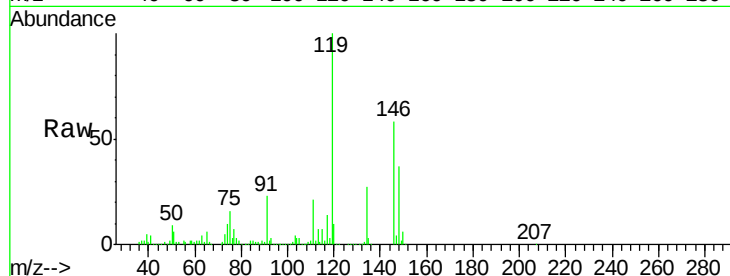
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	410093		
111	37.5	18.9	56.5	
148	64.8	32.0	96.2	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.749 ug/l

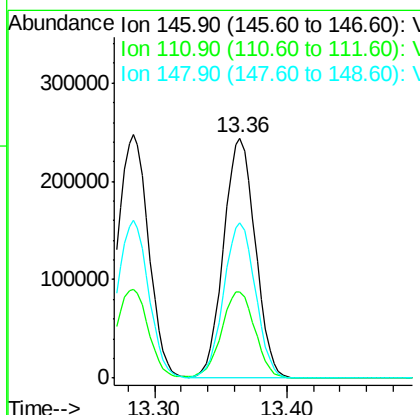
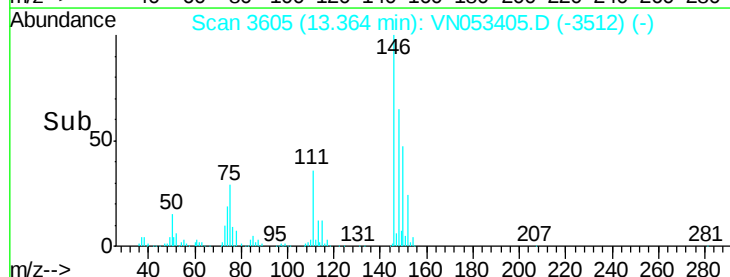
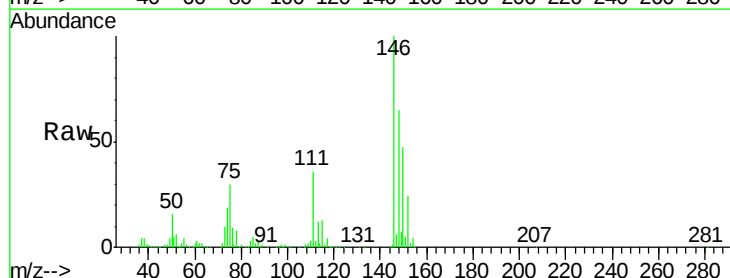
RT: 13.36 min Scan# 3605

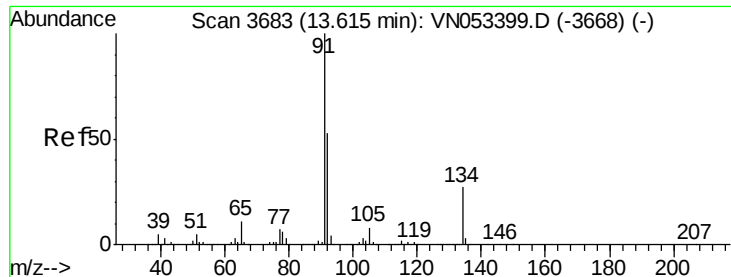
Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	404618		
111	38.0	18.6	55.8	
148	64.7	32.0	96.0	





