

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053860.D
 Acq On : 19 Feb 2019 11:07
 Operator : JC/SP
 Sample : VN0219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:14:58 AM

Quant Time: Feb 20 03:32:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	580833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	908306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	794876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	373994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	319869	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
35) Dibromofluoromethane	7.59	113	303402	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.09	98	1073202	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	377317	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109521	16.950	ug/l	100
3) Chloromethane	2.06	50	119441	17.321	ug/l	100
4) Vinyl Chloride	2.19	62	134802	20.138	ug/l	98
5) Bromomethane	2.57	94	94255	21.535	ug/l	97
6) Chloroethane	2.71	64	83978	21.954	ug/l	100
7) Trichlorofluoromethane	3.02	101	187882	20.698	ug/l	100
8) Diethyl Ether	3.41	74	68333	20.613	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111751	19.906	ug/l	98
10) Methyl Iodide	3.96	142	155829	17.685	ug/l	100
11) Tert butyl alcohol	4.79	59	42012	121.827	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	101957	18.956	ug/l	99
13) Acrolein	3.61	56	10441	55.610	ug/l	95
14) Allyl chloride	4.32	41	163283	19.066	ug/l	98
15) Acrylonitrile	4.99	53	201399	108.182	ug/l	99
16) Acetone	3.81	43	161523	108.070	ug/l	98
17) Carbon Disulfide	4.06	76	262150	15.653	ug/l	100
18) Methyl Acetate	4.32	43	108612	24.538	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	290030	21.271	ug/l	97
20) Methylene Chloride	4.55	84	121146	19.320	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	109898	18.939	ug/l	96
22) Diisopropyl ether	5.95	45	323925	20.413	ug/l	96
23) Vinyl Acetate	5.90	43	1104479	100.613	ug/l	98
24) 1,1-Dichloroethane	5.85	63	220276	20.812	ug/l	99
25) 2-Butanone	6.84	43	223839	105.008	ug/l	98
26) 2,2-Dichloropropane	6.82	77	161321	19.967	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	130787	20.269	ug/l	96
28) Bromochloromethane	7.19	49	86604	18.855	ug/l	93
29) Tetrahydrofuran	7.21	42	145773	106.498	ug/l	97
30) Chloroform	7.37	83	216546	20.639	ug/l	99
31) Cyclohexane	7.65	56	177532	17.907	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	182607	20.914	ug/l	99
36) 1,1-Dichloropropene	7.79	75	156887	19.161	ug/l	98
37) Ethyl Acetate	6.93	43	93595	20.467	ug/l #	92
38) Carbon Tetrachloride	7.78	117	164884	19.990	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	166527	17.143	ug/l	98
40) Benzene	8.04	78	494014	19.566	ug/l	99
41) Methacrylonitrile	7.17	41	53413	20.899	ug/l	93
42) 1,2-Dichloroethane	8.12	62	149682	19.966	ug/l	99
43) Isopropyl Acetate	8.17	43	183274	20.753	ug/l #	85
44) Trichloroethene	8.83	130	134904	18.767	ug/l	98
45) 1,2-Dichloropropane	9.12	63	128473	19.893	ug/l	100
46) Dibromomethane	9.21	93	77022	19.785	ug/l	97
47) Bromodichloromethane	9.40	83	161192	19.914	ug/l	97
48) Methyl methacrylate	9.20	41	78355	18.587	ug/l	94
49) 1,4-Dioxane	9.20	88	26487	455.765	ug/l #	90
51) 4-Methyl-2-Pentanone	9.99	43	449614	103.604	ug/l	99
52) Toluene	10.16	92	291076	19.424	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156388	19.295	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	185566	19.320	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	111364	20.624	ug/l	99
56) Ethyl methacrylate	10.43	69	126736	19.840	ug/l	99
57) 1,3-Dichloropropane	10.71	76	185772	20.130	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	280269	76.488	ug/l	98
59) 2-Hexanone	10.75	43	289908	98.404	ug/l	99
60) Dibromochloromethane	10.90	129	128531	21.108	ug/l	97
61) 1,2-Dibromoethane	11.00	107	105609	19.760	ug/l	100
64) Tetrachloroethene	10.63	164	132336	19.422	ug/l	98
65) Chlorobenzene	11.44	112	342105	20.262	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	130107	22.065	ug/l	99
67) Ethyl Benzene	11.51	91	556191	20.054	ug/l	99
68) m/p-Xylenes	11.62	106	424797	40.130	ug/l	100
69) o-Xylene	11.95	106	208106	20.349	ug/l	100
70) Styrene	11.96	104	338103	20.398	ug/l	99
71) Bromoform	12.13	173	92128	22.790	ug/l #	100
73) Isopropylbenzene	12.25	105	566812	21.559	ug/l	100
74) N-amyl acetate	12.07	43	127115	20.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	136477	21.690	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	137397m	28.602	ug/l	
77) Bromobenzene	12.53	156	147923	20.876	ug/l	99
78) n-propylbenzene	12.59	91	631186	20.767	ug/l	100
79) 2-Chlorotoluene	12.68	91	376796	20.896	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	470717	21.591	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34814	20.379	ug/l	96
82) 4-Chlorotoluene	12.77	91	376858	20.368	ug/l	99
83) tert-Butylbenzene	12.99	119	422619	21.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	469410	21.133	ug/l	99
85) sec-Butylbenzene	13.17	105	559134	21.324	ug/l	99
86) p-Isopropyltoluene	13.29	119	478955	20.885	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	250222	19.644	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	247055	19.608	ug/l	99
89) n-Butylbenzene	13.62	91	389509	19.623	ug/l	99
90) Hexachloroethane	13.88	117	83486	22.070	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	249300	20.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19125	21.327	ug/l	95

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ClientSampleId :
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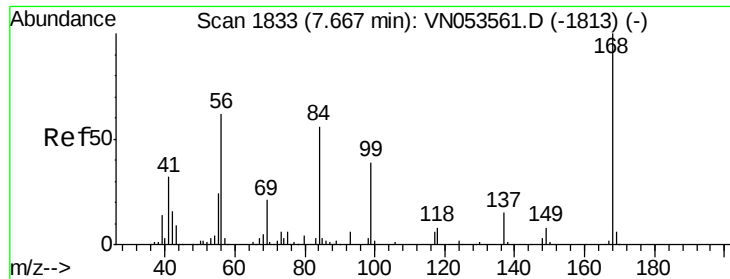
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	128229	18.335	ug/l	99
94) Hexachlorobutadiene	15.01	225	97753	22.444	ug/l	100
95) Naphthalene	15.13	128	248478	16.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	128326	19.775	ug/l	99

(#) = 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: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleID :

VN0219WBSD01

Tot Ion:168 Resp: 580833

Ion Ratio Lower Upper

168 100

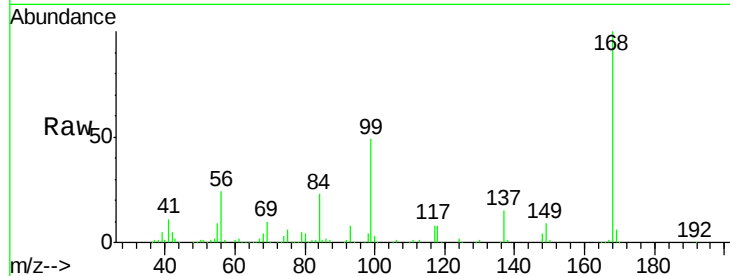
99 47.7 39.1 58.7

Manual Integrations

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2/20/2019 10:14:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

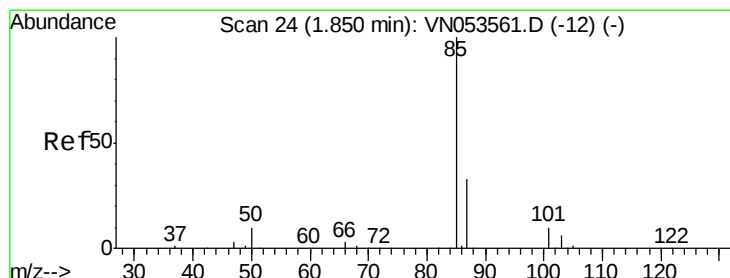
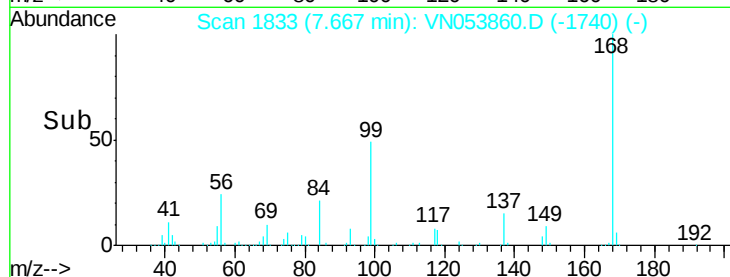
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.950 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053860.D

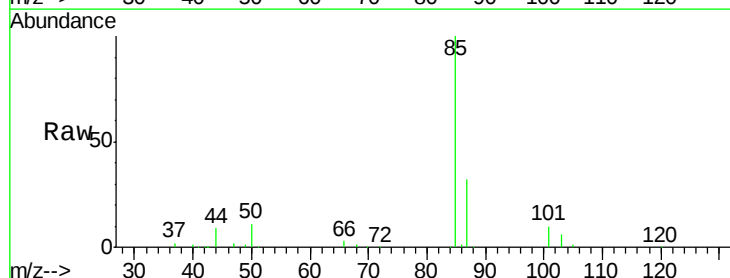
Acq: 19 Feb 2019 11:07

Tgt Ion: 85 Resp: 109521

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

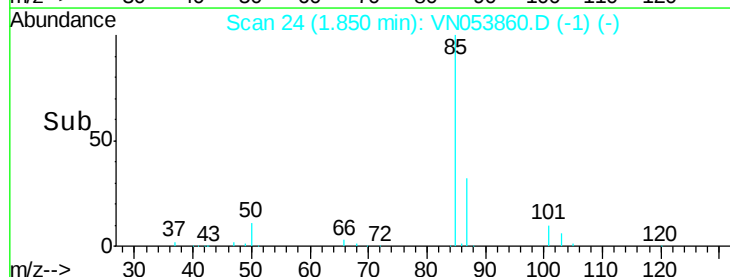
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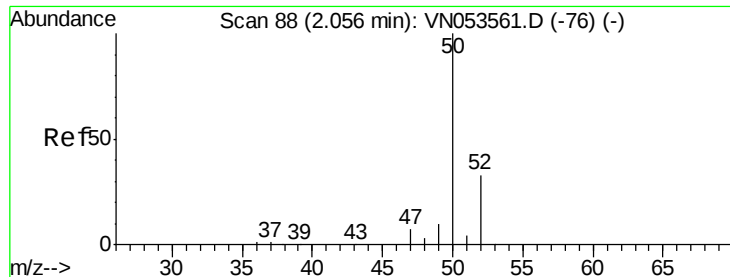
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.321 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 50 Resp: 119441

Ion Ratio Lower Upper

50 100

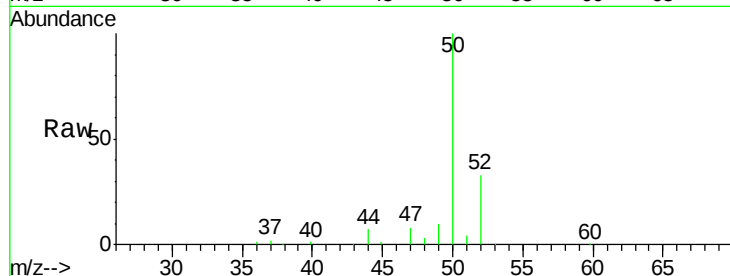
52 33.3 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

80000

60000

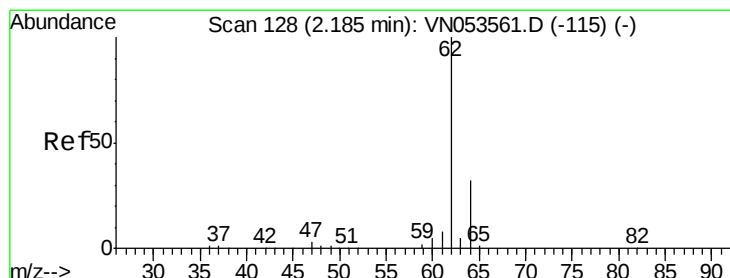
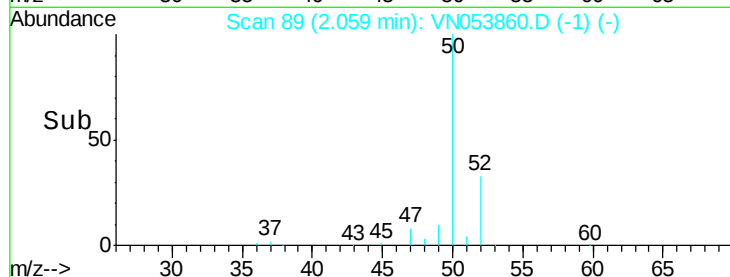
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20000

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Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 20.138 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053860.D

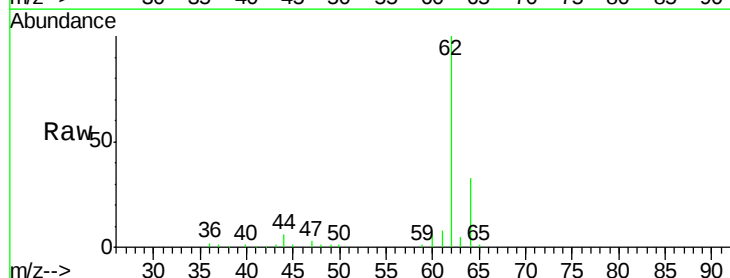
Acq: 19 Feb 2019 11:07

Tgt Ion: 62 Resp: 134802

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

100000

80000

60000

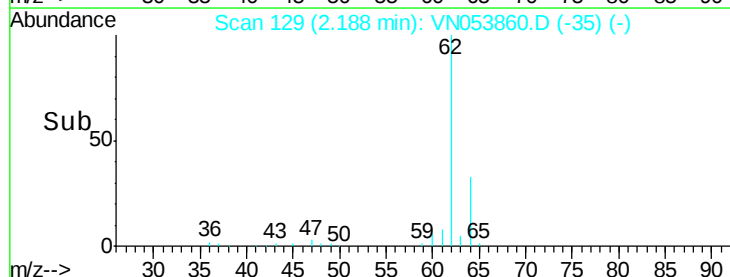
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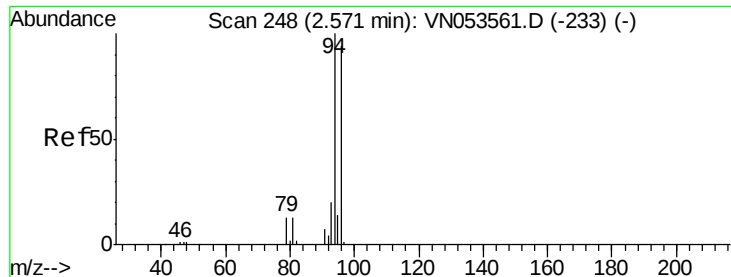
20000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 21.535 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

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VN0219WBSD01

Tot Ion: 94 Resp: 94255

Ion Ratio Lower Upper

94 100

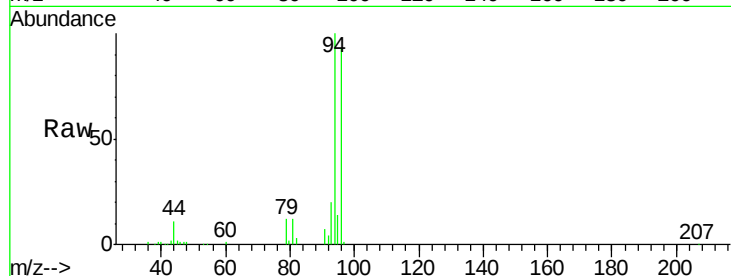
96 93.4 76.8 115.2

Manual Integrations

APPROVED

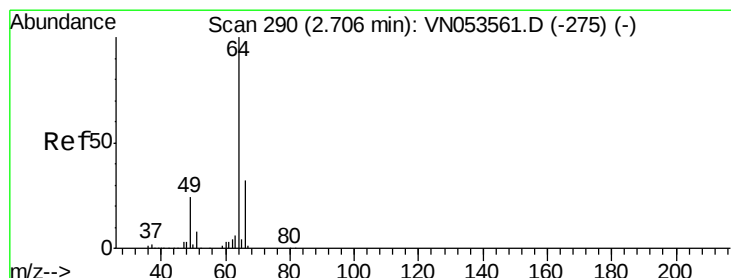
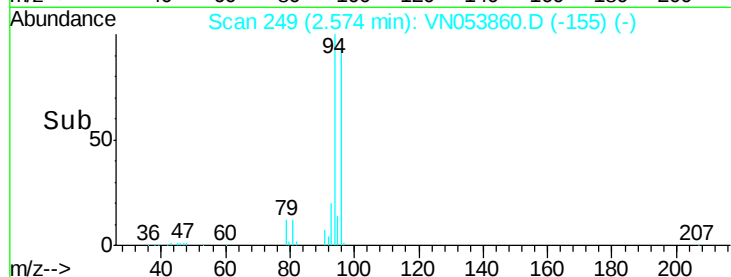
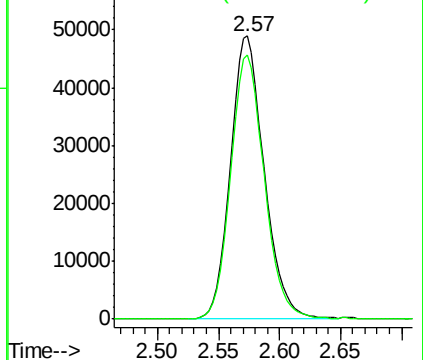
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2/20/2019 10:14:58 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 21.954 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053860.D

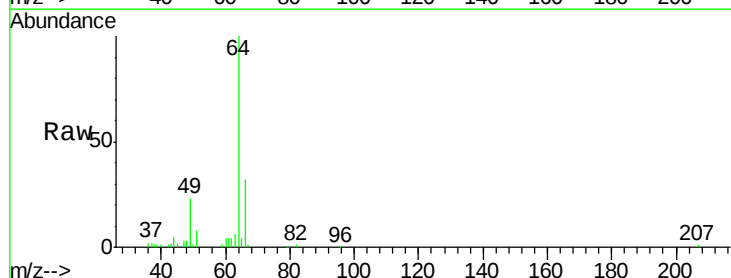
Acq: 19 Feb 2019 11:07

Tgt Ion: 64 Resp: 83978

Ion Ratio Lower Upper

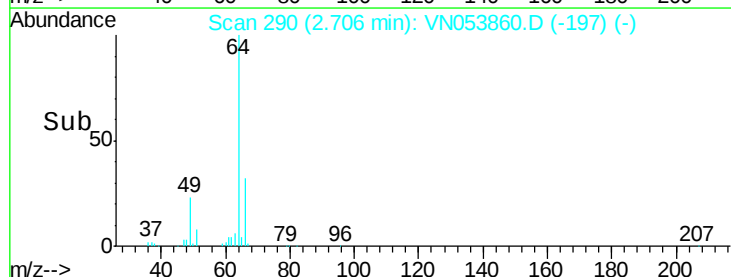
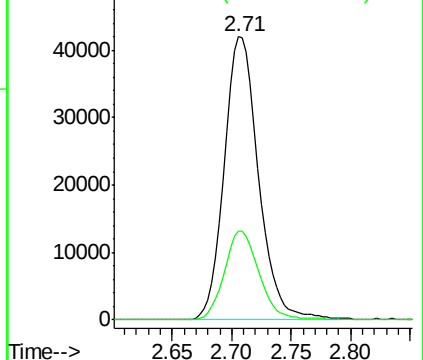
64 100

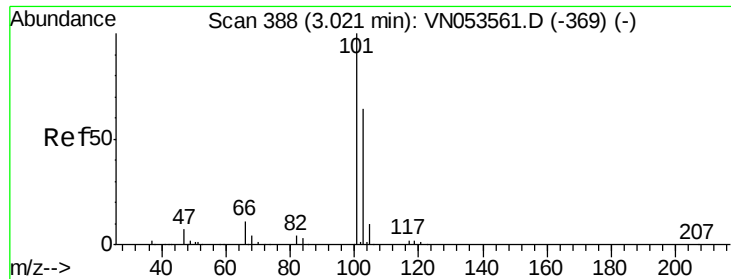
66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

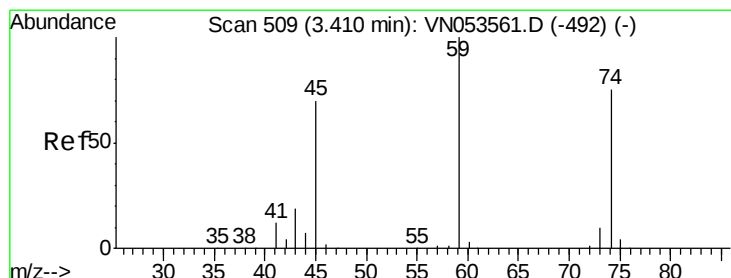
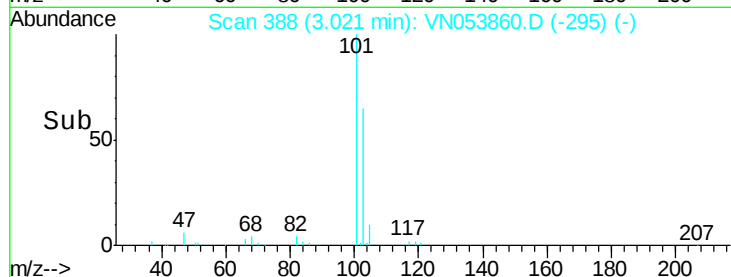
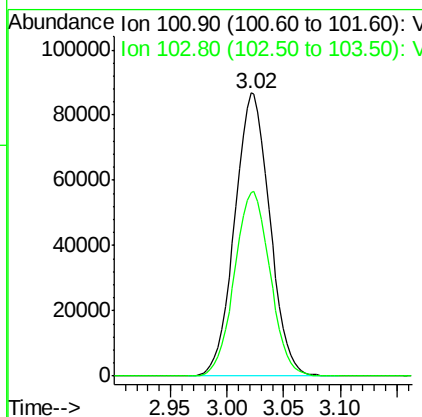
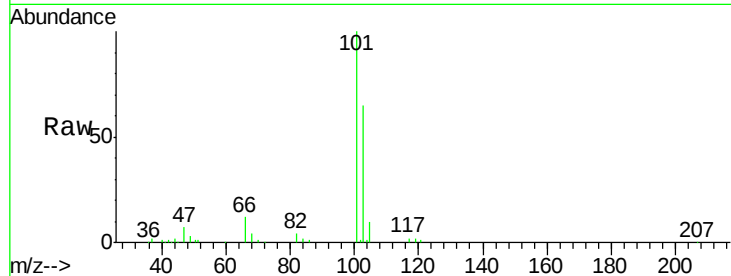
Trichlorofluoromethane
 Concen: 20.698 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

Manual Integrations
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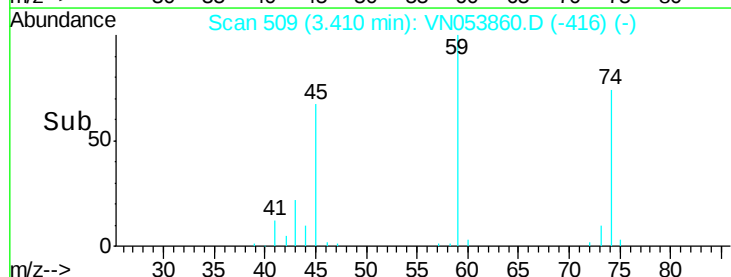
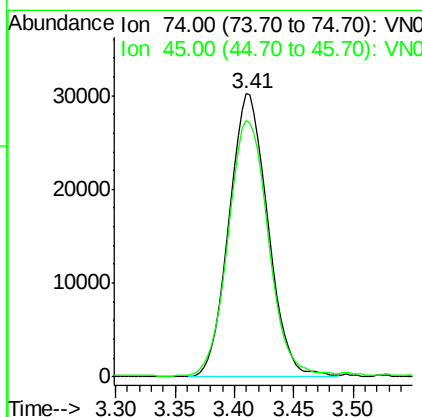
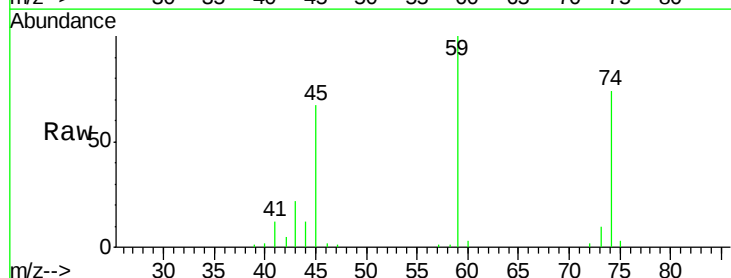
MMDadoda
 2/20/2019 10:14:58 AM

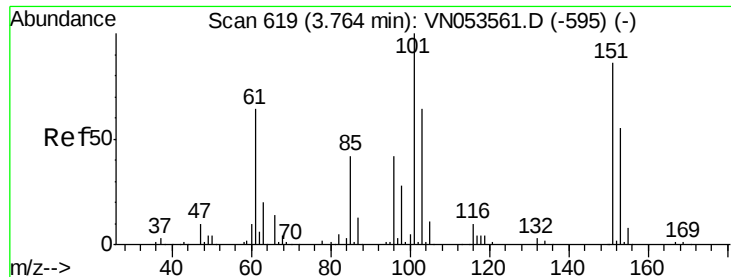


#8

Diethyl Ether
 Concen: 20.613 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.906 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

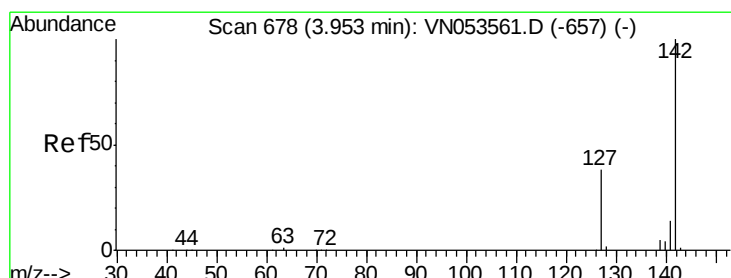
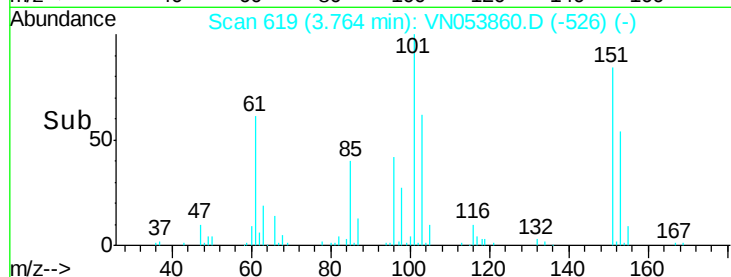
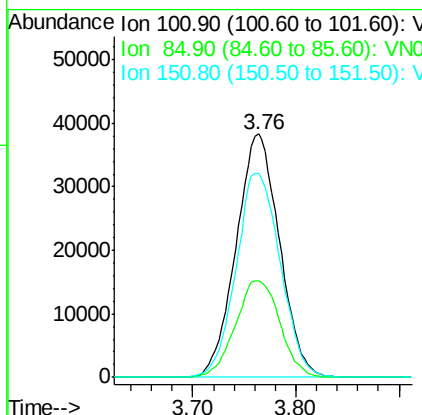
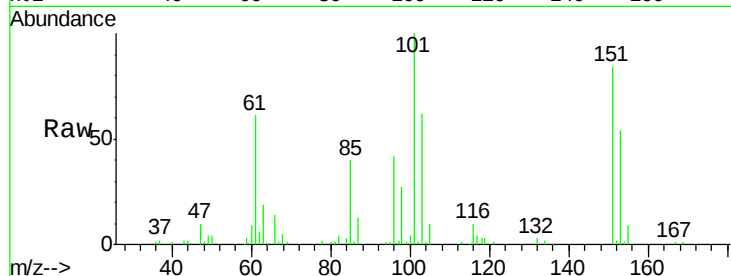
ClientSampleId :

VN0219WBSD01

Tot Ion:	101	Resp:	111751
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.8	49.2
151	85.9	66.9	100.3

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#10

Methyl Iodide

Concen: 17.685 ug/l

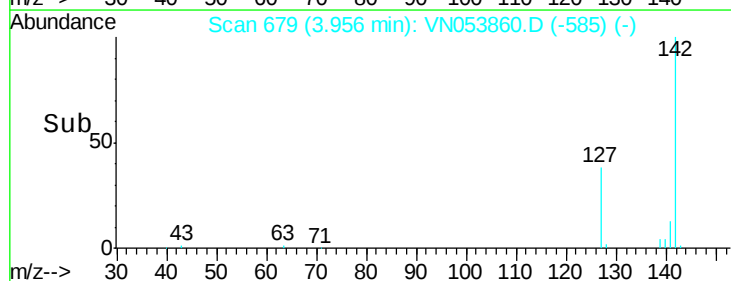
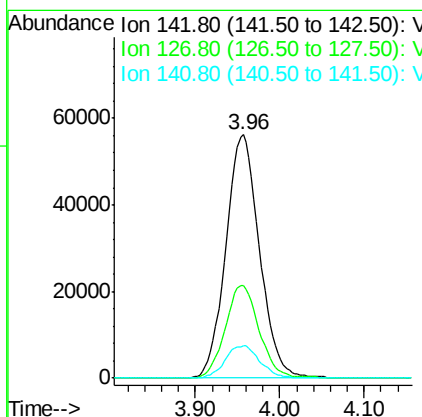
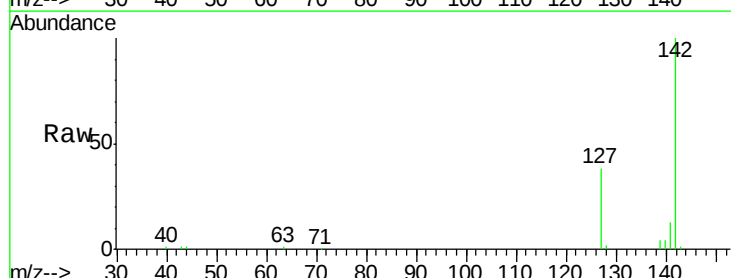
RT: 3.96 min Scan# 679

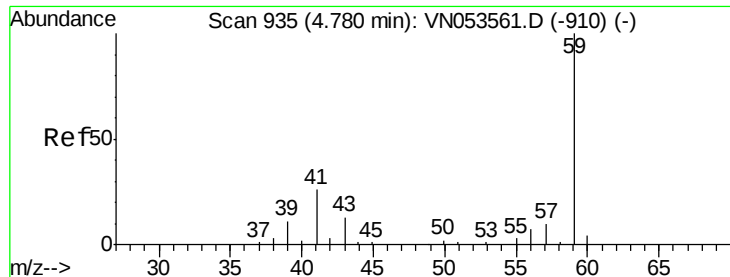
Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	142	Resp:	155829
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	13.8	11.1	16.7





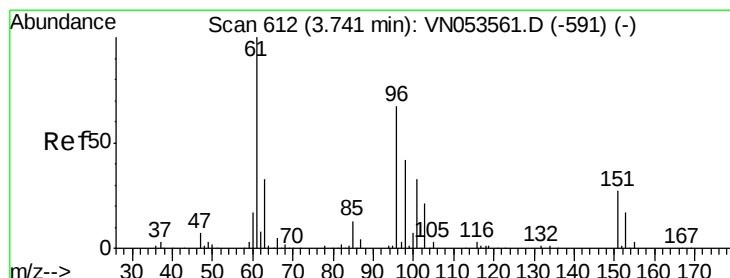
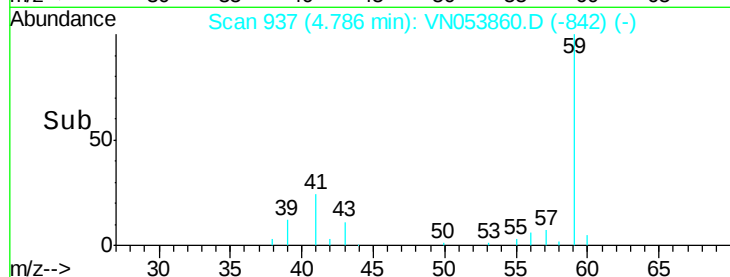
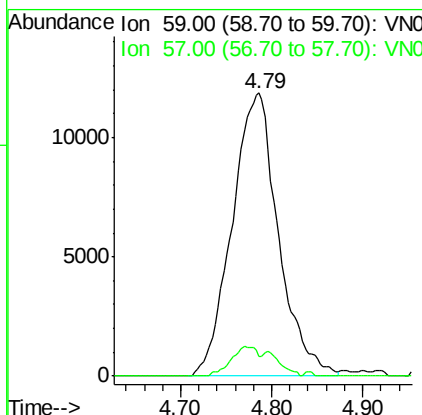
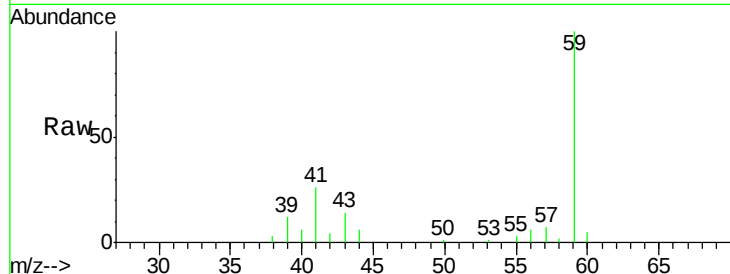
#11
Tert butyl alcohol
Concen: 121.827 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	42012		
57	6.3		8.2	12.4#

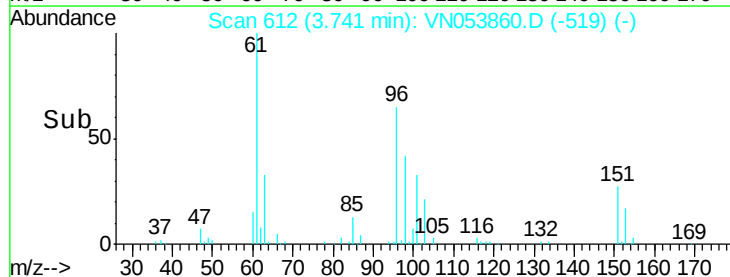
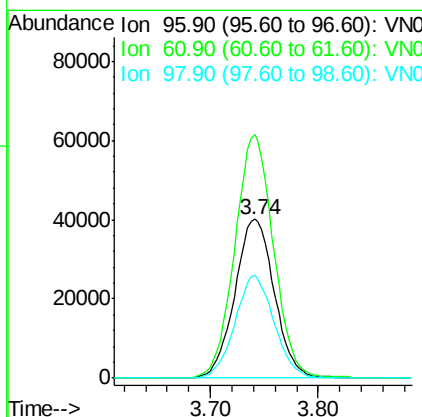
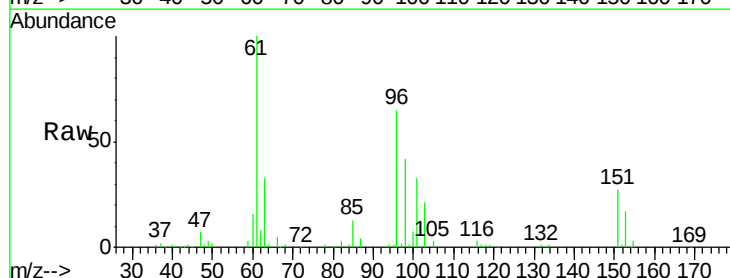
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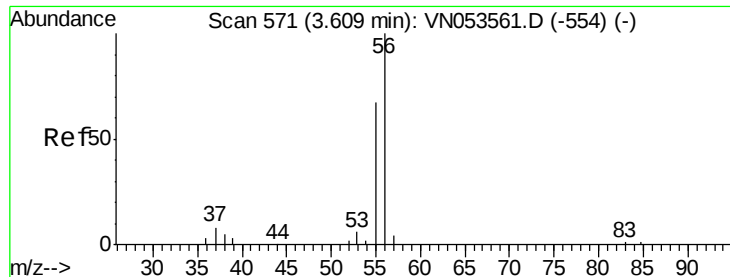
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#12
1,1-Dichloroethene
Concen: 18.956 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	101957		
61	153.3		122.9	184.3
98	64.6		49.4	74.0





#13

Acrolein

Concen: 55.610 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 56 Resp: 10441

Ion Ratio Lower Upper

56 100

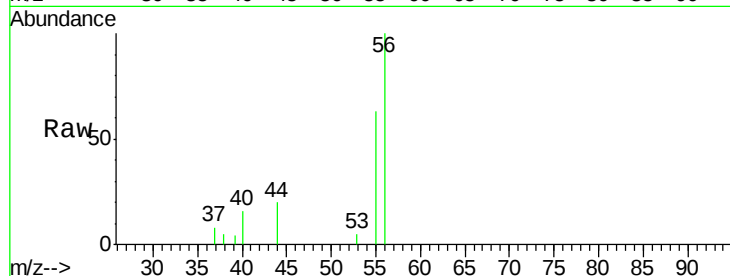
55 67.8 57.4 86.0

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Abundance Ion 56.00 (55.70 to 56.70): VN053860.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN053860.D (-478) (-)

3.61

4000

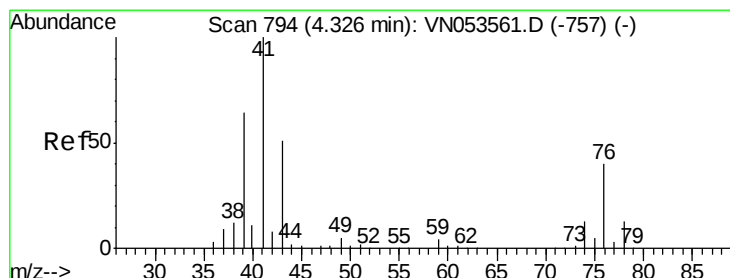
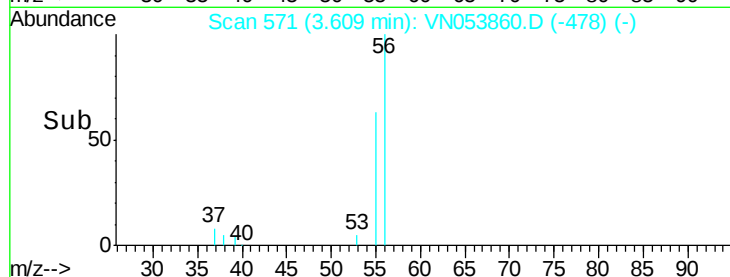
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 19.066 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

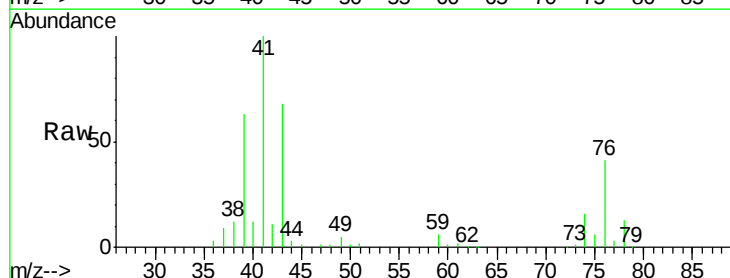
Tgt Ion: 41 Resp: 163283

Ion Ratio Lower Upper

41 100

39 61.7 48.9 73.3

76 38.6 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN053860.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN053860.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN053860.D (-701) (-)

4.32

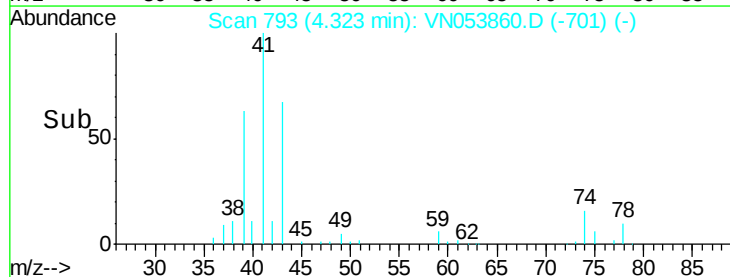
60000

40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 108.182 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

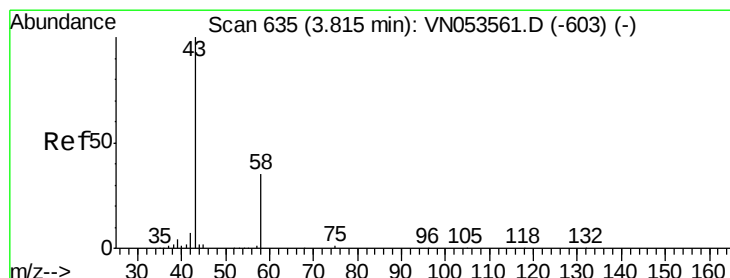
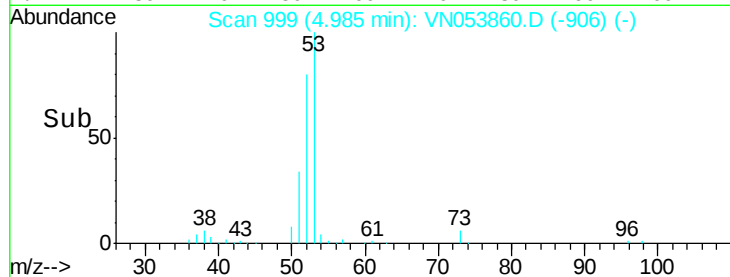
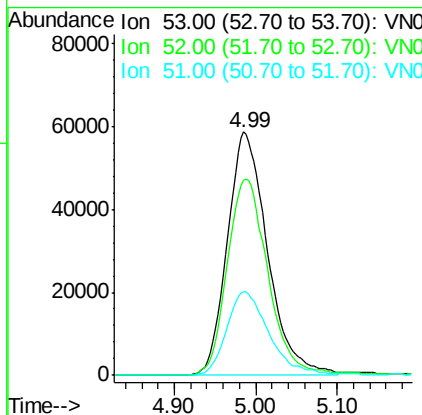
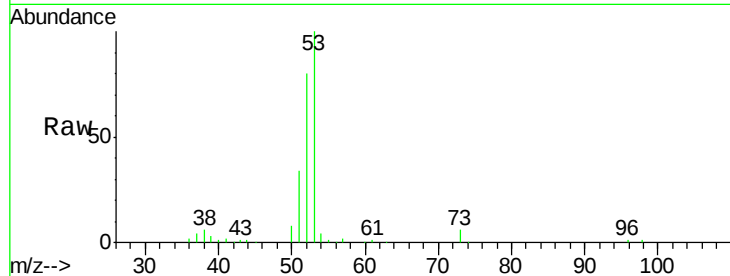
ClientSampleId :

VN0219WBSD01

Tot Ion:	53	Resp:	201399
Ion Ratio		Lower	Upper
53	100		
52	81.6	66.0	99.0
51	36.3	28.3	42.5

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#16

Acetone

Concen: 108.070 ug/l

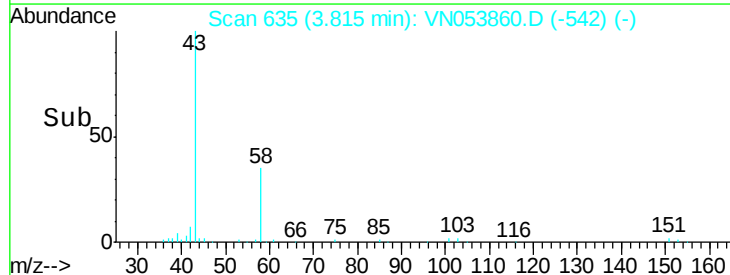
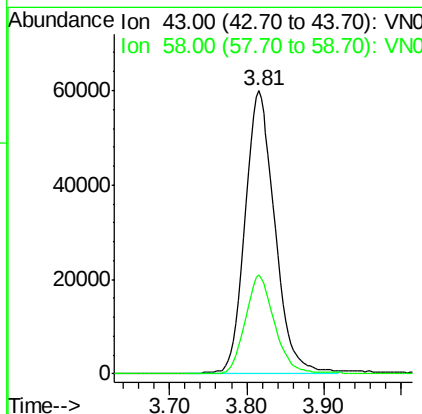
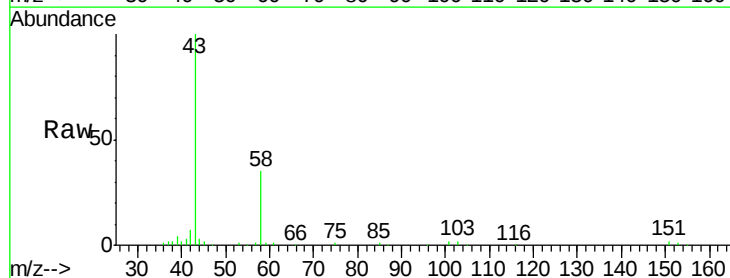
RT: 3.81 min Scan# 635

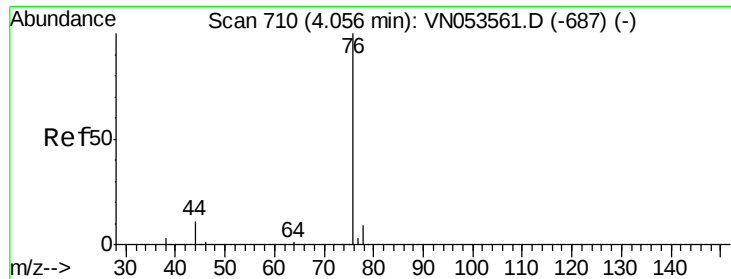
Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	43	Resp:	161523
Ion Ratio		Lower	Upper
43	100		
58	34.9	27.1	40.7





#17

Carbon Disulfide

Concen: 15.653 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 76 Resp: 262150

Ion Ratio Lower Upper

76 100

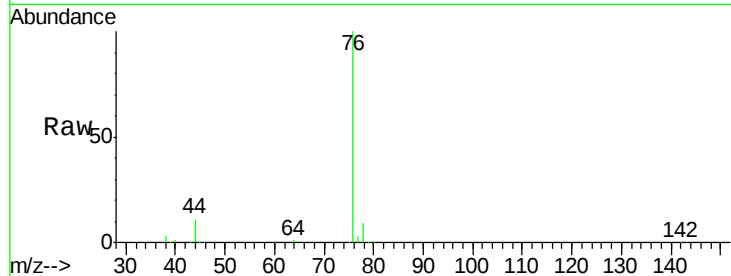
78 9.1 7.3 10.9

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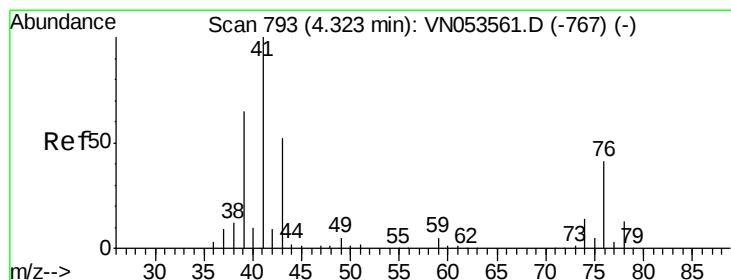
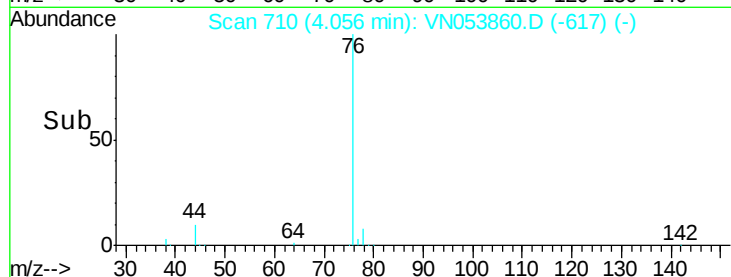
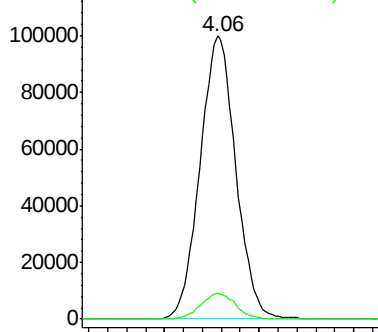
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 24.538 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053860.D

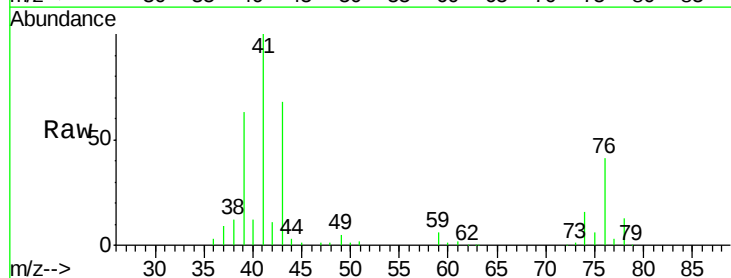
Acq: 19 Feb 2019 11:07

Tgt Ion: 43 Resp: 108612

Ion Ratio Lower Upper

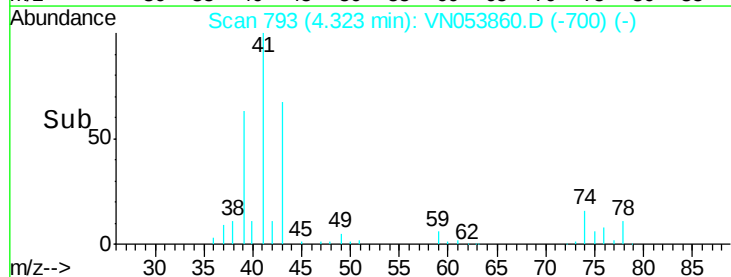
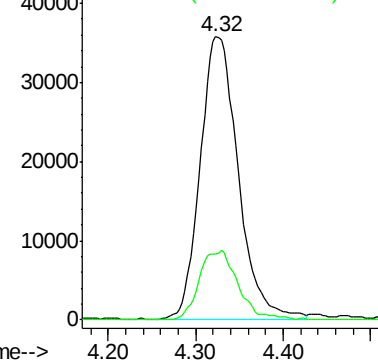
43 100

74 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





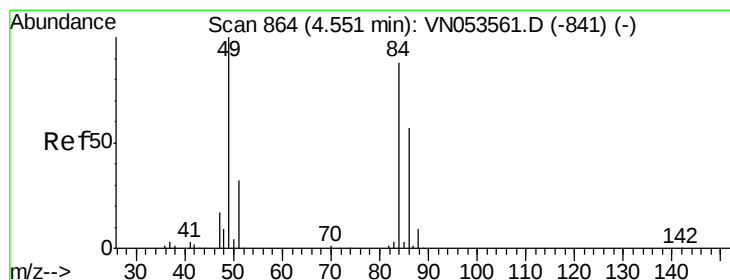
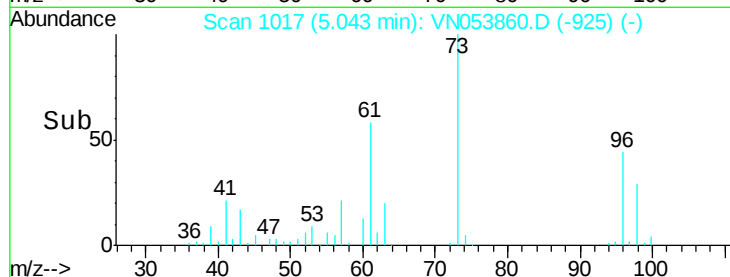
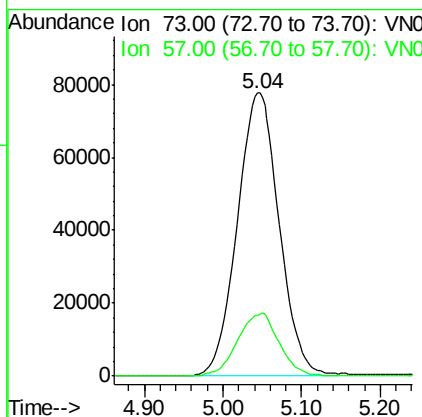
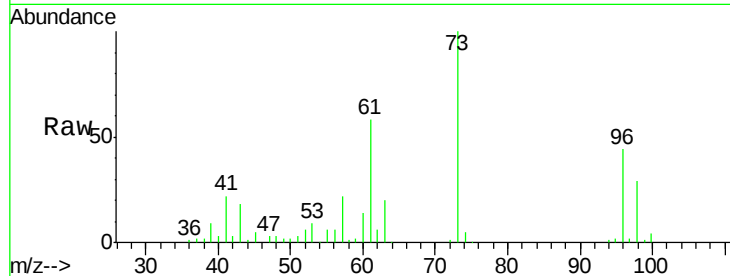
#19
Methvl tert-butvl Ether
Concen: 21.271 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 73 Resp: 290030
Ion Ratio Lower Upper
73 100
57 21.6 18.3 27.5

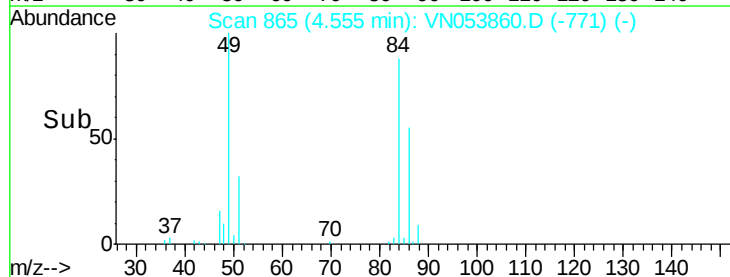
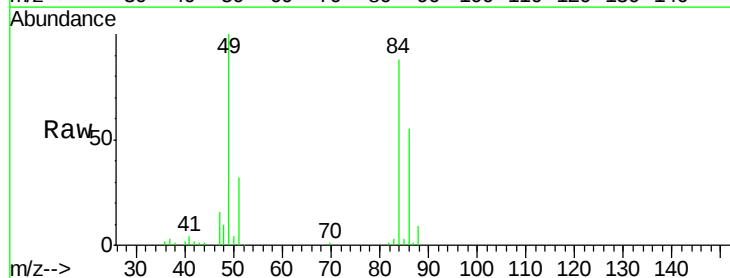
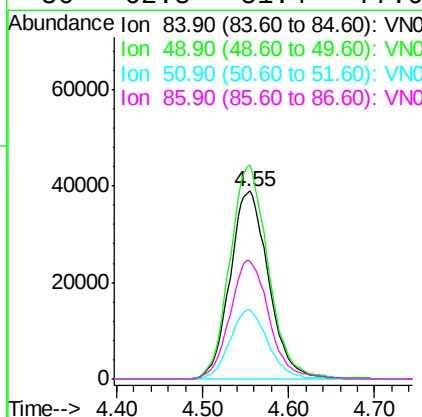
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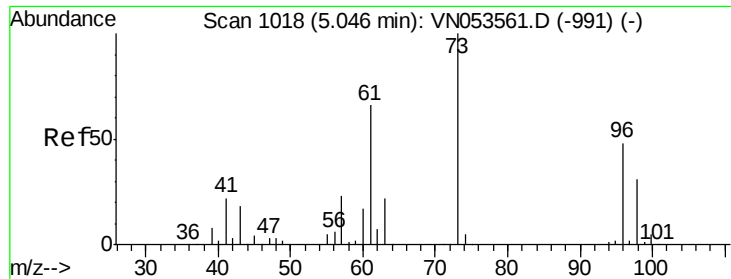
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#20
Methylene Chloride
Concen: 19.320 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 84 Resp: 121146
Ion Ratio Lower Upper
84 100
49 113.8 94.3 141.5
51 36.7 29.4 44.2
86 62.8 51.4 77.0





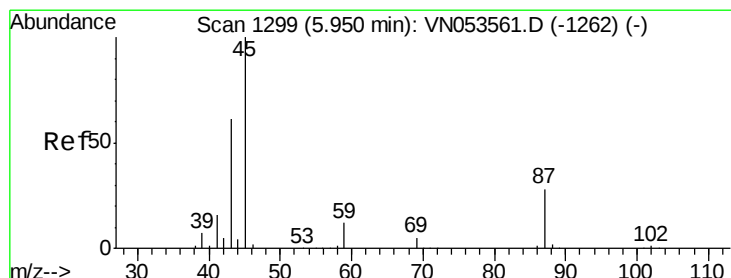
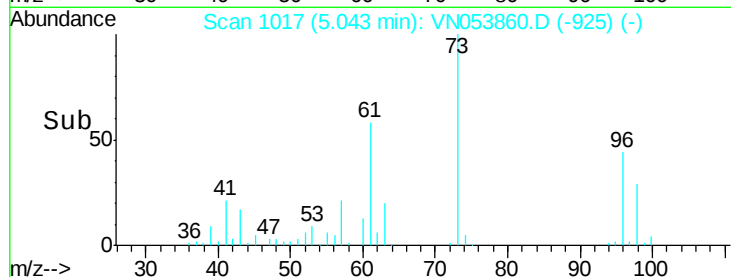
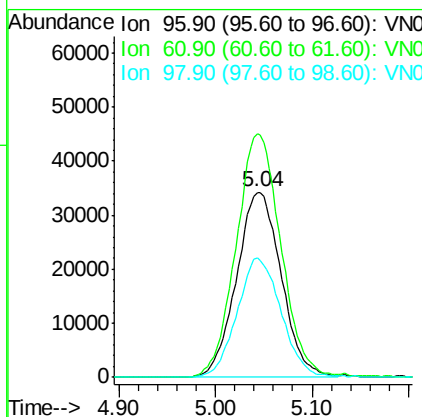
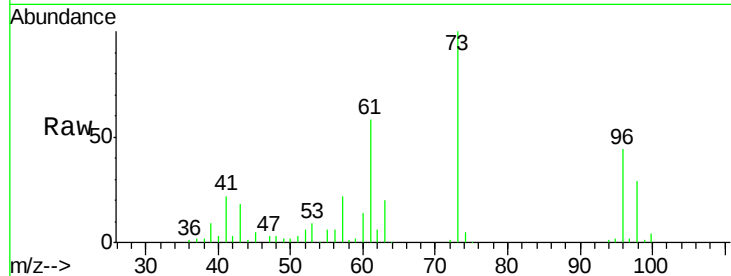
#21
trans-1,2-Dichloroethene
Concen: 18.939 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	110.1	165.1
98	64.9	50.0	75.0

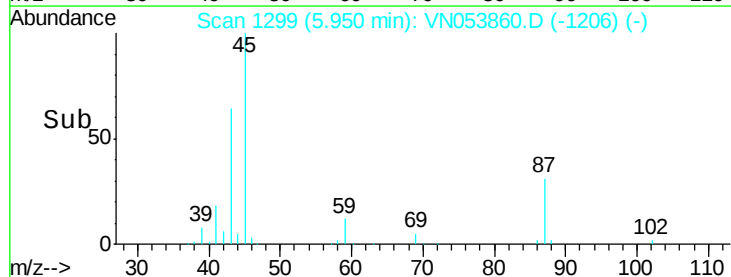
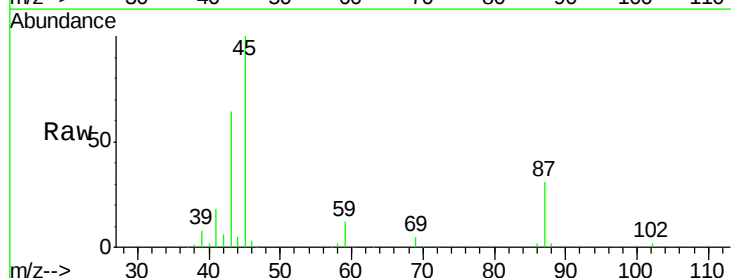
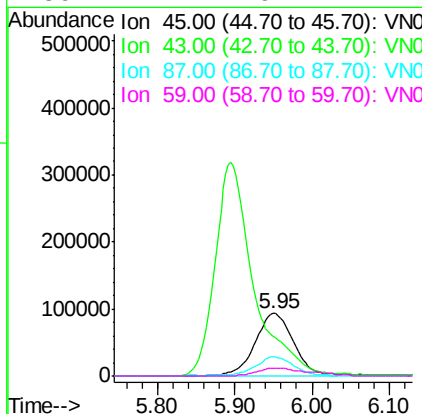
Manual Integrations
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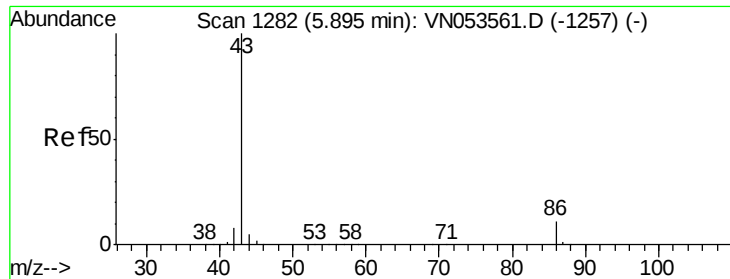
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#22
Diisopropyl ether
Concen: 20.413 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	44.2	66.4
87	29.8	22.7	34.1
59	12.2	9.4	14.2