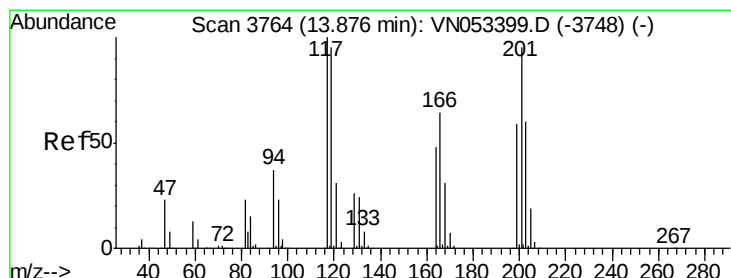
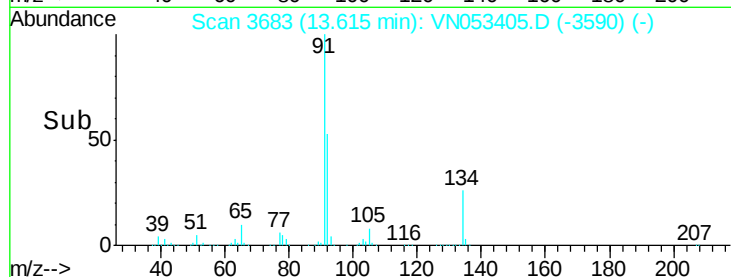
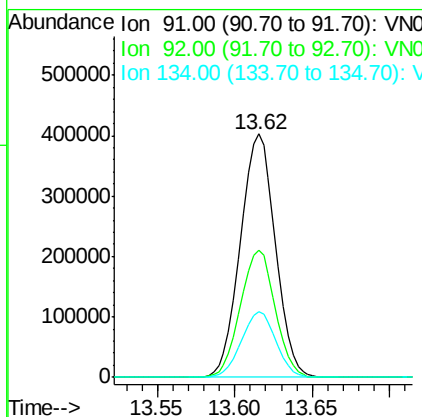
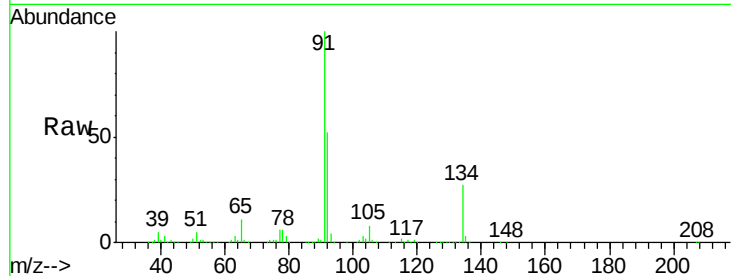
#89
n-Butylbenzene
Concen: 20.718 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	26.7	13.5	40.5

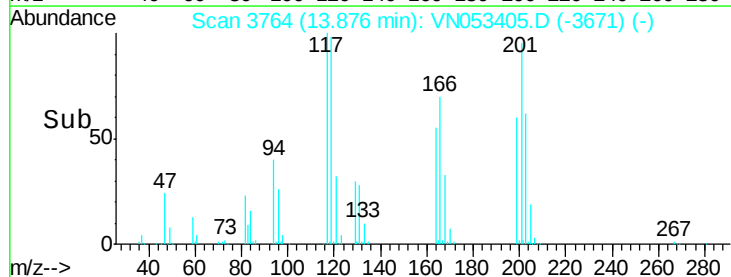
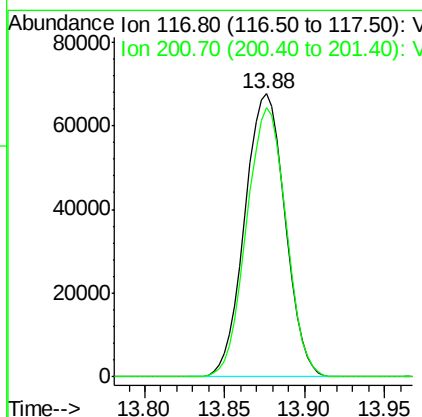
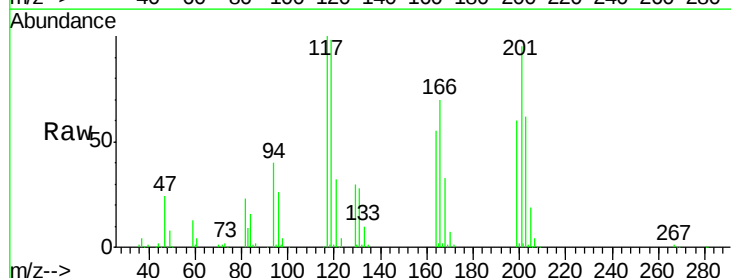
Manual Integrations
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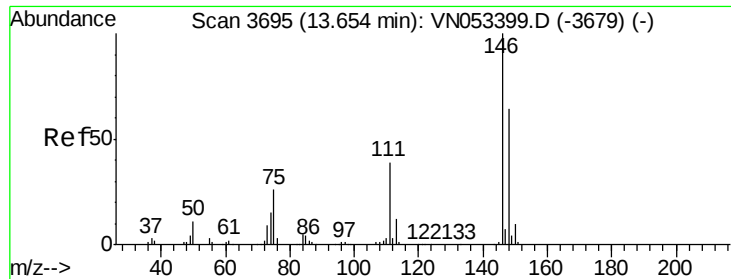
MMDadoda
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#90
Hexachloroethane
Concen: 20.726 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.1	138.3