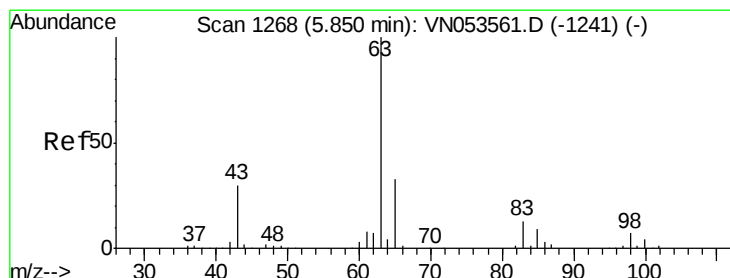
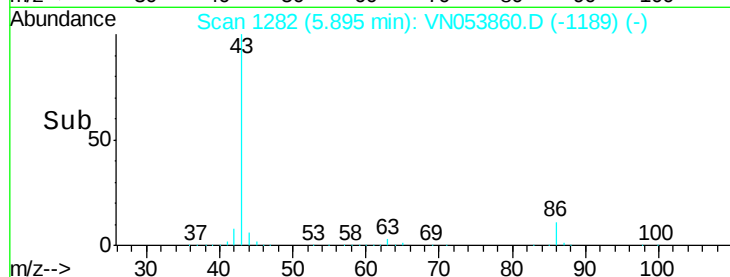
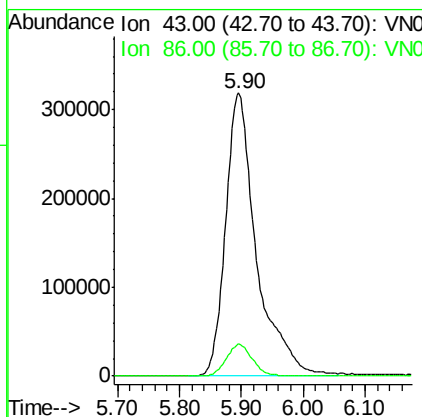
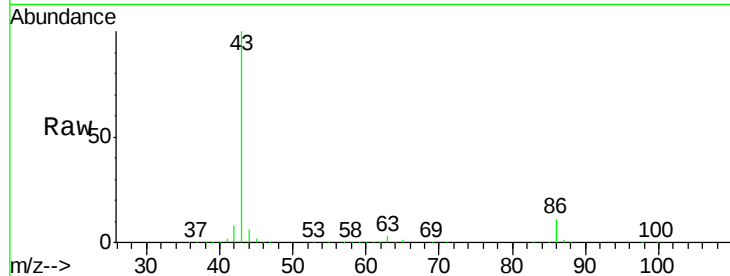
#23
 Vinyl Acetate
 Concen: 100.613 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion: 43 Resp: 1104479
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.4 12.6

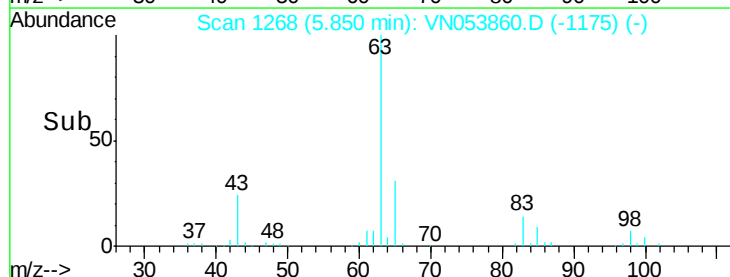
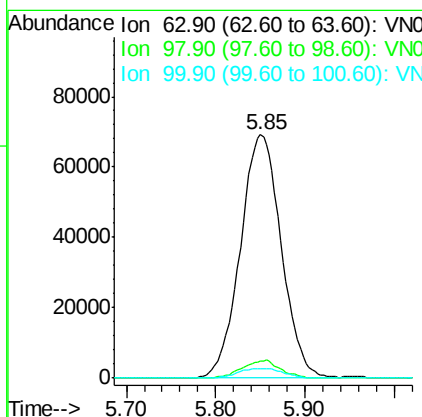
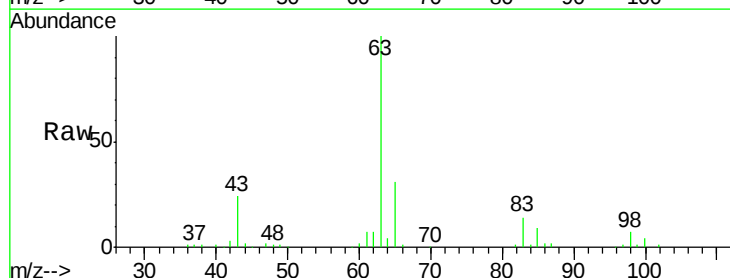
Manual Integrations
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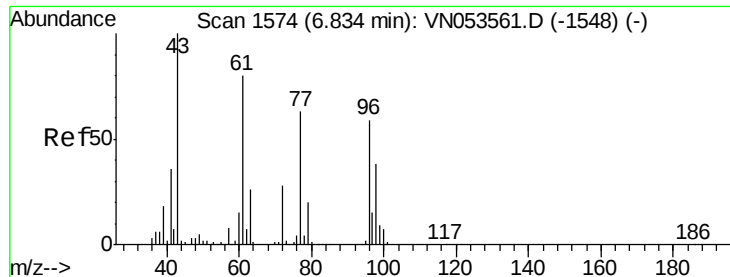
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 2/20/2019 10:14:58 AM



#24
 1,1-Dichloroethane
 Concen: 20.812 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion: 63 Resp: 220276
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 3.9 2.1 6.5





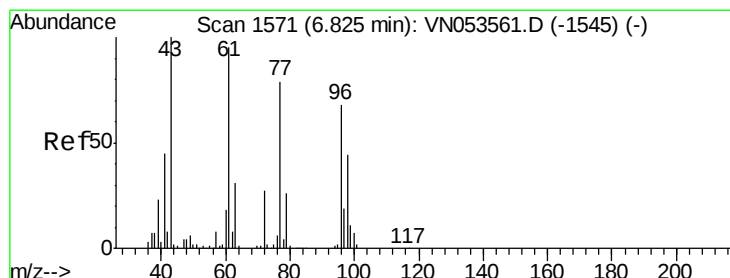
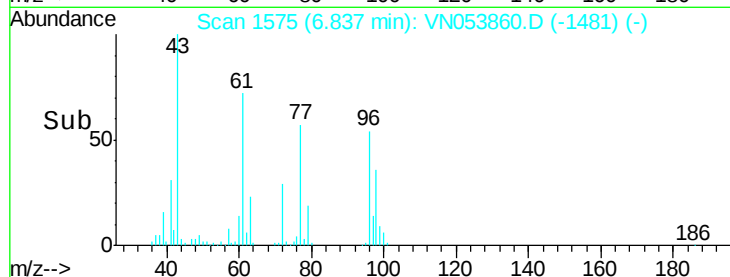
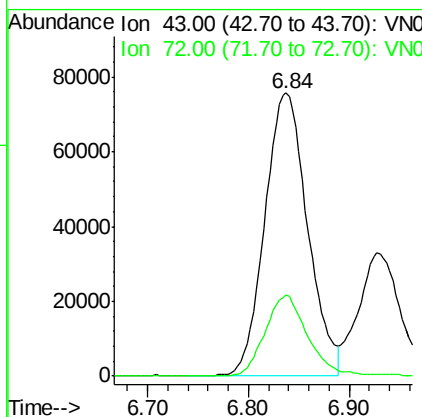
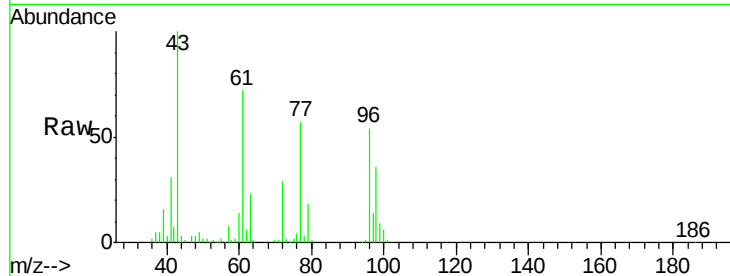
#25
2-Butanone
Concen: 105.008 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 43 Resp: 223839
Ion Ratio Lower Upper
43 100
72 28.7 22.0 33.0

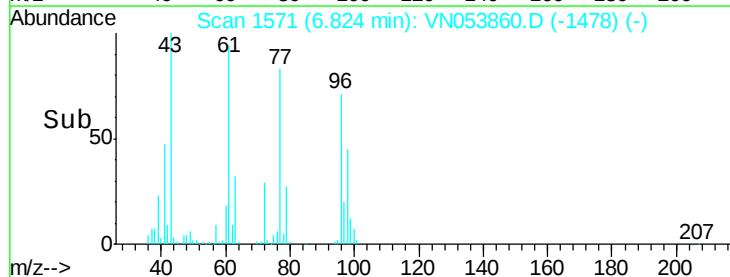
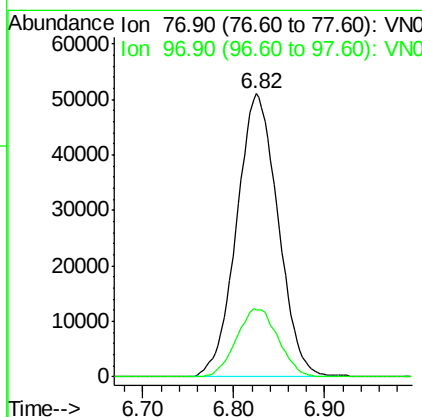
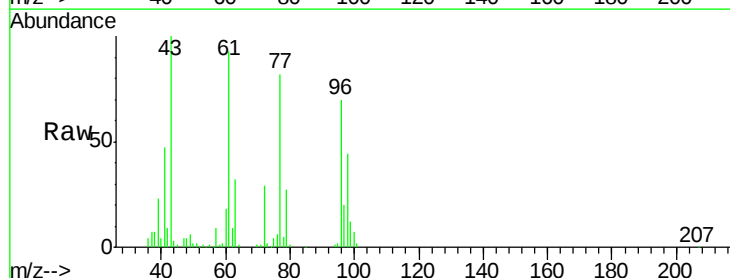
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 19.967 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 77 Resp: 161321
Ion Ratio Lower Upper
77 100
97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.269 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

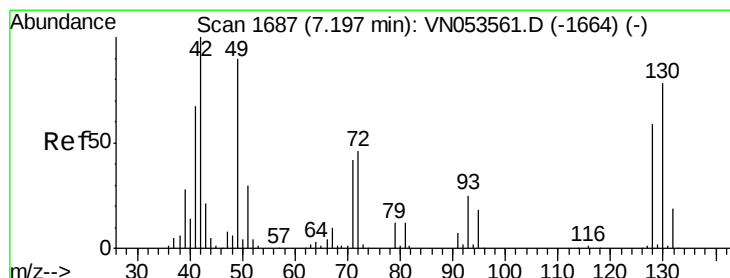
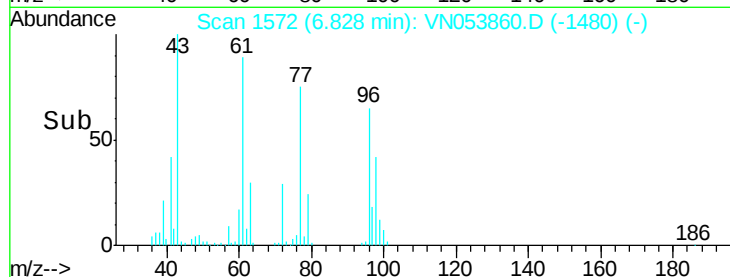
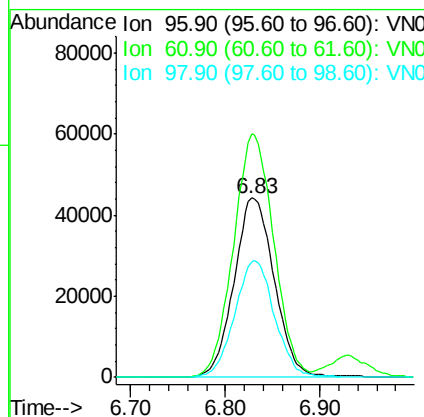
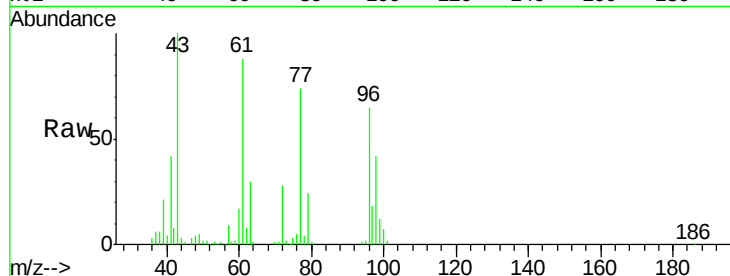
ClientSampleId :

VN0219WBSD01

Tot Ion:	96	Resp:	130787
Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	283.8
98	64.5	0.0	129.2

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#28

Bromochloromethane

Concen: 18.855 ug/l

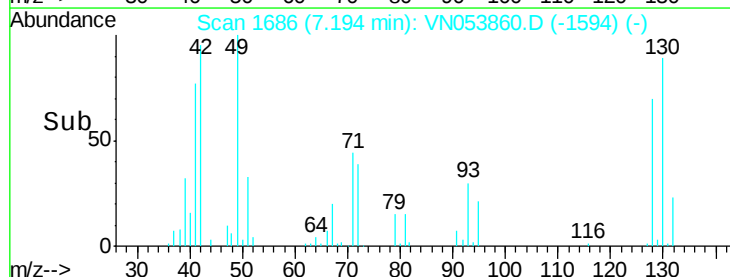
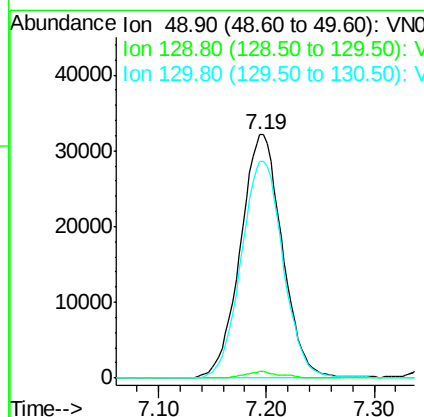
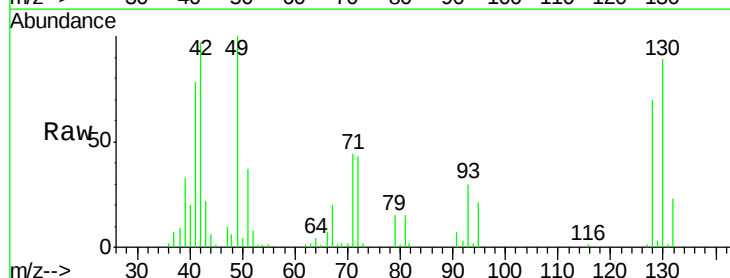
RT: 7.19 min Scan# 1686

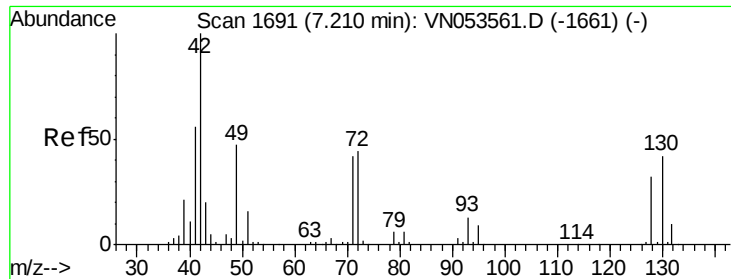
Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	49	Resp:	86604
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	89.2	66.3	99.5





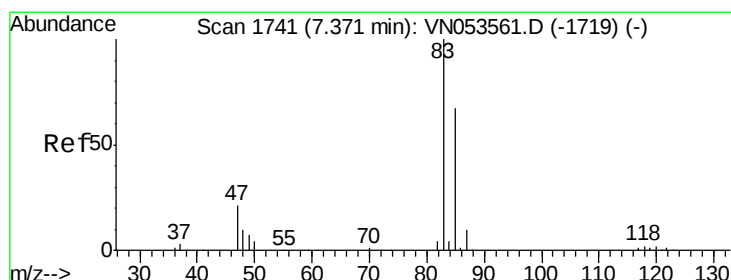
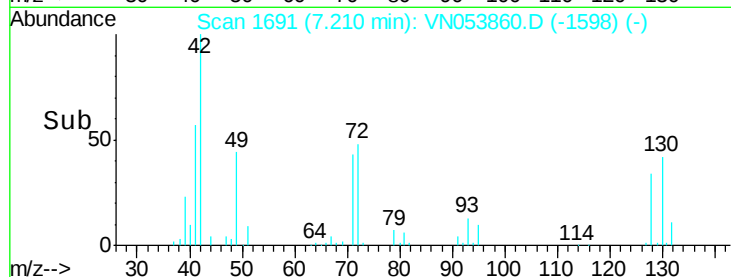
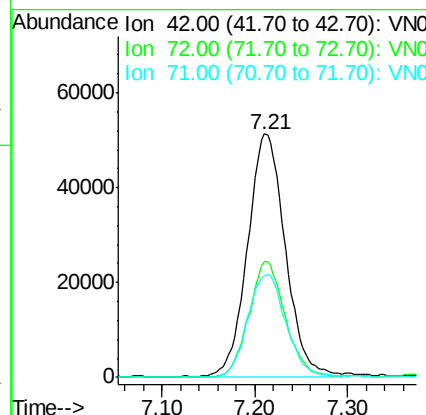
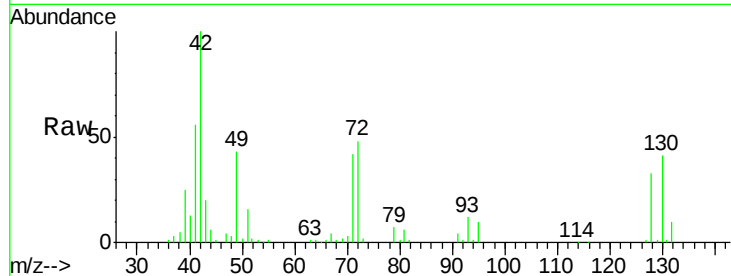
#29
Tetrahydrofuran
Concen: 106.498 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.2	52.8
71	43.2	33.0	49.4

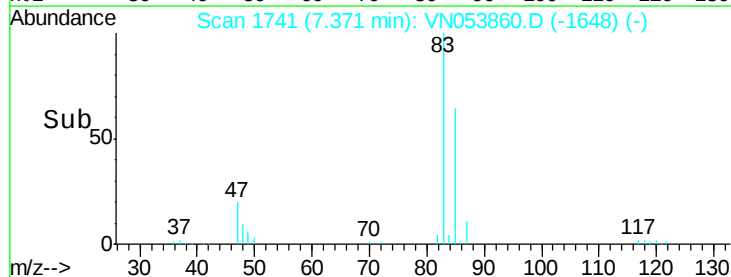
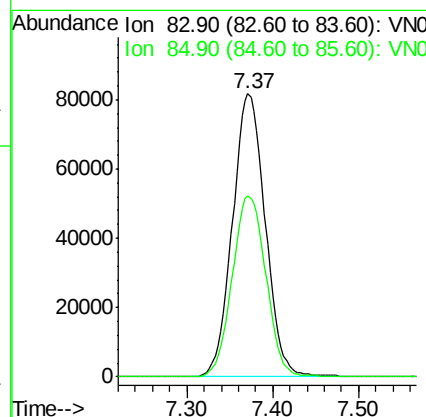
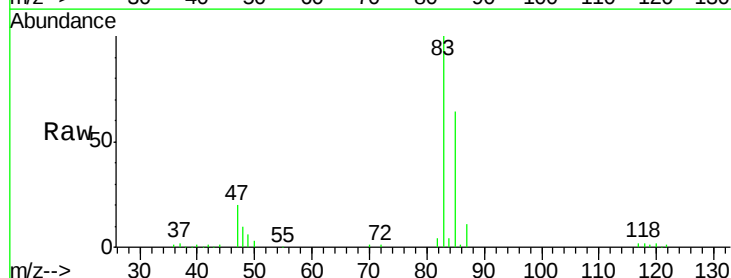
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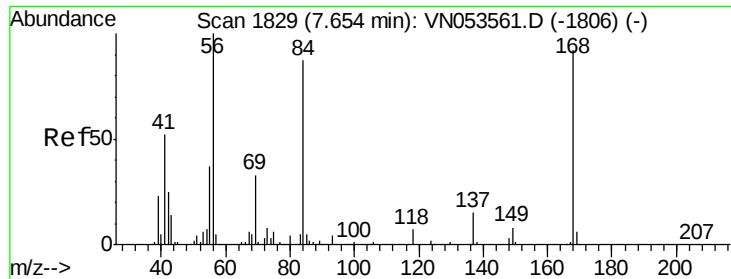
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#30
Chloroform
Concen: 20.639 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.2





#31

Cyclohexane

Concen: 17.907 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

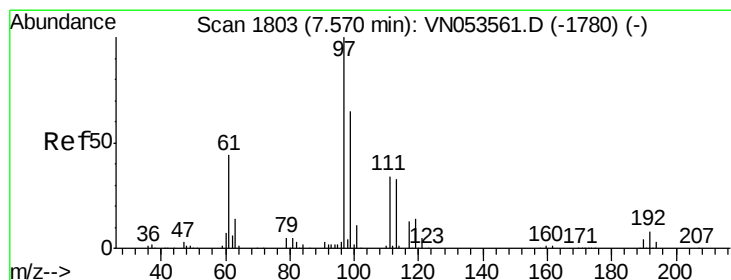
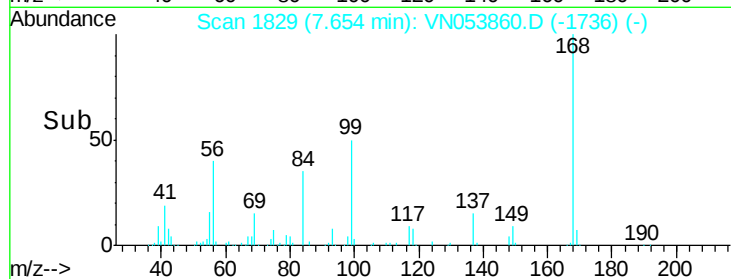
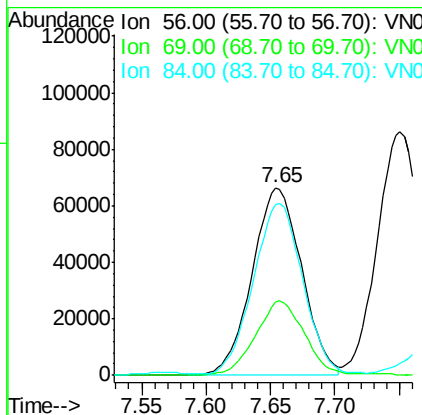
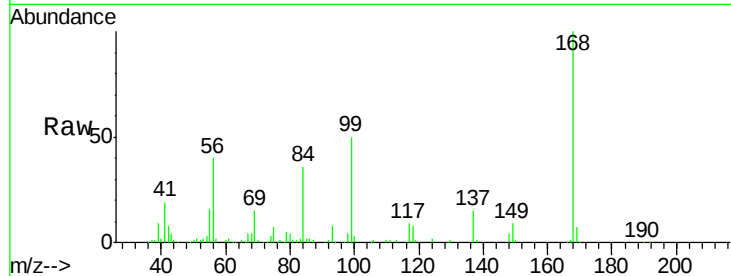
ClientSampleId :

VN0219WBSD01

Tot Ion:	56	Resp:	177532
Ion Ratio	Lower	Upper	
56	100		
69	38.9	26.4	39.6
84	89.9	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 20.914 ug/l

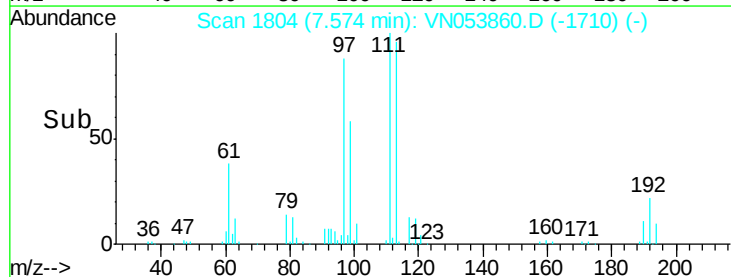
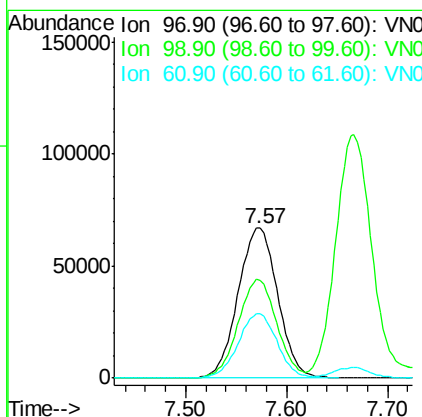
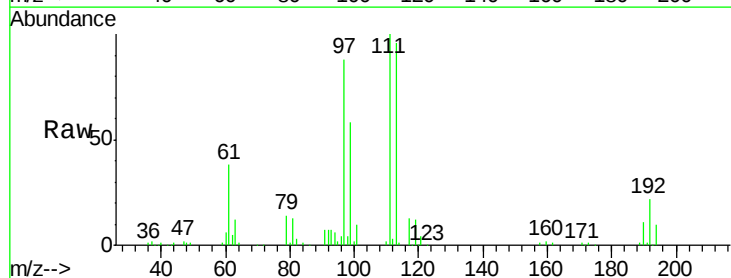
RT: 7.57 min Scan# 1804

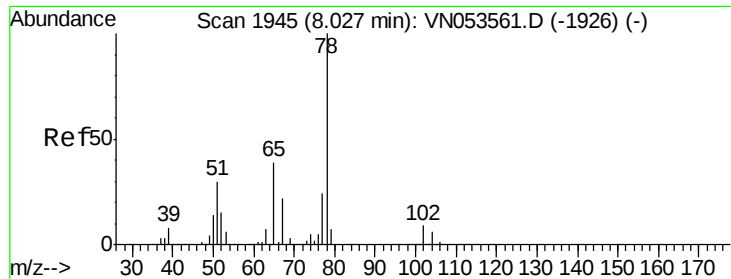
Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	97	Resp:	182607
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.0	78.0
61	41.9	34.4	51.6





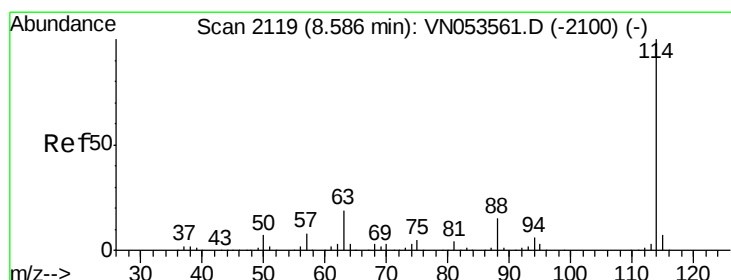
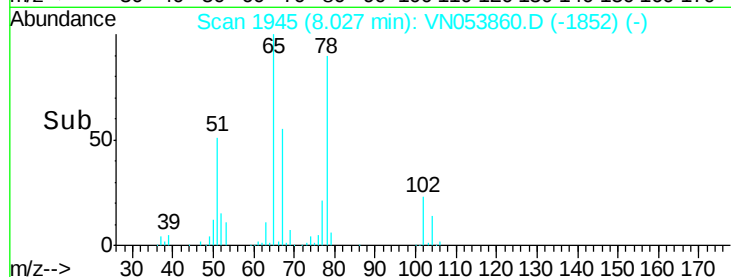
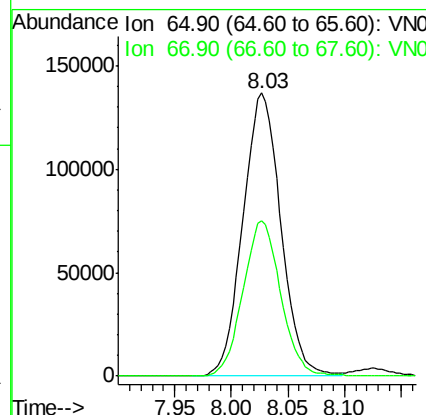
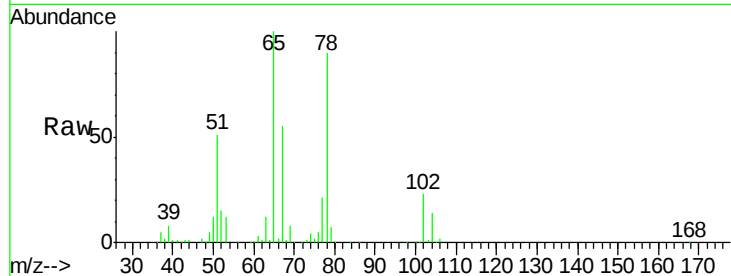
#33
 1,2-Dichloroethane-d4
 Concen: 54.896 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	111.2	

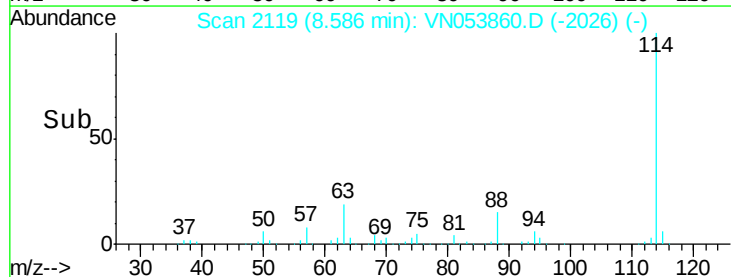
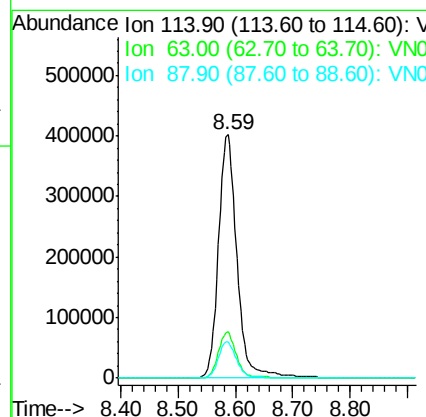
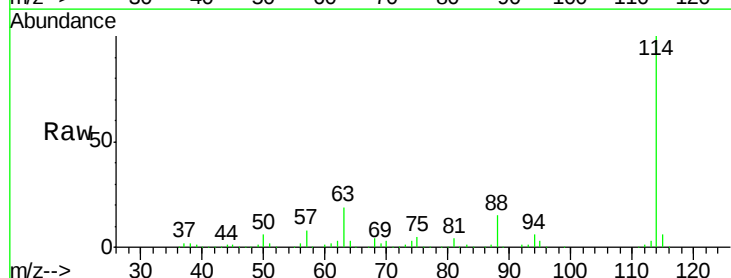
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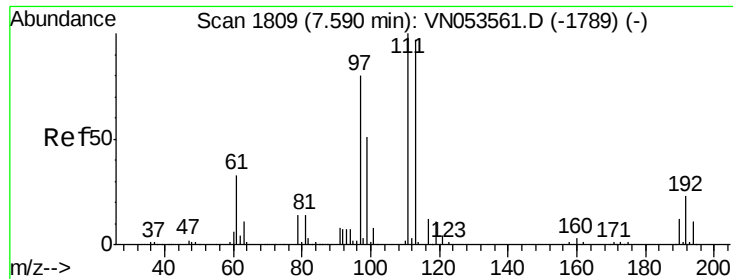
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	14.7	0.0	30.4	





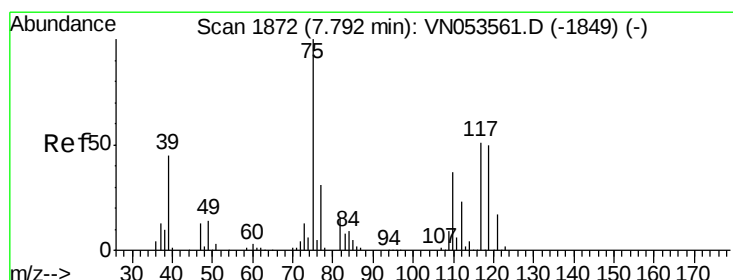
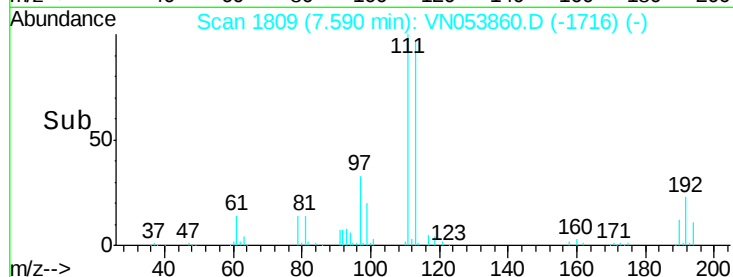
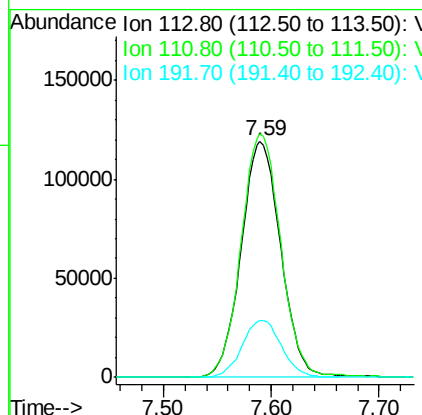
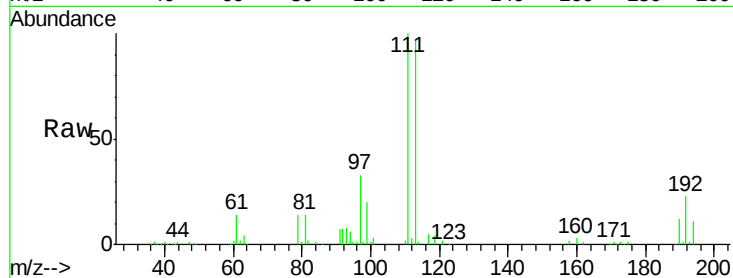
#35
 Dibromofluoromethane
 Concen: 52.864 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.1	121.7	
192	24.0	18.2	27.2	

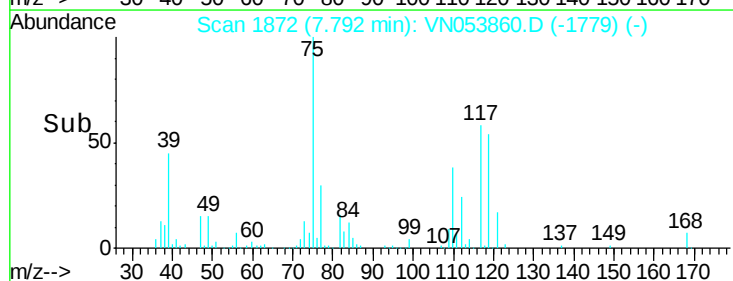
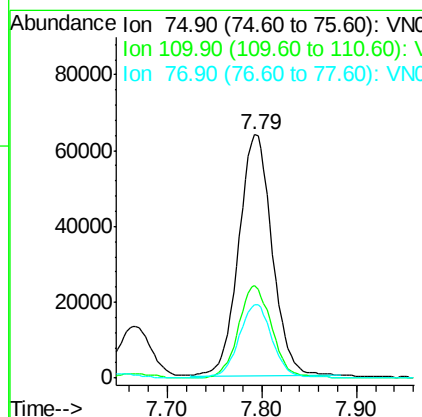
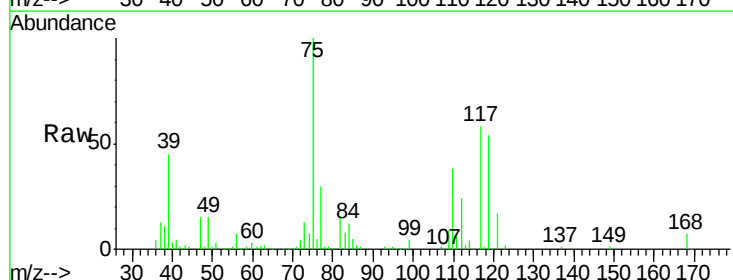
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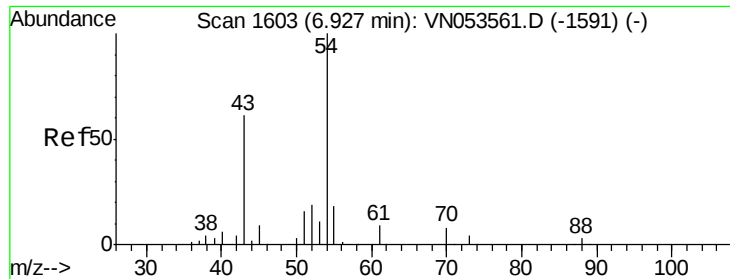
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#36
 1,1-Dichloropropene
 Concen: 19.161 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.3	18.1	54.3	
77	30.8	25.1	37.7	





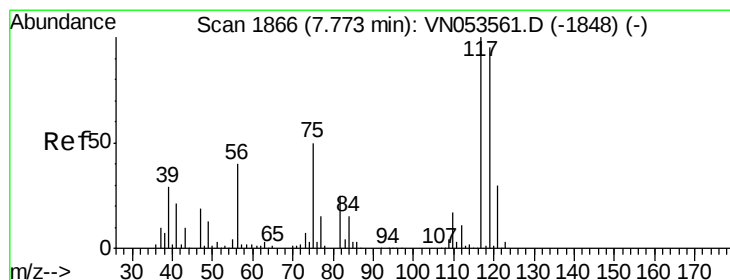
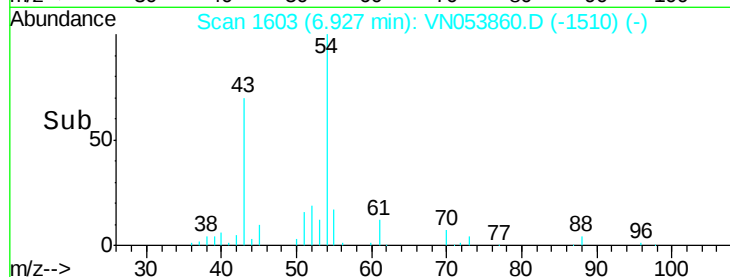
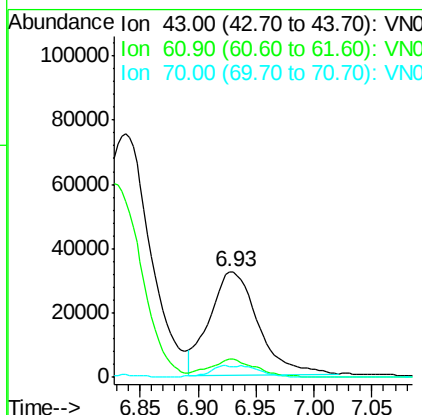
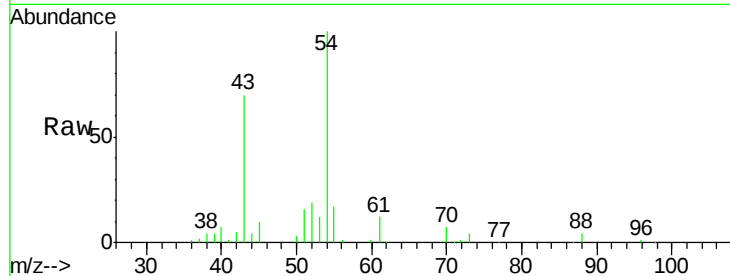
#37
Ethyl Acetate
Concen: 20.467 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleID :
VN0219WBSD01

Tot Ion	43	61	70
Resp	93595		
Ratio	100	16.1	5.2
Lower		11.8	8.6
Upper		17.6	12.8

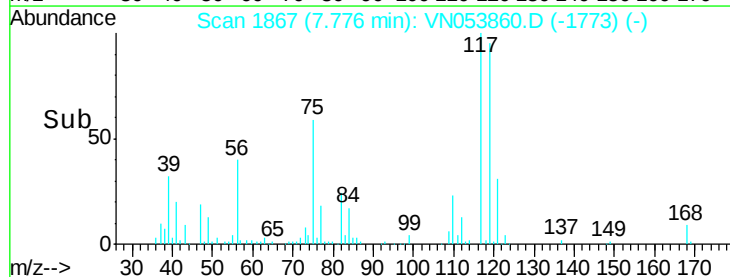
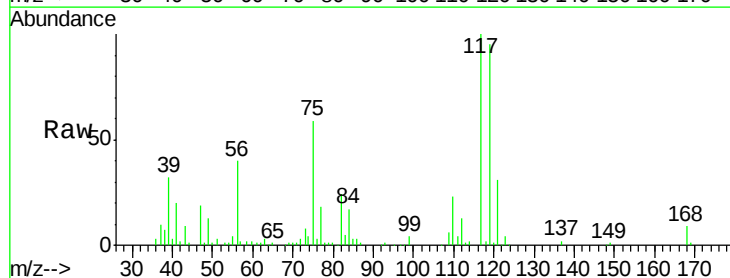
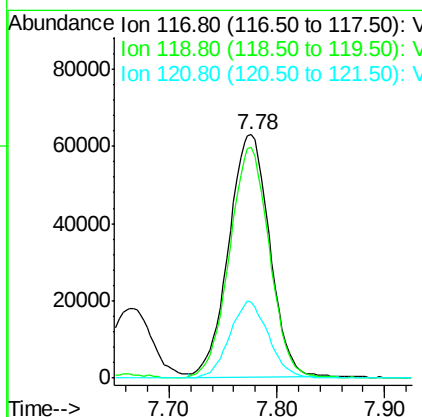
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#38
Carbon Tetrachloride
Concen: 19.990 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	117	119	121
Resp	164884		
Ratio	100	95.0	31.3
Lower		77.2	24.6
Upper		115.8	37.0





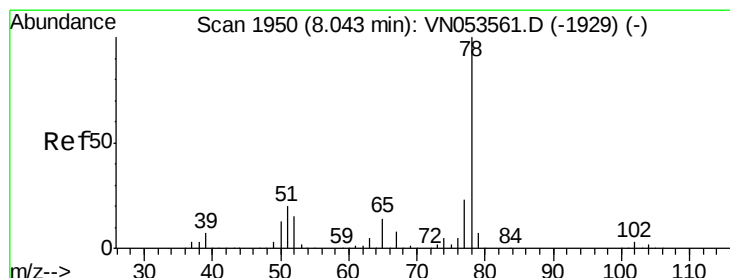
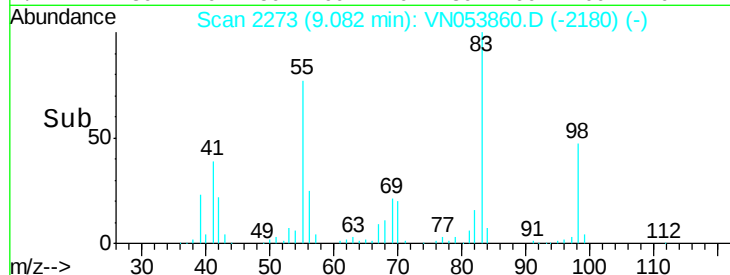
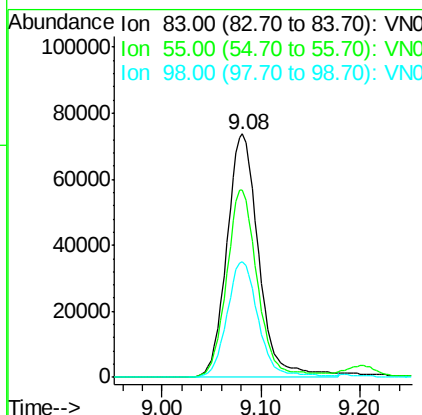
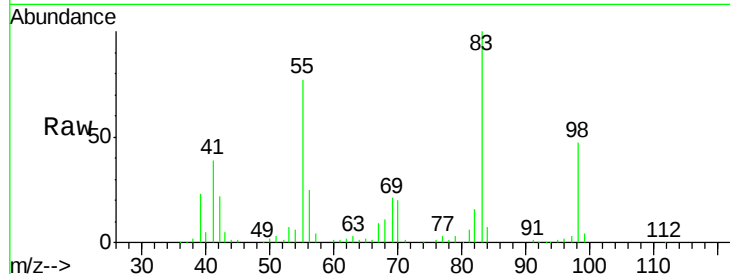
#39
Methvlcvclohexane
Concen: 17.143 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	166527		
55	76.9		60.1	90.1
98	47.3		36.6	55.0

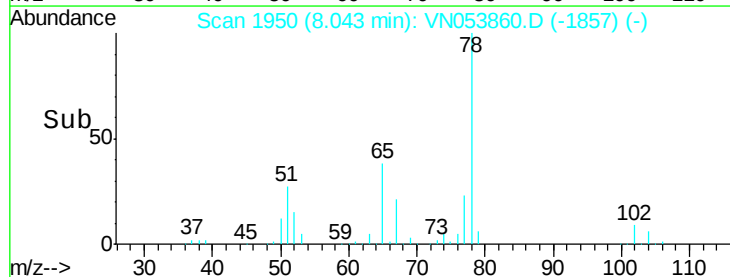
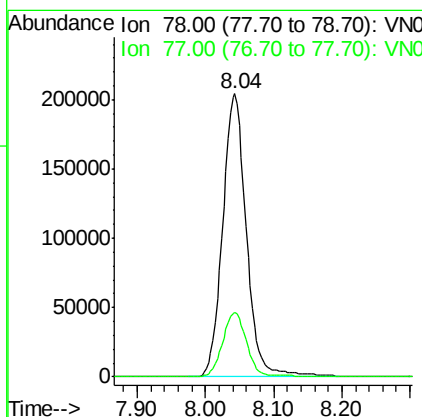
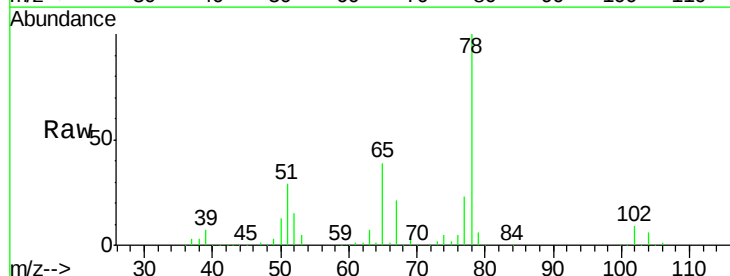
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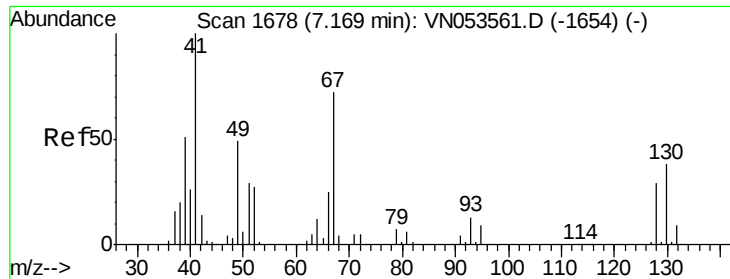
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#40
Benzene
Concen: 19.566 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	494014		
77	22.9		18.8	28.2





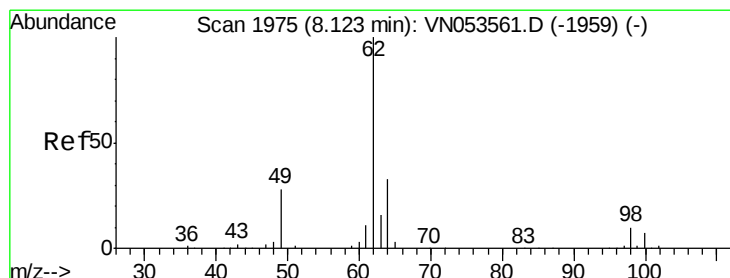
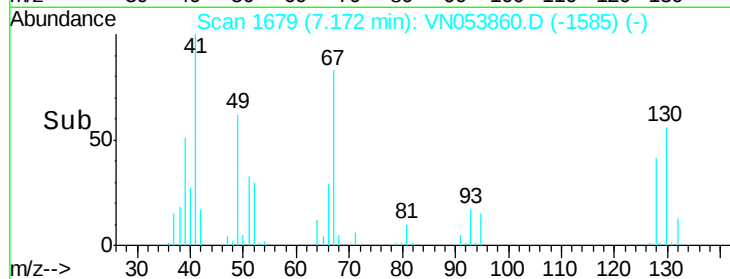
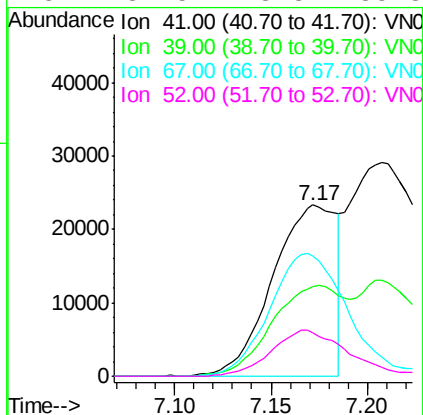
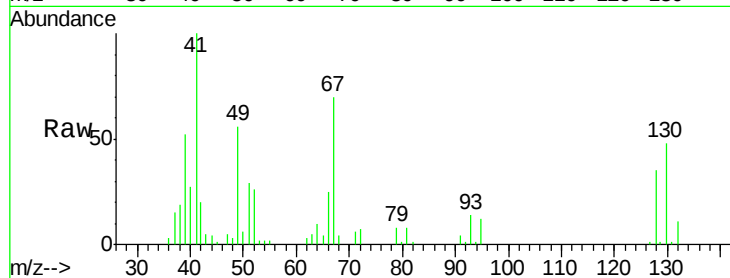
#41
Methacrylonitrile
Concen: 20.899 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion:	41	Resp:	53413
Ion	Ratio	Lower	Upper
41	100		
39	61.0	46.8	70.2
67	88.9	63.0	94.6
52	32.5	23.8	35.8

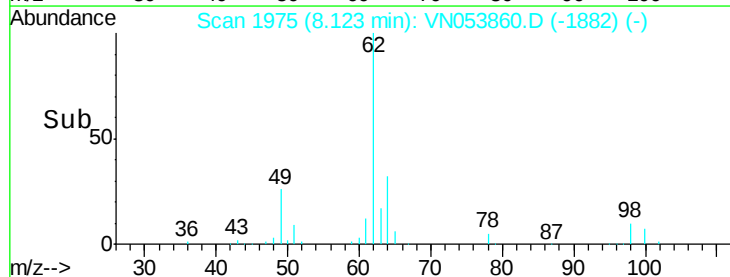
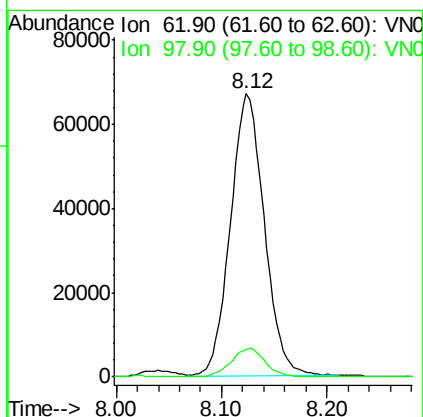
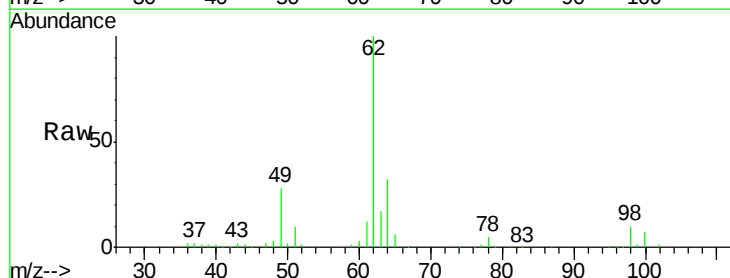
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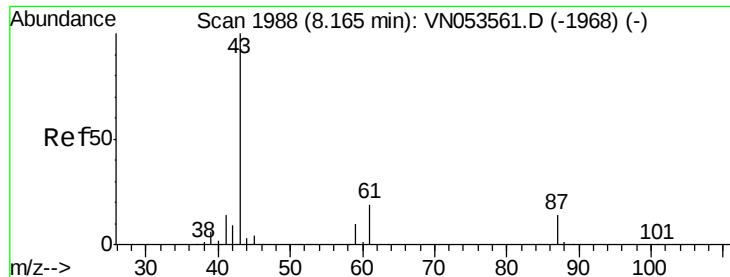
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2/20/2019 10:14:58 AM



#42
1,2-Dichloroethane
Concen: 19.966 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion:	62	Resp:	149682
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





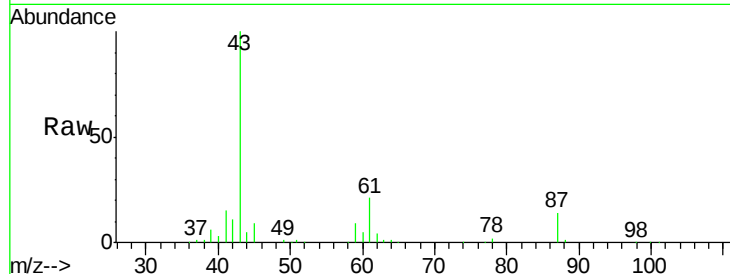
#43
Isopropyl Acetate
Concen: 20.753 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	23.9	35.9#
87	13.1	11.0	16.6

Manual Integrations
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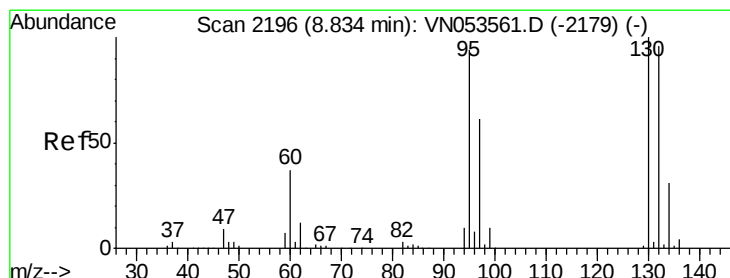
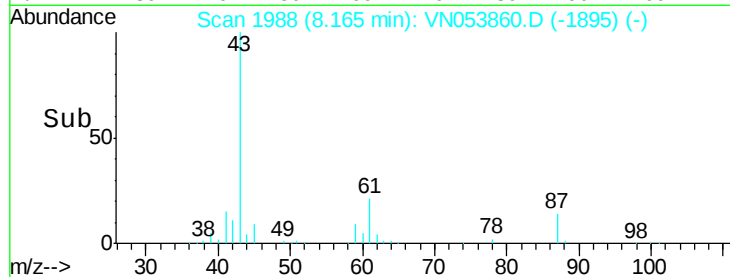
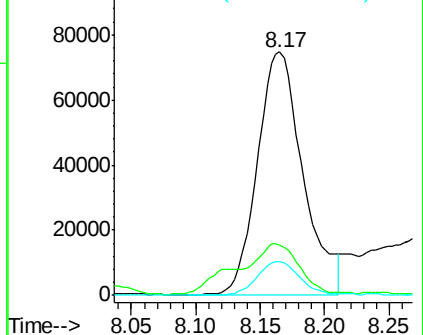
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VN053860.D (-1895) (-)

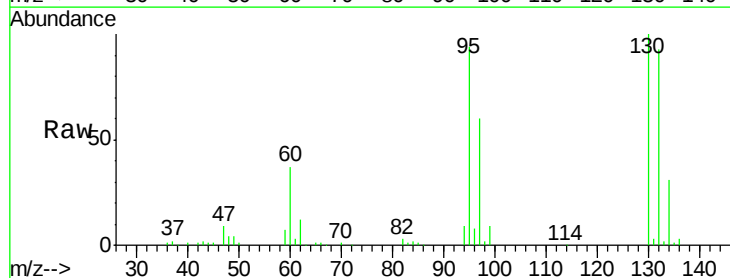
Ion 61.00 (60.70 to 61.70): VN053860.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053860.D (-1895) (-)



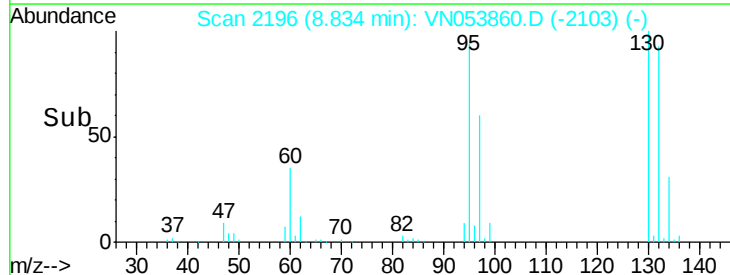
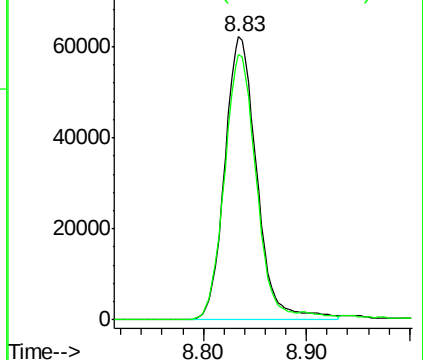
#44
Trichloroethene
Concen: 18.767 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

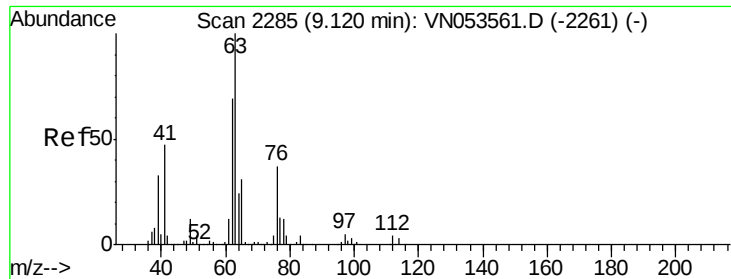
Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053860.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053860.D (-2103) (-)





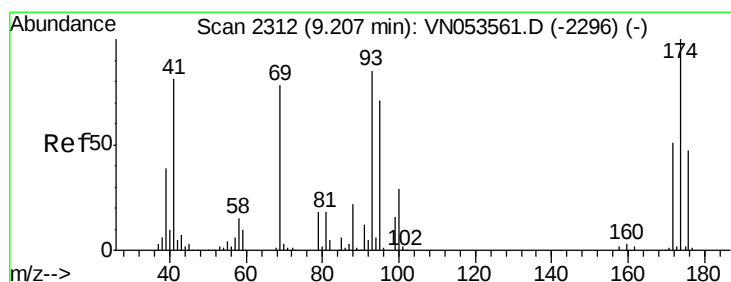
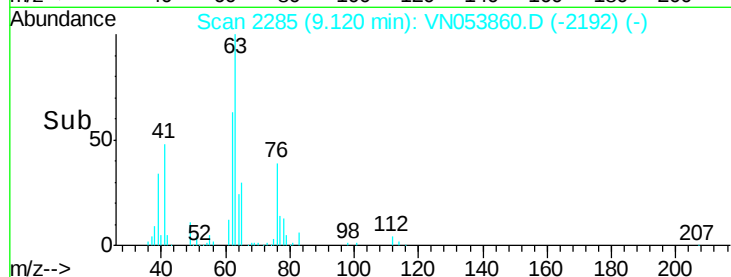
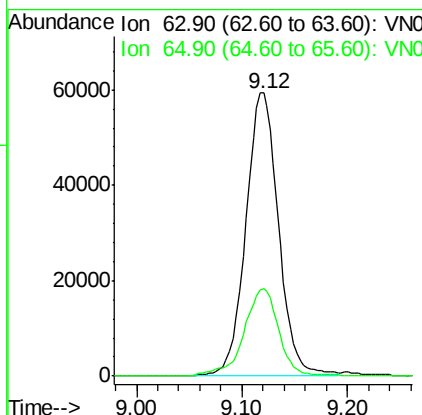
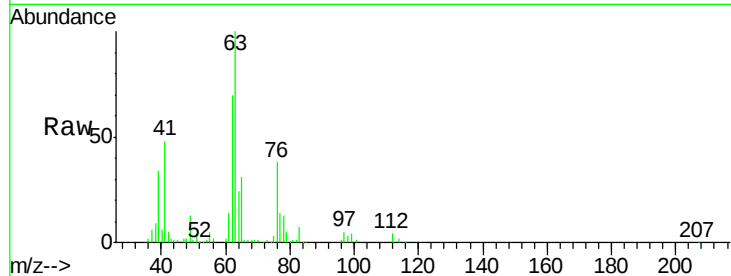
#45
 1,2-Dichloropropane
 Concen: 19.893 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion: 63 Resp: 128473
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4

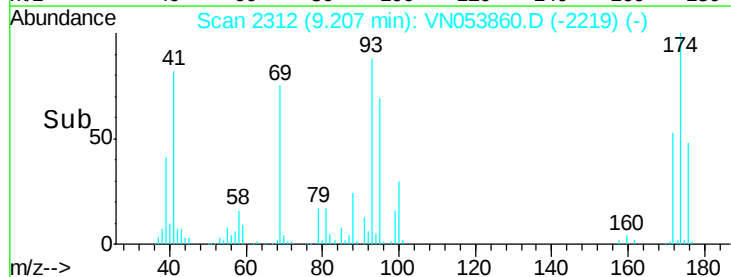
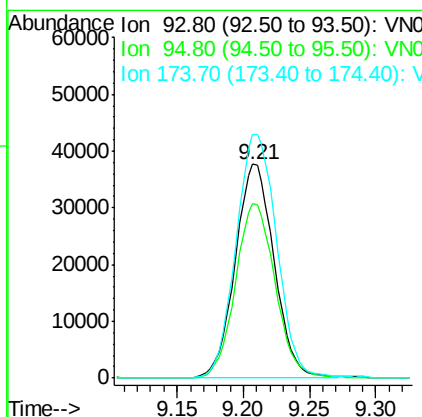
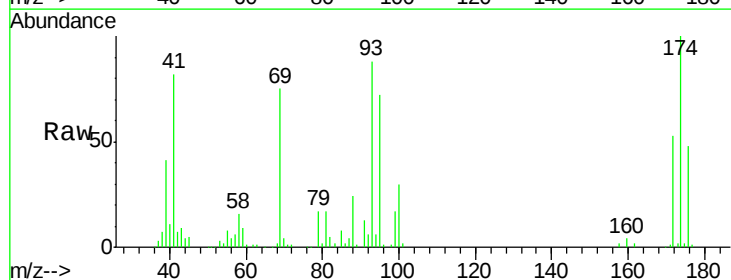
Manual Integrations
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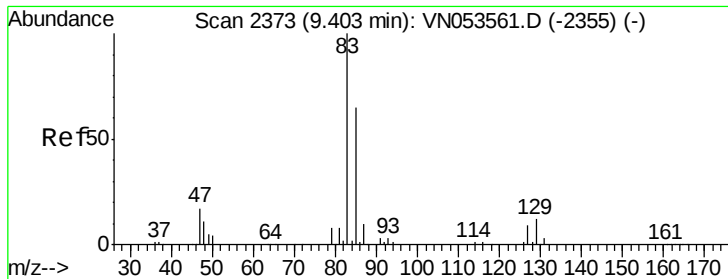
MMDadoda
 2/20/2019 10:14:58 AM