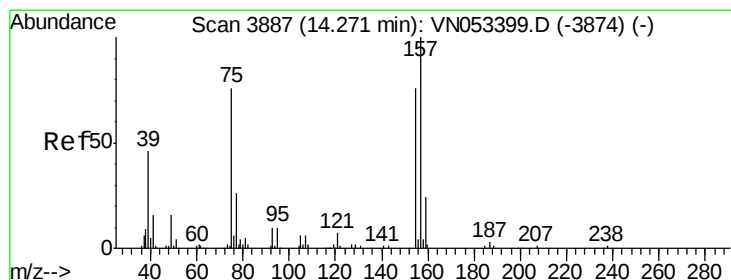
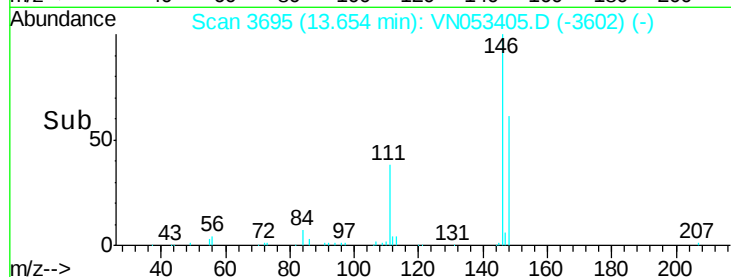
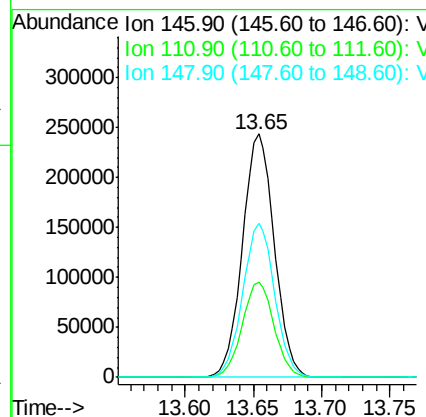
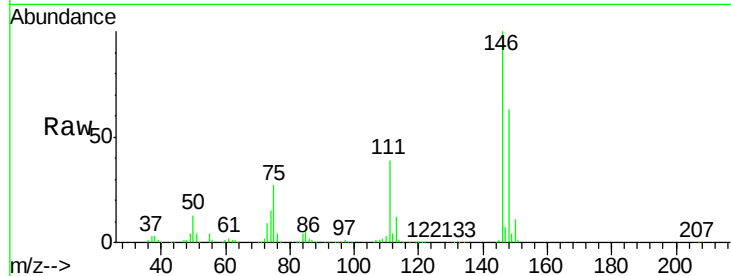
#91
 1,2-Dichlorobenzene
 Concen: 22.060 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	63.4	32.2	96.6

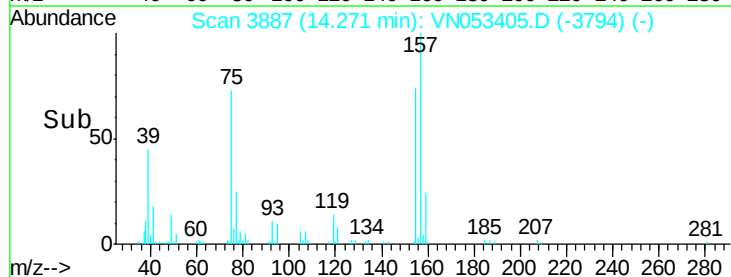
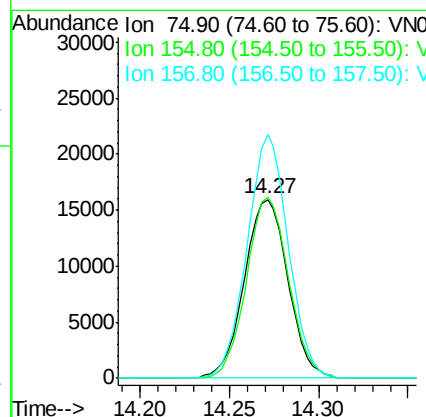
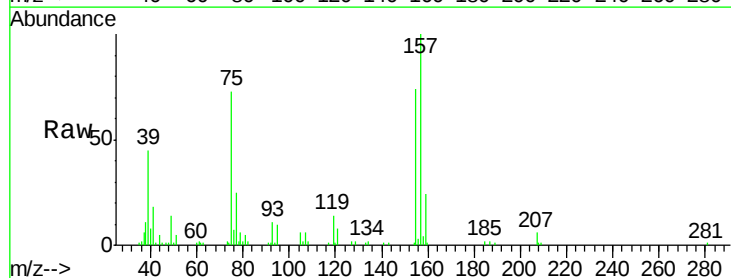
Manual Integrations
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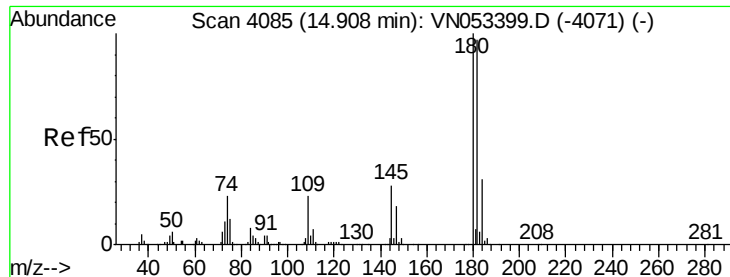
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.410 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.1	144.3
157	128.6	61.5	184.4