#46
 Dibromomethane
 Concen: 19.785 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion: 93 Resp: 77022
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.3 100.9
 174 119.1 91.0 136.4





#47

Bromodichloromethane

Concen: 19.914 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

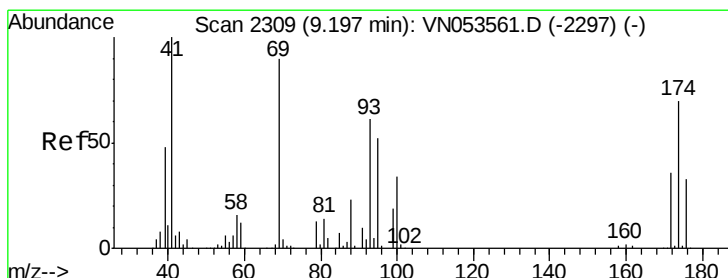
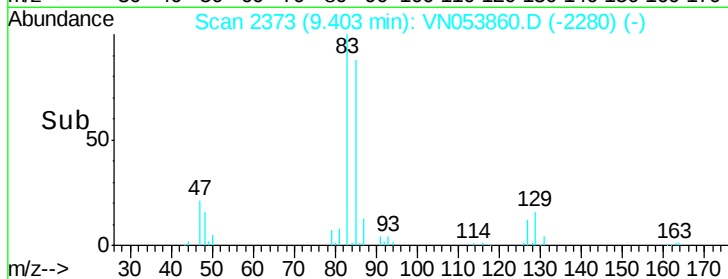
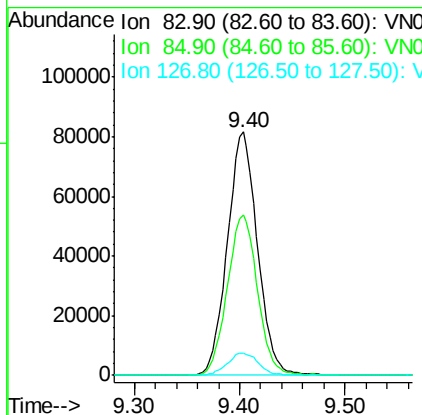
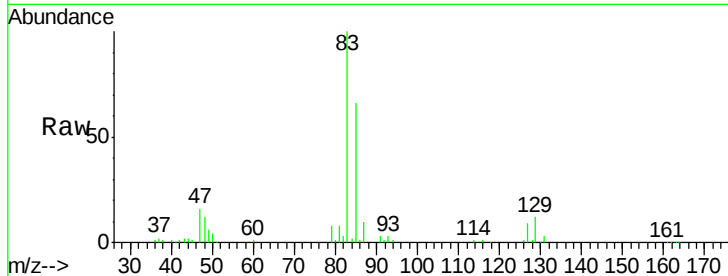
ClientSampleId :

VN0219WBSD01

Tot Ion:	83	Resp:	161192
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.0	76.6
127	9.1	7.0	10.6

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2/20/2019 10:14:58 AM



#48

Methyl methacrylate

Concen: 18.587 ug/l

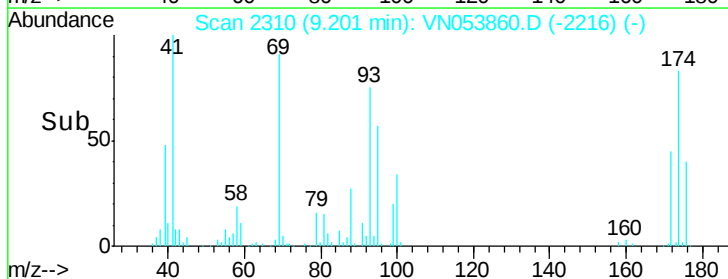
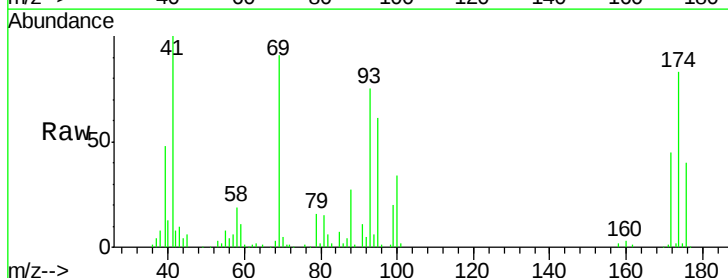
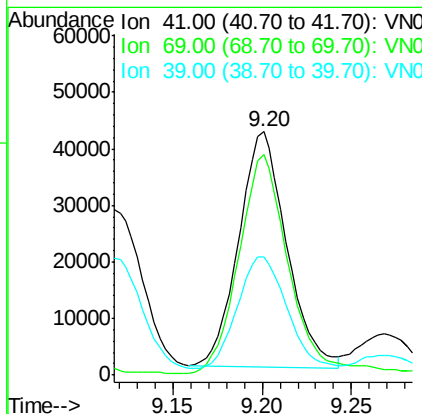
RT: 9.20 min Scan# 2310

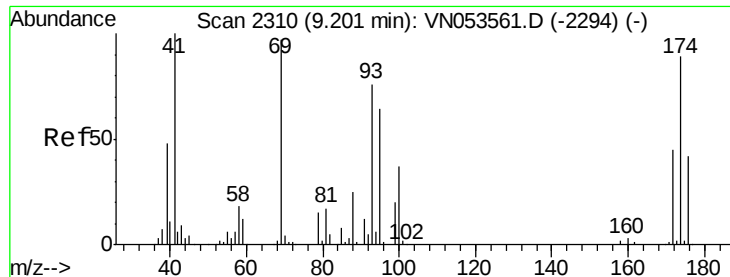
Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	41	Resp:	78355
Ion	Ratio	Lower	Upper
41	100		
69	96.9	73.8	110.6
39	55.3	40.0	60.0





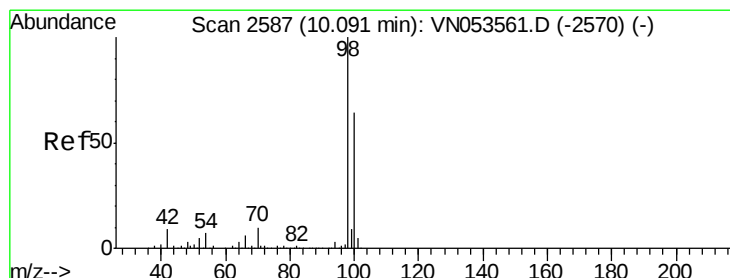
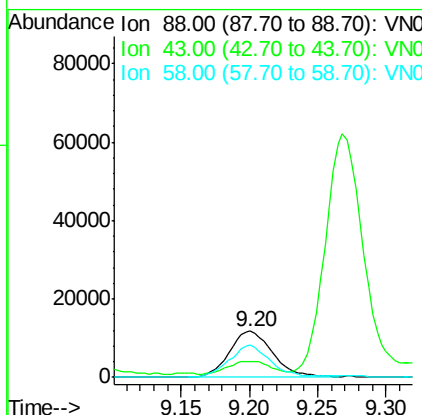
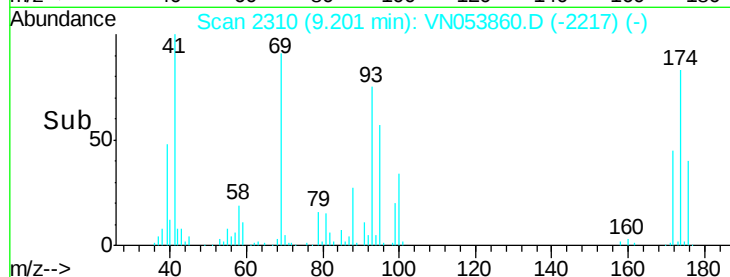
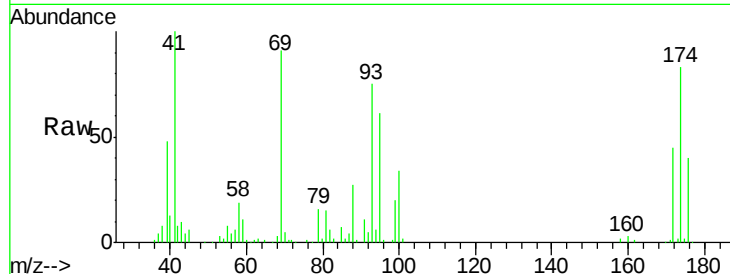
#49
1,4-Dioxane
Concen: 455.765 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	27.8	41.6#
58	64.1	56.5	84.7

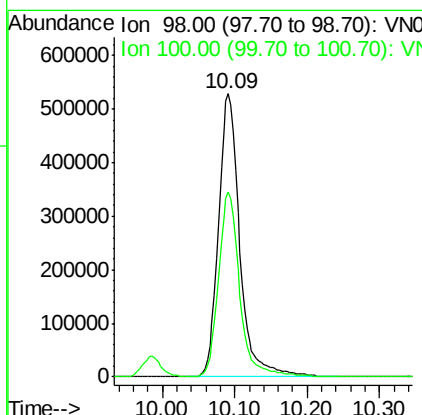
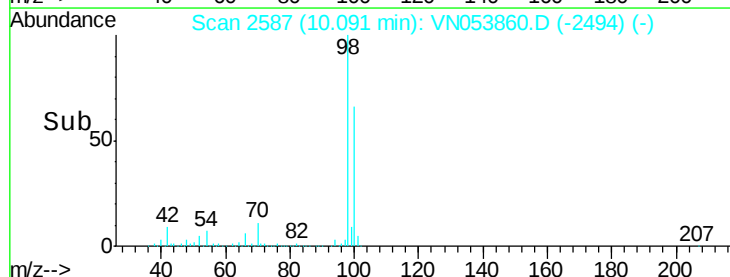
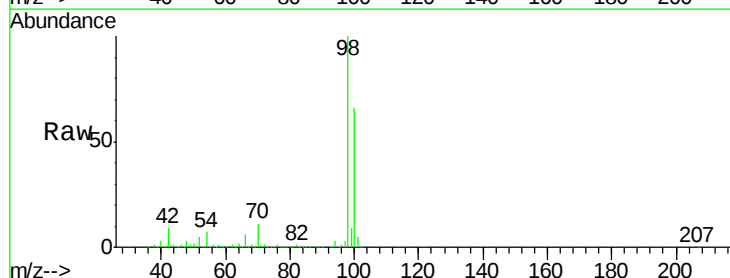
Manual Integrations
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#50
Toluene-d8
Concen: 49.800 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 103.604 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0219WBSD01

Tot Ion: 43 Resp: 449614

Ion Ratio Lower Upper

43 100

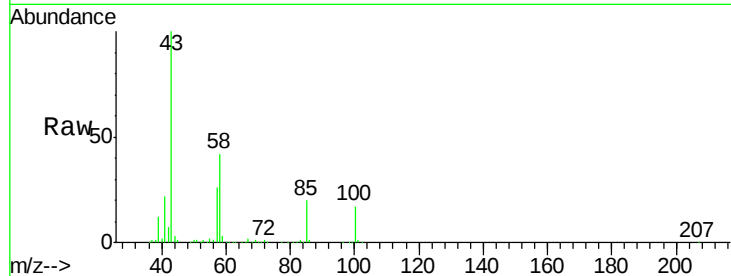
58 41.8 32.8 49.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

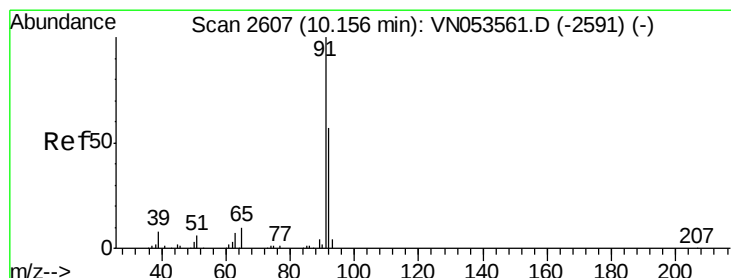
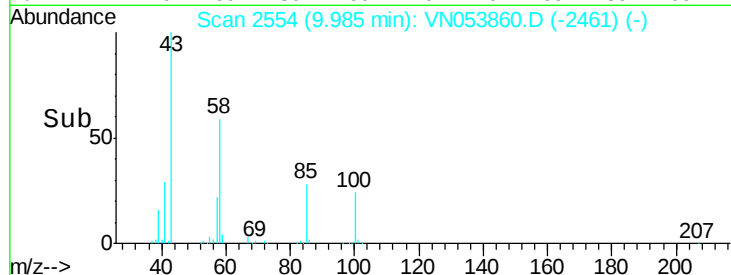
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.424 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053860.D

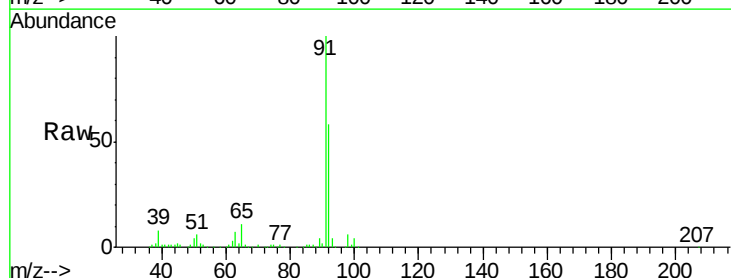
Acq: 19 Feb 2019 11:07

Tgt Ion: 92 Resp: 291076

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

150000

100000

50000

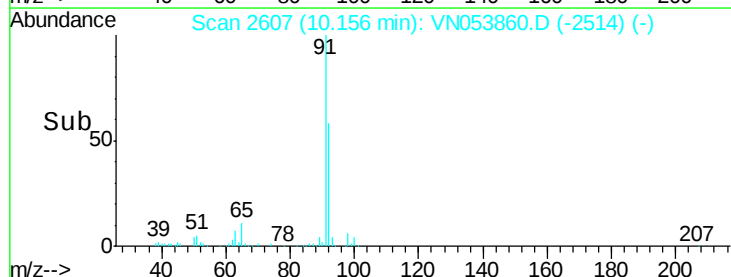
0

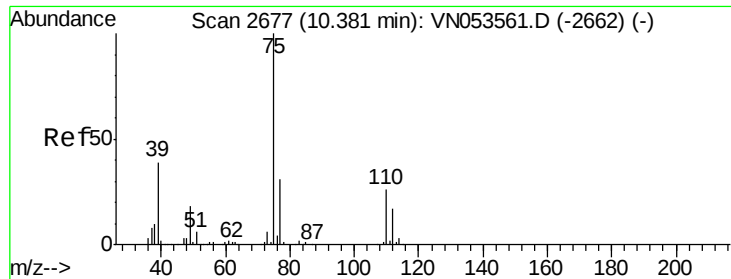
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.295 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 75 Resp: 156388

Ion Ratio Lower Upper

75 100

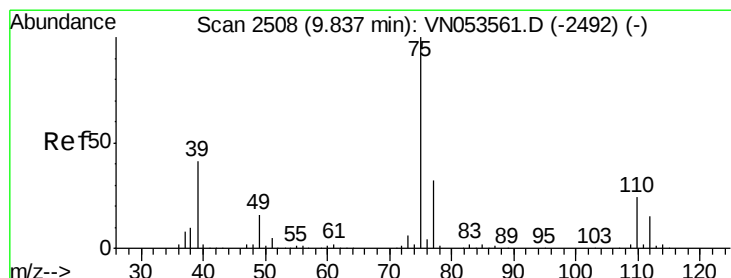
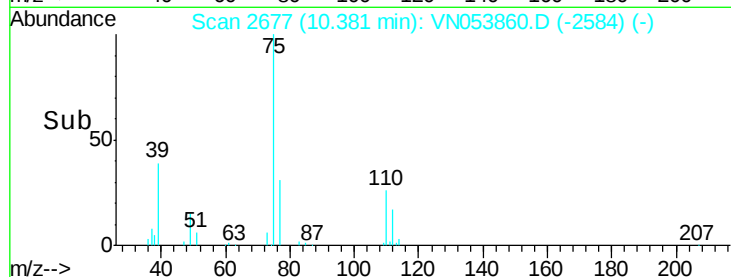
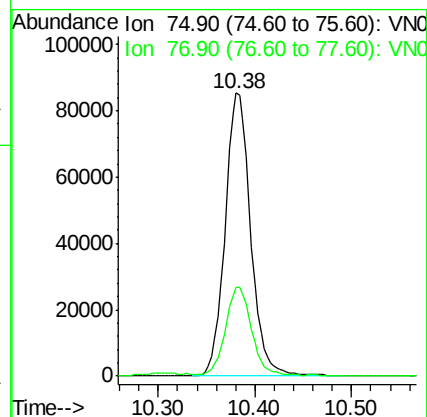
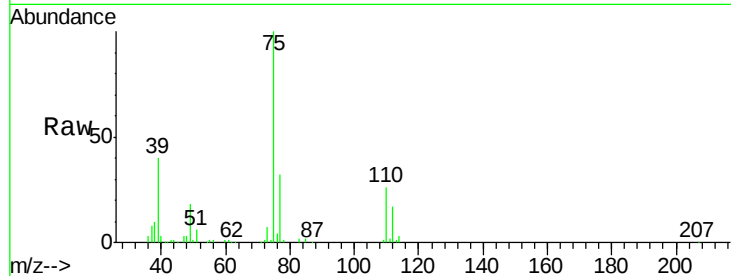
77 31.5 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 19.320 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

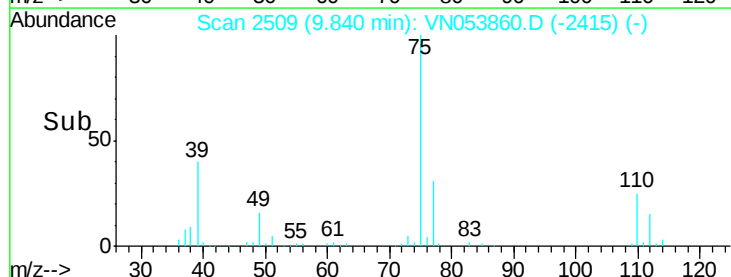
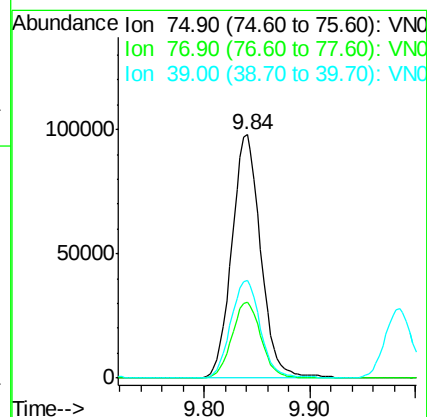
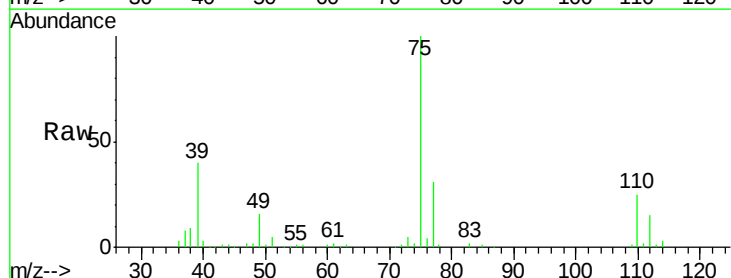
Tgt Ion: 75 Resp: 185566

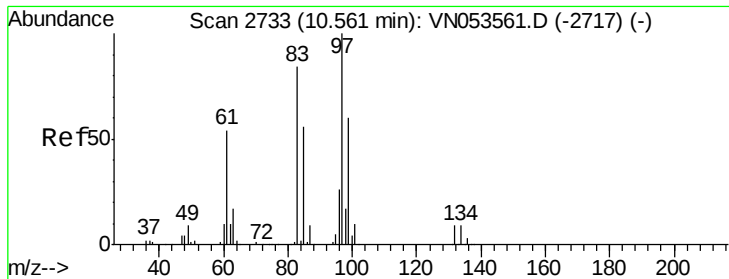
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 40.3 33.4 50.0





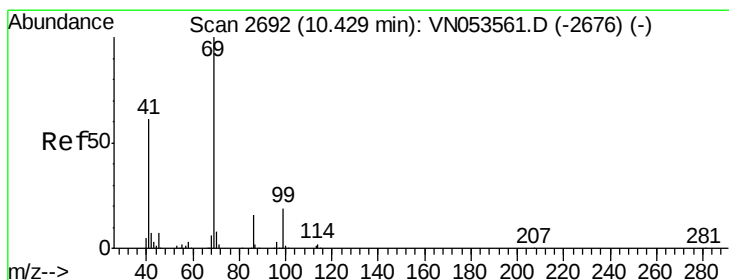
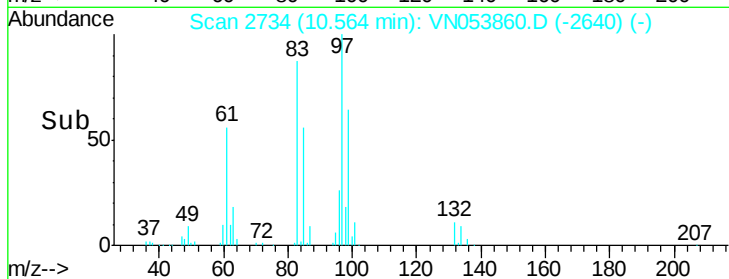
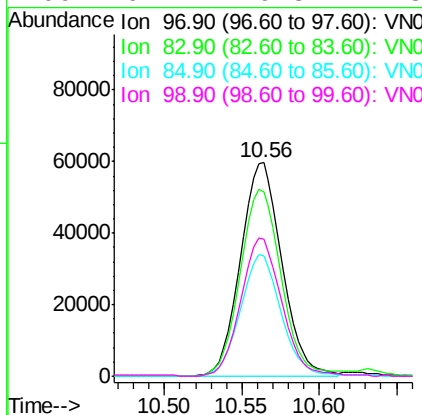
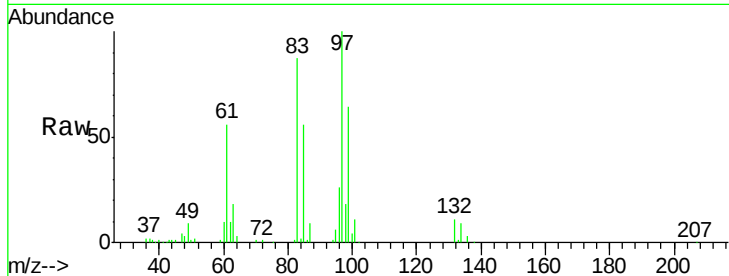
#55
 1,1,2-Trichloroethane
 Concen: 20.624 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion:	97	Resp:	111364
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.1	105.1
85	56.4	45.4	68.0
99	64.1	49.8	74.8

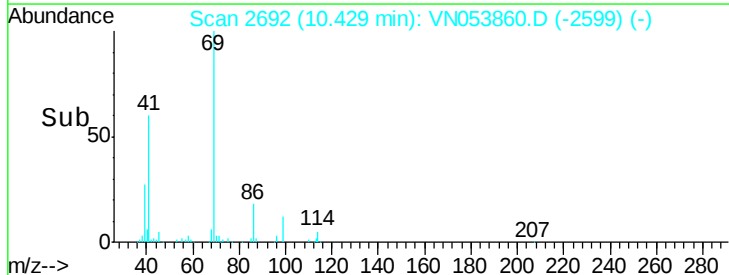
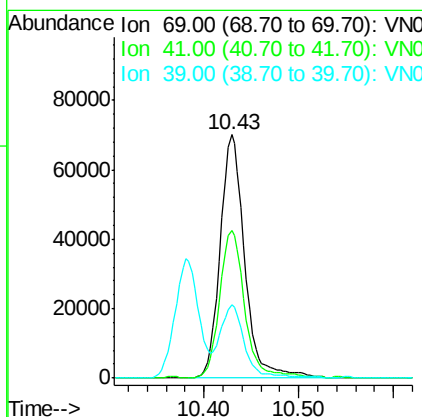
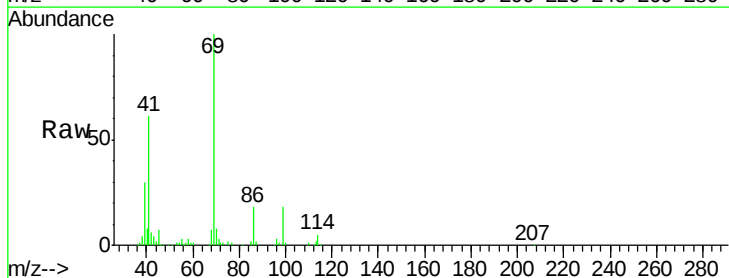
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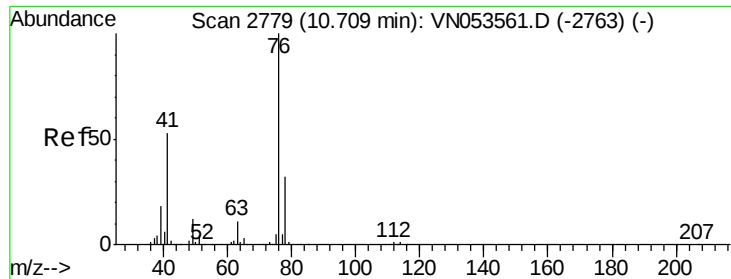
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#56
 Ethyl methacrylate
 Concen: 19.840 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion:	69	Resp:	126736
Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.4	74.0
39	28.9	23.3	34.9





#57

1,3-Dichloropropane

Concen: 20.130 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 76 Resp: 185772

Ion Ratio Lower Upper

76 100

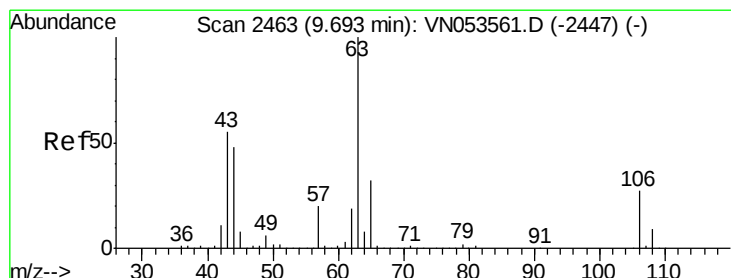
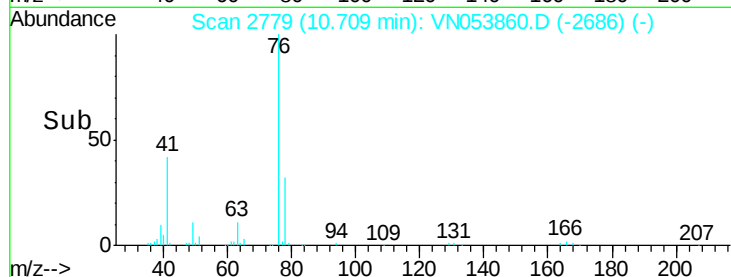
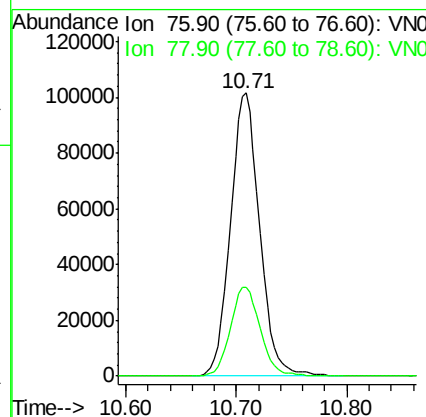
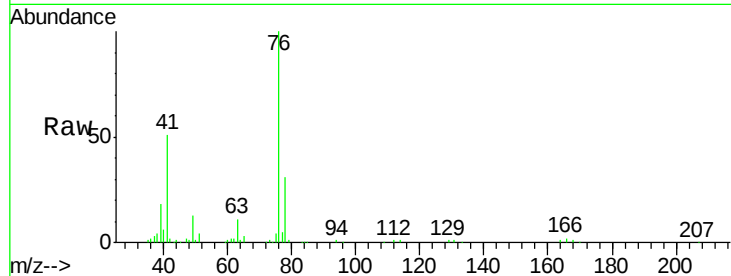
78 32.2 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 76.488 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053860.D

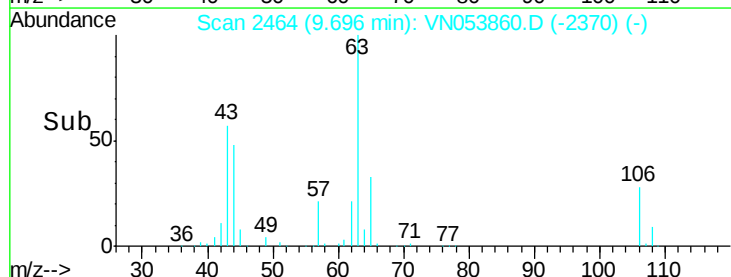
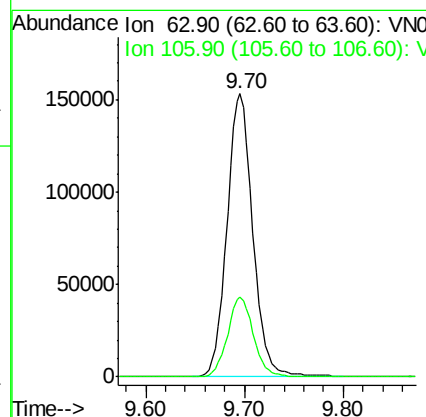
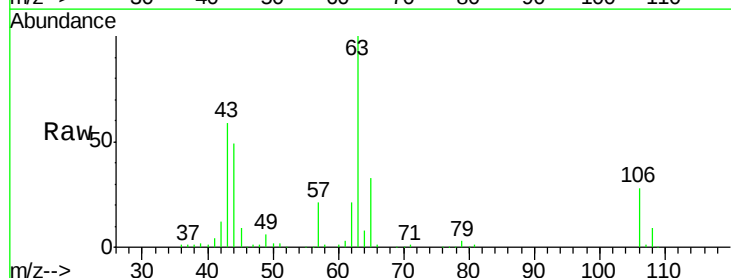
Acq: 19 Feb 2019 11:07

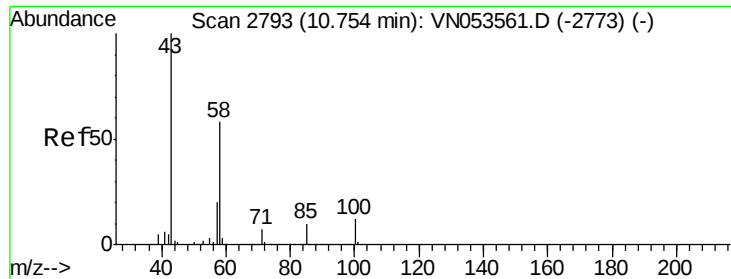
Tgt Ion: 63 Resp: 280269

Ion Ratio Lower Upper

63 100

106 28.1 21.5 32.3





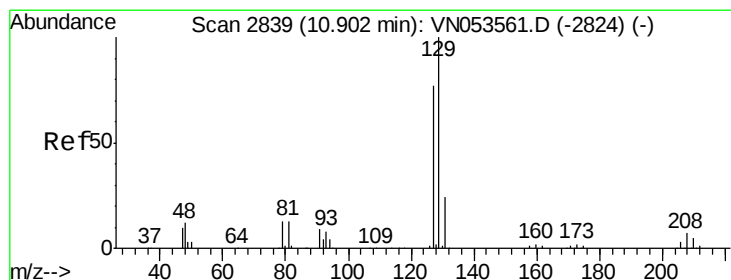
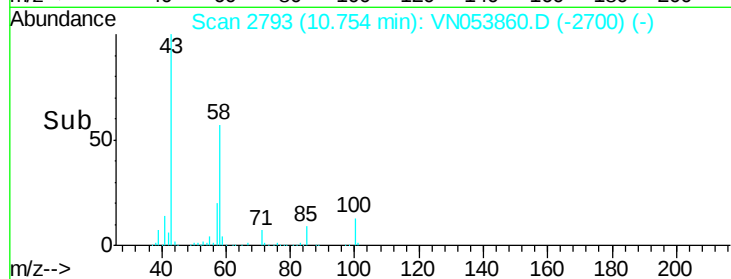
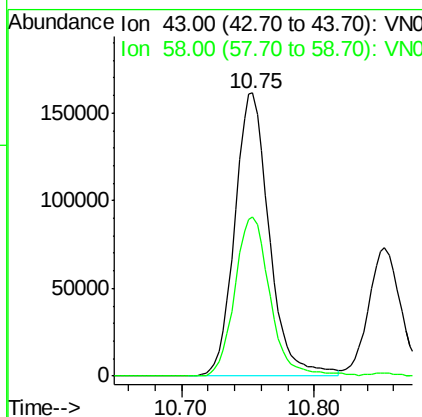
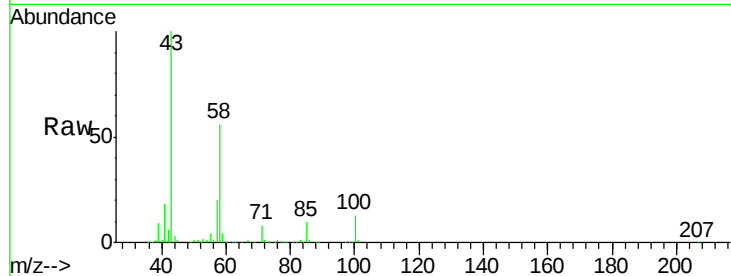
#59
2-Hexanone
Concen: 98.404 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	43	Resp	289908
Ion Ratio	Lower	Upper	
43	100		
58	57.7	28.6	85.8

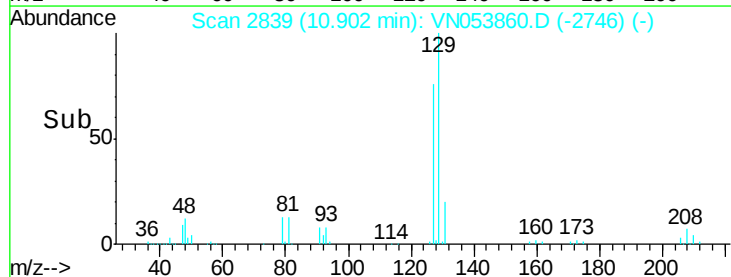
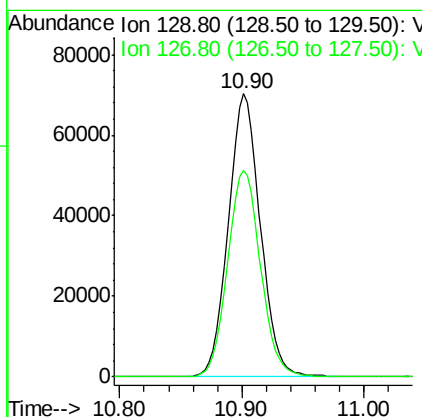
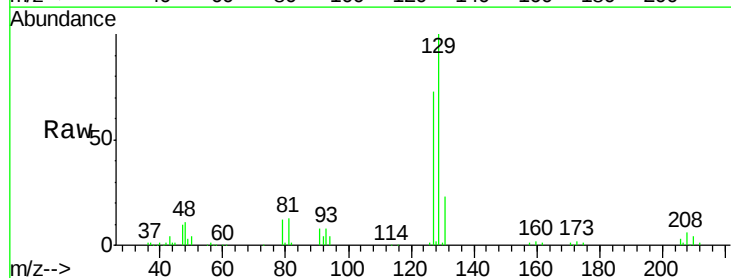
Manual Integrations
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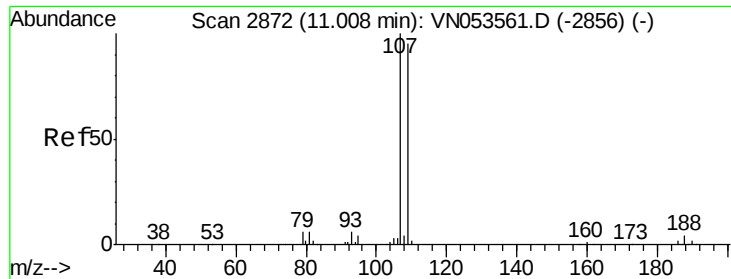
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#60
Dibromochloromethane
Concen: 21.108 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	129	Resp	128531
Ion Ratio	Lower	Upper	
129	100		
127	75.0	38.6	115.8





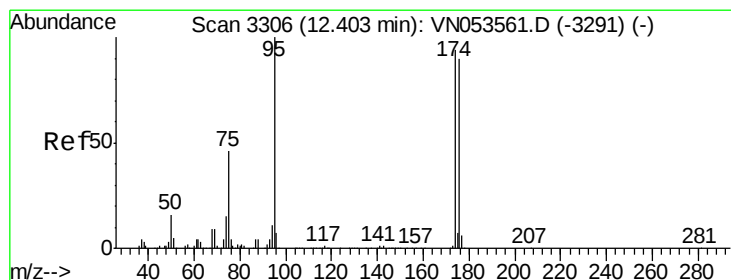
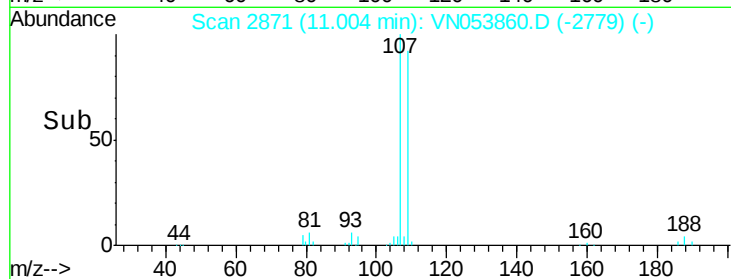
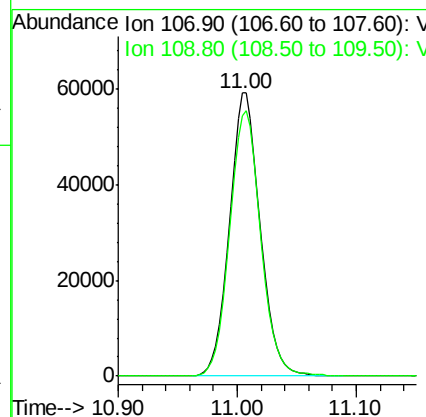
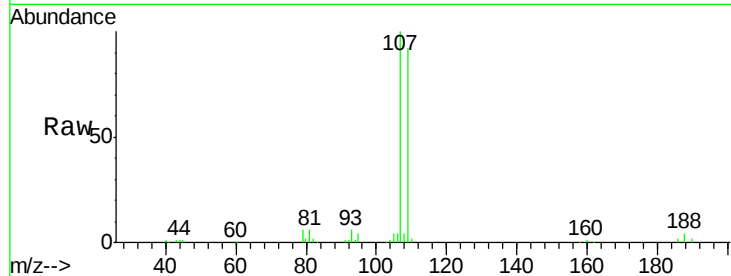
#61
 1,2-Dibromoethane
 Concen: 19.760 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.7	113.5

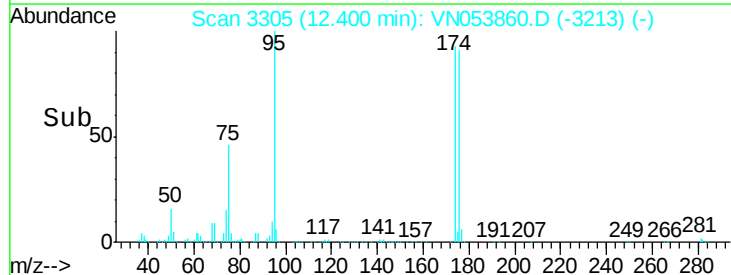
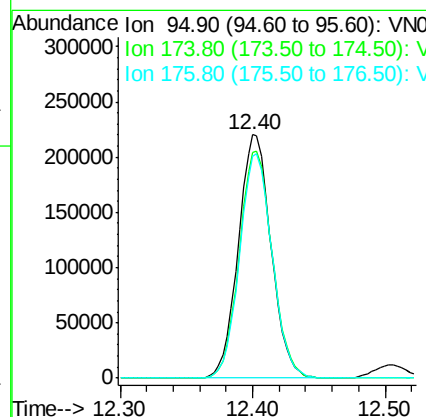
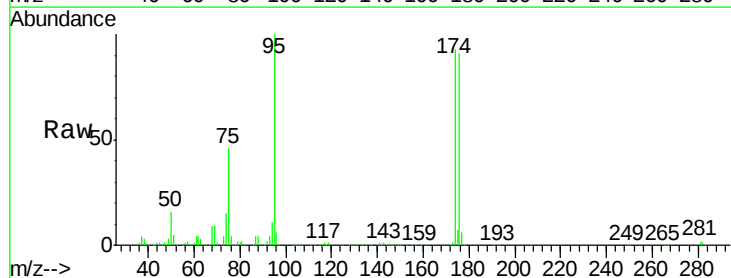
Manual Integrations
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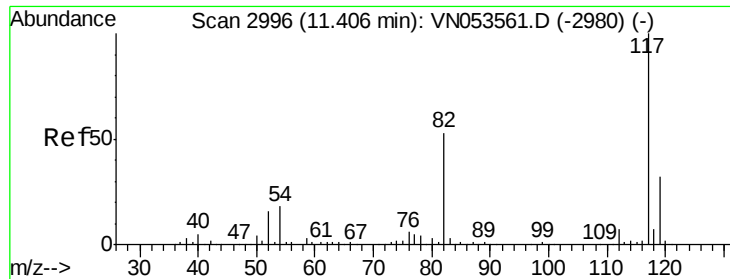
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 52.498 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	183.2
176	91.6	0.0	177.4





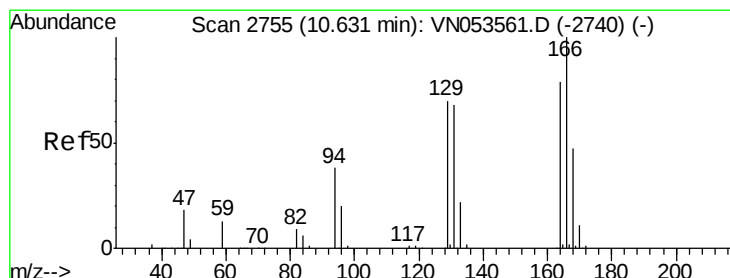
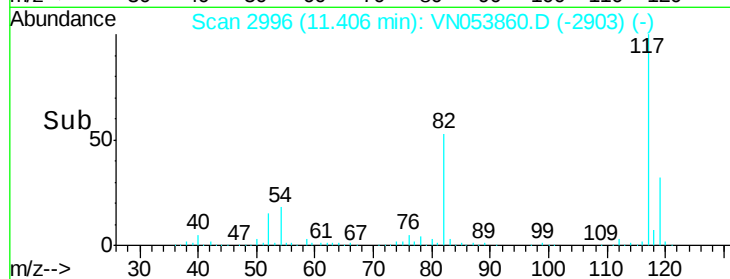
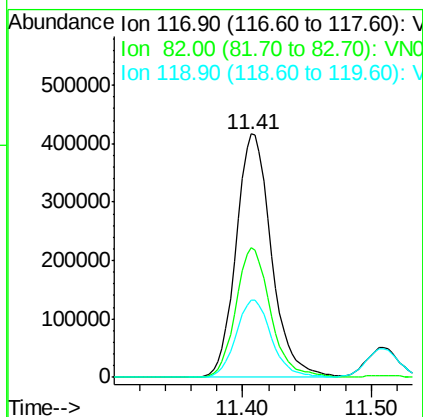
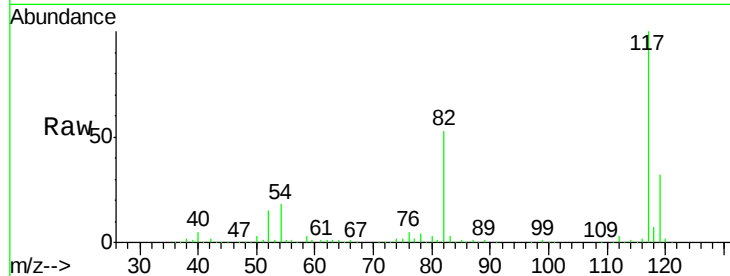
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.9	64.3
119	32.0	26.0	39.0

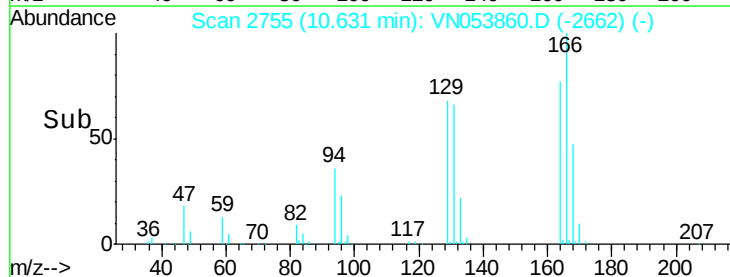
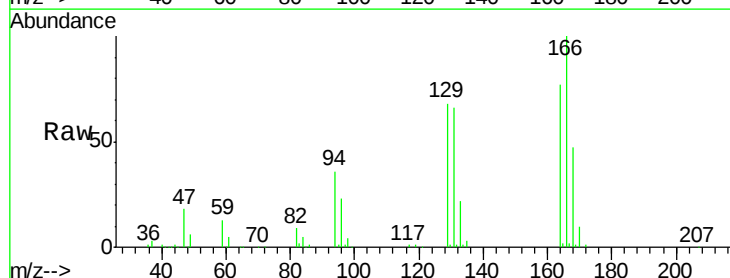
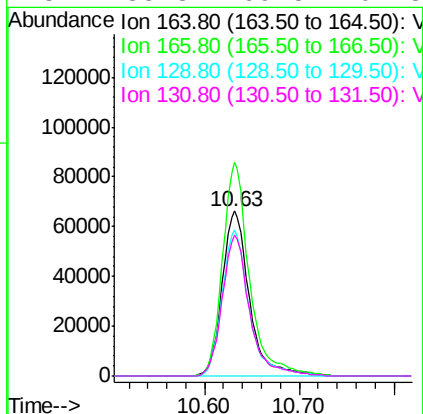
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.422 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.2	153.4
129	88.4	72.6	109.0
131	85.3	69.5	104.3





#65

Chlorobenzene

Concen: 20.262 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion:112 Resp: 342105

Ion Ratio Lower Upper

112 100

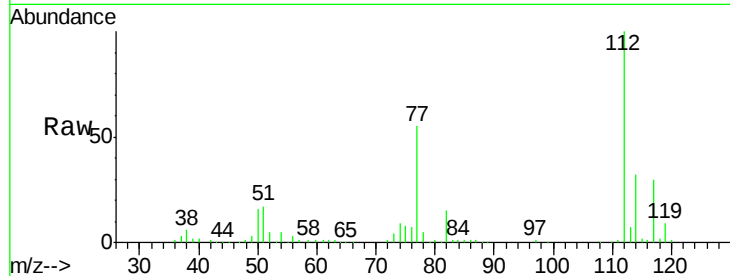
114 32.4 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

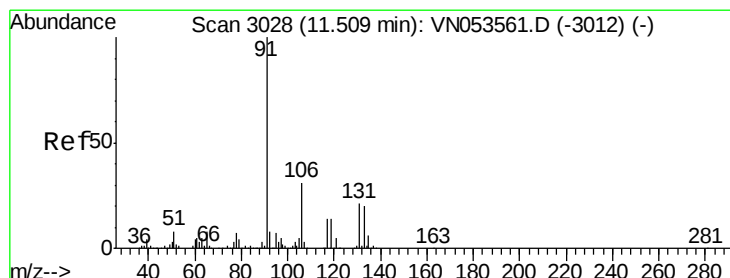
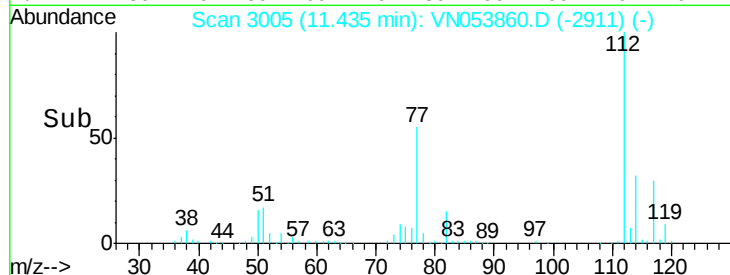
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.065 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

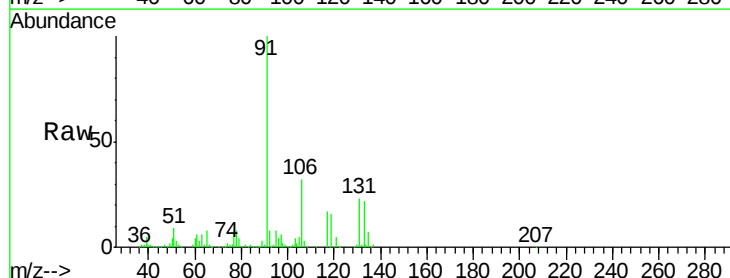
Tgt Ion:131 Resp: 130107

Ion Ratio Lower Upper

131 100

133 96.2 48.0 144.0

119 67.7 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

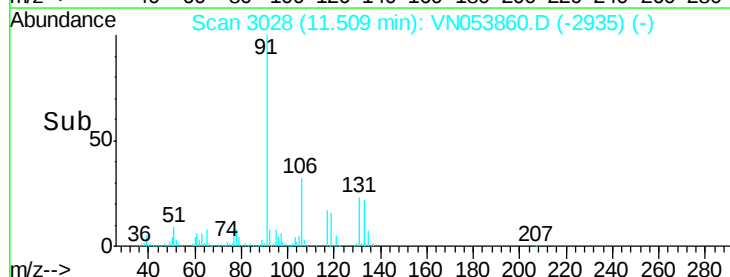
150000

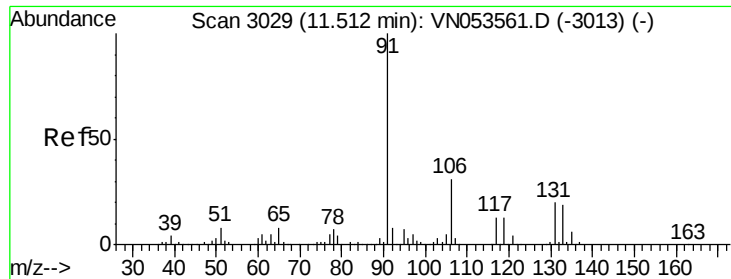
100000

50000

0

Time-->





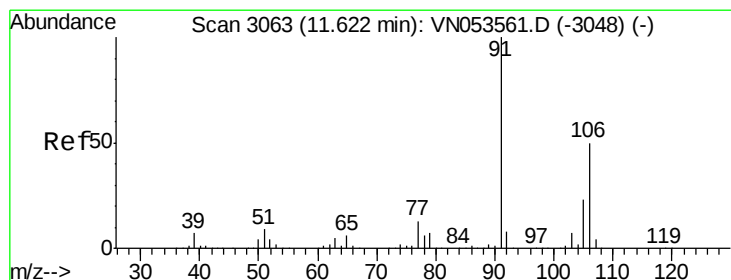
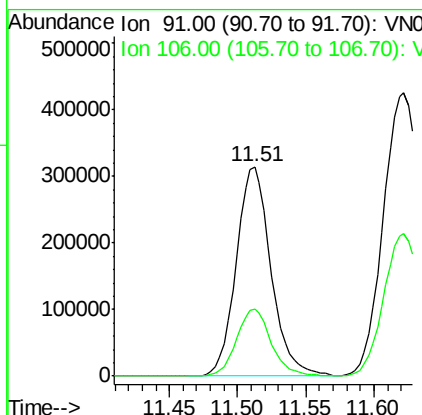
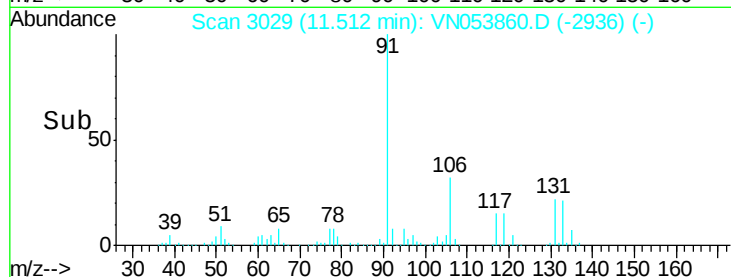
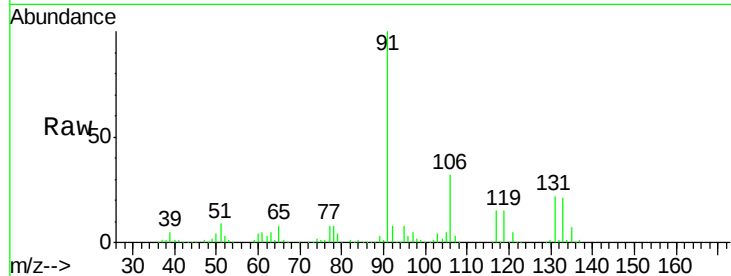
#67
Ethyl Benzene
Concen: 20.054 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 91 Resp: 556191
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

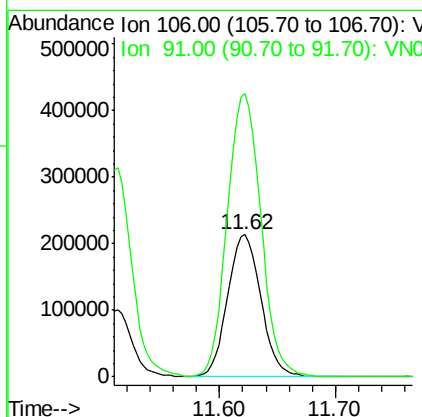
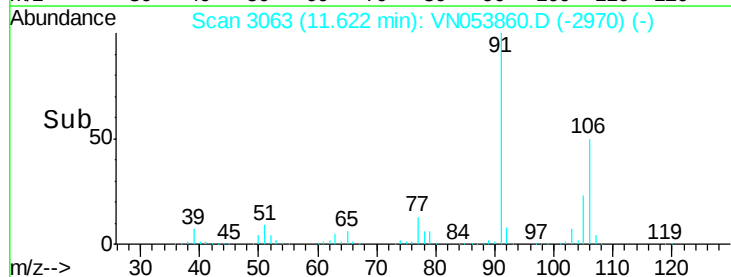
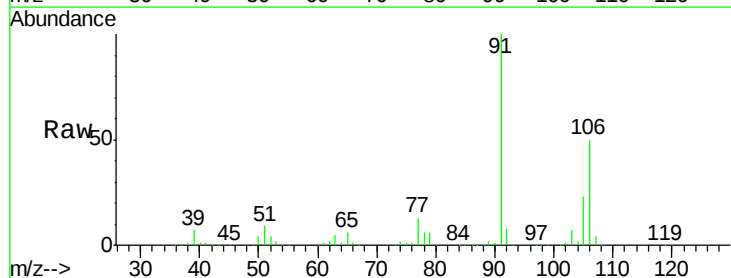
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.130 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 106 Resp: 424797
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2





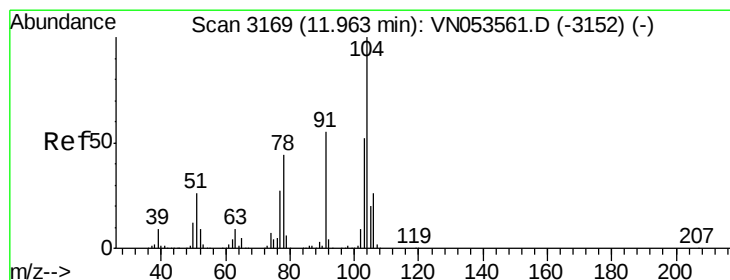
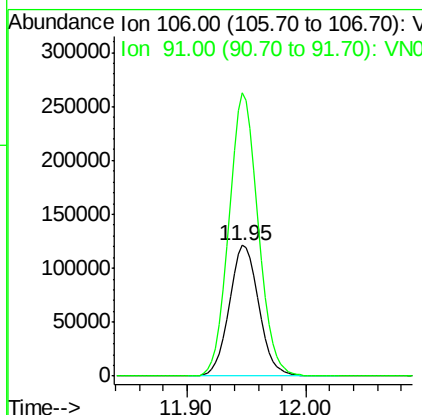
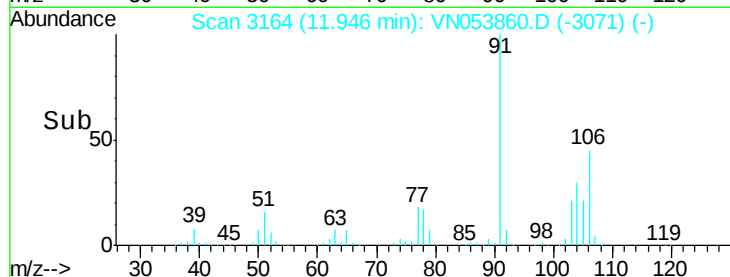
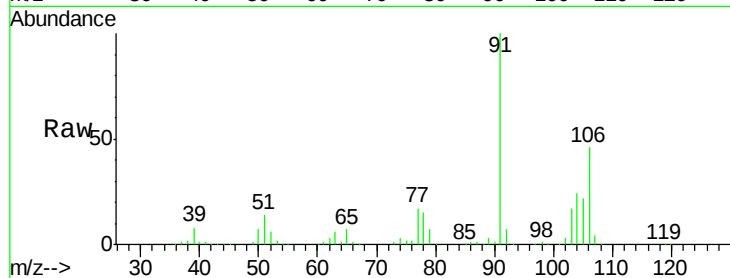
#69
o-Xylene
Concen: 20.349 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	106.9	320.8

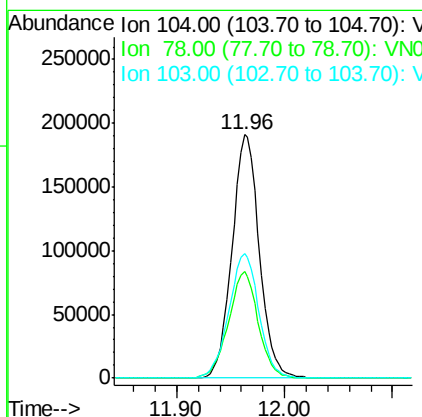
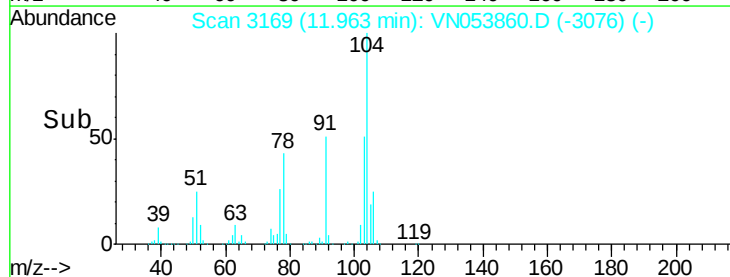
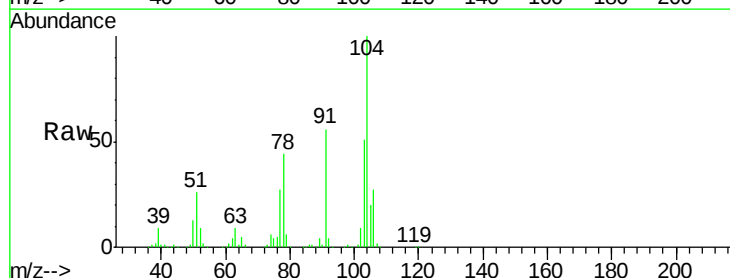
Manual Integrations
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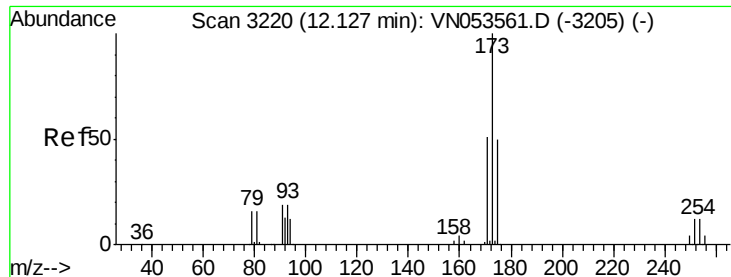
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#70
Styrene
Concen: 20.398 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.2	57.2
103	56.0	44.4	66.6





#71

Bromoform

Concen: 22.790 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

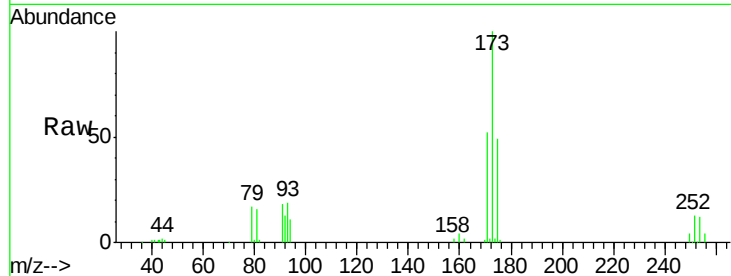
ClientSampleId :

VN0219WBSD01

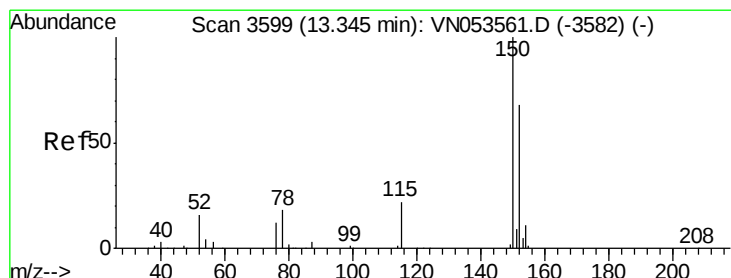
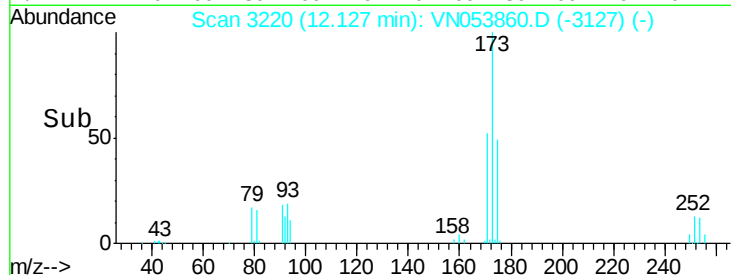
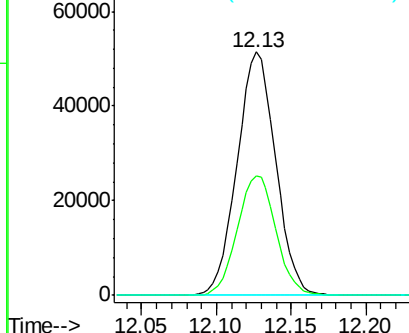
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.0	0.2	0.2