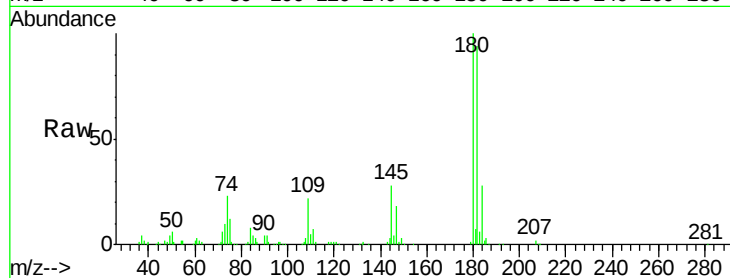
#93
 1,2,4-Trichlorobenzene
 Concen: 22.293 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

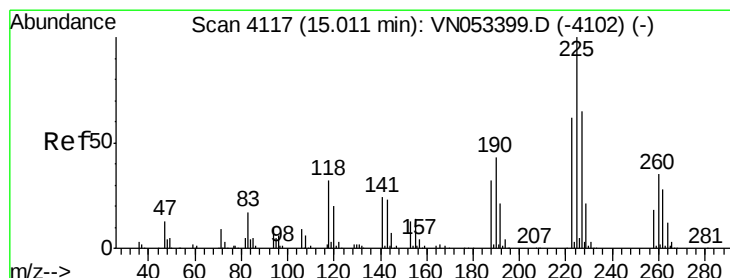
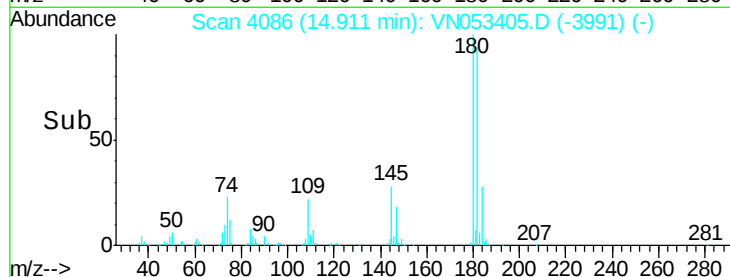
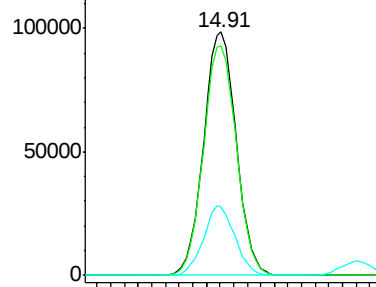
Tot Ion	Ratio	Resp	Lower	Upper
180	100	163118		
182	95.3	47.8	143.4	
145	27.6	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:30 AM

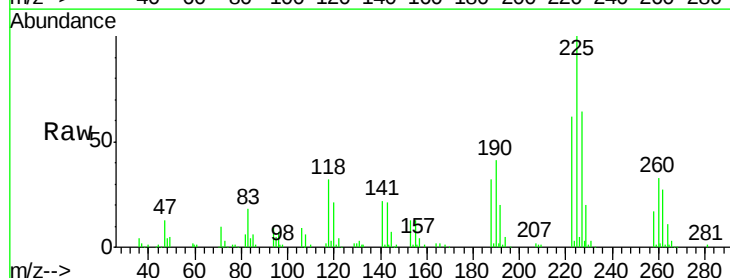


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

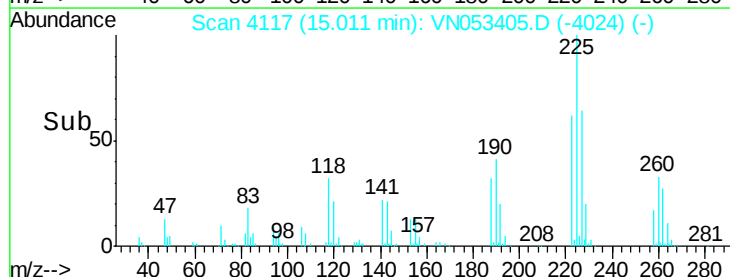
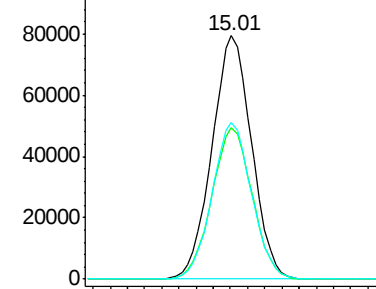


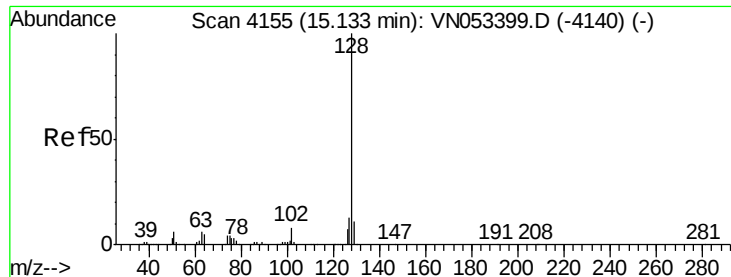
#94
 Hexachlorobutadiene
 Concen: 22.654 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126392		
223	63.5	30.9	92.8	
227	63.9	31.4	94.2	



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





#95

Naphthalene

Concen: 23.286 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

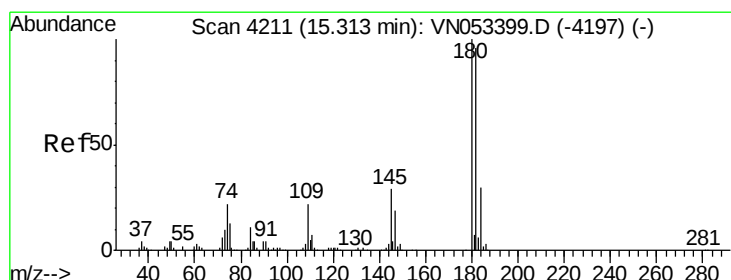
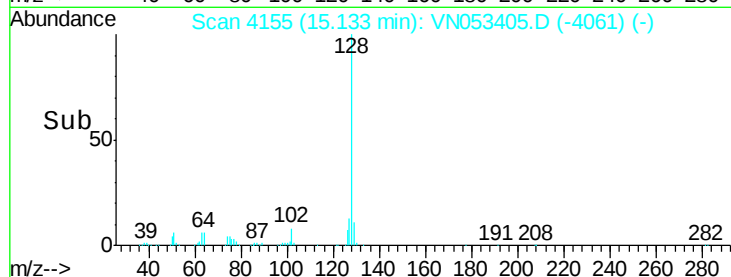
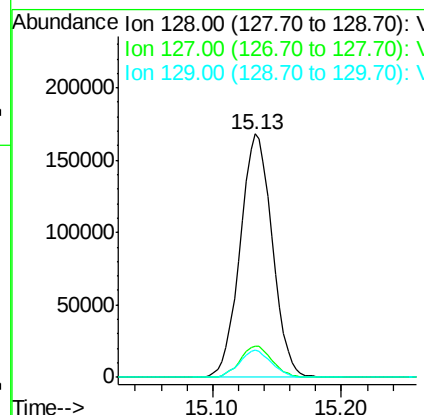
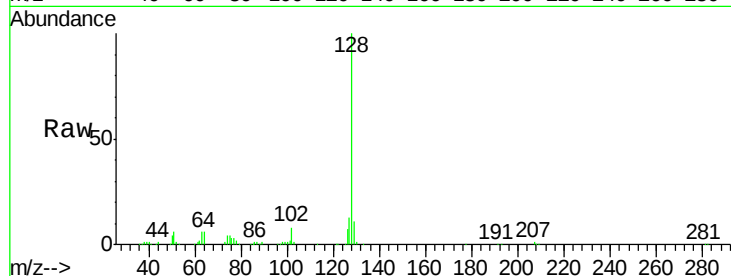
ClientSampleId :

VN0115WBSD01

Tot Ion:	128	Resp:	290776
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:51:30 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.116 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:	180	Resp:	120331
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.4	145.0
145	29.7	14.9	44.5