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: 13.34 min Scan# 3598

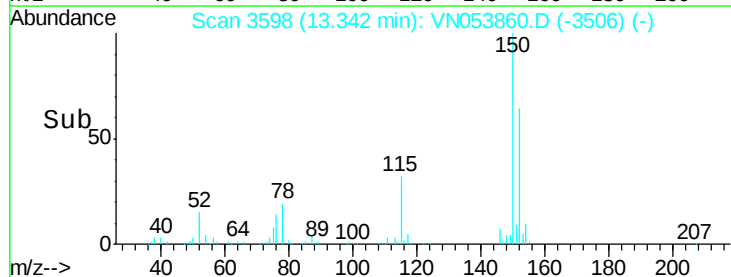
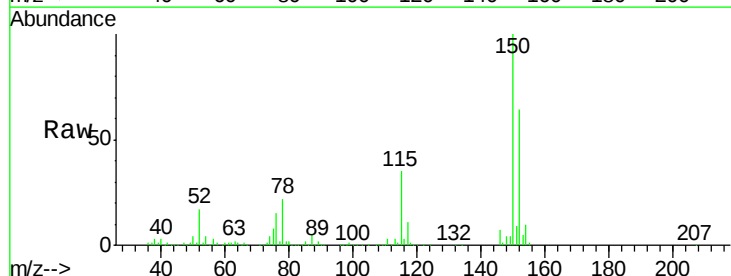
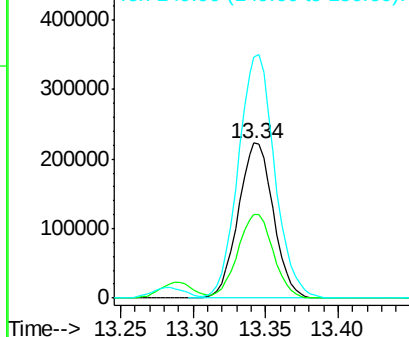
Delta R.T. -0.00 min

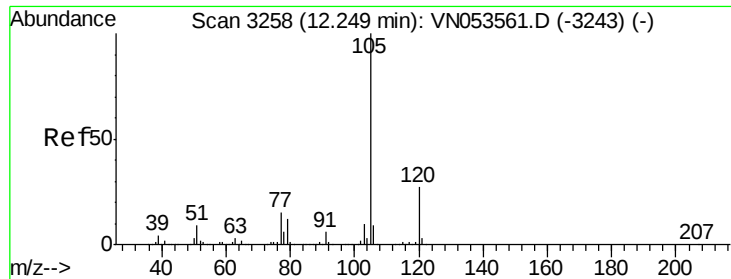
Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.4
150	163.3	0.0	349.0

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: 21.559 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 105 Resp: 566812

Ion Ratio Lower Upper

105 100

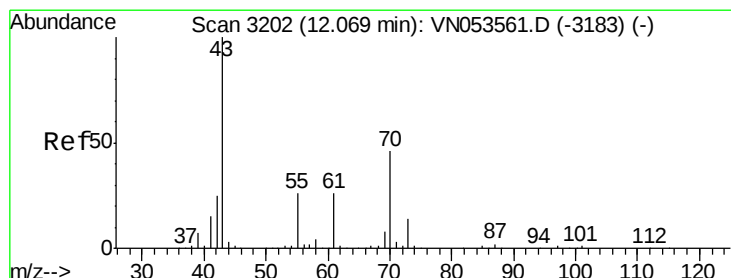
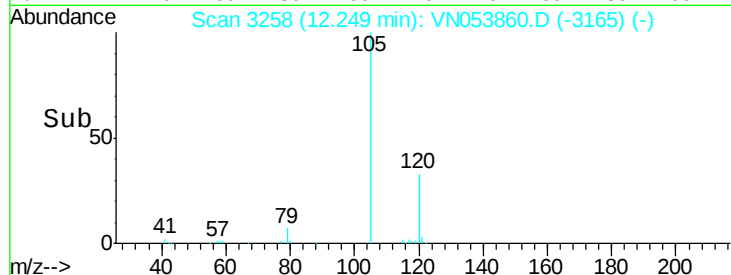
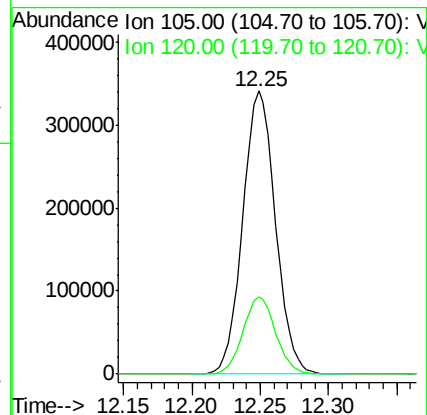
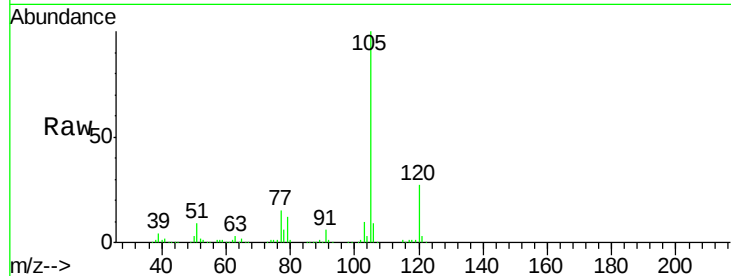
120 27.3 13.6 40.7

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#74

N-ethyl acetate

Concen: 20.106 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion: 43 Resp: 127115

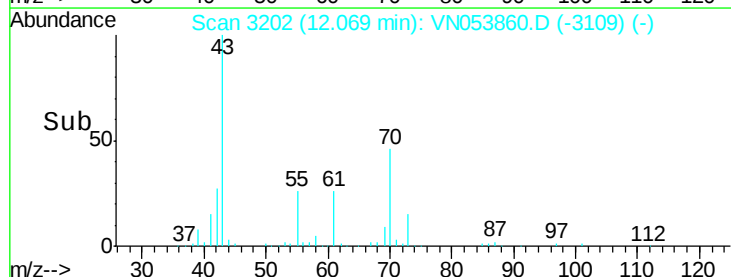
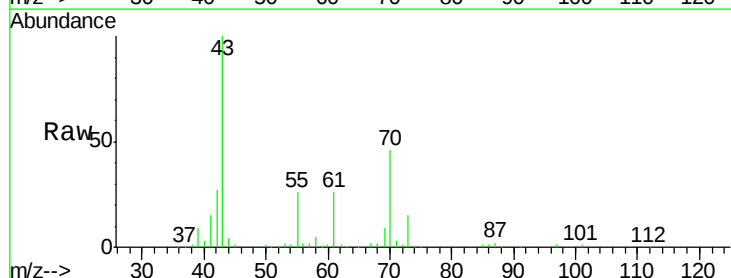
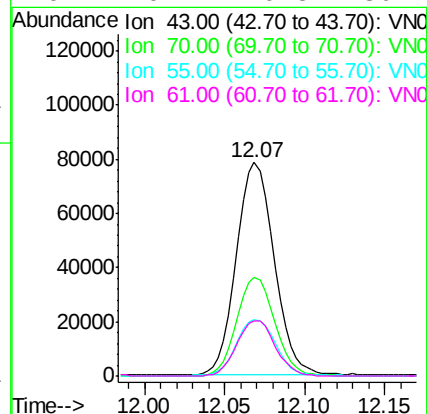
Ion Ratio Lower Upper

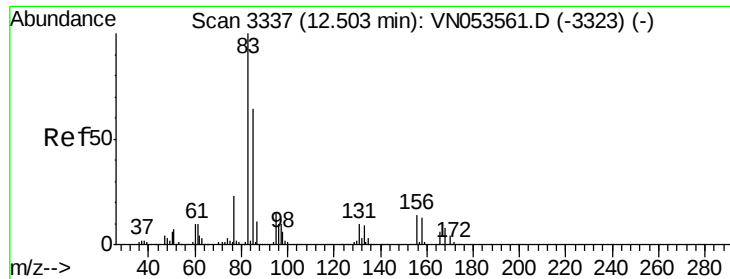
43 100

70 46.4 35.4 53.2

55 27.6 20.9 31.3

61 26.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.690 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 83 Resp: 136477

Ion Ratio Lower Upper

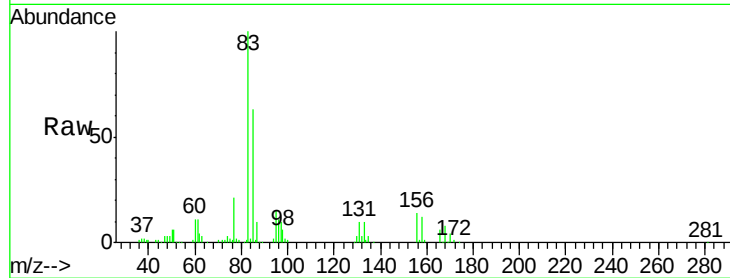
83 100

131 10.1 5.3 15.8

85 64.0 32.1 96.3

Manual Integrations
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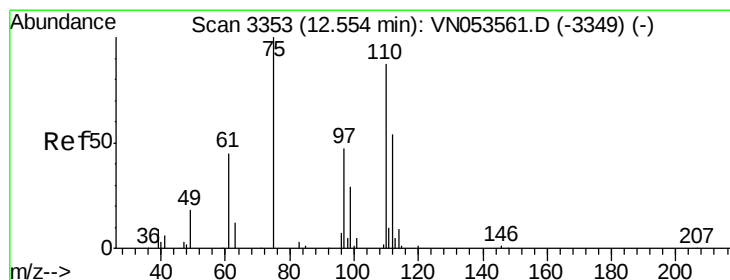
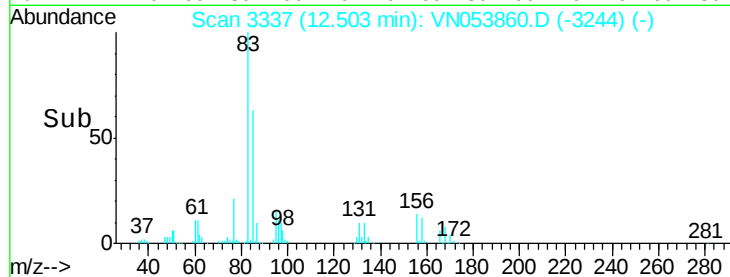
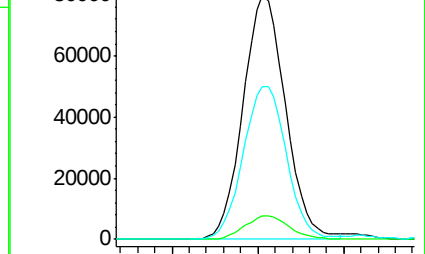
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.602 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053860.D

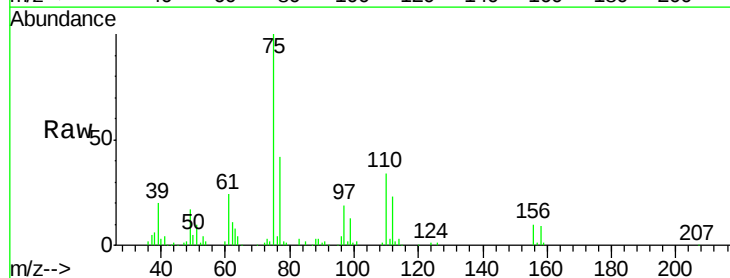
Acq: 19 Feb 2019 11:07

Tgt Ion: 75 Resp: 137397

Ion Ratio Lower Upper

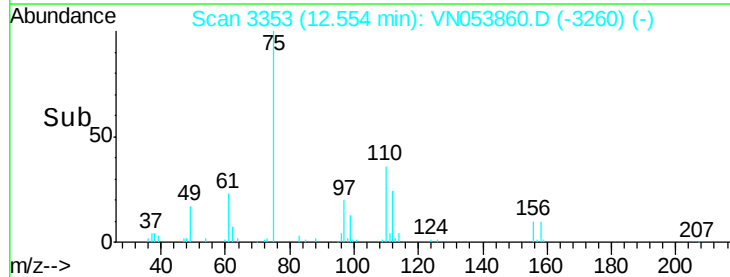
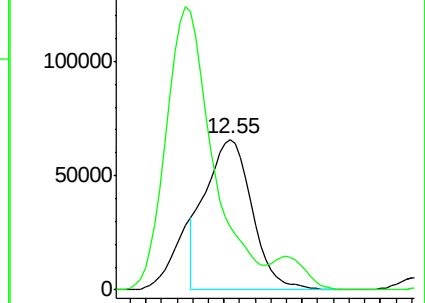
75 100

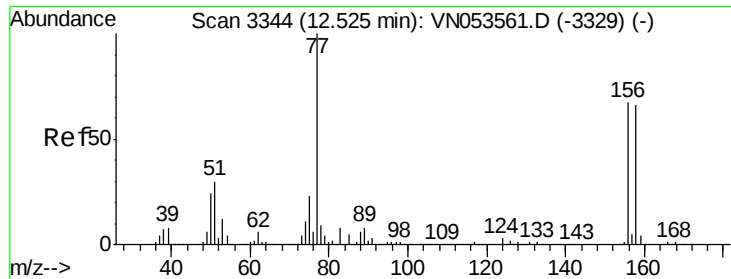
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.876 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

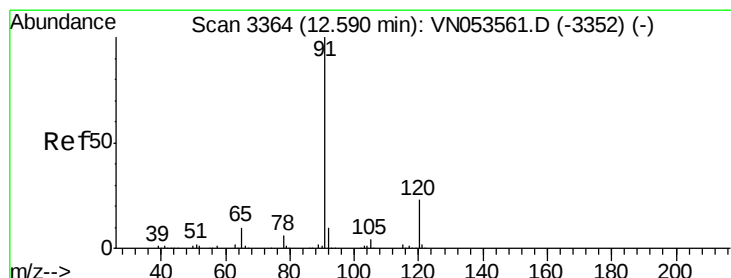
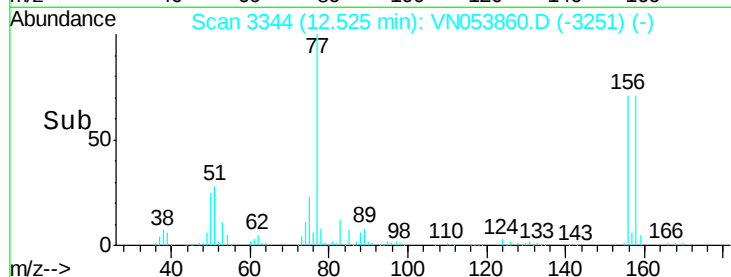
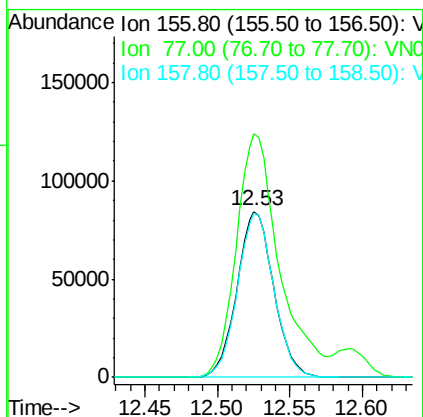
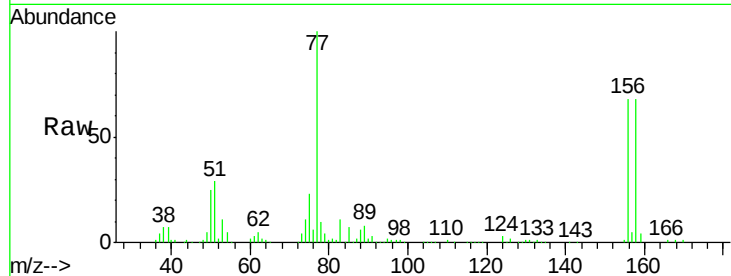
ClientSampleId :

VN0219WBSD01

Tot Ion:	156	Resp:	147923
Ion Ratio	Lower	Upper	
156	100		
77	173.2	87.9	263.8
158	98.3	48.8	146.4

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#78

n-propylbenzene

Concen: 20.767 ug/l

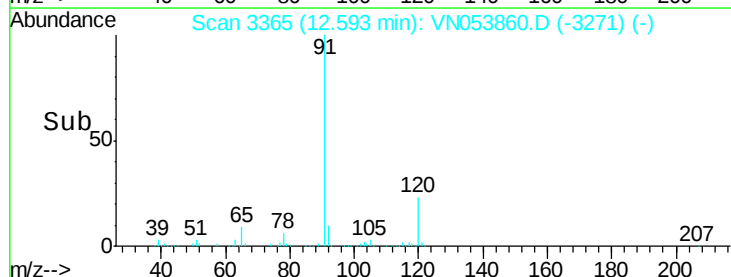
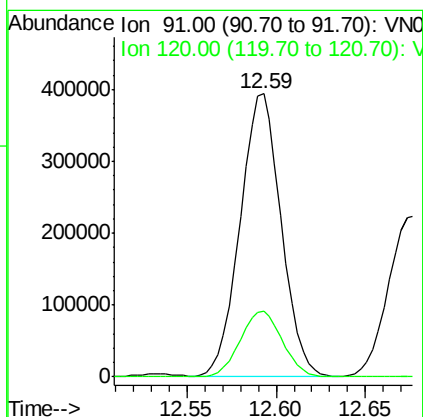
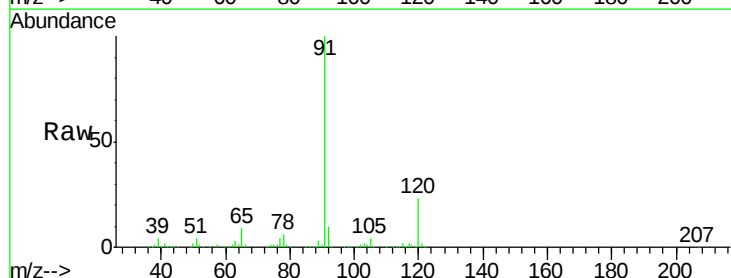
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	91	Resp:	631186
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.896 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 91 Resp: 376796

Ion Ratio Lower Upper

91 100

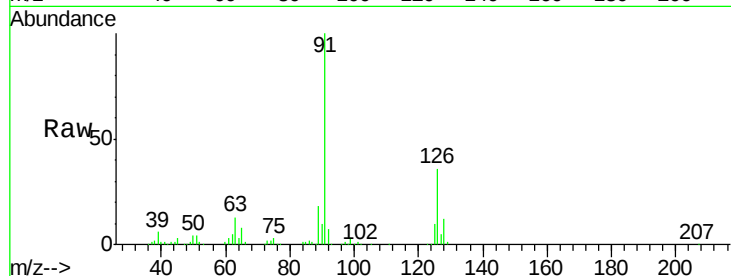
126 36.3 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)

300000

200000

100000

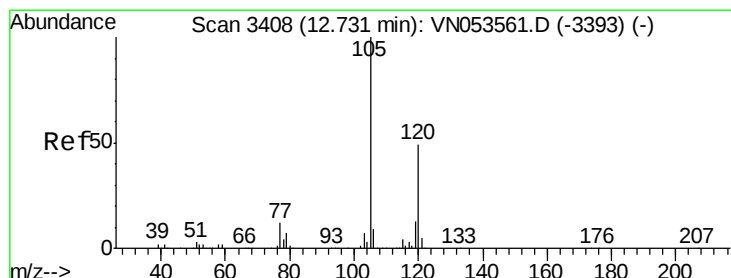
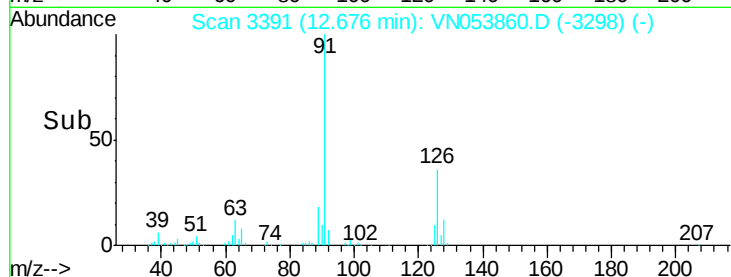
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.591 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053860.D

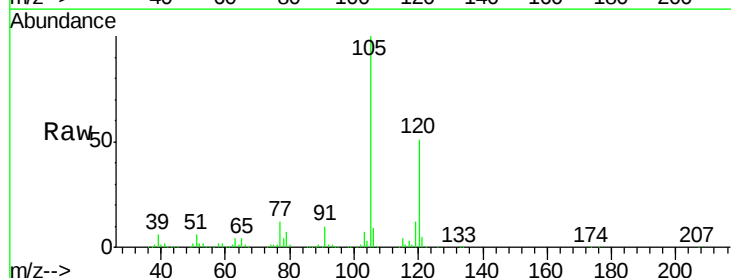
Acq: 19 Feb 2019 11:07

Tgt Ion: 105 Resp: 470717

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

300000

200000

100000

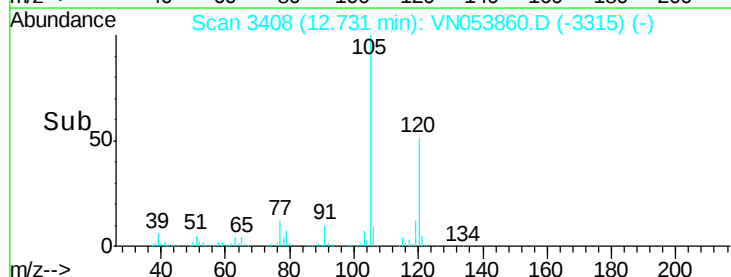
0

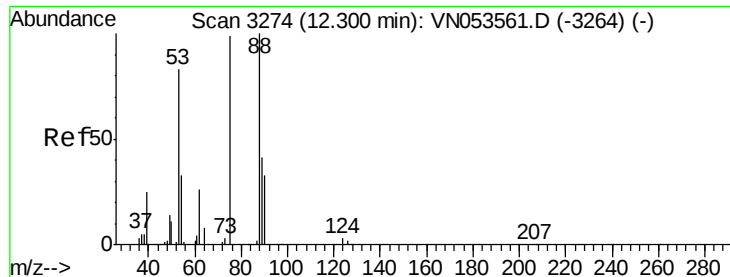
12.73

12.70

12.80

Time-->





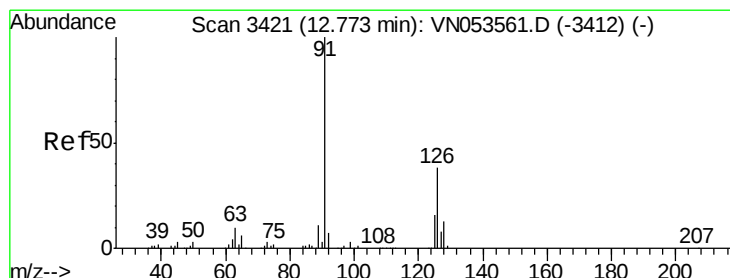
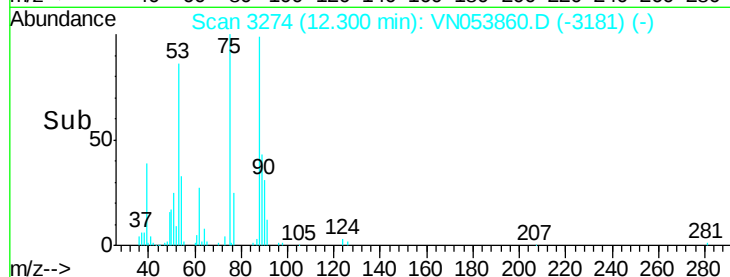
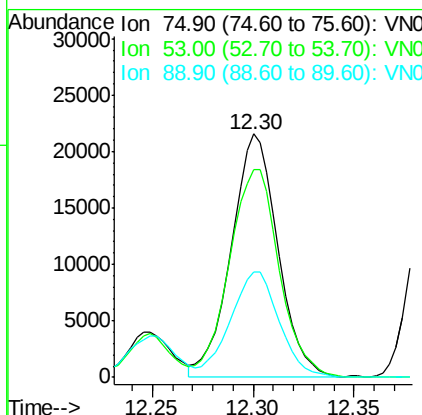
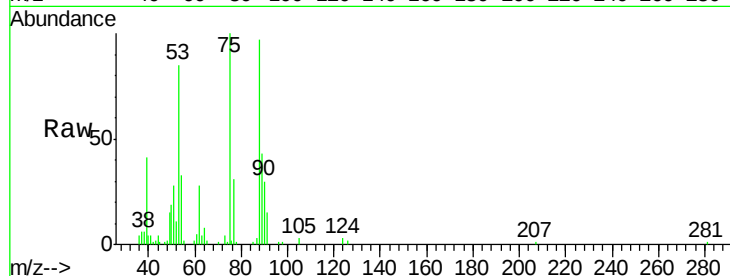
#81
trans-1,4-Dichloro-2-butene
Concen: 20.379 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	69.8	104.6
89	45.4	35.6	53.4

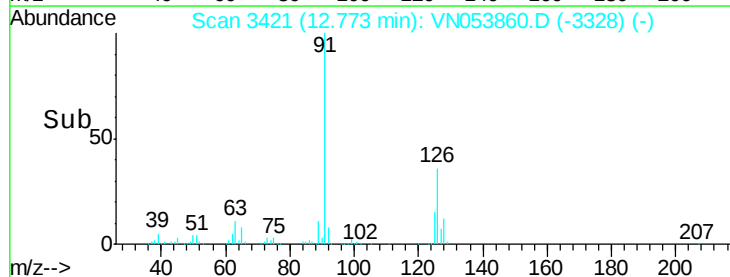
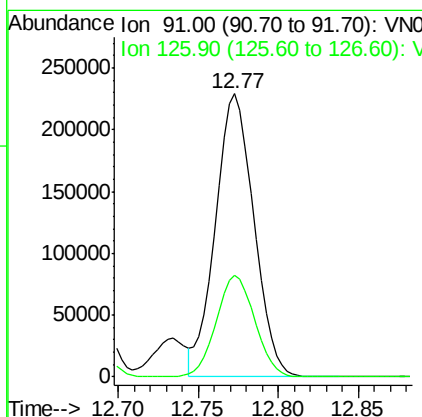
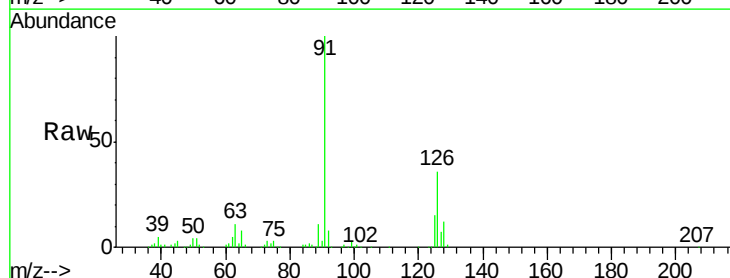
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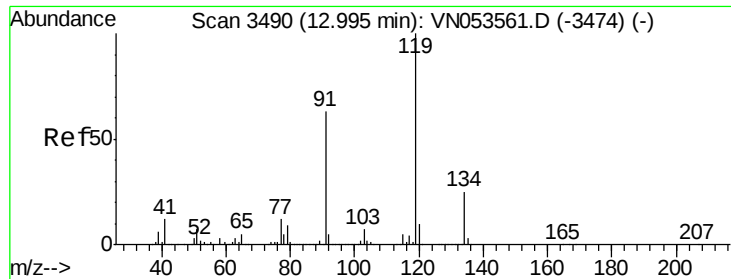
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#82
4-Chlorotoluene
Concen: 20.368 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.9





#83

tert-Butylbenzene

Concen: 21.933 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

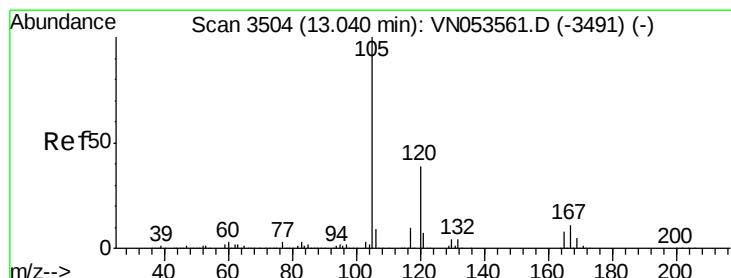
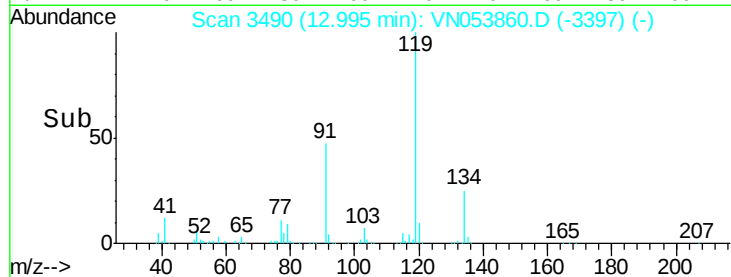
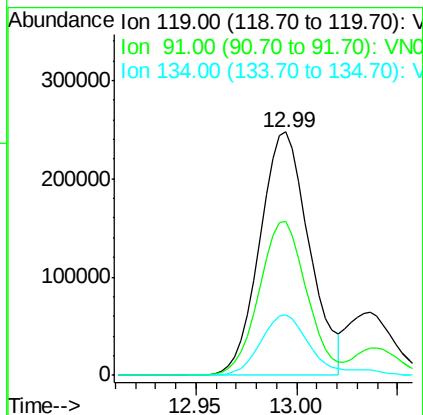
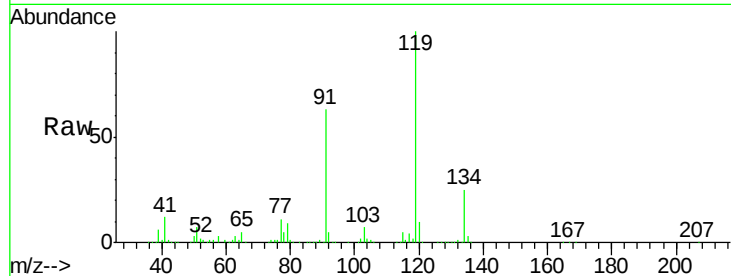
ClientSampleId :

VN0219WBSD01

Tot Ion:	119	Resp:	422619
Ion Ratio	Lower	Upper	
119	100		
91	61.5	31.3	93.8
134	25.6	12.9	38.7

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#84

1,2,4-Trimethylbenzene

Concen: 21.133 ug/l

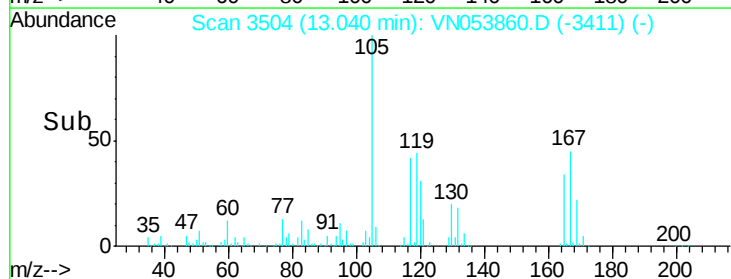
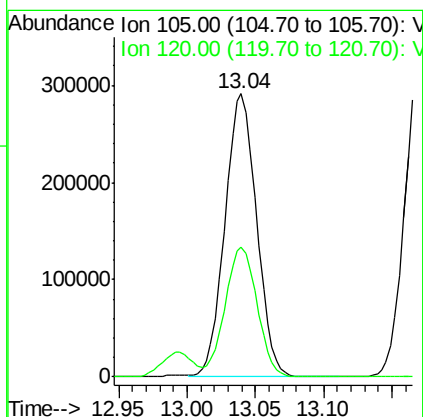
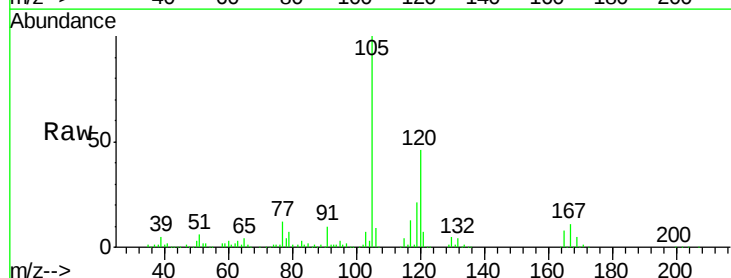
RT: 13.04 min Scan# 3504

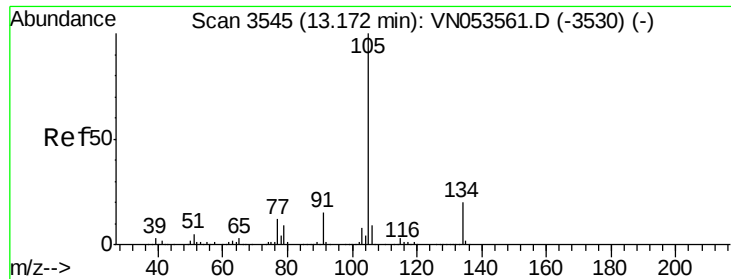
Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	105	Resp:	469410
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 21.324 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion:105 Resp: 559134

Ion Ratio Lower Upper

105 100

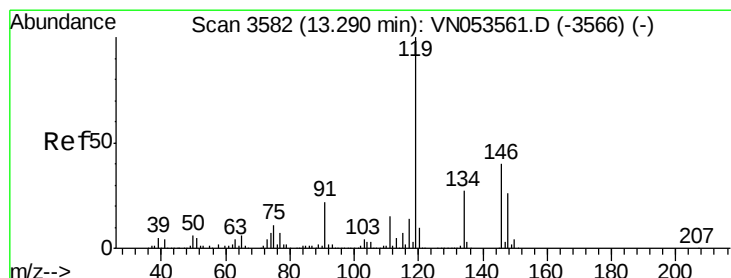
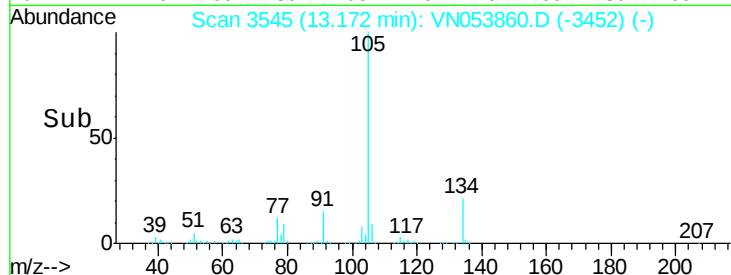
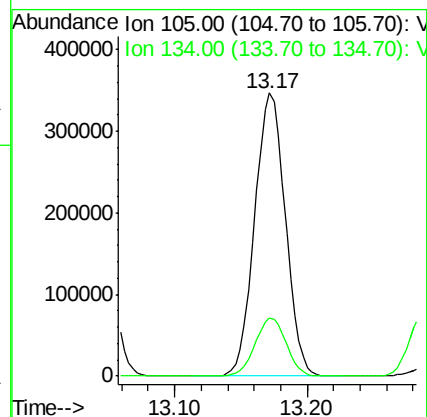
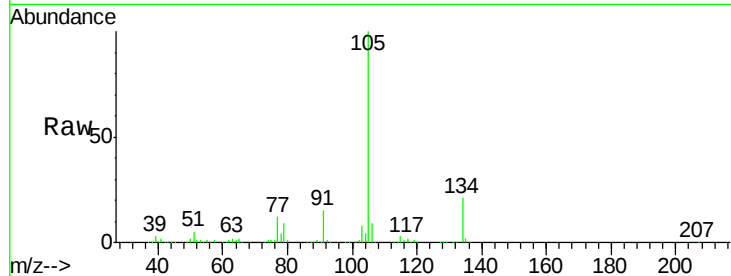
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.885 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

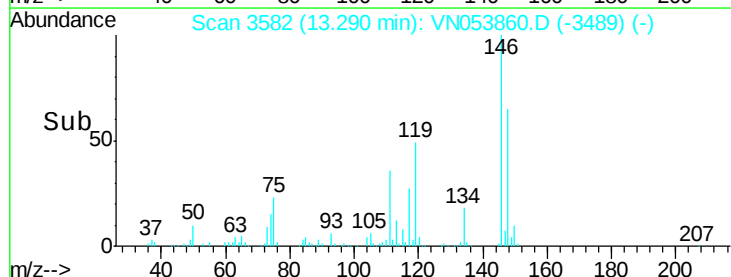
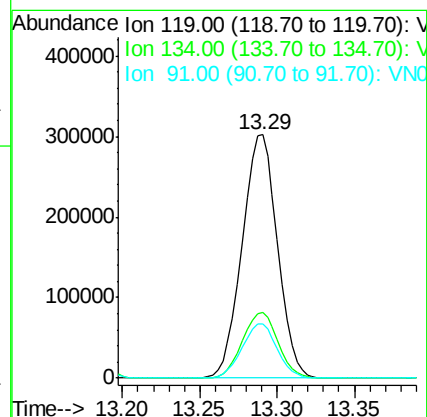
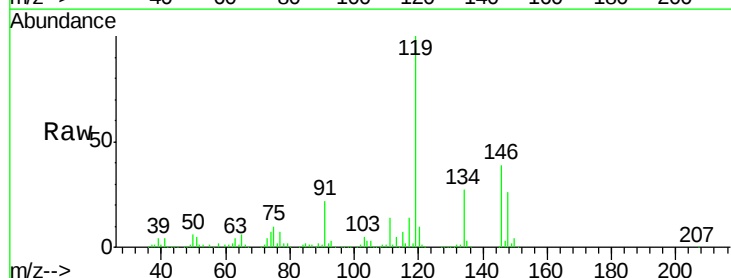
Tgt Ion:119 Resp: 478955

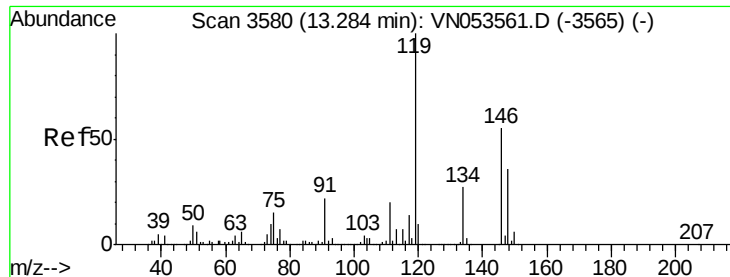
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 22.0 11.0 33.0





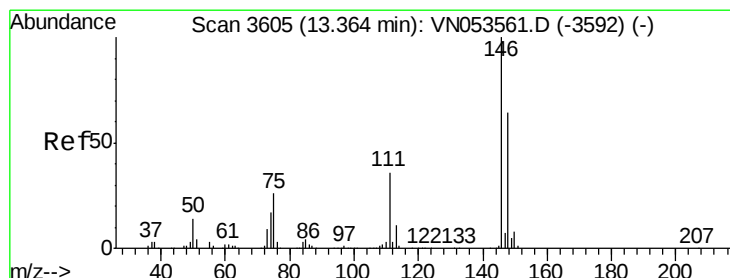
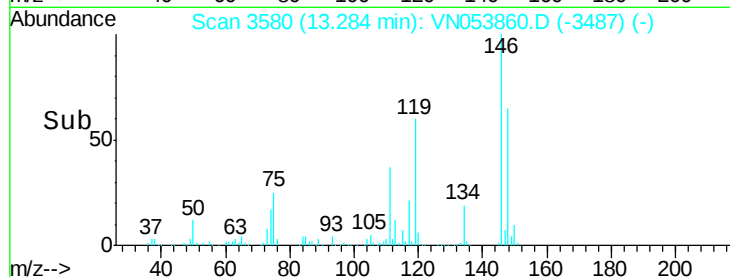
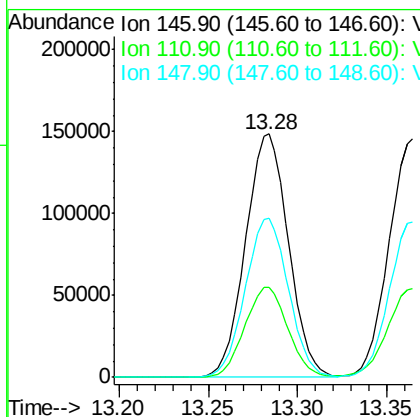
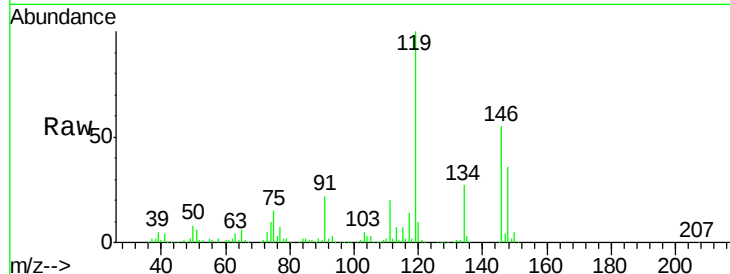
#87
 1,3-Dichlorobenzene
 Concen: 19.644 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	250222		
111	37.1	18.8	56.3	
148	65.7	32.0	96.2	

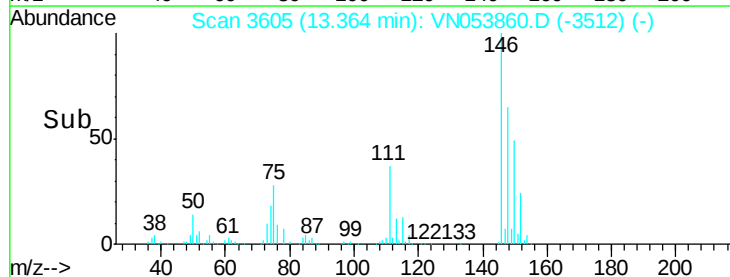
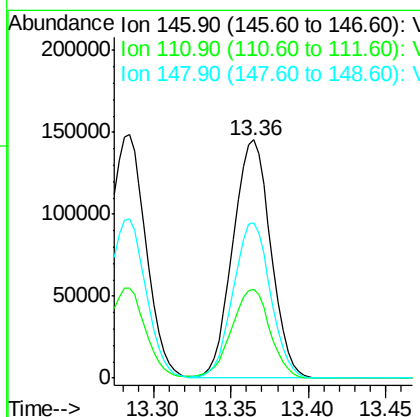
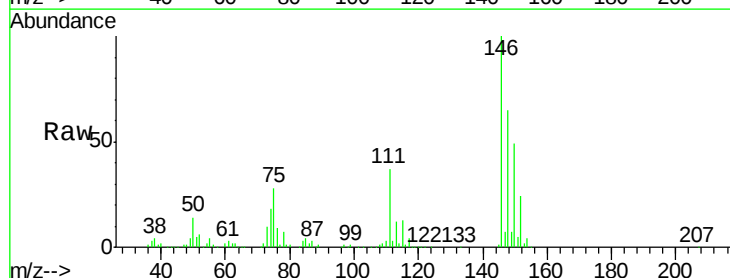
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#88
 1,4-Dichlorobenzene
 Concen: 19.608 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	247055		
111	38.1	18.6	55.8	
148	64.4	32.4	97.0	





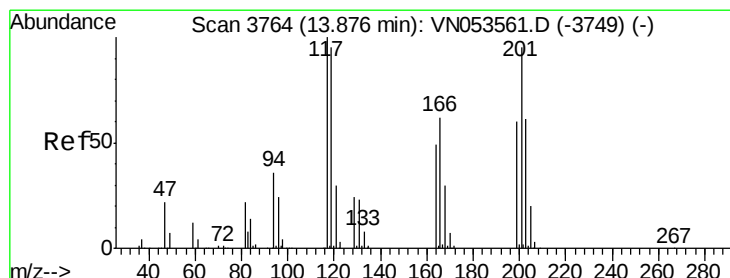
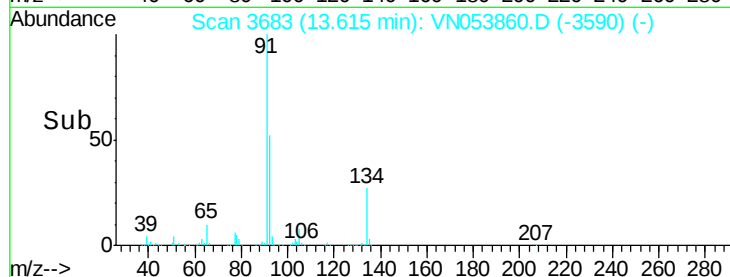
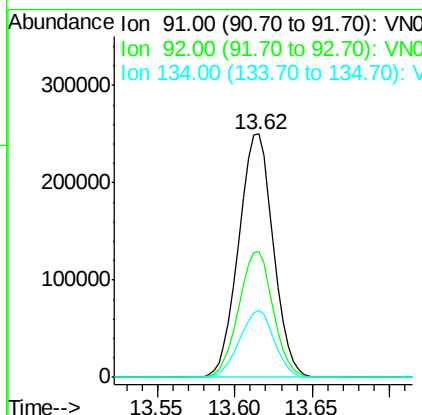
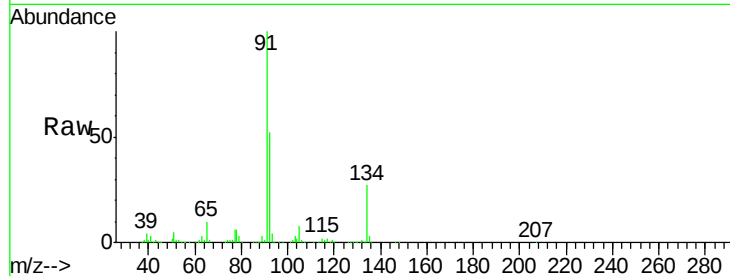
#89
n-Butylbenzene
Concen: 19.623 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.8
134	27.6	13.5	40.5

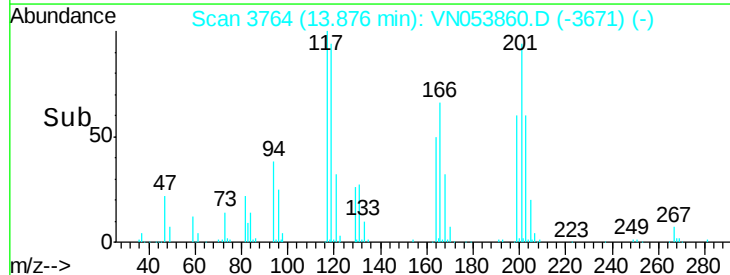
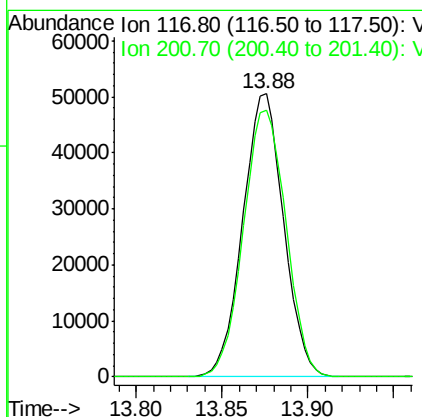
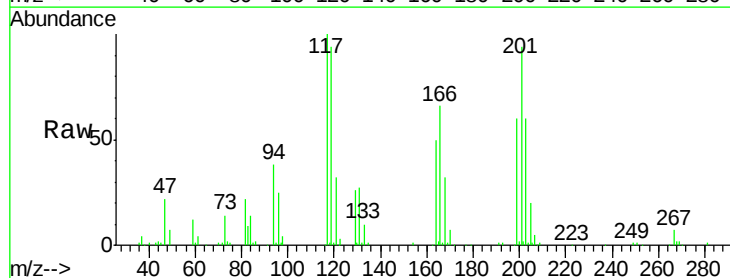
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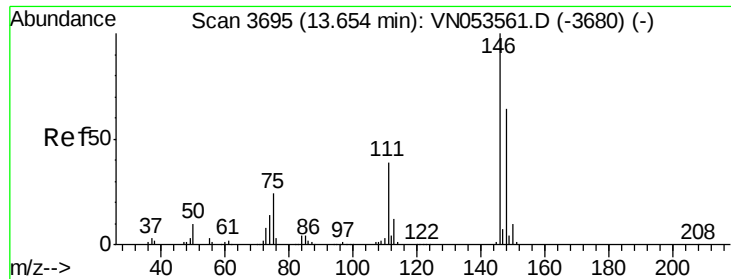
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#90
Hexachloroethane
Concen: 22.070 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.2	46.8	140.4





#91

1,2-Dichlorobenzene

Concen: 20.444 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

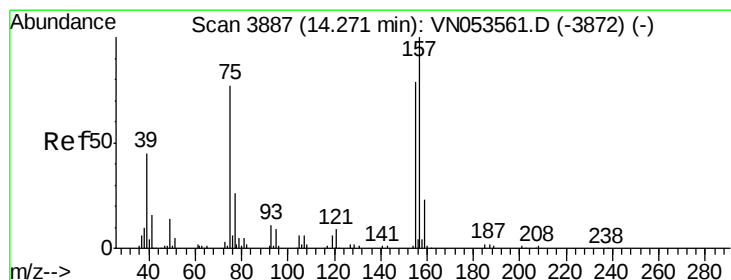
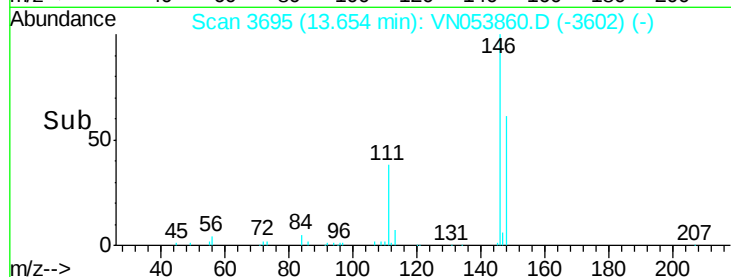
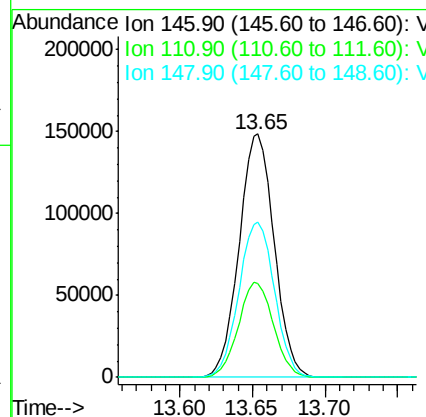
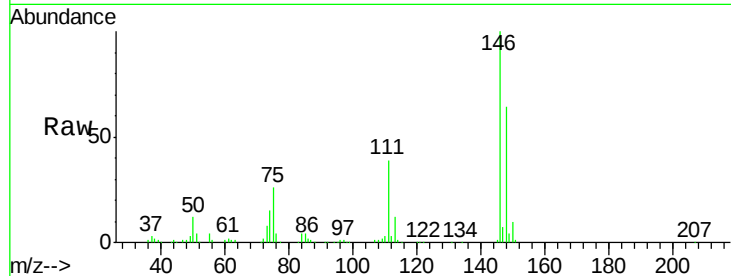
ClientSampleId :

VN0219WBSD01

Tot Ion:	146	Resp:	249300
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.5	58.5
148	64.7	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.327 ug/l

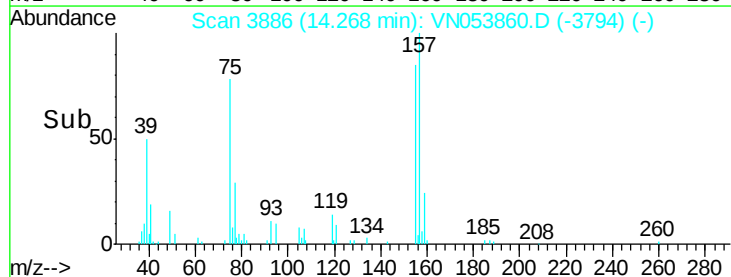
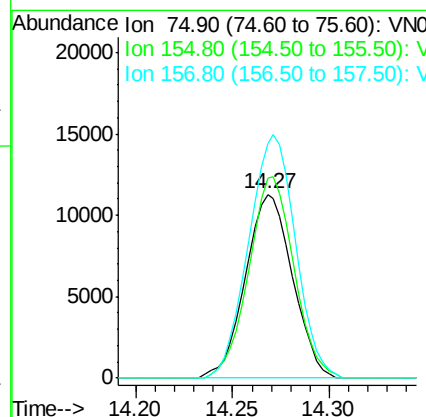
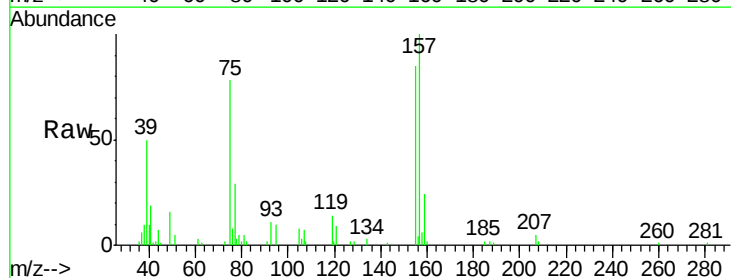
RT: 14.27 min Scan# 3886

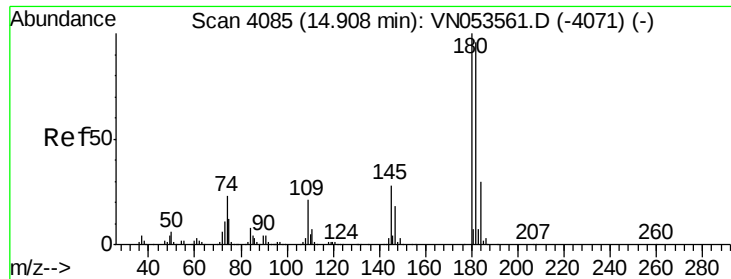
Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	75	Resp:	19125
Ion Ratio	Lower	Upper	
75	100		
155	105.2	48.9	146.7
157	131.6	63.7	191.3





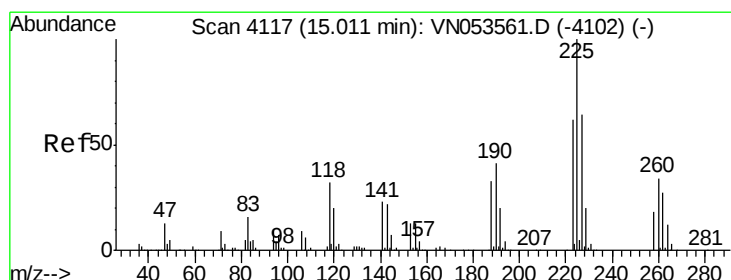
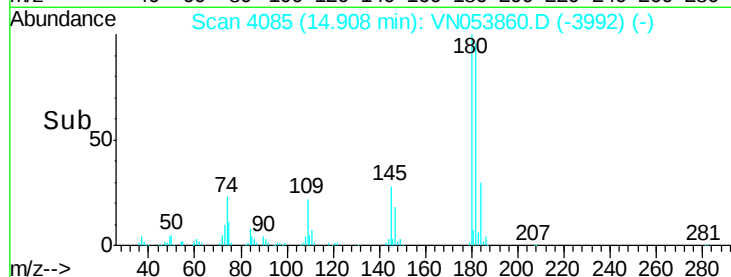
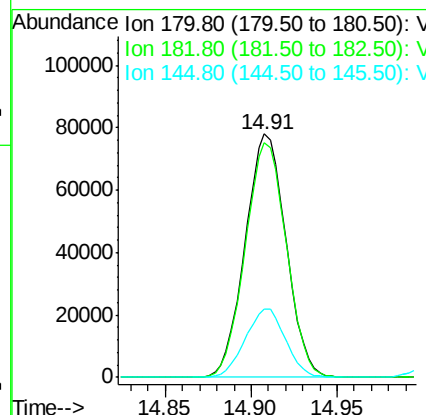
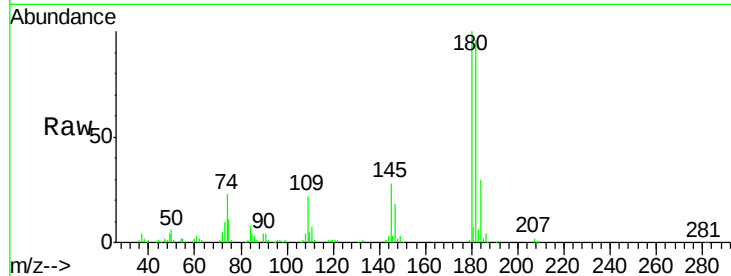
#93
 1,2,4-Trichlorobenzene
 Concen: 18.335 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128229		
182	97.0	48.1	144.3	
145	27.7	13.9	41.6	

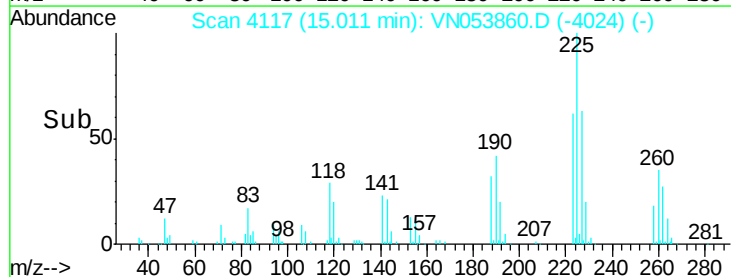
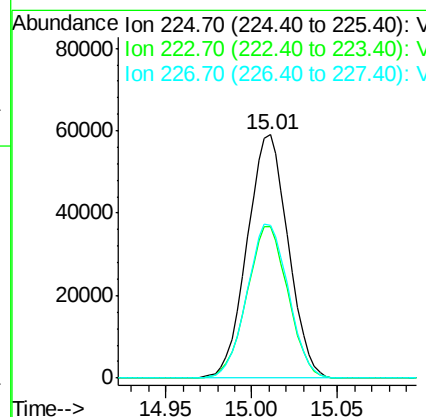
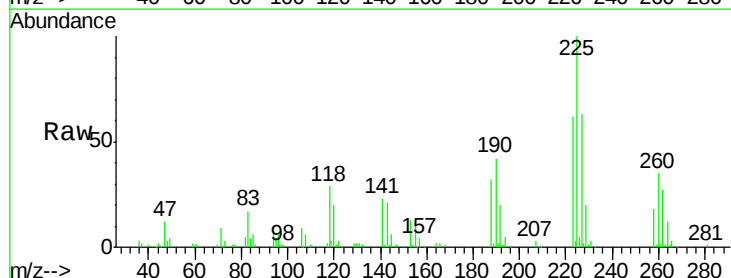
Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:14:58 AM



#94
 Hexachlorobutadiene
 Concen: 22.444 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97753		
223	62.3	31.1	93.2	
227	63.8	32.0	96.2	





#95

Naphthalene

Concen: 16.335 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

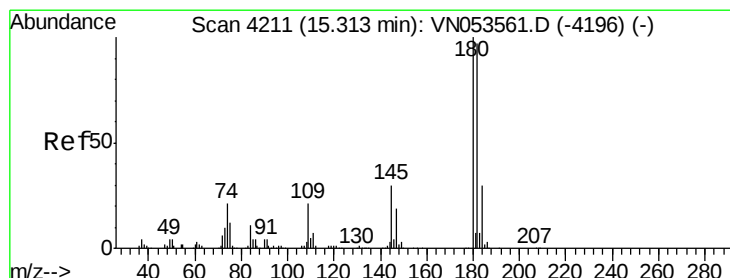
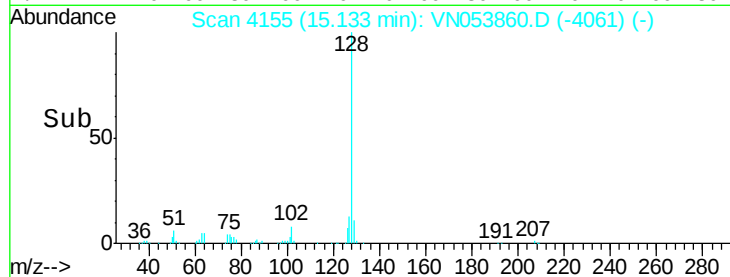
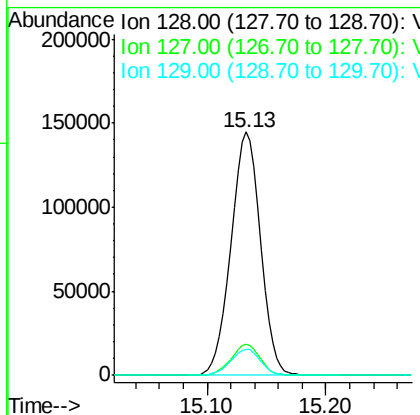
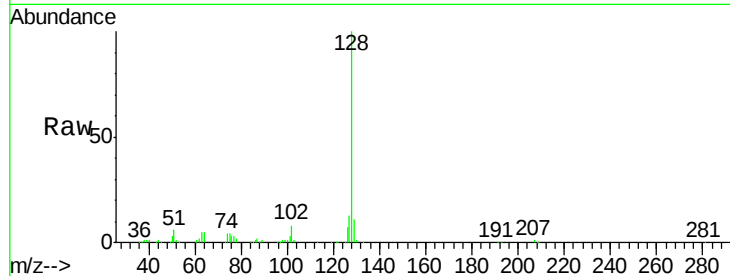
ClientSampleId :

VN0219WBSD01

Tot Ion:	128	Resp:	248478
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:14:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.775 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion:	180	Resp:	128326
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.8
145	30.0	14.7	44.1

